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Directional Stability Tests Of Two Prismatic Planing Hulls

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16. Abstract

The first of four reports on research designed to obtain basic hydrodynamic information about planing hulls through the use of captive model tests. The information is to be used for the general study of dynamic stability while underway, course keeping, turning and maneuvering, etc. The models tested were of idealized patrol boats having an LBP of 100 ft., a beam of 20 ft., and a displacement of 100 long tons. The models had prismatic hull forms with 10, 20 and 30 degrees of deadrise.

The report presents the results of tests on the 10 and 20 degree of deadrise hulls. Most of the data is for unappended hulls. Straight course and rotating arm tests were conducted at three speeds [Cv = 1.5, 3.0, and 4.0] three angular velocities [L/R = 0, 0.117, and 0.234] and a single beam loading [C_{Δ} = 0.4375]. The tests covered the following angular parameter ranges. Trim: -2 to 6 degrees, roll: -10 to 20 degrees, and yaw: -15 to 15 degrees. Twin rudders were fitted during the straight course tests at zero roll and yaw angles, and the effect of rudder deflection from -20 to 20 degrees investigated. Measurements were made of the drag and side forces, and the roll, pitch, and yaw moments. Draft was recorded. Underwater photographs were taken, and the wetted lengths and areas determined from these photographs. Video recordings were made of all runs. The data are presented in extensvie tables, in wind axes and body axes, and in both dimensional and non-dimensional form.

17. Key Words

planing boats
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turning tests
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maneuvering

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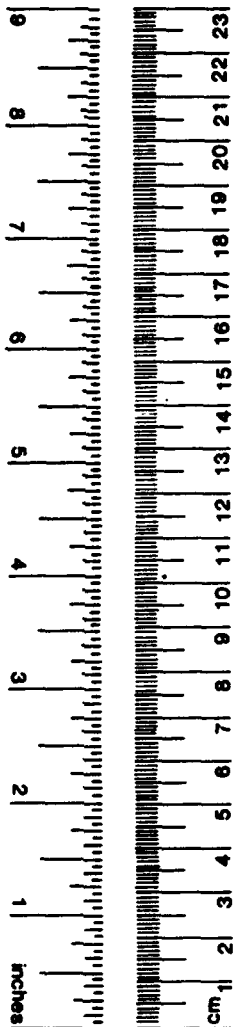
METRIC CONVERSION FACTORS

Approximate Conversions to Metric Measures

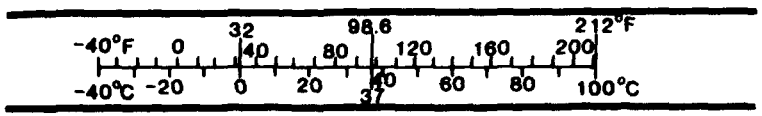
Symbol	When You Know	Multiply By	To Find	Symbol
		LENGTH		
in	inches	* 2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
		AREA		
in^2	square inches	6.5	square centimeters	cm^2
ft^2	square feet	0.09	square meters	m^2
yd^2	square yards	0.8	square meters	m^2
mi^2	square miles	2.6	square kilometers	km^2
	acres	0.4	hectares	ha
		MASS (WEIGHT)		
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
		VOLUME		
tsp	teaspoons	5	milliliters	ml
tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft^3	cubic feet	0.03	cubic meters	m^3
yd^3	cubic yards	0.76	cubic meters	m^3
		TEMPERATURE (EXACT)		
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

*1 in = 2.54 (exactly).



Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply By	To Find	Symbol
		LENGTH		
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
m	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
		AREA		
cm^2	square centimeters	0.16	square inches	in^2
m^2	square meters	1.2	square yards	yd^2
km^2	square kilometers	0.4	square miles	mi^2
ha	hectares (10,000 m^2)	2.5	acres	
		MASS (WEIGHT)		
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	
		VOLUME		
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	0.125	cups	c
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m^3	cubic meters	35	cubic feet	ft^3
m^3	cubic meters	1.3	cubic yards	yd^3
		TEMPERATURE (EXACT)		
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



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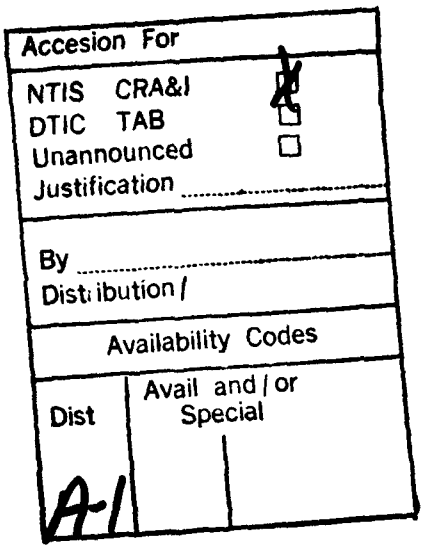


NOMENCLATURE

b	beam at chine, ft
CG	center of gravity
Cv	velocity coefficient, $V/\sqrt{(gb)}$
g	acceleration due to gravity, 32.17 fps^2
K	roll moment, lb-ft, see Appendix C
L	length between perpendiculars, ft
Lc	chine wetted length, inches
Lk	keel wetted length, inches
M	pitch moment, lb-ft, see Appendix C
N	yaw moment, lb-ft, see Appendix C
L/b	length-beam ratio
LBP	length between perpendiculars, ft
r'	non-dimensional angular turn rate, L/R
q	dynamic pressure, $\frac{1}{2}\rho V^2$
R	radius of turn of tow point, ft
R	resistance or drag, lb
SKWL	static keel wetted length, ft, see page 10
TD	transom draft, depth of keel at transom below still water level, ft
V	resultant linear velocity, fps
w	specific weight of water, 62.28 lb/cu.ft fresh water at 71.5°F
X	longitudinal force, lb, see Appendix C
Y	lateral force, lb, see Appendix C
Z	vertical force, lb, see Appendix C
β	deadrise angle, degrees
Δ	displacement, lb
δ	rudder deflection, degrees
ϕ	roll angle, degrees, see Appendix C
θ	trim angle, degrees, see Appendix C
ψ	yaw angle, degrees, see Appendix C
ρ	density of water, w/g, 1.9359 slugs/cu.ft at 71.5°F

NACA Planing Coefficients

C_Δ	beam loading coefficient, Δ/wb^3
C_K	roll moment coefficient, K/wb^4
C_M	pitch moment coefficient, M/wb^4
C_N	yaw moment coefficient, N/wb^4
C_V	speed coefficient, $V/\sqrt{(gb)}$
C_R	resistance coefficient, R/wb^3
C_X	longitudinal force coefficient, X/wb^3
C_Y	lateral force coefficient, Y/wb^3
C_Z	vertical force coefficient, Z/wb^3

Non-dimensional quantities

Forces	Moments
$X' = X/qb^2 = 2\ C_X/C_V^2$	$K' = K/qb^3 = 2\ C_K/C_V^2$
$Y' = Y/qb^2 = 2\ C_Y/C_V^2$	$M' = M/qb^3 = 2\ C_M/C_V^2$
$Z' = Z/qb^2 = 2\ C_Z/C_V^2$	$N' = N/qb^3 = 2\ C_N/C_V^2$

Sign Convention

The sign conventions are discussed in Appendix C and vary with the axes system being used. The sense of some quantities that in this report are invariant under the various transformations are summarized here.

The trim is positive in the bow up sense and is zero when the afterbody keel is horizontal.

The roll is positive in the starboard side down sense and is zero when the craft is upright.

The yaw is positive in the bow to starboard sense and is zero when the longitudinal axis of the boat is aligned with the resultant velocity.

The rudder deflection is positive in the clockwise sense when viewed from above looking along the rudder stock and is zero when the rudder is aligned with the longitudinal axis of the hull.

The heave is the height of the tow point above the still water surface, is positive vertically upward, and is zero when the tow point is at the still water level.

The transom draft (TD) is the depth of the keel at transom below the still water surface, is positive vertically downward, and is zero when the keel at transom is at the still water level.

The resultant velocity is a horizontal vector, positive forward in the stern-to-bow sense, and is zero when the boat is at rest.

Terminology

Wetted area

The wetted area is the principal wetted area of the bottom. The principal wetted area of a planing craft is the pressure surface of the bottom including the area aft of the spray root, between the chines and forward of the transom. It does not include the area covered by the spray sheet nor the side wetting.

The term *wetted* area is used to emphasize that it is the actual wetted area and not a projected area.

Longitudinal and lateral forces

The longitudinal and lateral forces are defined in Appendix C. Generally these forces are horizontal vectors fixed in the craft. The longitudinal force is parallel to the longitudinal axis of the craft and is positive aft. The lateral force is perpendicular to the longitudinal force and is positive to starboard.

Drag and side-force

The drag and side force are horizontal vectors oriented with respect to the resultant velocity. The drag, which is synonymous with resistance, is a force vector parallel and opposite to the resultant velocity. The side-force acts at right angles to the velocity and is positive to starboard.

INTRODUCTION

The Davidson Laboratory is conducting a series of planing boat studies in support of the U.S. Coast Guard's pursuit of R&D projects which will enable it to evaluate advanced marine vehicles and advanced technologies which enhance the effectiveness of ship resources. The experimental results obtained at the Davidson Laboratory are intended to contribute to a relevant technical base for the evaluation of vessels which are in service and for designs which are being considered for service.

The objective of this research is to obtain basic hydrodynamic information about planing hulls through the use of captive model tests. This information is required for the study of the transverse stability, yaw/roll stability, course keeping, maneuvering and control of planing hulls, and for the study of seakeeping, and the loss of speed in a seaway, of planing hulls. The Coast Guard feels that this information will be of particular value to individuals or institutions that are developing theories or procedures for the numerical determination of the forces and moments exerted on a planing hull that is maneuvering at planing speeds.

The research results presented in this report are concerned with the directional stability characteristics of two prismatic planing hull models having deadrise angles of 10 and 20 degrees. The models are idealizations of patrol boats having a LBP of 100 ft, a beam of 20 ft and a displacement of 100 long tons. The results of captive model tests are reported, including both straight course tests and rotating arm tests. The models were tested over ranges of trim, yaw and roll angles at three speeds and one displacement. The effect of rudders on the straight course characteristics of both models was also investigated. This was done to obtain data to determine if the effective hydrodynamic angle of attack was equal to the geometric angle of attack as determined by kinematics. The effects of propellers was not investigated.

Measured quantities included the drag, side-force, and the roll, pitch and yaw moments. The displacement remained constant on the models, which were free to heave. Underwater photographs were taken of the hulls in each condition for the purpose of determining the wetted lengths and wetted areas of the underside of the planing surfaces.

The data are presented in tabular form in both "wind axes" (see Appendix C) and body axes, and in model scale and non-dimensional units. The

results form a considerable data base of approximately 2,500 data points and therefore because of the mass of data, and funding limitations, there is little graphical presentation or analytical discussion of the results.

MODELS

The model series was designed at the Davidson Laboratory and approved by the Coast Guard. It is intended to provide for variations in deadrise and bow form. The parent of the model series is a 20 degree deadrise prismatic hull with flat sections and a length-beam ratio of 5. The parent model is shown on Figure 1. It is a 1/26.66-scale model representing a boat with a design waterline length of 100 feet displacing 100 long tons. The 10 degree deadrise hull is shown on Figure 2. Hull characteristics are given in Table 1.

The forebody is fair and representative of bow shapes that may be expected to be found on patrol boats in service at this time. The after 50% of the hull is a pure prismatic form of constant deadrise with vertical sides. The intersection of the forebody with the prismatic afterbody is smooth and fair without abrupt changes in curvature at the transition. The transom is a plane surface normal to the keel. The use of flat and ruled surfaces is designed to provide aid to those interested in developing theories or numerical schemes for predicting the forces and moments on a planing hull that is maneuvering at planing speeds.

The models were built of sugar pine with 3/8 inch wall thickness, glued with a powdered resin, water-resistant glue. Templates were made from the lines drawing and used during model construction. They were fitted to the models so that no light showed between the template and the model. The finish of the models included the application of one coat of Watco penetrating waterproof sealer, five coats of Lenmar varnish with catalyzed hardener rubbed down between coats: the first coat being dry-sanded and all subsequent coats wet-sanded. The bottom of the model was given two white spray coats and finally the entire model was wet-sanded.

The bottom of the model was striped to assist in determining the keel and chine wetted lengths from the underwater pictures. Lines were ruled along the keel and chine, and tick marks were placed along these lines at one inch intervals. Every fifth line was connected from chine to chine. At one point the underside of the 20 degree deadrise hull had to be re-finished and

the tick marks were replaced at 0.1 beam intervals, to facilitate reading non-dimensional wetted lengths. This applies to the underwater pictures of the 20 degree hull on straight course and at the 16 ft radius. Caution should therefore be used in reading the wetted lengths from the underwater pictures of the 20 degree deadrise hull.

Spray strips were fitted at the model chines running forward from Station 5 to the stem. Tests of the models without spray strips, at zero trim and finite yaw, generated sheets of green water which inundated the model and apparatus, and often tended to sink the model. In order to ensure clean separation of the water from the chine, strips of brass shim stock were also fitted at the chines from Station 5 to the transom. These brass strips extended vertically downward from the model chine by 1/32 of an inch.

Twin rudders were made and fitted to the model to determine the rudder effectiveness during the straight course tests. As indicated on Figures 1 and 2 the rudders were mounted normal to the bottom with the rudder post at Station 9.25. These are straight taper ruddars with the rudder post at 20% of the chord; their particulars are given in Table 1. When the rudder tests were completed, the rudders were removed and the holes for the rudder stocks were sealed.

The models' decks were covered and sealed with clear lucite. An opening was left at Station 5 for attachment to the towing apparatus and to allow access for setting the trim and roll angles. This opening was then sealed by means of a thin rubber collar between the bottom of the balance and the deck. This is shown in the photograph of the model undergoing straight course tests in Figure 6.

APPARATUS AND INSTRUMENTATION

A pitch and roll pivot box, with provision for setting and locking the trim and roll angles, was mounted in the model. This pivot box is shown on Figure 3. For all of these tests the model was free to heave but fixed in trim, roll and yaw. The pitch axis was located 22.5 inches forward of the transom and 4.15 inches above the keel. The roll axis was parallel to and 4.15 inches above the keel. These axes are shown on Figures 1 and 2. Throughout this report quantities are given either in model scale or in units of beam. Since the beam of the models is 9 inches, the co-ordinates of the tow point are

2.5 beams forward of the transom and 0.46 beams above the keel.

A five-component balance was attached above the pivot box. The longitudinal and lateral forces, and the roll, pitch and yaw moments were measured in these tests, as indicated in the sketch in Appendix C. A graduated plate on top the balance was included for setting the yaw angle, and the balance rotated with the model in yaw but not in roll or trim. Heave was measured at the pitch pivot, and inclinometers were fitted to assist in setting the trim and roll angles. The five-component balance was attached to twin vertical heave poles in a standard free-to-heave apparatus which included provision for counter-weighting. The free-to-heave apparatus was mounted on a standard testing carriage which was either run on the Tank 3 rail, or attached to the Tank 2 arm. Thus the identical test apparatus was used for both the straight course and rotating arm tests.

The rotating arm tests were carried out in the Davidson Laboratory Tank 2 (75 ft by 75 ft by 4.5 ft deep) at 32 ft and 16 ft radius as shown on Figure 4. The straight course tests (also referred to as infinite radius tests) were performed in Tank 3 (313 ft long by 12 ft wide by 6 ft deep) as shown on Figure 7.

Underwater color photographs were taken of each test run both for the straight course tests in Tank 3 and the rotating arm tests in Tank 2. The view was taken from directly underneath the hull looking upward, and includes the run number and a side view of the hull, as well as the principal pressure area. The photographs are 35 mm color slides and provide an excellent record of the flow conditions about the hulls, as well as showing the wetted lengths. The complete set of color slides are an important supplement to this report. The pictures were taken through a mirror mounted at 45 degrees on the floor of the tank. A camera mounted in a vertical surface-piercing underwater transparent box took pictures of the model in the mirror, as well as a direct view of the model in profile. Flash units on the floor of the tank were used to illuminate the model. The camera and flash were triggered by the passage of the model over the mirror. The rail in Tank 3 is equipped with a counter system which indicates the exact location of the carriage on the overhead rail. Similarly the drive shaft in Tank 2 is equipped with a shaft encoder which indicates the position of the arm. These features make it relatively easy to detect when the model is opposite the camera and to take the photographs when the model is well positioned in the mirror.

Examples of the underwater photographs are included on Figures 5 and 6. The flow about a planing hull making a turn in a rolled attitude is more complicated than on straight course. The picture in Figure 5 is relatively straightforward. However Figure 6 shows a complex situation where the boat is yawed out of the turn so that the flow over the port side has separated all the way along the keel, and substantial air ingestion and aeration is present. Such conditions make the identification of the wetted area quite difficult.

A video camera was mounted above, forward and to port of the model in both Tanks 2 and 3, and a video recording was made of each run. The video tapes and underwater pictures have been sent to the U.S. Coast Guard R&D Center at Avery Point, Connecticut.

TEST PROCEDURE

After the apparatus was setup, the instrumentation was calibrated in place, prior to testing. Known loads and moments were applied to the five component balance, and known displacements to the motion transducers. Combinations of loads and moments were applied to the balance in both the positive and negative sense. The following ranges of calibration were covered:

Drag	30 lb
Side-force	44 lb
Roll moment	25 lb-ft
Pitch moment	25 lb-ft
Yaw moment	44 lb-ft

During calibration the outputs from the transducers were fed to the on-line computer, where a least-squares linear regression analysis was performed. All the calibrations were linear and the rates were stored for use during data collection. The calibrations were checked daily by the application of deadweights applied at a compound angle so as to cause simultaneous deflections in all the transducers. The data acquisition and processing was carried out by the on-line Masscomp computer using a program package designed by Davidson Laboratory known as DAP5. This program digitizes analog signals from the instruments at 250 Hz, and records them on disk in digital form during the test run. After the run the processing programs are

called upon to process the data according to user specified parameters. The model was setup for test in the following sequence. With the model at zero trim, that is with the keel horizontal, and at zero roll, the yaw angle was set by rotating the model in the horizontal plane; then the trim angle was set in the vertical plane; finally the roll angle was set by rolling the model about its longitudinal axis. Zeroes were taken with the model in the air at the yaw, trim, and roll angles. The model was then lowered into the water, and a zero speed run was made to measure the hydrostatic forces and moments acting on the model. The model was then accelerated up to the required speed, data were acquired in the data trap by scanning all channels at 250 Hz, and the results were converted into engineering units and stored in the computer. An underwater photograph was taken at the end of the data trap, the model was decelerated and returned for the next run. Speeds were computed from the time taken to travel through the data trap. Plots of the measured data were made at tankside to monitor the results.

For the straight course tests the data trap was set at 50 ft, that is 13 boat lengths. The rotating arm tests were run in the clockwise direction and the data trap was set up in the fourth quadrant.

Air tare tests were run with the model in the air on straight course and on the rotating arm. The test ranges of speed, radius, and yaw, trim and roll angles were covered to determine the aerodynamic and centrifugal forces and moments. These forces and moments were later subtracted from the total forces and moments measured with the mode in the water.

TEST PROGRAM

The displacement for all the tests represented 100 long tons full size: this corresponds to a beam loading of 0.4375, or a model displacement of 11.49 lb. Calm water tests were run on straight course and on the rotating arm at 16 ft and 32 ft radius. The radius of turn is measured in the horizontal plane and refers to the radius at the tow point. The non-dimensional angular velocity, $r' = L/R$, where L is the LBP of the boat, and R is the radius of the turn, provides a convenient means of identifying the non-dimensional radius. Tests on straight course and at radii of 32 ft and 16 ft correspond to non-dimensional angular velocities of 0, 0.117 and 0.234 respectively. The following matrix of conditions was used for the tests of each model:

Test type	Straight Course	Rotating Arm
Model configuration	Unappended	Unappended
Deadrise, degrees	10, 20	10, 20
Rate of turn, L/R	0	0.117, 0.234
Speed, Cv	0, 1.5, 3, 4	0, 1.5, 3, 4
Trim, degrees	-2, 0, 3, 6	0, 3, 6
Roll, degrees	-10, 0, 10, 20	-10, 0, 10, 20
Yaw, degrees	0, 5, 10, 15	-15, -10, -5, 0, 5, 10, 15

Model configuration	Twin rudders
Deadrise, degrees	10,20
Rate of turn	0
Speed, Cv	1.5, 3, 4
Trim, degrees	3
Yaw, degrees	0
Roll, degrees	0
Rudder deflection, degrees	-20, -15, -10, -5, 0, 15, 20

During the tests the water temperature in both tanks was maintained at a value of 71.5°F which was checked twice daily.

DATA PROCESSING

The test data were processed to meet several requirements. These include 1) a tabulation of the "raw" data on a day by day, run by run basis; 2) presentation of the data in a body coordinate system with origin at the intersection of the keel with the transom; and 3) presentation of the body coordinate data in non-dimensional form. There was also a requirement to illustrate the data reduction process, and to present the transformation equations from the balance coordinate system to the body coordinate system. These requirements were met in the following manner. 1) Each run is given a unique sequence number, and therefore a listing of the run numbers and test conditions satisfies the need for a run by run record. This is included in Appendix B, which is the Chronological Run Directory. The run numbers are

assigned sequentially by the computer, and a "run" identifies a data taking event which is not necessarily a run down the tank. Thus in Appendix B some run numbers have the prefix "DZ", which indicates that the data were taken at zero speed, while others are prefaced by "DR", which denotes a run taken for checking purposes. The raw data were taken to be the dimensional model data in "wind axes". The wind axes move with the model, have a horizontal and vertical orientation, and have their origin at the tow point; the x-axis is parallel and opposite to the resultant velocity, the y-axis is positive to starboard, and the z-axis is positive upward. The wind axes and balance measurement axes coincide at zero yaw angle. The data in wind axes includir the air tares, are presented in Appendix A, and represent the raw data. The air tares in the wind axes were analyzed and removed from the raw data. The net hydrodynamic forces and moments are presented in model scale dimensional form in Table 11. These data were then transformed to body axes, with origin at the tow point, and tabulated in Table 12. These dimensional data were then transferred to an origin at the intersection of the keel with the transom, as given in Table 13. 3) The body axis data from Table 13 with origin at the keel-transom intersection, were non-dimensionalized and are presented in Table 14.

The various axes systems are described in Appendix C, together with the transformation equations and non-dimensionalizing scheme. Forces are normalized with respect to the product of the dynamic pressure and the square of the beam, while moments are normalized by the product of the dynamic pressure and the cube of the beam. The presentation of the data at various stages, together with the transformation equations, provides a clear audit trail between the raw data and the final results, and illustrates the data reduction process.

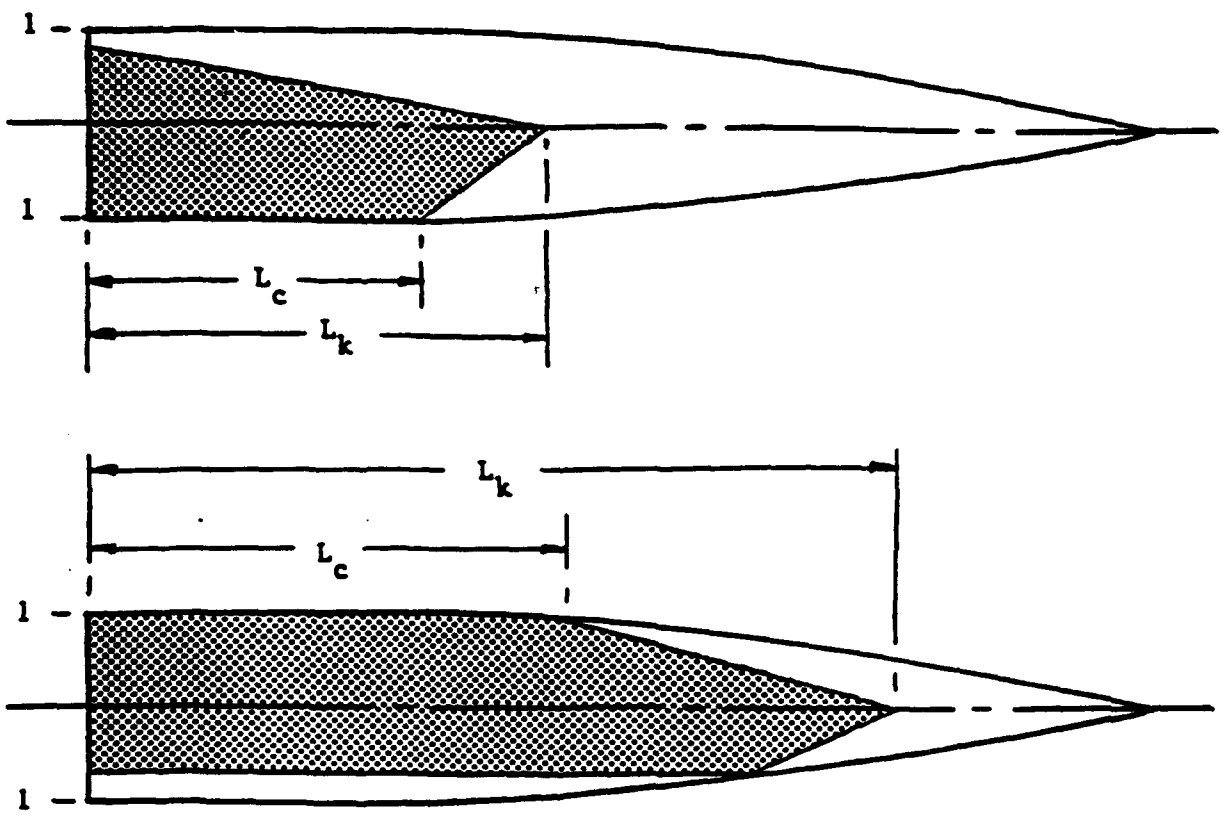
Air Tares

The first step in the data processing is to identify and remove the forces and moments due to centrifugal and aerodynamic forces. Since these two forces tend to be parallel to the axes of the wind axis system, all the data were transferred to wind axes. The "air tare" results were plotted and suitable equations identified to represent them. A regression analysis of the "air tare" data taken with the model in the air was performed, and the

equations adopted for the air tare forces and moments are given in Appendix C. Separate analyses were made of the straight course and rotating arm data, and for the 10 degree and 20 degree deadrise hulls. As a check on these fits, the air tare results were themselves corrected by subtracting the calculated forces and moments, and examining the residuals. These were sufficiently small to indicate that a satisfactory fit had been obtained. These same equations were then applied to the data obtained with the models in the water.

Wetted Area

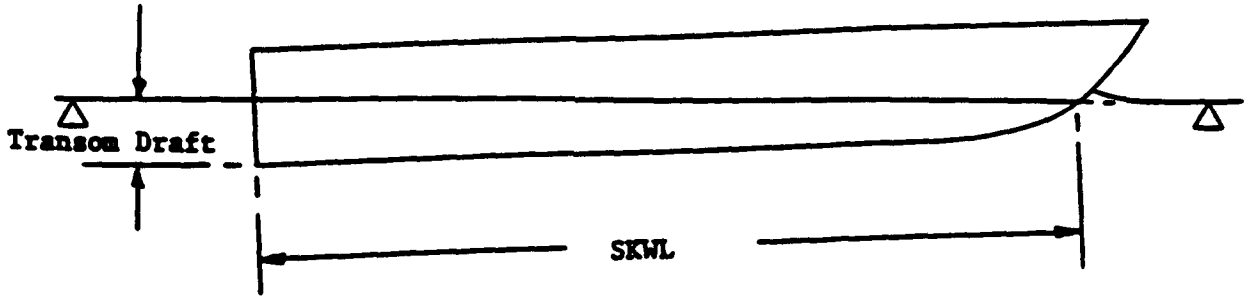
The underwater pictures were used to record the wetted area of the hulls in both the straight course and rotating arm tests. Due to the attitude of the hulls when rolled in a turn, it was necessary to read both the port and starboard wetted chine lengths, as well as the keel wetted length. The general underwater appearance is illustrated in Sketch A:



Sketch A - Underwater Wetted Areas

In cases where the chines were dry, because either the stagnation line crossed the transom or the flow separated before reaching the chine, the fraction of the beam at transom that was wetted was recorded. For each run, the wetted areas were calculated from the observed keel and chine wetted lengths, and the transom wetted width, together with the hull girths from chine to chine. In those cases where side wall wetting occurred, the wetted side wall area was not measured. The tabulated wetted areas are actual wetted areas and not vertically projected areas.

The readings from the heave and trim transducers were used to calculate the transom draft (TD) and the "static keel wetted length" (SKWL), which is the keel wetted length without allowing for wave rise. The dynamic keel wetted length from the underwater photographs may be correlated with the SKWL, which provides a means of fairing these data. The transom draft is defined as the draft of the keel at the transom relative to the still water surface. Both TD and SKWL are illustrated in Sketch B. The values of SKWL are included in the wetted area tables, Table 4, and those of TD in Table 5.



Sketch B - Transom Draft (TD) and Static Keel Wetted Length (SKWL)

RESULTS

The chronological run directory with the test parameters for the 3312 test runs performed during the course of the test program is presented in Appendix B. This is a simple sequential listing of the runs made for each hull, showing the computer-assigned Run Number and the test conditions including: radius of turn, the set values of the trim, roll and yaw angles, and the observed test speed. The hydrostatic forces and moments were measured at zero speed for each hull attitude and these runs have the prefix "DZ". Run numbers with the prefix "DR" were general made for checking purposes and were discarded.

It is obviously desirable to impose order on such a mass of data by sorting it for presentation purposes. The results naturally divide into two groups, one for each value of hull deadrise. Within each of these groups the runs may be ordered by the radius of turn and the test speed. Lastly the model attitude in trim, roll and yaw is considered. Consequently the results have been sorted and are presented according to the following hierarchy:

Deadrise
L/R
Cv
Trim
Roll
Yaw

The results are presented in a series of tables as described in the "Data Processing" section. In these tables the results have been sorted, and assigned to a table designation which is designed to facilitate the location and retrieval of specific results. The table code is as follows:

Table designation - nn:drs:p

where nn denotes table number
d denotes deadrise: 1 = 10 degrees, 2 = 20 degrees
r denotes angular velocity L/R: 0 = 0, 1 = 0.117, 2 = 0.234
s denotes speed coefficient Cv: 0 = 0, 1 = 1.5, 3 = 3, 4 = 4
p denotes page number in a table: either 1 or 2

The first application of this table designation is to present an index to all the test runs in the form of a Run Directory in Tables 2 and 3. Table 2 applies to the unappended hulls, and Table 3 applies to the straight course rudder tests. Table 2 summarizes on one page the values of trim, roll and yaw that were tested at one combination of deadrise, angular velocity and speed. This table shows that some test conditions, usually at zero trim, had to be omitted due to model sinkage, as will be discussed later. Similarly some runs are flagged with an asterisk because they may have been too close to the heave stop.

The wetted area data from the underwater pictures are next presented in Table 4. The entries in the wetted area tables are presented in exactly the same sequence as in the subsequently presented force and moment tables, to facilitate linking the results together. The occasional blank line occurs when a duplicate data run was made without a corresponding underwater picture; and in a very few instances the pictures did not come out.

The wetted area is given in model dimensional units, and the tabulated values include: the run number, the trim, roll and yaw angles, the keel and starboard chine wetted lengths in model inches, the fraction of the starboard transom that is wet, the port chine wetted length and the fraction of the port transom that is wet. The total wetted area is given in model square feet, followed by the starboard and portside contributions. The SKWL is included for comparison with the dynamic keel wetted length.

The main hydrodynamic stability results are presented in Tables 5 to 8. These tables present respectively: the dimensional model data in wind axes with origin at the tow point, the dimensional model data in body axes with origin at the tow-point, the dimensional model data in body axes with origin at the keel at transom, and the non-dimensional data in body axes with origin at the keel at transom. The tabulated values include: the run number, the trim, roll and yaw angles, the axial, lateral and vertical forces X, Y, and Z, and the roll, pitch and yaw moments K, M, and N. The values of speed, heave, and transom draft are included in Table 5 and in the raw data tables of Appendix A.

The corresponding rudder stability data are presented in Tables 9 to 12. The tabulated values for these straight course tests at 3 degrees trim, and zero roll and yaw, include: the run number, the rudder deflection, the speed, and the forces and moments.

DISCUSSION OF RESULTS

The object of this report is to present the considerable data base obtained from these free-to-heave, fixed trim, roll and yaw tests of the two deadrise models at one displacement and three speeds. A meaningful analysis of this data is clearly desirable, however it is outside the scope of this report. Three topics deserve comment. These include the use of the body axes data, the unusual behavior of the model at zero trim and large yaw angle with increasing speed, and the effect of forward speed on roll stiffness.

While the rotating arm tests were made with zero pitch and roll angular velocity in wind axes, finite values of these angular velocities are induced in body axes due to the trim and roll angles. Moreover the operating conditions of the models are given in terms of the resultant angular yaw velocity in the horizontal plane, and the resultant linear horizontal velocity at the tow point which is located 2.5 beams forward of the transom and 0.46 beams above the keel. These distinctions should be borne in mind when using the body axes system with origin at the pivot and at the transom.

During the rotating arm tests of the 20 degree model at zero trim and 15 degree yaw angle it was observed that the draft increased with speed. This is contrary to expectation because a planing craft usually lifts out of the water as the speed is increased. On further investigation it was found that, at zero trim and at Cv's of 3 and 4, the draft also increased as the yaw angle increased. Furthermore, at combinations of large negative yaw with positive roll, the model was inundated with water and would have sunk had it not been for the heave stop. The heave stop was a mechanical stop on one heave pole which was set to prevent the model from sinking by more than an inch from its static floating position.

The increase of draft with speed at zero trim and -10 degrees yaw is shown in the following table. This is for the 20 degree hull turning at L/R = 0.117, at 10 degrees roll, and the data come from Tables A1.210.1, A1.211.1, A1.213.1 and A1.214.1

Run	534	535	536	537*
Cv	0	1.5	3.0	4.0
TD/beam	0.202	0.267	0.283	0.302

The unusual effect of yaw angle at zero trim is illustrated by the following table of transom draft at Cv = 3 taken from Table A1.113.1:

Run	666*	662	650	654	658*
Yaw, deg	-10	-5	0	5	10
TD/beam	0.304	0.219	0.200	0.230	0.307

where the asterisk indicates when the model was close to the heave stop.

Because of this anomalous behavior at zero trim it was decided to eliminate the -2 degrees trim condition from the rotating arm test program, and to curtail the zero trim tests where it seemed advisable at the larger yaw angles. While similar behavior was later noted during the straight course tests, where once again the draft increased with increasing yaw angle at the higher test speeds, it proved feasible to retain the -2 degrees trim test condition.

Once alerted to the possibility of sinkage at zero trim, care was taken *not* to report data where the model was clearly on the stop. Many of the zero trim runs had to be omitted for this reason. Even so, there were still some borderline cases where it was difficult to judge if the model was clear of the heave stop. Therefore it was decided to flag those runs with an asterisk to show that the heave stop may have interfered with the freedom to heave. The data from runs marked with an asterisk could show some anomalous behavior for this reason.

The zero trim runs on the rotating arm also generated some dramatic spray patterns, which were recorded on video tape. The video record of these tests constitutes an important complement to the tabulated results, and, like the underwater pictures, merits considerable study.

There has been a lot of speculation about the transverse stability of planing hulls at speed. An analysis of the present results at zero yaw angle was made by plotting the wind-axes roll moment against roll angle for both hulls at all speeds and radii. The roll moment tended to vary linearly with roll angle over the range of ±10 degrees, thereby allowing for the calculation of a roll stiffness. The yaw angular velocity appeared to have little effect on roll stiffness. The variation of straight-course transverse stability with speed is shown on Figure 8 for trims of 0, 3, and 6 degrees at zero yaw. At zero trim the stability decreased significantly with speed. At the finite trims that are more representative of realistic operating conditions, however, the transverse stability actually increased with speed.

RECOMMENDATIONS

It is obviously most desirable that an in-depth analysis of the data presented herein be carried out. This is a unique data set in the history of planing boats and fills a long felt need. In order to make the results more

readily available, the great mass of data must be reduced to manageable form, which would be provided for by appropriate analysis.

As explained in the "Data Processing" section, it was required that the data be presented in both dimensional and non-dimensional form. The specified non-dimensional coefficients reported in Tables 14 and 18 are based on dynamic pressure acting on a characteristic area. The Coast Guard wishes to emphasize that their choice of normalization should not be taken to imply anything about the scaling laws that apply to these data. The issue of scaling is not addressed in this report. The choice of scaling techniques is the responsibility of the user.

Non-dimensional coefficients have many useful applications in Naval Architecture, none of which are associated with scaling. Hydrodynamic data are often presented in non-dimensional form in order either to facilitate the comparison of hull forms, a familiar example being the use of the resistance-weight ratio, R/W, or to achieve a "collapse" of the data. An example of the latter is the use of lift coefficients to report hydrofoil data, which results in characteristics which are substantially independent of speed.

When hydrodynamic data are normalized with respect the square of the velocity, it is often in the expectation of minimizing velocity effects. In the present case, however, since the resulting coefficients are markedly speed dependent, it is suggested that a different scheme be considered. The authors recommend the use of the NACA planing coefficients which are generally considered to be most suitable for reporting planing data in non-dimensional form. The NACA coefficients are included in the Nomenclature for reference.

Although the data are so extensive they are still limited to one displacement, corresponding to a beam loading of 0.4375, and to one length-beam ratio of 5. The effect of variation in displacement should be investigated for some subset of the parameter space. Similarly it would seem appropriate to investigate the effect of varying the length-beam ratio.

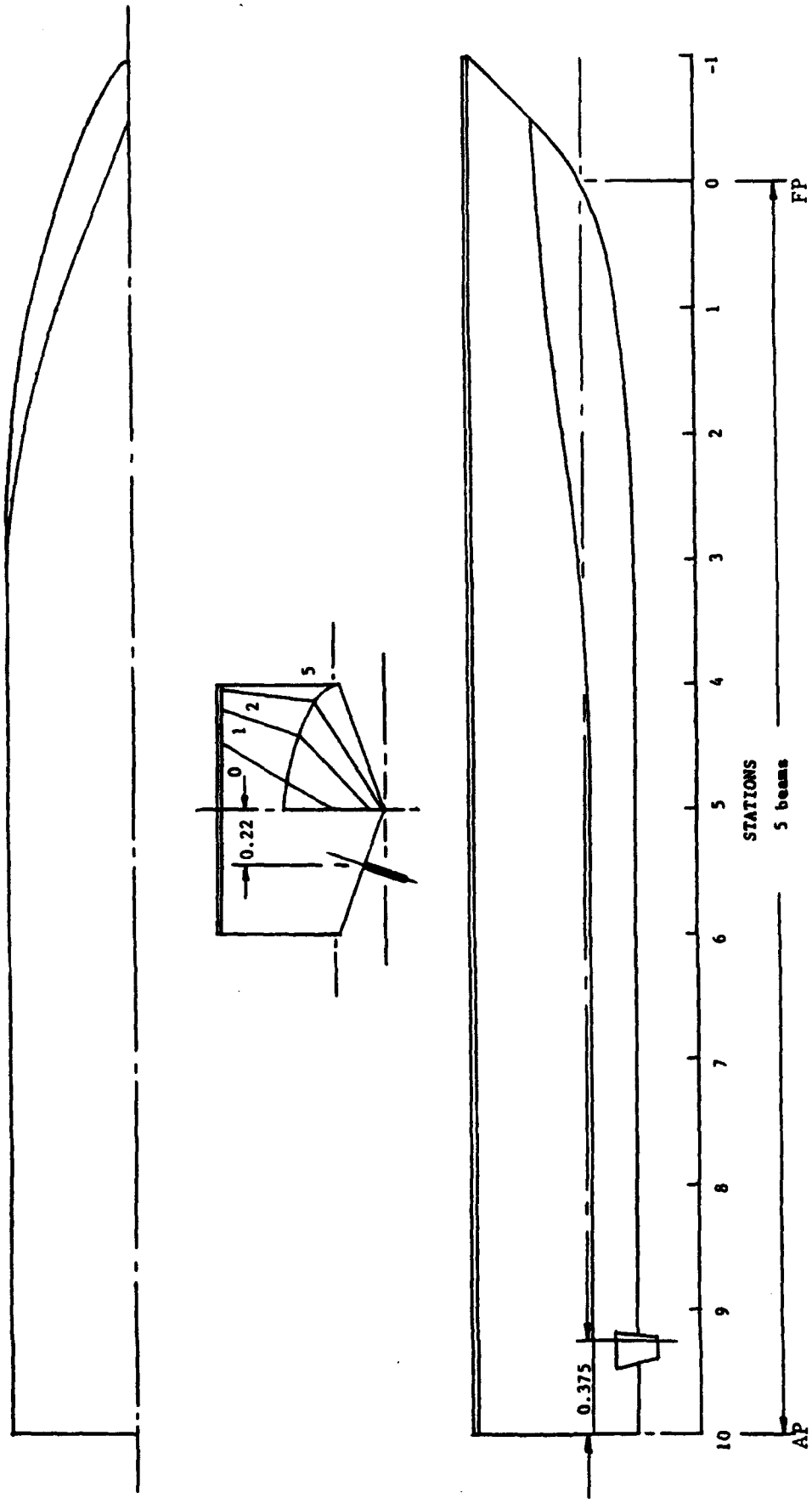


FIGURE 1 LINES OF 20° DEADRISE PARENT MODEL

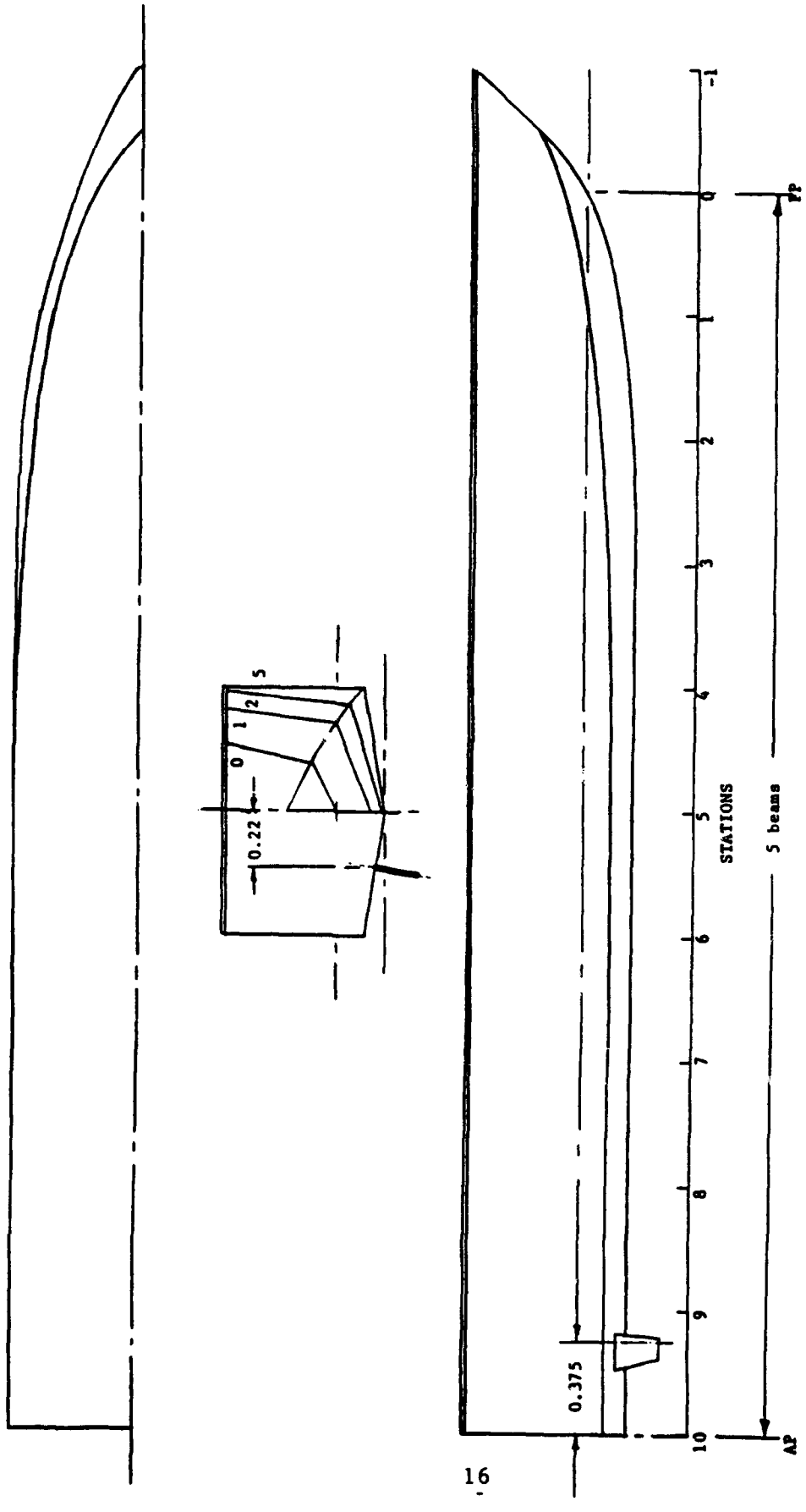


FIGURE 2 LINES OF 10° DEADRISE MODEL

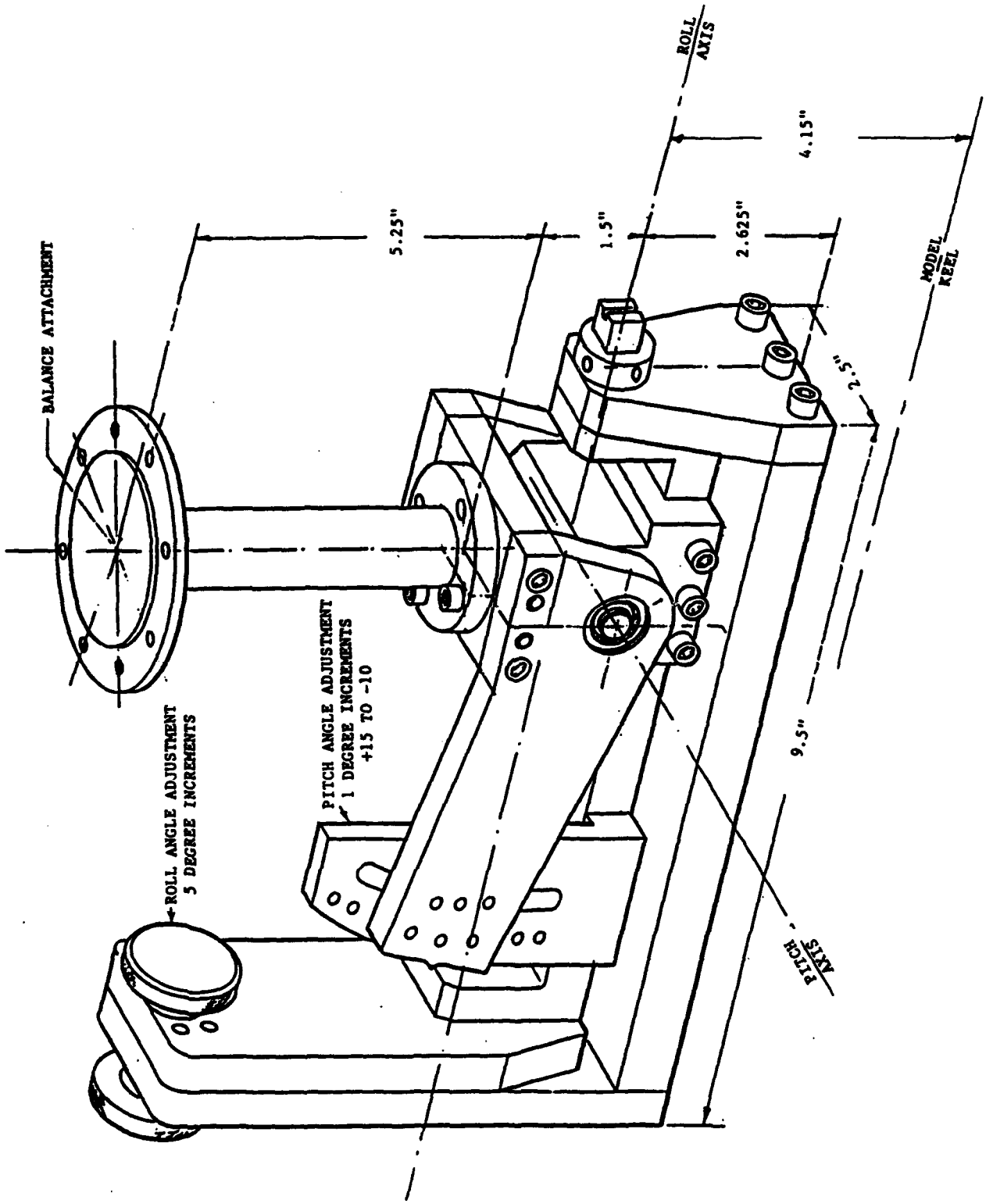


FIGURE 3 PITCH AND ROLL PIVOT BOX

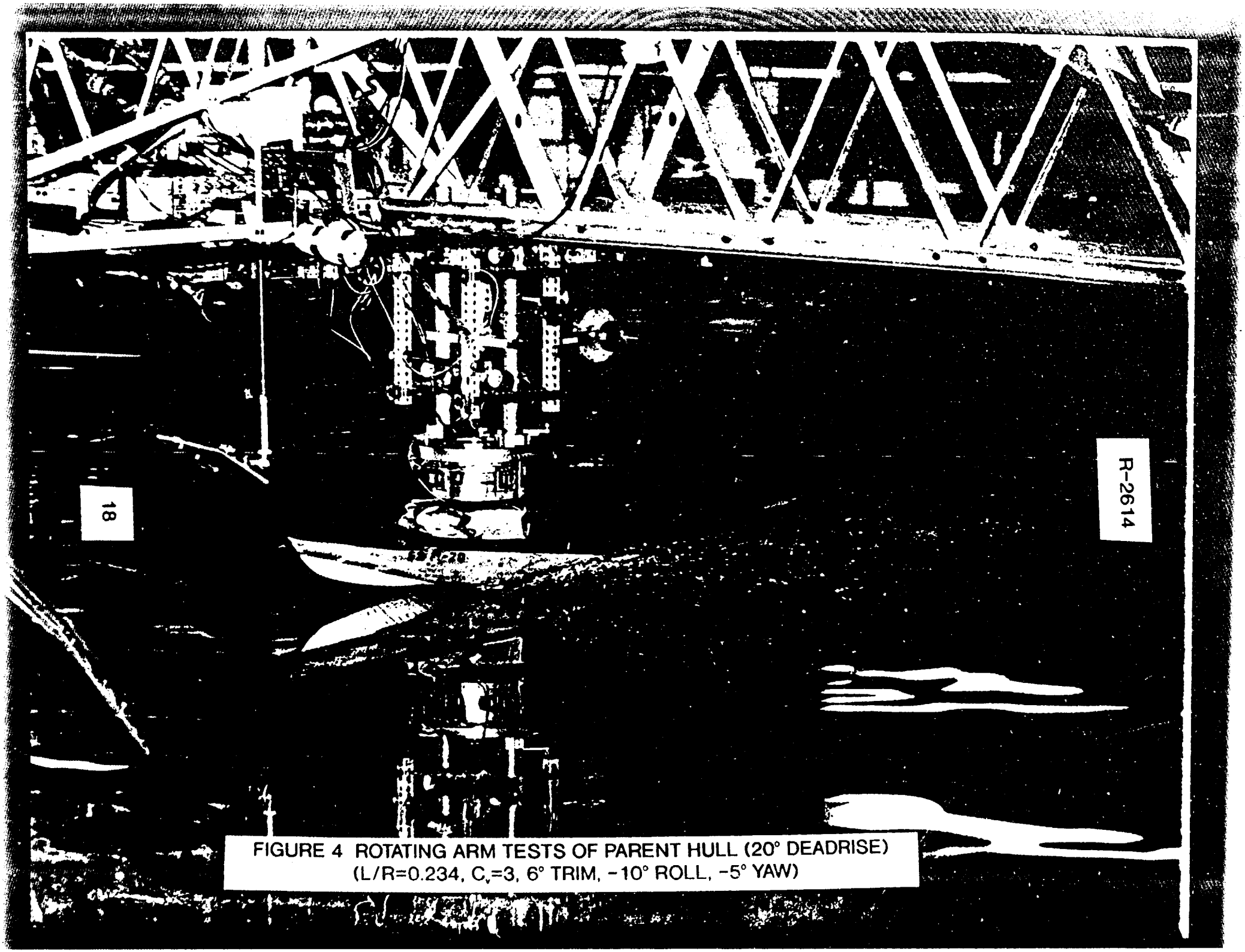


FIGURE 4 ROTATING ARM TESTS OF PARENT HULL (20° DEADRISE)
(L/R=0.234, C_v=3, 6° TRIM, −10° ROLL, −5° YAW)

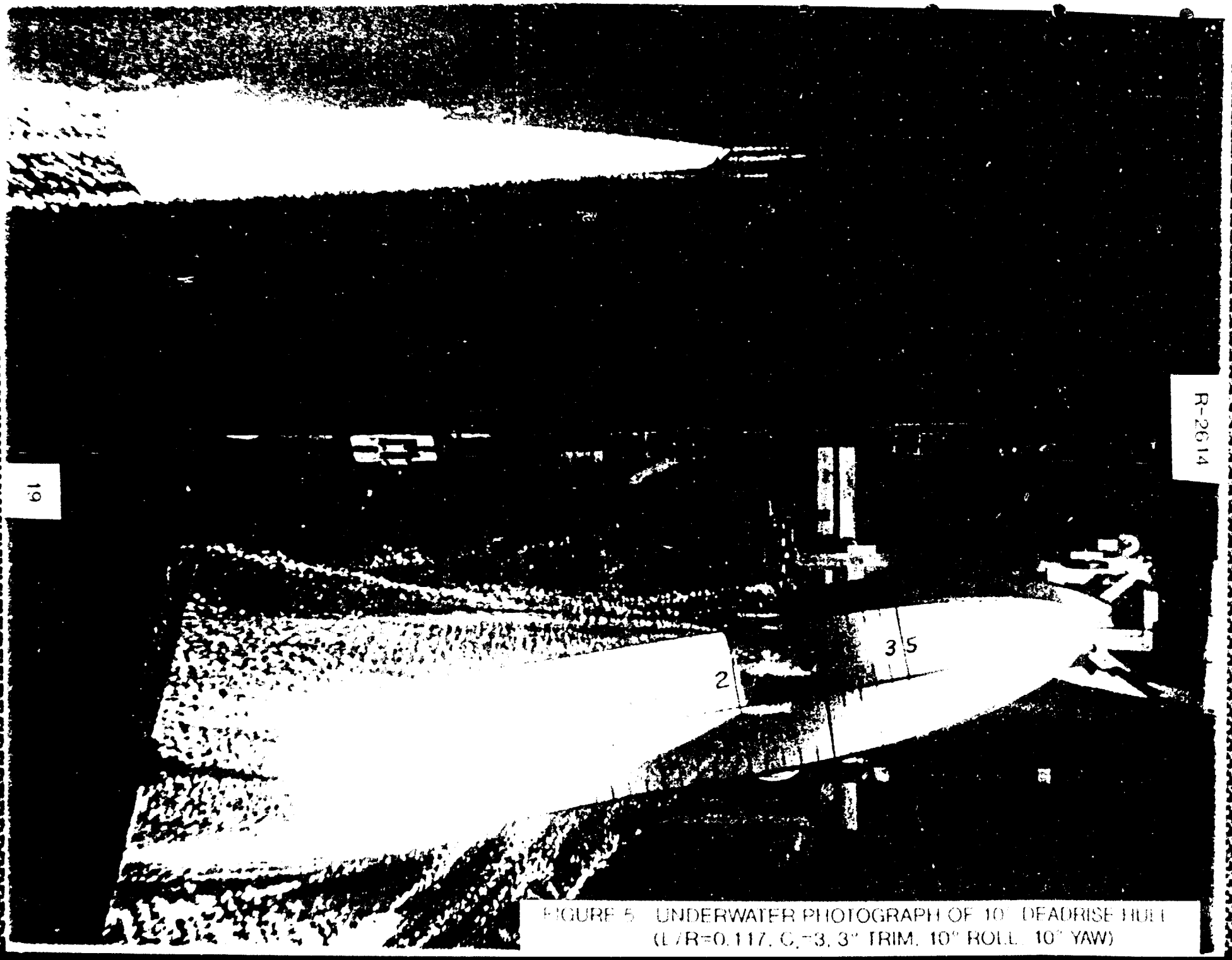


FIGURE 5 UNDERWATER PHOTOGRAPH OF 10° DEADRISE HULL
($L/R=0.117$, $C_L=3.3$° TRIM, 10° ROLL, 10° YAW)

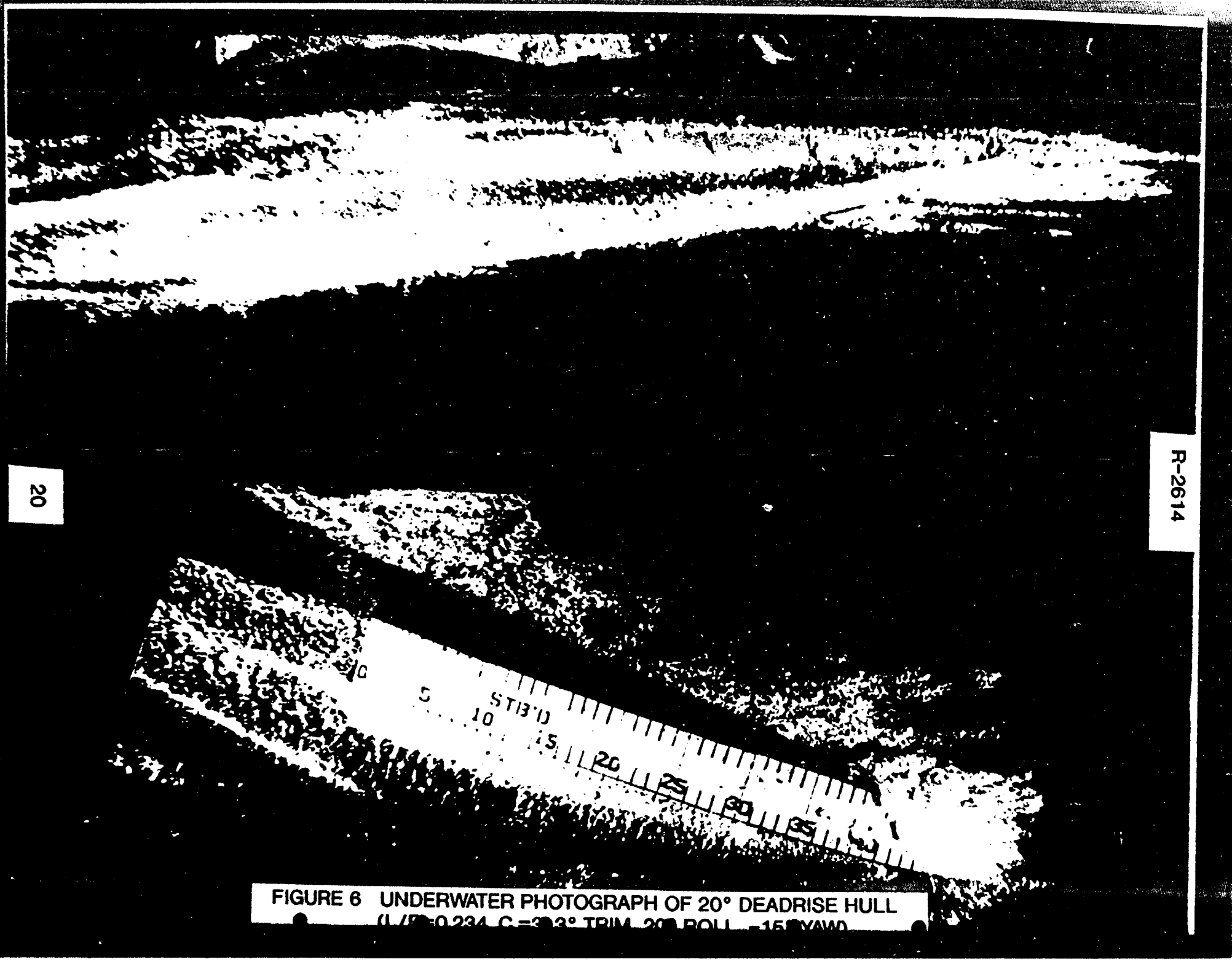


FIGURE 6 UNDERWATER PHOTOGRAPH OF 20° DEADRISE HULL

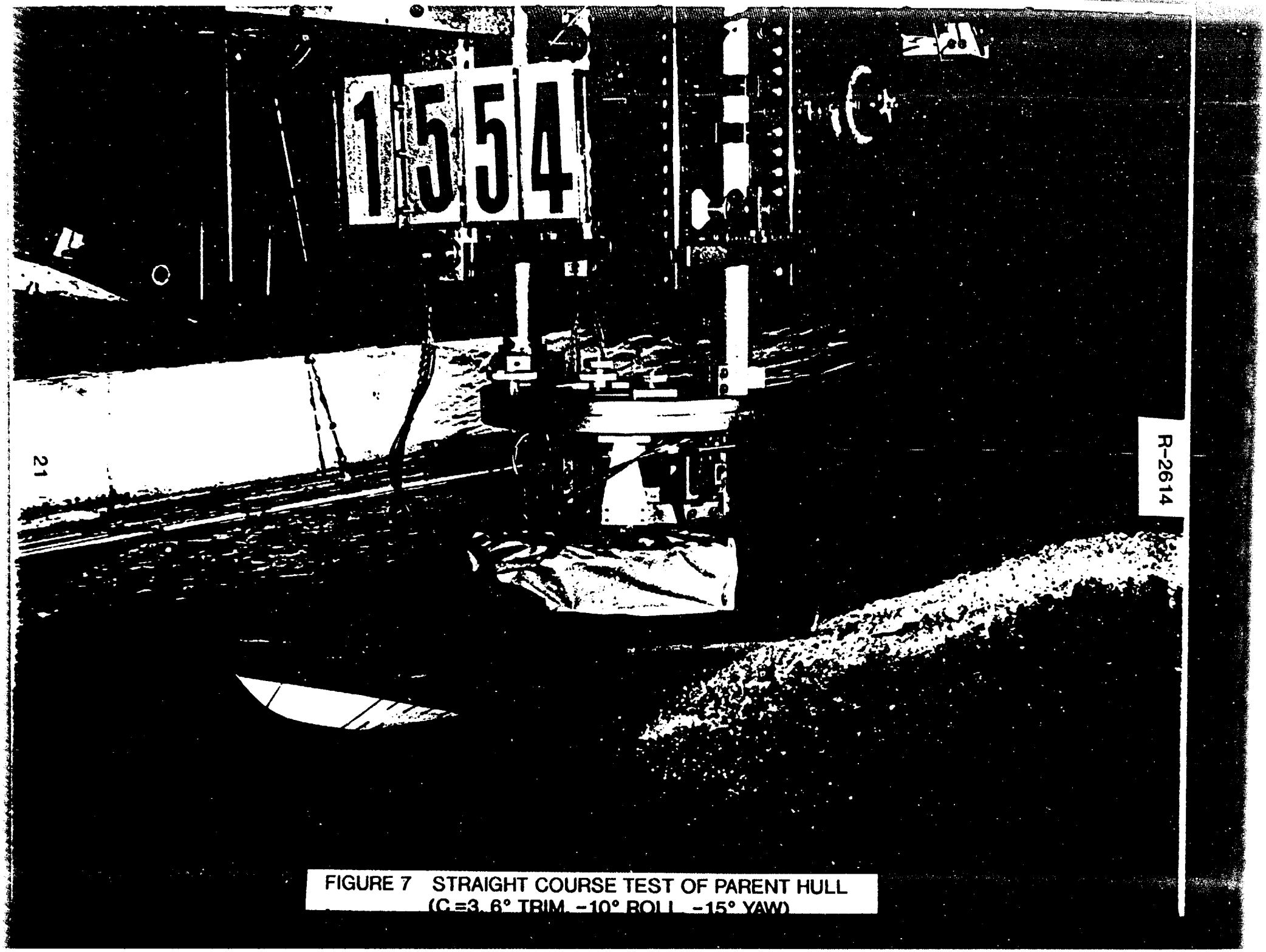


FIGURE 7 STRAIGHT COURSE TEST OF PARENT HULL
(C_Δ=3.6° TRIM, −10° ROLL, −15° YAW)

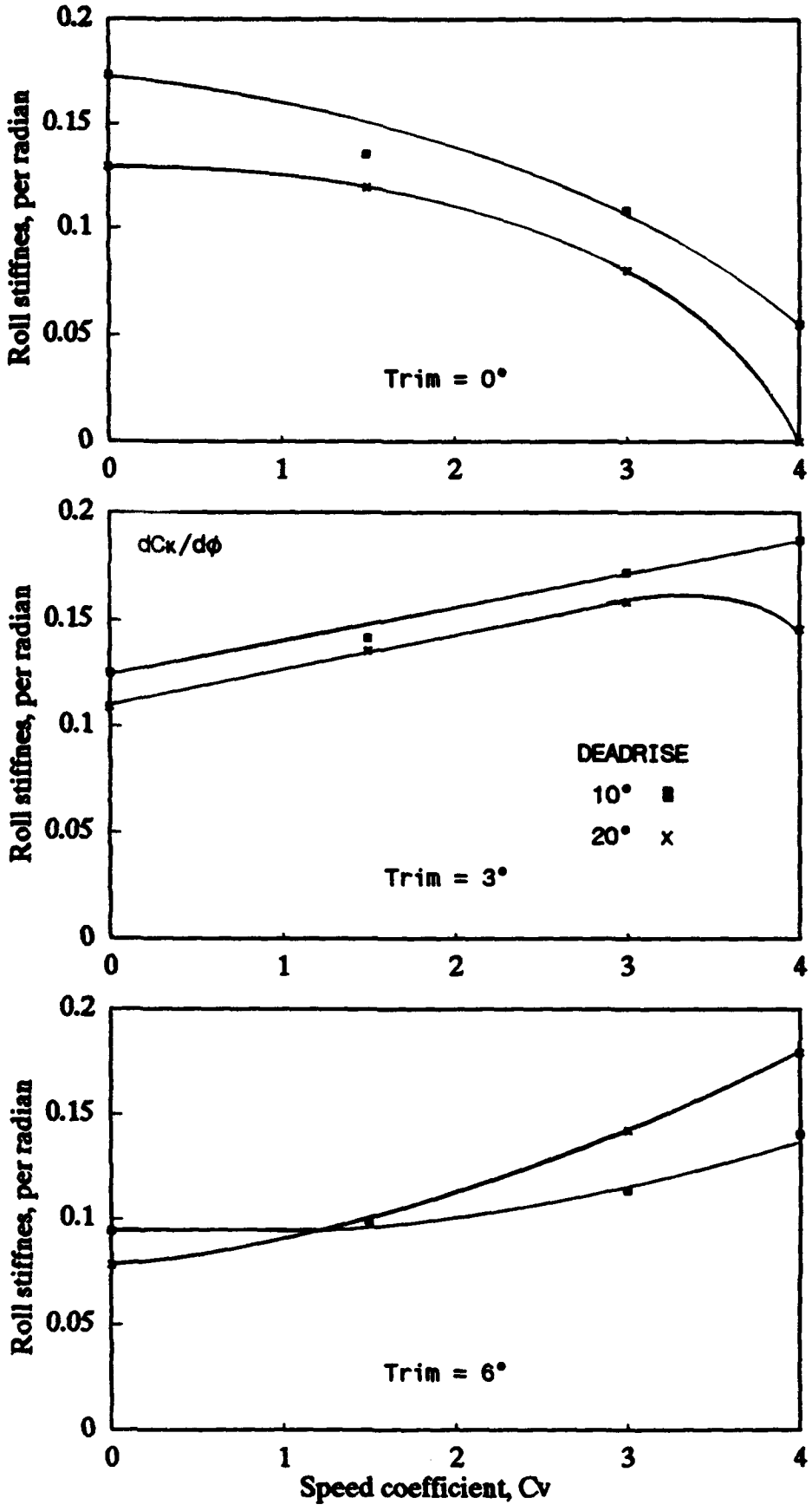


FIGURE 8 VARIATION OF STRAIGHT COURSE ROLL STABILITY WITH SPEED

TABLE 1

TABLE OF PARTICULARS OF BOTH MODELS

	Model	Full Size
Scale	1/26.6	1
Displacement, Δ	11.49 lb	100 long tons
Load coefficient, C_{Δ}	0.4375	0.4375
Beam	9 in	20 ft
Lengths		
Overall, LOA	50 in	110 ft
Projected chine LP	47.5 in	105 ft
Design, DWL or LBP	45 in	100 ft
Length-beam ratios		
Overall	5.50	5.50
Projected chine	5.25	5.25
Between perpendiculars	5.00	5.00
Towpoint		
Forward of transom	22.5 in	
Above keel	4.15 in	
Twin Rudders		
Root chord	1.31 in	35 in
Tip chord	0.75 in	20 in
Span	1.58 in	42 in
Sweepback angle	4.09 deg	4.09 deg
Area per rudder	1.62 sq.in	8.02 sq.ft

Rudder Section - offsets in percent chord

	Distance from L.E.	Thickness t/c %		Distance from L.E.	Thickness t/c %
L.E.	0	0.0		50	11.3
	5	10.0		60	10.0
	10	11.8		70	8.3
	20	12.4		80	6.5
	30	12.4		90	4.7
	40	12.1	T.E.	100	3.0

TABLE 2.100.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES *nn*.100

10 deg deadrise - L/R = 0

Cv = 0

YAW, deg →	-10	-5	0	5	10	12	15
ROLL, deg ↓							
			Trim = -2 deg				
-10			2112	2116	2120		2122
0			2059	2065	2069		2070
10			2074	2078	2081		2083
20			2090	2094	2098	2108	2101
			Trim = 0 deg				
-10			1829	1833	1837		1843
0			1760	1764	1768		1773
10			1779	1783	1787		1792
21			1809	1814	1819		1823
			Trim = 3 deg				
-11			1918	1922	1926		1930
0			1850 1854	1856	1860		1864
10			1880	1884	1888		1894
21			1900	1904	1908		1912

* Indicates model was close to heave stop

TABLE 2.100.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.100

10 deg deadrise - L/R = 0

Cv = 0

YAW, deg →	-10	-5	0	5	10	12	15
ROLL, deg ↓			Trim = 6 deg				
-10			2022	2026	2030		2034
0			1963	1967	1972		1976
10			1982	1986	1990 1993		1995
20			2002	2007	2011		2015

* Indicates model was close to heave stop

TABLE 2.101.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.101

10 deg deadrise - L/R = 0

Cv = 1.5

YAW, deg ⇨	-10	-5	0	5	10	12	15
ROLL, deg ⇩			Trim = -2 deg				
-10			2113		2117	2121	2123 *
0			2060 2063		2066	2068	2071 *
10			2075		2079	2082	2084
20			2091		2095	2099	2102
			Trim = 0 deg				
-10			1830		1834	1840	1844
0			1761		1765	1769	1774
10			1780		1784	1788 1789	1793
21			1810		1815	1820	1824
			Trim = 3 deg				
-11			1919		1923	1927	1931
0			1851 1855		1857	1861	1865
10			1881		1885	1889	1895
21			1901		1905	1909	1913

* Indicates model was close to heave stop

TABLE 2.101.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.101

10 deg deadrise - L/R = 0

Cv = 1.5

YAW, deg →	-10	-5	0	5	10	12	15
ROLL, deg ↓			Trim = 6 deg				
-10			2023	2027	2031	2035	
0			1964	1969	1973	1977	
10			1983	1987	1991	1996	
20			2003	2008	2012	2016	

* Indicates model was close to heave stop

TABLE 2.103.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.103

10 deg deadrise - L/R = 0

Cv = 3

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim -2 deg			
-10				2114	2118		
0				2064	2067		
10				2076	2080		
20				2092	2096	2100	2103
				Trim = 0 deg			
-10				1831	1835	1841	1845
0				1762	1766	1770 *	1775 *
10				1781	1785	1790	1794
21				1811	1816	1821	1825
				Trim = 3 deg			
-11				1920	1924	1928	1933
0				1852	1858	1862	1866
10				1882	1886	1890 1891	1896
21				1902	1906	1910	1914

* Indicates model was close to heave stop

TABLE 2.103.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.103

10 deg deadrise - L/R = 0

Cv = 3

YAW, deg ⇨	-15	-10	-5	0	5	10	15
ROLL, deg ⇩				Trim = 6 deg			
-10				2024	2028	2032	2036
0				1965	1970	1974	1978
10				1984	1988	1992	1997
20				2004	2009	2013	2017

* Indicates model was close to heave stop

TABLE 2.104.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.104

10 deg deadrise - L/R = 0

Cv = 4

YAW, deg ⇨	-10	-5	0	5	10	12	15
ROLL, deg ⇩			Trim = -2 deg				
-10			2115				
0							
10			2077				
20			2093 *	2097 *	2105 2107	2109	2104
			Trim = 0 deg				
-10			1832	1836	1842		1846
0			1763	1767	1772 *		1776 *
10			1782	1786	1791		1795
21			1812	1818	1822		1826
			Trim = 3 deg				
-11			1921	1925	1929		1934
0			1853	1859	1863		1867
10			1883	1887	1893		1897
21			1903	1907	1911		1915

* Indicates model was close to heave stop

TABLE 2.104.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.104

10 deg deadrise - L/R = 0

Cv = 4

YAW, deg ⇨	-10	-5	0	5	10	12	15
ROLL, deg ⇩			Trim = 6 deg				
-10			2025	2029	2033		2037
0			1966	1971	1975		1979
10			1985	1989	1994		1998
20			2005	2010	2014		2018

* Indicates model was close to heave stop

TABLE 2.110

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.110

10 deg deadrise - L/R = 0.117

Cv = 0

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	753	749	745	732	736	740	
0		664	660	643 645 647 648	653	656	
10		668 689	685		672	676	681
20		728	724	706 707	711	715	720
				Trim = 3 deg			
-10	883	887	891	895	899	903	907
0	802	798	794	759	763	767 790	771 786
10	836	832	828	811	816	820	824
20	875	870	853 867	841	845	849	878
				Trim = 6 deg			
-10	1053	1049	1044	1011 1033	1040	1015	1019 1035
0	937	933	929	912	917	921	925
10	978	974	970	954	958	962	966
20	1002	998	994	982	986	990	1006

* Indicates model was close to heave stop

TABLE 2.111

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.111

10 deg deadrise - L/R = 0.117

Cv = 1.5

YAW, deg ⇒	-15	-10	-5	0	5	10	15
ROLL, deg ⇩				Trim = 0 deg			
-10	754	750	746	733	737	741	
0		665	661	649	652	657	
10		690	686	669	673	677	682
20		729	725	708	712	716	721
				Trim = 3 deg			
-10	884	888	892	896	900	904	908
0	803	799	795	760	764	768 809	772 789
10	837	833 840	830	812 813	817	821	825
20	876	871	854	842	846	850	879
				Trim = 6 deg			
-10	1054	1050	1045	1012 1034	1039	1016	1020 1038
0	938	934	930	913	918	922	926
10	979	975	971	955	959	963	967
20	1003	999	995	983	987	991	1007

* Indicates model was close to heave stop

TABLE 2.113

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.113

10 deg deadrise - L/R = 0.117

Cv = 3

YAW, deg ⇨	-15	-10	-5	0	5	10	15
ROLL, deg ⇩				Trim = 0 deg			
-10	755 758	751	747	734	738	742	
0		666 *	662	650	654	658 *	
10		691 *	687	670	674	678	683
20		730 *	726	709	713	717 718	722
				Trim = 3 deg			
-10	885	889	893	897	901	905	909 *
0	804	800	796	761 806	765 807	769 808	773 788
10	838	834	831	814	818	822	826
20	877 *	872	855 868	843	847	851	880
				Trim = 6 deg			
-10	1055	1051	1047	1013 1057	1041	1017	1021 1037
0	939	935	931	914	919	923	927
10	980	976	972	956	960	964	968
20	1004	1000	996	984	988	992	1008

* Indicates model was close to heave stop

TABLE 2.114

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.114

10 deg deadrise - L/R = 0.117

Cv = 4

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	756 757	752	748	735	739	743	
0		667 *	663	651	655	659 *	
10		692 *	688 *	671	675	679 680	684
20		731 *	727 *	710	714	719	723
				Trim = 3 deg			
-10	886	890	894	898	902	906	910 *
0	805	801	797	762 793	766 792	770 791	774
10	839	835	829	815	819	823	827
20		873 874	869	844	848	852	881
				Trim = 6 deg			
-10	1056	1052	1048	1014 1043	1042	1018	1022 1036
0	940	936	932	915 916	920	924	928
10	981	977	973	957	961	965	969
20	1005	1001	997	985	989	993 1010	1009

* Indicates model was close to heave stop

TABLE 2.120

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.120

10 deg deadrise - L/R = 0.234

Cv = 0

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	2471	2462	2458	2427	2431	2435	2454
0	2348	2344	2340	2315	2329	2336	
10		2395	2390	2373	2378	2382	2386
20	2422	2419	2415	2399	2403	2407	2411
				Trim = 3 deg			
-10	2599	2595	2590	2585	2603	2607	2611
0	2501	2497	2493	2477	2481	2485	2489
10	2535	2519	2515	2507	2511	2540	2545
20	2578	2574	2570	2566	2561	2556	2552
				Trim = 6 deg			
-10	3309	3305	3301	3284	3288	3293	3297
0	2658	2654	2650	2615	2620	2642	2646
10	2688	2683	2679	2663	2667	2671	2675
20	2701	2705	2695	2709	2713	2717 2735	2738

* Indicates model was close to heave stop

TABLE 2.121

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.121

10 deg deadrise - L/R = 0.234

Cv = 1.5

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	2472	2463	2459	2428	2432	2436	2455 *
0	2349	2345	2341	2316 2318	2330	2335	
10		2396	2391	2374	2379	2383	2387
20	2423 *	2420	2416	2400	2404	2408	2412
				Trim = 3 deg			
-10	2600	2596	2591	2586	2604	2608	2612
0	2502	2498	2494	2478	2482	2486	2490
10	2536	2520	2516	2508	2512	2541	2546
20	2579	2575	2571	2567	2562	2557 2558	2553
				Trim = 6 deg			
-10	3310	3306	3302	3285	3289	3294	3298
0	2659	2655	2651	2616	2621	2643	2647
10	2689	2684	2680	2664	2668	2672	2676
20	2702	2696 2697	2706	2710	2714	2718	2739

* Indicates model was close to heave stop

TABLE 2.123

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.123

10 deg deadrise - L/R = 0.234

Cv = 3

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	2473	2464 2470	2460	2429	2433	2437 *	2457 *
0	2350 *	2346	2342	2319 2320	2331 2332	2337 * 2338 *	
10		2397 *	2392	2375	2380	2384	2388
20		2421 *	2417	2401	2405	2409	2413
				Trim = 3 deg			
-10	2601	2597	2592	2587	2605	2609	2613 *
0	2503	2499	2495	2479	2483	2487	2491
10	2537	2521	2517	2509	2513	2542	2547
20	2580	2576	2572	2568	2563 2564	2559	2554
				Trim = 6 deg			
-10	3311	3307	3303	3286	3291	3295	3299
0	2660	2656	2652	2617 2618	2622	2644	2648
10	2690	2685	2681	2665	2669	2673	2677
20	2703	2698	2707	2711	2715	2719	2740

* Indicates model was close to heave stop

TABLE 2.124

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.124

10 deg deadrise - L/R = 0.234

Cv = 4

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	2474	2468 2469	2461	2430	2434		
0	2352	2347	2343	2322 2323 2324 2326 2327 2328	2333	2339 *	
10			2394	2376 2377	2381	2385	2389
20			2418	2402	2406	2410	2414
				Trim = 3 deg			
-10	2602	2598	2593	2588	2606	2610	
0	2504	2500	2496	2480	2484	2488	2492
10	2538	2522	2518	2510	2514	2543 2544	2548 2549
20		2577	2573	2569	2565	2560	2555
				Trim = 6			
-10	3312	3308	3304	3287	3292	3296	
0	2661	2657	2653	2619	2623	2645	2649
10	2691 2743	2686 2687	2682	2666	2670	2674	2678
20	2704	2699 2700	2708	2712	2716 2737	2736	2741

* Indicates model was close to heave stop

TABLE 2.200.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.200

20 deg deadrise - L/R = 0

Cv = 0

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = -2 deg			
-10				1708	1712	1715	1717
0				1644	1649	1652	1655
10				1659	1663	1682	1687
20				1691	1695	1700	1702
				Trim = 0 deg			
-10				1626	1630	1634	1638
0				1558	1563	1567	1571
10				1578	1581	1587	1590
20				1606	1610	1614	1618
				Trim = 3 deg			
-10				1396	1392	1389	1383
0				1401 1404	1408	1412	1416
10				1435	1441	1444	1448
20				1456	1460	1464	1468

* Indicates model was close to heave stop

TABLE 2.200.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.200

20 deg deadrise - L/R = 0

Cv = 0

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 6 deg			
-10				1540	1544	1548	1552
0				1475	1479	1483	1487
10				1493	1497	1501	1505
20				1521	1526	1529	1533

* Indicates model was close to heave stop

TABLE 2.201.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.201

20 deg deadrise - L/R = 0

Cv = 1.5

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = -2 deg			
-10				1709	1713	1716 *	1718 *
0				1645	1648	1653	1656 *
10				1660	1664 1681	1683	1686 *
20				1692	1696	1699	1703 *
				Trim = 0 deg			
-10				1627	1631	1635	1639 *
0				1560	1564	1568	1572 *
10				1577	1582	1586	1591
20				1607	1611	1615	1619
				Trim = 3 deg			
-10				1397	1393	1390	
0				1405	1409	1413	1417
10				1436	1440	1445	1449
20				1457	1461	1465	1469

* Indicates model was close to heave stop

TABLE 2.201.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.201

20 deg deadrise - L/R = 0

Cv = 1.5

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 6 deg			
-10				1541	1545	1549	1553
0				1476	1480	1484	1488
10				1494	1498	1502	1506
20				1522	1525	1530	1534

* Indicates model was close to heave stop

TABLE 2.203.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.203

20 deg deadrise - L/R = 0

Cv = 3

YAW, deg ⇨	-10	-5	0	5	10	13	15
ROLL, deg ⇩			Trim = -2 deg				
-10			1710	1714 *			
0			1646	1650 *	1654 * 1721 *		
10			1661	1665 1680	1684 *		1688 *
20			1693	1697	1701 *		
			Trim = 0 deg				
-10			1628	1632	1636 *		1640 *
0			1561	1565	1569 *		1573 *
10			1579	1583	1588		1592 *
20			1608	1612	1616		1620
			Trim = 3 deg				
-10			1398	1394	1391	1400	1388
0			1406	1410	1414		1418
10			1437	1442	1446		1450
20			1458	1462	1466		1470

* Indicates model was close to heave stop

TABLE 2.203.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.203

20 deg deadrise - L/R = 0

Cv = 3

YAW, deg →	-10	-5	0	5	10	13	15
ROLL, deg ↓			Trim = 6 deg				
-10			1542	1546	1550		1554
0			1477	1481	1485		1489
10			1495	1499	1503		1507
20			1523	1527	1531		1535

* Indicates model was close to heave stop

TABLE 2.204.1

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.204

20 deg deadrise - L/R = 0

Cv = 4

YAW, deg →	-10	-5	0	5	10	13	15
ROLL, deg ↓			Trim = -2 deg				
-10			1711 *				
0			1647 *	1651 *			
10			1662 *	1666 *			
20			1694 *	1698 *			
			Trim = 0 deg				
-10			1629	1633	1637 *		
0			1562	1566	1570 *		1574 *
10			1580	1584	1589		1593 *
20			1609	1613	1617		1621
			Trim = 3 deg				
-10			1399	1395	1385	1386	1384 *
0			1407	1411	1415		1419
10			1438	1443	1447		1451
20			1459	1463	1467		1471

* Indicates model was close to heave stop

TABLE 2.204.2

STRAIGHT COURSE RUN DIRECTORY
FOR TABLES nn.204

20 deg deadrise - L/R = 0

Cv = 4

YAW, deg →	-10	-5	0	5	10	13	15
ROLL, deg ↓			Trim = 6 deg				
-10			1543	1547	1551		1555
0			1478	1482	1486		1490
10			1496	1500	1504		1508
20			1524	1528	1532		1536

* Indicates model was close to heave stop

TABLE 2.210

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.210

20 deg deadrise - L/R = 0.117

Cv = 0

YAW, deg →	-15	-10	-8	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg				
-10		585	568	582	569	574	577	
0	468	464		459	439	446	450	454
10		534		530	471 517	475 522	525	
20		560		553 555	538	543	548	
				Trim = 3 deg				
-10	250	245		241	237	233	229	225
0	109	104		100	96	90	79 81 87	83
10	113 154	159		163	167	171 185	187	191
20	219	215		211		203 207	199	195
				Trim = 6 deg				
-10	419	415		411	393	397	401	405
0	295	291		287	267	273 277	282	283
10	299	304		308 321	324	328	322	336
20	364	360		356	340	344	348	352

* Indicates model was close to heave stop

TABLE 2.211

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.211

20 deg deadrise - L/R = 0.117

Cv = 1.5

YAW, deg ⇨	-15	-10	-5	0	5	10	15
ROLL, deg ⇩				Trim = 0 deg			
-10		586	581	570	573	578	
0	469 *	465	460	443	447	451	455 *
10		535	531	472 518	476 523	526	
20		561	556	539	544	549	
				Trim = 3 deg			
-10	251	246	242	238	234	230	226
0	108 110	105	101	97	91 92	88	86
10	114	160	164	168	172	188	192
20	220	216	212	204	208	200	196
				Trim = 6 deg			
-10	420	416	412 409	394	398	402	406
0	296	292	288	268	274	278	284
10	300	305	309	325	329	333	337
20	365	361	357	341	345	349	353

* Indicates model was close to heave stop

TABLE 2.213

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.213

20 deg deadrise - L/R = 0.117

Cv = 3

YAW, deg →	-15	-10	-8	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg				
-10		587		583	571	575	579 *	
0		466 *		461	444	448	452 *	456*
10		536		532	473	478	527 528	
20		562	567	557 558	540	546	550	
				Trim = 3 deg				
-10	252	247		243	239	235	231	227 *
0	111	106		102	98	94	89	85
10	115 155 156	161		165	169	173	189	193
20	221	217		213	209	205	201	197
				Trim = 6 deg				
-10	421	417		413	395	399	403	407
0	297	293		289	269	275	279 280	285
10	302	306		310	326	330	334	338
20	366	362		358	342	346	350	354

* Indicates model was close to heave stop

TABLE 2.214

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.214

20 deg deadrise - L/R = 0.117

Cv = 4

YAW, deg → / ROLL, deg ↓	-15	-14	-13	-10	-8	-5	0	5	10	15
					Trim = 0 deg					
-10				588		584	572	576 *	580 *	
0				467 *		462	445	449	453 *	457 *
10				537 *		533	474 519 520	479 521	529	
20				563	566 *	554 559	541	547 564	551 552 565	
					Trim = 3 deg					
-10	253			248 249		244	240	236	232	228 * 254 *
0	112			107		103	99	95	82	84
10	158			162		166	170	174 186	190	194
20	222	224	223	218		214	210	206	202	198
					Trim = 6 deg					
-10	422			418		414	396	400	404	408
0	298			294		290	270 272	276	281	286
10	303			307		311 322	327	331	335	339
20	367			363		359	343	347	351	355

* Indicates model was close to heave stop

TABLE 2.220

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.220

20 deg deadrise - L/R = 0.234

Cv = 0

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	2934	2930	2926	2912	2916	2920	2924
0	2830 2831	2825	2821	2797	2802	2816	
10	2859	2855	2851	2835	2839	2843	2847
20	2895	2889 2891	2890 2885	2864	2868	2872	2876
				Trim = 3 deg			
-10	3072	3068	3064	3047	3051	3056	3061
0	2967	2962	2958	2942	2946	2950	2954
10	2984	2980	2976	2972	2989	2993	2997
20	3042	3037	3033	3003	3007	3024	3029
				Trim = 6 deg			
-10	3198	3194	3190	3186	3202	3206	3210
0	3106	3101	3097	3079			3093
10	3150	3146	3142	3125	3129	3134	3138
20	3168	3164	3160	3156	3172	3176	3180

* Indicates model was close to heave stop

TABLE 2.221

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.221

20 deg deadrise - L/R = 0.234

Cv = 1.5

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	2935 2936	2931	2927	2913	2917	2921	2925 *
0	2832 *	2826	2822	2799	2803	2817	
10	2860 *	2856	2852	2836	2840	2844	2848 2849
20	2894 *	2890	2886	2865	2869	2873	2877
				Trim = 3 deg			
-10	3073	3069	3065	3048	3052	3057	3060
0	2968	2963	2959	2943	2947	2951	2955
10	2985 2986	2981	2977	2973	2990	2994	2998
20	3043	3038	3034	3004	3008	3025	3030
				Trim = 6 deg			
-10	3199	3195	3191	3187	3203	3207	3211 3212
0	3107	3102	3098	3082	3085	3090	3094
10	3151	3147	3143	3126	3130	3135	3139
20	3169	3165	3161	3157	3173	3177	3181

* Indicates model was close to heave stop

TABLE 2.223

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.223

20 deg deadrise - L/R = 0.234

Cv = 3

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10	2937 * 2939 *	2932	2928	2914	2918	2922 *	
0	2833 *	2828	2823	2800	2804	2818 *	
10		2857	2853	2837	2841	2845	2850 *
20	2896 *	2892	2887	2866	2870	2874	2878 2883
				Trim = 3 deg			
-10	3074	3070	3066	3049	3053 3054	3058	3062 *
0	2969	2964	2960	2944	2948	2953	2956
10	2987	2982	2978	2974	2991	2995	2999
20	3044	3039	3035	3005	3009	3026	3031
				Trim = 6 deg			
-10	3200	3196	3192	3188	3204	3208	3213
0	3108	3103 3104	3099	3081	3086	3091	3095
10	3152	3148	3144	3127	3131	3136	3140
20	3170	3166	3162	3158	3174	3178	3182

* Indicates model was close to heave stop

TABLE 2.224

ROTATING ARM RUN DIRECTORY
FOR TABLES nn.224

20 deg deadrise - L/R = 0.234

Cv = 4

YAW, deg →	-15	-10	-5	0	5	10	15
ROLL, deg ↓				Trim = 0 deg			
-10		2933	2929	2915	2919		
0		2829	2824	2801	2805	2820 *	
10		2858	2854	2838	2842	2846	
20		2893	2888	2867	2871	2875	2879 2884
				Trim = 3 deg			
-10	3075	3071	3067	3050	3055	3059	
0	2970	2965	2961	2945	2949	2952	2957
10	2988	2983	2979	2975	2992	2996	3000
20	3045	3040 3041	3036	3006	3010	3027 3028	3032
				Trim = 6 deg			
-10	3201	3197	3193	3189	3205	3209	
0	3109	3105	3100	3083	3087	3092	3096
10	3153	3149	3145	3128	3132	3137	3141
20	3171	3167	3163	3159	3175	3179	3183

* Indicates model was close to heave stop

TABLE 3

DIRECTORY OF STRAIGHT COURSE RUDDER RUNS
FOR TABLES 9 TO 12

10 deg deadrise - L/R = 0

Roll = Yaw = 0 deg

Trim = 3 deg

RUDDER, deg →	-20	-15	-10	-5	0	15	20
Cv = 1.5							
	2243	2224	2237	2240	2218	2221	
Cv = 3							
	2244	2225	2238	2241	2219	2222	
Cv = 4							
	2245 2246	2226 2236	2239	2242	2220	2223	

Cv = 4, C_{Δ} = 0.8183

2248 2249

---

20 deg deadrise - L/R = 0

Roll = Yaw = 0 deg

Trim = 3 deg

RUDDER, deg →	-20	-15	-10	-5	0	15	20
Cv = 1.5							
	2177	2197	2200	2203	2173		2182
Cv = 3							
	2178	2198	2201	2204	2174		2183
Cv = 4							
	2179	2199 2209	2202	2206	2175	2207 2208	2184 2185 2195

* Indicates model was close to heave stop

TABLE 4.101.1 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
2113		-2	-10	0	47.0	30.0	0.1	47.0	0.7	1.06	0.12	0.94	46.12
2117		-2	-10	5	47.0	25.0	0.9	47.0	1.0	2.37	1.03	1.34	46.33
2121		-2	-10	10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.77
2123	*	-2	-10	15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.96
2060		-2	0	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.18
2063		-2	0	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.19
2066		-2	0	5	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.34
2068		-2	0	10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.56
2071	*	-2	0	15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.97
2075		-2	10	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.09
2079		-2	10	5	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.12
2082		-2	10	10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.31
2084		-2	10	15	47.0	47.0	1.0	47.0	0.9	2.55	1.34	1.21	46.66
2091		-2	20	0	47.0	47.0	1.0	47.0	0.5	2.01	1.34	0.67	45.90
2095		-2	20	5	47.0	47.0	1.0	40.0	0.6	2.13	1.34	0.79	45.93
2099		-2	20	10	47.0	47.0	1.0	22.0	1.0	2.44	1.34	1.09	46.06
2102		-2	20	15	47.0	47.0	1.0	35.0	0.5	1.98	1.34	0.63	46.27
1830		0	-10	0	44.9	39.5	1.0	44.2	1.0	2.60	1.28	1.32	44.77
1834		0	-10	5	45.0	40.0	1.0	44.5	1.0	2.61	1.29	1.32	45.25
1840		0	-10	10	45.5	42.5	1.0	45.5	1.0	2.65	1.31	1.33	45.62
1844		0	-10	15	46.0	46.0	1.0	46.0	1.0	2.67	1.34	1.34	44.87
1761		0	0	0	44.9	42.4	1.0	43.0	1.0	2.78	1.39	1.39	44.69
1765		0	0	5	45.0	42.5	1.0	43.0	1.0	2.62	1.31	1.31	44.84
1769		0	0	10	45.3	43.5	1.0	44.0	1.0	2.64	1.32	1.32	45.40
1774		0	0	15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	44.81
1780		0	10	0	44.8	44.0	1.0	41.0	1.0	2.61	1.32	1.30	44.66
1784		0	10	5	45.0	44.0	1.0	41.2	1.0	2.62	1.32	1.30	44.66
1788		0	10	10	44.9	44.0	1.0	41.7	1.0	2.62	1.32	1.30	44.81
1789		0	10	10	44.9	43.8	1.0	41.2	1.0	2.62	1.32	1.30	44.81
1793		0	10	15	45.2	44.7	1.0	43.0	1.0	2.64	1.33	1.32	44.55
1810		0	21	0	44.5	44.5	1.0	40.0	0.7	2.22	1.32	0.90	43.96
1815		0	21	5	44.0	44.0	1.0	44.0	0.5	1.97	1.31	0.66	43.96
1820		0	21	10	44.4	44.2	1.0	30.0	1.0	2.49	1.32	1.17	44.05
1824		0	21	15	44.8	42.0	1.0	35.0	0.7	2.17	1.30	0.87	44.25
1919		3	-11	0	39.2	25.5	1.0	37.7	1.0	2.22	1.02	1.19	37.82
1923		3	-11	5	39.8	25.0	1.0	38.0	1.0	2.23	1.03	1.20	38.24
1927		3	-11	10	40.8	27.0	1.0	39.0	1.0	2.30	1.07	1.23	39.12
1931		3	-11	15	42.0	33.5	1.0	42.0	1.0	2.45	1.18	1.27	40.69
1851		3	0	0	39.0	33.0	1.0	33.5	1.0	2.26	1.13	1.13	38.69
1855		3	0	0	39.0	38.0	1.0	38.4	1.0	2.39	1.19	1.20	38.06
1857		3	0	5	39.2	38.3	1.0	38.8	1.0	2.40	1.20	1.21	38.24
1861		3	0	10	40.0	34.3	1.0	34.9	1.0	2.33	1.16	1.17	38.79
1865		3	0	15	40.8	36.0	1.0	36.3	1.0	2.39	1.19	1.20	39.80

* Indicates model was close to heave stop

TABLE 4.101.2 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
1881	3	10	0	39.0	36.8	1.0	27.5	1.0	2.23	1.18	1.05	37.83
1885	3	10	5	38.8	36.6	1.0	27.0	1.0	2.21	1.17	1.04	37.58
1889	3	10	10	38.9	35.8	1.0	28.0	1.0	2.22	1.16	1.06	37.71
1895	3	10	15	39.3	37.3	1.0	29.5	1.0	2.27	1.19	1.08	38.07
1901	3	21	0	34.0	34.0	1.0	0.0	0.8	1.50	1.07	0.43	36.59
1905	3	21	5	33.6	34.0	1.0	24.0	1.0	1.98	1.06	0.91	36.36
1909	3	21	10	39.0	39.0	1.0	22.0	1.0	2.17	1.21	0.97	36.19
1913	3	21	15	38.2	39.0	1.0	22.5	1.0	2.16	1.20	0.96	35.94
2023	6	-10	0	29.8	21.0	1.0	29.0	1.0	1.74	0.81	0.93	28.00
2027	6	-10	5	30.0	21.0	1.0	29.5	1.0	1.75	0.81	0.94	28.67
2031	6	-10	10	31.2	22.0	1.0	31.0	1.0	1.83	0.84	0.98	29.82
2035	6	-10	15	33.0	22.7	1.0	32.0	1.0	1.91	0.88	1.02	31.74
1964	6	0	0	28.5	24.0	1.0	24.2	1.0	1.67	0.83	0.84	27.17
1969	6	0	5	28.7	24.2	1.0	24.5	1.0	1.68	0.84	0.84	27.17
1973	6	0	10	29.9	25.3	1.0	25.3	1.0	1.75	0.87	0.87	28.03
1977	6	0	15	30.8	26.2	1.0	26.5	1.0	1.81	0.90	0.91	28.70
1983	6	10	0	29.0	28.2	1.0	20.0	1.0	1.68	0.91	0.78	26.00
1987	6	10	5	29.0	28.2	1.0	20.5	1.0	1.69	0.91	0.79	25.90
1991	6	10	10	28.9	28.3	1.0	20.6	1.0	1.69	0.91	0.79	25.90
1996	6	10	15	28.9	28.2	1.0	21.0	1.0	1.70	0.90	0.79	26.67
2003	6	20	0	29.0	31.8	1.0	18.0	1.0	1.71	0.96	0.75	25.65
2008	6	20	5	28.8	31.4	1.0	18.5	1.0	1.70	0.95	0.75	24.98
2012	6	20	10	29.0	31.5	1.0	17.0	1.0	1.69	0.96	0.73	24.88
2016	6	20	15	28.0	31.0	1.0	17.0	1.0	1.65	0.93	0.71	24.12

* Indicates model was close to heave stop

TABLE 4.103.1 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
2114		-2	-10	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.44
2118		-2	-10	5	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.86
2064		-2	0	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.40
2067		-2	0	5	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.88
2076		-2	10	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.31
2080		-2	10	5	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.58
2092		-2	20	0	47.0	47.0	1.0	40.0	0.7	2.26	1.34	0.92	46.12
2096		-2	20	5	47.0	47.0	1.0	35.0	0.8	2.36	1.34	1.01	45.92
2100		-2	20	10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.13
2103		-2	20	15	45.2	45.0	1.0	36.0	1.0	2.58	1.33	1.25	45.24
1831		0	-10	0	44.3	38.0	1.0	43.0	1.0	2.57	1.26	1.31	44.01
1835		0	-10	5	45.5	41.5	1.0	44.7	1.0	2.64	1.31	1.33	45.64
1841		0	-10	10	46.0	42.5	1.0	46.0	1.0	2.66	1.32	1.34	45.64
1845		0	-10	15									44.69
1762		0	0	0	44.3	41.0	1.0	42.0	1.0	2.59	1.29	1.30	44.09
1766		0	0	5	45.0	42.0	1.0	42.8	1.0	2.62	1.31	1.31	44.62
1770	*	0	0	10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	45.81
1775	*	0	0	15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	44.62
1781		0	10	0	44.2	42.8	1.0	43.5	1.0	2.61	1.30	1.31	44.01
1785		0	10	5	44.3	43.0	1.0	39.0	1.0	2.58	1.31	1.27	44.20
1790		0	10	10	43.8	42.1	1.0	37.1	1.0	2.54	1.29	1.25	43.64
1794		0	10	15	42.5	40.8	1.0	33.0	1.0	2.45	1.27	1.18	42.74
1811		0	21	0	43.4	43.8	1.0	40.0	0.7	2.19	1.31	0.89	43.04
1816		0	21	5	43.8	43.3	1.0	28.0	1.0	2.44	1.30	1.13	42.99
1821		0	21	10	41.7	41.5	1.0	13.0	1.0	2.13	1.27	0.87	41.11
1825		0	21	15	36.0	38.0	1.0	0.0	0.6	1.50	1.15	0.34	35.79
1920		3	-11	0	34.7	18.0	1.0	33.2	1.0	1.90	0.84	1.07	33.77
1924		3	-11	5	36.7	19.5	1.0	35.0	1.0	2.01	0.89	1.12	35.54
1928		3	-11	10	40.0	28.0	1.0	38.3	1.0	2.28	1.07	1.21	38.69
1933		3	-11	15	44.0	39.0	1.0	43.5	1.0	2.58	1.27	1.31	43.08
1852		3	0	0	34.4	26.0	1.0	26.0	1.0	1.91	0.96	0.96	35.02
1858		3	0	5	34.5	26.0	1.0	26.5	1.0	1.92	0.96	0.97	33.99
1862		3	0	10	34.8	26.8	1.0	27.1	1.0	1.95	0.97	0.98	34.48
1866		3	0	15	36.8	29.4	1.0	30.0	1.0	2.10	1.04	1.05	36.48

* Indicates model was close to heave stop

TABLE 4.103.2 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.000, Cv = 3

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
1882	3	10	0	33.9	31.7	1.0	19.0	1.0	1.87	1.03	0.84	33.35
1886	3	10	5	30.6	29.6	1.0	17.0	1.0	1.71	0.95	0.76	28.99
1890	3	10	10	25.3	24.8	1.0	12.0	1.0	1.39	0.79	0.59	22.68
1891	3	10	10	25.3	24.9	1.0	12.0	1.0	1.39	0.80	0.59	22.68
1896	3	10	15	20.2	19.3	1.0	7.0	1.0	1.06	0.63	0.43	16.76
1902	3	21	0	34.5	36.2	1.0	12.5	1.0	1.85	1.11	0.75	30.28
1906	3	21	5	34.0	30.1	1.0	12.0	1.0	1.74	1.01	0.73	24.55
1910	3	21	10	21.0	29.0	1.0	3.0	1.0	1.18	0.79	0.38	13.66
1914	3	21	15	15.0	24.0	1.0	0.0	0.7	0.79	0.62	0.17	5.44
2024	6	-10	0	17.4	9.0	1.0	17.0	1.0	0.96	0.42	0.55	15.86
2028	6	-10	5	20.2	16.8	1.0	20.0	1.0	1.23	0.59	0.64	18.82
2032	6	-10	10	22.4	14.0	1.0	22.5	1.0	1.29	0.58	0.71	21.50
2036	6	-10	15	27.0	17.5	1.0	27.0	1.0	1.56	0.71	0.86	25.80
1965	6	0	0	14.8	10.0	1.0	10.0	1.0	0.79	0.39	0.39	13.30
1970	6	0	5	15.3	10.6	1.0	10.6	1.0	0.82	0.41	0.41	13.30
1974	6	0	10	15.3	10.5	1.0	10.7	1.0	0.82	0.41	0.41	13.39
1978	6	0	15	16.2	6.5	1.0	6.5	1.0	0.72	0.36	0.36	13.97
1984	6	10	0	16.7	16.0	1.0	8.5	1.0	0.92	0.52	0.40	13.85
1988	6	10	5	14.0	13.4	1.0	6.0	1.0	0.75	0.43	0.32	10.31
1992	6	10	10	11.0	11.0	1.0	3.0	1.0	0.57	0.35	0.22	7.91
1997	6	10	15	10.0	10.0	1.0	2.0	1.0	0.51	0.32	0.19	7.44
2004	6	20	0	19.0	23.4	1.0	6.0	1.0	1.07	0.67	0.40	15.70
2009	6	20	5	15.6	19.7	1.0	3.5	1.0	0.86	0.56	0.30	11.97
2013	6	20	10	11.0	15.2	1.0	0.0	0.8	0.56	0.42	0.14	6.61
2017	6	20	15	9.0	12.5	1.0	0.0	0.6	0.43	0.34	0.09	4.22

* Indicates model was close to heave stop

TABLE 4.104.1 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
2115		-2	-10	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.83
2077		-2	10	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.89
2093	*	-2	20	0	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.90
2097	*	-2	20	5	47.0	47.0	1.0	40.0	0.5	2.00	1.34	0.66	46.86
2105		-2	20	10	47.0	47.0	1.0	45.0	1.0	2.68	1.34	1.34	46.02
2107		-2	20	10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.71
2109		-2	20	12	44.3	44.0	1.0	20.0	0.9	2.23	1.31	0.92	45.02
2104		-2	20	15	42.2	42.0	1.0	0.0	0.3	1.48	1.28	0.20	42.66
1832		0	-10	0	44.7	38.0	1.0	43.6	1.0	2.58	1.27	1.31	44.62
1836		0	-10	5	46.2	46.0	1.0	46.0	1.0	2.68	1.34	1.34	45.64
1842		0	-10	10	46.0	44.0	1.0	46.0	1.0	2.66	1.33	1.34	45.67
1846		0	-10	15	46.0	43.0	1.0	46.0	1.0	2.66	1.32	1.34	44.98
1763		0	0	0	44.8	42.2	1.0	42.8	1.0	2.62	1.31	1.31	45.08
1767		0	0	5	45.0	43.0	1.0	43.5	1.0	2.63	1.31	1.32	45.86
1772	*	0	0	10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	45.88
1776	*	0	0	15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	44.83
1782		0	10	0	44.8	43.5	1.0	40.3	1.0	2.60	1.31	1.29	44.74
1786		0	10	5	43.5	41.8	1.0	35.5	1.0	2.51	1.29	1.22	43.72
1791		0	10	10	41.5	39.0	1.0	24.0	1.0	2.27	1.24	1.04	41.75
1795		0	10	15	39.2	36.0	1.0	5.0	1.0	1.87	1.17	0.70	39.85
1812		0	21	0	44.2	44.0	1.0	20.0	1.0	2.33	1.31	1.02	43.75
1818		0	21	5	42.9	42.5	1.0	24.0	1.0	2.35	1.29	1.06	42.52
1822		0	21	10	37.0	38.2	1.0	0.0	0.5	1.46	1.17	0.29	37.12
1826		0	21	15	18.0	34.0	1.0	0.0	0.2	0.89	0.84	0.06	0.00
1921		3	-11	0	29.2	16.0	1.0	29.0	1.0	1.64	0.72	0.92	27.78
1925		3	-11	5	34.3	16.0	1.0	33.3	1.0	1.86	0.80	1.06	33.62
1929		3	-11	10	39.1	25.0	1.0	37.6	1.0	2.20	1.01	1.19	38.58
1934		3	-11	15	44.0	38.5	1.0	43.0	1.0	2.57	1.26	1.30	43.15
1853		3	0	0	26.2	17.5	1.0	17.5	1.0	1.39	0.69	0.69	26.94
1859		3	0	5	27.0	18.0	1.0	18.5	1.0	1.44	0.71	0.72	26.94
1863		3	0	10	26.6	18.0	1.0	18.0	1.0	1.42	0.71	0.71	26.94
1867		3	0	15	29.3	20.6	1.0	21.0	1.0	1.59	0.79	0.80	29.62

* Indicates model was close to heave stop

TABLE 4.104.2 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
1883	3	10	0	27.9	27.2	1.0	13.0	1.0	1.52	0.87	0.65	26.88
1887	3	10	5	20.3	19.7	1.0	5.0	1.0	1.04	0.63	0.40	18.29
1893	3	10	10	16.2	15.6	1.0	1.0	1.0	0.78	0.50	0.27	13.70
1897	3	10	15	13.4	12.8	1.0	0.0	0.8	0.59	0.42	0.17	11.22
1903	3	21	0	34.2	30.0	1.0	10.0	1.0	1.71	1.01	0.70	25.89
1907	3	21	5	20.3	23.6	1.0	0.0	0.5	0.86	0.70	0.16	14.04
1911	3	21	10	11.9	21.1	1.0	0.0	0.6	0.64	0.52	0.11	4.49
1915	3	21	15	7.0	15.4	1.0	0.0	0.3	0.39	0.36	0.03	0.00
2025	6	-10	0	9.8	0.0	1.0	9.8	1.0	0.47	0.16	0.31	9.06
2029	6	-10	5	13.0	4.0	1.0	13.0	1.0	0.68	0.27	0.41	12.03
2033	6	-10	10	16.0	6.5	1.0	16.0	1.0	0.86	0.36	0.51	15.38
2037	6	-10	15	21.0	12.0	1.0	21.0	1.0	1.19	0.52	0.67	20.26
1966	6	0	0	7.9	2.8	1.0	2.8	1.0	0.34	0.17	0.17	6.60
1971	6	0	5	7.7	2.7	1.0	3.0	1.0	0.33	0.17	0.17	6.70
1975	6	0	10	8.0	3.0	1.0	3.3	1.0	0.35	0.17	0.18	6.89
1979	6	0	15	8.5	3.6	1.0	3.6	1.0	0.38	0.19	0.19	7.37
1985	6	10	0	9.5	9.5	1.0	0.0	1.0	0.45	0.30	0.15	6.96
1989	6	10	5	8.0	8.0	1.0	0.0	0.9	0.37	0.25	0.11	5.52
1994	6	10	10	7.0	6.7	1.0	0.0	0.7	0.30	0.22	0.08	5.52
1998	6	10	15	6.2	6.0	1.0	0.0	0.6	0.25	0.19	0.06	4.76
2005	6	20	0	13.0	17.1	1.0	0.0	0.8	0.64	0.48	0.17	9.58
2010	6	20	5	9.0	13.1	1.0	0.0	0.6	0.44	0.35	0.09	5.56
2014	6	20	10	5.5	9.7	1.0	0.0	0.4	0.28	0.24	0.03	1.92
2018	6	20	15	3.8	8.2	1.0	0.0	0.3	0.21	0.19	0.02	0.68

* Indicates model was close to heave stop

TABLE 4.111.1 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.117, Cv = 1.5

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in new
754	0	-10	-15	46.1	44.0	1.0	46.0	1.0	2.67	1.33	1.34	45.31
750	0	-10	-10	45.5	43.2	1.0	45.0	1.0	2.65	1.32	1.33	45.11
746	0	-10	-5	45.3	43.0	1.0	45.0	1.0	2.64	1.32	1.33	45.05
733	0	-10	0	45.4	42.0	1.0	44.8	1.0	2.64	1.31	1.33	45.01
737	0	-10	5	45.3	42.6	1.0	45.0	1.0	2.64	1.31	1.33	45.13
741	0	-10	10	46.0	44.0	1.0	45.6	1.0	2.66	1.33	1.34	45.48
665	0	0	-10	46.0	45.0	1.0	45.0	1.0	2.67	1.33	1.33	45.53
661	0	0	-5	45.2	44.0	1.0	44.0	1.0	2.64	1.32	1.32	45.34
649	0	0	0	45.0	43.2	1.0	43.2	1.0	2.63	1.31	1.31	45.21
652	0	0	5	45.0	43.8	1.0	43.8	1.0	2.64	1.32	1.32	45.26
657	0	0	10	45.5	44.2	1.0	44.2	1.0	2.65	1.33	1.33	45.41
690	0	10	-10	46.0	45.3	1.0	45.0	1.0	2.67	1.33	1.33	45.67
686	0	10	-5	45.5	44.0	1.0	43.0	1.0	2.64	1.32	1.32	45.36
669	0	10	0	45.0	44.3	1.0	42.5	1.0	2.63	1.32	1.31	45.25
673	0	10	5	45.0	44.4	1.0	42.0	1.0	2.63	1.32	1.31	45.24
677	0	10	10	46.0	46.0	1.0	46.0	1.0	2.67	1.34	1.34	45.31
682	0	10	15	45.7	45.0	1.0	44.0	1.0	2.66	1.33	1.33	45.47
729	0	20	-10	46.0	46.0	1.0	34.0	0.8	2.33	1.34	0.99	45.39
725	0	20	-5	45.0	45.0	1.0	35.0	0.6	2.07	1.33	0.74	45.04
708	0	20	0	45.0	45.0	1.0	32.0	0.5	1.93	1.33	0.60	44.83
712	0	20	5	45.0	45.0	1.0	25.0	0.5	1.88	1.33	0.55	44.87
716	0	20	10	44.8	44.8	1.0	23.0	0.5	1.86	1.32	0.54	44.91
721	0	20	15	44.7	44.7	1.0	17.0	0.7	2.01	1.32	0.69	44.99
884	3	-10	-15	40.2	31.5	1.0	39.0	1.0	2.35	1.13	1.22	39.92
888	3	-10	-10	40.0	29.6	1.0	38.4	1.0	2.31	1.10	1.21	39.53
892	3	-10	-5	40.0	29.0	1.0	38.3	1.0	2.30	1.09	1.21	39.68
896	3	-10	0	40.0	29.0	1.0	38.2	1.0	2.30	1.09	1.21	39.63
900	3	-10	5	40.2	31.0	1.0	38.7	1.0	2.34	1.12	1.22	40.06
904	3	-10	10	41.1	32.6	1.0	39.8	1.0	2.39	1.15	1.24	40.96
908	3	-10	15	43.0	35.0	1.0	42.0	1.0	2.50	1.21	1.29	42.43
803	3	0	-15	41.1	37.0	1.0	37.2	1.0	2.42	1.21	1.21	41.05
799	3	0	-10	40.4	35.7	1.0	36.0	1.0	2.37	1.18	1.19	40.58
795	3	0	-5	40.0	35.0	1.0	35.0	1.0	2.34	1.17	1.17	39.99
760	3	0	0	39.8	34.6	1.0	34.9	1.0	2.32	1.16	1.16	39.26
764	3	0	5	40.0	34.6	1.0	35.2	1.0	2.33	1.16	1.17	39.51
768	3	0	10	40.6	34.9	1.0	36.1	1.0	2.37	1.18	1.19	39.99
809	3	0	10	40.3	36.0	1.0	36.1	1.0	2.37	1.19	1.19	40.71
772	3	0	15	41.8	32.4	1.0	33.0	1.0	2.33	1.16	1.17	41.00
789	3	0	15	42.0	37.9	1.0	38.3	1.0	2.47	1.23	1.24	41.50

* Indicates model was close to heave stop

TABLE 4.111.2 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.117, Cv = 1.5

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
837	3	10	-15	42.2	40.2	1.0	35.0	1.0	2.46	1.26	1.20	41.62
833	3	10	-10	40.3	38.3	1.0	30.0	1.0	2.32	1.21	1.11	40.29
840	3	10	-10	41.0	39.2	1.0	31.0	1.0	2.36	1.23	1.13	41.00
830	3	10	-5	39.8	37.6	1.0	29.0	1.0	2.28	1.20	1.08	39.73
812	3	10	0									39.68
813	3	10	0	39.2	37.1	1.0	28.0	1.0	2.24	1.18	1.06	39.58
817	3	10	5	39.3	37.0	1.0	27.0	1.0	2.23	1.18	1.05	39.43
821	3	10	10	39.7	37.7	1.0	30.0	1.0	2.30	1.20	1.10	39.58
825	3	10	15	40.0	38.0	1.0	31.0	1.0	2.32	1.21	1.12	39.87
876	3	20	-15	42.2	42.2	1.0	10.0	1.0	2.11	1.28	0.83	41.41
871	3	20	-10	41.0	41.0	1.0	5.0	1.0	1.98	1.25	0.73	39.86
854	3	20	-5	40.0	40.0	1.0	0.0	1.0	1.86	1.23	0.63	39.09
842	3	20	0	40.0	40.0	1.0	0.0	1.0	1.86	1.23	0.63	38.81
846	3	20	5	44.5	44.5	1.0	21.0	1.0	2.36	1.32	1.04	38.70
850	3	20	10	39.0	39.0	1.0	22.0	1.0	2.17	1.21	0.97	38.41
879	3	20	15	39.5	39.5	1.0	23.7	1.0	2.22	1.22	1.00	38.35
1054	6	-10	-15	31.6	23.0	1.0	31.3	1.0	1.86	0.87	0.99	30.49
1050	6	-10	-10	31.4	23.0	1.0	31.1	1.0	1.85	0.86	0.99	30.40
1045	6	-10	-5	31.2	22.0	1.0	31.0	1.0	1.83	0.84	0.98	30.30
1012	6	-10	0	31.0	21.8	1.0	30.2	1.0	1.80	0.84	0.97	30.30
1034	6	-10	0	31.0	21.8	1.0	30.7	1.0	1.81	0.84	0.97	30.21
1039	6	-10	5	32.1	23.0	1.0	31.7	1.0	1.88	0.87	1.01	31.64
1016	6	-10	10	33.1	24.2	1.0	32.2	1.0	1.94	0.91	1.03	32.88
1020	6	-10	15	35.7	26.0	1.0	34.3	1.0	2.07	0.98	1.10	35.09
1038	6	-10	15	36.4	27.8	1.0	35.5	1.0	2.14	1.01	1.12	35.15
938	6	0	-15	32.0	27.0	1.0	27.9	1.0	1.88	0.93	0.95	31.95
934	6	0	-10	31.1	26.0	1.0	26.8	1.0	1.82	0.90	0.92	31.09
930	6	0	-5	30.4	25.4	1.0	26.0	1.0	1.78	0.88	0.89	30.61
913	6	0	0	30.4	25.5	1.0	26.0	1.0	1.78	0.89	0.89	30.42
918	6	0	5	31.0	26.0	1.0	26.0	1.0	1.81	0.90	0.90	31.00
922	6	0	10	31.0	26.2	1.0	26.6	1.0	1.82	0.91	0.91	31.38
926	6	0	15	32.6	27.6	1.0	28.0	1.0	1.91	0.95	0.96	32.72
979	6	10	-15	33.5	32.5	1.0	24.5	1.0	1.96	1.04	0.92	33.07
975	6	10	-10	31.8	31.0	1.0	24.0	1.0	1.88	0.99	0.88	31.45
971	6	10	-5	30.3	30.0	1.0	22.0	1.0	1.78	0.95	0.83	30.30
955	6	10	0	30.2	29.7	1.0	22.3	1.0	1.78	0.95	0.83	30.01
959	6	10	5	30.2	29.2	1.0	22.0	1.0	1.77	0.94	0.83	30.11
963	6	10	10	30.0	29.0	1.0	21.7	1.0	1.75	0.93	0.82	29.82
967	6	10	15	30.1	29.2	1.0	22.0	1.0	1.76	0.94	0.83	29.82
1003	6	20	-15	29.0	30.2	1.0	10.0	1.0	1.56	0.94	0.62	32.63
999	6	20	-10	32.0	34.0	1.0	10.0	1.0	1.71	1.04	0.67	30.15
995	6	20	-5	30.4	32.7	1.0	14.0	1.0	1.70	1.00	0.70	28.62
983	6	20	0	30.0	32.3	1.0	18.0	1.0	1.75	0.98	0.76	27.75
987	6	20	5	29.0	31.9	1.0	17.0	1.0	1.69	0.96	0.73	27.37
991	6	20	10	29.5	32.0	1.0	17.7	1.0	1.7	0.97	0.75	27.37
1007	6	20	15	27.0	31.5	1.0	17.7	1.0	1.	0.93	0.71	26.22

* Indicates model was close to heave stop

TABLE 4.113.1 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
755		0	-10	-15									43.56
758		0	-10	-15	44.1	38.5	1.0	43.0	1.0	2.57	1.26	1.30	43.52
751		0	-10	-10	45.0	41.6	1.0	44.1	1.0	2.62	1.30	1.32	44.66
747		0	-10	-5	45.2	42.0	1.0	44.2	1.0	2.63	1.31	1.32	44.92
734		0	-10	0	45.0	41.0	1.0	44.2	1.0	2.62	1.30	1.32	44.88
738		0	-10	5	45.8	44.0	1.0	45.0	1.0	2.66	1.33	1.33	45.32
742		0	-10	10	46.7	46.7	1.0	46.7	1.0	2.68	1.34	1.34	45.92
666	*	0	0	-10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.12
662		0	0	-5	45.2	43.9	1.0	43.9	1.0	2.64	1.32	1.32	45.27
650		0	0	0	45.0	42.9	1.0	42.9	1.0	2.63	1.31	1.31	45.08
654		0	0	5	45.3	44.0	1.0	44.0	1.0	2.64	1.32	1.32	45.38
658	*	0	0	10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	46.14
691	*	0	10	-10	46.7	46.7	1.0	46.7	1.0	2.68	1.34	1.34	46.11
687		0	10	-5	45.5	44.8	1.0	43.0	1.0	2.65	1.33	1.32	45.35
670		0	10	0	44.7	43.5	1.0	40.0	1.0	2.60	1.31	1.29	44.98
674		0	10	5	45.0	44.0	1.0	41.0	1.0	2.62	1.32	1.30	45.08
678		0	10	10	44.8	43.6	1.0	41.0	1.0	2.61	1.32	1.30	45.03
683		0	10	15	43.5	42.2	1.0	38.0	1.0	2.52	1.29	1.23	44.12
730	*	0	20	-10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	45.92
726		0	20	-5	45.5	45.0	1.0	45.0	1.0	2.66	1.33	1.33	45.06
709		0	20	0	45.0	44.0	1.0	25.0	0.5	1.87	1.32	0.55	44.03
713		0	20	5	44.0	44.0	1.0	31.0	1.0	2.49	1.31	1.18	43.95
717		0	20	10	42.5	42.0	1.0	7.0	1.0	2.07	1.28	0.79	42.12
718		0	20	10	42.2	42.2	1.0	0.0	1.0	1.95	1.28	0.67	42.02
722		0	20	15	39.0	39.0	1.0	0.0	0.5	1.51	1.21	0.31	38.74
885		3	-10	-15	24.0	9.0	1.0	25.0	1.0	1.30	0.52	0.78	27.46
889		3	-10	-10	30.0	14.0	1.0	29.4	1.0	1.64	0.70	0.94	32.04
893		3	-10	-5	34.8	20.0	1.0	33.1	1.0	1.94	0.87	1.07	36.24
897		3	-10	0	37.0	23.0	1.0	35.0	1.0	2.08	0.95	1.13	37.45
901		3	-10	5	38.0	25.0	1.0	36.0	1.0	2.15	1.00	1.15	38.53
905		3	-10	10	41.0	31.5	1.0	39.5	1.0	2.37	1.14	1.24	40.83
909	*	3	-10	15	44.5	41.0	1.0	44.0	1.0	2.61	1.29	1.32	44.39
804		3	0	-15	36.8	29.4	1.0	29.8	1.0	2.09	1.04	1.05	37.64
800		3	0	-10	36.3	28.3	1.0	29.1	1.0	2.05	1.02	1.03	37.32
796		3	0	-5	34.9	28.0	1.0	28.6	1.0	2.00	0.99	1.00	37.12
761		3	0	0	36.3	27.4	1.0	28.9	1.0	2.04	1.01	1.03	36.33
806		3	0	0	35.6	27.0	1.0	28.0	1.0	2.00	0.99	1.00	37.12
765		3	0	5	35.4	28.0	1.0	28.0	1.0	2.00	1.00	1.00	36.48
807		3	0	5	36.2	28.0	1.0	29.0	1.0	2.04	1.01	1.03	37.45
769		3	0	10	36.2	28.8	1.0	29.0	1.0	2.05	1.03	1.03	36.98
808		3	0	10	36.3	29.0	1.0	29.7	1.0	2.07	1.03	1.04	37.83
773		3	0	15	39.0	32.5	1.0	33.4	1.0	2.25	1.12	1.13	38.63
788		3	0	15	38.1	31.8	1.0	32.7	1.0	2.21	1.10	1.11	38.90

* Indicates model was close to heave stop

TABLE 4.113.2 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Wetted Areas: Total A_{TOT} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
838	3	10	-15	44.0	42.0	1.0	38.0	1.0	2.55	1.30	1.26	42.39
834	3	10	-10	38.9	36.5	1.0	27.0	1.0	2.21	1.17	1.04	38.92
831	3	10	-5	36.2	34.1	1.0	22.0	1.0	2.03	1.10	0.92	37.05
814	3	10	0	35.0	32.6	1.0	20.0	1.0	1.94	1.06	0.87	36.16
818	3	10	5	30.7	29.5	1.0	15.7	1.0	1.69	0.95	0.74	33.95
822	3	10	10	20.2	29.8	1.0	10.5	1.0	1.28	0.80	0.49	28.03
826	3	10	15	19.0	18.1	1.0	4.0	1.0	0.95	0.59	0.36	22.87
877 *	3	20	-15	45.0	44.2	1.0	36.0	1.0	2.57	1.32	1.25	43.92
872	3	20	-10	40.2	40.2	1.0	15.0	1.0	2.11	1.23	0.88	39.46
855	3	20	-5	37.0	38.0	1.0	5.0	1.0	1.83	1.17	0.67	36.77
868	3	20	-5	37.0	37.9	1.0	3.0	1.0	1.80	1.17	0.63	36.15
843	3	20	0	34.3	36.1	1.0	10.0	1.0	1.81	1.10	0.70	34.50
847	3	20	5	33.0	29.0	1.0	7.0	1.0	1.61	0.98	0.63	29.04
851	3	20	10	20.0	27.2	1.0	0.0	0.9	1.04	0.75	0.29	18.92
880	3	20	15	13.5	20.9	1.0	0.0	0.6	0.67	0.55	0.13	11.47
1055	6	-10	-15	12.5	3.5	1.0	12.9	1.0	0.66	0.25	0.40	12.60
1051	6	-10	-10	15.3	6.2	1.0	15.7	1.0	0.83	0.34	0.49	14.90
1047	6	-10	-5	18.2	9.1	1.0	18.2	1.0	1.01	0.43	0.58	17.77
1013	6	-10	0	20.1	11.2	1.0	20.1	1.0	1.13	0.50	0.64	20.35
1057	6	-10	0	21.1	12.0	1.0	21.3	1.0	1.20	0.53	0.67	20.83
1041	6	-10	5	22.9	13.8	1.0	23.0	1.0	1.31	0.58	0.73	23.03
1017	6	-10	10	26.1	17.0	1.0	26.1	1.0	1.51	0.68	0.83	26.00
1021	6	-10	15	32.0	23.0	1.0	31.1	1.0	1.87	0.87	1.00	32.12
1037	6	-10	15	32.6	23.0	1.0	32.2	1.0	1.90	0.88	1.02	31.93
939	6	0	-15	17.1	12.8	1.0	13.0	1.0	0.95	0.47	0.48	18.46
935	6	0	-10	17.8	13.0	1.0	13.5	1.0	0.99	0.49	0.50	18.18
931	6	0	-5	17.1	12.0	1.0	12.4	1.0	0.93	0.46	0.47	17.99
914	6	0	0	17.1	12.0	1.0	12.5	1.0	0.93	0.46	0.47	17.70
919	6	0	5	18.0	13.0	1.0	18.0	1.0	1.06	0.49	0.57	18.08
923	6	0	10	17.0	12.5	1.0	12.6	1.0	0.94	0.47	0.47	17.99
927	6	0	15	18.1	12.9	1.0	13.0	1.0	0.99	0.49	0.49	18.75
980	6	10	-15	25.0	25.2	1.0	17.1	1.0	1.46	0.80	0.67	25.61
976	6	10	-10	22.0	21.6	1.0	13.7	1.0	1.26	0.69	0.57	22.84
972	6	10	-5	20.0	20.0	1.0	11.0	1.0	1.13	0.63	0.49	20.35
956	6	10	0	17.0	16.0	1.0	8.0	1.0	0.92	0.52	0.40	17.19
960	6	10	5	13.7	13.0	1.0	5.0	1.0	0.72	0.42	0.30	14.23
964	6	10	10	11.5	11.3	1.0	3.0	1.0	0.59	0.36	0.23	12.12
968	6	10	15	10.0	9.3	1.0	0.0	1.0	0.46	0.31	0.16	10.98
1004	6	20	-15	31.0	33.4	1.0	15.0	1.0	1.75	1.02	0.73	29.28
1000	6	20	-10	26.0	29.7	1.0	12.0	1.0	1.49	0.88	0.60	24.31
996	6	20	-5	22.5	26.5	1.0	9.7	1.0	1.29	0.78	0.51	21.06
984	6	20	0	18.5	22.5	1.0	7.0	1.0	1.06	0.65	0.40	17.90
988	6	20	5	13.9	17.8	1.0	0.0	1.0	0.72	0.50	0.22	12.26
992	6	20	10	10.0	14.0	1.0	0.0	0.8	0.51	0.38	0.13	8.91
1008	6	20	15	8.0	12.0	1.0	0.0	0.6	0.39	0.32	0.08	6.52

* Indicates model was close to heave stop

TABLE 4.114.1 - WETTED AREA DATA

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
756		0	-10	-15									40.91
757		0	-10	-15	41.5	21.0	1.0	38.9	1.0	2.23	0.99	1.24	40.86
752		0	-10	-10	43.1	35.0	1.0	41.7	1.0	2.50	1.21	1.28	42.65
748		0	-10	-5	45.0	41.0	1.0	44.0	1.0	2.62	1.30	1.32	44.81
735		0	-10	0	45.3	42.5	1.0	44.7	1.0	2.64	1.31	1.33	45.03
739		0	-10	5	46.8	46.2	1.0	46.6	1.0	2.68	1.34	1.34	45.93
743		0	-10	10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	45.93
667	*	0	0	-10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.12
663		0	0	-5	46.0	45.0	1.0	45.0	1.0	2.67	1.33	1.33	45.51
651		0	0	0	45.2	43.7	1.0	43.7	1.0	2.64	1.32	1.32	45.23
655		0	0	5	45.0	43.3	1.0	43.3	1.0	2.63	1.32	1.32	45.23
659	*	0	0	10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	46.13
692	*	0	10	-10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	46.10
688	*	0	10	-5	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	46.10
671		0	10	0	45.0	44.0	1.0	41.2	1.0	2.62	1.32	1.30	45.09
675		0	10	5	44.5	43.3	1.0	40.0	1.0	2.59	1.31	1.28	44.96
679		0	10	10									43.10
680		0	10	10	42.3	40.0	1.0	30.0	1.0	2.39	1.26	1.14	43.01
684		0	10	15	40.3	37.4	1.0	5.0	1.0	1.92	1.20	0.72	41.80
731	*	0	20	-10	46.5	46.5	1.0	46.5	1.0	2.68	1.34	1.34	45.92
727	*	0	20	-5	46.5	46.5	1.0	31.0	0.8	2.31	1.34	0.97	45.93
710		0	20	0	45.0	44.2	1.0	0.0	1.0	2.04	1.32	0.71	44.48
714		0	20	5	43.5	43.0	1.0	25.0	1.0	2.38	1.30	1.08	43.12
719		0	20	10	39.0	39.0	1.0	0.0	0.5	1.51	1.21	0.31	38.82
723		0	20	15	25.0	35.0	1.0	0.0	0.2	1.03	0.95	0.08	0.00
886		3	-10	-15	17.1	0.0	1.0	17.1	1.0	0.81	0.27	0.54	20.39
890		3	-10	-10	20.0	3.0	1.0	20.2	1.0	1.00	0.36	0.64	23.25
894		3	-10	-5	28.8	11.6	1.0	28.1	1.0	1.54	0.64	0.90	30.13
898		3	-10	0	33.4	17.0	1.0	32.0	1.0	1.83	0.80	1.03	35.10
902		3	-10	5	37.0	22.0	1.0	35.0	1.0	2.06	0.94	1.13	37.45
906		3	-10	10	41.0	31.5	1.0	39.0	1.0	2.37	1.14	1.23	41.00
910	*	3	-10	15	44.5	40.0	1.0	43.3	1.0	2.59	1.28	1.31	44.39
805		3	0	-15	30.5	22.0	1.0	23.0	1.0	1.68	0.83	0.85	33.99
801		3	0	-10	30.7	26.4	1.0	22.0	1.0	1.74	0.90	0.84	33.71
797		3	0	-5	30.3	21.2	1.0	21.7	1.0	1.64	0.82	0.83	33.40
762		3	0	0	30.5	21.9	1.0	21.9	1.0	1.66	0.83	0.83	31.91
793		3	0	0	31.0	22.0	1.0	22.4	1.0	1.69	0.84	0.85	33.85
766		3	0	5	30.8	20.8	1.0	21.4	1.0	1.65	0.82	0.83	31.72
792		3	0	5	29.3	20.0	1.0	20.9	1.0	1.58	0.78	0.80	33.23
770		3	0	10	31.2	21.7	1.0	22.5	1.0	1.69	0.84	0.85	32.67
791		3	0	10	31.4	22.5	1.0	23.0	1.0	1.72	0.86	0.86	34.36
774		3	0	15	34.5	26.0	1.0	26.9	1.0	1.93	0.96	0.97	35.85
787		3	0	15	34.1	25.3	1.0	26.0	1.0	1.89	0.94	0.95	36.01

* Indicates model was close to heave stop

TABLE 4.114.2 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.117, Cv = 4

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
839	3	10	-15	44.3	43.4	1.0	41.0	1.0	2.60	1.31	1.29	44.10
835	3	10	-10	37.6	35.0	1.0	24.0	1.0	2.11	1.13	0.98	37.83
829	3	10	-5	33.2	31.0	1.0	17.0	1.0	1.81	1.01	0.80	35.10
815	3	10	0	27.2	26.4	1.0	11.0	1.0	1.46	0.85	0.61	29.56
819	3	10	5	21.0	21.0	1.0	4.2	1.0	1.07	0.67	0.40	23.64
823	3	10	10	17.0	16.0	1.0	0.0	1.0	0.79	0.52	0.27	19.62
827	3	10	15	15.0	13.5	1.0	0.0	0.8	0.64	0.45	0.19	17.71
873	3	20	-10	41.2	41.0	1.0	20.0	1.0	2.23	1.26	0.97	39.96
874	3	20	-10	41.0	41.0	1.0	20.0	1.0	2.22	1.25	0.97	40.94
869	3	20	-5	36.2	27.2	1.0	10.0	1.0	1.74	1.00	0.73	35.15
844	3	20	0	29.8	33.9	1.0	4.0	1.0	1.54	1.01	0.54	28.85
848	3	20	5	19.0	27.3	1.0	0.0	0.7	0.95	0.74	0.21	18.54
852	3	20	10	11.0	19.3	1.0	0.0	0.4	0.55	0.48	0.07	9.36
881	3	20	15	7.0	14.5	1.0	0.0	0.2	0.36	0.34	0.02	4.59
1056	6	-10	-15	8.2	0.0	1.0	8.7	1.0	0.40	0.13	0.27	8.97
1052	6	-10	-10	9.3	0.0	1.0	9.3	1.0	0.44	0.15	0.30	9.92
1048	6	-10	-5	11.0	2.0	1.0	11.0	1.0	0.56	0.21	0.35	11.45
1014	6	-10	0	14.0	4.0	1.0	13.9	1.0	0.73	0.29	0.44	13.94
1043	6	-10	0	14.0	5.0	1.0	14.0	1.0	0.75	0.30	0.44	14.04
1042	6	-10	5	16.6	7.0	1.0	16.5	1.0	0.90	0.37	0.53	16.52
1018	6	-10	10	20.2	11.0	1.0	20.2	1.0	1.14	0.50	0.64	20.64
1022	6	-10	15	27.5	18.0	1.0	27.6	1.0	1.59	0.72	0.87	27.62
1036	6	-10	15	27.2	18.0	1.0	27.2	1.0	1.58	0.72	0.86	27.34
940	6	0	-15	10.0	5.0	1.0	5.6	1.0	0.49	0.24	0.25	11.67
936	6	0	-10	10.0	5.0	1.0	9.0	1.0	0.54	0.24	0.30	11.29
932	6	0	-5	14.4	4.3	1.0	4.3	1.0	0.59	0.30	0.30	11.00
915	6	0	0	10.0	4.4	1.0	10.4	1.0	0.55	0.23	0.32	11.19
916	6	0	0	9.5	4.2	1.0	4.2	1.0	0.43	0.22	0.22	11.10
920	6	0	5	10.0	4.5	1.0	4.5	1.0	0.46	0.23	0.23	11.00
924	6	0	10	10.0	5.0	1.0	5.0	1.0	0.48	0.24	0.24	11.48
928	6	0	15	10.5	5.0	1.0	5.0	1.0	0.49	0.25	0.25	11.67
981	6	10	-15	19.0	18.2	1.0	9.6	1.0	1.04	0.59	0.45	18.92
977	6	10	-10	15.5	15.0	1.0	6.0	1.0	0.83	0.48	0.34	15.95
973	6	10	-5	12.5	12.5	1.0	3.0	1.0	0.64	0.40	0.25	12.79
957	6	10	0	10.0	10.0	1.0	1.0	1.0	0.49	0.32	0.17	10.98
961	6	10	5	9.0	8.0	1.0	0.0	0.8	0.38	0.27	0.11	9.64
965	6	10	10	8.0	7.0	1.0	0.0	0.8	0.34	0.24	0.10	8.87
969	6	10	15	7.0	6.3	1.0	0.0	0.7	0.29	0.21	0.08	8.30
1005	6	20	-15	29.1	32.3	1.0	13.5	1.0	1.65	0.97	0.68	27.47
1001	6	20	-10	21.4	25.5	1.0	7.0	1.0	1.20	0.74	0.45	19.62
997	6	20	-5	16.2	20.6	1.0	0.0	1.0	0.84	0.58	0.26	14.93
985	6	20	0	13.0	17.0	1.0	0.0	1.0	0.68	0.48	0.21	11.49
989	6	20	5	7.7	11.8	1.0	0.0	1.0	0.43	0.31	0.12	6.61
993	6	20	10	5.3	9.8	1.0	0.0	0.4	0.27	0.24	0.03	4.32
1010	6	20	10	5.2	9.6	1.0	0.0	0.3	0.26	0.23	0.02	4.32
1009	6	20	15	4.0	8.0	1.0	0.0	0.2	0.20	0.19	0.01	3.07

* Indicates model was close to heave stop

TABLE 4.121.1 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel Lk in	Stbd Chine Lcs in	Stbd Beam Bs :	Port Chine Lcp in	Port Beam Bp :	Wetted Areas: Total Atot sq.ft	Stbd As sq.ft	Port Ap sq.ft	SKWL in
2472	0	-10	-15	46.0	44.8	0.9	46.0	1.0	2.54	1.20	1.34	45.35
2463	0	-10	-10	45.3	43.0	1.0	45.0	1.0	2.64	1.32	1.33	45.23
2459	0	-10	-5	45.2	42.5	1.0	44.6	1.0	2.64	1.31	1.33	45.15
2428	0	-10	0	44.5	40.0	0.8	43.5	1.0	2.34	1.03	1.31	44.32
2432	0	-10	5	45.3	42.5	1.0	44.8	1.0	2.64	1.31	1.33	45.04
2436	0	-10	10	46.0	37.0	1.0	45.0	1.0	2.61	1.27	1.33	45.34
2455 *	0	-10	15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.12
2349	0	0	-15	46.5	46.0	1.0	46.0	1.0	2.68	1.34	1.34	45.62
2345	0	0	-10	46.0	44.5	1.0	44.5	1.0	2.66	1.33	1.33	45.24
2341	0	0	-5	46.0	44.5	1.0	44.2	1.0	2.66	1.33	1.33	45.12
2316	0	0	0	45.0	43.5	1.0	43.5	1.0	2.63	1.32	1.32	45.06
2318	0	0	0	45.0	43.5	1.0	43.5	1.0	2.63	1.32	1.32	45.06
2330	0	0	5	45.2	44.0	1.0	44.0	1.0	2.64	1.32	1.32	45.07
2335	0	0	10	45.5	44.5	1.0	44.5	1.0	2.65	1.33	1.33	45.20
2396	0	10	-10	46.0	45.5	1.0	44.0	1.0	2.66	1.34	1.33	45.41
2391	0	10	-5	45.2	45.0	1.0	42.0	1.0	2.64	1.33	1.31	45.13
2374	0	10	0	45.0	44.0	1.0	39.0	1.0	2.60	1.32	1.28	44.55
2379	0	10	5	45.0	45.0	1.0	41.5	1.0	2.63	1.33	1.30	45.01
2383	0	10	10	45.5	44.8	1.0	41.5	1.0	2.64	1.33	1.31	45.12
2387	0	10	15	45.5	45.0	1.0	43.0	1.0	2.65	1.33	1.32	45.24
2423 *	0	20	-15	46.0	47.0	1.0	42.0	1.0	2.66	1.34	1.32	45.90
2420	0	20	-10	46.0	46.0	1.0	35.0	1.0	2.59	1.34	1.25	45.22
2416	0	20	-5	45.3	45.0	1.0	38.0	0.7	2.22	1.33	0.89	44.83
2400	0	20	0	44.5	44.2	1.0	35.0	0.5	1.93	1.32	0.62	44.11
2404	0	20	5	45.0	45.0	1.0	30.0	0.6	2.03	1.33	0.71	44.36
2408	0	20	10	44.6	44.6	1.0	30.0	0.8	2.26	1.32	0.94	44.40
2412	0	20	15	45.0	44.5	1.0	34.0	1.0	2.55	1.32	1.23	44.56
2600	3	-10	-15	40.3	32.5	1.0	39.0	1.0	2.36	1.14	1.22	39.78
2596	3	-10	-10	40.0	31.0	1.0	38.3	1.0	2.33	1.12	1.21	39.48
2591	3	-10	-5	40.0	31.0	1.0	38.2	1.0	2.32	1.12	1.21	39.48
2586	3	-10	0	40.0	31.0	1.0	38.4	1.0	2.33	1.12	1.21	39.73
2604	3	-10	5	40.7	32.0	1.0	38.9	1.0	2.37	1.14	1.23	40.11
2608	3	-10	10	41.7	34.4	1.0	40.0	1.0	2.44	1.19	1.25	40.96
2612	3	-10	15	43.3	38.0	1.0	42.0	1.0	2.54	1.25	1.29	42.47
2502	3	0	-15	40.8	36.5	1.0	36.2	1.0	2.39	1.20	1.19	40.26
2498	3	0	-10	40.0	36.0	1.0	35.2	1.0	2.35	1.18	1.17	39.75
2494	3	0	-5	39.8	35.0	1.0	34.2	1.0	2.32	1.17	1.16	39.46
2478	3	0	0	39.7	34.6	1.0	34.5	1.0	2.32	1.16	1.16	39.42
2482	3	0	5	40.0	35.0	1.0	35.0	1.0	2.34	1.17	1.17	39.85
2486	3	0	10	40.6	36.5	1.0	36.0	1.0	2.39	1.20	1.19	40.44
2490	3	0	15	42.0	38.0	1.0	38.0	1.0	2.46	1.23	1.23	41.46

* Indicates model was close to heave stop

TABLE 4.121.2 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.234, Cv = 1.5

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
2536	3	10	-15	41.4	41.0	1.0	31.0	1.0	2.40	1.26	1.14	40.96
2520	3	10	-10	41.0	39.0	1.0	32.0	1.0	2.38	1.23	1.14	39.87
2516	3	10	-5	35.9	38.0	1.0	28.0	1.0	2.16	1.15	1.01	39.33
2508	3	10	0	39.4	37.7	1.0	28.0	1.0	2.26	1.19	1.06	39.23
2512	3	10	5	39.4	32.7	1.0	29.0	1.0	2.21	1.13	1.08	39.02
2541	3	10	10	39.7	38.0	1.0	30.0	1.0	2.30	1.20	1.10	39.53
2546	3	10	15	40.0	38.6	1.0	31.0	1.0	2.33	1.21	1.12	39.87
2579	3	20	-15	42.1	41.8	1.0	10.0	1.0	2.10	1.27	0.83	40.98
2575	3	20	-10	40.6	40.2	1.0	10.0	1.0	2.04	1.24	0.80	39.46
2571	3	20	-5	40.0	40.0	1.0	7.0	1.0	1.98	1.23	0.75	38.59
2567	3	20	0	40.0	40.0	1.0	10.0	1.0	2.02	1.23	0.79	38.29
2562	3	20	5	40.0	40.0	1.0	25.0	1.0	2.26	1.23	1.03	38.11
2557	3	20	10	39.0	39.0	1.0	24.0	1.0	2.20	1.21	1.00	37.93
2558	3	20	10	39.0	39.0	1.0	24.0	1.0	2.20	1.21	1.00	37.99
2553	3	20	15	39.0	39.0	1.0	23.0	1.0	2.19	1.21	0.98	37.41
3310	6	-10	-15	31.3	22.5	1.0	30.8	1.0	1.83	0.85	0.98	28.39
3306	6	-10	-10	30.7	22.0	1.0	30.0	1.0	1.80	0.84	0.96	28.29
3302	6	-10	-5	31.0	30.8	1.0	23.0	1.0	1.83	0.98	0.86	28.96
3285	6	-10	0	31.3	22.4	1.0	31.0	1.0	1.84	0.85	0.98	29.92
3289	6	-10	5	32.2	23.0	1.0	31.4	1.0	1.88	0.88	1.00	30.59
3294	6	-10	10	34.0	25.0	1.0	32.7	1.0	1.98	0.93	1.05	32.21
3298	6	-10	15	36.0	27.5	1.0	34.7	1.0	2.11	1.00	1.11	34.68
2659	6	0	-15	30.7	26.4	1.0	26.4	1.0	1.81	0.90	0.90	30.81
2655	6	0	-10	30.4	26.0	1.0	26.0	1.0	1.79	0.89	0.89	30.14
2651	6	0	-5	29.7	25.1	1.0	25.0	1.0	1.74	0.87	0.87	29.66
2616	6	0	0	30.0	26.0	1.0	25.8	1.0	1.77	0.89	0.88	29.85
2621	6	0	5	30.6	26.0	1.0	26.0	1.0	1.79	0.90	0.90	30.23
2643	6	0	10	31.0	26.9	1.0	26.9	1.0	1.83	0.92	0.92	31.47
2647	6	0	15	32.5	28.0	1.0	28.0	1.0	1.91	0.96	0.96	32.81
2689	6	10	-15	31.8	31.1	1.0	22.5	1.0	1.85	0.99	0.86	30.87
2684	6	10	-10	30.3	30.0	1.0	21.5	1.0	1.78	0.95	0.82	29.54
2680	6	10	-5	30.0	30.0	1.0	21.5	1.0	1.77	0.95	0.82	28.87
2664	6	10	0	30.0	30.0	1.0	21.5	1.0	1.77	0.95	0.82	28.87
2668	6	10	5	29.6	29.0	1.0	21.0	1.0	1.73	0.93	0.80	28.58
2672	6	10	10	30.0	29.8	1.0	21.5	1.0	1.76	0.95	0.82	28.58
2676	6	10	15	29.3	29.0	1.0	21.0	1.0	1.72	0.92	0.80	28.29
2702	6	20	-15	32.0	34.0	1.0	9.0	1.0	1.69	1.04	0.65	31.58
2696	6	20	-10	30.5	32.9	1.0	9.0	1.0	1.63	1.00	0.63	28.42
2697	6	20	-10	30.7	32.9	1.0	9.0	1.0	1.63	1.00	0.63	28.71
2706	6	20	-5	29.7	32.5	1.0	10.0	1.0	1.61	0.98	0.63	29.09
2710	6	20	0	29.5	32.2	1.0	17.0	1.0	1.71	0.98	0.74	28.33
2714	6	20	5	28.9	32.0	1.0	17.5	1.0	1.70	0.96	0.74	27.47
2718	6	20	10	28.5	31.9	1.0	16.0	1.0	1.66	0.96	0.71	26.89
2739	6	20	15	27.0	30.3	1.0	17.0	1.0	1.61	0.91	0.70	24.50

* Indicates model was close to heave stop

TABLE 4.123.1 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
2473		0	-10	-15	44.2	39.0	1.0	43.0	1.0	2.58	1.27	1.31	44.01
2464		0	-10	-10									45.01
2470		0	-10	-10	44.9	41.3	1.0	44.0	1.0	2.62	1.30	1.32	44.97
2460		0	-10	-5	45.0	42.0	1.0	44.2	1.0	2.63	1.31	1.32	45.07
2429		0	-10	0	44.5	40.0	1.0	43.5	1.0	2.60	1.28	1.31	44.43
2433		0	-10	5	46.0	44.5	1.0	45.5	1.0	2.67	1.33	1.34	45.36
2437	*	0	-10	10	47.0	40.0	1.0	47.0	1.0	2.66	1.31	1.34	46.13
2457	*	0	-10	15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.27
2350	*	0	0	-15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.00
2346		0	0	-10	46.0	45.5	1.0	45.5	1.0	2.67	1.34	1.34	45.41
2342		0	0	-5									44.98
2319		0	0	0	44.8	43.0	1.0	42.5	1.0	2.62	1.31	1.31	44.80
2320		0	0	0	44.8	42.7	1.0	42.7	1.0	2.62	1.31	1.31	44.77
2331		0	0	5	45.5	44.5	1.0	44.5	1.0	2.65	1.33	1.33	45.16
2332		0	0	5	45.5	44.5	1.0	44.5	1.0	2.65	1.33	1.33	45.16
2337	*	0	0	10	45.6	44.5	1.0	44.5	1.0	2.66	1.33	1.33	46.11
2338	*	0	0	10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.11
2397	*	0	10	-10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	45.99
2392		0	10	-5	46.0	44.7	1.0	42.0	1.0	2.65	1.33	1.32	45.08
2375		0	10	0	44.7	44.0	1.0	39.5	1.0	2.60	1.32	1.28	44.55
2380		0	10	5	44.8	43.7	1.0	40.0	1.0	2.60	1.32	1.29	44.74
2384		0	10	10	44.8	44.0	1.0	41.0	1.0	2.61	1.32	1.30	44.74
2388		0	10	15	43.4	42.0	1.0	39.0	1.0	2.55	1.29	1.26	43.01
2421	*	0	20	-10	47.0	47.0	1.0	46.0	1.0	2.68	1.34	1.34	45.88
2417		0	20	-5	45.2	45.2	1.0	36.0	1.0	2.58	1.33	1.25	44.91
2401		0	20	0	44.5	44.5	1.0	30.0	1.0	2.49	1.32	1.17	43.91
2405		0	20	5	44.0	43.8	1.0	15.0	1.0	2.25	1.31	0.94	42.99
2409		0	20	10	42.5	42.2	1.0	0.0	1.0	1.96	1.28	0.67	41.06
2413		0	20	15	40.0	40.0	1.0	0.0	0.6	1.61	1.23	0.38	37.06
2601		3	-10	-15	27.2	13.0	1.0	26.7	1.0	1.49	0.64	0.85	27.65
2597		3	-10	-10	32.2	18.5	1.0	31.0	1.0	1.80	0.80	1.00	33.35
2592		3	-10	-5	35.7	23.0	1.0	33.4	1.0	2.02	0.93	1.08	36.24
2587		3	-10	0	36.9	24.0	1.0	34.9	1.0	2.09	0.97	1.12	37.05
2605		3	-10	5	38.8	28.0	1.0	36.8	1.0	2.23	1.05	1.17	38.70
2609		3	-10	10	41.2	34.0	1.0	39.7	1.0	2.41	1.17	1.24	40.96
2613	*	3	-10	15	45.0	42.6	1.0	44.1	1.0	2.63	1.31	1.32	44.92
2503		3	0	-15	37.2	31.0	1.0	30.0	1.0	2.13	1.07	1.06	37.51
2499		3	0	-10	36.2	30.0	1.0	29.0	1.0	2.07	1.04	1.03	37.12
2495		3	0	-5	36.0	29.3	1.0	28.0	1.0	2.04	1.03	1.01	36.92
2479		3	0	0	36.0	28.5	1.0	28.0	1.0	2.03	1.02	1.01	36.77
2483		3	0	5	36.2	29.0	1.0	28.0	1.0	2.04	1.03	1.01	36.77
2487		3	0	10	36.9	30.0	1.0	29.5	1.0	2.10	1.05	1.05	37.51
2491		3	0	15	38.0	33.2	1.0	33.0	1.0	2.23	1.12	1.11	39.00

* Indicates model was close to heave stop

TABLE 4.123.2 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.234, Cv = 3

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
2537	3	10	-15	42.4	41.0	1.0	36.0	1.0	2.48	1.27	1.21	41.70
2521	3	10	-10	39.0	37.0	1.0	27.0	1.0	2.22	1.18	1.04	38.81
2517	3	10	-5	36.7	34.6	1.0	22.0	1.0	2.05	1.12	0.93	36.91
2509	3	10	0	34.5	32.8	1.0	20.0	1.0	1.92	1.06	0.86	35.19
2513	3	10	5	30.6	29.8	1.0	14.7	1.0	1.67	0.95	0.72	30.90
2542	3	10	10	24.0	24.3	1.0	9.0	1.0	1.29	0.77	0.52	25.93
2547	3	10	15	19.0	20.0	1.0	2.0	1.0	0.95	0.62	0.33	20.77
2580	3	20	-15	43.7	43.2	1.0	33.0	1.0	2.50	1.30	1.20	42.62
2576	3	20	-10	39.2	39.3	1.0	12.0	1.0	2.02	1.21	0.81	38.47
2572	3	20	-5	36.0	37.2	1.0	9.0	1.0	1.86	1.14	0.71	35.44
2568	3	20	0	33.0	35.6	1.0	9.0	1.0	1.74	1.08	0.67	30.57
2563	3	20	5									22.93
2564	3	20	5	26.0	32.0	1.0	3.0	1.0	1.38	0.92	0.46	22.93
2559	3	20	10	18.0	27.3	1.0	0.0	0.7	0.92	0.72	0.20	15.10
2554	3	20	15	12.0	21.3	1.0	0.0	0.5	0.62	0.53	0.10	8.79
3311	6	-10	-15	14.0	5.0	1.0	13.6	1.0	0.74	0.30	0.44	12.22
3307	6	-10	-10	17.1	8.0	1.0	17.0	1.0	0.94	0.40	0.54	14.61
3303	6	-10	-5	19.0	10.0	1.0	18.8	1.0	1.06	0.46	0.60	17.39
3286	6	-10	0	22.0	13.0	1.0	21.5	1.0	1.25	0.56	0.69	20.54
3291	6	-10	5	25.0	15.0	1.0	24.3	1.0	1.42	0.63	0.78	22.46
3295	6	-10	10	28.2	18.0	1.0	27.8	1.0	1.62	0.73	0.89	26.09
3299	6	-10	15	34.0	25.0	1.0	33.0	1.0	1.99	0.93	1.05	32.88
2660	6	0	-15	16.7	12.3	1.0	12.0	1.0	0.92	0.46	0.46	17.22
2656	6	0	-10	16.2	11.6	1.0	11.6	1.0	0.88	0.44	0.44	16.36
2652	6	0	-5	15.6	11.0	1.0	10.8	1.0	0.84	0.42	0.42	16.26
2617	6	0	0	17.0	12.5	1.0	11.9	1.0	0.93	0.47	0.46	17.22
2618	6	0	0	16.0	11.8	1.0	11.5	1.0	0.88	0.44	0.44	16.45
2622	6	0	5	16.0	11.7	1.0	11.5	1.0	0.88	0.44	0.44	16.36
2644	6	0	10	15.3	11.0	1.0	11.0	1.0	0.83	0.42	0.42	16.93
2648	6	0	15	17.2	17.9	1.0	17.0	1.0	1.10	0.56	0.54	17.70
2690	6	10	-15	23.0	23.0	1.0	14.1	1.0	1.32	0.73	0.59	22.17
2685	6	10	-10	20.0	20.0	1.0	11.0	1.0	1.13	0.63	0.49	19.68
2681	6	10	-5	17.5	17.1	1.0	9.0	1.0	0.97	0.55	0.42	17.86
2665	6	10	0	15.0	14.2	1.0	6.5	1.0	0.80	0.46	0.34	14.52
2669	6	10	5	13.0	12.7	1.0	3.8	1.0	0.67	0.41	0.27	12.12
2673	6	10	10	10.5	10.5	1.0	0.0	1.0	0.50	0.33	0.17	10.31
2677	6	10	15	10.0	10.0	1.0	0.0	0.9	0.46	0.32	0.14	9.83
2703	6	20	-15	29.6	32.5	1.0	12.5	1.0	1.65	0.98	0.67	29.19
2698	6	20	-10	24.2	28.5	1.0	10.0	1.0	1.38	0.84	0.54	22.21
2707	6	20	-5	20.9	25.4	1.0	7.5	1.0	1.19	0.73	0.45	20.20
2711	6	20	0	17.0	22.0	1.0	3.5	1.0	0.94	0.62	0.33	15.99
2715	6	20	5	12.0	17.0	1.0	0.0	0.8	0.61	0.46	0.15	11.11
2719	6	20	10	8.5	13.1	1.0	0.0	0.5	0.41	0.34	0.07	7.95
2740	6	20	15	7.0	11.7	1.0	0.0	0.5	0.35	0.30	0.06	5.46

* Indicates model was close to heave stop

TABLE 4.124.1 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.234, Cv = 4

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
2474	0	-10	-15	42.2	32.0	1.0	40.4	1.0	2.42	1.16	1.26	42.33
2468	0	-10	-10									44.81
2469	0	-10	-10	44.5	40.0	1.0	43.3	1.0	2.59	1.28	1.31	44.88
2461	0	-10	-5	44.8	41.0	1.0	44.0	1.0	2.61	1.30	1.32	45.06
2430	0	-10	0	44.6	41.0	1.0	43.5	1.0	2.61	1.29	1.31	44.59
2434	0	-10	5	46.3	40.0	1.0	46.3	1.0	2.64	1.31	1.34	45.75
2352	0	0	-15	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	45.97
2347	0	0	-10	46.0	45.0	1.0	45.0	1.0	2.67	1.33	1.33	45.31
2343	0	0	-5	45.0	43.5	1.0	43.5	1.0	2.63	1.32	1.32	45.01
2322	0	0	0	44.5	43.0	1.0	42.5	1.0	2.61	1.31	1.30	44.84
2323	0	0	0	44.5	43.0	1.0	42.2	1.0	2.61	1.31	1.30	44.84
2324	0	0	0	44.5	42.5	1.0	42.0	1.0	2.61	1.30	1.30	44.66
2326	0	0	0									44.80
2327	0	0	0									44.84
2328	0	0	0									44.58
2333	0	0	5	47.0	45.0	1.0	45.0	1.0	2.68	1.34	1.34	45.16
2339 *	0	0	10	47.0	47.0	1.0	47.0	1.0	2.68	1.34	1.34	46.09
2394	0	10	-5	45.5	45.0	1.0	43.0	1.0	2.65	1.33	1.32	45.21
2376	0	10	0	45.0	44.0	1.0	40.0	1.0	2.61	1.32	1.29	44.66
2377	0	10	0	45.0	44.0	1.0	40.0	1.0	2.61	1.32	1.29	44.70
2381	0	10	5	45.0	44.0	1.0	39.0	1.0	2.60	1.32	1.28	44.66
2385	0	10	10	43.3	42.0	1.0	32.0	1.0	2.47	1.29	1.18	42.96
2389	0	10	15	41.3	39.0	1.0	15.0	1.0	2.13	1.23	0.89	40.69
2418	0	20	-5	46.0	47.0	1.0	40.0	1.0	2.64	1.34	1.30	45.33
2402	0	20	0	44.5	44.2	1.0	29.0	1.0	2.47	1.32	1.16	44.03
2406	0	20	5	43.4	43.0	1.0	10.0	1.0	2.15	1.30	0.85	42.52
2410	0	20	10	40.0	40.0	1.0	0.0	0.6	1.61	1.23	0.38	38.06
2414	0	20	15	28.0	35.4	1.0	0.0	0.2	1.09	1.00	0.09	0.00
2602	3	-10	-15	21.0	7.5	1.0	20.2	1.0	1.11	0.45	0.65	21.92
2598	3	-10	-10	27.5	10.5	1.0	26.9	1.0	1.47	0.60	0.86	27.46
2593	3	-10	-5	33.1	19.0	1.0	31.2	1.0	1.84	0.83	1.01	34.33
2588	3	-10	0	35.6	22.0	1.0	33.3	1.0	2.00	0.91	1.08	36.08
2606	3	-10	5	38.0	25.0	1.0	36.0	1.0	2.15	1.00	1.15	38.13
2610	3	-10	10	41.3	34.0	1.0	39.7	1.0	2.42	1.17	1.24	40.78
2504	3	0	-15	35.0	28.2	1.0	27.2	1.0	1.98	1.00	0.98	36.25
2500	3	0	-10	34.3	27.0	1.0	25.9	1.0	1.92	0.97	0.95	35.67
2496	3	0	-5	35.0	27.0	1.0	26.0	1.0	1.95	0.98	0.97	35.85
2480	3	0	0	33.4	26.0	1.0	25.0	1.0	1.87	0.94	0.93	35.59
2484	3	0	5	32.8	24.5	1.0	24.0	1.0	1.81	0.91	0.90	34.70
2488	3	0	10	34.5	26.3	1.0	25.2	1.0	1.91	0.96	0.95	35.40
2492	3	0	15	35.4	28.3	1.0	28.0	1.0	2.01	1.01	1.00	36.63

