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LEVEL II

PRELIMINARY DESIGN STUDY OF A TAIL ROTOR BLADE JETTISON CONCEPT

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APPLIED TECHNOLOGY LABORATORY POSITION STATEMENT

This report provides the results of a preliminary concept study which indicates that a tail rotor blade jettison system can be developed for four-bladed tail rotor systems, which will allow the controlled jettison of a damaged blade and its opposing blade and allow continued flight with the remaining two blades. A prototype system was developed that evaluated system performance characteristics throughout the maximum/minimum tail rotor speeds anticipated and determined the resultant effects on structural integrity, tail rotor stability, and handling qualities using both analytical and simulation modeling techniques. The analyses and evaluation tests conducted showed that the prototype blade jettison system developed meets the performance requirements of the UH-60A helicopter.

Results of this contractual effort are still preliminary, and additional effort is required to improve and validate the survivable characteristics of the design.

Mr. Harold W. Holland of the Aeronautical Systems Division served as technical monitor for this effort.

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

Loss of a significant portion of a tail rotor blade will cause severe imbalance of the tail rotor that can lead to secondary damage to the helicopter and possible injury to the occupants. A system that detects such blade loss and removes the imbalance by jettison of the residual portion of the damaged blade and its opposing blade can overcome the rotor imbalance and allow continued flight. Using the performance characteristics of the UH-60A BLACK HAWK helicopter, a prototype system

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was developed and its performance evaluated to determine the capability of the system to jettison rotor blades in a manner that would prevent secondary damage. Additionally, analyses were conducted to determine the dynamic stability characteristics of the UH-60A tail rotor in a two-bladed configuration and the ability of the helicopter to accommodate the loads developed during transition from four to two blades. Residual helicopter performance and the capability of the helicopter to be retrimmed following jettison of two opposing tail rotor blades was analyzed using the GENERAL HELICOPTER FLIGHT DYNAMIC MODEL programmed on a PDP-10 Hybrid Computer. Handling qualities to be expected following the loss of opposing tail rotor blades were examined by integrating the computer model and two-blade subroutine with a flight simulator. The analyses and evaluation tests conducted show that the prototype blade jettison system developed meets the performance requirements of the UH-60A helicopter.

TABLE OF CONTENTS

TABLE OF CONTENTS (continued)

LIST OF ILLUSTRATIONS

LIST OF ILLUSTRATIONS (continued)

LIST OF ILLUSTRATIONS (continued)

LIST OF TABLES

INTRODUCTION

Loss of a significant portion of a tail rotor blade will result in severe tail rotor imbalance that can lead to secondary damage to the helicopter and/or injury to the occupants. Continued use of the helicopter in hostile environments is anticipated, and with this the possibility of exposure of the helicopter to increased ballistic threat levels beyond the normally survivable 7.62mm projectile. The 14.5mm, 23mm, 30mm, and 37mm high explosive incendiary rounds are capable of inflicting such severe damage that if a tail rotor blade sustains a hit, blade loss can be expected to occur. The development of tail rotor blades that can tolerate the magnitude of damage that these rounds can cause must therefore be substantially larger and will, in all likelihood, have an undesirable increase in centrifugal force resulting in significant weight penalties in the rotor hub, drive shaft, and supporting structure as well as increasing power requirements. This escalation of component size is particularly unsuitable for the small, reconnaissance-type helicopters.

As an alternative to the development of ballistically tolerant blades to prevent rotor imbalance of four-bladed tail rotor systems, the imbalance forces caused by the loss of a part or all of a blade can be overcome by the controlled jettison of the residual portion of the damaged blade and its opposing blade, to allow continued flight with the remaining two blades. The intent of this effort was to develop a working prototype system to evaluate system performance characteristics throughout the maximum/minimum tail rotor speeds anticipated and to determine the resultant effects on structural integrity, tail rotor stability, and handling qualities using both analytical and simulation modeling techniques.

The prototype system relates closely to a concept defined in a study program previously conducted by Sikorsky Aircraft under U. S. Army Contract DAAD05-73-C-0523, where the feasibility of applying the opposing blade jettison concept to the main rotor system of a four-bladed helicopter was determined. The results of the program are included in a report (Reference 1) distributed by USA Ballistic Research Laboratories, Aberdeen Proving Ground, Maryland. In accordance with the requirements of that program, a conceptual design was established for damage detection and controlled rotor blade jettison that is the basis for the prototype design of this present contract. Although the basic concept is essentially the same, many circuitry improvements and refinements have been incorporated.

The prototype development and associated analyses were based on the physical and performance characteristics of the UH-60A BLACK HAWK helicopter (Figure 1), a candidate for initial application of the system. Additionally, complete performance information and simulation programs were readily available for this effort in accordance with the contract. The system design lends itself to kit-type installation, and the electrical portion of the system can be modified for other four-bladed helicopters with only minor changes. Pyro-

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[1] J. W. Johnson, R. A. Selleck, Rotor Balance Restoration Study, Sikorsky Aircraft, U. S. Army Ballistic Research Laboratories Contract Report #197, December, 1974.

technic blade severing devices, damage detectors, and supporting hardware must be sized for the particular helicopter application.

During the system design portion of this program, emphasis was placed on maximizing system reliability. To this end, the system employs state-of-the-art components, fully encapsulated assemblies, solid-state design, no moving parts in contact, and the latest design techniques and safeguards to prevent inadvertent system initiation. The capability of the prototype system developed under this contract to effect blade jettison within the jettison window established for the UH-60A helicopter was evaluated by installing the system in an Engineering rotary test stand, capable of incremental rotational speed adjustment from well below to well above the UH-60A design rotor speeds.

Concurrent with prototype system development, the dynamic stability characteristics and handling qualities that can be anticipated for the UH-60A helicopter with two opposing tail rotor blades jettisoned were determined. The dynamic analysis included an investigation of the two-bladed stability, vibration, and rotor hub load levels for speeds to 150 knots. Additionally, the ability of the UH-60A helicopter to structurally accommodate the centrifugal loads from loss of a full tail rotor blade until rebalance by opposing blade jettison was examined. The handling qualities were examined through the use of the UH-60A version of General Helicopter Simulation Program and blade transition subroutines to determine trim characteristics. The pilot work load was determined by integration of the Simulation Program with a flight simulator to obtain qualitative pilot-in-the-loop assessment of flight attitude recoverability following transition from the normal four-bladed mode to the emergency two-bladed mode.

Figure 1. UH-60A BLACK HAWK Helicopter Baseline

PART I CONCEPT ANALYSIS

Loss of a significant portion of tail rotor blade is sensed by the interruption of detector circuits located along the leading and trailing edges of the blade spar. Interruption of both of the detector circuits results in initiation of pyrotechnic linear-shaped charges (LSC) located adjacent to the rotor hub that sever both the residual portion of the damaged blade and its opposing blade. The specific point of rotor rotation at which the separation occurs is controlled to prevent secondary damage to the main rotor blades or the vehicle proper.

Successful operation of the system on the UH-60A helicopter requires the analysis of the effects of the system on the aircraft and its occupants both during and after blade jettison has occurred. It is necessary to define an available window for blade jettison that will avoid secondary damage and to determine the residual performance capability of the helicopter following the jettison of the two rotor blades. Included in the analyses is a determination of the resultant vibration levels and loads to be expected and a discussion of the ability of the UH-60A to structurally accommodate the reaction loads during the period of rotor imbalance. This work is presented in the following subtasks.

BLADE SEPARATION WINDOW

Following loss of a portion of all of the damaged rotor blade, rebalance of the rotor can be effected by either simultaneous jettison of the residual portion of the damaged blade and its opposing blade or by sequential jettison of the blades. The latter, sequential, approach is selected for the UH-60A for the following reasons: The available window for simultaneous blade jettison is established by the need for adequate clearance with the main rotor blades for a forward jettisoned blade and the horizontal stabilator for an aftward jettisoned blade. The available window must accommodate the variances in the point of blade jettison due to the variations of component function times and the range of rotor speeds considered for the design of the system. Of greater importance, however, is the potential hazard of a vertically jettisoned tail rotor blade to the helicopter in the event of system operation in a hover, or near hover, flight mode. Selection of a sequential blade jettison capability overcomes both of these difficulties. Figure 2 shows the window established for use in the design of the UH-60A blade jettison system.

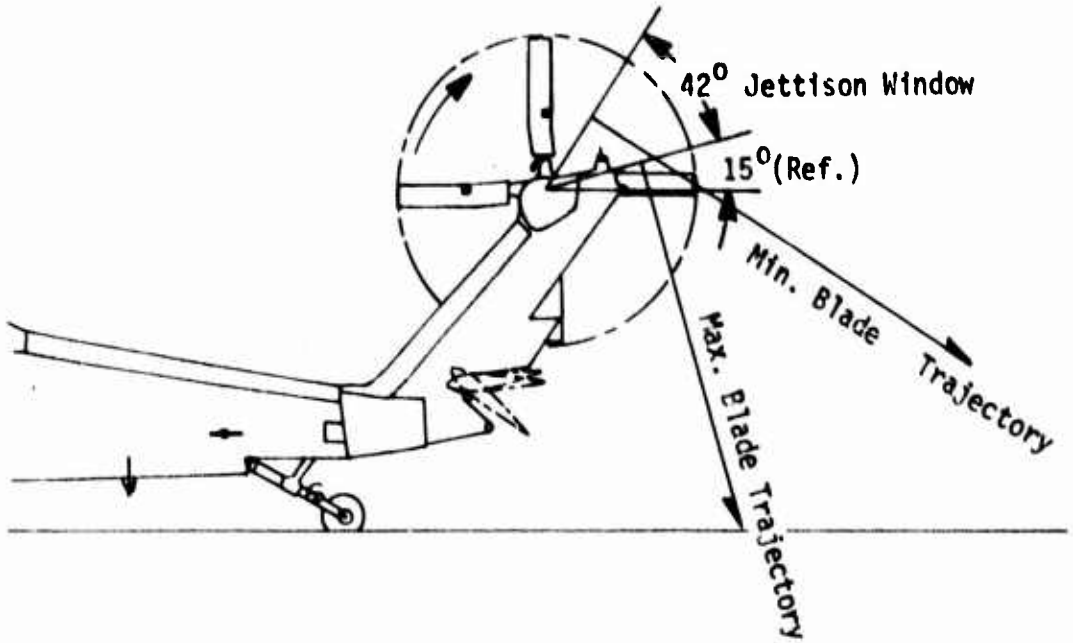

Figure 2. Acceptable Window for Sequential Rotor Blade Jettison

Although the sequential jettison of blades would normally allow a much greater window than that shown in Figure 2, the upper limit has been constrained to minimize any potential hazard that jettisoned blades might present to other aircraft that may be flying formation with the damaged aircraft. Further, the lower window limit is less than that available to reduce the possibility of secondary damage to the remaining rotor blades by a rebounding blade if the system is operated while the aircraft is on, or near the ground. The 42-degree window has been verified by analysis to be adequate for rotor rotations from 70% N_R (830 RPM) to 150% N_R (1877 RPM). Additionally, the 42-degree window will accommodate a worst case stack-up of component function times at the 150% N_R rotor speed.

TWO BLADE STABILITY, VIBRATION, AND LOAD LEVEL

Analytical investigations were performed to evaluate the dynamic stability characteristics of the two-bladed UH-60A cross beam tail rotor, and the vibration and load levels in the aircraft in the forward flight regime up to 150 knots. The analytical results indicate that the two-bladed rotor system mounted on the flexible pylon is stable up to the maximum speed investigated of 150 knots.

A normal modes rotor aeroelastic analysis was employed to calculate the steady and 2 and 4/rev vibratory loads at the hub originating from the two-bladed rotor system. These loads were then used in conjunction with the tail rotor pylon modes to evaluate the vibration levels experienced at the hub and gearbox. It was found that the vibration and load levels

increase with forward speed. At 150 knots the highest speed investigated, the maximum 2/rev vibration levels result in a roll moment at the gearbox-pylon attachment of 20 percent of the ultimate value. This level is acceptable to maintain flight and to land within the required one-half hour design criterion established for the UH-60A helicopter.

DYNAMIC STABILITY ANALYSIS RESULTS

The dynamic stability characteristics of the two-bladed UH-60A tail rotor system were investigated with a Floquet analysis. The analysis uses blade flapping and lead-lag degrees-of-freedom and up to ten airframe modes. The stiffness, damping, and mass matrices are evaluated for all the blades from the initial conditions specified for blade flap, lead-lag, and pitch motions at various azimuthal positions and integrated for one rotor revolution. The eigenvalues are then calculated and the system stability determined from an inspection of the real part of the eigenvalues. The UH-60A tail rotor blade characteristics and the pylon modes used in the Floquet analysis are summarized in Tables 1 and 2 respectively. The axes sign convention employed throughout this study is shown in Figure 3. The analysis also includes the effect of rotor inflow, blade pitch and twist, and linear aerodynamic characteristics.

Table 1. UH-60A Tail Rotor Blade Characteristics

Parameter	Units	Quantity
Radius	ft	5.5
Radial Location Where Blade Bending Starts	ft	0.3333
Outboard Blade Chord	ft	0.8125
Number of Blades	-	2.0
Rotor Speed (100% N_R)	rpm	1215.0
Weight of One Blade	lbs	19.0
Blade First Inertia Moment	slug-ft	1.2332
Blade Second Inertia Moment	slug-ft^2	4.1266
Structural Damping	percent	0.50
Equivalent Linear Twist (from center of rotation to blade tip)	deg	- 20.0
Outboard Blade Airfoil Section	-	SC-1095
Tip Loss Factor	-	0.97
First Flatwise Frequency/Rotor Speed	-	1.152
First Edgewise Frequency/Rotor Speed	-	1.696
Air Density	slug/ft^3	0.002175
Speed of Sound	ft/sec	1102.0
Pitch-flap Coupling, δ_3	deg	35.0
Airfoil Lift Curve Slope	-	6.30
Airfoil Drag Coefficient	-	0.007

Table 2. Tail Rotor Pylon Modes Without Axial Modal Components

Mode No.	M_G lb sec^2/in	ω_G rad/sec	ζ_G %	ϕ_x in/in	ϕ_y in/in	$\phi_{\theta x}$ 1/in	$\phi_{\theta y}$ 1/in
1.	1.3146	41.15	4.5	1.0	.2105	0.	-.017
2.	1.1255	198.13	3.6	-.285	1.0	-.095	-.068
3.	9.9661	395.42	1.8	1.0	.7714	0.	.0

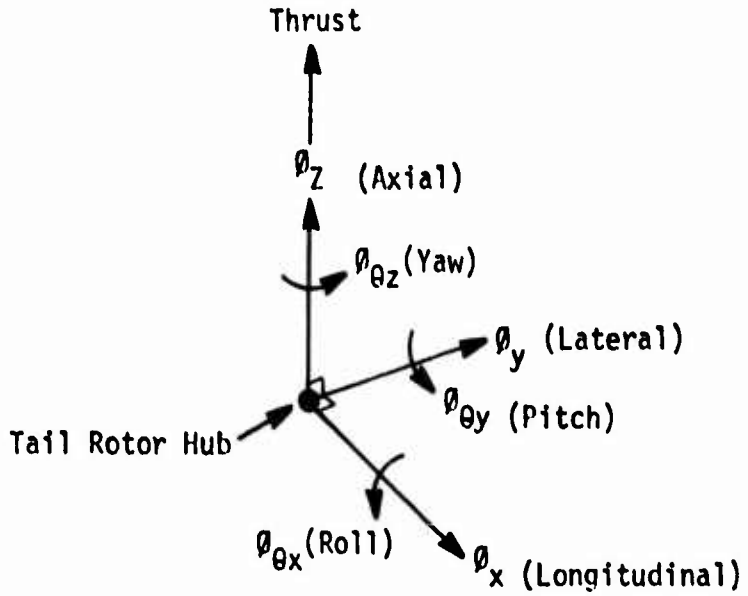

Figure 3. Axes Sign Convention

The results from the Floquet analysis are presented in Figures 4 through 6, for a range in forward speeds from zero to 150 knots. From Figure 4 it is seen that all rotating system (blade) and fixed system (tail pylon) modes are stable in the speed range investigated. The least stable modes are the blade lead-lag mode and the third fixed system mode, both showing a damping level of about one-half percent. The effect of forward speed is not significant except near 150 knots when two of the fixed system modes indicate a degradation in damping level. It is noted that the response of the two blades is not identical due to the presence of the fixed system modes and their interaction with each blade. Exclusion of

the fixed system modes from the analysis simulates a completely rigid hub.

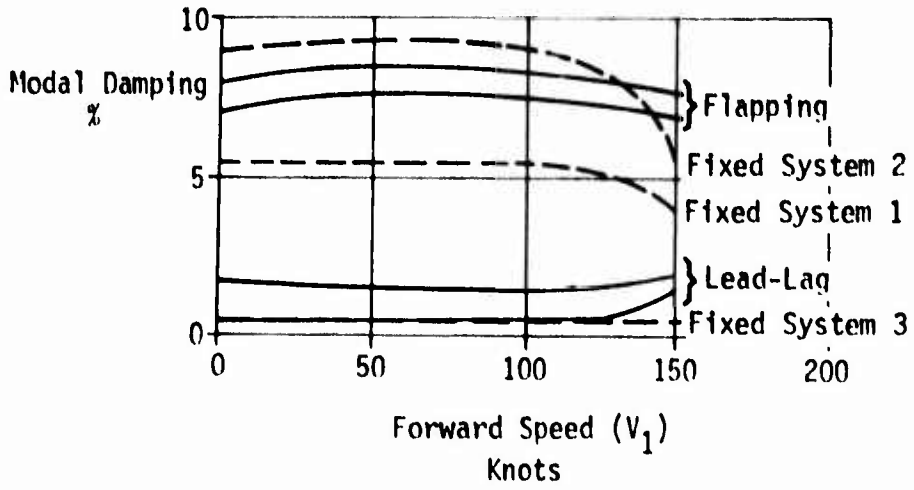

Figure 4. Modal Damping Variation with Forward Speed Including Tail Rotor Hub Flexibility

The damping associated with the blade flapping and lead-lag motions without tail rotor hub flexibility is presented in Figure 5. The results indicate that the blade lead-lag damping is lowered slightly by the flexibility of the hub while the flapping mode shows very little change in stability. Each blade now behaves exactly the same.

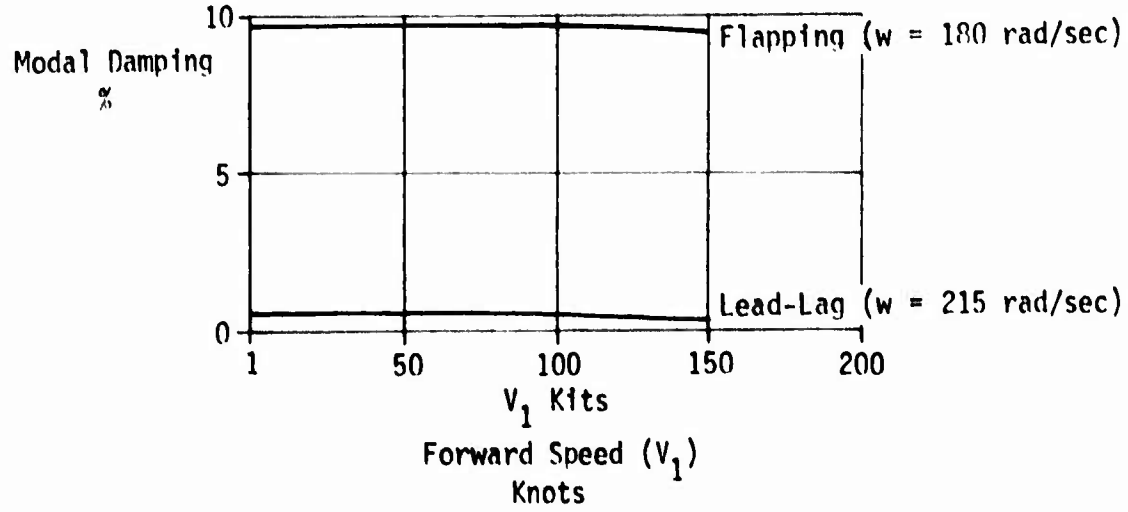

Figure 5. Modal Damping Variation with Forward Speed without Tail Rotor Hub Flexibility

The frequency of the blade and fixed system modes with forward speed is illustrated in Figure 6. This figure shows that the modal frequency is not influenced significantly by forward speed. The blade flapping mode and one of the fixed system modes have frequencies close to each other, especially at 150 knots. The coupling between these two modes results in the damping degradation seen in Figure 4. The frequencies of the blade flapping and lead-lag motions without tail rotor hub flexibility are 180 (1.42/rev) and 215 (1.69/rev) rad/sec, respectively. The increase in the blade flapping frequency over the uncoupled value of 1.152/rev given in Table 1 is due to the pitch-flap coupling of 35 degrees.