* Indicates model was close to heave stop

TABLE 4.124.2 - WETTED AREA DATA
10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
2538	3	10	-15	42.0	41.0	1.0	34.3	1.0	2.45	1.26	1.19	41.78
2522	3	10	-10	39.0	37.0	1.0	27.0	1.0	2.22	1.18	1.04	38.97
2518	3	10	-5	35.5	34.0	1.0	20.0	1.0	1.97	1.09	0.88	36.16
2510	3	10	0	30.0	29.8	1.0	14.0	1.0	1.64	0.95	0.70	30.52
2514	3	10	5	22.0	22.4	1.0	5.0	1.0	1.13	0.70	0.43	22.68
2543	3	10	10	18.0	18.0	1.0	1.0	1.0	0.87	0.57	0.30	19.62
2544	3	10	10	17.3	17.5	1.0	0.0	1.0	0.83	0.55	0.27	19.24
2548	3	10	15	14.0	15.5	1.0	0.0	0.8	0.65	0.47	0.18	17.33
2549	3	10	15	15.0	15.0	1.0	0.0	0.7	0.64	0.48	0.17	17.33
2577	3	20	-10	39.0	39.2	1.0	13.0	1.0	2.03	1.21	0.83	38.47
2573	3	20	-5	35.3	37.0	1.0	12.0	1.0	1.88	1.13	0.75	34.62
2569	3	20	0	28.5	33.5	1.0	4.0	1.0	1.50	0.98	0.52	26.75
2565	3	20	5	16.0	25.4	1.0	0.0	0.6	0.81	0.66	0.15	13.76
2560	3	20	10	16.0	20.0	1.0	0.0	0.4	0.67	0.57	0.10	7.64
2555	3	20	15	6.0	14.4	1.0	0.0	0.2	0.34	0.32	0.02	3.44
3312	6	-10	-15	10.3	1.5	1.0	9.8	1.0	0.51	0.19	0.32	8.97
3308	6	-10	-10	11.0	2.5	1.0	10.0	1.0	0.55	0.21	0.33	10.02
3304	6	-10	-5	13.8	5.0	1.0	13.1	1.0	0.73	0.30	0.43	12.41
3287	6	-10	0	18.3	9.6	1.0	17.8	1.0	1.02	0.44	0.57	17.39
3292	6	-10	5	20.0	11.8	1.0	19.8	1.0	1.14	0.50	0.63	18.63
3296	6	-10	10	23.0	14.5	1.0	22.9	1.0	1.32	0.60	0.73	21.98
2661	6	0	-15	10.9	6.0	1.0	6.0	1.0	0.54	0.27	0.27	11.58
2657	6	0	-10	11.0	7.0	1.0	6.5	1.0	0.56	0.29	0.28	12.25
2653	6	0	-5	11.0	6.3	1.0	5.8	1.0	0.54	0.27	0.27	11.48
2619	6	0	0	11.0	6.5	1.0	6.0	1.0	0.55	0.28	0.27	11.67
2623	6	0	5	11.0	7.0	1.0	6.0	1.0	0.56	0.29	0.27	11.96
2645	6	0	10	11.2	7.0	1.0	6.0	1.0	0.56	0.29	0.27	12.82
2649	6	0	15	11.3	7.0	1.0	6.0	1.0	0.56	0.29	0.27	12.92
2691	6	10	-15	19.7	19.7	1.0	10.8	1.0	1.11	0.63	0.48	19.01
2743	6	10	-15	19.2	19.2	1.0	10.0	1.0	1.07	0.61	0.46	19.30
2686	6	10	-10	15.2	15.2	1.0	7.0	1.0	0.83	0.48	0.35	15.28
2687	6	10	-10	16.0	16.0	1.0	7.0	1.0	0.87	0.51	0.36	15.57
2682	6	10	-5	7.0	7.0	1.0	3.6	1.0	0.39	0.22	0.17	11.84
2666	6	10	0	10.0	10.0	1.0	0.0	1.0	0.48	0.32	0.16	9.83
2670	6	10	5	8.0	8.1	1.0	0.0	0.8	0.36	0.26	0.10	8.78
2674	6	10	10	7.5	7.8	1.0	0.0	0.8	0.34	0.24	0.10	8.39
2678	6	10	15	7.0	7.0	1.0	0.0	0.7	0.30	0.22	0.08	7.82
2704	6	20	-15	29.5	32.4	1.0	13.5	1.0	1.66	0.98	0.68	28.81
2699	6	20	-10	20.9	25.6	1.0	7.5	1.0	1.19	0.74	0.45	19.14
2700	6	20	-10	21.5	26.3	1.0	8.0	1.0	1.23	0.76	0.47	20.58
2708	6	20	-5	16.1	21.5	1.0	3.0	1.0	0.73	0.45	0.28	15.80
2712	6	20	0	11.5	16.5	1.0	0.0	0.7	0.57	0.44	0.13	11.49
2716	6	20	5	7.5	12.0	1.0	0.0	0.5	0.37	0.31	0.06	7.09
2737	6	20	5									
2736	6	20	10	5.3	10.0	1.0	0.0	0.4	0.28	0.24	0.03	6.32
2741	6	20	15	3.5	8.7	1.0	0.0	0.2	0.20	0.19	0.01	2.78

* Indicates model was close to heave stop

TABLE 4.201.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel Lk in	Stbd Chine Lcs in	Stbd Beam Bs :	Port Chine Lcp in	Port Beam Bp :	Wetted Areas: Total Atot sq.ft	Stbd As sq.ft	Port Ap sq.ft	SKWL in
1709		-2	-10	0	47.7	40.5	0.5	47.7	1.0	2.13	0.71	1.42	46.51
1713		-2	-10	5	47.7	36.0	0.5	47.7	1.0	2.11	0.69	1.42	46.70
1716	*	-2	-10	10	47.7	36.0	0.7	47.7	1.0	2.38	0.96	1.42	47.02
1718	*	-2	-10	15	48.6	40.5	0.7	47.7	1.0	2.42	1.00	1.42	47.30
1645		-2	0	0	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.44
1648		-2	0	5	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	46.61
1653		-2	0	10	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	46.90
1656	*	-2	0	15	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.36
1660		-2	10	0	46.8	46.8	1.0	42.1	0.8	2.55	1.42	1.13	46.35
1664		-2	10	5	47.7	47.7	1.0	31.5	0.7	2.34	1.42	0.92	46.40
1681		-2	10	5	47.7	47.7	1.0	36.0	0.7	2.38	1.42	0.96	46.52
1683		-2	10	10	47.7	47.7	1.0	36.0	0.7	2.38	1.42	0.96	46.70
1686	*	-2	10	15	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.16
1692		-2	20	0	47.7	47.7	1.0	40.5	0.5	2.13	1.42	0.71	46.27
1696		-2	20	5	47.7	47.7	1.0	40.5	0.5	2.13	1.42	0.71	46.30
1699		-2	20	10	47.7	47.7	1.0	45.0	0.5	2.13	1.42	0.71	46.52
1703	*	-2	20	15	47.7	47.7	1.0	31.5	0.5	2.08	1.42	0.66	47.10
1627		0	-10	0	45.4	24.3	0.6	33.3	0.9	1.87	0.70	1.17	45.32
1631		0	-10	5	45.4	31.5	0.7	43.2	1.0	2.29	0.89	1.40	45.40
1635		0	-10	10	46.3	35.1	1.0	44.1	1.0	2.75	1.34	1.41	45.65
1639	*	0	-10	15	46.8	40.5	0.9	46.8	1.0	2.68	1.26	1.42	46.15
1560		0	0	0	45.4	40.5	1.0	40.5	1.0	2.76	1.38	1.38	45.57
1564		0	0	5	45.4	40.5	1.0	40.9	1.0	2.77	1.38	1.38	45.38
1568		0	0	10	45.9	43.2	1.0	16.2	1.0	2.44	1.40	1.03	45.51
1572	*	0	0	15	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	46.00
1577		0	10	0	45.3	41.4	1.0	38.3	0.8	2.48	1.39	1.09	45.34
1582		0	10	5	45.4	41.4	1.0	37.8	0.7	2.34	1.39	0.95	45.34
1586		0	10	10	45.7	42.1	1.0	40.5	0.9	2.64	1.40	1.25	45.44
1591		0	10	15	45.9	45.9	1.0	45.9	1.0	2.83	1.42	1.42	45.77
1607		0	20	0	45.0	40.5	1.0	40.5	0.5	2.06	1.38	0.69	45.13
1611		0	20	5	45.0	42.3	1.0	40.5	0.7	2.35	1.39	0.96	45.15
1615		0	20	10	45.0	40.5	1.0	40.5	0.6	2.20	1.38	0.83	45.24
1619		0	20	15	45.9	45.9	1.0	16.2	0.4	1.83	1.42	0.41	45.51
1397		3	-10	0	40.7	24.3	1.0	34.0	1.0	2.32	1.08	1.24	39.97
1393		3	-10	5	41.0	8.1	1.0	34.2	1.0	2.06	0.82	1.24	40.25
1390		3	-10	10	41.8	9.9	1.0	35.4	1.0	2.13	0.86	1.27	40.91
1405		3	0	0	40.9	29.7	1.0	29.9	1.0	2.35	1.17	1.18	40.53
1409		3	0	5	41.1	29.3	1.0	30.7	1.0	2.36	1.17	1.19	40.71
1413		3	0	10	41.7	29.7	1.0	31.9	1.0	2.41	1.19	1.22	41.21
1417		3	0	15	42.7	30.3	1.0	34.2	1.0	2.48	1.21	1.27	42.20

* Indicates model was close to heave stop

TABLE 4.201.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.000, Cv = 1.5

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
1436	3	10	0	40.6	33.5	1.0	25.2	1.0	2.32	1.23	1.09	40.29
1440	3	10	5	40.5	33.4	1.0	24.3	1.0	2.30	1.22	1.08	40.29
1445	3	10	10	41.0	34.2	1.0	27.0	1.0	2.37	1.24	1.13	40.70
1449	3	10	15	37.1	35.1	1.0	28.8	1.0	2.29	1.20	1.10	41.33
1457	3	20	0	39.6	35.9	1.0	0.0	0.7	1.71	1.25	0.46	39.14
1461	3	20	5	39.6	35.8	1.0	0.0	0.6	1.64	1.25	0.40	39.25
1465	3	20	10	40.0	36.3	1.0	18.0	1.0	2.22	1.26	0.96	39.66
1469	3	20	15	40.4	36.8	1.0	22.5	1.0	2.32	1.27	1.05	40.11
1541	6	-10	0	31.0	17.7	1.0	26.4	1.0	1.76	0.81	0.95	30.78
1545	6	-10	5	31.6	18.3	1.0	27.0	1.0	1.80	0.83	0.97	31.45
1549	6	-10	10	32.7	12.6	1.0	27.8	1.0	1.76	0.75	1.01	32.69
1553	6	-10	15	34.8	14.3	1.0	29.7	1.0	1.89	0.82	1.07	34.89
1476	6	0	0	31.1	21.6	1.0	22.5	1.0	1.77	0.88	0.89	31.19
1480	6	0	5	31.5	22.2	1.0	23.0	1.0	1.80	0.89	0.91	31.67
1484	6	0	10	32.4	22.9	1.0	23.6	1.0	1.85	0.92	0.93	32.43
1488	6	0	15	33.8	24.3	1.0	25.3	1.0	1.95	0.97	0.98	33.88
1494	6	10	0	30.9	25.9	1.0	18.2	1.0	1.76	0.94	0.82	30.97
1498	6	10	5	30.9	26.0	1.0	18.9	1.0	1.77	0.95	0.83	31.07
1502	6	10	10	31.3	26.1	1.0	19.4	1.0	1.80	0.95	0.84	31.35
1506	6	10	15	31.8	27.0	1.0	20.7	1.0	1.85	0.98	0.87	32.12
1522	6	20	0	30.4	29.3	1.0	2.7	1.0	1.54	0.99	0.55	29.19
1525	6	20	5	30.1	29.6	1.0	15.3	1.0	1.75	0.99	0.76	28.90
1530	6	20	10	30.0	29.4	1.0	15.5	1.0	1.74	0.99	0.76	28.90
1534	6	20	15	29.7	29.3	1.0	15.8	1.0	1.74	0.98	0.76	28.62

* Indicates model was close to heave stop

TABLE 4.203.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.000, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel Lk in	Stbd Chine Lcs in	Stbd Beam Bs :	Port Chine Lcp in	Port Beam Bp :	Wetted Areas: Total Atot sq.ft	Stbd As sq.ft	Port Ap sq.ft	SKWL in
1710		-2	-10	0	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	46.74
1714	*	-2	-10	5	48.6	48.6	1.0	48.6	1.0	2.84	1.42	1.42	47.14
1646		-2	0	0	47.7	47.7	1.0	46.8	1.0	2.84	1.42	1.42	46.55
1650	*	-2	0	5	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	46.94
1654	*	-2	0	10	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.32
1721	*	-2	0	10	48.6	48.6	1.0	48.6	1.0	2.84	1.42	1.42	47.78
1661		-2	10	0	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	46.47
1665		-2	10	5	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	46.80
1680		-2	10	5									46.87
1684	*	-2	10	10	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.13
1688	*	-2	10	15	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.09
1693		-2	20	0	46.8	46.8	1.0	40.5	0.5	2.12	1.42	0.70	46.29
1697		-2	20	5	47.7	47.7	1.0	36.0	0.8	2.52	1.42	1.10	46.41
1701	*	-2	20	10	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.15
1628		0	-10	0	45.0	31.5	1.0	40.5	1.0	2.65	1.27	1.38	45.12
1632		0	-10	5	45.9	34.2	1.0	42.3	1.0	2.72	1.32	1.40	45.33
1636	*	0	-10	10	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.46
1640	*	0	-10	15	47.3	0.0	0.5	47.3	1.0	1.82	0.39	1.42	46.46
1561		0	0	0	45.0	37.8	1.0	38.4	1.0	2.71	1.35	1.36	45.33
1565		0	0	5	45.3	39.6	1.0	39.9	1.0	2.75	1.37	1.38	45.23
1569	*	0	0	10									46.21
1573	*	0	0	15	47.1	47.3	1.0	47.7	1.0	2.84	1.42	1.42	47.03
1579		0	10	0	44.9	39.8	1.0	36.0	0.8	2.43	1.37	1.06	45.11
1583		0	10	5	44.8	39.9	1.0	33.8	1.0	2.67	1.37	1.30	45.13
1588		0	10	10	45.3	41.2	1.0	38.7	1.0	2.75	1.39	1.37	45.35
1592	*	0	10	15	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.14
1608		0	20	0	44.1	41.4	1.0	40.5	0.5	2.06	1.37	0.68	44.72
1612		0	20	5	45.0	41.4	1.0	10.8	1.0	2.31	1.38	0.93	44.96
1616		0	20	10	44.1	39.6	1.0	10.8	1.0	2.27	1.36	0.91	44.11
1620		0	20	15	42.8	37.8	1.0	0.0	0.9	1.96	1.32	0.64	42.42
1398		3	-10	0	37.5	16.2	1.0	29.2	1.0	2.00	0.89	1.11	37.05
1394		3	-10	5	38.3	14.4	1.0	30.4	1.0	2.02	0.88	1.14	37.83
1391		3	-10	10	40.3	16.2	1.0	33.3	1.0	2.16	0.94	1.22	39.68
1400		3	-10	13	42.3	21.6	1.0	36.9	1.0	2.36	1.06	1.30	41.78
1388		3	-10	15	44.0	27.9	1.0	39.6	1.0	2.55	1.19	1.36	43.50
1406		3	0	0	37.4	22.0	1.0	22.8	1.0	1.99	0.99	1.00	37.89
1410		3	0	5	37.7	22.5	1.0	23.4	1.0	2.02	1.00	1.02	38.06
1414		3	0	10	38.7	24.2	1.0	26.1	1.0	2.12	1.05	1.08	39.00
1418		3	0	15	41.1	28.7	1.0	31.4	1.0	2.36	1.16	1.20	41.05

* Indicates model was close to heave stop

TABLE 4.203.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel Lk in	Stbd Chine Lcs in	Stbd Beam Bs :	Port Chine Lcp in	Port Beam Bp :	Wetted Areas: Total Atot sq.ft	Stbd As sq.ft	Port Ap sq.ft	SKWL in
1437	3	10	0	36.9	28.1	1.0	15.3	1.0	1.95	1.08	0.87	37.32
1442	3	10	5	35.3	26.1	1.0	13.5	1.0	1.83	1.02	0.81	36.32
1446	3	10	10	34.4	25.2	1.0	13.5	1.0	1.79	0.99	0.80	35.66
1450	3	10	15	34.0	24.9	1.0	13.5	1.0	1.77	0.98	0.79	35.39
1458	3	20	0	35.5	32.2	1.0	7.2	1.0	1.83	1.12	0.71	36.15
1462	3	20	5	32.8	30.3	1.0	6.3	1.0	1.70	1.05	0.65	33.41
1466	3	20	10	27.6	26.9	1.0	0.0	0.9	1.32	0.91	0.41	27.13
1470	3	20	15	23.8	23.6	1.0	0.0	0.8	1.11	0.79	0.32	22.17
1542	6	-10	0	20.2	9.0	1.0	15.5	1.0	1.08	0.49	0.59	20.06
1546	6	-10	5	15.0	1.8	1.0	9.5	1.0	0.69	0.28	0.41	22.55
1550	6	-10	10	25.5	11.7	1.0	21.1	1.0	1.39	0.62	0.78	25.13
1554	6	-10	15	29.4	14.4	1.0	25.0	1.0	1.63	0.73	0.90	29.92
1477	6	0	0	18.9	9.9	1.0	9.9	1.0	0.96	0.48	0.48	18.85
1481	6	0	5	19.5	10.4	1.0	10.5	1.0	1.00	0.50	0.50	19.52
1485	6	0	10	20.5	11.5	1.0	11.7	1.0	1.07	0.53	0.54	20.47
1489	6	0	15	22.3	13.0	1.0	13.5	1.0	1.18	0.59	0.60	22.29
1495	6	10	0	19.6	14.9	1.0	7.2	1.0	1.02	0.57	0.45	19.39
1499	6	10	5	17.6	12.7	1.0	5.2	1.0	0.88	0.50	0.38	17.00
1503	6	10	10	15.8	11.3	1.0	3.6	1.0	0.77	0.45	0.32	15.19
1507	6	10	15	15.0	10.3	1.0	3.1	1.0	0.72	0.42	0.30	14.42
1523	6	20	0	21.5	21.3	1.0	5.8	1.0	1.17	0.71	0.45	20.10
1527	6	20	5	17.5	17.3	1.0	1.8	1.0	0.90	0.58	0.32	15.80
1531	6	20	10	14.2	14.1	1.0	0.0	0.9	0.68	0.47	0.21	12.16
1535	6	20	15	12.5	12.5	1.0	0.0	0.7	0.56	0.42	0.15	10.15

* Indicates model was close to heave stop

TABLE 4.204.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
1711	*	-2	-10	0	48.6	48.6	1.0	48.6	1.0	2.84	1.42	1.42	47.22
1647	*	-2	0	0	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.19
1651	*	-2	0	5	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.30
1662	*	-2	10	0	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.31
1666	*	-2	10	5	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.31
1694	*	-2	20	0	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	47.20
1698	*	-2	20	5	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.18
1629		0	-10	0	45.0	32.4	1.0	40.9	1.0	2.66	1.28	1.38	45.24
1633		0	-10	5	46.3	36.0	1.0	45.0	1.0	2.77	1.35	1.42	45.89
1637	*	0	-10	10	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.47
1562		0	0	0	44.7	34.2	1.0	36.1	1.0	2.63	1.30	1.33	45.20
1566		0	0	5	45.3	40.5	1.0	40.5	1.0	2.76	1.38	1.38	45.30
1570	*	0	0	10	47.2	47.2	1.0	47.2	1.0	2.84	1.42	1.42	47.03
1574	*	0	0	15	47.7	47.7	1.0	47.7	1.0	2.84	1.42	1.42	47.03
1580		0	10	0	44.9	40.0	1.0	32.4	0.9	2.52	1.37	1.15	45.23
1584		0	10	5	44.3	37.8	1.0	28.8	1.0	2.56	1.34	1.21	44.96
1589		0	10	10	44.1	36.6	1.0	27.0	1.0	2.51	1.33	1.18	44.36
1593	*	0	10	15	47.2	47.2	1.0	47.2	1.0	2.84	1.42	1.42	46.47
1609		0	20	0	45.0	40.5	1.0	18.0	1.0	2.42	1.38	1.05	45.12
1613		0	20	5	43.2	39.6	1.0	22.5	1.0	2.44	1.34	1.09	44.32
1617		0	20	10	41.6	36.4	1.0	0.0	0.6	1.70	1.28	0.42	41.87
1621		0	20	15	39.6	34.2	1.0	0.0	0.5	1.55	1.22	0.33	40.16
1399		3	-10	0	34.0	9.9	1.0	24.3	1.0	1.70	0.73	0.97	34.68
1395		3	-10	5	36.1	11.7	1.0	27.8	1.0	1.86	0.80	1.06	36.62
1385		3	-10	10	43.0	16.2	1.0	37.8	1.0	2.31	0.98	1.32	39.58
1386		3	-10	13	42.8	25.2	1.0	37.5	1.0	2.45	1.13	1.32	42.32
1384	*	3	-10	15	44.2	28.8	1.0	40.3	1.0	2.58	1.21	1.36	44.17
1407		3	0	0	32.8	15.3	1.0	15.3	1.0	1.60	0.80	0.80	34.70
1411		3	0	5	34.4	15.6	1.0	16.9	1.0	1.68	0.83	0.85	35.59
1415		3	0	10	35.6	18.0	1.0	19.8	1.0	1.81	0.89	0.92	36.98
1419		3	0	15	40.4	26.8	1.0	29.8	1.0	2.28	1.12	1.17	40.62

* Indicates model was close to heave stop

TABLE 4.204.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.000, Cv = 4

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
1438	3	10	0	32.8	22.9	1.0	8.4	1.0	1.61	0.93	0.69	34.79
1443	3	10	5	28.1	18.4	1.0	4.5	1.0	1.32	0.77	0.54	29.75
1447	3	10	10	25.5	16.0	1.0	1.8	1.0	1.14	0.69	0.45	27.27
1451	3	10	15	24.8	14.4	1.0	1.3	1.0	1.09	0.65	0.43	26.12
1459	3	20	0	32.2	29.7	1.0	3.6	1.0	1.62	1.03	0.60	34.00
1463	3	20	5	24.9	24.3	1.0	0.0	0.8	1.15	0.82	0.33	24.65
1467	3	20	10	19.2	18.6	1.0	0.0	0.6	0.82	0.63	0.19	18.54
1471	3	20	15	16.4	15.6	1.0	0.0	0.5	0.67	0.53	0.14	15.48
1543	6	-10	0	12.7	0.0	1.0	8.1	1.0	0.56	0.21	0.35	12.60
1547	6	-10	5	15.0	1.8	1.0	9.5	1.0	0.69	0.28	0.41	15.28
1551	6	-10	10	17.8	3.6	1.0	13.5	1.0	0.88	0.36	0.52	18.06
1555	6	-10	15	22.3	7.4	1.0	18.0	1.0	1.16	0.49	0.67	22.74
1478	6	0	0	12.2	2.8	1.0	2.8	1.0	0.50	0.25	0.25	12.25
1482	6	0	5	12.3	2.7	1.0	2.7	1.0	0.50	0.25	0.25	12.25
1486	6	0	10	12.5	2.7	1.0	3.1	1.0	0.51	0.25	0.26	12.53
1490	6	0	15	13.0	2.7	1.0	3.6	1.0	0.54	0.26	0.28	13.20
1496	6	10	0	12.5	7.7	1.0	0.0	0.9	0.52	0.34	0.19	12.41
1500	6	10	5	11.7	6.8	1.0	0.0	0.8	0.46	0.31	0.16	11.55
1504	6	10	10	10.9	6.2	1.0	0.0	0.8	0.43	0.28	0.15	10.88
1508	6	10	15	11.2	6.2	1.0	0.0	0.8	0.44	0.29	0.15	10.69
1524	6	20	0	13.9	13.8	1.0	0.0	0.8	0.65	0.46	0.18	12.83
1528	6	20	5	10.3	10.0	1.0	0.0	0.6	0.44	0.34	0.10	8.72
1532	6	20	10	8.4	8.3	1.0	0.0	0.4	0.33	0.28	0.06	6.80
1536	6	20	15	7.4	7.3	1.0	0.0	0.4	0.29	0.24	0.05	5.85

* Indicates model was close to heave stop

TABLE 4.211.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel Lk in	Stbd Chine Lcs in	Stbd Beam Bs :	Port Chine Lcp in	Port Beam Bp :	Wetted Areas: Total Atot sq.ft	Stbd As sq.ft	Port Ap sq.ft	SKWL in
586	0	-10	-10	46.0	45.0	0.8	43.5	1.0	2.54	1.13	1.41	45.57
581	0	-10	-5	45.5	43.0	0.8	43.0	1.0	2.52	1.12	1.40	45.47
570	0	-10	0	45.5	26.0	0.4	37.0	0.7	1.42	0.48	0.95	45.42
573	0	-10	5	46.0	37.0	0.8	46.0	1.0	2.50	1.09	1.42	45.52
578	0	-10	10	46.0	34.0	0.8	45.0	1.0	2.47	1.06	1.41	45.79
469 *	0	0	-15	46.5	46.0	1.0	40.0	1.0	2.81	1.42	1.39	46.09
465	0	0	-10	45.7	43.0	1.0	38.5	1.0	2.77	1.40	1.37	45.70
460	0	0	-5	45.5	41.5	1.0	38.5	1.0	2.76	1.39	1.37	45.54
443	0	0	0	45.2	40.3	1.0	40.0	1.0	2.75	1.38	1.37	45.49
447	0	0	5	45.2	40.0	1.0	40.0	1.0	2.75	1.37	1.37	45.54
451	0	0	10	45.5	40.0	1.0	39.0	1.0	2.75	1.38	1.37	45.69
455 *	0	0	15	46.5	43.0	1.0	43.0	1.0	2.82	1.41	1.41	46.10
535	0	10	-10	46.0	45.0	1.0	40.0	0.9	2.66	1.41	1.25	45.71
531	0	10	-5	45.5	43.0	1.0	34.0	0.9	2.58	1.40	1.18	45.50
472	0	10	0	45.2	42.0	1.0	35.0	0.8	2.45	1.39	1.06	45.45
518	0	10	0	45.3	42.5	1.0	35.0	0.8	2.45	1.39	1.06	45.39
476	0	10	5	45.3	42.0	1.0	31.0	0.6	2.15	1.39	0.76	45.48
523	0	10	5	45.5	42.0	1.0	38.0	0.8	2.48	1.39	1.09	45.43
526	0	10	10	45.5	42.2	1.0	41.0	1.0	2.78	1.39	1.39	45.53
561	0	20	-10	46.0	45.0	1.0	0.0	0.5	1.80	1.41	0.38	45.66
556	0	20	-5	45.3	43.7	1.0	0.0	0.6	1.85	1.40	0.45	45.35
539	0	20	0	45.2	43.0	1.0	35.0	0.6	2.19	1.40	0.79	45.30
544	0	20	5	45.2	43.0	1.0	28.0	0.6	2.13	1.40	0.73	45.29
549	0	20	10	45.3	43.0	1.0	35.0	0.5	2.06	1.40	0.66	45.43
251	3	-10	-15	42.1	30.0	1.0	35.2	1.0	2.47	1.20	1.28	41.46
246	3	-10	-10	41.3	27.5	1.0	34.0	1.0	2.39	1.14	1.25	41.04
242	3	-10	-5	41.1	25.0	1.0	33.0	1.0	2.33	1.10	1.23	40.78
238	3	-10	0	41.0	25.0	1.0	33.0	1.0	2.32	1.10	1.23	40.74
234	3	-10	5	41.1	25.0	1.0	33.0	1.0	2.33	1.10	1.23	41.04
230	3	-10	10	41.8	10.0	1.0	33.0	1.0	2.10	0.86	1.24	41.62
226	3	-10	15	43.1	18.0	1.0	35.0	1.0	2.30	1.02	1.29	42.90
108	3	0	-15									42.23
110	3	0	-15	43.0	35.0	1.0	29.5	1.0	2.49	1.29	1.20	42.20
105	3	0	-10	41.5	29.0	1.0	31.5	1.0	2.38	1.17	1.21	41.42
101	3	0	-5	41.0	30.0	1.0	30.0	1.0	2.36	1.18	1.18	41.05
97	3	0	0									41.05
91	3	0	5									41.38
92	3	0	5									41.17
88	3	0	10									41.81
86	3	0	15									42.67

* Indicates model was close to heave stop

TABLE 4.211.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.117, Cv = 1.5

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
114	3	10	-15	43.0	34.0	1.0	17.0	1.0	2.27	1.27	1.00	42.50
160	3	10	-10	41.5	35.0	1.0	12.0	1.0	2.15	1.26	0.89	41.54
164	3	10	-5	41.0	34.7	1.0	10.0	1.0	2.10	1.25	0.85	40.87
168	3	10	0	40.7	34.0	1.0	9.0	1.0	2.06	1.24	0.83	40.70
172	3	10	5	40.5	34.0	1.0	20.0	1.0	2.24	1.23	1.01	40.91
188	3	10	10	41.0	34.5	1.0	23.0	1.0	2.31	1.25	1.06	41.04
192	3	10	15	41.5	35.5	1.0	26.0	1.0	2.39	1.27	1.12	41.74
220	3	20	-15	42.8	38.5	1.0	14.0	1.0	2.27	1.33	0.94	41.67
216	3	20	-10	41.5	36.0	1.0	9.0	1.0	2.12	1.28	0.84	40.67
212	3	20	-5	41.0	35.0	1.0	5.0	1.0	2.02	1.26	0.77	40.06
204	3	20	5	40.2	34.5	1.0	19.0	1.0	2.22	1.24	0.98	39.76
208	3	20	5	40.5	34.5	1.0	7.0	1.0	2.03	1.24	0.79	39.86
200	3	20	10	41.0	35.0	1.0	23.0	1.0	2.32	1.26	1.06	40.34
196	3	20	15	41.5	35.5	1.0	25.0	1.0	2.38	1.27	1.11	40.94
420	6	-10	-15	32.3	20.0	1.0	27.0	1.0	1.86	0.87	0.99	33.52
416	6	-10	-10	32.0	19.6	1.0	26.0	1.0	1.82	0.86	0.96	32.98
412	6	-10	-5	31.0	19.0	1.0	26.0	1.0	1.78	0.83	0.95	32.69
409	6	-10	-5									32.60
394	6	-10	0	31.0	20.0	1.0	26.0	1.0	1.80	0.85	0.95	32.79
398	6	-10	5	32.0	19.5	1.0	26.5	1.0	1.83	0.86	0.97	33.61
402	6	-10	10	33.0	20.0	1.0	27.0	1.0	1.88	0.88	1.00	34.82
406	6	-10	15	35.1	14.0	1.0	29.0	1.0	1.88	0.82	1.07	35.95
296	6	0	-15	33.3	24.9	1.0	23.5	1.0	1.91	0.97	0.94	34.34
292	6	0	-10	32.8	23.8	1.0	23.0	1.0	1.87	0.94	0.93	33.55
288	6	0	-5	32.1	23.2	1.0	22.7	1.0	1.83	0.92	0.91	33.10
268	6	0	0	32.2	22.8	1.0	22.7	1.0	1.83	0.91	0.91	33.01
274	6	0	5	32.6	23.0	1.0	23.0	1.0	1.85	0.92	0.92	33.46
278	6	0	10	32.8	23.7	1.0	23.5	1.0	1.88	0.94	0.94	33.80
284	6	0	15	34.3	25.0	1.0	25.8	1.0	1.99	0.99	1.00	35.10
300	6	10	-15	34.2	29.0	1.0	13.2	1.0	1.84	1.05	0.79	34.47
305	6	10	-10	32.8	27.5	1.0	13.5	1.0	1.77	1.00	0.77	33.26
309	6	10	-5	31.4	25.3	1.0	16.2	1.0	1.73	0.94	0.79	32.79
325	6	10	0	31.0	26.0	1.0	16.5	1.0	1.74	0.95	0.79	32.12
329	6	10	5	31.4	26.0	1.0	16.0	1.0	1.74	0.95	0.79	32.69
333	6	10	10	31.6	26.7	1.0	17.0	1.0	1.78	0.97	0.81	33.17
337	6	10	15	32.2	27.9	1.0	19.0	1.0	1.85	1.00	0.85	33.69
365	6	20	-15	34.0	34.0	1.0	3.0	1.0	1.74	1.13	0.62	33.56
361	6	20	-10	32.0	31.0	1.0	0.0	1.0	1.58	1.05	0.53	31.96
357	6	20	-5	31.0	30.4	1.0	0.0	1.0	1.54	1.02	0.52	30.91
341	6	20	0	30.2	30.0	1.0	5.0	1.0	1.59	1.00	0.59	30.34
345	6	20	5	30.1	29.6	1.0	9.0	1.0	1.64	0.99	0.65	29.95
349	6	20	10	30.2	29.9	1.0	11.0	1.0	1.68	1.00	0.69	30.43
353	6	20	15	30.0	29.4	1.0	11.0	1.0	1.67	0.99	0.68	30.05

* Indicates model was close to heave stop

TABLE 4.213.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.117, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
587		0	-10	-10	46.0	43.0	1.0	43.0	1.0	2.81	1.40	1.40	45.44
583		0	-10	-5	45.5	44.0	0.9	41.0	1.0	2.65	1.26	1.39	45.25
571		0	-10	0	45.2	35.0	0.9	41.0	1.0	2.57	1.19	1.38	45.21
575		0	-10	5	46.0	28.0	0.9	46.0	1.0	2.52	1.11	1.42	45.59
579	*	0	-10	10	46.5	46.0	1.0	46.0	1.0	2.84	1.42	1.42	46.08
466	*	0	0	-10	46.3	46.0	1.0	41.0	1.0	2.81	1.42	1.40	46.09
461		0	0	-5	45.5	40.5	1.0	38.0	1.0	2.74	1.38	1.36	45.32
444		0	0	0	45.1	39.5	1.0	37.0	1.0	2.71	1.37	1.35	45.29
448		0	0	5	45.3	40.0	1.0	41.0	1.0	2.76	1.38	1.38	45.44
452	*	0	0	10	46.3	43.0	1.0	43.0	1.0	2.81	1.41	1.41	46.10
456	*	0	0	15	47.0	35.0	1.0	43.0	1.0	2.76	1.35	1.41	46.10
536		0	10	-10	46.3	45.0	1.0	36.0	1.0	2.77	1.42	1.35	45.88
532		0	10	-5	45.3	42.8	1.0	33.0	1.0	2.69	1.40	1.30	45.34
473		0	10	0	45.2	42.0	1.0	28.0	0.8	2.36	1.39	0.97	45.26
478		0	10	5	45.1	41.0	1.0	30.0	1.0	2.63	1.38	1.25	45.26
527		0	10	10	45.3	40.0	1.0	40.0	1.0	2.75	1.38	1.38	45.47
528		0	10	10	45.3	42.0	1.0	40.0	1.0	2.77	1.39	1.38	45.47
562	*	0	20	-10	46.3	46.0	1.0	0.0	1.0	2.19	1.42	0.77	45.93
567		0	20	-8	46.0	45.0	1.0	0.0	0.2	1.57	1.41	0.15	45.50
557		0	20	-5	45.3	45.0	1.0	0.0	0.6	1.86	1.41	0.45	45.17
558		0	20	-5	45.0	43.0	1.0	0.0	0.5	1.77	1.39	0.37	45.17
540		0	20	0	45.1	42.5	1.0	30.0	0.8	2.39	1.39	1.00	45.03
546		0	20	5	45.0	43.0	1.0	40.0	1.0	2.77	1.39	1.37	45.09
550		0	20	10	44.2	40.9	1.0	25.0	1.0	2.52	1.37	1.15	44.52
252		3	-10	-15	14.5	37.0	1.0	27.3	1.0	1.58	0.88	0.70	36.16
247		3	-10	-10	36.8	16.0	1.0	28.0	1.0	1.96	0.88	1.08	36.98
243		3	-10	-5	38.1	18.0	1.0	29.0	1.0	2.05	0.93	1.12	37.83
239		3	-10	0	39.0	18.0	1.0	30.0	1.0	2.09	0.95	1.15	38.42
235		3	-10	5	44.7	18.0	1.0	32.0	1.0	2.32	1.04	1.27	39.28
231		3	-10	10	41.5	25.0	1.0	33.0	1.0	2.34	1.11	1.23	41.21
227	*	3	-10	15	44.5	33.0	1.0	38.0	1.0	2.63	1.28	1.35	44.39
111		3	0	-15	41.0	31.5	1.0	28.0	1.0	2.35	1.20	1.15	40.71
106		3	0	-10	39.0	27.0	1.0	25.0	1.0	2.16	1.10	1.06	39.16
102		3	0	-5	39.0	24.0	1.0	25.0	1.0	2.11	1.05	1.06	38.85
98		3	0	0	39.0	24.0	1.0	24.0	1.0	2.10	1.05	1.05	38.63
94		3	0	5									39.06
89		3	0	10									40.31
85		3	0	15									42.31

* Indicates model was close to heave stop

TABLE 4.213.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.117, Cv = 3

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
115	3	10	-15	44.0	44.0	1.0	15.0	1.0	2.37	1.39	0.98	42.69
155	3	10	-15	43.0	37.5	1.0	16.0	1.0	2.30	1.32	0.98	42.05
156	3	10	-15	43.0	38.3	1.0	15.0	1.0	2.29	1.33	0.96	42.13
161	3	10	-10	40.0	33.0	1.0	10.0	1.0	2.04	1.21	0.83	39.87
165	3	10	-5	38.0	30.0	1.0	14.0	1.0	1.99	1.13	0.86	38.31
169	3	10	0	37.5	29.3	1.0	12.0	1.0	1.93	1.11	0.82	37.89
173	3	10	5	36.2	27.5	1.0	10.0	1.0	1.83	1.06	0.77	37.05
189	3	10	10	35.0	25.5	1.0	8.0	1.0	1.72	1.01	0.72	36.55
193	3	10	15	35.5	26.5	1.0	10.0	1.0	1.79	1.03	0.76	36.70
221	3	20	-15	42.5	37.8	1.0	0.0	0.5	1.67	1.32	0.35	41.20
217	3	20	-10	40.2	34.0	1.0	5.0	1.0	1.98	1.23	0.75	38.76
213	3	20	-5	38.1	31.0	1.0	7.0	1.0	1.90	1.15	0.75	37.20
209	3	20	0	37.3	30.0	1.0	9.0	1.0	1.89	1.12	0.77	36.55
205	3	20	5	35.3	28.0	1.0	6.0	1.0	1.74	1.05	0.69	34.94
201	3	20	10	34.0	26.6	1.0	4.0	1.0	1.64	1.01	0.63	33.86
197	3	20	15	33.0	25.0	1.0	1.0	1.0	1.53	0.96	0.57	32.29
421	6	-10	-15	16.5	4.0	1.0	11.4	1.0	0.80	0.34	0.46	17.86
417	6	-10	-10	18.0	6.5	1.0	13.0	1.0	0.92	0.41	0.52	19.20
413	6	-10	-5	20.0	7.0	1.0	14.5	1.0	1.02	0.45	0.57	20.73
395	6	-10	0	23.0	10.0	1.0	17.8	1.0	1.23	0.55	0.68	23.51
399	6	-10	5	25.0	11.0	1.0	20.0	1.0	1.35	0.60	0.75	25.71
403	6	-10	10	28.0	14.0	1.0	23.0	1.0	1.55	0.70	0.85	29.25
407	6	-10	15	33.0	20.0	1.0	26.0	1.0	1.86	0.88	0.98	33.74
297	6	0	-15	22.2	13.0	1.0	11.0	1.0	1.14	0.59	0.55	22.39
293	6	0	-10	20.9	12.0	1.0	10.0	1.0	1.06	0.55	0.51	21.24
289	6	0	-5	20.4	11.5	1.0	10.0	1.0	1.04	0.53	0.51	20.86
269	6	0	0	20.6	11.3	1.0	10.1	1.0	1.04	0.53	0.51	21.05
275	6	0	5	21.2	11.8	1.0	11.8	1.0	1.10	0.55	0.55	21.62
279	6	0	10	22.0	13.0	1.0	11.7	1.0	1.14	0.58	0.56	23.25
280	6	0	10	22.5	13.0	1.0	12.0	1.0	1.16	0.59	0.57	23.15
285	6	0	15	25.0	15.4	1.0	15.4	1.0	1.34	0.67	0.67	25.93
302	6	10	-15	28.0	22.9	1.0	11.5	1.0	1.50	0.85	0.66	27.91
306	6	10	-10	24.3	20.0	1.0	9.0	1.0	1.29	0.74	0.55	24.75
310	6	10	-5	22.1	17.0	1.0	11.4	1.0	1.21	0.65	0.56	22.26
326	6	10	0	19.4	14.8	1.0	3.6	1.0	0.95	0.57	0.38	19.87
330	6	10	5	17.3	12.7	1.0	1.0	1.0	0.80	0.50	0.30	18.15
334	6	10	10	16.0	11.5	1.0	0.0	1.0	0.72	0.46	0.27	16.91
338	6	10	15	15.3	10.5	1.0	0.0	0.9	0.66	0.43	0.23	16.24
366	6	20	-15	28.3	28.3	1.0	7.0	1.0	1.53	0.94	0.59	28.81
362	6	20	-10	25.0	25.0	1.0	3.0	1.0	1.30	0.83	0.47	25.08
358	6	20	-5	23.0	23.0	1.0	2.0	1.0	1.18	0.77	0.42	22.78
342	6	20	0	20.0	19.8	1.0	0.0	0.9	0.96	0.66	0.30	19.24
346	6	20	5	16.0	16.0	1.0	0.0	0.6	0.69	0.53	0.16	15.41
350	6	20	10	14.0	14.0	1.0	0.0	0.5	0.58	0.47	0.12	13.12
354	6	20	15	11.7	11.3	1.0	0.0	0.4	0.46	0.38	0.08	11.40

* Indicates model was close to heave stop

TABLE 4.214.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.117, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
588		0	-10	-10	45.5	45.0	1.0	42.0	1.0	2.80	1.41	1.39	45.36
584		0	-10	-5	45.0	35.0	1.0	40.5	1.0	2.70	1.32	1.38	45.07
572		0	-10	0	45.2	33.0	0.9	41.0	1.0	2.55	1.16	1.38	45.23
576	*	0	-10	5	46.5	28.0	0.9	46.0	1.0	2.53	1.11	1.42	46.06
580	*	0	-10	10	46.5	46.0	1.0	46.0	1.0	2.84	1.42	1.42	46.08
467	*	0	0	-10	46.3	46.0	1.0	41.0	1.0	2.81	1.42	1.40	46.10
462		0	0	-5	45.3	40.5	1.0	37.0	1.0	2.73	1.38	1.35	45.32
445		0	0	0	45.5	38.0	1.0	37.0	1.0	2.71	1.36	1.35	45.18
449		0	0	5	45.3	40.0	1.0	40.0	1.0	2.75	1.38	1.38	45.38
453	*	0	0	10	46.3	36.0	1.0	42.0	1.0	2.75	1.35	1.40	46.10
457	*	0	0	15	47.0	42.0	1.0	42.0	1.0	2.82	1.41	1.41	46.11
537	*	0	10	-10	46.5	46.0	1.0	40.0	1.0	2.81	1.42	1.39	46.08
533		0	10	-5	45.8	44.0	1.0	32.0	1.0	2.70	1.41	1.29	45.58
474		0	10	0	45.0	42.0	1.0	28.0	0.9	2.48	1.39	1.09	45.25
519		0	10	0	45.2	42.0	1.0	33.0	1.0	2.68	1.39	1.29	45.25
520		0	10	0	45.2	41.9	1.0	33.0	0.9	2.55	1.39	1.16	45.24
479		0	10	5	44.7	38.5	1.0	24.0	1.0	2.50	1.35	1.14	44.92
521		0	10	5	45.5	39.5	1.0	30.0	1.0	2.63	1.37	1.25	44.95
529		0	10	10	44.4	39.0	1.0	31.0	1.0	2.61	1.36	1.25	44.96
563		0	20	-10	45.0	45.0	1.0	0.0	1.0	2.16	1.41	0.75	45.79
566	*	0	20	-8	46.0	46.0	1.0	0.0	0.3	1.65	1.42	0.23	45.99
554		0	20	-5	45.3	44.0	1.0	37.0	0.7	2.35	1.40	0.94	45.31
559		0	20	-5	45.3	44.0	1.0	0.0	0.6	1.86	1.40	0.45	45.37
541		0	20	0	45.0	43.0	1.0	25.0	0.9	2.44	1.39	1.05	45.18
547		0	20	5	44.0	40.7	1.0	30.0	1.0	2.59	1.37	1.23	44.28
564		0	20	5	44.3	41.0	1.0	21.0	1.0	2.46	1.37	1.09	44.36
551		0	20	10	42.3	37.5	1.0	0.0	0.8	1.87	1.31	0.56	42.42
552		0	20	10	42.3	37.4	1.0	0.0	0.8	1.87	1.31	0.56	42.42
565		0	20	10	42.6	38.0	1.0	0.0	0.8	1.89	1.32	0.57	42.57
253		3	-10	-15	28.7	3.0	1.0	18.0	1.0	1.30	0.53	0.78	29.18
248		3	-10	-10	31.0	6.0	1.0	20.9	1.0	1.48	0.62	0.86	31.28
249		3	-10	-10									30.90
244		3	-10	-5	34.8	10.0	1.0	24.5	1.0	1.73	0.75	0.99	34.68
240		3	-10	0	36.1	14.0	1.0	27.0	1.0	1.88	0.83	1.05	36.77
236		3	-10	5	38.7	16.0	1.0	29.0	1.0	2.03	0.91	1.12	38.13
232		3	-10	10	41.8	25.0	1.0	32.0	1.0	2.34	1.11	1.22	41.58
228	*	3	-10	15	44.2	33.0	1.0	38.0	1.0	2.62	1.28	1.34	44.42
254	*	3	-10	15	44.2	33.0	1.0	38.0	1.0	2.62	1.28	1.34	44.39
112		3	0	-15	40.0	28.0	1.0	24.0	1.0	2.19	1.13	1.06	39.51
107		3	0	-10	36.0	20.0	1.0	17.0	1.0	1.81	0.93	0.88	36.48
103		3	0	-5	35.0	17.0	1.0	20.0	1.0	1.78	0.86	0.91	36.17
99		3	0	0	35.0	24.0	1.0	16.0	1.0	1.83	0.98	0.85	36.33
95		3	0	5									36.98
82		3	0	10									38.30
84		3	0	15									41.93

* Indicates model was close to heave stop

TABLE 4.214.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel Lk in	Stbd Chine Lcs in	Stbd Beam Bs :	Port Chine Lcp in	Port Beam Bp :	Wetted Areas: Total Atot sq.ft	Stbd As sq.ft	Port Ap sq.ft	SKWL in
158	3	10	-15	38.0	30.0	1.0	9.0	1.0	1.91	1.13	0.78	41.74
162	3	10	-10	38.0	35.0	1.0	8.0	1.0	1.97	1.21	0.77	37.83
166	3	10	-5	36.0	27.0	1.0	9.0	1.0	1.80	1.05	0.75	36.70
170	3	10	0	34.0	25.0	1.0	4.0	1.0	1.61	0.98	0.63	34.79
174	3	10	5	30.0	20.0	1.0	0.0	1.0	1.33	0.83	0.50	31.47
186	3	10	5	29.5	19.5	1.0	0.0	0.9	1.26	0.81	0.44	31.09
190	3	10	10	28.0	18.0	1.0	0.0	0.9	1.18	0.77	0.42	29.94
194	3	10	15	27.3	17.0	1.0	0.0	0.9	1.15	0.74	0.41	28.99
222	3	20	-15	37.5	30.5	1.0	9.0	1.0	1.90	1.13	0.77	38.47
224	3	20	-14	42.5	38.0	1.0	10.0	1.0	2.19	1.32	0.87	41.50
223	3	20	-13	41.8	37.0	1.0	11.0	1.0	2.17	1.30	0.88	40.76
218	3	20	-10	38.5	31.5	1.0	4.0	1.0	1.87	1.16	0.71	37.20
214	3	20	-5	35.8	28.3	1.0	6.0	1.0	1.76	1.07	0.70	35.25
210	3	20	0	33.6	25.0	1.0	2.0	1.0	1.57	0.97	0.59	31.34
206	3	20	5	29.0	23.0	1.0	0.0	0.8	1.25	0.86	0.39	26.56
202	3	20	10	27.0	19.8	1.0	0.0	0.7	1.09	0.78	0.31	25.22
198	3	20	15	25.0	17.0	1.0	0.0	0.7	0.99	0.70	0.29	24.27
422	6	-10	-15	11.8	0.0	0.8	6.0	1.0	0.45	0.16	0.30	13.65
418	6	-10	-10	12.5	0.0	0.8	6.5	1.0	0.48	0.17	0.32	13.65
414	6	-10	-5	13.1	0.0	0.9	7.0	1.0	0.53	0.20	0.33	14.23
396	6	-10	0	15.0	6.0	1.0	9.0	1.0	0.75	0.35	0.40	15.76
400	6	-10	5	17.5	4.0	1.0	11.7	1.0	0.84	0.36	0.49	18.25
404	6	-10	10	21.4	7.0	1.0	16.0	1.0	1.09	0.47	0.62	22.36
408	6	-10	15	28.3	16.0	1.0	23.1	1.0	1.59	0.74	0.85	29.92
298	6	0	-15	14.1	4.0	1.0	2.8	1.0	0.58	0.30	0.28	14.64
294	6	0	-10	13.6	3.6	1.0	2.5	1.0	0.55	0.29	0.27	14.16
290	6	0	-5	13.4	3.0	1.0	2.0	1.0	0.53	0.27	0.26	14.06
270	6	0	0	13.2	2.5	1.0	2.0	1.0	0.51	0.26	0.25	13.87
272	6	0	0	13.1	3.0	1.0	1.8	1.0	0.52	0.27	0.25	13.78
276	6	0	5	13.2	3.5	1.0	2.7	1.0	0.54	0.28	0.26	14.25
281	6	0	10	13.7	14.7	1.0	2.8	1.0	0.75	0.47	0.27	14.45
286	6	0	15	13.7	5.6	1.0	3.0	1.0	0.60	0.32	0.28	14.92
303	6	10	-15	18.3	14.5	1.0	3.0	1.0	0.90	0.55	0.35	18.92
307	6	10	-10	16.4	11.0	1.0	0.0	1.0	0.73	0.46	0.27	17.00
311	6	10	-5	14.0	13.5	1.0	0.0	0.8	0.64	0.46	0.19	14.42
322	6	10	-5	14.0	9.0	1.0	0.0	0.8	0.57	0.38	0.19	14.42
327	6	10	0	12.5	7.3	1.0	0.0	0.7	0.47	0.33	0.15	13.46
331	6	10	5	11.6	6.9	1.0	0.0	0.6	0.42	0.31	0.12	12.41
335	6	10	10	11.3	11.5	1.0	0.0	0.6	0.49	0.38	0.11	12.41
339	6	10	15	11.1	6.0	1.0	0.0	0.6	0.40	0.28	0.11	12.32
367	6	20	-15	25.0	24.0	1.0	2.0	1.0	1.26	0.81	0.45	23.26
363	6	20	-10	18.5	18.5	1.0	0.0	0.8	0.86	0.62	0.25	18.19
359	6	20	-5	15.9	17.0	1.0	0.0	0.7	0.73	0.55	0.19	15.89
343	6	20	0	12.0	12.0	1.0	0.0	0.5	0.50	0.40	0.10	11.40
347	6	20	5	9.0	10.0	1.0	0.0	0.4	0.38	0.32	0.06	9.48
351	6	20	10	8.0	8.0	1.0	0.0	0.3	0.31	0.27	0.04	8.05
355	6	20	15	7.0	7.5	1.0	0.0	0.3	0.28	0.24	0.03	7.19

* Indicates model was close to heave stop

TABLE 4.221.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
2935		0	-10	-15									45.95
2936		0	-10	-15									45.91
2931		0	-10	-10	45.9	45.9	0.9	45.9	1.0	2.69	1.27	1.42	45.56
2927		0	-10	-5	45.9	45.9	0.9	45.9	1.0	2.69	1.27	1.42	45.41
2913		0	-10	0	45.4	37.8	0.8	45.4	1.0	2.50	1.09	1.41	45.40
2917		0	-10	5	45.9	40.5	0.8	45.9	1.0	2.53	1.11	1.42	45.49
2921		0	-10	10	45.9	45.9	0.9	45.9	1.0	2.69	1.27	1.42	45.78
2925	*	0	-10	15	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.18
2832	*	0	0	-15	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.07
2826		0	0	-10	46.8	40.5	1.0	40.5	1.0	2.80	1.40	1.40	45.66
2822		0	0	-5	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	45.46
2799		0	0	0	45.6	45.6	1.0	45.6	1.0	2.83	1.41	1.41	45.43
2803		0	0	5	45.9	43.2	1.0	43.2	1.0	2.81	1.40	1.40	45.52
2817		0	0	10	45.9	45.9	1.0	45.9	1.0	2.83	1.42	1.42	45.69
2860	*	0	10	-15	46.8	46.8	1.0	27.9	0.2	1.67	1.42	0.25	46.04
2856		0	10	-10	46.3	46.3	1.0	18.0	1.0	2.49	1.42	1.07	45.68
2852		0	10	-5	45.9	45.9	1.0	35.1	1.0	2.75	1.42	1.33	45.39
2836		0	10	0	45.4	45.4	1.0	36.0	1.0	2.75	1.41	1.34	45.31
2840		0	10	5	45.6	43.2	1.0	36.9	1.0	2.75	1.40	1.35	45.35
2844		0	10	10	45.9	45.9	1.0	45.9	1.0	2.83	1.42	1.42	45.47
2848		0	10	15	45.9	42.3	1.0	40.5	1.0	2.79	1.40	1.39	45.79
2849		0	10	15	46.3	46.3	1.0	46.3	1.0	2.84	1.42	1.42	45.80
2894	*	0	20	-15									45.96
2890		0	20	-10	45.9	40.5	1.0	0.0	0.2	1.54	1.39	0.15	45.44
2886		0	20	-5	45.9	40.5	1.0	0.0	0.5	1.77	1.39	0.38	45.15
2865		0	20	0	45.9	44.1	1.0	39.6	0.6	2.24	1.41	0.83	45.06
2869		0	20	5	43.2	43.2	1.0	30.6	0.4	1.87	1.38	0.49	45.16
2873		0	20	10	45.4	43.2	1.0	24.3	0.6	2.09	1.40	0.70	45.24
2877		0	20	15	45.9	45.9	1.0	15.3	0.7	2.13	1.42	0.71	45.43
3073		3	-10	-15	42.8	31.0	1.0	36.0	1.0	2.52	1.23	1.30	40.91
3069		3	-10	-10	42.3	28.8	1.0	35.1	1.0	2.46	1.18	1.28	40.25
3065		3	-10	-5	41.8	27.0	1.0	35.1	1.0	2.41	1.14	1.27	40.16
3048		3	-10	0	41.8	27.0	1.0	30.3	1.0	2.34	1.14	1.20	40.11
3052		3	-10	5	42.3	27.0	1.0	35.5	1.0	2.44	1.15	1.28	40.47
3057		3	-10	10	43.2	32.4	1.0	36.9	1.0	2.57	1.25	1.32	41.33
3060		3	-10	15	44.5	36.5	1.0	39.6	1.0	2.69	1.33	1.36	42.76
2968		3	0	-15	42.3	34.2	1.0	29.7	1.0	2.46	1.26	1.20	41.97
2963		3	0	-10	42.3	32.4	1.0	29.7	1.0	2.43	1.24	1.20	41.05
2959		3	0	-5	42.3	31.9	1.0	31.9	1.0	2.46	1.23	1.23	40.79
2943		3	0	0	41.4	32.8	1.0	31.9	1.0	2.45	1.23	1.22	40.88
2947		3	0	5	42.3	32.8	1.0	32.8	1.0	2.49	1.24	1.24	41.13
2951		3	0	10	42.3	33.3	1.0	33.3	1.0	2.50	1.25	1.25	41.66
2955		3	0	15	43.2	36.0	1.0	36.0	1.0	2.61	1.30	1.30	42.67

* Indicates model was close to heave stop

TABLE 4.221.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.234, Cv = 1.5

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
2985	3	10	-15									41.78
2986	3	10	-15	43.2	37.8	1.0	18.0	1.0	2.34	1.33	1.02	41.82
2981	3	10	-10	42.3	36.0	1.0	16.2	1.0	2.26	1.29	0.97	40.87
2977	3	10	-5	41.4	35.1	1.0	17.1	1.0	2.24	1.26	0.97	40.47
2973	3	10	0	41.4	35.1	1.0	17.1	1.0	2.24	1.26	0.97	40.34
2990	3	10	5	42.3	35.3	1.0	27.0	1.0	2.43	1.28	1.15	40.65
2994	3	10	10	42.3	36.0	1.0	28.8	1.0	2.47	1.29	1.18	40.96
2998	3	10	15	43.2	36.9	1.0	31.5	1.0	2.56	1.32	1.24	41.70
3043	3	20	-15	43.2	40.5	1.0	18.0	1.0	2.37	1.35	1.02	41.11
3038	3	20	-10	41.8	37.8	1.0	0.0	0.5	1.65	1.31	0.35	39.91
3034	3	20	-5	40.8	37.6	1.0	0.0	1.0	1.97	1.29	0.68	39.25
3004	3	20	0	40.5	36.9	1.0	0.0	1.0	1.95	1.27	0.67	39.35
3008	3	20	5	40.5	36.9	1.0	0.0	1.0	1.95	1.27	0.67	39.46
3025	3	20	10	41.0	37.3	1.0	24.3	1.0	2.37	1.29	1.09	39.71
3030	3	20	15	41.4	37.8	1.0	24.8	1.0	2.40	1.30	1.10	39.91
3199	6	-10	-15	33.1	21.6	1.0	28.6	1.0	1.94	0.91	1.03	31.26
3195	6	-10	-10	28.1	20.7	1.0	28.2	1.0	1.75	0.81	0.94	30.78
3191	6	-10	-5	32.5	20.4	1.0	27.9	1.0	1.88	0.88	1.00	30.78
3187	6	-10	0	33.1	19.8	1.0	28.2	1.0	1.90	0.88	1.02	31.16
3203	6	-10	5	34.0	22.0	1.0	28.9	1.0	1.98	0.93	1.05	32.21
3207	6	-10	10									33.69
3211	6	-10	15	36.8	15.3	1.0	31.5	1.0	2.00	0.87	1.13	35.35
3212	6	-10	15	37.3	15.3	1.0	32.1	1.0	2.03	0.87	1.15	35.78
3107	6	0	-15	34.4	25.8	1.0	25.2	1.0	1.99	1.00	0.99	32.81
3102	6	0	-10	34.1	25.2	1.0	25.2	1.0	1.97	0.99	0.99	31.86
3098	6	0	-5	33.2	24.3	1.0	24.3	1.0	1.91	0.96	0.96	31.09
3082	6	0	0	28.8	24.3	1.0	24.3	1.0	1.77	0.88	0.88	31.47
3085	6	0	5	34.0	25.0	1.0	25.0	1.0	1.96	0.98	0.98	32.14
3090	6	0	10	34.6	26.1	1.0	26.1	1.0	2.02	1.01	1.01	33.28
3094	6	0	15	36.3	27.8	1.0	27.9	1.0	2.13	1.07	1.07	34.97
3151	6	10	-15	34.8	29.7	1.0	14.8	1.0	1.90	1.07	0.82	33.07
3147	6	10	-10	33.5	28.5	1.0	15.3	1.0	1.84	1.03	0.81	31.54
3143	6	10	-5	32.7	27.7	1.0	18.0	1.0	1.85	1.00	0.84	30.78
3126	6	10	0	32.1	27.7	1.0	19.8	1.0	1.86	0.99	0.86	30.97
3130	6	10	5	32.5	27.9	1.0	20.3	1.0	1.88	1.00	0.88	31.26
3135	6	10	10	33.5	28.8	1.0	21.6	1.0	1.95	1.04	0.92	31.74
3139	6	10	15	34.0	29.5	1.0	22.5	1.0	2.00	1.06	0.94	32.60
3169	6	20	-15	34.2	32.4	1.0	8.1	1.0	1.81	1.11	0.70	31.87
3165	6	20	-10	33.3	31.5	1.0	4.5	1.0	1.71	1.08	0.63	30.53
3161	6	20	-5	31.8	31.5	1.0	7.2	1.0	1.70	1.05	0.65	29.57
3157	6	20	0	31.5	31.5	1.0	9.0	1.0	1.72	1.05	0.67	28.52
3173	6	20	5	31.8	31.2	1.0	17.1	1.0	1.86	1.05	0.81	28.90
3177	6	20	10	31.5	30.9	1.0	17.1	1.0	1.85	1.04	0.81	28.62
3181	6	20	15	31.5	30.6	1.0	17.1	1.0	1.84	1.03	0.81	28.23

* Indicates model was close to heave stop

TABLE 4.223.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{CS} in	Stbd Beam B_S :	Port Chine L_{CP} in	Port Beam B_P :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_S sq.ft	Port A_P sq.ft	SKWL in
2937	*	0	-10	-15	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.04
2939	*	0	-10	-15	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.04
2932		0	-10	-10	45.9	45.9	1.0	45.9	1.0	2.83	1.42	1.42	45.48
2928		0	-10	-5	45.4	45.4	1.0	45.4	1.0	2.82	1.41	1.41	45.24
2914		0	-10	0	45.4	37.8	0.8	45.4	1.0	2.50	1.09	1.41	45.25
2918		0	-10	5	45.9	45.9	0.9	45.9	1.0	2.69	1.27	1.42	45.62
2922	*	0	-10	10	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.14
2833	*	0	0	-15	46.8	46.8	1.0	42.3	0.4	1.98	1.42	0.56	45.99
2828		0	0	-10	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	45.74
2823		0	0	-5	45.0	45.0	1.0	45.0	0.4	1.97	1.41	0.56	45.26
2800		0	0	0	45.6	45.6	1.0	45.6	1.0	2.83	1.41	1.41	45.29
2804		0	0	5	45.9	43.2	1.0	43.2	1.0	2.81	1.40	1.40	45.48
2818	*	0	0	10	46.8	46.8	1.0	46.8	1.0	2.84	1.42	1.42	46.10
2857		0	10	-10	46.8	46.8	1.0	24.3	0.5	2.01	1.42	0.59	45.70
2853		0	10	-5	45.4	43.2	1.0	33.3	1.0	2.70	1.40	1.30	45.23
2837		0	10	0	45.4	42.3	1.0	34.2	1.0	2.71	1.39	1.31	45.15
2841		0	10	5	45.4	43.2	1.0	35.1	1.0	2.73	1.40	1.33	45.20
2845		0	10	10	45.4	40.5	1.0	40.5	1.0	2.76	1.38	1.38	45.27
2850	*	0	10	15	46.3	46.3	1.0	46.3	1.0	2.84	1.42	1.42	46.12
2896	*	0	20	-15	46.8	46.8	1.0	0.0	0.1	1.50	1.42	0.08	45.89
2892		0	20	-10	45.9	44.1	1.0	0.0	0.1	1.49	1.41	0.08	45.35
2887		0	20	-5	45.9	40.5	1.0	0.0	0.5	1.77	1.39	0.38	45.02
2866		0	20	0	44.1	42.3	1.0	36.0	0.6	2.17	1.38	0.79	44.91
2870		0	20	5	44.1	42.3	1.0	25.2	1.0	2.53	1.38	1.15	44.91
2874		0	20	10	44.1	40.5	1.0	25.2	1.0	2.52	1.37	1.15	43.65
2878		0	20	15	43.2	38.7	1.0	17.1	1.0	2.34	1.34	1.00	42.07
2883		0	20	15	43.2	38.7	1.0	0.0	0.8	1.91	1.34	0.57	42.12
3074		3	-10	-15	37.7	17.1	1.0	28.8	1.0	2.02	0.91	1.11	35.57
3070		3	-10	-10	37.7	18.0	1.0	29.6	1.0	2.04	0.93	1.12	36.32
3066		3	-10	-5	39.0	19.8	1.0	30.9	1.0	2.14	0.98	1.16	37.12
3049		3	-10	0	39.6	21.6	1.0	31.8	1.0	2.20	1.02	1.19	38.01
3053		3	-10	5									39.18
3054		3	-10	5	40.8	23.4	1.0	33.3	1.0	2.29	1.07	1.23	39.18
3058		3	-10	10	42.8	29.7	1.0	36.8	1.0	2.51	1.20	1.31	41.33
3062	*	3	-10	15	45.0	37.8	1.0	42.3	1.0	2.74	1.35	1.39	44.49
2969		3	0	-15	42.3	33.3	1.0	29.7	1.0	2.45	1.25	1.20	41.21
2964		3	0	-10	41.4	29.7	1.0	27.9	1.0	2.33	1.18	1.15	39.26
2960		3	0	-5	38.7	27.0	1.0	26.1	1.0	2.17	1.09	1.08	38.52
2944		3	0	0	38.7	27.9	1.0	26.5	1.0	2.19	1.11	1.08	38.69
2948		3	0	5	39.1	27.0	1.0	27.0	1.0	2.20	1.10	1.10	38.90
2953		3	0	10	40.5	29.7	1.0	28.8	1.0	2.32	1.17	1.15	39.85
2956		3	0	15	42.3	34.2	1.0	34.2	1.0	2.53	1.26	1.26	42.12

* Indicates model was close to heave stop

TABLE 4.223.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.234, Cv = 3

				Wetted Lengths					Wetted Areas			
RUN	Trim deg	Roll deg	Yaw deg	Keel L_k in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
2987	3	10	-15	43.6	32.4	1.0	0.0	0.2	1.40	1.26	0.15	38.19
2982	3	10	-10	40.5	34.2	1.0	13.5	1.0	2.13	1.24	0.90	39.38
2978	3	10	-5	38.0	31.9	1.0	18.0	1.0	2.09	1.16	0.93	38.19
2974	3	10	0	36.9	30.6	1.0	18.0	1.0	2.03	1.12	0.91	37.26
2991	3	10	5	36.5	28.1	1.0	14.4	1.0	1.92	1.07	0.85	36.16
2995	3	10	10	35.6	27.6	1.0	13.5	1.0	1.87	1.05	0.82	35.39
2999	3	10	15	35.5	26.1	1.0	12.6	1.0	1.82	1.02	0.80	35.19
3044	3	20	-15	40.5	36.0	1.0	9.0	1.0	2.09	1.26	0.82	38.29
3039	3	20	-10	39.1	36.0	1.0	0.0	0.5	1.57	1.24	0.33	38.05
3035	3	20	-5	37.8	34.8	1.0	0.0	1.0	1.83	1.20	0.63	36.47
3005	3	20	0	36.9	33.3	1.0	9.0	1.0	1.93	1.16	0.76	35.72
3009	3	20	5	32.8	31.0	1.0	8.1	1.0	1.74	1.06	0.68	31.34
3026	3	20	10	27.2	27.9	1.0	1.8	1.0	1.40	0.92	0.48	26.18
3031	3	20	15	24.0	25.6	1.0	0.0	1.0	1.22	0.82	0.40	21.97
3200	6	-10	-15	17.9	5.4	1.0	13.5	1.0	0.91	0.39	0.52	16.91
3196	6	-10	-10	19.6	7.2	1.0	15.3	1.0	1.03	0.45	0.58	18.53
3192	6	-10	-5	22.4	9.9	1.0	17.5	1.0	1.20	0.54	0.66	20.54
3188	6	-10	0	24.1	11.7	1.0	19.4	1.0	1.32	0.60	0.72	22.65
3204	6	-10	5	26.3	13.5	1.0	21.5	1.0	1.46	0.66	0.80	24.75
3208	6	-10	10									28.20
3213	6	-10	15									35.47
3108	6	0	-15	22.7	14.4	1.0	13.5	1.0	1.22	0.62	0.60	21.24
3103	6	0	-10	21.8	13.5	1.0	12.6	1.0	1.16	0.59	0.57	20.28
3104	6	0	-10	21.8	12.6	1.0	12.6	1.0	1.14	0.57	0.57	19.99
3099	6	0	-5	21.3	12.6	1.0	11.7	1.0	1.11	0.56	0.55	19.52
3081	6	0	0	22.5	13.5	1.0	13.5	1.0	1.20	0.60	0.60	20.66
3086	6	0	5	22.8	12.6	1.0	13.3	1.0	1.19	0.59	0.60	20.95
3091	6	0	10	23.6	14.2	1.0	14.2	1.0	1.26	0.63	0.63	21.81
3095	6	0	15	26.7	18.0	1.0	18.0	1.0	1.49	0.74	0.74	25.26
3152	6	10	-15	27.0	22.9	1.0	11.7	1.0	1.47	0.83	0.64	25.42
3148	6	10	-10	24.6	20.7	1.0	10.8	1.0	1.34	0.75	0.59	22.65
3144	6	10	-5	26.7	18.0	1.0	9.0	1.0	1.34	0.74	0.59	20.16
3127	6	10	0	18.9	14.6	1.0	6.3	1.0	0.98	0.56	0.42	18.73
3131	6	10	5	17.8	13.0	1.0	4.9	1.0	0.89	0.51	0.38	16.72
3136	6	10	10	16.5	11.7	1.0	4.3	1.0	0.81	0.47	0.35	15.76
3140	6	10	15	15.0	10.1	1.0	2.3	1.0	0.71	0.42	0.29	14.32
3170	6	20	-15	29.9	29.6	1.0	8.1	1.0	1.62	0.99	0.63	27.37
3166	6	20	-10	25.8	26.3	1.0	6.3	1.0	1.40	0.87	0.53	23.07
3162	6	20	-5	22.9	22.9	1.0	7.2	1.0	1.26	0.76	0.50	20.67
3158	6	20	0	20.7	20.7	1.0	5.4	1.0	1.12	0.69	0.43	18.38
3174	6	20	5	16.2	16.5	1.0	1.8	1.0	0.84	0.54	0.30	14.27
3178	6	20	10	14.1	14.1	1.0	0.0	0.9	0.68	0.47	0.21	11.68
3182	6	20	15	12.6	13.5	1.0	0.0	0.8	0.60	0.43	0.17	10.53

* Indicates model was close to heave stop

TABLE 4.224.1 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.234, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel L_K in	Stbd Chine L_{cs} in	Stbd Beam B_s :	Port Chine L_{cp} in	Port Beam B_p :	Wetted Areas: Total A_{tot} sq.ft	Stbd A_s sq.ft	Port A_p sq.ft	SKWL in
2933		0	-10	-10	45.9	45.9	1.0	45.9	1.0	2.83	1.42	1.42	45.48
2929		0	-10	-5	45.4	45.9	0.9	45.4	1.0	2.69	1.27	1.41	45.26
2915		0	-10	0	45.4	18.0	0.6	41.4	0.6	1.47	0.63	0.83	45.23
2919		0	-10	5	46.3	45.9	0.8	45.9	1.0	2.55	1.13	1.42	45.79
2829		0	0	-10									45.74
2824		0	0	-5	45.4	40.5	1.0	37.8	1.0	2.74	1.38	1.36	45.27
2801		0	0	0	45.0	45.0	1.0	43.2	1.0	2.80	1.41	1.40	45.24
2805		0	0	5	45.9	43.2	1.0	43.2	1.0	2.81	1.40	1.40	45.50
2820	*	0	0	10									46.08
2858		0	10	-10	45.9	45.9	1.0	39.6	0.3	1.83	1.42	0.41	45.62
2854		0	10	-5	45.4	43.2	1.0	31.5	1.0	2.68	1.40	1.28	45.26
2838		0	10	0	45.2	42.3	1.0	34.2	1.0	2.70	1.39	1.31	45.16
2842		0	10	5	45.2	41.8	1.0	34.2	1.0	2.70	1.39	1.31	45.11
2846		0	10	10	43.2	38.7	1.0	28.8	1.0	2.53	1.34	1.20	44.32
2893		0	20	-10	45.9	44.1	1.0	0.0	0.1	1.49	1.41	0.08	45.30
2888		0	20	-5									45.05
2867		0	20	0	44.1	42.3	1.0	35.1	0.7	2.29	1.38	0.91	44.95
2871		0	20	5	44.1	41.4	1.0	27.0	1.0	2.55	1.37	1.18	44.20
2875		0	20	10	42.3	38.3	1.0	0.0	0.8	1.88	1.32	0.56	41.45
2879		0	20	15	39.6	36.0	1.0	0.0	0.5	1.58	1.25	0.33	39.63
2884		0	20	15	40.5	36.0	1.0	0.0	0.5	1.60	1.26	0.34	39.63
3075		3	-10	-15	35.3	12.6	1.0	25.2	1.0	1.80	0.80	1.01	33.18
3071		3	-10	-10	36.2	15.3	1.0	27.3	1.0	1.91	0.86	1.06	34.68
3067		3	-10	-5	37.8	16.2	1.0	28.8	1.0	2.00	0.90	1.11	35.92
3050		3	-10	0	38.9	18.0	1.0	30.5	1.0	2.10	0.95	1.15	37.32
3055		3	-10	5	40.1	22.5	1.0	32.4	1.0	2.24	1.04	1.20	38.76
3059		3	-10	10	42.3	29.3	1.0	36.2	1.0	2.48	1.19	1.29	41.54
2970		3	0	-15	42.3	33.3	1.0	29.3	1.0	2.44	1.25	1.19	41.00
2965		3	0	-10	43.6	27.9	1.0	25.2	1.0	2.33	1.19	1.14	38.74
2961		3	0	-5	37.8	25.2	1.0	23.8	1.0	2.07	1.05	1.02	37.76
2945		3	0	0	38.3	24.3	1.0	24.3	1.0	2.08	1.04	1.04	37.76
2949		3	0	5	38.7	25.2	1.0	25.2	1.0	2.12	1.06	1.06	37.95
2952		3	0	10	39.1	26.1	1.0	26.1	1.0	2.17	1.08	1.08	38.74
2957		3	0	15	42.3	32.4	1.0	32.4	1.0	2.48	1.24	1.24	41.50

* Indicates model was close to heave stop

TABLE 4.224.2 - WETTED AREA DATA
20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Wetted Lengths: Keel Lk in	Stbd Chine Lcs in	Stbd Beam Bs :	Port Chine Lcp in	Port Beam Bp :	Wetted Areas: Total Atot sq.ft	Stbd As sq.ft	Port Ap sq.ft	SKWL in
2988	3	10	-15	37.8	30.6	1.0	13.5	1.0	1.99	1.14	0.85	36.77
2983	3	10	-10	40.0	33.8	1.0	15.3	1.0	2.14	1.22	0.92	39.38
2979	3	10	-5	36.9	31.0	1.0	16.2	1.0	2.01	1.13	0.88	37.52
2975	3	10	0	35.5	27.9	1.0	13.5	1.0	1.87	1.05	0.81	35.48
2992	3	10	5	33.4	22.5	1.0	7.2	1.0	1.60	0.93	0.68	31.66
2996	3	10	10	31.0	20.2	1.0	6.3	1.0	1.47	0.85	0.62	29.18
3000	3	10	15	26.5	17.1	1.0	0.0	0.8	1.08	0.73	0.35	27.08
3045	3	20	-15	40.5	35.1	1.0	0.0	1.0	1.92	1.25	0.67	36.70
3040	3	20	-10	38.7	35.3	1.0	0.0	0.3	1.42	1.22	0.19	37.67
3041	3	20	-10	39.1	35.1	1.0	0.0	0.3	1.42	1.23	0.20	37.67
3036	3	20	-5	37.3	34.0	1.0	4.5	1.0	1.88	1.18	0.70	36.23
3006	3	20	0	33.7	31.5	1.0	6.3	1.0	1.75	1.08	0.67	32.67
3010	3	20	5	25.6	26.1	1.0	0.0	1.0	1.29	0.86	0.43	23.69
3027	3	20	10	20.9	21.8	1.0	0.0	0.7	0.95	0.71	0.24	19.30
3028	3	20	10	20.6	21.0	1.0	0.0	0.7	0.93	0.69	0.24	18.73
3032	3	20	15	18.4	18.9	1.0	0.0	0.7	0.83	0.62	0.21	16.05
3201	6	-10	-15	13.9	0.9	1.0	9.0	1.0	0.63	0.25	0.38	13.08
3197	6	-10	-10	15.9	2.7	1.0	10.9	1.0	0.76	0.31	0.45	14.61
3193	6	-10	-5	17.1	4.5	1.0	11.7	1.0	0.84	0.36	0.48	15.95
3189	6	-10	0	20.1	6.3	1.0	15.0	1.0	1.02	0.44	0.58	18.63
3205	6	-10	5	22.4	9.0	1.0	17.4	1.0	1.18	0.52	0.66	20.73
3209	6	-10	10	24.6	10.8	1.0	19.3	1.0	1.32	0.59	0.73	23.13
3109	6	0	-15	16.9	7.9	1.0	7.2	1.0	0.81	0.41	0.40	15.79
3105	6	0	-10	16.4	8.1	1.0	7.2	1.0	0.80	0.41	0.39	15.12
3100	6	0	-5	16.1	15.3	1.0	15.3	1.0	1.04	0.52	0.52	14.83
3083	6	0	0	14.7	6.1	1.0	6.1	1.0	0.69	0.35	0.35	14.92
3087	6	0	5	16.2	7.0	1.0	7.0	1.0	0.77	0.39	0.39	15.50
3092	6	0	10	17.3	16.6	1.0	16.6	1.0	1.13	0.56	0.56	16.45
3096	6	0	15	9.3	1.8	1.0	0.9	1.0	0.35	0.18	0.17	10.43
3153	6	10	-15	22.9	18.9	1.0	9.3	1.0	1.23	0.70	0.54	21.31
3149	6	10	-10	19.4	14.4	1.0	6.3	1.0	0.99	0.56	0.43	17.77
3145	6	10	-5	16.0	11.7	1.0	3.6	1.0	0.79	0.46	0.33	14.99
3128	6	10	0	14.4	9.9	1.0	0.9	1.0	0.66	0.40	0.25	13.85
3132	6	10	5	13.6	9.0	1.0	0.0	1.0	0.60	0.38	0.23	13.08
3137	6	10	10	12.3	8.1	1.0	0.0	1.0	0.54	0.34	0.20	12.22
3141	6	10	15	11.9	7.2	1.0	0.0	1.0	0.52	0.32	0.20	11.84
3171	6	20	-15	28.3	28.1	1.0	6.3	1.0	1.51	0.94	0.58	25.65
3167	6	20	-10	22.0	22.0	1.0	4.5	1.0	1.17	0.73	0.44	19.43
3163	6	20	-5	18.0	18.2	1.0	0.0	1.0	0.90	0.60	0.30	15.99
3159	6	20	0	15.3	15.3	1.0	0.0	0.9	0.74	0.51	0.23	12.83
3175	6	20	5	10.5	10.8	1.0	0.0	0.6	0.46	0.35	0.10	9.10
3179	6	20	10	9.9	10.2	1.0	0.0	0.6	0.43	0.33	0.10	7.95
3183	6	20	15	8.6	9.0	1.0	0.0	0.6	0.38	0.29	0.09	7.28

* Indicates model was close to heave stop

TABLE 5.100.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2112	-2	-10	0	0	0.04	-0.02	11.49	0.58	1.03	0.00	2.60	0.70
2116	-2	-10	5	0	0.04	-0.04	11.49	0.50	1.08	0.02	2.57	0.73
2120	-2	-10	10	0	0.02	-0.04	11.49	0.41	1.09	-0.01	2.57	0.73
2122	-2	-10	15	0	0.02	-0.10	11.49	0.26	1.16	-0.01	2.57	0.73
2059	-2	0	0	0	0.04	-0.07	11.49	0.02	1.44	0.01	2.63	0.73
2065	-2	0	5	0	0.04	-0.08	11.49	-0.13	1.39	0.02	2.59	0.77
2069	-2	0	10	0	0.03	-0.07	11.49	-0.21	1.32	-0.01	2.59	0.77
2070	-2	0	15	0	0.02	-0.09	11.49	-0.36	1.30	0.00	2.61	0.75
2074	-2	10	0	0	0.04	-0.05	11.49	-0.54	0.85	0.03	2.62	0.68
2078	-2	10	5	0	0.04	-0.03	11.49	-0.59	0.83	0.01	2.61	0.69
2081	-2	10	10	0	-0.00	-0.08	11.49	-0.74	0.73	0.00	2.60	0.70
2083	-2	10	15	0	-0.00	-0.08	11.49	-0.80	0.68	-0.02	2.60	0.70
2090	-2	20	0	0	0.00	-0.01	11.49	-0.70	0.26	0.03	2.64	0.47
2094	-2	20	5	0	0.02	-0.09	11.49	-0.82	0.28	0.01	2.61	0.50
2098	-2	20	10	0	0.03	-0.10	11.49	-0.79	0.18	0.01	2.57	0.54
2108	-2	20	12	0	0.02	-0.08	11.49	-0.79	0.16	0.01	2.61	0.50
2101	-2	20	15	0	0.01	-0.08	11.49	-0.81	0.08	0.00	2.59	0.52
1829	0	-10	0	0	0.00	-0.02	11.49	0.58	-3.40	0.02	2.65	1.34
1833	0	-10	5	0	-0.01	-0.01	11.49	0.88	-3.36	0.02	2.65	1.34
1837	0	-10	10	0	-0.00	-0.01	11.49	1.14	-3.20	0.01	2.64	1.35
1843	0	-10	15	0	-0.00	-0.01	11.49	1.44	-3.16	0.01	2.66	1.33
1760	0	0	0	0	-0.01	0.00	11.49	-0.03	-3.71	0.01	2.61	1.36
1764	0	0	5	0	-0.02	-0.02	11.49	0.27	-3.71	0.01	2.60	1.37
1768	0	0	10	0	-0.01	-0.02	11.49	0.60	-3.64	0.01	2.61	1.36
1773	0	0	15	0	0.00	0.01	11.49	0.95	-3.57	0.01	2.59	1.38
1779	0	10	0	0	-0.01	0.01	11.49	-0.61	-3.79	0.05	2.56	1.35
1783	0	10	5	0	0.02	-0.02	11.49	-0.32	-3.77	0.01	2.57	1.34
1787	0	10	10	0	-0.00	-0.02	11.49	-0.02	-3.76	0.01	2.58	1.33
1792	0	10	15	0	-0.00	-0.01	11.49	0.32	-3.79	0.00	2.58	1.33
1809	0	21	0	0	-0.11	0.04	11.49	-0.77	-3.75	0.08	2.68	1.09
1814	0	21	5	0	0.00	0.01	11.49	-0.47	-3.71	0.02	2.69	1.08
1819	0	21	10	0	0.02	-0.00	11.49	-0.15	-3.69	0.00	2.70	1.07
1823	0	21	15	0	0.01	-0.04	11.49	0.09	-3.62	-0.02	2.72	1.05
1918	3	-11	0	0	-0.09	0.04	11.49	0.45	-8.88	0.03	2.79	2.23
1922	3	-11	5	0	-0.02	0.08	11.49	1.25	-8.78	0.04	2.81	2.21
1926	3	-11	10	0	-0.01	0.09	11.49	2.02	-8.70	0.03	2.80	2.22
1930	3	-11	15	0	-0.03	0.07	11.49	2.76	-8.54	0.04	2.81	2.21
1850	3	0	0	0	-0.01	0.04	11.49	-0.03	-9.53	0.05	2.81	2.40
1854	3	0	0	0	-0.01	0.03	11.49	-0.03	-9.49	0.04	2.90	2.31
1856	3	0	5	0	-0.01	0.01	11.49	0.76	-9.43	0.04	2.90	2.31
1860	3	0	10	0	-0.01	0.03	11.49	1.58	-9.30	0.03	2.91	2.30
1864	3	0	15	0	-0.02	0.01	11.49	2.36	-9.10	0.04	2.90	2.31

* Indicates model was close to heave stop

TABLE 5.100.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1880	3	10	0	0	-0.02	0.07	11.49	-0.45	-9.09	0.06	2.79	2.23
1884	3	10	5	0	-0.03	-0.04	11.49	0.21	-9.09	0.06	2.80	2.22
1888	3	10	10	0	-0.02	0.06	11.49	1.13	-9.10	0.05	2.80	2.22
1894	3	10	15	0	-0.02	0.01	11.49	1.83	-8.83	0.02	2.84	2.18
1900	3	21	0	0	-0.02	0.02	11.49	-0.76	-8.55	0.05	2.82	2.01
1904	3	21	5	0	-0.02	0.02	11.49	-0.00	-8.60	0.01	2.83	2.00
1908	3	21	10	0	-0.02	0.01	11.49	0.74	-8.54	0.02	2.83	2.00
1912	3	21	15	0	0.01	0.07	11.49	1.55	-8.48	0.03	2.84	1.99
2022	6	-10	0	0	-0.02	0.06	11.49	0.29	-12.00	0.08	3.22	3.08
2026	6	-10	5	0	0.00	0.02	11.49	1.30	-11.96	0.04	3.21	3.09
2030	6	-10	10	0	-0.00	-0.01	11.49	2.31	-11.86	0.03	3.21	3.09
2034	6	-10	15	0	-0.02	-0.00	11.49	3.33	-11.53	0.03	3.22	3.08
1963	6	0	0	0	0.01	0.03	11.49	-0.04	-12.18	0.08	3.18	3.05
1967	6	0	5	0	0.00	0.01	11.49	1.01	-12.24	0.07	3.18	3.05
1972	6	0	10	0	-0.01	-0.01	11.49	2.05	-12.03	0.05	3.20	3.03
1976	6	0	15	0	-0.01	-0.02	11.49	3.08	-11.80	0.03	3.23	3.00
1982	6	10	0	0	0.01	0.00	11.49	-0.36	-11.97	0.06	3.25	2.91
1986	6	10	5	0	0.00	0.00	11.49	0.68	-12.18	0.04	3.23	2.93
1990	6	10	10	0	-0.01	-0.02	11.49	1.71	-12.01	0.05	3.24	2.92
1993	6	10	10	0	-0.01	-0.01	11.49	1.70	-11.97	0.00	3.15	3.01
1995	6	10	15	0	-0.01	-0.01	11.49	2.74	-11.82	0.03	3.15	3.01
2002	6	20	0	0	-0.03	0.04	11.49	-0.55	-11.68	0.06	3.20	2.82
2007	6	20	5	0	0.02	0.03	11.49	0.45	-11.64	0.05	3.19	2.83
2011	6	20	10	0	0.02	0.03	11.49	1.47	-11.61	0.06	3.19	2.83
2015	6	20	15	0	0.02	0.03	11.49	2.48	-11.46	0.05	3.19	2.83

* Indicates model was close to heave stop

TABLE 5.101.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2113	-2	-10	0	7.38	1.65	0.13	11.49	0.31	4.40	0.31	2.21	1.09
2117	-2	-10	5	7.36	1.95	1.14	11.49	-0.28	4.60	2.01	2.03	1.27
2121	-2	-10	10	7.37	3.04	3.20	11.49	-1.18	5.39	4.88	1.66	1.64
2123 *	-2	-10	15	7.37	4.45	5.73	11.49	-2.62	6.13	7.93	1.50	1.80
2060	-2	0	0	7.36	1.70	-0.02	11.49	0.18	4.91	0.05	2.18	1.18
2063	-2	0	0	7.36	1.70	-0.03	11.49	0.21	4.91	0.07	2.17	1.19
2066	-2	0	5	7.37	1.92	0.80	11.49	-0.57	5.12	1.46	2.04	1.32
2068	-2	0	10	7.36	2.58	2.19	11.49	-1.19	5.30	3.64	1.85	1.51
2071 *	-2	0	15	7.36	4.03	4.48	11.49	-2.25	5.56	7.06	1.50	1.86
2075	-2	10	0	7.37	1.61	-0.20	11.49	-0.18	4.26	-0.30	2.24	1.06
2079	-2	10	5	7.36	1.68	0.50	11.49	-0.79	4.69	1.00	2.21	1.09
2082	-2	10	10	7.37	2.12	1.58	11.49	-1.67	4.98	2.63	2.05	1.25
2084	-2	10	15	7.37	3.36	3.55	11.49	-2.57	5.21	5.47	1.75	1.55
2091	-2	20	0	7.37	1.49	-0.18	11.49	-0.30	3.47	-0.25	2.33	0.78
2095	-2	20	5	7.39	1.66	0.48	11.49	-0.86	4.40	1.10	2.30	0.81
2099	-2	20	10	7.36	2.11	1.59	11.49	-1.45	5.10	2.51	2.20	0.91
2102	-2	20	15	7.39	2.80	3.49	11.49	-2.15	5.89	4.42	2.03	1.08
1830	0	-10	0	7.37	1.25	-0.09	11.49	0.51	0.74	-0.11	2.40	1.59
1834	0	-10	5	7.38	1.46	0.59	11.49	0.32	0.56	0.65	2.31	1.68
1840	0	-10	10	7.36	2.10	1.96	11.49	-0.25	1.04	1.99	2.06	1.93
1844	0	-10	15	7.37	3.47	4.54	11.49	-1.61	1.87	4.07	1.73	2.26
1761	0	0	0	7.37	1.25	-0.02	11.49	0.07	0.92	-0.01	2.38	1.59
1765	0	0	5	7.37	1.35	0.32	11.49	-0.08	0.97	0.48	2.34	1.63
1769	0	0	10	7.39	1.70	0.97	11.49	-0.40	1.16	1.26	2.21	1.76
1774	0	0	15	7.37	2.73	2.64	11.49	-1.03	1.77	2.92	1.88	2.09
1780	0	10	0	7.37	1.30	0.04	11.49	-0.42	0.65	0.12	2.35	1.56
1784	0	10	5	7.37	1.38	0.47	11.49	-0.58	1.09	0.59	2.35	1.56
1788	0	10	10	7.37	1.64	1.06	11.49	-0.76	1.49	1.13	2.31	1.60
1789	0	10	10	7.37	1.63	1.03	11.49	-0.74	1.41	1.08	2.31	1.60
1793	0	10	15	7.37	2.27	2.03	11.49	-1.12	2.46	1.71	2.15	1.76
1810	0	21	0	7.37	1.10	-0.05	11.49	-0.67	-0.29	-0.01	2.47	1.30
1815	0	21	5	7.36	1.25	0.63	11.49	-0.83	0.34	0.65	2.47	1.30
1820	0	21	10	7.36	1.57	1.72	11.49	-0.95	1.00	1.21	2.45	1.32
1824	0	21	15	7.37	2.26	2.87	11.49	-1.43	2.51	1.62	2.40	1.37
1919	3	-11	0	7.37	1.15	-0.06	11.49	0.53	-4.78	-0.15	2.78	2.24
1923	3	-11	5	7.37	1.34	0.70	11.49	0.92	-4.84	-0.30	2.71	2.31
1927	3	-11	10	7.37	1.76	1.83	11.49	0.95	-4.44	-0.50	2.55	2.47
1931	3	-11	15	7.38	2.83	4.17	11.49	0.35	-3.53	-0.55	2.22	2.80
1851	3	0	0	7.37	1.08	0.04	11.49	0.06	-5.04	0.05	2.81	2.40
1855	3	0	0	7.37	1.15	0.04	11.49	0.02	-5.08	0.05	2.92	2.29
1857	3	0	5	7.37	1.26	0.55	11.49	0.44	-4.88	-0.24	2.89	2.32
1861	3	0	10	7.37	1.55	1.27	11.49	0.72	-4.21	-0.60	2.79	2.42
1865	3	0	15	7.37	2.12	2.33	11.49	0.62	-3.02	-0.97	2.59	2.62

* Indicates model was close to heave stop

TABLE 5.101.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1881	3	10	0	7.38	1.20	0.07	11.49	-0.49	-4.99	0.23	2.77	2.25
1885	3	10	5	7.37	1.23	0.72	11.49	-0.14	-4.70	-0.04	2.81	2.21
1889	3	10	10	7.37	1.48	1.55	11.49	0.35	-4.17	-0.50	2.79	2.23
1895	3	10	15	7.36	1.96	2.32	11.49	0.43	-2.68	-1.11	2.73	2.29
1901	3	21	0	7.37	1.28	0.06	11.49	-0.77	-5.05	0.36	2.78	2.05
1905	3	21	5	7.37	1.43	1.12	11.49	-0.50	-4.69	-0.04	2.81	2.02
1909	3	21	10	7.37	1.77	2.32	11.49	-0.22	-4.28	-0.63	2.83	2.00
1913	3	21	15	7.37	2.20	3.22	11.49	0.06	-3.03	-1.19	2.86	1.97
2023	6	-10	0	7.37	1.64	-0.23	11.49	0.43	-8.60	-0.01	3.37	2.93
2027	6	-10	5	7.37	1.73	0.67	11.49	1.19	-8.62	-0.97	3.30	3.00
2031	6	-10	10	7.37	2.07	1.86	11.49	1.82	-8.25	-2.06	3.18	3.12
2035	6	-10	15	7.37	2.83	3.76	11.49	2.17	-7.55	-3.66	2.98	3.32
1964	6	0	0	7.37	1.48	0.00	11.49	0.06	-8.57	0.10	3.39	2.84
1969	6	0	5	7.37	1.56	0.82	11.49	0.94	-8.41	-0.96	3.39	2.84
1973	6	0	10	7.37	1.88	1.68	11.49	1.87	-7.88	-2.01	3.30	2.93
1977	6	0	15	7.36	2.39	2.69	11.49	2.29	-7.16	-3.20	3.23	3.00
1983	6	10	0	7.37	1.63	0.33	11.49	0.11	-8.55	0.15	3.44	2.72
1987	6	10	5	7.36	1.70	1.25	11.49	0.88	-8.37	-0.87	3.45	2.71
1991	6	10	10	7.37	1.91	2.17	11.49	1.62	-7.55	-2.12	3.45	2.71
1996	6	10	15	7.37	2.28	2.71	11.49	1.94	-7.01	-2.87	3.37	2.79
2003	6	20	0	7.37	1.65	0.50	11.49	-0.16	-8.65	0.21	3.34	2.68
2008	6	20	5	7.37	1.88	1.75	11.49	0.66	-8.29	-0.92	3.41	2.61
2012	6	20	10	7.37	2.24	3.03	11.49	1.21	-7.61	-2.37	3.42	2.60
2016	6	20	15	7.37	2.64	3.42	11.49	1.68	-6.90	-2.94	3.50	2.52

* Indicates model was close to heave stop

TABLE 5.103.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2114	-2	-10	0	14.75	6.83	1.97	11.49	0.20	1.11	2.09	1.94	1.36
2118	-2	-10	5	14.74	8.65	8.32	11.49	-0.94	0.45	11.10	1.58	1.72
2064	-2	0	0	14.74	6.55	0.16	11.49	0.08	0.37	0.19	1.99	1.37
2067	-2	0	5	14.74	7.96	5.88	11.49	-0.50	0.23	8.01	1.58	1.78
2076	-2	10	0	14.73	6.34	-1.51	11.49	-0.23	1.23	-1.67	2.05	1.25
2080	-2	10	5	14.74	7.32	2.68	11.49	-1.39	2.54	4.77	1.82	1.48
2092	-2	20	0	14.76	5.61	-0.99	11.49	-0.28	2.42	-0.19	2.15	0.96
2096	-2	20	5	14.74	5.61	3.00	11.49	-0.88	5.07	5.55	2.31	0.80
2100	-2	20	10	14.74	7.47	7.87	11.49	-2.59	9.30	11.09	2.14	0.97
2103	-2	20	15	14.73	6.51	5.25	11.49	-3.69	18.06	8.56	2.86	0.25
1831	0	-10	0	14.75	3.73	-0.09	11.49	0.48	3.93	-1.70	2.60	1.39
1835	0	-10	5	14.73	5.31	3.40	11.49	-0.50	4.74	0.17	2.21	1.78
1841	0	-10	10	14.77	9.12	12.29	11.49	-2.99	6.17	4.78	1.72	2.27
1845	0	-10	15	14.73	13.16	21.99	11.49	-6.54	7.20	7.58	1.72	2.27
1762	0	0	0	14.74	3.55	0.01	11.49	0.10	4.76	-0.13	2.54	1.43
1766	0	0	5	14.75	4.77	2.13	11.49	-0.46	6.15	-0.76	2.40	1.57
1770 *	0	0	10	14.74	9.34	10.43	11.49	-2.71	8.95	1.89	1.52	2.45
1775 *	0	0	15	14.73	12.65	17.06	11.49	-5.88	11.78	4.23	1.51	2.46
1781	0	10	0	14.74	3.64	0.10	11.49	-0.36	4.03	1.20	2.52	1.39
1785	0	10	5	14.74	4.04	1.93	11.49	-0.72	7.68	1.42	2.47	1.44
1790	0	10	10	14.73	4.60	3.31	11.49	-1.56	10.50	1.67	2.61	1.30
1794	0	10	15	14.75	5.02	4.34	11.49	-2.02	11.04	1.72	2.82	1.09
1811	0	21	0	14.73	3.58	0.03	11.49	-0.52	0.97	0.84	2.68	1.09
1816	0	21	5	14.71	3.87	2.88	11.49	-1.09	5.32	1.94	2.69	1.08
1821	0	21	10	14.74	3.41	3.37	11.49	-1.52	7.17	1.73	3.06	0.71
1825	0	21	15	14.74	3.09	3.07	11.49	-1.21	1.93	-0.53	3.69	0.08
1920	3	-11	0	14.75	2.33	-0.75	11.49	0.63	-2.64	-0.11	3.25	1.77
1924	3	-11	5	14.74	3.03	2.10	11.49	0.69	-2.55	-1.83	3.09	1.93
1928	3	-11	10	14.77	5.36	7.89	11.49	-0.34	-0.60	-4.07	2.63	2.39
1933	3	-11	15	14.75	12.65	24.35	11.49	-4.50	5.03	-2.76	1.61	3.41
1852	3	0	0	14.74	1.86	-0.01	11.49	0.01	-2.48	0.12	3.33	1.88
1858	3	0	5	14.75	2.26	1.06	11.49	0.50	-2.59	-0.89	3.42	1.79
1862	3	0	10	14.73	3.00	2.87	11.49	0.66	-1.85	-2.55	3.38	1.83
1866	3	0	15	14.73	4.84	6.30	11.49	0.08	0.30	-5.44	3.16	2.05

* Indicates model was close to heave stop

TABLE 5.103.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1882	3	10	0	14.72	2.26	0.62	11.49	-0.61	-2.99	0.37	3.27	1.75
1886	3	10	5	14.73	2.08	1.66	11.49	-0.08	-3.22	-0.73	3.50	1.52
1890	3	10	10	14.73	2.04	2.12	11.49	1.07	-6.13	-1.63	3.83	1.19
1891	3	10	10	14.73	2.02	2.07	11.49	1.06	-6.16	-1.64	3.83	1.19
1896	3	10	15	14.77	2.06	2.42	11.49	2.67	-9.65	-2.86	4.14	0.88
1902	3	21	0	14.73	2.77	0.59	11.49	-0.87	-3.21	0.95	3.25	1.58
1906	3	21	5	14.74	2.47	3.33	11.49	-0.71	-3.24	-1.34	3.55	1.28
1910	3	21	10	14.74	2.13	3.31	11.49	0.27	-6.83	-2.74	4.12	0.71
1914	3	21	15	14.73	2.01	3.11	11.49	1.54	-10.15	-3.51	4.55	0.28
2024	6	-10	0	14.74	2.02	-1.39	11.49	0.41	-10.16	1.60	4.64	1.66
2028	6	-10	5	14.76	2.42	0.02	11.49	1.34	-8.89	-0.57	4.33	1.97
2032	6	-10	10	14.72	3.29	3.12	11.49	1.75	-7.67	-4.31	4.05	2.25
2036	6	-10	15	14.73	5.69	9.42	11.49	1.13	-5.57	-10.71	3.60	2.70
1965	6	0	0	14.73	1.65	0.04	11.49	0.02	-11.54	0.14	4.84	1.39
1970	6	0	5	14.73	1.55	0.29	11.49	1.28	-11.49	-0.30	4.84	1.39
1974	6	0	10	14.74	1.84	0.71	11.49	2.59	-10.97	-1.09	4.83	1.40
1978	6	0	15	14.73	2.42	1.63	11.49	3.68	-10.66	-2.74	4.77	1.46
1984	6	10	0	14.75	1.98	1.56	11.49	-0.03	-10.73	-1.48	4.71	1.45
1988	6	10	5	14.73	1.86	1.74	11.49	1.28	-12.69	-2.19	5.08	1.08
1992	6	10	10	14.73	1.87	1.88	11.49	2.70	-14.15	-2.78	5.33	0.83
1997	6	10	15	14.73	1.92	1.88	11.49	4.06	-14.63	-3.08	5.38	0.78
2004	6	20	0	14.74	2.22	2.34	11.49	-0.67	-9.09	-1.52	4.38	1.64
2009	6	20	5	14.73	2.32	4.34	11.49	0.04	-10.97	-4.71	4.77	1.25
2013	6	20	10	14.72	2.11	2.94	11.49	1.52	-13.24	-3.95	5.33	0.69
2017	6	20	15	14.73	2.27	2.63	11.49	2.99	-14.36	-4.06	5.58	0.44

* Indicates model was close to heave stop

TABLE 5.104.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2115		-2	-10	0	19.64	12.86	4.55	11.49	0.94	-3.53	4.75	1.61	1.69
2077		-2	10	0	19.68	12.80	-3.70	11.49	-0.38	-3.71	-4.00	1.56	1.74
2093	*	-2	20	0	19.64	13.21	-6.59	11.49	-0.37	1.45	-9.80	1.52	1.59
2097	*	-2	20	5	19.64	13.50	3.44	11.49	-1.35	5.92	6.32	1.55	1.56
2105		-2	20	10	19.67	12.16	6.37	11.49	-3.35	26.38	12.81	2.23	0.88
2107		-2	20	10	19.69	16.47	18.18	11.49	-2.13	9.06	21.32	1.67	1.44
2109		-2	20	12	19.66	7.59	4.83	11.49	-3.68	21.47	8.11	3.04	0.07
2104		-2	20	15	19.66	5.40	3.82	11.49	-3.44	14.69	4.14	3.58	-0.47
1832		0	-10	0	19.66	6.88	-0.67	11.49	0.32	9.60	-3.77	2.44	1.55
1836		0	-10	5	19.63	11.28	7.44	11.49	-1.57	11.37	2.84	1.71	2.28
1842		0	-10	10	19.65	15.23	20.59	11.49	-5.76	12.70	8.84	1.72	2.27
1846		0	-10	15	19.69	22.41	39.16	11.49	-11.92	13.28	13.28	1.69	2.30
1763		0	0	0	19.66	6.51	-0.07	11.49	0.15	12.36	-0.28	2.28	1.69
1767		0	0	5	19.67	9.00	2.54	11.49	-1.06	15.11	-0.74	2.17	1.80
1772	*	0	0	10	19.62	15.11	14.85	11.49	-4.91	18.07	5.03	1.47	2.50
1776	*	0	0	15	19.64	21.48	28.66	11.49	-9.96	21.71	7.42	1.45	2.52
1782		0	10	0	19.65	6.76	0.73	11.49	-0.06	10.57	2.17	2.33	1.58
1786		0	10	5	19.62	5.87	2.14	11.49	-0.92	14.73	2.33	2.59	1.32
1791		0	10	10	19.65	4.95	2.74	11.49	-1.18	11.30	1.83	3.03	0.88
1795		0	10	15	19.66	4.23	3.48	11.49	-0.55	5.00	0.05	3.37	0.54
1812		0	21	0	19.63	6.61	0.44	11.49	-0.37	5.20	2.09	2.52	1.25
1818		0	21	5	19.64	5.52	3.03	11.49	-1.38	12.17	3.05	2.79	0.98
1822		0	21	10	19.64	4.19	2.80	11.49	-1.55	5.09	0.22	3.59	0.18
1826		0	21	15	19.62	2.46	1.88	11.49	-0.70	-2.88	-0.81	4.20	-0.43
1921		3	-11	0	19.65	2.88	-1.28	11.49	0.62	-2.44	0.63	3.57	1.45
1925		3	-11	5	19.66	4.37	2.33	11.49	0.61	-0.44	-2.45	3.26	1.76
1929		3	-11	10	19.64	8.25	12.35	11.49	-1.38	3.53	-6.49	2.65	2.37
1934		3	-11	15	19.69	20.72	42.29	11.49	-9.05	13.41	-4.80	1.59	3.43
1853		3	0	0	19.68	2.41	0.06	11.49	-0.02	-4.39	0.14	3.80	1.41
1859		3	0	5	19.65	2.67	0.64	11.49	0.77	-4.23	-0.39	3.80	1.41
1863		3	0	10	19.64	3.33	2.27	11.49	1.41	-4.14	-2.44	3.80	1.41
1867		3	0	15	19.63	4.90	5.34	11.49	1.36	-2.04	-6.02	3.66	1.55

* Indicates model was close to heave stop

TABLE 5.104.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1883	3	10	0	19.64	2.79	1.25	11.49	-0.73	-3.07	-0.46	3.61	1.41
1887	3	10	5	19.69	2.29	1.83	11.49	0.33	-8.36	-1.74	4.06	0.96
1893	3	10	10	19.65	1.93	2.06	11.49	1.58	-11.39	-2.54	4.30	0.72
1897	3	10	15	19.63	1.93	2.06	11.49	2.88	-12.74	-2.94	4.43	0.59
1903	3	21	0	19.63	3.84	1.31	11.49	-1.03	-2.01	1.12	3.48	1.35
1907	3	21	5	19.63	2.55	3.08	11.49	-0.63	-6.15	-2.06	4.10	0.73
1911	3	21	10	19.64	2.02	2.85	11.49	0.56	-10.98	-3.05	4.60	0.23
1915	3	21	15	19.67	1.91	2.28	11.49	2.03	-13.51	-2.98	4.92	-0.09
2025	6	-10	0	19.64	1.83	-0.89	11.49	0.63	-13.99	1.56	5.35	0.95
2029	6	-10	5	19.67	2.40	-0.43	11.49	1.75	-12.01	0.42	5.04	1.26
2033	6	-10	10	19.62	3.52	2.60	11.49	2.42	-9.66	-4.20	4.69	1.61
2037	6	-10	15	19.63	6.50	10.23	11.49	1.49	-6.40	-13.81	4.18	2.12
1966	6	0	0	19.65	1.45	0.19	11.49	0.03	-16.81	-0.03	5.54	0.69
1971	6	0	5	19.64	1.51	0.48	11.49	1.71	-16.45	-0.65	5.53	0.70
1975	6	0	10	19.64	1.66	0.79	11.49	3.43	-16.16	-1.33	5.51	0.72
1979	6	0	15	19.64	1.98	1.08	11.49	5.20	-15.54	-2.05	5.46	0.77
1985	6	10	0	19.63	1.89	1.20	11.49	-0.33	-14.69	-1.42	5.43	0.73
1989	6	10	5	19.65	1.74	1.30	11.49	1.16	-15.66	-1.82	5.58	0.58
1994	6	10	10	19.67	1.75	1.37	11.49	2.41	-16.29	-2.11	5.58	0.58
1998	6	10	15	19.64	1.80	1.38	11.49	3.98	-16.31	-2.36	5.66	0.50
2005	6	20	0	19.63	2.46	3.00	11.49	-0.98	-11.30	-2.94	5.02	1.00
2010	6	20	5	19.68	2.25	3.80	11.49	0.13	-13.66	-4.86	5.44	0.58
2014	6	20	10	19.68	1.97	2.28	11.49	1.43	-16.07	-3.27	5.82	0.20
2018	6	20	15	19.66	1.96	1.86	11.49	3.30	-16.29	-2.97	5.95	0.07

* Indicates model was close to heave stop

TABLE 5.110.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
753	0	-10	-15	0	-0.07	0.30	11.49	-0.20	-3.42	0.07	2.68	1.41
749	0	-10	-10	0	0.01	0.13	11.49	-0.02	-3.41	0.00	2.68	1.41
745	0	-10	-5	0	0.03	0.05	11.49	0.21	-3.40	-0.01	2.71	1.38
732	0	-10	0	0	0.03	0.13	11.49	0.60	-3.33	0.02	2.73	1.36
736	0	-10	5	0	0.01	0.09	11.49	0.83	-3.33	0.00	2.73	1.36
740	0	-10	10	0	0.00	0.01	11.49	1.05	-3.35	0.07	2.72	1.37
664	0	0	-10	0	0.04	0.09	11.49	-0.76	-3.54	-0.01	2.51	1.64
660	0	0	-5	0	0.03	0.05	11.49	-0.41	-3.56	0.02	2.52	1.63
643	0	0	0	0	0.06	0.03	11.49	-0.11	-3.56	0.00	2.58	1.57
645	0	0	0	0	0.09	0.05	11.49	-0.08	-3.38	-0.01	3.69	0.46
647	0	0	0	0	0.08	0.03	11.49	-0.08	-3.37	0.00	2.61	1.54
648	0	0	0	0	0.06	0.05	11.49	-0.06	-3.46	0.01	2.61	1.54
653	0	0	5	0	0.04	0.06	11.49	0.26	-3.58	0.01	2.58	1.57
656	0	0	10	0	0.03	0.05	11.49	0.57	-3.64	0.02	2.58	1.57
668	0	10	-10	0	0.02	0.12	11.49	-1.27	-3.30	-0.01	2.55	1.54
689	0	10	-10	0	0.05	0.01	11.49	-1.42	-3.24	0.02	2.49	1.60
685	0	10	-5	0	0.03	0.05	11.49	-1.06	-3.37	-0.02	2.52	1.57
672	0	10	5	0	0.02	0.06	11.49	-0.44	-3.60	-0.02	2.55	1.54
676	0	10	10	0	0.01	0.07	11.49	-0.08	-3.70	-0.01	2.54	1.55
681	0	10	15	0	0.02	0.07	11.49	0.25	-3.75	-0.01	2.54	1.55
728	0	20	-10	0	0.06	-0.06	11.49	-1.62	-3.22	0.09	2.65	1.25
724	0	20	-5	0	0.03	0.08	11.49	-1.20	-3.26	-0.02	2.69	1.21
706	0	20	0	0	0.03	0.10	11.49	-0.85	-3.46	-0.02	2.72	1.18
707	0	20	0	0	0.03	0.10	11.49	-0.86	-3.45	-0.02	2.72	1.18
711	0	20	5	0	0.04	0.04	11.49	-0.59	-3.54	0.01	2.70	1.20
715	0	20	10	0	0.04	0.09	11.49	-0.24	-3.66	0.01	2.69	1.21
720	0	20	15	0	0.03	0.10	11.49	0.07	-3.68	-0.01	2.69	1.21
883	3	-10	-15	0	0.01	0.00	11.49	-1.90	-8.49	-0.06	2.83	2.43
887	3	-10	-10	0	-0.04	0.04	11.49	-1.17	-8.80	-0.03	2.84	2.42
891	3	-10	-5	0	-0.00	0.03	11.49	-0.41	-8.94	-0.03	2.81	2.45
895	3	-10	0	0	0.02	0.00	11.49	0.32	-8.87	-0.03	2.85	2.41
899	3	-10	5	0	-0.00	0.07	11.49	1.17	-8.87	-0.03	2.85	2.41
903	3	-10	10	0	0.01	0.02	11.49	1.88	-8.76	-0.03	2.85	2.41
907	3	-10	15	0	-0.00	0.03	11.49	2.68	-8.71	-0.02	2.83	2.43
802	3	0	-15	0	0.00	0.03	11.49	-2.49	-8.85	-0.08	2.80	2.52
798	3	0	-10	0	0.00	0.05	11.49	-1.75	-9.31	-0.07	2.75	2.57
794	3	0	-5	0	0.02	0.01	11.49	-0.93	-9.23	-0.06	2.80	2.52
759	3	0	0	0	-0.01	0.08	11.49	-0.10	-9.26	-0.03	2.95	2.37
763	3	0	5	0	-0.01	0.10	11.49	0.73	-9.32	-0.05	2.96	2.36
767	3	0	10	0	-0.02	0.02	11.49	1.57	-9.33	-0.06	2.95	2.37
790	3	0	10	0	0.01	0.04	11.49	1.52	-9.28	-0.04	2.80	2.52
771	3	0	15	0	-0.03	0.05	11.49	2.37	-9.34	-0.05	2.93	2.39
786	3	0	15	0	0.00	0.05	11.49	2.30	-9.05	-0.04	2.85	2.47

* Indicates model was close to heave stop

TABLE 5.110.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
836	3	10	-15	0	0.02	-0.00	11.49	-2.91	-8.56	-0.05	2.83	2.43
832	3	10	-10	0	-0.01	0.05	11.49	-2.12	-8.75	-0.06	2.85	2.41
828	3	10	-5	0	-0.01	-0.00	11.49	-1.39	-8.92	-0.06	2.85	2.41
811	3	10	0	0	-0.01	0.07	11.49	-0.56	-9.22	-0.05	2.81	2.45
816	3	10	5	0	-0.02	0.04	11.49	0.21	-9.20	-0.04	2.85	2.41
820	3	10	10	0	-0.02	0.03	11.49	1.05	-9.17	-0.02	2.86	2.40
824	3	10	15	0	-0.01	0.03	11.49	1.84	-9.05	-0.04	2.87	2.39
875	3	20	-15	0	-0.00	0.04	11.49	-2.98	-7.96	-0.05	2.87	2.20
870	3	20	-10	0	-0.01	0.05	11.49	-2.17	-8.19	-0.05	2.89	2.18
853	3	20	-5	0	-0.01	-0.04	11.49	-1.64	-8.41	-0.10	2.87	2.20
867	3	20	-5	0	-0.01	0.12	11.49	-1.52	-8.38	-0.05	2.93	2.14
841	3	20	0	0	0.04	-0.08	11.49	-0.84	-8.49	-0.10	2.86	2.21
845	3	20	5	0	-0.01	-0.09	11.49	-0.17	-8.63	-0.07	2.88	2.19
849	3	20	10	0	-0.03	-0.07	11.49	0.60	-8.63	-0.08	2.88	2.19
878	3	20	15	0	-0.04	0.01	11.49	1.45	-8.75	-0.01	2.84	2.23
1053	6	-10	-15	0	-0.03	0.02	11.49	-3.10	-12.43	-0.08	3.13	3.29
1049	6	-10	-10	0	-0.04	0.07	11.49	-2.01	-12.76	-0.08	3.14	3.28
1044	6	-10	-5	0	-0.02	0.11	11.49	-0.87	-12.74	-0.11	3.17	3.25
1011	6	-10	0	0	-0.02	0.02	11.49	0.16	-12.11	-0.05	3.22	3.20
1033	6	-10	0	0	-0.01	0.03	11.49	0.20	-12.31	-0.06	3.21	3.21
1040	6	-10	5	0	-0.04	0.05	11.49	1.31	-12.61	-0.05	3.18	3.24
1015	6	-10	10	0	-0.03	0.04	11.49	2.32	-12.21	-0.05	3.21	3.21
1019	6	-10	15	0	-0.03	-0.02	11.49	3.36	-12.11	-0.05	3.19	3.23
1035	6	-10	15	0	-0.02	0.08	11.49	3.43	-11.99	-0.06	3.21	3.21
937	6	0	-15	0	-0.01	-0.01	11.49	-3.35	-11.98	-0.09	3.21	3.27
933	6	0	-10	0	-0.01	-0.00	11.49	-2.29	-12.26	-0.10	3.21	3.27
929	6	0	-5	0	-0.01	-0.03	11.49	-1.26	-12.46	-0.14	3.21	3.27
912	6	0	0	0	0.03	-0.05	11.49	-0.19	-12.40	-0.07	3.22	3.26
917	6	0	5	0	-0.02	-0.04	11.49	0.92	-12.62	-0.06	3.18	3.30
921	6	0	10	0	-0.02	-0.02	11.49	2.00	-12.28	-0.08	3.24	3.24
925	6	0	15	0	-0.03	0.07	11.49	3.10	-12.19	-0.07	3.22	3.26
978	6	10	-15	0	-0.01	-0.00	11.49	-3.65	-11.93	-0.09	3.16	3.26
974	6	10	-10	0	-0.02	0.04	11.49	-2.59	-12.22	-0.13	3.18	3.24
970	6	10	-5	0	-0.04	0.08	11.49	-1.45	-12.23	-0.08	3.21	3.21
954	6	10	0	0	-0.03	0.06	11.49	-0.37	-12.53	-0.08	3.20	3.22
958	6	10	5	0	-0.00	-0.01	11.49	0.62	-12.54	-0.08	3.17	3.25
962	6	10	10	0	-0.02	-0.02	11.49	1.69	-12.27	-0.07	3.20	3.22
966	6	10	15	0	-0.04	0.03	11.49	2.77	-12.25	-0.06	3.20	3.22
1002	6	20	-15	0	-0.01	0.02	11.49	-3.73	-11.41	-0.06	3.21	3.02
998	6	20	-10	0	-0.03	0.04	11.49	-2.71	-11.64	-0.09	3.22	3.01
994	6	20	-5	0	-0.02	0.02	11.49	-1.69	-11.63	-0.07	3.25	2.98
982	6	20	0	0	-0.02	0.00	11.49	-0.65	-11.77	-0.05	3.27	2.96
986	6	20	5	0	-0.02	0.03	11.49	0.38	-11.79	-0.06	3.27	2.96
990	6	20	10	0	-0.02	0.03	11.49	1.38	-11.80	-0.05	3.26	2.97
1006	6	20	15	0	-0.04	-0.02	11.49	2.43	-11.86	-0.06	3.23	3.00

* Indicates model was close to heave stop

TABLE 5.111.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
754	0	-10	-15	7.34	2.38	-1.52	11.49	1.74	2.49	-2.35	2.11	1.98
750	0	-10	-10	7.34	1.80	-0.96	11.49	0.98	1.74	-1.77	2.29	1.80
746	0	-10	-5	7.35	1.50	-0.39	11.49	0.67	1.42	-1.11	2.34	1.75
733	0	-10	0	7.36	1.40	0.09	11.49	0.46	1.24	-0.48	2.37	1.72
737	0	-10	5	7.35	1.53	0.67	11.49	0.13	1.16	0.15	2.27	1.82
741	0	-10	10	7.35	2.22	1.97	11.49	-1.09	1.85	1.40	1.96	2.13
665	0	0	-10	7.38	2.01	-0.92	11.49	0.63	1.39	-1.83	1.94	2.21
661	0	0	-5	7.36	1.56	-0.36	11.49	0.30	1.20	-0.81	2.11	2.04
649	0	0	0	7.40	1.37	0.14	11.49	0.02	1.31	-0.21	2.23	1.92
652	0	0	5	7.37	1.41	0.42	11.49	-0.19	1.34	0.25	2.19	1.96
657	0	0	10	7.39	1.74	0.87	11.49	-0.67	1.56	0.89	2.05	2.10
690	0	10	-10	7.40	2.30	-1.90	11.49	0.43	0.47	-2.74	1.79	2.30
686	0	10	-5	7.38	1.60	-0.51	11.49	-0.36	0.44	-1.13	2.06	2.03
669	0	10	0	7.38	1.45	0.12	11.49	-0.52	0.74	-0.30	2.16	1.93
673	0	10	5	7.38	1.46	0.54	11.49	-0.78	1.32	0.20	2.17	1.92
677	0	10	10	7.38	1.70	1.05	11.49	-1.00	1.71	0.87	2.11	1.98
682	0	10	15	7.37	2.27	1.86	11.49	-1.45	2.34	1.52	1.97	2.12
729	0	20	-10	7.35	2.44	-3.17	11.49	0.16	-0.15	-3.36	1.94	1.96
725	0	20	-5	7.36	1.53	-0.80	11.49	-0.50	-0.20	-1.65	2.24	1.66
708	0	20	0	7.36	1.29	0.02	11.49	-0.79	0.09	-0.67	2.37	1.53
712	0	20	5	7.36	1.38	0.68	11.49	-0.99	0.55	0.09	2.36	1.54
716	0	20	10	7.36	1.62	1.68	11.49	-1.22	1.14	0.72	2.35	1.55
721	0	20	15	7.36	2.16	2.74	11.49	-1.39	1.43	1.08	2.33	1.57
884	3	-10	-15	7.36	1.95	-2.15	11.49	-0.39	-1.99	0.46	2.62	2.64
888	3	-10	-10	7.36	1.43	-1.26	11.49	-0.33	-3.57	0.07	2.70	2.56
892	3	-10	-5	7.36	1.27	-0.46	11.49	-0.02	-4.26	-0.34	2.67	2.59
896	3	-10	0	7.36	1.25	0.21	11.49	0.35	-4.47	-0.54	2.68	2.58
900	3	-10	5	7.36	1.39	1.00	11.49	0.71	-4.39	-0.78	2.59	2.67
904	3	-10	10	7.36	1.91	2.31	11.49	0.54	-3.74	-1.25	2.39	2.87
908	3	-10	15	7.36	3.17	4.87	11.49	-0.43	-2.48	-1.74	2.02	3.24
803	3	0	-15	7.37	2.00	-1.82	11.49	-0.87	-2.70	0.29	2.42	2.90
799	3	0	-10	7.36	1.55	-0.97	11.49	-0.85	-3.99	0.16	2.53	2.79
795	3	0	-5	7.46	1.28	-0.27	11.49	-0.56	-4.52	-0.07	2.66	2.66
760	3	0	0	7.36	1.14	0.26	11.49	-0.10	-4.69	-0.30	2.81	2.51
764	3	0	5	7.35	1.32	0.92	11.49	0.35	-4.51	-0.64	2.76	2.56
768	3	0	10	7.36	1.68	1.68	11.49	0.56	-3.61	-1.12	2.66	2.66
809	3	0	10	7.37	1.69	1.76	11.49	0.52	-3.64	-1.06	2.50	2.82
772	3	0	15	7.36	2.46	3.18	11.49	0.11	-2.21	-1.75	2.43	2.89
789	3	0	15	7.35	2.41	3.13	11.49	0.17	-2.27	-1.67	2.31	3.01

* Indicates model was close to heave stop

TABLE 5.111.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
837	3	10	-15	7.37	2.52	-3.11	11.49	-0.80	-3.99	-0.02	2.23	3.03
833	3	10	-10	7.37	1.60	-1.10	11.49	-1.21	-4.73	0.07	2.54	2.72
840	3	10	-10	7.37	1.91	-1.55	11.49	-1.51	-4.70	0.06	2.38	2.88
830	3	10	-5	7.37	1.31	-0.22	11.49	-1.01	-5.03	-0.02	2.66	2.60
812	3	10	0	7.39	1.24	0.43	11.49	-0.59	-4.88	-0.17	2.67	2.59
813	3	10	0	7.37	1.21	0.43	11.49	-0.56	-4.94	-0.16	2.69	2.57
817	3	10	5	7.37	1.26	1.01	11.49	-0.18	-4.74	-0.41	2.72	2.54
821	3	10	10	7.37	1.54	1.83	11.49	0.18	-4.01	-0.94	2.69	2.57
825	3	10	15	7.37	2.09	2.79	11.49	0.31	-2.67	-1.57	2.63	2.63
876	3	20	-15	7.36	3.10	-4.85	11.49	-0.42	-4.13	-0.49	2.13	2.94
871	3	20	-10	7.36	1.83	-1.92	11.49	-1.19	-4.73	-0.31	2.47	2.60
854	3	20	-5	7.37	1.44	-0.54	11.49	-1.21	-5.00	-0.27	2.62	2.45
842	3	20	0	7.37	1.37	0.37	11.49	-0.90	-4.92	-0.25	2.67	2.40
846	3	20	5	7.37	1.48	1.33	11.49	-0.69	-4.74	-0.55	2.69	2.38
850	3	20	10	7.37	1.85	2.54	11.49	-0.38	-4.18	-1.10	2.74	2.33
879	3	20	15	7.36	2.32	3.45	11.49	0.01	-3.32	-1.58	2.75	2.32
1054	6	-10	-15	7.35	2.31	-2.79	11.49	-1.52	-6.70	2.55	3.23	3.19
1050	6	-10	-10	7.36	1.90	-1.88	11.49	-1.07	-7.96	1.46	3.24	3.18
1045	6	-10	-5	7.36	1.69	-0.74	11.49	-0.42	-8.55	0.21	3.25	3.17
1012	6	-10	0	7.34	1.62	0.13	11.49	0.17	-8.31	-0.65	3.25	3.17
1034	6	-10	0	7.42	1.56	0.15	11.49	0.15	-8.43	-0.68	3.26	3.16
1039	6	-10	5	7.36	1.79	1.08	11.49	0.69	-8.47	-1.63	3.11	3.31
1016	6	-10	10	7.34	2.27	2.64	11.49	1.10	-7.91	-2.92	2.98	3.44
1020	6	-10	15	7.34	3.42	5.26	11.49	0.85	-7.02	-5.02	2.70	3.72
1038	6	-10	15	7.36	3.32	5.26	11.49	1.09	-7.33	-4.96	2.69	3.73
938	6	0	-15	7.36	2.30	-2.36	11.49	-1.98	-7.18	2.49	3.14	3.34
934	6	0	-10	7.36	1.84	-1.50	11.49	-1.50	-7.81	1.57	3.23	3.25
930	6	0	-5	7.36	1.62	-0.63	11.49	-1.00	-8.33	0.39	3.28	3.20
913	6	0	0	7.36	1.55	0.31	11.49	-0.17	-8.58	-0.57	3.30	3.18
918	6	0	5	7.36	1.67	1.19	11.49	0.46	-8.25	-1.52	3.24	3.24
922	6	0	10	7.36	1.99	2.04	11.49	1.00	-7.60	-2.53	3.20	3.28
926	6	0	15	7.36	2.70	3.53	11.49	1.21	-6.85	-4.05	3.06	3.42
979	6	10	-15	7.36	2.53	-2.91	11.49	-2.11	-7.99	2.66	2.96	3.46
975	6	10	-10	7.36	1.91	-1.30	11.49	-1.87	-8.59	1.34	3.13	3.29
971	6	10	-5	7.36	1.56	-0.12	11.49	-1.15	-8.83	0.46	3.25	3.17
955	6	10	0	7.35	1.57	0.80	11.49	-0.44	-8.94	-0.45	3.28	3.14
959	6	10	5	7.36	1.73	1.68	11.49	0.14	-8.60	-1.47	3.27	3.15
963	6	10	10	7.36	1.97	2.45	11.49	0.73	-7.70	-2.52	3.30	3.12
967	6	10	15	7.36	2.39	3.16	11.49	1.31	-7.24	-3.38	3.30	3.12
1003	6	20	-15	7.36	3.00	-4.19	11.49	-1.85	-8.09	2.79	2.82	3.41
999	6	20	-10	7.36	2.05	-1.81	11.49	-1.86	-8.47	1.43	3.08	3.15
995	6	20	-5	7.36	1.64	-0.29	11.49	-1.47	-8.66	0.41	3.24	2.99
983	6	20	0	7.36	1.58	0.93	11.49	-0.85	-8.70	-0.47	3.33	2.90
987	6	20	5	7.36	1.81	2.33	11.49	-0.27	-8.50	-1.69	3.37	2.86
991	6	20	10	7.36	2.22	3.38	11.49	0.30	-7.92	-2.84	3.37	2.86
1007	6	20	15	7.34	2.68	3.64	11.49	0.94	-7.38	-3.32	3.49	2.74

* Indicates model was close to heave stop

TABLE 5.113.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
755	0	-10	-15	14.67	5.59	-3.59	11.49	3.55	14.13	-4.06	2.81	1.28
758	0	-10	-15	14.74	5.56	-3.69	11.49	3.35	14.05	-4.19	2.82	1.27
751	0	-10	-10	14.68	5.44	-3.30	11.49	2.31	12.86	-3.82	2.53	1.56
747	0	-10	-5	14.67	4.47	-1.89	11.49	1.06	8.60	-2.94	2.46	1.63
734	0	-10	0	14.71	4.11	0.25	11.49	0.37	5.63	-2.94	2.47	1.62
738	0	-10	5	14.68	5.82	4.02	11.49	-1.16	7.46	-2.67	2.10	1.99
742	0	-10	10	14.68	9.99	14.92	11.49	-4.92	9.97	-1.26	1.57	2.52
666 *	0	0	-10	14.75	9.18	-8.88	11.49	2.82	7.09	-5.94	1.41	2.74
662	0	0	-5	14.74	4.98	-1.79	11.49	0.63	6.18	-0.80	2.18	1.97
650	0	0	0	14.72	3.82	0.36	11.49	0.04	5.41	-0.87	2.35	1.80
654	0	0	5	14.74	5.15	2.75	11.49	-0.99	8.02	-1.47	2.08	2.07
658 *	0	0	10	14.74	9.05	10.44	11.49	-3.62	10.99	-2.59	1.39	2.76
691 *	0	10	-10	14.74	9.83	-12.21	11.49	3.60	3.09	-9.89	1.40	2.69
687	0	10	-5	14.75	5.19	-2.77	11.49	0.36	2.76	-1.99	2.07	2.02
670	0	10	0	14.73	3.82	0.03	11.49	-0.45	3.13	0.46	2.40	1.69
674	0	10	5	14.74	4.14	1.83	11.49	-1.00	7.15	0.71	2.31	1.78
678	0	10	10	14.74	5.22	4.22	11.49	-1.96	10.37	0.40	2.36	1.73
683	0	10	15	14.75	5.29	4.74	11.49	-2.10	10.34	0.62	2.67	1.42
730 *	0	20	-10	14.71	10.52	-16.62	11.49	3.14	0.00	-15.48	1.50	2.40
726	0	20	-5	14.71	5.10	-4.24	11.49	0.29	-0.54	-5.40	2.22	1.68
709	0	20	0	14.71	3.61	-0.22	11.49	-0.71	0.52	-0.72	2.57	1.33
713	0	20	5	14.71	4.01	2.83	11.49	-1.32	4.03	0.76	2.59	1.31
717	0	20	10	14.71	3.61	3.36	11.49	-1.31	5.14	0.56	2.99	0.91
718	0	20	10	14.72	3.56	3.26	11.49	-1.35	4.95	0.48	3.01	0.89
722	0	20	15	14.70	3.19	3.34	11.49	-1.05	0.97	-1.02	3.54	0.36
885	3	-10	-15	14.71	2.18	-2.44	11.49	-2.09	-6.51	2.09	3.82	1.44
889	3	-10	-10	14.74	2.07	-1.94	11.49	-0.68	-3.16	1.03	3.58	1.68
893	3	-10	-5	14.74	2.16	-1.44	11.49	0.26	-0.48	0.21	3.24	2.02
897	3	-10	0	14.71	2.44	0.22	11.49	0.40	-1.23	-1.42	3.07	2.19
901	3	-10	5	14.72	3.15	3.44	11.49	0.20	-0.67	-3.49	2.89	2.37
905	3	-10	10	14.73	6.01	10.96	11.49	-1.50	2.27	-7.75	2.42	2.84
909 *	3	-10	15	14.74	13.92	27.06	11.49	-7.65	9.43	-9.58	1.45	3.81
804	3	0	-15	14.75	3.95	-4.24	11.49	-0.68	0.09	3.20	3.10	2.22
800	3	0	-10	14.75	2.85	-1.95	11.49	-0.83	-0.92	1.41	3.15	2.17
796	3	0	-5	14.74	2.23	-0.51	11.49	-0.51	-1.37	0.39	3.18	2.14
761	3	0	0	14.72	2.03	0.43	11.49	0.04	-2.01	-0.47	3.29	2.03
806	3	0	0	14.74	2.02	0.39	11.49	-0.06	-1.36	-0.45	3.18	2.14
765	3	0	5	14.72	2.50	2.06	11.49	0.41	-1.73	-1.94	3.27	2.05
807	3	0	5	14.74	2.51	1.89	11.49	0.19	-1.21	-1.84	3.13	2.19
769	3	0	10	14.74	3.51	4.63	11.49	0.26	-0.46	-4.28	3.20	2.12
808	3	0	10	14.74	3.48	4.49	11.49	0.03	-0.09	-4.16	3.07	2.25
773	3	0	15	14.73	6.33	10.15	11.49	-1.32	3.20	-8.76	2.93	2.39
788	3	0	15	14.68	5.80	9.29	11.49	-1.14	2.57	-8.32	2.88	2.44

* Indicates model was close to heave stop

TABLE 5.113.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
838	3	10	-15	14.75	9.65	-16.49	11.49	2.32	1.41	1.82	2.03	3.23
834	3	10	-10	14.74	4.01	-4.01	11.49	-0.54	-1.89	1.82	2.82	2.44
831	3	10	-5	14.74	2.60	-0.66	11.49	-0.96	-3.15	0.86	3.13	2.13
814	3	10	0	14.74	2.15	1.45	11.49	-0.62	-2.90	-0.62	3.25	2.01
818	3	10	5	14.73	2.06	1.98	11.49	0.10	-3.88	-1.11	3.47	1.79
822	3	10	10	14.74	1.99	2.43	11.49	1.35	-7.28	-2.21	3.79	1.47
826	3	10	15	14.74	1.94	2.63	11.49	2.92	-10.58	-3.32	4.06	1.20
877 *	3	20	-15	14.72	14.10	-28.38	11.49	4.18	-1.70	-8.74	1.47	3.60
872	3	20	-10	14.70	5.42	-8.26	11.49	0.20	-2.98	0.27	2.55	2.52
855	3	20	-5	14.75	3.22	-1.61	11.49	-0.98	-3.91	0.74	2.99	2.08
868	3	20	-5	14.71	3.09	-1.37	11.49	-1.06	-3.99	0.75	3.07	2.00
843	3	20	0	14.74	2.58	1.65	11.49	-1.08	-4.06	-0.52	3.24	1.83
847	3	20	5	14.75	2.15	3.54	11.49	-0.52	-5.03	-2.16	3.55	1.52
851	3	20	10	14.74	2.09	3.57	11.49	0.49	-8.75	-3.50	4.08	0.99
880	3	20	15	14.71	1.91	2.99	11.49	1.68	-11.46	-3.83	4.47	0.60
1055	6	-10	-15	14.72	2.13	-2.31	11.49	-3.97	-14.56	3.35	5.10	1.32
1051	6	-10	-10	14.74	2.07	-2.18	11.49	-2.25	-13.02	2.76	4.86	1.56
1047	6	-10	-5	14.71	2.13	-1.98	11.49	-0.88	-10.53	1.90	4.56	1.86
1013	6	-10	0	14.67	2.08	-1.09	11.49	0.44	-8.60	0.56	4.29	2.13
1057	6	-10	0	14.67	2.15	-1.20	11.49	0.37	-8.75	0.61	4.24	2.18
1041	6	-10	5	14.67	2.61	1.45	11.49	0.67	-8.10	-2.81	4.01	2.41
1017	6	-10	10	14.67	4.12	6.34	11.49	0.48	-6.35	-8.13	3.70	2.72
1021	6	-10	15	14.67	8.42	17.03	11.49	-1.93	-2.74	-17.20	3.06	3.36
1037	6	-10	15	14.66	7.82	16.22	11.49	-1.69	-3.05	-16.49	3.08	3.34
939	6	0	-15	14.72	2.32	-1.30	11.49	-3.52	-10.19	2.04	4.55	1.93
935	6	0	-10	14.72	1.75	-0.46	11.49	-2.41	-10.41	0.69	4.58	1.90
931	6	0	-5	14.72	1.67	-0.22	11.49	-1.27	-10.77	0.23	4.60	1.88
914	6	0	0	14.73	1.58	0.06	11.49	-0.05	-11.13	-0.24	4.63	1.85
919	6	0	5	14.70	1.71	0.39	11.49	1.23	-10.86	-0.59	4.59	1.89
923	6	0	10	14.71	2.13	1.33	11.49	2.23	-10.81	-2.18	4.60	1.88
927	6	0	15	14.71	2.93	2.83	11.49	2.97	-10.10	-4.58	4.52	1.96
980	6	10	-15	14.71	4.33	-5.59	11.49	-1.87	-6.72	6.67	3.74	2.68
976	6	10	-10	14.70	2.75	-1.19	11.49	-2.14	-8.26	2.05	4.03	2.39
972	6	10	-5	14.70	2.05	1.20	11.49	-1.70	-9.26	-0.93	4.29	2.13
956	6	10	0	14.66	1.79	1.58	11.49	-0.67	-11.53	-1.87	4.62	1.80
960	6	10	5	14.70	1.77	1.83	11.49	0.60	-13.70	-2.69	4.93	1.49
964	6	10	10	14.72	1.81	1.98	11.49	2.16	-15.17	-3.25	5.15	1.27
968	6	10	15	14.70	1.92	1.97	11.49	3.62	-15.69	-3.56	5.27	1.15
1004	6	20	-15	14.71	7.05	-13.42	11.49	0.53	-6.02	10.09	3.17	3.06
1000	6	20	-10	14.72	3.74	-4.33	11.49	-1.46	-7.33	4.45	3.69	2.54
996	6	20	-5	14.71	2.49	0.69	11.49	-1.65	-8.39	0.04	4.03	2.20
984	6	20	0	14.72	2.06	3.64	11.49	-1.40	-9.94	-3.39	4.36	1.87
988	6	20	5	14.71	1.85	3.41	11.49	-0.18	-12.71	-4.16	4.95	1.28
992	6	20	10	14.71	1.94	3.03	11.49	1.07	-14.38	-4.36	5.30	0.93
1008	6	20	15	14.67	2.03	2.60	11.49	2.45	-15.49	-4.29	5.55	0.68

* Indicates model was close to heave stop

TABLE 5.114.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
756	0	-10	-15	19.63	4.85	-3.28	11.49	2.07	9.87	-1.91	3.37	0.72
757	0	-10	-15	19.69	4.83	-3.29	11.49	1.97	9.80	-1.91	3.38	0.71
752	0	-10	-10	19.61	5.89	-2.73	11.49	2.82	17.52	-4.17	3.02	1.07
748	0	-10	-5	19.63	7.28	-2.67	11.49	1.52	19.52	-5.38	2.49	1.60
735	0	-10	0	19.61	7.37	-0.60	11.49	0.18	12.33	-5.33	2.36	1.73
739	0	-10	5	19.63	12.12	9.42	11.49	-2.40	14.31	-5.18	1.56	2.53
743	0	-10	10	19.63	16.45	24.48	11.49	-8.47	18.39	-1.29	1.56	2.53
667 *	0	0	-10	19.68	15.28	-14.37	11.49	3.95	15.42	-11.98	1.41	2.74
663	0	0	-5	19.68	9.75	-2.35	11.49	1.40	15.47	-2.31	1.96	2.19
651	0	0	0	19.70	6.92	0.21	11.49	0.14	13.06	-1.47	2.21	1.94
655	0	0	5	19.70	7.82	3.57	11.49	-1.69	15.95	-2.29	2.21	1.94
659 *	0	0	10	19.67	14.74	15.21	11.49	-6.34	21.00	-2.76	1.40	2.75
692 *	0	10	-10	19.67	16.91	-20.96	11.49	6.18	6.52	-19.54	1.41	2.68
688 *	0	10	-5	19.67	12.27	-7.66	11.49	1.67	8.49	-8.73	1.41	2.68
671	0	10	0	19.67	7.01	0.19	11.49	-0.78	8.22	1.47	2.30	1.79
675	0	10	5	19.67	6.55	2.26	11.49	-1.31	14.23	1.22	2.42	1.67
679	0	10	10	19.68	5.19	2.74	11.49	-1.03	10.41	1.05	2.92	1.17
680	0	10	10	19.67	5.08	2.68	11.49	-0.98	10.20	1.03	2.94	1.15
684	0	10	15	19.70	4.67	3.75	11.49	-0.31	5.05	-0.45	3.20	0.89
731 *	0	20	-10	19.61	17.95	-28.74	11.49	6.72	3.84	-28.24	1.50	2.40
727 *	0	20	-5	19.61	12.50	-11.34	11.49	1.74	3.99	-16.84	1.49	2.41
710	0	20	0	19.63	6.61	-0.45	11.49	-0.63	3.63	-1.44	2.46	1.44
714	0	20	5	19.63	5.66	2.92	11.49	-1.37	8.19	0.95	2.78	1.12
719	0	20	10	19.62	4.05	2.75	11.49	-1.44	2.71	-0.72	3.53	0.37
723	0	20	15	19.61	2.37	1.69	11.49	-0.56	-4.17	-1.08	4.04	-0.14
886	3	-10	-15	19.68	2.10	-2.25	11.49	-2.96	-10.56	2.71	4.19	1.07
890	3	-10	-10	19.69	2.10	-1.93	11.49	-1.73	-8.30	2.02	4.04	1.22
894	3	-10	-5	19.69	2.69	-1.57	11.49	-0.07	-2.92	0.73	3.68	1.58
898	3	-10	0	19.68	3.03	-0.08	11.49	0.57	0.30	-1.29	3.37	1.89
902	3	-10	5	19.68	4.68	5.09	11.49	-0.07	2.38	-5.75	3.07	2.19
906	3	-10	10	19.69	10.14	19.14	11.49	-3.62	9.18	-13.29	2.38	2.88
910 *	3	-10	15	19.69	23.88	47.70	11.49	-13.17	21.72	-15.26	1.45	3.81
805	3	0	-15	19.69	4.38	-3.76	11.49	-2.01	-2.31	3.82	3.53	1.79
801	3	0	-10	19.69	3.28	-1.47	11.49	-1.56	-2.82	1.21	3.55	1.77
797	3	0	-5	19.69	2.59	-0.36	11.49	-0.72	-2.64	0.25	3.57	1.75
762	3	0	0	19.70	2.56	0.38	11.49	0.17	-2.73	-0.21	3.65	1.67
793	3	0	0	19.69	2.53	0.16	11.49	-0.03	-2.05	-0.08	3.54	1.78
766	3	0	5	19.70	3.11	1.81	11.49	0.85	-3.28	-1.83	3.66	1.66
792	3	0	5	19.68	2.96	1.53	11.49	0.57	-2.89	-1.60	3.58	1.74
770	3	0	10	19.67	4.12	4.41	11.49	1.13	-2.20	-4.75	3.61	1.71
791	3	0	10	19.67	3.95	4.02	11.49	0.75	-1.86	-4.53	3.50	1.82
774	3	0	15	19.69	7.47	11.10	11.49	-0.57	2.76	-11.43	3.35	1.97
787	3	0	15	19.63	6.66	9.87	11.49	-0.37	1.60	-10.79	3.33	1.99

* Indicates model was close to heave stop

TABLE 5.114.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
839	3	10	-15	19.68	20.87	-37.79	11.49	4.49	10.99	-4.20	1.54	3.72
835	3	10	-10	19.69	5.96	-5.52	11.49	-0.32	0.66	2.93	3.01	2.25
829	3	10	-5	19.70	3.70	-0.01	11.49	-1.22	-1.65	0.38	3.37	1.89
815	3	10	0	19.70	2.59	1.68	11.49	-0.59	-5.08	-1.15	3.71	1.55
819	3	10	5	19.69	2.06	2.02	11.49	0.49	-9.62	-2.34	4.02	1.24
823	3	10	10	19.69	1.92	2.12	11.49	1.64	-12.08	-2.95	4.23	1.03
827	3	10	15	19.69	1.88	2.16	11.49	2.91	-13.20	-3.36	4.33	0.93
873	3	20	-10	19.67	9.49	-16.07	11.49	1.64	-0.11	-0.07	2.45	2.62
874	3	20	-10	19.69	9.36	-15.68	11.49	1.79	-0.23	-0.09	2.24	2.83
869	3	20	-5	19.67	4.78	-1.72	11.49	-1.07	-1.72	0.65	3.18	1.89
844	3	20	0	19.73	3.53	2.61	11.49	-1.69	-4.24	-1.77	3.56	1.51
848	3	20	5	19.70	2.29	3.12	11.49	-0.57	-8.40	-2.90	4.10	0.97
852	3	20	10	19.73	1.93	2.59	11.49	0.64	-12.66	-3.31	4.58	0.49
881	3	20	15	19.69	1.60	2.06	11.49	2.07	-14.84	-3.10	4.83	0.24
1056	6	-10	-15	19.64	2.01	-1.95	11.49	-4.36	-17.28	2.75	5.48	0.94
1052	6	-10	-10	19.64	1.93	-1.80	11.49	-2.59	-16.45	2.51	5.38	1.04
1048	6	-10	-5	19.64	1.99	-1.56	11.49	-1.04	-15.31	2.12	5.22	1.20
1014	6	-10	0	19.63	2.17	-1.13	11.49	0.54	-12.60	1.07	4.96	1.46
1043	6	-10	0	19.61	2.13	-1.41	11.49	0.43	-13.17	1.53	4.95	1.47
1042	6	-10	5	19.61	2.78	0.97	11.49	1.20	-10.72	-2.13	4.69	1.73
1018	6	-10	10	19.62	4.84	6.94	11.49	0.73	-7.41	-9.95	4.26	2.16
1022	6	-10	15	19.63	11.14	23.07	11.49	-3.40	-1.75	-26.43	3.53	2.89
1036	6	-10	15	19.62	10.02	21.48	11.49	-3.11	-2.19	-25.30	3.56	2.86
940	6	0	-15	19.70	1.89	-0.92	11.49	-5.08	-15.36	1.57	5.26	1.22
936	6	0	-10	19.67	1.63	-0.60	11.49	-3.48	-16.04	0.82	5.30	1.18
932	6	0	-5	19.69	1.55	-0.15	11.49	-1.80	-16.41	0.10	5.33	1.15
915	6	0	0	19.68	1.56	0.33	11.49	0.01	-16.45	-0.57	5.31	1.17
916	6	0	0	19.68	1.52	0.28	11.49	-0.06	-16.61	-0.60	5.32	1.16
920	6	0	5	19.69	1.56	0.62	11.49	1.67	-16.32	-1.21	5.33	1.15
924	6	0	10	19.69	1.79	0.92	11.49	3.33	-15.91	-1.86	5.28	1.20
928	6	0	15	19.69	2.13	1.37	11.49	4.73	-14.92	-2.84	5.26	1.22
981	6	10	-15	19.67	4.61	-4.91	11.49	-2.85	-8.25	7.25	4.44	1.98
977	6	10	-10	19.67	2.80	-0.54	11.49	-3.17	-10.96	1.23	4.75	1.67
973	6	10	-5	19.68	1.92	1.05	11.49	-2.37	-13.44	-1.38	5.08	1.34
957	6	10	0	19.62	1.73	1.12	11.49	-1.21	-15.78	-2.00	5.27	1.15
961	6	10	5	19.68	1.64	1.16	11.49	0.23	-16.60	-2.29	5.41	1.01
965	6	10	10	19.67	1.64	1.29	11.49	1.79	-17.22	-2.59	5.49	0.93
969	6	10	15	19.67	1.66	1.38	11.49	3.37	-17.55	-2.88	5.55	0.87
1005	6	20	-15	19.69	10.88	-22.16	11.49	2.59	-4.48	18.13	3.36	2.87
1001	6	20	-10	19.69	4.71	-5.33	11.49	-1.44	-7.61	6.73	4.18	2.05
997	6	20	-5	19.68	2.77	1.58	11.49	-2.25	-9.90	-1.08	4.67	1.56
985	6	20	0	19.68	2.28	4.32	11.49	-2.00	-12.56	-5.14	5.03	1.20
989	6	20	5	19.68	1.75	2.63	11.49	-0.41	-15.78	-3.73	5.54	0.69
993	6	20	10	19.68	1.70	2.21	11.49	1.11	-17.03	-3.46	5.78	0.45
1010	6	20	10	19.61	1.65	1.91	11.49	0.96	-16.98	-3.34	5.78	0.45
1009	6	20	15	19.62	1.73	1.74	11.49	2.66	-17.84	-3.17	5.91	0.32

* Indicates model was close to heave stop

TABLE 5.120.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2471	0	-10	-15	0	0.06	-0.08	11.49	-0.18	-3.26	0.00	2.54	1.55
2462	0	-10	-10	0	0.02	-0.06	11.49	0.10	-3.24	0.02	2.51	1.58
2458	0	-10	-5	0	0.04	-0.05	11.49	0.39	-3.18	-0.02	2.50	1.59
2427	0	-10	0	0	-0.12	-0.08	11.49	0.59	-2.79	-0.03	2.79	1.30
2431	0	-10	5	0	-0.02	-0.04	11.49	0.90	-3.04	0.06	2.68	1.41
2435	0	-10	10	0	-0.02	-0.04	11.49	1.18	-2.97	0.03	2.67	1.42
2454	0	-10	15	0	0.01	-0.09	11.49	1.40	-2.79	-0.02	2.51	1.58
2348	0	0	-15	0	0.04	-0.07	11.49	-0.86	-3.34	0.01	2.62	1.53
2344	0	0	-10	0	0.05	-0.08	11.49	-0.56	-3.32	0.02	2.63	1.52
2340	0	0	-5	0	0.05	-0.09	11.49	-0.25	-3.32	0.05	2.61	1.54
2315	0	0	0	0	0.03	-0.04	11.49	0.05	-3.25	0.01	2.61	1.54
2329	0	0	5	0	0.04	-0.04	11.49	0.32	-3.24	0.02	2.65	1.50
2336	0	0	10	0	0.03	-0.06	11.49	0.61	-3.20	0.02	2.68	1.47
2395	0	10	-10	0	0.10	-0.16	11.49	-1.24	-3.38	0.05	2.55	1.54
2390	0	10	-5	0	0.06	-0.11	11.49	-0.92	-3.33	0.04	2.59	1.50
2373	0	10	0	0	-0.05	-0.07	11.49	-0.53	-2.98	0.05	2.75	1.34
2378	0	10	5	0	0.07	-0.10	11.49	-0.29	-3.31	0.04	2.60	1.49
2382	0	10	10	0	0.07	-0.06	11.49	0.05	-3.37	0.02	2.57	1.52
2386	0	10	15	0	0.07	-0.08	11.49	0.27	-3.36	0.04	2.59	1.50
2422	0	20	-15	0	0.07	-0.05	11.49	-1.60	-3.20	0.00	2.66	1.24
2419	0	20	-10	0	0.08	-0.09	11.49	-1.30	-3.24	0.02	2.68	1.22
2415	0	20	-5	0	0.06	-0.10	11.49	-1.02	-3.29	0.02	2.69	1.21
2399	0	20	0	0	0.03	-0.05	11.49	-0.69	-3.23	0.06	2.74	1.16
2403	0	20	0	0	0.07	-0.09	11.49	-0.73	-3.31	0.04	2.71	1.19
2407	0	20	10	0	0.06	-0.07	11.49	-0.12	-3.35	0.02	2.72	1.18
2411	0	20	15	0	0.05	-0.09	11.49	0.17	-3.40	0.04	2.69	1.21
2599	3	-10	-15	0	-0.02	-0.01	11.49	-1.82	-8.85	0.02	2.78	2.48
2595	3	-10	-10	0	0.00	-0.02	11.49	-1.04	-8.90	0.01	2.77	2.49
2590	3	-10	-5	0	0.10	-0.02	11.49	-0.34	-8.75	-0.02	2.75	2.51
2585	3	-10	0	0	0.01	-0.01	11.49	0.53	-8.90	0.04	2.76	2.50
2603	3	-10	5	0	0.02	0.02	11.49	1.33	-8.82	0.02	2.77	2.49
2607	3	-10	10	0	0.02	0.01	11.49	2.09	-8.74	0.02	2.77	2.49
2611	3	-10	15	0	0.02	0.00	11.49	2.85	-8.53	0.02	2.78	2.48
2501	3	0	-15	0	-0.01	0.01	11.49	-2.30	-9.00	0.01	2.79	2.53
2497	3	0	-10	0	0.02	-0.01	11.49	-1.51	-9.13	0.02	2.78	2.54
2493	3	0	-5	0	0.01	0.03	11.49	-0.72	-9.26	0.02	2.78	2.54
2477	3	0	0	0	0.02	-0.03	11.49	0.06	-9.23	0.03	2.79	2.53
2481	3	0	5	0	0.06	-0.03	11.49	0.91	-9.21	0.04	2.77	2.55
2485	3	0	10	0	0.05	-0.01	11.49	1.71	-9.07	0.04	2.78	2.54
2489	3	0	15	0	0.05	-0.01	11.49	2.48	-8.89	0.04	2.78	2.54

* Indicates model was close to heave stop

TABLE 5.120.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2535	3	10	-15	0	0.02	0.01	11.49	-2.64	-8.58	-0.02	2.77	2.49
2519	3	10	-10	0	0.02	0.02	11.49	-1.89	-8.83	0.01	2.80	2.46
2515	3	10	-5	0	0.05	0.00	11.49	-1.13	-8.89	0.02	2.80	2.46
2507	3	10	0	0	0.04	0.03	11.49	-0.34	-8.97	0.02	2.78	2.48
2511	3	10	5	0	0.06	0.02	11.49	0.46	-8.95	0.04	2.80	2.46
2540	3	10	10	0	0.02	0.06	11.49	1.28	-9.09	0.01	2.74	2.52
2545	3	10	15	0	0.06	0.03	11.49	2.03	-8.85	0.03	2.76	2.50
2578	3	20	-15	0	0.00	0.00	11.49	-2.78	-8.16	0.02	2.78	2.29
2574	3	20	-10	0	0.03	0.02	11.49	-2.02	-8.30	0.02	2.79	2.28
2570	3	20	-5	0	0.04	-0.01	11.49	-1.31	-8.48	0.03	2.80	2.27
2566	3	20	0	0	0.00	0.04	11.49	-0.54	-8.55	0.03	2.80	2.27
2561	3	20	5	0	0.05	0.03	11.49	0.19	-8.52	0.03	2.80	2.27
2556	3	20	10	0	0.05	0.02	11.49	0.91	-8.47	0.04	2.79	2.28
2552	3	20	15	0	0.03	0.07	11.49	1.69	-8.39	0.01	2.78	2.29
3309	6	-10	-15	0	-0.05	0.01	11.49	-2.77	-11.97	0.03	3.27	3.15
3305	6	-10	-10	0	-0.05	0.02	11.49	-1.73	-12.13	0.05	3.28	3.14
3301	6	-10	-5	0	-0.01	-0.01	11.49	-0.69	-12.35	0.01	3.24	3.18
3284	6	-10	0	0	0.01	0.06	11.49	0.39	-11.94	0.03	3.26	3.16
3288	6	-10	5	0	-0.04	0.03	11.49	1.47	-12.14	0.05	3.22	3.20
3293	6	-10	10	0	-0.01	0.04	11.49	2.55	-11.99	0.03	3.23	3.19
3297	6	-10	15	0	0.02	0.09	11.49	3.61	-11.74	0.05	3.25	3.17
2658	6	0	-15	0	-0.02	0.00	11.49	-3.10	-11.97	0.10	3.18	3.30
2654	6	0	-10	0	-0.01	0.04	11.49	-1.99	-12.26	0.02	3.18	3.30
2650	6	0	-5	0	-0.00	0.02	11.49	-0.96	-12.27	0.08	3.17	3.31
2615	6	0	0	0	0.02	0.03	11.49	0.13	-12.35	0.02	3.20	3.28
2620	6	0	5	0	0.00	0.03	11.49	1.23	-12.38	0.05	3.19	3.29
2642	6	0	10	0	0.11	0.05	11.49	2.20	-11.85	0.05	3.17	3.31
2646	6	0	15	0	0.03	0.07	11.49	3.32	-11.86	0.05	3.16	3.32
2688	6	10	-15	0	-0.02	0.03	11.49	-3.30	-11.64	0.09	3.24	3.18
2683	6	10	-10	0	-0.00	0.02	11.49	-2.28	-11.95	0.06	3.23	3.19
2679	6	10	-5	0	-0.00	0.03	11.49	-1.22	-12.04	0.07	3.23	3.19
2663	6	10	0	0	0.01	0.16	11.49	-0.09	-12.18	0.10	3.18	3.24
2667	6	10	5	0	0.02	0.05	11.49	0.93	-12.20	0.02	3.21	3.21
2671	6	10	10	0	0.00	0.02	11.49	1.92	-12.01	0.12	3.22	3.20
2675	6	10	15	0	0.02	0.03	11.49	2.95	-11.80	0.11	3.21	3.21
2701	6	20	-15	0	0.00	0.02	11.49	-3.34	-11.06	0.01	3.09	3.14
2705	6	20	-5	0	0.01	0.04	11.49	-1.34	-11.51	0.03	3.09	3.14
2695	6	20	0	0	-0.02	0.02	11.49	-0.38	-11.47	0.03	3.26	2.97
2709	6	20	0	0	0.03	0.04	11.49	-0.37	-11.58	0.04	3.09	3.14
2713	6	20	5	0	0.05	0.06	11.49	0.67	-11.59	0.03	3.10	3.13
2717	6	20	10	0	0.04	0.06	11.49	1.68	-11.42	0.02	3.10	3.13
2735	6	20	10	0	0.01	0.02	11.49	1.59	-11.43	0.07	3.20	3.03
2738	6	20	15	0	0.02	0.00	11.49	2.60	-11.28	0.09	3.16	3.07

* Indicates model was close to heave stop

TABLE 5.121.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2472	0	-10	-15	7.34	2.59	-2.45	11.49	1.33	2.56	-3.07	2.07	2.02
2463	0	-10	-10	7.36	1.89	-1.42	11.49	0.95	1.98	-2.27	2.18	1.91
2459	0	-10	-5	7.36	1.55	-0.67	11.49	0.73	1.71	-1.55	2.25	1.84
2428	0	-10	0	7.36	0.91	-0.16	11.49	0.44	1.15	-0.74	2.62	1.47
2432	0	-10	5	7.36	1.41	0.44	11.49	0.16	1.79	-0.37	2.35	1.74
2436	0	-10	10	7.36	2.06	1.84	11.49	-0.80	2.95	0.30	2.08	2.01
2455 *	0	-10	15	7.35	4.08	4.97	11.49	-2.98	4.99	1.94	1.39	2.70
2349	0	0	-15	7.37	3.26	-3.68	11.49	1.37	0.55	-5.18	1.86	2.29
2345	0	0	-10	7.37	2.02	-1.54	11.49	0.65	0.71	-2.50	2.20	1.95
2341	0	0	-5	7.37	1.61	-0.71	11.49	0.34	0.98	-1.33	2.31	1.84
2316	0	0	0	7.51	1.41	-0.19	11.49	0.06	1.54	-0.57	2.37	1.78
2318	0	0	0	7.35	1.38	-0.16	11.49	0.11	1.49	-0.60	2.37	1.78
2330	0	0	5	7.36	1.46	0.19	11.49	-0.22	1.82	-0.13	2.36	1.79
2335	0	0	10	7.36	1.81	0.76	11.49	-0.70	2.47	0.49	2.24	1.91
2396	0	10	-10	7.38	2.40	-2.70	11.49	0.23	-0.33	-3.60	2.02	2.07
2391	0	10	-5	7.37	1.63	-0.97	11.49	-0.29	0.19	-1.75	2.27	1.82
2374	0	10	0	7.37	1.07	-0.17	11.49	-0.44	0.46	-0.58	2.56	1.53
2379	0	10	5	7.36	1.45	0.26	11.49	-0.65	1.52	-0.13	2.37	1.72
2383	0	10	10	7.36	1.78	0.91	11.49	-0.96	2.52	0.50	2.28	1.81
2387	0	10	15	7.36	2.34	1.79	11.49	-1.53	3.41	1.21	2.17	1.92
2423 *	0	20	-15	7.36	5.00	-8.50	11.49	1.18	-1.88	-9.76	1.51	2.39
2420	0	20	-10	7.36	2.47	-3.74	11.49	0.07	-1.29	-4.73	2.09	1.81
2416	0	20	-5	7.36	1.59	-1.22	11.49	-0.49	-0.83	-2.34	2.37	1.53
2400	0	20	0	7.36	1.17	-0.04	11.49	-0.62	-0.33	-1.11	2.55	1.35
2404	0	20	5	7.36	1.38	0.58	11.49	-0.83	0.28	-0.55	2.49	1.41
2408	0	20	10	7.37	1.68	1.60	11.49	-1.01	0.95	0.04	2.48	1.42
2412	0	20	15	7.36	2.30	2.65	11.49	-1.38	2.07	0.74	2.44	1.46
2600	3	-10	-15	7.36	2.00	-2.12	11.49	-0.19	-1.90	0.22	2.65	2.61
2596	3	-10	-10	7.36	1.51	-1.06	11.49	-0.16	-3.55	-0.46	2.71	2.55
2591	3	-10	-5	7.36	1.38	-0.34	11.49	0.03	-3.89	-0.78	2.71	2.55
2586	3	-10	0	7.35	1.20	0.26	11.49	0.41	-4.30	-0.88	2.66	2.60
2604	3	-10	5	7.35	1.46	1.23	11.49	0.74	-3.85	-1.28	2.58	2.68
2608	3	-10	10	7.35	2.01	2.54	11.49	0.46	-2.90	-1.88	2.39	2.87
2612	3	-10	15	7.35	3.57	5.54	11.49	-0.85	-0.94	-3.00	2.01	3.25
2502	3	0	-15	7.35	1.87	-1.55	11.49	-1.01	-3.79	0.02	2.60	2.72
2498	3	0	-10	7.35	1.50	-0.82	11.49	-0.82	-4.53	-0.11	2.71	2.61
2494	3	0	-5	7.35	1.28	-0.17	11.49	-0.43	-4.87	-0.30	2.77	2.55
2478	3	0	0	7.34	1.19	0.28	11.49	-0.03	-4.75	-0.54	2.78	2.54
2482	3	0	5	7.34	1.43	0.92	11.49	0.42	-4.22	-0.93	2.69	2.63
2486	3	0	10	7.35	1.80	1.87	11.49	0.51	-3.22	-1.49	2.56	2.76
2490	3	0	15	7.35	2.65	3.41	11.49	-0.01	-1.41	-2.29	2.32	3.00