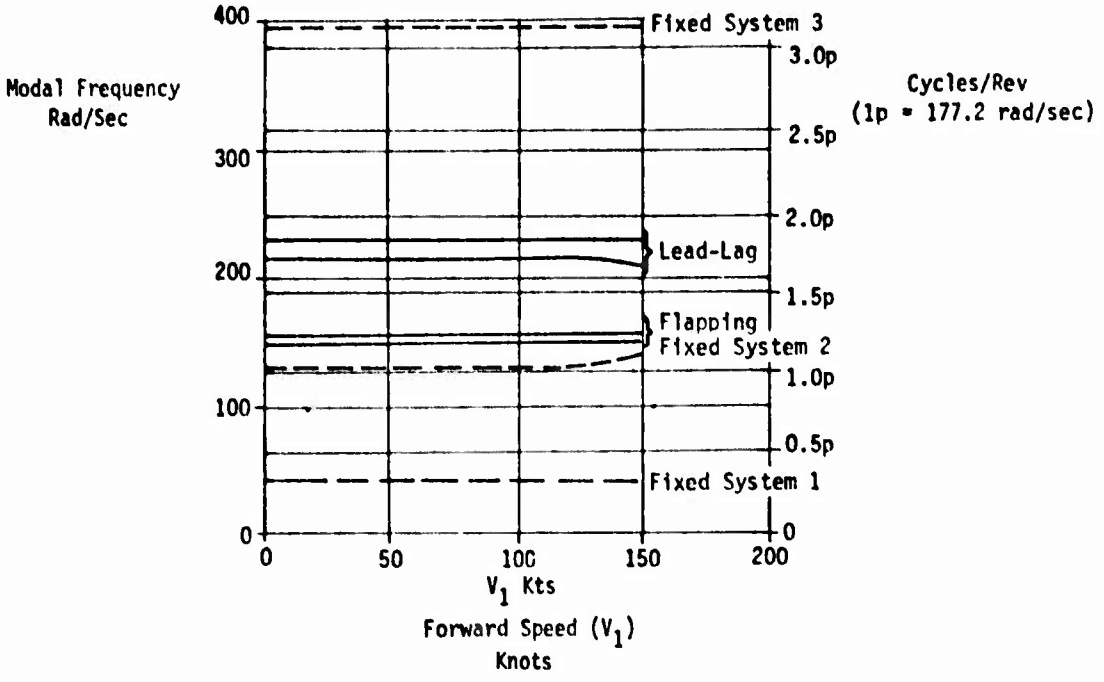

Figure 6. Modal Frequency Variation with Forward Speed Including Tail Rotor Hub Flexibility

TAIL ROTOR HUB LOADS AND VIBRATION RESULTS

The aeroelastic behavior of the two-bladed UH-60A tail rotor was investigated in hover and forward speeds up to 150 knots using the time history analysis discussed in Reference 2. The analysis describes the aeroelastic response of the rotor blade by a "normal modes" technique. Five rotor blade degrees-of-freedom (three flatwise, one edgewise, and one torsional) are employed to describe the aeroelastic characteristics

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2 Arcidiacono, P. J., Prediction of Rotor Instability at High Forward Speeds, Volume I; Sikorsky Aircraft; USAAVLABS Technical Report 68-18A, U. S. Army Aviation Materiel Laboratories, Fort Eustis, Virginia, February, 1969, AD-685860.

of the rotor system. Once the rotor flight condition is prescribed (as given by blade collective pitch input, rotor inflow, and thrust), the integration of the equations of motion proceeds around the rotor azimuth at specified intervals for a number of rotor revolutions. The displacements and velocities of all blade modes are then checked at the beginning and at the end of each complete rotor revolution. For a stable condition, this procedure usually takes up to ten rotor revolutions before the modal displacements and velocities repeat themselves within a specified tolerance for a "converged" solution. Once convergence has been reached, the rotor hub loads can be calculated both in a rotating axis system and in a fixed axis system. The hub shears and moments are then harmonically analyzed. For a two-bladed rotor, the hub loads present in the fixed axis system are the steady loads and are at frequencies that are multiples of twice the rotor speed.

The tail rotor thrust and collective pitch at the 75-percent radial location are presented as a function of forward speed in Figure 7. The thrust-pitch relation is consistent with the main rotor torque requirements for level flight operation. It should be noted that at forward speeds greater than 120 knots, the tail rotor operates increasingly in the blade stall region, resulting in degradation of rotor performance and substantial increases in rotor hub loads.

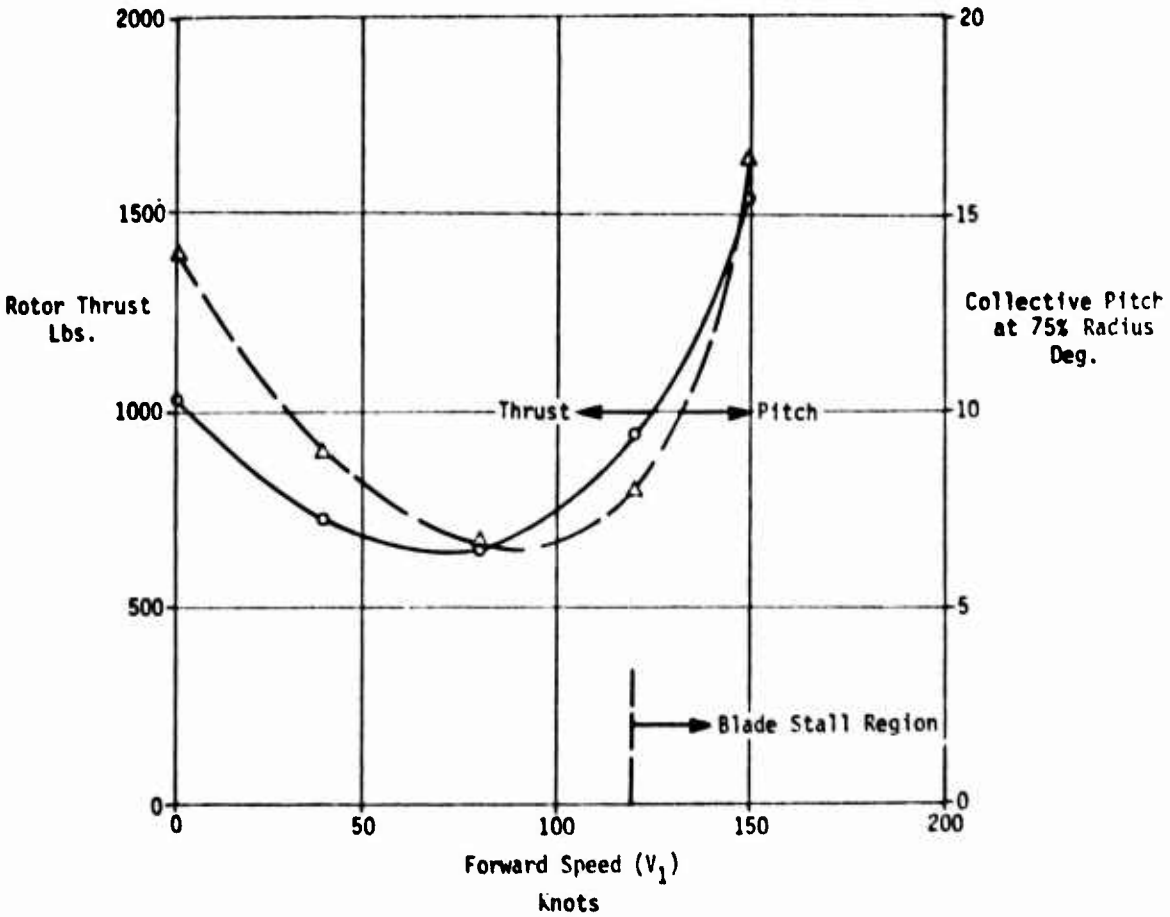


Figure 7. Tail Rotor Thrust and Collective Pitch Variations with Forward Speed

The steady and 2 and 4/rev vibratory hub shears (Figures 8, 9, and 10) and moments (Figures 11, 12, and 13) in the fixed system have been calculated for the forward speed range up to 150 knots. Higher harmonics are not presented since they are small in comparison to the 2 and 4/rev components. The positive directions of the hub shears and moments were previously illustrated in Figure 3. The results presented in Figures 8 through 13 indicate that the rotor hub loads generally increase with

forward speed. All shears and moments except the steady yaw moment increase rapidly at forward speeds greater than 120 knots as the rotor operates increasingly in the blade stall environment.