* Indicates model was close to heave stop

TABLE 5.121.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2536	3	10	-15	7.34	2.25	-2.67	11.49	-1.05	-5.21	-0.54	2.39	2.87
2520	3	10	-10	7.35	1.61	-1.05	11.49	-1.12	-5.44	-0.44	2.63	2.63
2516	3	10	-5	7.35	1.38	-0.13	11.49	-0.86	-5.40	-0.34	2.74	2.52
2508	3	10	0	7.35	1.30	0.51	11.49	-0.39	-5.15	-0.47	2.76	2.50
2512	3	10	5	7.35	1.42	1.15	11.49	0.05	-4.65	-0.73	2.80	2.46
2541	3	10	10	7.35	1.72	1.98	11.49	0.40	-4.06	-1.23	2.70	2.56
2546	3	10	15	7.35	2.35	2.94	11.49	0.41	-2.47	-1.95	2.63	2.63
2579	3	20	-15	7.36	3.01	-4.84	11.49	-0.69	-5.52	-1.50	2.23	2.84
2575	3	20	-10	7.35	1.76	-1.65	11.49	-1.11	-5.65	-0.91	2.55	2.52
2571	3	20	-5	7.35	1.44	-0.24	11.49	-1.04	-5.55	-0.67	2.71	2.36
2567	3	20	0	7.35	1.41	0.64	11.49	-0.66	-5.24	-0.72	2.76	2.31
2562	3	20	5	7.35	1.58	1.72	11.49	-0.37	-4.89	-1.03	2.79	2.28
2557	3	20	10	7.35	1.94	2.65	11.49	-0.03	-4.47	-1.41	2.82	2.25
2558	3	20	10	7.35	1.95	2.67	11.49	0.03	-4.49	-1.44	2.81	2.26
2553	3	20	15	7.35	2.37	3.38	11.49	0.50	-3.96	-1.92	2.90	2.17
3310	6	-10	-15	7.34	2.15	-2.36	11.49	-1.36	-6.73	2.14	3.45	2.97
3306	6	-10	-10	7.33	1.74	-1.48	11.49	-0.90	-7.70	1.05	3.46	2.96
3302	6	-10	-5	7.33	1.60	-0.45	11.49	-0.34	-8.43	-0.23	3.39	3.03
3285	6	-10	0	7.34	1.67	0.54	11.49	0.28	-8.44	-1.16	3.29	3.13
3289	6	-10	5	7.34	1.81	1.64	11.49	0.95	-8.09	-2.17	3.22	3.20
3294	6	-10	10	7.33	2.44	3.39	11.49	1.16	-7.38	-3.79	3.05	3.37
3298	6	-10	15	7.33	3.69	6.13	11.49	0.90	-6.32	-6.00	2.76	3.66
2659	6	0	-15	7.36	2.09	-1.79	11.49	-1.85	-7.62	2.08	3.26	3.22
2655	6	0	-10	7.35	1.71	-0.91	11.49	-1.31	-8.28	1.04	3.33	3.15
2651	6	0	-5	7.36	1.48	-0.02	11.49	-0.63	-8.57	0.05	3.38	3.10
2616	6	0	0	7.35	1.50	0.71	11.49	0.01	-8.74	-0.95	3.36	3.12
2621	6	0	5	7.35	1.66	1.54	11.49	0.73	-8.17	-1.93	3.32	3.16
2643	6	0	10	7.35	2.05	2.55	11.49	1.20	-7.43	-3.05	3.19	3.29
2647	6	0	15	7.35	2.96	4.19	11.49	1.40	-6.48	-4.86	3.05	3.43
2689	6	10	-15	7.35	2.27	-2.07	11.49	-2.11	-8.53	2.01	3.19	3.23
2684	6	10	-10	7.35	1.81	-0.69	11.49	-1.70	-8.89	0.86	3.33	3.09
2680	6	10	-5	7.35	1.65	0.26	11.49	-0.97	-8.89	0.03	3.40	3.02
2664	6	10	0	7.35	1.66	1.25	11.49	-0.20	-8.84	-0.83	3.40	3.02
2668	6	10	5	7.35	1.84	2.06	11.49	0.40	-8.48	-1.95	3.43	2.99
2672	6	10	10	7.36	2.13	2.78	11.49	1.02	-7.62	-2.82	3.43	2.99
2676	6	10	15	7.36	2.55	3.31	11.49	1.59	-7.08	-3.62	3.46	2.96
2702	6	20	-15	7.36	2.55	-2.95	11.49	-1.92	-8.64	1.75	2.93	3.30
2696	6	20	-10	7.35	1.81	-1.06	11.49	-1.75	-8.89	0.70	3.26	2.97
2697	6	20	-10	7.35	1.88	-1.09	11.49	-1.74	-8.90	0.69	3.23	3.00
2706	6	20	-5	7.35	1.65	0.23	11.49	-1.22	-9.03	-0.14	3.19	3.04
2710	6	20	0	7.35	1.67	1.58	11.49	-0.61	-8.91	-1.18	3.27	2.96
2714	6	20	5	7.35	1.94	2.90	11.49	-0.01	-8.62	-2.35	3.36	2.87
2718	6	20	10	7.35	2.29	3.57	11.49	0.76	-7.95	-3.19	3.42	2.81
2739	6	20	15	7.35	2.60	3.59	11.49	1.52	-7.73	-3.38	3.67	2.56

* Indicates model was close to heave stop

TABLE 5.123.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2473		0	-10	-15	14.71	6.45	-5.15	11.49	3.50	15.91	-5.58	2.70	1.39
2464		0	-10	-10	14.75	6.20	-4.24	11.49	2.40	14.35	-5.22	2.37	1.72
2470		0	-10	-10	14.72	6.11	-4.23	11.49	2.29	14.18	-5.16	2.41	1.68
2460		0	-10	-5	14.74	4.97	-2.48	11.49	1.01	9.54	-4.28	2.32	1.77
2429		0	-10	0	14.74	3.80	-0.21	11.49	0.33	6.42	-3.53	2.59	1.50
2433		0	-10	5	14.74	6.19	4.35	11.49	-1.30	9.57	-5.43	2.06	2.03
2437	*	0	-10	10	14.75	11.05	16.96	11.49	-4.97	12.84	-4.48	1.38	2.71
2457	*	0	-10	15	14.73	16.11	27.64	11.49	-10.56	17.27	-3.43	1.26	2.83
2350	*	0	0	-15	14.76	14.90	-21.00	11.49	4.58	4.30	-20.29	1.52	2.63
2346		0	0	-10	14.75	8.04	-7.67	11.49	2.19	6.18	-7.38	2.05	2.10
2342		0	0	-5	14.75	5.16	-2.48	11.49	0.57	5.02	-2.36	2.44	1.71
2319		0	0	0	15.01	4.16	-0.03	11.49	0.12	5.19	-1.76	2.53	1.62
2320		0	0	0	14.72	3.98	-0.10	11.49	0.07	4.94	-1.68	2.54	1.61
2331		0	0	5	14.74	5.15	2.57	11.49	-0.99	8.30	-2.74	2.28	1.87
2332		0	0	5	14.76	5.17	2.57	11.49	-0.97	8.26	-2.76	2.28	1.87
2337	*	0	0	10	14.75	10.31	14.38	11.49	-4.00	11.83	-6.43	1.42	2.73
2338	*	0	0	10	14.76	10.42	14.36	11.49	-3.99	12.04	-6.52	1.42	2.73
2397	*	0	10	-10	14.79	11.16	-16.73	11.49	2.15	-3.71	-19.97	1.51	2.58
2392		0	10	-5	14.75	5.47	-3.46	11.49	0.32	-0.52	-4.13	2.31	1.78
2375		0	10	0	14.76	4.07	-0.06	11.49	-0.14	1.83	-0.81	2.56	1.53
2380		0	10	5	14.74	4.44	1.83	11.49	-0.70	5.97	-0.15	2.51	1.58
2384		0	10	10	14.76	5.54	4.57	11.49	-1.68	9.68	-1.06	2.51	1.58
2388		0	10	15	14.75	5.20	4.25	11.49	-1.31	8.93	-0.09	2.94	1.15
2421	*	0	20	-10	14.75	12.00	-20.67	11.49	2.63	-4.97	-26.73	1.53	2.37
2417		0	20	-5	14.73	5.54	-5.14	11.49	0.29	-3.72	-8.09	2.35	1.55
2401		0	20	0	14.73	4.20	-0.29	11.49	-0.40	-0.78	-2.14	2.60	1.30
2405		0	20	5	14.74	4.14	2.86	11.49	-0.74	1.10	-0.23	2.81	1.09
2409		0	20	10	14.73	3.90	3.76	11.49	-0.51	1.94	-0.97	3.19	0.71
2413		0	20	15	14.74	3.61	3.61	11.49	-0.48	-0.51	-1.79	3.72	0.18
2601		3	-10	-15	14.72	2.27	-2.18	11.49	-1.21	-4.62	1.36	3.81	1.45
2597		3	-10	-10	14.72	2.34	-1.91	11.49	0.08	-1.16	0.31	3.51	1.75
2592		3	-10	-5	14.74	2.35	-1.52	11.49	0.62	0.45	-0.21	3.24	2.02
2587		3	-10	0	14.74	2.55	0.91	11.49	0.60	-0.69	-2.58	3.13	2.13
2605		3	-10	5	14.72	3.66	5.01	11.49	0.04	0.68	-5.97	2.86	2.40
2609		3	-10	10	14.72	6.84	12.78	11.49	-2.12	4.83	-11.37	2.39	2.87
2613	*	3	-10	15	14.75	16.18	31.36	11.49	-9.09	15.80	-15.16	1.28	3.98
2503		3	0	-15	14.72	4.05	-3.53	11.49	-0.63	-0.44	1.63	3.12	2.20
2499		3	0	-10	14.72	3.01	-1.51	11.49	-0.65	-1.47	0.51	3.18	2.14
2495		3	0	-5	14.72	2.44	-0.34	11.49	-0.30	-1.95	-0.15	3.21	2.11
2479		3	0	0	14.71	2.29	0.81	11.49	0.16	-2.07	-1.27	3.23	2.09
2483		3	0	5	14.71	2.86	2.64	11.49	0.43	-1.60	-3.12	3.23	2.09
2487		3	0	10	14.74	4.12	5.87	11.49	0.13	0.19	-6.24	3.12	2.20
2491		3	0	15	14.72	6.99	11.56	11.49	-1.58	4.02	-11.24	2.86	2.46

* Indicates model was close to heave stop

TABLE 5.123.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2537	3	10	-15	14.71	8.36	-13.53	11.49	1.25	-2.68	-2.76	2.21	3.05
2521	3	10	-10	14.72	4.11	-3.19	11.49	-0.72	-3.97	-0.05	2.84	2.42
2517	3	10	-5	14.74	2.98	0.01	11.49	-0.77	-4.37	0.06	3.15	2.11
2509	3	10	0	14.72	2.47	1.85	11.49	-0.29	-4.13	-1.22	3.36	1.90
2513	3	10	5	14.72	2.32	2.30	11.49	0.69	-5.68	-1.80	3.64	1.62
2542	3	10	10	14.72	2.24	2.75	11.49	2.12	-9.26	-2.84	3.90	1.36
2547	3	10	15	14.72	2.26	2.75	11.49	3.61	-12.08	-3.74	4.17	1.09
2580	3	20	-15	14.73	11.73	-24.57	11.49	2.87	-6.63	-12.96	1.83	3.24
2576	3	20	-10	14.72	4.64	-5.50	11.49	-0.17	-5.46	-2.36	2.73	2.34
2572	3	20	-5	14.73	3.16	-0.35	11.49	-0.96	-5.39	-0.73	3.15	1.92
2568	3	20	0	14.75	2.68	2.55	11.49	-0.70	-6.21	-1.68	3.47	1.60
2563	3	20	5	14.73	2.20	3.87	11.49	0.06	-7.84	-3.21	3.87	1.20
2564	3	20	5	14.74	2.18	3.92	11.49	0.06	-7.84	-3.23	3.87	1.20
2559	3	20	10	14.72	2.18	3.73	11.49	1.11	-10.84	-4.08	4.28	0.79
2554	3	20	15	14.72	2.15	3.13	11.49	2.38	-13.01	-4.09	4.61	0.46
3311	6	-10	-15	14.70	2.13	-1.96	11.49	-3.40	-13.54	2.85	5.14	1.28
3307	6	-10	-10	14.70	2.06	-1.79	11.49	-1.71	-11.68	2.18	4.89	1.53
3303	6	-10	-5	14.70	2.01	-1.36	11.49	-0.17	-9.45	1.42	4.60	1.82
3286	6	-10	0	14.71	2.33	0.33	11.49	0.58	-8.57	-1.35	4.27	2.15
3291	6	-10	5	14.69	3.11	3.56	11.49	0.94	-7.62	-5.25	4.07	2.35
3295	6	-10	10	14.69	4.98	9.71	11.49	0.26	-5.45	-11.95	3.69	2.73
3299	6	-10	15	14.69	9.94	21.86	11.49	-2.64	-0.84	-21.78	2.98	3.44
2660	6	0	-15	14.75	2.01	-0.53	11.49	-3.23	-10.63	1.12	4.68	1.80
2656	6	0	-10	14.73	1.58	-0.12	11.49	-2.06	-11.16	0.35	4.77	1.71
2652	6	0	-5	14.73	1.59	0.19	11.49	-0.80	-11.66	-0.07	4.78	1.70
2617	6	0	0	14.72	1.83	0.43	11.49	0.49	-11.61	-0.49	4.68	1.80
2618	6	0	0	14.74	1.69	0.46	11.49	0.49	-11.74	-0.47	4.76	1.72
2622	6	0	5	14.73	1.84	0.95	11.49	1.72	-11.86	-1.39	4.77	1.71
2644	6	0	10	14.72	2.26	1.92	11.49	2.84	-11.65	-2.94	4.71	1.77
2648	6	0	15	14.73	3.10	3.36	11.49	3.62	-10.78	-5.28	4.63	1.85
2690	6	10	-15	14.73	3.33	-2.36	11.49	-2.12	-7.84	3.19	4.10	2.32
2685	6	10	-10	14.74	2.26	0.76	11.49	-2.13	-9.17	-0.26	4.36	2.06
2681	6	10	-5	14.71	2.00	2.34	11.49	-1.46	-10.70	-2.32	4.55	1.87
2665	6	10	0	14.72	1.78	1.97	11.49	-0.18	-13.06	-2.34	4.90	1.52
2669	6	10	5	14.74	1.97	2.24	11.49	1.33	-15.29	-3.11	5.15	1.27
2673	6	10	10	14.76	2.07	2.15	11.49	2.73	-15.96	-3.32	5.34	1.08
2677	6	10	15	14.72	2.23	2.21	11.49	4.36	-16.71	-3.70	5.39	1.03
2703	6	20	-15	14.74	6.06	-9.55	11.49	-0.42	-8.13	5.39	3.18	3.05
2698	6	20	-10	14.72	3.23	-1.24	11.49	-1.77	-8.57	0.92	3.91	2.32
2707	6	20	-5	14.74	2.40	2.75	11.49	-1.66	-9.63	-2.43	4.12	2.11
2711	6	20	0	14.74	2.18	4.98	11.49	-1.14	-11.84	-5.45	4.56	1.67
2715	6	20	5	14.72	2.18	3.80	11.49	0.33	-14.78	-4.78	5.07	1.16
2719	6	20	10	14.74	2.17	3.19	11.49	1.66	-15.75	-4.51	5.40	0.83
2740	6	20	15	14.74	2.32	2.83	11.49	3.15	-16.56	-4.38	5.66	0.57

* Indicates model was close to heave stop

TABLE 5.124.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2474	0	-10	-15	19.67	6.82	-5.70	11.49	3.94	20.88	-6.56	3.09	1.00
2468	0	-10	-10	19.68	9.20	-5.36	11.49	3.97	27.20	-10.07	2.49	1.60
2469	0	-10	-10	19.66	9.33	-5.44	11.49	3.97	27.37	-10.11	2.47	1.62
2461	0	-10	-5	19.68	7.65	-3.53	11.49	1.69	22.33	-7.32	2.33	1.76
2430	0	-10	0	19.68	5.92	-1.01	11.49	0.25	13.73	-5.29	2.55	1.54
2434	0	-10	5	19.69	11.63	10.31	11.49	-2.35	16.97	-11.54	1.72	2.37
2352	0	0	-15	19.19	23.61	-32.22	11.49	8.51	10.01	-35.32	1.55	2.60
2347	0	0	-10	19.61	12.23	-10.92	11.49	4.08	14.21	-12.47	2.14	2.01
2343	0	0	-5	19.59	8.28	-3.39	11.49	1.15	13.07	-4.34	2.41	1.74
2322	0	0	0	19.44	5.88	-0.32	11.49	0.28	11.19	-2.43	2.52	1.63
2323	0	0	0	19.76	5.89	-0.21	11.49	0.38	11.60	-2.44	2.52	1.63
2324	0	0	0	19.63	5.67	-0.19	11.49	0.26	11.30	-2.36	2.57	1.58
2326	0	0	0	19.61	5.86	-0.21	11.49	0.25	11.35	-2.46	2.53	1.62
2327	0	0	0	19.51	6.05	-0.31	11.49	0.27	11.32	-2.44	2.52	1.63
2328	0	0	0	19.58	5.79	-0.42	11.49	0.22	11.34	-2.37	2.59	1.56
2333	0	0	5	19.57	8.21	4.71	11.49	-1.63	15.76	-6.08	2.28	1.87
2339 *	0	0	10	19.60	15.96	22.61	11.49	-5.90	20.46	-11.45	1.44	2.71
2394	0	10	-5	19.57	9.16	-5.88	11.49	1.07	2.33	-8.79	2.20	1.89
2376	0	10	0	19.15	6.43	0.36	11.49	0.08	4.42	-1.24	2.53	1.56
2377	0	10	0	19.59	6.57	0.36	11.49	0.01	4.83	-1.21	2.52	1.57
2381	0	10	5	19.57	6.91	3.05	11.49	-0.81	11.88	-0.61	2.53	1.56
2385	0	10	10	19.59	6.15	4.38	11.49	-1.08	12.72	-0.27	2.95	1.14
2389	0	10	15	19.58	4.81	4.40	11.49	0.15	5.62	-0.78	3.41	0.68
2418	0	20	-5	19.69	9.63	-9.64	11.49	1.33	-4.65	-17.64	2.24	1.66
2402	0	20	0	19.57	6.81	0.22	11.49	-0.14	0.42	-4.37	2.57	1.33
2406	0	20	5	19.57	6.05	5.35	11.49	-0.66	1.60	-0.50	2.91	0.99
2410	0	20	10	19.68	4.50	4.56	11.49	-0.73	-0.06	-1.59	3.62	0.28
2414	0	20	15	19.70	2.84	2.95	11.49	-0.17	-5.05	-1.95	4.17	-0.27
2602	3	-10	-15	19.63	2.15	-2.69	11.49	-2.65	-10.68	2.99	4.11	1.15
2598	3	-10	-10	19.64	2.34	-2.27	11.49	-0.47	-4.78	1.34	3.82	1.44
2593	3	-10	-5	19.64	2.73	-1.85	11.49	0.88	1.93	-0.25	3.44	1.82
2588	3	-10	0	19.67	3.13	1.25	11.49	0.85	2.12	-3.65	3.26	2.00
2606	3	-10	5	19.66	5.24	8.65	11.49	-0.39	4.95	-10.25	2.96	2.30
2610	3	-10	10	19.64	10.41	21.57	11.49	-4.36	12.20	-19.34	2.43	2.83
2504	3	0	-15	19.61	5.25	-4.06	11.49	-0.87	0.46	1.88	3.30	2.02
2500	3	0	-10	19.60	3.78	-0.93	11.49	-0.85	-0.51	-0.38	3.37	1.95
2496	3	0	-5	19.58	3.01	0.16	11.49	-0.26	-0.22	-0.74	3.35	1.97
2480	3	0	0	19.65	2.75	1.12	11.49	0.40	-1.49	-1.43	3.38	1.94
2484	3	0	5	19.64	3.42	3.65	11.49	0.86	-2.14	-4.19	3.47	1.85
2488	3	0	10	19.65	4.99	7.43	11.49	0.75	-0.40	-8.27	3.40	1.92
2492	3	0	15	19.63	8.17	13.98	11.49	-0.94	3.76	-15.19	3.25	2.07

* Indicates model was close to heave stop

TABLE 5.124.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2538	3	10	-15	19.64	13.65	-24.12	11.49	3.56	1.12	-5.79	2.19	3.07
2522	3	10	-10	19.62	6.31	-4.64	11.49	-0.12	-1.07	-2.39	2.81	2.45
2518	3	10	-5	19.64	4.27	1.77	11.49	-0.82	-2.47	-1.82	3.25	2.01
2510	3	10	0	19.65	2.64	2.73	11.49	-0.09	-6.29	-1.77	3.66	1.60
2514	3	10	5	19.60	2.07	3.23	11.49	1.42	-12.45	-3.37	4.07	1.19
2543	3	10	10	19.67	2.01	3.29	11.49	2.89	-15.49	-4.12	4.23	1.03
2544	3	10	10	19.64	1.91	3.15	11.49	2.78	-15.14	-3.93	4.25	1.01
2548	3	10	15	19.66	2.12	3.10	11.49	4.30	-16.47	-4.21	4.35	0.91
2549	3	10	15	19.68	2.11	3.06	11.49	4.30	-16.52	-4.27	4.35	0.91
2577	3	20	-10	19.63	7.14	-9.66	11.49	0.99	-4.25	-5.77	2.73	2.34
2573	3	20	-5	19.61	4.50	0.80	11.49	-1.01	-4.38	-2.88	3.23	1.84
2569	3	20	0	19.66	3.50	5.17	11.49	-0.96	-7.48	-3.96	3.67	1.40
2565	3	20	5	19.64	1.90	3.95	11.49	0.06	-11.98	-3.92	4.35	0.72
2560	3	20	10	19.65	1.77	3.49	11.49	1.44	-16.00	-4.15	4.67	0.40
2555	3	20	15	19.66	1.56	2.68	11.49	3.07	-17.63	-3.50	4.89	0.18
3312	6	-10	-15	19.58	2.15	-2.16	11.49	-4.80	-20.03	3.51	5.48	0.94
3308	6	-10	-10	19.58	1.84	-1.79	11.49	-2.57	-18.10	2.83	5.37	1.05
3304	6	-10	-5	19.57	1.98	-1.38	11.49	-0.40	-15.22	2.10	5.12	1.30
3287	6	-10	0	19.62	2.70	0.22	11.49	0.97	-12.40	-0.86	4.60	1.82
3292	6	-10	5	19.59	3.58	4.37	11.49	1.41	-10.15	-6.39	4.47	1.95
3296	6	-10	10	19.59	6.14	12.77	11.49	0.18	-6.35	-16.69	4.12	2.30
2661	6	0	-15	19.69	1.44	-0.41	11.49	-4.93	-16.92	1.19	5.27	1.21
2657	6	0	-10	19.70	1.41	0.10	11.49	-3.18	-18.18	0.54	5.20	1.28
2653	6	0	-5	19.69	1.39	0.44	11.49	-1.32	-18.66	-0.11	5.28	1.20
2619	6	0	0	19.61	1.56	0.80	11.49	0.67	-18.97	-0.85	5.26	1.22
2623	6	0	5	19.65	1.61	1.22	11.49	2.69	-18.99	-1.52	5.23	1.25
2645	6	0	10	19.68	1.94	1.94	11.49	4.61	-18.54	-2.79	5.14	1.34
2649	6	0	15	19.69	2.51	2.60	11.49	6.28	-17.42	-4.20	5.13	1.35
2691	6	10	-15	19.64	3.72	-2.64	11.49	-2.96	-10.38	4.30	4.43	1.99
2743	6	10	-15	19.67	3.67	-2.43	11.49	-2.97	-10.29	4.16	4.40	2.02
2686	6	10	-10	19.60	2.23	1.61	11.49	-3.08	-13.18	-1.15	4.82	1.60
2687	6	10	-10	19.61	2.29	1.68	11.49	-3.06	-13.20	-1.16	4.79	1.63
2682	6	10	-5	19.63	1.65	2.43	11.49	-1.98	-16.67	-2.70	5.18	1.24
2666	6	10	0	19.68	1.31	2.22	11.49	-0.42	-18.93	-2.79	5.39	1.03
2670	6	10	5	19.69	1.57	2.27	11.49	1.30	-19.84	-3.07	5.50	0.92
2674	6	10	10	19.71	1.89	2.43	11.49	3.21	-20.99	-3.53	5.54	0.88
2678	6	10	15	19.61	1.84	2.25	11.49	4.94	-20.63	-3.56	5.60	0.82
2704	6	20	-15	19.66	9.29	-16.85	11.49	1.00	-8.18	9.46	3.22	3.01
2699	6	20	-10	19.66	3.84	-1.15	11.49	-2.07	-10.26	1.32	4.23	2.00
2700	6	20	-10	19.61	3.91	-1.03	11.49	-2.14	-10.28	1.12	4.08	2.15
2708	6	20	-5	19.65	2.40	4.74	11.49	-2.40	-12.86	-4.87	4.58	1.65
2712	6	20	0	19.62	2.17	6.21	11.49	-1.78	-15.72	-7.45	5.03	1.20
2716	6	20	5	19.65	1.85	3.85	11.49	0.22	-19.60	-4.84	5.49	0.74
2737	6	20	5	19.64	1.62	3.53	11.49	0.19	-18.79	-4.61	5.57	0.66
2736	6	20	10	19.66	1.74	3.16	11.49	1.89	-20.54	-4.32	5.77	0.46
2741	6	20	15	19.67	1.81	2.54	11.49	3.80	-20.41	-3.78	5.94	0.29

* Indicates model was close to heave stop

TABLE 5.200.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1708	-2	-10	0	0	0.06	-0.04	11.49	0.38	0.02	0.01	2.24	1.06
1712	-2	-10	5	0	0.03	-0.00	11.49	0.45	0.04	0.02	2.21	1.09
1715	-2	-10	10	0	0.01	-0.04	11.49	0.41	0.10	0.02	2.20	1.10
1717	-2	-10	15	0	0.01	-0.03	11.49	0.38	0.11	0.00	2.20	1.10
1644	-2	0	0	0	0.03	-0.04	11.49	-0.02	0.23	0.02	2.34	1.02
1649	-2	0	5	0	0.03	-0.02	11.49	-0.03	0.19	0.01	2.27	1.09
1652	-2	0	10	0	0.03	-0.04	11.49	-0.04	0.16	0.01	2.26	1.10
1655	-2	0	15	0	0.04	-0.05	11.49	-0.04	0.10	0.00	2.26	1.10
1659	-2	10	0	0	0.04	-0.05	11.49	-0.45	-0.13	0.03	2.37	0.93
1663	-2	10	5	0	0.03	-0.02	11.49	-0.43	-0.19	0.02	2.36	0.94
1682	-2	10	10	0	0.02	-0.10	11.49	-0.46	-0.21	0.01	2.33	0.97
1687	-2	10	15	0	0.03	-0.03	11.49	-0.36	-0.33	0.00	2.31	0.99
1691	-2	20	0	0	0.04	-0.04	11.49	-0.59	-0.48	0.02	2.36	0.75
1695	-2	20	5	0	0.05	-0.05	11.49	-0.54	-0.47	0.02	2.37	0.74
1700	-2	20	10	0	0.02	-0.04	11.49	-0.49	-0.54	0.01	2.35	0.76
1702	-2	20	15	0	0.03	-0.01	11.49	-0.35	-0.57	0.02	2.35	0.76
1626	0	-10	0	0	0.00	-0.01	11.49	0.41	-4.06	0.03	2.31	1.78
1630	0	-10	5	0	-0.01	0.02	11.49	0.79	-4.00	0.00	2.32	1.77
1634	0	-10	10	0	0.00	0.01	11.49	1.13	-3.90	0.02	2.33	1.76
1638	0	-10	15	0	0.01	0.02	11.49	1.49	-3.88	0.01	2.31	1.78
1556	0	0	0	0	0.00	-0.02	11.49	-0.02	-4.16	0.04	2.06	2.09
1563	0	0	5	0	0.00	0.00	11.49	0.38	-4.17	0.02	2.29	1.86
1567	0	0	10	0	0.01	-0.00	11.49	0.71	-4.05	0.02	2.37	1.78
1571	0	0	15	0	0.01	-0.00	11.49	1.08	-4.05	0.03	2.38	1.77
1578	0	10	0	0	0.02	-0.02	11.49	-0.48	-4.27	0.03	2.30	1.79
1581	0	10	5	0	0.01	-0.00	11.49	-0.07	-4.31	0.04	2.31	1.78
1587	0	10	10	0	0.00	0.01	11.49	0.28	-4.22	0.02	2.33	1.76
1590	0	10	15	0	-0.00	0.02	11.49	0.65	-4.18	0.03	2.35	1.74
1606	0	20	0	0	0.00	-0.03	11.49	-0.59	-4.21	0.03	2.37	1.53
1610	0	20	5	0	0.01	-0.00	11.49	-0.23	-4.29	0.01	2.37	1.53
1614	0	20	10	0	0.00	0.00	11.49	0.16	-4.29	0.02	2.39	1.51
1618	0	20	15	0	0.00	0.00	11.49	0.54	-4.28	0.03	2.42	1.48
1396	3	-10	0	0	0.01	0.03	11.49	0.36	-9.12	0.02	2.62	2.64
1392	3	-10	5	0	0.00	0.04	11.49	1.15	-9.03	0.03	2.62	2.64
1389	3	-10	10	0	0.01	0.03	11.49	1.93	-8.96	0.03	2.61	2.65
1383	3	-10	15	0	-0.02	0.03	11.49	2.67	-8.69	0.05	2.62	2.64
1401	3	0	0	0	0.01	0.04	11.49	0.00	-9.49	0.04	2.51	2.81
1404	3	0	0	0	0.01	0.05	11.49	0.01	-9.48	0.04	2.53	2.79
1408	3	0	5	0	0.01	0.03	11.49	0.80	-9.38	0.05	2.52	2.80
1412	3	0	10	0	0.01	0.04	11.49	1.63	-9.24	0.03	2.52	2.80
1416	3	0	15	0	0.01	0.04	11.49	2.43	-9.08	0.03	2.53	2.79

* Indicates model was close to heave stop

TABLE 5.200.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1435	3	10	0	0	0.00	-0.01	11.49	-0.39	-9.10	0.05	2.55	2.71
1441	3	10	5	0	-0.01	0.02	11.49	0.43	-9.20	0.04	2.55	2.71
1444	3	10	10	0	0.01	0.03	11.49	1.21	-9.07	0.05	2.56	2.70
1448	3	10	15	0	-0.00	0.03	11.49	2.00	-8.92	0.04	2.56	2.70
1456	3	20	0	0	-0.05	0.04	11.49	-0.54	-8.91	0.08	2.62	2.45
1460	3	20	5	0	0.01	-0.00	11.49	0.21	-8.90	0.04	2.61	2.46
1464	3	20	10	0	0.00	0.02	11.49	0.98	-8.86	0.03	2.61	2.46
1468	3	20	15	0	0.01	0.02	11.49	1.75	-8.73	0.03	2.61	2.46
1540	6	-10	0	0	-0.01	0.06	11.49	0.27	-12.18	0.05	2.99	3.43
1544	6	-10	5	0	0.00	0.05	11.49	1.30	-11.90	0.03	3.00	3.42
1548	6	-10	10	0	0.00	0.07	11.49	2.35	-11.82	0.05	2.99	3.43
1552	6	-10	15	0	-0.00	0.06	11.49	3.38	-11.63	0.05	2.96	3.46
1475	6	0	0	0	0.00	0.04	11.49	-0.01	-12.33	0.06	2.98	3.50
1479	6	0	5	0	-0.01	0.09	11.49	1.10	-12.25	0.05	2.99	3.49
1483	6	0	10	0	0.00	0.06	11.49	2.12	-12.01	0.04	3.00	3.48
1487	6	0	15	0	0.00	0.09	11.49	3.22	-12.02	0.04	2.96	3.52
1493	6	10	0	0	0.01	0.05	11.49	-0.27	-12.28	0.05	2.97	3.45
1497	6	10	5	0	0.01	0.08	11.49	0.82	-12.20	0.05	2.97	3.45
1501	6	10	10	0	0.01	0.09	11.49	1.87	-12.09	0.06	2.98	3.44
1505	6	10	15	0	-0.00	0.07	11.49	2.89	-11.80	0.05	2.98	3.44
1521	6	20	0	0	-0.03	0.05	11.49	-0.46	-11.86	0.06	3.03	3.20
1526	6	20	5	0	0.00	0.05	11.49	0.56	-11.96	0.04	3.02	3.21
1529	6	20	10	0	0.01	0.05	11.49	1.58	-11.74	0.04	3.03	3.20
1533	6	20	15	0	0.00	0.04	11.49	2.59	-11.56	0.04	3.03	3.20

* Indicates model was close to heave stop

TABLE 5.201.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1709	-2	-10	0	7.36	1.44	0.09	11.49	0.23	3.58	0.22	1.88	1.42
1713	-2	-10	5	7.36	1.66	1.07	11.49	-0.14	3.82	2.03	1.72	1.58
1716 *	-2	-10	10	7.36	2.42	3.04	11.49	-1.01	4.56	5.13	1.45	1.85
1718 *	-2	-10	15	7.37	3.81	6.23	11.49	-2.28	5.72	8.90	1.21	2.09
1645	-2	0	0	7.37	1.47	-0.02	11.49	0.05	3.94	0.06	1.96	1.40
1648	-2	0	5	7.37	1.65	0.85	11.49	-0.46	4.10	1.62	1.81	1.55
1653	-2	0	10	7.36	2.53	2.79	11.49	-1.22	4.45	4.37	1.56	1.80
1656 *	-2	0	15	7.37	4.38	6.44	11.49	-2.36	5.64	9.02	1.16	2.20
1660	-2	10	0	7.37	1.43	-0.11	11.49	-0.21	3.51	-0.16	2.02	1.28
1664	-2	10	5	7.37	1.53	0.62	11.49	-0.72	3.83	1.24	1.97	1.33
1681	-2	10	5	7.36	1.54	0.65	11.49	-0.74	3.81	1.30	1.87	1.43
1683	-2	10	10	7.36	2.21	2.12	11.49	-1.37	4.52	3.52	1.72	1.58
1686 *	-2	10	15	7.37	3.94	5.36	11.49	-2.38	5.56	7.75	1.33	1.97
1692	-2	20	0	7.37	1.38	-0.19	11.49	-0.43	2.91	-0.35	2.03	1.08
1696	-2	20	5	7.36	1.46	0.60	11.49	-0.76	3.26	1.21	2.00	1.11
1699	-2	20	10	7.36	1.88	1.99	11.49	-1.37	4.21	3.31	1.82	1.29
1703 *	-2	20	15	7.36	3.45	4.87	11.49	-2.39	4.83	7.08	1.35	1.76
1627	0	-10	0	7.37	1.21	0.09	11.49	0.40	-0.14	0.22	2.10	1.99
1631	0	-10	5	7.39	1.38	0.87	11.49	0.40	0.01	1.15	2.03	2.06
1635	0	-10	10	7.39	2.05	2.44	11.49	0.09	0.68	2.72	1.81	2.28
1639 *	0	-10	15	7.36	3.71	5.81	11.49	-0.74	2.21	5.64	1.36	2.73
1560	0	0	0	7.36	1.22	0.02	11.49	0.02	-0.02	0.04	1.91	2.24
1564	0	0	5	7.37	1.39	0.66	11.49	0.05	0.03	0.92	2.08	2.07
1568	0	0	10	7.37	1.87	1.78	11.49	-0.14	0.80	2.25	1.96	2.19
1572 *	0	0	15	7.37	3.34	4.71	11.49	-0.87	2.02	4.85	1.52	2.63
1577	0	10	0	7.37	1.21	-0.09	11.49	-0.42	-0.27	-0.18	2.08	2.01
1582	0	10	5	7.37	1.34	0.51	11.49	-0.39	-0.01	0.82	2.08	2.01
1586	0	10	10	7.37	1.80	1.58	11.49	-0.49	0.76	2.08	1.99	2.10
1591	0	10	15	7.38	2.93	3.75	11.49	-0.94	2.05	3.95	1.70	2.39
1607	0	20	0	7.36	1.18	-0.22	11.49	-0.50	-0.53	-0.37	2.16	1.74
1611	0	20	5	7.38	1.22	0.44	11.49	-0.57	-0.24	0.43	2.15	1.75
1615	0	20	10	7.37	1.60	1.57	11.49	-0.69	0.47	1.53	2.07	1.83
1619	0	20	15	7.37	2.63	3.41	11.49	-1.04	1.84	3.26	1.84	2.06
1397	3	-10	0	7.36	1.29	0.18	11.49	0.48	-5.41	-0.00	2.61	2.65
1393	3	-10	5	7.37	1.42	0.87	11.49	0.94	-5.10	-0.11	2.55	2.71
1390	3	-10	10	7.37	1.94	2.13	11.49	1.13	-4.29	-0.26	2.40	2.86
1405	3	0	0	7.36	1.15	0.09	11.49	0.07	-5.62	0.01	2.54	2.78
1409	3	0	5	7.37	1.38	0.72	11.49	0.58	-5.43	-0.06	2.50	2.82
1413	3	0	10	7.37	1.76	1.73	11.49	1.02	-4.74	-0.20	2.38	2.94
1417	3	0	15	7.37	2.85	3.99	11.49	1.04	-3.29	-0.49	2.13	3.19

* Indicates model was close to heave stop

TABLE 5.201.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1436	3	10	0	7.37	1.27	-0.08	11.49	-0.45	-5.43	0.04	2.54	2.72
1440	3	10	5	7.37	1.33	0.62	11.49	0.06	-5.25	-0.13	2.54	2.72
1445	3	10	10	7.37	1.67	1.66	11.49	0.55	-4.38	-0.41	2.45	2.81
1449	3	10	15	7.37	2.39	3.09	11.49	0.72	-2.91	-0.61	2.30	2.96
1457	3	20	0	7.37	1.24	0.04	11.49	-0.54	-5.31	0.10	2.61	2.46
1461	3	20	5	7.37	1.40	0.78	11.49	-0.20	-5.07	-0.20	2.59	2.48
1465	3	20	10	7.36	1.76	1.97	11.49	0.09	-4.27	-0.80	2.51	2.56
1469	3	20	15	7.37	2.35	3.12	11.49	0.24	-2.75	-1.19	2.42	2.65
1541	6	-10	0	7.37	1.58	-0.11	11.49	0.37	-8.95	0.08	3.20	3.22
1545	6	-10	5	7.37	1.73	0.84	11.49	1.10	-8.79	-0.88	3.13	3.29
1549	6	-10	10	7.37	2.12	2.04	11.49	1.68	-8.18	-1.96	3.00	3.42
1553	6	-10	15	7.37	3.12	4.26	11.49	1.90	-7.29	-3.84	2.73	3.69
1476	6	0	0	7.37	1.50	0.04	11.49	0.01	-9.08	0.04	3.22	3.26
1480	6	0	5	7.37	1.69	0.99	11.49	0.85	-8.96	-0.88	3.17	3.31
1484	6	0	10	7.37	2.05	1.92	11.49	1.54	-8.45	-1.81	3.09	3.39
1488	6	0	15	7.38	2.75	3.37	11.49	2.01	-7.63	-3.14	2.93	3.55
1494	6	10	0	7.37	1.61	0.31	11.49	-0.31	-9.07	-0.05	3.18	3.24
1498	6	10	5	7.36	1.72	1.28	11.49	0.46	-8.83	-1.06	3.17	3.25
1502	6	10	10	7.37	2.05	2.26	11.49	1.13	-8.12	-2.15	3.14	3.28
1506	6	10	15	7.37	2.62	3.21	11.49	1.70	-7.40	-3.09	3.06	3.36
1522	6	20	0	7.37	1.69	0.32	11.49	-0.52	-8.76	0.10	3.18	3.05
1525	6	20	5	7.36	1.90	1.45	11.49	0.16	-8.69	-1.05	3.21	3.02
1530	6	20	10	7.36	2.21	2.71	11.49	0.77	-8.10	-2.35	3.21	3.02
1534	6	20	15	7.37	2.61	3.49	11.49	1.34	-7.26	-3.25	3.24	2.99

* Indicates model was close to heave stop

TABLE 5.203.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, CV = 3

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1710		-2	-10	0	14.74	6.26	1.70	11.49	0.54	1.24	1.60	1.68	1.62
1714	*	-2	-10	5	14.72	7.28	7.77	11.49	-0.14	2.61	11.14	1.34	1.96
1646		-2	0	0	14.74	5.96	0.22	11.49	0.12	0.33	0.14	1.86	1.50
1650	*	-2	0	5	14.72	6.89	5.25	11.49	-0.67	1.17	7.96	1.52	1.84
1654	*	-2	0	10	14.73	10.45	16.88	11.49	-2.43	4.45	19.25	1.20	2.16
1721	*	-2	0	10	14.72	11.05	19.54	11.49	-2.40	4.30	21.87	0.80	2.56
1661		-2	10	0	14.77	5.87	-1.27	11.49	-0.21	1.28	-1.25	1.91	1.39
1665		-2	10	5	14.74	6.58	3.13	11.49	-1.21	2.53	5.74	1.63	1.67
1680		-2	10	5	14.74	6.55	3.23	11.49	-0.95	2.53	6.12	1.57	1.73
1684	*	-2	10	10	14.74	9.37	12.63	11.49	-2.27	4.37	14.78	1.35	1.95
1688	*	-2	10	15	14.71	15.03	23.76	11.49	-2.32	5.55	22.28	1.39	1.91
1693		-2	20	0	14.74	4.58	-0.18	11.49	-0.21	2.27	-0.04	2.01	1.10
1697		-2	20	5	14.73	4.97	3.96	11.49	-0.87	3.34	6.84	1.91	1.20
1701	*	-2	20	10	14.73	9.72	10.13	11.49	-2.59	8.60	11.50	1.31	1.80
1628		0	-10	0	14.74	3.63	0.33	11.49	0.31	3.00	0.80	2.28	1.81
1632		0	-10	5	14.73	4.84	4.25	11.49	-0.08	2.71	2.50	2.09	2.00
1636	*	0	-10	10	14.76	10.31	17.81	11.49	-1.92	6.05	10.30	1.09	3.00
1640	*	0	-10	15	14.73	15.66	30.20	11.49	-3.41	6.93	19.04	1.09	3.00
1561		0	0	0	14.79	3.75	0.12	11.49	0.05	5.05	-0.04	2.12	2.03
1565		0	0	5	14.75	4.51	3.03	11.49	-0.22	5.38	2.62	2.21	1.94
1569	*	0	0	10	14.77	8.97	13.08	11.49	-1.69	7.26	5.63	1.33	2.82
1573	*	0	0	15	14.73	18.35	35.37	11.49	-2.35	5.05	24.90	0.59	3.56
1579		0	10	0	14.74	3.56	-0.20	11.49	-0.24	2.92	-0.73	2.29	1.80
1583		0	10	5	14.71	4.09	2.54	11.49	-0.47	6.26	2.03	2.27	1.82
1588		0	10	10	14.73	6.56	7.64	11.49	-1.44	9.94	5.68	2.07	2.02
1592	*	0	10	15	14.73	19.10	31.95	11.49	-2.27	9.45	18.67	0.49	3.60
1608		0	20	0	14.75	3.47	-0.40	11.49	-0.36	1.09	-1.21	2.40	1.50
1612		0	20	5	14.74	3.68	2.24	11.49	-0.76	5.32	0.46	2.31	1.59
1616		0	20	10	14.73	4.29	4.46	11.49	-1.33	7.54	2.08	2.55	1.35
1620		0	20	15	14.72	4.83	6.46	11.49	-1.58	5.77	0.98	2.93	0.97
1398		3	-10	0	14.73	2.43	-0.21	11.49	0.55	-3.35	0.50	3.13	2.13
1394		3	-10	5	14.75	3.09	2.26	11.49	0.90	-2.88	-0.98	3.01	2.25
1391		3	-10	10	14.72	5.20	7.80	11.49	0.48	0.04	-3.43	2.67	2.59
1400		3	-10	13	14.73	8.67	15.82	11.49	-0.65	3.95	-4.11	2.19	3.07
1388		3	-10	15	14.74	12.90	25.13	11.49	-1.75	6.31	-1.87	1.72	3.54
1406		3	0	0	14.74	2.21	0.14	11.49	0.04	-3.94	0.04	3.06	2.26
1410		3	0	5	14.73	2.65	1.88	11.49	0.65	-3.58	-0.61	3.03	2.29
1414		3	0	10	14.72	3.90	4.86	11.49	1.04	-1.82	-2.02	2.86	2.46
1418		3	0	15	14.74	7.97	13.28	11.49	-0.03	3.43	-4.06	2.42	2.90

* Indicates model was close to heave stop

TABLE 5.203.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1437	3	10	0	14.75	2.40	0.53	11.49	-0.54	-3.50	-0.67	3.09	2.17
1442	3	10	5	14.77	2.37	2.00	11.49	0.20	-4.39	-1.29	3.23	2.03
1446	3	10	10	14.72	2.87	3.65	11.49	1.04	-4.98	-2.29	3.31	1.95
1450	3	10	15	14.73	3.82	5.75	11.49	1.94	-4.98	-3.80	3.34	1.92
1458	3	20	0	14.75	2.60	0.45	11.49	-0.78	-3.18	-0.01	3.07	2.00
1462	3	20	5	14.71	2.50	2.54	11.49	-0.35	-3.49	-1.84	3.32	1.75
1466	3	20	10	14.73	2.63	3.70	11.49	0.52	-6.17	-3.50	3.65	1.42
1470	3	20	15	14.72	3.00	4.62	11.49	1.74	-8.54	-5.25	3.91	1.16
1542	6	-10	0	14.74	2.03	-0.73	11.49	0.52	-10.16	1.14	4.32	2.10
1546	6	-10	5	14.73	2.45	0.98	11.49	1.32	-8.59	-1.14	4.06	2.36
1550	6	-10	10	14.73	3.58	4.60	11.49	1.67	-7.09	-5.25	3.79	2.63
1554	6	-10	15	14.73	6.47	11.47	11.49	0.93	-4.22	-11.83	3.29	3.13
1477	6	0	0	14.74	1.92	0.08	11.49	0.06	-11.31	0.08	4.51	1.97
1481	6	0	5	14.72	2.19	1.16	11.49	1.19	-10.98	-1.21	4.44	2.04
1485	6	0	10	14.74	2.68	2.56	11.49	2.21	-10.23	-2.93	4.34	2.14
1489	6	0	15	14.73	3.89	5.02	11.49	2.80	-8.68	-5.95	4.15	2.33
1495	6	10	0	14.75	2.03	0.95	11.49	-0.46	-10.48	-1.07	4.39	2.03
1499	6	10	5	14.74	2.08	1.92	11.49	0.69	-11.93	-2.47	4.64	1.78
1503	6	10	10	14.76	2.39	2.83	11.49	2.04	-13.06	-4.06	4.83	1.59
1507	6	10	15	14.72	2.95	3.76	11.49	3.47	-13.70	-5.73	4.91	1.51
1523	6	20	0	14.74	2.52	1.64	11.49	-0.85	-8.68	-1.40	4.13	2.10
1527	6	20	5	14.73	2.43	2.55	11.49	0.22	-10.89	-3.16	4.58	1.65
1531	6	20	10	14.73	2.45	3.00	11.49	1.38	-12.62	-4.33	4.96	1.27
1535	6	20	15	14.74	2.64	3.40	11.49	2.74	-13.76	-5.34	5.17	1.06

* Indicates model was close to heave stop

TABLE 5.204.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1711	*	-2	-10	0	19.68	11.22	4.07	11.49	0.73	0.49	4.39	1.28	2.02
1647	*	-2	0	0	19.65	11.51	0.55	11.49	-0.00	-1.21	0.29	1.31	2.05
1651	*	-2	0	5	19.67	12.88	11.44	11.49	-1.31	0.82	19.63	1.21	2.15
1662	*	-2	10	0	19.65	11.54	-3.16	11.49	-0.42	1.11	-5.43	1.20	2.10
1666	*	-2	10	5	19.66	12.16	8.02	11.49	-1.69	3.75	12.62	1.20	2.10
1694	*	-2	20	0	19.63	12.55	-5.66	11.49	-0.16	6.79	-10.62	1.27	1.84
1698	*	-2	20	5	19.65	12.76	2.90	11.49	-1.39	9.87	4.89	1.29	1.82
1629		0	-10	0	19.62	6.09	0.54	11.49	0.00	10.11	1.73	2.17	1.92
1633		0	-10	5	19.61	9.96	7.69	11.49	-1.06	8.80	4.79	1.59	2.50
1637	*	0	-10	10	19.66	16.77	29.58	11.49	-3.31	10.22	21.97	1.08	3.01
1562		0	0	0	19.68	5.64	0.18	11.49	0.02	11.04	0.07	2.24	1.91
1566		0	0	5	19.66	7.65	5.03	11.49	-0.84	12.33	4.97	2.15	2.00
1570	*	0	0	10	19.67	19.91	35.86	11.49	-2.12	6.66	33.26	0.59	3.56
1574	*	0	0	15	19.67	29.24	52.42	11.49	-8.09	8.72	38.01	0.59	3.56
1580		0	10	0	19.63	6.03	-0.06	11.49	0.10	9.77	-1.62	2.18	1.91
1584		0	10	5	19.66	5.98	3.01	11.49	-0.81	11.90	2.41	2.45	1.64
1589		0	10	10	19.65	7.32	7.77	11.49	-1.33	12.17	5.16	2.61	1.48
1593	*	0	10	15	19.64	24.52	35 6[illegible]	11.49	-4.69	22.25	17.11	1.08	3.01
1609		0	20	0	19.67	6.49	-0.34	11.49	-0.09	6.37	-2.10	2.17	1.73
1613		0	20	5	19.63	5.56	2.01	11.49	-1.08	11.53	0.87	2.50	1.40
1617		0	20	10	19.65	5.12	4.33	11.49	-1.70	7.55	0.16	3.04	0.86
1621		0	20	15	19.66	5.35	6.04	11.49	-1.90	3.59	-1.70	3.34	0.56
1399		3	-10	0	19.66	2.98	-0.27	11.49	0.49	-3.63	0.67	3.41	1.85
1395		3	-10	5	19.66	4.28	3.10	11.49	0.93	-0.96	-1.84	3.19	2.07
1385		3	-10	10	19.64	8.15	12.52	11.49	-0.09	4.54	-5.86	2.69	2.57
1386		3	-10	13	19.66	15.42	30.32	11.49	-2.77	13.17	-6.92	2.05	3.21
1384	*	3	-10	15	19.65	22.73	46.49	11.49	-4.60	15.54	-0.42	1.52	3.74
1407		3	0	0	19.63	3.00	0.22	11.49	0.02	-5.60	-0.01	3.47	1.85
1411		3	0	5	19.64	3.38	2.23	11.49	0.85	-4.58	-1.09	3.38	1.94
1415		3	0	10	19.64	4.90	5.90	11.49	1.38	-1.75	-3.25	3.20	2.12
1419		3	0	15	19.68	12.08	20.29	11.49	-0.55	8.57	-7.17	2.52	2.80

* Indicates model was close to heave stop

TABLE 5.204.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1438	3	10	0	19.66	3.09	0.57	11.49	-0.51	-4.29	-0.71	3.40	1.86
1443	3	10	5	19.60	2.95	2.39	11.49	0.49	-7.54	-2.36	3.70	1.56
1447	3	10	10	19.69	3.35	4.33	11.49	1.81	-9.64	-4.72	3.83	1.43
1451	3	10	15	19.64	4.21	6.40	11.49	3.23	-10.68	-7.48	3.89	1.37
1459	3	20	0	19.65	3.37	1.05	11.49	-0.95	-1.26	-0.46	3.28	1.79
1463	3	20	5	19.63	3.05	2.60	11.49	-0.17	-6.26	-2.44	3.78	1.29
1467	3	20	10	19.65	2.87	3.27	11.49	0.94	-9.72	-4.13	4.10	0.97
1471	3	20	15	19.64	2.98	3.99	11.49	2.25	-11.82	-5.67	4.26	0.81
1543	6	-10	0	19.65	2.08	-0.13	11.49	0.58	-13.78	0.55	5.10	1.32
1547	6	-10	5	19.64	2.47	0.95	11.49	1.74	-11.52	-1.13	4.82	1.60
1551	6	-10	10	19.71	3.82	4.33	11.49	2.32	-9.33	-6.02	4.53	1.89
1555	6	-10	15	19.67	7.08	12.12	11.49	1.32	-5.21	-15.44	4.04	2.38
1478	6	0	0	19.67	1.94	0.17	11.49	0.03	-15.61	0.10	5.20	1.28
1482	6	0	5	19.63	2.17	1.54	11.49	1.53	-15.39	-2.20	5.20	1.28
1486	6	0	10	19.62	2.68	2.88	11.49	2.99	-15.04	-4.40	5.17	1.31
1490	6	0	15	19.64	3.48	4.28	11.49	4.39	-14.23	-6.71	5.10	1.38
1496	6	10	0	19.64	1.99	0.44	11.49	-0.65	-14.11	-0.49	5.12	1.30
1500	6	10	5	19.66	2.07	1.48	11.49	0.70	-15.07	-2.22	5.21	1.21
1504	6	10	10	19.67	2.43	2.49	11.49	2.13	-15.61	-4.03	5.28	1.14
1508	6	10	15	19.66	3.05	3.59	11.49	3.62	-15.99	-6.05	5.30	1.12
1524	6	20	0	19.64	2.72	1.51	11.49	-1.04	-11.45	-1.63	4.89	1.34
1528	6	20	5	19.64	2.27	1.60	11.49	0.23	-14.09	-2.30	5.32	0.91
1532	6	20	10	19.68	2.20	1.98	11.49	1.64	-15.32	-3.22	5.52	0.71
1536	6	20	15	19.64	2.38	2.26	11.49	3.16	-16.01	-3.95	5.62	0.61

* Indicates model was close to heave stop

TABLE 5.210.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
585	0	-10	-10	0	0.02	0.10	11.49	-0.25	-3.64	-0.02	2.36	1.73
568	0	-10	-8	0	0.02	0.08	11.49	-0.12	-3.66	0.00	2.36	1.73
582	0	-10	-5	0	0.03	0.07	11.49	0.07	-3.71	0.00	2.33	1.76
569	0	-10	0	0	0.03	0.11	11.49	0.41	-3.69	0.00	2.37	1.72
574	0	-10	5	0	0.02	0.06	11.49	0.67	-3.72	0.00	2.37	1.72
577	0	-10	10	0	0.03	0.02	11.49	0.97	-3.71	0.02	2.37	1.72
468	0	0	-15	0	0.04	0.11	11.49	-1.01	-3.76	-0.01	2.19	1.96
464	0	0	-10	0	0.02	0.13	11.49	-0.62	-3.63	-0.01	2.29	1.86
459	0	0	-5	0	0.03	0.14	11.49	-0.30	-3.65	-0.01	2.30	1.85
439	0	0	0	0	0.01	0.09	11.49	0.04	-3.65	0.01	2.33	1.82
446	0	0	5	0	0.02	0.05	11.49	0.30	-3.82	0.02	2.30	1.85
450	0	0	10	0	0.03	0.05	11.49	0.63	-3.80	0.01	2.33	1.82
454	0	0	15	0	0.05	0.04	11.49	0.98	-3.90	0.03	2.29	1.86
534	0	10	-10	0	0.04	0.01	11.49	-1.17	-3.48	0.01	2.33	1.76
530	0	10	-5	0	0.01	0.07	11.49	-0.83	-3.64	-0.02	2.34	1.75
471	0	10	0	0	0.05	0.11	11.49	-0.45	-3.79	0.00	2.30	1.79
517	0	10	0	0	0.03	0.05	11.49	-0.52	-3.69	0.02	2.38	1.71
475	0	10	5	0	0.03	0.10	11.49	-0.13	-3.93	0.01	2.30	1.79
522	0	10	5	0	0.02	0.07	11.49	-0.15	-3.86	0.03	2.34	1.75
525	0	10	10	0	0.03	0.06	11.49	0.18	-3.84	0.00	2.35	1.74
560	0	20	-10	0	0.05	-0.01	11.49	-1.39	-3.65	0.01	2.37	1.53
553	0	20	-5	0	0.03	0.03	11.49	-1.00	-3.83	0.01	2.38	1.52
555	0	20	-5	0	0.04	-0.01	11.49	-1.05	-3.83	0.01	2.38	1.52
538	0	20	0	0	0.02	0.02	11.49	-0.70	-3.96	0.01	2.36	1.54
543	0	20	5	0	0.02	0.06	11.49	-0.32	-4.05	0.00	2.39	1.51
548	0	20	10	0	0.03	0.07	11.49	0.07	-4.11	0.01	2.40	1.50
250	3	-10	-15	0	0.02	-0.04	11.49	-1.97	-8.41	-0.04	2.61	2.65
245	3	-10	-10	0	-0.00	0.02	11.49	-1.22	-8.74	-0.03	2.57	2.69
241	3	-10	-5	0	-0.01	-0.03	11.49	-0.48	-8.81	-0.07	2.58	2.68
237	3	-10	0	0	-0.02	0.02	11.49	0.30	-8.92	-0.04	2.58	2.68
233	3	-10	5	0	0.00	0.02	11.49	1.07	-8.83	-0.03	2.59	2.67
229	3	-10	10	0	0.03	-0.11	11.49	1.61	-8.69	0.02	2.60	2.66
225	3	-10	15	0	-0.04	-0.18	11.49	2.41	-8.48	-0.03	2.61	2.65
109	3	0	-15	0	-0.01	0.02	11.49	-2.40	-8.72	-0.04	2.52	2.80
104	3	0	-10	0	-0.02	0.06	11.49	-1.62	-8.94	-0.04	2.53	2.79
100	3	0	-5	0	-0.01	0.07	11.49	-0.84	-9.06	-0.03	2.54	2.78
96	3	0	0	0	0.01	-0.03	11.49	-0.13	-9.09	-0.05	2.53	2.79
90	3	0	5	0	-0.02	0.05	11.49	0.74	-9.18	-0.03	2.50	2.82
79	3	0	10	0	-0.01	-0.09	11.49	1.46	-9.12	-0.07	2.56	2.76
81	3	0	10	0	-0.02	-0.23	11.49	1.35	-9.10	-0.12	2.56	2.76
87	3	0	10	0	-0.02	0.02	11.49	1.51	-9.12	-0.02	2.51	2.81
83	3	0	15	0	0.04	0.02	11.49	2.32	-9.01	-0.05	2.49	2.83

* Indicates model was close to heave stop

TABLE 5.210.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
113	3	10	-15	0	0.03	0.03	11.49	-2.76	-8.49	-0.06	2.54	2.72
154	3	10	-15	0	0.09	-0.05	11.49	-2.64	-8.16	-0.02	2.66	2.60
159	3	10	-10	0	0.02	-0.03	11.49	-2.03	-8.77	-0.04	2.50	2.76
163	3	10	-5	0	0.01	-0.03	11.49	-1.28	-8.95	-0.05	2.57	2.69
167	3	10	0	0	0.01	-0.12	11.49	-0.55	-8.90	-0.06	2.57	2.69
171	3	10	5	0	-0.00	0.06	11.49	0.35	-9.04	-0.03	2.55	2.71
185	3	10	5	0	-0.00	-0.01	11.49	0.29	-8.89	-0.01	2.60	2.66
187	3	10	10	0	-0.03	-0.04	11.49	1.09	-8.98	-0.03	2.60	2.66
191	3	10	15	0	0.02	0.21	11.49	2.05	-8.93	0.07	2.58	2.68
219	3	20	-15	0	-0.05	0.02	11.49	-2.74	-8.41	-0.03	2.58	2.49
215	3	20	-10	0	-0.01	0.05	11.49	-2.04	-8.71	-0.03	2.58	2.49
211	3	20	-5	0	0.01	0.01	11.49	-1.30	-8.81	-0.03	2.59	2.48
203	3	20	5	0	0.01	0.01	11.49	0.22	-8.83	-0.03	2.62	2.45
207	3	20	5	0	-0.01	0.04	11.49	0.26	-9.00	-0.03	2.58	2.49
199	3	20	10	0	-0.03	0.02	11.49	1.04	-9.01	0.00	2.60	2.47
195	3	20	15	0	-0.01	0.04	11.49	1.83	-8.86	-0.03	2.60	2.47
419	6	-10	-15	0	-0.04	0.03	11.49	-2.80	-11.44	-0.06	2.90	3.52
415	6	-10	-10	0	-0.05	0.04	11.49	-1.77	-11.48	-0.06	2.93	3.49
411	6	-10	-5	0	-0.02	-0.03	11.49	-0.82	-11.71	-0.07	2.92	3.50
393	6	-10	0	0	-0.03	0.01	11.49	0.23	-11.59	-0.05	2.97	3.45
397	6	-10	5	0	-0.04	0.03	11.49	1.27	-11.74	-0.04	2.94	3.48
401	6	-10	10	0	-0.05	0.02	11.49	2.25	-11.54	-0.04	2.94	3.48
405	6	-10	15	0	-0.04	0.00	11.49	3.23	-11.31	-0.04	2.95	3.47
295	6	0	-15	0	-0.03	0.01	11.49	-3.22	-11.74	-0.08	2.90	3.58
291	6	0	-10	0	-0.03	0.08	11.49	-2.13	-11.95	-0.10	2.92	3.56
287	6	0	-5	0	-0.03	0.04	11.49	-1.11	-12.11	-0.04	2.92	3.56
267	6	0	0	0	-0.04	0.04	11.49	-0.06	-12.17	-0.05	2.93	3.55
273	6	0	5	0	-0.02	-0.02	11.49	0.96	-12.11	-0.05	2.94	3.54
277	6	0	5	0	-0.06	0.06	11.49	0.99	-12.06	-0.03	2.96	3.52
282	6	0	10	0	-0.04	0.07	11.49	2.08	-12.16	-0.04	2.93	3.55
283	6	0	15	0	-0.03	0.02	11.49	3.05	-11.69	-0.05	2.98	3.50
299	6	10	-15	0	-0.02	-0.01	11.49	-3.42	-11.46	-0.08	2.93	3.49
304	6	10	-10	0	-0.05	0.0[illegible]	11.49	-2.40	-11.78	-0.09	2.94	3.48
308	6	10	-5	0	-0.06	0.07	11.49	-1.36	-12.06	-0.06	2.92	3.50
321	6	10	-5	0	-0.06	0.07	11.49	-1.33	-11.92	-0.07	2.92	3.50
324	6	10	0	0	-0.05	0.09	11.49	-0.26	-12.15	-0.05	2.93	3.49
328	6	10	5	0	-0.05	0.04	11.49	0.74	-12.09	-0.06	2.93	3.49
332	6	10	10	0	-0.05	0.08	11.49	1.82	-12.11	-0.05	2.92	3.50
336	6	10	15	0	-0.06	-0.02	11.49	2.76	-11.82	-0.05	2.95	3.47
364	6	20	-15	0	-0.01	-0.05	11.49	-3.61	-11.21	-0.09	2.97	3.26
360	6	20	-10	0	-0.02	0.03	11.49	-2.57	-11.49	-0.06	2.98	3.25
356	6	20	-5	0	-0.02	-0.00	11.49	-1.62	-11.70	-0.06	2.98	3.25
340	6	20	0	0	-0.01	-0.02	11.49	-0.62	-11.76	-0.06	3.00	3.23
344	6	20	5	0	-0.05	0.01	11.49	0.45	-11.81	-0.03	3.01	3.22
348	6	20	10	0	-0.05	0.05	11.49	1.52	-11.80	-0.04	3.00	3.23
352	6	20	15	0	-0.04	-0.05	11.49	2.46	-11.62	-0.05	3.00	3.23

* Indicates model was close to heave stop

TABLE 5.211.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
586	0	-10	-10	7.42	1.86	-1.25	11.49	0.98	0.69	-2.87	1.88	2.21
581	0	-10	-5	7.42	1.39	-0.24	11.49	0.70	0.20	-1.34	1.97	2.12
570	0	-10	0	7.44	1.21	0.44	11.49	0.61	0.19	-0.24	2.01	2.08
573	0	-10	5	7.44	1.45	1.03	11.49	0.33	0.46	0.71	1.92	2.17
578	0	-10	10	7.41	2.09	2.44	11.49	-0.28	1.30	1.76	1.68	2.41
469 *	0	0	-15	7.36	3.31	-4.45	11.49	1.13	1.89	-5.69	1.44	2.71
465	0	0	-10	7.38	1.87	-1.50	11.49	0.69	0.70	-3.03	1.79	2.36
460	0	0	-5	7.38	1.37	-0.33	11.49	0.27	0.02	-1.50	1.93	2.22
443	0	0	0	7.37	1.26	0.01	11.49	0.01	0.19	-0.43	1.98	2.17
447	0	0	5	7.37	1.31	0.60	11.49	-0.03	0.28	0.42	1.93	2.22
451	0	0	10	7.38	1.78	1.63	11.49	-0.34	1.09	1.43	1.80	2.35
455 *	0	0	15	7.37	3.13	4.19	11.49	-0.96	2.37	2.96	1.43	2.72
535	0	10	-10	7.42	2.03	-2.07	11.49	0.20	0.42	-3.50	1.75	2.34
531	0	10	-5	7.43	1.40	-0.66	11.49	-0.22	0.06	-1.81	1.94	2.15
472	0	10	0	7.38	1.23	0.12	11.49	-0.30	-0.15	-0.68	1.98	2.11
518	0	10	0	7.36	1.19	-0.04	11.49	-0.45	-0.04	-0.67	2.04	2.05
476	0	10	5	7.59	1.34	0.69	11.49	-0.36	0.13	0.38	1.96	2.13
523	0	10	5	7.43	1.22	0.56	11.49	-0.37	0.10	0.25	2.00	2.09
526	0	10	10	7.42	1.65	1.41	11.49	-0.59	0.79	1.17	1.91	2.18
561	0	20	-10	7.45	2.22	-2.18	11.49	0.17	0.25	-3.51	1.72	2.18
556	0	20	-5	7.30	1.43	-0.62	11.49	-0.28	-0.26	-1.74	1.96	1.92
539	0	20	0	7.42	1.25	0.11	11.49	-0.53	-0.17	-0.82	2.02	1.88
544	0	20	5	7.40	1.23	0.73	11.49	-0.54	-0.01	-0.07	2.03	1.87
549	0	20	10	7.39	1.66	1.72	11.49	-0.78	0.87	0.99	1.91	1.99
251	3	-10	-15	7.32	2.19	-2.68	11.49	-0.61	-2.67	-0.38	2.27	2.99
246	3	-10	-10	7.34	1.58	-1.27	11.49	-0.43	-4.21	-0.30	2.37	2.89
242	3	-10	-5	7.31	1.25	-0.17	11.49	0.04	-4.94	-0.35	2.43	2.83
238	3	-10	0	7.32	1.16	0.71	11.49	0.55	-5.10	-0.36	2.44	2.82
234	3	-10	5	7.29	1.43	1.46	11.49	0.92	-4.60	-0.43	2.37	2.89
230	3	-10	10	7.31	2.01	2.54	11.49	0.76	-3.70	-0.74	2.23	3.03
226	3	-10	15	7.34	3.33	5.36	11.49	0.15	-2.05	-1.58	1.89	3.37
108	3	0	-15	7.33	2.59	-3.37	11.49	-1.19	-3.36	-0.70	2.12	3.20
110	3	0	-15	7.25	2.51	-3.23	11.49	-1.13	-3.45	-0.69	2.13	3.19
105	3	0	-10	7.33	1.64	-1.30	11.49	-1.07	-4.75	-0.53	2.33	2.99
101	3	0	-5	7.33	1.30	-0.36	11.49	-0.64	-5.21	-0.43	2.42	2.90
97	3	0	0	7.29	1.20	0.26	11.49	-0.08	-5.29	-0.38	2.42	2.90
91	3	0	5	7.20	1.31	1.01	11.49	0.49	-5.11	-0.46	2.34	2.98
92	3	0	5	7.33	1.33	0.99	11.49	0.44	-5.05	-0.45	2.39	2.93
88	3	0	10	7.33	1.77	2.05	11.49	0.77	-4.31	-0.69	2.23	3.09
86	3	0	15	7.32	2.84	4.25	11.49	0.65	-2.88	-1.27	2.00	3.32

* Indicates model was close to heave stop

TABLE 5.211.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
114	3	10	-15	7.29	2.89	-3.87	11.49	-1.29	-3.26	-0.86	2.00	3.26
160	3	10	-10	7.35	1.81	-1.42	11.49	-1.29	-4.52	-0.44	2.25	3.01
164	3	10	-5	7.34	1.42	-0.43	11.49	-1.02	-5.17	-0.42	2.41	2.85
168	3	10	0	7.34	1.27	0.41	11.49	-0.42	-5.29	-0.36	2.45	2.81
172	3	10	5	7.32	1.32	0.98	11.49	0.00	-5.21	-0.56	2.40	2.86
188	3	10	10	7.34	1.62	2.00	11.49	0.49	-4.23	-0.85	2.37	2.89
192	3	10	15	7.34	2.48	3.69	11.49	0.66	-2.70	-1.13	2.20	3.06
220	3	20	-15	7.34	2.64	-3.57	11.49	-1.05	-3.44	-0.62	2.07	3.00
216	3	20	-10	7.35	1.69	-1.32	11.49	-1.12	-4.51	-0.48	2.30	2.77
212	3	20	-5	7.33	1.31	-0.31	11.49	-0.92	-5.06	-0.40	2.43	2.64
204	3	20	5	7.35	1.24	1.05	11.49	-0.07	-5.06	-0.63	2.49	2.58
208	3	20	5	7.35	1.12	0.22	11.49	-0.06	-5.32	-0.47	2.47	2.60
200	3	20	10	7.35	1.63	2.10	11.49	0.41	-4.25	-0.96	2.37	2.70
196	3	20	15	7.34	2.38	3.41	11.49	0.52	-2.79	-1.23	2.24	2.83
420	6	-10	-15	7.36	2.16	-2.44	11.49	-1.67	-7.32	2.18	2.91	3.51
416	6	-10	-10	7.38	1.74	-1.58	11.49	-1.09	-8.01	1.43	2.97	3.45
412	6	-10	-5	7.38	1.44	-0.69	11.49	-0.51	-8.49	0.39	3.00	3.42
409	6	-10	-5	7.43	1.45	-0.60	11.49	-0.48	-8.45	0.40	3.01	3.41
394	6	-10	0	7.36	1.43	0.35	11.49	0.26	-8.58	-0.52	2.99	3.43
398	6	-10	5	7.38	1.65	1.39	11.49	0.94	-8.28	-1.47	2.90	3.52
402	6	-10	10	7.37	2.13	2.82	11.49	1.37	-7.59	-2.79	2.74	3.68
406	6	-10	15	7.37	3.16	5.07	11.49	1.38	-6.49	-4.84	2.56	3.86
296	6	0	-15	7.34	2.19	-2.32	11.49	-2.05	-7.72	1.98	2.87	3.61
292	6	0	-10	7.33	1.74	-1.19	11.49	-1.53	-8.47	1.02	2.97	3.51
288	6	0	-5	7.35	1.48	-0.23	11.49	-0.74	-8.95	0.29	3.02	3.46
268	6	0	0	7.34	1.33	0.48	11.49	-0.06	-9.04	-0.55	3.03	3.45
274	6	0	5	7.32	1.62	1.37	11.49	0.73	-8.71	-1.38	2.98	3.50
278	6	0	10	7.35	1.94	2.48	11.49	1.42	-8.01	-2.32	2.94	3.54
284	6	0	15	7.34	2.83	4.14	11.49	1.69	-7.05	-3.90	2.76	3.72
300	6	10	-15	7.35	2.43	-2.74	11.49	-2.15	-7.53	2.28	2.79	3.63
305	6	10	-10	7.33	1.76	-1.15	11.49	-1.80	-8.39	0.99	2.94	3.48
309	6	10	-5	7.33	1.54	-0.23	11.49	-1.20	-8.84	0.16	2.99	3.43
325	6	10	0	7.34	1.42	0.79	11.49	-0.34	-9.06	-0.66	3.06	3.36
329	6	10	5	7.28	1.56	1.83	11.49	0.41	-8.74	-1.70	3.00	3.42
333	6	10	10	7.35	1.95	2.83	11.49	1.14	-8.07	-2.63	2.95	3.47
337	6	10	15	7.35	2.59	3.90	11.49	1.59	-7.19	-3.72	2.89	3.53
365	6	20	-15	7.33	2.82	-3.82	11.49	-2.06	-7.39	2.93	2.72	3.51
361	6	20	-10	7.33	1.96	-1.59	11.49	-1.87	-8.20	1.34	2.89	3.34
357	6	20	-5	7.34	1.64	-0.28	11.49	-1.37	-8.67	0.34	3.00	3.23
341	6	20	0	7.35	1.59	0.91	11.49	-0.71	-8.73	-0.70	3.06	3.17
345	6	20	5	7.34	1.73	2.02	11.49	-0.02	-8.63	-1.77	3.10	3.13
349	6	20	10	7.34	2.11	3.26	11.49	0.65	-7.93	-2.99	3.05	3.18
353	6	20	15	7.31	2.57	3.88	11.49	1.25	-7.41	-3.64	3.09	3.14

* Indicates model was close to heave stop

TABLE 5.213.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
587		0	-10	-10	14.75	6.47	-6.85	11.49	2.31	8.89	-9.16	1.99	2.10
583		0	-10	-5	14.74	4.08	-2.26	11.49	1.07	5.71	-3.69	2.16	1.93
571		0	-10	0	14.71	3.52	0.46	11.49	0.45	2.91	-0.82	2.20	1.89
575		0	-10	5	14.74	4.89	4.53	11.49	-0.45	4.26	0.18	1.86	2.23
579	*	0	-10	10	14.74	8.41	13.58	11.49	-2.53	7.31	2.56	1.43	2.66
466	*	0	0	-10	14.74	7.98	-10.47	11.49	2.22	5.04	-10.58	1.44	2.71
461		0	0	-5	14.77	4.32	-2.67	11.49	0.67	4.47	-4.90	2.13	2.02
444		0	0	0	14.81	3.58	0.05	11.49	0.15	4.60	-1.64	2.16	1.99
448		0	0	5	14.81	4.33	2.70	11.49	-0.47	5.89	0.59	2.02	2.13
452	*	0	0	10	14.81	7.79	10.94	11.49	-2.24	9.67	0.07	1.43	2.72
456	*	0	0	15	14.77	11.86	20.39	11.49	-3.60	11.63	2.14	1.43	2.72
536		0	10	-10	14.71	7.75	-11.72	11.49	1.33	1.97	-12.58	1.60	2.49
532		0	10	-5	14.70	4.33	-3.41	11.49	0.18	1.31	-5.07	2.08	2.01
473		0	10	0	14.77	3.58	-0.71	11.49	-0.65	2.92	-2.71	2.15	1.94
478		0	10	5	14.64	3.94	2.43	11.49	-0.40	5.78	0.28	2.15	1.94
527		0	10	10	14.71	5.93	6.95	11.49	-1.50	9.41	2.45	1.97	2.12
528		0	10	10	14.71	5.96	6.92	11.49	-1.53	9.46	2.43	1.97	2.12
562	*	0	20	-10	14.72	8.92	-11.81	11.49	3.95	13.03	-10.56	1.49	2.41
567		0	20	-8	14.74	6.25	-8.60	11.49	1.45	3.17	-8.86	1.85	2.05
557		0	20	-5	14.61	4.29	-3.53	11.49	0.24	1.27	-4.29	2.13	1.77
558		0	20	-5	14.71	4.36	-3.75	11.49	0.13	1.34	-4.43	2.13	1.77
540		0	20	0	14.70	3.38	-0.11	11.49	-0.22	1.12	-2.16	2.25	1.65
546		0	20	5	14.68	3.53	2.34	11.49	-0.58	4.44	-0.78	2.20	1.70
550		0	20	10	14.68	4.21	4.91	11.49	-1.04	6.09	0.40	2.45	1.45
252		3	-10	-15	14.74	3.20	-4.58	11.49	-1.48	-4.64	2.32	3.25	2.01
247		3	-10	-10	14.74	2.59	-2.69	11.49	-0.56	-3.79	1.10	3.14	2.12
243		3	-10	-5	14.72	2.23	-1.07	11.49	0.19	-2.83	0.38	3.01	2.25
239		3	-10	0	14.74	2.36	1.06	11.49	0.63	-2.87	-0.62	2.91	2.35
235		3	-10	5	14.74	3.28	4.05	11.49	0.72	-1.91	-2.31	2.75	2.51
231		3	-10	10	14.72	6.02	11.34	11.49	-0.23	1.74	-5.69	2.33	2.93
227	*	3	-10	15	14.73	13.76	29.04	11.49	-4.03	9.28	-6.94	1.45	3.81
111		3	0	-15	14.74	6.56	-10.04	11.49	-0.21	2.21	0.11	2.50	2.82
106		3	0	-10	14.78	3.29	-3.13	11.49	-1.01	-2.47	-0.20	2.83	2.49
102		3	0	-5	14.78	2.45	-0.78	11.49	-0.56	-3.71	-0.51	2.89	2.43
98		3	0	0	14.78	2.09	0.89	11.49	0.10	-4.00	-0.74	2.93	2.39
94		3	0	5	14.78	2.76	3.32	11.49	0.66	-2.99	-1.70	2.85	2.47
89		3	0	10	14.78	4.49	7.29	11.49	0.67	-0.13	-3.51	2.59	2.73
85		3	0	15	14.78	9.63	17.98	11.49	-1.35	5.88	-7.07	2.10	3.22

* Indicates model was close to heave stop

TABLE 5.213.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
115	3	10	-15	14.74	10.28	-18.66	11.49	1.32	5.26	-0.84	1.95	3.31
155	3	10	-15	14.67	9.65	-17.02	11.49	0.78	4.93	0.13	2.12	3.14
156	3	10	-15	14.77	9.71	-17.21	11.49	1.09	4.89	-0.04	2.10	3.16
161	3	10	-10	14.81	4.13	-4.66	11.49	-0.92	-1.30	0.72	2.63	2.63
165	3	10	-5	14.81	2.60	-0.71	11.49	-1.03	-3.48	-0.51	2.93	2.33
169	3	10	0	14.81	2.24	1.25	11.49	-0.40	-4.07	-1.27	3.00	2.26
173	3	10	5	14.81	2.23	2.85	11.49	0.41	-4.87	-1.83	3.13	2.13
189	3	10	10	14.77	2.80	4.63	11.49	1.19	-5.22	-3.04	3.20	2.06
193	3	10	15	14.78	3.96	6.96	11.49	1.90	-4.59	-4.68	3.18	2.08
221	3	20	-15	14.74	8.72	-15.42	11.49	0.60	2.42	0.06	2.18	2.89
217	3	20	-10	14.73	4.10	-4.81	11.49	-0.65	-1.15	0.97	2.68	2.39
213	3	20	-5	14.74	2.53	-0.51	11.49	-0.88	-3.43	-0.36	2.93	2.14
209	3	20	0	14.74	2.21	1.32	11.49	-0.52	-3.96	-1.49	3.02	2.05
205	3	20	5	14.75	2.21	2.96	11.49	0.29	-5.15	-2.23	3.20	1.87
201	3	20	10	14.75	2.72	4.73	11.49	1.20	-6.14	-3.60	3.29	1.78
197	3	20	15	14.74	3.59	6.61	11.49	2.35	-7.16	-5.60	3.38	1.69
421	6	-10	-15	14.82	2.41	-2.97	11.49	-3.18	-12.63	4.43	4.55	1.87
417	6	-10	-10	14.82	1.94	-2.03	11.49	-1.82	-11.97	2.98	4.41	2.01
413	6	-10	-5	14.80	1.64	-1.12	11.49	-0.61	-10.56	1.54	4.25	2.17
395	6	-10	0	14.81	1.96	0.09	11.49	0.51	-8.66	0.18	3.96	2.46
399	6	-10	5	14.79	2.58	3.06	11.49	1.05	-7.71	-3.49	3.73	2.69
403	6	-10	10	14.78	4.12	7.79	11.49	0.89	-5.64	-8.45	3.36	3.06
407	6	-10	15	14.81	7.62	16.16	11.49	-0.62	-1.76	-15.77	2.89	3.53
297	6	0	-15	14.74	2.80	-2.88	11.49	-2.98	-9.46	3.34	4.14	2.34
293	6	0	-10	14.74	2.06	-1.41	11.49	-2.11	-10.54	1.76	4.26	2.22
289	6	0	-5	14.72	1.61	-0.33	11.49	-1.08	-10.93	0.47	4.30	2.18
269	6	0	0	14.72	1.62	0.92	11.49	0.13	-10.95	-0.75	4.28	2.20
275	6	0	5	14.70	1.95	2.10	11.49	1.22	-10.39	-2.05	4.22	2.26
279	6	0	10	14.71	2.84	4.09	11.49	2.01	-9.45	-4.49	4.05	2.43
280	6	0	10	14.70	2.80	4.00	11.49	1.97	-9.40	-4.46	4.06	2.42
285	6	0	15	14.72	4.56	7.75	11.49	2.12	-7.12	-8.66	3.77	2.71
302	6	10	-15	14.72	4.23	-5.86	11.49	-1.89	-5.93	6.00	3.50	2.92
306	6	10	-10	14.74	2.63	-1.60	11.49	-2.05	-8.09	1.77	3.83	2.59
310	6	10	-5	14.74	1.90	0.49	11.49	-1.37	-9.57	-0.51	4.09	2.33
326	6	10	0	14.71	1.58	1.57	11.49	-0.47	-11.39	-1.92	4.34	2.08
330	6	10	5	14.67	1.70	2.63	11.49	0.74	-12.75	-3.54	4.52	1.90
334	6	10	10	14.67	2.12	3.63	11.49	2.10	-13.66	-5.10	4.65	1.77
338	6	10	15	14.70	2.77	4.55	11.49	3.38	-14.03	-6.82	4.72	1.70
366	6	20	-15	14.74	5.88	-10.31	11.49	-0.84	-5.14	9.25	3.22	3.01
362	6	20	-10	14.74	3.29	-3.33	11.49	-1.73	-7.06	3.53	3.61	2.62
358	6	20	-5	14.74	2.46	0.32	11.49	-1.62	-8.27	-0.12	3.85	2.38
342	6	20	0	14.71	1.91	2.37	11.49	-0.89	-10.11	-2.65	4.22	2.01
346	6	20	5	14.74	2.01	2.90	11.49	0.11	-12.16	-3.96	4.62	1.61
350	6	20	10	14.75	2.22	3.38	11.49	1.35	-13.66	-5.00	4.86	1.37
354	6	20	15	14.74	2.46	3.54	11.49	2.56	-14.33	-5.74	5.04	1.19

* Indicates model was close to heave stop

TABLE 5.214.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
588	0	-10	-10	19.67	10.62	-10.81	11.49	3.94	17.56	-15.82	2.06	2.03
584	0	-10	-5	19.62	6.38	-3.17	11.49	1.40	12.01	-5.63	2.32	1.77
572	0	-10	0	19.63	5.86	0.21	11.49	0.25	9.16	-0.77	2.18	1.91
576 *	0	-10	5	19.63	9.97	8.92	11.49	-1.51	11.03	-1.35	1.44	2.65
580 *	0	-10	10	19.62	14.02	24.16	11.49	-4.77	13.48	4.18	1.43	2.66
467 *	0	0	-10	19.68	13.66	-17.77	11.49	3.53	11.00	-19.60	1.43	2.72
462	0	0	-5	19.70	7.29	-4.47	11.49	1.47	10.41	-8.95	2.13	2.02
445	0	0	0	19.67	5.51	-0.28	11.49	0.06	10.00	-2.14	2.26	1.89
449	0	0	5	19.68	7.13	4.33	11.49	-1.03	12.08	1.23	2.08	2.07
453 *	0	0	10	19.69	13.02	17.98	11.49	-4.06	17.75	1.50	1.43	2.72
457 *	0	0	15	19.67	20.59	35.15	11.49	-7.20	20.84	4.34	1.42	2.73
537 *	0	10	-10	19.61	14.23	-22.23	11.49	3.90	5.65	-26.36	1.43	2.66
533	0	10	-5	19.62	8.28	-6.56	11.49	0.93	5.56	-10.43	1.87	2.22
474	0	10	0	19.68	5.92	-0.32	11.49	0.43	8.97	-4.14	2.16	1.93
519	0	10	0	19.81	5.92	-0.52	11.49	0.23	9.26	-4.35	2.16	1.93
520	0	10	0	19.45	5.78	-0.67	11.49	0.22	8.83	-4.23	2.17	1.92
479	0	10	5	19.88	5.74	2.99	11.49	-0.60	9.83	-0.31	2.46	1.63
521	0	10	5	19.76	5.66	2.76	11.49	-0.56	9.91	-0.32	2.43	1.66
529	0	10	10	19.75	7.63	8.41	11.49	-1.53	12.89	2.57	2.42	1.67
563	0	20	-10	19.62	14.30	-17.66	11.49	6.79	24.17	-18.63	1.61	2.29
566 *	0	20	-8	19.62	13.10	-19.58	11.49	3.42	6.97	-25.67	1.44	2.46
554	0	20	-5	19.45	7.94	-6.36	11.49	1.18	4.45	-9.74	2.01	1.89
559	0	20	-5	19.74	8.43	-7.88	11.49	0.58	4.73	-11.04	1.96	1.94
541	0	20	0	19.56	6.41	-0.14	11.49	-0.04	4.27	-3.97	2.12	1.78
547	0	20	5	19.55	5.24	2.22	11.49	-0.79	8.52	-1.47	2.51	1.39
564	0	20	5	19.62	5.38	2.46	11.49	-0.80	8.81	-1.31	2.49	1.41
551	0	20	10	19.57	5.26	5.29	11.49	-1.43	5.94	-1.41	2.93	0.97
552	0	20	10	19.50	5.25	5.30	11.49	-1.45	5.94	-1.42	2.93	0.97
565	0	20	10	19.62	5.23	4.93	11.49	-1.48	6.37	-1.23	2.90	1.00
253	3	-10	-15	19.68	3.51	-5.01	11.49	-2.68	-9.32	5.25	3.73	1.53
248	3	-10	-10	19.64	2.85	-2.99	11.49	-1.29	-7.73	2.97	3.62	1.64
249	3	-10	-10	19.68	2.75	-2.91	11.49	-1.30	-7.75	2.93	3.64	1.62
244	3	-10	-5	19.68	2.75	-1.12	11.49	-0.17	-4.74	0.90	3.41	1.85
240	3	-10	0	19.67	3.17	1.47	11.49	0.77	-1.61	-0.80	3.17	2.09
236	3	-10	5	19.68	4.71	6.24	11.49	0.60	0.47	-4.38	2.96	2.30
232	3	-10	10	19.67	10.38	20.66	11.49	-1.74	9.36	-9.80	2.24	3.02
228 *	3	-10	15	19.69	22.93	50.70	11.49	-8.09	20.96	-11.96	1.44	3.82
254 *	3	-10	15	19.63	22.85	50.32	11.49	-8.41	20.83	-11.62	1.45	3.81
112	3	0	-15	19.69	8.70	-13.48	11.49	-0.31	4.33	1.94	2.76	2.56
107	3	0	-10	19.75	3.58	-3.11	11.49	-1.43	-3.86	0.92	3.27	2.05
103	3	0	-5	19.73	2.98	-0.69	11.49	-0.67	-5.02	0.04	3.31	2.01
99	3	0	0	19.74	2.88	1.42	11.49	0.24	-4.85	-0.72	3.29	2.03
95	3	0	5	19.70	3.60	4.37	11.49	1.02	-3.52	-2.52	3.20	2.12
82	3	0	10	19.69	5.96	9.70	11.49	0.94	0.86	-5.58	2.99	2.33
84	3	0	15	19.63	14.86	28.07	11.49	-2.72	13.29	-10.80	2.20	3.12

* Indicates model was close to heave stop

TABLE 5.214.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
158	3	10	-15	19.63	15.49	-27.44	11.49	1.16	10.69	-3.30	2.20	3.06
162	3	10	-10	19.76	5.12	-4.90	11.49	-1.01	0.37	1.43	3.01	2.25
166	3	10	-5	19.75	3.39	-0.44	11.49	-1.10	-2.85	-0.68	3.18	2.08
170	3	10	0	19.76	2.72	1.74	11.49	-0.30	-6.04	-1.65	3.40	1.86
174	3	10	5	19.73	2.76	3.69	11.49	0.78	-8.81	-3.59	3.61	1.65
186	3	10	5	19.73	2.63	3.69	11.49	0.69	-8.84	-3.69	3.63	1.63
190	3	10	10	19.69	3.22	5.76	11.49	1.89	-10.37	-6.28	3.69	1.57
194	3	10	15	19.68	4.36	8.19	11.49	3.30	-11.14	-9.21	3.74	1.52
222	3	20	-15	19.64	10.73	-18.44	11.49	0.68	5.50	1.57	2.73	2.34
224	3	20	-14	19.62	14.29	-26.30	11.49	2.61	11.60	0.38	2.11	2.96
223	3	20	-13	19.64	11.73	-20.06	11.49	1.20	8.75	1.31	2.28	2.79
218	3	20	-10	19.64	5.47	-5.72	11.49	-0.58	1.02	1.85	2.93	2.14
214	3	20	-5	19.70	3.34	-0.29	11.49	-1.05	-2.47	-0.57	3.17	1.90
210	3	20	0	19.69	2.68	1.76	11.49	-0.45	-5.77	-1.79	3.43	1.64
206	3	20	5	19.69	2.65	3.59	11.49	0.52	-8.95	-3.77	3.68	1.39
202	3	20	10	19.69	3.15	5.62	11.49	1.73	-10.69	-6.19	3.75	1.32
198	3	20	15	19.68	4.09	7.51	11.49	2.93	-11.52	-8.87	3.80	1.27
422	6	-10	-15	19.68	2.29	-2.48	11.49	-3.45	-14.66	4.18	4.99	1.43
418	6	-10	-10	19.68	1.77	-1.42	11.49	-2.10	-14.33	2.43	4.99	1.43
414	6	-10	-5	19.68	1.56	-0.49	11.49	-0.79	-13.78	0.94	4.93	1.49
396	6	-10	0	19.70	1.81	0.78	11.49	0.55	-12.57	-0.68	4.77	1.65
400	6	-10	5	19.70	2.54	2.81	11.49	1.45	-10.41	-3.58	4.51	1.91
404	6	-10	10	19.67	4.51	8.15	11.49	1.40	-7.41	-10.36	4.08	2.34
408	6	-10	15	19.67	10.04	22.25	11.49	-1.65	0.16	-24.35	3.29	3.13
298	6	0	-15	19.68	2.71	-3.14	11.49	-4.22	-14.32	5.25	4.95	1.53
294	6	0	-10	19.67	2.03	-1.68	11.49	-2.84	-14.68	2.98	5.00	1.48
290	6	0	-5	19.67	1.53	-0.27	11.49	-1.48	-15.10	0.73	5.01	1.47
270	6	0	0	19.64	1.46	1.54	11.49	0.24	-15.04	-1.28	5.03	1.45
272	6	0	0	19.61	1.40	1.12	11.49	-0.03	-15.13	-1.45	5.04	1.44
276	6	0	5	19.61	1.90	2.59	11.49	1.42	-15.14	-3.63	4.99	1.49
281	6	0	10	19.62	2.49	3.96	11.49	2.82	-14.83	-5.83	4.97	1.51
286	6	0	15	19.64	3.43	5.52	11.49	4.16	-14.12	-8.17	4.92	1.56
303	6	10	-15	19.68	3.81	-4.59	11.49	-3.05	-8.49	6.48	4.44	1.98
307	6	10	-10	19.68	2.46	-1.35	11.49	-2.84	-11.14	2.17	4.64	1.78
311	6	10	-5	19.68	1.79	0.00	11.49	-1.86	-13.42	0.33	4.91	1.51
322	6	10	-5	19.58	1.85	-0.19	11.49	-2.02	-13.39	0.26	4.91	1.51
327	6	10	0	19.61	1.56	1.09	11.49	-0.73	-14.85	-1.46	5.01	1.41
331	6	10	5	19.58	1.55	2.05	11.49	0.58	-15.25	-3.04	5.12	1.30
335	6	10	10	19.57	2.03	3.09	11.49	1.96	-16.08	-4.98	5.12	1.30
339	6	10	15	19.62	2.70	4.32	11.49	3.32	-16.14	-7.00	5.13	1.29
367	6	20	-15	19.63	6.86	-12.14	11.49	-0.50	-5.11	13.99	3.80	2.43
363	6	20	-10	19.63	3.51	-3.23	11.49	-2.10	-8.05	4.60	4.33	1.90
359	6	20	-5	19.63	2.53	0.82	11.49	-2.12	-10.36	-0.62	4.57	1.66
343	6	20	0	19.62	1.79	1.56	11.49	-1.12	-13.51	-1.98	5.04	1.19
347	6	20	5	19.61	1.78	1.95	11.49	0.10	-15.31	-2.97	5.24	0.99
351	6	20	10	19.62	1.83	2.08	11.49	1.50	-16.05	-3.50	5.39	0.84
355	6	20	15	19.64	1.95	2.08	11.49	2.84	-16.17	-3.92	5.48	0.75

* Indicates model was close to heave stop

TABLE 5.220.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2934	0	-10	-15	0	0.02	-0.08	11.49	-0.43	-3.57	0.03	2.26	1.83
2930	0	-10	-10	0	0.03	-0.06	11.49	-0.08	-3.55	-0.01	2.27	1.82
2926	0	-10	-5	0	0.03	-0.02	11.49	0.26	-3.53	-0.05	2.26	1.83
2912	0	-10	0	0	0.04	-0.05	11.49	0.49	-3.36	0.02	2.27	1.82
2916	0	-10	5	0	0.01	0.01	11.49	0.88	-3.39	0.01	2.27	1.82
2920	0	-10	10	0	0.00	-0.03	11.49	1.15	-3.28	0.02	2.28	1.81
2924	0	-10	15	0	-0.00	-0.05	11.49	1.39	-3.22	0.02	2.26	1.83
2830	0	0	-15	0	0.06	-0.07	11.49	-0.89	-3.79	0.00	2.23	1.92
2831	0	0	-15	0	0.07	-0.06	11.49	-0.89	-3.78	0.00	2.23	1.92
2825	0	0	-10	0	0.06	-0.05	11.49	-0.56	-3.74	-0.01	2.28	1.87
2821	0	0	-5	0	0.05	-0.04	11.49	-0.20	-3.67	-0.01	2.28	1.87
2797	0	0	0	0	0.03	0.02	11.49	0.11	-3.61	-0.03	2.24	1.91
2802	0	0	5	0	0.05	0.01	11.49	0.43	-3.67	-0.01	2.24	1.91
2816	0	0	10	0	0.08	0.06	11.49	0.81	-3.57	0.09	2.28	1.87
2859	0	10	-15	0	0.08	-0.09	11.49	-1.37	-3.65	-0.03	2.27	1.82
2855	0	10	-10	0	0.07	-0.04	11.49	-1.00	-3.84	-0.02	2.26	1.83
2851	0	10	-5	0	0.06	-0.03	11.49	-0.65	-3.68	-0.01	2.32	1.77
2835	0	10	0	0	0.02	-0.09	11.49	-0.37	-3.60	0.02	2.33	1.76
2839	0	10	5	0	0.01	-0.06	11.49	-0.00	-3.74	0.05	2.31	1.78
2843	0	10	10	0	0.04	-0.07	11.49	0.31	-3.71	0.03	2.32	1.77
2847	0	10	15	0	0.04	-0.08	11.49	0.62	-3.65	0.04	2.33	1.76
2895	0	20	-15	0	0.09	-0.03	11.49	-1.58	-3.96	0.01	2.25	1.65
2889	0	20	-10	0	0.06	0.01	11.49	-1.11	-3.73	0.01	2.40	1.50
2891	0	20	-10	0	0.08	-0.03	11.49	-1.13	-3.70	0.02	2.40	1.50
2880	0	20	-5	0	0.06	-0.07	11.49	-0.42	-0.13	-0.03	2.36	1.54
2885	0	20	-5	0	0.05	-0.03	11.49	-0.77	-3.73	0.01	2.42	1.48
2864	0	20	0	0	0.04	-0.05	11.49	-0.48	-3.66	-0.01	2.46	1.44
2868	0	20	5	0	0.00	-0.07	11.49	-0.13	-3.77	0.00	2.40	1.50
2872	0	20	10	0	0.02	-0.06	11.49	0.21	-3.78	0.01	2.41	1.49
2876	0	20	15	0	0.06	-0.05	11.49	0.53	-3.74	0.00	2.40	1.50
3072	3	-10	-15	0	0.01	-0.02	11.49	-1.77	-8.53	0.02	2.65	2.61
3068	3	-10	-10	0	0.01	0.00	11.49	-0.97	-8.66	0.00	2.65	2.61
3064	3	-10	-5	0	0.02	0.02	11.49	-0.21	-8.67	0.01	2.64	2.62
3047	3	-10	0	0	-0.03	-0.08	11.49	0.49	-8.55	-0.02	2.65	2.61
3051	3	-10	5	0	0.01	-0.02	11.49	1.27	-8.57	0.03	2.64	2.62
3056	3	-10	10	0	0.01	-0.01	11.49	2.01	-8.44	0.03	2.64	2.62
3061	3	-10	15	0	0.01	0.01	11.49	2.74	-8.27	0.01	2.65	2.61
2967	3	0	-15	0	0.00	-0.01	11.49	-2.22	-8.85	0.03	2.53	2.79
2962	3	0	-10	0	0.00	-0.02	11.49	-1.45	-9.01	0.06	2.52	2.80
2958	3	0	-5	0	0.01	-0.02	11.49	-0.64	-9.11	0.04	2.51	2.81
2942	3	0	0	0	-0.01	-0.04	11.49	0.13	-8.89	0.03	2.52	2.80
2946	3	0	5	0	-0.00	-0.02	11.49	0.95	-9.00	0.09	2.50	2.82
2950	3	0	10	0	0.02	-0.02	11.49	1.72	-8.89	0.05	2.50	2.82
2954	3	0	15	0	0.02	-0.05	11.49	2.45	-8.69	0.02	2.52	2.80

* Indicates model was close to heave stop

TABLE 5.220.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2984	3	10	-15	0	-0.01	-0.01	11.49	-2.48	-8.53	0.03	2.54	2.72
2980	3	10	-10	0	0.01	-0.05	11.49	-1.77	-8.72	0.01	2.54	2.72
2976	3	10	-5	0	0.01	-0.04	11.49	-1.02	-8.79	0.02	2.55	2.71
2972	3	10	0	0	0.00	0.05	11.49	-0.18	-8.65	0.02	2.57	2.69
2989	3	10	5	0	0.03	-0.03	11.49	0.56	-8.93	0.00	2.51	2.75
2993	3	10	10	0	0.01	-0.01	11.49	1.37	-8.85	0.04	2.51	2.75
2997	3	10	15	0	0.01	-0.04	11.49	2.07	-8.70	0.01	2.52	2.74
3042	3	20	-15	0	0.03	-0.01	11.49	-2.57	-8.10	0.02	2.65	2.42
3037	3	20	-10	0	0.02	-0.03	11.49	-1.87	-8.23	0.06	2.65	2.42
3033	3	20	-5	0	0.03	-0.02	11.49	-1.11	-8.34	0.02	2.65	2.42
3003		20	0	0	0.02	0.00	11.49	-0.39	-8.44	0.02	2.61	2.46
3007		20	5	0	0.02	-0.05	11.49	0.31	-8.61	0.02	2.58	2.49
3024	3	20	10	0	-0.01	-0.05	11.49	1.02	-8.35	0.07	2.61	2.46
3029	3	20	15	0	0.01	-0.06	11.49	1.70	-8.27	0.10	2.64	2.43
3198	6	-10	-15	0	-0.02	0.05	11.49	-2.70	-11.83	0.05	3.01	3.41
3194	6	-10	-10	0	-0.02	0.05	11.49	-1.63	-11.82	0.04	3.03	3.39
3190	6	-10	-5	0	-0.01	0.05	11.49	-0.62	-12.10	0.04	3.01	3.41
3186	6	-10	0	0	-0.02	0.07	11.49	0.43	-11.75	0.03	3.06	3.36
3202	6	-10	5	0	0.00	0.05	11.49	1.51	-11.82	0.05	3.03	3.39
3206	6	-10	10	0	0.02	0.04	11.49	2.47	-11.67	0.03	3.04	3.38
3210	6	-10	15	0	0.01	0.05	11.49	3.46	-11.31	0.05	3.06	3.36
3106	6	0	-15	0	-0.02	0.03	11.49	-2.99	-11.88	0.02	3.03	3.45
3101	6	0	-10	0	-0.02	0.04	11.49	-1.93	-12.15	0.03	3.02	3.46
3097	6	0	-5	0	0.01	0.02	11.49	-0.86	-12.18	0.04	3.03	3.45
3079	6	0	0	0	-0.01	0.02	11.49	0.14	-12.17	0.00	3.01	3.47
3093	6	0	15	0	0.01	0.02	11.49	3.33	-11.74	0.04	3.02	3.46
3150	6	10	-15	0	-0.02	0.01	11.49	-3.20	-11.66	0.02	3.03	3.39
3146	6	10	-10	0	-0.02	0.03	11.49	-2.16	-11.87	0.02	3.02	3.40
3142	6	10	-5	0	-0.01	0.02	11.49	-1.11	-12.00	0.03	3.02	3.40
3125	6	10	0	0	-0.07	0.09	11.49	-0.06	-11.55	0.05	3.05	3.37
3129	6	10	5	0	-0.01	0.01	11.49	0.95	-12.02	0.04	2.99	3.43
3134	6	10	10	0	0.00	0.01	11.49	1.97	-11.82	0.04	3.01	3.41
3138	6	10	15	0	0.03	-0.01	11.49	2.99	-11.59	0.01	3.02	3.40
3168	6	20	-15	0	-0.02	0.06	11.49	-3.30	-11.32	0.05	3.02	3.21
3164	6	20	-10	0	-0.01	0.03	11.49	-2.33	-11.54	0.05	3.03	3.20
3160	6	20	-5	0	-0.01	0.06	11.49	-1.26	-11.51	0.04	3.05	3.18
3156	6	20	0	0	-0.03	0.02	11.49	-0.32	-11.43	0.06	3.12	3.11
3172	6	20	5	0	-0.00	-0.01	11.49	0.71	-11.85	0.04	3.01	3.22
3176	6	20	10	0	-0.00	0.04	11.49	1.69	-11.24	0.05	3.12	3.11
3180	6	20	15	0	0.03	0.06	11.49	2.72	-11.21	0.06	3.08	3.15

* Indicates model was close to heave stop

TABLE 5.221.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2935		0	-10	-15	7.36	3.39	-4.97	11.49	1.20	1.13	-7.34	1.54	2.55
2936		0	-10	-15	7.36	3.29	-4.88	11.49	1.18	1.07	-7.16	1.58	2.51
2931		0	-10	-10	7.36	2.07	-2.56	11.49	0.78	0.40	-4.36	1.89	2.20
2927		0	-10	-5	7.36	1.51	-1.02	11.49	0.68	0.24	-2.37	2.02	2.07
2913		0	-10	0	7.35	1.27	-0.18	11.49	0.48	0.35	-1.05	2.03	2.06
2917		0	-10	5	7.36	1.37	0.60	11.49	0.32	1.02	-0.07	1.95	2.14
2921		0	-10	10	7.36	2.10	2.11	11.49	-0.22	2.35	0.55	1.69	2.40
2925	*	0	-10	15	7.36	3.59	4.97	11.49	-1.56	4.30	1.96	1.34	2.75
2832	*	0	0	-15	7.36	3.92	-6.42	11.49	0.84	0.37	-8.42	1.46	2.69
2826		0	0	-10	7.36	2.22	-2.82	11.49	0.59	0.38	-4.49	1.83	2.32
2822		0	0	-5	7.36	1.49	-1.10	11.49	0.41	-0.03	-2.36	2.01	2.14
2799		0	0	0	7.35	1.33	-0.20	11.49	0.23	0.22	-1.11	2.03	2.12
2803		0	0	5	7.35	1.41	0.37	11.49	0.12	0.82	-0.22	1.95	2.20
2817		0	0	10	7.35	1.87	1.52	11.49	-0.27	2.01	0.76	1.80	2.35
2860	*	0	10	-15	7.36	3.98	-5.59	11.49	1.01	0.99	-8.12	1.46	2.63
2856		0	10	-10	7.37	2.43	-3.33	11.49	0.25	0.06	-5.11	1.78	2.31
2852		0	10	-5	7.37	1.59	-1.29	11.49	-0.03	-0.24	-2.67	2.04	2.05
2836		0	10	0	7.36	1.30	-0.38	11.49	-0.29	-0.04	-1.35	2.11	1.98
2840		0	10	5	7.36	1.37	0.38	11.49	-0.34	0.51	-0.37	2.07	2.02
2844		0	10	10	7.36	1.79	1.27	11.49	-0.51	1.46	0.50	1.97	2.12
2848		0	10	15	7.37	2.91	3.22	11.49	-1.33	3.64	1.67	1.68	2.41
2849		0	10	15	7.36	2.93	3.22	11.49	-1.30	3.64	1.65	1.67	2.42
2894	*	0	20	-15	7.36	4.19	-5.68	11.49	1.12	0.99	-8.39	1.46	2.44
2890		0	20	-10	7.37	2.38	-2.61	11.49	0.09	-0.14	-4.51	1.90	2.00
2886		0	20	-5	7.36	1.63	-1.30	11.49	-0.24	-0.29	-2.77	2.15	1.75
2865		0	20	0	7.35	1.27	-0.28	11.49	-0.44	-0.03	-1.57	2.22	1.68
2869		0	20	5	7.36	1.31	0.46	11.49	-0.58	0.33	-0.76	2.14	1.76
2873		0	20	10	7.36	1.67	1.51	11.49	-0.81	1.34	0.22	2.07	1.83
2877		0	20	15	7.36	2.65	3.13	11.49	-1.31	2.91	1.36	1.91	1.99
3073		3	-10	-15	7.35	2.32	-2.81	11.49	-0.46	-2.78	-1.29	2.40	2.86
3069		3	-10	-10	7.34	1.63	-1.26	11.49	-0.24	-4.17	-1.03	2.55	2.71
3065		3	-10	-5	7.34	1.33	-0.19	11.49	0.14	-4.76	-0.87	2.57	2.69
3048		3	-10	0	7.34	1.25	0.51	11.49	0.56	-4.74	-0.93	2.58	2.68
3052		3	-10	5	7.35	1.46	1.36	11.49	0.89	-4.11	-1.09	2.50	2.76
3057		3	-10	10	7.35	2.05	2.79	11.49	0.81	-2.76	-1.52	2.30	2.96
3060		3	-10	15	7.35	3.64	6.11	11.49	0.05	-0.73	-2.51	1.93	3.33
2968		3	0	-15	7.36	2.65	-3.49	11.49	-1.12	-3.91	-1.64	2.19	3.13
2963		3	0	-10	7.36	1.73	-1.52	11.49	-0.86	-5.06	-0.97	2.42	2.90
2959		3	0	-5	7.36	1.41	-0.41	11.49	-0.40	-5.32	-0.80	2.48	2.84
2943		3	0	0	7.36	1.28	0.29	11.49	0.16	-5.14	-0.83	2.46	2.86
2947		3	0	5	7.36	1.44	1.05	11.49	0.62	-4.54	-0.95	2.40	2.92
2951		3	0	10	7.36	1.93	2.20	11.49	0.76	-3.38	-1.32	2.27	3.05
2955		3	0	15	7.36	3.17	4.67	11.49	0.36	-1.38	-2.28	2.00	3.32

* Indicates model was close to heave stop

TABLE 5.221.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2985	3	10	-15	7.36	2.72	-3.55	11.49	-1.33	-4.19	-1.60	2.19	3.07
2986	3	10	-15	7.36	2.71	-3.54	11.49	-1.31	-4.18	-1.67	2.18	3.08
2981	3	10	-10	7.36	1.77	-1.51	11.49	-1.14	-4.96	-1.06	2.41	2.85
2977	3	10	-5	7.36	1.43	-0.51	11.49	-0.79	-5.31	-0.84	2.50	2.76
2973	3	10	0	7.37	1.31	0.35	11.49	-0.24	-5.28	-0.78	2.53	2.73
2990	3	10	5	7.36	1.45	0.94	11.49	0.15	-4.91	-0.99	2.46	2.80
2994	3	10	10	7.36	1.79	2.06	11.49	0.61	-3.70	-1.40	2.39	2.87
2998	3	10	15	7.36	2.67	3.62	11.49	0.44	-1.84	-1.98	2.21	3.05
3043	3	20	-15	7.34	2.70	-3.18	11.49	-0.82	-3.89	-1.94	2.20	2.87
3038	3	20	-10	7.34	1.78	-1.68	11.49	-1.09	-4.75	-1.11	2.46	2.61
3034	3	20	-5	7.34	1.45	-0.23	11.49	-0.80	-5.06	-0.85	2.59	2.48
3004	3	20	0	7.36	1.33	0.44	11.49	-0.50	-5.02	-0.88	2.57	2.50
3008	3	20	5	7.36	1.45	1.26	11.49	-0.13	-4.84	-1.14	2.55	2.52
3025	3	20	10	7.34	1.71	2.32	11.49	0.17	-4.11	-1.57	2.50	2.57
3030	3	20	15	7.33	2.38	3.40	11.49	0.26	-2.59	-1.88	2.46	2.61
3199	6	-10	-15	7.35	2.21	-2.30	11.49	-1.52	-7.45	1.90	3.15	3.27
3195	6	-10	-10	7.35	1.77	-1.27	11.49	-0.96	-8.27	0.89	3.20	3.22
3191	6	-10	-5	7.36	1.55	-0.27	11.49	-0.28	-8.69	-0.12	3.20	3.22
3187	6	-10	0	7.36	1.52	0.81	11.49	0.46	-8.68	-1.08	3.16	3.26
3203	6	-10	5	7.35	1.84	1.88	11.49	1.15	-8.16	-2.07	3.05	3.37
3207	6	-10	10	7.35	2.42	3.45	11.49	1.45	-7.22	-3.61	2.89	3.53
3211	6	-10	15	7.35	3.75	6.49	11.49	1.17	-5.42	-6.22	2.66	3.76
3212	6	-10	15	7.36	3.93	6.74	11.49	1.22	-5.47	-6.33	2.59	3.83
3107	6	0	-15	7.34	2.27	-2.16	11.49	-2.08	-8.11	1.53	3.05	3.43
3102	6	0	-10	7.34	1.80	-1.11	11.49	-1.44	-8.82	0.69	3.15	3.33
3098	6	0	-5	7.34	1.60	-0.14	11.49	-0.64	-8.99	-0.14	3.23	3.25
3082	6	0	0	7.34	1.49	0.78	11.49	0.17	-8.89	-0.98	3.19	3.29
3085	6	0	5	7.34	1.71	1.69	11.49	0.92	-8.45	-1.87	3.12	3.36
3090	6	0	10	7.34	2.25	2.97	11.49	1.50	-7.59	-3.11	3.00	3.48
3094	6	0	15	7.34	3.21	4.93	11.49	1.52	-6.24	-5.09	2.78	3.70
3151	6	10	-15	7.33	2.39	-2.30	11.49	-2.21	-8.09	1.62	2.96	3.46
3147	6	10	-10	7.33	1.78	-0.91	11.49	-1.69	-8.70	0.64	3.12	3.30
3143	6	10	-5	7.33	1.57	0.10	11.49	-0.92	-9.01	-0.17	3.20	3.22
3126	6	10	0	7.32	1.49	1.06	11.49	-0.16	-8.88	-0.99	3.18	3.24
3130	6	10	5	7.32	1.69	2.04	11.49	0.51	-8.40	-2.19	3.15	3.27
3135	6	10	10	7.33	2.13	2.98	11.49	1.17	-7.55	-3.10	3.10	3.32
3139	6	10	15	7.33	2.95	4.29	11.49	1.58	-6.48	-4.46	3.01	3.41
3169	6	20	-15	7.34	2.66	-3.01	11.49	-2.09	-8.00	1.97	2.90	3.33
3165	6	20	-10	7.34	1.93	-1.09	11.49	-1.78	-8.64	0.72	3.04	3.19
3161	6	20	-5	7.33	1.67	0.14	11.49	-1.12	-8.88	-0.17	3.14	3.09
3157	6	20	0	7.34	1.63	1.14	11.49	-0.50	-8.84	-1.06	3.25	2.98
3173	6	20	5	7.34	1.99	2.45	11.49	0.21	-8.65	-2.28	3.21	3.02
3177	6	20	10	7.34	2.35	3.46	11.49	0.86	-7.65	-3.31	3.24	2.99
3181	6	20	15	7.34	2.91	4.30	11.49	1.52	-7.01	-4.16	3.28	2.95

* Indicates model was close to heave stop

TABLE 5.223.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2937	*	0	-10	-15	14.75	13.94	-21.39	11.49	2.35	6.21	-23.07	1.46	2.63
2939	*	0	-10	-15	14.75	13.76	-21.55	11.49	2.07	4.54	-23.24	1.46	2.63
2932		0	-10	-10	14.74	7.31	-10.54	11.49	2.21	7.46	-14.50	1.96	2.13
2928		0	-10	-5	14.74	4.79	-4.59	11.49	1.18	5.91	-7.39	2.17	1.92
2914		0	-10	0	14.73	4.06	-0.70	11.49	0.58	3.94	-4.08	2.16	1.93
2918		0	-10	5	14.75	5.22	4.04	11.49	-0.49	6.69	-4.60	1.83	2.26
2922	*	0	-10	10	14.75	9.07	14.62	11.49	-2.90	11.47	-4.41	1.37	2.72
2833	*	0	0	-15	14.74	14.25	-25.84	11.49	2.21	2.76	-28.01	1.53	2.62
2828		0	0	-10	14.75	8.02	-11.83	11.49	1.56	1.82	-14.79	1.75	2.40
2823		0	0	-5	14.74	4.77	-4.25	11.49	0.96	3.30	-7.41	2.19	1.96
2800		0	0	0	14.75	4.05	-0.69	11.49	0.61	4.39	-4.16	2.16	1.99
2804		0	0	5	14.73	4.75	2.41	11.49	-0.22	7.62	-2.50	1.99	2.16
2818	*	0	0	10	14.73	8.66	12.42	11.49	-2.57	12.73	-4.97	1.43	2.72
2857		0	10	-10	14.74	8.45	-15.20	11.49	1.16	-1.13	-18.50	1.76	2.33
2853		0	10	-5	14.76	5.01	-5.11	11.49	0.48	0.10	-8.03	2.18	1.91
2837		0	10	0	14.75	4.00	-0.78	11.49	0.16	1.80	-4.22	2.25	1.84
2841		0	10	5	14.77	4.34	2.17	11.49	-0.08	5.74	-2.08	2.21	1.88
2845		0	10	10	14.77	6.23	6.84	11.49	-0.97	9.06	-1.19	2.14	1.95
2850	*	0	10	15	14.76	12.50	20.12	11.49	-3.72	14.82	-2.16	1.39	2.70
2896	*	0	20	-15	14.75	16.31	-25.16	11.49	7.83	22.64	-25.41	1.52	2.38
2892		0	20	-10	14.74	8.22	-11.24	11.49	3.10	11.45	-12.34	1.98	1.92
2887		0	20	-5	14.74	4.94	-5.63	11.49	0.43	0.62	-8.29	2.26	1.64
2866		0	20	0	14.73	3.88	-0.98	11.49	-0.20	0.50	-4.14	2.35	1.55
2870		0	20	5	14.75	4.01	2.36	11.49	-0.33	3.17	-2.65	2.35	1.55
2874		0	20	10	14.74	4.35	4.80	11.49	-0.42	4.28	-2.11	2.66	1.24
2878		0	20	15	14.76	5.01	6.92	11.49	-0.52	2.87	-2.72	3.00	0.90
2883		0	20	15	14.76	5.00	6.77	11.49	-0.68	3.10	-2.61	2.99	0.91
3074		3	-10	-15	14.71	3.56	-4.57	11.49	-0.76	-2.84	0.54	3.32	1.94
3070		3	-10	-10	14.72	2.83	-2.82	11.49	-0.05	-2.37	-0.14	3.23	2.03
3066		3	-10	-5	14.72	2.51	-1.12	11.49	0.51	-1.78	-0.60	3.12	2.14
3049		3	-10	0	14.73	2.64	1.59	11.49	0.77	-1.94	-2.31	2.98	2.28
3053		3	-10	5	14.72	3.68	5.11	11.49	0.67	-0.25	-4.57	2.77	2.49
3054		3	-10	5	14.73	3.66	5.14	11.49	0.68	-0.31	-4.55	2.77	2.49
3058		3	-10	10	14.71	6.91	13.94	11.49	-0.80	4.74	-9.29	2.30	2.96
3062	*	3	-10	15	14.71	15.06	31.64	11.49	-5.18	13.95	-12.04	1.42	3.84
2969		3	0	-15	14.76	7.89	-12.23	11.49	-0.05	2.71	-3.55	2.38	2.94
2964		3	0	-10	14.75	3.81	-4.02	11.49	-0.70	-1.93	-1.95	2.81	2.51
2960		3	0	-5	14.75	2.77	-0.82	11.49	-0.32	-3.61	-1.46	2.95	2.37
2944		3	0	0	14.76	2.60	1.03	11.49	0.23	-3.48	-2.06	2.92	2.40
2948		3	0	5	14.73	3.07	3.57	11.49	0.70	-2.24	-3.38	2.88	2.44
2953		3	0	10	14.78	4.81	7.87	11.49	0.53	0.81	-6.31	2.69	2.63
2956		3	0	15	14.74	10.30	18.95	11.49	-2.13	8.73	-11.46	2.15	3.17

* Indicates model was close to heave stop

TABLE 5.223.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2987	3	10	-15	14.75	4.73	-6.40	11.49	0.38	4.22	1.55	2.95	2.31
2982	3	10	-10	14.75	4.31	-4.42	11.49	-0.87	-2.35	-1.33	2.73	2.53
2978	3	10	-5	14.76	2.83	-0.39	11.49	-0.82	-4.05	-1.65	2.95	2.31
2974	3	10	0	14.75	2.49	1.40	11.49	-0.16	-4.23	-2.21	3.10	2.16
2991	3	10	5	14.76	2.45	2.97	11.49	0.63	-4.85	-2.82	3.25	2.01
2995	3	10	10	14.74	3.03	4.83	11.49	1.64	-5.49	-4.09	3.34	1.92
2999	3	10	15	14.76	4.14	7.09	11.49	2.67	-5.56	-5.92	3.36	1.90
3044	3	20	-15	14.72	6.26	-9.49	11.49	1.83	4.30	0.94	2.76	2.31
3039	3	20	-10	14.71	4.11	-4.77	11.49	-0.11	0.47	-0.07	2.80	2.27
3035	3	20	-5	14.72	2.94	-0.22	11.49	-0.86	-4.23	-0.88	3.03	2.04
3005	3	20	0	14.74	2.54	2.48	11.49	-0.49	-4.75	-2.65	3.12	1.95
3009	3	20	5	14.76	2.67	4.01	11.49	0.31	-6.15	-3.99	3.43	1.64
3026	3	20	10	14.68	2.87	4.90	11.49	1.18	-7.98	-5.39	3.70	1.37
3031	3	20	15	14.69	3.43	5.85	11.49	2.41	-10.07	-7.12	3.92	1.15
3200	6	-10	-15	14.75	2.43	-2.51	11.49	-2.77	-12.47	3.80	4.65	1.77
3196	6	-10	-10	14.73	2.17	-1.69	11.49	-1.39	-11.36	2.30	4.48	1.94
3192	6	-10	-5	14.72	1.92	-0.74	11.49	-0.11	-9.74	0.93	4.27	2.15
3188	6	-10	0	14.75	2.32	1.57	11.49	0.76	-8.64	-2.01	4.05	2.37
3204	6	-10	5	14.73	3.15	4.96	11.49	1.13	-7.24	-6.06	3.83	2.59
3208	6	-10	10	14.73	4.96	10.54	11.49	0.82	-4.55	-11.92	3.47	2.95
3213	6	-10	15	14.74	10.91	24.40	11.49	-2.12	2.58	-21.92	2.64	3.78
3108	6	0	-15	14.73	2.82	-2.33	11.49	-2.78	-9.73	2.52	4.26	2.22
3103	6	0	-10	14.49	2.04	-0.97	11.49	-1.79	-10.34	1.03	4.36	2.12
3104	6	0	-10	14.73	2.07	-0.98	11.49	-1.83	-10.64	1.08	4.39	2.09
3099	6	0	-5	14.71	1.87	0.22	11.49	-0.66	-11.06	-0.17	4.44	2.04
3081	6	0	0	14.70	1.95	1.31	11.49	0.48	-10.98	-1.42	4.32	2.16
3086	6	0	5	14.70	2.29	2.88	11.49	1.59	-10.39	-3.27	4.29	2.19
3091	6	0	10	14.71	3.26	5.30	11.49	2.42	-9.25	-6.27	4.20	2.28
3095	6	0	15	14.73	5.55	10.22	11.49	2.20	-6.15	-11.92	3.84	2.64
3152	6	10	-15	14.72	3.81	-3.94	11.49	-2.05	-6.87	3.71	3.76	2.66
3148	6	10	-10	14.71	2.48	-0.51	11.49	-1.94	-8.64	0.43	4.05	2.37
3144	6	10	-5	14.71	1.94	1.28	11.49	-1.11	-10.56	-1.43	4.31	2.11
3127	6	10	0	14.68	1.92	2.43	11.49	0.01	-12.35	-2.84	4.46	1.96
3131	6	10	5	14.69	2.09	3.35	11.49	1.28	-13.80	-4.58	4.67	1.75
3136	6	10	10	14.69	2.63	4.44	11.49	2.88	-14.70	-6.28	4.77	1.65
3140	6	10	15	14.70	3.21	5.09	11.49	4.28	-15.13	-7.79	4.92	1.50
3170	6	20	-15	14.73	5.32	-7.96	11.49	-1.23	-6.19	5.83	3.37	2.86
3166	6	20	-10	14.71	2.98	-1.37	11.49	-1.77	-7.88	1.18	3.82	2.41
3162	6	20	-5	14.70	2.30	2.05	11.49	-1.46	-9.24	-2.20	4.07	2.16
3158	6	20	0	14.70	2.35	4.23	11.49	-0.74	-10.97	-4.79	4.31	1.92
3174	6	20	5	14.71	2.50	4.15	11.49	0.66	-13.59	-5.40	4.74	1.49
3178	6	20	10	14.73	2.73	4.11	11.49	2.01	-14.72	-6.04	5.01	1.22
3182	6	20	15	14.73	3.31	4.57	11.49	3.51	-15.80	-7.25	5.13	1.10

* Indicates model was close to heave stop

TABLE 5.224.1 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2933	0	-10	-10	19.72	12.04	-17.51	11.49	3.98	16.87	-27.02	1.96	2.13
2929	0	-10	-5	19.73	7.62	-7.89	11.49	1.99	14.59	-13.24	2.15	1.94
2915	0	-10	0	19.68	6.13	-2.23	11.49	0.54	10.83	-5.33	2.18	1.91
2919	0	-10	5	19.73	9.24	8.11	11.49	-1.13	12.89	-10.23	1.68	2.41
2829	0	0	-10	19.69	13.30	-19.13	11.49	3.06	6.96	-28.71	1.75	2.40
2824	0	0	-5	19.66	7.55	-7.30	11.49	1.78	9.46	-13.41	2.18	1.97
2801	0	0	0	19.68	6.11	-1.90	11.49	0.85	10.78	-6.68	2.20	1.95
2805	0	0	5	19.67	7.59	4.61	11.49	-0.57	14.10	-5.09	1.97	2.18
2820 *	0	0	10	19.67	13.53	20.30	11.49	-3.97	21.38	-7.96	1.45	2.70
2858	0	10	-10	19.67	13.27	-23.99	11.49	2.86	1.73	-34.57	1.83	2.26
2854	0	10	-5	19.71	8.41	-8.10	11.49	1.19	2.76	-15.11	2.15	1.94
2838	0	10	0	19.68	6.11	-1.50	11.49	0.64	6.79	-7.71	2.24	1.85
2842	0	10	5	19.68	6.89	3.73	11.49	0.05	10.92	-4.17	2.29	1.80
2846	0	10	10	19.68	7.65	7.94	11.49	-0.50	11.75	-1.76	2.62	1.47
2893	0	20	-10	19.69	13.37	-17.75	11.49	5.85	23.66	-23.62	2.02	1.88
2888	0	20	-5	19.63	8.01	-9.31	11.49	1.24	3.49	-15.29	2.23	1.67
2867	0	20	0	19.63	6.29	-1.08	11.49	0.19	3.01	-7.51	2.34	1.56
2871	0	20	5	19.69	5.76	3.46	11.49	0.00	6.38	-4.99	2.53	1.37
2875	0	20	10	19.68	5.28	5.80	11.49	-0.65	3.94	-4.19	3.12	0.78
2879	0	20	15	19.66	5.88	7.83	11.49	-0.82	1.07	-4.88	3.42	0.48
2884	0	20	15	19.68	5.80	7.73	11.49	-0.90	1.27	-4.75	3.42	0.48
3075	3	-10	-15	19.62	4.64	-6.44	11.49	-1.64	-5.87	2.57	3.52	1.74
3071	3	-10	-10	19.67	3.66	-3.98	11.49	-0.19	-3.45	0.46	3.41	1.85
3067	3	-10	-5	19.69	3.22	-1.30	11.49	0.83	-0.75	-0.76	3.28	1.98
3050	3	-10	0	19.67	3.64	2.39	11.49	1.06	0.78	-3.23	3.09	2.17
3055	3	-10	5	19.67	5.64	9.97	11.49	0.54	4.10	-8.99	2.85	2.41
3059	3	-10	10	19.66	11.21	25.02	11.49	-2.50	13.59	-17.10	2.25	3.01
2970	3	0	-15	19.67	12.12	-19.12	11.49	0.80	8.94	-7.87	2.43	2.89
2965	3	0	-10	19.64	5.25	-5.13	11.49	-0.76	0.14	-3.63	2.91	2.41
2961	3	0	-5	19.65	3.47	-1.06	11.49	-0.15	-2.72	-2.00	3.08	2.24
2945	3	0	0	19.58	3.38	1.78	11.49	0.40	-3.04	-2.74	3.08	2.24
2949	3	0	5	19.62	4.03	5.75	11.49	1.05	-1.54	-5.08	3.05	2.27
2952	3	0	10	19.71	6.41	11.84	11.49	1.09	2.02	-9.43	2.91	2.41
2957	3	0	15	19.62	14.95	28.88	11.49	-3.45	15.86	-17.67	2.31	3.01

* Indicates model was close to heave stop

TABLE 5.224.2 - STABILITY DATA IN WIND AXES WITHOUT AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2988	3	10	-15	19.69	6.55	-10.08	11.49	-0.34	2.27	3.13	3.17	2.09
2983	3	10	-10	19.69	6.65	-6.48	11.49	-0.63	1.02	-3.57	2.73	2.53
2979	3	10	-5	19.60	3.79	-0.00	11.49	-0.91	-2.79	-3.11	3.06	2.20
2975	3	10	0	19.56	3.12	2.44	11.49	-0.05	-5.78	-3.26	3.33	1.93
2992	3	10	5	19.68	2.93	4.75	11.49	1.38	-9.89	-5.06	3.60	1.66
2996	3	10	10	19.67	3.66	7.19	11.49	3.16	-12.42	-7.94	3.73	1.53
3000	3	10	15	19.65	4.55	8.94	11.49	5.06	-14.93	-10.82	3.84	1.42
3045	3	20	-15	19.67	8.19	-12.92	11.49	2.44	5.54	2.97	3.00	2.07
3040	3	20	-10	19.75	5.95	-7.03	11.49	0.91	6.16	-0.75	2.86	2.21
3041	3	20	-10	19.64	5.97	-6.96	11.49	0.85	6.04	-0.62	2.86	2.21
3036	3	20	-5	19.71	4.40	1.26	11.49	-0.88	-2.60	-3.22	3.06	2.01
3006	3	20	0	19.66	3.32	4.16	11.49	-0.53	-6.15	-3.90	3.36	1.71
3010	3	20	5	19.65	2.81	4.93	11.49	0.48	-10.14	-5.43	3.83	1.24
3027	3	20	10	19.52	2.90	5.65	11.49	1.72	-12.62	-6.98	4.06	1.01
3028	3	20	10	19.66	2.78	5.51	11.49	1.72	-12.67	-6.84	4.09	0.98
3032	3	20	15	19.67	3.21	6.14	11.49	3.27	-14.72	-8.40	4.23	0.84
3201	6	-10	-15	19.64	2.54	-2.66	11.49	-3.86	-18.08	5.00	5.05	1.37
3197	6	-10	-10	19.65	2.39	-1.51	11.49	-2.03	-17.10	3.01	4.89	1.53
3193	6	-10	-5	19.63	2.00	-0.15	11.49	-0.20	-14.73	0.85	4.75	1.67
3189	6	-10	0	19.64	2.59	2.15	11.49	1.15	-11.38	-2.40	4.47	1.95
3205	6	-10	5	19.65	3.72	6.87	11.49	1.72	-9.04	-8.53	4.25	2.17
3209	6	-10	10	19.67	5.96	14.22	11.49	1.03	-5.17	-17.49	4.00	2.42
3109	6	0	-15	19.63	2.84	-2.49	11.49	-4.23	-15.57	3.92	4.83	1.65
3105	6	0	-10	19.62	2.09	-0.96	11.49	-2.72	-16.65	1.87	4.90	1.58
3100	6	0	-5	19.63	1.85	0.78	11.49	-1.00	-17.11	-0.54	4.93	1.55
3083	6	0	0	19.62	1.91	2.50	11.49	0.73	-16.93	-2.85	4.92	1.56
3087	6	0	5	19.63	2.34	4.03	11.49	2.42	-16.44	-4.99	4.86	1.62
3092	6	0	10	19.62	3.29	6.07	11.49	3.98	-15.07	-7.88	4.76	1.72
3096	6	0	15	19.62	2.65	4.62	11.49	6.13	-19.78	-7.44	5.39	1.09
3153	6	10	-15	19.63	4.55	-4.41	11.49	-2.81	-8.90	5.31	4.19	2.23
3149	6	10	-10	19.59	2.50	-0.10	11.49	-2.67	-12.12	0.36	4.56	1.86
3145	6	10	-5	19.57	2.01	1.56	11.49	-1.56	-15.90	-1.72	4.85	1.57
3128	6	10	0	19.59	1.83	2.99	11.49	-0.09	-17.83	-3.77	4.97	1.45
3132	6	10	5	19.59	2.17	4.16	11.49	1.51	-18.89	-5.96	5.05	1.37
3137	6	10	10	19.61	2.50	5.01	11.49	3.14	-18.59	-7.51	5.14	1.28
3141	6	10	15	19.59	3.35	6.00	11.49	5.13	-19.93	-9.62	5.18	1.24
3171	6	20	-15	19.59	7.46	-12.39	11.49	-0.69	-5.57	9.94	3.55	2.68
3167	6	20	-10	19.61	3.51	-1.24	11.49	-2.16	-9.37	1.76	4.20	2.03
3163	6	20	-5	19.58	2.50	3.33	11.49	-1.98	-12.09	-3.66	4.56	1.67
3159	6	20	0	19.60	2.25	4.85	11.49	-1.00	-15.08	-6.00	4.89	1.34
3175	6	20	5	19.61	2.06	3.46	11.49	0.74	-17.85	-4.87	5.28	0.95
3179	6	20	10	19.62	2.45	3.87	11.49	2.46	-19.36	-5.93	5.40	0.83
3183	6	20	15	19.65	2.95	4.17	11.49	4.29	-19.91	-6.88	5.47	0.76

* Indicates model was close to heave stop

TABLE 6.100.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2112	-2	-10	0	-0.44	1.97	-11.31	0.58	1.02	0.16
2116	-2	-10	5	-0.44	1.95	-11.31	0.59	1.01	0.18
2120	-2	-10	10	-0.43	1.95	-11.31	0.59	0.99	0.14
2122	-2	-10	15	-0.44	1.91	-11.32	0.55	1.04	0.15
2059	-2	0	0	-0.44	-0.07	-11.48	0.02	1.44	0.01
2065	-2	0	5	-0.45	-0.08	-11.48	-0.01	1.40	0.02
2069	-2	0	10	-0.44	-0.06	-11.48	0.02	1.34	-0.01
2070	-2	0	15	-0.44	-0.08	-11.48	-0.01	1.35	0.00
2074	-2	10	0	-0.44	-2.04	-11.30	-0.54	0.85	-0.10
2078	-2	10	5	-0.44	-2.02	-11.30	-0.52	0.87	-0.13
2081	-2	10	10	-0.41	-2.07	-11.29	-0.60	0.84	-0.13
2083	-2	10	15	-0.42	-2.07	-11.29	-0.60	0.85	-0.15
2090	-2	20	0	-0.40	-3.94	-10.79	-0.70	0.26	-0.04
2094	-2	20	5	-0.43	-4.01	-10.76	-0.79	0.34	-0.08
2098	-2	20	10	-0.45	-4.01	-10.76	-0.75	0.31	-0.08
2108	-2	20	12	-0.44	-3.99	-10.77	-0.74	0.31	-0.08
2101	-2	20	15	-0.43	-3.99	-10.77	-0.76	0.28	-0.07
1829	0	-10	0	0.00	1.98	-11.32	0.58	-3.35	-0.57
1833	0	-10	5	0.01	1.99	-11.32	0.58	-3.37	-0.57
1837	0	-10	10	0.00	1.99	-11.32	0.57	-3.30	-0.57
1843	0	-10	15	-0.00	1.99	-11.32	0.57	-3.37	-0.58
1760	0	0	0	0.01	0.00	-11.49	-0.03	-3.71	0.01
1764	0	0	5	0.02	-0.02	-11.49	-0.05	-3.72	0.01
1768	0	0	10	0.01	-0.02	-11.49	-0.04	-3.69	0.01
1773	0	0	15	0.00	0.01	-11.49	-0.01	-3.69	0.01
1779	0	10	0	0.01	-1.99	-11.32	-0.61	-3.72	0.71
1783	0	10	5	-0.02	-2.01	-11.31	-0.65	-3.67	0.66
1787	0	10	10	0.00	-2.01	-11.31	-0.67	-3.64	0.65
1792	0	10	15	-0.00	-2.01	-11.31	-0.67	-3.68	0.65
1809	0	21	0	0.11	-4.08	-10.74	-0.77	-3.47	1.42
1814	0	21	5	-0.00	-4.11	-10.73	-0.79	-3.41	1.33
1819	0	21	10	-0.02	-4.12	-10.73	-0.79	-3.37	1.29
1823	0	21	15	-0.02	-4.15	-10.71	-0.85	-3.29	1.24
1918	3	-11	0	0.69	2.23	-11.25	0.45	-8.73	-1.64
1922	3	-11	5	0.63	2.27	-11.25	0.48	-8.71	-1.63
1926	3	-11	10	0.63	2.28	-11.24	0.48	-8.77	-1.65
1930	3	-11	15	0.65	2.25	-11.25	0.46	-8.81	-1.65
1850	3	0	0	0.61	0.04	-11.47	-0.03	-9.53	0.05
1854	3	0	0	0.61	0.03	-11.47	-0.03	-9.49	0.04
1856	3	0	5	0.61	0.01	-11.47	-0.06	-9.46	0.04
1860	3	0	10	0.62	0.03	-11.47	-0.06	-9.43	0.03
1864	3	0	15	0.62	0.01	-11.47	-0.08	-9.40	0.04

* Indicates model was close to heave stop

TABLE 6.100.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1880	3	10	0	0.62	-1.92	-11.31	-0.45	-8.95	1.61
1884	3	10	5	0.63	-2.03	-11.29	-0.58	-8.93	1.60
1888	3	10	10	0.63	-1.93	-11.31	-0.47	-9.02	1.62
1894	3	10	15	0.62	-1.99	-11.30	-0.52	-8.86	1.56
1900	3	21	0	0.62	-4.09	-10.72	-0.76	-7.98	3.07
1904	3	21	5	0.62	-4.09	-10.72	-0.75	-8.01	3.04
1908	3	21	10	0.62	-4.10	-10.71	-0.75	-7.98	3.04
1912	3	21	15	0.61	-4.05	-10.74	-0.70	-8.02	3.07
2022	6	-10	0	1.22	2.04	-11.24	0.28	-11.84	-1.98
2026	6	-10	5	1.20	2.00	-11.25	0.24	-11.86	-2.02
2030	6	-10	10	1.20	1.97	-11.26	0.22	-11.91	-2.05
2034	6	-10	15	1.22	1.97	-11.25	0.23	-11.83	-2.03
1963	6	0	0	1.19	0.03	-11.43	-0.05	-12.18	0.08
1967	6	0	5	1.20	0.01	-11.43	-0.07	-12.28	0.06
1972	6	0	10	1.21	-0.01	-11.43	-0.07	-12.20	0.04
1976	6	0	15	1.20	-0.02	-11.43	-0.08	-12.19	0.02
1982	6	10	0	1.19	-1.98	-11.25	-0.36	-11.78	2.10
1986	6	10	5	1.20	-1.98	-11.25	-0.38	-12.00	2.12
1990	6	10	10	1.21	-2.00	-11.25	-0.40	-11.93	2.11
1993	6	10	10	1.21	-1.99	-11.25	-0.40	-11.90	2.06
1995	6	10	15	1.21	-1.99	-11.25	-0.41	-11.95	2.09
2002	6	20	0	1.23	-3.87	-10.75	-0.55	-10.97	4.00
2007	6	20	5	1.18	-3.88	-10.75	-0.57	-10.93	3.97
2011	6	20	10	1.19	-3.88	-10.75	-0.57	-10.98	4.00
2015	6	20	15	1.19	-3.88	-10.75	-0.57	-11.01	4.00

* Indicates model was close to heave stop

TABLE 6.101.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2113	-2	-10	0	-2.05	2.11	-11.23	0.32	4.28	1.05
2117	-2	-10	5	-2.24	3.27	-11.02	0.19	4.19	2.78
2121	-2	-10	10	-2.84	5.60	-10.59	-0.05	4.58	5.77
2123 *	-2	-10	15	-3.21	8.56	-10.05	-0.66	5.11	8.98
2060	-2	0	0	-2.10	-0.02	-11.42	0.18	4.91	0.04
2063	-2	0	0	-2.10	-0.03	-11.42	0.21	4.91	0.06
2066	-2	0	5	-2.24	0.96	-11.42	-0.07	5.15	1.47
2068	-2	0	10	-2.56	2.60	-11.41	-0.12	5.42	3.65
2071 *	-2	0	15	-3.13	5.37	-11.39	-0.48	5.96	7.08
2075	-2	10	0	-2.01	-2.18	-11.22	-0.19	4.14	-1.03
2079	-2	10	5	-2.03	-1.35	-11.36	-0.35	4.85	0.18
2082	-2	10	10	-2.22	-0.09	-11.58	-0.69	5.58	1.72
2084	-2	10	15	-2.72	2.25	-11.97	-0.94	6.57	4.44
2091	-2	20	0	-1.89	-4.08	-10.68	-0.31	3.18	-1.42
2095	-2	20	5	-2.01	-3.32	-10.95	-0.43	4.58	-0.47
2099	-2	20	10	-2.21	-2.09	-11.39	-0.45	5.82	0.57
2102	-2	20	15	-2.20	-0.06	-12.13	-0.40	7.39	2.03
1830	0	-10	0	-1.25	1.91	-11.33	0.51	0.75	0.02
1834	0	-10	5	-1.40	2.70	-11.19	0.37	0.41	0.74
1840	0	-10	10	-1.73	4.25	-10.92	-0.06	0.70	2.15
1844	0	-10	15	-2.17	7.20	-10.40	-1.07	1.48	4.40
1761	0	0	0	-1.25	-0.02	-11.49	0.07	0.92	-0.01
1765	0	0	5	-1.31	0.43	-11.49	0.01	0.97	0.48
1769	0	0	10	-1.51	1.25	-11.49	-0.19	1.21	1.26
1774	0	0	15	-1.95	3.26	-11.49	-0.54	1.98	2.92
1780	0	10	0	-1.30	-1.96	-11.32	-0.42	0.66	0.00
1784	0	10	5	-1.33	-1.42	-11.42	-0.48	1.22	0.39
1788	0	10	10	-1.43	-0.69	-11.55	-0.49	1.78	0.84
1789	0	10	10	-1.43	-0.72	-11.54	-0.48	1.68	0.80
1793	0	10	15	-1.67	0.51	-11.76	-0.44	2.92	1.22
1810	0	21	0	-1.10	-4.16	-10.71	-0.67	-0.28	0.09
1815	0	21	5	-1.19	-3.43	-10.99	-0.79	0.62	0.46
1820	0	21	10	-1.25	-2.28	-11.43	-0.76	1.51	0.72
1824	0	21	15	-1.44	-0.99	-11.93	-0.73	3.19	0.51
1919	3	-11	0	-0.55	2.14	-11.33	0.53	-4.67	-1.04
1923	3	-11	5	-0.67	3.00	-11.17	0.51	-4.76	-1.20
1927	3	-11	10	-0.81	4.27	-10.93	0.19	-4.36	-1.34
1931	3	-11	15	-1.05	6.87	-10.44	-0.54	-3.33	-1.24
1851	3	0	0	-0.48	0.04	-11.53	0.06	-5.04	0.05
1855	3	0	0	-0.55	0.04	-11.53	0.02	-5.08	0.05
1857	3	0	5	-0.60	0.65	-11.54	0.03	-4.90	-0.23
1861	3	0	10	-0.70	1.52	-11.54	0.01	-4.28	-0.60
1865	3	0	15	-0.84	2.80	-11.55	-0.13	-3.07	-0.98

* Indicates model was close to heave stop

TABLE 6.101.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1881	3	10	0	-0.60	-1.93	-11.37	-0.50	-4.88	1.06
1885	3	10	5	-0.56	-1.19	-11.50	-0.55	-4.61	0.75
1889	3	10	10	-0.58	-0.25	-11.67	-0.36	-4.19	0.21
1895	3	10	15	-0.69	0.70	-11.84	-0.22	-2.85	-0.64
1901	3	21	0	-0.68	-4.08	-10.80	-0.79	-4.60	2.10
1905	3	21	5	-0.72	-2.97	-11.22	-0.90	-4.35	1.58
1909	3	21	10	-0.73	-1.72	-11.71	-0.93	-4.14	0.86
1913	3	21	15	-0.69	-0.71	-12.09	-0.66	-3.19	-0.09
2023	6	-10	0	-0.43	1.79	-11.46	0.43	-8.47	-1.46
2027	6	-10	5	-0.45	2.82	-11.28	0.54	-8.40	-2.41
2031	6	-10	10	-0.51	4.17	-11.05	0.57	-7.96	-3.44
2035	6	-10	15	-0.55	6.32	-10.68	0.52	-7.11	-4.93
1964	6	0	0	-0.27	0.00	-11.58	0.05	-8.57	0.10
1969	6	0	5	-0.27	0.95	-11.58	0.31	-8.46	-0.93
1973	6	0	10	-0.35	1.98	-11.59	0.68	-8.09	-1.95
1977	6	0	15	-0.40	3.22	-11.60	0.69	-7.50	-3.14
1983	6	10	0	-0.42	-1.69	-11.48	0.09	-8.39	1.64
1987	6	10	5	-0.37	-0.64	-11.66	0.24	-8.44	0.63
1991	6	10	10	-0.30	0.42	-11.84	0.51	-7.96	-0.70
1996	6	10	15	-0.29	1.15	-11.96	0.36	-7.66	-1.54
2003	6	20	0	-0.44	-3.50	-11.07	-0.18	-8.06	3.13
2008	6	20	5	-0.51	-2.18	-11.56	0.03	-8.13	1.98
2012	6	20	10	-0.47	-0.80	-12.06	0.12	-8.05	0.41
2016	6	20	15	-0.45	-0.22	-12.26	0.15	-7.68	-0.33

* Indicates model was close to heave stop

TABLE 6.103.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2114		-2	-10	0	-7.22	3.89	-10.73	0.27	0.73	2.25
2118		-2	-10	5	-8.29	10.85	-9.47	-0.51	-1.41	11.04
2064		-2	0	0	-6.94	0.16	-11.25	0.09	0.37	0.19
2067		-2	0	5	-7.81	6.55	-11.22	-0.20	0.27	8.02
2076		-2	10	0	-6.74	-3.44	-10.83	-0.29	0.92	-1.85
2080		-2	10	5	-7.46	1.31	-11.64	-0.99	3.44	4.27
2092		-2	20	0	-6.01	-4.79	-10.27	-0.29	2.21	-0.99
2096		-2	20	5	-5.72	-0.59	-11.81	-0.24	6.72	3.47
2100		-2	20	10	-6.38	4.65	-13.69	-0.55	12.83	7.16
2103		-2	20	15	-5.33	2.49	-12.94	1.41	20.20	1.70
1831		0	-10	0	-3.73	1.91	-11.33	0.48	4.17	-0.99
1835		0	-10	5	-4.99	5.79	-10.65	-0.09	4.67	0.99
1841		0	-10	10	-6.85	15.48	-8.94	-1.87	5.67	5.85
1845		0	-10	15	-7.02	26.27	-7.03	-4.46	7.20	8.96
1762		0	0	0	-3.55	0.01	-11.49	0.10	4.76	-0.13
1766		0	0	5	-4.56	2.54	-11.49	0.08	6.17	-0.76
1770	*	0	0	10	-7.39	11.89	-11.49	-1.12	9.29	1.89
1775	*	0	0	15	-7.80	19.75	-11.49	-2.63	12.90	4.23
1781		0	10	0	-3.64	-1.90	-11.33	-0.36	4.18	0.48
1785		0	10	5	-3.85	0.25	-11.71	-0.05	7.85	0.06
1790		0	10	10	-3.96	2.00	-12.02	0.29	10.74	-0.20
1794		0	10	15	-3.73	3.41	-12.27	0.90	11.31	-0.25
1811		0	21	0	-3.58	-4.09	-10.74	-0.52	1.21	0.44
1816		0	21	5	-3.60	-1.12	-11.88	-0.62	5.73	-0.13
1821		0	21	10	-2.78	-0.47	-12.13	-0.25	7.46	-1.01
1825		0	21	15	-2.19	-0.61	-12.07	-0.67	1.84	-1.28
1920		3	-11	0	-1.72	1.48	-11.53	0.63	-2.58	-0.58
1924		3	-11	5	-2.23	4.53	-10.96	0.56	-2.21	-2.27
1928		3	-11	10	-3.30	10.77	-9.80	-0.23	0.26	-4.11
1933		3	-11	15	-5.31	28.55	-6.46	-2.90	6.47	-1.72
1852		3	0	0	-1.25	-0.01	-11.57	0.00	-2.48	0.12
1858		3	0	5	-1.56	1.25	-11.59	0.32	-2.62	-0.88
1862		3	0	10	-1.85	3.35	-11.60	0.46	-1.93	-2.53
1866		3	0	15	-2.44	7.34	-11.63	0.44	0.27	-5.43

* Indicates model was close to heave stop

TABLE 6.103.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1882	3	10	0	-1.65	-1.40	-11.52	-0.63	-2.89	0.85
1886	3	10	5	-1.32	-0.20	-11.72	-0.32	-3.28	-0.18
1890	3	10	10	-1.03	0.39	-11.81	0.08	-6.41	-0.52
1891	3	10	10	-1.02	0.35	-11.80	0.06	-6.44	-0.53
1896	3	10	15	-0.76	0.82	-11.87	0.23	-10.36	-1.07
1902	3	21	0	-2.16	-3.61	-11.06	-0.92	-2.67	2.00
1906	3	21	5	-1.57	-0.86	-12.08	-0.92	-3.45	-0.17
1910	3	21	10	-0.92	-0.75	-12.09	-0.77	-7.32	-0.17
1914	3	21	15	-0.54	-0.85	-12.03	-0.95	-10.81	0.33
2024	6	-10	0	-0.81	0.65	-11.70	0.24	-10.29	-0.15
2028	6	-10	5	-1.20	2.25	-11.46	0.62	-8.75	-2.06
2032	6	-10	10	-1.48	5.62	-10.90	0.84	-7.00	-5.54
2036	6	-10	15	-1.84	12.45	-9.73	0.77	-3.73	-11.51
1965	6	0	0	-0.44	0.04	-11.60	0.00	-11.54	0.14
1970	6	0	5	-0.31	0.43	-11.59	0.30	-11.56	-0.27
1974	6	0	10	-0.48	1.02	-11.60	0.75	-11.25	-1.02
1978	6	0	15	-0.71	2.20	-11.63	1.08	-11.25	-2.65
1984	6	10	0	-0.77	-0.48	-11.73	0.12	-10.82	0.41
1988	6	10	5	-0.49	-0.15	-11.76	0.40	-12.93	0.08
1992	6	10	10	-0.31	0.13	-11.79	0.49	-14.66	-0.20
1997	6	10	15	-0.16	0.27	-11.80	0.45	-15.48	-0.37
2004	6	20	0	-1.00	-1.79	-11.76	-0.51	-9.08	1.62
2009	6	20	5	-0.72	0.28	-12.48	-0.42	-11.91	-0.76
2013	6	20	10	-0.36	-0.90	-12.01	-0.38	-13.87	0.78
2017	6	20	15	-0.30	-1.02	-11.96	-0.40	-15.18	1.13

* Indicates model was close to heave stop

TABLE 6.104.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2115		-2	-10	0	-13.25	6.40	-10.08	1.11	-4.29	4.03
2077		-2	10	0	-13.19	-5.56	-10.23	-0.52	-4.35	-3.28
2093	*	-2	20	0	-13.60	-9.96	-8.10	-0.71	-1.98	-9.69
2097	*	-2	20	5	-13.54	0.55	-11.93	-0.61	7.82	3.91
2105		-2	20	10	-11.27	4.08	-13.30	1.73	29.32	2.90
2107		-2	20	10	-13.46	15.74	-17.46	0.22	16.02	16.86
2109		-2	20	12	-6.82	2.07	-12.74	1.15	23.21	0.14
2104		-2	20	15	-4.62	0.91	-12.39	0.62	15.58	-1.29
1832		0	-10	0	-6.88	1.34	-11.43	0.32	10.11	-2.05
1836		0	-10	5	-10.59	10.26	-9.86	-0.57	10.80	4.79
1842		0	-10	10	-11.42	24.57	-7.33	-3.47	11.77	11.05
1846		0	-10	15	-11.51	44.96	-3.74	-8.08	13.36	15.84
1763		0	0	0	-6.51	-0.07	-11.49	0.15	12.36	-0.28
1767		0	0	5	-8.75	3.31	-11.49	0.26	15.14	-0.74
1772	*	0	0	10	-12.30	17.25	-11.49	-1.70	18.65	5.03
1776	*	0	0	15	-13.34	33.24	-11.49	-4.00	23.55	7.42
1782		0	10	0	-6.76	-1.28	-11.44	-0.06	10.79	0.30
1786		0	10	5	-5.66	0.61	-11.77	0.37	14.93	-0.27
1791		0	10	10	-4.40	1.51	-11.93	0.80	11.47	-0.17
1795		0	10	15	-3.19	2.39	-12.09	0.77	4.90	-0.82
1812		0	21	0	-6.61	-3.71	-10.88	-0.37	5.60	0.09
1818		0	21	5	-5.24	-0.85	-11.98	-0.31	12.52	-1.54
1822		0	21	10	-3.64	-0.86	-11.98	-0.65	5.01	-1.69
1826		0	21	15	-1.89	-1.83	-11.61	-1.42	-2.72	0.17
1921		3	-11	0	-2.27	0.96	-11.66	0.59	-2.52	0.18
1925		3	-11	5	-3.54	4.88	-10.96	0.70	-0.03	-2.47
1929		3	-11	10	-5.37	15.59	-8.98	-0.41	4.89	-5.69
1934		3	-11	15	-8.45	47.64	-2.91	-5.02	15.98	-2.06
1853		3	0	0	-1.80	0.06	-11.60	-0.03	-4.39	0.14
1859		3	0	5	-2.00	0.87	-11.61	0.42	-4.29	-0.37
1863		3	0	10	-2.28	2.81	-11.63	0.80	-4.32	-2.40
1867		3	0	15	-2.75	6.42	-11.65	1.10	-2.32	-5.97

* Indicates model was close to heave stop

TABLE 6.104.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1883	3	10	0	-2.18	-0.79	-11.66	-0.70	-3.11	0.04
1887	3	10	5	-1.51	-0.02	-11.76	-0.31	-8.53	-0.28
1893	3	10	10	-0.94	0.32	-11.79	-0.28	-11.76	-0.53
1897	3	10	15	-0.72	0.45	-11.80	-0.36	-13.37	-0.65
1903	3	21	0	-3.23	-2.96	-11.37	-1.09	-1.50	1.71
1907	3	21	5	-1.66	-1.08	-12.00	-1.05	-6.43	0.20
1911	3	21	10	-0.89	-1.19	-11.92	-1.20	-11.30	1.00
1915	3	21	15	-0.65	-1.61	-11.74	-1.38	-13.77	2.01
2025	6	-10	0	-0.62	1.14	-11.60	0.46	-14.06	-0.84
2029	6	-10	5	-1.21	1.81	-11.54	0.65	-12.02	-1.62
2033	6	-10	10	-1.80	5.17	-11.01	1.14	-9.07	-5.77
2037	6	-10	15	-2.41	13.44	-9.62	1.23	-4.08	-14.69
1966	6	0	0	-0.24	0.19	-11.58	0.03	-16.81	-0.03
1971	6	0	5	-0.25	0.61	-11.58	0.34	-16.54	-0.62
1975	6	0	10	-0.28	1.06	-11.58	0.71	-16.51	-1.26
1979	6	0	15	-0.43	1.55	-11.60	1.20	-16.36	-1.94
1985	6	10	0	-0.68	-0.84	-11.66	-0.18	-14.72	1.13
1989	6	10	5	-0.41	-0.58	-11.67	-0.02	-15.79	0.92
1994	6	10	10	-0.27	-0.38	-11.69	-0.23	-16.58	0.74
1998	6	10	15	-0.17	-0.23	-11.71	-0.13	-16.95	0.56
2005	6	20	0	-1.25	-1.18	-12.01	-0.67	-11.65	1.02
2010	6	20	5	-0.70	-0.24	-12.29	-0.55	-14.49	0.01
2014	6	20	10	-0.33	-1.54	-11.77	-1.03	-16.26	2.30
2018	6	20	15	-0.21	-1.80	-11.66	-0.71	-16.64	2.80

* Indicates model was close to heave stop

TABLE 6.110.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
753	0	-10	-15	-0.01	2.30	-11.26	0.69	-3.32	-0.51
749	0	-10	-10	-0.03	2.12	-11.29	0.57	-3.31	-0.58
745	0	-10	-5	-0.03	2.04	-11.31	0.51	-3.32	-0.60
732	0	-10	0	-0.03	2.12	-11.29	0.60	-3.28	-0.56
736	0	-10	5	0.00	2.08	-11.30	0.54	-3.34	-0.59
740	0	-10	10	0.00	2.01	-11.31	0.45	-3.44	-0.54
664	0	0	-10	-0.05	0.08	-11.49	-0.13	-3.62	-0.01
660	0	0	-5	-0.03	0.05	-11.49	-0.10	-3.58	0.02
643	0	0	0	-0.06	0.03	-11.49	-0.11	-3.56	0.00
645	0	0	0	-0.09	0.05	-11.49	-0.08	-3.38	-0.01
647	0	0	0	-0.08	0.03	-11.49	-0.08	-3.37	0.00
648	0	0	0	-0.06	0.05	-11.49	-0.06	-3.46	0.01
653	0	0	5	-0.03	0.06	-11.49	-0.05	-3.59	0.01
656	0	0	10	-0.02	0.05	-11.49	-0.07	-3.68	0.02
668	0	10	-10	-0.04	-1.89	-11.33	-0.68	-3.42	0.59
689	0	10	-10	-0.05	-2.00	-11.32	-0.84	-3.38	0.62
685	0	10	-5	-0.03	-1.95	-11.32	-0.76	-3.40	0.58
672	0	10	5	-0.01	-1.94	-11.33	-0.75	-3.50	0.60
676	0	10	10	-0.00	-1.93	-11.33	-0.72	-3.58	0.62
681	0	10	15	0.00	-1.93	-11.33	-0.73	-3.64	0.63
728	0	20	-10	-0.05	-4.00	-10.77	-1.04	-3.21	1.26
724	0	20	-5	-0.04	-3.85	-10.82	-0.91	-3.15	1.13
706	0	20	0	-0.03	-3.84	-10.83	-0.85	-3.26	1.16
707	0	20	0	-0.03	-3.84	-10.83	-0.86	-3.25	1.16
711	0	20	5	-0.04	-3.89	-10.81	-0.90	-3.26	1.20
715	0	20	10	-0.02	-3.85	-10.83	-0.87	-3.34	1.23
720	0	20	15	-0.00	-3.84	-10.83	-0.88	-3.36	1.21
883	3	-10	-15	0.59	1.99	-11.30	0.36	-8.55	-1.55
887	3	-10	-10	0.63	2.04	-11.29	0.38	-8.73	-1.55
891	3	-10	-5	0.60	2.02	-11.29	0.37	-8.80	-1.56
895	3	-10	0	0.58	1.99	-11.30	0.32	-8.73	-1.55
899	3	-10	5	0.61	2.06	-11.29	0.39	-8.80	-1.56
903	3	-10	10	0.59	2.01	-11.30	0.33	-8.81	-1.57
907	3	-10	15	0.61	2.02	-11.29	0.33	-8.97	-1.58
802	3	0	-15	0.59	0.03	-11.47	-0.12	-9.19	-0.09
798	3	0	-10	0.59	0.05	-11.47	-0.11	-9.47	-0.08
794	3	0	-5	0.58	0.01	-11.48	-0.12	-9.28	-0.07
759	3	0	0	0.61	0.08	-11.47	-0.10	-9.26	-0.04
763	3	0	5	0.62	0.10	-11.47	-0.09	-9.35	-0.05
767	3	0	10	0.62	0.02	-11.47	-0.07	-9.46	-0.06
790	3	0	10	0.60	0.04	-11.47	-0.11	-9.40	-0.05
771	3	0	15	0.64	0.04	-11.47	-0.13	-9.63	-0.06
786	3	0	15	0.61	0.05	-11.47	-0.12	-9.34	-0.05

* Indicates model was close to heave stop

TABLE 6.110.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
836	3	10	-15	0.58	-2.00	-11.30	-0.60	-8.90	1.49
832	3	10	-10	0.60	-1.94	-11.31	-0.57	-8.87	1.47
828	3	10	-5	0.61	-1.99	-11.30	-0.61	-8.89	1.47
811	3	10	0	0.61	-1.92	-11.31	-0.56	-9.09	1.52
816	3	10	5	0.62	-1.95	-11.31	-0.59	-9.05	1.52
820	3	10	10	0.63	-1.96	-11.30	-0.56	-9.08	1.55
824	3	10	15	0.62	-1.96	-11.30	-0.57	-9.09	1.53
875	3	20	-15	0.59	-3.89	-10.80	-0.82	-7.98	2.81
870	3	20	-10	0.60	-3.88	-10.80	-0.72	-7.96	2.80
853	3	20	-5	0.61	-3.96	-10.77	-0.89	-8.06	2.78
867	3	20	-5	0.60	-3.81	-10.82	-0.78	-8.00	2.82
841	3	20	0	0.56	-4.00	-10.76	-0.83	-8.03	2.77
845	3	20	5	0.60	-4.01	-10.75	-0.92	-8.10	2.82
849	3	20	10	0.62	-3.99	-10.76	-0.90	-8.12	2.82
878	3	20	15	0.64	-3.92	-10.78	-0.86	-8.32	2.97
1053	6	-10	-15	1.22	2.01	-11.25	0.23	-12.61	-2.28
1049	6	-10	-10	1.23	2.06	-11.24	0.25	-12.70	-2.30
1044	6	-10	-5	1.21	2.09	-11.23	0.25	-12.56	-2.30
1011	6	-10	0	1.22	2.00	-11.25	0.16	-11.92	-2.14
1033	6	-10	0	1.21	2.01	-11.25	0.21	-12.12	-2.18
1040	6	-10	5	1.24	2.03	-11.24	0.21	-12.48	-2.23
1015	6	-10	10	1.24	2.01	-11.24	0.16	-12.24	-2.19
1019	6	-10	15	1.22	1.95	-11.26	0.11	-12.37	-2.22
1035	6	-10	15	1.24	2.05	-11.24	0.22	-12.27	-2.20
937	6	0	-15	1.21	-0.01	-11.43	-0.13	-12.44	-0.10
933	6	0	-10	1.21	0.00	-11.43	-0.12	-12.47	-0.11
929	6	0	-5	1.21	-0.03	-11.43	-0.15	-12.52	-0.16
912	6	0	0	1.17	-0.05	-11.43	-0.18	-12.40	-0.09
917	6	0	5	1.22	-0.04	-11.42	-0.17	-12.65	-0.08
921	6	0	10	1.22	-0.02	-11.42	-0.15	-12.44	-0.10
925	6	0	15	1.25	0.06	-11.42	-0.15	-12.58	-0.09
978	6	10	-15	1.21	-1.98	-11.25	-0.43	-12.30	2.03
974	6	10	-10	1.21	-1.94	-11.26	-0.41	-12.32	2.00
970	6	10	-5	1.23	-1.90	-11.26	-0.37	-12.14	2.02
954	6	10	0	1.23	-1.92	-11.26	-0.36	-12.36	2.06
958	6	10	5	1.20	-1.99	-11.25	-0.47	-12.38	2.05
962	6	10	10	1.22	-2.00	-11.25	-0.46	-12.21	2.03
966	6	10	15	1.25	-1.96	-11.25	-0.48	-12.38	2.07
1002	6	20	-15	1.21	-3.89	-10.74	-0.64	-11.31	3.98
998	6	20	-10	1.22	-3.87	-10.75	-0.64	-11.26	3.93
994	6	20	-5	1.22	-3.89	-10.74	-0.66	-11.07	3.88
982	6	20	0	1.22	-3.91	-10.74	-0.64	-11.10	3.91
986	6	20	5	1.22	-3.88	-10.75	-0.64	-11.11	3.91
990	6	20	10	1.23	-3.88	-10.75	-0.68	-11.19	3.94
1006	6	20	15	1.23	-3.94	-10.72	-0.71	-11.41	4.01

* Indicates model was close to heave stop

TABLE 6.111.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
754	0	-10	-15	-1.91	-0.06	-11.68	1.03	3.22	-1.81
750	0	-10	-10	-1.61	0.75	-11.53	0.66	2.16	-1.42
746	0	-10	-5	-1.46	1.48	-11.41	0.55	1.64	-0.84
733	0	-10	0	-1.40	2.08	-11.30	0.46	1.30	-0.26
737	0	-10	5	-1.47	2.79	-11.18	0.23	1.10	0.35
741	0	-10	10	-1.85	4.28	-10.91	-0.75	1.73	1.72
665	0	0	-10	-1.82	-1.26	-11.49	0.37	1.48	-1.83
661	0	0	-5	-1.52	-0.50	-11.49	0.20	1.22	-0.81
649	0	0	0	-1.37	0.14	-11.49	0.02	1.31	-0.21
652	0	0	5	-1.37	0.54	-11.49	-0.07	1.35	0.25
657	0	0	10	-1.56	1.16	-11.49	-0.39	1.66	0.89
690	0	10	-10	-1.93	-4.23	-10.92	0.35	0.06	-2.79
686	0	10	-5	-1.55	-2.63	-11.20	-0.40	0.21	-1.18
669	0	10	0	-1.45	-1.88	-11.34	-0.52	0.68	-0.42
673	0	10	5	-1.41	-1.34	-11.43	-0.66	1.39	-0.04
677	0	10	10	-1.49	-0.69	-11.55	-0.69	1.98	0.53
682	0	10	15	-1.71	0.35	-11.73	-0.79	2.86	1.04
729	0	20	-10	-1.85	-7.26	-9.58	0.18	-1.26	-3.12
725	0	20	-5	-1.45	-4.80	-10.48	-0.48	-0.79	-1.47
708	0	20	0	-1.29	-3.91	-10.80	-0.79	-0.15	-0.66
712	0	20	5	-1.32	-3.18	-11.07	-0.94	0.63	-0.13
716	0	20	10	-1.31	-2.11	-11.46	-1.00	1.50	0.22
721	0	20	15	-1.38	-0.92	-11.89	-0.97	2.00	0.42
884	3	-10	-15	-0.73	-0.54	-11.82	0.11	-2.07	0.11
888	3	-10	-10	-0.59	0.53	-11.62	0.29	-3.53	-0.54
892	3	-10	-5	-0.62	1.45	-11.46	0.37	-4.12	-1.05
896	3	-10	0	-0.64	2.21	-11.33	0.38	-4.31	-1.29
900	3	-10	5	-0.70	3.11	-11.17	0.36	-4.23	-1.52
904	3	-10	10	-0.87	4.57	-10.92	-0.05	-3.50	-1.89
908	3	-10	15	-1.19	7.45	-10.43	-0.97	-1.94	-2.16
803	3	0	-15	-0.86	-2.27	-11.55	-0.16	-2.83	0.29
799	3	0	-10	-0.76	-1.22	-11.55	-0.16	-4.08	0.15
795	3	0	-5	-0.65	-0.38	-11.54	-0.16	-4.55	-0.08
760	3	0	0	-0.53	0.26	-11.53	-0.08	-4.69	-0.30
764	3	0	5	-0.63	1.03	-11.54	-0.01	-4.52	-0.64
768	3	0	10	-0.76	1.95	-11.55	-0.01	-3.65	-1.13
809	3	0	10	-0.75	2.03	-11.55	-0.07	-3.67	-1.07
772	3	0	15	-0.95	3.71	-11.56	-0.37	-2.16	-1.77
789	3	0	15	-0.92	3.65	-11.55	-0.33	-2.23	-1.69

* Indicates model was close to heave stop

TABLE 6.111.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
837	3	10	-15	-1.03	-5.61	-10.75	0.26	-4.00	0.70
833	3	10	-10	-0.78	-3.34	-11.14	-0.37	-4.79	0.89
840	3	10	-10	-1.01	-3.84	-11.06	-0.67	-4.81	0.87
830	3	10	-5	-0.68	-2.33	-11.31	-0.57	-5.03	0.84
812	3	10	0	-0.64	-1.58	-11.44	-0.58	-4.84	0.65
813	3	10	0	-0.61	-1.58	-11.44	-0.55	-4.90	0.67
817	3	10	5	-0.57	-0.91	-11.55	-0.57	-4.71	0.39
821	3	10	10	-0.59	0.04	-11.72	-0.47	-4.09	-0.26
825	3	10	15	-0.69	1.18	-11.93	-0.31	-2.90	-1.10
876	3	20	-15	-1.14	-9.11	-8.99	0.69	-4.01	0.98
871	3	20	-10	-0.87	-6.02	-10.10	-0.33	-4.68	1.35
854	3	20	-5	-0.78	-4.57	-10.62	-0.76	-4.89	1.45
842	3	20	0	-0.77	-3.60	-10.98	-0.88	-4.73	1.41
846	3	20	5	-0.76	-2.58	-11.35	-1.07	-4.59	1.03
850	3	20	10	-0.78	-1.30	-11.82	-1.04	-4.21	0.30
879	3	20	15	-0.74	-0.25	-12.19	-0.77	-3.57	-0.43
1054	6	-10	-15	-0.30	-1.23	-11.98	-0.01	-7.20	1.34
1050	6	-10	-10	-0.33	-0.14	-11.79	0.18	-8.16	0.07
1045	6	-10	-5	-0.41	1.14	-11.57	0.30	-8.46	-1.25
1012	6	-10	0	-0.41	2.14	-11.40	0.24	-8.08	-2.06
1034	6	-10	0	-0.35	2.16	-11.39	0.22	-8.19	-2.11
1039	6	-10	5	-0.48	3.22	-11.21	0.12	-8.09	-3.07
1016	6	-10	10	-0.57	4.97	-10.92	0.01	-7.35	-4.28
1020	6	-10	15	-0.73	7.89	-10.42	-0.46	-6.01	-6.24
1038	6	-10	15	-0.64	7.87	-10.41	-0.32	-6.38	-6.22
938	6	0	-15	-0.40	-2.88	-11.60	-0.32	-7.45	2.48
934	6	0	-10	-0.34	-1.79	-11.59	-0.28	-7.95	1.55
930	6	0	-5	-0.35	-0.77	-11.59	-0.31	-8.38	0.36
913	6	0	0	-0.34	0.31	-11.59	-0.11	-8.58	-0.58
918	6	0	5	-0.35	1.33	-11.59	-0.10	-8.26	-1.54
922	6	0	10	-0.40	2.36	-11.59	-0.07	-7.66	-2.56
926	6	0	15	-0.49	4.11	-11.60	-0.17	-6.93	-4.09
979	6	10	-15	-0.48	-5.43	-10.83	-0.24	-7.68	4.05
975	6	10	-10	-0.44	-3.60	-11.14	-0.49	-8.42	2.80
971	6	10	-5	-0.33	-2.26	-11.37	-0.42	-8.69	1.96
955	6	10	0	-0.36	-1.22	-11.55	-0.39	-8.89	1.07
959	6	10	5	-0.37	-0.21	-11.73	-0.45	-8.72	-0.01
963	6	10	10	-0.31	0.70	-11.89	-0.35	-8.04	-1.20
967	6	10	15	-0.28	1.60	-12.04	-0.25	-7.82	-2.10
1003	6	20	-15	-0.60	-8.51	-9.27	0.01	-6.83	5.48
999	6	20	-10	-0.49	-5.97	-10.18	-0.50	-7.67	4.26
995	6	20	-5	-0.40	-4.38	-10.75	-0.75	-8.11	3.31
983	6	20	0	-0.37	-3.09	-11.21	-0.80	-8.37	2.45
987	6	20	5	-0.39	-1.64	-11.74	-0.83	-8.54	1.21
991	6	20	10	-0.39	-0.47	-12.17	-0.78	-8.39	-0.08
1007	6	20	15	-0.44	-0.01	-12.34	-0.65	-8.09	-0.68

* Indicates model was close to heave stop

TABLE 6.113.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
755	0	-10	-15	-4.47	-2.84	-12.17	-0.23	15.05	-1.47
758	0	-10	-15	-4.41	-2.93	-12.18	-0.40	14.94	-1.62
751	0	-10	-10	-4.79	-2.13	-12.04	0.05	13.53	-1.49
747	0	-10	-5	-4.29	-0.24	-11.71	0.31	9.04	-1.39
734	0	-10	0	-4.11	2.24	-11.27	0.37	6.06	-1.92
738	0	-10	5	-5.45	6.44	-10.53	-0.50	7.88	-1.33
742	0	-10	10	-7.24	18.18	-8.46	-3.11	10.73	0.62
666 *	0	0	-10	-7.50	-10.34	-11.49	1.55	7.47	-5.94
662	0	0	-5	-4.80	-2.22	-11.49	0.09	6.21	-0.80
650	0	0	0	-3.82	0.36	-11.49	0.04	5.41	-0.87
654	0	0	5	-4.89	3.19	-11.49	-0.29	8.07	-1.47
658 *	0	0	10	-7.10	11.85	-11.49	-1.65	11.45	-2.59
691 *	0	10	-10	-7.56	-15.52	-8.93	3.00	1.89	-10.38
687	0	10	-5	-4.93	-5.16	-10.76	0.12	2.39	-2.44
670	0	10	0	-3.82	-1.97	-11.32	-0.45	3.17	-0.09
674	0	10	5	-3.96	0.15	-11.69	-0.38	7.23	-0.55
678	0	10	10	-4.41	2.99	-12.19	-0.13	10.47	-1.44
683	0	10	15	-3.88	3.87	-12.35	0.65	10.48	-1.22
730 *	0	20	-10	-7.47	-21.03	-4.57	3.09	-4.78	-14.73
726	0	20	-5	-4.71	-8.31	-9.20	0.33	-2.33	-4.90
709	0	20	0	-3.61	-4.13	-10.72	-0.71	0.25	-0.86
713	0	20	5	-3.75	-0.96	-11.88	-0.96	4.14	-0.70
717	0	20	10	-2.98	-0.23	-12.14	-0.40	5.16	-1.28
718	0	20	10	-2.94	-0.34	-12.11	-0.47	4.97	-1.29
722	0	20	15	-2.21	-0.12	-12.18	-0.77	0.79	-1.37
885	3	-10	-15	-0.87	-0.87	-11.88	-0.45	-7.08	0.85
889	3	-10	-10	-1.09	-0.23	-11.78	-0.17	-3.36	0.44
893	3	-10	-5	-1.42	0.42	-11.69	0.29	-0.48	0.14
897	3	-10	0	-1.84	2.23	-11.39	0.48	-0.96	-1.59
901	3	-10	5	-2.23	5.67	-10.80	0.32	-0.07	-3.55
905	3	-10	10	-3.41	13.68	-9.45	-0.68	3.81	-7.24
909 *	3	-10	15	-5.83	31.34	-6.47	-4.44	12.63	-7.75
804	3	0	-15	-2.12	-5.11	-11.62	-0.85	-0.09	3.16
800	3	0	-10	-1.86	-2.42	-11.60	-0.73	-1.05	1.37
796	3	0	-5	-1.57	-0.70	-11.59	-0.41	-1.41	0.37
761	3	0	0	-1.43	0.43	-11.58	0.07	-2.01	-0.47
806	3	0	0	-1.42	0.39	-11.58	-0.04	-1.36	-0.46
765	3	0	5	-1.70	2.27	-11.59	0.36	-1.76	-1.93
807	3	0	5	-1.73	2.10	-11.60	0.18	-1.22	-1.83
769	3	0	10	-2.05	5.17	-11.61	0.40	-0.50	-4.26
808	3	0	10	-2.05	5.02	-11.61	0.23	-0.09	-4.15
773	3	0	15	-2.88	11.44	-11.66	0.02	3.43	-8.77
788	3	0	15	-2.59	10.47	-11.64	0.01	2.78	-8.33

* Indicates model was close to heave stop

TABLE 6.113.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
838	3	10	-15	-4.45	-20.18	-8.36	1.78	2.27	1.55
834	3	10	-10	-2.64	-6.60	-10.66	-0.30	-1.61	2.12
831	3	10	-5	-1.93	-2.89	-11.28	-0.73	-3.03	1.37
814	3	10	0	-1.55	-0.59	-11.66	-0.59	-2.97	-0.14
818	3	10	5	-1.27	0.11	-11.77	-0.18	-4.02	-0.44
822	3	10	10	-0.94	0.69	-11.86	0.18	-7.67	-0.88
826	3	10	15	-0.59	0.99	-11.89	0.26	-11.38	-1.35
877 *	3	20	-15	-5.67	-33.22	-0.47	4.93	-3.43	-7.79
872	3	20	-10	-3.30	-12.52	-7.87	0.70	-2.62	1.28
855	3	20	-5	-2.46	-5.75	-10.29	-0.67	-3.50	2.02
868	3	20	-5	-2.36	-5.51	-10.37	-0.75	-3.58	2.06
843	3	20	0	-1.97	-2.42	-11.47	-1.05	-4.01	0.84
847	3	20	5	-1.23	-0.47	-12.14	-0.84	-5.42	-0.37
851	3	20	10	-0.84	-0.30	-12.18	-0.85	-9.39	-0.36
880	3	20	15	-0.47	-0.77	-11.99	-1.14	-12.14	0.28
1055	6	-10	-15	-0.25	-0.73	-11.89	-0.41	-15.44	0.65
1051	6	-10	-10	-0.45	-0.46	-11.86	-0.24	-13.49	0.41
1047	6	-10	-5	-0.74	-0.10	-11.83	-0.16	-10.73	0.03
1013	6	-10	0	-0.87	0.95	-11.66	0.38	-8.57	-0.90
1057	6	-10	0	-0.94	0.84	-11.68	0.30	-8.72	-0.89
1041	6	-10	5	-1.26	3.67	-11.22	0.26	-7.52	-4.17
1017	6	-10	10	-1.74	8.89	-10.35	0.22	-4.83	-9.12
1021	6	-10	15	-2.50	20.39	-8.40	-0.76	0.90	-17.48
1037	6	-10	15	-2.14	19.46	-8.53	-0.69	0.42	-16.83
939	6	0	-15	-0.70	-1.86	-11.63	-0.97	-10.76	1.95
935	6	0	-10	-0.44	-0.76	-11.60	-0.64	-10.67	0.63
931	6	0	-5	-0.43	-0.37	-11.60	-0.35	-10.84	0.19
914	6	0	0	-0.37	0.06	-11.59	-0.03	-11.13	-0.25
919	6	0	5	-0.46	0.54	-11.60	0.34	-10.93	-0.56
923	6	0	10	-0.66	1.68	-11.62	0.55	-11.03	-2.13
927	6	0	15	-0.89	3.49	-11.65	0.73	-10.52	-4.53
980	6	10	-15	-1.52	-8.45	-10.40	-0.76	-5.72	7.74
976	6	10	-10	-1.29	-3.66	-11.22	-0.88	-8.03	3.41
972	6	10	-5	-0.94	-1.02	-11.65	-0.79	-9.41	0.62
956	6	10	0	-0.58	-0.46	-11.71	-0.48	-11.69	0.10
960	6	10	5	-0.40	-0.07	-11.76	-0.31	-13.97	-0.32
964	6	10	10	-0.23	0.22	-11.79	-0.16	-15.65	-0.57
968	6	10	15	-0.14	0.35	-11.81	-0.19	-16.47	-0.75
1004	6	20	-15	-2.12	-17.92	-6.01	1.01	-1.83	11.57
1000	6	20	-10	-1.72	-8.63	-9.34	-0.63	-5.51	6.70
996	6	20	-5	-1.33	-3.55	-11.15	-0.92	-8.01	2.85
984	6	20	0	-0.85	-0.56	-12.19	-1.03	-10.54	0.09
988	6	20	5	-0.34	-0.62	-12.11	-0.85	-13.35	0.31
992	6	20	10	-0.18	-0.84	-12.01	-0.98	-15.02	0.70
1008	6	20	15	-0.08	-1.10	-11.90	-1.18	-16.17	1.17

* Indicates model was close to heave stop

TABLE 6.114.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
756	0	-10	-15	-3.84	-2.36	-12.08	-0.55	10.25	-0.14
757	0	-10	-15	-3.82	-2.37	-12.09	-0.63	10.15	-0.15
752	0	-10	-10	-5.32	-1.66	-11.96	-0.26	18.20	-1.03
748	0	-10	-5	-7.02	-1.24	-11.89	-0.19	20.22	-1.90
735	0	-10	0	-7.37	1.41	-11.42	0.18	13.07	-3.11
739	0	-10	5	-11.25	12.28	-9.50	-1.15	15.14	-2.59
743	0	-10	10	-11.95	28.55	-6.63	-5.15	19.51	2.13
667 *	0	0	-10	-12.56	-16.80	-11.49	1.21	15.87	-11.98
663	0	0	-5	-9.51	-3.19	-11.49	0.05	15.53	-2.31
651	0	0	0	-6.92	0.21	-11.49	0.14	13.06	-1.47
655	0	0	5	-7.48	4.23	-11.49	-0.29	16.04	-2.29
659 *	0	0	10	-11.88	17.54	-11.49	-2.60	21.78	-2.76
692 *	0	10	-10	-13.02	-25.21	-7.22	4.96	3.99	-20.54
688 *	0	10	-5	-11.55	-10.57	-9.80	0.93	6.96	-10.10
671	0	10	0	-7.01	-1.81	-11.35	-0.78	8.35	0.02
675	0	10	5	-6.33	0.78	-11.80	-0.06	14.29	-1.28
679	0	10	10	-4.63	1.55	-11.94	0.79	10.45	-0.78
680	0	10	10	-4.54	1.47	-11.93	0.80	10.24	-0.76
684	0	10	15	-3.54	2.76	-12.15	1.00	4.80	-1.30
731 *	0	20	-10	-12.68	-33.45	-0.05	5.96	-5.01	-28.23
727 *	0	20	-5	-11.46	-15.57	-6.56	1.39	-1.81	-17.05
710	0	20	0	-6.61	-4.35	-10.64	-0.63	2.92	-2.59
714	0	20	5	-5.38	-0.73	-11.96	-0.65	8.11	-1.94
719	0	20	10	-3.51	-0.72	-11.96	-0.95	2.50	-1.68
723	0	20	15	-1.85	-1.82	-11.56	-1.62	-4.01	0.32
886	3	-10	-15	-0.84	-0.67	-11.85	-0.27	-11.27	0.75
890	3	-10	-10	-1.13	-0.22	-11.78	-0.36	-8.69	0.50
894	3	-10	-5	-1.94	0.24	-11.74	0.14	-2.99	0.22
898	3	-10	0	-2.42	1.94	-11.47	0.63	0.51	-1.19
902	3	-10	5	-3.61	7.43	-10.57	0.44	3.34	-5.23
906	3	-10	10	-6.05	22.35	-8.06	-1.28	11.85	-11.49
910 *	3	-10	15	-10.10	53.55	-2.78	-6.29	26.73	-11.14
805	3	0	-15	-2.65	-4.76	-11.64	-1.54	-2.76	3.74
801	3	0	-10	-2.37	-2.02	-11.63	-1.11	-3.05	1.15
797	3	0	-5	-1.94	-0.59	-11.61	-0.50	-2.69	0.22
762	3	0	0	-1.95	0.38	-11.61	0.18	-2.73	-0.20
793	3	0	0	-1.92	0.16	-11.61	-0.03	-2.05	-0.08
766	3	0	5	-2.34	2.07	-11.63	0.65	-3.34	-1.79
792	3	0	5	-2.21	1.78	-11.62	0.40	-2.93	-1.58
770	3	0	10	-2.69	5.06	-11.65	0.98	-2.36	-4.71
791	3	0	10	-2.59	4.65	-11.64	0.66	-1.96	-4.50
774	3	0	15	-3.74	12.65	-11.70	0.76	2.82	-11.40
787	3	0	15	-3.27	11.25	-11.68	0.63	1.64	-10.77

* Indicates model was close to heave stop

TABLE 6.114.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
839	3	10	-15	-9.76	-43.36	-4.56	1.71	10.89	-6.10
835	3	10	-10	-4.30	-8.41	-10.43	-0.58	1.09	2.76
829	3	10	-5	-3.08	-2.36	-11.43	-1.09	-1.67	0.62
815	3	10	0	-1.98	-0.36	-11.73	-0.53	-5.21	-0.28
819	3	10	5	-1.27	0.15	-11.78	-0.22	-9.89	-0.64
823	3	10	10	-0.92	0.38	-11.80	-0.33	-12.51	-0.81
827	3	10	15	-0.65	0.53	-11.81	-0.43	-13.89	-0.99
873	3	20	-10	-5.94	-20.46	-5.13	1.64	0.17	-0.04
874	3	20	-10	-5.89	-20.08	-5.26	1.80	0.08	-0.02
869	3	20	-5	-4.01	-6.01	-10.28	-0.94	-1.49	1.18
844	3	20	0	-2.92	-1.54	-11.85	-1.60	-4.62	-0.29
848	3	20	5	-1.41	-0.86	-12.01	-1.15	-8.83	0.06
852	3	20	10	-0.85	-1.24	-11.84	-1.39	-12.98	1.12
881	3	20	15	-0.41	-1.69	-11.65	-1.67	-15.07	2.09
1056	6	-10	-15	-0.22	-0.36	-11.82	-0.03	-18.03	-0.38
1052	6	-10	-10	-0.38	-0.07	-11.78	0.04	-16.83	-0.40
1048	6	-10	-5	-0.63	0.32	-11.74	0.08	-15.48	-0.56
1014	6	-10	0	-0.96	0.91	-11.67	0.42	-12.60	-1.08
1043	6	-10	0	-0.92	0.64	-11.72	0.27	-13.24	-0.74
1042	6	-10	5	-1.47	3.22	-11.32	0.48	-10.26	-3.93
1018	6	-10	10	-2.34	9.60	-10.29	0.47	-5.58	-11.09
1022	6	-10	15	-3.56	26.85	-7.38	-0.96	3.83	-26.41
1036	6	-10	15	-2.90	25.05	-7.62	-0.91	3.14	-25.37
940	6	0	-15	-0.38	-1.38	-11.59	-1.09	-16.16	1.46
936	6	0	-10	-0.30	-0.88	-11.58	-0.73	-16.40	0.75
932	6	0	-5	-0.32	-0.29	-11.59	-0.38	-16.50	0.06
915	6	0	0	-0.35	0.33	-11.59	0.07	-16.45	-0.57
916	6	0	0	-0.31	0.28	-11.59	0.00	-16.61	-0.60
920	6	0	5	-0.29	0.75	-11.58	0.37	-16.40	-1.17
924	6	0	10	-0.39	1.21	-11.59	0.71	-16.25	-1.80
928	6	0	15	-0.50	1.87	-11.61	1.00	-15.63	-2.75
981	6	10	-15	-1.96	-7.89	-10.55	-1.37	-7.33	8.55
977	6	10	-10	-1.45	-3.03	-11.35	-1.34	-10.98	3.05
973	6	10	-5	-0.79	-1.15	-11.61	-1.04	-13.65	0.88
957	6	10	0	-0.52	-0.92	-11.63	-1.00	-15.91	0.66
961	6	10	5	-0.33	-0.73	-11.64	-0.97	-16.73	0.51
965	6	10	10	-0.18	-0.47	-11.67	-0.95	-17.48	0.33
969	6	10	15	-0.04	-0.27	-11.69	-0.98	-18.07	0.14
1005	6	20	-15	-3.55	-26.84	-2.92	1.74	2.86	18.55
1001	6	20	-10	-2.49	-9.74	-9.03	-0.80	-4.99	8.93
997	6	20	-5	-1.68	-2.76	-11.48	-1.26	-9.87	2.29
985	6	20	0	-1.07	0.07	-12.44	-1.45	-13.62	-0.70
989	6	20	5	-0.31	-1.36	-11.83	-1.39	-16.07	1.71
993	6	20	10	-0.08	-1.63	-11.71	-1.50	-17.18	2.38
1010	6	20	10	-0.08	-1.91	-11.61	-1.64	-17.07	2.46
1009	6	20	15	-0.01	-1.96	-11.58	-1.71	-17.99	2.97

* Indicates model was close to heave stop

TABLE 6.120.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2471	0	-10	-15	-0.04	1.91	-11.33	0.67	-3.15	-0.56
2462	0	-10	-10	-0.01	1.94	-11.33	0.66	-3.13	-0.53
2458	0	-10	-5	-0.04	1.95	-11.32	0.67	-3.08	-0.56
2427	0	-10	0	0.12	1.92	-11.33	0.59	-2.74	-0.51
2431	0	-10	5	0.02	1.96	-11.32	0.63	-3.07	-0.48
2435	0	-10	10	0.01	1.96	-11.32	0.65	-3.09	-0.51
2454	0	-10	15	-0.03	1.92	-11.33	0.63	-3.01	-0.55
2348	0	0	-15	-0.02	-0.08	-11.49	0.03	-3.45	0.01
2344	0	0	-10	-0.03	-0.09	-11.49	0.03	-3.37	0.02
2340	0	0	-5	-0.04	-0.09	-11.49	0.04	-3.33	0.05
2315	0	0	0	-0.03	-0.04	-11.49	0.05	-3.25	0.01
2329	0	0	5	-0.04	-0.04	-11.49	0.04	-3.26	0.02
2336	0	0	10	-0.04	-0.05	-11.49	0.04	-3.26	0.02
2395	0	10	-10	-0.07	-2.16	-11.29	-0.64	-3.48	0.66
2390	0	10	-5	-0.05	-2.10	-11.30	-0.63	-3.34	0.63
2373	0	10	0	0.05	-2.06	-11.30	-0.53	-2.93	0.57
2378	0	10	5	-0.08	-2.08	-11.30	-0.58	-3.21	0.61
2382	0	10	10	-0.08	-2.04	-11.31	-0.54	-3.28	0.60
2386	0	10	15	-0.09	-2.05	-11.31	-0.61	-3.26	0.62
2422	0	20	-15	-0.05	-4.00	-10.77	-0.72	-3.30	1.20
2419	0	20	-10	-0.06	-4.02	-10.76	-0.72	-3.21	1.19
2415	0	20	-5	-0.05	-4.02	-10.76	-0.73	-3.16	1.17
2399	0	20	0	-0.03	-3.98	-10.78	-0.69	-3.01	1.16
2403	0	20	0	-0.07	-4.01	-10.77	-0.73	-3.10	1.17
2407	0	20	10	-0.07	-3.99	-10.78	-0.70	-3.08	1.14
2411	0	20	15	-0.07	-4.00	-10.77	-0.72	-3.12	1.18
2599	3	-10	-15	0.62	1.98	-11.30	0.53	-8.89	-1.52
2595	3	-10	-10	0.60	1.97	-11.30	0.52	-8.82	-1.52
2590	3	-10	-5	0.50	1.96	-11.31	0.42	-8.62	-1.52
2585	3	-10	0	0.59	1.98	-11.30	0.53	-8.78	-1.48
2603	3	-10	5	0.58	2.01	-11.30	0.56	-8.77	-1.50
2607	3	-10	10	0.58	2.00	-11.30	0.54	-8.84	-1.51
2611	3	-10	15	0.58	2.00	-11.30	0.54	-8.85	-1.51
2501	3	0	-15	0.61	0.01	-11.47	0.11	-9.29	0.02
2497	3	0	-10	0.58	-0.01	-11.48	0.10	-9.25	0.03
2493	3	0	-5	0.59	0.03	-11.47	0.09	-9.29	0.02
2477	3	0	0	0.58	-0.03	-11.48	0.06	-9.23	0.03
2481	3	0	5	0.54	-0.02	-11.48	0.10	-9.25	0.05
2485	3	0	10	0.55	0.00	-11.48	0.11	-9.23	0.05
2489	3	0	15	0.55	0.00	-11.48	0.09	-9.23	0.04

* Indicates model was close to heave stop

TABLE 6.120.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2535	3	10	-15	0.58	-1.98	-11.30	-0.33	-8.84	1.52
2519	3	10	-10	0.58	-1.97	-11.30	-0.33	-8.88	1.56
2515	3	10	-5	0.55	-1.99	-11.30	-0.35	-8.81	1.56
2507	3	10	0	0.56	-1.96	-11.31	-0.34	-8.83	1.56
2511	3	10	5	0.54	-1.96	-11.31	-0.32	-8.82	1.58
2540	3	10	10	0.59	-1.93	-11.31	-0.32	-9.03	1.59
2545	3	10	15	0.55	-1.95	-11.31	-0.33	-8.93	1.59
2578	3	20	-15	0.60	-3.92	-10.78	-0.57	-8.08	2.93
2574	3	20	-10	0.57	-3.92	-10.79	-0.55	-8.01	2.91
2570	3	20	-5	0.56	-3.93	-10.78	-0.57	-8.04	2.93
2566	3	20	0	0.60	-3.89	-10.80	-0.54	-8.03	2.93
2561	3	20	5	0.55	-3.90	-10.79	-0.55	-7.99	2.91
2556	3	20	10	0.55	-3.90	-10.79	-0.57	-7.98	2.92
2552	3	20	15	0.59	-3.85	-10.81	-0.54	-8.03	2.90
3309	6	-10	-15	1.25	2.00	-11.24	0.41	-12.11	-2.06
3305	6	-10	-10	1.25	2.01	-11.24	0.39	-12.08	-2.04
3301	6	-10	-5	1.21	1.97	-11.25	0.39	-12.18	-2.10
3284	6	-10	0	1.19	2.04	-11.24	0.38	-11.77	-2.00
3288	6	-10	5	1.24	2.01	-11.24	0.40	-12.05	-2.03
3293	6	-10	10	1.22	2.02	-11.24	0.42	-12.08	-2.05
3297	6	-10	15	1.20	2.07	-11.24	0.44	-12.10	-2.04
2658	6	0	-15	1.22	0.01	-11.42	0.09	-12.37	0.11
2654	6	0	-10	1.20	0.04	-11.43	0.17	-12.42	0.04
2650	6	0	-5	1.20	0.02	-11.43	0.10	-12.31	0.09
2615	6	0	0	1.18	0.03	-11.43	0.13	-12.35	0.03
2620	6	0	5	1.20	0.03	-11.43	0.14	-12.44	0.07
2642	6	0	10	1.10	0.07	-11.44	0.10	-12.05	0.06
2646	6	0	15	1.19	0.07	-11.43	0.13	-12.32	0.06
2688	6	10	-15	1.21	-1.95	-11.26	-0.18	-11.90	2.17
2683	6	10	-10	1.20	-1.96	-11.26	-0.18	-11.97	2.15
2679	6	10	-5	1.20	-1.95	-11.26	-0.18	-11.91	2.15
2663	6	10	0	1.19	-1.83	-11.28	-0.10	-11.98	2.20
2667	6	10	5	1.18	-1.94	-11.26	-0.14	-12.04	2.13
2671	6	10	10	1.20	-1.96	-11.26	-0.20	-11.96	2.21
2675	6	10	15	1.19	-1.95	-11.26	-0.21	-11.96	2.20
2701	6	20	-15	1.19	-3.89	-10.75	-0.36	-10.86	3.92
2705	6	20	-5	1.19	-3.87	-10.75	-0.33	-10.88	3.96
2695	6	20	0	1.22	-3.89	-10.74	-0.38	-10.78	3.91
2709	6	20	0	1.17	-3.87	-10.75	-0.37	-10.88	3.96
2713	6	20	5	1.16	-3.85	-10.76	-0.34	-10.90	3.96
2717	6	20	10	1.17	-3.84	-10.76	-0.33	-10.85	3.93
2735	6	20	10	1.19	-3.89	-10.75	-0.43	-10.83	3.97
2738	6	20	15	1.18	-3.90	-10.74	-0.42	-10.86	4.00

* Indicates model was close to heave stop

TABLE 6.121.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2472	0	-10	-15	-1.87	-0.99	-11.84	0.63	3.31	-2.54
2463	0	-10	-10	-1.62	0.30	-11.61	0.59	2.48	-1.87
2459	0	-10	-5	-1.49	1.20	-11.45	0.58	2.00	-1.22
2428	0	-10	0	-0.91	1.84	-11.34	0.44	1.26	-0.53
2432	0	-10	5	-1.37	2.54	-11.22	0.31	1.81	-0.05
2436	0	-10	10	-1.71	4.13	-10.94	-0.27	2.95	0.82
2455 *	0	-10	15	-2.66	7.76	-10.30	-1.58	5.17	2.88
2349	0	0	-15	-2.20	-4.40	-11.49	1.18	0.89	-5.18
2345	0	0	-10	-1.72	-1.86	-11.49	0.51	0.82	-2.50
2341	0	0	-5	-1.54	-0.84	-11.49	0.26	1.00	-1.33
2316	0	0	0	-1.41	-0.19	-11.49	0.06	1.54	-0.57
2318	0	0	0	-1.38	-0.16	-11.49	0.11	1.49	-0.60
2330	0	0	5	-1.44	0.32	-11.49	-0.06	1.83	-0.13
2335	0	0	10	-1.65	1.06	-11.49	-0.26	2.56	0.49
2396	0	10	-10	-1.89	-5.02	-10.78	0.28	-0.90	-3.49
2391	0	10	-5	-1.54	-3.08	-11.12	-0.30	-0.14	-1.75
2374	0	10	0	-1.07	-2.16	-11.29	-0.44	0.35	-0.66
2379	0	10	5	-1.42	-1.61	-11.38	-0.52	1.53	-0.40
2383	0	10	10	-1.59	-0.80	-11.53	-0.51	2.69	0.03
2387	0	10	15	-1.79	0.30	-11.72	-0.59	3.84	0.55
2423 *	0	20	-15	-2.62	-12.86	-7.55	1.63	-4.76	-8.66
2420	0	20	-10	-1.79	-7.79	-9.39	0.29	-2.80	-4.01
2416	0	20	-5	-1.48	-5.20	-10.33	-0.41	-1.62	-1.90
2400	0	20	0	-1.17	-3.97	-10.78	-0.62	-0.69	-0.93
2404	0	20	5	-1.32	-3.27	-11.04	-0.81	0.15	-0.64
2408	0	20	10	-1.38	-2.17	-11.44	-0.83	1.05	-0.34
2412	0	20	15	-1.53	-0.97	-11.88	-0.79	2.47	-0.11
2600	3	-10	-15	-0.78	-0.52	-11.82	0.30	-1.89	-0.10
2596	3	-10	-10	-0.70	0.72	-11.59	0.48	-3.40	-1.04
2591	3	-10	-5	-0.75	1.55	-11.45	0.41	-3.69	-1.42
2586	3	-10	0	-0.60	2.26	-11.32	0.45	-4.08	-1.59
2604	3	-10	5	-0.75	3.33	-11.14	0.47	-3.62	-1.91
2608	3	-10	10	-0.93	4.81	-10.88	0.04	-2.56	-2.36
2612	3	-10	15	-1.41	8.19	-10.31	-0.91	-0.14	-3.13
2502	3	0	-15	-0.80	-1.98	-11.55	0.01	-3.92	0.02
2498	3	0	-10	-0.73	-1.07	-11.54	-0.02	-4.61	-0.11
2494	3	0	-5	-0.66	-0.28	-11.54	0.01	-4.89	-0.30
2478	3	0	0	-0.59	0.28	-11.54	0.00	-4.75	-0.54
2482	3	0	5	-0.74	1.04	-11.54	0.10	-4.24	-0.92
2486	3	0	10	-0.84	2.15	-11.55	0.02	-3.26	-1.49
2490	3	0	15	-1.07	3.98	-11.56	-0.25	-1.36	-2.31

* Indicates model was close to heave stop

TABLE 6.121.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2536	3	10	-15	-0.88	-5.11	-10.83	0.36	-5.31	0.40
2520	3	10	-10	-0.80	-3.30	-11.14	-0.14	-5.55	0.53
2516	3	10	-5	-0.76	-2.25	-11.33	-0.37	-5.44	0.59
2508	3	10	0	-0.70	-1.50	-11.46	-0.37	-5.16	0.41
2512	3	10	5	-0.71	-0.75	-11.59	-0.32	-4.69	0.07
2541	3	10	10	-0.75	0.21	-11.76	-0.25	-4.23	-0.52
2546	3	10	15	-0.90	1.39	-11.98	-0.14	-2.80	-1.50
2579	3	20	-15	-1.05	-9.08	-9.00	0.84	-5.68	0.51
2575	3	20	-10	-0.84	-5.77	-10.19	-0.06	-5.72	1.11
2571	3	20	-5	-0.81	-4.29	-10.73	-0.52	-5.52	1.26
2567	3	20	0	-0.81	-3.35	-11.07	-0.63	-5.18	1.08
2562	3	20	5	-0.82	-2.21	-11.48	-0.74	-4.91	0.65
2557	3	20	10	-0.85	-1.18	-11.86	-0.73	-4.63	0.14
2558	3	20	10	-0.85	-1.16	-11.87	-0.68	-4.66	0.12
2553	3	20	15	-0.81	-0.31	-12.18	-0.44	-4.38	-0.48
3310	6	-10	-15	-0.26	-0.78	-11.90	0.20	-7.13	0.95
3306	6	-10	-10	-0.24	0.28	-11.71	0.33	-7.81	-0.27
3302	6	-10	-5	-0.35	1.43	-11.52	0.41	-8.27	-1.65
3285	6	-10	0	-0.46	2.55	-11.33	0.40	-8.11	-2.58
3289	6	-10	5	-0.45	3.78	-11.11	0.47	-7.65	-3.51
3294	6	-10	10	-0.61	5.72	-10.79	0.26	-6.70	-5.02
3298	6	-10	15	-0.77	8.79	-10.26	-0.14	-5.19	-7.06
2659	6	0	-15	-0.35	-2.27	-11.59	-0.03	-7.84	2.08
2655	6	0	-10	-0.32	-1.19	-11.59	0.04	-8.39	1.05
2651	6	0	-5	-0.26	-0.15	-11.58	0.11	-8.60	0.06
2616	6	0	0	-0.29	0.71	-11.58	0.11	-8.74	-0.95
2621	6	0	5	-0.31	1.68	-11.59	0.21	-8.21	-1.92
2643	6	0	10	-0.36	2.87	-11.59	0.22	-7.52	-3.05
2647	6	0	15	-0.57	4.82	-11.61	0.19	-6.62	-4.87
2689	6	10	-15	-0.44	-4.56	-10.97	-0.04	-8.30	3.51
2684	6	10	-10	-0.46	-2.99	-11.25	-0.22	-8.76	2.40
2680	6	10	-5	-0.46	-1.90	-11.45	-0.20	-8.80	1.56
2664	6	10	0	-0.45	-0.78	-11.64	-0.12	-8.85	0.70
2668	6	10	5	-0.44	0.16	-11.81	-0.13	-8.70	-0.47
2672	6	10	10	-0.40	1.05	-11.96	-0.03	-8.06	-1.46
2676	6	10	15	-0.39	1.78	-12.09	0.09	-7.78	-2.32
2702	6	20	-15	-0.49	-7.27	-9.71	0.19	-7.70	4.69
2696	6	20	-10	-0.39	-5.24	-10.43	-0.25	-8.28	3.74
2697	6	20	-10	-0.46	-5.28	-10.42	-0.24	-8.29	3.73
2706	6	20	-5	-0.46	-3.89	-10.93	-0.41	-8.61	2.94
2710	6	20	0	-0.46	-2.48	-11.44	-0.49	-8.80	1.88
2714	6	20	5	-0.47	-1.09	-11.95	-0.51	-8.89	0.67
2718	6	20	10	-0.42	-0.29	-12.24	-0.30	-8.59	-0.32
2739	6	20	15	-0.38	-0.07	-12.31	-0.18	-8.56	-0.53

* Indicates model was close to heave stop

TABLE 6.123.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2473	0	-10	-15	-4.89	-4.54	-12.47	-0.74	16.99	-2.67
2464	0	-10	-10	-5.37	-3.18	-12.23	-0.13	15.24	-2.61
2470	0	-10	-10	-5.28	-3.15	-12.22	-0.21	15.04	-2.59
2460	0	-10	-5	-4.73	-0.87	-11.82	0.17	10.19	-2.55
2429	0	-10	0	-3.80	1.79	-11.35	0.33	6.93	-2.36
2433	0	-10	5	-5.79	6.79	-10.47	-0.46	10.44	-3.67
2437 *	0	-10	10	-7.94	20.33	-8.08	-2.66	14.08	-2.07
2457 *	0	-10	15	-8.41	32.39	-5.96	-5.73	19.71	-0.00
2350 *	0	0	-15	-8.96	-24.14	-11.49	3.31	5.34	-20.29
2346	0	0	-10	-6.58	-8.95	-11.49	1.08	6.46	-7.38
2342	0	0	-5	-4.92	-2.92	-11.49	0.13	5.05	-2.36
2319	0	0	0	-4.16	-0.03	-11.49	0.12	5.19	-1.76
2320	0	0	0	-3.98	-0.10	-11.49	0.07	4.94	-1.68
2331	0	0	5	-4.91	3.01	-11.49	-0.27	8.36	-2.74
2332	0	0	5	-4.92	3.01	-11.49	-0.25	8.32	-2.76
2337 *	0	0	10	-7.66	15.95	-11.49	-1.88	12.34	-6.43
2338 *	0	0	10	-7.77	15.95	-11.49	-1.84	12.55	-6.52
2397 *	0	10	-10	-8.08	-20.12	-8.12	2.76	-6.69	-19.10
2392	0	10	-5	-5.14	-5.86	-10.63	0.36	-1.20	-3.98
2375	0	10	0	-4.07	-2.06	-11.30	-0.14	1.66	-1.11
2380	0	10	5	-4.27	0.18	-11.70	-0.18	5.89	-1.19
2384	0	10	10	-4.66	3.38	-12.26	0.03	9.49	-2.75
2388	0	10	15	-3.92	3.37	-12.26	1.04	8.81	-1.64
2421 *	0	20	-10	-8.23	-25.02	-3.12	3.45	-13.31	-23.60
2417	0	20	-5	-5.07	-9.20	-8.88	0.62	-6.23	-6.35
2401	0	20	0	-4.20	-4.20	-10.70	-0.40	-1.46	-1.74
2405	0	20	5	-3.88	-0.91	-11.89	-0.65	1.01	-0.61
2409	0	20	10	-3.19	0.19	-12.30	-0.17	1.55	-1.60
2413	0	20	15	-2.55	0.23	-12.3	-0.60	-0.96	-1.55
2601	3	-10	-15	-1.02	-0.64	-11.85	-0.04	-4.94	0.50
2597	3	-10	-10	-1.37	-0.24	-11.80	0.26	-1.17	0.12
2592	3	-10	-5	-1.61	0.32	-11.71	0.59	0.52	-0.09
2587	3	-10	0	-1.95	2.91	-11.27	0.73	-0.24	-2.62
2605	3	-10	5	-2.60	7.25	-10.54	0.41	1.70	-5.75
2609	3	-10	10	-3.91	15.60	-9.14	-0.65	7.03	-10.36
2613 *	3	-10	15	-6.90	36.02	-5.70	-3.90	20.02	-12.09
2503	3	0	-15	-2.39	-4.46	-11.63	-0.58	-0.59	1.60
2499	3	0	-10	-2.10	-2.01	-11.62	-0.42	-1.56	0.49
2495	3	0	-5	-1.79	-0.55	-11.60	-0.12	-1.97	-0.16
2479	3	0	0	-1.69	0.81	-11.59	0.22	-2.07	-1.26
2483	3	0	5	-2.02	2.88	-11.61	0.45	-1.63	-3.10
2487	3	0	10	-2.43	6.49	-11.63	0.49	0.16	-6.23
2491	3	0	15	-3.16	12.98	-11.67	0.11	4.29	-11.25

* Indicates model was close to heave stop

TABLE 6.123.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2537	3	10	-15	-3.97	-17.03	-8.89	2.05	-2.70	-2.23
2521	3	10	-10	-2.88	-5.82	-10.81	-0.02	-3.98	0.65
2517	3	10	-5	-2.37	-2.27	-11.41	-0.39	-4.35	0.80
2509	3	10	0	-1.87	-0.19	-11.75	-0.23	-4.28	-0.49
2513	3	10	5	-1.51	0.44	-11.84	0.28	-5.94	-0.77
2542	3	10	10	-1.13	1.04	-11.93	0.63	-9.83	-1.12
2547	3	10	15	-0.87	1.19	-11.94	0.55	-13.06	-1.47
2580	3	20	-15	-4.37	-29.17	-1.87	5.16	-9.66	-10.01
2576	3	20	-10	-3.00	-9.83	-8.83	0.90	-5.87	-0.33
2572	3	20	-5	-2.51	-4.57	-10.72	-0.44	-5.38	1.15
2568	3	20	0	-2.08	-1.58	-11.79	-0.61	-6.42	0.52
2563	3	20	5	-1.25	-0.15	-12.26	-0.45	-8.45	-0.37
2564	3	20	5	-1.22	-0.10	-12.27	-0.46	-8.46	-0.39
2559	3	20	10	-0.90	-0.14	-12.24	-0.58	-11.62	-0.15
2554	3	20	15	-0.66	-0.59	-12.07	-0.86	-13.81	0.62
3311	6	-10	-15	-0.34	-0.40	-11.84	-0.08	-14.24	0.39
3307	6	-10	-10	-0.50	-0.07	-11.80	0.12	-12.01	0.12
3303	6	-10	-5	-0.67	0.51	-11.71	0.51	-9.54	-0.18
3286	6	-10	0	-1.12	2.36	-11.44	0.71	-8.22	-2.75
3291	6	-10	5	-1.57	5.79	-10.88	0.82	-6.66	-6.45
3295	6	-10	10	-2.00	12.32	-9.77	0.56	-3.26	-12.72
3299	6	-10	15	-2.73	25.38	-7.55	-0.47	3.69	-21.63
2660	6	0	-15	-0.59	-1.03	-11.62	-0.49	-11.10	1.07
2656	6	0	-10	-0.32	-0.39	-11.59	-0.12	-11.35	0.34
2652	6	0	-5	-0.39	0.05	-11.59	0.22	-11.69	-0.05
2617	6	0	0	-0.62	0.43	-11.62	0.54	-11.61	-0.43
2618	6	0	0	-0.48	0.46	-11.60	0.53	-11.74	-0.41
2622	6	0	5	-0.54	1.11	-11.61	0.82	-11.96	-1.31
2644	6	0	10	-0.68	2.29	-11.62	1.07	-11.97	-2.85
2648	6	0	15	-0.92	4.05	-11.65	1.26	-11.35	-5.17
2690	6	10	-15	-1.39	-5.13	-10.98	-0.35	-7.45	4.53
2685	6	10	-10	-1.14	-1.67	-11.56	-0.47	-9.31	1.33
2681	6	10	-5	-0.98	0.10	-11.85	-0.27	-11.04	-0.45
2665	6	10	0	-0.57	-0.07	-11.78	0.07	-13.27	-0.04
2669	6	10	5	-0.56	0.35	-11.85	0.32	-15.65	-0.38
2673	6	10	10	-0.46	0.43	-11.86	0.27	-16.53	-0.45
2677	6	10	15	-0.37	0.66	-11.89	0.27	-17.64	-0.63
2703	6	20	-15	-2.16	-14.17	-7.38	1.13	-5.59	7.92
2698	6	20	-10	-1.75	-5.69	-10.42	-0.35	-7.92	3.83
2707	6	20	-5	-1.42	-1.63	-11.86	-0.56	-10.01	0.98
2711	6	20	0	-0.97	0.69	-12.66	-0.57	-13.02	-1.15
2715	6	20	5	-0.63	-0.24	-12.28	-0.46	-15.52	0.48
2719	6	20	10	-0.37	-0.65	-12.10	-0.62	-16.42	1.08
2740	6	20	15	-0.30	-0.83	-12.03	-0.77	-17.33	1.54

* Indicates model was close to heave stop

TABLE 6.124.1 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2474	0	-10	-15	-5.11	-5.16	-12.58	-1.59	22.00	-2.78
2468	0	-10	-10	-8.13	-4.77	-12.51	-0.81	28.81	-5.15
2469	0	-10	-10	-8.24	-4.88	-12.53	-0.84	28.98	-5.16
2461	0	-10	-5	-7.31	-2.13	-12.04	-0.26	23.32	-3.32
2430	0	-10	0	-5.92	1.00	-11.49	0.25	14.44	-2.83
2434	0	-10	5	-10.68	13.11	-9.36	-0.86	18.85	-8.39
2352	0	0	-15	-14.46	-37.24	-11.49	5.63	11.87	-35.32
2347	0	0	-10	-10.15	-12.88	-11.49	1.55	14.71	-12.47
2343	0	0	-5	-7.95	-4.10	-11.49	0.00	13.13	-4.34
2322	0	0	0	-5.88	-0.32	-11.49	0.28	11.19	-2.43
2323	0	0	0	-5.89	-0.21	-11.49	0.38	11.60	-2.44
2324	0	0	0	-5.67	-0.19	-11.49	0.26	11.30	-2.36
2326	0	0	0	-5.86	-0.21	-11.49	0.25	11.35	-2.46
2327	0	0	0	-6.05	-0.31	-11.49	0.27	11.32	-2.44
2328	0	0	0	-5.79	-0.42	-11.49	0.22	11.34	-2.37
2333	0	0	5	-7.77	5.41	-11.49	-0.25	15.84	-6.08
2339 *	0	0	10	-11.79	25.04	-11.49	-2.26	21.17	-11.45
2394	0	10	-5	-8.61	-8.55	-10.16	0.86	0.85	-9.08
2376	0	10	0	-6.43	-1.64	-11.38	0.08	4.13	-1.98
2377	0	10	0	-6.57	-1.65	-11.38	0.01	4.55	-2.03
2381	0	10	5	-6.62	1.59	-11.95	0.23	11.62	-2.67
2385	0	10	10	-5.30	3.31	-12.25	1.15	12.48	-2.47
2389	0	10	15	-3.51	3.41	-12.27	1.60	5.18	-1.71
2418	0	20	-5	-8.75	-13.74	-7.23	1.73	-10.28	-15.03
2402	0	20	0	-6.81	-3.73	-10.87	-0.14	-1.10	-4.25
2406	0	20	5	-5.56	1.57	-12.80	-0.52	1.38	-1.04
2410	0	20	10	-3.64	1.03	-12.60	-0.73	-0.48	-1.52
2414	0	20	15	-1.98	-0.56	-12.02	-1.47	-5.21	-0.18
2602	3	-10	-15	-0.78	-1.11	-11.92	0.04	-11.35	1.04
2598	3	-10	-10	-1.30	-0.59	-11.86	0.30	-4.95	0.50
2593	3	-10	-5	-1.95	-0.04	-11.79	0.72	2.00	0.14
2588	3	-10	0	-2.52	3.26	-11.24	1.04	2.71	-3.18
2606	3	-10	5	-3.86	10.97	-9.95	0.58	6.67	-9.22
2610	3	-10	10	-5.90	24.75	-7.63	-1.16	15.95	-16.91
2504	3	0	-15	-3.41	-5.28	-11.68	-1.05	0.22	1.83
2500	3	0	-10	-2.95	-1.57	-11.66	-0.72	-0.64	-0.42
2496	3	0	-5	-2.41	-0.10	-11.63	-0.20	-0.25	-0.75
2480	3	0	0	-2.14	1.12	-11.62	0.48	-1.49	-1.41
2484	3	0	5	-2.49	3.94	-11.64	0.89	-2.20	-4.15
2488	3	0	10	-3.02	8.18	-11.66	1.10	-0.53	-8.22
2492	3	0	15	-3.67	15.62	-11.70	0.86	3.87	-15.17

* Indicates model was close to heave stop

TABLE 6.124.2 - STABILITY DATA IN BODY AXES AT PIVOT

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2538	3	10	-15	-6.33	-28.48	-7.00	3.44	1.00	-5.88
2522	3	10	-10	-4.80	-7.62	-10.60	0.19	-1.47	-2.16
2518	3	10	-5	-3.80	-0.66	-11.77	-0.50	-2.81	-1.38
2510	3	10	0	-2.04	0.68	-11.91	0.01	-6.50	-0.65
2514	3	10	5	-1.18	1.34	-11.98	0.51	-12.91	-1.13
2543	3	10	10	-0.80	1.53	-12.00	0.37	-16.23	-1.31
2544	3	10	10	-0.73	1.38	-11.97	0.31	-15.84	-1.18
2548	3	10	15	-0.64	1.48	-11.98	0.12	-17.49	-1.19
2549	3	10	15	-0.64	1.44	-11.97	0.11	-17.56	-1.24
2577	3	20	-10	-4.74	-14.13	-7.37	2.02	-5.71	-3.96
2573	3	20	-5	-3.94	-3.63	-11.14	-0.47	-5.18	-1.21
2569	3	20	0	-2.89	0.87	-12.72	-0.75	-8.40	-1.21
2565	3	20	5	-0.95	-0.10	-12.26	-0.78	-12.58	0.35
2560	3	20	10	-0.53	-0.43	-12.12	-1.14	-16.48	1.51
2555	3	20	15	-0.21	-1.13	-11.85	-1.41	-17.97	2.73
3312	6	-10	-15	-0.31	-0.59	-11.87	0.18	-20.89	-0.08
3308	6	-10	-10	-0.29	-0.04	-11.77	0.32	-18.49	-0.34
3304	6	-10	-5	-0.64	0.49	-11.71	0.70	-15.34	-0.49
3287	6	-10	0	-1.48	2.25	-11.49	1.06	-12.08	-2.90
3292	6	-10	5	-1.97	6.64	-10.77	1.18	-8.98	-7.99
3296	6	-10	10	-2.61	15.49	-9.28	0.83	-3.29	-17.53
2661	6	0	-15	-0.07	-0.77	-11.56	-0.51	-17.62	1.15
2657	6	0	-10	-0.19	-0.14	-11.57	-0.03	-18.45	0.54
2653	6	0	-5	-0.22	0.32	-11.58	0.32	-18.71	-0.07
2619	6	0	0	-0.35	0.80	-11.59	0.75	-18.97	-0.78
2623	6	0	5	-0.29	1.35	-11.58	1.17	-19.15	-1.41
2645	6	0	10	-0.36	2.25	-11.59	1.61	-19.06	-2.64
2649	6	0	15	-0.55	3.16	-11.61	1.99	-18.45	-4.02
2691	6	10	-15	-1.69	-5.50	-10.94	-0.62	-9.88	6.07
2743	6	10	-15	-1.70	-5.29	-10.98	-0.64	-9.83	5.92
2686	6	10	-10	-1.26	-0.85	-11.72	-0.62	-13.52	1.14
2687	6	10	-10	-1.33	-0.80	-11.73	-0.60	-13.54	1.14
2682	6	10	-5	-0.64	0.23	-11.84	-0.24	-17.00	0.22
2666	6	10	0	-0.10	0.18	-11.77	-0.13	-19.13	0.51
2670	6	10	5	-0.15	0.36	-11.81	-0.11	-20.12	0.41
2674	6	10	10	-0.23	0.67	-11.87	-0.12	-21.53	0.18
2678	6	10	15	0.01	0.61	-11.84	-0.19	-21.51	0.14
2704	6	20	-15	-3.39	-21.63	-4.80	2.08	-3.86	11.76
2699	6	20	-10	-2.36	-5.73	-10.47	-0.40	-9.40	4.79
2700	6	20	-10	-2.45	-5.63	-10.52	-0.44	-9.49	4.60
2708	6	20	-5	-1.59	0.23	-12.56	-0.76	-13.94	-0.22
2712	6	20	0	-0.96	1.85	-13.08	-0.99	-17.37	-1.76
2716	6	20	5	-0.30	-0.21	-12.25	-0.97	-20.07	2.01
2737	6	20	5	-0.10	-0.52	-12.12	-0.96	-19.22	1.95
2736	6	20	10	0.04	-0.74	-12.02	-1.25	-20.85	2.83
2741	6	20	15	0.12	-1.20	-11.85	-1.21	-20.80	3.39

* Indicates model was close to heave stop

TABLE 6.200.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1708	-2	-10	0	-0.46	1.95	-11.31	0.38	0.02	0.00
1712	-2	-10	5	-0.43	1.99	-11.31	0.45	-0.00	0.00
1715	-2	-10	10	-0.42	1.95	-11.31	0.42	0.03	0.01
1717	-2	-10	15	-0.42	1.96	-11.31	0.40	0.01	-0.01
1644	-2	0	0	-0.43	-0.04	-11.48	-0.02	0.23	0.02
1649	-2	0	5	-0.43	-0.02	-11.48	-0.01	0.19	0.01
1652	-2	0	10	-0.44	-0.03	-11.48	-0.01	0.16	0.01
1655	-2	0	15	-0.45	-0.04	-11.48	-0.01	0.11	0.00
1659	-2	10	0	-0.44	-2.04	-11.30	-0.45	-0.12	0.07
1663	-2	10	5	-0.43	-2.01	-11.30	-0.44	-0.14	0.06
1682	-2	10	10	-0.44	-2.08	-11.29	-0.49	-0.12	0.05
1687	-2	10	15	-0.44	-2.01	-11.30	-0.43	-0.22	0.05
1691	-2	20	0	-0.44	-3.96	-10.78	-0.59	-0.44	0.20
1695	-2	20	5	-0.45	-3.97	-10.77	-0.58	-0.38	0.18
1700	-2	20	10	-0.43	-3.96	-10.78	-0.58	-0.41	0.18
1702	-2	20	15	-0.43	-3.93	-10.79	-0.49	-0.42	0.19
1626	0	-10	0	0.00	1.99	-11.32	0.41	-4.00	-0.68
1630	0	-10	5	0.01	2.01	-11.31	0.44	-3.99	-0.70
1634	0	-10	10	0.00	2.01	-11.31	0.43	-3.98	-0.68
1638	0	-10	15	0.00	2.01	-11.31	0.44	-4.07	-0.71
1558	0	0	0	0.00	-0.02	-11.49	-0.02	-4.16	0.04
1563	0	0	5	0.00	0.00	-11.49	0.01	-4.19	0.02
1567	0	0	10	-0.01	0.00	-11.49	0.00	-4.11	0.02
1571	0	0	15	-0.01	0.00	-11.49	0.00	-4.19	0.03
1578	0	10	0	-0.02	-2.01	-11.31	-0.48	-4.20	0.77
1581	0	10	5	-0.01	-2.00	-11.32	-0.45	-4.22	0.78
1587	0	10	10	0.00	-1.99	-11.32	-0.46	-4.13	0.75
1590	0	10	15	0.01	-1.98	-11.32	-0.45	-4.14	0.76
1606	0	20	0	0.00	-3.96	-10.79	-0.59	-3.95	1.47
1610	0	20	5	-0.01	-3.93	-10.80	-0.60	-3.99	1.48
1614	0	20	10	0.00	-3.93	-10.80	-0.59	-3.99	1.47
1618	0	20	15	0.00	-3.93	-10.80	-0.59	-4.00	1.49
1396	3	-10	0	0.59	2.02	-11.30	0.36	-8.99	-1.55
1392	3	-10	5	0.60	2.03	-11.29	0.36	-8.97	-1.53
1389	3	-10	10	0.60	2.02	-11.29	0.34	-9.03	-1.54
1383	3	-10	15	0.63	2.01	-11.29	0.33	-8.95	-1.51
1401	3	0	0	0.59	0.04	-11.47	-0.00	-9.49	0.04
1404	3	0	0	0.59	0.05	-11.47	0.01	-9.48	0.04
1408	3	0	5	0.59	0.03	-11.47	-0.02	-9.41	0.05
1412	3	0	10	0.60	0.04	-11.47	-0.00	-9.38	0.03
1416	3	0	15	0.60	0.04	-11.47	-0.00	-9.40	0.03

* Indicates model was close to heave stop

TABLE 6.200.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1435	3	10	0	0.60	-2.00	-11.30	-0.39	-8.96	1.61
1441	3	10	5	0.61	-1.97	-11.30	-0.37	-9.06	1.62
1444	3	10	10	0.60	-1.96	-11.31	-0.38	-9.00	1.62
1448	3	10	15	0.61	-1.96	-11.30	-0.38	-8.99	1.61
1456	3	20	0	0.65	-3.89	-10.79	-0.54	-8.36	3.10
1460	3	20	5	0.59	-3.92	-10.78	-0.57	-8.34	3.05
1464	3	20	10	0.60	-3.91	-10.79	-0.57	-8.36	3.04
1468	3	20	15	0.60	-3.91	-10.79	-0.57	-8.35	3.04
1540	6	-10	0	1.21	2.04	-11.24	0.26	-12.01	-2.04
1544	6	-10	5	1.20	2.03	-11.24	0.26	-11.80	-2.02
1548	6	-10	10	1.21	2.05	-11.24	0.25	-11.88	-2.02
1552	6	-10	15	1.22	2.04	-11.24	0.24	-11.94	-2.03
1475	6	0	0	1.20	0.04	-11.43	-0.02	-12.33	0.06
1479	6	0	5	1.22	0.09	-11.42	0.02	-12.30	0.05
1483	6	0	10	1.21	0.06	-11.43	-0.00	-12.20	0.04
1487	6	0	15	1.22	0.09	-11.42	-0.00	-12.44	0.04
1493	6	10	0	1.19	-1.94	-11.26	-0.27	-12.09	2.15
1497	6	10	5	1.20	-1.91	-11.27	-0.25	-12.03	2.15
1501	6	10	10	1.21	-1.90	-11.27	-0.26	-12.04	2.16
1505	6	10	15	1.22	-1.91	-11.26	-0.26	-11.96	2.13
1521	6	20	0	1.23	-3.86	-10.75	-0.46	-11.14	4.07
1526	6	20	5	1.20	-3.86	-10.76	-0.48	-11.24	4.08
1529	6	20	10	1.20	-3.86	-10.76	-0.48	-11.13	4.04
1533	6	20	15	1.21	-3.87	-10.75	-0.49	-11.13	4.04

* Indicates model was close to heave stop

TABLE 6.201.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1709	-2	-10	0	-1.84	2.07	-11.24	0.23	3.49	0.83
1713	-2	-10	5	-1.96	3.18	-11.04	0.27	3.41	2.66
1716 *	-2	-10	10	-2.26	5.34	-10.65	-0.02	3.70	5.87
1718 *	-2	-10	15	-2.46	8.88	-10.02	-0.41	4.47	9.85
1645	-2	0	0	-1.87	-0.02	-11.43	0.05	3.94	0.05
1648	-2	0	5	-1.97	0.99	-11.43	-0.05	4.12	1.63
1653	-2	0	10	-2.41	3.19	-11.41	-0.28	4.59	4.39
1656 *	-2	0	15	-2.96	7.36	-11.39	-0.51	6.06	9.04
1660	-2	10	0	-1.83	-2.09	-11.24	-0.22	3.43	-0.76
1664	-2	10	5	-1.87	-1.24	-11.39	-0.34	4.04	0.56
1681	-2	10	5	-1.87	-1.21	-11.39	-0.36	4.03	0.63
1683	-2	10	10	-2.21	0.45	-11.68	-0.44	5.23	2.67
1686 *	-2	10	15	-2.82	4.12	-12.30	-0.59	7.25	6.62
1692	-2	20	0	-1.78	-4.09	-10.68	-0.44	2.62	-1.31
1696	-2	20	5	-1.80	-3.23	-10.99	-0.43	3.53	0.02
1699	-2	20	10	-1.91	-1.76	-11.52	-0.51	5.26	1.63
1703 *	-2	20	15	-2.47	1.36	-12.64	-0.81	7.40	4.88
1627	0	-10	0	-1.21	2.08	-11.30	0.40	-0.18	0.19
1631	0	-10	5	-1.30	2.96	-11.14	0.40	-0.23	1.13
1635	0	-10	10	-1.60	4.71	-10.84	0.21	0.17	2.80
1639 *	0	-10	15	-2.08	8.47	-10.17	-0.14	1.31	5.96
1560	0	0	0	-1.22	0.02	-11.49	0.02	-0.02	0.04
1564	0	0	5	-1.32	0.77	-11.49	0.05	0.02	0.92
1568	0	0	10	-1.54	2.08	-11.49	-0.00	0.81	2.25
1572 *	0	0	15	-2.00	5.42	-11.49	-0.32	2.18	4.85
1577	0	10	0	-1.21	-2.08	-11.30	-0.42	-0.30	-0.13
1582	0	10	5	-1.29	-1.38	-11.42	-0.39	0.16	0.81
1586	0	10	10	-1.50	-0.15	-11.64	-0.35	1.18	1.91
1591	0	10	15	-1.86	2.32	-12.08	-0.37	2.88	3.51
1607	0	20	0	-1.18	-4.14	-10.72	-0.50	-0.63	-0.17
1611	0	20	5	-1.17	-3.42	-10.98	-0.59	-0.03	0.47
1615	0	20	10	-1.31	-2.22	-11.42	-0.60	1.07	1.24
1619	0	20	15	-1.65	-0.19	-12.16	-0.53	3.04	2.37
1397	3	-10	0	-0.69	2.18	-11.34	0.48	-5.33	-0.92
1393	3	-10	5	-0.74	2.98	-11.20	0.49	-5.07	-0.97
1390	3	-10	10	-0.93	4.40	-10.96	0.38	-4.32	-1.00
1405	3	0	0	-0.55	0.09	-11.53	0.07	-5.62	0.01
1409	3	0	5	-0.71	0.83	-11.54	0.11	-5.46	-0.05
1413	3	0	10	-0.83	2.01	-11.55	0.19	-4.85	-0.19
1417	3	0	15	-1.12	4.60	-11.56	0.18	-3.44	-0.48

* Indicates model was close to heave stop

TABLE 6.201.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1436	3	10	0	-0.67	-2.08	-11.35	-0.45	-5.35	0.95
1440	3	10	5	-0.67	-1.28	-11.49	-0.40	-5.18	0.77
1445	3	10	10	-0.75	-0.10	-11.70	-0.20	-4.41	0.35
1449	3	10	15	-0.91	1.54	-12.00	-0.03	-3.05	-0.08
1457	3	20	0	-0.64	-3.91	-10.86	-0.55	-4.97	1.88
1461	3	20	5	-0.72	-3.11	-11.15	-0.63	-4.81	1.51
1465	3	20	10	-0.78	-1.84	-11.62	-0.61	-4.25	0.66
1469	3	20	15	-0.86	-0.54	-12.09	-0.42	-2.96	-0.21
1541	6	-10	0	-0.37	1.90	-11.44	0.36	-8.83	-1.44
1545	6	-10	5	-0.44	2.98	-11.25	0.42	-8.57	-2.36
1549	6	-10	10	-0.53	4.36	-11.02	0.44	-7.89	-3.34
1553	6	-10	15	-0.70	6.87	-10.60	0.35	-6.76	-5.07
1476	6	0	0	-0.29	0.04	-11.58	0.00	-9.08	0.04
1480	6	0	5	-0.38	1.13	-11.59	0.16	-9.00	-0.86
1484	6	0	10	-0.48	2.25	-11.60	0.24	-8.59	-1.79
1488	6	0	15	-0.57	3.97	-11.61	0.30	-7.89	-3.12
1494	6	10	0	-0.40	-1.71	-11.47	-0.31	-8.95	1.49
1498	6	10	5	-0.39	-0.61	-11.67	-0.20	-8.89	0.47
1502	6	10	10	-0.42	0.53	-11.87	-0.08	-8.45	-0.71
1506	6	10	15	-0.49	1.70	-12.08	0.05	-8.01	-1.74
1522	6	20	0	-0.48	-3.67	-11.01	-0.53	-8.22	3.03
1525	6	20	5	-0.55	-2.45	-11.46	-0.49	-8.52	1.93
1530	6	20	10	-0.50	-1.10	-11.95	-0.40	-8.44	0.52
1534	6	20	15	-0.41	-0.16	-12.28	-0.24	-8.05	-0.57

* Indicates model was close to heave stop

TABLE 6.203.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1710		-2	-10	0	-6.66	3.63	-10.80	0.60	0.95	1.77
1714	*	-2	-10	5	-6.97	10.21	-9.63	0.48	0.64	11.41
1646		-2	0	0	-6.36	0.22	-11.28	0.12	0.33	0.14
1650	*	-2	0	5	-6.80	5.83	-11.26	-0.29	1.23	7.97
1654	*	-2	0	10	-7.75	18.44	-11.23	-0.95	4.81	19.30
1721	*	-2	0	10	-7.88	21.16	-11.22	-0.85	4.66	21.92
1661		-2	10	0	-6.26	-3.21	-10.89	-0.25	1.05	-1.44
1665		-2	10	5	-6.68	1.68	-11.73	-0.78	3.59	5.22
1680		-2	10	5	-6.64	1.78	-11.75	-0.52	3.63	5.59
1684	*	-2	10	10	-7.43	11.90	-13.51	-0.96	7.20	13.78
1688	*	-2	10	15	-8.77	24.49	-15.68	-0.03	9.74	20.92
1693		-2	20	0	-4.98	-4.04	-10.58	-0.21	2.12	-0.80
1697		-2	20	5	-5.00	0.24	-12.14	-0.34	5.55	5.27
1701	*	-2	20	10	-8.21	7.13	-14.53	-0.66	12.32	7.79
1628		0	-10	0	-3.63	2.32	-11.26	0.31	2.82	1.31
1632		0	-10	5	-4.45	6.58	-10.51	0.16	2.23	2.93
1636	*	0	-10	10	-7.06	21.03	-7.96	-0.84	4.41	11.24
1640	*	0	-10	15	-7.31	34.71	-5.55	-1.50	4.15	20.06
1561		0	0	0	-3.75	0.12	-11.49	0.05	5.05	-0.04
1565		0	0	5	-4.23	3.41	-11.49	0.25	5.38	2.62
1569	*	0	0	10	-6.57	14.44	-11.49	-0.40	7.45	5.63
1573	*	0	0	15	-8.57	38.91	-11.49	-0.97	5.48	24.90
1579		0	10	0	-3.56	-2.19	-11.28	-0.24	2.75	-1.22
1583		0	10	5	-3.85	0.85	-11.82	0.08	6.53	0.91
1588		0	10	10	-5.14	6.53	-12.82	0.31	10.87	3.85
1592	*	0	10	15	-10.18	33.26	-17.53	0.25	12.81	16.70
1608		0	20	0	-3.47	-4.31	-10.66	-0.36	0.61	-1.51
1612		0	20	5	-3.47	-1.53	-11.67	-0.29	5.20	-1.41
1616		0	20	10	-3.45	0.90	-12.55	0.00	7.91	-0.66
1620		0	20	15	-2.99	3.11	-13.36	-0.04	5.96	-1.13
1398		3	-10	0	-1.82	1.81	-11.46	0.52	-3.39	-0.06
1394		3	-10	5	-2.28	4.50	-11.01	0.70	-2.74	-1.45
1391		3	-10	10	-3.16	10.49	-10.00	0.66	0.55	-3.35
1400		3	-10	13	-4.28	19.14	-8.54	0.37	4.65	-3.33
1388		3	-10	15	-5.35	29.24	-6.81	0.04	6.77	-0.71
1406		3	0	0	-1.60	0.14	-11.59	0.04	-3.94	0.04
1410		3	0	5	-1.87	2.10	-11.60	0.37	-3.62	-0.59
1414		3	0	10	-2.39	5.46	-11.63	0.82	-1.97	-1.98
1418		3	0	15	-3.65	14.89	-11.70	1.07	3.32	-4.01

* Indicates model was close to heave stop

TABLE 6.203.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1437	3	10	0	-1.79	-1.49	-11.52	-0.50	-3.57	-0.08
1442	3	10	5	-1.58	0.15	-11.79	-0.11	-4.55	-0.52
1446	3	10	10	-1.59	2.01	-12.12	0.28	-5.40	-1.36
1450	3	10	15	-1.60	4.43	-12.55	0.78	-5.89	-2.79
1458	3	20	0	-1.99	-3.55	-11.06	-0.78	-3.00	1.04
1462	3	20	5	-1.67	-1.38	-11.83	-0.55	-3.88	-0.58
1466	3	20	10	-1.34	-0.11	-12.28	-0.37	-7.00	-1.20
1470	3	20	15	-1.10	0.97	-12.66	-0.25	-9.98	-1.98
1542	6	-10	0	-0.82	1.30	-11.59	0.40	-10.21	-0.59
1546	6	-10	5	-1.14	3.20	-11.29	0.69	-8.35	-2.57
1550	6	-10	10	-1.51	7.10	-10.64	0.96	-6.27	-6.36
1554	6	-10	15	-2.06	14.60	-9.38	1.04	-2.20	-12.36
1477	6	0	0	-0.71	0.08	-11.63	0.05	-11.31	0.09
1481	6	0	5	-0.87	1.35	-11.64	0.36	-11.04	-1.18
1485	6	0	10	-0.98	2.99	-11.66	0.71	-10.45	-2.87
1489	6	0	15	-1.25	5.86	-11.68	1.08	-9.11	-5.87
1495	6	10	0	-0.82	-1.09	-11.63	-0.35	-10.51	0.73
1499	6	10	5	-0.69	0.05	-11.81	-0.09	-12.19	-0.38
1503	6	10	10	-0.66	1.13	-12.00	0.17	-13.72	-1.71
1507	6	10	15	-0.67	2.31	-12.21	0.40	-14.91	-3.18
1523	6	20	0	-1.30	-2.46	-11.55	-0.70	-8.66	1.58
1527	6	20	5	-0.99	-1.40	-11.89	-0.40	-11.32	0.69
1531	6	20	10	-0.68	-0.80	-12.08	-0.37	-13.40	0.21
1535	6	20	15	-0.46	-0.24	-12.26	-0.35	-15.00	-0.30

* Indicates model was close to heave stop

TABLE 6.204.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1711	*	-2	-10	0	-11.61	5.93	-10.22	0.88	-0.27	4.38
1647	*	-2	0	0	-11.90	0.55	-11.08	0.01	-1.21	0.29
1651	*	-2	0	5	-12.23	12.52	-11.07	-0.54	0.93	19.66
1662	*	-2	10	0	-11.93	-5.04	-10.36	-0.61	0.15	-5.52
1666	*	-2	10	5	-11.81	6.99	-12.49	-0.92	6.02	11.79
1694	*	-2	20	0	-12.94	-9.10	-8.44	-0.53	2.75	-12.29
1698	*	-2	20	5	-12.85	-0.02	-11.75	-0.35	11.03	1.20
1629		0	-10	0	-6.09	2.53	-11.22	0.00	9.66	3.46
1633		0	-10	5	-9.25	10.40	-9.83	-0.29	7.89	6.25
1637	*	0	-10	10	-11.38	33.55	-5.75	-1.49	6.66	23.48
1562		0	0	0	-5.64	0.18	-11.49	0.02	11.04	0.07
1566		0	0	5	-7.18	5.68	-11.49	0.24	12.35	4.97
1570	*	0	0	10	-13.38	38.77	-11.49	-0.93	6.93	33.26
1574	*	0	0	15	-14.67	58.20	-11.49	-5.56	10.51	38.01
1580		0	10	0	-6.03	-2.05	-11.31	0.10	9.34	-3.29
1584		0	10	5	-5.70	1.47	-11.93	0.23	12.16	0.30
1589		0	10	10	-5.86	6.79	-12.87	0.80	12.93	2.96
1593	*	0	10	15	-14.46	38.16	-18.40	1.23	25.34	12.90
1609		0	20	0	-6.49	-4.25	-10.68	-0.09	5.27	-4.15
1613		0	20	5	-5.36	-1.59	-11.65	-0.07	11.18	-3.14
1617		0	20	10	-4.29	0.91	-12.56	-0.37	7.32	-2.49
1621		0	20	15	-3.61	2.86	-13.27	-0.90	3.14	-2.95
1399		3	-10	0	-2.37	1.75	-11.50	0.45	-3.70	0.05
1395		3	-10	5	-3.39	5.44	-10.90	0.94	-0.71	-1.95
1385		3	-10	10	-5.24	15.58	-9.21	1.01	5.43	-4.95
1386		3	-10	13	-7.59	34.58	-5.99	0.63	14.45	-4.45
1384	*	3	-10	15	-9.31	52.10	-2.99	-0.40	16.03	2.38
1407		3	0	0	-2.39	0.22	-11.63	0.02	-5.60	-0.01
1411		3	0	5	-2.56	2.51	-11.64	0.51	-4.64	-1.07
1415		3	0	10	-3.20	6.66	-11.67	1.22	-1.96	-3.19
1419		3	0	15	-5.80	22.72	-11.81	2.06	8.42	-7.07

* Indicates model was close to heave stop

TABLE 6.204.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1438	3	10	0	-2.48	-1.46	-11.56	-0.47	-4.35	0.02
1443	3	10	5	-2.12	0.58	-11.90	-0.04	-7.85	-1.02
1447	3	10	10	-1.95	2.75	-12.27	0.36	-10.48	-2.93
1451	3	10	15	-1.80	5.15	-12.69	0.75	-12.27	-5.40
1459	3	20	0	-2.76	-3.00	-11.31	-0.92	-1.36	-0.05
1463	3	20	5	-2.20	-1.30	-11.90	-0.59	-6.69	-0.20
1467	3	20	10	-1.66	-0.47	-12.16	-0.54	-10.57	-0.59
1471	3	20	15	-1.24	0.39	-12.45	-0.59	-13.23	-1.26
1543	6	-10	0	-0.87	1.89	-11.49	0.52	-13.68	-1.79
1547	6	-10	5	-1.16	3.17	-11.30	0.84	-11.27	-3.05
1551	6	-10	10	-1.79	6.89	-10.71	1.29	-8.42	-7.50
1555	6	-10	15	-2.48	15.39	-9.28	1.54	-2.63	-16.07
1478	6	0	0	-0.73	0.17	-11.63	0.02	-15.61	0.10
1482	6	0	5	-0.82	1.72	-11.64	0.41	-15.47	-2.17
1486	6	0	10	-0.92	3.31	-11.65	0.79	-15.33	-4.34
1490	6	0	15	-1.04	5.03	-11.66	1.25	-14.88	-6.62
1496	6	10	0	-0.78	-1.59	-11.53	-0.60	-13.99	1.90
1500	6	10	5	-0.73	-0.39	-11.74	-0.38	-15.24	0.38
1504	6	10	10	-0.75	0.81	-11.95	-0.18	-16.21	-1.28
1508	6	10	15	-0.80	2.18	-12.20	-0.01	-17.19	-3.15
1524	6	20	0	-1.50	-2.59	-11.52	-0.86	-11.35	2.29
1528	6	20	5	-0.91	-2.30	-11.56	-0.75	-14.03	2.56
1532	6	20	10	-0.61	-1.78	-11.72	-0.71	-15.58	2.14
1536	6	20	15	-0.51	-1.34	-11.86	-0.68	-16.68	1.77

* Indicates model was close to heave stop

TABLE 6.210.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
585	0	-10	-10	-0.04	2.08	-11.30	0.39	-3.57	-0.65
568	0	-10	-8	-0.03	2.07	-11.30	0.39	-3.58	-0.63
582	0	-10	-5	-0.04	2.06	-11.30	0.39	-3.63	-0.64
569	0	-10	0	-0.03	2.10	-11.30	0.41	-3.63	-0.64
574	0	-10	5	-0.01	2.05	-11.31	0.34	-3.70	-0.65
577	0	-10	10	-0.03	2.02	-11.31	0.31	-3.77	-0.64
468	0	0	-15	-0.07	0.09	-11.49	-0.00	-3.89	-0.01
464	0	0	-10	-0.04	0.13	-11.49	0.02	-3.68	-0.01
459	0	0	-5	-0.04	0.14	-11.49	0.02	-3.66	-0.01
439	0	0	0	-0.01	0.09	-11.49	0.04	-3.65	0.01
446	0	0	5	-0.02	0.05	-11.49	-0.03	-3.83	0.02
450	0	0	10	-0.02	0.05	-11.49	-0.04	-3.85	0.01
454	0	0	15	-0.04	0.05	-11.49	-0.06	-4.02	0.03
534	0	10	-10	-0.04	-2.00	-11.32	-0.55	-3.57	0.64
530	0	10	-5	-0.02	-1.93	-11.33	-0.51	-3.65	0.62
471	0	10	0	-0.05	-1.89	-11.33	-0.45	-3.73	0.66
517	0	10	0	-0.03	-1.95	-11.32	-0.52	-3.63	0.66
475	0	10	5	-0.02	-1.90	-11.33	-0.47	-3.84	0.69
522	0	10	5	-0.01	-1.93	-11.33	-0.49	-3.77	0.69
525	0	10	10	-0.02	-1.94	-11.33	-0.49	-3.75	0.66
560	0	20	-10	-0.05	-3.95	-10.79	-0.73	-3.61	1.32
553	0	20	-5	-0.03	-3.90	-10.81	-0.66	-3.66	1.34
555	0	20	-5	-0.04	-3.94	-10.79	-0.71	-3.67	1.35
538	0	20	0	-0.02	-3.91	-10.80	-0.70	-3.72	1.36
543	0	20	5	-0.01	-3.87	-10.82	-0.67	-3.77	1.37
548	0	20	10	-0.02	-3.86	-10.82	-0.64	-3.81	1.40
250	3	-10	-15	0.59	1.95	-11.31	0.27	-8.49	-1.52
245	3	-10	-10	0.60	2.01	-11.30	0.32	-8.68	-1.54
241	3	-10	-5	0.61	1.96	-11.30	0.29	-8.68	-1.59
237	3	-10	0	0.62	2.01	-11.30	0.30	-8.78	-1.57
233	3	-10	5	0.60	2.01	-11.30	0.30	-8.75	-1.56
229	3	-10	10	0.55	1.89	-11.32	0.08	-8.71	-1.51
225	3	-10	15	0.59	1.82	-11.33	0.13	-8.67	-1.55
109	3	0	-15	0.61	0.02	-11.47	-0.06	-9.04	-0.04
104	3	0	-10	0.61	0.06	-11.47	-0.04	-9.09	-0.04
100	3	0	-5	0.60	0.07	-11.47	-0.05	-9.10	-0.03
96	3	0	0	0.59	-0.03	-11.47	-0.13	-9.09	-0.06
90	3	0	5	0.62	0.05	-11.47	-0.06	-9.21	-0.03
79	3	0	10	0.59	-0.09	-11.47	-0.15	-9.23	-0.08
81	3	0	10	0.58	-0.23	-11.48	-0.24	-9.20	-0.13
87	3	0	10	0.62	0.02	-11.47	-0.10	-9.24	-0.03
83	3	0	15	0.57	0.03	-11.48	-0.09	-9.30	-0.05

* Indicates model was close to heave stop

TABLE 6.210.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, CV = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
113	3	10	-15	0.56	-1.97	-11.31	-0.47	-8.80	1.47
154	3	10	-15	0.53	-2.06	-11.29	-0.44	-8.45	1.45
159	3	10	-10	0.58	-2.02	-11.30	-0.48	-8.86	1.50
163	3	10	-5	0.59	-2.02	-11.30	-0.49	-8.91	1.49
167	3	10	0	0.59	-2.11	-11.28	-0.55	-8.78	1.46
171	3	10	5	0.61	-1.93	-11.31	-0.44	-8.91	1.52
185	3	10	5	0.60	-2.00	-11.30	-0.49	-8.75	1.51
187	3	10	10	0.62	-2.03	-11.29	-0.49	-8.90	1.51
191	3	10	15	0.64	-1.79	-11.33	-0.33	-9.01	1.64
219	3	20	-15	0.64	-3.90	-10.79	-0.47	-8.32	2.97
215	3	20	-10	0.60	-3.88	-10.80	-0.50	-8.41	3.00
211	3	20	-5	0.59	-3.92	-10.79	-0.53	-8.37	2.99
203	3	20	5	0.59	-3.92	-10.79	-0.55	-8.31	2.96
207	3	20	5	0.61	-3.89	-10.80	-0.53	-8.47	3.02
199	3	20	10	0.63	-3.91	-10.79	-0.54	-8.51	3.07
195	3	20	15	0.62	-3.89	-10.79	-0.52	-8.50	3.03
419	6	-10	-15	1.23	2.02	-11.24	0.26	-11.59	-2.08
415	6	-10	-10	1.24	2.03	-11.24	0.25	-11.43	-2.05
411	6	-10	-5	1.22	1.95	-11.26	0.21	-11.55	-2.09
393	6	-10	0	1.23	1.99	-11.25	0.23	-11.41	-2.04
397	6	-10	5	1.24	2.01	-11.24	0.24	-11.63	-2.07
401	6	-10	10	1.25	1.99	-11.25	0.21	-11.57	-2.06
405	6	-10	15	1.24	1.97	-11.25	0.19	-11.58	-2.06
295	6	0	-15	1.23	0.02	-11.42	-0.06	-12.17	-0.09
291	6	0	-10	1.22	0.08	-11.42	-0.01	-12.14	-0.10
287	6	0	-5	1.23	0.04	-11.42	-0.05	-12.16	-0.05
267	6	0	0	1.24	0.04	-11.42	-0.05	-12.17	-0.06
273	6	0	5	1.22	-0.02	-11.42	-0.09	-12.15	-0.06
277	6	0	5	1.26	0.05	-11.42	-0.06	-12.10	-0.04
282	6	0	10	1.25	0.06	-11.42	-0.06	-12.34	-0.05
283	6	0	15	1.23	0.01	-11.42	-0.07	-12.08	-0.06
299	6	10	-15	1.22	-1.98	-11.25	-0.33	-11.80	1.96
304	6	10	-10	1.24	-1.94	-11.26	-0.31	-11.86	1.97
308	6	10	-5	1.25	-1.91	-11.26	-0.29	-11.96	2.02
321	6	10	-5	1.25	-1.91	-11.26	-0.28	-11.83	1.98
324	6	10	0	1.25	-1.89	-11.26	-0.25	-11.98	2.03
328	6	10	5	1.25	-1.94	-11.26	-0.31	-11.94	2.01
332	6	10	10	1.26	-1.91	-11.26	-0.30	-12.07	2.04
336	6	10	15	1.25	-2.01	-11.24	-0.38	-11.96	2.02
364	6	20	-15	1.22	-3.95	-10.72	-0.58	-11.10	3.88
360	6	20	-10	1.22	-3.88	-10.75	-0.53	-11.09	3.91
356	6	20	-5	1.22	-3.91	-10.74	-0.58	-11.13	3.92
340	6	20	0	1.21	-3.93	-10.73	-0.61	-11.09	3.91
344	6	20	5	1.25	-3.90	-10.74	-0.57	-11.12	3.95
348	6	20	10	1.26	-3.87	-10.75	-0.54	-11.20	3.97
352	6	20	15	1.23	-3.96	-10.71	-0.62	-11.18	3.95

* Indicates model was close to heave stop

TABLE 6.211.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
586	0	-10	-10	-1.62	0.46	-11.59	0.84	1.33	-2.67
581	0	-10	-5	-1.36	1.64	-11.38	0.68	0.49	-1.28
570	0	-10	0	-1.21	2.43	-11.24	0.61	0.23	-0.20
573	0	-10	5	-1.36	3.13	-11.12	0.37	0.30	0.78
578	0	-10	10	-1.64	4.72	-10.83	-0.05	1.00	1.96
469 *	0	0	-15	-2.04	-5.16	-11.49	0.60	2.12	-5.69
465	0	0	-10	-1.59	-1.80	-11.49	0.56	0.81	-3.03
460	0	0	-5	-1.34	-0.45	-11.49	0.26	0.05	-1.50
443	0	0	0	-1.26	0.01	-11.49	0.01	0.19	-0.43
447	0	0	5	-1.25	0.71	-11.49	-0.01	0.29	0.42
451	0	0	10	-1.47	1.92	-11.49	-0.14	1.14	1.43
455 *	0	0	15	-1.94	4.85	-11.49	-0.31	2.54	2.96
535	0	10	-10	-1.64	-4.35	-10.90	0.12	-0.16	-3.52
531	0	10	-5	-1.34	-2.76	-11.18	-0.22	-0.28	-1.79
472	0	10	0	-1.23	-1.88	-11.34	-0.30	-0.27	-0.64
518	0	10	0	-1.19	-2.04	-11.31	-0.45	-0.16	-0.65
476	0	10	5	-1.28	-1.20	-11.46	-0.34	0.23	0.35
523	0	10	5	-1.17	-1.34	-11.43	-0.36	0.18	0.23
526	0	10	10	-1.38	-0.35	-11.61	-0.44	1.06	1.00
561	0	20	-10	-1.81	-6.31	-9.93	0.12	-0.94	-3.39
556	0	20	-5	-1.37	-4.63	-10.54	-0.26	-0.86	-1.54
539	0	20	0	-1.25	-3.83	-10.83	-0.53	-0.44	-0.71
544	0	20	5	-1.16	-3.15	-11.08	-0.54	0.01	-0.08
549	0	20	10	-1.34	-2.07	-11.47	-0.61	1.27	0.59
251	3	-10	-15	-0.81	-1.10	-11.92	0.12	-2.64	-0.84
246	3	-10	-10	-0.73	0.51	-11.63	0.32	-4.11	-1.01
242	3	-10	-5	-0.62	1.73	-11.41	0.49	-4.79	-1.18
238	3	-10	0	-0.56	2.70	-11.24	0.57	-4.97	-1.21
234	3	-10	5	-0.69	3.56	-11.09	0.54	-4.52	-1.20
230	3	-10	10	-0.93	4.81	-10.88	0.14	-3.59	-1.38
226	3	-10	15	-1.23	7.96	-10.35	-0.30	-1.71	-1.93
108	3	0	-15	-1.02	-3.93	-11.56	-0.24	-3.55	-0.71
110	3	0	-15	-0.99	-3.77	-11.56	-0.16	-3.62	-0.70
105	3	0	-10	-0.79	-1.56	-11.55	-0.21	-4.86	-0.54
101	3	0	-5	-0.66	-0.47	-11.54	-0.16	-5.24	-0.44
97	3	0	0	-0.60	0.26	-11.54	-0.06	-5.29	-0.38
91	3	0	5	-0.61	1.12	-11.54	0.06	-5.13	-0.45
92	3	0	5	-0.64	1.10	-11.54	0.02	-5.07	-0.45
88	3	0	10	-0.78	2.33	-11.55	0.05	-4.38	-0.69
86	3	0	15	-1.04	4.84	-11.56	-0.05	-2.95	-1.27

* Indicates model was close to heave stop

TABLE 6.211.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
114	3	10	-15	-1.19	-6.43	-10.61	-0.36	-3.58	-0.26
160	3	10	-10	-0.93	-3.70	-11.08	-0.46	-4.68	0.36
164	3	10	-5	-0.77	-2.54	-11.28	-0.55	-5.24	0.47
168	3	10	0	-0.67	-1.60	-11.44	-0.40	-5.28	0.54
172	3	10	5	-0.63	-0.93	-11.55	-0.42	-5.21	0.33
188	3	10	10	-0.65	0.21	-11.76	-0.21	-4.34	-0.11
192	3	10	15	-0.84	2.13	-12.10	-0.01	-2.94	-0.63
220	3	20	-15	-1.03	-7.84	-9.45	-0.09	-3.59	0.64
216	3	20	-10	-0.83	-5.45	-10.31	-0.30	-4.52	1.12
212	3	20	-5	-0.67	-4.34	-10.70	-0.46	-4.96	1.35
204	3	20	5	-0.54	-2.86	-11.23	-0.48	-4.95	1.11
208	3	20	5	-0.50	-3.64	-10.95	-0.49	-5.14	1.35
200	3	20	10	-0.64	-1.73	-11.65	-0.28	-4.33	0.53
196	3	20	15	-0.82	-0.27	-12.19	-0.16	-3.09	-0.20
420	6	-10	-15	-0.24	-0.86	-11.91	0.05	-7.77	0.86
416	6	-10	-10	-0.23	0.18	-11.72	0.17	-8.21	0.03
412	6	-10	-5	-0.17	1.21	-11.54	0.19	-8.44	-1.07
409	6	-10	-5	-0.18	1.29	-11.52	0.22	-8.41	-1.05
394	6	-10	0	-0.22	2.35	-11.34	0.32	-8.37	-1.97
398	6	-10	5	-0.31	3.51	-11.15	0.37	-7.96	-2.86
402	6	-10	10	-0.40	5.11	-10.87	0.32	-7.11	-4.07
406	6	-10	15	-0.53	7.64	-10.44	0.17	-5.68	-5.93
296	6	0	-15	-0.31	-2.81	-11.59	-0.19	-7.99	1.97
292	6	0	-10	-0.29	-1.47	-11.58	-0.14	-8.60	1.01
288	6	0	-5	-0.25	-0.35	-11.58	0.01	-8.98	0.29
268	6	0	0	-0.12	0.48	-11.57	0.00	-9.04	-0.55
274	6	0	5	-0.28	1.51	-11.58	0.11	-8.74	-1.37
278	6	0	10	-0.27	2.78	-11.58	0.25	-8.13	-2.31
284	6	0	15	-0.45	4.73	-11.60	0.21	-7.24	-3.90
300	6	10	-15	-0.43	-5.25	-10.85	-0.37	-7.32	3.58
305	6	10	-10	-0.32	-3.42	-11.16	-0.42	-8.28	2.43
309	6	10	-5	-0.31	-2.37	-11.35	-0.44	-8.76	1.66
325	6	10	0	-0.21	-1.23	-11.54	-0.27	-9.05	0.89
329	6	10	5	-0.18	-0.08	-11.74	-0.17	-8.91	-0.18
333	6	10	10	-0.22	1.07	-11.94	0.00	-8.48	-1.19
337	6	10	15	-0.28	2.36	-12.18	0.07	-7.89	-2.40
365	6	20	-15	-0.53	-8.12	-9.40	-0.39	-6.22	5.36
361	6	20	-10	-0.44	-5.76	-10.25	-0.55	-7.45	4.09
357	6	20	-5	-0.40	-4.36	-10.75	-0.64	-8.13	3.25
341	6	20	0	-0.38	-3.11	-11.20	-0.63	-8.47	2.26
345	6	20	5	-0.34	-1.93	-11.63	-0.58	-8.70	1.21
349	6	20	10	-0.30	-0.60	-12.11	-0.42	-8.49	-0.16
353	6	20	15	-0.27	0.18	-12.39	-0.32	-8.29	-0.91

* Indicates model was close to heave stop

TABLE 6.213.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
587		0	-10	-10	-5.18	-5.75	-12.68	0.73	10.61	-7.43
583		0	-10	-5	-3.87	-0.58	-11.77	0.57	6.34	-2.63
571		0	-10	0	-3.52	2.45	-11.24	0.45	3.01	-0.30
575		0	-10	5	-4.48	6.86	-10.46	-0.08	4.19	0.92
579	*	0	-10	10	-5.92	16.60	-8.74	-1.22	7.07	3.85
466	*	0	0	-10	-6.04	-11.70	-11.49	1.31	5.35	-10.58
461		0	0	-5	-4.07	-3.03	-11.49	0.28	4.51	-4.90
444		0	0	0	-3.58	0.05	-11.49	0.15	4.60	-1.64
448		0	0	5	-4.08	3.07	-11.49	0.05	5.90	0.59
452	*	0	0	10	-5.77	12.12	-11.49	-0.52	9.91	0.07
456	*	0	0	15	-6.18	22.76	-11.49	-0.47	12.16	2.14
536		0	10	-10	-5.60	-14.68	-9.08	0.96	-0.04	-12.77
532		0	10	-5	-4.02	-5.71	-10.66	0.07	0.42	-5.22
473		0	10	0	-3.58	-2.69	-11.19	-0.65	2.40	-3.18
478		0	10	5	-3.72	0.73	-11.80	0.11	5.76	-0.73
527		0	10	10	-4.64	5.76	-12.68	0.15	9.80	0.75
528		0	10	10	-4.67	5.73	-12.68	0.13	9.86	0.72
562	*	0	20	-10	-6.74	-16.31	-6.29	1.63	9.09	-14.55
567		0	20	-8	-4.99	-12.75	-7.59	1.00	0.10	-9.47
557		0	20	-5	-3.96	-7.59	-9.47	0.13	-0.25	-4.47
558		0	20	-5	-4.02	-7.80	-9.39	0.01	-0.25	-4.62
540		0	20	0	-3.38	-4.03	-10.76	-0.22	0.31	-2.41
546		0	20	5	-3.31	-1.45	-11.70	-0.19	3.94	-2.26
550		0	20	10	-3.29	1.30	-12.70	0.03	5.94	-1.74
252		3	-10	-15	-1.31	-3.16	-12.31	-0.36	-5.19	1.43
247		3	-10	-10	-1.48	-1.04	-11.95	0.05	-3.96	0.42
243		3	-10	-5	-1.53	0.77	-11.63	0.41	-2.83	-0.09
239		3	-10	0	-1.75	3.05	-11.24	0.66	-2.73	-1.08
235		3	-10	5	-2.31	6.27	-10.70	0.67	-1.54	-2.58
231		3	-10	10	-3.35	14.06	-9.38	0.37	2.71	-5.29
227	*	3	-10	15	-5.17	33.17	-6.11	-1.13	11.07	-5.17
111		3	0	-15	-3.13	-11.40	-11.67	-0.78	2.08	0.07
106		3	0	-10	-2.09	-3.65	-11.62	-0.56	-2.60	-0.23
102		3	0	-5	-1.77	-0.99	-11.60	-0.21	-3.75	-0.52
98		3	0	0	-1.48	0.89	-11.58	0.13	-4.00	-0.73
94		3	0	5	-1.86	3.55	-11.60	0.48	-3.04	-1.67
89		3	0	10	-2.55	7.96	-11.64	0.82	-0.25	-3.47
85		3	0	15	-4.04	19.86	-11.72	0.58	6.03	-7.05

* Indicates model was close to heave stop

TABLE 6.213.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
115	3	10	-15	-4.49	-22.41	-7.97	-0.04	5.20	-1.77
155	3	10	-15	-4.31	-20.69	-8.26	-0.53	4.91	-0.76
156	3	10	-15	-4.32	-20.88	-8.23	-0.21	4.92	-0.92
161	3	10	-10	-2.65	-7.25	-10.55	-0.72	-1.30	0.92
165	3	10	-5	-1.92	-2.94	-11.27	-0.70	-3.60	0.08
169	3	10	0	-1.63	-0.79	-11.63	-0.33	-4.23	-0.56
173	3	10	5	-1.37	0.97	-11.93	0.07	-5.13	-0.95
189	3	10	10	-1.35	2.96	-12.28	0.43	-5.79	-2.04
193	3	10	15	-1.42	5.62	-12.75	0.89	-5.66	-3.72
221	3	20	-15	-3.82	-20.12	-5.13	-0.05	2.37	-0.80
217	3	20	-10	-2.59	-9.10	-9.08	-0.49	-0.85	1.31
213	3	20	-5	-1.88	-4.65	-10.65	-0.55	-3.42	0.83
209	3	20	0	-1.60	-2.73	-11.34	-0.44	-4.24	-0.07
205	3	20	5	-1.34	-1.01	-11.95	-0.04	-5.61	-0.33
201	3	20	10	-1.26	0.86	-12.63	0.31	-7.11	-1.23
197	3	20	15	-1.15	2.92	-13.37	0.71	-8.98	-2.66
421	6	-10	-15	-0.35	-1.42	-12.02	-0.27	-13.59	2.10
417	6	-10	-10	-0.35	-0.29	-11.82	-0.02	-12.44	0.84
413	6	-10	-5	-0.32	0.77	-11.63	0.15	-10.69	-0.30
395	6	-10	0	-0.74	2.10	-11.44	0.49	-8.57	-1.28
399	6	-10	5	-1.09	5.25	-10.92	0.74	-7.06	-4.73
403	6	-10	10	-1.49	10.29	-10.08	0.78	-4.16	-9.27
407	6	-10	15	-1.96	19.36	-8.53	0.60	1.23	-15.82
297	6	0	-15	-0.75	-3.51	-11.63	-0.78	-9.91	3.28
293	6	0	-10	-0.57	-1.75	-11.61	-0.43	-10.74	1.72
289	6	0	-5	-0.37	-0.47	-11.59	-0.18	-10.99	0.45
269	6	0	0	-0.41	0.92	-11.60	0.20	-10.95	-0.73
275	6	0	5	-0.55	2.26	-11.61	0.53	-10.45	-2.00
279	6	0	10	-0.87	4.52	-11.65	0.81	-9.66	-4.43
280	6	0	10	-0.85	4.43	-11.64	0.78	-9.60	-4.41
285	6	0	15	-1.19	8.67	-11.68	1.11	-7.42	-8.59
302	6	10	-15	-1.35	-8.69	-10.34	-0.91	-5.09	6.93
306	6	10	-10	-1.10	-4.02	-11.14	-0.79	-7.90	3.11
310	6	10	-5	-0.72	-1.70	-11.51	-0.48	-9.61	1.12
326	6	10	0	-0.37	-0.47	-11.69	-0.27	-11.56	0.05
330	6	10	5	-0.25	0.72	-11.88	0.00	-13.19	-1.29
334	6	10	10	-0.24	1.87	-12.09	0.23	-14.49	-2.63
338	6	10	15	-0.29	3.03	-12.30	0.35	-15.39	-4.22
366	6	20	-15	-1.79	-14.80	-7.11	-0.45	-1.71	10.47
362	6	20	-10	-1.44	-7.62	-9.68	-0.85	-5.63	5.73
358	6	20	-5	-1.27	-3.90	-11.02	-0.88	-7.95	2.66
342	6	20	0	-0.70	-1.75	-11.74	-0.61	-10.43	0.89
346	6	20	5	-0.54	-1.09	-11.96	-0.53	-12.77	0.36
350	6	20	10	-0.39	-0.48	-12.16	-0.51	-14.60	-0.09
354	6	20	15	-0.25	-0.15	-12.27	-0.63	-15.63	-0.53

* Indicates model was close to heave stop

TABLE 6.214.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
588		0	-10	-10	-8.59	-10.30	-13.48	0.83	20.45	-12.46
584		0	-10	-5	-6.08	-1.66	-11.96	0.35	12.88	-3.45
572		0	-10	0	-5.86	2.20	-11.28	0.25	9.15	0.83
576	*	0	-10	5	-9.16	11.60	-9.62	-0.54	11.19	0.60
580	*	0	-10	10	-9.61	27.82	-6.76	-2.35	13.17	6.57
467	*	0	0	-10	-10.37	-19.87	-11.49	1.57	11.45	-19.60
462		0	0	-5	-6.87	-5.09	-11.49	0.55	10.50	-8.95
445		0	0	0	-5.51	-0.28	-11.49	0.06	10.00	-2.14
449		0	0	5	-6.73	4.93	-11.49	0.03	12.12	1.23
453	*	0	0	10	-9.70	19.96	-11.49	-0.92	18.18	1.50
457	*	0	0	15	-10.79	39.29	-11.49	-1.56	21.99	4.34
537	*	0	10	-10	-10.15	-25.98	-7.09	2.86	1.56	-27.04
533		0	10	-5	-7.67	-9.14	-10.06	0.44	3.72	-11.25
474		0	10	0	-5.92	-2.31	-11.26	0.43	8.11	-5.63
519		0	10	0	-5.92	-2.51	-11.23	0.23	8.36	-5.89
520		0	10	0	-5.78	-2.66	-11.20	0.22	7.96	-5.70
479		0	10	5	-5.45	1.43	-11.92	0.26	9.64	-2.02
521		0	10	5	-5.40	1.20	-11.88	0.30	9.71	-2.04
529		0	10	10	-6.05	7.47	-12.98	0.73	13.21	0.28
563		0	20	-10	-11.02	-22.61	-4.00	2.49	17.10	-26.05
566	*	0	20	-8	-10.25	-23.86	-3.54	2.41	-1.84	-26.65
554		0	20	-5	-7.36	-10.54	-8.39	0.79	0.93	-10.70
559		0	20	-5	-7.71	-11.99	-7.86	0.16	0.70	-12.00
541		0	20	0	-6.41	-4.06	-10.75	-0.04	2.66	-5.19
547		0	20	5	-5.03	-1.43	-11.71	-0.04	7.54	-4.31
564		0	20	5	-5.15	-1.19	-11.79	-0.03	7.87	-4.26
551		0	20	10	-4.27	1.82	-12.89	-0.37	5.25	-3.41
552		0	20	10	-4.25	1.83	-12.89	-0.39	5.25	-3.42
565		0	20	10	-4.29	1.49	-12.77	-0.35	5.71	-3.39
253		3	-10	-15	-1.49	-3.65	-12.41	-0.45	-10.46	3.47
248		3	-10	-10	-1.69	-1.38	-12.02	-0.08	-8.23	1.56
249		3	-10	-10	-1.59	-1.28	-11.99	-0.08	-8.25	1.52
244		3	-10	-5	-2.03	0.68	-11.67	0.19	-4.83	0.07
240		3	-10	0	-2.56	3.46	-11.21	0.81	-1.45	-1.03
236		3	-10	5	-3.54	8.55	-10.36	0.87	1.17	-4.20
232		3	-10	10	-6.02	23.87	-7.80	0.43	11.08	-7.99
228	*	3	-10	15	-8.41	56.15	-2.23	-1.76	24.10	-8.01
254	*	3	-10	15	-8.44	55.77	-2.30	-2.13	24.00	-7.70
112		3	0	-15	-4.31	-15.28	-11.73	-1.52	4.10	1.86
107		3	0	-10	-2.38	-3.68	-11.63	-0.79	-4.05	0.88
103		3	0	-5	-2.31	-0.94	-11.63	-0.23	-5.06	0.03
99		3	0	0	-2.27	1.42	-11.62	0.28	-4.85	-0.71
95		3	0	5	-2.60	4.67	-11.64	0.84	-3.60	-2.48
82		3	0	10	-3.58	10.58	-11.69	1.37	0.68	-5.52
84		3	0	15	-6.48	30.96	-11.85	1.38	13.54	-10.74

* Indicates model was close to heave stop

TABLE 6.214.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
158	3	10	-15	-7.24	-32.12	-6.41	-1.47	9.87	-5.18
162	3	10	-10	-3.59	-7.66	-10.52	-1.13	0.43	1.32
166	3	10	-5	-2.74	-2.74	-11.35	-0.81	-3.02	-0.20
170	3	10	0	-2.11	-0.30	-11.74	-0.21	-6.24	-0.59
174	3	10	5	-1.82	1.84	-12.10	0.20	-9.33	-2.00
186	3	10	5	-1.69	1.83	-12.10	0.11	-9.38	-2.09
190	3	10	10	-1.56	4.13	-12.49	0.39	-11.47	-4.34
194	3	10	15	-1.49	6.89	-12.98	0.78	-13.04	-7.02
222	3	20	-15	-4.98	-23.37	-4.02	-0.85	5.68	-0.44
224	3	20	-14	-6.89	-31.29	-1.24	-0.29	11.30	-3.72
223	3	20	-13	-6.31	-24.90	-3.53	-0.87	8.70	-1.82
218	3	20	-10	-3.78	-10.19	-8.75	-0.84	1.47	1.39
214	3	20	-5	-2.69	-4.53	-10.75	-0.80	-2.60	0.30
210	3	20	0	-2.07	-2.32	-11.52	-0.36	-6.04	0.27
206	3	20	5	-1.72	-0.39	-12.20	-0.06	-9.71	-0.49
202	3	20	10	-1.52	1.76	-12.97	0.17	-12.29	-2.11
198	3	20	15	-1.40	3.85	-13.73	0.32	-14.20	-4.26
422	6	-10	-15	-0.36	-0.93	-11.93	0.02	-15.56	1.53
418	6	-10	-10	-0.29	0.33	-11.70	0.16	-14.69	-0.09
414	6	-10	-5	-0.30	1.40	-11.52	0.31	-13.76	-1.43
396	6	-10	0	-0.60	2.79	-11.30	0.62	-12.27	-2.79
400	6	-10	5	-1.07	5.00	-10.96	0.90	-9.73	-5.28
404	6	-10	10	-1.80	10.72	-10.03	1.18	-5.64	-11.45
408	6	-10	15	-2.72	25.79	-7.47	1.00	4.81	-23.91
298	6	0	-15	-0.59	-3.74	-11.62	-0.91	-14.93	5.18
294	6	0	-10	-0.50	-2.01	-11.61	-0.55	-14.95	2.94
290	6	0	-5	-0.29	-0.40	-11.58	-0.24	-15.17	0.71
270	6	0	0	-0.25	1.54	-11.58	0.37	-15.04	-1.25
272	6	0	0	-0.19	1.12	-11.57	0.13	-15.13	-1.44
276	6	0	5	-0.46	2.74	-11.60	0.48	-15.21	-3.60
281	6	0	10	-0.55	4.34	-11.61	0.82	-15.09	-5.78
286	6	0	15	-0.67	6.22	-11.62	1.22	-14.71	-8.09
303	6	10	-15	-1.28	-7.36	-10.57	-1.42	-7.74	7.83
307	6	10	-10	-0.97	-3.75	-11.17	-1.08	-10.93	4.03
311	6	10	-5	-0.58	-2.17	-11.41	-0.71	-13.28	2.60
322	6	10	-5	-0.62	-2.36	-11.38	-0.87	-13.28	2.51
327	6	10	0	-0.35	-0.94	-11.60	-0.57	-14.89	1.07
331	6	10	5	-0.16	0.14	-11.77	-0.43	-15.55	-0.41
335	6	10	10	-0.26	1.34	-11.99	-0.34	-16.80	-2.16
339	6	10	15	-0.28	2.79	-12.25	-0.23	-17.43	-4.10
367	6	20	-15	-2.27	-16.72	-6.46	-0.62	0.02	14.89
363	6	20	-10	-1.68	-7.57	-9.73	-1.15	-6.25	7.07
359	6	20	-5	-1.38	-3.44	-11.20	-1.14	-10.13	2.90
343	6	20	0	-0.58	-2.51	-11.45	-0.91	-13.41	2.66
347	6	20	5	-0.39	-2.00	-11.61	-0.92	-15.39	2.32
351	6	20	10	-0.24	-1.74	-11.69	-0.94	-16.33	2.10
355	6	20	15	-0.14	-1.60	-11.73	-1.03	-16.75	1.79

* Indicates model was close to heave stop

TABLE 6.220.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2934	0	-10	-15	0.00	1.92	-11.33	0.51	-3.51	-0.59
2930	0	-10	-10	-0.02	1.94	-11.33	0.54	-3.45	-0.62
2926	0	-10	-5	-0.03	1.98	-11.32	0.57	-3.43	-0.66
2912	0	-10	0	-0.04	1.95	-11.32	0.49	-3.31	-0.56
2916	0	-10	5	-0.01	2.01	-11.31	0.58	-3.40	-0.59
2920	0	-10	10	-0.01	1.97	-11.32	0.56	-3.38	-0.58
2924	0	-10	15	-0.01	1.95	-11.32	0.51	-3.42	-0.58
2830	0	0	-15	-0.04	-0.08	-11.49	0.12	-3.89	0.00
2831	0	0	-15	-0.05	-0.08	-11.49	0.12	-3.88	0.00
2825	0	0	-10	-0.05	-0.06	-11.49	0.10	-3.78	-0.01
2821	0	0	-5	-0.05	-0.04	-11.49	0.12	-3.67	-0.01
2797	0	0	0	-0.03	0.02	-11.49	0.11	-3.61	-0.03
2802	0	0	5	-0.05	0.01	-11.49	0.11	-3.69	-0.01
2816	0	0	10	-0.07	0.07	-11.49	0.18	-3.66	0.09
2859	0	10	-15	-0.05	-2.10	-11.30	-0.38	-3.83	0.64
2855	0	10	-10	-0.06	-2.04	-11.31	-0.32	-3.90	0.67
2851	0	10	-5	-0.06	-2.03	-11.31	-0.33	-3.67	0.64
2835	0	10	0	-0.02	-2.08	-11.30	-0.37	-3.54	0.64
2839	0	10	5	-0.02	-2.05	-11.31	-0.33	-3.66	0.70
2843	0	10	10	-0.05	-2.05	-11.31	-0.34	-3.65	0.67
2847	0	10	15	-0.06	-2.06	-11.30	-0.35	-3.63	0.68
2895	0	20	-15	-0.08	-3.98	-10.78	-0.50	-3.97	1.46
2889	0	20	-10	-0.06	-3.93	-10.80	-0.44	-3.63	1.33
2891	0	20	-10	-0.07	-3.97	-10.78	-0.47	-3.60	1.33
2880	0	20	-5	-0.05	-4.00	-10.77	-0.41	-0.17	0.03
2885	0	20	-5	-0.05	-3.96	-10.79	-0.44	-3.55	1.30
2864	0	20	0	-0.04	-3.98	-10.78	-0.48	-3.44	1.24
2868	0	20	5	-0.01	-4.00	-10.77	-0.46	-3.51	1.28
2872	0	20	10	-0.03	-3.99	-10.78	-0.45	-3.53	1.30
2876	0	20	15	-0.07	-3.96	-10.79	-0.46	-3.52	1.28
3072	3	-10	-15	0.60	1.97	-11.30	0.50	-8.58	-1.47
3068	3	-10	-10	0.59	1.99	-11.30	0.55	-8.57	-1.48
3064	3	-10	-5	0.58	2.01	-11.30	0.55	-8.54	-1.47
3047	3	-10	0	0.63	1.91	-11.31	0.49	-8.42	-1.48
3051	3	-10	5	0.59	1.97	-11.30	0.52	-8.53	-1.45
3056	3	-10	10	0.59	1.98	-11.30	0.51	-8.54	-1.45
3061	3	-10	15	0.59	2.00	-11.30	0.51	-8.57	-1.47
2967	3	0	-15	0.60	-0.01	-11.47	0.15	-9.12	0.04
2962	3	0	-10	0.60	-0.02	-11.47	0.14	-9.12	0.07
2958	3	0	-5	0.59	-0.02	-11.47	0.16	-9.13	0.05
2942	3	0	0	0.61	-0.04	-11.47	0.13	-8.89	0.04
2946	3	0	5	0.60	-0.02	-11.47	0.16	-9.05	0.10
2950	3	0	10	0.58	-0.02	-11.48	0.15	-9.05	0.06
2954	3	0	15	0.57	-0.04	-11.48	0.12	-9.03	0.03

* Indicates model was close to heave stop

TABLE 6.220.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2984	3	10	-15	0.61	-2.00	-11.30	-0.19	-8.74	1.56
2980	3	10	-10	0.60	-2.04	-11.29	-0.23	-8.76	1.54
2976	3	10	-5	0.59	-2.03	-11.29	-0.25	-8.71	1.54
2972	3	10	0	0.60	-1.94	-11.31	-0.18	-8.52	1.51
2989	3	10	5	0.57	-2.02	-11.30	-0.22	-8.81	1.54
2993	3	10	10	0.59	-2.00	-11.30	-0.19	-8.81	1.58
2997	3	10	15	0.58	-2.03	-11.29	-0.25	-8.80	1.55
3042	3	20	-15	0.57	-3.94	-10.78	-0.39	-7.98	2.90
3037	3	20	-10	0.58	-3.95	-10.77	-0.41	-7.91	2.92
3033	3	20	-5	0.57	-3.94	-10.78	-0.38	-7.90	2.88
3003	3	20	0	0.58	-3.92	-10.78	-0.39	-7.93	2.89
3007	3	20	5	0.58	-3.97	-10.77	-0.44	-8.08	2.94
3024	3	20	10	0.60	-3.97	-10.77	-0.45	-7.88	2.92
3029	3	20	15	0.57	-3.99	-10.76	-0.50	-7.90	2.95
3198	6	-10	-15	1.21	2.03	-11.24	0.44	-11.96	-2.01
3194	6	-10	-10	1.21	2.03	-11.24	0.44	-11.75	-1.98
3190	6	-10	-5	1.21	2.03	-11.24	0.43	-11.94	-2.02
3186	6	-10	0	1.22	2.05	-11.24	0.42	-11.58	-1.97
3202	6	-10	5	1.20	2.03	-11.24	0.46	-11.75	-1.97
3206	6	-10	10	1.19	2.02	-11.25	0.40	-11.75	-2.00
3210	6	-10	15	1.20	2.03	-11.24	0.41	-11.66	-1.96
3106	6	0	-15	1.21	0.03	-11.43	0.19	-12.25	0.04
3101	6	0	-10	1.21	0.04	-11.43	0.21	-12.30	0.05
3097	6	0	-5	1.19	0.02	-11.43	0.19	-12.21	0.06
3079	6	0	0	1.21	0.02	-11.43	0.14	-12.17	0.01
3093	6	0	15	1.20	0.02	-11.43	0.17	-12.20	0.06
3150	6	10	-15	1.22	-1.96	-11.25	-0.07	-11.90	2.11
3146	6	10	-10	1.21	-1.95	-11.26	-0.07	-11.88	2.11
3142	6	10	-5	1.21	-1.96	-11.26	-0.06	-11.86	2.12
3125	6	10	0	1.27	-1.89	-11.26	-0.06	-11.37	2.05
3129	6	10	5	1.21	-1.97	-11.25	-0.10	-11.87	2.12
3134	6	10	10	1.20	-1.97	-11.26	-0.11	-11.79	2.11
3138	6	10	15	1.17	-1.98	-11.26	-0.11	-11.79	2.08
3168	6	20	-15	1.20	-3.85	-10.76	-0.26	-11.07	4.05
3164	6	20	-10	1.20	-3.88	-10.75	-0.29	-11.05	4.04
3160	6	20	-5	1.20	-3.85	-10.76	-0.25	-10.88	3.97
3156	6	20	0	1.23	-3.89	-10.74	-0.32	-10.73	3.93
3172	6	20	5	1.20	-3.92	-10.73	-0.33	-11.15	4.06
3176	6	20	10	1.21	-3.87	-10.75	-0.29	-10.67	3.90
3180	6	20	15	1.19	-3.85	-10.76	-0.27	-10.82	3.97

* Indicates model was close to heave stop

TABLE 6.221.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2935		0	-10	-15	-1.99	-3.60	-12.30	0.87	2.65	-6.98
2936		0	-10	-15	-1.92	-3.48	-12.28	0.86	2.56	-6.82
2931		0	-10	-10	-1.60	-0.85	-11.82	0.69	1.28	-4.20
2927		0	-10	-5	-1.41	0.86	-11.52	0.66	0.70	-2.28
2913		0	-10	0	-1.27	1.82	-11.35	0.48	0.53	-0.98
2917		0	-10	5	-1.31	2.70	-11.19	0.41	0.99	0.10
2921		0	-10	10	-1.70	4.40	-10.89	0.19	2.22	0.95
2925	*	0	-10	15	-2.18	7.63	-10.32	-0.39	4.15	2.72
2832	*	0	0	-15	-2.13	-7.21	-11.49	0.72	0.58	-8.42
2826		0	0	-10	-1.70	-3.16	-11.49	0.51	0.48	-4.49
2822		0	0	-5	-1.38	-1.22	-11.49	0.41	0.00	-2.36
2799		0	0	0	-1.33	-0.20	-11.49	0.23	0.22	-1.11
2803		0	0	5	-1.38	0.49	-11.49	0.19	0.81	-0.22
2817		0	0	10	-1.58	1.83	-11.49	0.08	2.02	0.76
2860	*	0	10	-15	-2.40	-8.33	-10.20	0.72	-0.21	-8.20
2856		0	10	-10	-1.82	-5.64	-10.67	0.24	-0.79	-5.05
2852		0	10	-5	-1.48	-3.40	-11.07	-0.01	-0.70	-2.58
2836		0	10	0	-1.30	-2.37	-11.25	-0.29	-0.27	-1.33
2840		0	10	5	-1.33	-1.50	-11.40	-0.30	0.47	-0.46
2844		0	10	10	-1.54	-0.45	-11.59	-0.25	1.58	0.22
2848		0	10	15	-1.98	1.81	-11.99	-0.34	4.10	0.97
2849		0	10	15	-1.99	1.81	-11.99	-0.31	4.08	0.96
2894	*	0	20	-15	-2.58	-10.11	-8.55	0.83	-1.70	-8.31
2890		0	20	-10	-1.89	-6.73	-9.78	0.12	-1.66	-4.20
2886		0	20	-5	-1.51	-5.28	-10.30	-0.21	-1.23	-2.50
2865		0	20	0	-1.27	-4.19	-10.70	-0.44	-0.57	-1.47
2869		0	20	5	-1.26	-3.39	-10.99	-0.55	0.10	-0.84
2873		0	20	10	-1.38	-2.26	-11.40	-0.57	1.45	-0.30
2877		0	20	15	-1.75	-0.45	-12.06	-0.51	3.42	0.20
3073		3	-10	-15	-0.91	-1.25	-11.95	0.34	-2.54	-1.74
3069		3	-10	-10	-0.78	0.51	-11.64	0.54	-3.91	-1.71
3065		3	-10	-5	-0.70	1.70	-11.42	0.60	-4.51	-1.65
3048		3	-10	0	-0.64	2.50	-11.28	0.61	-4.51	-1.71
3052		3	-10	5	-0.73	3.46	-11.11	0.59	-3.92	-1.77
3057		3	-10	10	-0.93	5.07	-10.84	0.40	-2.55	-1.98
3060		3	-10	15	-1.33	8.75	-10.21	-0.00	-0.27	-2.60
2968		3	0	-15	-1.05	-4.05	-11.56	0.01	-4.07	-1.64
2963		3	0	-10	-0.83	-1.79	-11.55	0.09	-5.13	-0.97
2959		3	0	-5	-0.76	-0.53	-11.55	0.11	-5.34	-0.79
2943		3	0	0	-0.67	0.29	-11.54	0.20	-5.14	-0.82
2947		3	0	5	-0.74	1.17	-11.54	0.27	-4.58	-0.94
2951		3	0	10	-0.92	2.51	-11.55	0.23	-3.46	-1.31
2955		3	0	15	-1.25	5.34	-11.57	0.11	-1.42	-2.28

* Indicates model was close to heave stop

TABLE 6.221.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2985	3	10	-15	-1.10	-6.08	-10.67	-0.12	-4.60	-0.82
2986	3	10	-15	-1.09	-6.07	-10.67	-0.09	-4.60	-0.89
2981	3	10	-10	-0.88	-3.77	-11.06	-0.21	-5.19	-0.18
2977	3	10	-5	-0.78	-2.63	-11.26	-0.28	-5.42	0.09
2973	3	10	0	-0.70	-1.66	-11.43	-0.20	-5.34	0.13
2990	3	10	5	-0.76	-0.96	-11.55	-0.23	-5.00	-0.14
2994	3	10	10	-0.81	0.30	-11.78	0.03	-3.94	-0.73
2998	3	10	15	-1.04	2.12	-12.11	0.05	-2.21	-1.62
3043	3	20	-15	-1.18	-7.50	-9.58	0.32	-4.39	-0.45
3038	3	20	-10	-0.86	-5.79	-10.18	-0.19	-4.96	0.61
3034	3	20	-5	-0.82	-4.29	-10.73	-0.31	-5.09	0.93
3004	3	20	0	-0.72	-3.54	-11.00	-0.46	-5.03	0.86
3008	3	20	5	-0.73	-2.65	-11.32	-0.49	-4.92	0.55
3025	3	20	10	-0.68	-1.52	-11.73	-0.46	-4.38	-0.11
3030	3	20	15	-0.82	-0.29	-12.19	-0.32	-3.07	-0.90
3199	6	-10	-15	-0.33	-0.74	-11.90	0.26	-7.81	0.59
3195	6	-10	-10	-0.31	0.48	-11.68	0.40	-8.35	-0.52
3191	6	-10	-5	-0.32	1.62	-11.48	0.49	-8.54	-1.57
3187	6	-10	0	-0.31	2.81	-11.27	0.57	-8.37	-2.52
3203	6	-10	5	-0.45	4.01	-11.07	0.64	-7.76	-3.41
3207	6	-10	10	-0.57	5.78	-10.77	0.55	-6.63	-4.80
3211	6	-10	15	-0.73	9.15	-10.20	0.38	-4.37	-7.08
3212	6	-10	15	-0.84	9.43	-10.16	0.43	-4.42	-7.20
3107	6	0	-15	-0.42	-2.67	-11.60	-0.08	-8.37	1.53
3102	6	0	-10	-0.37	-1.40	-11.59	0.04	-8.94	0.70
3098	6	0	-5	-0.37	-0.28	-11.59	0.16	-9.02	-0.12
3082	6	0	0	-0.28	0.78	-11.58	0.27	-8.89	-0.96
3085	6	0	5	-0.35	1.83	-11.59	0.37	-8.50	-1.84
3090	6	0	10	-0.49	3.32	-11.61	0.49	-7.74	-3.08
3094	6	0	15	-0.62	5.59	-11.62	0.39	-6.42	-5.08
3151	6	10	-15	-0.50	-4.81	-10.94	-0.22	-7.98	3.04
3147	6	10	-10	-0.38	-3.20	-11.21	-0.22	-8.62	2.15
3143	6	10	-5	-0.36	-2.05	-11.41	-0.11	-8.95	1.40
3126	6	10	0	-0.28	-0.97	-11.59	-0.06	-8.92	0.55
3130	6	10	5	-0.30	0.14	-11.79	0.01	-8.66	-0.71
3135	6	10	10	-0.37	1.25	-11.99	0.17	-8.06	-1.73
3139	6	10	15	-0.53	2.82	-12.29	0.32	-7.34	-3.22
3169	6	20	-15	-0.58	-7.36	-9.68	-0.15	-7.09	4.68
3165	6	20	-10	-0.50	-5.30	-10.42	-0.32	-8.05	3.66
3161	6	20	-5	-0.46	-3.98	-10.90	-0.32	-8.48	2.87
3157	6	20	0	-0.42	-2.90	-11.29	-0.38	-8.69	1.98
3173	6	20	5	-0.56	-1.52	-11.80	-0.30	-8.91	0.77
3177	6	20	10	-0.50	-0.38	-12.21	-0.13	-8.37	-0.51
3181	6	20	15	-0.49	0.64	-12.58	0.09	-8.16	-1.47

* Indicates model was close to heave stop

TABLE 6.223.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2937	*	0	-10	-15	-7.93	-21.90	-15.53	0.66	10.51	-21.57
2939	*	0	-10	-15	-7.72	-22.01	-15.55	0.82	8.88	-22.03
2932		0	-10	-10	-5.37	-9.48	-13.34	0.88	10.13	-12.94
2928		0	-10	-5	-4.37	-2.92	-12.18	0.66	7.18	-6.24
2914		0	-10	0	-4.06	1.30	-11.44	0.58	4.59	-3.33
2918		0	-10	5	-4.85	6.41	-10.54	0.10	7.41	-3.37
2922	*	0	-10	10	-6.40	17.73	-8.54	-0.86	12.38	-2.30
2833	*	0	0	-15	-7.07	-28.64	-11.49	1.42	3.23	-28.01
2828		0	0	-10	-5.84	-13.04	-11.49	1.22	2.06	-14.79
2823		0	0	-5	-4.38	-4.65	-11.49	0.67	3.37	-7.41
2800		0	0	0	-4.05	-0.69	-11.49	0.61	4.39	-4.16
2804		0	0	5	-4.53	2.82	-11.49	0.44	7.61	-2.50
2818	*	0	0	10	-6.37	13.73	-11.49	-0.32	12.98	-4.97
2857		0	10	-10	-5.68	-18.19	-8.46	1.33	-4.11	-18.06
2853		0	10	-5	-4.54	-7.44	-10.36	0.47	-1.26	-7.93
2837		0	10	0	-4.00	-2.76	-11.18	0.16	1.04	-4.47
2841		0	10	5	-4.14	0.51	-11.76	0.42	5.28	-3.05
2845		0	10	10	-4.95	5.71	-12.67	0.61	8.75	-2.76
2850	*	0	10	15	-6.86	20.33	-15.25	0.25	14.67	-4.78
2896	*	0	20	-15	-9.24	-30.73	-1.04	1.70	13.76	-32.05
2892		0	20	-10	-6.14	-15.68	-6.52	1.06	6.88	-15.63
2887		0	20	-5	-4.43	-9.60	-8.73	0.37	-2.22	-8.02
2866		0	20	0	-3.88	-4.85	-10.46	-0.20	-0.94	-4.06
2870		0	20	5	-3.79	-1.39	-11.72	-0.05	2.09	-3.58
2874		0	20	10	-3.45	1.22	-12.67	0.33	3.30	-3.45
2878		0	20	15	-3.05	3.57	-13.53	0.25	1.81	-3.55
2883		0	20	15	-3.07	3.43	-13.48	0.15	2.09	-3.53
3074		3	-10	-15	-1.66	-3.24	-12.34	-0.03	-2.99	0.02
3070		3	-10	-10	-1.70	-1.20	-11.99	0.36	-2.28	-0.52
3066		3	-10	-5	-1.79	0.70	-11.66	0.70	-1.61	-0.86
3049		3	-10	0	-2.04	3.58	-11.16	0.89	-1.51	-2.57
3053		3	-10	5	-2.61	7.35	-10.53	0.89	0.48	-4.52
3054		3	-10	5	-2.59	7.38	-10.52	0.89	0.42	-4.51
3058		3	-10	10	-3.78	16.73	-8.93	0.52	6.34	-8.30
3062	*	3	-10	15	-5.75	35.98	-5.64	-0.76	16.69	-9.34
2969		3	0	-15	-3.85	-13.86	-11.71	-0.57	2.61	-3.58
2964		3	0	-10	-2.45	-4.62	-11.63	-0.25	-2.02	-1.96
2960		3	0	-5	-2.08	-1.06	-11.61	0.07	-3.62	-1.46
2944		3	0	0	-2.00	1.03	-11.61	0.33	-3.48	-2.05
2948		3	0	5	-2.14	3.83	-11.62	0.68	-2.29	-3.35
2953		3	0	10	-2.76	8.58	-11.65	0.99	0.70	-6.27
2956		3	0	15	-4.43	20.97	-11.74	0.80	8.98	-11.43

* Indicates model was close to heave stop

TABLE 6.223.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2987	3	10	-15	-2.30	-9.31	-10.16	-0.81	4.37	0.77
2982	3	10	-10	-2.88	-7.05	-10.59	-0.38	-2.66	-0.90
2978	3	10	-5	-2.18	-2.64	-11.33	-0.37	-4.34	-0.93
2974	3	10	0	-1.89	-0.63	-11.67	-0.04	-4.55	-1.45
2991	3	10	5	-1.58	1.11	-11.96	0.36	-5.30	-1.92
2995	3	10	10	-1.55	3.19	-12.33	0.88	-6.31	-3.00
2999	3	10	15	-1.56	5.79	-12.79	1.45	-6.98	-4.71
3044	3	20	-15	-2.98	-14.13	-7.27	0.60	4.69	-0.67
3039	3	20	-10	-2.61	-9.07	-9.09	-0.18	0.39	-0.22
3035	3	20	-5	-2.30	-4.42	-10.76	-0.45	-4.34	0.62
3005	3	20	0	-1.94	-1.64	-11.75	-0.35	-5.37	-0.89
3009	3	20	5	-1.71	0.01	-12.34	-0.02	-7.15	-1.65
3026	3	20	10	-1.38	1.04	-12.70	0.06	-9.42	-2.31
3031	3	20	15	-1.19	2.19	-13.11	0.10	-12.16	-3.16
3200	6	-10	-15	-0.49	-0.99	-11.96	0.15	-13.24	1.57
3196	6	-10	-10	-0.63	0.01	-11.80	0.36	-11.66	0.33
3192	6	-10	-5	-0.64	1.13	-11.60	0.64	-9.74	-0.70
3188	6	-10	0	-1.11	3.58	-11.22	0.97	-8.17	-3.39
3204	6	-10	5	-1.49	7.17	-10.63	1.12	-6.16	-7.16
3208	6	-10	10	-1.84	13.11	-9.62	1.26	-2.50	-12.48
3213	6	-10	15	-3.00	28.05	-7.11	0.92	6.80	-21.08
3108	6	0	-15	-0.91	-2.98	-11.65	-0.43	-10.12	2.49
3103	6	0	-10	-0.63	-1.31	-11.62	-0.07	-10.49	1.03
3104	6	0	-10	-0.65	-1.33	-11.62	-0.07	-10.80	1.08
3099	6	0	-5	-0.68	0.06	-11.62	0.32	-11.07	-0.14
3081	6	0	0	-0.74	1.31	-11.63	0.62	-10.98	-1.36
3086	6	0	5	-0.82	3.07	-11.64	1.02	-10.49	-3.18
3091	6	0	10	-1.08	5.79	-11.67	1.43	-9.53	-6.16
3095	6	0	15	-1.50	11.31	-11.71	1.78	-6.51	-11.79
3152	6	10	-15	-1.45	-6.75	-10.70	-0.59	-6.42	4.86
3148	6	10	-10	-1.13	-2.95	-11.33	-0.45	-8.65	1.92
3144	6	10	-5	-0.83	-0.93	-11.66	-0.04	-10.70	0.42
3127	6	10	0	-0.71	0.37	-11.87	0.31	-12.65	-0.64
3131	6	10	5	-0.58	1.44	-12.05	0.55	-14.44	-2.07
3136	6	10	10	-0.61	2.74	-12.28	0.94	-15.83	-3.53
3140	6	10	15	-0.57	3.65	-12.44	1.03	-16.82	-4.87
3170	6	20	-15	-1.86	-12.53	-7.94	-0.19	-3.92	7.65
3166	6	20	-10	-1.48	-5.76	-10.37	-0.50	-7.19	3.83
3162	6	20	-5	-1.25	-2.27	-11.61	-0.42	-9.54	1.07
3158	6	20	0	-1.14	-0.02	-12.42	-0.24	-11.96	-0.80
3174	6	20	5	-0.92	0.10	-12.44	0.04	-14.64	-0.45
3178	6	20	10	-0.76	0.27	-12.48	0.06	-16.03	-0.63
3182	6	20	15	-0.80	0.97	-12.74	0.07	-17.68	-1.31

* Indicates model was close to heave stop

TABLE 6.224.1 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2933	0	-10	-10	-8.82	-17.04	-14.67	0.99	21.73	-23.61
2929	0	-10	-5	-6.91	-6.40	-12.80	0.71	16.78	-10.49
2915	0	-10	0	-6.13	-0.20	-11.70	0.54	11.59	-3.37
2919	0	-10	5	-8.50	10.74	-9.77	-0.00	14.52	-7.83
2829	0	0	-10	-9.78	-21.15	-11.49	1.81	7.39	-28.71
2824	0	0	-5	-6.88	-7.93	-11.49	0.95	9.58	-13.41
2801	0	0	0	-6.11	-1.90	-11.49	0.85	10.78	-6.68
2805	0	0	5	-7.16	5.26	-11.49	0.66	14.10	-5.09
2820 *	0	0	10	-9.80	22.34	-11.49	-0.20	21.74	-7.96
2858	0	10	-10	-8.90	-27.53	-6.81	2.52	-3.84	-34.43
2854	0	10	-5	-7.67	-10.67	-9.79	0.95	0.19	-15.38
2838	0	10	0	-6.11	-3.47	-11.05	0.64	5.35	-8.77
2842	0	10	5	-6.53	2.26	-12.07	1.01	9.99	-5.99
2846	0	10	10	-6.15	7.01	-12.90	1.55	11.18	-3.75
2893	0	20	-10	-10.09	-22.54	-4.02	1.66	14.77	-30.52
2888	0	20	-5	-7.16	-13.30	-7.39	0.93	-1.86	-15.60
2867	0	20	0	-6.29	-4.95	-10.43	0.19	0.26	-8.09
2871	0	20	5	-5.44	-0.22	-12.15	0.56	4.27	-6.86
2875	0	20	10	-4.19	2.30	-13.07	0.05	2.32	-5.30
2879	0	20	15	-3.65	4.61	-13.90	-0.52	-0.50	-5.02
2884	0	20	15	-3.60	4.50	-13.87	-0.54	-0.26	-4.97
3075	3	-10	-15	-2.21	-5.29	-12.73	-0.20	-6.45	1.47
3071	3	-10	-10	-2.31	-2.47	-12.24	0.39	-3.46	-0.13
3067	3	-10	-5	-2.49	0.47	-11.73	0.93	-0.54	-0.82
3050	3	-10	0	-3.03	4.38	-11.07	1.23	1.32	-2.99
3055	3	-10	5	-4.14	12.30	-9.73	1.36	5.53	-8.09
3059	3	-10	10	-6.08	28.23	-7.03	0.79	16.58	-14.42
2970	3	0	-15	-6.15	-21.61	-11.83	-1.13	8.84	-7.94
2965	3	0	-10	-3.67	-5.96	-11.70	-0.59	0.01	-3.67
2961	3	0	-5	-2.76	-1.36	-11.65	0.19	-2.72	-1.99
2945	3	0	0	-2.77	1.78	-11.65	0.55	-3.04	-2.71
2949	3	0	5	-2.91	6.07	-11.66	1.18	-1.62	-5.02
2952	3	0	10	-3.65	12.77	-11.70	1.92	1.80	-9.34
2957	3	0	15	-6.36	31.76	-11.84	1.69	16.21	-17.61

* Indicates model was close to heave stop

TABLE 6.224.2 - STABILITY DATA IN BODY AXES AT PIVOT

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2988	3	10	-15	-3.11	-13.28	-9.51	-1.08	2.61	2.67
2983	3	10	-10	-4.81	-9.46	-10.27	-0.61	0.26	-3.71
2979	3	10	-5	-3.17	-2.36	-11.44	-0.49	-3.36	-2.60
2975	3	10	0	-2.51	0.39	-11.89	0.12	-6.26	-2.20
2992	3	10	5	-1.90	2.90	-12.30	0.78	-10.69	-3.22
2996	3	10	10	-1.75	5.59	-12.76	1.37	-13.95	-5.54
3000	3	10	15	-1.47	7.65	-13.11	1.58	-17.36	-7.86
3045	3	20	-15	-3.96	-17.72	-6.01	0.77	6.65	0.79
3040	3	20	-10	-4.03	-11.49	-8.29	-0.14	5.59	-2.85
3041	3	20	-10	-4.06	-11.42	-8.31	-0.18	5.51	-2.68
3036	3	20	-5	-3.88	-3.18	-11.30	-0.48	-3.62	-2.14
3006	3	20	0	-2.71	-0.08	-12.37	-0.33	-7.12	-1.58
3010	3	20	5	-1.77	0.88	-12.66	-0.12	-11.39	-1.64
3027	3	20	10	-1.27	1.74	-12.95	-0.13	-14.35	-2.23
3028	3	20	10	-1.18	1.59	-12.89	-0.15	-14.35	-2.07
3032	3	20	15	-0.91	2.40	-13.17	-0.21	-17.04	-2.77
3201	6	-10	-15	-0.56	-1.17	-12.00	0.42	-19.06	1.79
3197	6	-10	-10	-0.88	0.15	-11.80	0.65	-17.47	0.06
3193	6	-10	-5	-0.76	1.70	-11.51	0.99	-14.63	-1.61
3189	6	-10	0	-1.37	4.15	-11.15	1.39	-10.81	-4.21
3205	6	-10	5	-1.89	9.10	-10.33	1.81	-7.56	-9.85
3209	6	-10	10	-2.18	16.86	-8.99	1.94	-2.17	-18.03
3109	6	0	-15	-0.89	-3.15	-11.65	-0.46	-16.14	3.90
3105	6	0	-10	-0.68	-1.31	-11.62	0.02	-16.87	1.88
3100	6	0	-5	-0.70	0.62	-11.63	0.55	-17.13	-0.49
3083	6	0	0	-0.70	2.50	-11.63	1.03	-16.93	-2.76
3087	6	0	5	-0.77	4.22	-11.63	1.49	-16.59	-4.86
3092	6	0	10	-0.98	6.55	-11.66	2.12	-15.54	-7.70
3096	6	0	15	-0.16	5.15	-11.57	1.57	-20.69	-7.32
3153	6	10	-15	-2.03	-7.40	-10.64	-0.96	-8.27	6.78
3149	6	10	-10	-1.23	-2.55	-11.41	-0.56	-12.16	2.45
3145	6	10	-5	-0.93	-0.66	-11.71	0.01	-16.03	1.07
3128	6	10	0	-0.62	0.92	-11.96	0.30	-18.21	-0.61
3132	6	10	5	-0.59	2.25	-12.19	0.48	-19.70	-2.56
3137	6	10	10	-0.38	3.27	-12.35	0.64	-19.87	-4.09
3141	6	10	15	-0.47	4.55	-12.58	0.80	-21.93	-5.87
3171	6	20	-15	-2.77	-17.11	-6.38	-0.27	-1.81	11.27
3167	6	20	-10	-2.03	-5.75	-10.43	-0.68	-8.45	4.88
3163	6	20	-5	-1.57	-1.10	-12.07	-0.53	-12.75	0.66
3159	6	20	0	-1.04	0.57	-12.62	-0.36	-16.25	-0.55
3175	6	20	5	-0.54	-0.56	-12.15	-0.31	-18.45	1.47
3179	6	20	10	-0.53	0.01	-12.36	-0.31	-20.37	1.04
3183	6	20	15	-0.56	0.53	-12.55	-0.29	-21.49	0.42

* Indicates model was close to heave stop

TABLE 7.100.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2112	-2	-10	0	-0.44	1.97	-11.31	1.26	22.38	3.86
2116	-2	-10	5	-0.44	1.95	-11.31	1.27	22.38	3.84
2120	-2	-10	10	-0.43	1.95	-11.31	1.27	22.35	3.81
2122	-2	-10	15	-0.44	1.91	-11.32	1.21	22.42	3.73
2059	-2	0	0	-0.44	-0.07	-11.48	-0.00	23.12	-0.12
2065	-2	0	5	-0.45	-0.08	-11.48	-0.04	23.08	-0.13
2069	-2	0	10	-0.44	-0.06	-11.48	-0.00	23.02	-0.12
2070	-2	0	15	-0.44	-0.08	-11.48	-0.04	23.03	-0.15
2074	-2	10	0	-0.44	-2.04	-11.30	-1.25	22.18	-3.93
2078	-2	10	5	-0.44	-2.02	-11.30	-1.22	22.22	-3.92
2081	-2	10	10	-0.41	-2.07	-11.29	-1.32	22.16	-4.01
2083	-2	10	15	-0.42	-2.07	-11.29	-1.32	22.17	-4.03
2090	-2	20	0	-0.40	-3.94	-10.79	-2.06	20.63	-7.42
2094	-2	20	5	-0.43	-4.01	-10.76	-2.18	20.66	-7.61
2098	-2	20	10	-0.45	-4.01	-10.76	-2.14	20.64	-7.60
2108	-2	20	12	-0.44	-3.99	-10.77	-2.12	20.65	-7.56
2101	-2	20	15	-0.43	-3.99	-10.77	-2.14	20.62	-7.56
1829	0	-10	0	0.00	1.98	-11.32	1.26	17.87	3.13
1833	0	-10	5	0.01	1.99	-11.32	1.27	17.84	3.15
1837	0	-10	10	0.00	1.99	-11.32	1.26	17.92	3.15
1843	0	-10	15	-0.00	1.99	-11.32	1.26	17.85	3.14
1760	0	0	0	0.01	0.00	-11.49	-0.03	17.83	0.01
1764	0	0	5	0.02	-0.02	-11.49	-0.06	17.82	-0.03
1768	0	0	10	0.01	-0.02	-11.49	-0.05	17.85	-0.03
1773	0	0	15	0.00	0.01	-11.49	-0.01	17.85	0.03
1779	0	10	0	0.01	-1.99	-11.32	-1.30	17.49	-3.02
1783	0	10	5	-0.02	-2.01	-11.31	-1.35	17.55	-3.12
1787	0	10	10	0.00	-2.01	-11.31	-1.37	17.57	-3.13
1792	0	10	15	-0.00	-2.01	-11.31	-1.36	17.53	-3.11
1809	0	21	0	0.11	-4.08	-10.74	-2.18	16.63	-6.23
1814	0	21	5	-0.00	-4.11	-10.73	-2.21	16.71	-6.37
1819	0	21	10	-0.02	-4.12	-10.73	-2.21	16.75	-6.43
1823	0	21	15	-0.02	-4.15	-10.71	-2.29	16.80	-6.55
1918	3	-11	0	0.69	2.23	-11.25	1.22	12.13	2.54
1922	3	-11	5	0.63	2.27	-11.25	1.26	12.16	2.63
1926	3	-11	10	0.63	2.28	-11.24	1.27	12.10	2.62
1930	3	-11	15	0.65	2.25	-11.25	1.23	12.06	2.57
1850	3	0	0	0.61	0.04	-11.47	-0.02	11.77	0.12
1854	3	0	0	0.61	0.03	-11.47	-0.02	11.81	0.09
1856	3	0	5	0.61	0.01	-11.47	-0.06	11.84	0.06
1860	3	0	10	0.62	0.03	-11.47	-0.05	11.87	0.08
1864	3	0	15	0.62	0.01	-11.47	-0.08	11.90	0.05

* Indicates model was close to heave stop

TABLE 7.100.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1880	3	10	0	0.62	-1.92	-11.31	-1.12	12.05	-1.99
1884	3	10	5	0.63	-2.03	-11.29	-1.28	12.03	-2.21
1888	3	10	10	0.63	-1.93	-11.31	-1.14	11.97	-2.01
1894	3	10	15	0.62	-1.99	-11.30	-1.21	12.11	-2.18
1900	3	21	0	0.62	-4.09	-10.72	-2.18	11.90	-4.60
1904	3	21	5	0.62	-4.09	-10.72	-2.16	11.87	-4.63
1908	3	21	10	0.62	-4.10	-10.71	-2.17	11.90	-4.65
1912	3	21	15	0.61	-4.05	-10.74	-2.10	11.90	-4.51
2022	6	-10	0	1.22	2.04	-11.24	0.99	8.82	1.86
2026	6	-10	5	1.20	2.00	-11.25	0.94	8.82	1.73
2030	6	-10	10	1.20	1.97	-11.26	0.90	8.78	1.66
2034	6	-10	15	1.22	1.97	-11.25	0.91	8.85	1.67
1963	6	0	0	1.19	0.03	-11.43	-0.04	8.84	0.13
1967	6	0	5	1.20	0.01	-11.43	-0.06	8.73	0.08
1972	6	0	10	1.21	-0.01	-11.43	-0.08	8.81	0.02
1976	6	0	15	1.20	-0.02	-11.43	-0.09	8.82	-0.02
1982	6	10	0	1.19	-1.98	-11.25	-1.05	8.91	-1.62
1986	6	10	5	1.20	-1.98	-11.25	-1.07	8.68	-1.60
1990	6	10	10	1.21	-2.00	-11.25	-1.10	8.74	-1.64
1993	6	10	10	1.21	-1.99	-11.25	-1.09	8.77	-1.68
1995	6	10	15	1.21	-1.99	-11.25	-1.10	8.73	-1.65
2002	6	20	0	1.23	-3.87	-10.75	-1.89	8.75	-3.26
2007	6	20	5	1.18	-3.88	-10.75	-1.91	8.82	-3.31
2011	6	20	10	1.19	-3.88	-10.75	-1.92	8.76	-3.28
2015	6	20	15	1.19	-3.88	-10.75	-1.91	8.74	-3.28

* Indicates model was close to heave stop

TABLE 7.101.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2113	-2	-10	0	-2.05	2.11	-11.23	1.05	26.05	5.01
2117	-2	-10	5	-2.24	3.27	-11.02	1.32	25.63	8.91
2121	-2	-10	10	-2.84	5.60	-10.59	1.89	25.41	16.28
2123 *	-2	-10	15	-3.21	8.56	-10.05	2.30	25.07	25.04
2060	-2	0	0	-2.10	-0.02	-11.42	0.17	27.06	0.00
2063	-2	0	0	-2.10	-0.03	-11.42	0.20	27.06	0.00
2066	-2	0	5	-2.24	0.96	-11.42	0.26	27.34	3.28
2068	-2	0	10	-2.56	2.60	-11.41	0.77	27.70	8.52
2071 *	-2	0	15	-3.13	5.37	-11.39	1.37	28.39	17.14
2075	-2	10	0	-2.01	-2.18	-11.22	-0.95	25.87	-5.12
2079	-2	10	5	-2.03	-1.35	-11.36	-0.81	26.86	-2.35
2082	-2	10	10	-2.22	-0.09	-11.58	-0.72	28.05	1.54
2084	-2	10	15	-2.72	2.25	-11.97	-0.16	29.96	8.65
2091	-2	20	0	-1.89	-4.08	-10.68	-1.72	23.86	-9.06
2095	-2	20	5	-2.01	-3.32	-10.95	-1.58	25.81	-6.70
2099	-2	20	10	-2.21	-2.09	-11.39	-1.18	27.94	-3.35
2102	-2	20	15	-2.20	-0.06	-12.13	-0.42	30.90	1.93
1830	0	-10	0	-1.25	1.91	-11.33	1.17	22.43	3.59
1834	0	-10	5	-1.40	2.70	-11.19	1.30	21.88	5.80
1840	0	-10	10	-1.73	4.25	-10.92	1.41	21.77	10.12
1844	0	-10	15	-2.17	7.20	-10.40	1.42	21.73	17.90
1761	0	0	0	-1.25	-0.02	-11.49	0.06	22.90	-0.05
1765	0	0	5	-1.31	0.43	-11.49	0.16	22.97	1.30
1769	0	0	10	-1.51	1.25	-11.49	0.24	23.28	3.61
1774	0	0	15	-1.95	3.26	-11.49	0.58	24.19	9.03
1780	0	10	0	-1.30	-1.96	-11.32	-1.10	22.34	-3.67
1784	0	10	5	-1.33	-1.42	-11.42	-0.97	23.09	-2.27
1788	0	10	10	-1.43	-0.69	-11.55	-0.73	23.92	-0.45
1789	0	10	10	-1.43	-0.72	-11.54	-0.73	23.81	-0.54
1793	0	10	15	-1.67	0.51	-11.76	-0.26	25.55	2.18
1810	0	21	0	-1.10	-4.16	-10.71	-2.11	20.18	-7.72
1815	0	21	5	-1.19	-3.43	-10.99	-1.98	21.64	-5.97
1820	0	21	10	-1.25	-2.28	-11.43	-1.55	23.38	-3.55
1824	0	21	15	-1.44	-0.99	-11.93	-1.07	26.06	-1.34
1919	3	-11	0	-0.55	2.14	-11.33	1.28	16.77	2.98
1923	3	-11	5	-0.67	3.00	-11.17	1.55	16.43	4.43
1927	3	-11	10	-0.81	4.27	-10.93	1.67	16.42	6.67
1931	3	-11	15	-1.05	6.87	-10.44	1.83	16.61	11.65
1851	3	0	0	-0.48	0.04	-11.53	0.07	16.75	0.12
1855	3	0	0	-0.55	0.04	-11.53	0.03	16.74	0.12
1857	3	0	5	-0.60	0.65	-11.54	0.26	16.94	0.99
1861	3	0	10	-0.70	1.52	-11.54	0.53	17.61	2.25
1865	3	0	15	-0.84	2.80	-11.55	0.84	18.87	4.26

* Indicates model was close to heave stop

TABLE 7.101.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1881	3	10	0	-0.60	-1.93	-11.37	-1.17	16.65	-2.56
1885	3	10	5	-0.56	-1.19	-11.50	-0.96	17.15	-1.49
1889	3	10	10	-0.58	-0.25	-11.67	-0.44	17.89	-0.25
1895	3	10	15	-0.69	0.70	-11.84	0.02	19.60	0.67
1901	3	21	0	-0.68	-4.08	-10.80	-2.20	15.88	-5.55
1905	3	21	5	-0.72	-2.97	-11.22	-1.93	16.94	-4.00
1909	3	21	10	-0.73	-1.72	-11.71	-1.52	18.06	-2.36
1913	3	21	15	-0.69	-0.71	-12.09	-0.90	19.72	-1.41
2023	6	-10	0	-0.43	1.79	-11.46	1.04	13.17	1.89
2027	6	-10	5	-0.45	2.82	-11.28	1.51	12.92	2.87
2031	6	-10	10	-0.51	4.17	-11.05	2.01	12.93	4.38
2035	6	-10	15	-0.55	6.32	-10.68	2.70	13.10	6.91
1964	6	0	0	-0.27	0.00	-11.58	0.05	13.24	0.10
1969	6	0	5	-0.27	0.95	-11.58	0.64	13.35	0.86
1973	6	0	10	-0.35	1.98	-11.59	1.37	13.76	1.77
1977	6	0	15	-0.40	3.22	-11.60	1.80	14.38	2.89
1983	6	10	0	-0.42	-1.69	-11.48	-0.49	13.28	-1.53
1987	6	10	5	-0.37	-0.64	-11.66	0.02	13.55	-0.57
1991	6	10	10	-0.30	0.42	-11.84	0.65	14.34	0.08
1996	6	10	15	-0.29	1.15	-11.96	0.75	14.88	0.61
2003	6	20	0	-0.44	-3.50	-11.07	-1.39	12.85	-3.42
2008	6	20	5	-0.51	-2.18	-11.56	-0.72	13.72	-2.10
2012	6	20	10	-0.47	-0.80	-12.06	-0.16	14.71	-1.09
2016	6	20	15	-0.45	-0.22	-12.26	0.07	15.47	-0.75

* Indicates model was close to heave stop

TABLE 7.103.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2114	-2	-10	0	-7.22	3.89	-10.73	1.62	23.35	9.54
2118	-2	-10	5	-8.29	10.85	-9.47	3.24	19.21	31.38
2064	-2	0	0	-6.94	0.16	-11.25	0.14	23.87	0.49
2067	-2	0	5	-7.81	6.55	-11.22	2.06	24.01	20.30
2076	-2	10	0	-6.74	-3.44	-10.83	-1.48	23.56	-8.30
2080	-2	10	5	-7.46	1.31	-11.64	-0.54	27.85	6.72
2092	-2	20	0	-6.01	-4.79	-10.27	-1.94	23.54	-9.98
2096	-2	20	5	-5.72	-0.59	-11.81	-0.44	30.83	2.35
2100	-2	20	10	-6.38	4.65	-13.69	1.06	40.70	15.88
2103	-2	20	15	-5.33	2.49	-12.94	2.27	46.31	6.36
1831	0	-10	0	-3.73	1.91	-11.33	1.14	26.70	2.59
1835	0	-10	5	-4.99	5.79	-10.65	1.91	26.36	11.84
1841	0	-10	10	-6.85	15.48	-8.94	3.48	24.79	34.87
1845	0	-10	15	-7.02	26.27	-7.03	4.63	22.81	58.22
1762	0	0	0	-3.55	0.01	-11.49	0.10	27.53	-0.11
1766	0	0	5	-4.56	2.54	-11.49	0.96	29.29	4.00
1770 *	0	0	10	-7.39	11.89	-11.49	2.99	33.38	24.18
1775 *	0	0	15	-7.80	19.75	-11.49	4.20	37.14	41.26
1781	0	10	0	-3.64	-1.90	-11.33	-1.02	26.68	-3.07
1785	0	10	5	-3.85	0.25	-11.71	0.04	31.14	0.52
1790	0	10	10	-3.96	2.00	-12.02	0.98	34.65	3.56
1794	0	10	15	-3.73	3.41	-12.27	2.08	35.61	6.15
1811	0	21	0	-3.58	-4.09	-10.74	-1.93	22.58	-7.23
1816	0	21	5	-3.60	-1.12	-11.88	-1.01	29.25	-2.23
1821	0	21	10	-2.78	-0.47	-12.13	-0.41	31.16	-1.89
1825	0	21	15	-2.19	-0.61	-12.07	-0.88	25.24	-2.41
1920	3	-11	0	-1.72	1.48	-11.53	1.15	19.63	2.19
1924	3	-11	5	-2.23	4.53	-10.96	2.12	19.11	6.23
1928	3	-11	10	-3.30	10.77	-9.80	3.50	19.78	16.08
1933	3	-11	15	-5.31	28.55	-6.46	6.97	20.41	51.81
1852	3	0	0	-1.25	-0.01	-11.57	-0.00	19.65	0.10
1858	3	0	5	-1.56	1.25	-11.59	0.75	19.64	1.46
1862	3	0	10	-1.85	3.35	-11.60	1.62	20.46	3.75
1866	3	0	15	-2.44	7.34	-11.63	2.98	22.93	8.34

* Indicates model was close to heave stop

TABLE 7.103.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1882	3	10	0	-1.65	-1.40	-11.52	-1.11	19.29	-1.78
1886	3	10	5	-1.32	-0.20	-11.72	-0.39	19.14	-0.56
1890	3	10	10	-1.03	0.39	-11.81	0.21	16.08	0.22
1891	3	10	10	-1.02	0.35	-11.80	0.18	16.03	0.12
1896	3	10	15	-0.76	0.82	-11.87	0.52	12.15	0.47
1902	3	21	0	-2.16	-3.61	-11.06	-2.17	18.81	-4.78
1906	3	21	5	-1.57	-0.86	-12.08	-1.21	19.75	-1.78
1910	3	21	10	-0.92	-0.75	-12.09	-1.03	15.66	-1.58
1914	3	21	15	-0.54	-0.85	-12.03	-1.24	11.93	-1.26
2024	6	-10	0	-0.81	0.65	-11.70	0.47	11.93	1.07
2028	6	-10	5	-1.20	2.25	-11.46	1.40	13.16	2.16
2032	6	-10	10	-1.48	5.62	-10.90	2.78	13.95	4.99
2036	6	-10	15	-1.84	12.45	-9.73	5.08	15.15	11.83
1965	6	0	0	-0.44	0.04	-11.60	0.02	10.36	0.22
1970	6	0	5	-0.31	0.43	-11.59	0.45	10.27	0.53
1974	6	0	10	-0.48	1.02	-11.60	1.10	10.67	0.89
1978	6	0	15	-0.71	2.20	-11.63	1.84	10.80	1.48
1984	6	10	0	-0.77	-0.48	-11.73	-0.04	11.43	-0.49
1988	6	10	5	-0.49	-0.15	-11.76	0.35	9.28	-0.19
1992	6	10	10	-0.31	0.13	-11.79	0.54	7.55	0.05
1997	6	10	15	-0.16	0.27	-11.80	0.55	6.70	0.13
2004	6	20	0	-1.00	-1.79	-11.76	-1.13	13.31	-1.73
2009	6	20	5	-0.72	0.28	-12.48	-0.33	11.73	-0.23
2013	6	20	10	-0.36	-0.90	-12.01	-0.69	8.76	-0.91
2017	6	20	15	-0.30	-1.02	-11.96	-0.75	7.35	-0.78