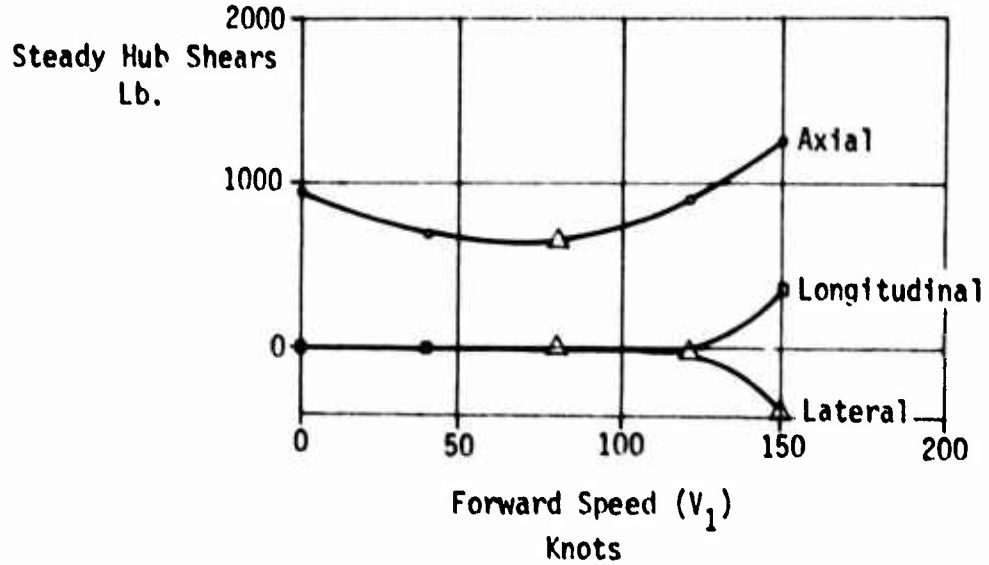


Figure 8. Tail Rotor Hub Shear Load Variations with Forward Speed (Steady Component)

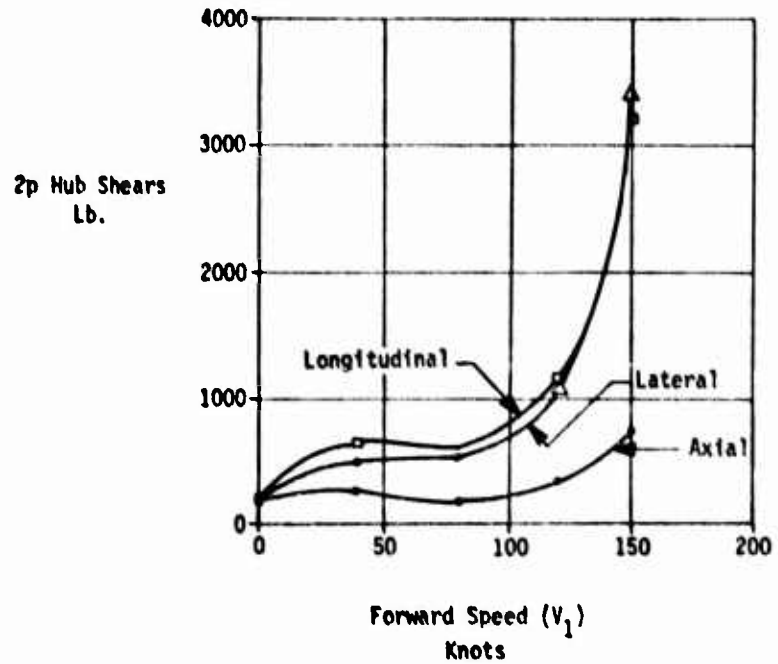


Figure 9. Tail Rotor Hub Shear Load Variations with Forward Speed (2 Cycles/Rev Component)

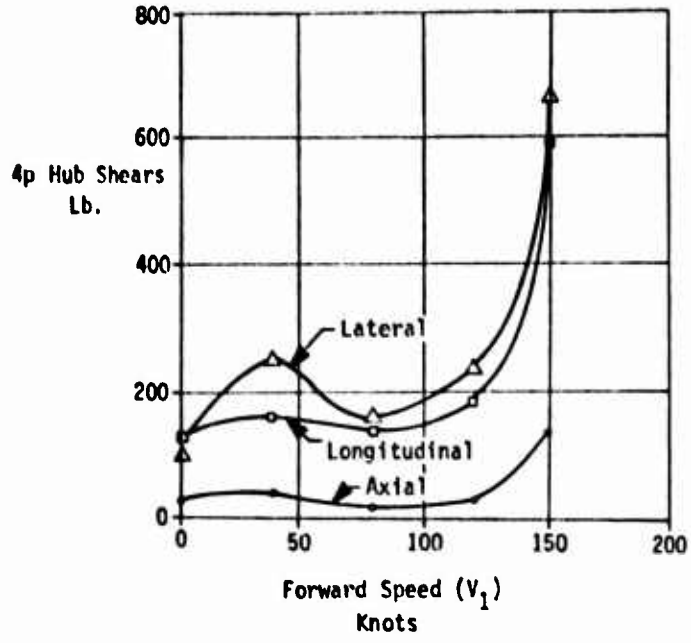


Figure 10. Tail Rotor Hub Shear Load Variations with Forward Speed (4 Cycles/Rev Component)

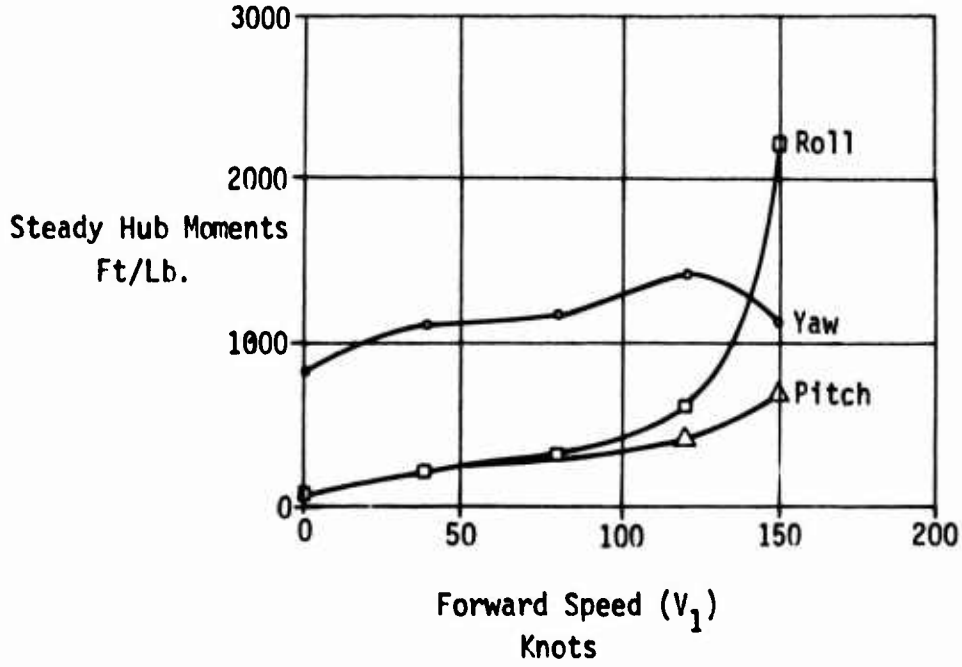


Figure 11. Tail Rotor Hub Moment Variations with Forward Speed (Steady Component)

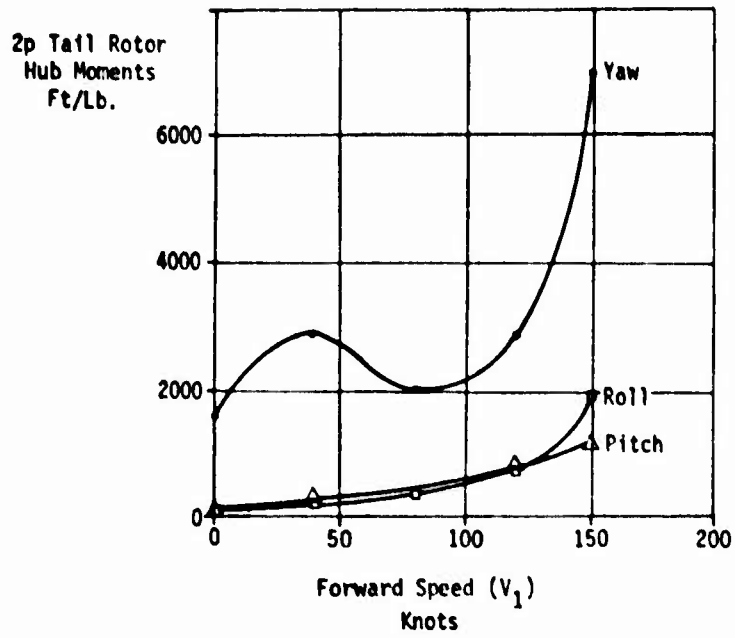


Figure 12. Tail Rotor Hub Moment Variations with Forward Speed (2 Cycles/Rev Component)

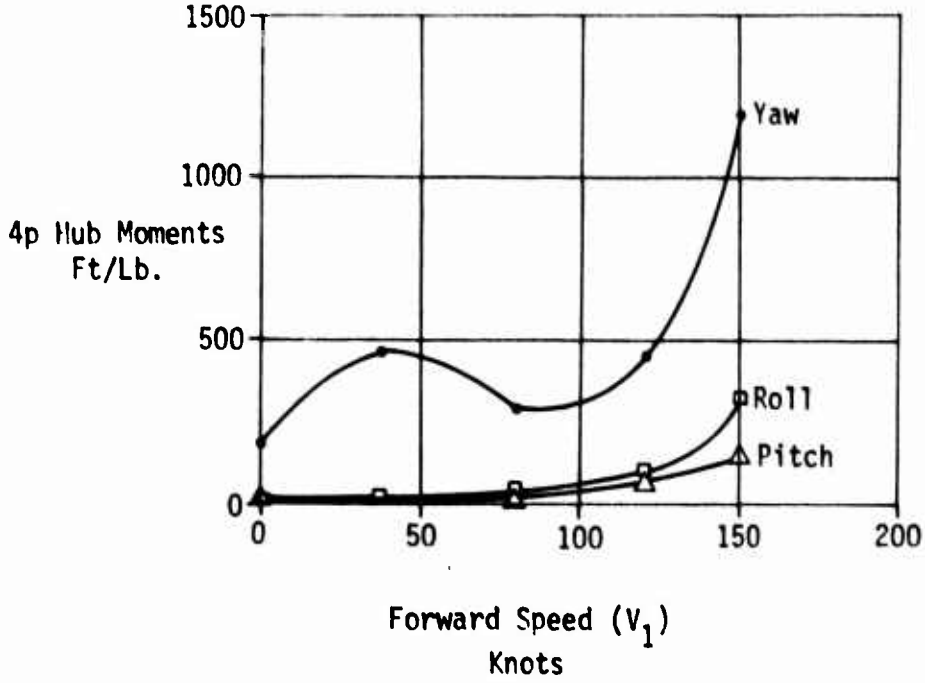


Figure 13. Tail Rotor Hub Moment Variations with Forward Speed (4 Cycles/Rev Component)

The vibratory hub loads are used in conjunction with the tail rotor pylon modes (Reference 3) presented in Table 3 to calculate the accelerations present at the tail rotor hub and gearbox.