* Indicates model was close to heave stop

TABLE 7.104.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2115	-2	-10	0	-13.25	6.40	-10.08	3.32	19.18	16.02
2077	-2	10	0	-13.19	-5.56	-10.23	-2.44	19.39	-13.70
2093 *	-2	20	0	-13.60	-9.96	-8.10	-4.16	17.91	-28.37
2097 *	-2	20	5	-13.54	0.55	-11.93	-0.42	34.88	4.94
2105	-2	20	10	-11.27	4.08	-13.30	3.14	58.16	10.56
2107	-2	20	10	-13.46	15.74	-17.46	5.66	53.42	46.37
2109	-2	20	12	-6.82	2.07	-12.74	1.86	49.45	4.03
2104	-2	20	15	-4.62	0.91	-12.39	0.93	40.42	0.41
1832	0	-10	0	-6.88	1.34	-11.43	0.78	33.92	0.46
1836	0	-10	5	-10.59	10.26	-9.86	2.98	32.94	24.02
1842	0	-10	10	-11.42	24.57	-7.33	5.03	29.47	57.12
1846	0	-10	15	-11.51	44.96	-3.74	7.47	24.36	100.14
1763	0	0	0	-6.51	-0.07	-11.49	0.13	36.15	-0.41
1767	0	0	5	-8.75	3.31	-11.49	1.41	39.71	5.47
1772 *	0	0	10	-12.30	17.25	-11.49	4.27	44.45	37.36
1776 *	0	0	15	-13.34	33.24	-11.49	7.4J	49.71	69.75
1782	0	10	0	-6.76	-1.28	-11.44	-0.50	34.58	-2.09
1786	0	10	5	-5.66	0.61	-11.77	0.58	38.97	0.87
1791	0	10	10	-4.40	1.51	-11.93	1.32	35.37	2.66
1795	0	10	15	-3.19	2.39	-12.09	1.59	28.67	3.66
1812	0	21	0	-6.61	-3.71	-10.88	-1.65	28.30	-6.86
1818	0	21	5	-5.24	-0.85	-11.98	-0.60	36.80	-3.13
1822	0	21	10	-3.64	-0.86	-11.98	-0.95	28.72	-3.31
1826	0	21	15	-1.89	-1.83	-11.61	-2.06	19.70	-3.25
1921	3	-11	0	-2.27	0.96	-11.66	0.92	20.12	1.99
1925	3	-11	5	-3.54	4.88	-10.96	2.39	21.75	6.69
1929	3	-11	10	-5.37	15.59	-8.98	4.99	23.58	23.55
1934	3	-11	15	-8.45	47.64	-2.91	11.46	24.36	87.27
1853	3	0	0	-1.80	0.06	-11.60	-0.01	17.98	0.25
1859	3	0	5	-2.00	0.87	-11.61	0.72	18.18	1.26
1863	3	0	10	-2.28	2.81	-11.63	1.77	18.26	2.88
1867	3	0	15	-2.75	6.42	-11.65	3.32	20.48	6.07

* Indicates model was close to heave stop

TABLE 7.104.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1883	3	10	0	-2.18	-0.79	-11.66	-0.98	19.51	-1.43
1887	3	10	5	-1.51	-0.02	-11.76	-0.32	14.04	-0.32
1893	3	10	10	-0.94	0.32	-11.79	-0.17	10.67	0.08
1897	3	10	15	-0.72	0.45	-11.80	-0.20	9.01	0.19
1903	3	21	0	-3.23	-2.96	-11.37	-2.11	20.94	-3.84
1907	3	21	5	-1.66	-1.08	-12.00	-1.42	16.65	-1.83
1911	3	21	10	-0.89	-1.19	-11.92	-1.61	11.35	-1.24
1915	3	21	15	-0.65	-1.61	-11.74	-1.93	8.47	-1.01
2025	6	-10	0	-0.62	1.14	-11.60	0.86	7.90	1.30
2029	6	-10	5	-1.21	1.81	-11.54	1.28	10.04	1.78
2033	6	-10	10	-1.80	5.17	-11.01	2.92	12.20	3.92
2037	6	-10	15	-2.41	13.44	-9.62	5.88	14.79	10.51
1966	6	0	0	-0.24	0.19	-11.58	0.10	4.98	0.33
1971	6	0	5	-0.25	0.61	-11.58	0.55	5.26	0.53
1975	6	0	10	-0.28	1.06	-11.58	1.08	5.30	0.73
1979	6	0	15	-0.43	1.55	-11.60	1.74	5.53	0.97
1985	6	10	0	-0.68	-0.84	-11.66	-0.47	7.37	-0.44
1989	6	10	5	-0.41	-0.58	-11.67	-0.22	6.24	-0.17
1994	6	10	10	-0.27	-0.38	-11.69	-0.37	5.43	0.03
1998	6	10	15	-0.17	-0.23	-11.71	-0.21	5.06	0.12
2005	6	20	0	-1.25	-1.18	-12.01	-1.07	11.29	-1.19
2010	6	20	5	-0.70	-0.24	-12.29	-0.63	8.79	-0.43
2014	6	20	10	-0.33	-1.54	-11.77	-1.56	5.93	-0.57
2018	6	20	15	-0.21	-1.80	-11.66	-1.33	5.31	-0.57

* Indicates model was close to heave stop

TABLE 7.110.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
753	0	-10	-15	-0.01	2.30	-11.26	1.49	17.80	3.80
749	0	-10	-10	-0.03	2.12	-11.29	1.30	17.88	3.40
745	0	-10	-5	-0.03	2.04	-11.31	1.22	17.89	3.24
732	0	-10	0	-0.03	2.12	-11.29	1.33	17.90	3.42
736	0	-10	5	0.00	2.08	-11.30	1.26	17.85	3.32
740	0	-10	10	0.00	2.01	-11.31	1.14	17.77	3.22
664	0	0	-10	-0.05	0.08	-11.49	-0.10	17.94	0.14
660	0	0	-5	-0.03	0.05	-11.49	-0.08	17.97	0.11
643	0	0	0	-0.06	0.03	-11.49	-0.10	18.00	0.06
645	0	0	0	-0.09	0.05	-11.49	-0.06	18.19	0.08
647	0	0	0	-0.08	0.03	-11.49	-0.07	18.20	0.06
648	0	0	0	-0.06	0.05	-11.49	-0.04	18.10	0.10
653	0	0	5	-0.03	0.06	-11.49	-0.03	17.96	0.12
656	0	0	10	-0.02	0.05	-11.49	-0.05	17.87	0.11
668	0	10	-10	-0.04	-1.89	-11.33	-1.33	17.85	-2.95
689	0	10	-10	-0.05	-2.00	-11.32	-1.53	17.85	-3.12
685	0	10	-5	-0.03	-1.95	-11.32	-1.43	17.84	-3.07
672	0	10	5	-0.01	-1.94	-11.33	-1.42	17.74	-3.03
676	0	10	10	-0.00	-1.93	-11.33	-1.39	17.66	-2.99
681	0	10	15	0.00	-1.93	-11.33	-1.40	17.60	-2.98
728	0	20	-10	-0.05	-4.00	-10.77	-2.42	17.01	-6.23
724	0	20	-5	-0.04	-3.85	-10.82	-2.24	17.15	-6.10
706	0	20	0	-0.03	-3.84	-10.83	-2.18	17.06	-6.03
707	0	20	0	-0.03	-3.84	-10.83	-2.19	17.07	-6.03
711	0	20	5	-0.04	-3.89	-10.81	-2.25	17.03	-6.10
715	0	20	10	-0.02	-3.85	-10.83	-2.20	16.97	-5.98
720	0	20	15	-0.00	-3.84	-10.83	-2.21	16.95	-5.98
883	3	-10	-15	0.59	1.99	-11.30	1.05	12.43	2.19
887	3	-10	-10	0.63	2.04	-11.29	1.09	12.22	2.28
891	3	-10	-5	0.60	2.02	-11.29	1.07	12.17	2.23
895	3	-10	0	0.58	1.99	-11.30	1.01	12.26	2.18
899	3	-10	5	0.61	2.06	-11.29	1.10	12.15	2.30
903	3	-10	10	0.59	2.01	-11.30	1.03	12.17	2.21
907	3	-10	15	0.61	2.02	-11.29	1.03	11.99	2.21
802	3	0	-15	0.59	0.03	-11.47	-0.11	12.12	-0.03
798	3	0	-10	0.59	0.05	-11.47	-0.09	11.84	0.02
794	3	0	-5	0.58	0.01	-11.48	-0.11	12.04	-0.05
759	3	0	0	0.61	0.08	-11.47	-0.07	12.04	0.11
763	3	0	5	0.62	0.10	-11.47	-0.05	11.95	0.13
767	3	0	10	0.62	0.02	-11.47	-0.06	11.84	-0.03
790	3	0	10	0.60	0.04	-11.47	-0.09	11.91	0.03
771	3	0	15	0.64	0.04	-11.47	-0.11	11.66	0.02
786	3	0	15	0.61	0.05	-11.47	-0.10	11.96	0.05

* Indicates model was close to heave stop

TABLE 7.110.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
836	3	10	-15	0.58	-2.00	-11.30	-1.29	12.09	-2.27
832	3	10	-10	0.60	-1.94	-11.31	-1.24	12.13	-2.17
828	3	10	-5	0.61	-1.99	-11.30	-1.29	12.09	-2.26
811	3	10	0	0.61	-1.92	-11.31	-1.22	11.90	-2.08
816	3	10	5	0.62	-1.95	-11.31	-1.26	11.93	-2.14
820	3	10	10	0.63	-1.96	-11.30	-1.24	11.90	-2.13
824	3	10	15	0.62	-1.96	-11.30	-1.25	11.89	-2.15
875	3	20	-15	0.59	-3.89	-10.80	-2.16	12.06	-4.48
870	3	20	-10	0.60	-3.88	-10.80	-2.06	12.08	-4.47
853	3	20	-5	0.61	-3.96	-10.77	-2.26	11.92	-4.65
867	3	20	-5	0.60	-3.81	-10.82	-2.09	12.09	-4.33
841	3	20	0	0.56	-4.00	-10.76	-2.22	11.95	-4.73
845	3	20	5	0.60	-4.01	-10.75	-2.30	11.85	-4.69
849	3	20	10	0.62	-3.99	-10.76	-2.28	11.83	-4.66
878	3	20	15	0.64	-3.92	-10.78	-2.22	11.68	-4.39
1053	6	-10	-15	1.22	2.01	-11.25	0.92	8.06	1.50
1049	6	-10	-10	1.23	2.06	-11.24	0.96	7.94	1.57
1044	6	-10	-5	1.21	2.09	-11.23	0.97	8.08	1.62
1011	6	-10	0	1.22	2.00	-11.25	0.86	8.75	1.62
1033	6	-10	0	1.21	2.01	-11.25	0.90	8.55	1.60
1040	6	-10	5	1.24	2.03	-11.24	0.92	8.16	1.58
1015	6	-10	10	1.24	2.01	-11.24	0.86	8.42	1.58
1019	6	-10	15	1.22	1.95	-11.26	0.79	8.31	1.44
1035	6	-10	15	1.24	2.05	-11.24	0.92	8.37	1.65
937	6	0	-15	1.21	-0.01	-11.43	-0.13	8.57	-0.12
933	6	0	-10	1.21	0.00	-11.43	-0.12	8.54	-0.11
929	6	0	-5	1.21	-0.03	-11.43	-0.16	8.49	-0.21
912	6	0	0	1.17	-0.05	-11.43	-0.20	8.63	-0.18
917	6	0	5	1.22	-0.04	-11.42	-0.19	8.35	-0.15
921	6	0	10	1.22	-0.02	-11.42	-0.16	8.56	-0.13
925	6	0	15	1.25	0.06	-11.42	-0.13	8.40	0.03
978	6	10	-15	1.21	-1.98	-11.25	-1.11	8.38	-1.69
974	6	10	-10	1.21	-1.94	-11.26	-1.09	8.37	-1.65
970	6	10	-5	1.23	-1.90	-11.26	-1.03	8.55	-1.55
954	6	10	0	1.23	-1.92	-11.26	-1.03	8.33	-1.55
958	6	10	5	1.20	-1.99	-11.25	-1.16	8.30	-1.69
962	6	10	10	1.22	-2.00	-11.25	-1.15	8.46	-1.72
966	6	10	15	1.25	-1.96	-11.25	-1.16	8.29	-1.61
1002	6	20	-15	1.21	-3.89	-10.74	-1.99	8.42	-3.31
998	6	20	-10	1.22	-3.87	-10.75	-1.98	8.47	-3.32
994	6	20	-5	1.22	-3.89	-10.74	-2.00	8.65	-3.41
982	6	20	0	1.22	-3.91	-10.74	-1.99	8.61	-3.41
986	6	20	5	1.22	-3.88	-10.75	-1.98	8.61	-3.36
990	6	20	10	1.23	-3.88	-10.75	-2.02	8.54	-3.33
1006	6	20	15	1.23	-3.94	-10.72	-2.07	8.28	-3.37

* Indicates model was close to heave stop

TABLE 7.111.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
754	0	-10	-15	-1.91	-0.06	-11.68	1.01	25.78	-1.92
750	0	-10	-10	-1.61	0.75	-11.53	0.92	24.34	-0.01
746	0	-10	-5	-1.46	1.48	-11.41	1.06	23.53	1.94
733	0	-10	0	-1.40	2.08	-11.30	1.18	22.97	3.65
737	0	-10	5	-1.47	2.79	-11.18	1.19	22.57	5.58
741	0	-10	10	-1.85	4.28	-10.91	0.73	22.83	9.75
665	0	0	-10	-1.82	-1.26	-11.49	-0.06	23.65	-4.19
661	0	0	-5	-1.52	-0.50	-11.49	0.03	23.29	-1.74
649	0	0	0	-1.37	0.14	-11.49	0.07	23.33	0.05
652	0	0	5	-1.37	0.54	-11.49	0.12	23.36	1.27
657	0	0	10	-1.56	1.16	-11.49	0.01	23.74	3.06
690	0	10	-10	-1.93	-4.23	-10.92	-1.12	21.20	-10.72
686	0	10	-5	-1.55	-2.63	-11.20	-1.31	21.75	-6.12
669	0	10	0	-1.45	-1.88	-11.34	-1.17	22.43	-3.95
673	0	10	5	-1.41	-1.34	-11.43	-1.12	23.31	-2.55
677	0	10	10	-1.49	-0.69	-11.55	-0.93	24.14	-0.76
682	0	10	15	-1.71	0.35	-11.73	-0.67	25.44	1.70
729	0	20	-10	-1.85	-7.26	-9.58	-2.33	17.35	-16.74
725	0	20	-5	-1.45	-4.80	-10.48	-2.14	19.36	-10.47
708	0	20	0	-1.29	-3.91	-10.80	-2.14	20.55	-8.00
712	0	20	5	-1.32	-3.18	-11.07	-2.04	21.84	-6.09
716	0	20	10	-1.31	-2.11	-11.46	-1.73	23.44	-3.74
721	0	20	15	-1.38	-0.92	-11.89	-1.29	24.78	-1.31
884	3	-10	-15	-0.73	-0.54	-11.82	-0.08	20.34	-0.90
888	3	-10	-10	-0.59	0.53	-11.62	0.47	18.46	0.46
892	3	-10	-5	-0.62	1.45	-11.46	0.87	17.58	1.66
896	3	-10	0	-0.64	2.21	-11.33	1.14	17.15	2.85
900	3	-10	5	-0.70	3.11	-11.17	1.43	16.96	4.31
904	3	-10	10	-0.87	4.57	-10.92	1.53	17.29	6.68
908	3	-10	15	-1.19	7.45	-10.43	1.61	18.04	11.80
803	3	0	-15	-0.86	-2.27	-11.55	-0.95	19.12	-3.97
799	3	0	-10	-0.76	-1.22	-11.55	-0.58	17.83	-2.15
795	3	0	-5	-0.65	-0.38	-11.54	-0.29	17.31	-0.80
760	3	0	0	-0.53	0.26	-11.53	0.01	17.12	0.18
764	3	0	5	-0.63	1.03	-11.54	0.35	17.33	1.30
768	3	0	10	-0.76	1.95	-11.55	0.66	18.26	2.52
809	3	0	10	-0.75	2.03	-11.55	0.63	18.23	2.74
772	3	0	15	-0.95	3.71	-11.56	0.91	19.83	5.19
789	3	0	15	-0.92	3.65	-11.55	0.93	19.75	5.15

* Indicates model was close to heave stop

TABLE 7.111.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
837	3	10	-15	-1.03	-5.61	-10.75	-1.68	16.51	-9.82
833	3	10	-10	-0.78	-3.34	-11.14	-1.53	16.36	-5.38
840	3	10	-10	-1.01	-3.84	-11.06	-2.00	16.27	-6.33
830	3	10	-5	-0.68	-2.33	-11.31	-1.37	16.41	-3.53
812	3	10	0	-0.64	-1.58	-11.44	-1.12	16.83	-2.31
813	3	10	0	-0.61	-1.58	-11.44	-1.09	16.76	-2.29
817	3	10	5	-0.57	-0.91	-11.55	-0.88	17.15	-1.31
821	3	10	10	-0.59	0.04	-11.72	-0.46	18.09	-0.20
825	3	10	15	-0.69	1.18	-11.93	0.10	19.71	1.11
876	3	20	-15	-1.14	-9.11	-8.99	-2.46	13.24	-16.10
871	3	20	-10	-0.87	-6.02	-10.10	-2.41	14.56	-9.94
854	3	20	-5	-0.78	-4.57	-10.62	-2.34	15.30	-7.12
842	3	20	0	-0.77	-3.60	-10.98	-2.13	16.12	-5.34
846	3	20	5	-0.76	-2.58	-11.35	-1.96	16.95	-3.82
850	3	20	10	-0.78	-1.30	-11.82	-1.49	18.22	-2.14
879	3	20	15	-0.74	-0.25	-12.19	-0.86	19.55	-0.90
1054	6	-10	-15	-0.30	-1.23	-11.98	-0.43	15.36	-0.96
1050	6	-10	-10	-0.33	-0.14	-11.79	0.13	14.07	-0.19
1045	6	-10	-5	-0.41	1.14	-11.57	0.70	13.38	0.89
1012	6	-10	0	-0.41	2.14	-11.40	0.98	13.43	1.95
1034	6	-10	0	-0.35	2.16	-11.39	0.96	13.29	1.94
1039	6	-10	5	-0.48	3.22	-11.21	1.24	13.10	2.97
1016	6	-10	10	-0.57	4.97	-10.92	1.73	13.31	5.04
1020	6	-10	15	-0.73	7.89	-10.42	2.27	13.77	8.56
1038	6	-10	15	-0.64	7.87	-10.41	2.40	13.36	8.53
938	6	0	-15	-0.40	-2.88	-11.60	-1.31	14.43	-2.92
934	6	0	-10	-0.34	-1.79	-11.59	-0.90	13.90	-1.82
930	6	0	-5	-0.35	-0.77	-11.59	-0.58	13.47	-1.08
913	6	0	0	-0.34	0.31	-11.59	-0.00	13.26	-0.01
918	6	0	5	-0.35	1.33	-11.59	0.36	13.59	0.96
922	6	0	10	-0.40	2.36	-11.59	0.75	14.21	1.86
926	6	0	15	-0.49	4.11	-11.60	1.25	14.99	3.62
979	6	10	-15	-0.48	-5.43	-10.83	-2.12	12.79	-6.13
975	6	10	-10	-0.44	-3.60	-11.14	-1.73	12.62	-3.96
971	6	10	-5	-0.33	-2.26	-11.37	-1.20	12.74	-2.29
955	6	10	0	-0.36	-1.22	-11.55	-0.81	12.90	-1.22
959	6	10	5	-0.37	-0.21	-11.73	-0.53	13.41	-0.41
963	6	10	10	-0.31	0.70	-11.89	-0.10	14.35	0.12
967	6	10	15	-0.28	1.60	-12.04	0.30	14.86	0.91
1003	6	20	-15	-0.60	-8.51	-9.27	-2.93	10.75	-10.47
999	6	20	-10	-0.49	-5.97	-10.18	-2.57	11.58	-6.94
995	6	20	-5	-0.40	-4.38	-10.75	-2.26	12.18	-4.90
983	6	20	0	-0.37	-3.09	-11.21	-1.86	12.78	-3.34
987	6	20	5	-0.39	-1.64	-11.74	-1.39	13.61	-1.86
991	6	20	10	-0.39	-0.47	-12.17	-0.94	14.56	-0.97
1007	6	20	15	-0.44	-0.01	-12.34	-0.65	15.20	-0.70

* Indicates model was close to heave stop

TABLE 7.113.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
755	0	-10	-15	-4.47	-2.84	-12.17	-1.22	39.41	-6.80
758	0	-10	-15	-4.41	-2.93	-12.18	-1.42	39.31	-7.12
751	0	-10	-10	-4.79	-2.13	-12.04	-0.69	37.77	-5.49
747	0	-10	-5	-4.29	-0.24	-11.71	0.22	32.47	-1.85
734	0	-10	0	-4.11	2.24	-11.27	1.15	28.62	2.29
738	0	-10	5	-5.45	6.44	-10.53	1.72	29.52	10.74
742	0	-10	10	-7.24	18.18	-8.46	3.17	29.10	34.70
666 *	0	0	-10	-7.50	-10.34	-11.49	-2.03	31.61	-25.33
662	0	0	-5	-4.80	-2.22	-11.49	-0.68	29.41	-4.96
650	0	0	0	-3.82	0.36	-11.49	0.17	28.28	-0.20
654	0	0	5	-4.89	3.19	-11.49	0.82	31.31	4.52
658 *	0	0	10	-7.10	11.85	-11.49	2.45	35.45	19.64
691 *	0	10	-10	-7.56	-15.52	-8.93	-2.36	21.25	-39.47
687	0	10	-5	-4.93	-5.16	-10.76	-1.66	24.27	-12.11
670	0	10	0	-3.82	-1.97	-11.32	-1.13	25.71	-3.78
674	0	10	5	-3.96	0.15	-11.69	-0.32	30.52	-0.26
678	0	10	10	-4.41	2.99	-12.19	0.90	34.86	4.17
683	0	10	15	-3.88	3.87	-12.35	1.99	34.97	6.03
730 *	0	20	-10	-7.47	-21.03	-4.57	-4.18	6.38	-54.16
726	0	20	-5	-4.71	-8.31	-9.20	-2.54	16.55	-20.49
709	0	20	0	-3.61	-4.13	-10.72	-2.14	21.60	-8.61
713	0	20	5	-3.75	-0.96	-11.88	-1.29	27.71	-2.49
717	0	20	10	-2.98	-0.23	-12.14	-0.48	28.96	-1.71
718	0	20	10	-2.94	-0.34	-12.11	-0.58	28.68	-1.92
722	0	20	15	-2.21	-0.12	-12.18	-0.81	24.40	-1.60
885	3	-10	-15	-0.87	-0.87	-11.88	-0.75	15.50	-0.78
889	3	-10	-10	-1.09	-0.23	-11.78	-0.25	19.11	0.02
893	3	-10	-5	-1.42	0.42	-11.69	0.43	21.92	0.92
897	3	-10	0	-1.84	2.23	-11.39	1.25	21.02	2.59
901	3	-10	5	-2.23	5.67	-10.80	2.28	20.95	7.07
905	3	-10	10	-3.41	13.68	-9.45	4.05	22.71	18.42
909 *	3	-10	15	-5.83	31.34	-6.47	6.39	26.77	51.02
804	3	0	-15	-2.12	-5.11	-11.62	-2.62	22.42	-6.43
800	3	0	-10	-1.86	-2.42	-11.60	-1.56	21.35	-3.16
796	3	0	-5	-1.57	-0.70	-11.59	-0.65	20.86	-0.94
761	3	0	0	-1.43	0.43	-11.58	0.22	20.20	0.34
806	3	0	0	-1.42	0.39	-11.58	0.10	20.85	0.27
765	3	0	5	-1.70	2.27	-11.59	1.15	20.57	2.34
807	3	0	5	-1.73	2.10	-11.60	0.91	21.12	2.11
769	3	0	10	-2.05	5.17	-11.61	2.19	21.98	5.44
808	3	0	10	-2.05	5.02	-11.61	1.97	22.39	5.27
773	3	0	15	-2.88	11.44	-11.66	3.97	26.28	12.69
788	3	0	15	-2.59	10.47	-11.64	3.63	25.51	11.31

* Indicates model was close to heave stop

TABLE 7.113.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
838	3	10	-15	-4.45	-20.18	-8.36	-5.20	19.48	-36.30
834	3	10	-10	-2.64	-6.60	-10.66	-2.58	19.29	-10.26
831	3	10	-5	-1.93	-2.89	-11.28	-1.73	18.78	-4.05
814	3	10	0	-1.55	-0.59	-11.66	-0.79	19.44	-1.24
818	3	10	5	-1.27	0.11	-11.77	-0.14	18.49	-0.23
822	3	10	10	-0.94	0.69	-11.86	0.42	14.88	0.42
826	3	10	15	-0.59	0.99	-11.89	0.60	11.12	0.51
877 *	3	20	-15	-5.67	-33.22	-0.47	-6.56	-0.59	-70.09
872	3	20	-10	-3.30	-12.52	-7.87	-3.63	13.27	-22.20
855	3	20	-5	-2.46	-5.75	-10.29	-2.66	16.64	-8.75
868	3	20	-5	-2.36	-5.51	-10.37	-2.65	16.68	-8.28
843	3	20	0	-1.97	-2.42	-11.47	-1.89	18.19	-3.70
847	3	20	5	-1.23	-0.47	-12.14	-1.00	17.77	-1.25
851	3	20	10	-0.84	-0.30	-12.18	-0.95	13.74	-0.92
880	3	20	15	-0.47	-0.77	-11.99	-1.41	10.51	-1.17
1055	6	-10	-15	-0.25	-0.73	-11.89	-0.67	6.93	-0.71
1051	6	-10	-10	-0.45	-0.46	-11.86	-0.40	8.90	-0.44
1047	6	-10	-5	-0.74	-0.10	-11.83	-0.19	11.70	-0.16
1013	6	-10	0	-0.87	0.95	-11.66	0.70	13.59	0.87
1057	6	-10	0	-0.94	0.84	-11.68	0.59	13.51	0.68
1041	6	-10	5	-1.26	3.67	-11.22	1.53	13.95	2.72
1017	6	-10	10	-1.74	8.89	-10.35	3.30	15.18	7.55
1021	6	-10	15	-2.50	20.39	-8.40	6.29	17.52	20.76
1037	6	-10	15	-2.14	19.46	-8.53	6.04	17.15	19.66
939	6	0	-15	-0.70	-1.86	-11.63	-1.62	11.28	-1.54
935	6	0	-10	-0.44	-0.76	-11.60	-0.90	11.23	-0.79
931	6	0	-5	-0.43	-0.37	-11.60	-0.47	11.05	-0.49
914	6	0	0	-0.37	0.06	-11.59	-0.01	10.74	-0.14
919	6	0	5	-0.46	0.54	-11.60	0.52	10.98	0.44
923	6	0	10	-0.66	1.68	-11.62	1.13	10.99	1.01
927	6	0	15	-0.89	3.49	-11.65	1.94	11.62	2.01
980	6	10	-15	-1.52	-8.45	-10.40	-3.69	14.31	-8.11
976	6	10	-10	-1.29	-3.66	-11.22	-2.15	13.46	-3.45
972	6	10	-5	-0.94	-1.02	-11.65	-1.14	12.76	-1.29
956	6	10	0	-0.58	-0.46	-11.71	-0.64	10.47	-0.77
960	6	10	5	-0.40	-0.07	-11.76	-0.33	8.23	-0.45
964	6	10	10	-0.23	0.22	-11.79	-0.09	6.54	-0.16
968	6	10	15	-0.14	0.35	-11.81	-0.07	5.72	-0.08
1004	6	20	-15	-2.12	-17.92	-6.01	-5.19	10.17	-22.03
1000	6	20	-10	-1.72	-8.63	-9.34	-3.62	12.60	-9.49
996	6	20	-5	-1.33	-3.55	-11.15	-2.14	13.35	-3.81
984	6	20	0	-0.85	-0.56	-12.19	-1.23	12.60	-0.96
988	6	20	5	-0.34	-0.62	-12.11	-1.06	9.47	-0.86
992	6	20	10	-0.18	-0.84	-12.01	-1.27	7.56	-0.88
1008	6	20	15	-0.08	-1.10	-11.90	-1.57	6.17	-0.90

* Indicates model was close to heave stop

TABLE 7.114.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
756	0	-10	-15	-3.84	-2.36	-12.08	-1.37	34.23	-4.56
757	0	-10	-15	-3.82	-2.37	-12.09	-1.45	34.13	-4.60
752	0	-10	-10	-5.32	-1.66	-11.96	-0.84	42.46	-4.13
748	0	-10	-5	-7.02	-1.24	-11.89	-0.62	44.93	-4.24
735	0	-10	0	-7.37	1.41	-11.42	0.67	37.03	-0.47
739	0	-10	5	-11.25	12.28	-9.50	3.10	36.85	20.44
743	0	-10	10	-11.95	28.55	-6.63	4.73	36.08	55.66
667 *	0	0	-10	-12.56	-16.80	-11.49	-4.60	41.76	-43.49
663	0	0	-5	-9.51	-3.19	-11.49	-1.05	40.36	-8.30
651	0	0	0	-6.92	0.21	-11.49	0.21	37.00	-1.07
655	0	0	5	-7.48	4.23	-11.49	1.17	40.17	5.65
659 *	0	0	10	-11.88	17.54	-11.49	3.47	47.43	30.12
692 *	0	10	-10	-13.02	-25.21	-7.22	-3.76	22.03	-67.82
688 *	0	10	-5	-11.55	-10.57	-9.80	-2.73	29.34	-29.91
671	0	10	0	-7.01	-1.81	-11.35	-1.41	32.05	-3.38
675	0	10	5	-6.33	0.78	-11.80	0.21	38.61	0.19
679	0	10	10	-4.63	1.55	-11.94	1.33	34.45	2.13
680	0	10	10	-4.54	1.47	-11.93	1.31	34.17	2.00
684	0	10	15	-3.54	2.76	-12.15	1.96	28.82	3.88
731 *	0	20	-10	-12.68	-33.45	-0.05	-5.61	-0.52	-90.95
727 *	0	20	-5	-11.46	-15.57	-6.56	-4.00	14.45	-46.24
710	0	20	0	-6.61	-4.35	-10.64	-2.14	25.16	-10.76
714	0	20	5	-5.38	-0.73	-11.96	-0.90	32.40	-3.31
719	0	20	10	-3.51	-0.72	-11.96	-1.20	26.15	-3.03
723	0	20	15	-1.85	-1.82	-11.56	-2.25	18.31	-3.10
886	3	-10	-15	-0.84	-0.67	-11.85	-0.50	11.23	-0.50
890	3	-10	-10	-1.13	-0.22	-11.78	-0.44	13.79	0.09
894	3	-10	-5	-1.94	0.24	-11.74	0.23	19.70	0.68
898	3	-10	0	-2.42	1.94	-11.47	1.30	22.86	2.45
902	3	-10	5	-3.61	7.43	-10.57	3.01	24.40	8.70
906	3	-10	10	-6.05	22.35	-8.06	6.45	29.06	30.42
910 *	3	-10	15	-10.10	53.55	-2.78	12.23	35.43	89.27
805	3	0	-15	-2.65	-4.76	-11.64	-3.19	19.99	-5.19
801	3	0	-10	-2.37	-2.02	-11.63	-1.81	19.58	-2.64
797	3	0	-5	-1.94	-0.59	-11.61	-0.70	19.74	-0.88
762	3	0	0	-1.95	0.38	-11.61	0.31	19.71	0.51
793	3	0	0	-1.92	0.16	-11.61	0.03	20.38	0.22
766	3	0	5	-2.34	2.07	-11.63	1.37	19.27	2.09
792	3	0	5	-2.21	1.78	-11.62	1.01	19.62	1.76
770	3	0	10	-2.69	5.06	-11.65	2.73	20.41	4.78
791	3	0	10	-2.59	4.65	-11.64	2.27	20.77	4.21
774	3	0	15	-3.74	12.65	-11.70	5.13	26.05	12.32
787	3	0	15	-3.27	11.25	-11.68	4.52	24.67	10.33

* Indicates model was close to heave stop

TABLE 7.114.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
839	3	10	-15	-9.76	-43.36	-4.56	-13.28	22.81	-87.39
835	3	10	-10	-4.30	-8.41	-10.43	-3.49	22.13	-13.01
829	3	10	-5	-3.08	-2.36	-11.43	-1.91	20.83	-3.80
815	3	10	0	-1.98	-0.36	-11.73	-0.65	17.46	-0.96
819	3	10	5	-1.27	0.15	-11.78	-0.17	12.63	-0.36
823	3	10	10	-0.92	0.38	-11.80	-0.20	9.93	-0.10
827	3	10	15	-0.65	0.53	-11.81	-0.25	8.49	0.00
873	3	20	-10	-5.94	-20.46	-5.13	-5.44	11.84	-38.41
874	3	20	-10	-5.89	-20.08	-5.26	-5.14	11.99	-37.68
869	3	20	-5	-4.01	-6.01	-10.28	-3.02	19.17	-10.09
844	3	20	0	-2.92	-1.54	-11.85	-2.13	18.60	-3.18
848	3	20	5	-1.41	-0.86	-12.01	-1.45	14.18	-1.54
852	3	20	10	-0.85	-1.24	-11.84	-1.82	9.51	-1.20
881	3	20	15	-0.41	-1.69	-11.65	-2.26	6.93	-1.07
1056	6	-10	-15	-0.22	-0.36	-11.82	-0.15	4.21	-1.04
1052	6	-10	-10	-0.38	-0.07	-11.78	0.01	5.39	-0.53
1048	6	-10	-5	-0.63	0.32	-11.74	0.19	6.76	0.03
1014	6	-10	0	-0.96	0.91	-11.67	0.74	9.62	0.62
1043	6	-10	0	-0.92	0.64	-11.72	0.49	9.04	0.45
1042	6	-10	5	-1.47	3.22	-11.32	1.59	11.47	2.12
1018	6	-10	10	-2.34	9.60	-10.29	3.80	14.51	6.91
1022	6	-10	15	-3.56	26.85	-7.38	8.33	18.90	23.94
1036	6	-10	15	-2.90	25.05	-7.62	7.75	18.44	21.60
940	6	0	-15	-0.38	-1.38	-11.59	-1.57	5.71	-1.13
936	6	0	-10	-0.30	-0.88	-11.58	-1.03	5.43	-0.89
932	6	0	-5	-0.32	-0.29	-11.59	-0.48	5.33	-0.48
915	6	0	0	-0.35	0.33	-11.59	0.18	5.40	0.05
916	6	0	0	-0.31	0.28	-11.59	0.10	5.22	-0.08
920	6	0	5	-0.29	0.75	-11.58	0.63	5.42	0.24
924	6	0	10	-0.39	1.21	-11.59	1.13	5.63	0.47
928	6	0	15	-0.50	1.87	-11.61	1.65	6.30	0.76
981	6	10	-15	-1.96	-7.89	-10.55	-4.10	13.13	-6.25
977	6	10	-10	-1.45	-3.03	-11.35	-2.38	10.80	-2.64
973	6	10	-5	-0.79	-1.15	-11.61	-1.44	8.40	-1.28
957	6	10	0	-0.52	-0.92	-11.63	-1.32	6.07	-1.06
961	6	10	5	-0.33	-0.73	-11.64	-1.23	5.21	-0.86
965	6	10	10	-0.18	-0.47	-11.67	-1.12	4.46	-0.55
969	6	10	15	-0.04	-0.27	-11.69	-1.08	3.85	-0.37
1005	6	20	-15	-3.55	-26.84	-2.92	-7.54	9.57	-31.78
1001	6	20	-10	-2.49	-9.74	-9.03	-4.17	12.80	-9.33
997	6	20	-5	-1.68	-2.76	-11.48	-2.21	12.23	-2.89
985	6	20	0	-1.07	0.07	-12.44	-1.43	10.07	-0.58
989	6	20	5	-0.31	-1.36	-11.83	-1.86	6.23	-0.84
993	6	20	10	-0.08	-1.63	-11.71	-2.06	4.81	-0.68
1010	6	20	10	-0.08	-1.91	-11.61	-2.30	4.72	-1.13
1009	6	20	15	-0.01	-1.96	-11.58	-2.39	3.74	-0.70

* Indicates model was close to heave stop

TABLE 7.120.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2471	0	-10	-15	-0.04	1.91	-11.33	1.33	18.11	3.02
2462	0	-10	-10	-0.01	1.94	-11.33	1.33	18.11	3.10
2458	0	-10	-5	-0.04	1.95	-11.32	1.34	18.17	3.09
2427	0	-10	0	0.12	1.92	-11.33	1.25	18.46	3.08
2431	0	-10	5	0.02	1.96	-11.32	1.31	18.15	3.19
2435	0	-10	10	0.01	1.96	-11.32	1.33	18.14	3.15
2454	0	-10	15	-0.03	1.92	-11.33	1.29	18.24	3.04
2348	0	0	-15	-0.02	-0.08	-11.49	0.00	18.10	-0.14
2344	0	0	-10	-0.03	-0.09	-11.49	-0.00	18.18	-0.15
2340	0	0	-5	-0.04	-0.09	-11.49	0.01	18.23	-0.12
2315	0	0	0	-0.03	-0.04	-11.49	0.04	18.30	-0.07
2329	0	0	5	-0.04	-0.04	-11.49	0.03	18.30	-0.06
2336	0	0	10	-0.04	-0.05	-11.49	0.02	18.30	-0.07
2395	0	10	-10	-0.07	-2.16	-11.29	-1.39	17.71	-3.39
2390	0	10	-5	-0.05	-2.10	-11.30	-1.36	17.86	-3.31
2373	0	10	0	0.05	-2.06	-11.30	-1.24	18.25	-3.30
2378	0	10	5	-0.08	-2.08	-11.30	-1.30	18.00	-3.30
2382	0	10	10	-0.08	-2.04	-11.31	-1.25	17.95	-3.24
2386	0	10	15	-0.09	-2.05	-11.31	-1.32	17.97	-3.24
2422	0	20	-15	-0.05	-4.00	-10.77	-2.10	16.92	-6.29
2419	0	20	-10	-0.06	-4.02	-10.76	-2.11	16.99	-6.36
2415	0	20	-5	-0.05	-4.02	-10.76	-2.12	17.04	-6.37
2399	0	20	0	-0.03	-3.98	-10.78	-2.07	17.21	-6.30
2403	0	20	0	-0.07	-4.01	-10.77	-2.12	17.11	-6.36
2407	0	20	10	-0.07	-3.99	-10.78	-2.08	17.15	-6.33
2411	0	20	15	-0.07	-4.00	-10.77	-2.10	17.11	-6.32
2599	3	-10	-15	0.62	1.98	-11.30	1.21	12.08	2.20
2595	3	-10	-10	0.60	1.97	-11.30	1.20	12.17	2.18
2590	3	-10	-5	0.50	1.96	-11.31	1.10	12.42	2.16
2585	3	-10	0	0.59	1.98	-11.30	1.21	12.21	2.24
2603	3	-10	5	0.58	2.01	-11.30	1.25	12.21	2.28
2607	3	-10	10	0.58	2.00	-11.30	1.23	12.14	2.24
2611	3	-10	15	0.58	2.00	-11.30	1.23	12.13	2.24
2501	3	0	-15	0.61	0.01	-11.47	0.11	12.01	0.03
2497	3	0	-10	0.58	-0.01	-11.48	0.10	12.07	0.01
2493	3	0	-5	0.59	0.03	-11.47	0.10	12.02	0.08
2477	3	0	0	0.58	-0.03	-11.48	0.05	12.09	-0.02
2481	3	0	5	0.54	-0.02	-11.48	0.09	12.08	0.01
2485	3	0	10	0.55	0.00	-11.48	0.11	12.10	0.05
2489	3	0	15	0.55	0.00	-11.48	0.09	12.10	0.04

* Indicates model was close to heave stop

TABLE 7.120.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2535	3	10	-15	0.58	-1.98	-11.30	-1.01	12.15	-2.20
2519	3	10	-10	0.58	-1.97	-11.30	-1.01	12.11	-2.14
2515	3	10	-5	0.55	-1.99	-11.30	-1.04	12.19	-2.18
2507	3	10	0	0.56	-1.96	-11.31	-1.02	12.17	-2.12
2511	3	10	5	0.54	-1.96	-11.31	-1.00	12.20	-2.10
2540	3	10	10	0.59	-1.93	-11.31	-0.99	11.97	-2.04
2545	3	10	15	0.55	-1.95	-11.31	-1.01	12.08	-2.08
2578	3	20	-15	0.60	-3.92	-10.78	-1.93	11.92	-4.43
2574	3	20	-10	0.57	-3.92	-10.79	-1.90	12.02	-4.44
2570	3	20	-5	0.56	-3.93	-10.78	-1.93	11.98	-4.45
2566	3	20	0	0.60	-3.89	-10.80	-1.88	12.00	-4.36
2561	3	20	5	0.55	-3.90	-10.79	-1.90	12.06	-4.40
2556	3	20	10	0.55	-3.90	-10.79	-1.92	12.07	-4.39
2552	3	20	15	0.59	-3.85	-10.81	-1.87	12.03	-4.31
3309	6	-10	-15	1.25	2.00	-11.24	1.11	8.55	1.70
3305	6	-10	-10	1.25	2.01	-11.24	1.09	8.57	1.74
3301	6	-10	-5	1.21	1.97	-11.25	1.07	8.50	1.61
3284	6	-10	0	1.19	2.04	-11.24	1.09	8.90	1.83
3288	6	-10	5	1.24	2.01	-11.24	1.10	8.60	1.74
3293	6	-10	10	1.22	2.02	-11.24	1.12	8.58	1.74
3297	6	-10	15	1.20	2.07	-11.24	1.16	8.56	1.85
2658	6	0	-15	1.22	0.01	-11.42	0.09	8.63	0.13
2654	6	0	-10	1.20	0.04	-11.43	0.18	8.59	0.11
2650	6	0	-5	1.20	0.02	-11.43	0.11	8.70	0.13
2615	6	0	0	1.18	0.03	-11.43	0.14	8.67	0.09
2620	6	0	5	1.20	0.03	-11.43	0.15	8.57	0.12
2642	6	0	10	1.10	0.07	-11.44	0.13	9.01	0.19
2646	6	0	15	1.19	0.07	-11.43	0.16	8.70	0.20
2688	6	10	-15	1.21	-1.95	-11.26	-0.85	8.79	-1.49
2683	6	10	-10	1.20	-1.96	-11.26	-0.85	8.72	-1.53
2679	6	10	-5	1.20	-1.95	-11.26	-0.85	8.79	-1.51
2663	6	10	0	1.19	-1.83	-11.28	-0.73	8.76	-1.22
2667	6	10	5	1.18	-1.94	-11.26	-0.81	8.67	-1.50
2671	6	10	10	1.20	-1.96	-11.26	-0.88	8.73	-1.47
2675	6	10	15	1.19	-1.95	-11.26	-0.89	8.74	-1.47
2701	6	20	-15	1.19	-3.89	-10.75	-1.70	8.87	-3.37
2705	6	20	-5	1.19	-3.87	-10.75	-1.67	8.87	-3.30
2695	6	20	0	1.22	-3.89	-10.74	-1.73	8.94	-3.38
2709	6	20	0	1.17	-3.87	-10.75	-1.71	8.88	-3.30
2713	6	20	5	1.16	-3.85	-10.76	-1.67	8.88	-3.26
2717	6	20	10	1.17	-3.84	-10.76	-1.66	8.93	-3.27
2735	6	20	10	1.19	-3.89	-10.75	-1.77	8.91	-3.33
2738	6	20	15	1.18	-3.90	-10.74	-1.77	8.88	-3.31

* Indicates model was close to heave stop

TABLE 7.121.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2472	0	-10	-15	-1.87	-0.99	-11.84	0.28	26.16	-4.40
2463	0	-10	-10	-1.62	0.30	-11.61	0.69	24.81	-1.30
2459	0	-10	-5	-1.49	1.20	-11.45	0.99	24.00	1.04
2428	0	-10	0	-0.91	1.84	-11.34	1.07	22.85	2.91
2432	0	-10	5	-1.37	2.54	-11.22	1.19	23.32	4.72
2436	0	-10	10	-1.71	4.13	-10.94	1.16	24.05	8.57
2455 *	0	-10	15	-2.66	7.76	-10.30	1.10	25.39	17.43
2349	0	0	-15	-2.20	-4.40	-11.49	-0.34	23.19	-13.43
2345	0	0	-10	-1.72	-1.86	-11.49	-0.13	22.95	-5.99
2341	0	0	-5	-1.54	-0.84	-11.49	-0.03	23.08	-2.91
2316	0	0	0	-1.41	-0.19	-11.49	-0.00	23.58	-0.93
2318	0	0	0	-1.38	-0.16	-11.49	0.05	23.51	-0.90
2330	0	0	5	-1.44	0.32	-11.49	0.05	23.88	0.47
2335	0	0	10	-1.65	1.06	-11.49	0.10	24.67	2.47
2396	0	10	-10	-1.89	-5.02	-10.78	-1.45	19.96	-12.91
2391	0	10	-5	-1.54	-3.08	-11.12	-1.37	21.25	-7.53
2374	0	10	0	-1.07	-2.16	-11.29	-1.19	21.89	-4.71
2379	0	10	5	-1.42	-1.61	-11.38	-1.07	23.36	-3.42
2383	0	10	10	-1.59	-0.80	-11.53	-0.79	24.86	-1.48
2387	0	10	15	-1.79	0.30	-11.72	-0.49	26.44	1.12
2423 *	0	20	-15	-2.62	-12.86	-7.55	-2.82	10.30	-32.78
2420	0	20	-10	-1.79	-7.79	-9.39	-2.40	15.43	-18.63
2416	0	20	-5	-1.48	-5.20	-10.33	-2.21	18.27	-11.65
2400	0	20	0	-1.17	-3.97	-10.78	-1.99	19.94	-8.37
2404	0	20	5	-1.32	-3.27	-11.04	-1.94	21.29	-6.77
2408	0	20	10	-1.38	-2.17	-11.44	-1.58	22.98	-4.42
2412	0	20	15	-1.53	-0.97	-11.88	-1.13	25.26	-1.93
2600	3	-10	-15	-0.78	-0.52	-11.82	0.12	20.53	-1.08
2596	3	-10	-10	-0.70	0.72	-11.59	0.73	18.58	0.32
2591	3	-10	-5	-0.75	1.55	-11.45	0.94	18.04	1.48
2586	3	-10	0	-0.60	2.26	-11.32	1.23	17.34	2.64
2604	3	-10	5	-0.75	3.33	-11.14	1.62	17.52	4.34
2608	3	-10	10	-0.93	4.81	-10.88	1.71	18.17	6.66
2612	3	-10	15	-1.41	8.19	-10.31	1.93	19.68	12.23
2502	3	0	-15	-0.80	-1.98	-11.55	-0.68	18.01	-3.69
2498	3	0	-10	-0.73	-1.07	-11.54	-0.39	17.29	-2.12
2494	3	0	-5	-0.66	-0.28	-11.54	-0.09	16.98	-0.83
2478	3	0	0	-0.59	0.28	-11.54	0.10	17.09	-0.02
2482	3	0	5	-0.74	1.04	-11.54	0.46	17.67	1.03
2486	3	0	10	-0.84	2.15	-11.55	0.77	18.69	2.54
2490	3	0	15	-1.07	3.98	-11.56	1.12	20.69	5.14

* Indicates model was close to heave stop

TABLE 7.121.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2536	3	10	-15	-0.88	-5.11	-10.83	-1.40	15.29	-9.19
2520	3	10	-10	-0.80	-3.30	-11.14	-1.28	15.63	-5.66
2516	3	10	-5	-0.76	-2.25	-11.33	-1.15	16.06	-3.63
2508	3	10	0	-0.70	-1.50	-11.46	-0.89	16.57	-2.41
2512	3	10	5	-0.71	-0.75	-11.59	-0.58	17.28	-1.34
2541	3	10	10	-0.75	0.21	-11.76	-0.18	18.08	-0.12
2546	3	10	15	-0.90	1.39	-11.98	0.34	19.97	1.10
2579	3	20	-15	-1.05	-9.08	-9.00	-2.30	11.55	-16.52
2575	3	20	-10	-0.84	-5.77	-10.19	-2.06	13.68	-9.70
2571	3	20	-5	-0.81	-4.29	-10.73	-2.00	14.87	-6.78
2567	3	20	0	-0.81	-3.35	-11.07	-1.78	15.86	-5.20
2562	3	20	5	-0.82	-2.21	-11.48	-1.51	16.91	-3.50
2557	3	20	10	-0.85	-1.18	-11.86	-1.14	17.90	-2.07
2558	3	20	10	-0.85	-1.16	-11.87	-1.08	17.89	-2.05
2553	3	20	15	-0.81	-0.31	-12.18	-0.55	18.73	-1.06
3310	6	-10	-15	-0.26	-0.78	-11.90	-0.07	15.27	-0.52
3306	6	-10	-10	-0.24	0.28	-11.71	0.43	14.23	0.25
3302	6	-10	-5	-0.35	1.43	-11.52	0.91	13.45	1.03
3285	6	-10	0	-0.46	2.55	-11.33	1.29	13.29	2.20
3289	6	-10	5	-0.45	3.78	-11.11	1.77	13.34	3.57
3294	6	-10	10	-0.61	5.72	-10.79	2.24	13.74	5.70
3298	6	-10	15	-0.77	8.79	-10.26	2.91	14.32	9.43
2659	6	0	-15	-0.35	-2.27	-11.59	-0.81	14.01	-2.17
2655	6	0	-10	-0.32	-1.19	-11.59	-0.37	13.45	-1.18
2651	6	0	-5	-0.26	-0.15	-11.58	0.06	13.21	-0.23
2616	6	0	0	-0.29	0.71	-11.58	0.35	13.08	0.39
2621	6	0	5	-0.31	1.68	-11.59	0.79	13.63	1.23
2643	6	0	10	-0.36	2.87	-11.59	1.21	14.34	2.34
2647	6	0	15	-0.57	4.82	-11.61	1.85	15.35	4.16
2689	6	10	-15	-0.44	-4.56	-10.97	-1.62	12.43	-5.05
2684	6	10	-10	-0.46	-2.99	-11.25	-1.26	12.49	-3.21
2680	6	10	-5	-0.46	-1.90	-11.45	-0.85	12.82	-2.00
2664	6	10	0	-0.45	-0.78	-11.64	-0.39	13.13	-0.77
2668	6	10	5	-0.44	0.16	-11.81	-0.08	13.59	-0.17
2672	6	10	10	-0.40	1.05	-11.96	0.34	14.51	0.50
2676	6	10	15	-0.39	1.78	-12.09	0.70	15.03	1.02
2702	6	20	-15	-0.49	-7.27	-9.71	-2.32	10.67	-8.93
2696	6	20	-10	-0.39	-5.24	-10.43	-2.07	11.41	-6.10
2697	6	20	-10	-0.46	-5.28	-10.42	-2.07	11.41	-6.18
2706	6	20	-5	-0.46	-3.89	-10.93	-1.75	12.04	-4.35
2710	6	20	0	-0.46	-2.48	-11.44	-1.35	12.82	-2.77
2714	6	20	5	-0.47	-1.09	-11.95	-0.89	13.67	-1.38
2718	6	20	10	-0.42	-0.29	-12.24	-0.40	14.50	-0.87
2739	6	20	15	-0.38	-0.07	-12.31	-0.20	14.65	-0.66

* Indicates model was close to heave stop

TABLE 7.123.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2473	0	-10	-15	-4.89	-4.54	-12.47	-2.31	42.06	-11.19
2464	0	-10	-10	-5.37	-3.18	-12.23	-1.23	40.02	-8.57
2470	0	-10	-10	-5.28	-3.15	-12.22	-1.30	39.78	-8.50
2460	0	-10	-5	-4.73	-0.87	-11.82	-0.13	33.99	-4.17
2429	0	-10	0	-3.80	1.79	-11.35	0.94	29.53	1.00
2433	0	-10	5	-5.79	6.79	-10.47	1.89	32.07	9.06
2437 *	0	-10	10	-7.94	20.33	-8.08	4.37	31.98	36.05
2457 *	0	-10	15	-8.41	32.39	-5.96	5.47	33.79	60.73
2350 *	0	0	-15	-8.96	-24.14	-11.49	-5.04	29.98	-65.55
2346	0	0	-10	-6.58	-8.95	-11.49	-2.02	30.28	-24.17
2342	0	0	-5	-4.92	-2.92	-11.49	-0.87	28.30	-7.83
2319	0	0	0	-4.16	-0.03	-11.49	0.11	28.17	-1.81
2320	0	0	0	-3.98	-0.10	-11.49	0.04	27.86	-1.86
2331	0	0	5	-4.91	3.01	-11.49	0.77	31.60	2.90
2332	0	0	5	-4.92	3.01	-11.49	0.79	31.56	2.88
2337 *	0	0	10	-7.66	15.95	-11.49	3.63	36.54	23.47
2338 *	0	0	10	-7.77	15.95	-11.49	3.68	36.78	23.38
2397 *	0	10	-10	-8.08	-20.12	-8.12	-4.20	11.32	-56.83
2392	0	10	-5	-5.14	-5.86	-10.63	-1.66	20.52	-14.97
2375	0	10	0	-4.07	-2.06	-11.30	-0.85	24.27	-4.97
2380	0	10	5	-4.27	0.18	-11.70	-0.11	29.30	-0.85
2384	0	10	10	-4.66	3.38	-12.26	1.20	34.09	3.59
2388	0	10	15	-3.92	3.37	-12.26	2.21	33.16	4.68
2421 *	0	20	-10	-8.23	-25.02	-3.12	-5.20	-4.62	-70.51
2417	0	20	-5	-5.07	-9.20	-8.88	-2.56	12.18	-23.59
2401	0	20	0	-4.20	-4.20	-10.70	-1.85	20.05	-9.62
2405	0	20	5	-3.88	-0.91	-11.89	-0.96	24.65	-2.33
2409	0	20	10	-3.19	0.19	-12.30	-0.10	25.71	-1.24
2413	0	20	15	-2.55	0.23	-12.31	-0.52	23.01	-1.13
2601	3	-10	-15	-1.02	-0.64	-11.85	-0.27	17.64	-0.70
2597	3	-10	-10	-1.37	-0.24	-11.80	0.18	21.42	-0.33
2592	3	-10	-5	-1.61	0.32	-11.71	0.70	23.04	0.52
2587	3	-10	0	-1.95	2.91	-11.27	1.74	21.57	2.84
2605	3	-10	5	-2.60	7.25	-10.54	2.92	22.37	7.85
2609	3	-10	10	-3.91	15.60	-9.14	4.74	25.52	18.89
2613 *	3	-10	15	-6.90	36.02	-5.70	8.56	33.09	55.44
2503	3	0	-15	-2.39	-4.46	-11.63	-2.12	22.05	-6.77
2499	3	0	-10	-2.10	-2.01	-11.62	-1.11	20.94	-3.28
2495	3	0	-5	-1.79	-0.55	-11.60	-0.31	20.40	-1.19
2479	3	0	0	-1.69	0.81	-11.59	0.50	20.25	0.27
2483	3	0	5	-2.02	2.88	-11.61	1.45	20.83	2.31
2487	3	0	10	-2.43	6.49	-11.63	2.74	22.82	5.95
2491	3	0	15	-3.16	12.98	-11.67	4.59	27.27	13.09

* Indicates model was close to heave stop

TABLE 7.123.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2537	3	10	-15	-3.97	-17.03	-8.89	-3.84	15.35	-34.16
2521	3	10	-10	-2.88	-5.82	-10.81	-2.03	17.29	-10.27
2517	3	10	-5	-2.37	-2.27	-11.41	-1.18	17.86	-3.45
2509	3	10	0	-1.87	-0.19	-11.75	-0.29	18.39	-0.85
2513	3	10	5	-1.51	0.44	-11.84	0.43	16.79	0.06
2542	3	10	10	-1.13	1.04	-11.93	0.99	12.92	0.83
2547	3	10	15	-0.87	1.19	-11.94	0.96	9.63	0.77
2580	3	20	-15	-4.37	-29.17	-1.87	-4.92	-4.65	-64.71
2576	3	20	-10	-3.00	-9.83	-8.83	-2.50	11.73	-18.76
2572	3	20	-5	-2.51	-4.57	-10.72	-2.02	15.59	-7.41
2568	3	20	0	-2.08	-1.58	-11.79	-1.16	16.40	-2.44
2563	3	20	5	-1.25	-0.15	-12.26	-0.50	14.97	-0.65
2564	3	20	5	-1.22	-0.10	-12.27	-0.49	14.98	-0.59
2559	3	20	10	-0.90	-0.14	-12.24	-0.62	11.65	-0.42
2554	3	20	15	-0.66	-0.59	-12.07	-1.06	9.05	-0.48
3311	6	-10	-15	-0.34	-0.40	-11.84	-0.21	8.07	-0.36
3307	6	-10	-10	-0.50	-0.07	-11.80	0.09	10.29	-0.01
3303	6	-10	-5	-0.67	0.51	-11.71	0.68	12.65	0.78
3286	6	-10	0	-1.12	2.36	-11.44	1.53	13.61	1.67
3291	6	-10	5	-1.57	5.79	-10.88	2.82	14.28	4.42
3295	6	-10	10	-2.00	12.32	-9.77	4.82	15.76	10.37
3299	6	-10	15	-2.73	25.38	-7.55	8.31	18.78	25.95
2660	6	0	-15	-0.59	-1.03	-11.62	-0.85	10.88	-0.87
2656	6	0	-10	-0.32	-0.39	-11.59	-0.26	10.49	-0.39
2652	6	0	-5	-0.39	0.05	-11.59	0.24	10.18	0.04
2617	6	0	0	-0.62	0.43	-11.62	0.69	10.39	0.38
2618	6	0	0	-0.48	0.46	-11.60	0.69	10.18	0.45
2622	6	0	5	-0.54	1.11	-11.61	1.21	9.99	0.77
2644	6	0	10	-0.68	2.29	-11.62	1.86	10.07	1.44
2648	6	0	15	-0.92	4.05	-11.65	2.66	10.81	2.41
2690	6	10	-15	-1.39	-5.13	-10.98	-2.12	13.61	-5.08
2685	6	10	-10	-1.14	-1.67	-11.56	-1.05	12.76	-1.81
2681	6	10	-5	-0.98	0.10	-11.85	-0.24	11.53	-0.26
2665	6	10	0	-0.57	-0.07	-11.78	0.04	9.01	-0.18
2669	6	10	5	-0.56	0.35	-11.85	0.44	6.77	0.27
2673	6	10	10	-0.46	0.43	-11.86	0.42	5.86	0.35
2677	6	10	15	-0.37	0.66	-11.89	0.50	4.78	0.61
2703	6	20	-15	-2.16	-14.17	-7.38	-3.77	8.99	-18.65
2698	6	20	-10	-1.75	-5.69	-10.42	-2.32	12.23	-6.83
2707	6	20	-5	-1.42	-1.63	-11.86	-1.12	12.72	-2.08
2711	6	20	0	-0.97	0.69	-12.66	-0.33	11.04	0.15
2715	6	20	5	-0.63	-0.24	-12.28	-0.54	7.71	0.03
2719	6	20	10	-0.37	-0.65	-12.10	-0.84	6.40	-0.15
2740	6	20	15	-0.30	-0.83	-12.03	-1.06	5.32	-0.02

* Indicates model was close to heave stop

TABLE 7.124.1 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2474	0	-10	-15	-5.11	-5.16	-12.58	-3.38	47.35	-12.46
2468	0	-10	-10	-8.13	-4.77	-12.51	-2.46	55.07	-14.10
2469	0	-10	-10	-8.24	-4.88	-12.53	-2.53	55.32	-14.31
2461	0	-10	-5	-7.31	-2.13	-12.04	-1.00	48.43	-7.30
2430	0	-10	0	-5.92	1.00	-11.49	0.59	38.03	-0.95
2434	0	-10	5	-10.68	13.11	-9.36	3.67	40.09	16.18
2352	0	0	-15	-14.46	-37.24	-11.49	-7.24	38.41	-105.13
2347	0	0	-10	-10.15	-12.88	-11.49	-2.90	39.76	-36.61
2343	0	0	-5	-7.95	-4.10	-11.49	-1.42	37.42	-12.02
2322	0	0	0	-5.88	-0.32	-11.49	0.17	34.77	-3.02
2323	0	0	0	-5.89	-0.21	-11.49	0.31	35.18	-2.83
2324	0	0	0	-5.67	-0.19	-11.49	0.19	34.80	-2.73
2326	0	0	0	-5.86	-0.21	-11.49	0.17	34.92	-2.86
2327	0	0	0	-6.05	-0.31	-11.49	0.16	34.95	-3.03
2328	0	0	0	-5.79	-0.42	-11.49	0.07	34.88	-3.16
2333	0	0	5	-7.77	5.41	-11.49	1.62	40.07	4.05
2339 *	0	0	10	-11.79	25.04	-11.49	6.40	46.80	35.50
2394	0	10	-5	-8.61	-8.55	-10.16	-2.09	22.88	-25.12
2376	0	10	0	-6.43	-1.64	-11.38	-0.48	27.69	-5.05
2377	0	10	0	-6.57	-1.65	-11.38	-0.56	28.15	-5.11
2381	0	10	5	-6.62	1.59	-11.95	0.78	36.31	0.32
2385	0	10	10	-5.30	3.31	-12.25	2.29	37.28	3.73
2389	0	10	15	-3.51	3.41	-12.27	2.78	29.39	4.69
2418	0	20	-5	-8.75	-13.74	-7.23	-3.02	6.30	-40.79
2402	0	20	0	-6.81	-3.73	-10.87	-1.43	21.64	-11.24
2406	0	20	5	-5.56	1.57	-12.80	0.02	27.30	1.91
2410	0	20	10	-3.64	1.03	-12.60	-0.37	24.41	0.41
2414	0	20	15	-1.98	-0.56	-12.02	-1.66	18.02	-1.23
2602	3	-10	-15	-0.78	-1.11	-11.92	-0.34	11.27	-1.03
2598	3	-10	-10	-1.30	-0.59	-11.86	0.10	17.73	-0.61
2593	3	-10	-5	-1.95	-0.04	-11.79	0.71	24.79	0.07
2588	3	-10	0	-2.52	3.26	-11.24	2.17	24.67	2.93
2606	3	-10	5	-3.86	10.97	-9.95	4.38	26.67	11.35
2610	3	-10	10	-5.90	24.75	-7.63	7.40	32.30	29.49
2504	3	0	-15	-3.41	-5.28	-11.68	-2.88	23.31	-8.06
2500	3	0	-10	-2.95	-1.57	-11.66	-1.27	22.24	-3.37
2496	3	0	-5	-2.41	-0.10	-11.63	-0.24	22.40	-0.94
2480	3	0	0	-2.14	1.12	-11.62	0.87	21.04	0.70
2484	3	0	5	-2.49	3.94	-11.64	2.25	20.48	3.23
2488	3	0	10	-3.02	8.18	-11.66	3.93	22.39	7.12
2492	3	0	15	-3.67	15.62	-11.70	6.26	27.07	14.12

* Indicates model was close to heave stop

TABLE 7.124.2 - STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2538	3	10	-15	-6.33	-28.48	-7.00	-6.41	16.31	-59.28
2522	3	10	-10	-4.80	-7.62	-10.60	-2.45	20.06	-16.44
2518	3	10	-5	-3.80	-0.66	-11.77	-0.73	20.57	-2.61
2510	3	10	0	-2.04	0.68	-11.91	0.24	16.53	0.62
2514	3	10	5	-1.18	1.34	-11.98	0.97	9.96	1.38
2543	3	10	10	-0.80	1.53	-12.00	0.90	6.54	1.56
2544	3	10	10	-0.73	1.38	-11.97	0.79	6.85	1.40
2548	3	10	15	-0.64	1.48	-11.98	0.63	5.19	1.59
2549	3	10	15	-0.64	1.44	-11.97	0.60	5.11	1.46
2577	3	20	-10	-4.74	-14.13	-7.37	-2.87	9.74	-30.45
2573	3	20	-5	-3.94	-3.63	-11.14	-1.72	17.08	-8.01
2569	3	20	0	-2.89	0.87	-12.72	-0.45	16.46	0.43
2565	3	20	5	-0.95	-0.10	-12.26	-0.81	10.74	0.16
2560	3	20	10	-0.53	-0.43	-12.12	-1.29	6.42	0.71
2555	3	20	15	-0.21	-1.13	-11.85	-1.80	4.31	0.61
3312	6	-10	-15	-0.31	-0.59	-11.87	-0.02	1.47	-1.18
3308	6	-10	-10	-0.29	-0.04	-11.77	0.30	3.68	-0.41
3304	6	-10	-5	-0.64	0.49	-11.71	0.87	6.84	0.43
3287	6	-10	0	-1.48	2.25	-11.49	1.83	9.98	1.32
3292	6	-10	5	-1.97	6.64	-10.77	3.48	11.89	4.46
3296	6	-10	10	-2.61	15.49	-9.28	6.18	15.01	11.52
2661	6	0	-15	-0.07	-0.77	-11.56	-0.77	4.08	-0.30
2657	6	0	-10	-0.19	-0.14	-11.57	-0.08	3.31	0.27
2653	6	0	-5	-0.22	0.32	-11.58	0.43	3.07	0.53
2619	6	0	0	-0.35	0.80	-11.59	1.03	2.88	0.72
2623	6	0	5	-0.29	1.35	-11.58	1.64	2.67	1.13
2645	6	0	10	-0.36	2.25	-11.59	2.38	2.80	1.57
2649	6	0	15	-0.55	3.16	-11.61	3.08	3.51	1.91
2691	6	10	-15	-1.69	-5.50	-10.94	-2.53	11.22	-4.24
2743	6	10	-15	-1.70	-5.29	-10.98	-2.47	11.35	-4.00
2686	6	10	-10	-1.26	-0.85	-11.72	-0.91	8.88	-0.45
2687	6	10	-10	-1.33	-0.80	-11.73	-0.87	8.92	-0.35
2682	6	10	-5	-0.64	0.23	-11.84	-0.16	5.42	0.65
2666	6	10	0	-0.10	0.18	-11.77	-0.07	2.98	0.84
2670	6	10	5	-0.15	0.36	-11.81	0.01	2.08	1.07
2674	6	10	10	-0.23	0.67	-11.87	0.11	0.82	1.43
2678	6	10	15	0.01	0.61	-11.84	0.02	0.68	1.27
2704	6	20	-15	-3.39	-21.63	-4.80	-5.40	6.32	-28.80
2699	6	20	-10	-2.36	-5.73	-10.47	-2.38	11.06	-5.96
2700	6	20	-10	-2.45	-5.63	-10.52	-2.38	11.08	-5.96
2708	6	20	-5	-1.59	0.23	-12.56	-0.68	10.16	0.21
2712	6	20	0	-0.96	1.85	-13.08	-0.35	7.48	1.71
2716	6	20	5	-0.30	-0.21	-12.25	-1.05	3.01	1.62
2737	6	20	5	-0.10	-0.52	-12.12	-1.14	3.53	0.98
2736	6	20	10	0.04	-0.74	-12.02	-1.50	1.68	1.44
2741	6	20	15	0.12	-1.20	-11.85	-1.62	1.37	1.14

* Indicates model was close to heave stop

TABLE 7.200.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1708	-2	-10	0	-0.46	1.95	-11.31	1.06	21.39	3.66
1712	-2	-10	5	-0.43	1.99	-11.31	1.14	21.35	3.74
1715	-2	-10	10	-0.42	1.95	-11.31	1.10	21.39	3.68
1717	-2	-10	15	-0.42	1.96	-11.31	1.08	21.37	3.67
1644	-2	0	0	-0.43	-0.04	-11.48	-0.03	21.91	-0.05
1649	-2	0	5	-0.43	-0.02	-11.48	-0.02	21.87	-0.03
1652	-2	0	10	-0.44	-0.03	-11.48	-0.02	21.84	-0.05
1655	-2	0	15	-0.45	-0.04	-11.48	-0.02	21.79	-0.07
1659	-2	10	0	-0.44	-2.04	-11.30	-1.16	21.22	-3.76
1663	-2	10	5	-0.43	-2.01	-11.30	-1.14	21.20	-3.71
1682	-2	10	10	-0.44	-2.08	-11.29	-1.21	21.20	-3.86
1687	-2	10	15	-0.44	-2.01	-11.30	-1.13	21.12	-3.72
1691	-2	20	0	-0.44	-3.96	-10.78	-1.96	19.92	-7.23
1695	-2	20	5	-0.45	-3.97	-10.77	-1.95	19.97	-7.27
1700	-2	20	10	-0.43	-3.96	-10.78	-1.95	19.94	-7.25
1702	-2	20	15	-0.43	-3.93	-10.79	-1.85	19.96	-7.17
1626	0	-10	0	0.00	1.99	-11.32	1.10	17.22	3.05
1630	0	-10	5	0.01	2.01	-11.31	1.14	17.22	3.07
1634	0	-10	10	0.00	2.01	-11.31	1.12	17.23	3.08
1638	0	-10	15	0.00	2.01	-11.31	1.14	17.14	3.07
1558	0	0	0	0.00	-0.02	-11.49	-0.03	17.38	0.00
1563	0	0	5	0.00	0.00	-11.49	0.01	17.35	0.02
1567	0	0	10	-0.01	0.00	-11.49	0.00	17.44	0.02
1571	0	0	15	-0.01	0.00	-11.49	0.00	17.36	0.03
1578	0	10	0	-0.02	-2.01	-11.31	-1.18	17.02	-3.01
1581	0	10	5	-0.01	-2.00	-11.32	-1.14	17.00	-2.96
1587	0	10	10	0.00	-1.99	-11.32	-1.15	17.09	-2.97
1590	0	10	15	0.01	-1.98	-11.32	-1.13	17.08	-2.94
1606	0	20	0	0.00	-3.96	-10.79	-1.96	16.28	-5.95
1610	0	20	5	-0.01	-3.93	-10.80	-1.96	16.26	-5.91
1614	0	20	10	0.00	-3.93	-10.80	-1.95	16.26	-5.90
1618	0	20	15	0.00	-3.93	-10.80	-1.95	16.24	-5.88
1396	3	-10	0	0.59	2.02	-11.30	1.06	11.99	2.25
1392	3	-10	5	0.60	2.03	-11.29	1.06	12.00	2.28
1389	3	-10	10	0.60	2.02	-11.29	1.04	11.94	2.25
1383	3	-10	15	0.60	2.01	-11.29	1.02	12.01	2.26
1401	3	0	0	0.59	0.04	-11.47	0.01	11.82	0.11
1404	3	0	0	0.59	0.05	-11.47	0.03	11.83	0.13
1408	3	0	5	0.59	0.03	-11.47	-0.01	11.90	0.11
1412	3	0	10	0.60	0.04	-11.47	0.01	11.93	0.10
1416	3	0	15	0.60	0.04	-11.47	0.01	11.91	0.10

* Indicates model was close to heave stop

TABLE 7.200.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1435	3	10	0	0.60	-2.00	-11.30	-1.08	12.02	-2.15
1441	3	10	5	0.61	-1.97	-11.30	-1.05	11.92	-2.08
1444	3	10	10	0.60	-1.96	-11.31	-1.06	11.99	-2.06
1448	3	10	15	0.61	-1.96	-11.30	-1.06	12.00	-2.08
1456	3	20	0	0.65	-3.89	-10.79	-1.89	11.66	-4.19
1460	3	20	5	0.59	-3.92	-10.78	-1.93	11.67	-4.31
1464	3	20	10	0.60	-3.91	-10.79	-1.92	11.66	-4.28
1468	3	20	15	0.60	-3.91	-10.79	-1.92	11.67	-4.28
1540	6	-10	0	1.21	2.04	-11.24	0.97	8.65	1.79
1544	6	-10	5	1.20	2.03	-11.24	0.96	8.87	1.79
1548	6	-10	10	1.21	2.05	-11.24	0.96	8.78	1.83
1552	6	-10	15	1.22	2.04	-11.24	0.95	8.72	1.80
1475	6	0	0	1.20	0.04	-11.43	-0.00	8.68	0.13
1479	6	0	5	1.22	0.09	-11.42	0.06	8.70	0.22
1483	6	0	10	1.21	0.06	-11.43	0.02	8.81	0.15
1487	6	0	15	1.22	0.09	-11.42	0.03	8.56	0.21
1493	6	10	0	1.19	-1.94	-11.26	-0.94	8.62	-1.47
1497	6	10	5	1.20	-1.91	-11.27	-0.91	8.68	-1.43
1501	6	10	10	1.21	-1.90	-11.27	-0.92	8.67	-1.40
1505	6	10	15	1.22	-1.91	-11.26	-0.93	8.74	-1.46
1521	6	20	0	1.23	-3.86	-10.75	-1.80	8.59	-3.17
1526	6	20	5	1.20	-3.86	-10.76	-1.82	8.51	-3.16
1529	6	20	10	1.20	-3.86	-10.76	-1.82	8.62	-3.20
1533	6	20	15	1.21	-3.87	-10.75	-1.83	8.61	-3.22

* Indicates model was close to heave stop

TABLE 7.201.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1709		-2	-10	0	-1.84	2.07	-11.24	0.95	25.21	4.71
1713		-2	-10	5	-1.96	3.18	-11.04	1.37	24.80	8.62
1716	*	-2	-10	10	-2.26	5.34	-10.65	1.82	24.46	15.88
1718	*	-2	-10	15	-2.46	8.88	-10.02	2.66	24.11	26.50
1645		-2	0	0	-1.87	-0.02	-11.43	0.04	26.02	0.02
1648		-2	0	5	-1.97	0.99	-11.43	0.30	26.23	3.49
1653		-2	0	10	-2.41	3.19	-11.41	0.82	26.83	10.37
1656	*	-2	0	15	-2.96	7.36	-11.39	2.04	28.44	22.84
1660		-2	10	0	-1.83	-2.09	-11.24	-0.94	25.14	-4.69
1664		-2	10	5	-1.87	-1.24	-11.39	-0.77	26.04	-1.76
1681		-2	10	5	-1.87	-1.21	-11.39	-0.78	26.04	-1.65
1683		-2	10	10	-2.21	0.45	-11.68	-0.28	27.88	3.52
1686	*	-2	10	15	-2.82	4.12	-12.30	0.83	31.29	14.35
1692		-2	20	0	-1.78	-4.09	-10.68	-1.86	23.26	-8.98
1696		-2	20	5	-1.80	-3.23	-10.99	-1.55	24.77	-6.03
1699		-2	20	10	-1.91	-1.76	-11.52	-1.11	27.53	-1.66
1703	*	-2	20	15	-2.47	1.36	-12.64	-0.35	31.95	7.42
1627		0	-10	0	-1.21	2.08	-11.30	1.12	21.43	4.10
1631		0	-10	5	-1.30	2.96	-11.14	1.42	21.12	6.69
1635		0	-10	10	-1.60	4.71	-10.84	1.84	21.04	11.63
1639	*	0	-10	15	-2.08	8.47	-10.17	2.79	21.11	21.84
1560		0	0	0	-1.22	0.02	-11.49	0.02	21.95	0.07
1564		0	0	5	-1.32	0.77	-11.49	0.32	22.02	2.38
1568		0	0	10	-1.54	2.08	-11.49	0.72	22.89	6.15
1572	*	0	0	15	-2.00	5.42	-11.49	1.55	24.41	15.01
1577		0	10	0	-1.21	-2.08	-11.30	-1.14	21.31	-4.04
1582		0	10	5	-1.29	-1.38	-11.42	-0.87	22.03	-1.78
1586		0	10	10	-1.50	-0.15	-11.64	-0.41	23.53	1.62
1591		0	10	15	-1.86	2.32	-12.08	0.43	26.17	7.86
1607		0	20	0	-1.18	-4.14	-10.72	-1.93	19.89	-7.93
1611		0	20	5	-1.17	-3.42	-10.98	-1.77	20.97	-5.94
1615		0	20	10	-1.31	-2.22	-11.42	-1.37	22.94	-2.92
1619		0	20	15	-1.65	-0.19	-12.16	-0.60	26.40	2.00
1397		3	-10	0	-0.69	2.18	-11.34	1.23	16.16	3.17
1393		3	-10	5	-0.74	2.98	-11.20	1.52	16.18	4.62
1390		3	-10	10	-0.93	4.40	-10.96	1.90	16.55	7.25
1405		3	0	0	-0.55	0.09	-11.53	0.10	16.20	0.18
1409		3	0	5	-0.71	0.83	-11.54	0.40	16.43	1.52
1413		3	0	10	-0.83	2.01	-11.55	0.88	17.10	3.58
1417		3	0	15	-1.12	4.60	-11.56	1.77	18.63	8.14

* Indicates model was close to heave stop

TABLE 7.201.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1436	3	10	0	-0.67	-2.08	-11.35	-1.17	16.17	-2.95
1440	3	10	5	-0.67	-1.28	-11.49	-0.84	16.60	-1.64
1445	3	10	10	-0.75	-0.10	-11.70	-0.24	17.80	0.16
1449	3	10	15	-0.91	1.54	-12.00	0.50	19.77	2.81
1457	3	20	0	-0.64	-3.91	-10.86	-1.90	15.61	-5.45
1461	3	20	5	-0.72	-3.11	-11.15	-1.71	16.35	-4.32
1465	3	20	10	-0.78	-1.84	-11.62	-1.24	17.81	-2.78
1469	3	20	15	-0.86	-0.54	-12.09	-0.61	20.01	-1.23
1541	6	-10	0	-0.37	1.90	-11.44	1.02	12.74	2.13
1545	6	-10	5	-0.44	2.98	-11.25	1.45	12.68	3.23
1549	6	-10	10	-0.53	4.36	-11.02	1.95	12.96	4.83
1553	6	-10	15	-0.70	6.87	-10.60	2.73	13.35	7.81
1476	6	0	0	-0.29	0.04	-11.58	0.02	12.74	0.11
1480	6	0	5	-0.38	1.13	-11.59	0.55	12.87	1.26
1484	6	0	10	-0.48	2.25	-11.60	1.01	13.33	2.43
1488	6	0	15	-0.57	3.97	-11.61	1.67	14.08	4.31
1494	6	10	0	-0.40	-1.71	-11.47	-0.90	12.70	-1.71
1498	6	10	5	-0.39	-0.61	-11.67	-0.41	13.12	-0.68
1502	6	10	10	-0.42	0.53	-11.87	0.11	13.95	0.28
1506	6	10	15	-0.49	1.70	-12.08	0.64	14.82	1.46
1522	6	20	0	-0.48	-3.67	-11.01	-1.80	12.60	-3.84
1525	6	20	5	-0.55	-2.45	-11.46	-1.34	13.16	-2.67
1530	6	20	10	-0.50	-1.10	-11.95	-0.78	14.14	-1.55
1534	6	20	15	-0.41	-0.16	-12.28	-0.30	15.12	-0.88

* Indicates model was close to heave stop

TABLE 7.203.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1710		-2	-10	0	-6.66	3.63	-10.80	1.85	23.49	8.58
1714	*	-2	-10	5	-6.97	10.21	-9.63	4.01	21.10	30.55
1646		-2	0	0	-6.36	0.22	-11.28	0.20	23.67	0.55
1650	*	-2	0	5	-6.80	5.83	-11.26	1.72	24.69	18.90
1654	*	-2	0	10	-7.75	18.44	-11.23	5.43	28.54	53.87
1721	*	-2	0	10	-7.88	21.16	-11.22	6.46	28.42	61.59
1661		-2	10	0	-6.26	-3.21	-10.89	-1.36	23.62	-7.46
1665		-2	10	5	-6.68	1.68	-11.73	-0.20	27.90	8.37
1680		-2	10	5	-6.64	1.78	-11.75	0.10	27.97	8.92
1684	*	-2	10	10	-7.43	11.90	-13.51	3.15	35.10	36.10
1688	*	-2	10	15	-8.77	24.49	-15.68	8.44	42.18	66.84
1693		-2	20	0	-4.98	-4.04	-10.58	-1.61	23.68	-8.38
1697		-2	20	5	-5.00	0.24	-12.14	-0.26	30.03	5.73
1701	*	-2	20	10	-8.21	7.13	-14.53	1.81	42.40	21.16
1628		0	-10	0	-3.63	2.32	-11.26	1.11	25.18	5.66
1632		0	-10	5	-4.45	6.58	-10.51	2.44	23.47	15.27
1636	*	0	-10	10	-7.06	21.03	-7.96	6.43	21.77	50.67
1640	*	0	-10	15	-7.31	34.71	-5.55	10.51	17.08	85.15
1561		0	0	0	-3.75	0.12	-11.49	0.09	27.89	0.19
1565		0	0	5	-4.23	3.41	-11.49	1.43	28.39	9.01
1569	*	0	0	10	-6.57	14.44	-11.49	4.59	31.26	32.70
1573	*	0	0	15	-8.57	38.91	-11.49	12.49	29.99	97.86
1579		0	10	0	-3.56	-2.19	-11.28	-1.00	25.13	-5.33
1583		0	10	5	-3.85	0.85	-11.82	0.37	30.02	2.50
1588		0	10	10	-5.14	6.53	-12.82	2.57	36.68	16.10
1592	*	0	10	15	-10.18	33.26	-17.53	11.76	49.20	79.06
1608		0	20	0	-3.47	-4.31	-10.66	-1.85	21.80	-9.58
1612		0	20	5	-3.47	-1.53	-11.67	-0.82	28.28	-4.28
1616		0	20	10	-3.45	0.90	-12.55	0.31	32.64	1.02
1620		0	20	15	-2.99	3.11	-13.36	1.04	32.04	4.70
1398		3	-10	0	-1.82	1.81	-11.46	1.15	18.73	3.33
1394		3	-10	5	-2.28	4.50	-11.01	2.26	18.69	6.99
1391		3	-10	10	-3.16	10.49	-10.00	4.29	20.39	16.31
1400		3	-10	13	-4.28	19.14	-8.54	7.08	22.14	32.55
1388		3	-10	15	-5.35	29.24	-6.81	10.15	21.39	54.11
1406		3	0	0	-1.60	0.14	-11.59	0.09	18.35	0.31
1410		3	0	5	-1.87	2.10	-11.60	1.10	18.78	3.34
1414		3	0	10	-2.39	5.46	-11.63	2.70	20.66	8.26
1418		3	0	15	-3.65	14.89	-11.70	6.22	26.52	23.91

* Indicates model was close to heave stop

TABLE 7.203.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1437	3	10	0	-1.79	-1.49	-11.52	-1.02	18.64	-2.87
1442	3	10	5	-1.58	0.15	-11.79	-0.06	18.11	-0.23
1446	3	10	10	-1.59	2.01	-12.12	0.98	17.88	2.42
1450	3	10	15	-1.60	4.43	-12.55	2.31	18.19	5.52
1458	3	20	0	-1.99	-3.55	-11.06	-2.01	18.43	-5.61
1462	3	20	5	-1.67	-1.38	-11.83	-1.03	18.89	-3.17
1466	3	20	10	-1.34	-0.11	-12.28	-0.41	16.49	-1.40
1470	3	20	15	-1.10	0.97	-12.66	0.08	14.14	-0.16
1542	6	-10	0	-0.82	1.30	-11.59	0.85	11.80	1.85
1546	6	-10	5	-1.14	3.20	-11.29	1.79	13.21	3.43
1550	6	-10	10	-1.51	7.10	-10.64	3.41	14.21	6.96
1554	6	-10	15	-2.06	14.60	-9.38	6.09	16.09	15.02
1477	6	0	0	-0.71	0.08	-11.63	0.08	10.74	0.24
1481	6	0	5	-0.87	1.35	-11.64	0.82	11.09	1.35
1485	6	0	10	-0.98	2.99	-11.66	1.74	11.74	2.73
1489	6	0	15	-1.25	5.86	-11.68	3.11	13.23	5.12
1495	6	10	0	-0.82	-1.09	-11.63	-0.72	11.57	-1.31
1499	6	10	5	-0.69	0.05	-11.81	-0.07	10.20	-0.29
1503	6	10	10	-0.66	1.13	-12.00	0.56	9.01	0.42
1507	6	10	15	-0.67	2.31	-12.21	1.20	8.22	1.14
1523	6	20	0	-1.30	-2.46	-11.55	-1.55	13.44	-3.03
1527	6	20	5	-0.99	-1.40	-11.89	-0.88	11.33	-1.94
1531	6	20	10	-0.68	-0.80	-12.08	-0.65	9.48	-1.30
1535	6	20	15	-0.46	-0.24	-12.26	-0.44	8.14	-0.74

* Indicates model was close to heave stop

TABLE 7.204.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1711	*	-2	-10	0	-11.61	5.93	-10.22	2.93	22.90	15.51
1647	*	-2	0	0	-11.90	0.55	-11.08	0.20	23.68	1.32
1651	*	-2	0	5	-12.23	12.52	-11.07	3.79	25.92	43.14
1662	*	-2	10	0	-11.93	-5.04	-10.36	-2.35	23.71	-14.97
1666	*	-2	10	5	-11.81	6.99	-12.49	1.50	33.52	24.90
1694	*	-2	20	0	-12.94	-9.10	-8.44	-3.68	23.06	-29.35
1698	*	-2	20	5	-12.85	-0.02	-11.75	-0.36	37.51	1.17
1629		0	-10	0	-6.09	2.53	-11.22	0.87	32.80	8.20
1633		0	-10	5	-9.25	10.40	-9.83	3.31	29.52	25.75
1637	*	0	-10	10	-11.38	33.55	-5.75	10.11	21.38	86.39
1562		0	0	0	-5.64	0.18	-11.49	0.08	34.53	0.41
1566		0	0	5	-7.18	5.68	-11.49	2.20	36.38	15.62
1570	*	0	0	10	-13.38	38.77	-11.49	12.48	33.10	105.96
1574	*	0	0	15	-14.67	58.20	-11.49	14.57	37.13	147.14
1580		0	10	0	-6.03	-2.05	-11.31	-0.61	32.62	-7.14
1584		0	10	5	-5.70	1.47	-11.93	0.74	36.49	3.06
1589		0	10	10	-5.86	6.79	-12.87	3.15	39.08	15.70
1593	*	0	10	15	-14.46	38.16	-18.40	14.42	64.83	84.45
1609		0	20	0	-6.49	-4.25	-10.68	-1.56	27.54	-12.12
1613		0	20	5	-5.36	-1.59	-11.65	-0.62	34.88	-6.12
1617		0	20	10	-4.29	0.91	-12.56	-0.05	32.35	-0.78
1621		0	20	15	-3.61	2.86	-13.27	0.08	29.26	2.40
1399		3	-10	0	-2.37	1.75	-11.50	1.06	18.69	3.34
1395		3	-10	5	-3.39	5.44	-10.90	2.82	20.91	8.25
1385		3	-10	10	-5.24	15.58	-9.21	6.40	24.52	24.27
1386		3	-10	13	-7.59	34.58	-5.99	12.58	28.31	60.38
1384	*	3	-10	15	-9.31	52.10	-2.99	17.62	24.86	100.07
1407		3	0	0	-2.39	0.22	-11.63	0.10	17.04	0.40
1411		3	0	5	-2.56	2.51	-11.64	1.38	18.08	3.64
1415		3	0	10	-3.20	6.66	-11.67	3.53	21.03	9.30
1419		3	0	15	-5.80	22.72	-11.81	9.91	32.57	35.53

* Indicates model was close to heave stop

TABLE 7.204.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
1438	3	10	0	-2.48	-1.46	-11.56	-0.98	18.18	-2.72
1443	3	10	5	-2.12	0.58	-11.90	0.16	15.19	0.08
1447	3	10	10	-1.95	2.75	-12.27	1.31	13.20	2.23
1451	3	10	15	-1.80	5.15	-12.69	2.53	12.14	4.25
1459	3	20	0	-2.76	-3.00	-11.31	-1.96	20.80	-5.67
1463	3	20	5	-2.20	-1.30	-11.90	-1.04	16.38	-2.63
1467	3	20	10	-1.66	-0.47	-12.16	-0.70	12.81	-1.47
1471	3	20	15	-1.24	0.39	-12.45	-0.45	10.55	-0.54
1543	6	-10	0	-0.87	1.89	-11.49	1.17	8.17	1.76
1547	6	-10	5	-1.16	3.17	-11.30	1.94	10.32	2.89
1551	6	-10	10	-1.79	6.89	-10.71	3.67	12.28	5.42
1555	6	-10	15	-2.48	15.39	-9.28	6.86	15.64	12.79
1478	6	0	0	-0.73	0.17	-11.63	0.08	6.45	0.42
1482	6	0	5	-0.82	1.72	-11.64	1.01	6.64	1.06
1486	6	0	10	-0.92	3.31	-11.65	1.93	6.83	1.86
1490	6	0	15	-1.04	5.03	-11.66	2.99	7.35	2.82
1496	6	10	0	-0.78	-1.59	-11.53	-1.14	7.90	-1.07
1500	6	10	5	-0.73	-0.39	-11.74	-0.52	7.02	-0.36
1504	6	10	10	-0.75	0.81	-11.95	0.10	6.46	0.24
1508	6	10	15	-0.80	2.18	-12.20	0.74	5.97	0.93
1524	6	20	0	-1.50	-2.59	-11.52	-1.76	10.77	-2.56
1528	6	20	5	-0.91	-2.30	-11.56	-1.55	7.96	-1.75
1532	6	20	10	-0.61	-1.78	-11.72	-1.32	6.60	-1.19
1536	6	20	15	-0.51	-1.34	-11.86	-1.14	5.74	-0.74

* Indicates model was close to heave stop

TABLE 7.210.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
585	0	-10	-10	-0.04	2.08	-11.30	1.11	17.63	3.26
568	0	-10	-8	-0.03	2.07	-11.30	1.11	17.62	3.26
582	0	-10	-5	-0.04	2.06	-11.30	1.10	17.57	3.23
569	0	-10	0	-0.03	2.10	-11.30	1.14	17.56	3.30
574	0	-10	5	-0.01	2.05	-11.31	1.05	17.50	3.20
577	0	-10	10	-0.03	2.02	-11.31	1.01	17.45	3.15
468	0	0	-15	-0.07	0.09	-11.49	0.03	17.68	0.16
464	0	0	-10	-0.04	0.13	-11.49	0.06	17.88	0.23
459	0	0	-5	-0.04	0.14	-11.49	0.07	17.90	0.25
439	0	0	0	-0.01	0.09	-11.49	0.07	17.90	0.18
446	0	0	5	-0.02	0.05	-11.49	-0.01	17.72	0.11
450	0	0	10	-0.02	0.05	-11.49	-0.02	17.70	0.10
454	0	0	15	-0.04	0.05	-11.49	-0.04	17.54	0.12
534	0	10	-10	-0.04	-2.00	-11.32	-1.24	17.66	-3.10
530	0	10	-5	-0.02	-1.93	-11.33	-1.18	17.60	-2.99
471	0	10	0	-0.05	-1.89	-11.33	-1.10	17.54	-2.88
517	0	10	0	-0.03	-1.95	-11.32	-1.19	17.61	-2.99
475	0	10	5	-0.02	-1.90	-11.33	-1.13	17.42	-2.87
522	0	10	5	-0.01	-1.93	-11.33	-1.16	17.48	-2.92
525	0	10	10	-0.02	-1.94	-11.33	-1.16	17.49	-2.97
560	0	20	-10	-0.05	-3.95	-10.79	-2.10	16.64	-6.08
553	0	20	-5	-0.03	-3.90	-10.81	-2.01	16.61	-5.97
555	0	20	-5	-0.04	-3.94	-10.79	-2.07	16.58	-6.04
538	0	20	0	-0.02	-3.91	-10.80	-2.05	16.55	-5.97
543	0	20	5	-0.01	-3.87	-10.82	-2.01	16.52	-5.89
548	0	20	10	-0.02	-3.86	-10.82	-1.98	16.48	-5.85
250	3	-10	-15	0.59	1.95	-11.31	0.95	12.50	2.14
245	3	-10	-10	0.60	2.01	-11.30	1.02	12.29	2.23
241	3	-10	-5	0.61	1.96	-11.30	0.97	12.31	2.09
237	3	-10	0	0.62	2.01	-11.30	1.00	12.18	2.20
233	3	-10	5	0.60	2.01	-11.30	1.00	12.22	2.22
229	3	-10	10	0.55	1.89	-11.32	0.73	12.32	2.04
225	3	-10	15	0.59	1.82	-11.33	0.76	12.37	1.85
109	3	0	-15	0.61	0.02	-11.47	-0.05	12.26	-0.01
104	3	0	-10	0.61	0.06	-11.47	-0.02	12.21	0.07
100	3	0	-5	0.60	0.07	-11.47	-0.02	12.21	0.10
96	3	0	0	0.59	-0.03	-11.47	-0.14	12.22	-0.11
90	3	0	5	0.62	0.05	-11.47	-0.04	12.09	0.06
79	3	0	10	0.59	-0.09	-11.47	-0.18	12.08	-0.25
81	3	0	10	0.58	-0.23	-11.48	-0.32	12.12	-0.56
87	3	0	10	0.62	0.02	-11.47	-0.09	12.06	0.01
83	3	0	15	0.57	0.03	-11.48	-0.08	12.02	0.00

* Indicates model was close to heave stop

TABLE 7.210.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
113	3	10	-15	0.56	-1.97	-11.31	-1.15	12.20	-2.23
154	3	10	-15	0.53	-2.06	-11.29	-1.15	12.54	-2.42
159	3	10	-10	0.58	-2.02	-11.30	-1.18	12.11	-2.29
163	3	10	-5	0.59	-2.02	-11.30	-1.19	12.07	-2.30
167	3	10	0	0.59	-2.11	-11.28	-1.28	12.16	-2.50
171	3	10	5	0.61	-1.93	-11.31	-1.11	12.08	-2.11
185	3	10	5	0.60	-2.00	-11.30	-1.18	12.22	-2.25
187	3	10	10	0.62	-2.03	-11.29	-1.19	12.06	-2.30
191	3	10	15	0.64	-1.79	-11.33	-0.95	12.02	-1.70
219	3	20	-15	0.64	-3.90	-10.79	-1.81	11.69	-4.34
215	3	20	-10	0.60	-3.88	-10.80	-1.84	11.63	-4.27
211	3	20	-5	0.59	-3.92	-10.79	-1.88	11.65	-4.35
203	3	20	5	0.59	-3.92	-10.79	-1.90	11.71	-4.38
207	3	20	5	0.61	-3.89	-10.80	-1.87	11.56	-4.27
199	3	20	10	0.63	-3.91	-10.79	-1.89	11.49	-4.25
195	3	20	15	0.62	-3.89	-10.79	-1.86	11.52	-4.25
419	6	-10	-15	1.23	2.02	-11.24	0.96	9.07	1.72
415	6	-10	-10	1.24	2.03	-11.24	0.96	9.22	1.76
411	6	-10	-5	1.22	1.95	-11.26	0.88	9.13	1.58
393	6	-10	0	1.23	1.99	-11.25	0.92	9.26	1.70
397	6	-10	5	1.24	2.01	-11.24	0.94	9.03	1.71
401	6	-10	10	1.25	1.99	-11.25	0.90	9.09	1.68
405	6	-10	15	1.24	1.97	-11.25	0.88	9.09	1.64
295	6	0	-15	1.23	0.02	-11.42	-0.05	8.82	-0.05
291	6	0	-10	1.22	0.08	-11.42	0.02	8.86	0.05
287	6	0	-5	1.23	0.04	-11.42	-0.03	8.83	0.03
267	6	0	0	1.24	0.04	-11.42	-0.04	8.82	0.02
273	6	0	5	1.22	-0.02	-11.42	-0.10	8.85	-0.10
277	6	0	5	1.26	0.05	-11.42	-0.04	8.88	0.06
282	6	0	10	1.25	0.06	-11.42	-0.03	8.64	0.07
283	6	0	15	1.23	0.01	-11.42	-0.07	8.91	-0.04
299	6	10	-15	1.22	-1.98	-11.25	-1.02	8.88	-1.76
304	6	10	-10	1.24	-1.94	-11.26	-0.98	8.82	-1.68
308	6	10	-5	1.25	-1.91	-11.26	-0.95	8.72	-1.57
321	6	10	-5	1.25	-1.91	-11.26	-0.94	8.86	-1.61
324	6	10	0	1.25	-1.89	-11.26	-0.91	8.71	-1.52
328	6	10	5	1.25	-1.94	-11.26	-0.98	8.73	-1.63
332	6	10	10	1.26	-1.91	-11.26	-0.97	8.61	-1.54
336	6	10	15	1.25	-2.01	-11.24	-1.08	8.69	-1.76
364	6	20	-15	1.22	-3.95	-10.72	-1.94	8.57	-3.53
360	6	20	-10	1.22	-3.88	-10.75	-1.87	8.64	-3.36
356	6	20	-5	1.22	-3.91	-10.74	-1.93	8.58	-3.40
340	6	20	0	1.21	-3.93	-10.73	-1.97	8.61	-3.46
344	6	20	5	1.25	-3.90	-10.74	-1.92	8.58	-3.36
348	6	20	10	1.26	-3.87	-10.75	-1.88	8.52	-3.28
352	6	20	15	1.23	-3.96	-10.71	-1.99	8.48	-3.48

* Indicates model was close to heave stop

TABLE 7.211.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
586		0	-10	-10	-1.62	0.46	-11.59	1.00	23.62	-1.80
581		0	-10	-5	-1.36	1.64	-11.38	1.24	22.29	1.79
570		0	-10	0	-1.21	2.43	-11.24	1.45	21.72	4.36
573		0	-10	5	-1.36	3.13	-11.12	1.45	21.61	6.64
578		0	-10	10	-1.64	4.72	-10.83	1.58	21.88	10.81
469	*	0	0	-15	-2.04	-5.16	-11.49	-1.18	24.37	-15.36
465		0	0	-10	-1.59	-1.80	-11.49	-0.06	22.90	-6.41
460		0	0	-5	-1.34	-0.45	-11.49	0.11	22.05	-2.35
443		0	0	0	-1.26	0.01	-11.49	0.02	22.17	-0.40
447		0	0	5	-1.25	0.71	-11.49	0.24	22.26	1.75
451		0	0	10	-1.47	1.92	-11.49	0.52	23.19	5.02
455	*	0	0	15	-1.94	4.85	-11.49	1.37	24.75	12.06
535		0	10	-10	-1.64	-4.35	-10.90	-1.38	20.84	-11.68
531		0	10	-5	-1.34	-2.76	-11.18	-1.18	21.15	-6.97
472		0	10	0	-1.23	-1.88	-11.34	-0.95	21.41	-4.17
518		0	10	0	-1.19	-2.04	-11.31	-1.15	21.46	-4.47
476		0	10	5	-1.28	-1.20	-11.46	-0.76	22.15	-1.91
523		0	10	5	-1.17	-1.34	-11.43	-0.83	22.01	-2.29
526		0	10	10	-1.38	-0.35	-11.61	-0.56	23.30	0.35
561		0	20	-10	-1.81	-6.31	-9.93	-2.06	18.31	-15.22
556		0	20	-5	-1.37	-4.63	-10.54	-1.86	19.38	-10.22
539		0	20	0	-1.25	-3.83	-10.83	-1.86	20.30	-7.89
544		0	20	5	-1.16	-3.15	-11.08	-1.62	21.19	-5.98
549		0	20	10	-1.34	-2.07	-11.47	-1.33	23.25	-3.29
251		3	-10	-15	-0.81	-1.10	-11.92	-0.26	20.00	-2.91
246		3	-10	-10	-0.73	0.51	-11.63	0.50	17.95	-0.06
242		3	-10	-5	-0.62	1.73	-11.41	1.08	16.82	2.06
238		3	-10	0	-0.56	2.70	-11.24	1.50	16.29	3.86
234		3	-10	5	-0.69	3.56	-11.09	1.77	16.52	5.46
230		3	-10	10	-0.93	4.81	-10.88	1.80	17.14	7.64
226		3	-10	15	-1.23	7.96	-10.35	2.45	18.11	13.00
108		3	0	-15	-1.02	-3.93	-11.56	-1.60	18.48	-8.08
110		3	0	-15	-0.99	-3.77	-11.56	-1.47	18.39	-7.78
105		3	0	-10	-0.79	-1.56	-11.55	-0.75	17.06	-3.47
101		3	0	-5	-0.66	-0.47	-11.54	-0.32	16.63	-1.33
97		3	0	0	-0.60	0.26	-11.54	0.03	16.55	0.10
91		3	0	5	-0.61	1.12	-11.54	0.45	16.71	1.64
92		3	0	5	-0.64	1.10	-11.54	0.40	16.78	1.62
88		3	0	10	-0.78	2.33	-11.55	0.85	17.54	3.67
86		3	0	15	-1.04	4.84	-11.56	1.63	19.08	7.81

* Indicates model was close to heave stop

TABLE 7.211.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
114	3	10	-15	-1.19	-6.43	-10.61	-2.58	16.73	-12.31
160	3	10	-10	-0.93	-3.70	-11.08	-1.74	16.42	-6.57
164	3	10	-5	-0.77	-2.54	-11.28	-1.43	16.17	-4.31
168	3	10	0	-0.67	-1.60	-11.44	-0.95	16.40	-2.46
172	3	10	5	-0.63	-0.93	-11.55	-0.74	16.66	-1.42
188	3	10	10	-0.65	0.21	-11.76	-0.14	17.93	0.28
192	3	10	15	-0.84	2.13	-12.10	0.73	20.05	3.37
220	3	20	-15	-1.03	-7.84	-9.45	-2.80	14.48	-14.06
216	3	20	-10	-0.83	-5.45	-10.31	-2.18	15.09	-9.10
212	3	20	-5	-0.67	-4.34	-10.70	-1.96	15.34	-6.80
204	3	20	5	-0.54	-2.86	-11.23	-1.47	16.29	-4.26
208	3	20	5	-0.50	-3.64	-10.95	-1.75	15.55	-5.48
200	3	20	10	-0.64	-1.73	-11.65	-0.88	17.73	-2.72
196	3	20	15	-0.82	-0.27	-12.19	-0.25	20.05	-0.71
420	6	-10	-15	-0.24	-0.86	-11.91	-0.25	14.64	-0.75
416	6	-10	-10	-0.23	0.18	-11.72	0.23	13.85	0.36
412	6	-10	-5	-0.17	1.21	-11.54	0.61	13.24	1.20
409	6	-10	-5	-0.18	1.29	-11.52	0.66	13.26	1.37
394	6	-10	0	-0.22	2.35	-11.34	1.13	12.97	2.44
398	6	-10	5	-0.31	3.51	-11.15	1.58	13.05	3.72
402	6	-10	10	-0.40	5.11	-10.87	2.08	13.41	5.51
406	6	-10	15	-0.53	7.64	-10.44	2.81	14.08	8.40
296	6	0	-15	-0.31	-2.81	-11.59	-1.16	13.84	-3.29
292	6	0	-10	-0.29	-1.47	-11.58	-0.65	13.22	-1.75
288	6	0	-5	-0.25	-0.35	-11.58	-0.11	12.82	-0.37
268	6	0	0	-0.12	0.48	-11.57	0.17	12.69	0.35
274	6	0	5	-0.28	1.51	-11.58	0.63	13.07	1.46
278	6	0	10	-0.27	2.78	-11.58	1.21	13.68	2.91
284	6	0	15	-0.45	4.73	-11.60	1.85	14.66	4.97
300	6	10	-15	-0.43	-5.25	-10.85	-2.18	13.18	-6.25
305	6	10	-10	-0.32	-3.42	-11.16	-1.60	12.76	-3.99
309	6	10	-5	-0.31	-2.37	-11.35	-1.26	12.62	-2.78
325	6	10	0	-0.21	-1.23	-11.54	-0.69	12.66	-1.42
329	6	10	5	-0.18	-0.08	-11.74	-0.20	13.16	-0.33
333	6	10	10	-0.22	1.07	-11.94	0.37	13.99	0.81
337	6	10	15	-0.28	2.36	-12.18	0.88	15.04	2.02
365	6	20	-15	-0.53	-8.12	-9.40	-3.20	11.59	-9.88
361	6	20	-10	-0.44	-5.76	-10.25	-2.54	11.92	-6.71
357	6	20	-5	-0.40	-4.36	-10.75	-2.15	12.17	-4.92
341	6	20	0	-0.38	-3.11	-11.20	-1.71	12.67	-3.58
345	6	20	5	-0.34	-1.93	-11.63	-1.25	13.22	-2.40
349	6	20	10	-0.30	-0.60	-12.11	-0.63	14.32	-1.28
353	6	20	15	-0.27	0.18	-12.39	-0.26	15.04	-0.57

* Indicates model was close to heave stop

TABLE 7.213.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
587		0	-10	-10	-5.18	-5.75	-12.68	-1.26	36.18	-18.22
583		0	-10	-5	-3.87	-0.58	-11.77	0.37	29.74	-3.71
571		0	-10	0	-3.52	2.45	-11.24	1.29	25.29	4.29
575		0	-10	5	-4.48	6.86	-10.46	2.29	25.35	13.78
579	*	0	-10	10	-5.92	16.60	-8.74	4.52	25.51	34.98
466	*	0	0	-10	-6.04	-11.70	-11.49	-2.74	28.98	-32.52
461		0	0	-5	-4.07	-3.03	-11.49	-0.77	27.46	-10.59
444		0	0	0	-3.58	0.05	-11.49	0.17	27.38	-1.55
448		0	0	5	-4.08	3.07	-11.49	1.11	28.86	6.35
452	*	0	0	10	-5.77	12.12	-11.49	3.67	33.45	22.80
456	*	0	0	15	-6.18	22.76	-11.49	7.40	35.84	44.81
536		0	10	-10	-5.60	-14.68	-9.08	-4.11	18.91	-40.30
532		0	10	-5	-4.02	-5.71	-10.66	-1.91	21.80	-15.94
473		0	10	0	-3.58	-2.69	-11.19	-1.58	24.63	-8.22
478		0	10	5	-3.72	0.73	-11.80	0.36	29.16	0.63
527		0	10	10	-4.64	5.76	-12.68	2.14	35.19	11.56
528		0	10	10	-4.67	5.73	-12.68	2.11	35.25	11.47
562	*	0	20	-10	-6.74	-16.31	-6.29	-4.02	23.21	-45.13
567		0	20	-8	-4.99	-12.75	-7.59	-3.41	16.05	-33.38
557		0	20	-5	-3.96	-7.59	-9.47	-2.50	18.86	-18.70
558		0	20	-5	-4.02	-7.80	-9.39	-2.69	18.74	-19.24
540		0	20	0	-3.38	-4.03	-10.76	-1.61	21.66	-9.97
546		0	20	5	-3.31	-1.45	-11.70	-0.69	27.02	-4.98
550		0	20	10	-3.29	1.30	-12.70	0.48	30.89	0.69
252		3	-10	-15	-1.31	-3.16	-12.31	-1.45	18.34	-4.50
247		3	-10	-10	-1.48	-1.04	-11.95	-0.31	18.95	-1.53
243		3	-10	-5	-1.53	0.77	-11.63	0.68	19.50	1.36
239		3	-10	0	-1.75	3.05	-11.24	1.72	18.95	4.65
235		3	-10	5	-2.31	6.27	-10.70	2.84	19.32	9.18
231		3	-10	10	-3.35	14.06	-9.38	5.23	21.46	21.07
227	*	3	-10	15	-5.17	33.17	-6.11	10.34	24.31	57.03
111		3	0	-15	-3.13	-11.40	-11.67	-4.72	25.04	-21.30
106		3	0	-10	-2.09	-3.65	-11.62	-1.82	19.90	-7.08
102		3	0	-5	-1.77	-0.99	-11.60	-0.56	18.61	-2.39
98		3	0	0	-1.48	0.89	-11.58	0.44	18.23	0.94
94		3	0	5	-1.86	3.55	-11.60	1.71	19.36	4.99
89		3	0	10	-2.55	7.96	-11.64	3.58	22.46	11.45
85		3	0	15	-4.04	19.86	-11.72	7.45	29.40	30.18

* Indicates model was close to heave stop

TABLE 7.213.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
115	3	10	-15	-4.49	-22.41	-7.97	-7.79	21.69	-43.79
155	3	10	-15	-4.31	-20.69	-8.26	-7.68	21.89	-39.55
156	3	10	-15	-4.32	-20.88	-8.23	-7.43	21.85	-40.06
161	3	10	-10	-2.65	-7.25	-10.55	-3.23	19.39	-12.67
165	3	10	-5	-1.92	-2.94	-11.27	-1.71	18.19	-5.43
169	3	10	0	-1.63	-0.79	-11.63	-0.61	18.14	-2.03
173	3	10	5	-1.37	0.97	-11.93	0.41	17.71	0.87
189	3	10	10	-1.35	2.96	-12.28	1.45	17.70	3.51
193	3	10	15	-1.42	5.62	-12.75	2.83	18.74	6.82
221	3	20	-15	-3.82	-20.12	-5.13	-7.00	13.32	-38.52
217	3	20	-10	-2.59	-9.10	-9.08	-3.64	17.07	-15.75
213	3	20	-5	-1.88	-4.65	-10.65	-2.16	17.21	-7.90
209	3	20	0	-1.60	-2.73	-11.34	-1.39	17.58	-5.18
205	3	20	5	-1.34	-1.01	-11.95	-0.39	17.26	-2.23
201	3	20	10	-1.26	0.86	-12.63	0.60	17.01	0.39
197	3	20	15	-1.15	2.92	-13.37	1.72	16.49	2.81
421	6	-10	-15	-0.35	-1.42	-12.02	-0.76	9.07	-0.57
417	6	-10	-10	-0.35	-0.29	-11.82	-0.12	9.85	0.30
413	6	-10	-5	-0.32	0.77	-11.63	0.42	11.23	1.15
395	6	-10	0	-0.74	2.10	-11.44	1.22	13.14	2.67
399	6	-10	5	-1.09	5.25	-10.92	2.55	13.79	5.11
403	6	-10	10	-1.49	10.29	-10.08	4.34	15.25	10.02
407	6	-10	15	-1.96	19.36	-8.53	7.30	17.89	20.47
297	6	0	-15	-0.75	-3.51	-11.63	-1.99	12.15	-3.30
293	6	0	-10	-0.57	-1.75	-11.61	-1.04	11.23	-1.56
289	6	0	-5	-0.37	-0.47	-11.59	-0.34	10.88	-0.42
269	6	0	0	-0.41	0.92	-11.60	0.52	10.93	0.99
275	6	0	5	-0.55	2.26	-11.61	1.31	11.51	2.24
279	6	0	10	-0.87	4.52	-11.65	2.37	12.48	4.03
280	6	0	10	-0.85	4.43	-11.64	2.31	12.52	3.90
285	6	0	15	-1.19	8.67	-11.68	4.11	14.88	7.66
302	6	10	-15	-1.35	-8.69	-10.34	-3.92	14.77	-9.35
306	6	10	-10	-1.10	-4.02	-11.14	-2.18	13.36	-4.43
310	6	10	-5	-0.72	-1.70	-11.51	-1.07	12.22	-2.07
326	6	10	0	-0.37	-0.47	-11.69	-0.43	10.49	-0.83
330	6	10	5	-0.25	0.72	-11.88	0.25	9.18	0.06
334	6	10	10	-0.24	1.87	-12.09	0.88	8.26	0.88
338	6	10	15	-0.29	3.03	-12.30	1.40	7.76	1.46
366	6	20	-15	-1.79	-14.80	-7.11	-5.57	12.24	-17.28
362	6	20	-10	-1.44	-7.62	-9.68	-3.48	13.02	-8.56
358	6	20	-5	-1.27	-3.90	-11.02	-2.23	13.15	-4.65
342	6	20	0	-0.70	-1.75	-11.74	-1.22	11.81	-2.39
346	6	20	5	-0.54	-1.09	-11.96	-0.91	9.83	-1.68
350	6	20	10	-0.39	-0.48	-12.16	-0.68	8.34	-0.99
354	6	20	15	-0.25	-0.15	-12.27	-0.68	7.46	-0.81

* Indicates model was close to heave stop

TABLE 7.214.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
588		0	-10	-10	-8.59	-10.30	-13.48	-2.74	48.70	-31.78
584		0	-10	-5	-6.08	-1.66	-11.96	-0.23	37.41	-6.56
572		0	-10	0	-5.86	2.20	-11.28	1.01	32.33	4.96
576	*	0	-10	5	-9.16	11.60	-9.62	3.47	32.39	22.36
580	*	0	-10	10	-9.61	27.82	-6.76	7.27	29.17	58.73
467	*	0	0	-10	-10.37	-19.87	-11.49	-5.30	36.58	-56.85
462		0	0	-5	-6.87	-5.09	-11.49	-1.21	34.42	-18.49
445		0	0	0	-5.51	-0.28	-11.49	-0.04	33.45	-2.67
449		0	0	5	-6.73	4.93	-11.49	1.74	35.99	10.48
453	*	0	0	10	-9.70	19.96	-11.49	5.98	43.08	38.93
457	*	0	0	15	-10.79	39.29	-11.49	12.02	47.27	78.00
537	*	0	10	-10	-10.15	-25.98	-7.09	-6.13	18.36	-75.76
533		0	10	-5	-7.67	-9.14	-10.06	-2.72	25.23	-28.38
474		0	10	0	-5.92	-2.31	-11.26	-0.37	31.27	-9.97
519		0	10	0	-5.92	-2.51	-11.23	-0.64	31.46	-10.60
520		0	10	0	-5.78	-2.66	-11.20	-0.70	30.96	-10.68
479		0	10	5	-5.45	1.43	-11.92	0.75	33.88	0.66
521		0	10	5	-5.40	1.20	-11.88	0.72	33.85	0.22
529		0	10	10	-6.05	7.47	-12.98	3.31	39.65	14.29
563		0	20	-10	-11.02	-22.61	-4.00	-5.33	28.41	-68.44
566	*	0	20	-8	-10.25	-23.86	-3.54	-5.84	8.34	-71.39
554		0	20	-5	-7.36	-10.54	-8.39	-2.86	19.21	-30.46
559		0	20	-5	-7.71	-11.99	-7.86	-3.99	18.11	-34.49
541		0	20	0	-6.41	-4.06	-10.75	-1.45	25.03	-12.81
547		0	20	5	-5.03	-1.43	-11.71	-0.54	31.23	-6.98
564		0	20	5	-5.15	-1.19	-11.79	-0.44	31.76	-6.49
551		0	20	10	-4.27	1.82	-12.89	0.26	30.89	0.01
552		0	20	10	-4.25	1.83	-12.89	0.24	30.90	0.02
565		0	20	10	-4.29	1.49	-12.77	0.16	31.14	-0.60
253		3	-10	-15	-1.49	-3.65	-12.41	-1.71	13.32	-3.37
248		3	-10	-10	-1.69	-1.38	-12.02	-0.56	14.88	-1.02
249		3	-10	-10	-1.59	-1.28	-11.99	-0.53	14.79	-0.89
244		3	-10	-5	-2.03	0.68	-11.67	0.43	17.76	1.36
240		3	-10	0	-2.56	3.46	-11.21	2.00	20.45	5.47
236		3	-10	5	-3.54	8.55	-10.36	3.83	21.82	11.84
232		3	-10	10	-6.02	23.87	-7.80	8.68	27.78	36.76
228	*	3	-10	15	-8.41	56.15	-2.23	17.66	31.19	97.27
254	*	3	-10	15	-8.44	55.77	-2.30	17.16	31.23	96.87
112		3	0	-15	-4.31	-15.28	-11.73	-6.80	27.59	-26.78
107		3	0	-10	-2.38	-3.68	-11.63	-2.06	18.58	-6.03
103		3	0	-5	-2.31	-0.94	-11.63	-0.56	17.54	-1.74
99		3	0	0	-2.27	1.42	-11.62	0.77	17.73	1.95
95		3	0	5	-2.60	4.67	-11.64	2.46	19.13	6.27
82		3	0	10	-3.58	10.58	-11.69	5.03	23.85	14.33
84		3	0	15	-6.48	30.96	-11.85	12.08	37.99	47.31

* Indicates model was close to heave stop

TABLE 7.214.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
158	3	10	-15	-7.24	-32.12	-6.41	-12.58	24.39	-65.39
162	3	10	-10	-3.59	-7.66	-10.52	-3.78	21.40	-13.04
166	3	10	-5	-2.74	-2.74	-11.35	-1.76	19.20	-5.34
170	3	10	0	-2.11	-0.30	-11.74	-0.32	16.51	-1.16
174	3	10	5	-1.82	1.84	-12.10	0.83	13.99	1.45
186	3	10	5	-1.69	1.83	-12.10	0.74	13.89	1.34
190	3	10	10	-1.56	4.13	-12.49	1.82	12.50	3.40
194	3	10	15	-1.49	6.89	-12.98	3.17	11.81	5.89
222	3	20	-15	-4.98	-23.37	-4.02	-8.93	14.94	-44.26
224	3	20	-14	-6.89	-31.29	-1.24	-11.11	16.00	-62.39
223	3	20	-13	-6.31	-24.90	-3.53	-9.48	17.51	-48.50
218	3	20	-10	-3.78	-10.19	-8.75	-4.37	19.18	-17.72
214	3	20	-5	-2.69	-4.53	-10.75	-2.36	18.48	-8.19
210	3	20	0	-2.07	-2.32	-11.52	-1.16	16.27	-4.08
206	3	20	5	-1.72	-0.39	-12.20	-0.20	13.76	-1.22
202	3	20	10	-1.52	1.76	-12.97	0.78	12.55	1.18
198	3	20	15	-1.40	3.85	-13.73	1.65	12.02	2.96
422	6	-10	-15	-0.36	-0.93	-11.93	-0.30	6.94	-0.22
418	6	-10	-10	-0.29	0.33	-11.70	0.28	7.36	0.53
414	6	-10	-5	-0.30	1.40	-11.52	0.79	7.94	1.19
396	6	-10	0	-0.60	2.79	-11.30	1.58	9.13	2.43
400	6	-10	5	-1.07	5.00	-10.96	2.63	11.20	4.10
404	6	-10	10	-1.80	10.72	-10.03	4.88	13.79	8.65
408	6	-10	15	-2.72	25.79	-7.47	9.92	19.76	24.44
298	6	0	-15	-0.59	-3.74	-11.62	-2.21	7.06	-1.82
294	6	0	-10	-0.50	-2.01	-11.61	-1.25	6.98	-0.83
290	6	0	-5	-0.29	-0.40	-11.58	-0.38	6.65	-0.05
270	6	0	0	-0.25	1.54	-11.58	0.91	6.76	1.64
272	6	0	0	-0.19	1.12	-11.57	0.51	6.64	0.65
276	6	0	5	-0.46	2.74	-11.60	1.42	6.70	1.55
281	6	0	10	-0.55	4.34	-11.61	2.31	6.87	2.35
286	6	0	15	-0.67	6.22	-11.62	3.37	7.31	3.58
303	6	10	-15	-1.28	-7.36	-10.57	-3.97	12.51	-5.98
307	6	10	-10	-0.97	-3.75	-11.17	-2.38	10.36	-3.01
311	6	10	-5	-0.58	-2.17	-11.41	-1.46	8.32	-1.46
322	6	10	-5	-0.62	-2.36	-11.38	-1.69	8.28	-1.92
327	6	10	0	-0.35	-0.94	-11.60	-0.90	6.99	-0.70
331	6	10	5	-0.16	0.14	-11.77	-0.38	6.57	-0.15
335	6	10	10	-0.26	1.34	-11.99	0.13	5.78	0.35
339	6	10	15	-0.28	2.79	-12.25	0.73	5.64	1.13
367	6	20	-15	-2.27	-16.72	-6.46	-6.41	12.92	-16.47
363	6	20	-10	-1.68	-7.57	-9.73	-3.77	12.57	-7.12
359	6	20	-5	-1.38	-3.44	-11.20	-2.33	11.34	-3.55
343	6	20	0	-0.58	-2.51	-11.45	-1.78	8.25	-2.05
347	6	20	5	-0.39	-2.00	-11.61	-1.61	6.51	-1.42
351	6	20	10	-0.24	-1.74	-11.69	-1.54	5.67	-1.16
355	6	20	15	-0.14	-1.60	-11.73	-1.58	5.29	-1.20

* Indicates model was close to heave stop

TABLE 7.220.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2934	0	-10	-15	0.00	1.92	-11.33	1.17	17.73	3.00
2930	0	-10	-10	-0.02	1.94	-11.33	1.21	17.79	3.01
2926	0	-10	-5	-0.03	1.98	-11.32	1.25	17.81	3.05
2912	0	-10	0	-0.04	1.95	-11.32	1.16	17.93	3.08
2916	0	-10	5	-0.01	2.01	-11.31	1.27	17.82	3.17
2920	0	-10	10	-0.01	1.97	-11.32	1.24	17.85	3.11
2924	0	-10	15	-0.01	1.95	-11.32	1.18	17.82	3.07
2830	0	0	-15	-0.04	-0.08	-11.49	0.09	17.67	-0.15
2831	0	0	-15	-0.05	-0.08	-11.49	0.09	17.68	-0.15
2825	0	0	-10	-0.05	-0.06	-11.49	0.08	17.78	-0.12
2821	0	0	-5	-0.05	-0.04	-11.49	0.11	17.89	-0.09
2797	0	0	0	-0.03	0.02	-11.49	0.12	17.94	0.01
2802	0	0	5	-0.05	0.01	-11.49	0.11	17.87	0.01
2816	0	0	10	-0.07	0.07	-11.49	0.20	17.91	0.22
2859	0	10	-15	-0.05	-2.10	-11.30	-1.11	17.37	-3.30
2855	0	10	-10	-0.06	-2.04	-11.31	-1.03	17.32	-3.17
2851	0	10	-5	-0.06	-2.03	-11.31	-1.03	17.56	-3.18
2835	0	10	0	-0.02	-2.08	-11.30	-1.09	17.65	-3.26
2839	0	10	5	-0.02	-2.05	-11.31	-1.04	17.54	-3.15
2843	0	10	10	-0.05	-2.05	-11.31	-1.05	17.57	-3.18
2847	0	10	15	-0.06	-2.06	-11.30	-1.06	17.59	-3.19
2895	0	20	-15	-0.08	-3.98	-10.78	-1.88	16.27	-6.00
2889	0	20	-10	-0.06	-3.93	-10.80	-1.80	16.63	-6.04
2891	0	20	-10	-0.07	-3.97	-10.78	-1.84	16.64	-6.11
2880	0	20	-5	-0.05	-4.00	-10.77	-1.79	20.05	-7.46
2885	0	20	-5	-0.05	-3.96	-10.79	-1.81	16.69	-6.12
2864	0	20	0	-0.04	-3.98	-10.78	-1.86	16.78	-6.21
2868	0	20	5	-0.01	-4.00	-10.77	-1.84	16.69	-6.21
2872	0	20	10	-0.03	-3.99	-10.78	-1.83	16.69	-6.18
2876	0	20	15	-0.07	-3.96	-10.79	-1.83	16.73	-6.14
3072	3	-10	-15	0.60	1.97	-11.30	1.18	12.41	2.23
3068	3	-10	-10	0.59	1.99	-11.30	1.24	12.41	2.25
3064	3	-10	-5	0.58	2.01	-11.30	1.24	12.45	2.31
3047	3	-10	0	0.63	1.91	-11.31	1.15	12.57	2.11
3051	3	-10	5	0.59	1.97	-11.30	1.20	12.46	2.25
3056	3	-10	10	0.59	1.98	-11.30	1.19	12.45	2.27
3061	3	-10	15	0.59	2.00	-11.30	1.20	12.41	2.28
2967	3	0	-15	0.60	-0.01	-11.47	0.14	12.19	0.02
2962	3	0	-10	0.60	-0.02	-11.47	0.13	12.19	0.03
2958	3	0	-5	0.59	-0.02	-11.47	0.15	12.18	0.01
2942	3	0	0	0.61	-0.04	-11.47	0.11	12.41	-0.04
2946	3	0	5	0.60	-0.02	-11.47	0.15	12.26	0.06
2950	3	0	10	0.58	-0.02	-11.48	0.14	12.27	0.02
2954	3	0	15	0.57	-0.04	-11.48	0.10	12.29	-0.05

* Indicates model was close to heave stop

TABLE 7.220.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2984	3	10	-15	0.61	-2.00	-11.30	-0.88	12.23	-2.19
2980	3	10	-10	0.60	-2.04	-11.29	-0.94	12.21	-2.29
2976	3	10	-5	0.59	-2.03	-11.29	-0.95	12.26	-2.27
2972	3	10	0	0.60	-1.94	-11.31	-0.85	12.48	-2.13
2989	3	10	5	0.57	-2.02	-11.30	-0.92	12.18	-2.25
2993	3	10	10	0.59	-2.00	-11.30	-0.88	12.17	-2.17
2997	3	10	15	0.58	-2.03	-11.29	-0.95	12.17	-2.26
3042	3	20	-15	0.57	-3.94	-10.78	-1.75	12.03	-4.49
3037	3	20	-10	0.58	-3.95	-10.77	-1.78	12.09	-4.49
3033	3	20	-5	0.57	-3.94	-10.78	-1.74	12.11	-4.52
3003	3	20	0	0.58	-3.92	-10.78	-1.75	12.09	-4.47
3007	3	20	5	0.58	-3.97	-10.77	-1.81	11.90	-4.51
3	3	20	10	0.60	-3.97	-10.77	-1.83	12.10	-4.53
3	3	20	15	0.57	-3.99	-10.76	-1.88	12.08	-4.53
3198	6	-10	-15	1.21	2.03	-11.24	1.15	8.70	1.80
3194	6	-10	-10	1.21	2.03	-11.24	1.15	8.91	1.83
3190	6	-10	-5	1.21	2.03	-11.24	1.14	8.72	1.79
3186	6	-10	0	1.22	2.05	-11.24	1.13	9.07	1.88
3202	6	-10	5	1.20	2.03	-11.24	1.17	8.92	1.84
3206	6	-10	10	1.19	2.02	-11.25	1.10	8.93	1.80
3210	6	-10	15	1.20	2.03	-11.24	1.12	9.01	1.85
3106	6	0	-15	1.21	0.03	-11.43	0.20	8.76	0.10
3101	6	0	-10	1.21	0.04	-11.43	0.22	8.71	0.13
3097	6	0	-5	1.19	0.02	-11.43	0.20	8.81	0.10
3079	6	0	0	1.21	0.02	-11.43	0.15	8.84	0.05
3093	6	0	15	1.20	0.02	-11.43	0.18	8.81	0.10
3150	6	10	-15	1.22	-1.96	-11.25	-0.75	8.78	-1.57
3146	6	10	-10	1.21	-1.95	-11.26	-0.75	8.80	-1.56
3142	6	10	-5	1.21	-1.96	-11.26	-0.74	8.82	-1.57
3125	6	10	0	1.27	-1.89	-11.26	-0.72	9.31	-1.50
3129	6	10	5	1.21	-1.97	-11.25	-0.79	8.81	-1.58
3134	6	10	10	1.20	-1.97	-11.26	-0.80	8.90	-1.59
3138	6	10	15	1.17	-1.98	-11.26	-0.80	8.91	-1.64
3168	6	20	-15	1.20	-3.85	-10.76	-1.60	8.69	-3.17
3164	6	20	-10	1.20	-3.88	-10.75	-1.64	8.68	-3.23
3160	6	20	-5	1.20	-3.85	-10.76	-1.58	8.88	-3.25
3156	6	20	0	1.23	-3.89	-10.74	-1.67	8.98	-3.36
3172	6	20	5	1.20	-3.92	-10.73	-1.69	8.56	-3.28
3176	6	20	10	1.21	-3.87	-10.75	-1.63	9.07	-3.35
3180	6	20	15	1.19	-3.85	-10.76	-1.61	8.94	-3.25

* Indicates model was close to heave stop

TABLE 7.221.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2935		0	-10	-15	-1.99	-3.60	-12.30	-0.38	26.40	-13.73
2936		0	-10	-15	-1.92	-3.48	-12.28	-0.35	26.25	-13.35
2931		0	-10	-10	-1.60	-0.85	-11.82	0.40	23.99	-5.79
2927		0	-10	-5	-1.41	0.86	-11.52	0.95	22.78	-0.66
2913		0	-10	0	-1.27	1.82	-11.35	1.11	22.24	2.43
2917		0	-10	5	-1.31	2.70	-11.19	1.35	22.42	5.17
2921		0	-10	10	-1.70	4.40	-10.89	1.72	23.23	9.20
2925	*	0	-10	15	-2.18	7.63	-10.32	2.25	24.25	17.04
2832	*		0	-15	-2.13	-7.21	-11.49	-1.78	22.86	-21.94
2826		0	0	-10	-1.70	-3.16	-11.49	-0.58	22.61	-10.42
2822		0	0	-5	-1.38	-1.22	-11.49	-0.02	22.03	-4.65
2799		0	0	0	-1.33	-0.20	-11.49	0.16	22.22	-1.49
2803		0	0	5	-1.38	0.49	-11.49	0.36	22.83	0.70
2817		0	0	10	-1.58	1.83	-11.49	0.72	24.11	4.18
2860	*	0	10	-15	-2.40	-8.33	-10.20	-2.16	19.74	-23.82
2856		0	10	-10	-1.82	-5.64	-10.67	-1.72	19.85	-15.63
2852		0	10	-5	-1.48	-3.40	-11.07	-1.19	20.56	-8.95
2836		0	10	0	-1.30	-2.37	-11.25	-1.11	21.27	-5.77
2840		0	10	5	-1.33	-1.50	-11.40	-0.82	22.31	-3.27
2844		0	10	10	-1.54	-0.45	-11.59	-0.40	23.84	-0.62
2848		0	10	15	-1.98	1.81	-11.99	0.28	27.26	4.37
2849		0	10	15	-1.99	1.81	-11.99	0.31	27.25	4.35
2894	*	0	20	-15	-2.58	-10.11	-8.55	-2.67	15.22	-27.26
2890		0	20	-10	-1.89	-6.73	-9.78	-2.21	17.33	-16.83
2886		0	20	-5	-1.51	-5.28	-10.30	-2.04	18.61	-12.40
2865		0	20	0	-1.27	-4.19	-10.70	-1.89	19.94	-9.33
2869		0	20	5	-1.26	-3.39	-10.99	-1.72	21.14	-7.21
2873		0	20	10	-1.38	-2.26	-11.40	-1.35	23.31	-4.54
2877		0	20	15	-1.75	-0.45	-12.06	-0.67	26.65	-0.64
3073		3	-10	-15	-0.91	-1.25	-11.95	-0.09	20.19	-4.09
3069		3	-10	-10	-0.78	0.51	-11.64	0.72	18.17	-0.76
3065		3	-10	-5	-0.70	1.70	-11.42	1.19	17.15	1.54
3048		3	-10	0	-0.64	2.50	-11.28	1.48	16.85	2.99
3052		3	-10	5	-0.73	3.46	-11.11	1.78	17.16	4.73
3057		3	-10	10	-0.93	5.07	-10.84	2.15	18.09	7.52
3060		3	-10	15	-1.33	8.75	-10.21	3.02	19.34	13.81
2968		3	0	-15	-1.05	-4.05	-11.56	-1.39	17.97	-9.24
2963		3	0	-10	-0.83	-1.79	-11.55	-0.54	16.81	-4.33
2959		3	0	-5	-0.76	-0.53	-11.55	-0.08	16.58	-1.79
2943		3	0	0	-0.67	0.29	-11.54	0.30	16.73	-0.28
2947		3	0	5	-0.74	1.17	-11.54	0.68	17.32	1.26
2951		3	0	10	-0.92	2.51	-11.55	1.10	18.52	3.39
2955		3	0	15	-1.25	5.34	-11.57	1.95	20.70	7.73

* Indicates model was close to heave stop

TABLE 7.221.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2985	3	10	-15	-1.10	-6.08	-10.67	-2.22	15.78	-12.21
2986	3	10	-15	-1.09	-6.07	-10.67	-2.19	15.79	-12.27
2981	3	10	-10	-0.88	-3.77	-11.06	-1.51	15.86	-7.25
2977	3	10	-5	-0.78	-2.63	-11.26	-1.19	15.96	-4.84
2973	3	10	0	-0.70	-1.66	-11.43	-0.78	16.33	-2.98
2990	3	10	5	-0.76	-0.96	-11.55	-0.56	16.93	-1.94
2994	3	10	10	-0.81	0.30	-11.78	0.13	18.43	-0.18
2998	3	10	15	-1.04	2.12	-12.11	0.78	20.86	2.35
3043	3	20	-15	-1.18	-7.50	-9.58	-2.28	13.98	-14.51
3038	3	20	-10	-0.86	-5.79	-10.18	-2.19	14.43	-10.26
3034	3	20	-5	-0.82	-4.29	-10.73	-1.79	15.31	-7.11
3004	3	20	0	-0.72	-3.54	-11.00	-1.68	15.84	-5.77
3008	3	20	5	-0.73	-2.65	-11.32	-1.40	16.56	-4.42
3025	3	20	10	-0.68	-1.52	-11.73	-0.99	17.84	-2.97
3030	3	20	15	-0.82	-0.29	-12.19	-0.42	20.06	-1.44
3199	6	-10	-15	-0.33	-0.74	-11.90	0.00	14.61	-0.79
3195	6	-10	-10	-0.31	0.48	-11.68	0.56	13.66	0.38
3191	6	-10	-5	-0.32	1.62	-11.48	1.05	13.09	1.46
3187	6	-10	0	-0.31	2.81	-11.27	1.54	12.87	2.74
3203	6	-10	5	-0.45	4.01	-11.07	2.03	13.16	4.12
3207	6	-10	10	-0.57	5.78	-10.77	2.55	13.77	6.03
3211	6	-10	15	-0.73	9.15	-10.20	3.54	15.00	10.07
3212	6	-10	15	-0.84	9.43	-10.16	3.69	14.91	10.49
3107	6	0	-15	-0.42	-2.67	-11.60	-1.00	13.52	-3.47
3102	6	0	-10	-0.37	-1.40	-11.59	-0.45	12.92	-1.93
3098	6	0	-5	-0.37	-0.28	-11.59	0.06	12.85	-0.65
3082	6	0	0	-0.28	0.78	-11.58	0.54	12.92	0.50
3085	6	0	5	-0.35	1.83	-11.59	1.01	13.35	1.60
3090	6	0	10	-0.49	3.32	-11.61	1.63	14.19	3.14
3094	6	0	15	-0.62	5.59	-11.62	2.32	15.57	5.40
3151	6	10	-15	-0.50	-4.81	-10.94	-1.88	12.70	-5.98
3147	6	10	-10	-0.38	-3.20	-11.21	-1.32	12.53	-3.85
3143	6	10	-5	-0.36	-2.05	-11.41	-0.82	12.57	-2.45
3126	6	10	0	-0.28	-0.97	-11.59	-0.39	12.91	-1.26
3130	6	10	5	-0.30	0.14	-11.79	0.05	13.54	-0.45
3135	6	10	10	-0.37	1.25	-11.99	0.60	14.55	0.61
3139	6	10	15	-0.53	2.82	-12.29	1.29	15.88	2.06
3169	6	20	-15	-0.58	-7.36	-9.68	-2.69	11.26	-9.12
3165	6	20	-10	-0.50	-5.30	-10.42	-2.15	11.66	-6.27
3161	6	20	-5	-0.46	-3.98	-10.90	-1.69	12.12	-4.59
3157	6	20	0	-0.42	-2.90	-11.29	-1.39	12.62	-3.45
3173	6	20	5	-0.56	-1.52	-11.80	-0.82	13.41	-2.07
3177	6	20	10	-0.50	-0.38	-12.21	-0.26	14.70	-1.23
3181	6	20	15	-0.49	0.64	-12.58	0.31	15.60	-0.26

* Indicates model was close to heave stop

TABLE 7.223.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2937	*	0	-10	-15	-7.93	-21.90	-15.53	-6.91	42.37	-62.63
2939	*	0	-10	-15	-7.72	-22.01	-15.55	-6.79	40.71	-63.30
2932		0	-10	-10	-5.37	-9.48	-13.34	-2.39	37.00	-30.71
2928		0	-10	-5	-4.37	-2.92	-12.18	-0.34	31.53	-11.71
2914		0	-10	0	-4.06	1.30	-11.44	1.03	27.44	-0.89
2918		0	-10	5	-4.85	6.41	-10.54	2.31	28.84	8.65
2922	*	0	-10	10	-6.40	17.73	-8.54	5.27	30.61	30.94
2833	*	0	0	-15	-7.07	-28.64	-11.49	-8.48	27.22	-81.71
2828		0	0	-10	-5.84	-13.04	-11.49	-3.29	25.63	-39.24
2823		0	0	-5	-4.38	-4.65	-11.49	-0.93	26.43	-16.12
2800		0	0	0	-4.05	-0.69	-11.49	0.38	27.34	-5.45
2804		0	0	5	-4.53	2.82	-11.49	1.41	30.72	2.78
2818	*	0	0	10	-6.37	13.73	-11.49	4.43	36.73	20.77
2857		0	10	-10	-5.68	-18.19	-8.46	-4.95	13.72	-52.16
2853		0	10	-5	-4.54	-7.44	-10.36	-2.10	19.73	-21.88
2837		0	10	0	-4.00	-2.76	-11.18	-0.79	23.39	-9.64
2841		0	10	5	-4.14	0.51	-11.76	0.60	28.75	-2.10
2845		0	10	10	-4.95	5.71	-12.67	2.59	34.22	7.95
2850	*	0	10	15	-6.86	20.33	-15.25	7.28	45.65	33.35
2896	*	0	20	-15	-9.24	-30.73	-1.04	-8.92	18.91	-89.67
2892		0	20	-10	-6.14	-15.68	-6.52	-4.36	21.23	-45.03
2887		0	20	-5	-4.43	-9.60	-8.73	-2.95	15.69	-26.02
2866		0	20	0	-3.88	-4.85	-10.46	-1.88	20.01	-13.16
2870		0	20	5	-3.79	-1.39	-11.72	-0.53	25.38	-6.19
2874		0	20	10	-3.45	1.22	-12.67	0.75	28.25	-1.17
2878		0	20	15	-3.05	3.57	-13.53	1.48	28.23	3.15
2883		0	20	15	-3.07	3.43	-13.48	1.33	28.42	2.90
3074		3	-10	-15	-1.66	-3.24	-12.34	-1.15	20.73	-6.06
3070		3	-10	-10	-1.70	-1.20	-11.99	-0.05	20.78	-2.78
3066		3	-10	-5	-1.79	0.70	-11.66	0.94	20.87	0.46
3049		3	-10	0	-2.04	3.58	-11.16	2.12	20.12	4.14
3053		3	-10	5	-2.61	7.35	-10.53	3.43	21.12	9.26
3054		3	-10	5	-2.59	7.38	-10.52	3.44	21.04	9.32
3058		3	-10	10	-3.78	16.73	-8.93	6.31	24.40	23.07
3062	*	3	-10	15	-5.75	35.98	-5.64	11.69	29.26	58.13
2969		3	0	-15	-3.85	-13.86	-11.71	-5.36	25.89	-29.56
2964		3	0	-10	-2.45	-4.62	-11.63	-1.85	20.64	-10.63
2960		3	0	-5	-2.08	-1.06	-11.61	-0.29	18.88	-3.44
2944		3	0	0	-2.00	1.03	-11.61	0.69	18.98	-0.11
2948		3	0	5	-2.14	3.83	-11.62	2.00	20.23	3.82
2953		3	0	10	-2.76	8.58	-11.65	3.95	23.50	9.82
2956		3	0	15	-4.43	20.97	-11.74	8.05	32.52	27.89

* Indicates model was close to heave stop

TABLE 7.223.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2987	3	10	-15	-2.30	-9.31	-10.16	-4.03	24.23	-16.69
2982	3	10	-10	-2.88	-7.05	-10.59	-2.82	18.19	-14.12
2978	3	10	-5	-2.18	-2.64	-11.33	-1.29	17.67	-5.88
2974	3	10	0	-1.89	-0.63	-11.67	-0.26	17.99	-2.63
2991	3	10	5	-1.58	1.11	-11.96	0.74	17.67	0.17
2995	3	10	10	-1.55	3.19	-12.33	1.98	17.34	2.97
2999	3	10	15	-1.56	5.79	-12.79	3.46	17.53	6.15
3044	3	20	-15	-2.98	-14.13	-7.27	-4.28	19.34	-27.16
3039	3	20	-10	-2.61	-9.07	-9.09	-3.32	18.33	-17.23
3035	3	20	-5	-2.30	-4.42	-10.76	-1.98	16.63	-7.67
3005	3	20	0	-1.94	-1.64	-11.75	-0.92	17.34	-3.97
3009	3	20	5	-1.71	0.01	-12.34	-0.02	16.59	-1.63
3026	3	20	10	-1.38	1.04	-12.70	0.42	14.86	-0.36
3031	3	20	15	-1.19	2.19	-13.11	0.86	12.83	0.95
3200	6	-10	-15	-0.49	-0.99	-11.96	-0.19	9.35	-0.30
3196	6	-10	-10	-0.63	0.01	-11.80	0.36	10.68	0.35
3192	6	-10	-5	-0.64	1.13	-11.60	1.03	12.23	1.41
3188	6	-10	0	-1.11	3.58	-11.22	2.21	13.25	3.32
3204	6	-10	5	-1.49	7.17	-10.63	3.60	14.28	6.29
3208	6	-10	10	-1.84	13.11	-9.62	5.79	16.17	12.10
3213	6	-10	15	-3.00	28.05	-7.11	10.62	21.16	31.51
3108	6	0	-15	-0.91	-2.98	-11.65	-1.46	12.04	-3.10
3103	6	0	-10	-0.63	-1.31	-11.62	-0.53	11.51	-1.42
3104	6	0	-10	-0.65	-1.33	-11.62	-0.53	11.22	-1.41
3099	6	0	-5	-0.68	0.06	-11.62	0.34	10.96	-0.03
3081	6	0	0	-0.74	1.31	-11.63	1.08	11.09	1.10
3086	6	0	5	-0.82	3.07	-11.64	2.08	11.62	2.58
3091	6	0	10	-1.08	5.79	-11.67	3.43	12.71	4.69
3095	6	0	15	-1.50	11.31	-11.71	5.69	15.97	9.41
3152	6	10	-15	-1.45	-6.75	-10.70	-2.93	14.13	-7.79
3148	6	10	-10	-1.13	-2.95	-11.33	-1.47	12.99	-3.61
3144	6	10	-5	-0.83	-0.93	-11.66	-0.36	11.44	-1.32
3127	6	10	0	-0.71	0.37	-11.87	0.44	9.86	0.06
3131	6	10	5	-0.58	1.44	-12.05	1.05	8.35	0.63
3136	6	10	10	-0.61	2.74	-12.28	1.88	7.41	1.61
3140	6	10	15	-0.57	3.65	-12.44	2.29	6.69	1.96
3170	6	20	-15	-1.86	-12.53	-7.94	-4.53	11.62	-15.85
3166	6	20	-10	-1.48	-5.76	-10.37	-2.49	12.75	-6.97
3162	6	20	-5	-1.25	-2.27	-11.61	-1.20	12.66	-3.18
3158	6	20	0	-1.14	-0.02	-12.42	-0.24	11.71	-0.83
3174	6	20	5	-0.92	0.10	-12.44	0.08	9.00	-0.25
3178	6	20	10	-0.76	0.27	-12.48	0.15	7.63	-0.12
3182	6	20	15	-0.80	0.97	-12.74	0.40	6.48	0.52

* Indicates model was close to heave stop

TABLE 7.224.1 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2933	0	-10	-10	-8.82	-17.04	-14.67	-4.91	52.29	-55.57
2929	0	-10	-5	-6.91	-6.40	-12.80	-1.51	43.16	-22.49
2915	0	-10	0	-6.13	-0.20	-11.70	0.47	35.65	-3.75
2919	0	-10	5	-8.50	10.74	-9.77	3.71	35.78	12.32
2829	0	0	-10	-9.78	-21.15	-11.49	-5.51	32.32	-68.37
2824	0	0	-5	-6.88	-7.93	-11.49	-1.79	33.50	-28.28
2801	0	0	0	-6.11	-1.90	-11.49	0.19	34.44	-10.25
2805	0	0	5	-7.16	5.26	-11.49	2.48	38.12	4.77
2820 *	0	0	10	-9.80	22.34	-11.49	7.53	46.67	33.93
2858	0	10	-10	-8.90	-27.53	-6.81	-7.00	12.01	-86.05
2854	0	10	-5	-7.67	-10.67	-9.79	-2.74	21.19	-35.38
2838	0	10	0	-6.11	-3.47	-11.05	-0.56	28.19	-15.29
2842	0	10	5	-6.53	2.26	-12.07	1.79	34.87	-1.76
2846	0	10	10	-6.15	7.01	-12.90	3.97	37.50	9.39
2893	0	20	-10	-10.09	-22.54	-4.02	-6.14	25.81	-72.78
2888	0	20	-5	-7.16	-13.30	-7.39	-3.66	14.47	-40.54
2867	0	20	0	-6.29	-4.95	-10.43	-1.53	21.98	-17.37
2871	0	20	5	-5.44	-0.22	-12.15	0.48	28.92	-7.28
2875	0	20	10	-4.19	2.30	-13.07	0.84	28.27	-0.98
2879	0	20	15	-3.65	4.61	-13.90	1.08	26.83	3.62
2884	0	20	15	-3.60	4.50	-13.87	1.02	26.98	3.47
3075	3	-10	-15	-2.21	-5.29	-12.73	-2.03	18.19	-8.45
3071	3	-10	-10	-2.31	-2.47	-12.24	-0.46	20.29	-4.75
3067	3	-10	-5	-2.49	0.47	-11.73	1.09	22.32	0.06
3050	3	-10	0	-3.03	4.38	-11.07	2.75	23.13	5.23
3055	3	-10	5	-4.14	12.30	-9.73	5.62	25.21	14.98
3059	3	-10	10	-6.08	28.23	-7.03	10.56	31.86	38.52
2970	3	0	-15	-6.15	-21.61	-11.83	-8.60	33.14	-48.45
2965	3	0	-10	-3.67	-5.96	-11.70	-2.65	23.21	-14.85
2961	3	0	-5	-2.76	-1.36	-11.65	-0.28	20.08	-4.55
2945	3	0	0	-2.77	1.78	-11.65	1.16	19.76	0.63
2949	3	0	5	-2.91	6.07	-11.66	3.28	21.24	6.37
2952	3	0	10	-3.65	12.77	-11.70	6.34	25.00	14.61
2957	3	0	15	-6.36	31.76	-11.84	12.67	40.60	41.94

* Indicates model was close to heave stop

TABLE 7.224.2 - STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2988	3	10	-15	-3.11	-13.28	-9.51	-5.67	21.51	-22.23
2983	3	10	-10	-4.81	-9.46	-10.27	-3.88	21.18	-21.46
2979	3	10	-5	-3.17	-2.36	-11.44	-1.31	19.18	-7.02
2975	3	10	0	-2.51	0.39	-11.89	0.25	16.89	-1.48
2992	3	10	5	-1.90	2.90	-12.30	1.78	13.02	2.22
2996	3	10	10	-1.75	5.59	-12.76	3.30	10.58	4.94
3000	3	10	15	-1.47	7.65	-13.11	4.23	7.73	6.48
3045	3	20	-15	-3.96	-17.72	-6.01	-5.36	19.30	-32.44
3040	3	20	-10	-4.03	-11.49	-8.29	-4.11	22.52	-24.38
3041	3	20	-10	-4.0*	-11.42	-8.31	-4.13	22.50	-24.10
3036	3	20	-5	-3.88	-3.18	-11.30	-1.58	18.92	-8.11
3006	3	20	0	-2.71	-0.08	-12.37	-0.35	17.01	-1.72
3010	3	20	5	-1.77	0.88	-12.66	0.18	12.96	0.01
3027	3	20	10	-1.27	1.74	-12.95	0.47	10.37	1.03
3028	3	20	10	-1.18	1.59	-12.89	0.40	10.22	0.92
3032	3	20	15	-0.91	2.40	-13.17	0.62	7.97	1.73
3201	6	-10	-15	-0.56	-1.17	-12.00	0.02	3.62	-0.39
3197	6	-10	-10	-0.88	0.15	-11.80	0.70	4.96	0.33
3193	6	-10	-5	-0.76	1.70	-11.51	1.58	7.22	1.58
3189	6	-10	0	-1.37	4.15	-11.15	2.83	10.56	3.57
3205	6	-10	5	-1.89	9.10	-10.33	4.96	12.46	7.21
3209	6	-10	10	-2.18	16.86	-8.99	7.77	15.44	13.58
3109	6	0	-15	-0.89	-3.15	-11.65	-1.55	6.01	-2.00
3105	6	0	-10	-0.68	-1.31	-11.62	-0.43	5.16	-0.58
3100	6	0	-5	-0.70	0.62	-11.63	0.76	4.91	0.67
3083	6	0	0	-0.70	2.50	-11.63	1.89	5.11	1.93
3087	6	0	5	-0.77	4.22	-11.63	2.95	5.49	3.05
3092	6	0	10	-0.98	6.55	-11.66	4.38	6.66	4.58
3096	6	0	15	-0.16	5.15	-11.57	3.35	1.06	2.34
3153	6	10	-15	-2.03	-7.40	-10.64	-3.52	12.39	-7.09
3149	6	10	-10	-1.23	-2.55	-11.41	-1.45	9.67	-2.34
3145	6	10	-5	-0.93	-0.66	-11.71	-0.22	6.25	-0.17
3128	6	10	0	-0.62	0.92	-11.96	0.62	4.43	1.13
3132	6	10	5	-0.59	2.25	-12.19	1.26	3.37	1.66
3137	6	10	10	-0.38	3.27	-12.35	1.78	3.42	2.04
3141	6	10	15	-0.47	4.55	-12.58	2.37	1.83	2.65
3171	6	20	-15	-2.77	-17.11	-6.38	-6.19	11.10	-20.80
3167	6	20	-10	-2.03	-5.75	-10.43	-2.67	11.81	-5.90
3163	6	20	-5	-1.57	-1.10	-12.07	-0.91	10.42	-1.40
3159	6	20	0	-1.04	0.57	-12.62	-0.17	7.77	0.52
3175	6	20	5	-0.54	-0.56	-12.15	-0.50	4.52	0.42
3179	6	20	10	-0.53	0.01	-12.36	-0.31	2.99	1.06
3183	6	20	15	-0.56	0.53	-12.55	-0.10	2.23	1.42

* Indicates model was close to heave stop

TABLE 8.101.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2113	-2	-10	0	-0.0692	0.0712	-0.3787	0.0471	1.1711	0.2255
2117	-2	-10	5	-0.0761	0.1108	-0.3736	0.0596	1.1586	0.4026
2121	-2	-10	10	-0.0959	0.1895	-0.3579	0.0850	1.1456	0.7338
2123 *	-2	-10	15	-0.1086	0.2895	-0.3399	0.1035	1.1303	1.1287
2060	-2	0	0	-0.0713	-0.0007	-0.3873	0.0078	1.2231	0.0001
2063	-2	0	0	-0.0713	-0.0010	-0.3873	0.0090	1.2231	0.0001
2066	-2	0	5	-0.0758	0.0326	-0.3861	0.0118	1.2325	0.1477
2068	-2	0	10	-0.0867	0.0881	-0.3868	0.0350	1.2521	0.3854
2071 *	-2	0	15	-0.1062	0.1819	-0.3861	0.0620	1.2835	0.7750
2075	-2	10	0	-0.0680	-0.0738	-0.3793	-0.0427	1.1665	-0.2310
2079	-2	10	5	-0.0689	-0.0457	-0.3853	-0.0368	1.2142	-0.1063
2082	-2	10	10	-0.0750	-0.0031	-0.3915	-0.0325	1.2648	0.0696
2084	-2	10	15	-0.0920	0.0761	-0.4049	-0.0073	1.3507	0.3902
2091	-2	20	0	-0.0640	-0.1379	-0.3611	-0.0776	1.0756	-0.4086
2095	-2	20	5	-0.0677	-0.1117	-0.3683	-0.0709	1.1571	-0.3005
2099	-2	20	10	-0.0748	-0.0709	-0.3862	-0.0532	1.2632	-0.1514
2102	-2	20	15	-0.0741	-0.0019	-0.4080	-0.0187	1.3854	0.0864
1830	0	-10	0	-0.0423	0.0645	-0.3831	0.0526	1.0111	0.1619
1834	0	-10	5	-0.0473	0.0910	-0.3774	0.0585	0.9837	0.2607
1840	0	-10	10	-0.0585	0.1441	-0.3702	0.0636	0.9841	0.4573
1844	0	-10	15	-0.0735	0.2435	-0.3516	0.0639	0.9798	0.8069
1761	0	0	0	-0.0423	-0.0007	-0.3885	0.0027	1.0323	-0.0023
1765	0	0	5	-0.0444	0.0147	-0.3885	0.0071	1.0356	0.0586
1769	0	0	10	-0.0507	0.0420	-0.3864	0.0108	1.0438	0.1617
1774	0	0	15	-0.0660	0.1101	-0.3885	0.0263	1.0908	0.4069
1780	0	10	0	-0.0440	-0.0661	-0.3828	-0.0495	1.0072	-0.1653
1784	0	10	5	-0.0451	-0.0480	-0.3860	-0.0439	1.0408	-0.1025
1788	0	10	10	-0.0482	-0.0232	-0.3904	-0.0329	1.0784	-0.0202
1789	0	10	10	-0.0482	-0.0242	-0.3902	-0.0329	1.0736	-0.0242
1793	0	10	15	-0.0566	0.0173	-0.3976	-0.0119	1.1517	0.0984
1810	0	21	0	-0.0373	-0.1408	-0.3621	-0.0952	0.9100	-0.3479
1815	0	21	5	-0.0405	-0.1164	-0.3726	-0.0895	0.9782	-0.2699
1820	0	21	10	-0.0423	-0.0773	-0.3876	-0.0701	1.0569	-0.1606
1824	0	21	15	-0.0488	-0.0333	-0.4034	-0.0484	1.1748	-0.0602
1919	3	-11	0	-0.0186	0.0724	-0.3832	0.0575	0.7562	0.1343
1923	3	-11	5	-0.0227	0.1015	-0.3778	0.0699	0.7405	0.1997
1927	3	-11	10	-0.0275	0.1445	-0.3697	0.0754	0.7404	0.3007
1931	3	-11	15	-0.0354	0.2318	-0.3521	0.0825	0.7468	0.5239
1851	3	0	0	-0.0162	0.0014	-0.3899	0.0031	0.7550	0.0056
1855	3	0	0	-0.0186	0.0014	-0.3900	0.0013	0.7546	0.0055
1857	3	0	5	-0.0203	0.0221	-0.3901	0.0116	0.7638	0.0448
1861	3	0	10	-0.0238	0.0514	-0.3903	0.0241	0.7939	0.1015
1865	3	0	15	-0.0284	0.0945	-0.3905	0.0377	0.8508	0.1923

* Indicates model was close to heave stop

TABLE 8.101.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1881	3	10	0	-0.0202	-0.0652	-0.3836	-0.0527	0.7488	-0.1153
1885	3	10	5	-0.0189	-0.0403	-0.3890	-0.0434	0.7734	-0.0670
1889	3	10	10	-0.0197	-0.0085	-0.3946	-0.0199	0.8066	-0.0115
1895	3	10	15	-0.0234	0.0237	-0.4016	0.0008	0.8859	0.0305
1901	3	21	0	-0.0230	-0.1380	-0.3651	-0.0992	0.7158	-0.2501
1905	3	21	5	-0.0243	-0.1006	-0.3795	-0.0869	0.7638	-0.1802
1909	3	21	10	-0.0248	-0.0581	-0.3958	-0.0686	0.8142	-0.1063
1913	3	21	15	-0.0233	-0.0238	-0.4089	-0.0407	0.8893	-0.0636
2023	6	-10	0	-0.0146	0.0604	-0.3876	0.0471	0.5936	0.0851
2027	6	-10	5	-0.0153	0.0952	-0.3815	0.0681	0.5823	0.1295
2031	6	-10	10	-0.0171	0.1411	-0.3736	0.0908	0.5831	0.1974
2035	6	-10	15	-0.0187	0.2135	-0.3610	0.1219	0.5908	0.3115
1964	6	0	0	-0.0092	0.0000	-0.3916	0.0021	0.5969	0.0046
1969	6	0	5	-0.0093	0.0323	-0.3916	0.0287	0.6020	0.0388
1973	6	0	10	-0.0117	0.0669	-0.3919	0.0617	0.6206	0.0796
1977	6	0	15	-0.0137	0.1090	-0.3932	0.0815	0.6499	0.1304
1983	6	10	0	-0.0143	-0.0571	-0.3881	-0.0222	0.5985	-0.0689
1987	6	10	5	-0.0127	-0.0217	-0.3953	0.0007	0.6127	-0.0258
1991	6	10	10	-0.0101	0.0142	-0.4003	0.0294	0.6465	0.0038
1996	6	10	15	-0.0099	0.0387	-0.4046	0.0340	0.6707	0.0274
2003	6	20	0	-0.0149	-0.1183	-0.3744	-0.0628	0.5792	-0.1543
2008	6	20	5	-0.0173	-0.0737	-0.3908	-0.0325	0.6185	-0.0949
2012	6	20	10	-0.0158	-0.0271	-0.4076	-0.0073	0.6634	-0.0493
2016	6	20	15	-0.0153	-0.0075	-0.4147	0.0031	0.6975	-0.0338

* Indicates model was close to heave stop

TABLE 8.103.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2114	-2	-10	0	-0.0610	0.0329	-0.0906	0.0182	0.2628	0.1074
2118	-2	-10	5	-0.0701	0.0917	-0.0800	0.0365	0.2165	0.3537
2064	-2	0	0	-0.0587	0.0014	-0.0951	0.0016	0.2691	0.0055
2067	-2	0	5	-0.0660	0.0554	-0.0949	0.0233	0.2707	0.2288
2076	-2	10	0	-0.0570	-0.0291	-0.0917	-0.0167	0.2659	-0.0937
2080	-2	10	5	-0.0631	0.0111	-0.0984	-0.0061	0.3139	0.0758
2092	-2	20	0	-0.0506	-0.0404	-0.0866	-0.0218	0.2646	-0.1121
2096	-2	20	5	-0.0484	-0.0050	-0.0998	-0.0050	0.3475	0.0265
2100	-2	20	10	-0.0540	0.0393	-0.1157	0.0119	0.4588	0.1789
2103	-2	20	15	-0.0451	0.0210	-0.1095	0.0256	0.5227	0.0718
1831	0	-10	0	-0.0315	0.0161	-0.0957	0.0128	0.3005	0.0291
1835	0	-10	5	-0.0423	0.0490	-0.0901	0.0216	0.2975	0.1336
1841	0	-10	10	-0.0576	0.1303	-0.0753	0.0391	0.2783	0.3914
1845	0	-10	15	-0.0594	0.2224	-0.0595	0.0522	0.2575	0.6571
1762	0	0	0	-0.0300	0.0001	-0.0971	0.0012	0.3103	-0.0012
1766	0	0	5	-0.0385	0.0214	-0.0970	0.0108	0.3297	0.0450
1770 *	0	0	10	-0.0624	0.1005	-0.0971	0.0337	0.3763	0.2726
1775 *	0	0	15	-0.0660	0.1672	-0.0973	0.0474	0.4192	0.4657
1781	0	10	0	-0.0308	-0.0160	-0.0958	-0.0115	0.3008	-0.0346
1785	0	10	5	-0.0326	0.0021	-0.0990	0.0004	0.3510	0.0059
1790	0	10	10	-0.0335	0.0169	-0.1017	0.0111	0.3911	0.0401
1794	0	10	15	-0.0315	0.0288	-0.1036	0.0234	0.4008	0.0692
1811	0	21	0	-0.0303	-0.0346	-0.0909	-0.0218	0.2548	-0.0816
1816	0	21	5	-0.0306	-0.0095	-0.1008	-0.0114	0.3310	-0.0252
1821	0	21	10	-0.0235	-0.0040	-0.1025	-0.0046	0.3512	-0.0213
1825	0	21	15	-0.0185	-0.0051	-0.1021	-0.0099	0.2844	-0.0272
1920	3	-11	0	-0.0145	0.0125	-0.0973	0.0129	0.2210	0.0247
1924	3	-11	5	-0.0188	0.0383	-0.0926	0.0239	0.2154	0.0702
1928	3	-11	10	-0.0278	0.0906	-0.0825	0.0393	0.2220	0.1804
1933	3	-11	15	-0.0448	0.2410	-0.0545	0.0785	0.2297	0.5832
1852	3	0	0	-0.0106	-0.0001	-0.0978	-0.0000	0.2215	0.0012
1858	3	0	5	-0.0132	0.0105	-0.0978	0.0084	0.2211	0.0165
1862	3	0	10	-0.0157	0.0283	-0.0982	0.0183	0.2309	0.0423
1866	3	0	15	-0.0206	0.0621	-0.0985	0.0336	0.2588	0.0941

* Indicates model was close to heave stop

TABLE 8.103.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1882	3	10	0	-0.0140	-0.0119	-0.0977	-0.0126	0.2181	-0.0201
1886	3	10	5	-0.0112	-0.0017	-0.0992	-0.0044	0.2161	-0.0063
1890	3	10	10	-0.0087	0.0033	-0.1000	0.0024	0.1815	0.0025
1891	3	10	10	-0.0087	0.0029	-0.0999	0.0020	0.1810	0.0014
1896	3	10	15	-0.0064	0.0069	-0.0999	0.0058	0.1364	0.0053
1902	3	21	0	-0.0183	-0.0306	-0.0936	-0.0245	0.2123	-0.0539
1906	3	21	5	-0.0133	-0.0073	-0.1021	-0.0137	0.2226	-0.0200
1910	3	21	10	-0.0078	-0.0064	-0.1022	-0.0117	0.1765	-0.0178
1914	3	21	15	-0.0046	-0.0072	-0.1018	-0.0140	0.1347	-0.0142
2024	6	-10	0	-0.0068	0.0055	-0.0989	0.0052	0.1345	0.0121
2028	6	-10	5	-0.0101	0.0190	-0.0966	0.0157	0.1479	0.0243
2032	6	-10	10	-0.0126	0.0476	-0.0924	0.0314	0.1577	0.0564
2036	6	-10	15	-0.0156	0.1054	-0.0824	0.0573	0.1710	0.1335
1965	6	0	0	-0.0037	0.0003	-0.0982	0.0002	0.1169	0.0025
1970	6	0	5	-0.0027	0.0036	-0.0981	0.0051	0.1159	0.0060
1974	6	0	10	-0.0040	0.0086	-0.0981	0.0124	0.1202	0.0101
1978	6	0	15	-0.0060	0.0186	-0.0984	0.0207	0.1219	0.0167
1984	6	10	0	-0.0065	-0.0041	-0.0990	-0.0005	0.1287	-0.0056
1988	6	10	5	-0.0042	-0.0012	-0.0995	0.0039	0.1048	-0.0021
1992	6	10	10	-0.0026	0.0011	-0.0998	0.0061	0.0852	0.0006
1997	6	10	15	-0.0014	0.0023	-0.0999	0.0062	0.0756	0.0015
2004	6	20	0	-0.0085	-0.0151	-0.0994	-0.0127	0.1500	-0.0195
2009	6	20	5	-0.0061	0.0024	-0.1056	-0.0037	0.1324	-0.0026
2013	6	20	10	-0.0030	-0.0076	-0.1018	-0.0078	0.0990	-0.0103
2017	6	20	15	-0.0026	-0.0086	-0.1012	-0.0085	0.0829	-0.0088

* Indicates model was close to heave stop

TABLE 8.104.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2115		-2	-10	0	-0.0631	0.0305	-0.0480	0.0211	0.1218	0.1017
2077		-2	10	0	-0.0626	-0.0264	-0.0485	-0.0154	0.1226	-0.0867
2093	*	-2	20	0	-0.0648	-0.0474	-0.0386	-0.0264	0.1137	-0.1801
2097	*	-2	20	5	-0.0645	0.0026	-0.0568	-0.0026	0.2214	0.0314
2105		-2	20	10	-0.0535	0.0194	-0.0631	0.0199	0.3681	0.0668
2107		-2	20	10	-0.0637	0.0746	-0.0827	0.0357	0.3374	0.2929
2109		-2	20	12	-0.0324	0.0098	-0.0605	0.0118	0.3133	0.0255
2104		-2	20	15	-0.0220	0.0043	-0.0589	0.0059	0.2561	0.0026
1832		0	-10	0	-0.0327	0.0063	-0.0543	0.0050	0.2149	0.0029
1836		0	-10	5	-0.0505	0.0489	-0.0470	0.0189	0.2094	0.1527
1842		0	-10	10	-0.0543	0.1169	-0.0349	0.0319	0.1869	0.3623
1846		0	-10	15	-0.0545	0.2130	-0.0177	0.0472	0.1538	0.6326
1763		0	0	0	-0.0309	-0.0003	-0.0546	0.0008	0.2291	-0.0026
1767		0	0	5	-0.0415	0.0157	-0.0545	0.0089	0.2514	0.0346
1772	*	0	0	10	-0.0587	0.0823	-0.0548	0.0271	0.2827	0.2377
1776	*	0	0	15	-0.0635	0.1583	-0.0547	0.0476	0.3156	0.4428
1782		0	10	0	-0.0322	-0.0061	-0.0544	-0.0032	0.2193	-0.0133
1786		0	10	5	-0.0270	0.0029	-0.0562	0.0037	0.2479	0.0055
1791		0	10	10	-0.0209	0.0072	-0.0568	0.0084	0.2243	0.0168
1795		0	10	15	-0.0151	0.0114	-0.0574	0.0101	0.1817	0.0232
1812		0	21	0	-0.0315	-0.0177	-0.0519	-0.0105	0.1798	-0.0436
1818		0	21	5	-0.0249	-0.0040	-0.0571	-0.0038	0.2336	-0.0199
1822		0	21	10	-0.0173	-0.0041	-0.0570	-0.0060	0.1823	-0.0210
1826		0	21	15	-0.0090	-0.0087	-0.0554	-0.0131	0.1253	-0.0207
1921		3	-11	0	-0.0108	0.0046	-0.0554	0.0058	0.1276	0.0126
1925		3	-11	5	-0.0168	0.0232	-0.0521	0.0151	0.1378	0.0424
1929		3	-11	10	-0.0256	0.0743	-0.0427	0.0317	0.1497	0.1495
1934		3	-11	15	-0.0400	0.2257	-0.0138	0.0724	0.1539	0.5512
1853		3	0	0	-0.0086	0.0003	-0.0550	-0.0000	0.1137	0.0016
1859		3	0	5	-0.0095	0.0041	-0.0552	0.0046	0.1153	0.0080
1863		3	0	10	-0.0108	0.0134	-0.0554	0.0113	0.1159	0.0183
1867		3	0	15	-0.0131	0.0306	-0.0555	0.0211	0.1301	0.0386

* Indicates model was close to heave stop

TABLE 8.104.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1883	3	10	0	-0.0104	-0.0037	-0.0555	-0.0062	0.1239	-0.0091
1887	3	10	5	-0.0072	-0.0001	-0.0557	-0.0020	0.0887	-0.0020
1893	3	10	10	-0.0045	0.0015	-0.0561	-0.0011	0.0677	0.0005
1897	3	10	15	-0.0034	0.0021	-0.0562	-0.0013	0.0573	0.0012
1903	3	21	0	-0.0154	-0.0141	-0.0542	-0.0134	0.1331	-0.0244
1907	3	21	5	-0.0079	-0.0052	-0.0572	-0.0090	0.1058	-0.0116
1911	3	21	10	-0.0042	-0.0057	-0.0567	-0.0102	0.0720	-0.0079
1915	3	21	15	-0.0031	-0.0077	-0.0557	-0.0122	0.0536	-0.0064
2025	6	-10	0	-0.0029	0.0054	-0.0552	0.0054	0.0501	0.0083
2029	6	-10	5	-0.0058	0.0086	-0.0548	0.0081	0.0636	0.0113
2033	6	-10	10	-0.0086	0.0246	-0.0525	0.0186	0.0776	0.0249
2037	6	-10	15	-0.0115	0.0640	-0.0459	0.0373	0.0940	0.0668
1966	6	0	0	-0.0011	0.0009	-0.0551	0.0006	0.0316	0.0021
1971	6	0	5	-0.0012	0.0029	-0.0551	0.0035	0.0334	0.0033
1975	6	0	10	-0.0014	0.0051	-0.0552	0.0068	0.0337	0.0047
1979	6	0	15	-0.0020	0.0074	-0.0552	0.0111	0.0351	0.0062
1985	6	10	0	-0.0032	-0.0040	-0.0556	-0.0030	0.0469	-0.0028
1989	6	10	5	-0.0019	-0.0028	-0.0555	-0.0014	0.0396	-0.0011
1994	6	10	10	-0.0013	-0.0018	-0.0555	-0.0023	0.0344	0.0002
1998	6	10	15	-0.0008	-0.0011	-0.0557	-0.0013	0.0321	0.0008
2005	6	20	0	-0.0059	-0.0056	-0.0572	-0.0068	0.0717	-0.0075
2010	6	20	5	-0.0033	-0.0011	-0.0583	-0.0040	0.0556	-0.0027
2014	6	20	10	-0.0016	-0.0073	-0.0558	-0.0099	0.0375	-0.0036
2018	6	20	15	-0.0010	-0.0085	-0.0554	-0.0084	0.0336	-0.0036

* Indicates model was close to heave stop

TABLE 8.111.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
754	0	-10	-15	-0.0650	-0.0019	-0.3981	0.0460	1.1716	-0.0873
750	0	-10	-10	-0.0549	0.0256	-0.3932	0.0419	1.1065	-0.0005
746	0	-10	-5	-0.0497	0.0504	-0.3878	0.0481	1.0667	0.0880
733	0	-10	0	-0.0473	0.0706	-0.3831	0.0534	1.0386	0.1649
737	0	-10	5	-0.0500	0.0948	-0.3800	0.0541	1.0230	0.2528
741	0	-10	10	-0.0628	0.1456	-0.3710	0.0329	1.0351	0.4421
665	0	0	-10	-0.0615	-0.0423	-0.3875	-0.0027	1.0635	-0.1882
661	0	0	-5	-0.0516	-0.0168	-0.3896	0.0012	1.0529	-0.0787
649	0	0	0	-0.0461	0.0045	-0.3854	0.0032	1.0432	0.0020
652	0	0	5	-0.0463	0.0184	-0.3885	0.0054	1.0534	0.0573
657	0	0	10	-0.0526	0.0390	-0.3864	0.0004	1.0646	0.1372
690	0	10	-10	-0.0649	-0.1418	-0.3663	-0.0499	0.9482	-0.4794
686	0	10	-5	-0.0524	-0.0888	-0.3778	-0.0589	0.9779	-0.2752
669	0	10	0	-0.0491	-0.0634	-0.3823	-0.0525	1.0086	-0.1775
673	0	10	5	-0.0475	-0.0451	-0.3855	-0.0504	1.0482	-0.1145
677	0	10	10	-0.0504	-0.0233	-0.3893	-0.0419	1.0856	-0.0344
682	0	10	15	-0.0577	0.0120	-0.3966	-0.0301	1.1471	0.0767
729	0	20	-10	-0.0629	-0.2470	-0.3258	-0.1056	0.7863	-0.7588
725	0	20	-5	-0.0493	-0.1628	-0.3553	-0.0968	0.8753	-0.4733
708	0	20	0	-0.0436	-0.1327	-0.3663	-0.0968	0.9292	-0.3615
712	0	20	5	-0.0447	-0.1078	-0.3753	-0.0922	0.9875	-0.2754
716	0	20	10	-0.0443	-0.0715	-0.3885	-0.0784	1.0596	-0.1691
721	0	20	15	-0.0467	-0.0312	-0.4032	-0.0583	1.1200	-0.0591
884	3	-10	-15	-0.0246	-0.0184	-0.4007	-0.0035	0.9193	-0.0408
888	3	-10	-10	-0.0199	0.0180	-0.3940	0.0214	0.8346	0.0207
892	3	-10	-5	-0.0210	0.0490	-0.3886	0.0391	0.7949	0.0749
896	3	-10	0	-0.0218	0.0749	-0.3841	0.0516	0.7752	0.1290
900	3	-10	5	-0.0236	0.1053	-0.3788	0.0648	0.7665	0.1947
904	3	-10	10	-0.0296	0.1550	-0.3704	0.0693	0.7815	0.3020
908	3	-10	15	-0.0405	0.2525	-0.3538	0.0726	0.8155	0.5334
803	3	0	-15	-0.0290	-0.0768	-0.3906	-0.0426	0.8621	-0.1790
799	3	0	-10	-0.0257	-0.0415	-0.3915	-0.0262	0.8060	-0.0970
795	3	0	-5	-0.0215	-0.0126	-0.3808	-0.0129	0.7618	-0.0350
760	3	0	0	-0.0180	0.0087	-0.3911	0.0003	0.7739	0.0081
764	3	0	5	-0.0213	0.0352	-0.3923	0.0159	0.7856	0.0590
768	3	0	10	-0.0259	0.0660	-0.3915	0.0298	0.8255	0.1141
809	3	0	10	-0.0254	0.0687	-0.3904	0.0286	0.8221	0.1235
772	3	0	15	-0.0323	0.1258	-0.3918	0.0413	0.8966	0.2344
789	3	0	15	-0.0311	0.1240	-0.3928	0.0420	0.8951	0.2333

* Indicates model was close to heave stop

TABLE 8.111.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
837	3	10	-15	-0.0347	-0.1898	-0.3634	-0.0756	0.7443	-0.4427
833	3	10	-10	-0.0263	-0.1131	-0.3765	-0.0688	0.7376	-0.2424
840	3	10	-10	-0.0341	-0.1298	-0.3740	-0.0900	0.7337	-0.2852
830	3	10	-5	-0.0230	-0.0788	-0.3824	-0.0620	0.7397	-0.1594
812	3	10	0	-0.0216	-0.0531	-0.3847	-0.0504	0.7546	-0.1036
813	3	10	0	-0.0207	-0.0534	-0.3867	-0.0494	0.7555	-0.1030
817	3	10	5	-0.0191	-0.0307	-0.3907	-0.0397	0.7733	-0.0593
821	3	10	10	-0.0200	0.0012	-0.3963	-0.0208	0.8156	-0.0089
825	3	10	15	-0.0234	0.0400	-0.4033	0.0046	0.8885	0.0502
876	3	20	-15	-0.0385	-0.3089	-0.3049	-0.1113	0.5987	-0.7279
871	3	20	-10	-0.0294	-0.2042	-0.3425	-0.1091	0.6582	-0.4493
854	3	20	-5	-0.0264	-0.1546	-0.3592	-0.1053	0.6898	-0.3211
842	3	20	0	-0.0261	-0.1217	-0.3712	-0.0960	0.7269	-0.2409
846	3	20	5	-0.0255	-0.0874	-0.3836	-0.0885	0.7641	-0.1720
850	3	20	10	-0.0264	-0.0439	-0.3995	-0.0673	0.8214	-0.0964
879	3	20	15	-0.0252	-0.0086	-0.4134	-0.0387	0.8836	-0.0409
1054	6	-10	-15	-0.0102	-0.0417	-0.4073	-0.0195	0.6964	-0.0437
1050	6	-10	-10	-0.0113	-0.0047	-0.3998	0.0059	0.6359	-0.0086
1045	6	-10	-5	-0.0140	0.0387	-0.3924	0.0316	0.6050	0.0404
1012	6	-10	0	-0.0138	0.0730	-0.3885	0.0444	0.6106	0.0887
1034	6	-10	0	-0.0118	0.0722	-0.3799	0.0429	0.5909	0.0865
1039	6	-10	5	-0.0162	0.1093	-0.3802	0.0559	0.5922	0.1344
1016	6	-10	10	-0.0193	0.1694	-0.3721	0.0786	0.6051	0.2289
1020	6	-10	15	-0.0248	0.2690	-0.3551	0.1030	0.6261	0.3892
1038	6	-10	15	-0.0216	0.2668	-0.3530	0.1086	0.6041	0.3856
938	6	0	-15	-0.0135	-0.0975	-0.3931	-0.0593	0.6522	-0.1318
934	6	0	-10	-0.0116	-0.0608	-0.3929	-0.0407	0.6283	-0.0822
930	6	0	-5	-0.0120	-0.0260	-0.3930	-0.0260	0.6091	-0.0487
913	6	0	0	-0.0114	0.0104	-0.3929	-0.0001	0.5996	-0.0003
918	6	0	5	-0.0119	0.0450	-0.3930	0.0163	0.6144	0.0432
922	6	0	10	-0.0134	0.0799	-0.3931	0.0338	0.6426	0.0842
926	6	0	15	-0.0165	0.1394	-0.3935	0.0564	0.6778	0.1635
979	6	10	-15	-0.0162	-0.1840	-0.3670	-0.0959	0.5781	-0.2770
975	6	10	-10	-0.0150	-0.1222	-0.3778	-0.0783	0.5707	-0.1789
971	6	10	-5	-0.0113	-0.0768	-0.3854	-0.0543	0.5758	-0.1035
955	6	10	0	-0.0121	-0.0415	-0.3928	-0.0368	0.5846	-0.0554
959	6	10	5	-0.0125	-0.0072	-0.3978	-0.0238	0.6063	-0.0184
963	6	10	10	-0.0104	0.0238	-0.4031	-0.0047	0.6489	0.0055
967	6	10	15	-0.0094	0.0544	-0.4084	0.0136	0.6719	0.0410
1003	6	20	-15	-0.0203	-0.2884	-0.3141	-0.1325	0.4860	-0.4735
999	6	20	-10	-0.0166	-0.2026	-0.3450	-0.1162	0.5236	-0.3138
995	6	20	-5	-0.0137	-0.1484	-0.3644	-0.1023	0.5507	-0.2215
983	6	20	0	-0.0124	-0.1049	-0.3801	-0.0843	0.5777	-0.1512
987	6	20	5	-0.0132	-0.0555	-0.3981	-0.0630	0.6152	-0.0839
991	6	20	10	-0.0131	-0.0160	-0.4125	-0.0427	0.6582	-0.0437
1007	6	20	15	-0.0150	-0.0003	-0.4207	-0.0297	0.6908	-0.0317

* Indicates model was close to heave stop

TABLE 8.113.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
755	0	-10	-15	-0.0381	-0.0243	-0.1039	-0.0138	0.4484	-0.0774
758	0	-10	-15	-0.0373	-0.0248	-0.1030	-0.0160	0.4431	-0.0802
751	0	-10	-10	-0.0408	-0.0182	-0.1026	-0.0079	0.4292	-0.0624
747	0	-10	-5	-0.0366	-0.0021	-0.0999	0.0025	0.3695	-0.0210
734	0	-10	0	-0.0349	0.0190	-0.0957	0.0130	0.3239	0.0259
738	0	-10	5	-0.0465	0.0548	-0.0898	0.0196	0.3354	0.1221
742	0	-10	10	-0.0617	0.1549	-0.0721	0.0361	0.3306	0.3943
666 *	0	0	-10	-0.0633	-0.0873	-0.0970	-0.0229	0.3557	-0.2851
662	0	0	-5	-0.0406	-0.0188	-0.0971	-0.0077	0.3315	-0.0559
650	0	0	0	-0.0324	0.0031	-0.0974	0.0019	0.3196	-0.0022
654	0	0	5	-0.0414	0.0270	-0.0971	0.0092	0.3529	0.0509
658 *	0	0	10	-0.0600	0.1002	-0.0971	0.0276	0.3995	0.2213
691 *	0	10	-10	-0.0639	-0.1312	-0.0755	-0.0266	0.2396	-0.4449
687	0	10	-5	-0.0416	-0.0435	-0.0908	-0.0187	0.2731	-0.1363
670	0	10	0	-0.0323	-0.0166	-0.0958	-0.0128	0.2902	-0.0427
674	0	10	5	-0.0335	0.0013	-0.0989	-0.0036	0.3440	-0.0029
678	0	10	10	-0.0373	0.0253	-0.1031	0.0102	0.3929	0.0470
683	0	10	15	-0.0328	0.0326	-0.1042	0.0224	0.3936	0.0679
730 *	0	20	-10	-0.0634	-0.1785	-0.0388	-0.0473	0.0722	-0.6130
726	0	20	-5	-0.0400	-0.0706	-0.0781	-0.0288	0.1873	-0.2319
709	0	20	0	-0.0306	-0.0351	-0.0910	-0.0242	0.2444	-0.0975
713	0	20	5	-0.0318	-0.0081	-0.1008	-0.0146	0.3136	-0.0282
717	0	20	10	-0.0253	-0.0020	-0.1031	-0.0054	0.3278	-0.0194
718	0	20	10	-0.0250	-0.0028	-0.1026	-0.0066	0.3242	-0.0217
722	0	20	15	-0.0188	-0.0011	-0.1035	-0.0092	0.2765	-0.0182
885	3	-10	-15	-0.0074	-0.0074	-0.1009	-0.0084	0.1754	-0.0088
889	3	-10	-10	-0.0093	-0.0019	-0.0996	-0.0028	0.2154	0.0002
893	3	-10	-5	-0.0120	0.0035	-0.0988	0.0048	0.2470	0.0104
897	3	-10	0	-0.0156	0.0190	-0.0967	0.0141	0.2379	0.0294
901	3	-10	5	-0.0189	0.0480	-0.0916	0.0258	0.2368	0.0800
905	3	-10	10	-0.0288	0.1158	-0.0800	0.0458	0.2564	0.2078
909 *	3	-10	15	-0.0493	0.2649	-0.0547	0.0721	0.3017	0.5750
804	3	0	-15	-0.0179	-0.0432	-0.0981	-0.0294	0.2524	-0.0724
800	3	0	-10	-0.0157	-0.0204	-0.0980	-0.0176	0.2403	-0.0356
796	3	0	-5	-0.0133	-0.0059	-0.0980	-0.0074	0.2351	-0.0106
761	3	0	0	-0.0121	0.0036	-0.0982	0.0025	0.2283	0.0038
806	3	0	0	-0.0120	0.0033	-0.0979	0.0011	0.2350	0.0031
765	3	0	5	-0.0144	0.0193	-0.0983	0.0130	0.2325	0.0264
807	3	0	5	-0.0146	0.0178	-0.0980	0.0102	0.2381	0.0238
769	3	0	10	-0.0173	0.0437	-0.0982	0.0247	0.2477	0.0613
808	3	0	10	-0.0173	0.0425	-0.0982	0.0222	0.2524	0.0594
773	3	0	15	-0.0244	0.0969	-0.0987	0.0448	0.2966	0.1432
788	3	0	15	-0.0221	0.0893	-0.0992	0.0412	0.2898	0.1285

* Indicates model was close to heave stop

TABLE 8.113.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
838	3	10	-15	-0.0375	-0.1704	-0.0706	-0.0585	0.2193	-0.4086
834	3	10	-10	-0.0223	-0.0558	-0.0901	-0.0291	0.2174	-0.1156
831	3	10	-5	-0.0163	-0.0244	-0.0953	-0.0195	0.2117	-0.0457
814	3	10	0	-0.0131	-0.0050	-0.0986	-0.0089	0.2191	-0.0140
818	3	10	5	-0.0108	0.0009	-0.0996	-0.0016	0.2087	-0.0026
822	3	10	10	-0.0079	0.0059	-0.1002	0.0048	0.1677	0.0047
826	3	10	15	-0.0050	0.0084	-0.1005	0.0068	0.1253	0.0057
877 *	3	20	-15	-0.0480	-0.2816	-0.0040	-0.0742	-0.0067	-0.7921
872	3	20	-10	-0.0280	-0.1064	-0.0669	-0.0411	0.1504	-0.2515
855	3	20	-5	-0.0207	-0.0485	-0.0869	-0.0299	0.1873	-0.0985
868	3	20	-5	-0.0200	-0.0468	-0.0880	-0.0300	0.1888	-0.0937
843	3	20	0	-0.0167	-0.0205	-0.0970	-0.0213	0.2050	-0.0417
847	3	20	5	-0.0104	-0.0040	-0.1025	-0.0113	0.2000	-0.0141
851	3	20	10	-0.0071	-0.0026	-0.1030	-0.0107	0.1549	-0.0104
880	3	20	15	-0.0040	-0.0065	-0.1018	-0.0160	0.1189	-0.0132
1055	6	-10	-15	-0.0021	-0.0062	-0.1008	-0.0075	0.0783	-0.0080
1051	6	-10	-10	-0.0038	-0.0039	-0.1003	-0.0045	0.1004	-0.0050
1047	6	-10	-5	-0.0063	-0.0009	-0.1004	-0.0022	0.1324	-0.0018
1013	6	-10	0	-0.0074	0.0081	-0.0995	0.0080	0.1546	0.0099
1057	6	-10	0	-0.0080	0.0072	-0.0997	0.0067	0.1537	0.0078
1041	6	-10	5	-0.0107	0.0314	-0.0957	0.0174	0.1587	0.0309
1017	6	-10	10	-0.0148	0.0759	-0.0883	0.0375	0.1727	0.0860
1021	6	-10	15	-0.0213	0.1740	-0.0717	0.0716	0.1994	0.2362
1037	6	-10	15	-0.0182	0.1663	-0.0729	0.0689	0.1954	0.2240
939	6	0	-15	-0.0059	-0.0158	-0.0985	-0.0183	0.1275	-0.0174
935	6	0	-10	-0.0037	-0.0064	-0.0983	-0.0102	0.1269	-0.0090
931	6	0	-5	-0.0037	-0.0031	-0.0983	-0.0054	0.1249	-0.0056
914	6	0	0	-0.0031	0.0005	-0.0981	-0.0001	0.1212	-0.0015
919	6	0	5	-0.0039	0.0046	-0.0986	0.0059	0.1245	0.0050
923	6	0	10	-0.0056	0.0142	-0.0986	0.0128	0.1243	0.0115
927	6	0	15	-0.0076	0.0296	-0.0989	0.0219	0.1316	0.0228
980	6	10	-15	-0.0129	-0.0718	-0.0883	-0.0417	0.1620	-0.0918
976	6	10	-10	-0.0109	-0.0311	-0.0954	-0.0243	0.1525	-0.0390
972	6	10	-5	-0.0080	-0.0087	-0.0990	-0.0129	0.1446	-0.0147
956	6	10	0	-0.0050	-0.0040	-0.1001	-0.0072	0.1193	-0.0088
960	6	10	5	-0.0034	-0.0006	-0.1000	-0.0037	0.0932	-0.0051
964	6	10	10	-0.0019	0.0019	-0.1000	-0.0010	0.0740	-0.0018
968	6	10	15	-0.0012	0.0030	-0.1004	-0.0008	0.0648	-0.0009
1004	6	20	-15	-0.0180	-0.1521	-0.0510	-0.0587	0.1151	-0.2494
1000	6	20	-10	-0.0146	-0.0732	-0.0792	-0.0409	0.1424	-0.1073
996	6	20	-5	-0.0113	-0.0302	-0.0946	-0.0243	0.1511	-0.0431
984	6	20	0	-0.0072	-0.0048	-0.1033	-0.0139	0.1424	-0.0109
988	6	20	5	-0.0029	-0.0053	-0.1028	-0.0120	0.1071	-0.0097
992	6	20	10	-0.0015	-0.0071	-0.1019	-0.0144	0.0855	-0.0100
1008	6	20	15	-0.0007	-0.0094	-0.1016	-0.0178	0.0702	-0.0102

* Indicates model was close to heave stop

TABLE 8.114.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
756	0	-10	-15	-0.0183	-0.0113	-0.0576	-0.0087	0.2176	-0.0290
757	0	-10	-15	-0.0181	-0.0112	-0.0573	-0.0092	0.2156	-0.0290
752	0	-10	-10	-0.0254	-0.0079	-0.0571	-0.0053	0.2704	-0.0263
748	0	-10	-5	-0.0335	-0.0059	-0.0567	-0.0039	0.2855	-0.0269
735	0	-10	0	-0.0352	0.0067	-0.0545	0.0043	0.2358	-0.0030
739	0	-10	5	-0.0536	0.0585	-0.0453	0.0197	0.2342	0.1299
743	0	-10	10	-0.0569	0.1361	-0.0316	0.0300	0.2293	0.3537
667 *	0	0	-10	-0.0595	-0.0797	-0.0545	-0.0291	0.2640	-0.2750
663	0	0	-5	-0.0451	-0.0151	-0.0545	-0.0067	0.2552	-0.0525
651	0	0	0	-0.0327	0.0010	-0.0544	0.0014	0.2334	-0.0068
655	0	0	5	-0.0354	0.0200	-0.0544	0.0074	0.2535	0.0357
659 *	0	0	10	-0.0564	0.0833	-0.0545	0.0219	0.3002	0.1907
692 *	0	10	-10	-0.0618	-0.1197	-0.0343	-0.0238	0.1394	-0.4292
688 *	0	10	-5	-0.0549	-0.0502	-0.0465	-0.0173	0.1857	-0.1893
671	0	10	0	-0.0333	-0.0086	-0.0539	-0.0089	0.2029	-0.0214
675	0	10	5	-0.0300	0.0037	-0.0560	0.0013	0.2444	0.0012
679	0	10	10	-0.0220	0.0074	-0.0566	0.0084	0.2178	0.0135
680	0	10	10	-0.0215	0.0070	-0.0566	0.0083	0.2162	0.0126
684	0	10	15	-0.0168	0.0131	-0.0575	0.0124	0.1818	0.0245
731 *	0	20	-10	-0.0606	-0.1598	-0.0002	-0.0357	-0.0033	-0.5792
727 *	0	20	-5	-0.0547	-0.0743	-0.0313	-0.0255	0.0920	-0.2945
710	0	20	0	-0.0315	-0.0208	-0.0507	-0.0136	0.1599	-0.0684
714	0	20	5	-0.0257	-0.0035	-0.0570	-0.0057	0.2059	-0.0210
719	0	20	10	-0.0167	-0.0035	-0.0571	-0.0076	0.1663	-0.0193
723	0	20	15	-0.0089	-0.0087	-0.0552	-0.0143	0.1166	-0.0197
886	3	-10	-15	-0.0040	-0.0032	-0.0562	-0.0031	0.0710	-0.0032
890	3	-10	-10	-0.0053	-0.0010	-0.0558	-0.0028	0.0871	0.0006
894	3	-10	-5	-0.0092	0.0012	-0.0556	0.0014	0.1244	0.0043
898	3	-10	0	-0.0115	0.0092	-0.0544	0.0083	0.1445	0.0155
902	3	-10	5	-0.0171	0.0352	-0.0501	0.0190	0.1543	0.0550
906	3	-10	10	-0.0287	0.1059	-0.0382	0.0408	0.1835	0.1921
910 *	3	-10	15	-0.0479	0.2537	-0.0132	0.0772	0.2238	0.5638
805	3	0	-15	-0.0126	-0.0226	-0.0552	-0.0201	0.1263	-0.0328
801	3	0	-10	-0.0112	-0.0096	-0.0551	-0.0114	0.1237	-0.0167
797	3	0	-5	-0.0092	-0.0028	-0.0550	-0.0044	0.1247	-0.0056
762	3	0	0	-0.0092	0.0018	-0.0549	0.0020	0.1244	0.0032
793	3	0	0	-0.0091	0.0008	-0.0550	0.0002	0.1287	0.0014
766	3	0	5	-0.0111	0.0098	-0.0550	0.0086	0.1216	0.0132
792	3	0	5	-0.0105	0.0084	-0.0551	0.0064	0.1241	0.0111
770	3	0	10	-0.0128	0.0240	-0.0553	0.0173	0.1292	0.0302
791	3	0	10	-0.0123	0.0221	-0.0553	0.0143	0.1314	0.0267
774	3	0	15	-0.0177	0.0599	-0.0554	0.0324	0.1645	0.0778
787	3	0	15	-0.0156	0.0536	-0.0557	0.0287	0.1568	0.0657

* Indicates model was close to heave stop

TABLE 8.114.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
839	3	10	-15	-0.0463	-0.2056	-0.0216	-0.0840	0.1442	-0.5526
835	3	10	-10	-0.0204	-0.0398	-0.0494	-0.0221	0.1398	-0.0822
829	3	10	-5	-0.0146	-0.0112	-0.0541	-0.0120	0.1314	-0.0240
815	3	10	0	-0.0094	-0.0017	-0.0555	-0.0041	0.1102	-0.0060
819	3	10	5	-0.0060	0.0007	-0.0558	-0.0011	0.0798	-0.0023
823	3	10	10	-0.0043	0.0018	-0.0559	-0.0013	0.0627	-0.0006
827	3	10	15	-0.0031	0.0025	-0.0560	-0.0016	0.0536	0.0000
873	3	20	-10	-0.0282	-0.0971	-0.0243	-0.0344	0.0749	-0.2431
874	3	20	-10	-0.0279	-0.0951	-0.0249	-0.0325	0.0757	-0.2380
869	3	20	-5	-0.0190	-0.0285	-0.0488	-0.0191	0.1213	-0.0639
844	3	20	0	-0.0138	-0.0073	-0.0559	-0.0134	0.1170	-0.0200
848	3	20	5	-0.0067	-0.0041	-0.0568	-0.0091	0.0895	-0.0097
852	3	20	10	-0.0040	-0.0058	-0.0559	-0.0114	0.0599	-0.0076
881	3	20	15	-0.0020	-0.0080	-0.0552	-0.0143	0.0437	-0.0068
1056	6	-10	-15	-0.0011	-0.0017	-0.0563	-0.0010	0.0267	-0.0066
1052	6	-10	-10	-0.0018	-0.0003	-0.0561	0.0001	0.0342	-0.0033
1048	6	-10	-5	-0.0030	0.0015	-0.0559	0.0012	0.0429	0.0002
1014	6	-10	0	-0.0046	0.0043	-0.0556	0.0047	0.0611	0.0039
1043	6	-10	0	-0.0044	0.0031	-0.0560	0.0031	0.0576	0.0029
1042	6	-10	5	-0.0070	0.0154	-0.0541	0.0101	0.0730	0.0135
1018	6	-10	10	-0.0112	0.0458	-0.0491	0.0241	0.0923	0.0440
1022	6	-10	15	-0.0170	0.1280	-0.0352	0.0529	0.1201	0.1522
1036	6	-10	15	-0.0138	0.1195	-0.0364	0.0493	0.1173	0.1374
940	6	0	-15	-0.0018	-0.0065	-0.0549	-0.0099	0.0361	-0.0071
936	6	0	-10	-0.0014	-0.0042	-0.0550	-0.0065	0.0343	-0.0057
932	6	0	-5	-0.0015	-0.0014	-0.0549	-0.0030	0.0337	-0.0031
915	6	0	0	-0.0017	0.0016	-0.0550	0.0011	0.0342	0.0003
916	6	0	0	-0.0015	0.0013	-0.0549	0.0006	0.0330	-0.0005
920	6	0	5	-0.0014	0.0036	-0.0549	0.0040	0.0342	0.0015
924	6	0	10	-0.0019	0.0057	-0.0549	0.0071	0.0355	0.0030
928	6	0	15	-0.0024	0.0089	-0.0550	0.0104	0.0398	0.0048
981	6	10	-15	-0.0093	-0.0374	-0.0501	-0.0259	0.0831	-0.0395
977	6	10	-10	-0.0069	-0.0144	-0.0539	-0.0151	0.0684	-0.0167
973	6	10	-5	-0.0038	-0.0055	-0.0551	-0.0091	0.0531	-0.0081
957	6	10	0	-0.0025	-0.0044	-0.0555	-0.0084	0.0386	-0.0068
961	6	10	5	-0.0015	-0.0035	-0.0552	-0.0077	0.0329	-0.0054
965	6	10	10	-0.0008	-0.0023	-0.0554	-0.0071	0.0282	-0.0035
969	6	10	15	-0.0002	-0.0013	-0.0555	-0.0068	0.0244	-0.0023
1005	6	20	-15	-0.0168	-0.1272	-0.0138	-0.0476	0.0604	-0.2007
1001	6	20	-10	-0.0118	-0.0461	-0.0428	-0.0263	0.0808	-0.0589
997	6	20	-5	-0.0080	-0.0131	-0.0544	-0.0140	0.0773	-0.0183
985	6	20	0	-0.0051	0.0003	-0.0590	-0.0090	0.0637	-0.0037
989	6	20	5	-0.0014	-0.0064	-0.0561	-0.0118	0.0394	-0.0053
993	6	20	10	-0.0004	-0.0077	-0.0555	-0.0130	0.0304	-0.0043
1010	6	20	10	-0.0004	-0.0091	-0.0554	-0.0147	0.0300	-0.0072
1009	6	20	15	-0.0001	-0.0093	-0.0553	-0.0152	0.0238	-0.0044

* Indicates model was close to heave stop

TABLE 8.121.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2472	0	-10	-15	-0.0637	-0.0339	-0.4037	0.0128	1.1891	-0.2001
2463	0	-10	-10	-0.0548	0.0101	-0.3938	0.0314	1.1217	-0.0590
2459	0	-10	-5	-0.0505	0.0408	-0.3884	0.0449	1.0849	0.0469
2428	0	-10	0	-0.0309	0.0623	-0.3846	0.0485	1.0329	0.1317
2432	0	-10	5	-0.0464	0.0863	-0.3804	0.0540	1.0542	0.2133
2436	0	-10	10	-0.0581	0.1401	-0.3709	0.0523	1.0874	0.3874
2455 *	0	-10	15	-0.0903	0.2639	-0.3501	0.0498	1.1511	0.7901
2349	0	0	-15	-0.0743	-0.1487	-0.3885	-0.0153	1.0456	-0.6055
2345	0	0	-10	-0.0581	-0.0630	-0.3885	-0.0060	1.0348	-0.2701
2341	0	0	-5	-0.0521	-0.0285	-0.3885	-0.0015	1.0405	-0.1313
2316	0	0	0	-0.0460	-0.0061	-0.3742	-0.0002	1.0237	-0.0402
2318	0	0	0	-0.0470	-0.0054	-0.3906	0.0023	1.0659	-0.0409
2330	0	0	5	-0.0488	0.0108	-0.3896	0.0025	1.0794	0.0212
2335	0	0	10	-0.0560	0.0359	-0.3896	0.0047	1.1154	0.1119
2396	0	10	-10	-0.0638	-0.1694	-0.3636	-0.0653	0.8977	-0.5805
2391	0	10	-5	-0.0521	-0.1042	-0.3761	-0.0617	0.9579	-0.3395
2374	0	10	0	-0.0363	-0.0731	-0.3816	-0.0536	0.9867	-0.21[illegible]
2379	0	10	5	-0.0481	-0.0547	-0.3859	-0.0485	1.0561	-0.1548
2383	0	10	10	-0.0540	-0.0273	-0.3908	-0.0358	1.1237	-0.0668
2387	0	10	15	-0.0608	0.0103	-0.3974	-0.0221	1.1951	0.0505
2423 *	0	20	-15	-0.0890	-0.4362	-0.2558	-0.1274	0.4654	-1.4818
2420	0	20	-10	-0.0606	-0.2643	-0.3184	-0.1087	0.6975	-0.8421
2416	0	20	-5	-0.0502	-0.1763	-0.3504	-0.1000	0.8261	-0.5269
2400	0	20	0	-0.0398	-0.1345	-0.3656	-0.0902	0.9012	-0.3785
2404	0	20	5	-0.0448	-0.1110	-0.3742	-0.0876	0.9626	-0.3062
2408	0	20	10	-0.0467	-0.0735	-0.3867	-0.0714	1.0358	-0.1992
2412	0	20	15	-0.0520	-0.0327	-0.4027	-0.0510	1.1421	-0.0870
2600	3	-10	-15	-0.0265	-0.0177	-0.4007	0.0053	0.9283	-0.0488
2596	3	-10	-10	-0.0239	0.0245	-0.3931	0.0331	0.8402	0.0143
2591	3	-10	-5	-0.0253	0.0525	-0.3882	0.0426	0.8155	0.0670
2586	3	-10	0	-0.0204	0.0769	-0.3847	0.0559	0.7862	0.1199
2604	3	-10	5	-0.0254	0.1133	-0.3786	0.0735	0.7941	0.1966
2608	3	-10	10	-0.0317	0.1636	-0.3700	0.0775	0.8236	0.3020
2612	3	-10	15	-0.0480	0.2785	-0.3507	0.0873	0.892[illegible]	0.5544
2502	3	0	-15	-0.0272	-0.0672	-0.3926	-0.0307	0.8162	-0.1673
2498	3	0	-10	-0.0249	-0.0364	-0.3925	-0.0175	0.7839	-0.0960
2494	3	0	-5	-0.0223	-0.0096	-0.3923	-0.0040	0.7696	-0.0376
2478	3	0	0	-0.0201	0.0096	-0.3933	0.0046	0.7767	-0.0007
2482	3	0	5	-0.0252	0.0354	-0.3936	0.0209	0.8030	0.0466
2486	3	0	10	-0.0286	0.0731	-0.3927	0.0348	0.8470	0.1151
2490	3	0	15	-0.0365	0.1352	-0.3931	0.0508	0.9377	0.2331

* Indicates model was close to heave stop

TABLE 8.121.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2536	3	10	-15	-0.0299	-0.1743	-0.3691	-0.0638	0.6951	-0.4175
2520	3	10	-10	-0.0273	-0.1121	-0.3789	-0.0579	0.7083	-0.2564
2516	3	10	-5	-0.0257	-0.0766	-0.3851	-0.0520	0.7280	-0.1646
2508	3	10	0	-0.0238	-0.0510	-0.3895	-0.0402	0.7509	-0.1091
2512	3	10	5	-0.0241	-0.0257	-0.3940	-0.0263	0.7832	-0.0609
2541	3	10	10	-0.0255	0.0072	-0.3998	-0.0080	0.8198	-0.0056
2546	3	10	15	-0.0307	0.0472	-0.4072	0.0153	0.9052	0.0498
2579	3	20	-15	-0.0356	-0.3079	-0.3050	-0.1041	0.5223	-0.7467
2575	3	20	-10	-0.0287	-0.1960	-0.3465	-0.0933	0.6202	-0.4396
2571	3	20	-5	-0.0274	-0.1459	-0.3647	-0.0908	0.6743	-0.3073
2567	3	20	0	-0.0275	-0.1138	-0.3764	-0.0808	0.7188	-0.2356
2562	3	20	5	-0.0278	-0.0752	-0.3904	-0.0683	0.7664	-0.1586
2557	3	20	10	-0.0289	-0.0401	-0.4033	-0.0515	0.8116	-0.0937
2558	3	20	10	-0.0289	-0.0394	-0.4035	-0.0489	0.8109	-0.0930
2553	3	20	15	-0.0276	-0.0105	-0.4140	-0.0249	0.8491	-0.0480
3310	6	-10	-15	-0.0089	-0.0267	-0.4056	-0.0032	0.6942	-0.0236
3306	6	-10	-10	-0.0083	0.0095	-0.4002	0.0196	0.6485	0.0115
3302	6	-10	-5	-0.0119	0.0489	-0.3937	0.0414	0.6128	0.0471
3285	6	-10	0	-0.0158	0.0869	-0.3863	0.0584	0.6042	0.1001
3289	6	-10	5	-0.0154	0.1288	-0.3789	0.0806	0.6065	0.1622
3294	6	-10	10	-0.0207	0.1956	-0.3687	0.1020	0.6260	0.2600
3298	6	-10	15	-0.0263	0.3006	-0.3508	0.1324	0.6528	0.4297
2659	6	0	-15	-0.0117	-0.0769	-0.3929	-0.0367	0.6333	-0.0980
2655	6	0	-10	-0.0108	-0.0405	-0.3939	-0.0169	0.6096	-0.0536
2651	6	0	-5	-0.0088	-0.0052	-0.3926	0.0026	0.5970	-0.0102
2616	6	0	0	-0.0100	0.0242	-0.3938	0.0159	0.5931	0.0175
2621	6	0	5	-0.0106	0.0571	-0.3939	0.0360	0.6176	0.0559
2643	6	0	10	-0.0124	0.0976	-0.3941	0.0548	0.6500	0.1059
2647	6	0	15	-0.0192	0.1637	-0.3948	0.0839	0.6956	0.1885
2689	6	10	-15	-0.0150	-0.1551	-0.3731	-0.0734	0.5635	-0.2287
2684	6	10	-10	-0.0155	-0.1017	-0.3826	-0.0569	0.5664	-0.1453
2680	6	10	-5	-0.0156	-0.0646	-0.3891	-0.0387	0.5811	-0.0906
2664	6	10	0	-0.0154	-0.0266	-0.3958	-0.0175	0.5954	-0.0349
2668	6	10	5	-0.0150	0.0055	-0.4014	-0.0034	0.6161	-0.0076
2672	6	10	10	-0.0137	0.0355	-0.4055	0.0152	0.6557	0.0228
2676	6	10	15	-0.0134	0.0604	-0.4098	0.0318	0.6793	0.0462
2702	6	20	-15	-0.0168	-0.2463	-0.3291	-0.1048	0.4823	-0.4037
2696	6	20	-10	-0.0131	-0.1783	-0.3546	-0.0937	0.5173	-0.2764
2697	6	20	-10	-0.0155	-0.1797	-0.3543	-0.0938	0.5172	-0.2800
2706	6	20	-5	-0.0156	-0.1321	-0.3717	-0.0794	0.5459	-0.1970
2710	6	20	0	-0.0157	-0.0844	-0.3890	-0.0610	0.5811	-0.1258
2714	6	20	5	-0.0160	-0.0372	-0.4062	-0.0402	0.6198	-0.0627
2718	6	20	10	-0.0144	-0.0099	-0.4160	-0.0181	0.6573	-0.0394
2739	6	20	15	-0.0128	-0.0024	-0.4186	-0.0092	0.6643	-0.0297

* Indicates model was close to heave stop

TABLE 8.123.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2473	0	-10	-15	-0.0415	-0.0386	-0.1058	-0.0261	0.4760	-0.1267
2464	0	-10	-10	-0.0453	-0.0268	-0.1032	-0.0138	0.4505	-0.0965
2470	0	-10	-10	-0.0448	-0.0267	-0.1036	-0.0147	0.4496	-0.0961
2460	0	-10	-5	-0.0400	-0.0073	-0.0999	-0.0014	0.3831	-0.0470
2429	0	-10	0	-0.0321	0.0151	-0.0960	0.0106	0.3329	0.0112
2433	0	-10	5	-0.0489	0.0574	-0.0885	0.0213	0.3615	0.1021
2437 *	0	-10	10	-0.0670	0.1717	-0.0682	0.0492	0.3599	0.4058
2457 *	0	-10	15	-0.0712	0.2742	-0.0504	0.0617	0.3814	0.6854
2350 *	0	0	-15	-0.0755	-0.2035	-0.0969	-0.0566	0.3370	-0.7368
2346	0	0	-10	-0.0556	-0.0756	-0.0970	-0.0227	0.3408	-0.2720
2342	0	0	-5	-0.0416	-0.0246	-0.0970	-0.0098	0.3185	-0.0881
2319	0	0	0	-0.0339	-0.0002	-0.0937	0.0012	0.3062	-0.0197
2320	0	0	0	-0.0337	-0.0008	-0.0974	0.0004	0.3149	-0.0210
2331	0	0	5	-0.0415	0.0254	-0.0971	0.0087	0.3561	0.0327
2332	0	0	5	-0.0415	0.0253	-0.0969	0.0089	0.3548	0.0323
2337 *	0	0	10	-0.0647	0.1347	-0.0970	0.0409	0.4112	0.2642
2338 *	0	0	10	-0.0655	0.1345	-0.0969	0.0413	0.4135	0.2628
2397 *	0	10	-10	-0.0679	-0.1690	-0.0682	-0.0470	0.1268	-0.6362
2392	0	10	-5	-0.0434	-0.0495	-0.0898	-0.0187	0.2309	-0.1686
2375	0	10	0	-0.0343	-0.0173	-0.0953	-0.0095	0.2728	-0.0558
2380	0	10	5	-0.0361	0.0015	-0.0989	-0.0013	0.3302	-0.0096
2384	0	10	10	-0.0393	0.0285	-0.1034	0.0135	0.3832	0.0403
2388	0	10	15	-0.0331	0.0285	-0.1035	0.0249	0.3732	0.0527
2421 *	0	20	-10	-0.0695	-0.2112	-0.0263	-0.0585	-0.0519	-0.7937
2417	0	20	-5	-0.0429	-0.0778	-0.0752	-0.0289	0.1375	-0.2662
2401	0	20	0	-0.0356	-0.0356	-0.0906	-0.0209	0.2263	-0.1085
2405	0	20	5	-0.0328	-0.0077	-0.1006	-0.0108	0.2778	-0.0262
2409	0	20	10	-0.0270	0.0016	-0.1041	-0.0011	0.2902	-0.0140
2413	0	20	15	-0.0216	0.0019	-0.1041	-0.0059	0.2593	-0.0127
2601	3	-10	-15	-0.0087	-0.0054	-0.1005	-0.0030	0.1993	-0.0079
2597	3	-10	-10	-0.0116	-0.0021	-0.1000	0.0020	0.2421	-0.0038
2592	3	-10	-5	-0.0136	0.0027	-0.0990	0.0079	0.2597	0.0058
2587	3	-10	0	-0.0165	0.0246	-0.0953	0.0196	0.2431	0.0320
2605	3	-10	5	-0.0221	0.0615	-0.0894	0.0330	0.2528	0.0887
2609	3	-10	10	-0.0332	0.1322	-0.0775	0.0536	0.2884	0.2135
2613 *	3	-10	15	-0.0582	0.3041	-0.0481	0.0963	0.3724	0.6240
2503	3	0	-15	-0.0203	-0.0378	-0.0986	-0.0239	0.2492	-0.0765
2499	3	0	-10	-0.0178	-0.0170	-0.0985	-0.0125	0.2367	-0.0370
2495	3	0	-5	-0.0152	-0.0047	-0.0983	-0.0035	0.2306	-0.0135
2479	3	0	0	-0.0143	0.0069	-0.0984	0.0057	0.2292	0.0031
2483	3	0	5	-0.0171	0.0245	-0.0986	0.0164	0.2358	0.0261
2487	3	0	10	-0.0205	0.0549	-0.0983	0.0308	0.2572	0.0670
2491	3	0	15	-0.0268	0.1100	-0.0989	0.0519	0.3082	0.1479

* Indicates model was close to heave stop

TABLE 8.123.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2537	3	10	-15	-0.0337	-0.1446	-0.0755	-0.0435	0.1737	-0.3866
2521	3	10	-10	-0.0245	-0.0494	-0.0916	-0.0229	0.1954	-0.1161
2517	3	10	-5	-0.0200	-0.0192	-0.0964	-0.0133	0.2014	-0.0389
2509	3	10	0	-0.0158	-0.0016	-0.0996	-0.0033	0.2079	-0.0096
2513	3	10	5	-0.0128	0.0038	-0.1004	0.0049	0.1897	0.0007
2542	3	10	10	-0.0096	0.0088	-0.1011	0.0112	0.1460	0.0093
2547	3	10	15	-0.0074	0.0101	-0.1012	0.0109	0.1088	0.0087
2580	3	20	-15	-0.0370	-0.2469	-0.0158	-0.0556	-0.0524	-0.7303
2576	3	20	-10	-0.0255	-0.0834	-0.0749	-0.0282	0.1326	-0.2121
2572	3	20	-5	-0.0213	-0.0386	-0.0908	-0.0228	0.1760	-0.0836
2568	3	20	0	-0.0175	-0.0133	-0.0995	-0.0130	0.1845	-0.0275
2563	3	20	5	-0.0106	-0.0013	-0.1038	-0.0057	0.1690	-0.0074
2564	3	20	5	-0.0103	-0.0009	-0.1038	-0.0056	0.1688	-0.0066
2559	3	20	10	-0.0076	-0.0012	-0.1038	-0.0071	0.1316	-0.0047
2554	3	20	15	-0.0056	-0.0050	-0.1023	-0.0120	0.1023	-0.0054
3311	6	-10	-15	-0.0029	-0.0034	-0.1006	-0.0024	0.0915	-0.0041
3307	6	-10	-10	-0.0043	-0.0006	-0.1003	0.0010	0.1166	-0.0001
3303	6	-10	-5	-0.0057	0.0044	-0.0996	0.0078	0.1434	0.0088
3286	6	-10	0	-0.0095	0.0200	-0.0971	0.0173	0.1540	0.0189
3291	6	-10	5	-0.0133	0.0493	-0.0926	0.0320	0.1621	0.0501
3295	6	-10	10	-0.0170	0.1048	-0.0832	0.0547	0.1789	0.1177
3299	6	-10	15	-0.0232	0.2160	-0.0642	0.0943	0.2131	0.2945
2660	6	0	-15	-0.0050	-0.0087	-0.0981	-0.0095	0.1225	-0.0098
2656	6	0	-10	-0.0027	-0.0033	-0.0981	-0.0029	0.1184	-0.0044
2652	6	0	-5	-0.0033	0.0004	-0.0981	0.0027	0.1150	0.0004
2617	6	0	0	-0.0053	0.0037	-0.0985	0.0078	0.1174	0.0043
2618	6	0	0	-0.0041	0.0039	-0.0981	0.0078	0.1148	0.0051
2622	6	0	5	-0.0045	0.0094	-0.0983	0.0136	0.1128	0.0087
2644	6	0	10	-0.0058	0.0194	-0.0985	0.0211	0.1138	0.0163
2648	6	0	15	-0.0078	0.0342	-0.0986	0.0300	0.1220	0.0272
2690	6	10	-15	-0.0117	-0.0434	-0.0929	-0.0240	0.1536	-0.0574
2685	6	10	-10	-0.0097	-0.0142	-0.0977	-0.0119	0.1438	-0.0204
2681	6	10	-5	-0.0084	0.0009	-0.1006	-0.0027	0.1305	-0.0030
2665	6	10	0	-0.0048	-0.0006	-0.0998	0.0004	0.1019	-0.0020
2669	6	10	5	-0.0047	0.0029	-0.1002	0.0049	0.0763	0.0030
2673	6	10	10	-0.0039	0.0036	-0.0999	0.0047	0.0659	0.0039
2677	6	10	15	-0.0032	0.0056	-0.1008	0.0057	0.0540	0.0069
2703	6	20	-15	-0.0182	-0.1198	-0.0624	-0.0425	0.1013	-0.2102
2698	6	20	-10	-0.0149	-0.0482	-0.0883	-0.0262	0.1382	-0.0772
2707	6	20	-5	-0.0120	-0.0138	-0.1003	-0.0127	0.1434	-0.0234
2711	6	20	0	-0.0082	0.0059	-0.1070	-0.0037	0.1245	0.0017
2715	6	20	5	-0.0053	-0.0020	-0.1041	-0.0061	0.0872	0.0004
2719	6	20	10	-0.0032	-0.0055	-0.1023	-0.0095	0.0721	-0.0017
2740	6	20	15	-0.0025	-0.0070	-0.1017	-0.0120	0.0600	-0.0002

* Indicates model was close to heave stop

TABLE 8.124.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2474	0	-10	-15	-0.0243	-0.0245	-0.0597	-0.0214	0.2997	-0.0789
2468	0	-10	-10	-0.0386	-0.0226	-0.0593	-0.0156	0.3482	-0.0891
2469	0	-10	-10	-0.0392	-0.0232	-0.0595	-0.0160	0.3505	-0.0907
2461	0	-10	-5	-0.0347	-0.0101	-0.0571	-0.0063	0.3062	-0.0462
2430	0	-10	0	-0.0281	0.0047	-0.0545	0.0037	0.2405	-0.0060
2434	0	-10	5	-0.0506	0.0621	-0.0443	0.0232	0.2532	0.1022
2352	0	0	-15	-0.0721	-0.1857	-0.0573	-0.0482	0.2554	-0.6991
2347	0	0	-10	-0.0485	-0.0615	-0.0549	-0.0185	0.2532	-0.2332
2343	0	0	-5	-0.0381	-0.0196	-0.0550	-0.0090	0.2388	-0.0767
2322	0	0	0	-0.0286	-0.0015	-0.0558	0.0011	0.2253	-0.0196
2323	0	0	0	-0.0277	-0.0010	-0.0540	0.0019	0.2207	-0.0178
2324	0	0	0	-0.0270	-0.0009	-0.0548	0.0012	0.2212	-0.0173
2326	0	0	0	-0.0280	-0.0010	-0.0549	0.0011	0.2224	-0.0182
2327	0	0	0	-0.0292	-0.0015	-0.0554	0.0010	0.2249	-0.0195
2328	0	0	0	-0.0277	-0.0020	-0.0550	0.0005	0.2228	-0.0202
2333	0	0	5	-0.0373	0.0259	-0.0551	0.0103	0.2562	0.0259
2339 *	0	0	10	-0.0564	0.1197	-0.0549	0.0408	0.2983	0.2263
2394	0	10	-5	-0.0413	-0.0410	-0.0487	-0.0134	0.1463	-0.1606
2376	0	10	0	-0.0322	-0.0082	-0.0570	-0.0032	0.1849	-0.0338
2377	0	10	0	-0.0314	-0.0079	-0.0544	-0.0036	0.1796	-0.0326
2381	0	10	5	-0.0317	0.0076	-0.0573	0.0050	0.2322	0.0020
2385	0	10	10	-0.0254	0.0158	-0.0586	0.0146	0.2379	0.0238
2389	0	10	15	-0.0168	0.0164	-0.0588	0.0177	0.1878	0.0300
2418	0	20	-5	-0.0415	-0.0651	-0.0342	-0.0191	0.0398	-0.2576
2402	0	20	0	-0.0327	-0.0179	-0.0521	-0.0091	0.1383	-0.0719
2406	0	20	5	-0.0267	0.0075	-0.0614	0.0001	0.1745	0.0122
2410	0	20	10	-0.0173	0.0049	-0.0598	-0.0024	0.1543	0.0026
2414	0	20	15	-0.0094	-0.0026	-0.0569	-0.0105	0.1137	-0.0078
2602	3	-10	-15	-0.0037	-0.0053	-0.0568	-0.0022	0.0716	-0.0065
2598	3	-10	-10	-0.0062	-0.0028	-0.0565	0.0006	0.1126	-0.0038
2593	3	-10	-5	-0.0093	-0.0002	-0.0562	0.0045	0.1574	0.0005
2588	3	-10	0	-0.0120	0.0155	-0.0534	0.0137	0.1561	0.0185
2606	3	-10	5	-0.0183	0.0521	-0.0473	0.0277	0.1690	0.0719
2610	3	-10	10	-0.0281	0.1178	-0.0363	0.0470	0.2051	0.1872
2504	3	0	-15	-0.0163	-0.0252	-0.0558	-0.0183	0.1484	-0.0514
2500	3	0	-10	-0.0141	-0.0075	-0.0557	-0.0081	0.1418	-0.0215
2496	3	0	-5	-0.0115	-0.0005	-0.0557	-0.0015	0.1431	-0.0060
2480	3	0	0	-0.0102	0.0054	-0.0553	0.0055	0.1334	0.0045
2484	3	0	5	-0.0118	0.0188	-0.0554	0.0143	0.1300	0.0205
2488	3	0	10	-0.0143	0.0389	-0.0555	0.0249	0.1420	0.0451
2492	3	0	15	-0.0175	0.0745	-0.0558	0.0398	0.1720	0.0897

* Indicates model was close to heave stop

TABLE 8.124.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2538	3	10	-15	-0.0301	-0.1356	-0.0333	-0.0407	0.1035	-0.3763
2522	3	10	-10	-0.0229	-0.0363	-0.0506	-0.0156	0.1276	-0.1046
2518	3	10	-5	-0.0.81	-0.0031	-0.0560	-0.0046	0.1306	-0.0166
2510	3	10	0	-0.0097	0.0032	-0.0567	0.0015	0.1049	0.0039
2514	3	10	5	-0.0056	0.0064	-0.0573	0.0062	0.0635	0.0088
2543	3	10	10	-0.0038	0.0073	-0.0569	0.0057	0.0414	0.0099
2544	3	10	10	-0.0035	0.0066	-0.0570	0.0050	0.0435	0.0089
2548	3	10	15	-0.0031	0.0071	-0.0569	0.0040	0.0329	0.0101
2549	3	10	15	-0.0030	0.0068	-0.0568	0.0038	0.0323	0.0092
2577	3	20	-10	-0.0226	-0.0673	-0.0351	-0.0182	0.0619	-0.1935
2573	3	20	-5	-0.0188	-0.0173	-0.0532	-0.0110	0.1087	-0.0510
2569	3	20	0	-0.0138	0.0041	-0.0605	-0.0029	0.1043	0.0027
2565	3	20	5	-0.0045	-0.0005	-0.0584	-0.0052	0.0682	0.0010
2560	3	20	10	-0.0025	-0.0020	-0.0576	-0.0082	0.0407	0.0045
2555	3	20	15	-0.0010	-0.0054	-0.0563	-0.0114	0.0273	0.0039
3312	6	-10	-15	-0.0015	-0.0028	-0.0569	-0.0002	0.0094	-0.0075
3308	6	-10	-10	-0.0014	-0.0002	-0.0564	0.0019	0.0235	-0.0026
3304	6	-10	-5	-0.0031	0.0024	-0.0562	0.0056	0.0437	0.0028
3287	6	-10	0	-0.0071	0.0107	-0.0548	0.0117	0.0635	0.0084
3292	6	-10	5	-0.0094	0.0318	-0.0515	0.0222	0.0759	0.0284
3296	6	-10	10	-0.0125	0.0741	-0.0444	0.0395	0.0958	0.0735
2661	6	0	-15	-0.0004	-0.0037	-0.0548	-0.0049	0.0258	-0.0019
2657	6	0	-10	-0.0009	-0.0007	-0.0548	-0.0005	0.0209	0.0017
2653	6	0	-5	-0.0010	0.0015	-0.0548	0.0027	0.0194	0.0033
2619	6	0	0	-0.0017	0.0038	-0.0554	0.0065	0.0184	0.0046
2623	6	0	5	-0.0014	0.0064	-0.0551	0.0104	0.0169	0.0071
2645	6	0	10	-0.0017	0.0106	-0.0550	0.0151	0.0177	0.0099
2649	6	0	15	-0.0026	0.0150	-0.0550	0.0195	0.0221	0.0121
2691	6	10	-15	-0.0081	-0.0262	-0.0521	-0.0160	0.0712	-0.0269
2743	6	10	-15	-0.0081	-0.0251	-0.0521	-0.0156	0.0718	-0.0253
2686	6	10	-10	-0.0060	-0.0041	-0.0530	-0.0058	0.0566	-0.0029
2687	6	10	-10	-0.0063	-0.0038	-0.0560	-0.0056	0.0568	-0.0023
2682	6	10	-5	-0.0031	0.0011	-0.0564	-0.0010	0.0344	0.0041
2666	6	10	0	-0.0005	0.0008	-0.0558	-0.0004	0.0188	0.0053
2670	6	10	5	-0.0007	0.0017	-0.0560	0.0001	0.0131	0.0068
2674	6	10	10	-0.0011	0.0032	-0.0561	0.0007	0.0051	0.0090
2678	6	10	15	0.0000	0.0029	-0.0565	0.0001	0.0043	0.0081
2704	6	20	-15	-0.0161	-0.1028	-0.0228	-0.0342	0.0400	-0.1824
2699	6	20	-10	-0.0112	-0.0272	-0.0498	-0.0151	0.0701	-0.0377
2700	6	20	-10	-0.0117	-0.0269	-0.0502	-0.0152	0.0705	-0.0380
2708	6	20	-5	-0.0076	0.0011	-0.0597	-0.0043	0.0644	0.0013
2712	6	20	0	-0.0046	0.0088	-0.0624	-0.0022	0.0476	0.0109
2716	6	20	5	-0.0014	-0.0010	-0.0583	-0.0066	0.0191	0.0102
2737	6	20	5	-0.0005	-0.0025	-0.0577	-0.0072	0.0224	0.0062
2736	6	20	10	0.0002	-0.0035	-0.0571	-0.0095	0.0106	0.0091
2741	6	20	15	0.0006	-0.0057	-0.0562	-0.0103	0.0087	0.0072

* Indicates model was close to heave stop

TABLE 8.201.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1709	-2	-10	0	-0.0625	0.0703	-0.3812	0.0430	1.1396	0.2131
1713	-2	-10	5	-0.0666	0.1078	-0.3744	0.0619	1.1211	0.3898
1716 *	-2	-10	10	-0.0765	0.1811	-0.3612	0.0825	1.1055	0.7180
1718 *	-2	-10	15	-0.0833	0.3003	-0.3389	0.1199	1.0872	1.1947
1645	-2	0	0	-0.0633	-0.0007	-0.3865	0.0019	1.1732	0.0007
1648	-2	0	5	-0.0667	0.0336	-0.3864	0.0134	1.1827	0.1574
1653	-2	0	10	-0.0816	0.1082	-0.3870	0.0372	1.2127	0.4686
1656 *	-2	0	15	-0.1002	0.2487	-0.3853	0.0918	1.2823	1.0295
1660	-2	10	0	-0.0619	-0.0708	-0.3801	-0.0425	1.1334	-0.2114
1664	-2	10	5	-0.0633	-0.0420	-0.3851	-0.0346	1.1742	-0.0796
1681	-2	10	5	-0.0635	-0.0411	-0.3863	-0.0351	1.1774	-0.0744
1683	-2	10	10	-0.0748	0.0152	-0.3959	-0.0128	1.2605	0.1589
1686 *	-2	10	15	-0.0954	0.1394	-0.4159	0.0376	1.4105	0.6469
1692	-2	20	0	-0.0603	-0.1383	-0.3611	-0.0838	1.0487	-0.4049
1696	-2	20	5	-0.0611	-0.1095	-0.3727	-0.0699	1.1197	-0.2727
1699	-2	20	10	-0.0647	-0.0596	-0.3907	-0.0504	1.2444	-0.0752
1703 *	-2	20	15	-0.0838	0.0460	-0.4284	-0.0156	1.4443	0.3354
1627	0	-10	0	-0.0410	0.0705	-0.3821	0.0504	0.9662	0.1846
1631	0	-10	5	-0.0438	0.0997	-0.3748	0.0638	0.9470	0.3000
1635	0	-10	10	-0.0537	0.1585	-0.3644	0.0824	0.9435	0.5216
1639 *	0	-10	15	-0.0706	0.2872	-0.3449	0.1260	0.9542	0.9874
1560	0	0	0	-0.0414	0.0007	-0.3896	0.0011	0.9921	0.0033
1564	0	0	5	-0.0447	0.0262	-0.3885	0.0142	0.9929	0.1072
1568	0	0	10	-0.0520	0.0703	-0.3885	0.0323	1.0319	0.2774
1572 *	0	0	15	-0.0677	0.1831	-0.3885	0.0699	1.1006	0.6765
1577	0	10	0	-0.0410	-0.0705	-0.3821	-0.0515	0.9607	-0.1822
1582	0	10	5	-0.0437	-0.0467	-0.3863	-0.0392	0.9933	-0.0802
1586	0	10	10	-0.0506	-0.0052	-0.3936	-0.0183	1.0606	0.0729
1591	0	10	15	-0.0628	0.0783	-0.4073	0.0194	1.1765	0.3535
1607	0	20	0	-0.0401	-0.1403	-0.3635	-0.0874	0.8990	-0.3583
1611	0	20	5	-0.0396	-0.1153	-0.3704	-0.0798	0.9429	-0.2669
1615	0	20	10	-0.0442	-0.0751	-0.3861	-0.0618	1.0341	-0.1317
1619	0	20	15	-0.0559	-0.0066	-0.4111	-0.0270	1.1904	0.0902
1397	3	-10	0	-0.0234	0.0740	-0.3843	0.0557	0.7306	0.1434
1393	3	-10	5	-0.0250	0.1009	-0.3786	0.0687	0.7296	0.2083
1390	3	-10	10	-0.0316	0.1488	-0.3705	0.0858	0.7461	0.3267
1405	3	0	0	-0.0186	0.0031	-0.3911	0.0044	0.7322	0.0080
1409	3	0	5	-0.0240	0.0282	-0.3903	0.0180	0.7408	0.0683
1413	3	0	10	-0.0282	0.0680	-0.3905	0.0398	0.7708	0.1614
1417	3	0	15	-0.0378	0.1554	-0.3910	0.0799	0.8397	0.3668

* Indicates model was close to heave stop

TABLE 8.201.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1436	3	10	0	-0.0226	-0.0704	-0.3838	-0.0529	0.7290	-0.1330
1440	3	10	5	-0.0227	-0.0433	-0.3886	-0.0378	0.7483	-0.0737
1445	3	10	10	-0.0255	-0.0035	-0.3958	-0.0107	0.8023	0.0071
1449	3	10	15	-0.0307	0.0522	-0.4059	0.0227	0.8912	0.1269
1457	3	20	0	-0.0216	-0.1322	-0.3671	-0.0856	0.7038	-0.2457
1461	3	20	5	-0.0243	-0.1051	-0.3771	-0.0769	0.7371	-0.1947
1465	3	20	10	-0.0266	-0.0622	-0.3940	-0.0562	0.8053	-0.1256
1469	3	20	15	-0.0291	-0.0184	-0.4089	-0.0274	0.9021	-0.0555
1541	6	-10	0	-0.0126	0.0644	-0.3867	0.0458	0.5742	0.0960
1545	6	-10	5	-0.0150	0.1009	-0.3805	0.0653	0.5718	0.1458
1549	6	-10	10	-0.0178	0.1474	-0.3726	0.0878	0.5842	0.2179
1553	6	-10	15	-0.0237	0.2323	-0.3583	0.1229	0.6020	0.3520
1476	6	0	0	-0.0099	0.0014	-0.3917	0.0008	0.5744	0.0050
1480	6	0	5	-0.0130	0.0384	-0.3920	0.0248	0.5804	0.0570
1484	6	0	10	-0.0161	0.0761	-0.3924	0.0457	0.6012	0.1094
1488	6	0	15	-0.0193	0.1337	-0.3916	0.0750	0.6330	0.1938
1494	6	10	0	-0.0136	-0.0578	-0.3879	-0.0404	0.5728	-0.0772
1498	6	10	5	-0.0133	-0.0207	-0.3955	-0.0186	0.5930	-0.0305
1502	6	10	10	-0.0141	0.0178	-0.4013	0.0048	0.6289	0.0125
1506	6	10	15	-0.0166	0.0576	-0.4086	0.0289	0.6682	0.0657
1522	6	20	0	-0.0163	-0.1240	-0.3724	-0.0811	0.5680	-0.1733
1525	6	20	5	-0.0187	-0.0832	-0.3887	-0.0605	0.5950	-0.1208
1530	6	20	10	-0.0168	-0.0374	-0.4051	-0.0355	0.6391	-0.0702
1534	6	20	15	-0.0140	-0.0056	-0.4153	-0.0133	0.6818	-0.0398

* Indicates model was close to heave stop

TABLE 8.203.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1710		-2	-10	0	-0.0563	0.0307	-0.0913	0.0209	0.2648	0.0967
1714	*	-2	-10	5	-0.0591	0.0865	-0.0816	0.0453	0.2384	0.3452
1646		-2	0	0	-0.0537	0.0019	-0.0953	0.0023	0.2668	0.0062
1650	*	-2	0	5	-0.0576	0.0494	-0.0954	0.0195	0.2791	0.2136
1654	*	-2	0	10	-0.0656	0.1561	-0.0950	0.0613	0.3221	0.6080
1721	*	-2	0	10	-0.0668	0.1794	-0.0951	0.0730	0.3212	0.6961
1661		-2	10	0	-0.0527	-0.0270	-0.0917	-0.0153	0.2652	-0.0837
1665		-2	10	5	-0.0565	0.0142	-0.0992	-0.0022	0.3145	0.0943
1680		-2	10	5	-0.0561	0.0150	-0.0993	0.0011	0.3152	0.1006
1684	*	-2	10	10	-0.0628	0.1006	-0.1142	0.0356	0.3956	0.4069
1688	*	-2	10	15	-0.0744	0.2079	-0.1331	0.0955	0.4773	0.7564
1693		-2	20	0	-0.0421	-0.0342	-0.0894	-0.0181	0.2669	-0.0945
1697		-2	20	5	-0.0423	0.0021	-0.1027	-0.0029	0.3390	0.0647
1701	*	-2	20	10	-0.0695	0.0604	-0.1230	0.0204	0.4785	0.2388
1628		0	-10	0	-0.0307	0.0196	-0.0952	0.0125	0.2838	0.0638
1632		0	-10	5	-0.0377	0.0557	-0.0889	0.0275	0.2649	0.1724
1636	*	0	-10	10	-0.0595	0.1773	-0.0671	0.0723	0.2448	0.5696
1640	*	0	-10	15	-0.0619	0.2938	-0.0470	0.1186	0.1928	0.9610
1561		0	0	0	-0.0315	0.0010	-0.0965	0.0010	0.3122	0.0021
1565		0	0	5	-0.0357	0.0288	-0.0970	0.0161	0.3195	0.1014
1569	*	0	0	10	-0.0553	0.1216	-0.0967	0.0516	0.3509	0.3671
1573	*	0	0	15	-0.0725	0.3294	-0.0973	0.1410	0.3385	1.1044
1579		0	10	0	-0.0301	-0.0185	-0.0954	-0.0113	0.2833	-0.0601
1583		0	10	5	-0.0327	0.0072	-0.1003	0.0042	0.3398	0.0283
1588		0	10	10	-0.0435	0.0553	-0.1085	0.0290	0.4140	0.1817
1592	*	0	10	15	-0.0862	0.2816	-0.1484	0.1327	0.5553	0.8923
1608		0	20	0	-0.0293	-0.0363	-0.0900	-0.0208	0.2454	-0.1078
1612		0	20	5	-0.0294	-0.0130	-0.0986	-0.0092	0.3188	-0.0483
1616		0	20	10	-0.0292	0.0076	-0.1063	0.0035	0.3684	0.0116
1620		0	20	15	-0.0254	0.0264	-0.1132	0.0117	0.3621	0.0531
1398		3	-10	0	-0.0154	0.0153	-0.0970	0.0130	0.2114	0.0376
1394		3	-10	5	-0.0192	0.0380	-0.0930	0.0254	0.2104	0.0787
1391		3	-10	10	-0.0268	0.0889	-0.0848	0.0484	0.2305	0.1843
1400		3	-10	13	-0.0362	0.1620	-0.0723	0.0800	0.2498	0.3674
1388		3	-10	15	-0.0452	0.2472	-0.0576	0.1144	0.2411	0.6099
1406		3	0	0	-0.0136	0.0012	-0.0980	0.0010	0.2068	0.0035
1410		3	0	5	-0.0158	0.0178	-0.0982	0.0124	0.2120	0.0377
1414		3	0	10	-0.0203	0.0463	-0.0986	0.0306	0.2335	0.0933
1418		3	0	15	-0.0309	0.1259	-0.0989	0.0701	0.2989	0.2695

* Indicates model was close to heave stop

TABLE 8.203.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1437	3	10	0	-0.0151	-0.0126	-0.0972	-0.0115	0.2099	-0.0324
1442	3	10	5	-0.0133	0.0013	-0.0993	-0.0007	0.2033	-0.0026
1446	3	10	10	-0.0135	0.0171	-0.1028	0.0110	0.2021	0.0273
1450	3	10	15	-0.0135	0.0375	-0.1062	0.0261	0.2053	0.0623
1458	3	20	0	-0.0168	-0.0300	-0.0934	-0.0226	0.2074	-0.0631
1462	3	20	5	-0.0142	-0.0117	-0.1004	-0.0117	0.2138	-0.0359
1466	3	20	10	-0.0114	-0.0009	-0.1039	-0.0046	0.1861	-0.0158
1470	3	20	15	-0.0093	0.0082	-0.1073	0.0010	0.1598	-0.0018
1542	6	-10	0	-0.0069	0.0110	-0.0980	0.0096	0.1330	0.0208
1546	6	-10	5	-0.0096	0.0271	-0.0956	0.0202	0.1491	0.0387
1550	6	-10	10	-0.0128	0.0601	-0.0901	0.0385	0.1604	0.0786
1554	6	-10	15	-0.0175	0.1236	-0.0794	0.0687	0.1816	0.1695
1477	6	0	0	-0.0060	0.0007	-0.0983	0.0009	0.1210	0.0027
1481	6	0	5	-0.0074	0.0114	-0.0987	0.0093	0.1254	0.0152
1485	6	0	10	-0.0083	0.0253	-0.0985	0.0196	0.1323	0.0308
1489	6	0	15	-0.0105	0.0496	-0.0989	0.0351	0.1493	0.0578
1495	6	10	0	-0.0069	-0.0092	-0.0982	-0.0081	0.1302	-0.0147
1499	6	10	5	-0.0058	0.0004	-0.0999	-0.0008	0.1149	-0.0033
1503	6	10	10	-0.0055	0.0095	-0.1012	0.0063	0.1013	0.0047
1507	6	10	15	-0.0057	0.0196	-0.1035	0.0136	0.0929	0.0129
1523	6	20	0	-0.0110	-0.0208	-0.0976	-0.0175	0.1515	-0.0341
1527	6	20	5	-0.0084	-0.0119	-0.1007	-0.0099	0.1278	-0.0219
1531	6	20	10	-0.0057	-0.0068	-0.1022	-0.0073	0.1070	-0.0146
1535	6	20	15	-0.0039	-0.0020	-0.1036	-0.0049	0.0918	-0.0083

* Indicates model was close to heave stop

TABLE 8.204.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1711	*	-2	-10	0	-0.0551	0.0281	-0.0484	0.0186	0.1448	0.0981
1647	*	-2	0	0	-0.0566	0.0026	-0.0527	0.0013	0.1502	0.0084
1651	*	-2	0	5	-0.0581	0.0594	-0.0525	0.0240	0.1641	0.2730
1662	*	-2	10	0	-0.0568	-0.0240	-0.0493	-0.0149	0.1504	-0.0949
1666	*	-2	10	5	-0.0561	0.0332	-0.0593	0.0095	0.2124	0.1577
1694	*	-2	20	0	-0.0617	-0.0434	-0.0402	-0.0234	0.1465	-0.1865
1698	*	-2	20	5	-0.0611	-0.0001	-0.0559	-0.0023	0.2379	0.0074
1629		0	-10	0	-0.0291	0.0121	-0.0535	0.0056	0.2087	0.0521
1633		0	-10	5	-0.0442	0.0497	-0.0470	0.0211	0.1880	0.1640
1637	*	0	-10	10	-0.0541	0.1594	-0.0273	0.0641	0.1355	0.5474
1562		0	0	0	-0.0267	0.0009	-0.0545	0.0005	0.2184	0.0026
1566		0	0	5	-0.0341	0.0270	-0.0546	0.0140	0.2305	0.0990
1570	*	0	0	10	-0.0635	0.1841	-0.0545	0.0790	0.2095	0.6707
1574	*	0	0	15	-0.0697	0.2763	-0.0545	0.0922	0.2350	0.9313
1580		0	10	0	-0.0287	-0.0098	-0.0539	-0.0039	0.2073	-0.0454
1584		0	10	5	-0.0271	0.0070	-0.0567	0.0047	0.2312	0.0194
1589		0	10	10	-0.0279	0.0323	-0.0612	0.0200	0.2478	0.0996
1593	*	0	10	15	-0.0688	0.1817	-0.0876	0.0915	0.4116	0.5361
1609		0	20	0	-0.0308	-0.0202	-0.0507	-0.0099	0.1743	-0.0767
1613		0	20	5	-0.0255	-0.0076	-0.0555	-0.0039	0.2217	-0.0389
1617		0	20	10	-0.0204	0.0043	-0.0597	-0.0003	0.2052	-0.0049
1621		0	20	15	-0.0171	0.0136	-0.0630	0.0005	0.1854	0.0152
1399		3	-10	0	-0.0113	0.0083	-0.0546	0.0067	0.1184	0.0212
1395		3	-10	5	-0.0161	0.0258	-0.0518	0.0178	0.1325	0.0523
1385		3	-10	10	-0.0250	0.0742	-0.0439	0.0406	0.1557	0.1541
1386		3	-10	13	-0.0361	0.1643	-0.0285	0.0797	0.1793	0.3825
1384	*	3	-10	15	-0.0443	0.2478	-0.0142	0.1117	0.1577	0.6347
1407		3	0	0	-0.0114	0.0010	-0.0554	0.0006	0.1083	0.0026
1411		3	0	5	-0.0122	0.0120	-0.0554	0.0087	0.1148	0.0231
1415		3	0	10	-0.0152	0.0317	-0.0556	0.0224	0.1335	0.0591
1419		3	0	15	-0.0275	0.1077	-0.0560	0.0627	0.2060	0.2246

* Indicates model was close to heave stop

TABLE 8.204.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
1438	3	10	0	-0.0118	-0.0069	-0.0549	-0.0062	0.1152	-0.0172
1443	3	10	5	-0.0102	0.0028	-0.0569	0.0010	0.0969	0.0005
1447	3	10	10	-0.0092	0.0130	-0.0581	0.0083	0.0834	0.0141
1451	3	10	15	-0.0086	0.0245	-0.0604	0.0160	0.0771	0.0270
1459	3	20	0	-0.0131	-0.0143	-0.0538	-0.0124	0.1319	-0.0360
1463	3	20	5	-0.0105	-0.0062	-0.0567	-0.0066	0.1041	-0.0167
1467	3	20	10	-0.0079	-0.0023	-0.0579	-0.0045	0.0813	-0.0094
1471	3	20	15	-0.0059	0.0018	-0.0593	-0.0029	0.0670	-0.0034
1543	6	-10	0	-0.0041	0.0090	-0.0547	0.0074	0.0518	0.0111
1547	6	-10	5	-0.0055	0.0151	-0.0538	0.0123	0.0655	0.0184
1551	6	-10	10	-0.0085	0.0326	-0.0506	0.0231	0.0774	0.0342
1555	6	-10	15	-0.0118	0.0730	-0.0441	0.0434	0.0990	0.0809
1478	6	0	0	-0.0035	0.0008	-0.0552	0.0005	0.0408	0.0027
1482	6	0	5	-0.0039	0.0082	-0.0555	0.0064	0.0422	0.0067
1486	6	0	10	-0.0044	0.0158	-0.0556	0.0123	0.0435	0.0118
1490	6	0	15	-0.0050	0.0240	-0.0555	0.0190	0.0467	0.0179
1496	6	10	0	-0.0037	-0.0076	-0.0549	-0.0073	0.0502	-0.0068
1500	6	10	5	-0.0035	-0.0019	-0.0558	-0.0033	0.0445	-0.0023
1504	6	10	10	-0.0036	0.0038	-0.0567	0.0006	0.0409	0.0015
1508	6	10	15	-0.0038	0.0103	-0.0580	0.0047	0.0378	0.0059
1524	6	20	0	-0.0072	-0.0123	-0.0549	-0.0112	0.0684	-0.0162
1528	6	20	5	-0.0043	-0.0110	-0.0550	-0.0098	0.0505	-0.0111
1532	6	20	10	-0.0029	-0.0084	-0.0556	-0.0084	0.0417	-0.0076
1536	6	20	15	-0.0024	-0.0064	-0.0565	-0.0072	0.0364	-0.0047

* Indicates model was close to heave stop

TABLE 8.211.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
586		0	-10	-10	-0.0540	0.0155	-0.3865	0.0446	1.0504	-0.0803
581		0	-10	-5	-0.0453	0.0546	-0.3796	0.0553	0.9915	0.0798
570		0	-10	0	-0.0402	0.0807	-0.3729	0.0642	0.9607	0.1928
573		0	-10	5	-0.0450	0.1038	-0.3688	0.0641	0.9559	0.2938
578		0	-10	10	-0.0547	0.1580	-0.3624	0.0706	0.9759	0.4823
469	*	0	0	-15	-0.0692	-0.1748	-0.3896	-0.0534	1.1016	-0.6943
465		0	0	-10	-0.0535	-0.0608	-0.3875	-0.0028	1.0297	-0.2880
460		0	0	-5	-0.0451	-0.0152	-0.3875	0.0049	0.9916	-0.1056
443		0	0	0	-0.0427	0.0005	-0.3885	0.0009	0.9994	-0.0182
447		0	0	5	-0.0422	0.0240	-0.3885	0.0107	1.0037	0.0791
451		0	0	10	-0.0496	0.0647	-0.3875	0.0234	1.0426	0.2257
455	*	0	0	15	-0.0655	0.1641	-0.3885	0.0616	1.1158	0.5438
535		0	10	-10	-0.0547	-0.1452	-0.3636	-0.0615	0.9269	-0.5197
531		0	10	-5	-0.0446	-0.0919	-0.3720	-0.0522	0.9382	-0.3092
472		0	10	0	-0.0415	-0.0634	-0.3823	-0.0429	0.9628	-0.1873
518		0	10	0	-0.0404	-0.0690	-0.3834	-0.0520	0.9700	-0.2020
476		0	10	5	-0.0408	-0.0383	-0.3652	-0.0322	0.9415	-0.0810
523		0	10	5	-0.0388	-0.0446	-0.3803	-0.0367	0.9765	-0.1014
526		0	10	10	-0.0459	-0.0116	-0.3872	-0.0249	1.0364	0.0154
561		0	20	-10	-0.0599	-0.2088	-0.3286	-0.0907	0.8079	-0.6715
556		0	20	-5	-0.0471	-0.1596	-0.3633	-0.0856	0.8904	-0.4698
539		0	20	0	-0.0417	-0.1278	-0.3614	-0.0826	0.9030	-0.3511
544		0	20	5	-0.0388	-0.1056	-0.3717	-0.0726	0.9476	-0.2673
549		0	20	10	-0.0450	-0.0695	-0.3859	-0.0595	1.0426	-0.1476
251		3	-10	-15	-0.0279	-0.0377	-0.4086	-0.0120	0.9139	-0.1329
246		3	-10	-10	-0.0249	0.0173	-0.3966	0.0226	0.8161	-0.0026
242		3	-10	-5	-0.0214	0.0593	-0.3922	0.0497	0.7709	0.0944
238		3	-10	0	-0.0192	0.0927	-0.3851	0.0688	0.7447	0.1764
234		3	-10	5	-0.0238	0.1229	-0.3834	0.0815	0.7610	0.2518
230		3	-10	10	-0.0320	0.1654	-0.3741	0.0827	0.7856	0.3501
226		3	-10	15	-0.0418	0.2713	-0.3527	0.1114	0.8230	0.5908
108		3	0	-15	-0.0350	-0.1343	-0.3951	-0.0731	0.8421	-0.3683
110		3	0	-15	-0.0345	-0.1319	-0.4038	-0.0683	0.8567	-0.3623
105		3	0	-10	-0.0270	-0.0535	-0.3947	-0.0340	0.7776	-0.1582
101		3	0	-5	-0.0227	-0.0162	-0.3945	-0.0146	0.7578	-0.0605
97		3	0	0	-0.0207	0.0089	-0.3987	0.0013	0.7625	0.0047
91		3	0	5	-0.0218	0.0396	-0.4088	0.0213	0.7895	0.0775
92		3	0	5	-0.0218	0.0377	-0.3945	0.0184	0.7650	0.0739
88		3	0	10	-0.0267	0.0795	-0.3947	0.0389	0.7993	0.1673
86		3	0	15	-0.0356	0.1660	-0.3962	0.0743	0.8721	0.3568

* Indicates model was close to heave stop

TABLE 8.211.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
114	3	10	-15	-0.0411	-0.2221	-0.3668	-0.1189	0.7708	-0.5674
160	3	10	-10	-0.0316	-0.1257	-0.3767	-0.0787	0.7442	-0.2979
164	3	10	-5	-0.0264	-0.0868	-0.3844	-0.0648	0.7349	-0.1957
168	3	10	0	-0.0228	-0.0545	-0.3899	-0.0432	0.7453	-0.1116
172	3	10	5	-0.0215	-0.0319	-0.3960	-0.0340	0.7615	-0.0647
188	3	10	10	-0.0222	0.0072	-0.4007	-0.0062	0.8148	0.0129
192	3	10	15	-0.0285	0.0727	-0.4126	0.0333	0.9112	0.1530
220	3	20	-15	-0.0350	-0.2673	-0.3221	-0.1272	0.6582	-0.6390
216	3	20	-10	-0.0282	-0.1853	-0.3504	-0.0989	0.6841	-0.4123
212	3	20	-5	-0.0230	-0.1485	-0.3658	-0.0893	0.6990	-0.3097
204	3	20	5	-0.0183	-0.0973	-0.3819	-0.0664	0.7386	-0.1931
208	3	20	5	-0.0169	-0.1238	-0.3721	-0.0795	0.7050	-0.2485
200	3	20	10	-0.0217	-0.0590	-0.3960	-0.0401	0.8037	-0.1232
196	3	20	15	-0.0278	-0.0093	-0.4156	-0.0116	0.9115	-0.0323
420	6	-10	-15	-0.0082	-0.0292	-0.4038	-0.0111	0.6620	-0.0341
416	6	-10	-10	-0.0076	0.0059	-0.3954	0.0103	0.6228	0.0164
412	6	-10	-5	-0.0057	0.0408	-0.3890	0.0275	0.5955	0.0538
409	6	-10	-5	-0.0060	0.0430	-0.3834	0.0294	0.5883	0.0607
394	6	-10	0	-0.0076	0.0798	-0.3845	0.0511	0.5865	0.1104
398	6	-10	5	-0.0104	0.1185	-0.3758	0.0710	0.5866	0.1675
402	6	-10	10	-0.0135	0.1727	-0.3677	0.0940	0.6046	0.2482
406	6	-10	15	-0.0178	0.2584	-0.3530	0.1266	0.6346	0.3789
296	6	0	-15	-0.0106	-0.0956	-0.3950	-0.0526	0.6290	-0.1495
292	6	0	-10	-0.0100	-0.0504	-0.3960	-0.0296	0.6025	-0.0798
288	6	0	-5	-0.0084	-0.0120	-0.3937	-0.0050	0.5809	-0.0169
268	6	0	0	-0.0042	0.0164	-0.3943	0.0076	0.5767	0.0158
274	6	0	5	-0.0097	0.0517	-0.3970	0.0290	0.5974	0.0665
278	6	0	10	-0.0093	0.0947	-0.3938	0.0549	0.6200	0.1319
284	6	0	15	-0.0153	0.1613	-0.3955	0.0841	0.6665	0.2260
300	6	10	-15	-0.0146	-0.1783	-0.3690	-0.0989	0.5973	-0.2835
305	6	10	-10	-0.0110	-0.1171	-0.3816	-0.0729	0.5818	-0.1819
309	6	10	-5	-0.0105	-0.0810	-0.3879	-0.0575	0.5754	-0.1269
325	6	10	0	-0.0073	-0.0420	-0.3933	-0.0315	0.5755	-0.0644
329	6	10	5	-0.0064	-0.0027	-0.4068	-0.0093	0.6082	-0.0151
333	6	10	10	-0.0076	0.0363	-0.4060	0.0168	0.6342	0.0366
337	6	10	15	-0.0095	0.0801	-0.4140	0.0400	0.6817	0.0916
365	6	20	-15	-0.0180	-0.2777	-0.3212	-0.1457	0.5281	-0.4502
361	6	20	-10	-0.0151	-0.1968	-0.3503	-0.1159	0.5431	-0.3056
357	6	20	-5	-0.0135	-0.1486	-0.3666	-0.0976	0.5530	-0.2238
341	6	20	0	-0.0130	-0.1059	-0.3809	-0.0774	0.5743	-0.1621
345	6	20	5	-0.0116	-0.0657	-0.3965	-0.0567	0.6010	-0.1092
349	6	20	10	-0.0103	-0.0204	-0.4129	-0.0284	0.6510	-0.0582
353	6	20	15	-0.0094	0.0063	-0.4259	-0.0119	0.6890	-0.0261

* Indicates model was close to heave stop

TABLE 8.213.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
587		0	-10	-10	-0.0437	-0.0486	-0.1071	-0.0142	0.4072	-0.2051
583		0	-10	-5	-0.0327	-0.0049	-0.0995	0.0041	0.3352	-0.0418
571		0	-10	0	-0.0299	0.0208	-0.0954	0.0146	0.2862	0.0485
575		0	-10	5	-0.0378	0.0580	-0.0884	0.0258	0.2857	0.1554
579	*	0	-10	10	-0.0501	0.1403	-0.0739	0.0509	0.2875	0.3943
466	*	0	0	-10	-0.0511	-0.0989	-0.0971	-0.0309	0.3266	-0.3665
461		0	0	-5	-0.0343	-0.0255	-0.0967	-0.0086	0.3083	-0.1189
444		0	0	0	-0.0299	0.0004	-0.0962	0.0018	0.3057	-0.0173
448		0	0	5	-0.0342	0.0257	-0.0962	0.0124	0.3222	0.0709
452	*	0	0	10	-0.0483	0.1015	-0.0962	0.0409	0.3735	0.2546
456	*	0	0	15	-0.0520	0.1916	-0.0967	0.0831	0.4024	0.5031
536		0	10	-10	-0.0475	-0.1246	-0.0771	-0.0466	0.2140	-0.4561
532		0	10	-5	-0.0342	-0.0486	-0.0906	-0.0216	0.2470	-0.1806
473		0	10	0	-0.0301	-0.0227	-0.0942	-0.0177	0.2764	-0.0923
478		0	10	5	-0.0318	0.0062	-0.1011	0.0041	0.3332	0.0072
527		0	10	10	-0.0394	0.0489	-0.1077	0.0243	0.3982	0.1308
528		0	10	10	-0.0396	0.0487	-0.1076	0.0239	0.3989	0.1298
562	*	0	20	-10	-0.0571	-0.1383	-0.0533	-0.0454	0.2623	-0.5101
567		0	20	-8	-0.0422	-0.1078	-0.0641	-0.0385	0.1809	-0.3762
557		0	20	-5	-0.0341	-0.0653	-0.0814	-0.0286	0.2164	-0.2146
558		0	20	-5	-0.0341	-0.0662	-0.0797	-0.0304	0.2121	-0.2178
540		0	20	0	-0.0287	-0.0343	-0.0914	-0.0183	0.2454	-0.1130
546		0	20	5	-0.0282	-0.0124	-0.0997	-0.0078	0.3071	-0.0566
550		0	20	10	-0.0281	0.0110	-0.1082	0.0054	0.3510	0.0078
252		3	-10	-15	-0.0110	-0.0267	-0.1041	-0.0163	0.2067	-0.0507
247		3	-10	-10	-0.0125	-0.0088	-0.1010	-0.0035	0.2136	-0.0172
243		3	-10	-5	-0.0129	0.0066	-0.0986	0.0077	0.2203	0.0153
239		3	-10	0	-0.0148	0.0258	-0.0950	0.0193	0.2136	0.0524
235		3	-10	5	-0.0195	0.0530	-0.0905	0.0320	0.2178	0.1034
231		3	-10	10	-0.0284	0.1192	-0.0795	0.0591	0.2426	0.2381
227	*	3	-10	15	-0.0438	0.2808	-0.0517	0.1168	0.2744	0.6437
111		3	0	-15	-0.0265	-0.0964	-0.0987	-0.0532	0.2822	-0.2401
106		3	0	-10	-0.0176	-0.0307	-0.0977	-0.0204	0.2231	-0.0794
102		3	0	-5	-0.0149	-0.0084	-0.0975	-0.0062	0.2086	-0.0268
98		3	0	0	-0.0125	0.0075	-0.0974	0.0049	0.2044	0.0105
94		3	0	5	-0.0156	0.0299	-0.0976	0.0192	0.2171	0.0559
89		3	0	10	-0.0214	0.0669	-0.0979	0.0401	0.2518	0.1284
85		3	0	15	-0.0340	0.1670	-0.0985	0.0835	0.3296	0.3384

* Indicates model was close to heave stop

TABLE 8.213.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
115	3	10	-15	-0.0380	-0.1895	-0.0674	-0.0878	0.2445	-0.4936
155	3	10	-15	-0.0368	-0.1766	-0.0705	-0.0874	0.2491	-0.4500
156	3	10	-15	-0.0364	-0.1758	-0.0693	-0.0834	0.2453	-0.4497
161	3	10	-10	-0.0222	-0.0607	-0.0883	-0.0360	0.2165	-0.1415
165	3	10	-5	-0.0161	-0.0246	-0.0943	-0.0191	0.2031	-0.0607
169	3	10	0	-0.0137	-0.0066	-0.0974	-0.0068	0.2025	-0.0227
173	3	10	5	-0.0114	0.0081	-0.0999	0.0046	0.1977	0.0097
189	3	10	10	-0.0114	0.0249	-0.1034	0.0163	0.1987	0.0394
193	3	10	15	-0.0120	0.0473	-0.1072	0.0318	0.2101	0.0765
221	3	20	-15	-0.0323	-0.1701	-0.0434	-0.0789	0.1501	-0.4341
217	3	20	-10	-0.0219	-0.0770	-0.0768	-0.0411	0.1926	-0.1778
213	3	20	-5	-0.0159	-0.0393	-0.0901	-0.0244	0.1939	-0.0890
209	3	20	0	-0.0136	-0.0231	-0.0959	-0.0156	0.1981	-0.0584
205	3	20	5	-0.0113	-0.0085	-0.1009	-0.0044	0.1943	-0.0251
201	3	20	10	-0.0106	0.0073	-0.1066	0.0068	0.1914	0.0044
197	3	20	15	-0.0097	0.0247	-0.1130	0.0194	0.1859	0.0317
421	6	-10	-15	-0.0029	-0.0119	-0.1005	-0.0085	0.1011	-0.0063
417	6	-10	-10	-0.0029	-0.0024	-0.0988	-0.0014	0.1098	0.0034
413	6	-10	-5	-0.0027	0.0065	-0.0975	0.0047	0.1256	0.0129
395	6	-10	0	-0.0062	0.0176	-0.0958	0.0136	0.1467	0.0298
399	6	-10	5	-0.0091	0.0441	-0.0917	0.0286	0.1544	0.0572
403	6	-10	10	-0.0125	0.0865	-0.0847	0.0487	0.1709	0.1124
407	6	-10	15	-0.0164	0.1621	-0.0714	0.0815	0.1998	0.2286
297	6	0	-15	-0.0063	-0.0297	-0.0983	-0.0225	0.1370	-0.0372
293	6	0	-10	-0.0048	-0.0148	-0.0982	-0.0117	0.1265	-0.0175
289	6	0	-5	-0.0031	-0.0040	-0.0983	-0.0038	0.1229	-0.0048
269	6	0	0	-0.0035	0.0078	-0.0983	0.0059	0.1236	0.0112
275	6	0	5	-0.0047	0.0192	-0.0987	0.0148	0.1304	0.0254
279	6	0	10	-0.0074	0.0383	-0.0988	0.0268	0.1413	0.0457
280	6	0	10	-0.0072	0.0376	-0.0990	0.0261	0.1418	0.0441
285	6	0	15	-0.0101	0.0735	-0.0990	0.0464	0.1682	0.0866
302	6	10	-15	-0.0114	-0.0736	-0.0877	-0.0443	0.1670	-0.1057
306	6	10	-10	-0.0093	-0.0340	-0.0942	-0.0246	0.1506	-0.0499
310	6	10	-5	-0.0061	-0.0144	-0.0973	-0.0120	0.1377	-0.0234
326	6	10	0	-0.0031	-0.0040	-0.0992	-0.0049	0.1187	-0.0094
330	6	10	5	-0.0022	0.0061	-0.1014	0.0028	0.1045	0.0006
334	6	10	10	-0.0021	0.0160	-0.1032	0.0100	0.0940	0.0100
338	6	10	15	-0.0024	0.0257	-0.1045	0.0158	0.0880	0.0165
366	6	20	-15	-0.0152	-0.1251	-0.0601	-0.0628	0.1380	-0.1948
362	6	20	-10	-0.0122	-0.0644	-0.0819	-0.0393	0.1468	-0.0964
358	6	20	-5	-0.0107	-0.0330	-0.0931	-0.0251	0.1482	-0.0525
342	6	20	0	-0.0059	-0.0149	-0.0996	-0.0138	0.1337	-0.0270
346	6	20	5	-0.0045	-0.0092	-0.1011	-0.0102	0.1109	-0.0190
350	6	20	10	-0.0033	-0.0040	-0.1027	-0.0077	0.0939	-0.0111
354	6	20	15	-0.0021	-0.0012	-0.1037	-0.0077	0.0841	-0.0091

* Indicates model was close to heave stop

TABLE 8.214.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
588		0	-10	-10	-0.0408	-0.0489	-0.0640	-0.0173	0.3083	-0.2011
584		0	-10	-5	-0.0290	-0.0079	-0.0571	-0.0014	0.2380	-0.0417
572		0	-10	0	-0.0279	0.0105	-0.0538	0.0064	0.2055	0.0315
576	*	0	-10	5	-0.0436	0.0553	-0.0459	0.0221	0.2059	0.1421
580	*	0	-10	10	-0.0459	0.1327	-0.0323	0.0462	0.1856	0.3736
467	*	0	0	-10	-0.0492	-0.0942	-0.0545	-0.0335	0.2313	-0.3595
462		0	0	-5	-0.0325	-0.0241	-0.0544	-0.0076	0.2172	-0.1167
445		0	0	0	-0.0262	-0.0014	-0.0545	-0.0003	0.2117	-0.0169
449		0	0	5	-0.0319	0.0234	-0.0545	0.0110	0.2276	0.0663
453	*	0	0	10	-0.0459	0.0946	-0.0544	0.0378	0.2721	0.2459
457	*	0	0	15	-0.0512	0.1865	-0.0545	0.0761	0.2992	0.4937
537	*	0	10	-10	-0.0485	-0.1241	-0.0338	-0.0390	0.1169	-0.4825
533		0	10	-5	-0.0366	-0.0436	-0.0480	-0.0173	0.1605	-0.1806
474		0	10	0	-0.0281	-0.0110	-0.0534	-0.0024	0.1977	-0.0631
519		0	10	0	-0.0277	-0.0117	-0.0525	-0.0040	0.1963	-0.0661
520		0	10	0	-0.0280	-0.0129	-0.0544	-0.0046	0.2004	-0.0691
479		0	10	5	-0.0253	0.0066	-0.0554	0.0046	0.2099	0.0041
521		0	10	5	-0.0254	0.0057	-0.0559	0.0045	0.2123	0.0014
529		0	10	10	-0.0285	0.0352	-0.0611	0.0208	0.2489	0.0897
563		0	20	-10	-0.0526	-0.1079	-0.0191	-0.0339	0.1807	-0.4354
566	*	0	20	-8	-0.0489	-0.1138	-0.0169	-0.0371	0.0531	-0.4541
554		0	20	-5	-0.0357	-0.0512	-0.0407	-0.0185	0.1244	-0.1972
559		0	20	-5	-0.0363	-0.0565	-0.0371	-0.0251	0.1138	-0.2168
541		0	20	0	-0.0308	-0.0195	-0.0516	-0.0093	0.1602	-0.0820
547		0	20	5	-0.0242	-0.0068	-0.0563	-0.0034	0.2001	-0.0447
564		0	20	5	-0.0246	-0.0057	-0.0563	-0.0028	0.2021	-0.0413
551		0	20	10	-0.0205	0.0087	-0.0618	0.0016	0.1975	0.0000
552		0	20	10	-0.0205	0.0088	-0.0623	0.0015	0.1990	0.0001
565		0	20	10	-0.0205	0.0071	-0.0609	0.0010	0.1981	-0.0038
253		3	-10	-15	-0.0070	-0.0173	-0.0588	-0.0108	0.0842	-0.0213
248		3	-10	-10	-0.0080	-0.0066	-0.0572	-0.0036	0.0945	-0.0065
249		3	-10	-10	-0.0076	-0.0061	-0.0569	-0.0033	0.0935	-0.0056
244		3	-10	-5	-0.0096	0.0032	-0.0553	0.0027	0.1123	0.0086
240		3	-10	0	-0.0122	0.0164	-0.0532	0.0127	0.1294	0.0346
236		3	-10	5	-0.0168	0.0406	-0.0491	0.0242	0.1380	0.0748
232		3	-10	10	-0.0286	0.1133	-0.0370	0.0550	0.1758	0.2327
228	*	3	-10	15	-0.0398	0.2660	-0.0106	0.1115	0.1970	0.6144
254	*	3	-10	15	-0.0402	0.2658	-0.0110	0.1091	0.1984	0.6156
112		3	0	-15	-0.0204	-0.0724	-0.0556	-0.0429	0.1743	-0.1691
107		3	0	-10	-0.0112	-0.0173	-0.0548	-0.0129	0.1167	-0.0379
103		3	0	-5	-0.0109	-0.0045	-0.0549	-0.0035	0.1103	-0.0110
99		3	0	0	-0.0107	0.0067	-0.0548	0.0048	0.1114	0.0123
95		3	0	5	-0.0123	0.0221	-0.0551	0.0155	0.1207	0.0396
82		3	0	10	-0.0170	0.0501	-0.0554	0.0318	0.1506	0.0905
84		3	0	15	-0.0309	0.1476	-0.0565	0.0768	0.2414	0.3007

* Indicates model was close to heave stop

TABLE 8 214.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
158	3	10	-15	-0.0345	-0.1531	-0.0305	-0.0799	0.1550	-0.4156
162	3	10	-10	-0.0169	-0.0360	-0.0495	-0.0237	0.1342	-0.0818
166	3	10	-5	-0.0129	-0.0129	-0.0534	-0.0110	0.1205	-0.0336
170	3	10	0	-0.0099	-0.0014	-0.0552	-0.0020	0.1035	-0.0073
174	3	10	5	-0.0086	0.0087	-0.0571	0.0052	0.0880	0.0091
186	3	10	5	-0.0080	0.0086	-0.0571	0.0047	0.0874	0.0084
190	3	10	10	-0.0074	0.0196	-0.0592	0.0115	0.0790	0.0215
194	3	10	15	-0.0071	0.0327	-0.0615	0.0200	0.0747	0.0372
222	3	20	-15	-0.0237	-0.1113	-0.0191	-0.0567	0.0948	-0.2810
224	3	20	-14	-0.0329	-0.1493	-0.0059	-0.0707	0.1018	-0.3969
223	3	20	-13	-0.0300	-0.1186	-0.0168	-0.0602	0.1111	-0.3079
218	3	20	-10	-0.0180	-0.0485	-0.0416	-0.0277	0.1218	-0.1125
214	3	20	-5	-0.0127	-0.0214	-0.0509	-0.0149	0.1166	-0.0517
210	3	20	0	-0.0098	-0.0110	-0.0546	-0.0073	0.1027	-0.0258
206	3	20	5	-0.0082	-0.0018	-0.0578	-0.0012	0.0869	-0.0077
202	3	20	10	-0.0072	0.0083	-0.0614	0.0049	0.0793	0.0074
198	3	20	15	-0.0066	0.0183	-0.0651	0.0104	0.0760	0.0187
422	6	-10	-15	-0.0017	-0.0044	-0.0566	-0.0019	0.0439	-0.0014
418	6	-10	-10	-0.0014	0.0016	-0.0555	0.0017	0.0465	0.0033
414	6	-10	-5	-0.0014	0.0066	-0.0546	0.0050	0.0502	0.0075
396	6	-10	0	-0.0028	0.0132	-0.0535	0.0100	0.0576	0.0153
400	6	-10	5	-0.0051	0.0237	-0.0519	0.0166	0.0707	0.0258
404	6	-10	10	-0.0086	0.0509	-0.0476	0.0309	0.0873	0.0547
408	6	-10	15	-0.0129	0.1224	-0.0355	0.0628	0.1251	0.1547
298	6	0	-15	-0.0028	-0.0177	-0.0551	-0.0140	0.0446	-0.0115
294	6	0	-10	-0.0024	-0.0095	-0.0551	-0.0079	0.0442	-0.0052
290	6	0	-5	-0.0014	-0.0019	-0.0550	-0.0024	0.0421	-0.0003
270	6	0	0	-0.0012	0.0073	-0.0551	0.0057	0.0429	0.0104
272	6	0	0	-0.0009	0.0053	-0.0553	0.0033	0.0423	0.0041
276	6	0	5	-0.0022	0.0131	-0.0554	0.0091	0.0427	0.0098
281	6	0	10	-0.0026	0.0207	-0.0554	0.0147	0.0437	0.0150
286	6	0	15	-0.0032	0.0296	-0.0553	0.0214	0.0464	0.0227
303	6	10	-15	-0.0060	-0.0349	-0.0501	-0.0251	0.0791	-0.0378
307	6	10	-10	-0.0046	-0.0178	-0.0530	-0.0151	0.0655	-0.0191
311	6	10	-5	-0.0027	-0.0103	-0.0541	-0.0092	0.0526	-0.0092
322	6	10	-5	-0.0030	-0.0113	-0.0545	-0.0108	0.0529	-0.0122
327	6	10	0	-0.0017	-0.0045	-0.0554	-0.0057	0.0445	-0.0044
331	6	10	5	-0.0007	0.0007	-0.0564	-0.0024	0.0420	-0.0009
335	6	10	10	-0.0012	0.0064	-0.0575	0.0008	0.0369	0.0022
339	6	10	15	-0.0013	0.0133	-0.0585	0.0047	0.0359	0.0072
367	6	20	-15	-0.0108	-0.0797	-0.0308	-0.0407	0.0821	-0.1046
363	6	20	-10	-0.0080	-0.0361	-0.0464	-0.0239	0.0799	-0.0453
359	6	20	-5	-0.0066	-0.0164	-0.0534	-0.0148	0.0721	-0.0226
343	6	20	0	-0.0028	-0.0120	-0.0546	-0.0113	0.0525	-0.0130
347	6	20	5	-0.0019	-0.0095	-0.0555	-0.0102	0.0415	-0.0091
351	6	20	10	-0.0011	-0.0083	-0.0558	-0.0098	0.0360	-0.0074
355	6	20	15	-0.0007	-0.0076	-0.0559	-0.0100	0.0336	-0.0076

* Indicates model was close to heave stop

TABLE 8.221.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2935		0	-10	-15	-0.0673	-0.1221	-0.4171	-0.0170	1.1937	-0.6209
2936		0	-10	-15	-0.0650	-0.1181	-0.4164	-0.0156	1.1867	-0.6033
2931		0	-10	-10	-0.0541	-0.0287	-0.4006	0.0182	1.0844	-0.2617
2927		0	-10	-5	-0.0480	0.0292	-0.3904	0.0432	1.0299	-0.0301
2913		0	-10	0	-0.0430	0.0617	-0.3858	0.0504	1.0082	0.1101
2917		0	-10	5	-0.0446	0.0917	-0.3794	0.0609	1.0137	0.2339
2921		0	-10	10	-0.0576	0.1493	-0.3693	0.0777	1.0501	0.4161
2925	*	0	-10	15	-0.0740	0.2588	-0.3499	0.1015	1.0964	0.7702
2832	*	0	0	-15	-0.0721	-0.2445	-0.3896	-0.0803	1.0333	-0.9918
2826		0	0	-10	-0.0575	-0.1073	-0.3896	-0.0262	1.0221	-0.4713
2822		0	0	-5	-0.0469	-0.0414	-0.3896	-0.0007	0.9958	-0.2101
2799		0	0	0	-0.0451	-0.0069	-0.3906	0.0075	1.0074	-0.0676
2803		0	0	5	-0.0467	0.0167	-0.3906	0.0163	1.0348	0.0318
2817		0	0	10	-0.0537	0.0621	-0.3906	0.0324	1.0930	0.1896
2860	*	0	10	-15	-0.0812	-0.2824	-0.3458	-0.0977	0.8924	-1.0770
2856		0	10	-10	-0.0614	-0.1908	-0.3609	-0.0773	0.8949	-0.7049
2852		0	10	-5	-0.0499	-0.1148	-0.3743	-0.0535	0.9269	-0.4035
2836		0	10	0	-0.0439	-0.0804	-0.3814	-0.0504	0.9614	-0.2610
2840		0	10	5	-0.0452	-0.0510	-0.3866	-0.0370	1.0085	-0.1480
2844		0	10	10	-0.0522	-0.0154	-0.3929	-0.0182	1.0779	-0.0283
2848		0	10	15	-0.0670	0.0612	-0.4053	0.0128	1.2288	0.1970
2849		0	10	15	-0.0676	0.0614	-0.4064	0.0141	1.2318	0.1968
2894	*	0	20	-15	-0.0873	-0.3426	-0.2899	-0.1205	0.6883	-1.2322
2890		0	20	-10	-0.0638	-0.2277	-0.3306	-0.0998	0.7812	-0.7586
2886		0	20	-5	-0.0514	-0.1792	-0.3494	-0.0922	0.8413	-0.5607
2865		0	20	0	-0.0430	-0.1426	-0.3638	-0.0855	0.9037	-0.4231
2869		0	20	5	-0.0429	-0.1151	-0.3727	-0.0778	0.9559	-0.3258
2873		0	20	10	-0.0468	-0.0767	-0.3867	-0.0609	1.0537	-0.2051
2877		0	20	15	-0.0594	-0.0152	-0.4091	-0.0302	1.2047	-0.0287
3073		3	-10	-15	-0.0310	-0.0427	-0.4064	-0.0041	0.9151	-0.1854
3069		3	-10	-10	-0.0266	0.0172	-0.3967	0.0327	0.8260	-0.0347
3065		3	-10	-5	-0.0239	0.0579	-0.3893	0.0539	0.7794	0.0701
3048		3	-10	0	-0.0219	0.0854	-0.3844	0.0671	0.7661	0.1357
3052		3	-10	5	-0.0249	0.1177	-0.3778	0.0809	0.7781	0.2142
3057		3	-10	10	-0.0315	0.1722	-0.3685	0.0977	0.8200	0.3409
3060		3	-10	15	-0.0453	0.2976	-0.3471	0.1370	0.8766	0.6262
2968		3	0	-15	-0.0357	-0.1374	-0.3920	-0.0627	0.8123	-0.4175
2963		3	0	-10	-0.0282	-0.0608	-0.3916	-0.0242	0.7601	-0.1959
2959		3	0	-5	-0.0258	-0.0180	-0.3915	-0.0034	0.7493	-0.0809
2943		3	0	0	-0.0228	0.0097	-0.3913	0.0135	0.7564	-0.0129
2947		3	0	5	-0.0251	0.0397	-0.3914	0.0305	0.7831	0.0569
2951		3	0	10	-0.0310	0.0850	-0.3917	0.0498	0.8373	0.1530
2955		3	0	15	-0.0423	0.1809	-0.3923	0.0882	0.9359	0.3494

* Indicates model was close to heave stop

TABLE 8.221.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2985	3	10	-15	-0.0374	-0.2061	-0.3618	-0.1003	0.7136	-0.5521
2986	3	10	-15	-0.0370	-0.2057	-0.3618	-0.0991	0.7139	-0.5545
2981	3	10	-10	-0.0299	-0.1279	-0.3752	-0.0685	0.7171	-0.3278
2977	3	10	-5	-0.0265	-0.0891	-0.3818	-0.0537	0.7217	-0.2186
2973	3	10	0	-0.0238	-0.0562	-0.3864	-0.0350	0.7363	-0.1345
2990	3	10	5	-0.0258	-0.0326	-0.3918	-0.0253	0.7653	-0.0876
2994	3	10	10	-0.0273	0.0100	-0.3993	0.0059	0.8330	-0.0081
2998	3	10	15	-0.0352	0.0717	-0.4106	0.0353	0.9430	0.1060
3043	3	20	-15	-0.0402	-0.2557	-0.3266	-0.1035	0.6354	-0.6595
3038	3	20	-10	-0.0293	-0.1975	-0.3471	-0.0997	0.6559	-0.4661
3034	3	20	-5	-0.0279	-0.1462	-0.3658	-0.0816	0.6958	-0.3230
3004	3	20	0	-0.0245	-0.1199	-0.3729	-0.0760	0.7162	-0.2608
3008	3	20	5	-0.0248	-0.0899	-0.3838	-0.0635	0.7486	-0.1999
3025	3	20	10	-0.0232	-0.0520	-0.3998	-0.0451	0.8111	-0.1349
3030	3	20	15	-0.0279	-0.0097	-0.4166	-0.0191	0.9145	-0.0655
3199	6	-10	-15	-0.0114	-0.0250	-0.4045	0.0000	0.6622	-0.0358
3195	6	-10	-10	-0.0107	0.0164	-0.3971	0.0256	0.6193	0.0173
3191	6	-10	-5	-0.0107	0.0548	-0.3892	0.0473	0.5919	0.0659
3187	6	-10	0	-0.0104	0.0952	-0.3821	0.0695	0.5817	0.1240
3203	6	-10	5	-0.0155	0.1365	-0.3764	0.0921	0.5966	0.1866
3207	6	-10	10	-0.0194	0.1964	-0.3663	0.1155	0.6243	0.2733
3211	6	-10	15	-0.0249	0.3110	-0.3467	0.1604	0.6800	0.4565
3212	6	-10	15	-0.0285	0.3198	-0.3444	0.1668	0.6742	0.4743
3107	6	0	-15	-0.0144	-0.0910	-0.3954	-0.0454	0.6145	-0.1579
3102	6	0	-10	-0.0127	-0.0478	-0.3952	-0.0203	0.5875	-0.0879
3098	6	0	-5	-0.0127	-0.0095	-0.3952	0.0028	0.5840	-0.0294
3082	6	0	0	-0.0094	0.0266	-0.3948	0.0247	0.5874	0.0228
3085	6	0	5	-0.0118	0.0624	-0.3951	0.0457	0.6068	0.0725
3090	6	0	10	-0.0168	0.1131	-0.3956	0.0743	0.6450	0.1428
3094	6	0	15	-0.0210	0.1905	-0.3961	0.1054	0.7079	0.2456
3151	6	10	-15	-0.0171	-0.1645	-0.3738	-0.0857	0.5789	-0.2726
3147	6	10	-10	-0.0130	-0.1093	-0.3831	-0.0602	0.5710	-0.1753
3143	6	10	-5	-0.0124	-0.0701	-0.3900	-0.0373	0.5728	-0.1117
3126	6	10	0	-0.0095	-0.0331	-0.3973	-0.0178	0.5900	-0.0576
3130	6	10	5	-0.0102	0.0048	-0.4041	0.0024	0.6189	-0.0204
3135	6	10	10	-0.0128	0.0426	-0.4099	0.0272	0.6632	0.0276
3139	6	10	15	-0.0181	0.0964	-0.4200	0.0590	0.7239	0.0940
3169	6	20	-15	-0.0198	-0.2508	-0.3301	-0.1225	0.5120	-0.4144
3165	6	20	-10	-0.0171	-0.1806	-0.3553	-0.0979	0.5302	-0.2849
3161	6	20	-5	-0.0158	-0.1359	-0.3726	-0.0772	0.5524	-0.2090
3157	6	20	0	-0.0142	-0.0987	-0.3848	-0.0630	0.5737	-0.1568
3173	6	20	5	-0.0189	-0.0517	-0.4024	-0.0375	0.6096	-0.0942
3177	6	20	10	-0.0171	-0.0130	-0.4163	-0.0119	0.6683	-0.0559
3181	6	20	15	-0.0166	0.0219	-0.4290	0.0142	0.7092	-0.0120

* Indicates model was close to heave stop

TABLE 8.223.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2937	*	0	-10	-15	-0.0669	-0.1849	-0.1311	-0.0778	0.4769	-0.7050
2939	*	0	-10	-15	-0.0652	-0.1858	-0.1313	-0.0764	0.4582	-0.7124
2932		0	-10	-10	-0.0454	-0.0801	-0.1128	-0.0270	0.4170	-0.3461
2928		0	-10	-5	-0.0370	-0.0247	-0.1030	-0.0039	0.3554	-0.1319
2914		0	-10	0	-0.0344	0.0110	-0.0968	0.0116	0.3097	-0.0101
2918		0	-10	5	-0.0410	0.0541	-0.0890	0.0260	0.3246	0.0974
2922	*	0	-10	10	-0.0540	0.1497	-0.0721	0.0593	0.3445	0.3483
2833	*	0	0	-15	-0.0598	-0.2421	-0.0971	-0.0956	0.3068	-0.9210
2828		0	0	-10	-0.0493	-0.1101	-0.0970	-0.0371	0.2884	-0.4417
2823		0	0	-5	-0.0370	-0.0393	-0.0971	-0.0105	0.2979	-0.1817
2800		0	0	0	-0.0342	-0.0058	-0.0970	0.0042	0.3077	-0.0613
2804		0	0	5	-0.0383	0.0239	-0.0973	0.0160	0.3467	0.0314
2818	*	0	0	10	-0.0539	0.1162	-0.0973	0.0500	0.4146	0.2344
2857		0	10	-10	-0.0480	-0.1537	-0.0715	-0.0558	0.1547	-0.5879
2853		0	10	-5	-0.0383	-0.0627	-0.0873	-0.0236	0.2218	-0.2460
2837		0	10	0	-0.0338	-0.0233	-0.0944	-0.0089	0.2633	-0.1085
2841		0	10	5	-0.0348	0.0043	-0.0990	0.0067	0.3228	-0.0235
2845		0	10	10	-0.0417	0.0481	-0.1067	0.0291	0.3842	0.0892
2850	*	0	10	15	-0.0579	0.1714	-0.1286	0.0818	0.5131	0.3749
2896	*	0	20	-15	-0.0780	-0.2595	-0.0088	-0.1004	0.2129	-1.0094
2892		0	20	-10	-0.0519	-0.1325	-0.0551	-0.0491	0.2393	-0.5075
2887		0	20	-5	-0.0375	-0.0812	-0.0738	-0.0332	0.1768	-0.2933
2866		0	20	0	-0.0329	-0.0411	-0.0886	-0.0212	0.2259	-0.1486
2870		0	20	5	-0.0320	-0.0117	-0.0990	-0.0060	0.2857	-0.0696
2874		0	20	10	-0.0292	0.0103	-0.1071	0.0084	0.3185	-0.0132
2878		0	20	15	-0.0257	0.0301	-0.1140	0.0166	0.3173	0.0354
2883		0	20	15	-0.0259	0.0289	-0.1136	0.0150	0.3194	0.0326
3074		3	-10	-15	-0.0141	-0.0275	-0.1048	-0.0130	0.2346	-0.0686
3070		3	-10	-10	-0.0144	-0.0102	-0.1016	-0.0006	0.2348	-0.0314
3066		3	-10	-5	-0.0152	0.0059	-0.0988	0.0106	0.2358	0.0052
3049		3	-10	0	-0.0173	0.0303	-0.0945	0.0240	0.2271	0.0468
3053		3	-10	5	-0.0221	0.0623	-0.0892	0.0387	0.2387	0.1047
3054		3	-10	5	-0.0219	0.0624	-0.0891	0.0388	0.2375	0.1052
3058		3	-10	10	-0.0321	0.1420	-0.0758	0.0714	0.2762	0.2611
3062	*	3	-10	15	-0.0488	0.3054	-0.0479	0.1322	0.3311	0.6579
2969		3	0	-15	-0.0324	-0.1168	-0.0987	-0.0602	0.2910	-0.3323
2964		3	0	-10	-0.0206	-0.0390	-0.0982	-0.0208	0.2323	-0.1196
2960		3	0	-5	-0.0175	-0.0089	-0.0980	-0.0033	0.2125	-0.0388
2944		3	0	0	-0.0168	0.0087	-0.0979	0.0078	0.2134	-0.0012
2948		3	0	5	-0.0181	0.0324	-0.0983	0.0226	0.2284	0.0432
2953		3	0	10	-0.0232	0.0721	-0.0980	0.0443	0.2635	0.1101
2956		3	0	15	-0.0375	0.1773	-0.0992	0.0907	0.3666	0.3143

* Indicates model was close to heave stop

TABLE 8.223.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2987	3	10	-15	-0.0194	-0.0786	-0.0858	-0.0453	0.2727	-0.1879
2982	3	10	-10	-0.0243	-0.0595	-0.0894	-0.0317	0.2048	-0.1589
2978	3	10	-5	-0.0184	-0.0222	-0.0956	-0.0144	0.1986	-0.0661
2974	3	10	0	-0.0159	-0.0053	-0.0985	-0.0029	0.2025	-0.0297
2991	3	10	5	-0.0133	0.0094	-0.1009	0.0083	0.1986	0.0019
2995	3	10	10	-0.0131	0.0269	-0.1042	0.0223	0.1954	0.0335
2999	3	10	15	-0.0131	0.0488	-0.1078	0.0388	0.1971	0.0691
3044	3	20	-15	-0.0252	-0.1197	-0.0616	-0.0484	0.2186	-0.3069
3039	3	20	-10	-0.0222	-0.0770	-0.0771	-0.0375	0.2075	-0.1950
3035	3	20	-5	-0.0195	-0.0375	-0.0912	-0.0223	0.1880	-0.0867
3005	3	20	0	-0.0164	-0.0139	-0.0994	-0.0104	0.1954	-0.0447
3009	3	20	5	-0.0144	0.0001	-0.1041	-0.0002	0.1864	-0.0184
3026	3	20	10	-0.0117	0.0089	-0.1032	0.0048	0.1689	-0.0041
3031	3	20	15	-0.0101	0.0186	-0.1116	0.0097	0.1456	0.0107
3200	6	-10	-15	-0.0041	-0.0084	-0.1010	-0.0021	0.1053	-0.0033
3196	6	-10	-10	-0.0054	0.0001	-0.0999	0.0041	0.1205	0.0040
3192	6	-10	-5	-0.0054	0.0096	-0.0983	0.0116	0.1383	0.0160
3188	6	-10	0	-0.0094	0.0302	-0.0947	0.0248	0.1491	0.0373
3204	6	-10	5	-0.0126	0.0607	-0.0899	0.0406	0.1611	0.0710
3208	6	-10	10	-0.0155	0.1110	-0.0814	0.0654	0.1825	0.1366
3213	6	-10	15	-0.0253	0.2371	-0.0601	0.1197	0.2385	0.3552
3108	6	0	-15	-0.0077	-0.0252	-0.0986	-0.0164	0.1359	-0.0350
3103	6	0	-10	-0.0055	-0.0114	-0.1016	-0.0061	0.1342	-0.0166
3104	6	0	-10	-0.0055	-0.0112	-0.0984	-0.0060	0.1266	-0.0159
3099	6	0	-5	-0.0057	0.0005	-0.0987	0.0038	0.1240	-0.0003
3081	6	0	0	-0.0063	0.0112	-0.0989	0.0122	0.1257	0.0124
3086	6	0	5	-0.0070	0.0261	-0.0989	0.0236	0.1316	0.0292
3091	6	0	10	-0.0091	0.0491	-0.0990	0.0388	0.1439	0.0531
3095	6	0	15	-0.0127	0.0957	-0.0991	0.0642	0.1802	0.1063
3152	6	10	-15	-0.0123	-0.0572	-0.0907	-0.0331	0.1597	-0.0881
3148	6	10	-10	-0.0096	-0.0250	-0.0962	-0.0166	0.1470	-0.0409
3144	6	10	-5	-0.0071	-0.0079	-0.0989	-0.0040	0.1295	-0.0150
3127	6	10	0	-0.0061	0.0031	-0.1012	0.0049	0.1120	0.0006
3131	6	10	5	-0.0049	0.0123	-0.1025	0.0119	0.0948	0.0072
3136	6	10	10	-0.0052	0.0233	-0.1045	0.0214	0.0840	0.0183
3140	6	10	15	-0.0048	0.0310	-0.1057	0.0260	0.0759	0.0222
3170	6	20	-15	-0.0158	-0.1061	-0.0672	-0.0511	0.1311	-0.1789
3166	6	20	-10	-0.0126	-0.0489	-0.0880	-0.0282	0.1443	-0.0789
3162	6	20	-5	-0.0106	-0.0193	-0.0987	-0.0136	0.1434	-0.0361
3158	6	20	0	-0.0097	-0.0001	-0.1055	-0.0028	0.1327	-0.0094
3174	6	20	5	-0.0078	0.0009	-0.1055	0.0009	0.1018	-0.0029
3178	6	20	10	-0.0064	0.0023	-0.1056	0.0017	0.0862	-0.0014
3182	6	20	15	-0.0068	0.0082	-0.1078	0.0046	0.0731	0.0058

* Indicates model was close to heave stop

TABLE 8.224.1 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2933	0	-10	-10	-0.0417	-0.0805	-0.0693	-0.0309	0.3293	-0.3499
2929	0	-10	-5	-0.0326	-0.0302	-0.0604	-0.0095	0.2715	-0.1415
2915	0	-10	0	-0.0291	-0.0010	-0.0555	0.0030	0.2254	-0.0237
2919	0	-10	5	-0.0401	0.0507	-0.0461	0.0233	0.2251	0.0775
2829	0	0	-10	-0.0463	-0.1002	-0.0544	-0.0348	0.2041	-0.4318
2824	0	0	-5	-0.0327	-0.0377	-0.0546	-0.0114	0.2123	-0.1792
2801	0	0	0	-0.0290	-0.0090	-0.0545	0.0012	0.2177	-0.0648
2805	0	0	5	-0.0340	0.0250	-0.0545	0.0157	0.2412	0.0302
2820 *	0	0	10	-0.0465	0.1060	-0.0545	0.0476	0.2954	0.2147
2858	0	10	-10	-0.0422	-0.1307	-0.0323	-0.0443	0.0760	-0.5446
2854	0	10	-5	-0.0363	-0.0504	-0.0463	-0.0173	0.1336	-0.2230
2838	0	10	0	-0.0290	-0.0165	-0.0524	-0.0036	0.1782	-0.0967
2842	0	10	5	-0.0310	0.0107	-0.0572	0.0113	0.2205	-0.0111
2846	0	10	10	-0.0292	0.0332	-0.0612	0.0251	0.2371	0.0594
2893	0	20	-10	-0.0478	-0.1068	-0.0191	-0.0388	0.1630	-0.4597
2888	0	20	-5	-0.0341	-0.0634	-0.0352	-0.0233	0.0920	-0.2576
2867	0	20	0	-0.0300	-0.0236	-0.0497	-0.0097	0.1397	-0.1104
2871	0	20	5	-0.0258	-0.0011	-0.0575	0.0031	0.1827	-0.0460
2875	0	20	10	-0.0199	0.0109	-0.0620	0.0053	0.1787	-0.0062
2879	0	20	15	-0.0173	0.0219	-0.0661	0.0068	0.1700	0.0229
2884	0	20	15	-0.0171	0.0213	-0.0658	0.0064	0.1706	0.0220
3075	3	-10	-15	-0.0105	-0.0252	-0.0608	-0.0129	0.1157	-0.0537
3071	3	-10	-10	-0.0109	-0.0117	-0.0581	-0.0029	0.1284	-0.0301
3067	3	-10	-5	-0.0118	0.0022	-0.0556	0.0069	0.1410	0.0004
3050	3	-10	0	-0.0144	0.0208	-0.0526	0.0174	0.1464	0.0331
3055	3	-10	5	-0.0196	0.0584	-0.0462	0.0355	0.1595	0.0948
3059	3	-10	10	-0.0289	0.1342	-0.0334	0.0669	0.2019	0.2441
2970	3	0	-15	-0.0292	-0.1026	-0.0561	-0.0544	0.2098	-0.3067
2965	3	0	-10	-0.0175	-0.0284	-0.0557	-0.0168	0.1473	-0.0942
2961	3	0	-5	-0.0131	-0.0065	-0.0554	-0.0018	0.1274	-0.0289
2945	3	0	0	-0.0133	0.0085	-0.0558	0.0074	0.1262	0.0040
2949	3	0	5	-0.0139	0.0290	-0.0556	0.0208	0.1351	0.0405
2952	3	0	10	-0.0173	0.0604	-0.0553	0.0399	0.1576	0.0921
2957	3	0	15	-0.0303	0.1515	-0.0565	0.0806	0.2583	0.2668

* Indicates model was close to heave stop

TABLE 8.224.2 - NON-DIMENSIONAL STABILITY DATA IN BODY AXES AT TRANSOM

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	X'	Y'	Z'	K'	M'	N'
2988	3	10	-15	-0.0147	-0.0629	-0.0450	-0.0358	0.1358	-0.1404
2983	3	10	-10	-0.0228	-0.0448	-0.0487	-0.0245	0.1338	-0.1355
2979	3	10	-5	-0.0152	-0.0113	-0.0547	-0.0083	0.1222	-0.0447
2975	3	10	0	-0.0121	0.0019	-0.0571	0.0016	0.1081	-0.0095
2992	3	10	5	-0.0090	0.0138	-0.0583	0.0113	0.0823	0.0140
2996	3	10	10	-0.0083	0.0265	-0.0606	0.0209	0.0670	0.0313
3000	3	10	15	-0.0070	0.0364	-0.0624	0.0268	0.0490	0.0411
3045	3	20	-15	-0.0188	-0.0841	-0.0285	-0.0339	0.1221	-0.2053
3040	3	20	-10	-0.0190	-0.0541	-0.0390	-0.0258	0.1414	-0.1531
3041	3	20	-10	-0.0193	-0.0544	-0.0396	-0.0262	0.1429	-0.1530
3036	3	20	-5	-0.0184	-0.0150	-0.0534	-0.0100	0.1193	-0.0511
3006	3	20	0	-0.0129	-0.0004	-0.0588	-0.0022	0.1078	-0.0109
3010	3	20	5	-0.0084	0.0042	-0.0602	0.0012	0.0822	0.0000
3027	3	20	10	-0.0061	0.0084	-0.0624	0.0030	0.0666	0.0066
3028	3	20	10	-0.0056	0.0076	-0.0612	0.0025	0.0648	0.0058
3032	3	20	15	-0.0043	0.0114	-0.0625	0.0039	0.0504	0.0110
3201	6	-10	-15	-0.0027	-0.0056	-0.0571	0.0001	0.0230	-0.0025
3197	6	-10	-10	-0.0042	0.0007	-0.0561	0.0044	0.0315	0.0021
3193	6	-10	-5	-0.0036	0.0081	-0.0549	0.0100	0.0459	0.0101
3189	6	-10	0	-0.0065	0.0198	-0.0531	0.0180	0.0671	0.0227
3205	6	-10	5	-0.0090	0.0433	-0.0491	0.0314	0.0790	0.0458
3209	6	-10	10	-0.0103	0.0800	-0.0427	0.0492	0.0977	0.0859
3109	6	0	-15	-0.0042	-0.0150	-0.0555	-0.0098	0.0382	-0.0127
3105	6	0	-10	-0.0032	-0.0062	-0.0555	-0.0028	0.0329	-0.0037
3100	6	0	-5	-0.0034	0.0029	-0.0554	0.0048	0.0312	0.0043
3083	6	0	0	-0.0033	0.0119	-0.0555	0.0120	0.0325	0.0123
3087	6	0	5	-0.0037	0.0201	-0.0555	0.0188	0.0349	0.0194
3092	6	0	10	-0.0047	0.0313	-0.0556	0.0279	0.0423	0.0292
3096	6	0	15	-0.0008	0.0246	-0.0552	0.0213	0.0067	0.0149
3153	6	10	-15	-0.0097	-0.0353	-0.0507	-0.0224	0.0787	-0.0450
3149	6	10	-10	-0.0059	-0.0122	-0.0546	-0.0092	0.0617	-0.0149
3145	6	10	-5	-0.0045	-0.0032	-0.0562	-0.0014	0.0400	-0.0011
3128	6	10	0	-0.0030	0.0044	-0.0572	0.0040	0.0283	0.0072
3132	6	10	5	-0.0028	0.0108	-0.0583	0.0080	0.0215	0.0106
3137	6	10	10	-0.0018	0.0156	-0.0590	0.0113	0.0218	0.0130
3141	6	10	15	-0.0023	0.0218	-0.0602	0.0152	0.0117	0.0169
3171	6	20	-15	-0.0133	-0.0819	-0.0305	-0.0395	0.0709	-0.1328
3167	6	20	-10	-0.0097	-0.0275	-0.0498	-0.0170	0.0752	-0.0376
3163	6	20	-5	-0.0075	-0.0053	-0.0578	-0.0058	0.0666	-0.0089
3159	6	20	0	-0.0050	0.0027	-0.0603	-0.0011	0.0495	0.0033
3175	6	20	5	-0.0026	-0.0027	-0.0580	-0.0032	0.0288	0.0027
3179	6	20	10	-0.0025	0.0001	-0.0590	-0.0020	0.0190	0.0068
3183	6	20	15	-0.0026	0.0025	-0.0597	-0.0007	0.0141	0.0090

* Indicates model was close to heave stop

TABLE 9.101 - RUDDER DATA IN WIND AXES WITHOUT AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2243	-20	7.37	1.47	-0.03	11.49	-1.84	-5.61	1.019	3.05	2.27
2224	-15	7.37	1.53	-0.42	11.49	-0.97	-4.89	1.462	2.97	2.35
2237	-10	7.36	1.30	-0.35	11.49	-0.66	-4.88	1.033	2.96	2.36
2240	-5	7.38	1.20	-0.17	11.49	-0.32	-4.91	0.529	2.95	2.37
2218	0	7.36	1.12	0.13	11.49	0.01	-5.10	-0.155	2.95	2.37
2221	15	7.38	1.57	0.34	11.49	1.14	-4.94	-1.284	2.97	2.35

TABLE 9.103 - RUDDER DATA IN WIND AXES WITHOUT AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2244	-20	14.74	2.77	-0.28	11.49	-2.10	-8.43	2.512	3.88	1.44
2225	-15	14.74	3.51	-1.96	11.49	0.49	-2.92	5.177	3.49	1.83
2238	-10	14.73	2.48	-1.62	11.49	0.49	-2.36	3.728	3.47	1.85
2241	-5	14.73	2.13	-0.79	11.49	0.21	-2.07	1.759	3.45	1.87
2219	0	14.75	2.13	0.32	11.49	-0.10	-2.25	-0.547	3.44	1.88
2222	15	14.74	2.65	0.59	11.49	1.41	-7.86	-2.283	3.83	1.49

TABLE 9.104 - RUDDER DATA IN WIND AXES WITHOUT AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2245	-20	19.64	3.23	-0.84	11.49	-4.18	-16.00	4.161	4.65	0.67
2246	-20	19.62	3.28	-0.87	11.49	-4.15	-15.94	4.234	4.64	0.68
2226	-15	19.67	2.98	-1.20	11.49	-2.20	-13.57	4.097	4.44	0.88
2236	-15	19.66	2.90	-1.19	11.49	-2.17	-13.78	4.080	4.45	0.87
2239	-10	19.63	3.52	-2.89	11.49	0.74	-4.23	6.462	3.86	1.46
2242	-5	19.66	2.80	-1.40	11.49	0.37	-3.68	3.108	3.91	1.41
2220	0	19.64	2.60	0.58	11.49	-0.22	-4.00	-0.938	3.88	1.44
2223	15	19.67	3.19	1.51	11.49	2.69	-15.36	-3.935	4.58	0.74
2248	-20	19.65	5.30	-0.37	21.49	-1.90	-10.07	4.604	3.56	1.76
2249	-15	19.67	7.26	-3.28	21.49	3.28	3.90	9.387	2.95	2.37

TABLE 9.201 - RUDDER DATA IN WIND AXES WITHOUT AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2177	-20	7.36	1.31	0.17	11.49	-2.26	-6.62	0.576	2.72	2.60
2197	-15	7.37	1.60	-0.38	11.49	-1.08	-5.40	1.434	2.52	2.80
2200	-10	7.37	1.41	-0.40	11.49	-0.63	-5.45	1.217	2.52	2.80
2203	-5	7.38	1.25	-0.23	11.49	-0.30	-5.47	0.641	2.53	2.79
2173	0	7.37	1.20	0.04	11.49	-0.00	-5.43	-0.001	2.61	2.71
2182	20	7.37	1.30	-0.18	11.49	2.30	-6.61	-0.465	2.72	2.60

TABLE 9.203 - RUDDER DATA IN WIND AXES WITHOUT AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2178	-20	14.73	2.24	0.32	11.49	-4.55	-13.56	1.198	3.99	1.33
2198	-15	14.72	3.83	-1.67	11.49	0.24	-3.96	5.063	3.07	2.25
2201	-10	14.77	3.05	-1.77	11.49	0.43	-3.66	4.410	3.06	2.26
2204	-5	14.77	2.52	-0.92	11.49	0.28	-3.52	2.309	3.06	2.26
2174	0	14.73	2.31	0.15	11.49	-0.01	-3.55	-0.074	3.15	2.17
2183	20	14.73	2.31	-0.17	11.49	4.61	-13.37	-0.959	3.96	1.36

TABLE 9.204 - RUDDER DATA IN WIND AXES WITHOUT AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2179	-20	19.64	2.38	0.14	11.49	-5.68	-17.39	1.722	4.64	0.68
2199	-15	19.63	5.84	-3.21	11.49	0.51	-6.12	8.819	3.52	1.80
2209	-15	19.64	5.71	-3.22	11.49	0.56	-5.71	8.823	3.48	1.84
2202	-10	19.67	4.46	-3.24	11.49	0.75	-5.30	7.523	3.42	1.90
2206	-5	19.66	3.49	-1.64	11.49	0.55	-5.20	3.903	3.48	1.84
2175	0	19.61	3.28	0.36	11.49	-0.07	-5.00	-0.328	3.53	1.79
2207	15	19.68	4.66	1.55	11.49	1.43	-10.31	-4.589	3.76	1.56
2208	15	19.67	5.86	3.34	11.49	0.46	-5.85	-8.057	3.50	1.82
2184	20	19.62	2.47	0.14	11.49	5.74	-17.25	-1.537	4.64	0.68
2185	20	19.72	2.48	0.15	11.49	5.89	-17.33	-1.544	4.65	0.67
2195	20	19.63	2.46	0.14	11.49	5.82	-17.53	-1.545	4.62	0.70

TABLE 10.101 - RUDDER DATA IN BODY AXES AT PIVOT

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2243	-20	-0.87	-0.03	-11.55	-1.89	-5.61	0.921
2224	-15	-0.93	-0.42	-11.55	-1.05	-4.89	1.409
2237	-10	-0.70	-0.35	-11.54	-0.72	-4.88	0.997
2240	-5	-0.60	-0.17	-11.54	-0.35	-4.91	0.511
2218	0	-0.52	0.13	-11.53	0.02	-5.10	-0.155
2221	15	-0.97	0.34	-11.56	1.20	-4.94	-1.223

TABLE 10.103 - RUDDER DATA IN BODY AXES AT PIVOT

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2244	-20	-2.16	-0.28	-11.62	-2.23	-8.43	2.398
2225	-15	-2.90	-1.96	-11.66	0.22	-2.92	5.195
2238	-10	-1.87	-1.62	-11.60	0.29	-2.36	3.748
2241	-5	-1.52	-0.79	-11.59	0.12	-2.07	1.768
2219	0	-1.52	0.32	-11.59	-0.07	-2.25	-0.552
2222	15	-2.04	0.59	-11.61	1.53	-7.86	-2.206

TABLE 10.104 - RUDDER DATA IN BODY AXES AT PIVOT

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2245	-20	-2.62	-0.84	-11.64	-4.39	-16.00	3.936
2246	-20	-2.67	-0.87	-11.65	-4.37	-15.94	4.011
2226	-15	-2.37	-1.20	-11.63	-2.41	-13.57	3.976
2236	-15	-2.29	-1.19	-11.63	-2.38	-13.78	3.961
2239	-10	-2.91	-2.89	-11.66	0.40	-4.23	6.492
2242	-5	-2.19	-1.40	-11.62	0.21	-3.68	3.124
2220	0	-2.00	0.58	-11.61	-0.17	-4.00	-0.949
2223	15	-2.58	1.51	-11.64	2.89	-15.36	-3.789
2248	-20	-4.17	-0.37	-21.74	-2.14	-10.07	4.498
2249	-15	-6.12	-3.28	-21.84	2.78	3.90	9.546

TABLE 10.201 - RUDDER DATA IN BODY AXES AT PIVOT

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2177	-20	-0.71	0.17	-11.54	-2.29	-6.62	0.457
2197	-15	-1.00	-0.38	-11.56	-1.16	-5.40	1.375
2200	-10	-0.81	-0.40	-11.55	-0.70	-5.45	1.183
2203	-5	-0.65	-0.23	-11.54	-0.34	-5.47	0.625
2173	0	-0.60	0.04	-11.54	-0.00	-5.43	-0.001

TABLE 10.203 - RUDDER DATA IN BODY AXES AT PIVOT

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2182	20	-0.70	-0.18	-11.54	2.32	-6.61	-0.344
2178	-20	-1.63	0.32	-11.59	-4.61	-13.56	0.958
2198	-15	-3.22	-1.67	-11.67	-0.03	-3.96	5.069
2201	-10	-2.44	-1.77	-11.63	0.20	-3.66	4.427
2204	-5	-1.91	-0.92	-11.61	0.16	-3.52	2.321
2174	0	-1.70	0.15	-11.60	-0.01	-3.55	-0.075
2183	20	-1.70	-0.17	-11.60	4.65	-13.37	-0.717

TABLE 10.204 - RUDDER DATA IN BODY AXES AT PIVOT

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2179	-20	-1.78	0.14	-11.60	-5.76	-17.39	1.422
2199	-15	-5.23	-3.21	-11.78	0.05	-6.12	8.834
2209	-15	-5.10	-3.22	-11.77	0.10	-5.71	8.840
2202	-10	-3.85	-3.24	-11.71	0.35	-5.30	7.552
2206	-5	-2.88	-1.64	-11.66	0.34	-5.20	3.927
2175	0	-2.67	0.36	-11.65	-0.05	-5.00	-0.331
2207	15	-4.05	1.55	-11.72	1.67	-10.31	-4.508
2208	15	-5.25	3.34	-11.78	0.88	-5.85	-8.022
2184	20	-1.87	0.14	-11.60	5.81	-17.25	-1.234
2185	20	-1.87	0.15	-11.60	5.96	-17.33	-1.234
2195	20	-1.86	0.14	-11.60	5.89	-17.53	-1.238

TABLE 11.101 - RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2243	-20	-0.87	-0.03	-11.55	-1.90	16.35	0.865
2224	-15	-0.93	-0.42	-11.55	-1.19	17.10	0.622
2237	-10	-0.70	-0.35	-11.54	-0.84	17.00	0.341
2240	-5	-0.60	-0.17	-11.54	-0.41	16.93	0.193
2218	0	-0.52	0.13	-11.53	0.06	16.70	0.089
2221	15	-0.97	0.34	-11.56	1.32	17.06	-0.586

TABLE 11.103 - RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2244	-20	-2.16	-0.28	-11.62	-2.33	14.10	1.873
2225	-15	-2.90	-1.96	-11.66	-0.46	19.94	1.520
2238	-10	-1.87	-1.62	-11.60	-0.27	20.05	0.711
2241	-5	-1.52	-0.79	-11.59	-0.16	20.18	0.286
2219	0	-1.52	0.32	-11.59	0.04	20.00	0.048
2222	15	-2.04	0.59	-11.61	1.73	14.62	-1.100

TABLE 11.104 - RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2245	-20	-2.62	-0.84	-11.64	-4.68	6.74	2.361
2246	-20	-2.67	-0.87	-11.65	-4.67	6.82	2.380
2226	-15	-2.37	-1.20	-11.63	-2.83	9.06	1.726
2236	-15	-2.29	-1.19	-11.63	-2.79	8.81	1.730
2239	-10	-2.91	-2.89	-11.66	-0.60	18.64	1.074
2242	-5	-2.19	-1.40	-11.62	-0.28	18.87	0.499
2220	0	-2.00	0.58	-11.61	0.03	18.46	0.139
2223	15	-2.58	1.51	-11.64	3.41	7.36	-0.957
2248	-20	-4.17	-0.37	-21.74	-2.27	32.13	3.805
2249	-15	-6.12	-3.28	-21.84	1.65	46.97	3.396

TABLE 11.201 - RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2177	-20	-0.71	0.17	-11.54	-2.23	15.27	0.776
2197	-15	-1.00	-0.38	-11.56	-1.29	16.62	0.663
2200	-10	-0.81	-0.40	-11.55	-0.83	16.48	0.433
2203	-5	-0.65	-0.23	-11.54	-0.42	16.39	0.194
2173	0	-0.60	0.04	-11.54	0.01	16.41	0.074
2182	20	-0.70	-0.18	-11.54	2.26	15.27	-0.682

TABLE 11.203 - RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2178	-20	-1.63	0.32	-11.59	-4.50	8.74	1.558
2198	-15	-3.22	-1.67	-11.67	-0.60	19.04	1.938
2201	-10	-2.44	-1.77	-11.63	-0.41	19.00	1.108
2204	-5	-1.91	-0.92	-11.61	-0.16	18.90	0.596
2174	0	-1.70	0.15	-11.60	0.05	18.78	0.207
2183	20	-1.70	-0.17	-11.60	4.60	8.96	-1.035

TABLE 11.204 - RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft
2179	-20	-1.78	0.14	-11.60	-5.71	4.97	1.685
2199	-15	-5.23	-3.21	-11.78	-1.06	17.78	2.815
2209	-15	-5.10	-3.22	-11.77	-1.02	18.13	2.802
2202	-10	-3.85	-3.24	-11.71	-0.77	17.98	1.477
2206	-5	-2.88	-1.64	-11.66	-0.22	17.65	0.852
2175	0	-2.67	0.36	-11.65	0.07	17.76	0.344
2207	15	-4.05	1.55	-11.72	2.20	13.06	-1.602
2208	15	-5.25	3.34	-11.78	2.04	18.05	-1.760
2184	20	-1.87	0.14	-11.60	5.86	5.15	-0.972
2185	20	-1.87	0.15	-11.60	6.01	5.08	-0.952
2195	20	-1.86	0.14	-11.60	5.94	4.87	-0.976

TABLE 12.101 - NON-DIMENSIONAL RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	X'	Y'	Z'	K'	M'	N'
2243	-20	-0.0294	-0.0010	-0.3906	-0.0858	0.7371	0.0390
2224	-15	-0.0314	-0.0142	-0.3907	-0.0538	0.7708	0.0280
2237	-10	-0.0237	-0.0119	-0.3913	-0.0378	0.7687	0.0154
2240	-5	-0.0202	-0.0057	-0.3891	-0.0184	0.7612	0.0087
2218	0	-0.0176	0.0044	-0.3910	0.0027	0.7551	0.0040
2221	15	-0.0327	0.0115	-0.3897	0.0594	0.7672	-0.0263

TABLE 12.103 - NON-DIMENSIONAL RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	X'	Y'	Z'	K'	M'	N'
2244	-20	-0.0183	-0.0024	-0.0982	-0.0262	0.1590	0.0211
2225	-15	-0.0245	-0.0166	-0.0985	-0.0052	0.2248	0.0171
2238	-10	-0.0159	-0.0137	-0.0982	-0.0030	0.2262	0.0080
2241	-5	-0.0129	-0.0067	-0.0981	-0.0018	0.2278	0.0032
2219	0	-0.0129	0.0027	-0.0978	0.0004	0.2251	0.0005
2222	15	-0.0173	0.0050	-0.0982	0.0195	0.1648	-0.0124

TABLE 12.104 - NON-DIMENSIONAL RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	X'	Y'	Z'	K'	M'	N'
2245	-20	-0.0125	-0.0040	-0.0554	-0.0297	0.0428	0.0150
2246	-20	-0.0128	-0.0042	-0.0556	-0.0297	0.0434	0.0151
2226	-15	-0.0113	-0.0057	-0.0552	-0.0179	0.0573	0.0109
2236	-15	-0.0109	-0.0057	-0.0552	-0.0177	0.0558	0.0110
2239	-10	-0.0139	-0.0138	-0.0556	-0.0038	0.1184	0.0068
2242	-5	-0.0104	-0.0067	-0.0552	-0.0018	0.1195	0.0032
2220	0	-0.0095	0.0028	-0.0553	0.0002	0.1172	0.0009
2223	15	-0.0123	0.0072	-0.0553	0.0216	0.0466	-0.0061
2248	-20	-0.0198	-0.0018	-0.1034	-0.0144	0.2038	0.0241
2249	-15	-0.0291	-0.0156	-0.1037	0.0104	0.2973	0.0215

TABLE 12.201 - NON-DIMENSIONAL RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	X'	Y'	Z'	K'	M'	N'
2177	-20	-0.0240	0.0058	-0.3914	-0.1008	0.6902	0.0351
2197	-15	-0.0338	-0.0128	-0.3908	-0.0580	0.7492	0.0299
2200	-10	-0.0273	-0.0135	-0.3905	-0.0376	0.7431	0.0195
2203	-5	-0.0219	-0.0078	-0.3891	-0.0187	0.7370	0.0087
2173	0	-0.0203	0.0014	-0.3901	0.0005	0.7398	0.0033
2182	20	-0.0236	-0.0061	-0.3903	0.1017	0.6886	-0.0307

TABLE 12.203 - NON-DIMENSIONAL RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	X'	Y'	Z'	K'	M'	N'
2178	-20	-0.0138	0.0027	-0.0981	-0.0507	0.0986	0.0176
2198	-15	-0.0273	-0.0142	-0.0990	-0.0068	0.2152	0.0219
2201	-10	-0.0206	-0.0149	-0.0979	-0.0046	0.2133	0.0124
2204	-5	-0.0161	-0.0077	-0.0977	-0.0018	0.2122	0.0067
2174	0	-0.0144	0.0013	-0.0982	0.0005	0.2120	0.0023
2183	20	-0.0144	-0.0014	-0.0982	0.0519	0.1011	-0.0117

TABLE 12.204 - NON-DIMENSIONAL RUDDER DATA IN BODY AXES AT TRANSOM

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	X'	Y'	Z'	K'	M'	N'
2179	-20	-0.0085	0.0007	-0.0552	-0.0363	0.0316	0.0107
2199	-15	-0.0249	-0.0153	-0.0561	-0.0067	0.1130	0.0179
2209	-15	-0.0243	-0.0153	-0.0561	-0.0065	0.1151	0.0178
2202	-10	-0.0183	-0.0154	-0.0556	-0.0048	0.1138	0.0094
2206	-5	-0.0137	-0.0078	-0.0554	-0.0014	0.1118	0.0054
2175	0	-0.0128	0.0017	-0.0556	0.0005	0.1131	0.0022
2207	15	-0.0192	0.0074	-0.0556	0.0139	0.0826	-0.0101
2208	15	-0.0249	0.0159	-0.0559	0.0129	0.1143	-0.0111
2184	20	-0.0089	0.0007	-0.0554	0.0373	0.0328	-0.0062
2185	20	-0.0088	0.0007	-0.0548	0.0379	0.0320	-0.0060
2195	20	-0.0088	0.0007	-0.0553	0.0378	0.0309	-0.0062

APPENDIX A

TABLE A1.100.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2112	-2	-10	0	0	0.04	-0.02	11.49	0.58	1.03	0.00	2.60	0.70
2116	-2	-10	5	0	0.04	-0.04	11.49	0.50	1.08	0.02	2.57	0.73
2120	-2	-10	10	0	0.02	-0.04	11.49	0.41	1.09	-0.01	2.57	0.73
2122	-2	-10	15	0	0.02	-0.10	11.49	0.26	1.16	-0.01	2.57	0.73
2059	-2	0	0	0	0.04	-0.07	11.49	0.02	1.44	0.01	2.63	0.73
2065	-2	0	5	0	0.04	-0.08	11.49	-0.13	1.39	0.02	2.59	0.77
2069	-2	0	10	0	0.03	-0.07	11.49	-0.21	1.32	-0.01	2.59	0.77
2070	-2	0	15	0	0.02	-0.09	11.49	-0.36	1.30	0.00	2.61	0.75
2074	-2	10	0	0	0.04	-0.05	11.49	-0.54	0.85	0.03	2.62	0.68
2078	-2	10	5	0	0.04	-0.03	11.49	-0.59	0.83	0.01	2.61	0.69
2081	-2	10	10	0	-0.00	-0.08	11.49	-0.74	0.73	0.00	2.60	0.70
2083	-2	10	15	0	-0.00	-0.08	11.49	-0.80	0.68	-0.02	2.60	0.70
2090	-2	20	0	0	0.00	-0.01	11.49	-0.70	0.26	0.03	2.64	0.47
2094	-2	20	5	0	0.02	-0.09	11.49	-0.82	0.28	0.01	2.61	0.50
2098	-2	20	10	0	0.03	-0.10	11.49	-0.79	0.18	0.01	2.57	0.54
2108	-2	20	12	0	0.02	-0.08	11.49	-0.79	0.16	0.01	2.61	0.50
2101	-2	20	15	0	0.01	-0.08	11.49	-0.81	0.08	0.00	2.59	0.52
1829	0	-10	0	0	0.00	-0.02	11.49	0.58	-3.40	0.02	2.65	1.34
1833	0	-10	5	0	-0.01	-0.01	11.49	0.88	-3.36	0.02	2.65	1.34
1837	0	-10	10	0	-0.00	-0.01	11.49	1.14	-3.20	0.01	2.64	1.35
1843	0	-10	15	0	-0.00	-0.01	11.49	1.44	-3.16	0.01	2.66	1.33
1760	0	0	0	0	-0.01	0.00	11.49	-0.03	-3.71	0.01	2.61	1.36
1764	0	0	5	0	-0.02	-0.02	11.49	0.27	-3.71	0.01	2.60	1.37
1768	0	0	10	0	-0.01	-0.02	11.49	0.60	-3.64	0.01	2.61	1.36
1773	0	0	15	0	0.00	0.01	11.49	0.95	-3.57	0.01	2.59	1.38
1779	0	10	0	0	-0.01	0.01	11.49	-0.61	-3.79	0.05	2.56	1.35
1783	0	10	5	0	0.02	-0.02	11.49	-0.32	-3.77	0.01	2.57	1.34
1787	0	10	10	0	-0.00	-0.02	11.49	-0.02	-3.76	0.01	2.58	1.33
1792	0	10	15	0	-0.00	-0.01	11.49	0.32	-3.79	0.00	2.58	1.33
1809	0	21	0	0	-0.11	0.04	11.49	-0.77	-3.75	0.08	2.68	1.09
1814	0	21	5	0	0.00	0.01	11.49	-0.47	-3.71	0.02	2.69	1.08
1819	0	21	10	0	0.02	-0.00	11.49	-0.15	-3.69	0.00	2.70	1.07
1823	0	21	15	0	0.01	-0.04	11.49	0.09	-3.62	-0.02	2.72	1.05
1918	3	-11	0	0	-0.09	0.04	11.49	0.45	-8.88	0.03	2.79	2.23
1922	3	-11	5	0	-0.02	0.08	11.49	1.25	-8.78	0.04	2.81	2.21
1926	3	-11	10	0	-0.01	0.09	11.49	2.02	-8.70	0.03	2.80	2.22
1930	3	-11	15	0	-0.03	0.07	11.49	2.76	-8.54	0.04	2.81	2.21
1850	3	0	0	0	-0.01	0.04	11.49	-0.03	-9.53	0.05	2.81	2.40
1854	3	0	0	0	-0.01	0.03	11.49	-0.03	-9.49	0.04	2.90	2.31
1856	3	0	5	0	-0.01	0.01	11.49	0.76	-9.43	0.04	2.90	2.31
1860	3	0	10	0	-0.01	0.03	11.49	1.58	-9.30	0.03	2.91	2.30
1864	3	0	15	0	-0.02	0.01	11.49	2.36	-9.10	0.04	2.90	2.31

* Indicates model was close to heave stop

TABLE A1.100.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1880	3	10	0	0	-0.02	0.07	11.49	-0.45	-9.09	0.06	2.79	2.23
1884	3	10	5	0	-0.03	-0.04	11.49	0.21	-9.09	0.06	2.80	2.22
1888	3	10	10	0	-0.02	0.06	11.49	1.13	-9.10	0.05	2.80	2.22
1894	3	10	15	0	-0.02	0.01	11.49	1.83	-8.83	0.02	2.84	2.18
1900	3	21	0	0	-0.02	0.02	11.49	-0.76	-8.55	0.05	2.82	2.01
1904	3	21	5	0	-0.02	0.02	11.49	-0.00	-8.60	0.01	2.83	2.00
1908	3	21	10	0	-0.02	0.01	11.49	0.74	-8.54	0.02	2.83	2.00
1912	3	21	15	0	0.01	0.07	11.49	1.55	-8.48	0.03	2.84	1.99
2022	6	-10	0	0	-0.02	0.06	11.49	0.29	-12.00	0.08	3.22	3.08
2026	6	-10	5	0	0.00	0.02	11.49	1.30	-11.96	0.04	3.21	3.09
2030	6	-10	10	0	-0.00	-0.01	11.49	2.31	-11.86	0.03	3.21	3.09
2034	6	-10	15	0	-0.02	-0.00	11.49	3.33	-11.53	0.03	3.22	3.08
1963	6	0	0	0	0.01	0.03	11.49	-0.04	-12.18	0.08	3.18	3.05
1967	6	0	5	0	0.00	0.01	11.49	1.01	-12.24	0.07	3.18	3.05
1972	6	0	10	0	-0.01	-0.01	11.49	2.05	-12.03	0.05	3.20	3.03
1976	6	0	15	0	-0.01	-0.02	11.49	3.08	-11.80	0.03	3.23	3.00
1982	6	10	0	0	0.01	0.00	11.49	-0.36	-11.97	0.06	3.25	2.91
1986	6	10	5	0	0.00	0.00	11.49	0.68	-12.18	0.04	3.23	2.93
1990	6	10	10	0	-0.01	-0.02	11.49	1.71	-12.01	0.05	3.24	2.92
1993	6	10	10	0	-0.01	-0.01	11.49	1.70	-11.97	0.00	3.15	3.01
1995	6	10	15	0	-0.01	-0.01	11.49	2.74	-11.82	0.03	3.15	3.01
2002	6	20	0	0	-0.03	0.04	11.49	-0.55	-11.68	0.06	3.20	2.82
2007	6	20	5	0	0.02	0.03	11.49	0.45	-11.64	0.05	3.19	2.83
2011	6	20	10	0	0.02	0.03	11.49	1.47	-11.61	0.06	3.19	2.83
2015	6	20	15	0	0.02	0.03	11.49	2.48	-11.46	0.05	3.19	2.83