Table 3. UH-60A Tail Rotor Pylon Modes Including Axial Modal Components

Mode No.	M_G lb sec^2/in	ω_G rad/sec	ζ_G %	ϕ_x in/in	ϕ_y in/in	ϕ_z in/in	$\phi_{\theta x}$ 1/in	$\phi_{\theta y}$ 1/in
1.	0.400	38.32	4.5	.264	.056	1.0	0.	-.004
2.	1.438	182.20	3.6	-.285	1.0	-.519	-.095	-.068
3.	11.980	389.53	1.8	1.167	0.9	1.0	0.	0.

Three linear and two rotational accelerations are computed and plotted in Figures 14 and 15 for harmonic loads of two and four times the rotor speed respectively. The accelerations generally increase with forward speed as expected from the behavior exhibited by the hub shears and moments from Figures 8 through 13. Significant increases in hub and gearbox accelerations are shown for forward speeds greater than 120 knots. It is noted that the 2/rev accelerations are much higher than the 4/rev accelerations.

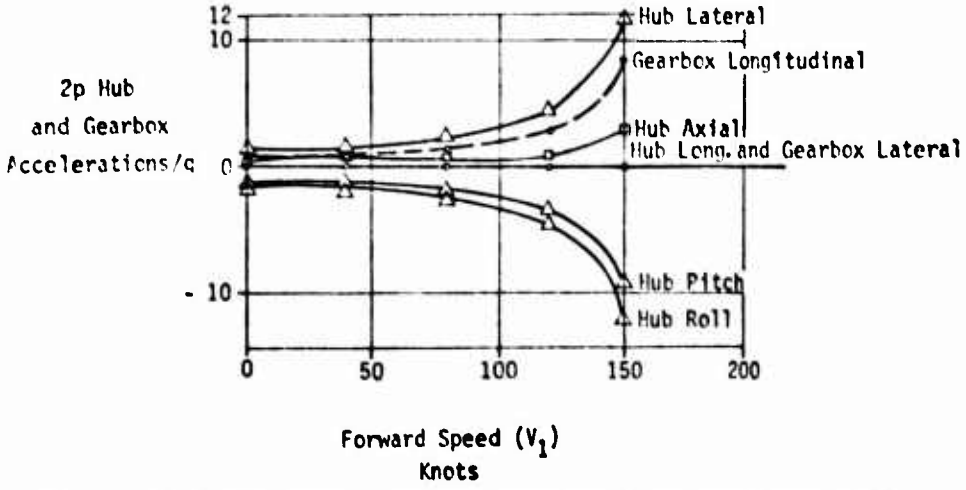


Figure 14. Tail Rotor Hub and Gearbox Accelerations with Forward Speed (2 Cycles/Rev Component)

3 UTTAS Aeroelastic Stability Analysis, Sikorsky Aircraft, SER-70545, Revision 2, May 1978.

(b) Cycles/Rev Component

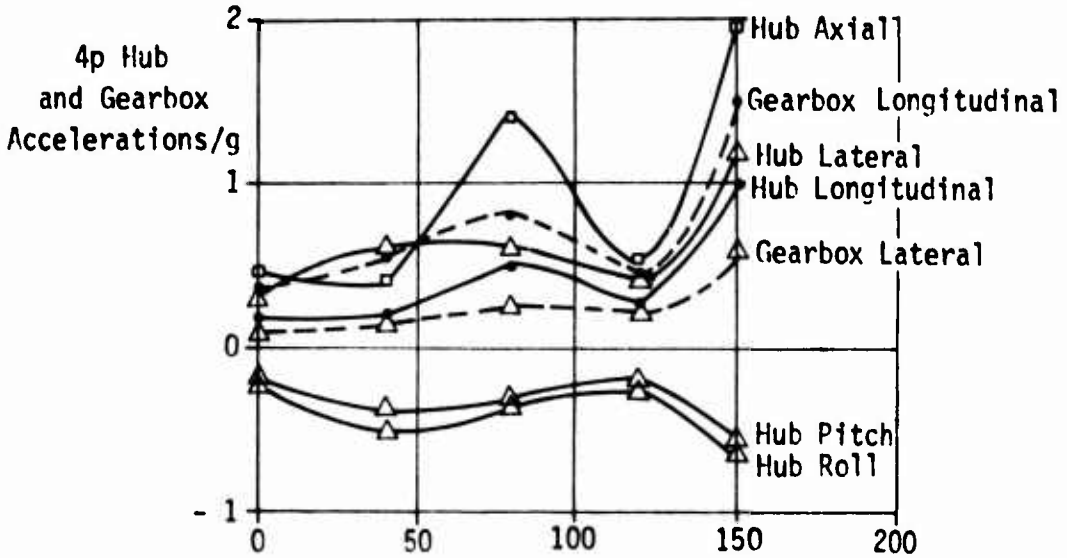


Figure 15. Tail Rotor Hub and Gearbox Accelerations with Forward Speed (4 Cycles/Rev Component)

The accelerations from Figures 14 and 15 are used to calculate the roll moment experienced at the gearbox-pylon attachment, which is a critical stress region. The steady and 2 and 4/rev roll moments at the gearbox-pylon attachment are shown in Figure 16. The highest loaded conditions occur at the maximum forward speed investigated, 150 knots. The 2/rev vibratory response is much greater than the 4/rev response. When added to the steady roll moment, the total 2/rev moment at 150 knots is approximately 20 percent of the ultimate roll moment value of 13,750 foot-pounds. This load level is acceptable to maintain a level flight operation and to conduct a safe landing to meet the required one-half hour criterion.

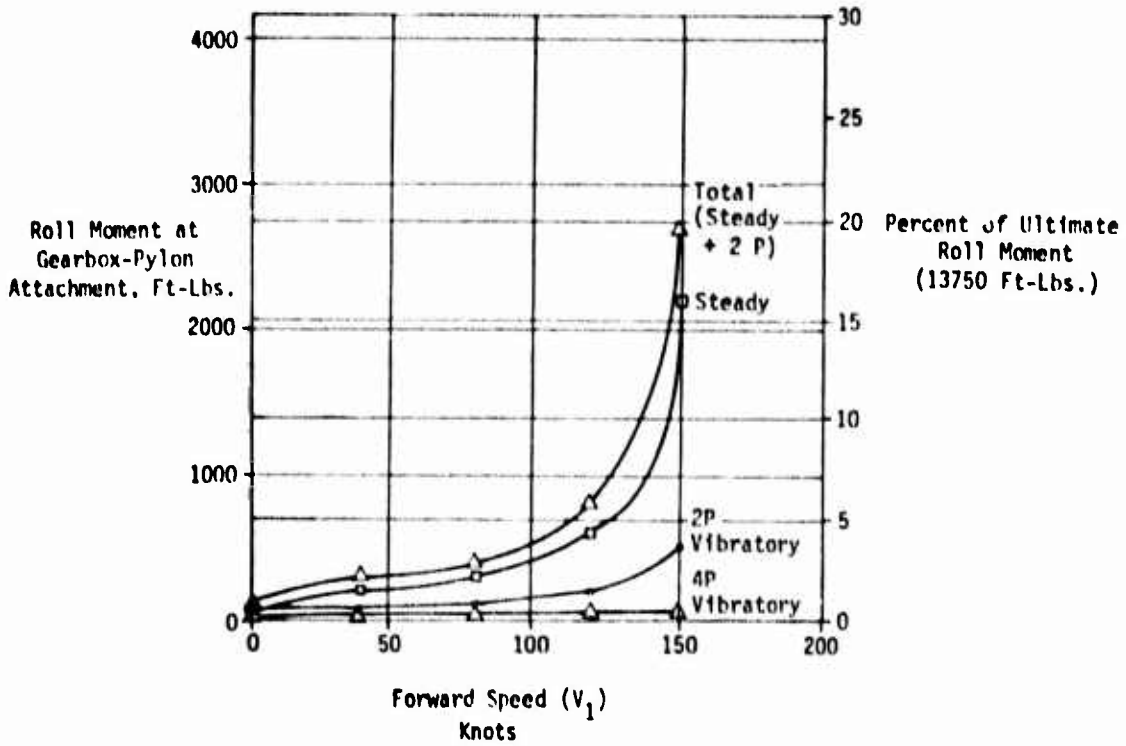
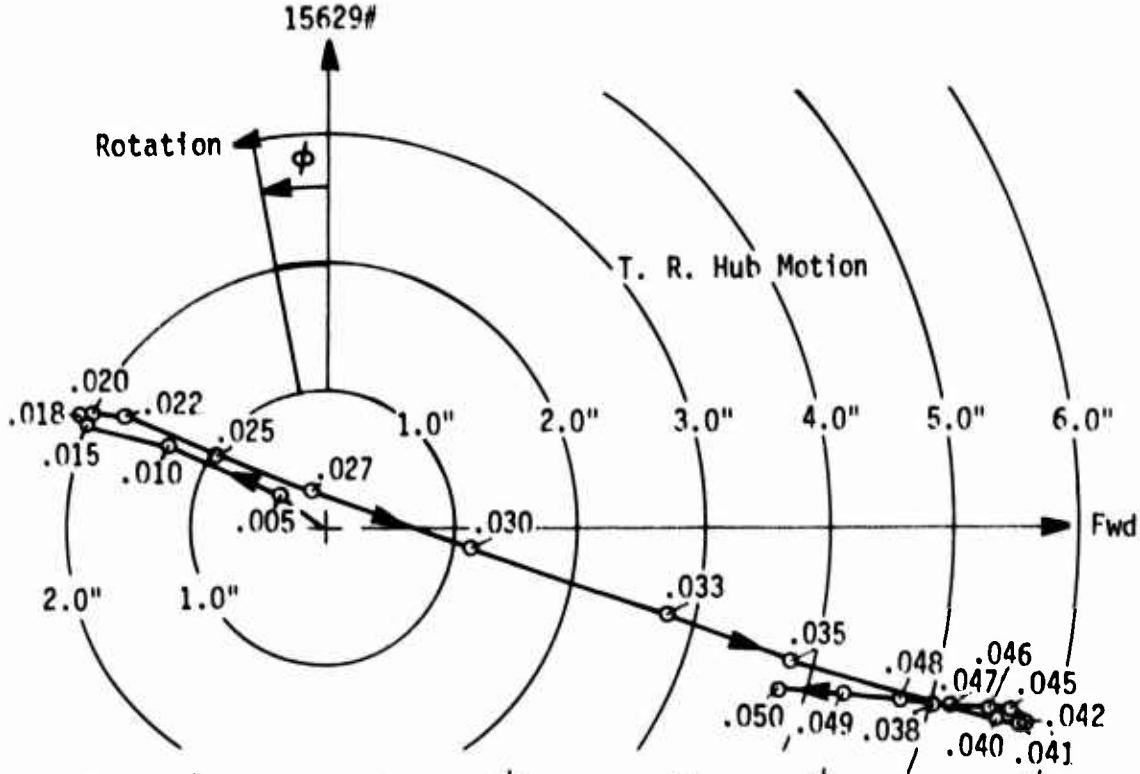


Figure 16. Variation of Roll Moment at Gearbox-Pylon Attachment with Forward Speed

STRUCTURAL ACCOMMODATION

The ability of the UH-60A helicopter to structurally accommodate the load caused by tail rotor blade loss has been examined. The analysis is based on the assumption that ballistic damage is limited to the complete removal of the outer 90% of one rotor blade or that area outboard of the back-to-back hub plates and that the load application time is limited to 360 degrees by removal of the opposing rotor blade. The effect of the centrifugal load on the empennage was examined using the UH-60A NASTRAN Structural Analysis Program to determine the deflections of the center of the rotor that can be expected to occur. Figure 17

shows a trace of the excursions of the rotor center through 360 degrees of the load application. With an imbalance load applied in the manner shown in the figure, the trace indicates that the rotor hub center can be expected to deflect approximately 2.2 inches rearward and 5.8 inches forward.



τ (Sec.)	ϕ (Deg.)	τ	ϕ	τ	ϕ
0	0	.027	196.	.046	335.
.005	36.4	.030	218.	.047	342.
.010	72.7	.033	240	.048	349.
.015	109.	.035	255	.049	356.
.018	131.	.038	276.	.050	364.
.020	145.	.040	291.		
.022	160.	.041	298.		
.025	182.	.042	305.		
		.045	327.		

Figure 17. NASTRAN Plot of Tail Rotor Center Excursions

Due to the offset of the rotor hub center from the centerline of the tail cone and pylon, the unbalanced centrifugal load induces both torsion and vertical bending in the pylon and torsion, vertical, and horizontal bending in the tail cone. Examination of the analytical data verifies that these structural deflections all contribute to the motions of the rotor hub center. Quantifying the relative contributions of each of these structural deflections is beyond the scope of the contract. Preliminary examination indicates that the basic tail cone and pylon structure can sustain the unbalanced load over 360 degrees of rotor rotation.

The ability of the tail rotor drive shaft and tail rotor gearbox to accommodate the high centrifugal loads that accompany full blade loss has been examined. Comparing the centrifugal load against the design allowables that were established for these components of the UH-60A helicopter, the loads are expected to exceed the design limits, requiring redesign to accommodate full blade loss. It has been initially determined that the tail gearbox output can be sufficiently strengthened by a material change accompanied by the addition of a process change that will provide the necessary surface hardening characteristics. Further, it is expected that additional strength in the gearbox housing and local pylon structure can be incorporated to provide the necessary structural capability.

PITCH LINK ACCOMMODATION

Severing the tail rotor blade spar must be accompanied by severance of the pitch horn or link as well. The level of centrifugal load applied to the link attachment is a function of the weight of the blade remaining after ballistic damage has occurred. If the point of ballistic impact is well outboard on the rotor blade, the residual centrifugal force would be sufficient to effect automatic separation of the link as well. However, in the event that the point of ballistic damage occurred immediately outboard of the pitch horn, the resulting level of centrifugal force would be insufficient to be confident that the separation of the pitch horn would not be delayed causing the trajectory of the pitch horn to be toward the helicopter proper.

PART II SYSTEM DESIGN

The automatic tail rotor blade jettison system is designed to effect removal of the residual portion of a severed blade and, sequentially, its opposing blade within one full rotation of the rotor system. The system confines blade jettison to an aftward/downward direction to avoid possible secondary damage to the helicopter proper or its occupants. The system is fully solid-state to achieve maximum operational reliability and employs state-of-the-art techniques to prevent inadvertent actuation.

The system is comprised of four basic elements: an electrical power transfer to the rotor system, damage detectors that initiate system operation, a logic system that determines the blade pair to be jettisoned and provides means to control the direction of blade separation, and pyrotechnic devices that sever the blade spar and associated pitch horn for blade jettison. Figure 18 is a block diagram of the system showing the interrelationship of the basic elements. The prototype system designed for fabrication and evaluation testing differed from a fully productionized configuration in several respects. Development of the pyrotechnic devices was not required, allowing evaluation tests to be performed using an engineering-type rotary test stand previously developed for other programs. As a further expedient of the evaluation tests to be performed on the system, manual switching was incorporated to allow selectable faulting of the two portions of the logic circuitry.

The prototype system has been designed to be compatible with the electrical system, rotor system, tail rotor gearbox, and deicing kit of the UH-60A.

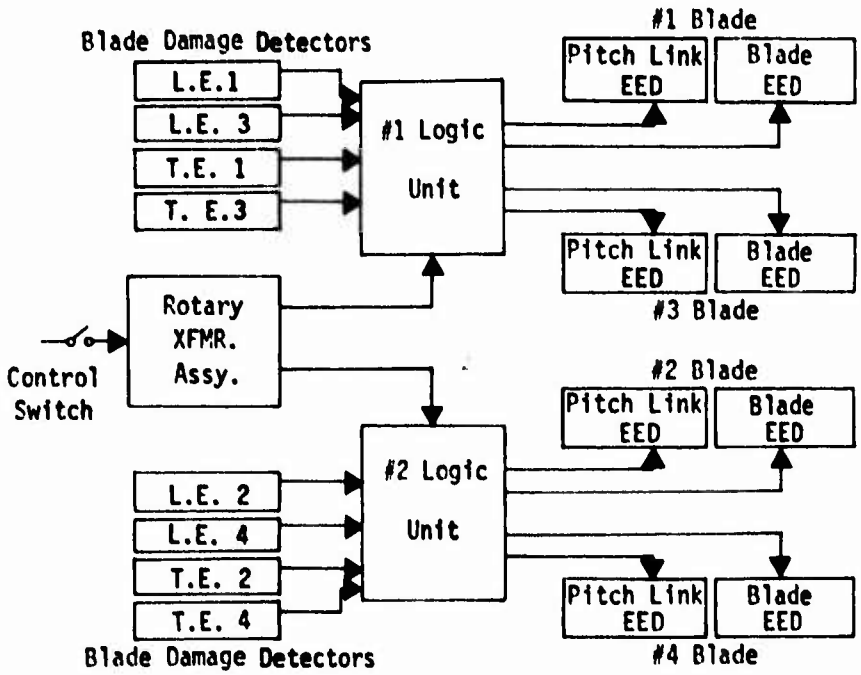


Figure 18. System Block Diagram

Figure 19 is the circuit diagram for the automatic blade jettison system. The diagram indicated the four basic elements of the system and the components that comprise those portions.

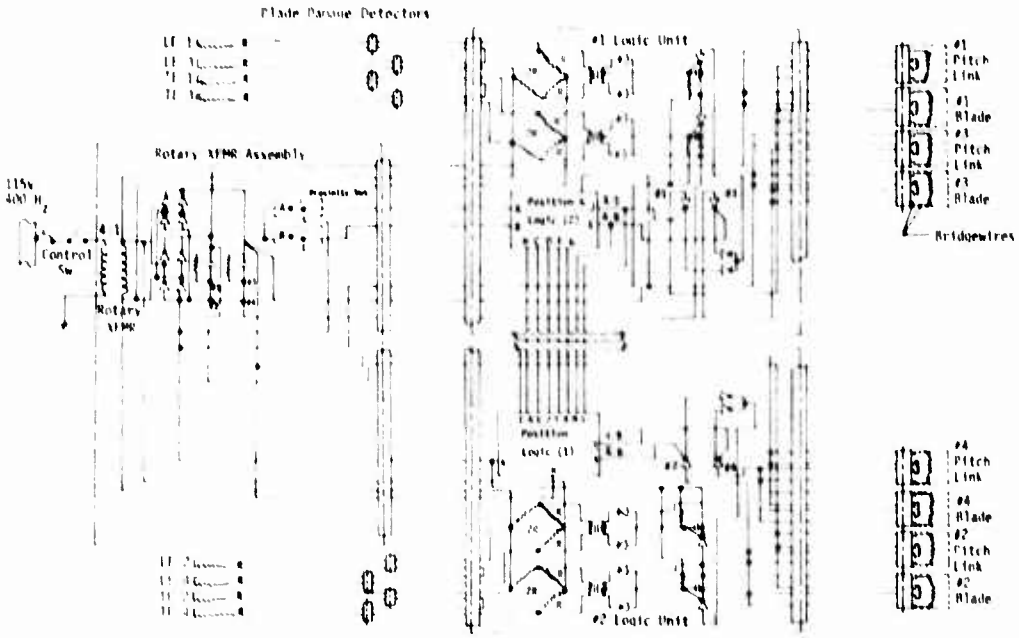


Figure 19. Tail Rotor Balance Restoration System Schematic.