* Indicates model was close to heave stop

TABLE A1.101.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2113	-2	-10	0	7.38	1.69	0.13	11.49	0.33	4.40	0.30	2.21	1.09
2117	-2	-10	5	7.36	1.99	1.15	11.49	-0.26	4.60	2.02	2.03	1.27
2121	-2	-10	10	7.37	3.08	3.22	11.49	-1.15	5.39	4.90	1.66	1.64
2123 *	-2	-10	15	7.37	4.49	5.77	11.49	-2.59	6.13	7.96	1.50	1.80
2060	-2	0	0	7.36	1.74	-0.02	11.49	0.20	4.91	0.04	2.18	1.18
2063	-2	0	0	7.36	1.74	-0.03	11.49	0.23	4.91	0.06	2.17	1.19
2066	-2	0	5	7.37	1.96	0.81	11.49	-0.55	5.12	1.47	2.04	1.32
2068	-2	0	10	7.36	2.61	2.21	11.49	-1.17	5.30	3.66	1.85	1.51
2071 *	-2	0	15	7.36	4.07	4.51	11.49	-2.23	5.56	7.09	1.50	1.86
2075	-2	10	0	7.37	1.65	-0.20	11.49	-0.16	4.26	-0.31	2.24	1.06
2079	-2	10	5	7.36	1.72	0.51	11.49	-0.77	4.69	1.01	2.21	1.09
2082	-2	10	10	7.37	2.16	1.60	11.49	-1.65	4.98	2.65	2.05	1.25
2084	-2	10	15	7.37	3.39	3.58	11.49	-2.54	5.21	5.50	1.75	1.55
2091	-2	20	0	7.37	1.53	-0.18	11.49	-0.28	3.47	-0.26	2.33	0.78
2095	-2	20	5	7.39	1.70	0.49	11.49	-0.84	4.40	1.11	2.30	0.81
2099	-2	20	10	7.36	2.15	1.61	11.49	-1.43	5.10	2.53	2.20	0.91
2102	-2	20	15	7.39	2.84	3.53	11.49	-2.13	5.89	4.45	2.03	1.08
1830	0	-10	0	7.37	1.29	-0.09	11.49	0.53	0.74	-0.12	2.40	1.59
1834	0	-10	5	7.38	1.50	0.60	11.49	0.34	0.56	0.66	2.31	1.68
1840	0	-10	10	7.36	2.14	1.98	11.49	-0.22	1.04	2.01	2.06	1.93
1844	0	-10	15	7.37	3.50	4.58	11.49	-1.59	1.87	4.10	1.73	2.26
1761	0	0	0	7.37	1.29	-0.02	11.49	0.09	0.92	-0.02	2.38	1.59
1765	0	0	5	7.37	1.38	0.33	11.49	-0.05	0.97	0.49	2.34	1.63
1769	0	0	10	7.39	1.74	0.99	11.49	-0.38	1.16	1.28	2.21	1.76
1774	0	0	15	7.37	2.77	2.68	11.49	-1.01	1.77	2.95	1.88	2.09
1780	0	10	0	7.37	1.34	0.04	11.49	-0.40	0.65	0.11	2.35	1.56
1784	0	10	5	7.37	1.42	0.48	11.49	-0.56	1.09	0.60	2.35	1.56
1788	0	10	10	7.37	1.67	1.09	11.49	-0.74	1.49	1.15	2.31	1.60
1789	0	10	10	7.37	1.67	1.06	11.49	-0.72	1.41	1.10	2.31	1.60
1793	0	10	15	7.37	2.31	2.06	11.49	-1.09	2.46	1.74	2.15	1.76
1810	0	21	0	7.37	1.14	-0.05	11.49	-0.65	-0.29	-0.02	2.47	1.30
1815	0	21	5	7.36	1.29	0.64	11.49	-0.80	0.34	0.66	2.47	1.30
1820	0	21	10	7.36	1.61	1.75	11.49	-0.93	1.00	1.23	2.45	1.32
1824	0	21	15	7.37	2.30	2.90	11.49	-1.41	2.51	1.65	2.40	1.37
1919	3	-11	0	7.37	1.19	-0.06	11.49	0.55	-4.78	-0.16	2.78	2.24
1923	3	-11	5	7.37	1.38	0.71	11.49	0.95	-4.84	-0.29	2.71	2.31
1927	3	-11	10	7.37	1.80	1.86	11.49	0.98	-4.44	-0.48	2.55	2.47
1931	3	-11	15	7.38	2.87	4.20	11.49	0.38	-3.53	-0.52	2.22	2.80
1851	3	0	0	7.37	1.12	0.04	11.49	0.08	-5.04	0.04	2.81	2.40
1855	3	0	0	7.37	1.19	0.04	11.49	0.04	-5.08	0.04	2.92	2.29
1857	3	0	5	7.37	1.29	0.56	11.49	0.47	-4.88	-0.23	2.89	2.32
1861	3	0	10	7.37	1.59	1.29	11.49	0.74	-4.21	-0.58	2.79	2.42
1865	3	0	15	7.37	2.15	2.36	11.49	0.64	-3.02	-0.94	2.59	2.62

* Indicates model was close to heave stop

TABLE A1.101.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1881	3	10	0	7.38	1.24	0.07	11.49	-0.47	-4.99	0.22	2.77	2.25
1885	3	10	5	7.37	1.27	0.73	11.49	-0.12	-4.70	-0.03	2.81	2.21
1889	3	10	10	7.37	1.52	1.57	11.49	0.37	-4.17	-0.48	2.79	2.23
1895	3	10	15	7.36	2.00	2.35	11.49	0.45	-2.68	-1.08	2.73	2.29
1901	3	21	0	7.37	1.32	0.06	11.49	-0.75	-5.05	0.35	2.78	2.05
1905	3	21	5	7.37	1.46	1.14	11.49	-0.47	-4.69	-0.03	2.81	2.02
1909	3	21	10	7.37	1.80	2.34	11.49	-0.20	-4.28	-0.61	2.83	2.00
1913	3	21	15	7.37	2.24	3.25	11.49	0.09	-3.03	-1.16	2.86	1.97
2023	6	-10	0	7.37	1.68	-0.23	11.49	0.45	-8.60	-0.02	3.37	2.93
2027	6	-10	5	7.37	1.77	0.68	11.49	1.22	-8.62	-0.96	3.30	3.00
2031	6	-10	10	7.37	2.11	1.88	11.49	1.84	-8.25	-2.04	3.18	3.12
2035	6	-10	15	7.37	2.87	3.80	11.49	2.19	-7.55	-3.63	2.98	3.32
1964	6	0	0	7.37	1.52	0.00	11.49	0.08	-8.57	0.09	3.39	2.84
1969	6	0	5	7.37	1.60	0.83	11.49	0.97	-8.41	-0.95	3.39	2.84
1973	6	0	10	7.37	1.91	1.70	11.49	1.90	-7.88	-1.99	3.30	2.93
1977	6	0	15	7.36	2.43	2.72	11.49	2.31	-7.16	-3.17	3.23	3.00
1983	6	10	0	7.37	1.67	0.33	11.49	0.13	-8.55	0.14	3.44	2.72
1987	6	10	5	7.36	1.74	1.26	11.49	0.90	-8.37	-0.86	3.45	2.71
1991	6	10	10	7.37	1.95	2.19	11.49	1.65	-7.55	-2.10	3.45	2.71
1996	6	10	15	7.37	2.32	2.74	11.49	1.96	-7.01	-2.84	3.37	2.79
2003	6	20	0	7.37	1.69	0.50	11.49	-0.14	-8.65	0.20	3.34	2.68
2008	6	20	5	7.37	1.92	1.76	11.49	0.69	-8.29	-0.91	3.41	2.61
2012	6	20	10	7.37	2.27	3.05	11.49	1.23	-7.61	-2.35	3.42	2.60
2016	6	20	15	7.37	2.68	3.46	11.49	1.70	-6.90	-2.91	3.50	2.52

* Indicates model was close to heave stop

TABLE A1.103.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2114		-2	-10	0	14.75	6.98	1.97	11.49	0.29	1.11	2.07	1.94	1.36
2118		-2	-10	5	14.74	8.80	8.36	11.49	-0.85	0.45	11.12	1.58	1.72
2064		-2	0	0	14.74	6.70	0.16	11.49	0.17	0.37	0.17	1.99	1.37
2067		-2	0	5	14.74	8.11	5.93	11.49	-0.41	0.23	8.03	1.58	1.78
2076		-2	10	0	14.73	6.49	-1.51	11.49	-0.14	1.23	-1.69	2.05	1.25
2080		-2	10	5	14.74	7.48	2.73	11.49	-1.30	2.54	4.79	1.82	1.48
2092		-2	20	0	14.76	5.76	-0.99	11.49	-0.19	2.42	-0.21	2.15	0.96
2096		-2	20	5	14.74	5.76	3.05	11.49	-0.78	5.07	5.57	2.31	0.80
2100		-2	20	10	14.74	7.62	7.97	11.49	-2.50	9.30	11.16	2.14	0.97
2103		-2	20	15	14.73	6.66	5.40	11.49	-3.60	18.06	8.67	2.86	0.25
1831		0	-10	0	14.75	3.88	-0.09	11.49	0.57	3.93	-1.72	2.60	1.39
1835		0	-10	5	14.73	5.46	3.45	11.49	-0.41	4.74	0.19	2.21	1.78
1841		0	-10	10	14.77	9.27	12.39	11.49	-2.90	6.17	4.85	1.72	2.27
1845		0	-10	15	14.73	13.31	22.14	11.49	-6.45	7.20	7.69	1.72	2.27
1762		0	0	0	14.74	3.70	0.01	11.49	0.19	4.76	-0.15	2.54	1.43
1766		0	0	5	14.75	4.92	2.18	11.49	-0.37	6.15	-0.74	2.40	1.57
1770	*	0	0	10	14.74	9.49	10.52	11.49	-2.62	8.95	1.96	1.52	2.45
1775	*	0	0	15	14.73	12.80	17.20	11.49	-5.79	11.78	4.34	1.51	2.46
1781		0	10	0	14.74	3.79	0.10	11.49	-0.27	4.03	1.18	2.52	1.39
1785		0	10	5	14.74	4.19	1.98	11.49	-0.63	7.68	1.44	2.47	1.44
1790		0	10	10	14.73	4.75	3.41	11.49	-1.47	10.50	1.74	2.61	1.30
1794		0	10	15	14.75	5.18	4.48	11.49	-1.93	11.04	1.83	2.82	1.09
1811		0	21	0	14.73	3.73	0.03	11.49	-0.43	0.97	0.82	2.68	1.09
1816		0	21	5	14.71	4.02	2.93	11.49	-1.00	5.32	1.96	2.69	1.08
1821		0	21	10	14.74	3.57	3.46	11.49	-1.43	7.17	1.80	3.06	0.71
1825		0	21	15	14.74	3.24	3.21	11.49	-1.12	1.93	-0.42	3.69	0.08
1920		3	-11	0	14.75	2.48	-0.75	11.49	0.72	-2.64	-0.13	3.25	1.77
1924		3	-11	5	14.74	3.18	2.15	11.49	0.78	-2.55	-1.81	3.09	1.93
1928		3	-11	10	14.77	5.51	7.98	11.49	-0.25	-0.60	-4.00	2.63	2.39
1933		3	-11	15	14.75	12.80	24.49	11.49	-4.41	5.03	-2.65	1.61	3.41
1852		3	0	0	14.74	2.01	-0.01	11.49	0.10	-2.48	0.10	3.33	1.88
1858		3	0	5	14.75	2.42	1.10	11.49	0.59	-2.59	-0.87	3.42	1.79
1862		3	0	10	14.73	3.15	2.97	11.49	0.75	-1.85	-2.48	3.38	1.83
1866		3	0	15	14.73	4.99	6.45	11.49	0.17	0.30	-5.33	3.16	2.05

* Indicates model was close to heave stop

TABLE A1.103.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1882	3	10	0	14.72	2.41	0.62	11.49	-0.52	-2.99	0.35	3.27	1.75
1886	3	10	5	14.73	2.23	1.71	11.49	0.01	-3.22	-0.71	3.50	1.52
1890	3	10	10	14.73	2.19	2.21	11.49	1.16	-6.13	-1.56	3.83	1.19
1891	3	10	10	14.73	2.17	2.17	11.49	1.15	-6.16	-1.57	3.83	1.19
1896	3	10	15	14.77	2.21	2.57	11.49	2.76	-9.65	-2.75	4.14	0.88
1902	3	21	0	14.73	2.92	0.59	11.49	-0.78	-3.21	0.93	3.25	1.58
1906	3	21	5	14.74	2.62	3.37	11.49	-0.62	-3.24	-1.32	3.55	1.28
1910	3	21	10	14.74	2.29	3.40	11.49	0.36	-6.83	-2.67	4.12	0.71
1914	3	21	15	14.73	2.17	3.25	11.49	1.63	-10.15	-3.40	4.55	0.28
2024	6	-10	0	14.74	2.17	-1.39	11.49	0.50	-10.16	1.58	4.64	1.66
2028	6	-10	5	14.76	2.58	0.07	11.49	1.43	-8.89	-0.55	4.33	1.97
2032	6	-10	10	14.72	3.44	3.21	11.49	1.84	-7.67	-4.24	4.05	2.25
2036	6	-10	15	14.73	5.84	9.56	11.49	1.22	-5.57	-10.60	3.60	2.70
1965	6	0	0	14.73	1.80	0.04	11.49	0.11	-11.54	0.12	4.84	1.39
1970	6	0	5	14.73	1.71	0.34	11.49	1.37	-11.49	-0.28	4.84	1.39
1974	6	0	10	14.74	1.99	0.81	11.49	2.68	-10.97	-1.02	4.83	1.40
1978	6	0	15	14.73	2.58	1.77	11.49	3.77	-10.66	-2.63	4.77	1.46
1984	6	10	0	14.75	2.13	1.56	11.49	0.06	-10.73	-1.50	4.71	1.45
1988	6	10	5	14.73	2.01	1.79	11.49	1.37	-12.69	-2.17	5.08	1.08
1992	6	10	10	14.73	2.02	1.98	11.49	2.79	-14.15	-2.71	5.33	0.83
1997	6	10	15	14.73	2.07	2.02	11.49	4.15	-14.63	-2.97	5.38	0.78
2004	6	20	0	14.74	2.37	2.34	11.49	-0.58	-9.09	-1.54	4.38	1.64
2009	6	20	5	14.73	2.47	4.39	11.49	0.13	-10.97	-4.69	4.77	1.25
2013	6	20	10	14.72	2.26	3.03	11.49	1.61	-13.24	-3.88	5.33	0.69
2017	6	20	15	14.73	2.42	2.78	11.49	3.08	-14.36	-3.95	5.58	0.44

* Indicates model was close to heave stop

TABLE A1.104.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2115	-2	-10	0	19.64	13.13	4.55	11.49	1.10	-3.53	4.71	1.61	1.69
2077	-2	10	0	19.68	13.07	-3.70	11.49	-0.22	-3.71	-4.04	1.56	1.74
2093 *	-2	20	0	19.64	13.48	-6.59	11.49	-0.21	1.45	-9.84	1.52	1.59
2097 *	-2	20	5	19.64	13.77	3.52	11.49	-1.19	5.92	6.36	1.55	1.56
2105	-2	20	10	19.67	12.43	6.54	11.49	-3.19	26.38	12.93	2.23	0.88
2107	-2	20	10	19.69	16.74	18.35	11.49	-1.97	9.06	21.44	1.67	1.44
2109	-2	20	12	19.66	7.86	5.04	11.49	-3.52	21.47	8.26	3.04	0.07
2104	-2	20	15	19.66	5.67	4.08	11.49	-3.28	14.69	4.34	3.58	-0.47
1832	0	-10	0	19.66	7.15	-0.67	11.49	0.48	9.60	-3.81	2.44	1.55
1836	0	-10	5	19.63	11.55	7.52	11.49	-1.41	11.37	2.88	1.71	2.28
1842	0	-10	10	19.65	15.50	20.76	11.49	-5.60	12.70	8.96	1.72	2.27
1846	0	-10	15	19.69	22.69	39.42	11.49	-11.76	13.28	13.48	1.69	2.30
1763	0	0	0	19.66	6.78	-0.07	11.49	0.31	12.36	-0.32	2.28	1.69
1767	0	0	5	19.67	9.27	2.62	11.49	-0.90	15.11	-0.70	2.17	1.80
1772 *	0	0	10	19.62	15.38	15.02	11.49	-4.75	18.07	5.15	1.47	2.50
1776 *	0	0	15	19.64	21.75	28.91	11.49	-9.80	21.71	7.62	1.45	2.52
1782	0	10	0	19.65	7.03	0.73	11.49	0.10	10.57	2.13	2.33	1.58
1786	0	10	5	19.62	6.14	2.22	11.49	-0.76	14.73	2.37	2.59	1.32
1791	0	10	10	19.65	5.22	2.91	11.49	-1.02	11.30	1.95	3.03	0.88
1795	0	10	15	19.66	4.50	3.73	11.49	-0.39	5.00	0.25	3.37	0.54
1812	0	21	0	19.63	6.88	0.44	11.49	-0.21	5.20	2.05	2.52	1.25
1818	0	21	5	19.64	5.79	3.12	11.49	-1.22	12.17	3.09	2.79	0.98
1822	0	21	10	19.64	4.46	2.97	11.49	-1.39	5.09	0.34	3.59	0.18
1826	0	21	15	19.62	2.73	2.14	11.49	-0.54	-2.88	-0.61	4.20	-0.43
1921	3	-11	0	19.65	3.15	-1.28	11.49	0.78	-2.44	0.59	3.57	1.45
1925	3	-11	5	19.66	4.64	2.41	11.49	0.77	-0.44	-2.41	3.26	1.76
1929	3	-11	10	19.64	8.52	12.52	11.49	-1.22	3.53	-6.37	2.65	2.37
1934	3	-11	15	19.69	20.99	42.55	11.49	-8.89	13.41	-4.60	1.59	3.43
1853	3	0	0	19.68	2.68	0.06	11.49	0.14	-4.39	0.10	3.80	1.41
1859	3	0	5	19.65	2.94	0.73	11.49	0.93	-4.23	-0.35	3.80	1.41
1863	3	0	10	19.64	3.60	2.44	11.49	1.57	-4.14	-2.32	3.80	1.41
1867	3	0	15	19.63	5.17	5.59	11.49	1.52	-2.04	-5.82	3.66	1.55

* Indicates model was close to heave stop

TABLE A1.104.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1883	3	10	0	19.64	3.06	1.25	11.49	-0.57	-3.07	-0.50	3.61	1.41
1887	3	10	5	19.69	2.56	1.91	11.49	0.49	-8.36	-1.70	4.06	0.96
1893	3	10	10	19.65	2.20	2.23	11.49	1.74	-11.39	-2.42	4.30	0.72
1897	3	10	15	19.63	2.20	2.32	11.49	3.04	-12.74	-2.74	4.43	0.59
1903	3	21	0	19.63	4.11	1.31	11.49	-0.87	-2.01	1.08	3.48	1.35
1907	3	21	5	19.63	2.82	3.17	11.49	-0.47	-6.15	-2.02	4.10	0.73
1911	3	21	10	19.64	2.29	3.02	11.49	0.72	-10.98	-2.93	4.60	0.23
1915	3	21	15	19.67	2.18	2.54	11.49	2.19	-13.51	-2.78	4.92	-0.09
2025	6	-10	0	19.64	2.10	-0.89	11.49	0.79	-13.99	1.52	5.35	0.95
2029	6	-10	5	19.67	2.67	-0.34	11.49	1.91	-12.01	0.46	5.04	1.26
2033	6	-10	10	19.62	3.79	2.77	11.49	2.58	-9.66	-4.08	4.69	1.61
2037	6	-10	15	19.63	6.77	10.48	11.49	1.65	-6.40	-13.61	4.18	2.12
1966	6	0	0	19.65	1.72	0.19	11.49	0.19	-16.81	-0.07	5.54	0.69
1971	6	0	5	19.64	1.78	0.57	11.49	1.87	-16.45	-0.61	5.53	0.70
1975	6	0	10	19.64	1.93	0.96	11.49	3.59	-16.16	-1.21	5.51	0.72
1979	6	0	15	19.64	2.25	1.33	11.49	5.36	-15.54	-1.85	5.46	0.77
1985	6	10	0	19.63	2.16	1.20	11.49	-0.17	-14.69	-1.46	5.43	0.73
1989	6	10	5	19.65	2.01	1.39	11.49	1.32	-15.66	-1.78	5.58	0.58
1994	6	10	10	19.67	2.02	1.54	11.49	2.57	-16.29	-1.99	5.58	0.58
1998	6	10	15	19.64	2.07	1.64	11.49	4.14	-16.31	-2.16	5.66	0.50
2005	6	20	0	19.63	2.73	3.00	11.49	-0.82	-11.30	-2.98	5.02	1.00
2010	6	20	5	19.68	2.52	3.89	11.49	0.29	-13.66	-4.82	5.44	0.58
2014	6	20	10	19.68	2.24	2.45	11.49	1.59	-16.07	-3.15	5.82	0.20
2018	6	20	15	19.66	2.23	2.11	11.49	3.46	-16.29	-2.77	5.95	0.07

* Indicates model was close to heave stop

TABLE A1.110.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
753	0	-10	-15	0	-0.07	0.30	11.49	-0.20	-3.42	0.07	2.68	1.41
749	0	-10	-10	0	0.01	0.13	11.49	-0.02	-3.41	0.00	2.68	1.41
745	0	-10	-5	0	0.03	0.05	11.49	0.21	-3.40	-0.01	2.71	1.38
732	0	-10	0	0	0.03	0.13	11.49	0.60	-3.33	0.02	2.73	1.36
736	0	-10	5	0	0.01	0.09	11.49	0.83	-3.33	0.00	2.73	1.36
740	0	-10	10	0	0.00	0.01	11.49	1.05	-3.35	0.07	2.72	1.37
664	0	0	-10	0	0.04	0.09	11.49	-0.76	-3.54	-0.01	2.51	1.64
660	0	0	-5	0	0.03	0.05	11.49	-0.41	-3.56	0.02	2.52	1.63
643	0	0	0	0	0.06	0.03	11.49	-0.11	-3.56	0.00	2.58	1.57
645	0	0	0	0	0.09	0.05	11.49	-0.08	-3.38	-0.01	3.69	0.46
647	0	0	0	0	0.08	0.03	11.49	-0.08	-3.37	0.00	2.61	1.54
648	0	0	0	0	0.06	0.05	11.49	-0.06	-3.46	0.01	2.61	1.54
653	0	0	5	0	0.04	0.06	11.49	0.26	-3.58	0.01	2.58	1.57
656	0	0	10	0	0.03	0.05	11.49	0.57	-3.64	0.02	2.58	1.57
668	0	10	-10	0	0.02	0.12	11.49	-1.27	-3.30	-0.01	2.55	1.54
689	0	10	-10	0	0.05	0.01	11.49	-1.42	-3.24	0.02	2.49	1.60
685	0	10	-5	0	0.03	0.05	11.49	-1.06	-3.37	-0.02	2.52	1.57
672	0	10	5	0	0.02	0.06	11.49	-0.44	-3.60	-0.02	2.55	1.54
676	0	10	10	0	0.01	0.07	11.49	-0.08	-3.70	-0.01	2.54	1.55
681	0	10	15	0	0.02	0.07	11.49	0.25	-3.75	-0.01	2.54	1.55
728	0	20	-10	0	0.06	-0.06	11.49	-1.62	-3.22	0.09	2.65	1.25
724	0	20	-5	0	0.03	0.08	11.49	-1.20	-3.26	-0.02	2.69	1.21
706	0	20	0	0	0.03	0.10	11.49	-0.85	-3.46	-0.02	2.72	1.18
707	0	20	0	0	0.03	0.10	11.49	-0.86	-3.45	-0.02	2.72	1.18
711	0	20	5	0	0.04	0.04	11.49	-0.59	-3.54	0.01	2.70	1.20
715	0	20	10	0	0.04	0.09	11.49	-0.24	-3.66	0.01	2.69	1.21
720	0	20	15	0	0.03	0.10	11.49	0.07	-3.68	-0.01	2.69	1.21
883	3	-10	-15	0	0.01	0.00	11.49	-1.90	-8.49	-0.06	2.83	2.43
887	3	-10	-10	0	-0.04	0.04	11.49	-1.17	-8.80	-0.03	2.84	2.42
891	3	-10	-5	0	-0.00	0.03	11.49	-0.41	-8.94	-0.03	2.81	2.45
895	3	-10	0	0	0.02	0.00	11.49	0.32	-8.87	-0.03	2.65	2.41
899	3	-10	5	0	-0.00	0.07	11.49	1.17	-8.87	-0.03	2.85	2.41
903	3	-10	10	0	0.01	0.02	11.49	1.88	-8.76	-0.03	2.85	2.41
907	3	-10	15	0	-0.00	0.03	11.49	2.68	-8.71	-0.02	2.83	2.43
802	3	0	-15	0	0.00	0.03	11.49	-2.49	-8.85	-0.08	2.80	2.52
798	3	0	-10	0	0.00	0.05	11.49	-1.75	-9.31	-0.07	2.75	2.57
794	3	0	-5	0	0.02	0.01	11.49	-0.93	-9.23	-0.06	2.80	2.52
759	3	0	0	0	-0.01	0.08	11.49	-0.10	-9.26	-0.03	2.95	2.37
763	3	0	5	0	-0.01	0.10	11.49	0.73	-9.32	-0.05	2.96	2.36
767	3	0	10	0	-0.02	0.02	11.49	1.57	-9.33	-0.06	2.95	2.37
790	3	0	10	0	0.01	0.04	11.49	1.52	-9.28	-0.04	2.80	2.52
771	3	0	15	0	-0.03	0.05	11.49	2.37	-9.34	-0.05	2.93	2.39
786	3	0	15	0	0.00	0.05	11.49	2.30	-9.05	-0.04	2.85	2.47

* Indicates model was close to heave stop

TABLE A1.110.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
836	3	10	-15	0	0.02	-0.00	11.49	-2.91	-8.56	-0.05	2.83	2.43
832	3	10	-10	0	-0.01	0.05	11.49	-2.12	-8.75	-0.06	2.85	2.41
828	3	10	-5	0	-0.01	-0.00	11.49	-1.39	-8.92	-0.06	2.85	2.41
811	3	10	0	0	-0.01	0.07	11.49	-0.56	-9.22	-0.05	2.81	2.45
816	3	10	5	0	-0.02	0.04	11.49	0.21	-9.20	-0.04	2.85	2.41
820	3	10	10	0	-0.02	0.03	11.49	1.05	-9.17	-0.02	2.86	2.40
824	3	10	15	0	-0.01	0.03	11.49	1.84	-9.05	-0.04	2.87	2.39
875	3	20	-15	0	-0.00	0.04	11.49	-2.98	-7.96	-0.05	2.87	2.20
870	3	20	-10	0	-0.01	0.05	11.49	-2.17	-8.19	-0.05	2.89	2.18
853	3	20	-5	0	-0.01	-0.04	11.49	-1.64	-8.41	-0.10	2.87	2.20
867	3	20	-5	0	-0.01	0.12	11.49	-1.52	-8.38	-0.05	2.93	2.14
841	3	20	0	0	0.04	-0.08	11.49	-0.84	-8.49	-0.10	2.86	2.21
845	3	20	5	0	-0.01	-0.09	11.49	-0.17	-8.63	-0.07	2.88	2.19
849	3	20	10	0	-0.03	-0.07	11.49	0.60	-8.63	-0.08	2.88	2.19
878	3	20	15	0	-0.04	0.01	11.49	1.45	-8.75	-0.01	2.84	2.23
1053	6	-10	-15	0	-0.03	0.02	11.49	-3.10	-12.43	-0.08	3.13	3.29
1049	6	-10	-10	0	-0.04	0.07	11.49	-2.01	-12.76	-0.08	3.14	3.28
1044	6	-10	-5	0	-0.02	0.11	11.49	-0.87	-12.74	-0.11	3.17	3.25
1011	6	-10	0	0	-0.02	0.02	11.49	0.16	-12.11	-0.05	3.22	3.20
1033	6	-10	0	0	-0.01	0.03	11.49	0.20	-12.31	-0.06	3.21	3.21
1040	6	-10	5	0	-0.04	0.05	11.49	1.31	-12.61	-0.05	3.18	3.24
1015	6	-10	10	0	-0.03	0.04	11.49	2.32	-12.21	-0.05	3.21	3.21
1019	6	-10	15	0	-0.03	-0.02	11.49	3.36	-12.11	-0.05	3.19	3.23
1035	6	-10	15	0	-0.02	0.08	11.49	3.43	-11.99	-0.06	3.21	3.21
937	6	0	-15	0	-0.01	-0.01	11.49	-3.35	-11.98	-0.09	3.21	3.27
933	6	0	-10	0	-0.01	-0.00	11.49	-2.29	-12.26	-0.10	3.21	3.27
929	6	0	-5	0	-0.01	-0.03	11.49	-1.26	-12.46	-0.14	3.21	3.27
912	6	0	0	0	0.03	-0.05	11.49	-0.19	-12.40	-0.07	3.22	3.26
917	6	0	5	0	-0.02	-0.04	11.49	0.92	-12.62	-0.06	3.18	3.30
921	6	0	10	0	-0.02	-0.02	11.49	2.00	-12.28	-0.08	3.24	3.24
925	6	0	15	0	-0.03	0.07	11.49	3.10	-12.19	-0.07	3.22	3.26
978	6	10	-15	0	-0.01	-0.00	11.49	-3.65	-11.93	-0.09	3.16	3.26
974	6	10	-10	0	-0.02	0.04	11.49	-2.59	-12.22	-0.13	3.18	3.24
970	6	10	-5	0	-0.04	0.08	11.49	-1.45	-12.23	-0.08	3.21	3.21
954	6	10	0	0	-0.03	0.06	11.49	-0.37	-12.53	-0.08	3.20	3.22
958	6	10	5	0	-0.00	-0.01	11.49	0.62	-12.54	-0.08	3.17	3.25
962	6	10	10	0	-0.02	-0.02	11.49	1.69	-12.27	-0.07	3.20	3.22
966	6	10	15	0	-0.04	0.03	11.49	2.77	-12.25	-0.06	3.20	3.22
1002	6	20	-15	0	-0.01	0.02	11.49	-3.73	-11.41	-0.06	3.21	3.02
998	6	20	-10	0	-0.03	0.04	11.49	-2.71	-11.64	-0.09	3.22	3.01
994	6	20	-5	0	-0.02	0.02	11.49	-1.69	-11.63	-0.07	3.25	2.98
982	6	20	0	0	-0.02	0.00	11.49	-0.65	-11.77	-0.05	3.27	2.96
986	6	20	5	0	-0.02	0.03	11.49	0.38	-11.79	-0.06	3.27	2.96
990	6	20	10	0	-0.02	0.03	11.49	1.38	-11.80	-0.05	3.26	2.97
1006	6	20	15	0	-0.04	-0.02	11.49	2.43	-11.86	-0.06	3.23	3.00

* Indicates model was close to heave stop

TABLE A1.111.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
754	0	-10	-15	7.34	2.41	-3.16	11.49	1.47	2.47	-2.36	2.11	1.98
750	0	-10	-10	7.34	1.84	-2.60	11.49	0.71	1.72	-1.78	2.29	1.80
746	0	-10	-5	7.35	1.54	-2.02	11.49	0.40	1.41	-1.11	2.34	1.75
733	0	-10	0	7.36	1.44	-1.54	11.49	0.19	1.24	-0.47	2.37	1.72
737	0	-10	5	7.35	1.58	-0.94	11.49	-0.14	1.17	0.17	2.27	1.82
741	0	-10	10	7.35	2.28	0.36	11.49	-1.36	1.86	1.42	1.96	2.13
665	0	0	-10	7.38	2.05	-2.57	11.49	0.35	1.38	-1.84	1.94	2.21
661	0	0	-5	7.36	1.60	-2.00	11.49	0.03	1.19	-0.81	2.11	2.04
649	0	0	0	7.40	1.42	-1.51	11.49	-0.25	1.31	-0.20	2.23	1.92
652	0	0	5	7.37	1.46	-1.20	11.49	-0.46	1.35	0.27	2.19	1.96
657	0	0	10	7.39	1.80	-0.75	11.49	-0.95	1.58	0.91	2.05	2.10
690	0	10	-10	7.40	2.33	-3.56	11.49	0.16	0.46	-2.75	1.79	2.30
686	0	10	-5	7.38	1.64	-2.15	11.49	-0.63	0.44	-1.13	2.06	2.03
669	0	10	0	7.38	1.50	-1.52	11.49	-0.79	0.74	-0.29	2.16	1.93
673	0	10	5	7.38	1.51	-1.09	11.49	-1.05	.32	0.22	2.17	1.92
677	0	10	10	7.38	1.76	-0.57	11.49	-1.28	1.72	0.89	2.11	1.98
682	0	10	15	7.37	2.33	0.26	11.49	-1.72	2.37	1.55	1.97	2.12
729	0	20	-10	7.35	2.47	-4.81	11.49	-0.11	-0.16	-3.37	1.94	1.96
725	0	20	-5	7.36	1.57	-2.43	11.49	-0.77	-0.20	-1.65	2.24	1.66
708	0	20	0	7.36	1.33	-1.61	11.49	-1.06	0.09	-0.66	2.37	1.53
712	0	20	5	7.36	1.43	-0.94	11.49	-1.26	0.56	0.11	2.36	1.54
716	0	20	10	7.36	1.68	0.07	11.49	-1.49	1.16	0.74	2.35	1.55
721	0	20	15	7.36	2.22	1.13	11.49	-1.66	1.45	1.11	2.33	1.57
884	3	-10	-15	7.36	1.98	-3.81	11.49	-0.66	-2.01	0.45	2.62	2.64
888	3	-10	-10	7.36	1.47	-2.91	11.49	-0.60	-3.58	0.06	2.70	2.56
892	3	-10	-5	7.36	1.31	-2.09	11.49	-0.29	-4.26	-0.34	2.67	2.59
896	3	-10	0	7.36	1.29	-1.42	11.49	0.08	-4.47	-0.53	2.68	2.58
900	3	-10	5	7.36	1.44	-0.62	11.49	0.43	-4.38	-0.76	2.59	2.67
904	3	-10	10	7.36	1.96	0.70	11.49	0.27	-3.72	-1.23	2.39	2.87
908	3	-10	15	7.36	3.23	3.27	11.49	-0.71	-2.46	-1.71	2.02	3.24
803	3	0	-15	7.37	2.03	-3.47	11.49	-1.14	-2.72	0.28	2.42	2.90
799	3	0	-10	7.36	1.59	-2.61	11.49	-1.12	-4.01	0.15	2.53	2.79
795	3	0	-5	7.46	1.33	-1.95	11.49	-0.84	-4.52	-0.07	2.66	2.66
760	3	0	0	7.36	1.18	-1.37	11.49	-0.37	-4.69	-0.29	2.81	2.51
764	3	0	5	7.35	1.36	-0.69	11.49	0.08	-4.50	-0.62	2.76	2.56
768	3	0	10	7.36	1.74	0.07	11.49	0.29	-3.59	-1.10	2.66	2.66
809	3	0	10	7.37	1.74	0.15	11.49	0.24	-3.62	-1.04	2.50	2.82
772	3	0	15	7.36	2.53	1.58	11.49	-0.16	-2.19	-1.72	2.43	2.89
789	3	0	15	7.35	2.47	1.53	11.49	-0.10	-2.24	-1.64	2.31	3.01

* Indicates model was close to heave stop

TABLE A1.111.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
837	3	10	-15	7.37	2.55	-4.77	11.49	-1.06	-4.01	-0.03	2.23	3.03
833	3	10	-10	7.37	1.63	-2.75	11.49	-1.48	-4.75	0.06	2.54	2.72
840	3	10	-10	7.37	1.95	-3.20	11.49	-1.78	-4.71	0.05	2.38	2.88
830	3	10	-5	7.37	1.35	-1.86	11.49	-1.28	-5.04	-0.02	2.66	2.60
812	3	10	0	7.39	1.29	-1.21	11.49	-0.86	-4.88	-0.16	2.67	2.59
813	3	10	0	7.37	1.26	-1.20	11.49	-0.83	-4.94	-0.15	2.69	2.57
817	3	10	5	7.37	1.31	-0.62	11.49	-0.45	-4.73	-0.39	2.72	2.54
821	3	10	10	7.37	1.59	0.22	11.49	-0.10	-4.00	-0.92	2.69	2.57
825	3	10	15	7.37	2.15	1.18	11.49	0.04	-2.65	-1.54	2.63	2.63
876	3	20	-15	7.36	3.13	-6.50	11.49	-0.69	-4.15	-0.50	2.13	2.94
871	3	20	-10	7.36	1.87	-3.56	11.49	-1.46	-4.74	-0.32	2.47	2.60
854	3	20	-5	7.37	1.48	-2.18	11.49	-1.48	-5.01	-0.27	2.62	2.45
842	3	20	0	7.37	1.42	-1.26	11.49	-1.17	-4.92	-0.24	2.67	2.40
846	3	20	5	7.37	1.53	-0.29	11.49	-0.96	-4.73	-0.53	2.69	2.38
850	3	20	10	7.37	1.91	0.92	11.49	-0.66	-4.17	-1.08	2.74	2.33
879	3	20	15	7.36	2.38	1.85	11.49	-0.26	-3.30	-1.55	2.75	2.32
1054	6	-10	-15	7.35	2.34	-4.44	11.49	-1.79	-6.72	2.54	3.23	3.19
1050	6	-10	-10	7.36	1.93	-3.53	11.49	-1.33	-7.97	1.45	3.24	3.18
1045	6	-10	-5	7.36	1.73	-2.38	11.49	-0.69	-8.55	0.21	3.25	3.17
1012	6	-10	0	7.34	1.66	-1.49	11.49	-0.10	-8.31	-0.64	3.25	3.17
1034	6	-10	0	7.42	1.61	-1.50	11.49	-0.13	-8.43	-0.67	3.26	3.16
1039	6	-10	5	7.36	1.84	-0.54	11.49	0.42	-8.47	-1.61	3.11	3.31
1016	6	-10	10	7.34	2.33	1.04	11.49	0.82	-7.90	-2.90	2.98	3.44
1020	6	-10	15	7.34	3.48	3.66	11.49	0.58	-7.00	-4.99	2.70	3.72
1038	6	-10	15	7.36	3.38	3.66	11.49	0.82	-7.31	-4.93	2.69	3.73
938	6	0	-15	7.36	2.33	-4.01	11.49	-2.25	-7.20	2.48	3.14	3.34
934	6	0	-10	7.36	1.87	-3.14	11.49	-1.77	-7.82	1.56	3.23	3.25
930	6	0	-5	7.36	1.66	-2.26	11.49	-1.27	-8.33	0.39	3.28	3.20
913	6	0	0	7.36	1.59	-1.32	11.49	-0.44	-8.58	-0.56	3.30	3.18
918	6	0	5	7.36	1.72	-0.43	11.49	0.19	-8.24	-1.50	3.24	3.24
922	6	0	10	7.36	2.05	0.43	11.49	0.73	-7.59	-2.51	3.20	3.28
926	6	0	15	7.36	2.76	1.93	11.49	0.94	-6.83	-4.02	3.06	3.42
979	6	10	-15	7.36	2.56	-4.56	11.49	-2.37	-8.01	2.65	2.96	3.46
975	6	10	-10	7.36	1.94	-2.95	11.49	-2.14	-8.60	1.33	3.13	3.29
971	6	10	-5	7.36	1.60	-1.76	11.49	-1.42	-8.84	0.46	3.25	3.17
955	6	10	0	7.35	1.61	-0.82	11.49	-0.71	-8.94	-0.44	3.28	3.14
959	6	10	5	7.36	1.78	0.06	11.49	-0.13	-8.59	-1.45	3.27	3.15
963	6	10	10	7.36	2.03	0.84	11.49	0.46	-7.69	-2.50	3.30	3.12
967	6	10	15	7.36	2.45	1.56	11.49	1.03	-7.22	-3.35	3.30	3.12
1003	6	20	-15	7.36	3.03	-5.85	11.49	-2.12	-8.11	2.78	2.82	3.41
999	6	20	-10	7.36	2.08	-3.45	11.49	-2.12	-8.48	1.42	3.08	3.15
995	6	20	-5	7.36	1.68	-1.93	11.49	-1.74	-8.66	0.41	3.24	2.99
983	6	20	0	7.36	1.62	-0.70	11.49	-1.12	-8.70	-0.46	3.33	2.90
987	6	20	5	7.36	1.86	0.71	11.49	-0.54	-8.49	-1.67	3.37	2.86
991	6	20	10	7.36	2.27	1.77	11.49	0.02	-7.91	-2.82	3.37	2.86
1007	6	20	15	7.34	2.74	2.05	11.49	0.67	-7.36	-3.29	3.49	2.74

* Indicates model was close to heave stop

TABLE A1.113.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
755	0	-10	-15	14.67	5.70	-10.16	11.49	2.48	14.05	-4.12	2.81	1.28
758	0	-10	-15	14.74	5.68	-10.32	11.49	2.27	13.97	-4.25	2.82	1.27
751	0	-10	-10	14.68	5.58	-9.84	11.49	1.24	12.81	-3.85	2.53	1.56
747	0	-10	-5	14.67	4.63	-8.39	11.49	-0.01	8.57	-2.94	2.46	1.63
734	0	-10	0	14.71	4.29	-6.25	11.49	-0.71	5.64	-2.91	2.47	1.62
738	0	-10	5	14.68	6.02	-2.42	11.49	-2.24	7.49	-2.61	2.10	1.99
742	0	-10	10	14.68	10.20	8.52	11.49	-6.00	10.03	-1.16	1.57	2.52
666 *	0	0	-10	14.75	9.32	-15.49	11.49	1.74	7.04	-5.97	1.41	2.74
662	0	0	-5	14.74	5.14	-8.35	11.49	-0.46	6.15	-0.80	2.18	1.97
650	0	0	0	14.72	4.00	-6.15	11.49	-1.04	5.42	-0.84	2.35	1.80
654	0	0	5	14.74	5.35	-3.74	11.49	-2.08	8.05	-1.40	2.08	2.07
658 *	0	0	10	14.74	9.27	3.98	11.49	-4.71	11.05	-2.49	1.39	2.76
691 *	0	10	-10	14.74	9.97	-18.80	11.49	2.52	3.04	-9.92	1.40	2.69
687	0	10	-5	14.75	5.35	-9.34	11.49	-0.72	2.73	-1.99	2.07	2.02
670	0	10	0	14.73	4.00	-6.49	11.49	-1.54	3.14	0.49	2.40	1.69
674	0	10	5	14.74	4.34	-4.67	11.49	-2.09	7.18	0.78	2.31	1.78
678	0	10	10	14.74	5.44	-2.24	11.49	-3.06	10.44	0.50	2.36	1.73
683	0	10	15	14.75	5.53	-1.69	11.49	-3.20	10.43	0.75	2.67	1.42
730 *	0	20	-10	14.71	10.66	-23.19	11.49	2.06	-0.05	-15.51	1.50	2.40
726	0	20	-5	14.71	5.26	-10.77	11.49	-0.79	-0.56	-5.40	2.22	1.68
709	0	20	0	14.71	3.79	-6.72	11.49	-1.79	0.53	-0.69	2.57	1.33
713	0	20	5	14.71	4.21	-3.64	11.49	-2.40	4.07	0.82	2.59	1.31
717	0	20	10	14.71	3.83	-3.07	11.49	-2.40	5.20	0.66	2.99	0.91
718	0	20	10	14.72	3.78	-3.19	11.49	-2.44	5.01	0.58	3.01	0.89
722	0	20	15	14.70	3.43	-3.05	11.49	-2.15	1.06	-0.89	3.54	0.36
885	3	-10	-15	14.71	2.30	-9.04	11.49	-3.16	-6.59	2.03	3.82	1.44
889	3	-10	-10	14.74	2.21	-8.54	11.49	-1.75	-3.21	1.00	3.58	1.68
893	3	-10	-5	14.74	2.32	-8.00	11.49	-0.83	-0.50	0.21	3.24	2.02
897	3	-10	0	14.71	2.62	-6.28	11.49	-0.68	-1.22	-1.39	3.07	2.19
901	3	-10	5	14.72	3.35	-3.03	11.49	-0.89	-0.64	-3.43	2.89	2.37
905	3	-10	10	14.73	6.23	4.51	11.49	-2.59	2.33	-7.65	2.42	2.84
909 *	3	-10	15	14.74	14.16	20.64	11.49	-8.75	9.52	-9.45	1.45	3.81
804	3	0	-15	14.75	4.07	-10.88	11.49	-1.76	0.01	3.14	3.10	2.22
800	3	0	-10	14.75	2.99	-8.56	11.49	-1.91	-0.97	1.38	3.15	2.17
796	3	0	-5	14.74	2.39	-7.07	11.49	-1.60	-1.40	0.39	3.18	2.14
761	3	0	0	14.72	2.21	-6.08	11.49	-1.04	-2.00	-0.44	3.29	2.03
806	3	0	0	14.74	2.20	-6.14	11.49	-1.15	-1.35	-0.42	3.18	2.14
765	3	0	5	14.72	2.70	-4.41	11.49	-0.67	-1.70	-1.88	3.27	2.05
807	3	0	5	14.74	2.71	-4.60	11.49	-0.90	-1.17	-1.77	3.13	2.19
769	3	0	10	14.74	3.73	-1.83	11.49	-0.83	-0.40	-4.18	3.20	2.12
808	3	0	10	14.74	3.70	-1.97	11.49	-1.06	-0.02	-4.06	3.07	2.25
773	3	0	15	14.73	6.57	3.74	11.49	-2.41	3.29	-8.63	2.93	2.39
788	3	0	15	14.68	6.04	2.92	11.49	-2.23	2.66	-8.19	2.88	2.44

* Indicates model was close to heave stop

TABLE A1.113.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
838	3	10	-15	14.75	9.77	-23.13	11.49	1.25	1.33	1.76	2.03	3.23
834	3	10	-10	14.74	4.15	-10.61	11.49	-1.62	-1.94	1.79	2.82	2.44
831	3	10	-5	14.74	2.76	-7.23	11.49	-2.04	-3.17	0.86	3.13	2.13
814	3	10	0	14.74	2.33	-5.08	11.49	-1.71	-2.89	-0.59	3.25	2.01
818	3	10	5	14.73	2.26	-4.50	11.49	-0.99	-3.85	-1.05	3.47	1.79
822	3	10	10	14.74	2.21	-4.03	11.49	0.26	-7.22	-2.11	3.79	1.47
826	3	10	15	14.74	2.18	-3.79	11.49	1.83	-10.48	-3.19	4.06	1.20
877 *	3	20	-15	14.72	14.22	-34.99	11.49	3.11	-1.77	-8.80	1.47	3.60
872	3	20	-10	14.70	5.56	-14.82	11.49	-0.87	-3.03	0.24	2.55	2.52
855	3	20	-5	14.75	3.38	-8.18	11.49	-2.06	-3.94	0.74	2.99	2.08
868	3	20	-5	14.71	3.25	-7.91	11.49	-2.14	-4.01	0.75	3.07	2.00
843	3	20	0	14.74	2.76	-4.88	11.49	-2.17	-4.05	-0.49	3.24	1.83
847	3	20	5	14.75	2.35	-2.97	11.49	-1.61	-5.00	-2.09	3.55	1.52
851	3	20	10	14.74	2.31	-2.89	11.49	-0.60	-8.69	-3.40	4.08	0.99
880	3	20	15	14.71	2.15	-3.41	11.49	0.58	-11.37	-3.70	4.47	0.60
1055	6	-10	-15	14.72	2.25	-8.92	11.49	-5.04	-14.64	3.29	5.10	1.32
1051	6	-10	-10	14.74	2.21	-8.78	11.49	-3.33	-13.07	2.73	4.86	1.56
1047	6	-10	-5	14.71	2.29	-8.51	11.49	-1.96	-10.55	1.90	4.56	1.86
1013	6	-10	0	14.67	2.26	-7.56	11.49	-0.64	-8.59	0.59	4.29	2.13
1057	6	-10	0	14.67	2.33	-7.67	11.49	-0.71	-8.74	0.64	4.24	2.18
1041	6	-10	5	14.67	2.81	-4.98	11.49	-0.41	-8.07	-2.75	4.01	2.41
1017	6	-10	10	14.67	4.34	-0.05	11.49	-0.61	-6.29	-8.03	3.70	2.72
1021	6	-10	15	14.67	8.65	10.66	11.49	-3.02	-2.65	-17.07	3.06	3.36
1037	6	-10	15	14.66	8.06	9.86	11.49	-2.78	-2.96	-16.36	3.08	3.34
939	6	0	-15	14.72	2.44	-7.92	11.49	-4.59	-10.27	1.98	4.55	1.93
935	6	0	-10	14.72	1.89	-7.04	11.49	-3.49	-10.46	0.66	4.58	1.90
931	6	0	-5	14.72	1.83	-6.77	11.49	-2.35	-10.80	0.23	4.60	1.88
914	6	0	0	14.73	1.76	-6.46	11.49	-1.14	-11.12	-0.21	4.63	1.85
919	6	0	5	14.70	1.91	-6.07	11.49	0.14	-10.83	-0.53	4.59	1.89
923	6	0	10	14.71	2.35	-5.11	11.49	1.14	-10.74	-2.08	4.60	1.88
927	6	0	15	14.71	3.17	-3.57	11.49	1.87	-10.01	-4.45	4.52	1.96
980	6	10	-15	14.71	4.45	-12.19	11.49	-2.94	-6.80	6.61	3.74	2.68
976	6	10	-10	14.70	2.89	-7.76	11.49	-3.21	-8.31	2.02	4.03	2.39
972	6	10	-5	14.70	2.21	-5.33	11.49	-2.78	-9.28	-0.93	4.29	2.13
956	6	10	0	14.66	1.97	-4.88	11.49	-1.75	-11.52	-1.84	4.62	1.80
960	6	10	5	14.70	1.97	-4.63	11.49	-0.48	-13.66	-2.63	4.93	1.49
964	6	10	10	14.72	2.03	-4.46	11.49	1.07	-15.10	-3.15	5.15	1.27
968	6	10	15	14.70	2.16	-4.42	11.49	2.52	-15.60	-3.43	5.27	1.15
1004	6	20	-15	14.71	7.17	-20.03	11.49	-0.54	-6.10	10.03	3.17	3.06
1000	6	20	-10	14.72	3.88	-10.91	11.49	-2.54	-7.38	4.42	3.69	2.54
996	6	20	-5	14.71	2.65	-5.84	11.49	-2.73	-8.41	0.04	4.03	2.20
984	6	20	0	14.72	2.24	-2.87	11.49	-2.48	-9.93	-3.36	4.36	1.87
988	6	20	5	14.71	2.05	-3.06	11.49	-1.27	-12.68	-4.10	4.95	1.28
992	6	20	10	14.71	2.16	-3.41	11.49	-0.02	-14.32	-4.26	5.30	0.93
1008	6	20	15	14.67	2.27	-3.77	11.49	1.36	-15.40	-4.16	5.55	0.68

* Indicates model was close to heave stop

TABLE A1.114.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
756	0	-10	-15	19.63	5.07	-15.04	11.49	0.16	9.73	-2.02	3.37	0.72
757	0	-10	-15	19.69	5.05	-15.13	11.49	0.05	9.66	-2.02	3.38	0.71
752	0	-10	-10	19.61	6.13	-14.40	11.49	0.91	17.43	-4.22	3.02	1.07
748	0	-10	-5	19.63	7.57	-14.31	11.49	-0.40	19.48	-5.38	2.49	1.60
735	0	-10	0	19.61	7.69	-12.15	11.49	-1.74	12.34	-5.27	2.36	1.73
739	0	-10	5	19.63	12.47	-2.10	11.49	-4.34	14.37	-5.06	1.56	2.53
743	0	-10	10	19.63	16.84	13.02	11.49	-10.41	18.50	-1.12	1.56	2.53
667 *	0	0	-10	19.68	15.53	-26.13	11.49	2.02	15.33	-12.03	1.41	2.74
663	0	0	-5	19.68	10.03	-14.05	11.49	-0.53	15.42	-2.31	1.96	2.19
651	0	0	0	19.70	7.24	-11.45	11.49	-1.80	13.07	-1.41	2.21	1.94
655	0	0	5	19.70	8.18	-8.03	11.49	-3.64	16.01	-2.17	2.21	1.94
659 *	0	0	10	19.67	15.13	3.71	11.49	-8.29	21.11	-2.59	1.40	2.75
692 *	0	10	-10	19.67	17.16	-32.71	11.49	4.26	6.43	-19.59	1.41	2.68
688 *	0	10	-5	19.67	12.55	-19.35	11.49	-0.25	8.45	-8.73	1.41	2.68
671	0	10	0	19.67	7.33	-11.44	11.49	-2.72	8.23	1.53	2.30	1.79
675	0	10	5	19.67	6.91	-9.31	11.49	-3.25	14.29	1.34	2.42	1.67
679	0	10	10	19.68	5.58	-8.77	11.49	-2.98	10.52	1.22	2.92	1.17
680	0	10	10	19.67	5.47	-8.82	11.49	-2.93	10.31	1.20	2.94	1.15
684	0	10	15	19.70	5.10	-7.72	11.49	-2.28	5.21	-0.22	3.20	0.89
731 *	0	20	-10	19.61	18.19	-40.41	11.49	4.81	3.75	-28.29	1.50	2.40
727 *	0	20	-5	19.61	12.78	-22.95	11.49	-0.18	3.95	-16.64	1.49	2.41
710	0	20	0	19.63	6.93	-12.03	11.49	-2.56	3.64	-1.38	2.46	1.44
714	0	20	5	19.63	6.01	-8.60	11.49	-3.30	8.25	1.07	2.78	1.12
719	0	20	10	19.62	4.44	-8.69	11.49	-3.38	2.83	-0.55	3.53	0.37
723	0	20	15	19.61	2.80	-9.68	11.49	-2.51	-4.01	-0.85	4.04	-0.14
886	3	-10	-15	19.68	2.31	-14.07	11.49	-4.88	-10.70	2.60	4.19	1.07
890	3	-10	-10	19.69	2.34	-13.70	11.49	-3.65	-8.39	1.97	4.04	1.22
894	3	-10	-5	19.69	2.98	-13.28	11.49	-2.01	-2.96	0.73	3.68	1.58
898	3	-10	0	19.68	3.35	-11.72	11.49	-1.37	0.31	-1.23	3.37	1.89
902	3	-10	5	19.68	5.03	-6.48	11.49	-2.01	2.44	-5.63	3.07	2.19
906	3	-10	10	19.69	10.53	7.62	11.49	-5.58	9.29	-13.12	2.38	2.88
910 *	3	-10	15	19.69	24.31	36.23	11.49	-15.13	21.88	-15.03	1.45	3.81
805	3	0	-15	19.69	4.59	-15.59	11.49	-3.93	-2.46	3.71	3.53	1.79
801	3	0	-10	19.69	3.53	-13.25	11.49	-3.49	-2.91	1.16	3.55	1.77
797	3	0	-5	19.69	2.87	-12.08	11.49	-2.65	-2.68	0.25	3.57	1.75
762	3	0	0	19.70	2.88	-11.28	11.49	-1.77	-2.72	-0.15	3.65	1.67
793	3	0	0	19.69	2.85	-11.49	11.49	-1.97	-2.04	-0.02	3.54	1.78
766	3	0	5	19.70	3.47	-9.79	11.49	-1.10	-3.22	-1.71	3.66	1.66
792	3	0	5	19.68	3.32	-10.05	11.49	-1.38	-2.83	-1.48	3.58	1.74
770	3	0	10	19.67	4.52	-7.09	11.49	-0.82	-2.08	-4.58	3.61	1.71
791	3	0	10	19.67	4.35	-7.48	11.49	-1.20	-1.74	-4.36	3.50	1.82
774	3	0	15	19.69	7.90	-0.37	11.49	-2.53	2.92	-11.20	3.35	1.97
787	3	0	15	19.63	7.09	-1.53	11.49	-2.31	1.76	-10.56	3.33	1.99

* Indicates model was close to heave stop

TABLE A1.114.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
839	3	10	-15	19.68	21.08	-49.61	11.49	2.58	10.85	-4.31	1.54	3.72
835	3	10	-10	19.69	6.21	-17.29	11.49	-2.25	0.57	2.88	3.01	2.25
829	3	10	-5	19.70	3.99	-11.74	11.49	-3.16	-1.69	0.38	3.37	1.89
815	3	10	0	19.70	2.91	-9.98	11.49	-2.53	-5.07	-1.09	3.71	1.55
819	3	10	5	19.69	2.42	-9.57	11.49	-1.45	-9.56	-2.22	4.02	1.24
823	3	10	10	19.69	2.31	-9.40	11.49	-0.32	-11.97	-2.78	4.23	1.03
827	3	10	15	19.69	2.31	-9.31	11.49	0.95	-13.04	-3.13	4.33	0.93
873	3	20	-10	19.67	9.74	-27.82	11.49	-0.28	-0.20	-0.12	2.45	2.62
874	3	20	-10	19.69	9.61	-27.46	11.49	-0.14	-0.32	-0.14	2.24	2.83
869	3	20	-5	19.67	5.07	-13.41	11.49	-2.99	-1.76	0.65	3.18	1.89
844	3	20	0	19.73	3.85	-9.09	11.49	-3.64	-4.23	-1.71	3.56	1.51
848	3	20	5	19.70	2.65	-8.48	11.49	-2.52	-8.34	-2.78	4.10	0.97
852	3	20	10	19.73	2.33	-8.98	11.49	-1.32	-12.55	-3.14	4.58	0.49
881	3	20	15	19.69	2.03	-9.41	11.49	0.11	-14.68	-2.87	4.83	0.24
1056	6	-10	-15	19.64	2.22	-13.72	11.49	-6.27	-17.42	2.64	5.48	0.94
1052	6	-10	-10	19.64	2.18	-13.52	11.49	-4.51	-16.54	2.46	5.38	1.04
1048	6	-10	-5	19.64	2.27	-13.21	11.49	-2.96	-15.35	2.12	5.22	1.20
1014	6	-10	0	19.63	2.49	-12.71	11.49	-1.39	-12.59	1.13	4.96	1.46
1043	6	-10	0	19.61	2.45	-12.96	11.49	-1.49	-13.16	1.59	4.95	1.47
1042	6	-10	5	19.61	3.13	-10.52	11.49	-0.73	-10.66	-2.01	4.69	1.73
1018	6	-10	10	19.62	5.23	-4.51	11.49	-1.21	-7.30	-9.78	4.26	2.16
1022	6	-10	15	19.63	11.57	11.67	11.49	-5.35	-1.59	-26.20	3.53	2.89
1036	6	-10	15	19.62	10.45	10.10	11.49	-5.06	-2.03	-25.07	3.56	2.86
940	6	0	-15	19.70	2.11	-12.77	11.49	-7.00	-15.51	1.46	5.26	1.22
936	6	0	-10	19.67	1.88	-12.35	11.49	-5.40	-16.13	0.77	5.30	1.18
932	6	0	-5	19.69	1.83	-11.87	11.49	-3.74	-16.45	0.10	5.33	1.15
915	6	0	0	19.68	1.88	-11.31	11.49	-1.93	-16.44	-0.51	5.31	1.17
916	6	0	0	19.68	1.84	-11.36	11.49	-2.00	-16.60	-0.54	5.32	1.16
920	6	0	5	19.69	1.92	-10.97	11.49	-0.27	-16.26	-1.09	5.33	1.15
924	6	0	10	19.69	2.18	-10.61	11.49	1.37	-15.80	-1.69	5.28	1.20
928	6	0	15	19.69	2.56	-10.10	11.49	2.77	-14.75	-2.61	5.26	1.22
981	6	10	-15	19.67	4.82	-16.72	11.49	-4.76	-8.39	7.14	4.44	1.98
977	6	10	-10	19.67	3.05	-12.29	11.49	-5.09	-11.05	1.18	4.75	1.67
973	6	10	-5	19.68	2.21	-10.65	11.49	-4.30	-13.48	-1.38	5.08	1.34
957	6	10	0	19.62	2.05	-10.45	11.49	-3.14	-15.77	-1.94	5.27	1.15
961	6	10	5	19.68	2.00	-10.41	11.49	-1.71	-16.54	-2.17	5.41	1.01
965	6	10	10	19.67	2.03	-10.21	11.49	-0.16	-17.11	-2.42	5.49	0.93
969	6	10	15	19.67	2.09	-10.06	11.49	1.41	-17.39	-2.65	5.55	0.87
1005	6	20	-15	19.69	11.10	-34.00	11.49	0.67	-4.62	18.02	3.36	2.87
1001	6	20	-10	19.69	4.95	-17.10	11.49	-3.37	-7.70	6.68	4.18	2.05
997	6	20	-5	19.68	3.05	-10.12	11.49	-4.18	-9.94	-1.08	4.67	1.56
985	6	20	0	19.68	2.60	-7.32	11.49	-3.94	-12.55	-5.08	5.03	1.20
989	6	20	5	19.68	2.11	-8.95	11.49	-2.36	-15.72	-3.61	5.54	0.69
993	6	20	10	19.68	2.10	-9.31	11.49	-0.85	-16.91	-3.29	5.78	0.45
1010	6	20	10	19.61	2.04	-9.52	11.49	-0.98	-16.87	-3.17	5.78	0.45
1009	6	20	15	19.62	2.16	-9.65	11.49	0.71	-17.68	-2.94	5.91	0.32

* Indicates model was close to heave stop

TABLE A1.120.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2471	0	-10	-15	0	0.06	-0.08	11.49	-0.18	-3.26	0.00	2.54	1.55
2462	0	-10	-10	0	0.02	-0.06	11.49	0.10	-3.24	0.02	2.51	1.58
2458	0	-10	-5	0	0.04	-0.05	11.49	0.39	-3.18	-0.02	2.50	1.59
2427	0	-10	0	0	-0.12	-0.08	11.49	0.59	-2.79	-0.03	2.79	1.30
2431	0	-10	5	0	-0.02	-0.04	11.49	0.90	-3.04	0.06	2.68	1.41
2435	0	-10	10	0	-0.02	-0.04	11.49	1.18	-2.97	0.03	2.67	1.42
2454	0	-10	15	0	0.01	-0.09	11.49	1.40	-2.79	-0.02	2.51	1.58
2348	0	0	-15	0	0.04	-0.07	11.49	-0.86	-3.34	0.01	2.62	1.53
2344	0	0	-10	0	0.05	-0.08	11.49	-0.56	-3.32	0.02	2.63	1.52
2340	0	0	-5	0	0.05	-0.09	11.49	-0.25	-3.32	0.05	2.61	1.54
2315	0	0	0	0	0.03	-0.04	11.49	0.05	-3.25	0.01	2.61	1.54
2329	0	0	5	0	0.04	-0.04	11.49	0.32	-3.24	0.02	2.65	1.50
2336	0	0	10	0	0.03	-0.06	11.49	0.61	-3.20	0.02	2.68	1.47
2395	0	10	-10	0	0.10	-0.16	11.49	-1.24	-3.38	0.05	2.55	1.54
2390	0	10	-5	0	0.06	-0.11	11.49	-0.92	-3.33	0.04	2.59	1.50
2373	0	10	0	0	-0.05	-0.07	11.49	-0.53	-2.98	0.05	2.75	1.34
2378	0	10	5	0	0.07	-0.10	11.49	-0.29	-3.31	0.04	2.60	1.49
2382	0	10	10	0	0.07	-0.06	11.49	0.05	-3.37	0.02	2.57	1.52
2386	0	10	15	0	0.07	-0.08	11.49	0.27	-3.36	0.04	2.59	1.50
2422	0	20	-15	0	0.07	-0.05	11.49	-1.60	-3.20	0.00	2.66	1.24
2419	0	20	-10	0	0.08	-0.09	11.49	-1.30	-3.24	0.02	2.68	1.22
2415	0	20	-5	0	0.06	-0.10	11.49	-1.02	-3.29	0.02	2.69	1.21
2399	0	20	0	0	0.03	-0.05	11.49	-0.69	-3.23	0.06	2.74	1.16
2403	0	20	0	0	0.07	-0.09	11.49	-0.73	-3.31	0.04	2.71	1.19
2407	0	20	10	0	0.06	-0.07	11.49	-0.12	-3.35	0.02	2.72	1.18
2411	0	20	15	0	0.05	-0.09	11.49	0.17	-3.40	0.04	2.69	1.21
2599	3	-10	-15	0	-0.02	-0.01	11.49	-1.82	-8.85	0.02	2.78	2.48
2595	3	-10	-10	0	0.00	-0.02	11.49	-1.04	-8.90	0.01	2.77	2.49
2590	3	-10	-5	0	0.10	-0.02	11.49	-0.34	-8.75	-0.02	2.75	2.51
2585	3	-10	0	0	0.01	-0.01	11.49	0.53	-8.90	0.04	2.76	2.50
2603	3	-10	5	0	0.02	0.02	11.49	1.33	-8.82	0.02	2.77	2.49
2607	3	-10	10	0	0.02	0.01	11.49	2.09	-8.74	0.02	2.77	2.49
2611	3	-10	15	0	0.02	0.00	11.49	2.85	-8.53	0.02	2.78	2.48
2501	3	0	-15	0	-0.01	0.01	11.49	-2.30	-9.00	0.01	2.79	2.53
2497	3	0	-10	0	0.02	-0.01	11.49	-1.51	-9.13	0.02	2.78	2.54
2493	3	0	-5	0	0.01	0.03	11.49	-0.72	-9.26	0.02	2.78	2.54
2477	3	0	0	0	0.02	-0.03	11.49	0.06	-9.23	0.03	2.79	2.53
2481	3	0	5	0	0.06	-0.03	11.49	0.91	-9.21	0.04	2.77	2.55
2485	3	0	10	0	0.05	-0.01	11.49	1.71	-9.07	0.04	2.78	2.54
2489	3	0	15	0	0.05	-0.01	11.49	2.48	-8.89	0.04	2.78	2.54

* Indicates model was close to heave stop

TABLE A1.120.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2535	3	10	-15	0	0.02	0.01	11.49	-2.64	-8.58	-0.02	2.77	2.49
2519	3	10	-10	0	0.02	0.02	11.49	-1.89	-8.83	0.01	2.80	2.46
2515	3	10	-5	0	0.05	0.00	11.49	-1.13	-8.89	0.02	2.80	2.46
2507	3	10	0	0	0.04	0.03	11.49	-0.34	-8.97	0.02	2.78	2.48
2511	3	10	5	0	0.06	0.02	11.49	0.46	-8.95	0.04	2.80	2.46
2540	3	10	10	0	0.02	0.06	11.49	1.28	-9.09	0.01	2.74	2.52
2545	3	10	15	0	0.06	0.03	11.49	2.03	-8.85	0.03	2.76	2.50
2578	3	20	-15	0	0.00	0.00	11.49	-2.78	-8.16	0.02	2.78	2.29
2574	3	20	-10	0	0.03	0.02	11.49	-2.02	-8.30	0.02	2.79	2.28
2570	3	20	-5	0	0.04	-0.01	11.49	-1.31	-8.48	0.03	2.80	2.27
2566	3	20	0	0	0.00	0.04	11.49	-0.54	-8.55	0.03	2.80	2.27
2561	3	20	5	0	0.05	0.03	11.49	0.19	-8.52	0.03	2.80	2.27
2556	3	20	10	0	0.05	0.02	11.49	0.91	-8.47	0.04	2.79	2.28
2552	3	20	15	0	0.03	0.07	11.49	1.69	-8.39	0.01	2.78	2.29
3309	6	-10	-15	0	-0.05	0.01	11.49	-2.77	-11.97	0.03	3.27	3.15
3305	6	-10	-10	0	-0.05	0.02	11.49	-1.73	-12.13	0.05	3.28	3.14
3301	6	-10	-5	0	-0.01	-0.01	11.49	-0.69	-12.35	0.01	3.24	3.18
3284	6	-10	0	0	0.01	0.06	11.49	0.39	-11.94	0.03	3.26	3.16
3288	6	-10	5	0	-0.04	0.03	11.49	1.47	-12.14	0.05	3.22	3.20
3293	6	-10	10	0	-0.01	0.04	11.49	2.55	-11.99	0.03	3.23	3.19
3297	6	-10	15	0	0.02	0.09	11.49	3.61	-11.74	0.05	3.25	3.17
2658	6	0	-15	0	-0.02	0.00	11.49	-3.10	-11.97	0.10	3.18	3.30
2654	6	0	-10	0	-0.01	0.04	11.49	-1.99	-12.26	0.02	3.18	3.30
2650	6	0	-5	0	-0.00	0.02	11.49	-0.96	-12.27	0.08	3.17	3.31
2615	6	0	0	0	0.02	0.03	11.49	0.13	-12.35	0.02	3.20	3.28
2620	6	0	5	0	0.00	0.03	11.49	1.23	-12.38	0.05	3.19	3.29
2642	6	0	10	0	0.11	0.05	11.49	2.20	-11.85	0.05	3.17	3.31
2646	6	0	15	0	0.03	0.07	11.49	3.32	-11.86	0.05	3.16	3.32
2688	6	10	-15	0	-0.02	0.03	11.49	-3.30	-11.64	0.09	3.24	3.18
2683	6	10	-10	0	-0.00	0.02	11.49	-2.28	-11.95	0.06	3.23	3.19
2679	6	10	-5	0	-0.00	0.03	11.49	-1.22	-12.04	0.07	3.23	3.19
2663	6	10	0	0	0.01	0.16	11.49	-0.09	-12.18	0.10	3.18	3.24
2667	6	10	5	0	0.02	0.05	11.49	0.93	-12.20	0.02	3.21	3.21
2671	6	10	10	0	0.00	0.02	11.49	1.92	-12.01	0.12	3.22	3.20
2675	6	10	15	0	0.02	0.03	11.49	2.95	-11.80	0.11	3.21	3.21
2701	6	20	-15	0	0.00	0.02	11.49	-3.34	-11.06	0.01	3.09	3.14
2705	6	20	-5	0	0.01	0.04	11.49	-1.34	-11.51	0.03	3.09	3.14
2695	6	20	0	0	-0.02	0.02	11.49	-0.38	-11.47	0.03	3.26	2.97
2709	6	20	0	0	0.03	0.04	11.49	-0.37	-11.58	0.04	3.09	3.14
2713	6	20	5	0	0.05	0.06	11.49	0.67	-11.59	0.03	3.10	3.13
2717	6	20	10	0	0.04	0.06	11.49	1.68	-11.42	0.02	3.10	3.13
2735	6	20	10	0	0.01	0.02	11.49	1.59	-11.43	0.07	3.20	3.03
2738	6	20	15	0	0.02	0.00	11.49	2.60	-11.28	0.09	3.16	3.07

* Indicates model was close to heave stop

TABLE A1.121.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2472	0	-10	-15	7.34	2.60	-5.93	11.49	0.74	2.52	-3.07	2.07	2.02
2463	0	-10	-10	7.36	1.90	-4.89	11.49	0.36	1.94	-2.26	2.18	1.91
2459	0	-10	-5	7.36	1.56	-4.13	11.49	0.16	1.66	-1.54	2.25	1.84
2428	0	-10	0	7.36	0.91	-3.60	11.49	-0.12	1.11	-0.73	2.62	1.47
2432	0	-10	5	7.36	1.42	-2.98	11.49	-0.38	1.75	-0.35	2.35	1.74
2436	0	-10	10	7.36	2.07	-1.56	11.49	-1.33	2.91	0.32	2.08	2.01
2455 *	0	-10	15	7.35	4.09	1.60	11.49	-3.49	4.95	1.96	1.39	2.70
2349	0	0	-15	7.37	3.27	-7.19	11.49	0.77	0.51	-5.18	1.86	2.29
2345	0	0	-10	7.37	2.02	-5.02	11.49	0.06	0.67	-2.49	2.20	1.95
2341	0	0	-5	7.37	1.61	-4.18	11.49	-0.23	0.93	-1.32	2.31	1.84
2316	0	0	0	7.51	1.41	-3.77	11.49	-0.52	1.50	-0.56	2.37	1.78
2318	0	0	0	7.35	1.38	-3.59	11.49	-0.45	1.45	-0.59	2.37	1.78
2330	0	0	5	7.36	1.46	-3.23	11.49	-0.76	1.78	-0.11	2.36	1.79
2335	0	0	10	7.36	1.82	-2.65	11.49	-1.23	2.43	0.51	2.24	1.91
2396	0	10	-10	7.38	2.40	-6.20	11.49	-0.36	-0.37	-3.59	2.02	2.07
2391	0	10	-5	7.37	1.63	-4.43	11.49	-0.86	0.15	-1.74	2.27	1.82
2374	0	10	0	7.37	1.07	-3.62	11.49	-1.00	0.42	-0.57	2.56	1.53
2379	0	10	5	7.36	1.45	-3.16	11.49	-1.19	1.48	-0.11	2.37	1.72
2383	0	10	10	7.36	1.79	-2.49	11.49	-1.49	2.48	0.52	2.28	1.81
2387	0	10	15	7.36	2.35	-1.59	11.49	-2.04	3.37	1.23	2.17	1.92
2423 *	0	20	-15	7.36	5.01	-12.00	11.49	0.58	-1.93	-9.76	1.51	2.39
2420	0	20	-10	7.36	2.48	-7.22	11.49	-0.52	-1.33	-4.72	2.09	1.81
2416	0	20	-5	7.36	1.59	-4.68	11.49	-1.06	-0.87	-2.33	2.37	1.53
2400	0	20	0	7.36	1.17	-3.48	11.49	-1.18	-0.37	-1.10	2.55	1.35
2404	0	20	5	7.36	1.38	-2.84	11.49	-1.38	0.24	-0.53	2.49	1.41
2408	0	20	10	7.37	1.69	-1.81	11.49	-1.54	0.91	0.06	2.48	1.42
2412	0	20	15	7.36	2.31	-0.73	11.49	-1.89	2.03	0.76	2.44	1.46
2600	3	-10	-15	7.36	2.01	-5.62	11.49	-0.79	-1.94	0.22	2.65	2.61
2596	3	-10	-10	7.36	1.52	-4.53	11.49	-0.75	-3.60	-0.45	2.71	2.55
2591	3	-10	-5	7.36	1.39	-3.80	11.49	-0.55	-3.94	-0.77	2.71	2.55
2586	3	-10	0	7.35	1.20	-3.17	11.49	-0.15	-4.34	-0.87	2.66	2.60
2604	3	-10	5	7.35	1.47	-2.19	11.49	0.20	-3.89	-1.26	2.58	2.68
2608	3	-10	10	7.35	2.01	-0.85	11.49	-0.07	-2.94	-1.86	2.39	2.87
2612	3	-10	15	7.35	3.58	2.17	11.49	-1.36	-0.98	-2.98	2.01	3.25
2502	3	0	-15	7.35	1.88	-5.04	11.49	-1.61	-3.83	0.02	2.60	2.72
2498	3	0	-10	7.35	1.51	-4.29	11.49	-1.41	-4.58	-0.10	2.71	2.61
2494	3	0	-5	7.35	1.28	-3.62	11.49	-1.00	-4.91	-0.29	2.77	2.55
2478	3	0	0	7.34	1.19	-3.14	11.49	-0.58	-4.79	-0.53	2.78	2.54
2482	3	0	5	7.34	1.43	-2.48	11.49	-0.12	-4.26	-0.91	2.69	2.63
2486	3	0	10	7.35	1.80	-1.53	11.49	-0.01	-3.26	-1.47	2.56	2.76
2490	3	0	15	7.35	2.66	0.03	11.49	-0.52	-1.45	-2.27	2.32	3.00

* Indicates model was close to heave stop

TABLE A1.121.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2536	3	10	-15	7.34	2.26	-6.15	11.49	-1.65	-5.25	-0.54	2.39	2.87
2520	3	10	-10	7.35	1.62	-4.52	11.49	-1.71	-5.49	-0.43	2.63	2.63
2516	3	10	-5	7.35	1.38	-3.58	11.49	-1.43	-5.45	-0.33	2.74	2.52
2508	3	10	0	7.35	1.30	-2.92	11.49	-0.95	-5.19	-0.46	2.76	2.50
2512	3	10	5	7.35	1.42	-2.26	11.49	-0.49	-4.69	-0.71	2.80	2.46
2541	3	10	10	7.35	1.73	-1.41	11.49	-0.13	-4.10	-1.21	2.70	2.56
2546	3	10	15	7.35	2.36	-0.44	11.49	-0.10	-2.51	-1.93	2.63	2.63
2579	3	20	-15	7.36	3.02	-8.34	11.49	-1.29	-5.56	-1.50	2.23	2.84
2575	3	20	-10	7.35	1.77	-5.12	11.49	-1.69	-5.69	-0.90	2.55	2.52
2571	3	20	-5	7.35	1.44	-3.69	11.49	-1.61	-5.59	-0.66	2.71	2.36
2567	3	20	0	7.35	1.41	-2.79	11.49	-1.22	-5.28	-0.71	2.76	2.31
2562	3	20	5	7.35	1.58	-1.69	11.49	-0.91	-4.93	-1.01	2.79	2.28
2557	3	20	10	7.35	1.95	-0.74	11.49	-0.55	-4.51	-1.39	2.82	2.25
2558	3	20	10	7.35	1.95	-0.72	11.49	-0.50	-4.53	-1.42	2.81	2.26
2553	3	20	15	7.35	2.38	0.00	11.49	-0.02	-4.00	-1.90	2.90	2.17
3310	6	-10	-15	7.34	2.16	-5.84	11.49	-1.96	-6.77	2.14	3.45	2.97
3306	6	-10	-10	7.33	1.74	-4.93	11.49	-1.49	-7.74	1.06	3.46	2.96
3302	6	-10	-5	7.33	1.60	-3.88	11.49	-0.91	-8.47	-0.22	3.39	3.03
3285	6	-10	0	7.34	1.67	-2.88	11.49	-0.27	-8.48	-1.15	3.29	3.13
3289	6	-10	5	7.34	1.81	-1.76	11.49	0.41	-8.14	-2.15	3.22	3.20
3294	6	-10	10	7.33	2.45	0.01	11.49	0.64	-7.42	-3.77	3.05	3.37
3298	6	-10	15	7.33	3.70	2.78	11.49	0.39	-6.36	-5.98	2.76	3.66
2659	6	0	-15	7.36	2.10	-5.29	11.49	-2.45	-7.67	2.08	3.26	3.22
2655	6	0	-10	7.35	1.72	-4.38	11.49	-1.89	-8.33	1.05	3.33	3.15
2651	6	0	-5	7.36	1.48	-3.48	11.49	-1.21	-8.62	0.06	3.38	3.10
2616	6	0	0	7.35	1.50	-2.72	11.49	-0.55	-8.78	-0.94	3.36	3.12
2621	6	0	5	7.35	1.66	-1.87	11.49	0.19	-8.21	-1.91	3.32	3.16
2643	6	0	10	7.35	2.06	-0.84	11.49	0.68	-7.47	-3.03	3.19	3.29
2647	6	0	15	7.35	2.97	0.82	11.49	0.89	-6.52	-4.84	3.05	3.43
2689	6	10	-15	7.35	2.28	-5.56	11.49	-2.71	-8.57	2.01	3.19	3.23
2684	6	10	-10	7.35	1.82	-4.16	11.49	-2.29	-8.93	0.87	3.33	3.09
2680	6	10	-5	7.35	1.65	-3.19	11.49	-1.54	-8.93	0.04	3.40	3.02
2664	6	10	0	7.35	1.66	-2.18	11.49	-0.76	-8.88	-0.82	3.40	3.02
2668	6	10	5	7.35	1.84	-1.36	11.49	-0.14	-8.52	-1.93	3.43	2.99
2672	6	10	10	7.36	2.13	-0.62	11.49	0.49	-7.66	-2.80	3.43	2.99
2676	6	10	15	7.36	2.56	-0.07	11.49	1.08	-7.12	-3.60	3.46	2.96
2702	6	20	-15	7.36	2.57	-6.45	11.49	-2.52	-8.68	1.75	2.93	3.30
2696	6	20	-10	7.35	1.81	-4.53	11.49	-2.34	-8.93	0.71	3.26	2.97
2697	6	20	-10	7.35	1.89	-4.56	11.49	-2.33	-8.94	0.70	3.23	3.00
2706	6	20	-5	7.35	1.66	-3.22	11.49	-1.79	-9.07	-0.13	3.19	3.04
2710	6	20	0	7.35	1.67	-1.85	11.49	-1.17	-8.95	-1.17	3.27	2.96
2714	6	20	5	7.35	1.94	-0.51	11.49	-0.55	-8.66	-2.33	3.36	2.87
2718	6	20	10	7.35	2.30	0.17	11.49	0.23	-7.99	-3.17	3.42	2.81
2739	6	20	15	7.35	2.62	0.22	11.49	1.01	-7.77	-3.36	3.67	2.56

* Indicates model was close to heave stop

TABLE A1.123.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2473		0	-10	-15	14.71	6.49	-19.12	11.49	1.10	15.73	-5.57	2.70	1.39
2464		0	-10	-10	14.75	6.23	-18.22	11.49	0.04	14.18	-5.19	2.37	1.72
2470		0	-10	-10	14.72	6.13	-18.15	11.49	-0.06	14.00	-5.13	2.41	1.68
2460		0	-10	-5	14.74	4.97	-16.36	11.49	-1.29	9.37	-4.24	2.32	1.77
2429		0	-10	0	14.74	3.79	-14.01	11.49	-1.91	6.25	-3.47	2.59	1.50
2433		0	-10	5	14.74	6.20	-9.38	11.49	-3.47	9.40	-5.36	2.06	2.03
2437	*	0	-10	10	14.75	11.08	3.30	11.49	-7.09	12.67	-4.40	1.38	2.71
2457	*	0	-10	15	14.73	16.16	14.09	11.49	-12.62	17.11	-3.33	1.26	2.83
2350	*	0	0	-15	14.76	14.95	-35.07	11.49	2.16	4.12	-20.28	1.52	2.63
2346		0	0	-10	14.75	8.06	-21.65	11.49	-0.17	6.00	-7.35	2.05	2.10
2342		0	0	-5	14.75	5.17	-16.37	11.49	-1.72	4.85	-2.32	2.44	1.71
2319		0	0	0	15.01	4.15	-14.34	11.49	-2.20	5.01	-1.70	2.53	1.62
2320		0	0	0	14.72	3.97	-13.86	11.49	-2.16	4.77	-1.62	2.54	1.61
2331		0	0	5	14.74	5.16	-11.15	11.49	-3.17	8.13	-2.67	2.28	1.87
2332		0	0	5	14.76	5.17	-11.19	11.49	-3.16	8.10	-2.69	2.28	1.87
2337	*	0	0	10	14.75	10.34	0.72	11.49	-6.12	11.66	-6.35	1.42	2.73
2338	*	0	0	10	14.76	10.45	0.68	11.49	-6.12	11.88	-6.44	1.42	2.73
2397	*	0	10	-10	14.79	11.18	-30.78	11.49	-0.22	-3.88	-19.94	1.51	2.58
2392		0	10	-5	14.75	5.47	-17.36	11.49	-1.98	-0.69	-4.09	2.31	1.78
2375		0	10	0	14.76	4.06	-13.90	11.49	-2.38	1.66	-0.75	2.56	1.53
2380		0	10	5	14.74	4.45	-11.89	11.49	-2.88	5.80	-0.08	2.51	1.58
2384		0	10	10	14.76	5.56	-9.11	11.49	-3.80	9.51	-0.98	2.51	1.58
2388		0	10	15	14.75	5.24	-9.33	11.49	-3.37	8.77	0.01	2.94	1.15
2421	*	0	20	-10	14.75	12.03	-34.65	11.49	0.27	-5.15	-26.70	1.53	2.37
2417		0	20	-5	14.73	5.55	-19.00	11.49	-2.00	-3.89	-8.05	2.35	1.55
2401		0	20	0	14.73	4.19	-14.07	11.49	-2.63	-0.95	-2.08	2.60	1.30
2405		0	20	5	14.74	4.15	-10.86	11.49	-2.92	0.93	-0.16	2.81	1.09
2409		0	20	10	14.73	3.93	-9.86	11.49	-2.63	1.78	-0.89	3.19	0.71
2413		0	20	15	14.74	3.66	-9.96	11.49	-2.54	-0.67	-1.69	3.72	0.18
2601		3	-10	-15	14.72	2.31	-16.17	11.49	-3.61	-4.80	1.37	3.81	1.45
2597		3	-10	-10	14.72	2.36	-15.83	11.49	-2.27	-1.34	0.34	3.51	1.75
2592		3	-10	-5	14.74	2.36	-15.39	11.49	-1.67	0.28	-0.17	3.24	2.02
2587		3	-10	0	14.74	2.54	-12.89	11.49	-1.64	-0.86	-2.52	3.13	2.13
2605		3	-10	5	14.72	3.67	-8.67	11.49	-2.13	0.52	-5.90	2.86	2.40
2609		3	-10	10	14.72	6.87	-0.83	11.49	-4.23	4.67	-11.29	2.39	2.87
2613	*	3	-10	15	14.75	16.22	17.78	11.49	-11.16	15.64	-15.06	1.28	3.98
2503		3	0	-15	14.72	4.10	-17.53	11.49	-3.03	-0.62	1.64	3.12	2.20
2499		3	0	-10	14.72	3.04	-15.43	11.49	-3.00	-1.64	0.54	3.18	2.14
2495		3	0	-5	14.72	2.45	-14.18	11.49	-2.58	-2.12	-0.11	3.21	2.11
2479		3	0	0	14.71	2.28	-12.93	11.49	-2.07	-2.24	-1.21	3.23	2.09
2483		3	0	5	14.71	2.87	-11.02	11.49	-1.74	-1.77	-3.05	3.23	2.09
2487		3	0	10	14.74	4.14	-7.78	11.49	-1.98	0.03	-6.16	3.12	2.20
2491		3	0	15	14.72	7.04	-1.97	11.49	-3.63	3.86	-11.14	2.86	2.46

* Indicates model was close to heave stop

TABLE A1.123.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2537	3	10	-15	14.71	8.40	-27.50	11.49	-1.15	-2.86	-2.75	2.21	3.05
2521	3	10	-10	14.72	4.13	-17.11	11.49	-3.07	-4.14	-0.02	2.84	2.42
2517	3	10	-5	14.74	2.99	-13.87	11.49	-3.07	-4.54	0.10	3.15	2.11
2509	3	10	0	14.72	2.46	-11.91	11.49	-2.52	-4.30	-1.16	3.36	1.90
2513	3	10	5	14.72	2.33	-11.39	11.49	-1.49	-5.84	-1.73	3.64	1.62
2542	3	10	10	14.72	2.27	-10.86	11.49	0.01	-9.42	-2.76	3.90	1.36
2547	3	10	15	14.72	2.31	-10.78	11.49	1.55	-12.25	-3.64	4.17	1.09
2580	3	20	-15	14.73	11.78	-38.59	11.49	0.47	-6.80	-12.95	1.83	3.24
2576	3	20	-10	14.72	4.66	-19.42	11.49	-2.52	-5.63	-2.33	2.73	2.34
2572	3	20	-5	14.73	3.17	-14.21	11.49	-3.25	-5.56	-0.69	3.15	1.92
2568	3	20	0	14.75	2.67	-11.27	11.49	-2.94	-6.38	-1.62	3.47	1.60
2563	3	20	5	14.73	2.21	-9.83	11.49	-2.11	-8.00	-3.14	3.87	1.20
2564	3	20	5	14.74	2.18	-9.80	11.49	-2.12	-8.01	-3.16	3.87	1.20
2559	3	20	10	14.72	2.21	-9.87	11.49	-1.00	-11.00	-4.00	4.28	0.79
2554	3	20	15	14.72	2.19	-10.40	11.49	0.32	-13.18	-3.99	4.61	0.46
3311	6	-10	-15	14.70	2.17	-15.92	11.49	-5.80	-13.72	2.86	5.14	1.28
3307	6	-10	-10	14.70	2.08	-15.67	11.49	-4.05	-11.86	2.21	4.89	1.53
3303	6	-10	-5	14.70	2.02	-15.16	11.49	-2.45	-9.62	1.46	4.60	1.82
3286	6	-10	0	14.71	2.32	-13.41	11.49	-1.65	-8.74	-1.29	4.27	2.15
3291	6	-10	5	14.69	3.11	-10.07	11.49	-1.23	-7.79	-5.18	4.07	2.35
3295	6	-10	10	14.69	5.01	-3.84	11.49	-1.84	-5.62	-11.87	3.69	2.73
3299	6	-10	15	14.69	9.99	8.38	11.49	-4.68	-1.00	-21.68	2.98	3.44
2660	6	0	-15	14.75	2.05	-14.59	11.49	-5.65	-10.81	1.13	4.68	1.80
2656	6	0	-10	14.73	1.60	-14.05	11.49	-4.41	-11.34	0.38	4.77	1.71
2652	6	0	-5	14.73	1.60	-13.67	11.49	-3.09	-11.84	-0.03	4.78	1.70
2617	6	0	0	14.72	1.82	-13.33	11.49	-1.74	-11.78	-0.43	4.68	1.80
2618	6	0	0	14.74	1.68	-13.34	11.49	-1.75	-11.91	-0.41	4.76	1.72
2622	6	0	5	14.73	1.85	-12.75	11.49	-0.45	-12.03	-1.32	4.77	1.71
2644	6	0	10	14.72	2.29	-11.68	11.49	0.72	-11.81	-2.86	4.71	1.77
2648	6	0	15	14.73	3.15	-10.19	11.49	1.56	-10.94	-5.18	4.63	1.85
2690	6	10	-15	14.73	3.37	-16.37	11.49	-4.53	-8.02	3.20	4.10	2.32
2685	6	10	-10	14.74	2.29	-13.19	11.49	-4.48	-9.34	-0.23	4.36	2.06
2681	6	10	-5	14.71	2.01	-11.48	11.49	-3.74	-10.88	-2.28	4.55	1.87
2665	6	10	0	14.72	1.77	-11.79	11.49	-2.41	-13.23	-2.28	4.90	1.52
2669	6	10	5	14.74	1.98	-11.49	11.49	-0.85	-15.45	-3.04	5.15	1.27
2673	6	10	10	14.76	2.10	-11.53	11.49	0.61	-16.13	-3.24	5.34	1.08
2677	6	10	15	14.72	2.28	-11.32	11.49	2.30	-16.87	-3.60	5.39	1.03
2703	6	20	-15	14.74	6.10	-23.58	11.49	-2.83	-8.31	5.40	3.18	3.05
2698	6	20	-10	14.72	3.26	-15.15	11.49	-4.12	-8.75	0.95	3.91	2.32
2707	6	20	-5	14.74	2.41	-11.13	11.49	-3.96	-9.80	-2.39	4.12	2.11
2711	6	20	0	14.74	2.17	-8.82	11.49	-3.38	-12.01	-5.39	4.56	1.67
2715	6	20	5	14.72	2.19	-9.89	11.49	-1.84	-14.95	-4.71	5.07	1.16
2719	6	20	10	14.74	2.20	-10.45	11.49	-0.45	-15.91	-4.43	5.40	0.83
2740	6	20	15	14.74	2.36	-10.74	11.49	1.09	-16.72	-4.28	5.66	0.57

* Indicates model was close to heave stop

TABLE A1.124.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2352		0	0	-15	19.19	23.68	-56.01	11.49	4.42	9.71	-35.29	1.55	2.60
2376		0	10	0	19.15	6.41	-22.93	11.49	-3.69	4.13	-1.14	2.53	1.56
2474		0	-10	-15	19.67	6.90	-30.69	11.49	-0.35	20.56	-6.53	3.09	1.00
2468		0	-10	-10	19.68	9.25	-30.23	11.49	-0.22	26.89	-10.02	2.49	1.60
2469		0	-10	-10	19.66	9.38	-30.27	11.49	-0.21	27.06	-10.06	2.47	1.62
2461		0	-10	-5	19.68	7.66	-28.27	11.49	-2.40	22.02	-7.24	2.33	1.76
2430		0	-10	0	19.68	5.90	-25.61	11.49	-3.74	13.43	-5.19	2.55	1.54
2434		0	-10	5	19.69	11.64	-14.18	11.49	-6.24	16.67	-11.41	1.72	2.37
2347		0	0	-10	19.61	12.28	-35.62	11.49	-0.09	13.91	-12.42	2.14	2.01
2343		0	0	-5	19.59	8.29	-27.90	11.49	-2.91	12.77	-4.26	2.41	1.74
2322		0	0	0	19.44	5.86	-24.32	11.49	-3.61	10.90	-2.33	2.52	1.63
2323		0	0	0	19.76	5.87	-25.01	11.49	-3.64	11.30	-2.34	2.52	1.63
2324		0	0	0	19.63	5.65	-24.67	11.49	-3.71	11.00	-2.26	2.57	1.58
2326		0	0	0	19.61	5.84	-24.64	11.49	-3.71	11.05	-2.36	2.53	1.62
2327		0	0	0	19.51	6.03	-24.49	11.49	-3.65	11.02	-2.34	2.52	1.63
2328		0	0	0	19.58	5.77	-24.77	11.49	-3.73	11.04	-2.27	2.59	1.56
2333		0	0	5	19.57	8.22	-19.48	11.49	-5.47	15.46	-5.96	2.28	1.87
2339	*	0	0	10	19.60	16.01	-1.51	11.49	-9.65	20.17	-11.30	1.44	2.71
2394		0	10	-5	19.57	9.17	-30.35	11.49	-2.97	2.03	-8.72	2.20	1.89
2377		0	10	0	19.59	6.55	-24.02	11.49	-3.94	4.53	-1.11	2.52	1.57
2381		0	10	5	19.57	6.92	-21.13	11.49	-4.65	11.59	-0.49	2.53	1.56
2385		0	10	10	19.59	6.20	-19.72	11.49	-4.82	12.43	-0.12	2.95	1.14
2389		0	10	15	19.58	4.89	-19.54	11.49	-3.49	5.34	-0.61	3.41	0.68
2418		0	20	-5	19.69	9.64	-34.40	11.49	-2.76	-4.96	-17.56	2.24	1.66
2402		0	20	0	19.57	6.79	-24.11	11.49	-4.08	0.12	-4.27	2.57	1.33
2406		0	20	5	19.57	6.06	-18.84	11.49	-4.50	1.30	-0.38	2.91	0.99
2410		0	20	10	19.68	4.55	-19.76	11.49	-4.51	-0.35	-1.44	3.62	0.28
2414		0	20	15	19.70	2.92	-21.28	11.49	-3.85	-5.34	-1.78	4.17	-0.27
2602		3	-10	-15	19.63	2.23	-27.58	11.49	-6.93	-10.99	3.02	4.11	1.15
2598		3	-10	-10	19.64	2.38	-27.05	11.49	-4.64	-5.09	1.39	3.82	1.44
2593		3	-10	-5	19.64	2.74	-26.49	11.49	-3.19	1.62	-0.17	3.44	1.82
2588		3	-10	0	19.67	3.11	-23.32	11.49	-3.13	1.82	-3.55	3.26	2.00
2606		3	-10	5	19.66	5.26	-15.76	11.49	-4.26	4.66	-10.13	2.96	2.30
2610		3	-10	10	19.64	10.46	-2.66	11.49	-8.12	11.91	-19.19	2.43	2.83
2504		3	0	-15	19.61	5.33	-28.90	11.49	-5.14	0.14	1.91	3.30	2.02
2500		3	0	-10	19.60	3.82	-25.60	11.49	-5.01	-0.81	-0.33	3.37	1.95
2496		3	0	-5	19.58	3.02	-24.33	11.49	-4.31	-0.53	-0.66	3.35	1.97
2480		3	0	0	19.65	2.73	-23.40	11.49	-3.57	-1.79	-1.33	3.38	1.94
2484		3	0	5	19.64	3.44	-20.71	11.49	-3.01	-2.43	-4.07	3.47	1.85
2488		3	0	10	19.65	5.04	-16.82	11.49	-3.02	-0.69	-8.12	3.40	1.92
2492		3	0	15	19.63	8.25	-10.08	11.49	-4.59	3.47	-15.02	3.25	2.07

* Indicates model was close to heave stop

TABLE A1.124.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

10 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2538	3	10	-15	19.64	13.73	-49.04	11.49	-0.73	0.81	-5.76	2.19	3.07
2522	3	10	-10	19.62	6.36	-29.36	11.49	-4.29	-1.38	-2.34	2.81	2.45
2518	3	10	-5	19.64	4.28	-22.86	11.49	-4.89	-2.77	-1.74	3.25	2.01
2510	3	10	0	19.65	2.62	-21.79	11.49	-4.06	-6.59	-1.67	3.66	1.60
2514	3	10	5	19.60	2.08	-21.03	11.49	-2.43	-12.74	-3.25	4.07	1.19
2543	3	10	10	19.67	2.05	-21.01	11.49	-0.88	-15.78	-3.97	4.23	1.03
2544	3	10	10	19.64	1.96	-21.07	11.49	-0.98	-15.44	-3.78	4.25	1.01
2548	3	10	15	19.66	2.20	-21.04	11.49	0.64	-16.76	-4.04	4.35	0.91
2549	3	10	15	19.68	2.19	-21.13	11.49	0.63	-16.81	-4.10	4.35	0.91
2577	3	20	-10	19.63	7.19	-34.42	11.49	-3.18	-4.56	-5.72	2.73	2.34
2573	3	20	-5	19.61	4.51	-23.77	11.49	-5.07	-4.69	-2.80	3.23	1.84
2569	3	20	0	19.66	3.48	-19.38	11.49	-4.94	-7.78	-3.86	3.67	1.40
2565	3	20	5	19.64	1.92	-20.41	11.49	-3.80	-12.28	-3.80	4.35	0.72
2560	3	20	10	19.65	1.81	-20.76	11.49	-2.33	-16.29	-4.00	4.67	0.40
2555	3	20	15	19.66	1.64	-21.46	11.49	-0.59	-17.91	-3.33	4.89	0.18
3312	6	-10	-15	19.58	2.23	-26.92	11.49	-9.05	-20.34	3.54	5.48	0.94
3308	6	-10	-10	19.58	1.89	-26.41	11.49	-6.72	-18.40	2.88	5.37	1.05
3304	6	-10	-5	19.57	1.99	-25.84	11.49	-4.45	-15.52	2.17	5.12	1.30
3287	6	-10	0	19.62	2.68	-24.23	11.49	-2.99	-12.70	-0.76	4.60	1.82
3292	6	-10	5	19.59	3.59	-19.87	11.49	-2.44	-10.44	-6.27	4.47	1.95
3296	6	-10	10	19.59	6.19	-11.33	11.49	-3.56	-6.64	-16.54	4.12	2.30
2661	6	0	-15	19.69	1.52	-25.45	11.49	-9.24	-17.24	1.22	5.27	1.21
2657	6	0	-10	19.70	1.45	-24.82	11.49	-7.38	-18.49	0.59	5.20	1.28
2653	6	0	-5	19.69	1.40	-24.32	11.49	-5.41	-18.97	-0.03	5.28	1.20
2619	6	0	0	19.61	1.54	-23.63	11.49	-3.29	-19.27	-0.75	5.26	1.22
2623	6	0	5	19.65	1.63	-23.17	11.49	-1.18	-19.29	-1.40	5.23	1.25
2645	6	0	10	19.68	1.98	-22.38	11.49	0.83	-18.83	-2.64	5.14	1.34
2649	6	0	15	19.69	2.60	-21.61	11.49	2.60	-17.71	-4.03	5.13	1.35
2691	6	10	-15	19.64	3.80	-27.56	11.49	-7.24	-10.69	4.33	4.43	1.99
2743	6	10	-15	19.67	3.76	-27.42	11.49	-7.26	-10.60	4.19	4.40	2.02
2686	6	10	-10	19.60	2.28	-23.06	11.49	-7.24	-13.49	-1.10	4.82	1.60
2687	6	10	-10	19.61	2.33	-23.02	11.49	-7.23	-13.51	-1.11	4.79	1.63
2682	6	10	-5	19.63	1.66	-22.18	11.49	-6.05	-16.98	-2.62	5.18	1.24
2666	6	10	0	19.68	1.29	-22.38	11.49	-4.41	-19.23	-2.69	5.39	1.03
2670	6	10	5	19.69	1.58	-22.21	11.49	-2.58	-20.14	-2.94	5.50	0.92
2674	6	10	10	19.71	1.93	-21.97	11.49	-0.58	-21.28	-3.38	5.54	0.88
2678	6	10	15	19.61	1.92	-21.76	11.49	1.30	-20.92	-3.39	5.60	0.82
2704	6	20	-15	19.66	9.37	-41.82	11.49	-3.29	-8.50	9.49	3.22	3.01
2699	6	20	-10	19.66	3.89	-25.98	11.49	-6.26	-10.57	1.37	4.23	2.00
2700	6	20	-10	19.61	3.96	-25.73	11.49	-6.30	-10.59	1.17	4.08	2.15
2708	6	20	-5	19.65	2.42	-19.93	11.49	-6.48	-13.17	-4.79	4.58	1.65
2712	6	20	0	19.62	2.15	-18.24	11.49	-5.74	-16.02	-7.35	5.03	1.20
2716	6	20	5	19.65	1.87	-20.54	11.49	-3.65	-19.89	-4.72	5.49	0.74
2737	6	20	5	19.64	1.63	-20.83	11.49	-3.68	-19.08	-4.49	5.57	0.66
2736	6	20	10	19.66	1.79	-21.11	11.49	-1.88	-20.83	-4.17	5.77	0.46
2741	6	20	15	19.67	1.89	-21.62	11.49	0.13	-20.70	-3.61	5.94	0.29

* Indicates model was close to heave stop

TABLE A1.200.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1708	-2	-10	0	0	0.06	-0.04	11.49	0.38	0.02	0.01	2.24	1.06
1712	-2	-10	5	0	0.03	-0.00	11.49	0.45	0.04	0.02	2.21	1.09
1715	-2	-10	10	0	0.01	-0.04	11.49	0.41	0.10	0.02	2.20	1.10
1717	-2	-10	15	0	0.01	-0.03	11.49	0.38	0.11	0.00	2.20	1.10
1644	-2	0	0	0	0.03	-0.04	11.49	-0.02	0.23	0.02	2.34	1.02
1649	-2	0	5	0	0.03	-0.02	11.49	-0.03	0.19	0.01	2.27	1.09
1652	-2	0	10	0	0.03	-0.04	11.49	-0.04	0.16	0.01	2.26	1.10
1655	-2	0	15	0	0.04	-0.05	11.49	-0.04	0.10	0.00	2.26	1.10
1659	-2	10	0	0	0.04	-0.05	11.49	-0.45	-0.13	0.03	2.37	0.93
1663	-2	10	5	0	0.03	-0.02	11.49	-0.43	-0.19	0.02	2.36	0.94
1682	-2	10	10	0	0.02	-0.10	11.49	-0.46	-0.21	0.01	2.33	0.97
1687	-2	10	15	0	0.03	-0.03	11.49	-0.36	-0.33	0.00	2.31	0.99
1691	-2	20	0	0	0.04	-0.04	11.49	-0.59	-0.48	0.02	2.36	0.75
1695	-2	20	5	0	0.05	-0.05	11.49	-0.54	-0.47	0.02	2.37	0.74
1700	-2	20	10	0	0.02	-0.04	11.49	-0.49	-0.54	0.01	2.35	0.76
1702	-2	20	15	0	0.03	-0.01	11.49	-0.35	-0.57	0.02	2.35	0.76
1626	0	-10	0	0	0.00	-0.01	11.49	0.41	-4.06	0.03	2.31	1.78
1630	0	-10	5	0	-0.01	0.02	11.49	0.79	-4.00	0.00	2.32	1.77
1634	0	-10	10	0	0.00	0.01	11.49	1.13	-3.90	0.02	2.33	1.76
1638	0	-10	15	0	0.01	0.02	11.49	1.49	-3.88	0.01	2.31	1.78
1558	0	0	0	0	0.00	-0.02	11.49	-0.02	-4.16	0.04	2.06	2.09
1563	0	0	5	0	0.00	0.00	11.49	0.38	-4.17	0.02	2.29	1.86
1567	0	0	10	0	0.01	-0.00	11.49	0.71	-4.05	0.02	2.37	1.78
1571	0	0	15	0	0.01	-0.00	11.49	1.08	-4.05	0.03	2.38	1.77
1578	0	10	0	0	0.02	-0.02	11.49	-0.48	-4.27	0.03	2.30	1.79
1581	0	10	5	0	0.01	-0.00	11.49	-0.07	-4.31	0.04	2.31	1.78
1587	0	10	10	0	0.00	0.01	11.49	0.28	-4.22	0.02	2.33	1.76
1590	0	10	15	0	-0.00	0.02	11.49	0.65	-4.18	0.03	2.35	1.74
1606	0	20	0	0	0.00	-0.03	11.49	-0.59	-4.21	0.03	2.37	1.53
1610	0	20	5	0	0.01	-0.00	11.49	-0.23	-4.29	0.01	2.37	1.53
1614	0	20	10	0	0.00	0.00	11.49	0.16	-4.29	0.02	2.39	1.51
1618	0	20	15	0	0.00	0.00	11.49	0.54	-4.28	0.03	2.42	1.48
1396	3	-10	0	0	0.01	0.03	11.49	0.36	-9.12	0.02	2.62	2.64
1392	3	-10	5	0	0.00	0.04	11.49	1.15	-9.03	0.03	2.62	2.64
1389	3	-10	10	0	0.01	0.03	11.49	1.93	-8.96	0.03	2.61	2.65
1383	3	-10	15	0	-0.02	0.03	11.49	2.67	-8.69	0.05	2.62	2.64
1401	3	0	0	0	0.01	0.04	11.49	0.00	-9.49	0.04	2.51	2.81
1404	3	0	0	0	0.01	0.05	11.49	0.01	-9.48	0.04	2.53	2.79
1408	3	0	5	0	0.01	0.03	11.49	0.80	-9.38	0.05	2.52	2.80
1412	3	0	10	0	0.01	0.04	11.49	1.63	-9.24	0.03	2.52	2.80
1416	3	0	15	0	0.01	0.04	11.49	2.43	-9.08	0.03	2.53	2.79

* Indicates model was close to heave stop

TABLE A1.200.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1435	3	10	0	0	0.00	-0.01	11.49	-0.39	-9.10	0.05	2.55	2.71
1441	3	10	5	0	-0.01	0.02	11.49	0.43	-9.20	0.04	2.55	2.71
1444	3	10	10	0	0.01	0.03	11.49	1.21	-9.07	0.05	2.56	2.70
1448	3	10	15	0	-0.00	0.03	11.49	2.00	-8.92	0.04	2.56	2.70
1456	3	20	0	0	-0.05	0.04	11.49	-0.54	-8.91	0.08	2.62	2.45
1460	3	20	5	0	0.01	-0.00	11.49	0.21	-8.90	0.04	2.61	2.46
1464	3	20	10	0	0.00	0.02	11.49	0.98	-8.86	0.03	2.61	2.46
1468	3	20	15	0	0.01	0.02	11.49	1.75	-8.73	0.03	2.61	2.46
1540	6	-10	0	0	-0.01	0.06	11.49	0.27	-12.18	0.05	2.99	3.43
1544	6	-10	5	0	0.00	0.05	11.49	1.30	-11.90	0.03	3.00	3.42
1548	6	-10	10	0	0.00	0.07	11.49	2.35	-11.82	0.05	2.99	3.43
1552	6	-10	15	0	-0.00	0.06	11.49	3.38	-11.63	0.05	2.96	3.46
1475	6	0	0	0	0.00	0.04	11.49	-0.01	-12.33	0.06	2.98	3.50
1479	6	0	5	0	-0.01	0.09	11.49	1.10	-12.25	0.05	2.99	3.49
1483	6	0	10	0	0.00	0.06	11.49	2.12	-12.01	0.04	3.00	3.48
1487	6	0	15	0	0.00	0.09	11.49	3.22	-12.02	0.04	2.96	3.52
1493	6	10	0	0	0.01	0.05	11.49	-0.27	-12.28	0.05	2.97	3.45
1497	6	10	5	0	0.01	0.08	11.49	0.82	-12.20	0.05	2.97	3.45
1501	6	10	10	0	0.01	0.09	11.49	1.87	-12.09	0.06	2.98	3.44
1505	6	10	15	0	-0.00	0.07	11.49	2.89	-11.80	0.05	2.98	3.44
1521	6	20	0	0	-0.03	0.05	11.49	-0.46	-11.86	0.06	3.03	3.20
1526	6	20	5	0	0.00	0.05	11.49	0.56	-11.96	0.04	3.02	3.21
1529	6	20	10	0	0.01	0.05	11.49	1.58	-11.74	0.04	3.03	3.20
1533	6	20	15	0	0.00	0.04	11.49	2.59	-11.56	0.04	3.03	3.20

* Indicates model was close to heave stop

TABLE A1.201.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1709	-2	-10	0	7.36	1.48	0.09	11.49	0.25	3.58	0.21	1.88	1.42
1713	-2	-10	5	7.36	1.70	1.09	11.49	-0.11	3.82	2.04	1.72	1.58
1716 *	-2	-10	10	7.36	2.46	3.06	11.49	-0.99	4.56	5.15	1.45	1.85
1718 *	-2	-10	15	7.37	3.84	6.27	11.49	-2.26	5.72	8.93	1.21	2.09
1645	-2	0	0	7.37	1.51	-0.02	11.49	0.07	3.94	0.05	1.96	1.40
1648	-2	0	5	7.37	1.69	0.87	11.49	-0.44	4.10	1.63	1.81	1.55
1653	-2	0	10	7.36	2.57	2.82	11.49	-1.20	4.45	4.39	1.56	1.80
1656 *	-2	0	15	7.37	4.42	6.48	11.49	-2.34	5.64	9.05	1.16	2.20
1660	-2	10	0	7.37	1.47	-0.11	11.49	-0.19	3.51	-0.17	2.02	1.28
1664	-2	10	5	7.37	1.57	0.64	11.49	-0.70	3.83	1.25	1.97	1.33
1681	-2	10	5	7.36	1.57	0.67	11.49	-0.71	3.81	1.31	1.87	1.43
1683	-2	10	10	7.36	2.25	2.14	11.49	-1.34	4.52	3.54	1.72	1.58
1686 *	-2	10	15	7.37	3.98	5.39	11.49	-2.36	5.56	7.78	1.33	1.97
1692	-2	20	0	7.37	1.42	-0.19	11.49	-0.41	2.91	-0.36	2.03	1.08
1696	-2	20	5	7.36	1.50	0.61	11.49	-0.74	3.26	1.22	2.00	1.11
1699	-2	20	10	7.36	1.92	2.02	11.49	-1.35	4.21	3.33	1.82	1.29
1703 *	-2	20	15	7.36	3.49	4.90	11.49	-2.37	4.83	7.11	1.35	1.76
1627	0	-10	0	7.37	1.25	0.09	11.49	0.42	-0.14	0.21	2.10	1.99
1631	0	-10	5	7.39	1.42	0.88	11.49	0.42	0.01	1.16	2.03	2.06
1635	0	-10	10	7.39	2.09	2.46	11.49	0.11	0.68	2.74	1.81	2.28
1639 *	0	-10	15	7.36	3.75	5.85	11.49	-0.72	2.21	5.67	1.36	2.73
1560	0	0	0	7.36	1.26	0.02	11.49	0.04	-0.02	0.03	1.91	2.24
1564	0	0	5	7.37	1.42	0.67	11.49	0.07	0.03	0.93	2.08	2.07
1568	0	0	10	7.37	1.91	1.81	11.49	-0.12	0.80	2.27	1.96	2.19
1572 *	0	0	15	7.37	3.37	4.75	11.49	-0.85	2.02	4.88	1.52	2.63
1577	0	10	0	7.37	1.25	-0.09	11.49	-0.40	-0.27	-0.19	2.08	2.01
1582	0	10	5	7.37	1.38	0.52	11.49	-0.37	-0.01	0.83	2.08	2.01
1586	0	10	10	7.37	1.84	1.61	11.49	-0.47	0.76	2.10	1.99	2.10
1591	0	10	15	7.38	2.97	3.79	11.49	-0.91	2.05	3.98	1.70	2.39
1607	0	20	0	7.36	1.22	-0.22	11.49	-0.48	-0.53	-0.38	2.16	1.74
1611	0	20	5	7.38	1.25	0.45	11.49	-0.55	-0.24	0.44	2.15	1.75
1615	0	20	10	7.37	1.64	1.59	11.49	-0.67	0.47	1.55	2.07	1.83
1619	0	20	15	7.37	2.66	3.45	11.49	-1.02	1.84	3.29	1.84	2.06
1397	3	-10	0	7.36	1.33	0.18	11.49	0.50	-5.41	-0.01	2.61	2.65
1393	3	-10	5	7.37	1.46	0.89	11.49	0.96	-5.10	-0.10	2.55	2.71
1390	3	-10	10	7.37	1.97	2.15	11.49	1.15	-4.29	-0.24	2.40	2.86
1405	3	0	0	7.36	1.19	0.09	11.49	0.09	-5.62	0.00	2.54	2.78
1409	3	0	5	7.37	1.42	0.73	11.49	0.61	-5.43	-0.05	2.50	2.82
1413	3	0	10	7.37	1.80	1.75	11.49	1.04	-4.74	-0.18	2.38	2.94
1417	3	0	15	7.37	2.89	4.03	11.49	1.07	-3.29	-0.46	2.13	3.19

* Indicates model was close to heave stop

TABLE A1.201.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1436	3	10	0	7.37	1.31	-0.08	11.49	-0.43	-5.43	0.03	2.54	2.72
1440	3	10	5	7.37	1.37	0.63	11.49	0.08	-5.25	-0.12	2.54	2.72
1445	3	10	10	7.37	1.71	1.69	11.49	0.57	-4.38	-0.39	2.45	2.81
1449	3	10	15	7.37	2.43	3.13	11.49	0.74	-2.91	-0.58	2.30	2.96
1457	3	20	0	7.37	1.28	0.04	11.49	-0.52	-5.31	0.09	2.61	2.46
1461	3	20	5	7.37	1.43	0.79	11.49	-0.18	-5.07	-0.19	2.59	2.48
1465	3	20	10	7.36	1.79	2.00	11.49	0.11	-4.27	-0.78	2.51	2.56
1469	3	20	15	7.37	2.39	3.16	11.49	0.26	-2.75	-1.16	2.42	2.65
1541	6	-10	0	7.37	1.62	-0.11	11.49	0.39	-8.95	0.07	3.20	3.22
1545	6	-10	5	7.37	1.77	0.85	11.49	1.12	-8.79	-0.87	3.13	3.29
1549	6	-10	10	7.37	2.16	2.07	11.49	1.71	-8.18	-1.94	3.00	3.42
1553	6	-10	15	7.37	3.16	4.30	11.49	1.92	-7.29	-3.81	2.73	3.69
1476	6	0	0	7.37	1.54	0.04	11.49	0.03	-9.08	0.03	3.22	3.26
1480	6	0	5	7.37	1.72	1.00	11.49	0.87	-8.96	-0.87	3.17	3.31
1484	6	0	10	7.37	2.09	1.95	11.49	1.56	-8.45	-1.79	3.09	3.39
1488	6	0	15	7.38	2.79	3.40	11.49	2.04	-7.63	-3.11	2.93	3.55
1494	6	10	0	7.37	1.65	0.31	11.49	-0.29	-9.07	-0.06	3.18	3.24
1498	6	10	5	7.36	1.76	1.29	11.49	0.48	-8.83	-1.05	3.17	3.25
1502	6	10	10	7.37	2.09	2.28	11.49	1.15	-8.12	-2.13	3.14	3.28
1506	6	10	15	7.37	2.66	3.24	11.49	1.72	-7.40	-3.06	3.06	3.36
1522	6	20	0	7.37	1.73	0.32	11.49	-0.50	-8.76	0.09	3.18	3.05
1525	6	20	5	7.36	1.94	1.47	11.49	0.18	-8.69	-1.04	3.21	3.02
1530	6	20	10	7.36	2.25	2.73	11.49	0.79	-8.10	-2.33	3.21	3.02
1534	6	20	15	7.37	2.65	3.52	11.49	1.37	-7.26	-3.22	3.24	2.99

* Indicates model was close to heave stop

TABLE A1.203.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1710	-2	-10	0	14.74	6.41	1.70	11.49	0.63	1.24	1.58	1.68	1.62
1714 *	-2	-10	5	14.72	7.43	7.82	11.49	-0.05	2.61	11.16	1.34	1.96
1646	-2	0	0	14.74	6.11	0.22	11.49	0.21	0.33	0.12	1.86	1.50
1650 *	-2	0	5	14.72	7.04	5.30	11.49	-0.58	1.17	7.98	1.52	1.84
1654 *	-2	0	10	14.73	10.60	16.98	11.49	-2.34	4.45	19.32	1.20	2.16
1721 *	-2	0	10	14.72	11.20	19.63	11.49	-2.31	4.30	21.94	0.80	2.56
1661	-2	10	0	14.77	6.02	-1.27	11.49	-0.12	1.28	-1.27	1.91	1.39
1665	-2	10	5	14.74	6.73	3.18	11.49	-1.11	2.53	5.76	1.63	1.67
1680	-2	10	5	14.74	6.70	3.28	11.49	-0.86	2.53	6.14	1.57	1.73
1684 *	-2	10	10	14.74	9.53	12.73	11.49	-2.18	4.37	14.85	1.35	1.95
1688 *	-2	10	15	14.71	15.18	23.90	11.49	-2.23	5.55	22.39	1.39	1.91
1693	-2	20	0	14.74	4.73	-0.18	11.49	-0.12	2.27	-0.06	2.01	1.10
1697	-2	20	5	14.73	5.12	4.01	11.49	-0.78	3.34	6.86	1.91	1.20
1701 *	-2	20	10	14.73	9.88	10.23	11.49	-2.50	8.60	11.57	1.31	1.80
1628	0	-10	0	14.74	3.78	0.33	11.49	0.40	3.00	0.78	2.28	1.81
1632	0	-10	5	14.73	4.99	4.30	11.49	0.01	2.71	2.52	2.09	2.00
1636 *	0	-10	10	14.76	10.46	17.91	11.49	-1.83	6.05	10.37	1.09	3.00
1640 *	0	-10	15	14.73	15.81	30.34	11.49	-3.32	6.93	19.15	1.09	3.00
1561	0	0	0	14.79	3.90	0.12	11.49	0.14	5.05	-0.06	2.12	2.03
1565	0	0	5	14.75	4.67	3.08	11.49	-0.13	5.38	2.64	2.21	1.94
1569 *	0	0	10	14.77	9.13	13.18	11.49	-1.60	7.26	5.70	1.33	2.82
1573 *	0	0	15	14.73	18.50	35.51	11.49	-2.26	5.05	25.01	0.59	3.56
1579	0	10	0	14.74	3.71	-0.20	11.49	-0.15	2.92	-0.75	2.29	1.80
1583	0	10	5	14.71	4.24	2.59	11.49	-0.38	6.26	2.05	2.27	1.82
1588	0	10	10	14.73	6.71	7.73	11.49	-1.35	9.94	5.75	2.07	2.02
1592 *	0	10	15	14.73	19.25	32.09	11.49	-2.18	9.45	18.78	0.49	3.60
1608	0	20	0	14.75	3.62	-0.40	11.49	-0.27	1.09	-1.23	2.40	1.50
1612	0	20	5	14.74	3.83	2.28	11.49	-0.67	5.32	0.48	2.31	1.59
1616	0	20	10	14.73	4.44	4.56	11.49	-1.24	7.54	2.15	2.55	1.35
1620	0	20	15	14.72	4.98	6.61	11.49	-1.49	5.77	1.09	2.93	0.97
1398	3	-10	0	14.73	2.58	-0.21	11.49	0.64	-3.35	0.48	3.13	2.13
1394	3	-10	5	14.75	3.24	2.31	11.49	1.00	-2.88	-0.96	3.01	2.25
1391	3	-10	10	14.72	5.35	7.90	11.49	0.57	0.04	-3.36	2.67	2.59
1400	3	-10	13	14.73	8.82	15.94	11.49	-0.56	3.95	-4.01	2.19	3.07
1388	3	-10	15	14.74	13.06	25.27	11.49	-1.66	6.31	-1.76	1.72	3.54
1406	3	0	0	14.74	2.36	0.14	11.49	0.13	-3.94	0.02	3.06	2.26
1410	3	0	5	14.73	2.80	1.92	11.49	0.74	-3.58	-0.59	3.03	2.29
1414	3	0	10	14.72	4.05	4.95	11.49	1.13	-1.82	-1.95	2.86	2.46
1418	3	0	15	14.74	8.12	13.43	11.49	0.06	3.43	-3.95	2.42	2.90

* Indicates model was close to heave stop

TABLE A1.203.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1437	3	10	0	14.75	2.55	0.53	11.49	-0.45	-3.50	-0.69	3.09	2.17
1442	3	10	5	14.77	2.52	2.05	11.49	0.29	-4.39	-1.27	3.23	2.03
1446	3	10	10	14.72	3.03	3.74	11.49	1.13	-4.98	-2.22	3.31	1.95
1450	3	10	15	14.73	3.97	5.89	11.49	2.03	-4.98	-3.69	3.34	1.92
1458	3	20	0	14.75	2.75	0.45	11.49	-0.69	-3.18	-0.03	3.07	2.00
1462	3	20	5	14.71	2.66	2.59	11.49	-0.26	-3.49	-1.82	3.32	1.75
1466	3	20	10	14.73	2.78	3.79	11.49	0.61	-6.17	-3.43	3.65	1.42
1470	3	20	15	14.72	3.15	4.77	11.49	1.83	-8.54	-5.14	3.91	1.16
1542	6	-10	0	14.74	2.18	-0.73	11.49	0.61	-10.16	1.12	4.32	2.10
1546	6	-10	5	14.73	2.60	1.03	11.49	1.41	-8.59	-1.12	4.06	2.36
1550	6	-10	10	14.73	3.73	4.69	11.49	1.76	-7.09	-5.18	3.79	2.63
1554	6	-10	15	14.73	6.62	11.61	11.49	1.02	-4.22	-11.72	3.29	3.13
1477	6	0	0	14.74	2.07	0.08	11.49	0.15	-11.31	0.06	4.51	1.97
1481	6	0	5	14.72	2.34	1.21	11.49	1.28	-10.98	-1.19	4.44	2.04
1485	6	0	10	14.74	2.83	2.66	11.49	2.30	-10.23	-2.86	4.34	2.14
1489	6	0	15	14.73	4.05	5.17	11.49	2.89	-8.68	-5.84	4.15	2.33
1495	6	10	0	14.75	2.18	0.95	11.49	-0.37	-10.48	-1.09	4.39	2.03
1499	6	10	5	14.74	2.23	1.97	11.49	0.78	-11.93	-2.45	4.64	1.78
1503	6	10	10	14.76	2.55	2.92	11.49	2.13	-13.06	-3.99	4.83	1.59
1507	6	10	15	14.72	3.10	3.90	11.49	3.56	-13.70	-5.62	4.91	1.51
1523	6	20	0	14.74	2.67	1.64	11.49	-0.76	-8.68	-1.42	4.13	2.10
1527	6	20	5	14.73	2.59	2.59	11.49	0.31	-10.89	-3.14	4.58	1.65
1531	6	20	10	14.73	2.60	3.10	11.49	1.47	-12.62	-4.26	4.96	1.27
1535	6	20	15	14.74	2.79	3.55	11.49	2.83	-13.76	-5.23	5.17	1.06

* Indicates model was close to heave stop

TABLE A1.204.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1711 *	-2	-10	0	19.68	11.49	4.07	11.49	0.89	0.49	4.35	1.28	2.02
1647 *	-2	0	0	19.65	11.78	0.55	11.49	0.16	-1.21	0.25	1.31	2.05
1651 *	-2	0	5	19.67	13.15	11.53	11.49	-1.15	0.82	19.67	1.21	2.15
1662 *	-2	10	0	19.65	11.81	-3.16	11.49	-0.26	1.11	-5.47	1.20	2.10
1666 *	-2	10	5	19.66	12.43	8.11	11.49	-1.53	3.75	12.66	1.20	2.10
1694 *	-2	20	0	19.63	12.82	-5.66	11.49	0.00	6.79	-10.66	1.27	1.84
1698 *	-2	20	5	19.65	13.03	2.99	11.49	-1.22	9.87	4.93	1.29	1.82
1629	0	-10	0	19.62	6.36	0.54	11.49	0.16	10.11	1.69	2.17	1.92
1633	0	-10	5	19.61	10.23	7.78	11.49	-0.90	8.80	4.83	1.59	2.50
1637 *	0	-10	10	19.66	17.05	29.75	11.49	-3.15	10.22	22.09	1.08	3.01
1562	0	0	0	19.68	5.91	0.18	11.49	0.18	11.04	0.03	2.24	1.91
1566	0	0	5	19.66	7.92	5.12	11.49	-0.68	12.33	5.01	2.15	2.00
1570 *	0	0	10	19.67	20.18	36.03	11.49	-1.96	6.66	33.38	0.59	3.56
1574 *	0	0	15	19.67	29.51	52.68	11.49	-7.93	8.72	38.21	0.59	3.56
1580	0	10	0	19.63	6.30	-0.06	11.49	0.26	9.77	-1.66	2.18	1.91
1584	0	10	5	19.66	6.25	3.10	11.49	-0.65	11.90	2.45	2.45	1.64
1589	0	10	10	19.65	7.59	7.94	11.49	-1.17	12.17	5.28	2.61	1.48
1593 *	0	10	15	19.64	24.79	35.90	11.49	-4.53	22.25	17.31	1.08	3.01
1609	0	20	0	19.67	6.76	-0.34	11.49	0.07	6.37	-2.14	2.17	1.73
1613	0	20	5	19.63	5.83	2.10	11.49	-0.92	11.53	0.91	2.50	1.40
1617	0	20	10	19.65	5.39	4.50	11.49	-1.54	7.55	0.28	3.04	0.86
1621	0	20	15	19.66	5.62	6.30	11.49	-1.74	3.59	-1.50	3.34	0.56
1399	3	-10	0	19.66	3.25	-0.27	11.49	0.65	-3.63	0.63	3.41	1.85
1395	3	-10	5	19.66	4.55	3.19	11.49	1.09	-0.96	-1.80	3.19	2.07
1385	3	-10	10	19.64	8.42	12.69	11.49	0.07	4.54	-5.74	2.69	2.57
1386	3	-10	13	19.66	15.69	30.54	11.49	-2.61	13.17	-6.75	2.05	3.21
1384 *	3	-10	15	19.65	23.00	46.75	11.49	-4.44	15.54	-0.22	1.52	3.74
1407	3	0	0	19.63	3.27	0.22	11.49	0.18	-5.60	-0.05	3.47	1.85
1411	3	0	5	19.64	3.65	2.31	11.49	1.01	-4.58	-1.05	3.38	1.94
1415	3	0	10	19.64	5.17	6.07	11.49	1.54	-1.75	-3.13	3.20	2.12
1419	3	0	15	19.68	12.35	20.54	11.49	-0.39	8.57	-6.97	2.52	2.80

* Indicates model was close to heave stop

TABLE A1.204.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.000, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
1438	3	10	0	19.66	3.36	0.57	11.49	-0.35	-4.29	-0.75	3.40	1.86
1443	3	10	5	19.60	3.22	2.48	11.49	0.65	-7.54	-2.32	3.70	1.56
1447	3	10	10	19.69	3.63	4.50	11.49	1.97	-9.64	-4.60	3.83	1.43
1451	3	10	15	19.64	4.48	6.66	11.49	3.39	-10.68	-7.28	3.89	1.37
1459	3	20	0	19.65	3.64	1.05	11.49	-0.79	-1.26	-0.50	3.28	1.79
1463	3	20	5	19.63	3.32	2.68	11.49	-0.01	-6.26	-2.40	3.78	1.29
1467	3	20	10	19.65	3.14	3.44	11.49	1.10	-9.72	-4.01	4.10	0.97
1471	3	20	15	19.64	3.25	4.24	11.49	2.41	-11.82	-5.47	4.26	0.81
1543	6	-10	0	19.65	2.35	-0.13	11.49	0.74	-13.78	0.51	5.10	1.32
1547	6	-10	5	19.64	2.74	1.04	11.49	1.90	-11.52	-1.09	4.82	1.60
1551	6	-10	10	19.71	4.09	4.50	11.49	2.48	-9.33	-5.90	4.53	1.89
1555	6	-10	15	19.67	7.35	12.38	11.49	1.48	-5.21	-15.24	4.04	2.38
1478	6	0	0	19.67	2.21	0.17	11.49	0.19	-15.61	0.06	5.20	1.28
1482	6	0	5	19.63	2.44	1.62	11.49	1.69	-15.39	-2.16	5.20	1.28
1486	6	0	10	19.62	2.95	3.05	11.49	3.15	-15.04	-4.28	5.17	1.31
1490	6	0	15	19.64	3.75	4.53	11.49	4.55	-14.23	-6.51	5.10	1.38
1496	6	10	0	19.64	2.26	0.44	11.49	-0.49	-14.11	-0.53	5.12	1.30
1500	6	10	5	19.66	2.35	1.56	11.49	0.86	-15.07	-2.18	5.21	1.21
1504	6	10	10	19.67	2.70	2.66	11.49	2.30	-15.61	-3.91	5.28	1.14
1508	6	10	15	19.66	3.32	3.85	11.49	3.78	-15.99	-5.85	5.30	1.12
1524	6	20	0	19.64	2.99	1.51	11.49	-0.88	-11.45	-1.67	4.89	1.34
1528	6	20	5	19.64	2.54	1.69	11.49	0.39	-14.09	-2.26	5.32	0.91
1532	6	20	10	19.68	2.47	2.15	11.49	1.80	-15.32	-3.10	5.52	0.71
1536	6	20	15	19.64	2.65	2.52	11.49	3.32	-16.01	-3.75	5.62	0.61

* Indicates model was close to heave stop

TABLE A1.210.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
585	0	-10	-10	0	0.02	0.10	11.49	-0.25	-3.64	-0.02	2.36	1.73
568	0	-10	-8	0	0.02	0.08	11.49	-0.12	-3.66	0.00	2.36	1.73
582	0	-10	-5	0	0.03	0.07	11.49	0.07	-3.71	0.00	2.33	1.76
569	0	-10	0	0	0.03	0.11	11.49	0.41	-3.69	0.00	2.37	1.72
574	0	-10	5	0	0.02	0.06	11.49	0.67	-3.72	0.00	2.37	1.72
577	0	-10	10	0	0.03	0.02	11.49	0.97	-3.71	0.02	2.37	1.72
468	0	0	-15	0	0.04	0.11	11.49	-1.01	-3.76	-0.01	2.19	1.96
464	0	0	-10	0	0.02	0.13	11.49	-0.62	-3.63	-0.01	2.29	1.86
459	0	0	-5	0	0.03	0.14	11.49	-0.30	-3.65	-0.01	2.30	1.85
439	0	0	0	0	0.01	0.09	11.49	0.04	-3.65	0.01	2.33	1.82
446	0	0	5	0	0.02	0.05	11.49	0.30	-3.82	0.02	2.30	1.85
450	0	0	10	0	0.03	0.05	11.49	0.63	-3.80	0.01	2.33	1.82
454	0	0	15	0	0.05	0.04	11.49	0.98	-3.90	0.03	2.29	1.86
534	0	10	-10	0	0.04	0.01	11.49	-1.17	-3.48	0.01	2.33	1.76
530	0	10	-5	0	0.01	0.07	11.49	-0.83	-3.64	-0.02	2.34	1.75
471	0	10	0	0	0.05	0.11	11.49	-0.45	-3.79	0.00	2.30	1.79
517	0	10	0	0	0.03	0.05	11.49	-0.52	-3.69	0.02	2.38	1.71
475	0	10	5	0	0.03	0.10	11.49	-0.13	-3.93	0.01	2.30	1.79
522	0	10	5	0	0.02	0.07	11.49	-0.15	-3.86	0.03	2.34	1.75
525	0	10	10	0	0.03	0.06	11.49	0.18	-3.84	0.00	2.35	1.74
560	0	20	-10	0	0.05	-0.01	11.49	-1.39	-3.65	0.01	2.37	1.53
553	0	20	-5	0	0.03	0.03	11.49	-1.00	-3.83	0.01	2.38	1.52
555	0	20	-5	0	0.04	-0.01	11.49	-1.05	-3.83	0.01	2.38	1.52
538	0	20	0	0	0.02	0.02	11.49	-0.70	-3.96	0.01	2.36	1.54
543	0	20	5	0	0.02	0.06	11.49	-0.32	-4.05	0.00	2.39	1.51
548	0	20	10	0	0.03	0.07	11.49	0.07	-4.11	0.01	2.40	1.50
250	3	-10	-15	0	0.02	-0.04	11.49	-1.97	-8.41	-0.04	2.61	2.65
245	3	-10	-10	0	-0.00	0.02	11.49	-1.22	-8.74	-0.03	2.57	2.69
241	3	-10	-5	0	-0.01	-0.03	11.49	-0.48	-8.81	-0.07	2.58	2.68
237	3	-10	0	0	-0.02	0.02	11.49	0.30	-8.92	-0.04	2.58	2.68
233	3	-10	5	0	0.00	0.02	11.49	1.07	-8.83	-0.03	2.59	2.67
229	3	-10	10	0	0.03	-0.11	11.49	1.61	-8.69	0.02	2.60	2.66
225	3	-10	15	0	-0.04	-0.18	11.49	2.41	-8.48	-0.03	2.61	2.65
109	3	0	-15	0	-0.01	0.02	11.49	-2.40	-8.72	-0.04	2.52	2.80
104	3	0	-10	0	-0.02	0.06	11.49	-1.62	-8.94	-0.04	2.53	2.79
100	3	0	-5	0	-0.01	0.07	11.49	-0.84	-9.06	-0.03	2.54	2.78
96	3	0	0	0	0.01	-0.03	11.49	-0.13	-9.09	-0.05	2.53	2.79
90	3	0	5	0	-0.02	0.05	11.49	0.74	-9.18	-0.03	2.50	2.82
79	3	0	10	0	-0.01	-0.09	11.49	1.46	-9.12	-0.07	2.56	2.76
81	3	0	10	0	-0.02	-0.23	11.49	1.35	-9.10	-0.12	2.56	2.76
87	3	0	10	0	-0.02	0.02	11.49	1.51	-9.12	-0.02	2.51	2.81
83	3	0	15	0	0.04	0.02	11.49	2.32	-9.01	-0.05	2.49	2.83

* Indicates model was close to heave stop

TABLE A1.210.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
113	3	10	-15	0	0.03	0.03	11.49	-2.76	-8.49	-0.06	2.54	2.72
154	3	10	-15	0	0.09	-0.05	11.49	-2.64	-8.16	-0.02	2.66	2.60
159	3	10	-10	0	0.02	-0.03	11.49	-2.03	-8.77	-0.04	2.50	2.76
163	3	10	-5	0	0.01	-0.03	11.49	-1.28	-8.95	-0.05	2.57	2.69
167	3	10	0	0	0.01	-0.12	11.49	-0.55	-8.90	-0.06	2.57	2.69
171	3	10	5	0	-0.00	0.06	11.49	0.35	-9.04	-0.03	2.55	2.71
185	3	10	5	0	-0.00	-0.01	11.49	0.29	-8.89	-0.01	2.60	2.66
187	3	10	10	0	-0.03	-0.04	11.49	1.09	-8.98	-0.03	2.60	2.66
191	3	10	15	0	0.02	0.21	11.49	2.05	-8.93	0.07	2.58	2.68
219	3	20	-15	0	-0.05	0.02	11.49	-2.74	-8.41	-0.03	2.58	2.49
215	3	20	-10	0	-0.01	0.05	11.49	-2.04	-8.71	-0.03	2.58	2.49
211	3	20	-5	0	0.01	0.01	11.49	-1.30	-8.81	-0.03	2.59	2.48
203	3	20	5	0	0.01	0.01	11.49	0.22	-8.83	-0.03	2.62	2.45
207	3	20	5	0	-0.01	0.04	11.49	0.26	-9.00	-0.03	2.58	2.49
199	3	20	10	0	-0.03	0.02	11.49	1.04	-9.01	0.00	2.60	2.47
195	3	20	15	0	-0.01	0.04	11.49	1.83	-8.86	-0.03	2.60	2.47
419	6	-10	-15	0	-0.04	0.03	11.49	-2.80	-11.44	-0.06	2.90	3.52
415	6	-10	-10	0	-0.05	0.04	11.49	-1.77	-11.48	-0.06	2.93	3.49
411	6	-10	-5	0	-0.02	-0.03	11.49	-0.82	-11.71	-0.07	2.92	3.50
393	6	-10	0	0	-0.03	0.01	11.49	0.23	-11.59	-0.05	2.97	3.45
397	6	-10	5	0	-0.04	0.03	11.49	1.27	-11.74	-0.04	2.94	3.48
401	6	-10	10	0	-0.05	0.02	11.49	2.25	-11.54	-0.04	2.94	3.48
405	6	-10	15	0	-0.04	0.00	11.49	3.23	-11.31	-0.04	2.95	3.47
295	6	0	-15	0	-0.03	0.01	11.49	-3.22	-11.74	-0.08	2.90	3.58
291	6	0	-10	0	-0.03	0.08	11.49	-2.13	-11.95	-0.10	2.92	3.56
287	6	0	-5	0	-0.03	0.04	11.49	-1.11	-12.11	-0.04	2.92	3.56
267	6	0	0	0	-0.04	0.04	11.49	-0.06	-12.17	-0.05	2.93	3.55
273	6	0	5	0	-0.02	-0.02	11.49	0.96	-12.11	-0.05	2.94	3.54
277	6	0	5	0	-0.06	0.06	11.49	0.99	-12.06	-0.03	2.96	3.52
282	6	0	10	0	-0.04	0.07	11.49	2.08	-12.16	-0.04	2.93	3.55
283	6	0	15	0	-0.03	0.02	11.49	3.05	-11.69	-0.05	2.98	3.50
299	6	10	-15	0	-0.02	-0.01	11.49	-3.42	-11.46	-0.08	2.93	3.49
304	6	10	-10	0	-0.05	0.03	11.49	-2.40	-11.78	-0.09	2.94	3.48
308	6	10	-5	0	-0.06	0.07	11.49	-1.36	-12.06	-0.06	2.92	3.50
321	6	10	-5	0	-0.06	0.07	11.49	-1.33	-11.92	-0.07	2.92	3.50
324	6	10	0	0	-0.05	0.09	11.49	-0.26	-12.15	-0.05	2.93	3.49
328	6	10	5	0	-0.05	0.04	11.49	0.74	-12.09	-0.06	2.93	3.49
332	6	10	10	0	-0.05	0.08	11.49	1.82	-12.11	-0.05	2.92	3.50
336	6	10	15	0	-0.06	-0.02	11.49	2.76	-11.82	-0.05	2.95	3.47
364	6	20	-15	0	-0.01	-0.05	11.49	-3.61	-11.21	-0.09	2.97	3.26
360	6	20	-10	0	-0.02	0.03	11.49	-2.57	-11.49	-0.06	2.98	3.25
356	6	20	-5	0	-0.02	-0.00	11.49	-1.62	-11.70	-0.06	2.98	3.25
340	6	20	0	0	-0.01	-0.02	11.49	-0.62	-11.76	-0.06	3.00	3.23
344	6	20	5	0	-0.05	0.01	11.49	0.45	-11.81	-0.03	3.01	3.22
348	6	20	10	0	-0.05	0.05	11.49	1.52	-11.80	-0.04	3.00	3.23
352	6	20	15	0	-0.04	-0.05	11.49	2.46	-11.62	-0.05	3.00	3.23

* Indicates model was close to heave stop

TABLE A1.211.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
586	0	-10	-10	7.42	1.90	-2.92	11.49	0.72	0.68	-2.87	1.88	2.21
581	0	-10	-5	7.42	1.42	-1.89	11.49	0.44	0.19	-1.34	1.97	2.12
570	0	-10	0	7.44	1.25	-1.20	11.49	0.35	0.19	-0.23	2.01	2.08
573	0	-10	5	7.44	1.49	-0.60	11.49	0.07	0.47	0.73	1.92	2.17
578	0	-10	10	7.41	2.14	0.84	11.49	-0.54	1.32	1.78	1.68	2.41
469 *	0	0	-15	7.36	3.33	-6.11	11.49	0.87	1.87	-5.70	1.44	2.71
465	0	0	-10	7.38	1.91	-3.15	11.49	0.44	0.68	-3.03	1.79	2.36
460	0	0	-5	7.38	1.41	-1.96	11.49	0.01	0.02	-1.50	1.93	2.22
443	0	0	0	7.37	1.30	-1.60	11.49	-0.24	0.19	-0.42	1.98	2.17
447	0	0	5	7.37	1.35	-1.00	11.49	-0.29	0.30	0.44	1.93	2.22
451	0	0	10	7.38	1.83	0.04	11.49	-0.59	1.11	1.45	1.80	2.35
455 *	0	0	15	7.37	3.18	2.62	11.49	-1.21	2.40	2.99	1.43	2.72
535	0	10	-10	7.42	2.06	-3.74	11.49	-0.06	0.41	-3.50	1.75	2.34
531	0	10	-5	7.43	1.44	-2.31	11.49	-0.48	0.05	-1.81	1.94	2.15
472	0	10	0	7.38	1.27	-1.50	11.49	-0.56	-0.15	-0.67	1.98	2.11
518	0	10	0	7.36	1.23	-1.65	11.49	-0.70	-0.04	-0.66	2.04	2.05
476	0	10	5	7.59	1.39	-1.00	11.49	-0.63	0.15	0.40	1.96	2.13
523	0	10	5	7.43	1.26	-1.06	11.49	-0.63	0.12	0.27	2.00	2.09
526	0	10	10	7.42	1.69	-0.20	11.49	-0.84	0.81	1.19	1.91	2.18
561	0	20	-10	7.45	2.25	-3.86	11.49	-0.09	0.24	-3.51	1.72	2.18
556	0	20	-5	7.30	1.46	-2.22	11.49	-0.54	-0.26	-1.74	1.98	1.92
539	0	20	0	7.42	1.29	-1.53	11.49	-0.79	-0.17	-0.81	2.02	1.88
544	0	20	5	7.40	1.27	-0.88	11.49	-0.79	0.00	-0.05	2.03	1.87
549	0	20	10	7.39	1.71	0.13	11.49	-1.03	0.89	1.01	1.91	1.99
251	3	-10	-15	7.32	2.21	-4.31	11.49	-0.87	-2.70	-0.39	2.27	2.99
246	3	-10	-10	7.34	1.61	-2.89	11.49	-0.68	-4.23	-0.30	2.37	2.89
242	3	-10	-5	7.31	1.28	-1.78	11.49	-0.21	-4.95	-0.35	2.43	2.83
238	3	-10	0	7.32	1.20	-0.88	11.49	0.30	-5.10	-0.35	2.44	2.82
234	3	-10	5	7.29	1.47	-0.11	11.49	0.67	-4.59	-0.41	2.37	2.89
230	3	-10	10	7.31	2.05	0.98	11.49	0.51	-3.68	-0.72	2.23	3.03
226	3	-10	15	7.34	3.38	3.80	11.49	-0.10	-2.02	-1.55	1.89	3.37
108	3	0	-15	7.33	2.62	-5.01	11.49	-1.44	-3.38	-0.71	2.12	3.20
110	3	0	-15	7.25	2.54	-4.84	11.49	-1.38	-3.47	-0.70	2.13	3.19
105	3	0	-10	7.33	1.67	-2.92	11.49	-1.33	-4.76	-0.53	2.33	2.99
101	3	0	-5	7.33	1.34	-1.97	11.49	-0.89	-5.21	-0.43	2.42	2.90
97	3	0	0	7.29	1.24	-1.32	11.49	-0.33	-5.29	-0.37	2.42	2.90
91	3	0	5	7.20	1.35	-0.52	11.49	0.25	-5.10	-0.44	2.34	2.98
92	3	0	5	7.33	1.37	-0.59	11.49	0.19	-5.04	-0.43	2.39	2.93
88	3	0	10	7.33	1.81	0.48	11.49	0.52	-4.29	-0.67	2.23	3.09
86	3	0	15	7.32	2.89	2.70	11.49	0.40	-2.85	-1.24	2.00	3.32

* Indicates model was close to heave stop

TABLE A1.211.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
114	3	10	-15	7.29	2.92	-5.49	11.49	-1.54	-3.28	-0.87	2.00	3.26
160	3	10	-10	7.35	1.84	-3.06	11.49	-1.54	-4.53	-0.44	2.25	3.01
164	3	10	-5	7.34	1.45	-2.04	11.49	-1.28	-5.18	-0.42	2.41	2.85
168	3	10	0	7.34	1.31	-1.19	11.49	-0.67	-5.29	-0.35	2.45	2.81
172	3	10	5	7.32	1.36	-0.60	11.49	-0.25	-5.20	-0.54	2.40	2.86
188	3	10	10	7.34	1.67	0.43	11.49	0.24	-4.21	-0.83	2.37	2.89
192	3	10	15	7.34	2.53	2.13	11.49	0.41	-2.68	-1.10	2.20	3.06
220	3	20	-15	7.34	2.67	-5.22	11.49	-1.30	-3.46	-0.63	2.07	3.00
216	3	20	-10	7.35	1.72	-2.96	11.49	-1.38	-4.52	-0.48	2.30	2.77
212	3	20	-5	7.33	1.34	-1.92	11.49	-1.18	-5.07	-0.40	2.43	2.64
204	3	20	5	7.35	1.28	-0.54	11.49	-0.32	-5.05	-0.61	2.49	2.58
208	3	20	5	7.35	1.17	-1.37	11.49	-0.31	-5.31	-0.45	2.47	2.60
200	3	20	10	7.35	1.68	0.53	11.49	0.16	-4.23	-0.94	2.37	2.70
196	3	20	15	7.34	2.43	1.85	11.49	0.26	-2.77	-1.20	2.24	2.83
420	6	-10	-15	7.36	2.18	-4.09	11.49	-1.93	-7.34	2.17	2.91	3.51
416	6	-10	-10	7.38	1.77	-3.23	11.49	-1.34	-8.03	1.43	2.97	3.45
412	6	-10	-5	7.38	1.48	-2.32	11.49	-0.76	-8.50	0.39	3.00	3.42
409	6	-10	-5	7.43	1.48	-2.26	11.49	-0.74	-8.46	0.40	3.01	3.41
394	6	-10	0	7.36	1.47	-1.26	11.49	0.01	-8.58	-0.51	2.99	3.43
398	6	-10	5	7.38	1.69	-0.22	11.49	0.68	-8.27	-1.45	2.90	3.52
402	6	-10	10	7.37	2.18	1.23	11.49	1.11	-7.57	-2.77	2.74	3.68
406	6	-10	15	7.37	3.21	3.50	11.49	1.13	-6.46	-4.81	2.56	3.86
296	6	0	-15	7.34	2.22	-3.96	11.49	-2.30	-7.75	1.97	2.87	3.61
292	6	0	-10	7.33	1.77	-2.82	11.49	-1.78	-8.48	1.02	2.97	3.51
288	6	0	-5	7.35	1.52	-1.84	11.49	-0.99	-8.96	0.29	3.02	3.46
268	6	0	0	7.34	1.37	-1.12	11.49	-0.31	-9.04	-0.54	3.03	3.45
274	6	0	5	7.32	1.66	-0.21	11.49	0.48	-8.70	-1.36	2.98	3.50
278	6	0	10	7.35	1.99	0.91	11.49	1.16	-7.99	-2.30	2.94	3.54
284	6	0	15	7.34	2.88	2.58	11.49	1.44	-7.02	-3.87	2.76	3.72
300	6	10	-15	7.35	2.46	-4.39	11.49	-2.41	-7.55	2.27	2.79	3.63
305	6	10	-10	7.33	1.79	-2.77	11.49	-2.05	-8.40	0.99	2.94	3.48
309	6	10	-5	7.33	1.58	-1.84	11.49	-1.46	-8.85	0.16	2.99	3.43
325	6	10	0	7.34	1.46	-0.81	11.49	-0.59	-9.06	-0.65	3.06	3.36
329	6	10	5	7.28	1.60	0.27	11.49	0.16	-8.73	-1.68	3.00	3.42
333	6	10	10	7.35	2.00	1.25	11.49	0.89	-8.05	-2.61	2.95	3.47
337	6	10	15	7.35	2.63	2.34	11.49	1.34	-7.16	-3.69	2.89	3.53
365	6	20	-15	7.33	2.85	-5.46	11.49	-2.32	-7.41	2.92	2.72	3.51
361	6	20	-10	7.33	1.99	-3.21	11.49	-2.12	-8.22	1.34	2.89	3.34
357	6	20	-5	7.34	1.67	-1.89	11.49	-1.62	-8.67	0.34	3.00	3.23
341	6	20	0	7.35	1.63	-0.70	11.49	-0.96	-8.73	-0.69	3.06	3.17
345	6	20	5	7.34	1.77	0.44	11.49	-0.27	-8.62	-1.75	3.10	3.13
349	6	20	10	7.34	2.16	1.69	11.49	0.40	-7.91	-2.97	3.05	3.18
353	6	20	15	7.31	2.62	2.33	11.49	1.00	-7.38	-3.61	3.09	3.14

* Indicates model was close to heave stop

TABLE A1.213.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
587	0	-10	-10	14.75	6.59	-13.43	11.49	1.28	8.83	-9.18	1.99	2.10
583	0	-10	-5	14.74	4.22	-8.78	11.49	0.05	5.69	-3.68	2.16	1.93
571	0	-10	0	14.71	3.67	-5.97	11.49	-0.57	2.92	-0.78	2.20	1.89
575	0	-10	5	14.74	5.06	-1.87	11.49	-1.47	4.31	0.25	1.86	2.23
579 *	0	-10	10	14.74	8.59	7.24	11.49	-3.55	7.39	2.66	1.43	2.66
466 *	0	0	-10	14.74	8.10	-17.04	11.49	1.19	4.98	-10.60	1.44	2.71
461	0	0	-5	14.77	4.46	-9.21	11.49	-0.35	4.45	-4.89	2.13	2.02
444	0	0	0	14.81	3.73	-6.47	11.49	-0.88	4.61	-1.60	2.16	1.99
448	0	0	5	14.81	4.50	-3.76	11.49	-1.49	5.93	0.66	2.02	2.13
452 *	0	0	10	14.81	7.97	4.54	11.49	-3.26	9.75	0.17	1.43	2.72
456 *	0	0	15	14.77	12.05	14.08	11.49	-4.62	11.75	2.26	1.43	2.72
536	0	10	-10	14.71	7.87	-18.26	11.49	0.31	1.92	-12.60	1.60	2.49
532	0	10	-5	14.70	4.47	-9.89	11.49	-0.83	1.29	-5.06	2.08	2.01
473	0	10	0	14.77	3.73	-7.19	11.49	-1.67	2.93	-2.67	2.15	1.94
478	0	10	5	14.64	4.11	-3.88	11.49	-1.40	5.83	0.35	2.15	1.94
527	0	10	10	14.71	6.11	0.64	11.49	-2.52	9.49	2.54	1.97	2.12
528	0	10	10	14.71	6.14	0.60	11.49	-2.55	9.54	2.52	1.97	2.12
562 *	0	20	-10	14.72	9.05	-18.36	11.49	2.93	12.97	-10.58	1.49	2.41
567	0	20	-8	14.74	6.38	-15.15	11.49	0.43	3.12	-8.87	1.85	2.05
557	0	20	-5	14.61	4.42	-9.93	11.49	-0.76	1.25	-4.28	2.13	1.77
558	0	20	-5	14.71	4.50	-10.24	11.49	-0.89	1.31	-4.42	2.13	1.77
540	0	20	0	14.70	3.53	-6.53	11.49	-1.23	1.13	-2.12	2.25	1.65
546	0	20	5	14.68	3.69	-4.01	11.49	-1.59	4.49	-0.71	2.20	1.70
550	0	20	10	14.68	4.39	-1.38	11.49	-2.05	6.17	0.49	2.45	1.45
252	3	-10	-15	14.74	3.31	-11.20	11.49	-2.51	-4.73	2.28	3.25	2.01
247	3	-10	-10	14.74	2.71	-9.26	11.49	-1.58	-3.84	1.08	3.14	2.12
243	3	-10	-5	14.72	2.37	-7.56	11.49	-0.83	-2.86	0.39	3.01	2.25
239	3	-10	0	14.74	2.51	-5.40	11.49	-0.39	-2.86	-0.58	2.91	2.35
235	3	-10	5	14.74	3.45	-2.35	11.49	-0.30	-1.86	-2.24	2.75	2.51
231	3	-10	10	14.72	6.20	5.02	11.49	-1.25	1.82	-5.60	2.33	2.93
227 *	3	-10	15	14.73	13.96	22.76	11.49	-5.04	9.39	-6.82	1.45	3.81
111	3	0	-15	14.74	6.67	-16.67	11.49	-1.24	2.11	0.07	2.50	2.82
106	3	0	-10	14.78	3.41	-9.74	11.49	-2.04	-2.52	-0.22	2.83	2.49
102	3	0	-5	14.78	2.59	-7.33	11.49	-1.59	-3.74	-0.50	2.89	2.43
98	3	0	0	14.78	2.24	-5.60	11.49	-0.93	-3.99	-0.70	2.93	2.39
94	3	0	5	14.78	2.93	-3.11	11.49	-0.36	-2.94	-1.63	2.85	2.47
89	3	0	10	14.78	4.67	0.91	11.49	-0.35	-0.05	-3.41	2.59	2.73
85	3	0	15	14.78	9.82	11.66	11.49	-2.37	6.00	-6.95	2.10	3.22

* Indicates model was close to heave stop

TABLE A1.213.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
115	3	10	-15	14.74	10.39	-25.29	11.49	0.30	5.17	-0.88	1.95	3.31
155	3	10	-15	14.67	9.76	-23.59	11.49	-0.24	4.84	0.09	2.12	3.14
156	3	10	-15	14.77	9.82	-23.86	11.49	0.06	4.80	-0.08	2.10	3.16
161	3	10	-10	14.81	4.26	-11.29	11.49	-1.96	-1.36	0.70	2.63	2.63
165	3	10	-5	14.81	2.74	-7.29	11.49	-2.06	-3.50	-0.50	2.93	2.33
169	3	10	0	14.81	2.39	-5.27	11.49	-1.43	-4.06	-1.23	3.00	2.26
173	3	10	5	14.81	2.39	-3.61	11.49	-0.62	-4.82	-1.76	3.13	2.13
189	3	10	10	14.77	2.98	-1.73	11.49	0.17	-5.14	-2.94	3.20	2.06
193	3	10	15	14.78	4.16	0.65	11.49	0.88	-4.48	-4.56	3.18	2.08
221	3	20	-15	14.74	8.83	-22.05	11.49	-0.42	2.33	0.02	2.18	2.89
217	3	20	-10	14.73	4.22	-11.37	11.49	-1.68	-1.21	0.95	2.68	2.39
213	3	20	-5	14.74	2.67	-7.02	11.49	-1.90	-3.46	-0.35	2.93	2.14
209	3	20	0	14.74	2.36	-5.14	11.49	-1.54	-3.95	-1.45	3.02	2.05
205	3	20	5	14.75	2.38	-3.45	11.49	-0.73	-5.10	-2.16	3.20	1.87
201	3	20	10	14.75	2.90	-1.62	11.49	0.19	-6.06	-3.50	3.29	1.78
197	3	20	15	14.74	3.78	0.33	11.49	1.34	-7.04	-5.48	3.38	1.69
421	6	-10	-15	14.82	2.52	-9.67	11.49	-4.22	-12.72	4.39	4.55	1.87
417	6	-10	-10	14.82	2.07	-8.67	11.49	-2.85	-12.03	2.96	4.41	2.01
413	6	-10	-5	14.80	1.78	-7.68	11.49	-1.64	-10.59	1.55	4.25	2.17
395	6	-10	0	14.81	2.11	-6.43	11.49	-0.52	-8.65	0.22	3.96	2.46
399	6	-10	5	14.79	2.75	-3.38	11.49	0.03	-7.67	-3.42	3.73	2.69
403	6	-10	10	14.78	4.30	1.41	11.49	-0.13	-5.56	-8.35	3.36	3.06
407	6	-10	15	14.81	7.82	9.82	11.49	-1.64	-1.64	-15.65	2.89	3.53
297	6	0	-15	14.74	2.91	-9.51	11.49	-4.01	-9.56	3.30	4.14	2.34
293	6	0	-10	14.74	2.18	-7.98	11.49	-3.14	-10.60	1.74	4.26	2.22
289	6	0	-5	14.72	1.75	-6.82	11.49	-2.10	-10.96	0.48	4.30	2.18
269	6	0	0	14.72	1.77	-5.52	11.49	-0.89	-10.94	-0.71	4.28	2.20
275	6	0	5	14.70	2.12	-4.26	11.49	0.21	-10.34	-1.98	4.22	2.26
279	6	0	10	14.71	3.02	-2.23	11.49	1.00	-9.37	-4.40	4.05	2.43
280	6	0	10	14.70	2.98	-2.30	11.49	0.96	-9.32	-4.37	4.06	2.42
285	6	0	15	14.72	4.76	1.49	11.49	1.11	-7.00	-8.54	3.77	2.71
302	6	10	-15	14.72	4.34	-12.47	11.49	-2.91	-6.02	5.96	3.50	2.92
306	6	10	-10	14.74	2.75	-8.17	11.49	-3.07	-8.15	1.75	3.83	2.59
310	6	10	-5	14.74	2.03	-6.03	11.49	-2.40	-9.60	-0.50	4.09	2.33
326	6	10	0	14.71	1.73	-4.86	11.49	-1.49	-11.38	-1.88	4.34	2.08
330	6	10	5	14.67	1.86	-3.71	11.49	-0.26	-12.70	-3.47	4.52	1.90
334	6	10	10	14.67	2.29	-2.65	11.49	1.09	-13.58	-5.01	4.65	1.77
338	6	10	15	14.70	2.96	-1.69	11.49	2.37	-13.91	-6.70	4.72	1.70
366	6	20	-15	14.74	5.99	-16.94	11.49	-1.87	-5.23	9.21	3.22	3.01
362	6	20	-10	14.74	3.41	-9.90	11.49	-2.76	-7.12	3.51	3.61	2.62
358	6	20	-5	14.74	2.60	-6.20	11.49	-2.64	-8.29	-0.11	3.85	2.38
342	6	20	0	14.71	2.06	-4.06	11.49	-1.91	-10.10	-2.61	4.22	2.01
346	6	20	5	14.74	2.17	-3.49	11.49	-0.91	-12.12	-3.89	4.62	1.61
350	6	20	10	14.75	2.40	-2.97	11.49	0.33	-13.58	-4.90	4.86	1.37
354	6	20	15	14.74	2.65	-2.74	11.49	1.54	-14.22	-5.62	5.04	1.19

* Indicates model was close to heave stop

TABLE A1.214.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
588	0	-10	-10	19.67	10.84	-22.51	11.49	2.11	17.46	-15.85	2.06	2.03
584	0	-10	-5	19.62	6.63	-14.71	11.49	-0.41	11.97	-5.61	2.32	1.77
572	0	-10	0	19.63	6.13	-11.24	11.49	-1.56	9.18	-0.70	2.18	1.91
576 *	0	-10	5	19.63	10.27	-2.42	11.49	-3.31	11.11	-1.23	1.44	2.65
580 *	0	-10	10	19.62	14.34	12.93	11.49	-6.57	13.63	4.35	1.43	2.66
467 *	0	0	-10	19.68	13.88	-29.48	11.49	1.71	10.90	-19.63	1.43	2.72
462	0	0	-5	19.70	7.53	-16.10	11.49	-0.36	10.37	-8.93	2.13	2.02
445	0	0	0	19.67	5.78	-11.78	11.49	-1.76	10.02	-2.07	2.26	1.89
449	0	0	5	19.68	7.43	-7.07	11.49	-2.84	12.16	1.35	2.08	2.07
453 *	0	0	10	19.69	13.34	6.66	11.49	-5.88	17.89	1.67	1.43	2.72
457 *	0	0	15	19.67	20.94	23.97	11.49	-9.00	21.05	4.56	1.42	2.73
537 *	0	10	-10	19.61	14.45	-33.86	11.49	2.08	5.54	-26.39	1.43	2.66
533	0	10	-5	19.62	8.52	-18.10	11.49	-0.88	5.52	-10.41	1.87	2.22
474	0	10	0	19.68	6.19	-11.83	11.49	-1.39	8.99	-4.07	2.16	1.93
519	0	10	0	19.81	6.19	-12.18	11.49	-1.61	9.28	-4.28	2.16	1.93
520	0	10	0	19.45	6.04	-11.91	11.49	-1.56	8.85	-4.16	2.17	1.92
479	0	10	5	19.88	6.04	-8.65	11.49	-2.45	9.91	-0.19	2.46	1.63
521	0	10	5	19.76	5.96	-8.73	11.49	-2.39	9.99	-0.20	2.43	1.66
529	0	10	10	19.75	7.96	-2.97	11.49	-3.35	13.04	2.74	2.42	1.67
563	0	20	-10	19.62	14.52	-29.30	11.49	4.97	24.06	-18.66	1.61	2.29
566 *	0	20	-8	19.62	13.33	-31.18	11.49	1.61	6.89	-25.68	1.44	2.46
554	0	20	-5	19.45	8.18	-17.70	11.49	-0.60	4.41	-9.72	2.01	1.89
559	0	20	-5	19.74	8.68	-19.56	11.49	-1.26	4.69	-11.02	1.96	1.94
541	0	20	0	19.56	6.68	-11.51	11.49	-1.84	4.29	-3.90	2.12	1.78
547	0	20	5	19.55	5.53	-9.04	11.49	-2.58	8.60	-1.35	2.51	1.39
564	0	20	5	19.62	5.68	-8.88	11.49	-2.61	8.90	-1.19	2.49	1.41
551	0	20	10	19.57	5.58	-5.89	11.49	-3.22	6.08	-1.24	2.93	0.97
552	0	20	10	19.50	5.57	-5.79	11.49	-3.23	6.08	-1.25	2.93	0.97
565	0	20	10	19.62	5.55	-6.30	11.49	-3.28	6.51	-1.06	2.90	1.00
253	3	-10	-15	19.68	3.70	-16.83	11.49	-4.51	-9.49	5.17	3.73	1.53
248	3	-10	-10	19.64	3.07	-14.66	11.49	-3.11	-7.83	2.94	3.62	1.64
249	3	-10	-10	19.68	2.97	-14.63	11.49	-3.12	-7.86	2.90	3.64	1.62
244	3	-10	-5	19.68	2.99	-12.73	11.49	-1.99	-4.78	0.92	3.41	1.85
240	3	-10	0	19.67	3.44	-10.03	11.49	-1.05	-1.59	-0.73	3.17	2.09
236	3	-10	5	19.68	5.01	-5.17	11.49	-1.21	0.56	-4.26	2.96	2.30
232	3	-10	10	19.67	10.70	9.37	11.49	-3.55	9.51	-9.63	2.24	3.02
228 *	3	-10	15	19.69	23.27	39.49	11.49	-9.90	21.17	-11.74	1.44	3.82
254 *	3	-10	15	19.63	23.20	39.18	11.49	-10.21	21.03	-11.40	1.45	3.81
112	3	0	-15	19.69	8.89	-25.31	11.49	-2.13	4.16	1.86	2.76	2.56
107	3	0	-10	19.75	3.81	-14.91	11.49	-3.27	-3.96	0.89	3.27	2.05
103	3	0	-5	19.73	3.23	-12.36	11.49	-2.50	-5.06	0.06	3.31	2.01
99	3	0	0	19.74	3.15	-10.16	11.49	-1.59	-4.83	-0.65	3.29	2.03
95	3	0	5	19.70	3.90	-7.06	11.49	-0.79	-3.44	-2.40	3.20	2.12
82	3	0	10	19.69	6.28	-1.62	11.49	-0.87	1.00	-5.41	2.99	2.33
84	3	0	15	19.63	15.21	16.93	11.49	-4.52	13.49	-10.58	2.20	3.12