ELECTRICAL POWER TRANSFER - Electrical power to operate the automatic blade jettison system is transferred from the nonrotating aircraft structure to the rotating rotor system by means of a rotary transformer. The transformer is comprised of two subassemblies: an inner frame with the primary windings of the transformer that mounts on the tail gearbox housing and an outer frame with secondary windings that is installed to rotate with the rotor system. The transformer is designed to accept 115 vac, 400 Hz aircraft power and to provide an output of 24 vdc that allows use of aircraft-type hardware. Unlike conventional transformers, the rotary transformer is designed to operate even though the components are moving with respect to each other and efficiency of the transformer's output is directly related to the narrowness of the gap between the induction plates of the two halves of the transformer. Although the output level of the rotary transformer is normally lower than that achievable with the conventional transformer, the output is more than adequate for the intended application.

The rotary transformer was selected as the electrical transfer device in lieu of the more conventional collector ring approach to minimize the requirement for field level maintenance. This not only reduces the operating costs but, perhaps more importantly, minimizes the possibility of field maintenance-induced malfunctions.

The 13-inch transformer for the UH-60A blade jettison system (see Figure 20) is the largest transformer of its type designed to date, the size of the device being dictated by a need for compatibility with the rotor blade deicing kit of the UH-60A. The transformer (part number 207073) was designed to meet Sikorsky performance requirements by Superior Electric Company of Bristol, Connecticut. Two proximity switches are assembled to the rotary transformer that gate the power output to the blade severing charges to control the direction of blade separation. These switches are installed with the transformer as a convenient and practical location to relate the gating function to rotor rotation and to maintain a kit-type approach for the installation of the blade jettison system. The proximity switches operate 90 degrees out of phase with respect to each other. Each switch is associated with one pair of opposing blade paddles. Each proximity sensor transitions from "closed" to "open" or the reverse as determined by the placement of metal targets that are installed in accordance with the blade jettison window requirement. The direction of blade jettison can easily be controlled by this design approach.

The proximity switches selected for the system are fully qualified with a mean-time-between-failures of 200,000 hours. The device, manufactured by Eldec Corporation of Lynnwood, Washington (part number SCD8-260), has a switching rate capability of greater than 20,000 cycles per minute and has an operating temperature range of -65° to +180°F.

Included also as a part of the rotary transformer assembly is power rectification and charge storage capacitors that provide sufficient output to initiate the electro-explosive detonators that, in turn, initiate the blade severing devices. The relatively high power requirement to

achieve reliable initiation of the four EED's for jettison of the blade pair is achieved by capacitance discharge. Two storage capacitors are installed that charge following arming of the system by the pilot.

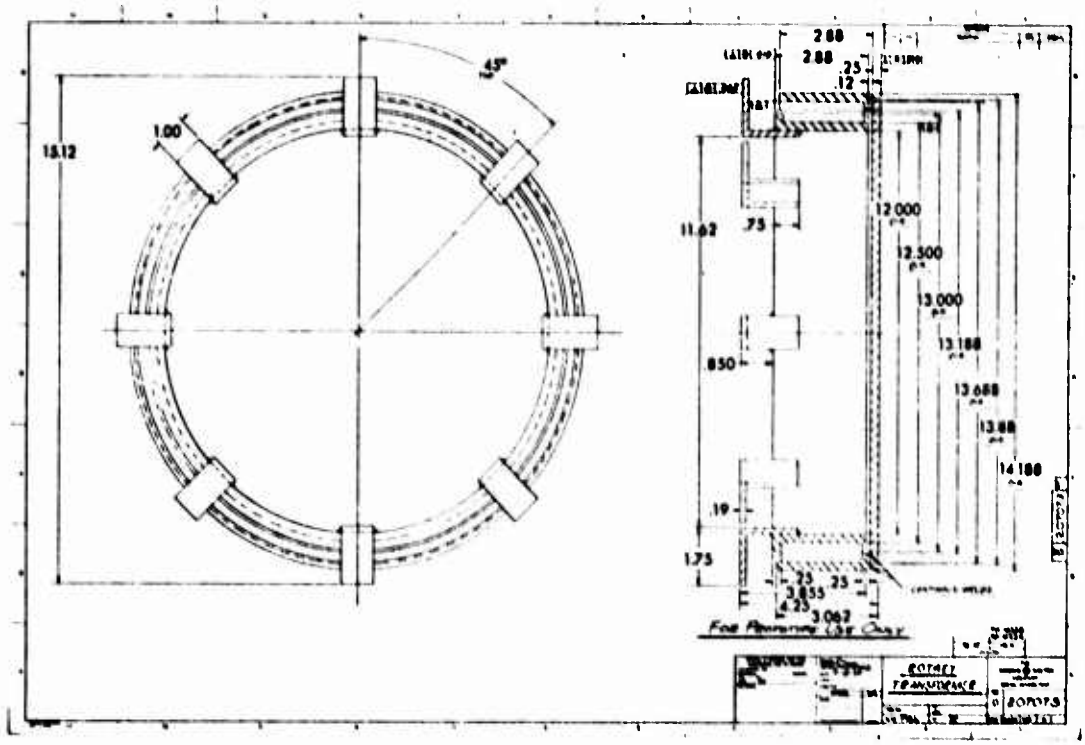


Figure 20. Prototype Rotary Transformer Fully Compatible with the UH-60A Tail Rotor Gearbox and Deicing Unit

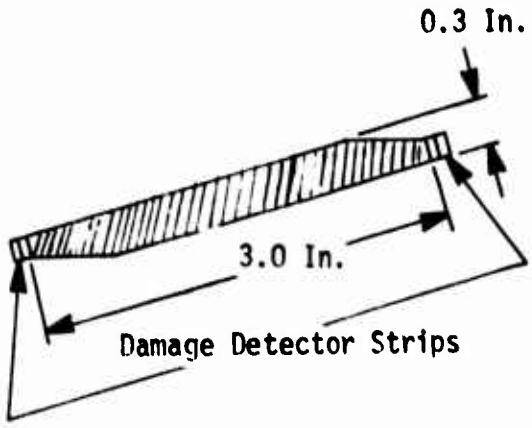
DAMAGE DETECTORS - Two sets of detectors are employed with each blade paddle to detect blade spar damage. Specifically, they are intended, by the manner in which they are installed, to differentiate between ballistic damage to the blade that is of a tolerable nature and that which will result in an intolerable rotor imbalance. This is achieved by locating independent detectors along both the leading edge and trailing edge of the blade spar. The logic system is designed to require an input from both detectors in order to activate the blade severing pyrotechnic devices. In this way, ballistic (or other) damage that does not cause spar separation will not result in blade jettison.

The detector assembly for the UH-60A is comprised of two thin strips of graphite epoxy, the same material from which the spars are fabricated, to obtain the same physical characteristics and thereby avoid differential elongations due to temperature and centrifugal force. The two halves of the detector assembly are insulated from each other and bonded together. For production installations, the detector assemblies are installed by bonding in position along the edges of the spar prior to application of the outer fiberglass wrap. For test applications where blade retrofit is required, the detector assemblies are potted in position along the spar edges following preparation of the blade by longitudinal saw cuts to a depth that is sufficient to expose the spar edges.

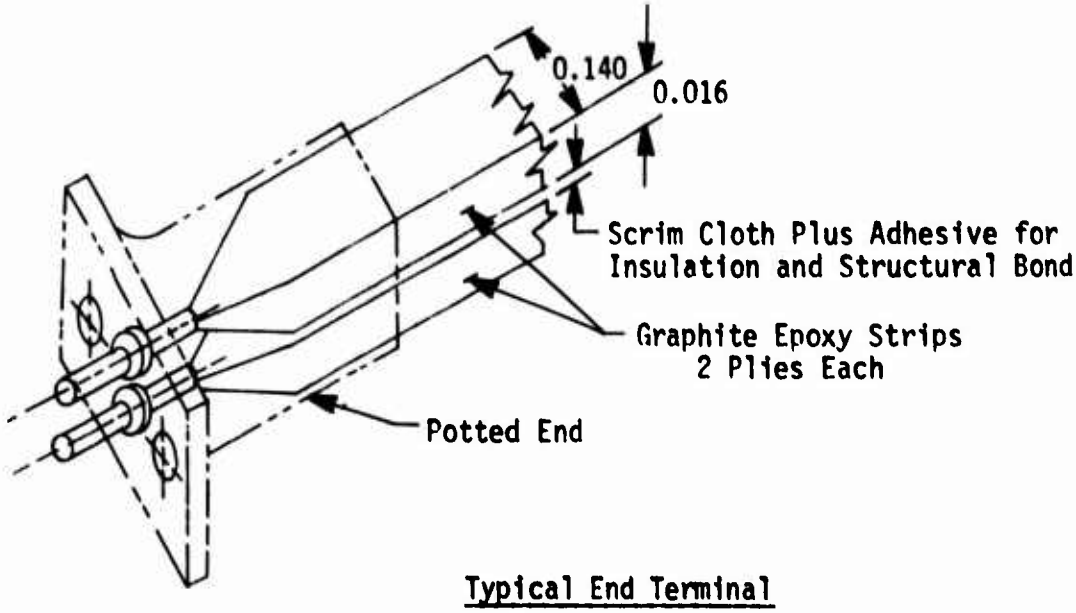
The electrical properties of the graphite epoxy allow the use of the material as a conductive element having a useful resistance level for the intended application. The detector assembly is essentially a circuit that serves to balance a conventional wheatstone bridge. As long as the circuit's resistance level remains within acceptable tolerance limits, the logic system remains inactive with regard to blade separation initiation.

In the event that the detector assembly circuitry is interrupted or the resistance level becomes significantly changed beyond the established tolerance limits, the bridge becomes unbalanced and the logic unit "senses" a fault. When both circuits exhibit faults, the logic unit has "sensed" a failed spar condition and blade jettison is initiated. In order to effect a positive indication of resistance level change, the detector assembly includes the installation of a resistor at the outer end of the spar; circuit interruption then results in significant resistance level change. The resistor further serves to allow tuning of the circuit, if required. The inner end of the detector assembly terminates in a small potted end fitting that has posts for attachment of the wires leading to the logic unit. This connection is located under the rubber boot near the root of the blade and is provided to allow rapid rotor blade change.

Figure 21 shows the general arrangement of the detector assembly. Detail design of the detector assembly was not required for the evaluation test work and was beyond the scope of the contract.