* Indicates model was close to heave stop

TABLE A1.214.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.117, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
158	3	10	-15	19.63	15.68	-39.20	11.49	-0.66	10.52	-3.38	2.20	3.06
162	3	10	-10	19.76	5.34	-16.71	11.49	-2.85	0.27	1.40	3.01	2.25
166	3	10	-5	19.75	3.64	-12.13	11.49	-2.93	-2.90	-0.66	3.18	2.08
170	3	10	0	19.76	2.99	-9.86	11.49	-2.13	-6.02	-1.58	3.40	1.86
174	3	10	5	19.73	3.05	-7.78	11.49	-1.04	-8.72	-3.47	3.61	1.65
186	3	10	5	19.73	2.92	-7.77	11.49	-1.13	-8.76	-3.57	3.63	1.63
190	3	10	10	19.69	3.54	-5.55	11.49	0.08	-10.22	-6.11	3.69	1.57
194	3	10	15	19.68	4.71	-3.01	11.49	1.49	-10.94	-8.99	3.74	1.52
222	3	20	-15	19.64	10.92	-30.20	11.49	-1.14	5.34	1.49	2.73	2.34
224	3	20	-14	19.62	14.49	-38.02	11.49	0.79	11.45	0.31	2.11	2.96
223	3	20	-13	19.64	11.94	-31.79	11.49	-0.62	8.61	1.25	2.28	2.79
218	3	20	-10	19.64	5.69	-17.39	11.49	-2.40	0.92	1.82	2.93	2.14
214	3	20	-5	19.70	3.58	-11.92	11.49	-2.87	-2.51	-0.55	3.17	1.90
210	3	20	0	19.69	2.95	-9.76	11.49	-2.27	-5.75	-1.72	3.43	1.64
206	3	20	5	19.69	2.95	-7.83	11.49	-1.29	-8.87	-3.65	3.68	1.39
202	3	20	10	19.69	3.47	-5.69	11.49	-0.08	-10.54	-6.02	3.75	1.32
198	3	20	15	19.68	4.44	-3.68	11.49	1.13	-11.31	-8.65	3.80	1.27
422	6	-10	-15	19.68	2.48	-14.29	11.49	-5.28	-14.83	4.10	4.99	1.43
418	6	-10	-10	19.68	1.99	-13.13	11.49	-3.93	-14.44	2.40	4.99	1.43
414	6	-10	-5	19.68	1.80	-12.10	11.49	-2.61	-13.82	0.96	4.93	1.49
396	6	-10	0	19.70	2.08	-10.75	11.49	-1.27	-12.55	-0.61	4.77	1.65
400	6	-10	5	19.70	2.84	-8.62	11.49	-0.37	-10.33	-3.46	4.51	1.91
404	6	-10	10	19.67	4.83	-3.14	11.49	-0.40	-7.27	-10.19	4.08	2.34
408	6	-10	15	19.67	10.39	11.07	11.49	-3.45	0.37	-24.13	3.29	3.13
298	6	0	-15	19.68	2.90	-14.96	11.49	-6.05	-14.49	5.17	4.95	1.53
294	6	0	-10	19.67	2.25	-13.38	11.49	-4.66	-14.79	2.95	5.00	1.48
290	6	0	-5	19.67	1.77	-11.87	11.49	-3.30	-15.14	0.75	5.01	1.47
270	6	0	0	19.64	1.73	-9.92	11.49	-1.57	-15.02	-1.21	5.03	1.45
272	6	0	0	19.61	1.67	-10.31	11.49	-1.83	-15.11	-1.38	5.04	1.44
276	6	0	5	19.61	2.20	-8.73	11.49	-0.38	-15.06	-3.51	4.99	1.49
281	6	0	10	19.62	2.81	-7.27	11.49	1.03	-14.69	-5.66	4.97	1.51
286	6	0	15	19.64	3.77	-5.63	11.49	2.36	-13.91	-7.95	4.92	1.56
303	6	10	-15	19.68	4.00	-16.40	11.49	-4.88	-8.65	6.40	4.44	1.98
307	6	10	-10	19.68	2.68	-13.06	11.49	-4.66	-11.24	2.14	4.64	1.78
311	6	10	-5	19.68	2.04	-11.61	11.49	-3.68	-13.46	0.35	4.91	1.51
322	6	10	-5	19.58	2.10	-11.68	11.49	-3.82	-13.43	0.28	4.91	1.51
327	6	10	0	19.61	1.83	-10.34	11.49	-2.53	-14.83	-1.39	5.01	1.41
331	6	10	5	19.58	1.84	-9.24	11.49	-1.21	-15.17	-2.92	5.12	1.30
335	6	10	10	19.57	2.35	-8.08	11.49	0.17	-15.93	-4.81	5.12	1.30
339	6	10	15	19.62	3.04	-6.81	11.49	1.53	-15.94	-6.78	5.13	1.29
367	6	20	-15	19.63	7.06	-23.90	11.49	-2.32	-5.28	13.91	3.80	2.43
363	6	20	-10	19.63	3.73	-14.88	11.49	-3.92	-8.15	4.57	4.33	1.90
359	6	20	-5	19.63	2.78	-10.73	11.49	-3.93	-10.41	-0.60	4.57	1.66
343	6	20	0	19.62	2.06	-9.88	11.49	-2.93	-13.49	-1.91	5.04	1.19
347	6	20	5	19.61	2.07	-9.38	11.49	-1.70	-15.23	-2.85	5.24	0.99
351	6	20	10	19.62	2.15	-9.15	11.49	-0.30	-15.90	-3.33	5.39	0.84
355	6	20	15	19.64	2.30	-9.07	11.49	1.04	-15.97	-3.70	5.48	0.75

* Indicates model was close to heave stop

TABLE A1.220.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2934	0	-10	-15	0	0.02	-0.08	11.49	-0.43	-3.57	0.03	2.26	1.83
2930	0	-10	-10	0	0.03	-0.06	11.49	-0.08	-3.55	-0.01	2.27	1.82
2926	0	-10	-5	0	0.03	-0.02	11.49	0.26	-3.53	-0.05	2.26	1.83
2912	0	-10	0	0	0.04	-0.05	11.49	0.49	-3.36	0.02	2.27	1.82
2916	0	-10	5	0	0.01	0.01	11.49	0.88	-3.39	0.01	2.27	1.82
2920	0	-10	10	0	0.00	-0.03	11.49	1.15	-3.28	0.02	2.28	1.81
2924	0	-10	15	0	-0.00	-0.05	11.49	1.39	-3.22	0.02	2.26	1.83
2830	0	0	-15	0	0.06	-0.07	11.49	-0.89	-3.79	0.00	2.23	1.92
2831	0	0	-15	0	0.07	-0.06	11.49	-0.89	-3.78	0.00	2.23	1.92
2825	0	0	-10	0	0.06	-0.05	11.49	-0.56	-3.74	-0.01	2.28	1.87
2821	0	0	-5	0	0.05	-0.04	11.49	-0.20	-3.67	-0.01	2.28	1.87
2797	0	0	0	0	0.03	0.02	11.49	0.11	-3.61	-0.03	2.24	1.91
2802	0	0	5	0	0.05	0.01	11.49	0.43	-3.67	-0.01	2.24	1.91
2816	0	0	10	0	0.08	0.06	11.49	0.81	-3.57	0.09	2.28	1.87
2859	0	10	-15	0	0.08	-0.09	11.49	-1.37	-3.65	-0.03	2.27	1.82
2855	0	10	-10	0	0.07	-0.04	11.49	-1.00	-3.84	-0.02	2.26	1.83
2851	0	10	-5	0	0.06	-0.03	11.49	-0.65	-3.68	-0.01	2.32	1.77
2835	0	10	0	0	0.02	-0.09	11.49	-0.37	-3.60	0.02	2.33	1.76
2839	0	10	5	0	0.01	-0.06	11.49	-0.00	-3.74	0.05	2.31	1.78
2843	0	10	10	0	0.04	-0.07	11.49	0.31	-3.71	0.03	2.32	1.77
2847	0	10	15	0	0.04	-0.08	11.49	0.62	-3.65	0.04	2.33	1.76
2895	0	20	-15	0	0.09	-0.03	11.49	-1.58	-3.96	0.01	2.25	1.65
2889	0	20	-10	0	0.06	0.01	11.49	-1.11	-3.73	0.01	2.40	1.50
2891	0	20	-10	0	0.08	-0.03	11.49	-1.13	-3.70	0.02	2.40	1.50
2880	0	20	-5	0	0.06	-0.07	11.49	-0.42	-0.13	-0.03	2.36	1.54
2885	0	20	-5	0	0.05	-0.03	11.49	-0.77	-3.73	0.01	2.42	1.48
2864	0	20	0	0	0.04	-0.05	11.49	-0.48	-3.66	-0.01	2.46	1.44
2868	0	20	5	0	0.00	-0.07	11.49	-0.13	-3.77	0.00	2.40	1.50
2872	0	20	10	0	0.02	-0.06	11.49	0.21	-3.78	0.01	2.41	1.49
2876	0	20	15	0	0.06	-0.05	11.49	0.53	-3.74	0.00	2.40	1.50
3072	3	-10	-15	0	0.01	-0.02	11.49	-1.77	-8.53	0.02	2.65	2.61
3068	3	-10	-10	0	0.01	0.00	11.49	-0.97	-8.66	0.00	2.65	2.61
3064	3	-10	-5	0	0.02	0.02	11.49	-0.21	-8.67	0.01	2.64	2.62
3047	3	-10	0	0	-0.03	-0.08	11.49	0.49	-8.55	-0.02	2.65	2.61
3051	3	-10	5	0	0.01	-0.02	11.49	1.27	-8.57	0.03	2.64	2.62
3056	3	-10	10	0	0.01	-0.01	11.49	2.01	-8.44	0.03	2.64	2.62
3061	3	-10	15	0	0.01	0.01	11.49	2.74	-8.27	0.01	2.65	2.61
2967	3	0	-15	0	0.00	-0.01	11.49	-2.22	-8.85	0.03	2.53	2.79
2962	3	0	-10	0	0.00	-0.02	11.49	-1.45	-9.01	0.06	2.52	2.80
2958	3	0	-5	0	0.01	-0.02	11.49	-0.64	-9.11	0.04	2.51	2.81
2942	3	0	0	0	-0.01	-0.04	11.49	0.13	-8.89	0.03	2.52	2.80
2946	3	0	5	0	-0.00	-0.02	11.49	0.95	-9.00	0.09	2.50	2.82
2950	3	0	10	0	0.02	-0.02	11.49	1.72	-8.89	0.05	2.50	2.82
2954	3	0	15	0	0.02	-0.05	11.49	2.45	-8.69	0.02	2.52	2.80

* Indicates model was close to heave stop

TABLE A1.220.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 0

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2984	3	10	-15	0	-0.01	-0.01	11.49	-2.48	-8.53	0.03	2.54	2.72
2980	3	10	-10	0	0.01	-0.05	11.49	-1.77	-8.72	0.01	2.54	2.72
2976	3	10	-5	0	0.01	-0.04	11.49	-1.02	-8.79	0.02	2.55	2.71
2972	3	10	0	0	0.00	0.05	11.49	-0.18	-8.65	0.02	2.57	2.69
2989	3	10	5	0	0.03	-0.03	11.49	0.56	-8.93	0.00	2.51	2.75
2993	3	10	10	0	0.01	-0.01	11.49	1.37	-8.85	0.04	2.51	2.75
2997	3	10	15	0	0.01	-0.04	11.49	2.07	-8.70	0.01	2.52	2.74
3042	3	20	-15	0	0.03	-0.01	11.49	-2.57	-8.10	0.02	2.65	2.42
3037	3	20	-10	0	0.02	-0.03	11.49	-1.87	-8.23	0.06	2.65	2.42
3033	3	20	-5	0	0.03	-0.02	11.49	-1.11	-8.34	0.02	2.65	2.42
3003	3	20	0	0	0.02	0.00	11.49	-0.39	-8.44	0.02	2.61	2.46
3007	3	20	5	0	0.02	-0.05	11.49	0.31	-8.61	0.02	2.58	2.49
3024	3	20	10	0	-0.01	-0.05	11.49	1.02	-8.35	0.07	2.61	2.46
3029	3	20	15	0	0.01	-0.08	11.49	1.70	-8.27	0.10	2.64	2.43
3198	6	-10	-15	0	-0.02	0.05	11.49	-2.70	-11.83	0.05	3.01	3.41
3194	6	-10	-10	0	-0.02	0.05	11.49	-1.63	-11.82	0.04	3.03	3.39
3190	6	-10	-5	0	-0.01	0.05	11.49	-0.62	-12.10	0.04	3.01	3.41
3186	6	-10	0	0	-0.02	0.07	11.49	0.43	-11.75	0.03	3.06	3.36
3202	6	-10	5	0	0.00	0.05	11.49	1.51	-11.82	0.05	3.03	3.39
3206	6	-10	10	0	0.02	0.04	11.49	2.47	-11.67	0.03	3.04	3.38
3210	6	-10	15	0	0.01	0.05	11.49	3.46	-11.31	0.05	3.06	3.36
3106	6	0	-15	0	-0.02	0.03	11.49	-2.99	-11.88	0.02	3.03	3.45
3101	6	0	-10	0	-0.02	0.04	11.49	-1.93	-12.15	0.03	3.02	3.46
3097	6	0	-5	0	0.01	0.02	11.49	-0.86	-12.18	0.04	3.03	3.45
3079	6	0	0	0	-0:01	0.02	11.49	0.14	-12.17	0.00	3.01	3.47
3093	6	0	15	0	0.01	0.02	11.49	3.33	-11.74	0.04	3.02	3.46
3150	6	10	-15	0	-0.02	0.01	11.49	-3.20	-11.66	0.02	3.03	3.39
3146	6	10	-10	0	-0.02	0.03	11.49	-2.16	-11.87	0.02	3.02	3.40
3142	6	10	-5	0	-0.01	0.02	11.49	-1.11	-12.00	0.03	3.02	3.40
3125	6	10	0	0	-0.07	0.09	11.49	-0.06	-11.55	0.05	3.05	3.37
3129	6	10	5	0	-0.01	0.01	11.49	0.95	-12.02	0.04	2.99	3.43
3134	6	10	10	0	0.00	0.01	11.49	1.97	-11.82	0.04	3.01	3.41
3138	6	10	15	0	0.03	-0.01	11.49	2.99	-11.59	0.01	3.02	3.40
3168	6	20	-15	0	-0.02	0.06	11.49	-3.30	-11.32	0.05	3.02	3.21
3164	6	20	-10	0	-0.01	0.03	11.49	-2.33	-11.54	0.05	3.03	3.20
3160	6	20	-5	0	-0.01	0.06	11.49	-1.26	-11.51	0.04	3.05	3.18
3156	6	20	0	0	-0.03	0.02	11.49	-0.32	-11.43	0.06	3.12	3.11
3172	6	20	5	0	-0.00	-0.01	11.49	0.71	-11.85	0.04	3.01	3.22
3176	6	20	10	0	-0.00	0.04	11.49	1.69	-11.24	0.05	3.12	3.11
3180	6	20	15	0	0.03	0.06	11.49	2.72	-11.21	0.06	3.08	3.15

* Indicates model was close to heave stop

TABLE A1.221.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN		Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2935		0	-10	-15	7.36	3.42	-8.43	11.49	0.58	1.12	-7.35	1.54	2.55
2936		0	-10	-15	7.36	3.32	-8.33	11.49	0.55	1.06	-7.17	1.58	2.51
2931		0	-10	-10	7.36	2.09	-6.00	11.49	0.17	0.39	-4.37	1.89	2.20
2927		0	-10	-5	7.36	1.52	-4.43	11.49	0.09	0.21	-2.37	2.02	2.07
2913		0	-10	0	7.35	1.27	-3.56	11.49	-0.09	0.32	-1.05	2.03	2.06
2917		0	-10	5	7.36	1.38	-2.76	11.49	-0.24	0.98	-0.06	1.95	2.14
2921		0	-10	10	7.36	2.12	-1.23	11.49	-0.76	2.30	0.56	1.69	2.40
2925	*	0	-10	15	7.36	3.62	1.65	11.49	-2.09	4.24	1.98	1.34	2.75
2832	*	0	0	-15	7.36	3.95	-9.87	11.49	0.22	0.36	-8.43	1.46	2.69
2826		0	0	-10	7.36	2.24	-6.26	11.49	-0.02	0.37	-4.50	1.83	2.32
2822		0	0	-5	7.36	1.50	-4.51	11.49	-0.19	-0.05	-2.36	2.01	2.14
2799		0	0	0	7.35	1.33	-3.58	11.49	-0.34	0.19	-1.11	2.03	2.12
2803		0	0	5	7.35	1.43	-2.99	11.49	-0.44	0.78	-0.21	1.95	2.20
2817		0	0	10	7.35	1.90	-1.81	11.49	-0.81	1.96	0.77	1.80	2.35
2860	*	0	10	-15	7.36	4.01	-9.05	11.49	0.39	0.98	-8.13	1.46	2.63
2856		0	10	-10	7.37	2.45	-6.78	11.49	-0.36	0.04	-5.12	1.78	2.31
2852		0	10	-5	7.37	1.61	-4.71	11.49	-0.63	-0.27	-2.67	2.04	2.05
2836		0	10	0	7.36	1.30	-3.77	11.49	-0.87	-0.07	-1.35	2.11	1.98
2840		0	10	5	7.36	1.39	-2.98	11.49	-0.90	0.47	-0.36	2.07	2.02
2844		0	10	10	7.36	1.81	-2.07	11.49	-1.05	1.41	0.51	1.97	2.12
2848		0	10	15	7.37	2.94	-0.11	11.49	-1.86	3.59	1.69	1.68	2.41
2849		0	10	15	7.36	2.96	-0.10	11.49	-1.83	3.59	1.67	1.67	2.42
2894	*	0	20	-15	7.36	4.22	-9.14	11.49	0.50	0.98	-8.40	1.46	2.44
2890		0	20	-10	7.37	2.40	-6.06	11.49	-0.51	-0.15	-4.52	1.90	2.00
2886		0	20	-5	7.36	1.65	-4.71	11.49	-0.83	-0.31	-2.77	2.15	1.75
2865		0	20	0	7.35	1.27	-3.66	11.49	-1.01	-0.06	-1.57	2.22	1.68
2869		0	20	5	7.36	1.32	-2.91	11.49	-1.14	0.29	-0.75	2.14	1.76
2873		0	20	10	7.36	1.69	-1.83	11.49	-1.36	1.29	0.23	2.07	1.83
2877		0	20	15	7.36	2.68	-0.19	11.49	-1.84	2.85	1.38	1.91	1.99
3073		3	-10	-15	7.35	2.35	-6.26	11.49	-1.08	-2.79	-1.30	2.40	2.86
3069		3	-10	-10	7.34	1.65	-4.68	11.49	-0.84	-4.19	-1.04	2.55	2.71
3065		3	-10	-5	7.34	1.34	-3.59	11.49	-0.45	-4.78	-0.87	2.57	2.69
3048		3	-10	0	7.34	1.25	-2.86	11.49	-0.01	-4.77	-0.93	2.58	2.68
3052		3	-10	5	7.35	1.47	-2.00	11.49	0.33	-4.15	-1.08	2.50	2.76
3057		3	-10	10	7.35	2.07	-0.54	11.49	0.27	-2.81	-1.51	2.30	2.96
3060		3	-10	15	7.35	3.67	2.81	11.49	-0.47	-0.78	-2.49	1.93	3.33
2968		3	0	-15	7.36	2.68	-6.94	11.49	-1.74	-3.92	-1.65	2.19	3.13
2963		3	0	-10	7.36	1.75	-4.95	11.49	-1.46	-5.07	-0.98	2.42	2.90
2959		3	0	-5	7.36	1.42	-3.82	11.49	-0.99	-5.34	-0.80	2.48	2.84
2943		3	0	0	7.36	1.28	-3.10	11.49	-0.42	-5.17	-0.83	2.46	2.86
2947		3	0	5	7.36	1.45	-2.32	11.49	0.06	-4.58	-0.94	2.40	2.92
2951		3	0	10	7.36	1.95	-1.14	11.49	0.22	-3.42	-1.31	2.27	3.05
2955		3	0	15	7.36	3.20	1.36	11.49	-0.17	-1.43	-2.26	2.00	3.32

* Indicates model was close to heave stop

TABLE A1.221.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 1.5

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2985	3	10	-15	7.36	2.75	-7.01	11.49	-1.95	-4.20	-1.61	2.19	3.07
2986	3	10	-15	7.36	2.74	-7.00	11.49	-1.93	-4.18	-1.68	2.18	3.08
2981	3	10	-10	7.36	1.80	-4.94	11.49	-1.75	-4.97	-1.07	2.41	2.85
2977	3	10	-5	7.36	1.45	-3.92	11.49	-1.38	-5.33	-0.84	2.50	2.76
2973	3	10	0	7.37	1.31	-3.05	11.49	-0.82	-5.31	-0.78	2.53	2.73
2990	3	10	5	7.36	1.46	-2.43	11.49	-0.41	-4.94	-0.98	2.46	2.80
2994	3	10	10	7.36	1.81	-1.28	11.49	0.06	-3.75	-1.39	2.39	2.87
2998	3	10	15	7.36	2.70	0.30	11.49	-0.09	-1.90	-1.96	2.21	3.05
3043	3	20	-15	7.34	2.73	-6.62	11.49	-1.44	-3.90	-1.95	2.20	2.87
3038	3	20	-10	7.34	1.80	-5.09	11.49	-1.69	-4.77	-1.12	2.46	2.61
3034	3	20	-5	7.34	1.46	-3.63	11.49	-1.39	-5.08	-0.85	2.59	2.48
3004	3	20	0	7.36	1.33	-2.95	11.49	-1.08	-5.05	-0.88	2.57	2.50
3008	3	20	5	7.36	1.46	-2.11	11.49	-0.69	-4.88	-1.13	2.55	2.52
3025	3	20	10	7.34	1.73	-1.01	11.49	-0.37	-4.16	-1.56	2.50	2.57
3030	3	20	15	7.33	2.41	0.11	11.49	-0.26	-2.65	-1.86	2.46	2.61
3199	6	-10	-15	7.35	2.24	-5.75	11.49	-2.14	-7.46	1.89	3.15	3.27
3195	6	-10	-10	7.35	1.79	-4.69	11.49	-1.56	-8.28	0.88	3.20	3.22
3191	6	-10	-5	7.36	1.57	-3.68	11.49	-0.87	-8.72	-0.12	3.20	3.22
3187	6	-10	0	7.36	1.52	-2.58	11.49	-0.12	-8.71	-1.08	3.16	3.26
3203	6	-10	5	7.35	1.85	-1.48	11.49	0.59	-8.20	-2.06	3.05	3.37
3207	6	-10	10	7.35	2.44	0.12	11.49	0.90	-7.26	-3.60	2.89	3.53
3211	6	-10	15	7.35	3.78	3.18	11.49	0.64	-5.47	-6.20	2.66	3.76
3212	6	-10	15	7.36	3.96	3.42	11.49	0.69	-5.53	-6.31	2.59	3.83
3107	6	0	-15	7.34	2.30	-5.60	11.49	-2.70	-8.12	1.52	3.05	3.43
3102	6	0	-10	7.34	1.82	-4.52	11.49	-2.05	-8.84	0.68	3.15	3.33
3098	6	0	-5	7.34	1.61	-3.53	11.49	-1.23	-9.02	-0.14	3.23	3.25
3082	6	0	0	7.34	1.49	-2.59	11.49	-0.40	-8.92	-0.98	3.19	3.29
3085	6	0	5	7.34	1.72	-1.66	11.49	0.36	-8.49	-1.86	3.12	3.36
3090	6	0	10	7.34	2.27	-0.35	11.49	0.96	-7.64	-3.10	3.00	3.48
3094	6	0	15	7.34	3.24	1.63	11.49	0.99	-6.30	-5.07	2.78	3.70
3151	6	10	-15	7.33	2.42	-5.73	11.49	-2.83	-8.09	1.61	2.96	3.46
3147	6	10	-10	7.33	1.80	-4.31	11.49	-2.29	-8.72	0.63	3.12	3.30
3143	6	10	-5	7.33	1.58	-3.28	11.49	-1.50	-9.03	-0.17	3.20	3.22
3126	6	10	0	7.32	1.49	-2.29	11.49	-0.73	-8.91	-0.99	3.18	3.24
3130	6	10	5	7.32	1.70	-1.28	11.49	-0.04	-8.44	-2.18	3.15	3.27
3135	6	10	10	7.33	2.16	-0.33	11.49	0.63	-7.60	-3.09	3.10	3.32
3139	6	10	15	7.33	2.98	1.00	11.49	1.06	-6.53	-4.44	3.01	3.41
3169	6	20	-15	7.34	2.69	-6.45	11.49	-2.70	-8.00	1.96	2.90	3.33
3165	6	20	-10	7.34	1.95	-4.51	11.49	-2.38	-8.66	0.71	3.04	3.19
3161	6	20	-5	7.33	1.68	-3.25	11.49	-1.70	-8.91	-0.17	3.14	3.09
3157	6	20	0	7.34	1.63	-2.23	11.49	-1.07	-8.87	-1.06	3.25	2.98
3173	6	20	5	7.34	2.00	-0.90	11.49	-0.34	-8.69	-2.27	3.21	3.02
3177	6	20	10	7.34	2.37	0.14	11.49	0.32	-7.70	-3.30	3.24	2.99
3181	6	20	15	7.34	2.94	1.00	11.49	0.99	-7.06	-4.14	3.28	2.95

* Indicates model was close to heave stop

TABLE A1.223.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2937 *	0	-10	-15	14.75	14.06	-35.27	11.49	-0.15	6.18	-23.12	1.46	2.63
2939 *	0	-10	-15	14.75	13.88	-35.43	11.49	-0.43	4.51	-23.29	1.46	2.63
2932	0	-10	-10	14.74	7.39	-24.32	11.49	-0.22	7.40	-14.53	1.96	2.13
2928	0	-10	-5	14.74	4.84	-18.27	11.49	-1.19	5.82	-7.40	2.17	1.92
2914	0	-10	0	14.73	4.08	-14.27	11.49	-1.73	3.82	-4.07	2.16	1.93
2918	0	-10	5	14.75	5.28	-9.47	11.49	-2.74	6.54	-4.57	1.83	2.26
2922 *	0	-10	10	14.75	9.16	1.21	11.49	-5.09	11.28	-4.36	1.37	2.72
2833 *	0	0	-15	14.74	14.37	-39.70	11.49	-0.28	2.73	-28.06	1.53	2.62
2828	0	0	-10	14.75	8.10	-25.62	11.49	-0.88	1.76	-14.82	1.75	2.40
2823	0	0	-5	14.74	4.82	-17.93	11.49	-1.41	3.20	-7.42	2.19	1.96
2800	0	0	0	14.75	4.07	-14.29	11.49	-1.70	4.27	-4.15	2.16	1.99
2804	0	0	5	14.73	4.80	-11.06	11.49	-2.47	7.46	-2.47	1.99	2.16
2818 *	0	0	10	14.73	8.75	-0.96	11.49	-4.75	12.55	-4.92	1.43	2.72
2857	0	10	-10	14.74	8.53	-28.98	11.49	-1.28	-1.19	-18.53	1.76	2.33
2853	0	10	-5	14.76	5.06	-18.83	11.49	-1.90	0.01	-8.04	2.18	1.91
2837	0	10	0	14.75	4.02	-14.38	11.49	-2.15	1.68	-4.21	2.25	1.84
2841	0	10	5	14.77	4.40	-11.38	11.49	-2.34	5.59	-2.05	2.21	1.88
2845	0	10	10	14.77	6.32	-6.61	11.49	-3.17	8.87	-1.14	2.14	1.95
2850 *	0	10	15	14.76	12.62	6.79	11.49	-5.85	14.60	-2.08	1.39	2.70
2896 *	0	20	-15	14.75	16.43	-39.05	11.49	5.33	22.61	-25.46	1.52	2.38
2892	0	20	-10	14.74	8.30	-25.02	11.49	0.67	11.39	-12.37	1.98	1.92
2887	0	20	-5	14.74	4.99	-19.31	11.49	-1.94	0.53	-8.30	2.26	1.64
2866	0	20	0	14.73	3.90	-14.55	11.49	-2.51	0.38	-4.13	2.35	1.55
2870	0	20	5	14.75	4.06	-11.15	11.49	-2.58	3.02	-2.62	2.35	1.55
2874	0	20	10	14.74	4.43	-8.60	11.49	-2.61	4.09	-2.06	2.66	1.24
2878	0	20	15	14.76	5.13	-6.42	11.49	-2.65	2.66	-2.64	3.00	0.90
2883	0	20	15	14.76	5.11	-6.57	11.49	-2.81	2.88	-2.53	2.99	0.91
3074	3	-10	-15	14.71	3.68	-18.38	11.49	-3.24	-2.87	0.49	3.32	1.94
3070	3	-10	-10	14.72	2.92	-16.55	11.49	-2.48	-2.43	-0.17	3.23	2.03
3066	3	-10	-5	14.72	2.56	-14.76	11.49	-1.85	-1.88	-0.61	3.12	2.14
3049	3	-10	0	14.73	2.66	-11.98	11.49	-1.54	-2.06	-2.30	2.98	2.28
3053	3	-10	5	14.72	3.73	-8.35	11.49	-1.57	-0.41	-4.54	2.77	2.49
3054	3	-10	5	14.73	3.71	-8.33	11.49	-1.57	-0.47	-4.52	2.77	2.49
3058	3	-10	10	14.71	7.00	0.59	11.49	-2.98	4.55	-9.24	2.30	2.96
3062 *	3	-10	15	14.71	15.18	18.39	11.49	-7.29	13.73	-11.96	1.42	3.84
2969	3	0	-15	14.76	8.01	-26.14	11.49	-2.55	2.68	-3.60	2.38	2.94
2964	3	0	-10	14.75	3.89	-17.81	11.49	-3.13	-1.99	-1.98	2.81	2.51
2960	3	0	-5	14.75	2.82	-14.52	11.49	-2.69	-3.70	-1.47	2.95	2.37
2944	3	0	0	14.76	2.62	-12.59	11.49	-2.09	-3.60	-2.05	2.92	2.40
2948	3	0	5	14.73	3.12	-9.90	11.49	-1.55	-2.39	-3.35	2.88	2.44
2953	3	0	10	14.78	4.89	-5.60	11.49	-1.67	0.62	-6.26	2.69	2.63
2956	3	0	15	14.74	10.42	5.65	11.49	-4.26	8.51	-11.38	2.15	3.17

* Indicates model was close to heave stop

TABLE A1.223.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 3

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2987	3	10	-15	14.75	4.85	-20.29	11.49	-2.12	4.19	1.50	2.95	2.31
2982	3	10	-10	14.75	4.40	-18.21	11.49	-3.31	-2.41	-1.36	2.73	2.53
2978	3	10	-5	14.76	2.88	-14.10	11.49	-3.19	-4.15	-1.66	2.95	2.31
2974	3	10	0	14.75	2.51	-12.20	11.49	-2.47	-4.35	-2.20	3.10	2.16
2991	3	10	5	14.76	2.50	-10.56	11.49	-1.62	-5.01	-2.79	3.25	2.01
2995	3	10	10	14.74	3.12	-8.57	11.49	-0.54	-5.68	-4.04	3.34	1.92
2999	3	10	15	14.76	4.26	-6.25	11.49	0.54	-5.78	-5.84	3.36	1.90
3044	3	20	-15	14.72	6.37	-23.33	11.49	-0.66	4.28	0.89	2.76	2.31
3039	3	20	-10	14.71	4.19	-18.49	11.49	-2.53	0.41	-0.10	2.80	2.27
3035	3	20	-5	14.72	2.99	-13.86	11.49	-3.23	-4.33	-0.89	3.03	2.04
3005	3	20	0	14.74	2.56	-11.11	11.49	-2.80	-4.87	-2.64	3.12	1.95
3009	3	20	5	14.76	2.72	-9.51	11.49	-1.95	-6.30	-3.96	3.43	1.64
3026	3	20	10	14.68	2.96	-8.39	11.49	-0.99	-8.17	-5.34	3.70	1.37
3031	3	20	15	14.69	3.55	-7.36	11.49	0.30	-10.28	-7.05	3.92	1.15
3200	6	-10	-15	14.75	2.55	-16.40	11.49	-5.27	-12.50	3.75	4.65	1.77
3196	6	-10	-10	14.73	2.26	-15.44	11.49	-3.82	-11.42	2.27	4.48	1.94
3192	6	-10	-5	14.72	1.97	-14.38	11.49	-2.48	-9.83	0.92	4.27	2.15
3188	6	-10	0	14.75	2.34	-12.03	11.49	-1.55	-8.76	-2.00	4.05	2.37
3204	6	-10	5	14.73	3.20	-8.51	11.49	-1.12	-7.40	-6.03	3.83	2.59
3208	6	-10	10	14.73	5.04	-2.84	11.49	-1.37	-4.74	-11.87	3.47	2.95
3213	6	-10	15	14.74	11.03	11.09	11.49	-4.25	2.36	-21.84	2.64	3.78
3108	6	0	-15	14.73	2.94	-16.18	11.49	-5.27	-9.76	2.47	4.26	2.22
3103	6	0	-10	14.49	2.12	-14.28	11.49	-4.14	-10.40	1.00	4.36	2.12
3104	6	0	-10	14.73	2.15	-14.74	11.49	-4.26	-10.70	1.05	4.39	2.09
3099	6	0	-5	14.71	1.93	-13.40	11.49	-3.02	-11.15	-0.18	4.44	2.04
3081	6	0	0	14.70	1.97	-12.20	11.49	-1.82	-11.10	-1.41	4.32	2.16
3086	6	0	5	14.70	2.34	-10.53	11.49	-0.64	-10.55	-3.24	4.29	2.19
3091	6	0	10	14.71	3.34	-8.04	11.49	0.24	-9.44	-6.22	4.20	2.28
3095	6	0	15	14.73	5.67	-3.06	11.49	0.08	-6.37	-11.84	3.84	2.64
3152	6	10	-15	14.72	3.93	-17.77	11.49	-4.54	-6.90	3.66	3.76	2.66
3148	6	10	-10	14.71	2.56	-14.23	11.49	-4.36	-8.71	0.40	4.05	2.37
3144	6	10	-5	14.71	1.99	-12.34	11.49	-3.47	-10.65	-1.44	4.31	2.11
3127	6	10	0	14.68	1.94	-11.05	11.49	-2.28	-12.47	-2.83	4.46	1.96
3131	6	10	5	14.69	2.14	-10.05	11.49	-0.96	-13.96	-4.55	4.67	1.75
3136	6	10	10	14.69	2.71	-8.87	11.49	0.71	-14.88	-6.23	4.77	1.65
3140	6	10	15	14.70	3.33	-8.14	11.49	2.16	-15.34	-7.71	4.92	1.50
3170	6	20	-15	14.73	5.44	-21.81	11.49	-3.72	-6.22	5.78	3.37	2.86
3166	6	20	-10	14.71	3.07	-15.09	11.49	-4.19	-7.94	1.15	3.82	2.41
3162	6	20	-5	14.70	2.35	-11.56	11.49	-3.82	-9.33	-2.21	4.07	2.16
3158	6	20	0	14.70	2.37	-9.28	11.49	-3.04	-11.09	-4.78	4.31	1.92
3174	6	20	5	14.71	2.55	-9.29	11.49	-1.58	-13.75	-5.37	4.74	1.49
3178	6	20	10	14.73	2.81	-9.27	11.49	-0.17	-14.91	-5.99	5.01	1.22
3182	6	20	15	14.73	3.43	-8.72	11.49	1.39	-16.02	-7.17	5.13	1.10

* Indicates model was close to heave stop

TABLE A1.224.1 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2933	0	-10	-10	19.72	12.20	-42.16	11.49	-0.38	16.76	-27.08	1.96	2.13
2929	0	-10	-5	19.73	7.71	-32.40	11.49	-2.26	14.42	-13.26	2.15	1.94
2915	0	-10	0	19.68	6.16	-26.45	11.49	-3.58	10.61	-5.31	2.18	1.91
2919	0	-10	5	19.73	9.34	-16.06	11.49	-5.16	12.61	-10.17	1.68	2.41
2829	0	0	-10	19.69	13.45	-43.71	11.49	-1.28	6.86	-28.77	1.75	2.40
2824	0	0	-5	19.66	7.64	-31.63	11.49	-2.44	9.30	-13.43	2.18	1.97
2801	0	0	0	19.68	6.14	-26.12	11.49	-3.27	10.56	-6.66	2.20	1.95
2805	0	0	5	19.67	7.68	-19.41	11.49	-4.57	13.82	-5.03	1.97	2.18
2820 *	0	0	10	19.67	13.68	-3.56	11.49	-7.86	21.04	-7.86	1.45	2.70
2858	0	10	-10	19.67	13.42	-48.52	11.49	-1.47	1.62	-34.63	1.83	2.26
2854	0	10	-5	19.71	8.50	-32.56	11.49	-3.05	2.60	-15.13	2.15	1.94
2838	0	10	0	19.68	6.14	-25.72	11.49	-3.48	6.57	-7.69	2.24	1.85
2842	0	10	5	19.68	6.98	-20.32	11.49	-3.95	10.65	-4.11	2.29	1.80
2846	0	10	10	19.68	7.80	-15.95	11.49	-4.40	11.42	-1.66	2.62	1.47
2893	0	20	-10	19.69	13.53	-42.33	11.49	1.51	23.56	-23.68	2.02	1.88
2888	0	20	-5	19.63	8.10	-33.57	11.49	-2.96	3.33	-15.31	2.23	1.67
2867	0	20	0	19.63	6.32	-25.18	11.49	-3.91	2.79	-7.49	2.34	1.56
2871	0	20	5	19.69	5.86	-20.62	11.49	-4.01	6.10	-4.93	2.53	1.37
2875	0	20	10	19.68	5.43	-18.08	11.49	-4.55	3.61	-4.09	3.12	0.78
2879	0	20	15	19.66	6.09	-15.84	11.49	-4.60	0.68	-4.75	3.42	0.48
2884	0	20	15	19.68	6.01	-15.98	11.49	-4.69	0.88	-4.62	3.42	0.48
3075	3	-10	-15	19.62	4.85	-31.01	11.49	-6.06	-5.92	2.48	3.52	1.74
3071	3	-10	-10	19.67	3.81	-28.51	11.49	-4.52	-3.56	0.40	3.41	1.85
3067	3	-10	-5	19.69	3.31	-25.71	11.49	-3.40	-0.92	-0.78	3.28	1.98
3050	3	-10	0	19.67	3.67	-21.80	11.49	-3.05	0.56	-3.21	3.09	2.17
3055	3	-10	5	19.67	5.73	-14.05	11.49	-3.47	3.82	-8.93	2.85	2.41
3059	3	-10	10	19.66	11.36	1.19	11.49	-6.39	13.26	-17.00	2.26	3.01
2970	3	0	-15	19.67	12.33	-43.82	11.49	-3.64	8.89	-7.96	2.43	2.89
2965	3	0	-10	19.64	5.40	-29.58	11.49	-5.08	0.03	-3.69	2.91	2.41
2961	3	0	-5	19.65	3.57	-25.38	11.49	-4.37	-2.88	-2.02	3.08	2.24
2945	3	0	0	19.58	3.41	-22.19	11.49	-3.67	-3.26	-2.72	3.08	2.24
2949	3	0	5	19.62	4.12	-18.16	11.49	-2.93	-1.81	-5.02	3.05	2.27
2952	3	0	10	19.71	6.57	-12.11	11.49	-2.82	1.69	-9.33	2.91	2.41
2957	3	0	15	19.62	15.16	5.31	11.49	-7.22	15.47	-17.54	2.31	3.01

* Indicates model was close to heave stop

TABLE A1.224.2 - STABILITY DATA IN WIND AXES WITH AIR TARES

20 deg Deadrise, L/R = 0.234, Cv = 4

RUN	Trim deg	Roll deg	Yaw deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2988	3	10	-15	19.69	6.76	-34.83	11.49	-4.79	2.22	3.04	3.17	2.09
2983	3	10	-10	19.69	6.80	-31.06	11.49	-4.97	0.92	-3.63	2.73	2.53
2979	3	10	-5	19.60	3.88	-24.19	11.49	-5.10	-2.96	-3.13	3.06	2.20
2975	3	10	0	19.56	3.15	-21.48	11.49	-4.12	-6.00	-3.24	3.33	1.93
2992	3	10	5	19.68	3.02	-19.30	11.49	-2.62	-10.17	-5.00	3.60	1.66
2996	3	10	10	19.67	3.81	-16.67	11.49	-0.74	-12.75	-7.84	3.73	1.53
3000	3	10	15	19.65	4.76	-14.70	11.49	1.28	-15.32	-10.69	3.84	1.42
3045	3	20	-15	19.67	8.40	-37.62	11.49	-2.00	5.48	2.88	3.00	2.07
3040	3	20	-10	19.75	6.10	-31.76	11.49	-3.46	6.05	-0.81	2.86	2.21
3041	3	20	-10	19.64	6.12	-31.41	11.49	-3.47	5.93	-0.68	2.86	2.21
3036	3	20	-5	19.71	4.49	-23.20	11.49	-5.12	-2.76	-3.24	3.06	2.01
3006	3	20	0	19.66	3.35	-20.01	11.49	-4.64	-6.37	-3.88	3.36	1.71
3010	3	20	5	19.65	2.90	-19.05	11.49	-3.52	-10.42	-5.37	3.83	1.24
3027	3	20	10	19.52	3.05	-17.85	11.49	-2.11	-12.94	-6.89	4.06	1.01
3028	3	20	10	19.66	2.93	-18.33	11.49	-2.17	-13.01	-6.74	4.09	0.98
3032	3	20	15	19.67	3.42	-17.55	11.49	-0.52	-15.11	-8.27	4.23	0.84
3201	6	-10	-15	19.64	2.76	-27.29	11.49	-8.29	-18.13	4.91	5.05	1.37
3197	6	-10	-10	19.65	2.54	-25.99	11.49	-6.35	-17.21	2.95	4.89	1.53
3193	6	-10	-5	19.63	2.09	-24.41	11.49	-4.40	-14.89	0.83	4.75	1.67
3189	6	-10	0	19.64	2.62	-21.97	11.49	-2.95	-11.60	-2.38	4.47	1.95
3205	6	-10	5	19.65	3.81	-17.11	11.49	-2.28	-9.31	-8.47	4.25	2.17
3209	6	-10	10	19.67	6.11	-9.64	11.49	-2.87	-5.50	-17.39	4.00	2.42
3109	6	0	-15	19.63	3.06	-27.09	11.49	-8.65	-15.62	3.83	4.83	1.65
3105	6	0	-10	19.62	2.24	-25.37	11.49	-7.03	-16.75	1.81	4.90	1.58
3100	6	0	-5	19.63	1.94	-23.48	11.49	-5.21	-17.27	-0.56	4.93	1.55
3083	6	0	0	19.62	1.94	-21.57	11.49	-3.36	-17.15	-2.83	4.92	1.56
3087	6	0	5	19.63	2.44	-19.90	11.49	-1.57	-16.72	-4.93	4.86	1.62
3092	6	0	10	19.62	3.44	-17.67	11.49	0.11	-15.41	-7.78	4.76	1.72
3096	6	0	15	19.62	2.86	-18.95	11.49	2.36	-20.17	-7.31	5.39	1.09
3153	6	10	-15	19.63	4.76	-29.01	11.49	-7.23	-8.95	5.22	4.19	2.23
3149	6	10	-10	19.59	2.65	-24.43	11.49	-6.97	-12.23	0.30	4.56	1.86
3145	6	10	-5	19.57	2.10	-22.55	11.49	-5.74	-16.06	-1.74	4.85	1.57
3128	6	10	0	19.59	1.86	-21.01	11.49	-4.17	-18.05	-3.75	4.97	1.45
3132	6	10	5	19.59	2.26	-19.67	11.49	-2.46	-19.17	-5.90	5.05	1.37
3137	6	10	10	19.61	2.65	-18.70	11.49	-0.73	-18.93	-7.41	5.14	1.28
3141	6	10	15	19.59	3.56	-17.50	11.49	1.38	-20.32	-9.49	5.18	1.24
3171	6	20	-15	19.59	7.67	-36.88	11.49	-5.10	-5.62	9.85	3.55	2.68
3167	6	20	-10	19.61	3.67	-25.62	11.49	-6.46	-9.48	1.70	4.20	2.03
3163	6	20	-5	19.58	2.59	-20.81	11.49	-6.16	-12.25	-3.68	4.56	1.67
3159	6	20	0	19.60	2.28	-19.17	11.49	-5.08	-15.30	-5.98	4.89	1.34
3175	6	20	5	19.61	2.15	-20.41	11.49	-3.24	-18.12	-4.81	5.28	0.95
3179	6	20	10	19.62	2.60	-19.86	11.49	-1.41	-19.69	-5.83	5.40	0.83
3183	6	20	15	19.65	3.16	-19.47	11.49	0.51	-20.30	-6.75	5.47	0.76

* Indicates model was close to heave stop

TABLE A2.101 - RUDDER DATA IN WIND AXES WITH AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2243	-20	7.37	1.51	-0.03	11.49	-1.82	-5.61	1.013	3.05	2.27
2224	-15	7.37	1.57	-0.42	11.49	-0.95	-4.89	1.457	2.97	2.35
2237	-10	7.36	1.34	-0.35	11.49	-0.64	-4.88	1.028	2.96	2.36
2240	-5	7.38	1.24	-0.17	11.49	-0.30	-4.91	0.523	2.95	2.37
2218	0	7.36	1.16	0.13	11.49	0.03	-5.10	-0.161	2.95	2.37
2221	15	7.38	1.61	0.34	11.49	1.16	-4.94	-1.290	2.97	2.35

TABLE A2.103 - RUDDER DATA IN WIND AXES WITH AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2244	-20	14.74	2.92	-0.28	11.49	-2.01	-8.43	2.489	3.88	1.44
2225	-15	14.74	3.66	-1.96	11.49	0.58	-2.92	5.154	3.49	1.83
2238	-10	14.73	2.63	-1.62	11.49	0.58	-2.36	3.705	3.47	1.85
2241	-5	14.73	2.28	-0.79	11.49	0.30	-2.07	1.737	3.45	1.87
2219	0	14.75	2.28	0.32	11.49	-0.01	-2.25	-0.570	3.44	1.88
2222	15	14.74	2.80	0.59	11.49	1.50	-7.86	-2.306	3.83	1.49

TABLE A2.104 - RUDDER DATA IN WIND AXES WITH AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

10 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2245	-20	19.64	3.50	-0.84	11.49	-4.02	-16.00	4.121	4.65	0.67
2246	-20	19.62	3.55	-0.87	11.49	-3.99	-15.94	4.194	4.64	0.68
2226	-15	19.67	3.25	-1.20	11.49	-2.04	-13.57	4.057	4.44	0.88
2236	-15	19.66	3.17	-1.19	11.49	-2.01	-13.78	4.040	4.45	0.87
2239	-10	19.63	3.79	-2.89	11.49	0.90	-4.23	6.423	3.86	1.46
2242	-5	19.66	3.07	-1.40	11.49	0.53	-3.68	3.068	3.91	1.41
2220	0	19.64	2.87	0.58	11.49	-0.06	-4.00	-0.978	3.88	1.44
2223	15	19.67	3.46	1.51	11.49	2.85	-15.36	-3.975	4.58	0.74
2248	-20	19.65	5.57	-0.37	21.49	-1.74	-10.07	4.564	3.56	1.76
2249	-15	19.67	7.53	-3.28	21.49	3.44	3.90	9.347	2.95	2.37

TABLE A2.201 - RUDDER DATA IN WIND AXES WITH AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 1.5

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2177	-20	7.36	1.35	0.17	11.49	-2.24	-6.62	0.571	2.72	2.60
2197	-15	7.37	1.64	-0.38	11.49	-1.06	-5.40	1.428	2.52	2.80
2200	-10	7.37	1.45	-0.40	11.49	-0.61	-5.45	1.212	2.52	2.80
2203	-5	7.38	1.29	-0.23	11.49	-0.28	-5.47	0.636	2.53	2.79
2173	0	7.37	1.24	0.04	11.49	0.02	-5.43	-0.007	2.61	2.71
2182	20	7.37	1.34	-0.18	11.49	2.32	-6.61	-0.471	2.72	2.60

TABLE A2.203 - RUDDER DATA IN WIND AXES WITH AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 3.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2178	-20	14.73	2.39	0.32	11.49	-4.46	-13.56	1.175	3.99	1.33
2198	-15	14.72	3.98	-1.67	11.49	0.33	-3.96	5.041	3.07	2.25
2201	-10	14.77	3.20	-1.77	11.49	0.52	-3.66	4.388	3.06	2.26
2204	-5	14.77	2.67	-0.92	11.49	0.37	-3.52	2.287	3.06	2.26
2174	0	14.73	2.46	0.15	11.49	0.08	-3.55	-0.097	3.15	2.17
2183	20	14.73	2.46	-0.17	11.49	4.70	-13.37	-0.982	3.96	1.36

TABLE A2.204 - RUDDER DATA IN WIND AXES WITH AIR TARES

Trim = 3 deg Roll = Yaw = 0 deg

20 deg Deadrise, L/R = 0.000, Cv = 4.0

RUN	Rudder deg	Speed fps	X lb	Y lb	Z lb	K lb-ft	M lb-ft	N lb-ft	Heave in	TD in
2179	-20	19.64	2.65	0.14	11.49	-5.52	-17.39	1.682	4.64	0.68
2199	-15	19.63	6.11	-3.21	11.49	0.67	-6.12	8.779	3.52	1.80
2209	-15	19.64	5.98	-3.22	11.49	0.72	-5.71	8.783	3.48	1.84
2202	-10	19.67	4.73	-3.24	11.49	0.91	-5.30	7.483	3.42	1.90
2206	-5	19.66	3.76	-1.64	11.49	0.71	-5.20	3.863	3.48	1.84
2175	0	19.61	3.55	0.36	11.49	0.09	-5.00	-0.368	3.53	1.79
2207	15	19.68	4.93	1.55	11.49	1.59	-10.31	-4.629	3.76	1.56
2208	15	19.67	6.13	3.34	11.49	0.62	-5.85	-8.098	3.50	1.82
2184	20	19.62	2.74	0.14	11.49	5.90	-17.25	-1.577	4.64	0.68
2185	20	19.72	2.75	0.15	11.49	6.05	-17.33	-1.584	4.65	0.67
2195	20	19.63	2.73	0.14	11.49	5.98	-17.53	-1.585	4.62	0.70

APPENDIX B

TABLE B.1 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
		Start of 20 Degree Deadrise Hull at 32 ft Radius				
1-78	Calibration checks and runs without spray rails					
		Spray rails added to hull				
DZ	79	32	3	0	10	0
DR	80	32	3	0	10	0
DZ	81	32	3	0	10	0
	82	32	3	0	10	19.69
DZ	83	32	3	0	15	0
	84	32	3	0	15	19.63
	85	32	3	0	15	14.78
	86	32	3	0	15	7.32
DZ	87	32	3	0	10	0
	88	32	3	0	10	7.33
	89	32	3	0	10	14.78
DZ	90	32	3	0	5	0
	91	32	3	0	5	7.20
	92	32	3	0	5	7.33
	94	32	3	0	5	14.78
	95	32	3	0	5	19.70
DZ	96	32	3	0	0	0
	97	32	3	0	0	7.29
	98	32	3	0	0	14.78
	99	32	3	0	0	19.74
DZ	100	32	3	0	-5	0
	101	32	3	0	-5	7.33
	102	32	3	0	-5	14.78
	103	32	3	0	-5	19.73
	104	32	3	0	-10	0
	105	32	3	0	-10	7.33
	106	32	3	0	-10	14.78
	107	32	3	0	-10	19.75
	108	32	3	0	-15	7.33
DZ	109	32	3	0	-15	0
	110	32	3	0	-15	7.25
	111	32	3	0	-15	14.74
	112	32	3	0	-15	19.69
DZ	113	32	3	10	-15	0
	114	32	3	10	-15	7.29
	115	32	3	10	-15	14.74
116-132	Calibration checks					
133-153	Air tare tests					
DZ	154	32	3	10	-15	0
	155	32	3	10	-15	14.67
	156	32	3	10	-15	14.77
DR	157	32	3	10	-15	0
	158	32	3	10	-15	19.63
DZ	159	32	3	10	-10	0

* Indicates model was close to heave stop

TABLE B.2 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
	160	32	3	10	-10	7.35
	161	32	3	10	-10	14.81
	162	32	3	10	-10	19.76
	163	32	3	10	-5	0
	164	32	3	10	-5	7.34
	165	32	3	10	-5	14.81
	166	32	3	10	-5	19.75
DZ	167	32	3	10	0	0
	168	32	3	10	0	7.34
	169	32	3	10	0	14.81
	170	32	3	10	0	19.76
DZ	171	32	3	10	5	0
	172	32	3	10	5	7.32
	173	32	3	10	5	14.81
	174	32	3	10	5	19.73
175-184	Calibration checks					
DZ	185	32	3	10	5	0
	186	32	3	10	5	19.73
DZ	187	32	3	10	10	0
	188	32	3	10	10	7.34
	189	32	3	10	10	14.77
	190	32	3	10	10	19.69
DZ	191	32	3	10	15	0
	192	32	3	10	15	7.34
	193	32	3	10	15	14.78
	194	32	3	10	15	19.68
DZ	195	32	3	20	15	0
	196	32	3	20	15	7.34
	197	32	3	20	15	14.74
	198	32	3	20	15	19.68
DZ	199	32	3	20	10	0
	200	32	3	20	10	7.35
	201	32	3	20	10	14.75
	202	32	3	20	10	19.69
DZ	203	32	3	20	5	0
	204	32	3	20	5	7.35
	205	32	3	20	5	14.75
	206	32	3	20	5	19.69
DZ	207	32	3	20	5	0
	208	32	3	20	5	7.35
	209	32	3	20	0	14.74
	210	32	3	20	0	19.69
DZ	211	32	3	20	-5	0
	212	32	3	20	-5	7.33
	213	32	3	20	-5	14.74
	214	32	3	20	-5	19.70
DZ	215	32	3	20	-10	0
	216	32	3	20	-10	7.35
	217	32	3	20	-10	14.73
	218	32	3	20	-10	19.64

* Indicates model was close to heave stop

TABLE B.3 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
DZ	219		32	3	20	-15	0
	220		32	3	20	-15	7.34
	221		32	3	20	-15	14.74
	222		32	3	20	-15	19.64
	223		32	3	20	-13	19.64
	224		32	3	20	-14	19.62
DZ	225		32	3	-10	15	0
	226		32	3	-10	15	7.34
	227	*	32	3	-10	15	14.73
	228	*	32	3	-10	15	19.69
DZ	229		32	3	-10	10	0
	230		32	3	-10	10	7.31
	231		32	3	-10	10	14.72
	232		32	3	-10	10	19.67
DZ	233		32	3	-10	5	0
	234		32	3	-10	5	7.29
	235		32	3	-10	5	14.74
	236		32	3	-10	5	19.68
DZ	237		32	3	-10	0	0
	238		32	3	-10	0	7.32
	239		32	3	-10	0	14.74
	240		32	3	-10	0	19.67
DZ	241		32	3	-10	-5	0
	242		32	3	-10	-5	7.31
	243		32	3	-10	-5	14.72
	244		32	3	-10	-5	19.68
DZ	245		32	3	-10	-10	0
	246		32	3	-10	-10	7.34
	247		32	3	-10	-10	14.74
	248		32	3	-10	-10	19.64
	249		32	3	-10	-10	19.68
DZ	250		32	3	-10	-15	0
	251		32	3	-10	-15	7.32
	252		32	3	-10	-15	14.74
	253		32	3	-10	-15	19.68
	254	*	32	3	-10	15	19.63
255-265	Calibration checks						
DR	266		32	6	0	0	0
	267		32	6	0	0	0
	268		32	6	0	0	7.34
	269		32	6	0	0	14.72
	270		32	6	0	0	19.64
DR	271		32	6	0	0	0
	272		32	6	0	0	19.61
DZ	273		32	6	0	5	0
	274		32	6	0	5	7.32
	275		32	6	0	5	14.70
	276		32	6	0	5	19.61
DZ	277		32	6	0	5	0

* Indicates model was close to heave stop

TABLE B.4 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
	278	32	6	0	10	7.35
	279	32	6	0	10	14.71
	280	32	6	0	10	14.70
	281	32	6	0	10	19.62
DZ	282	32	6	0	10	0
DZ	283	32	6	0	15	0
	284	32	6	0	15	7.34
	285	32	6	0	15	14.72
	286	32	6	0	15	19.64
DZ	287	32	6	0	-5	0
	288	32	6	0	-5	7.35
	289	32	6	0	-5	14.72
	290	32	6	0	-5	19.67
DZ	291	32	6	0	-10	0
	292	32	6	0	-10	7.33
	293	32	6	0	-10	14.74
	294	32	6	0	-10	19.67
DZ	295	32	6	0	-15	0
	296	32	6	0	-15	7.34
	297	32	6	0	-15	14.74
	298	32	6	0	-15	19.68
DZ	299	32	6	10	-15	0
	300	32	6	10	-15	7.35
DR	301	32	6	10	-15	0
	302	32	6	10	-15	14.72
	303	32	6	10	-15	19.68
DZ	304	32	6	10	-10	0
	305	32	6	10	-10	7.33
	306	32	6	10	-10	14.74
	307	32	6	10	-10	19.68
DZ	308	32	6	10	-5	0
	309	32	6	10	-5	7.33
	310	32	6	10	-5	14.74
	311	32	6	10	-5	19.68
312-320	Calibration checks					
DZ	321	32	6	10	-5	0
	322	32	6	10	-5	19.58
DR	323	32	6	10	0	0
DZ	324	32	6	10	0	0
	325	32	6	10	0	7.34
	326	32	6	10	0	14.71
	327	32	6	10	0	19.61
DZ	328	32	6	10	5	0
	329	32	6	10	5	7.28
	330	32	6	10	5	14.67
	331	32	6	10	5	19.58
DZ	332	32	6	10	10	0
	333	32	6	10	10	7.35
	334	32	6	10	10	14.67
	335	32	6	10	10	19.57

* Indicates model was close to heave stop

TABLE B.5 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
DZ	336	32	6	10	15	0
	337	32	6	10	15	7.35
	338	32	6	10	15	14.70
	339	32	6	10	15	19.62
DZ	340	32	6	20	0	0
	341	32	6	20	0	7.35
	342	32	6	20	0	14.71
	343	32	6	20	0	19.62
DZ	344	32	6	20	5	0
	345	32	6	20	5	7.34
	346	32	6	20	5	14.74
	347	32	6	20	5	19.61
DZ	348	32	6	20	10	0
	349	32	6	20	10	7.34
	350	32	6	20	10	14.75
	351	32	6	20	10	19.62
	352	32	6	20	15	0
	353	32	6	20	15	7.31
	354	32	6	20	15	14.74
	355	32	6	20	15	19.64
DZ	356	32	6	20	-5	0
	357	32	6	20	-5	7.34
	358	32	6	20	-5	14.74
	359	32	6	20	-5	19.63
DZ	360	32	6	20	-10	0
	361	32	6	20	-10	7.33
	362	32	6	20	-10	14.74
	363	32	6	20	-10	19.63
DZ	364	32	6	20	-15	0
	365	32	6	20	-15	7.33
	366	32	6	20	-15	14.74
	367	32	6	20	-15	19.63
368-381	Calibration checks					
382-392	Static roll moment checks					
DZ	393	32	6	-10	0	0
	394	32	6	-10	0	7.36
	395	32	6	-10	0	14.81
	396	32	6	-10	0	19.70
DZ	397	32	6	-10	5	0
	398	32	6	-10	5	7.38
	399	32	6	-10	5	14.79
	400	32	6	-10	5	19.70
DZ	401	32	6	-10	10	0
	402	32	6	-10	10	7.37
	403	32	6	-10	10	14.78
	404	32	6	-10	10	19.67
DZ	405	32	6	-10	15	0
	406	32	6	-10	15	7.37
	407	32	6	-10	15	14.81
	408	32	6	-10	15	19.67

* Indicates model was close to heave stop

TABLE B.6 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
	409		32	6	-10	-5	7.43
DR	410		32	6	-10	-5	0
DZ	411		32	6	-10	-5	0
	412		32	6	-10	-5	7.38
	413		32	6	-10	-5	14.80
	414		32	6	-10	-5	19.68
DZ	415		32	6	-10	-10	0
	416		32	6	-10	-10	7.38
	417		32	6	-10	-10	14.82
	418		32	6	-10	-10	19.68
DZ	419		32	6	-10	-15	0
	420		32	6	-10	-15	7.36
	421		32	6	-10	-15	14.82
	422		32	6	-10	-15	19.68
423-437	Calibration checks						
DR	438		32	0	0	0	0
DZ	439		32	0	0	0	0
440-442	Calibration checks						
	443		32	0	0	0	7.37
	444		32	0	0	0	14.81
	445		32	0	0	0	19.67
DZ	446		32	0	0	5	0
	447		32	0	0	5	7.37
	448		32	0	0	5	14.81
	449		32	0	0	5	19.68
DZ	450		32	0	0	10	0
	451		32	0	0	10	7.38
	452	*	32	0	0	10	14.81
	453	*	32	0	0	10	19.69
DZ	454		32	0	0	15	0
	455	*	32	0	0	15	7.37
	456	*	32	0	0	15	14.77
	457	*	32	0	0	15	19.67
DZ	459		32	0	0	-5	0
	460		32	0	0	-5	7.38
	461		32	0	0	-5	14.77
	462		32	0	0	-5	19.70
DR	463		32	0	0	-10	0
DZ	464		32	0	0	-10	0
	465		32	0	0	-10	7.38
	466	*	32	0	0	-10	14.74
	467	*	32	0	0	-10	19.68
DZ	468		32	0	0	-15	0
	469	*	32	0	0	-15	7.36
DR	470		32	0	10	0	0
DZ	471		32	0	10	0	0
	472		32	0	10	0	7.38
	473		32	0	10	0	14.77
	474		32	0	10	0	19.68

* Indicates model was close to heave stop

TABLE B.7 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
DZ	475		32	0	10	5	0
	476		32	0	10	5	7.59
DR	477		32	0	10	5	15.32
	478		32	0	10	5	14.64
	479		32	0	10	5	19.88
481-505	Adjusting drive controls						
506-515	Calibration checks						
DR	516		32	0	10	0	0
DZ	517		32	0	10	0	0
	518		32	0	10	0	7.36
	519		32	0	10	0	19.81
	520		32	0	10	0	19.45
	521		32	0	10	5	19.76
DZ	522		32	0	10	5	0
	523		32	0	10	5	7.43
DR	524		32	0	10	5	14.91
DZ	525		32	0	10	10	0
	526		32	0	10	10	7.42
	527		32	0	10	10	14.71
	528		32	0	10	10	14.71
	529		32	0	10	10	19.75
DZ	530		32	0	10	-5	0
	531		32	0	10	-5	7.43
	532		32	0	10	-5	14.70
	533		32	0	10	-5	19.62
DZ	534		32	0	10	-10	0
	535		32	0	10	-10	7.42
	536		32	0	10	-10	14.71
	537	*	32	0	10	-10	19.61
DZ	538		32	0	20	0	0
	539		32	0	20	0	7.42
	540		32	0	20	0	14.70
	541		32	0	20	0	19.56
DR	542		32	0	20	5	0
DZ	543		32	0	20	5	0
	544		32	0	20	5	7.40
DR	545		32	0	20	5	0
	546		32	0	20	5	14.68
	547		32	0	20	5	19.55
DZ	548		32	0	20	10	0
	549		32	0	20	10	7.39
	550		32	0	20	10	14.68
	551		32	0	20	10	19.57
	552		32	0	20	10	19.50
DZ	553		32	0	20	-5	0
	554		32	0	20	-5	19.45
DZ	555		32	0	20	-5	0
	556		32	0	20	-5	7.30
	557		32	0	20	-5	14.61
	558		32	0	20	-5	14.71

* Indicates model was close to heave stop

TABLE B.8 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
	559		32	0	20	-5	19.74
DZ	560		32	0	20	-10	0
	561		32	0	20	-10	7.45
	562	*	32	0	20	-10	14.72
	563		32	0	20	-10	19.62
	564		32	0	20	5	19.62
	565		32	0	20	10	19.62
	566	*	32	0	20	-8	19.62
	567		32	0	20	-8	14.74
	568		32	0	-10	-8	0
DZ	569		32	0	-10	0	0
DZ	570		32	0	-10	0	7.44
	571		32	0	-10	0	14.71
	572		32	0	-10	0	19.63
	573		32	0	-10	5	7.44
DZ	574		32	0	-10	5	0
	575		32	0	-10	5	14.74
	576	*	32	0	-10	5	19.63
DZ	577		32	0	-10	10	0
	578		32	0	-10	10	7.41
	579	*	32	0	-10	10	14.74
	580	*	32	0	-10	10	19.62
	581		32	0	-10	-5	7.42
DZ	582		32	0	-10	-5	0
	583		32	0	-10	-5	14.74
	584		32	0	-10	-5	19.62
DZ	585		32	0	-10	-10	0
	586		32	0	-10	-10	7.42
	587		32	0	-10	-10	14.75
	588		32	0	-10	-10	19.67
588-599	Calibration checks						
600-611	Air tare tests						
			End of 20 degree deadrise hull at 32 ft				
			Start of 10 Degree Deadrise Hull at 32 ft Radius				
612-613	Calibration checks						
614-641	Air tare tests						
DR	642		32	0	0	0	0
DZ	643		32	0	0	0	0
DR	644		32	0	0	0	0
DZ	645		32	0	0	0	0
DR	646		32	0	0	0	0
DZ	647		32	0	0	0	0
DZ	648		32	0	0	0	0
	649		32	0	0	0	7.40
	650		32	0	0	0	14.72
	651		32	0	0	0	19.70

* Indicates model was close to heave stop

TABLE B.9 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull				
	652		32	0	0	5	7.37
DZ	653		32	0	0	5	0
	654		32	0	0	5	14.74
	655		32	0	0	5	19.70
DZ	656		32	0	0	10	0
	657		32	0	0	10	7.39
	658	*	32	0	0	10	14.74
	659	*	32	0	0	10	19.67
DZ	660		32	0	0	-5	0
	661		32	0	0	-5	7.36
	662		32	0	0	-5	14.74
	663		32	0	0	-5	19.68
DZ	664		32	0	0	-10	0
	665		32	0	0	-10	7.38
	666	*	32	0	0	-10	14.75
	667	*	32	0	0	-10	19.68
DZ	668		32	0	10	-10	0
	669		32	0	10	0	7.38
	670		32	0	10	0	14.73
	671		32	0	10	0	19.67
DZ	672		32	0	10	5	0
	673		32	0	10	5	7.38
	674		32	0	10	5	14.74
	675		32	0	10	5	19.67
DZ	676		32	0	10	10	0
	677		32	0	10	10	7.38
	678		32	0	10	10	14.74
	679		32	0	10	10	19.68
	680		32	0	10	10	19.67
DZ	681		32	0	10	15	0
	682		32	0	10	15	7.37
	683		32	0	10	15	14.75
	684		32	0	10	15	19.70
DZ	685		32	0	10	-5	0
	686		32	0	10	-5	7.38
	687		32	0	10	-5	14.75
	688	*	32	0	10	-5	19.67
DZ	689		32	0	10	-10	0
	690		32	0	10	-10	7.40
	691	*	32	0	10	-10	14.74
	692	*	32	0	10	-10	19.67
693-705	Calibration checks						
DZ	706		32	0	20	0	0
DZ	707		32	0	20	0	0
	708		32	0	20	0	7.36
	709		32	0	20	0	14.71
	710		32	0	20	0	19.63
DZ	711		32	0	20	5	0
	712		32	0	20	5	7.36
	713		32	0	20	5	14.71

* Indicates model was close to heave stop

TABLE B.10 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull				
	714		32	0	20	5	19.63
DZ	715		32	0	20	10	0
	716		32	0	20	10	7.36
	717		32	0	20	10	14.71
	718		32	0	20	10	14.72
	719		32	0	20	10	19.62
DZ	720		32	0	20	15	0
	721		32	0	20	15	7.36
	722		32	0	20	15	14.70
	723		32	0	20	15	19.61
DZ	724		32	0	20	-5	0
	725		32	0	20	-5	7.36
	726		32	0	20	-5	14.71
	727	*	32	0	20	-5	19.61
DZ	728		32	0	20	-10	0
	729		32	0	20	-10	7.35
	730	*	32	0	20	-10	14.71
	731	*	32	0	20	-10	19.61
DZ	732		32	0	-10	0	0
	733		32	0	-10	0	7.36
	734		32	0	-10	0	14.71
	735		32	0	-10	0	19.61
DZ	736		32	0	-10	5	0
	737		32	0	-10	5	7.35
	738		32	0	-10	5	14.68
	739		32	0	-10	5	19.63
DZ	740		32	0	-10	10	0
	741		32	0	-10	10	7.35
	742		32	0	-10	10	14.68
	743		32	0	-10	10	19.63
DZ	745		32	0	-10	-5	0
	746		32	0	-10	-5	7.35
	747		32	0	-10	-5	14.67
	748		32	0	-10	-5	19.63
DZ	749		32	0	-10	-10	0
	750		32	0	-10	-10	7.34
	751		32	0	-10	-10	14.68
	752		32	0	-10	-10	19.61
DZ	753		32	0	-10	-15	0
	754		32	0	-10	-15	7.34
	755		32	0	-10	-15	14.67
	756		32	0	-10	-15	19.63
	757		32	0	-10	-15	19.69
	758		32	0	-10	-15	14.74
DZ	759		32	3	0	0	0
	760		32	3	0	0	7.36
	761		32	3	0	0	14.72
	762		32	3	0	0	19.70
DZ	763		32	3	0	5	0
	764		32	3	0	5	7.35

* Indicates model was close to heave stop

TABLE B.11 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
	765	32	3	0	5	14.72
	766	32	3	0	5	19.70
DZ	767	32	3	0	10	0
	768	32	3	0	10	7.36
	769	32	3	0	10	14.74
	770	32	3	0	10	19.67
DZ	771	32	3	0	15	0
	772	32	3	0	15	7.36
	773	32	3	0	15	14.73
	774	32	3	0	15	19.69
775-785	Calibration checks					
DZ	786	32	3	0	15	0
	787	32	3	0	15	19.63
	788	32	3	0	15	14.68
	789	32	3	0	15	7.35
DZ	790	32	3	0	10	0
	791	32	3	0	10	19.67
	792	32	3	0	5	19.68
	793	32	3	0	0	19.69
DZ	794	32	3	0	-5	0
	795	32	3	0	-5	7.46
	796	32	3	0	-5	14.74
	797	32	3	0	-5	19.69
DZ	798	32	3	0	-10	0
	799	32	3	0	-10	7.36
	800	32	3	0	-10	14.75
	801	32	3	0	-10	19.69
DZ	802	32	3	0	-15	0
	803	32	3	0	-15	7.37
	804	32	3	0	-15	14.75
	805	32	3	0	-15	19.69
	806	32	3	0	0	14.74
	807	32	3	0	5	14.74
	808	32	3	0	10	14.74
	809	32	3	0	10	7.37
DR	810	32	3	10	0	0
DZ	811	32	3	10	0	0
	812	32	3	10	0	7.39
	813	32	3	10	0	7.37
	814	32	3	10	0	14.74
	815	32	3	10	0	19.70
DZ	816	32	3	10	5	0
	817	32	3	10	5	7.37
	818	32	3	10	5	14.73
	819	32	3	10	5	19.69
DZ	820	32	3	10	10	0
	821	32	3	10	10	7.37
	822	32	3	10	10	14.74
	823	32	3	10	10	19.69

* Indicates model was close to heave stop

TABLE B.12 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull				
DZ	824		32	3	10	15	0
	825		32	3	10	15	7.37
	826		32	3	10	15	14.74
	827		32	3	10	15	19.69
DZ	828		32	3	10	-5	0
	829		32	3	10	-5	19.70
	830		32	3	10	-5	7.37
	831		32	3	10	-5	14.74
DZ	832		32	3	10	-10	0
	833		32	3	10	-10	7.37
	834		32	3	10	-10	14.74
	835		32	3	10	-10	19.69
DZ	836		32	3	10	-15	0
	837		32	3	10	-15	7.37
	838		32	3	10	-15	14.75
	839		32	3	10	-15	19.68
	840		32	3	10	-10	7.37
DZ	841		32	3	20	0	0
	842		32	3	20	0	7.37
	843		32	3	20	0	14.74
	844		32	3	20	0	19.73
DZ	845		32	3	20	5	0
	846		32	3	20	5	7.37
	847		32	3	20	5	14.75
	848		32	3	20	5	19.70
DZ	849		32	3	20	10	0
	850		32	3	20	10	7.37
	851		32	3	20	10	14.74
	852		32	3	20	10	19.73
DZ	853		32	3	20	-5	0
	854		32	3	20	-5	7.37
	855		32	3	20	-5	14.75
856-866	Calibration checks						
DZ	867		32	3	20	-5	0
	868		32	3	20	-5	14.71
	869		32	3	20	-5	19.67
DZ	870		32	3	20	-10	0
	871		32	3	20	-10	7.36
	872		32	3	20	-10	14.70
	873		32	3	20	-10	19.67
	874		32	3	20	-10	19.69
DZ	875		32	3	20	-15	0
	876		32	3	20	-15	7.36
	877	*	32	3	20	-15	14.72
DZ	878		32	3	20	15	0
	879		32	3	20	15	7.36
	880		32	3	20	15	14.71
	881		32	3	20	15	19.69
DR	882		32	3	-10	-15	0
DZ	883		32	3	-10	-15	0

* Indicates model was close to heave stop

TABLE B.13 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
				10 Degree Deadrise Hull			
	884		32	3	-10	-15	7.36
	885		32	3	-10	-15	14.71
	886		32	3	-10	-15	19.68
DZ	887		32	3	-10	-10	0
	888		32	3	-10	-10	7.36
	889		32	3	-10	-10	14.74
	890		32	3	-10	-10	19.69
DZ	891		32	3	-10	-5	0
	892		32	3	-10	-5	7.36
	893		32	3	-10	-5	14.74
	894		32	3	-10	-5	19.69
DZ	895		32	3	-10	0	0
	896		32	3	-10	0	7.36
	897		32	3	-10	0	14.71
	898		32	3	-10	0	19.68
DZ	899		32	3	-10	5	0
	900		32	3	-10	5	7.36
	901		32	3	-10	5	14.72
	902		32	3	-10	5	19.68
DZ	903		32	3	-10	10	0
	904		32	3	-10	10	7.36
	905		32	3	-10	10	14.73
	906		32	3	-10	10	19.69
DZ	907		32	3	-10	15	0
	908		32	3	-10	15	7.36
	909	*	32	3	-10	15	14.74
	910	*	32	3	-10	15	19.69
DR	911		32	6	0	0	0
DZ	912		32	6	0	0	0
	913		32	6	0	0	7.36
	914		32	6	0	0	14.73
	915		32	6	0	0	19.68
	916		32	6	0	0	19.68
DZ	917		32	6	0	5	0
	918		32	6	0	5	7.36
	919		32	6	0	5	14.70
	920		32	6	0	5	19.69
DZ	921		32	6	0	10	0
	922		32	6	0	10	7.36
	923		32	6	0	10	14.71
	924		32	6	0	10	19.69
DZ	925		32	6	0	15	0
	926		32	6	0	15	7.36
	927		32	6	0	15	14.71
	928		32	6	0	15	19.69
DZ	929		32	6	0	-5	0
	930		32	6	0	-5	7.36
	931		32	6	0	-5	14.72
	932		32	6	0	-5	19.69

* Indicates model was close to heave stop

TABLE B.14 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
DZ	933	32	6	0	-10	0
	934	32	6	0	-10	7.36
	935	32	6	0	-10	14.72
	936	32	6	0	-10	19.67
DZ	937	32	6	0	-15	0
	938	32	6	0	-15	7.36
	939	32	6	0	-15	14.72
	940	32	6	0	-15	19.70
941-952	Calibration checks					
DR	953	32	6	10	0	0
DZ	954	32	6	10	0	0
	955	32	6	10	0	7.35
	956	32	6	10	0	14.66
	957	32	6	10	0	19.62
DZ	958	32	6	10	5	0
	959	32	6	10	5	7.36
	960	32	6	10	5	14.70
	961	32	6	10	5	19.68
DZ	962	32	6	10	10	0
	963	32	6	10	10	7.36
	964	32	6	10	10	14.72
	965	32	6	10	10	19.67
DZ	966	32	6	10	15	0
	967	32	6	10	15	7.36
	968	32	6	10	15	14.70
	969	32	6	10	15	19.67
DZ	970	32	6	10	-5	0
	971	32	6	10	-5	7.36
	972	32	6	10	-5	14.70
	973	32	6	10	-5	19.68
DZ	974	32	6	10	-10	0
	975	32	6	10	-10	7.36
	976	32	6	10	-10	14.70
	977	32	6	10	-10	19.67
DZ	978	32	6	10	-15	0
	979	32	6	10	-15	7.36
	980	32	6	10	-15	14.71
	981	32	6	10	-15	19.67
DZ	982	32	6	20	0	0
	983	32	6	20	0	7.36
	984	32	6	20	0	14.72
	985	32	6	20	0	19.68
DZ	986	32	6	20	5	0
	987	32	6	20	5	7.36
	988	32	6	20	5	14.71
	989	32	6	20	5	19.68
DZ	990	32	6	20	10	0
	991	32	6	20	10	7.36
	992	32	6	20	10	14.71

* Indicates model was close to heave stop

TABLE B.15 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
	993	32	6	20	10	19.68
DZ	994	32	6	20	-5	0
	995	32	6	20	-5	7.36
	996	32	6	20	-5	14.71
	997	32	6	20	-5	19.68
DZ	998	32	6	20	-10	0
	999	32	6	20	-10	7.36
	1000	32	6	20	-10	14.72
	1001	32	6	20	-10	19.69
DZ	1002	32	6	20	-15	0
	1003	32	6	20	-15	7.36
	1004	32	6	20	-15	14.71
	1005	32	6	20	-15	19.69
DZ	1006	32	6	20	15	0
	1007	32	6	20	15	7.34
	1008	32	6	20	15	14.67
	1009	32	6	20	15	19.62
	1010	32	6	20	10	19.61
DZ	1011	32	6	-10	0	0
	1012	32	6	-10	0	7.34
	1013	32	6	-10	0	14.67
	1014	32	6	-10	0	19.63
DZ	1015	32	6	-10	10	0
	1016	32	6	-10	10	7.34
	1017	32	6	-10	10	14.67
	1018	32	6	-10	10	19.62
DZ	1019	32	6	-10	15	0
	1020	32	6	-10	15	7.34
	1021	32	6	-10	15	14.67
	1022	32	6	-10	15	19.63
1023-1032	Calibration checks					
DZ	1033	32	6	-10	0	0
	1034	32	6	-10	0	7.42
DZ	1035	32	6	-10	15	0
	1036	32	6	-10	15	19.62
	1037	32	6	-10	15	14.66
	1038	32	6	-10	15	7.36
	1039	32	6	-10	5	7.36
DZ	1040	32	6	-10	5	0
	1041	32	6	-10	5	14.67
	1042	32	6	-10	5	19.61
	1043	32	6	-10	0	19.61
DZ	1044	32	6	-10	-5	0
	1045	32	6	-10	-5	7.36
DR	1046	32	6	-10	-5	0
	1047	32	6	-10	-5	14.71
	1048	32	6	-10	-5	19.64
DZ	1049	32	6	-10	-10	0
	1050	32	6	-10	-10	7.36
	1051	32	6	-10	-10	14.74

* Indicates model was close to heave stop

TABLE B.16 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
	1052	32	6	-10	-10	19.64
DZ	1053	32	6	-10	-15	0
	1054	32	6	-10	-15	7.35
	1055	32	6	-10	-15	14.72
	1056	32	6	-10	-15	19.64
	1057	32	6	-10	0	14.67
			End of 10 degree hull at 32 ft radius			
			Start of 20 Degree Deadrise Hull Straight Course			
	1058-1382	Calibration checks and runs without spray rails				
			Spray rails added to hull			
DZ	1383	INF	3	-10	15	0
	1384 *	INF	3	-10	15	19.65
	1385	INF	3	-10	10	19.64
	1386	INF	3	-10	13	19.66
DR	1387	INF	3	-10	15	0
	1388	INF	3	-10	15	14.74
DZ	1389	INF	3	-10	10	0
	1390	INF	3	-10	10	7.37
	1391	INF	3	-10	10	14.72
DZ	1392	INF	3	-10	5	0
	1393	INF	3	-10	5	7.37
	1394	INF	3	-10	5	14.75
	1395	INF	3	-10	5	19.66
DZ	1396	INF	3	-10	0	0
	1397	INF	3	-10	0	7.36
	1398	INF	3	-10	0	14.73
	1399	INF	3	-10	0	19.66
	1400	INF	3	-10	13	14.73
DZ	1401	INF	3	0	0	0
DR	1402	INF	3	0	0	0
DR	1403	INF	3	0	0	0
DZ	1404	INF	3	0	0	0
	1405	INF	3	0	0	7.36
	1406	INF	3	0	0	14.74
	1407	INF	3	0	0	19.63
DZ	1408	INF	3	0	5	0
	1409	INF	3	0	5	7.37
	1410	INF	3	0	5	14.73
	1411	INF	3	0	5	19.64
DZ	1412	INF	3	0	10	0
	1413	INF	3	0	10	7.37
	1414	INF	3	0	10	14.72
	1415	INF	3	0	10	19.64
DZ	1416	INF	3	0	15	0
	1417	INF	3	0	15	7.37

* Indicates model was close to heave stop

TABLE B.17 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
	1418	INF	3	0	15	14.74
	1419	INF	3	0	15	19.68
	1420–1433	Calibration checks				
DR	1434	INF	3	10	0	0
DZ	1435	INF	3	10	0	0
	1436	INF	3	10	0	7.37
	1437	INF	3	10	0	14.75
	1438	INF	3	10	0	19.66
DR	1439	INF	3	10	0	0
	1440	INF	3	10	5	7.37
DZ	1441	INF	3	10	5	0
	1442	INF	3	10	5	14.77
	1443	INF	3	10	5	19.60
DZ	1444	INF	3	10	10	0
	1445	INF	3	10	10	7.37
	1446	INF	3	10	10	14.72
	1447	INF	3	10	10	19.69
DZ	1448	INF	3	10	15	0
	1449	INF	3	10	15	7.37
	1450	INF	3	10	15	14.73
	1451	INF	3	10	15	19.64
DR	1452	INF	3	20	0	0
DR	1453	INF	3	0	0	0
DR	1454	INF	3	0	0	0
DR	1455	INF	3	20	0	0
DZ	1456	INF	3	20	0	0
	1457	INF	3	20	0	7.37
	1458	INF	3	20	0	14.75
	1459	INF	3	20	0	19.65
DZ	1460	INF	3	20	5	0
	1461	INF	3	20	5	7.37
	1462	INF	3	20	5	14.71
	1463	INF	3	20	5	19.63
DZ	1464	INF	3	20	10	0
	1465	INF	3	20	10	7.36
	1466	INF	3	20	10	14.73
	1467	INF	3	20	10	19.65
DZ	1468	INF	3	20	15	0
	1469	INF	3	20	15	7.37
	1470	INF	3	20	15	14.72
	1471	INF	3	20	15	19.64
DR	1472	INF	0	0	0	0
DR	1473	INF	0	0	0	0
DR	1474	INF	6	0	0	0
DZ	1475	INF	6	0	0	0
	1476	INF	6	0	0	7.37
	1477	INF	6	0	0	14.74
	1478	INF	6	0	0	19.67
DZ	1479	INF	6	0	5	0
	1480	INF	6	0	5	7.37

* Indicates model was close to heave stop

TABLE B.18 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
	1481	INF	6	0	5	14.72
	1482	INF	6	0	5	19.63
DZ	1483	INF	6	0	10	0
	1484	INF	6	0	10	7.37
	1485	INF	6	0	10	14.74
	1486	INF	6	0	10	19.62
DZ	1487	INF	6	0	15	0
	1488	INF	6	0	15	7.38
	1489	INF	6	0	15	14.73
	1490	INF	6	0	15	19.64
DR	1491	INF	6	0	0	0
DR	1492	INF	6	10	0	0
DZ	1493	INF	6	10	0	0
	1494	INF	6	10	0	7.37
	1495	INF	6	10	0	14.75
	1496	INF	6	10	0	19.64
DZ	1497	INF	6	10	5	0
	1498	INF	6	10	5	7.36
	1499	INF	6	10	5	14.74
	1500	INF	6	10	5	19.66
DZ	1501	INF	6	10	10	0
	1502	INF	6	10	10	7.37
	1503	INF	6	10	10	14.76
	1504	INF	6	10	10	19.67
DZ	1505	INF	6	10	15	0
	1506	INF	6	10	15	7.37
	1507	INF	6	10	15	14.72
	1508	INF	6	10	15	19.66
	1509-1519	Calibration checks				
DR	1520	INF	6	20	0	0
DZ	1521	INF	6	20	0	0
	1522	INF	6	20	0	7.37
	1523	INF	6	20	0	14.74
	1524	INF	6	20	0	19.64
	1525	INF	6	20	5	7.36
DZ	1526	INF	6	20	5	0
	1527	INF	6	20	5	14.73
	1528	INF	6	20	5	19.64
DZ	1529	INF	6	20	10	0
	1530	INF	6	20	10	7.36
	1531	INF	6	20	10	14.73
	1532	INF	6	20	10	19.68
DZ	1533	INF	6	20	15	0
	1534	INF	6	20	15	7.37
	1535	INF	6	20	15	14.74
	1536	INF	6	20	15	19.64
DR	1537	INF	6	20	15	0
DR	1538	INF	0	-10	0	0
DR	1539	INF	6	-10	0	0
DZ	1540	INF	6	-10	0	0

* Indicates model was close to heave stop

TABLE B.19 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
	1541		INF	6	-10	0	7.37
	1542		INF	6	-10	0	14.74
	1543		INF	6	-10	0	19.65
DZ	1544		INF	6	-10	5	0
	1545		INF	6	-10	5	7.37
	1546		INF	6	-10	5	14.73
	1547		INF	6	-10	5	19.64
DZ	1548		INF	6	-10	10	0
	1549		INF	6	-10	10	7.37
	1550		INF	6	-10	10	14.73
	1551		INF	6	-10	10	19.71
DZ	1552		INF	6	-10	15	0
	1553		INF	6	-10	15	7.37
	1554		INF	6	-10	15	14.73
	1555		INF	6	-10	15	19.67
DR	1556		INF	0	0	15	0
DR	1557		INF	0	0	0	0
DZ	1558		INF	0	0	0	0
DR	1559		INF	0	0	0	0
	1560		INF	0	0	0	7.36
	1561		INF	0	0	0	14.79
	1562		INF	0	0	0	19.68
DZ	1563		INF	0	0	5	0
	1564		INF	0	0	5	7.37
	1565		INF	0	0	5	14.75
	1566		INF	0	0	5	19.66
DZ	1567		INF	0	0	10	0
	1568		INF	0	0	10	7.37
	1569	*	INF	0	0	10	14.77
	1570	*	INF	0	0	10	19.67
DZ	1571		INF	0	0	15	0
	1572	*	INF	0	0	15	7.37
	1573	*	INF	0	0	15	14.73
	1574	*	INF	0	0	15	19.67
DR	1575		INF	0	0	15	0
DR	1576		INF	0	10	0	0
	1577		INF	0	10	0	7.37
DZ	1578		INF	0	10	0	0
	1579		INF	0	10	0	14.74
	1580		INF	0	10	0	19.63
DZ	1581		INF	0	10	5	0
	1582		INF	0	10	5	7.37
	1583		INF	0	10	5	14.71
	1584		INF	0	10	5	19.66
DR	1585		INF	0	10	10	0
	1586		INF	0	10	10	7.37
DZ	1587		INF	0	10	10	0
	1588		INF	0	10	10	14.73
	1589		INF	0	10	10	19.65
DZ	1590		INF	0	10	15	0

* Indicates model was close to heave stop

TABLE B.20 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
	1591		INF	0	10	15	7.38
	1592	*	INF	0	10	15	14.73
	1593	*	INF	0	10	15	19.64
1594-1604			Calibration checks				
DR	1605		INF	0	20	0	0
DZ	1606		INF	0	20	0	0
	1607		INF	0	20	0	7.36
	1608		INF	0	20	0	14.75
	1609		INF	0	20	0	19.67
DZ	1610		INF	0	20	5	0
	1611		INF	0	20	5	7.38
	1612		INF	0	20	5	14.74
	1613		INF	0	20	5	19.63
DZ	1614		INF	0	20	10	0
	1615		INF	0	20	10	7.37
	1616		INF	0	20	10	14.73
	1617		INF	0	20	10	19.65
DZ	1618		INF	0	20	15	0
	1619		INF	0	20	15	7.37
	1620		INF	0	20	15	14.72
	1621		INF	0	20	15	19.66
DR	1622		INF	0	20	15	0
DR	1623		INF	0	-10	0	0
DR	1624		INF	0	-10	0	0
DR	1625		INF	0	-10	0	0
DZ	1626		INF	0	-10	0	0
	1627		INF	0	-10	0	7.37
	1628		INF	0	-10	0	14.74
	1629		INF	0	-10	0	19.62
DZ	1630		INF	0	-10	5	0
	1631		INF	0	-10	5	7.39
	1632		INF	0	-10	5	14.73
	1633		INF	0	-10	5	19.61
DZ	1634		INF	0	-10	10	0
	1635		INF	0	-10	10	7.39
	1636	*	INF	0	-10	10	14.76
	1637	*	INF	0	-10	10	19.66
DZ	1638		INF	0	-10	15	0
	1639	*	INF	0	-10	15	7.36
	1640	*	INF	0	-10	15	14.73
DR	1641		INF	0	-10	15	0
DR	1642		INF	0	0	15	0
DR	1643		INF	-2	0	15	0
DZ	1644		INF	-2	0	0	0
	1645		INF	-2	0	0	7.37
	1646		INF	-2	0	0	14.74
	1647	*	INF	-2	0	0	19.65
	1648		INF	-2	0	5	7.37
DZ	1649		INF	-2	0	5	0
	1650	*	INF	-2	0	5	14.72

* Indicates model was close to heave stop

TABLE B.21 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
	1651	*	INF	-2	0	5	19.67
DZ	1652		INF	-2	0	10	0
	1653		INF	-2	0	10	7.36
	1654	*	INF	-2	0	10	14.73
DZ	1655		INF	-2	0	15	0
	1656	*	INF	-2	0	15	7.37
DR	1657		INF	-2	0	15	0
DR	1658		INF	-2	10	0	0
DZ	1659		INF	-2	10	0	0
	1660		INF	-2	10	0	7.37
	1661		INF	-2	10	0	14.77
	1662	*	INF	-2	10	0	19.65
DZ	1663		INF	-2	10	5	0
	1664		INF	-2	10	5	7.37
	1665		INF	-2	10	5	14.74
	1666	*	INF	-2	10	5	19.66
1667-1678			Calibration checks				
DR	1679		INF	-2	10	5	0
	1680		INF	-2	10	5	14.74
	1681		INF	-2	10	5	7.36
DZ	1682		INF	-2	10	10	0
	1683		INF	-2	10	10	7.36
	1684	*	INF	-2	10	10	14.74
DR	1685		INF	-2	10	10	0
	1686	*	INF	-2	10	15	7.37
DZ	1687		INF	-2	10	15	0
	1688	*	INF	-2	10	15	14.71
DR	1689		INF	-2	10	15	0
DR	1690		INF	-2	20	0	0
DZ	1691		INF	-2	20	0	0
	1692		INF	-2	20	0	7.37
	1693		INF	-2	20	0	14.74
	1694	*	INF	-2	20	0	19.63
DZ	1695		INF	-2	20	5	0
	1696		INF	-2	20	5	7.36
	1697		INF	-2	20	5	14.73
	1698	*	INF	-2	20	5	19.65
	1699		INF	-2	20	10	7.36
DZ	1700		INF	-2	20	10	0
	1701	*	INF	-2	20	10	14.73
DZ	1702		INF	-2	20	15	0
	1703	*	INF	-2	20	15	7.36
DR	1704		INF	-2	20	15	0
DR	1705		INF	-2	-10	0	0
DR	1706		INF	-2	0	0	0
DR	1707		INF	-2	-10	0	0
DZ	1708		INF	-2	-10	0	0
	1709		INF	-2	-10	0	7.36
	1710		INF	-2	-10	0	14.74
	1711	*	INF	-2	-10	0	19.68

* Indicates model was close to heave stop

TABLE B.22 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
DZ	1712		INF	-2	-10	5	0
	1713		INF	-2	-10	5	7.36
	1714	*	INF	-2	-10	5	14.72
DZ	1715		INF	-2	-10	10	0
	1716	*	INF	-2	-10	10	7.36
DZ	1717		INF	-2	-10	15	0
	1718	*	INF	-2	-10	15	7.37
DR	1719		INF	-2	0	10	0
DR	1720		INF	-2	0	10	0
	1721	*	INF	-2	0	10	14.72
			End of 20 degree deadrise dull straight course				
			Start of 10 Degree Deadrise Hull Straight Course				
1722-1757			Calibration checks				
DR	1758		INF	0	0	0	0
DR	1759		INF	0	0	0	0
DZ	1760		INF	0	0	0	0
	1761		INF	0	0	0	7.37
	1762		INF	0	0	0	14.74
	1763		INF	0	0	0	19.66
DZ	1764		INF	0	0	5	0
	1765		INF	0	0	5	7.37
	1766		INF	0	0	5	14.75
	1767		INF	0	0	5	19.67
DZ	1768		INF	0	0	10	0
	1769		INF	0	0	10	7.39
	1770	*	INF	0	0	10	14.74
DR	1771		INF	0	0	10	0
	1772	*	INF	0	0	10	19.62
DZ	1773		INF	0	0	15	0
	1774		INF	0	0	15	7.37
	1775	*	INF	0	0	15	14.73
	1776	*	INF	0	0	15	19.64
DR	1777		INF	0	0	15	0
DR	1778		INF	0	10	0	0
DZ	1779		INF	0	10	0	0
	1780		INF	0	10	0	7.37
	1781		INF	0	10	0	14.74
	1782		INF	0	10	0	19.65
DZ	1783		INF	0	10	5	0
	1784		INF	0	10	5	7.37
	1785		INF	0	10	5	14.74
	1786		INF	0	10	5	19.62
DZ	1787		INF	0	10	10	0
	1788		INF	0	10	10	7
	1789		INF	0	10	10	7
	1790		INF	0	10	10	14.73
	1791		INF	0	10	10	19.65

* Indicates model was close to heave stop

TABLE B.23 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
DZ	1792	INF	0	10	15	0
	1793	INF	0	10	15	7.37
	1794	INF	0	10	15	14.75
	1795	INF	0	10	15	19.66
1796-1807		Calibration checks				
DR	1808	INF	0	21	0	0
DZ	1809	INF	0	21	0	0
	1810	INF	0	21	0	7.37
	1811	INF	0	21	0	14.73
	1812	INF	0	21	0	19.63
DR	1813	INF	0	21	0	0
DZ	1814	INF	0	21	5	0
	1815	INF	0	21	5	7.36
	1816	INF	0	21	5	14.71
DR	1817	INF	0	21	5	0
	1818	INF	0	21	5	19.64
DZ	1819	INF	0	21	10	0
	1820	INF	0	21	10	7.36
	1821	INF	0	21	10	14.74
	1822	INF	0	21	10	19.64
DZ	1823	INF	0	21	15	0
	1824	INF	0	21	15	7.37
	1825	INF	0	21	15	14.74
	1826	INF	0	21	15	19.62
DR	1827	INF	0	21	15	0
DR	1828	INF	0	-10	0	0
DZ	1829	INF	0	-10	0	0
	1830	INF	0	-10	0	7.37
	1831	INF	0	10	0	14.75
	1832	INF	0	-10	0	19.66
DZ	1833	INF	0	-10	5	0
	1834	INF	0	-10	5	7.38
	1835	INF	0	-10	5	14.73
	1836	INF	0	-10	5	19.63
DZ	1837	INF	0	-10	10	0
DR	1838	INF	0	-10	10	0
DR	1839	INF	0	-10	10	0
	1840	INF	0	-10	10	7.36
	1841	INF	0	-10	10	14.77
	1842	INF	0	-10	10	19.65
DZ	1843	INF	0	-10	15	0
	1844	INF	0	-10	15	7.37
	1845	INF	0	-10	15	14.73
	1846	INF	0	-10	15	19.69
DR	1847	INF	0	-10	15	0
DR	1848	INF	0	0	0	0
DR	1849	INF	3	0	0	0
DZ	1850	INF	3	0	0	0
	1851	INF	3	0	0	7.37
	1852	INF	3	0	0	14.74

* Indicates model was close to heave stop

TABLE B.24 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
	1853	INF	3	0	0	19.68
DZ	1854	INF	3	0	0	0
	1855	INF	3	0	0	7.37
DZ	1856	INF	3	0	5	0
	1857	INF	3	0	5	7.37
	1858	INF	3	0	5	14.75
	1859	INF	3	0	5	19.65
DZ	1860	INF	3	0	10	0
	1861	INF	3	0	10	7.37
	1862	INF	3	0	10	14.73
	1863	INF	3	0	10	19.64
DZ	1864	INF	3	0	15	0
	1865	INF	3	0	15	7.37
	1866	INF	3	0	15	14.73
	1867	INF	3	0	15	19.63
DR	1868	INF	3	0	15	0
1869–1878		Calibration checks				
DR	1879	INF	3	10	0	0
DZ	1880	INF	3	10	0	0
	1881	INF	3	10	0	7.38
	1882	INF	3	10	0	14.72
	1883	INF	3	10	0	19.64
DZ	1884	INF	3	10	5	0
	1885	INF	3	10	5	7.37
	1886	INF	3	10	5	14.73
	1887	INF	3	10	5	19.69
DZ	1888	INF	3	10	10	0
	1889	INF	3	10	10	7.37
	1890	INF	3	10	10	14.73
	1891	INF	3	10	10	14.73
DR	1892	INF	3	10	10	0
	1893	INF	3	10	10	19.65
DZ	1894	INF	3	10	15	0
	1895	INF	3	10	15	7.36
	1896	INF	3	10	15	14.77
	1897	INF	3	10	15	19.63
DR	1898	INF	3	10	15	0
DR	1899	INF	3	21	0	0
DZ	1900	INF	3	21	0	0
	1901	INF	3	21	0	7.37
	1902	INF	3	21	0	14.73
	1903	INF	3	21	0	19.63
DZ	1904	INF	3	21	5	0
	1905	INF	3	21	5	7.37
	1906	INF	3	21	5	14.74
	1907	INF	3	21	5	19.63
DZ	1908	INF	3	21	10	0
	1909	INF	3	21	10	7.37
	1910	INF	3	21	10	14.74
	1911	INF	3	21	10	19.64

* Indicates model was close to heave stop

TABLE B.25 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
DZ	1912	INF	3	21	15	0
	1913	INF	3	21	15	7.37
	1914	INF	3	21	15	14.73
	1915	INF	3	21	15	19.67
DR	1916	INF	3	21	15	0
DR	1917	INF	3	-11	0	0
DZ	1918	INF	3	-11	0	0
	1919	INF	3	-11	0	7.37
	1920	INF	3	-11	0	14.75
	1921	INF	3	-11	0	19.65
DZ	1922	INF	3	-11	5	0
	1923	INF	3	-11	5	7.37
	1924	INF	3	-11	5	14.74
	1925	INF	3	-11	5	19.66
DZ	1926	INF	3	-11	10	0
	1927	INF	3	-11	10	7.37
	1928	INF	3	-11	10	14.77
	1929	INF	3	-11	10	19.64
DZ	1930	INF	3	-11	15	0
	1931	INF	3	-11	15	7.38
DR	1932	INF	3	-11	15	0
	1933	INF	3	-11	15	14.75
	1934	INF	3	-11	15	19.69
DR	1935	INF	3	-11	15	0
DR	1936	INF	3	-10	15	0
DR	1937	INF	3	21	15	0
DR	1938	INF	3	20	15	0
DR	1939	INF	3	0	15	0
DR	1940	INF	3	0	15	0
1941-1961		Calibration checks				
DR	1962	INF	6	0	0	0
DZ	1963	INF	6	0	0	0
	1964	INF	6	0	0	7.37
	1965	INF	6	0	0	14.73
	1966	INF	6	0	0	19.65
DZ	1967	INF	6	0	5	0
DR	1968	INF	6	0	5	0
	1969	INF	6	0	5	7.37
	1970	INF	6	0	5	14.73
	1971	INF	6	0	5	19.64
DZ	1972	INF	6	0	10	0
	1973	INF	6	0	10	7.37
	1974	INF	6	0	10	14.74
	1975	INF	6	0	10	19.64
DZ	1976	INF	6	0	15	0
	1977	INF	6	0	15	7.36
	1978	INF	6	0	15	14.73
	1979	INF	6	0	15	19.64
DR	1980	INF	6	0	15	0
DR	1981	INF	6	10	0	0

* Indicates model was close to heave stop

TABLE B.26 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
DZ	1982	INF	6	10	0	0
	1983	INF	6	10	0	7.37
	1984	INF	6	10	0	14.75
	1985	INF	6	10	0	19.63
DZ	1986	INF	6	10	5	0
	1987	INF	6	10	5	7.36
	1988	INF	6	10	5	14.73
	1989	INF	6	10	5	19.65
DZ	1990	INF	6	10	10	0
	1991	INF	6	10	10	7.37
	1992	INF	6	10	10	14.73
DZ	1993	INF	6	10	10	0
	1994	INF	6	10	10	19.67
DZ	1995	INF	6	10	15	0
	1996	INF	6	10	15	7.37
	1997	INF	6	10	15	14.73
	1998	INF	6	10	15	19.64
DR	1999	INF	6	10	0	0
DR	2000	INF	6	20	0	0
DR	2001	INF	6	20	0	0
DZ	2002	INF	6	20	0	0
	2003	INF	6	20	0	7.37
	2004	INF	6	20	0	14.74
	2005	INF	6	20	0	19.63
DR	2006	INF	6	20	5	0
DZ	2007	INF	6	20	5	0
	2008	INF	6	20	5	7.37
	2009	INF	6	20	5	14.73
	2010	INF	6	20	5	19.68
DZ	2011	INF	6	20	10	0
	2012	INF	6	20	10	7.37
	2013	INF	6	20	10	14.72
	2014	INF	6	20	10	19.68
DZ	2015	INF	6	20	15	0
	2016	INF	6	20	15	7.37
	2017	INF	6	20	15	14.73
	2018	INF	6	20	15	19.66
DR	2019	INF	6	20	0	0
DR	2020	INF	6	0	0	0
DR	2021	INF	6	-10	0	0
DZ	2022	INF	6	-10	0	0
	2023	INF	6	-10	0	7.37
	2024	INF	6	-10	0	14.74
	2025	INF	6	-10	0	19.64
DZ	2026	INF	6	-10	5	0
	2027	INF	6	-10	5	7.37
	2028	INF	6	-10	5	14.76
	2029	INF	6	-10	5	19.67
DZ	2030	INF	6	-10	10	0
	2031	INF	6	-10	10	7.37

* Indicates model was close to heave stop

TABLE B.27 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull				
	2032		INF	6	-10	10	14.72
	2033		INF	6	-10	10	19.62
DZ	2034		INF	6	-10	15	0
	2035		INF	6	-10	15	7.37
	2036		INF	6	-10	15	14.73
	2037		INF	6	-10	15	19.63
DR	2038		INF	6	-10	0	0
DR	2039		INF	-2	0	0	0
DR	2040		INF	-2	0	0	0
2041-2057			Calibration checks				
DR	2058		INF	-2	0	0	0
DZ	2059		INF	-2	0	0	0
	2060		INF	-2	0	0	7.36
DR	2061		INF	-2	0	0	0
DR	2062		INF	-2	0	0	0
	2063		INF	-2	0	0	7.36
	2064		INF	-2	0	0	14.74
DZ	2065		INF	-2	0	5	0
	2066		INF	-2	0	5	7.37
	2067		INF	-2	0	5	14.74
	2068		INF	-2	0	10	7.36
DZ	2069		INF	-2	0	10	0
DZ	2070		INF	-2	0	15	0
	2071	*	INF	-2	0	15	7.36
DR	2072		INF	-2	0	15	0
DR	2073		INF	-2	10	15	0
DZ	2074		INF	-2	10	0	0
	2075		INF	-2	10	0	7.37
	2076		INF	-2	10	0	14.73
	2077		INF	-2	10	0	19.68
DZ	2078		INF	-2	10	5	0
	2079		INF	-2	10	5	7.36
	2080		INF	-2	10	5	14.74
DZ	2081		INF	-2	10	10	0
	2082		INF	-2	10	10	7.37
DZ	2083		INF	-2	10	15	0
	2084		INF	-2	10	15	7.37
DR	2085		INF	-2	10	15	0
DR	2086		INF	-2	0	15	0
DR	2087		INF	-2	20	0	0
DR	2088		INF	-2	20	0	0
DR	2089		INF	-2	20	0	0
DZ	2090		INF	-2	20	0	0
	2091		INF	-2	20	0	7.37
	2092		INF	-2	20	0	14.76
	2093	*	INF	-2	20	0	19.64
DZ	2094		INF	-2	20	5	0
	2095		INF	-2	20	5	7.39
	2096		INF	-2	20	5	14.74
	2097	*	INF	-2	20	5	19.64

* Indicates model was close to heave stop

TABLE B.28 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
DZ	2098	INF	-2	20	10	0
	2099	INF	-2	20	10	7.36
	2100	INF	-2	20	10	14.74
DZ	2101	INF	-2	20	15	0
	2102	INF	-2	20	15	7.39
	2103	INF	-2	20	15	14.73
	2104	INF	-2	20	15	19.66
	2105	INF	-2	20	10	19.67
	2107	INF	-2	20	10	19.69
DZ	2108	INF	-2	20	12	0
	2109	INF	-2	20	12	19.66
DR	2110	INF	-2	0	0	0
DR	2111	INF	-2	-10	0	0
DZ	2112	INF	-2	-10	0	0
	2113	INF	-2	-10	0	7.38
	2114	INF	-2	-10	0	14.75
	2115	INF	-2	-10	0	19.64
DZ	2116	INF	-2	-10	5	0
	2117	INF	-2	-10	5	7.36
	2118	INF	-2	-10	5	14.74
DZ	2120	INF	-2	-10	10	0
	2121	INF	-2	-10	10	7.37
DZ	2122	INF	-2	-10	15	0
	2123 *	INF	-2	-10	15	7.37
2124-2171	Calibration checks and air tare tests					

	Run	Radius ft	Trim deg	Roll & Yaw deg	Rudder deg	Speed fps
			20 Degree Deadrise Hull Rudder Tests (Zero roll and yaw)			
DZ	2172	INF	3	0	0	0
	2173	INF	3	0	0	7.37
	2174	INF	3	0	0	14.73
	2175	INF	3	0	0	19.61
DZ	2176	INF	3	0	-20	0.00
	2177	INF	3	0	-20	7.36
	2178	INF	3	0	-20	14.73
	2179	INF	3	0	-20	19.64
DR	2180	INF	3	0	20	0.00
DZ	2181	INF	3	0	20	0.00
	2182	INF	3	0	20	7.37
	2183	INF	3	0	20	14.73
	2184	INF	3	0	20	19.62
	2185	INF	3	0	20	19.72
2186-2194	Calibration checks					
	2195	INF	3	0	20	19.63
DZ	2196	INF	3	0	-15	0.00
	2197	INF	3	0	-15	7.37
	2198	INF	3	0	-15	14.72

* Indicates model was close to heave stop

TABLE B.29 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll & Yaw deg	Rudder deg	Speed fps
			20 Degree Deadrise Hull Rudder Tests			
	2199	INF	3	0	-15	19.63
	2200	INF	3	0	-10	7.37
	2201	INF	3	0	-10	14.77
	2202	INF	3	0	-10	19.67
	2203	INF	3	0	-5	7.38
	2204	INF	3	0	-5	14.77
DR	2205	INF	3	0	-5	0.00
	2206	INF	3	0	-5	19.66
	2207	INF	3	0	15	19.68
	2208	INF	3	0	15	19.67
	2209	INF	3	0	-15	19.64
			10 Degree Deadrise Hull Rudder Tests			
2210-2216		Calibration checks				
DZ	2217	INF	3	0	0	0.00
	2218	INF	3	0	0	7.36
	2219	INF	3	0	0	14.75
	2220	INF	3	0	0	19.64
	2221	INF	3	0	15	7.38
	2222	INF	3	0	15	14.74
	2223	INF	3	0	15	19.67
	2224	INF	3	0	-15	7.37
	2225	INF	3	0	-15	14.74
	2226	INF	3	0	-15	19.67
2227-2234		Calibration checks				
DZ	2235	INF	3	0	0	0.00
	2236	INF	3	0	-15	19.66
	2237	INF	3	0	-10	7.36
	2238	INF	3	0	-10	14.73
	2239	INF	3	0	-10	19.63
	2240	INF	3	0	-5	7.38
	2241	INF	3	0	-5	14.73
	2242	INF	3	0	-5	19.66
	2243	INF	3	0	-20	7.37
	2244	INF	3	0	-20	14.74
	2245	INF	3	0	-20	19.64
	2246	INF	3	0	-20	19.62
		Displacement increased to 21.49 lb				
DZ	2247	INF	3	0	-20	0.00
	2248	INF	3	0	-20	19.65
	2249	INF	3	0	-15	19.67
		Displacement restored to 11.49 lb				
2250-2299		Numbers not used				

End of straight course tests

* Indicates model was close to heave stop

TABLE B.30 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
	Start of 10 Degree Deadrise Hull at 16 ft Radius						
	2300-2314		Calibration checks				
DZ	2315		16	0	0	0	0
	2316		16	0	0	0	7.51
DR	2317		16	0	0	0	0
	2318		16	0	0	0	7.35
	2319		16	0	0	0	15.01
	2320		16	0	0	0	14.72
DR	2321		16	0	0	0	20.44
	2322		16	0	0	0	19.44
	2323		16	0	0	0	19.76
	2324		16	0	0	0	19.63
DR	2325		16	0	0	0	0
	2326		16	0	0	0	19.61
	2327		16	0	0	0	19.51
	2328		16	0	0	0	19.58
DZ	2329		16	0	0	5	0
	2330		16	0	0	5	7.36
	2331		16	0	0	5	14.74
	2332		16	0	0	5	14.76
	2333		16	0	0	5	19.57
DR	2334		16	0	0	10	0
	2335		16	0	0	10	7.36
DZ	2336		16	0	0	10	0
	2337	*	16	0	0	10	14.75
	2338	*	16	0	0	10	14.76
	2339	*	16	0	0	10	19.60
DZ	2340		16	0	0	-5	0
	2341		16	0	0	-5	7.37
	2342		16	0	0	-5	14.75
	2343		16	0	0	-5	19.59
DZ	2344		16	0	0	-10	0
	2345		16	0	0	-10	7.37
	2346		16	0	0	-10	14.75
	2347		16	0	0	-10	19.61
DZ	2348		16	0	0	-15	0
	2349		16	0	0	-15	7.37
	2350	*	16	0	0	-15	14.76
DR	2351		16	0	0	-15	0
	2352		16	0	0	-15	19.19
	2353-2372		Calibration checks				
DZ	2373		16	0	10	0	0
	2374		16	0	10	0	7.37
	2375		16	0	10	0	14.76
	2376		16	0	10	0	19.15
	2377		16	0	10	0	19.59
DZ	2378		16	0	10	5	0
	2379		16	0	10	5	7.36
	2380		16	0	10	5	14.74
	2381		16	0	10	5	19.57

* Indicates model was close to heave stop

TABLE B.31 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull				
DZ	2382		16	0	10	10	0
	2383		16	0	10	10	7.36
	2384		16	0	10	10	14.76
	2385		16	0	10	10	19.59
DZ	2386		16	0	10	15	0
	2387		16	0	10	15	7.36
	2388		16	0	10	15	14.75
	2389		16	0	10	15	19.58
DZ	2390		16	0	10	-5	0
	2391		16	0	10	-5	7.37
	2392		16	0	10	-5	14.75
DR	2393		16	0	10	-5	0
	2394		16	0	10	-5	19.57
DZ	2395		16	0	10	-10	0
	2396		16	0	10	-10	7.38
	2397	*	16	0	10	-10	14.79
DZ	2399		16	0	20	0	0
	2400		16	0	20	0	7.36
	2401		16	0	20	0	14.73
	2402		16	0	20	0	19.57
DZ	2403		16	0	20	0	0
	2404		16	0	20	5	7.36
	2405		16	0	20	5	14.74
	2406		16	0	20	5	19.57
DZ	2407		16	0	20	10	0
	2408		16	0	20	10	7.37
	2409		16	0	20	10	14.73
	2410		16	0	20	10	19.68
DZ	2411		16	0	20	15	0
	2412		16	0	20	15	7.36
	2413		16	0	20	15	14.74
	2414		16	0	20	15	19.70
DZ	2415		16	0	20	-5	0
	2416		16	0	20	-5	7.36
	2417		16	0	20	-5	14.73
	2418		16	0	20	-5	19.69
DZ	2419		16	0	20	-10	0
	2420		16	0	20	-10	7.36
	2421	*	16	0	20	-10	14.75
DZ	2422		16	0	20	-15	0
	2423	*	16	0	20	-15	7.36
DR	2424		16	0	20	-15	0
DR	2425		16	0	0	0	0
DR	2426		16	0	-10	0	0
DZ	2427		16	0	-10	0	0
	2428		16	0	-10	0	7.36
	2429		16	0	-10	0	14.74
	2430		16	0	-10	0	19.68
DZ	2431		16	0	-10	5	0
	2432		16	0	-10	5	7.36

* Indicates model was close to heave stop

TABLE B.32 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
	2433	16	0	-10	5	14.74
	2434	16	0	-10	5	19.69
DZ	2435	16	0	-10	10	0
	2436	16	0	-10	10	7.36
	2437 *	16	0	-10	10	14.75
2438-2453	Calibration checks					
DZ	2454	16	0	-10	15	0
	2455 *	16	0	-10	15	7.35
	2457 *	16	0	-10	15	14.73
DZ	2458	16	0	-10	-5	0
	2459	16	0	-10	-5	7.36
	2460	16	0	-10	-5	14.74
	2461	16	0	-10	-5	19.68
DZ	2462	16	0	-10	-10	0
	2463	16	0	-10	-10	7.36
	2464	16	0	-10	-10	14.75
DR	2465	16	0	-10	-10	122.18
DR	2466	16	0	-10	-10	20.17
DR	2467	16	0	-10	-10	16.76
	2468	16	0	-10	-10	19.68
	2469	16	0	-10	-10	19.66
	2470	16	0	-10	-10	14.72
DZ	2471	16	0	-10	-15	0
	2472	16	0	-10	-15	7.34
	2473	16	0	-10	-15	14.71
	2474	16	0	-10	-15	19.67
DR	2475	16	0	0	0	0
DR	2476	16	0	0	0	0
DZ	2477	16	3	0	0	0
	2478	16	3	0	0	7.34
	2479	16	3	0	0	14.71
	2480	16	3	0	0	19.65
DZ	2481	16	3	0	5	0
	2482	16	3	0	5	7.34
	2483	16	3	0	5	14.71
	2484	16	3	0	5	19.64
DZ	2485	16	3	0	10	0
	2486	16	3	0	10	7.35
	2487	16	3	0	10	14.74
	2488	16	3	0	10	19.65
DZ	2489	16	3	0	15	0
	2490	16	3	0	15	7.35
	2491	16	3	0	15	14.72
	2492	16	3	0	15	19.63
DZ	2493	16	3	0	-5	0
	2494	16	3	0	-5	7.35
	2495	16	3	0	-5	14.72
	2496	16	3	0	-5	19.58

* Indicates model was close to heave stop

TABLE B.33 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
		10 Degree Deadrise Hull				
DZ	2497	16	3	0	-10	0
	2498	16	3	0	-10	7.35
	2499	16	3	0	-10	14.72
	2500	16	3	0	-10	19.60
DZ	2501	16	3	0	-15	0
	2502	16	3	0	-15	7.35
	2503	16	3	0	-15	14.72
	2504	16	3	0	-15	19.61
DR	2505	16	3	10	0	0
DR	2506	16	3	10	0	0
DZ	2507	16	3	10	0	0
	2508	16	3	10	0	7.35
	2509	16	3	10	0	14.72
	2510	16	3	10	0	19.65
DZ	2511	16	3	10	5	0
	2512	16	3	10	5	7.35
	2513	16	3	10	5	14.72
	2514	16	3	10	5	19.60
DZ	2515	16	3	10	-5	0
	2516	16	3	10	-5	7.35
	2517	16	3	10	-5	14.74
	2518	16	3	10	-5	19.64
DZ	2519	16	3	10	-10	0
	2520	16	3	10	-10	7.35
	2521	16	3	10	-10	14.72
	2522	16	3	10	-10	19.62
2523-2534		Calibration checks				
DZ	2535	16	3	10	-15	0
	2536	16	3	10	-15	7.34
	2537	16	3	10	-15	14.71
	2538	16	3	10	-15	19.64
DR	2539	16	3	10	-15	0
DZ	2540	16	3	10	10	0
	2541	16	3	10	10	7.35
	2542	16	3	10	10	14.72
	2543	16	3	10	10	19.67
	2544	16	3	10	10	19.64
DZ	2545	16	3	10	15	0
	2546	16	3	10	15	7.35
	2547	16	3	10	15	14.72
	2548	16	3	10	15	19.66
	2549	16	3	10	15	19.68
DR	2550	16	3	20	0	0
DR	2551	16	3	20	0	0
DZ	2552	16	3	20	15	0
	2553	16	3	20	15	7.35
	2554	16	3	20	15	14.72
	2555	16	3	20	15	19.66

* Indicates model was close to heave stop

TABLE B.34 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
DZ	2556	16	3	20	10	0
	2557	16	3	20	10	7.35
	2558	16	3	20	10	7.35
	2559	16	3	20	10	14.72
	2560	16	3	20	10	19.65
DZ	2561	16	3	20	5	0
	2562	16	3	20	5	7.35
	2563	16	3	20	5	14.73
	2564	16	3	20	5	14.74
	2565	16	3	20	5	19.64
DZ	2566	16	3	20	0	0
	2567	16	3	20	0	7.35
	2568	16	3	20	0	14.75
	2569	16	3	20	0	19.66
DZ	2570	16	3	20	-5	0
	2571	16	3	20	-5	7.35
	2572	16	3	20	-5	14.73
	2573	16	3	20	-5	19.61
DZ	2574	16	3	20	-10	0
	2575	16	3	20	-10	7.35
	2576	16	3	20	-10	14.72
	2577	16	3	20	-10	19.63
DZ	2578	16	3	20	-15	0
	2579	16	3	20	-15	7.36
	2580	16	3	20	-15	14.73
DR	2581	16	3	20	-15	0
DR	2582	16	3	20	-15	0
DR	2583	16	3	20	-15	0
DR	2584	16	3	20	-15	0
DZ	2585	16	3	-10	0	0
	2586	16	3	-10	0	7.35
	2587	16	3	-10	0	14.74
	2588	16	3	-10	0	19.67
DR	2589	16	3	-10	-5	0
DZ	2590	16	3	-10	-5	0
	2591	16	3	-10	-5	7.36
	2592	16	3	-10	-5	14.74
	2593	16	3	-10	-5	19.64
DR	2594	16	3	-10	-10	0
DZ	2595	16	3	-10	-10	0
	2596	16	3	-10	-10	7.36
	2597	16	3	-10	-10	14.72
	2598	16	3	-10	-10	19.64
DZ	2599	16	3	-10	-15	0
	2600	16	3	-10	-15	7.36
	2601	16	3	-10	-15	14.72
	2602	16	3	-10	-15	19.63
DZ	2603	16	3	-10	5	0
	2604	16	3	-10	5	7.35
	2605	16	3	-10	5	14.72

* Indicates model was close to heave stop

TABLE B.35 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
	2606	16	3	-10	5	19.66
DZ	2607	16	3	-10	10	0
	2608	16	3	-10	10	7.35
	2609	16	3	-10	10	14.72
	2610	16	3	-10	10	19.64
DZ	2611	16	3	-10	15	0
	2612	16	3	-10	15	7.35
	2613 *	16	3	-10	15	14.75
DR	2614	16	6	0	0	0
DZ	2615	16	6	0	0	0
	2616	16	6	0	0	7.35
	2617	16	6	0	0	14.72
	2618	16	6	0	0	14.74
	2619	16	6	0	0	19.61
DZ	2620	16	6	0	5	0
	2621	16	6	0	5	7.35
	2622	16	6	0	5	14.73
	2623	16	6	0	5	19.65
2624-2641	Calibration checks					
DZ	2642	16	6	0	10	0
	2643	16	6	0	10	7.35
	2644	16	6	0	10	14.72
	2645	16	6	0	10	19.68
DZ	2646	16	6	0	15	0
	2647	16	6	0	15	7.35
	2648	16	6	0	15	14.73
	2649	16	6	0	15	19.69
DZ	2650	16	6	0	-5	0
	2651	16	6	0	-5	7.36
	2652	16	6	0	-5	14.73
	2653	16	6	0	-5	19.69
DZ	2654	16	6	0	-10	0
	2655	16	6	0	-10	7.35
	2656	16	6	0	-10	14.73
	2657	16	6	0	-10	19.70
DZ	2658	16	6	0	-15	0
	2659	16	6	0	-15	7.36
	2660	16	6	0	-15	14.75
	2661	16	6	0	-15	19.69
DR	2662	16	6	10	0	0
DZ	2663	16	6	10	0	0
	2664	16	6	10	0	7.35
	2665	16	6	10	0	14.72
	2666	16	6	10	0	19.68
DZ	2667	16	6	10	5	0
	2668	16	6	10	5	7.35
	2669	16	6	10	5	14.74
	2670	16	6	10	5	19.69
DZ	2671	16	6	10	10	0
	2672	16	6	10	10	7.36

* Indicates model was close to heave stop

TABLE B.36 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull			
	2673	16	6	10	10	14.76
	2674	16	6	10	10	19.71
DZ	2675	16	6	10	15	0
	2676	16	6	10	15	7.36
	2677	16	6	10	15	14.72
	2678	16	6	10	15	19.61
DZ	2679	16	6	10	-5	0
	2680	16	6	10	-5	7.35
	2681	16	6	10	-5	14.71
	2682	16	6	10	-5	19.63
DZ	2683	16	6	10	-10	0
	2684	16	6	10	-10	7.35
	2685	16	6	10	-10	14.74
	2686	16	6	10	-10	19.60
	2687	16	6	10	-10	19.61
DZ	2688	16	6	10	-15	0
	2689	16	6	10	-15	7.35
	2690	16	6	10	-15	14.73
	2691	16	6	10	-15	19.64
DR	2692	16	6	20	0	0
DR	2693	16	6	20	0	0
DR	2694	16	6	20	0	0
DZ	2695	16	6	20	0	0
	2696	16	6	20	-10	7.35
	2697	16	6	20	-10	7.35
	2698	16	6	20	-10	14.72
	2699	16	6	20	-10	19.66
	2700	16	6	20	-10	19.61
DZ	2701	16	6	20	-15	0
	2702	16	6	20	-15	7.36
	2703	16	6	20	-15	14.74
	2704	16	6	20	-15	19.66
DZ	2705	16	6	20	-5	0
	2706	16	6	20	-5	7.35
	2707	16	6	20	-5	14.74
	2708	16	6	20	-5	19.65
DZ	2709	16	6	20	0	0
	2710	16	6	20	0	7.35
	2711	16	6	20	0	14.74
	2712	16	6	20	0	19.62
DZ	2713	16	6	20	5	0
	2714	16	6	20	5	7.35
	2715	16	6	20	5	14.72
	2716	16	6	20	5	19.65
DZ	2717	16	6	20	10	0
	2718	16	6	20	10	7.35
	2719	16	6	20	10	14.74
DR	2720	16	6	20	10	0
2721-2733		Calibration checks				
DZ	2735	16	6	20	10	0

* Indicates model was close to heave stop

TABLE B.37 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			10 Degree Deadrise Hull				
	2736		16	6	20	10	19.66
	2737		16	6	20	5	19.64
DZ	2738		16	6	20	15	0
	2739		16	6	20	15	7.35
	2740		16	6	20	15	14.74
	2741		16	6	20	15	19.67
	2743		16	6	10	-15	19.67
2744-2790	Air tare tests						
			Temporary end of 10 degree deadrise hull at 16 ft radius Resumed at Run 3278				
			Start of 20 Degree Deadrise Hull at 16 ft Radius				
2791-2796	Calibration checks						
DR	2796		16	0	0	0	0
DZ	2797		16	0	0	0	0
DR	2798		16	0	0	0	0
	2799		16	0	0	0	7.35
	2800		16	0	0	0	14.75
	2801		16	0	0	0	19.68
DZ	2802		16	0	0	5	0
	2803		16	0	0	5	7.35
	2804		16	0	0	5	14.73
	2805		16	0	0	5	19.67
2806-2815	Calibration checks						
DZ	2816		16	0	0	10	0
	2817		16	0	0	10	7.35
	2818	*	16	0	0	10	14.73
DR	2819		16	0	0	10	0
	2820	*	16	0	0	10	19.67
DZ	2821		16	0	0	-5	0
	2822		16	0	0	-5	7.36
	2823		16	0	0	-5	14.74
	2824		16	0	0	-5	19.66
DZ	2825		16	0	0	-10	0
	2826		16	0	0	-10	7.36
DR	2827		16	0	0	-10	0
	2828		16	0	0	-10	14.75
	2829		16	0	0	-10	19.69
DZ	2830		16	0	0	-15	0
DZ	2831		16	0	0	-15	0
	2832	*	16	0	0	-15	7.36
	2833	*	16	0	0	-15	14.74
DR	2834		16	0	10	0	0
DZ	2835		16	0	10	0	0
	2836		16	0	10	0	7.36
	2837		16	0	10	0	14.75
	2838		16	0	10	0	19.68
DZ	2839		16	0	10	5	0

* Indicates model was close to heave stop

TABLE B.38 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
	2840		16	0	10	5	7.36
	2841		16	0	10	5	14.77
	2842		16	0	10	5	19.68
DZ	2843		16	0	10	10	0
	2844		16	0	10	10	7.36
	2845		16	0	10	10	14.77
	2846		16	0	10	10	19.68
DZ	2847		16	0	10	15	0
	2848		16	0	10	15	7.37
	2849		16	0	10	15	7.36
	2850	*	16	0	10	15	14.76
DZ	2851		16	0	10	-5	0
	2852		16	0	10	-5	7.37
	2853		16	0	10	-5	14.76
	2854		16	0	10	-5	19.71
DZ	2855		16	0	10	-10	0
	2856		16	0	10	-10	7.37
	2857		16	0	10	-10	14.74
	2858		16	0	10	-10	19.67
DZ	2859		16	0	10	-15	0
	2860	*	16	0	10	-15	7.36
DR	2861		16	0	20	0	0
DR	2862		16	0	20	0	0
DR	2863		16	0	20	0	0
DZ	2864		16	0	20	0	0
	2865		16	0	20	0	7.35
	2866		16	0	20	0	14.73
	2867		16	0	20	0	19.63
DZ	2868		16	0	20	5	0
	2869		16	0	20	5	7.36
	2870		16	0	20	5	14.75
	2871		16	0	20	5	19.69
DZ	2872		16	0	20	10	0
	2873		16	0	20	10	7.36
	2874		16	0	20	10	14.74
	2875		16	0	20	10	19.68
DZ	2876		16	0	20	15	0
	2877		16	0	20	15	7.36
	2878		16	0	20	15	14.76
	2879		16	0	20	15	19.66
DZ	2880		16	0	20	-5	0
DR	2881		16	0	20	-5	0
DR	2882		16	0	20	15	0
	2883		16	0	20	15	14.76
	2884		16	0	20	15	19.68
DZ	2885		16	0	20	-5	0
	2886		16	0	20	-5	7.36
	2887		16	0	20	-5	14.74
	2888		16	0	20	-5	19.63

* Indicates model was close to heave stop

TABLE B.39 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
DZ	2889		16	0	20	-10	0
	2890		16	0	20	-10	7.37
DZ	2891		16	0	20	-10	0
	2892		16	0	20	-10	14.74
	2893		16	0	20	-10	19.69
	2894	*	16	0	20	-15	7.36
DZ	2895		16	0	20	-15	0
	2896	*	16	0	20	-15	14.75
2897-2911			Calibration checks				
DZ	2912		16	0	-10	0	0
	2913		16	0	-10	0	7.35
	2914		16	0	-10	0	14.73
	2915		16	0	-10	0	19.68
DZ	2916		16	0	-10	5	0
	2917		16	0	-10	5	7.36
	2918		16	0	-10	5	14.75
	2919		16	0	-10	5	19.73
DZ	2920		16	0	-10	10	0
	2921		16	0	-10	10	7.36
	2922	*	16	0	-10	10	14.75
DR	2923		16	0	-10	10	0
DZ	2924		16	0	-10	15	0
	2925	*	16	0	-10	15	7.36
DZ	2926		16	0	-10	-5	0
	2927		16	0	-10	-5	7.36
	2928		16	0	-10	-5	14.74
	2929		16	0	-10	-5	19.73
DZ	2930		16	0	-10	-10	0
	2931		16	0	-10	-10	7.36
	2932		16	0	-10	-10	14.74
	2933		16	0	-10	-10	19.72
DZ	2934		16	0	-10	-15	0
	2935		16	0	-10	-15	7.36
	2936		16	0	-10	-15	7.36
	2937	*	16	0	-10	-15	14.75
	2938	*	16	0	-10	-15	15.34
	2939	*	16	0	-10	-15	14.75
DR	2940		16	0	-10	-15	0
DR	2941		16	3	0	0	0
DZ	2942		16	3	0	0	0
	2943		16	3	0	0	7.36
	2944		16	3	0	0	14.76
	2945		16	3	0	0	19.58
DZ	2946		16	3	0	5	0
	2947		16	3	0	5	7.36
	2948		16	3	0	5	14.73
	2949		16	3	0	5	19.62
DZ	2950		16	3	0	10	0
	2951		16	3	0	10	7.36
	2952		16	3	0	10	19.71

* Indicates model was close to heave stop

TABLE B.40 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
	2953	16	3	0	10	14.78
DZ	2954	16	3	0	15	0
	2955	16	3	0	15	7.36
	2956	16	3	0	15	14.74
	2957	16	3	0	15	19.62
DZ	2958	16	3	0	-5	0
	2959	16	3	0	-5	7.36
	2960	16	3	0	-5	14.75
	2961	16	3	0	-5	19.65
DZ	2962	16	3	0	-10	0
	2963	16	3	0	-10	7.36
	2964	16	3	0	-10	14.75
	2965	16	3	0	-10	19.64
DR	2966	16	3	0	-15	0
DZ	2967	16	3	0	-15	0
	2968	16	3	0	-15	7.36
	2969	16	3	0	-15	14.76
	2970	16	3	0	-15	19.67
DR	2971	16	3	10	0	0
DZ	2972	16	3	10	0	0
	2973	16	3	10	0	7.37
	2974	16	3	10	0	14.75
	2975	16	3	10	0	19.56
DZ	2976	16	3	10	-5	0
	2977	16	3	10	-5	7.36
	2978	16	3	10	-5	14.76
	2979	16	3	10	-5	19.60
DZ	2980	16	3	10	-10	0
	2981	16	3	10	-10	7.36
	2982	16	3	10	-10	14.75
	2983	16	3	10	-10	19.69
DZ	2984	16	3	10	-15	0
	2985	16	3	10	-15	7.36
	2986	16	3	10	-15	7.36
	2987	16	3	10	-15	14.75
	2988	16	3	10	-15	19.69
DZ	2989	16	3	10	5	0
	2990	16	3	10	5	7.36
	2991	16	3	10	5	14.76
	2992	16	3	10	5	19.68
DZ	2993	16	3	10	10	0
	2994	16	3	10	10	7.36
	2995	16	3	10	10	14.74
	2996	16	3	10	10	19.67
DZ	2997	16	3	10	15	0
	2998	16	3	10	15	7.36
	2999	16	3	10	15	14.76
	3000	16	3	10	15	19.65
DR	3001	16	3	10	15	0

* Indicates model was close to heave stop

TABLE B.41 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
DR	3002	16	3	20	0	0
DZ	3003	16	3	20	0	0
	3004	16	3	20	0	7.36
	3005	16	3	20	0	14.74
	3006	16	3	20	0	19.66
DZ	3007	16	3	20	5	0
	3008	16	3	20	5	7.36
	3009	16	3	20	5	14.76
	3010	16	3	20	5	19.65
3011-3019		Calibration checks				
DR	3020	16	0	0	0	0
DR	3021	16	0	0	0	0
DR	3022	16	3	20	10	0
DR	3023	16	3	20	10	0
DZ	3024	16	3	20	10	0
	3025	16	3	20	10	7.34
	3026	16	3	20	10	14.68
	3027	16	3	20	10	19.52
	3028	16	3	20	10	19.66
DZ	3029	16	3	20	15	0
	3030	16	3	20	15	7.33
	3031	16	3	20	15	14.69
	3032	16	3	20	15	19.67
DZ	3033	16	3	20	-5	0
	3034	16	3	20	-5	7.34
	3035	16	3	20	-5	14.72
	3036	16	3	20	-5	19.71
DZ	3037	16	3	20	-10	0
	3038	16	3	20	-10	7.34
	3039	16	3	20	-10	14.71
	3040	16	3	20	-10	19.75
	3041	16	3	20	-10	19.64
DZ	3042	16	3	20	-15	0
	3043	16	3	20	-15	7.34
	3044	16	3	20	-15	14.72
	3045	16	3	20	-15	19.67
DR	3046	16	3	-10	0	0
DZ	3047	16	3	-10	0	0
	3048	16	3	-10	0	7.34
	3049	16	3	-10	0	14.73
	3050	16	3	-10	0	19.67
DZ	3051	16	3	-10	5	0
	3052	16	3	-10	5	7.35
	3053	16	3	-10	5	14.72
	3054	16	3	-10	5	14.73
	3055	16	3	-10	5	19.67
DZ	3056	16	3	-10	10	0
	3057	16	3	-10	10	7.35
	3058	16	3	-10	10	14.71
	3059	16	3	-10	10	19.66

* Indicates model was close to heave stop

TABLE B.42 CHRONOLOGICAL RUN DIRECTORY

	Run		Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull				
	3060		16	3	-10	15	7.35
DZ	3061		16	3	-10	15	0
	3062	*	16	3	-10	15	14.71
DR	3063		16	3	-10	15	0
DZ	3064		16	3	-10	-5	0
	3065		16	3	-10	-5	7.34
	3066		16	3	-10	-5	14.72
	3067		16	3	-10	-5	19.69
DZ	3068		16	3	-10	-10	0
	3069		16	3	-10	-10	7.34
	3070		16	3	-10	-10	14.72
	3071		16	3	-10	-10	19.67
DZ	3072		16	3	-10	-15	0
	3073		16	3	-10	-15	7.35
	3074		16	3	-10	-15	14.71
	3075		16	3	-10	-15	19.62
DR	3076		16	3	-10	-15	0
DR	3077		16	6	0	0	0
DR	3078		16	6	0	0	0
DZ	3079		16	6	0	0	0
DR	3080		16	6	0	0	0
	3081		16	6	0	0	14.70
	3082		16	6	0	0	7.34
	3083		16	6	0	0	19.62
DR	3084		16	6	0	5	0
	3085		16	6	0	5	7.34
	3086		16	6	0	5	14.70
	3087		16	6	0	5	19.63
DR	3088		16	6	0	10	0
DR	3089		16	6	0	10	0
	3090		16	6	0	10	7.34
	3091		16	6	0	10	14.71
	3092		16	6	0	10	19.62
DZ	3093		16	6	0	15	0
	3094		16	6	0	15	7.34
	3095		16	6	0	15	14.73
	3096		16	6	0	15	19.62
DZ	3097		16	6	0	-5	0
	3098		16	6	0	-5	7.34
	3099		16	6	0	-5	14.71
	3100		16	6	0	-5	19.63
DZ	3101		16	6	0	-10	0
	3102		16	6	0	-10	7.34
	3103		16	6	0	-10	14.49
	3104		16	6	0	-10	14.73
	3105		16	6	0	-10	19.62
DZ	3106		16	6	0	-15	0
	3107		16	6	0	-15	7.34
	3108		16	6	0	-15	14.73
	3109		16	6	0	-15	19.63

* Indicates model was close to heave stop

TABLE B.43 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
	3110-3124	Calibration checks				
DZ	3125	16	6	10	0	0
	3126	16	6	10	0	7.32
	3127	16	6	10	0	14.68
	3128	16	6	10	0	19.59
DZ	3129	16	6	10	5	0
	3130	16	6	10	5	7.32
	3131	16	6	10	5	14.69
	3132	16	6	10	5	19.59
DR	3133	16	6	10	10	0
DZ	3134	16	6	10	10	0
	3135	16	6	10	10	7.33
	3136	16	6	10	10	14.69
	3137	16	6	10	10	19.61
DZ	3138	16	6	10	15	0
	3139	16	6	10	15	7.33
	3140	16	6	10	15	14.70
	3141	16	6	10	15	19.59
DZ	3142	16	6	10	-5	0
	3143	16	6	10	-5	7.33
	3144	16	6	10	-5	14.71
	3145	16	6	10	-5	19.57
DZ	3146	16	6	10	-10	0
	3147	16	6	10	-10	7.33
	3148	16	6	10	-10	14.71
	3149	16	6	10	-10	19.59
DZ	3150	16	6	10	-15	0
	3151	16	6	10	-15	7.33
	3152	16	6	10	-15	14.72
	3153	16	6	10	-15	19.63
DR	3154	16	6	10	-15	0
DR	3155	16	6	20	0	0
DZ	3156	16	6	20	0	0
	3157	16	6	20	0	7.34
	3158	16	6	20	0	14.70
	3159	16	6	20	0	19.60
DZ	3160	16	6	20	-5	0
	3161	16	6	20	-5	7.33
	3162	16	6	20	-5	14.70
	3163	16	6	20	-5	19.58
DZ	3164	16	6	20	-10	0
	3165	16	6	20	-10	7.34
	3166	16	6	20	-10	14.71
	3167	16	6	20	-10	19.61
DZ	3168	16	6	20	-15	0
	3169	16	6	20	-15	7.34
	3170	16	6	20	-15	14.73
	3171	16	6	20	-15	19.59

* Indicates model was close to heave stop

TABLE B.44 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
			20 Degree Deadrise Hull			
DZ	3172	16	6	20	5	0
	3173	16	6	20	5	7.34
	3174	16	6	20	5	14.71
	3175	16	6	20	5	19.61
DZ	3176	16	6	20	10	0
	3177	16	6	20	10	7.34
	3178	16	6	20	10	14.73
	3179	16	6	20	10	19.62
DZ	3180	16	6	20	15	0
	3181	16	6	20	15	7.34
	3182	16	6	20	15	14.73
	3183	16	6	20	15	19.65
DR	3184	16	6	-10	0	0
DR	3185	16	6	-10	0	0
DZ	3186	16	6	-10	0	0
	3187	16	6	-10	0	7.36
	3188	16	6	-10	0	14.75
	3189	16	6	-10	0	19.64
DZ	3190	16	6	-10	-5	0
	3191	16	6	-10	-5	7.36
	3192	16	6	-10	-5	14.72
	3193	16	6	-10	-5	19.63
DZ	3194	16	6	-10	-10	0
	3195	16	6	-10	-10	7.35
	3196	16	6	-10	-10	14.73
	3197	16	6	-10	-10	19.65
DZ	3198	16	6	-10	-15	0
	3199	16	6	-10	-15	7.35
	3200	16	6	-10	-15	14.75
	3201	16	6	-10	-15	19.64
DZ	3202	16	6	-10	5	0
	3203	16	6	-10	5	7.35
	3204	16	6	-10	5	14.73
	3205	16	6	-10	5	19.65
DZ	3206	16	6	-10	10	0
	3207	16	6	-10	10	7.35
	3208	16	6	-10	10	14.73
	3209	16	6	-10	10	19.67
DZ	3210	16	6	-10	15	0
	3211	16	6	-10	15	7.35
	3212	16	6	-10	15	7.36
	3213	16	6	-10	15	14.74
DR	3214	16	6	-10	15	0
DR	3215	16	6	-10	15	0
DR	3216	16	6	-10	15	0
3217-3229	Calibration checks					
3230-3277	Air tare tests					

End of 20 Degree Deadrise Hull at 16 ft radius

* Indicates model was close to heave stop

TABLE B.45 CHRONOLOGICAL RUN DIRECTORY

	Run	Radius ft	Trim deg	Roll deg	Yaw deg	Speed fps
Resumption of 10 Degree Deadrise Hull at 16 ft Radius						
3278-3283	Calibration checks					
DZ	3284	16	6	-10	0	0
	3285	16	6	-10	0	7.34
	3286	16	6	-10	0	14.71
	3287	16	6	-10	0	19.62
DZ	3288	16	6	-10	5	0
	3289	16	6	-10	5	7.34
DR	3290	16	6	-10	5	0
	3291	16	6	-10	5	14.69
	3292	16	6	-10	5	19.59
DZ	3293	16	6	-10	10	0
	3294	16	6	-10	10	7.33
	3295	16	6	-10	10	14.69
	3296	16	6	-10	10	19.59
DZ	3297	16	6	-10	15	0
	3298	16	6	-10	15	7.33
	3299	16	6	-10	15	14.69
DR	3300	16	6	-10	15	0
DZ	3301	16	6	-10	-5	0
	3302	16	6	-10	-5	7.33
	3303	16	6	-10	-5	14.70
	3304	16	6	-10	-5	19.57
DZ	3305	16	6	-10	-10	0
	3306	16	6	-10	-10	7.33
	3307	16	6	-10	-10	14.70
	3308	16	6	-10	-10	19.58
DZ	3309	16	6	-10	-15	0
	3310	16	6	-10	-15	7.34
	3311	16	6	-10	-15	14.70
	3312	16	6	-10	-15	19.58

END OF TESTS

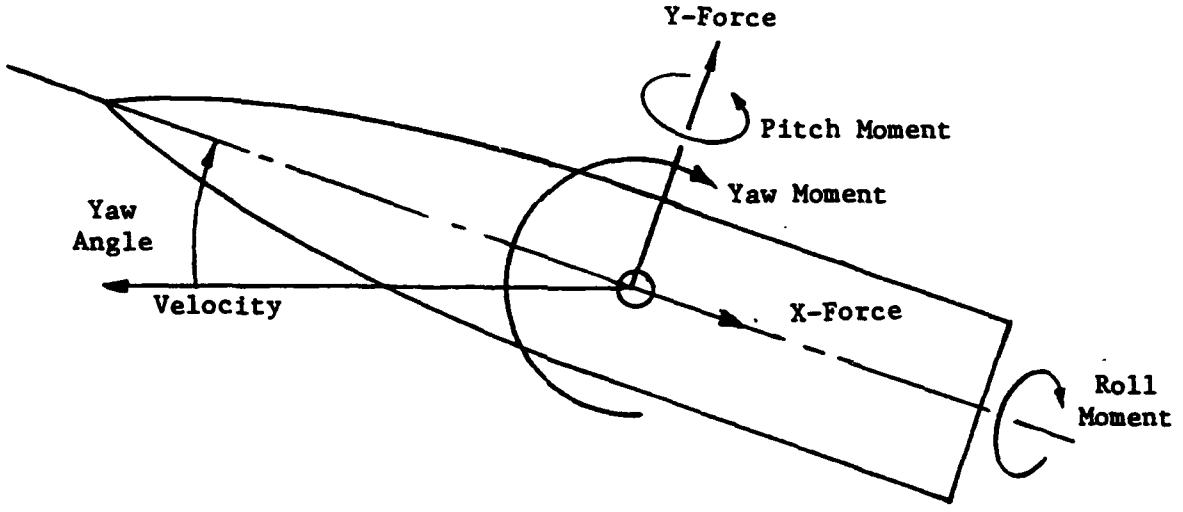
* Indicates model was close to heave stop

APPENDIX C

AXES SYSTEMS AND AIR TARES

Axes Coordinate Systems and Transformations

The model forces and moments were measured in balance axes with origin fixed in the model at a point 22.5 inches forward of the transom and 4.15 inches above the keel. The balance axes system rotates with the model in yaw and remains parallel to the water surface, with the z-axis vertical. This system is illustrated in Sketch C1 where the positive sense of the forces and moments is indicated. The hydrodynamic forces and moments acting on the model that are measured in balance axes are denoted by suffix "m". The vertical force, Z_m, is positive upward.

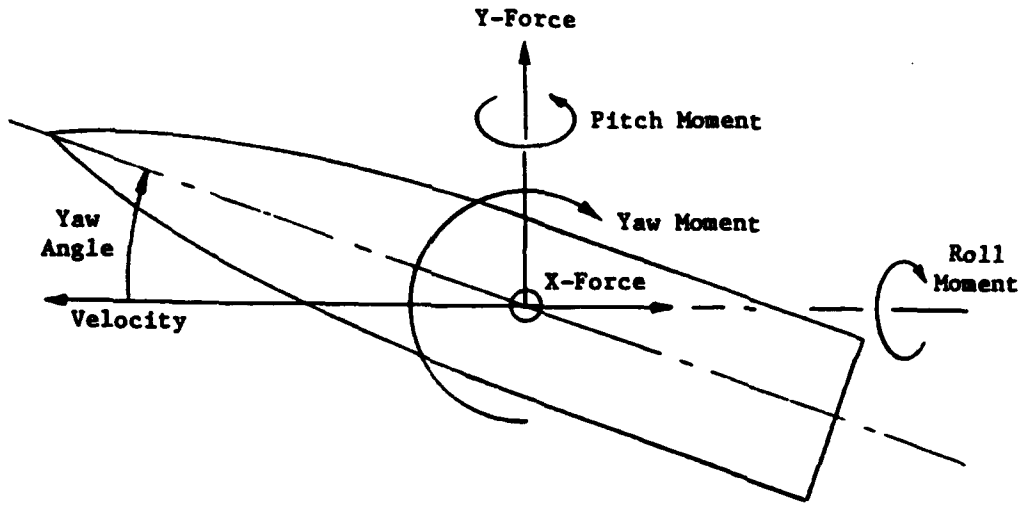


Sketch C1 - Measurement Axes

- ϕ roll angle, positive starboard-side down
- θ trim angle, positive bow up
- ψ yaw angle, positive bow to starboard
- X_m longitudinal force, positive aft
- Y_m side force, positive to starboard
- Z_m vertical force, positive upward
- K_m roll moment, positive starboard-side down
- M_m pitch moment, positive bow up
- N_m yaw moment, positive bow to starboard

Transformation to Wind Axes

The "raw" data is reported in a wind axes with the same origin fixed in the model. The wind axes system is also oriented parallel to the water surface, however the x-axis is parallel to the resultant velocity vector and does not yaw with the model. The forces and moments in the wind axes system have the same positive senses as in the balance axes. The wind axes system is shown in Sketch C2:



Sketch C2 - Wind Axes

The forces and moments in wind axes are denoted by suffix "w". The transformation equations from balance axes to wind axes are given below:

$$X_w = X_m \cos\psi + Y_m \sin\psi \quad \text{(C.1}$$

$$Y_w = Y_m \cos\psi - X_m \sin\psi \quad \text{(C.2}$$

$$Z_w = Z_m = \text{model displacement} \quad \text{(C.3}$$

$$K_w = K_m \cos\psi - M_m \sin\psi \quad \text{(C.4}$$

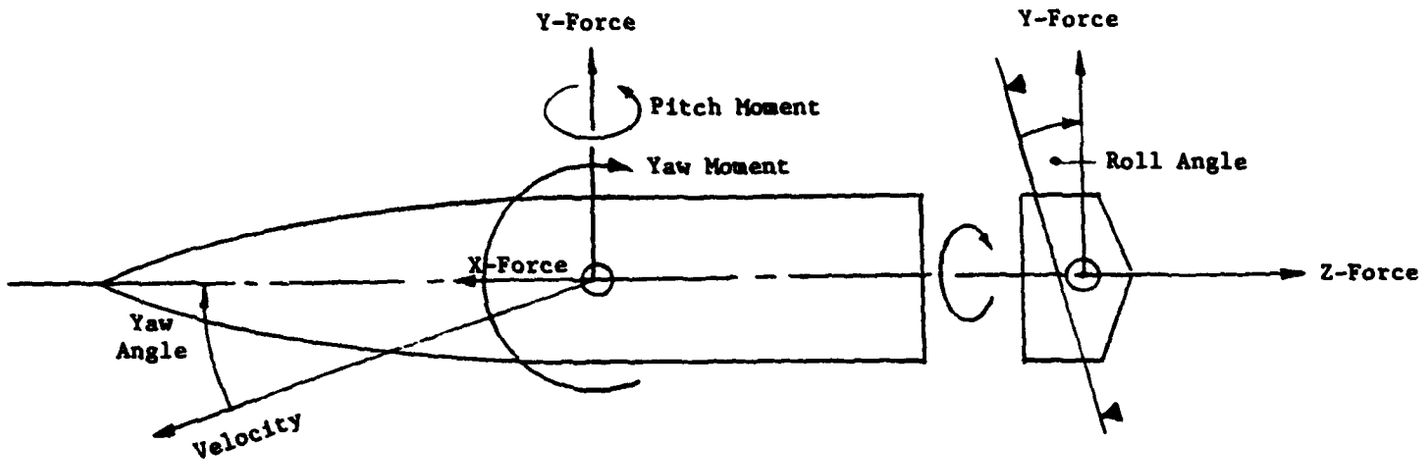
$$M_w = M_m \cos\psi + K_m \sin\psi \quad \text{(C.5}$$

$$N_w = N_m \quad \text{(C.6}$$

Transformation to Body Axes at the Tow Point

The body axes system is a rational right-handed system fixed in the boat with the same origin as the wind axes. This axes system moves with the model in roll, pitch, and yaw. Sketch C3 indicates the positive sense of the

forces and moments. While the sense of the moments has not changed, it may be noted that now the axial force is positive forward and the normal force is positive from the deck towards the keel.



Sketch C3 - Body Axes

A preliminary transformation is made to turn the wind axes system into a rational set by reversing the signs of X_w and Z_w:

$$X_r = - X_w \qquad \text{(C.7}$$

$$Z_r = - Z_w \qquad \text{(C.8}$$

The forces and moments in body axes are denoted by suffix "b":

$$X_b = X_r \cos\theta\cos\psi + Y_w \cos\theta\sin\psi - Z_r \sin\theta \qquad \text{(C.9}$$

$$Y_b = X_r (\sin\phi\sin\theta\cos\psi - \cos\phi\sin\psi) + Y_w (\sin\phi\sin\theta\sin\psi + \cos\phi\cos\psi) + Z_r \sin\phi\cos\theta \qquad \text{(C.10}$$

$$Z_b = X_r (\cos\phi\sin\theta\cos\psi + \sin\phi\sin\psi) + Y_w (\cos\phi\sin\theta\sin\psi - \sin\phi\cos\psi) + Z_r \cos\phi\cos\theta \qquad \text{(C.11}$$

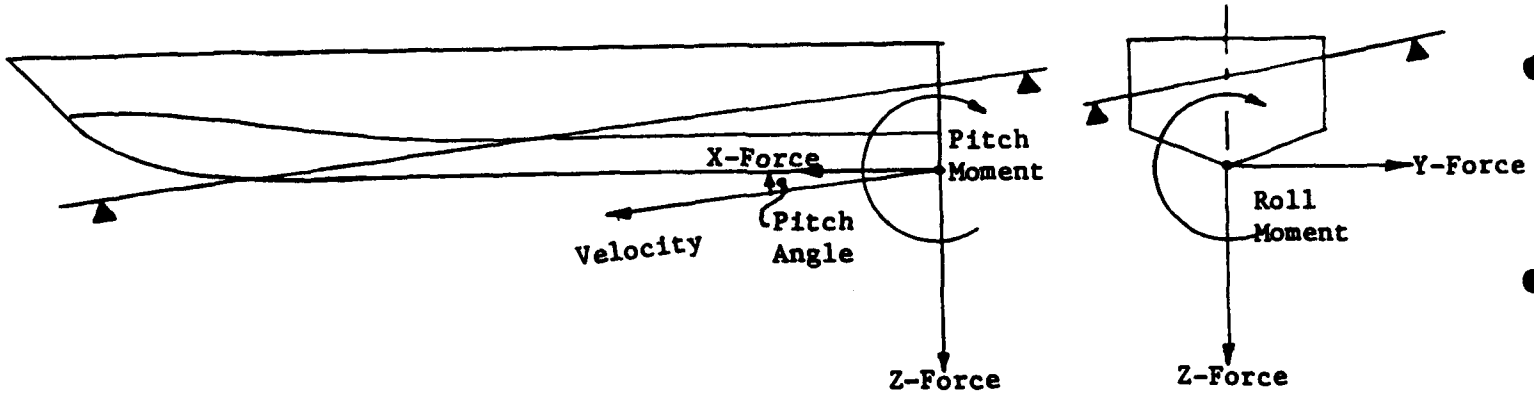
$$K_b = K_w \cos\theta\cos\psi + M_w \cos\theta\sin\psi - N_r \sin\theta \qquad \text{(C.12}$$

$$M_b = K_w (\sin\phi\sin\theta\cos\psi - \cos\phi\sin\psi) + M_w (\cos\phi\sin\theta\sin\psi - \sin\phi\cos\psi) + N_w \cos\phi\cos\theta \qquad \text{(C.13}$$

$$N_b = K_w (\cos\phi\sin\theta\cos\psi + \sin\phi\sin\psi) + M_w (\cos\phi\sin\theta\sin\psi - \sin\phi\cos\psi) + N_w \cos\phi\cos\theta \qquad \text{(C.14}$$

Translation of Body Axes from Tow Point to New Origin

The final step needed is to translate the origin of the body axes system from the tow point to the keel at transom. This system is illustrated in Sketch C4



Sketch C4 - Body Axes at Keel at Transom

The forces and moments in the translated body axes system are denoted by suffix "bt":

$$X_{bt} = X_b \qquad \text{(C.15}$$

$$Y_{bt} = Y_b \qquad \text{(C.16}$$

$$Z_{bt} = Z_b \qquad \text{(C.17}$$

$$K_{bt} = K_b + z_t Y_b - y_t Z_b \qquad \text{(C.18}$$

$$M_{bt} = M_b - z_t X_b + x_t Z_b \qquad \text{(C.19}$$

$$N_{bt} = N_b + y_t X_b - x_t Y_b \qquad \text{(C.20}$$

where (x_t, y_t, z_t) is the position of the new origin in the original reference system. The new origin, defined by the keel at transom, is 1.875 ft aft of the tow point, and 0.3458 ft below it. Both origins lie in the plane of symmetry. Therefore the position of the new origin is given by:

$$(x_t, y_t, z_t) = (-1.875, 0, 0.3458) \qquad \text{(C.20}$$

Air Tares

The forces and moments measured with the model in the air were transferred to wind axes and plotted. It was confirmed that these data varied as the square of the speed. Accordingly the results were adjusted to a speed of 19.64 fps by multiplying them by the square of the ratio (19.64/V), where V was the test speed. From plots of this expanded data it was determined that the air tares varied with yaw angle and were essentially independent of trim and roll. Regression analyses of the expanded data resulted in the following expressions for the air tares at 19.64 fps:

Air Tare Equations for the 10 degree Deadrise Model

16 ft Radius	32 ft Radius	Straight Course
$X = -0.02 + 0.0067\|\psi\|$	$X = 0.32 + 0.0072\ \psi$	$X = 0.27$
$Y = -24.50 + 0.0276\ \psi$	$Y = -11.59 + 0.0123\ \psi$	$Y = 0.0 + 0.0171\ \psi$
$K = -3.97 + 0.0208\ \psi$	$K = -1.93 - 0.0014\ \psi$	$K = 0.16$
$M = -0.30 + 0.0009\ \psi$	$M = 0.01 + 0.0101\ \psi$	$M = 0.0$
$N = 0.10 + 0.0049\ \psi$	$N = 0.06 + 0.0111\ \psi$	$N = -0.04 + 0.0161\ \psi$

Air Tare Equations for the 20 degree Deadrise Model

$X = 0.03 + 0.0121\|\psi\|$	$X = 0.27 + 0.0051\ \psi$	$X = 0.27$
$Y = -24.12 + 0.0335\ \psi$	$Y = -11.46 + 0.0205\ \psi$	$Y = 0.0 + 0.0171\ \psi$
$K = -4.10 + 0.0218\ \psi$	$K = -1.81 + 0.0007\ \psi$	$K = 0.16$
$M = -0.22 - 0.0112\ \psi$	$M = 0.02 + 0.0124\ \psi$	$M = 0.0$
$N = 0.02 + 0.0076\ \psi$	$N = 0.07 + 0.0099\ \psi$	$N = -0.04 + 0.0161\psi$

As a check, the forces and moments calculated from these equations were subtracted from the air tares and the resulting residuals examined. The residuals were sufficiently small to show that a satisfactory fit had been obtained. The averages of the residuals, and their standard deviations, are shown in the following table at each condition:

Air Tare Residuals for the 10 degree Deadrise Model

	16 ft Radius		32 ft Radius		Straight Course	
	Average	Standard deviation	Average	Standard deviation	Average	Standard deviation
X	0.026	0.063	-0.002	0.041	0.011	0.031
Y	0.001	0.060	0.018	0.090	0.005	0.017
K	0.015	0.091	0.009	0.030	0.030	0.079
M	0.051	0.069	-0.006	0.037	-0.013	0.037
N	-0.007	0.060	-0.013	0.042	0.004	0.013

Air Tare Residuals for the 20 degree Deadrise Model

	16 ft Radius		32 ft Radius		Straight Course	
	Average	Standard deviation	Average	Standard deviation	Average	Standard deviation
X	0.000	0.072	0.004	0.025	-	-
Y	0.001	0.067	0.035	0.072	-	-
K	0.003	0.265	0.000	0.065	-	-
M	-0.005	0.114	0.002	0.026	-	-
N	-0.003	0.045	0.005	0.026	-	-

The following test condition has been selected to illustrate the removal of the air tares:

Deadrise	20 degrees
Radius	32 ft
Speed, Cv	3
Trim	3 degrees
Roll	10 degrees
Yaw	10 degrees

By reference to the Run Directory, Table 2.213, this condition corresponds to Run 189. The raw data are given in Table A1.213.2, and Run 189 is shown to have a speed of 14.77 fps, hence the 19.64 fps air tares must be multiplied by a factor of 0.566. The air tares given by the Air Tare

Equations are multiplied by the factor of 0.566 and subtracted from the raw data. The data without air tares are given in Table 5.213.2. The air tare correction process for this one specific run is illustrated by the following table:

Raw Data with air tares from Table A1.213.2 Run 189	Air Tare corrections from A.T. Equations multiplied by 0.566	Wind Axes Data without air tares from Table 11.213.2 Run 189
X = 2.98	0.18	2.80
Y = -1.73	-6.36	4.63
K = 0.17	-1.02	1.19
M = -5.14	0.08	-5.22
N = -2.94	0.10	-3.04