Graphite Epoxy Spar Cross Section



Typical End Terminal

Figure 21. Damage Detector Assemblies (Fabricated from Spar Material for Elongation Compatibility)

LOGIC UNIT - This unit is comprised of a number of switches (normally open) that gate the power output to the proximity sensors. These series oriented switches change from "Open" to "Closed" when the associated detector assembly faults and its wheatstone bridge becomes unbalanced. Silicon controlled rectifiers (SCR) were selected to perform the switching function to achieve highly reliable, solid-state performance. The logic unit also includes position logic circuitry that allows two proximity sensors to perform the timing function for the entire rotor. This is achieved by means of two additional SCR's that switch over the proximity sensors to the affected blade pair. Also included in the logic unit are the remaining three legs of the wheatstone bridge. Two logic units are required for the four-bladed UH-60A tail rotor system.

ROTOR BLADE SEVERANCE - Pyrotechnic severing devices are installed at the root of each rotor blade and on the pitch horn to effect jettisoning of the blades. The devices are both comprised of linear shaped charges supported in silicon rubber and installed in fiberglass housings. The spar severing devices are installed adjacent to the spar, immediately outboard of the rotor hub plates under the existing rubber boot of the blade. The pitch horn severing devices are installed at the horn's smaller, outer end and are nested in the cavity of the component.

The development of the actual blade and pitch severing devices was not required by this contract. Certain preliminary work has been performed which verifies that the UH-60A graphite epoxy spar can be severed by a linear shaped charge of acceptable charge size to be compatible with the intended application. Figure 22 is a photograph of a segment of graphite epoxy spar assembly of the UH-60A material type and thickness that was successfully severed by 200 grains per foot charge loading in the cross-grain manner required for a blade separation. This test performed by Teledyne McCormick Selph, was a preliminary effort only to ascertain feasibility of severing graphite epoxy spars by pyrotechnic means and no attempt was made to optimize the charge size. It is estimated that the production severing charge would be lead-sheathed and would fall in the size range of 125 to 150 grains per foot using RDX (Cyclotrimethylenetrinitramine).

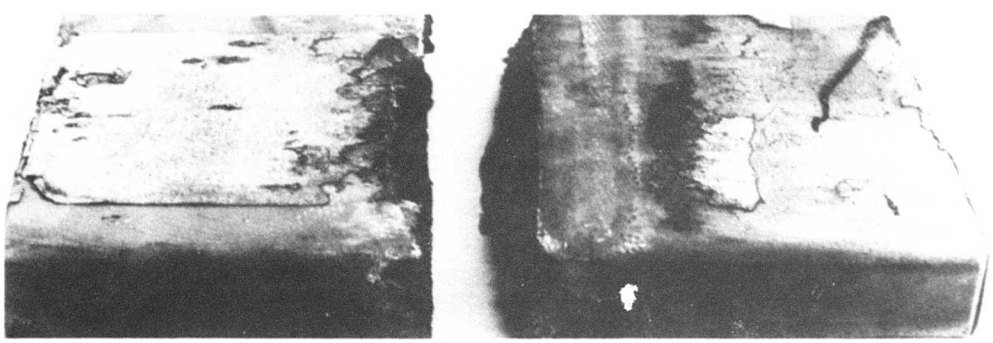


Figure 22. Graphite Epoxy Spar Severed by Linear-Shaped Charge

The chevron-shaped LSC's of both the blade severance assembly and the pitch horn severance assembly are initiated by electro-explosive detonators (EED) that are installed in the housings. Two approaches are considered to be acceptable for the severance assemblies. The first employs a single dual bridgewire EED for LSC initiation and achieves redundant initiation by means of the duality of the EED's bridgewires. The other approach, expected to be superior in terms of severance reliability, employs two individual EED's, each having single bridgewires. The EED's are physically located at opposite ends of the LSC to maximize the redundancy capability.

The blade and pitch horn severance assemblies are initiated simultaneously by the electrical power output from the logic unit. Quick disconnects are provided to accommodate blade removal/installation. The built-in test capability of the system allows preflight verification of circuit continuity up to, and including the bridgewires of the EED's to avoid a maintenance-induced error during blade replacement.

Figure 23 shows the general arrangement of the various components of the system installed on the UH-60A tail rotor.

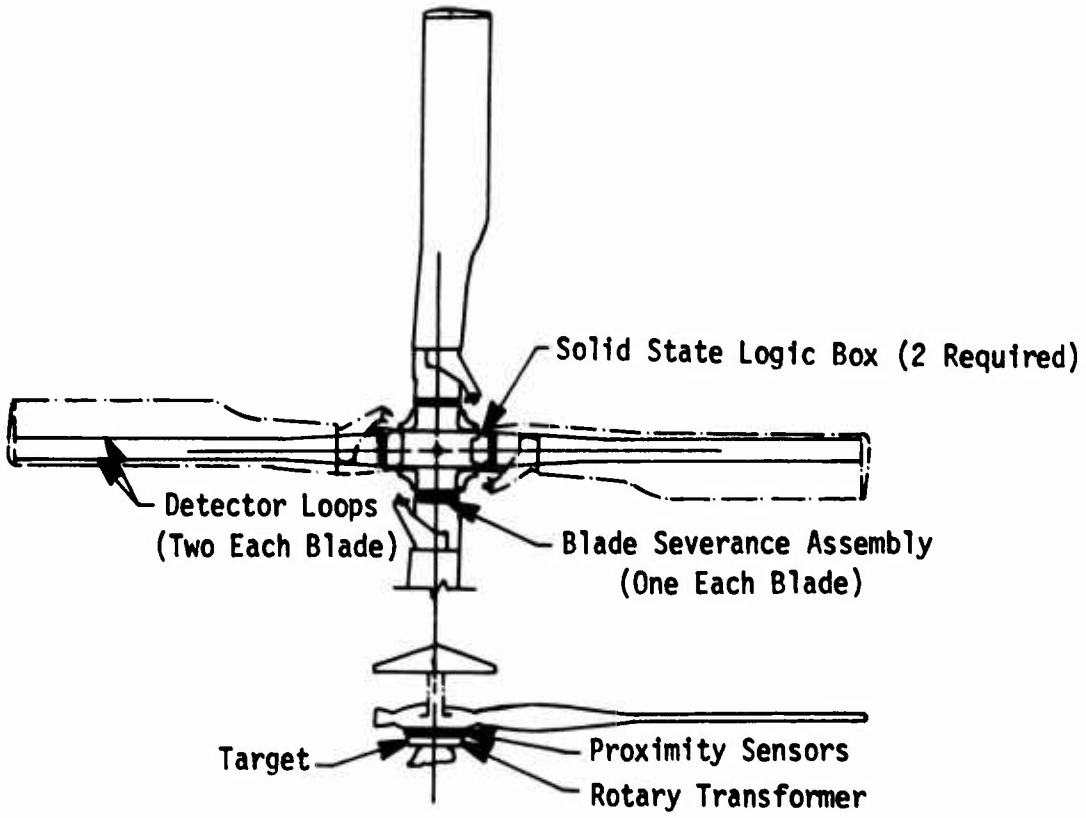


Figure 23. General Arrangement - Tail Rotor Blade Jettison Concept

SYSTEM SAFETY AND RELIABILITY CHARACTERISTICS - The following general discussion pertains to the characteristics that are, or can be, incorporated into a production version of the automatic blade jettison system that enhance reliability of operation and that enhance safety with use of the system.

RELIABILITY

- Electrical components are selected to be working at approximately 50% of their rating. This practice was not employed during prototype development in order to allow any possible problem areas to surface.

- Entire system circuitry can be preflight checked to verify operational status. All test functions, however, are removed from the airborne system in order to minimize system complexity and part count.

SAFETY

- The system incorporates three SCR interlocks ahead of the firing of the EED's to prevent inadvertent blade jettison without prior loss of a blade or blade segment.

- A control switch is employed to allow the system to be armed at the discretion of the pilot.

- The storage capacitors are subjected to intentional discharge by bleed resistors following shutdown to maximize safety during performance of maintenance.

IMPACT DAMAGE

- The logic units are fully encapsulated.

- The rotary transformer assembly employs encapsulation.

- The blade damage detector circuits and terminal resistors are buried within the leading and trailing edges of the blades.

- The pyrotechnic linear shaped charges are insensitive to impact and are located such that the possibility of impact damage is remote.

HEAT DAMAGE

- All components selected are compatible with the temperature requirements of the UH-60A.

LIGHTNING

- Tail rotor blades are covered with aluminum mesh that is grounded to the airframe. Lightning strikes will be conducted on the blade surface and not through the graphite epoxy detectors.

MAINTENANCE

- The EED's are disarmed during maintenance when the test box harness is installed to prevent inadvertent system initiation during maintenance of the system.
- Power levels employed to conduct circuit continuity checks are well below the level required to initiate the EED.
- System design is such that two ground faults are required before the system can actuate; ground faults are detected in the preflight test box.

STATIC ELECTRICAL DISCHARGE

- The aircraft has adequate static discharge wicks on the stabilator trailing edges to prevent static charge buildup.
- Any small corona discharges that may develop from the tail rotor blades are insufficient to set off the blade severance system.

STRAY VOLTAGE OR INDUCED CURRENTS

- All SCR's incorporate anode/gate shunt capacitors to prevent inadvertent change of switch state.
- Wheatstone bridge resistors are shielded to prevent inadvertent change of switch state.
- The blade severance system wiring is separated to the maximum extent possible from the tail rotor blade deicing system.

PART III SYSTEM FABRICATION AND EVALUATION

System performance evaluation has been completed on a prototype fabricated in accordance with the schematic shown in Figure 19. The prototype system includes a rotary transformer, electrical power rectifiers, two logic units, two proximity sensors and targets, and fuses to simulate initiation of EED's. The system evaluated includes a capacitance discharge concept to initiate the fuses that provide the required indications to verify proper system performance and timing.

Figure 24 shows the various components of the system with the covers removed. For the test program, the electronic components are attached to a mounting plate that secures to the rotating portion of the rotary transformer. The fuses used to provide initiation indication are installed in a light assembly at the four quadrants that represent the associated blade positions. A switch box is visible that allows either logic unit to be independently selected for testing. The slip ring assembly located at the center of the system is included as test equipment to transmit the system initiating faults and to pick off output signals that verify positional relationship of the initiated components during the tests.

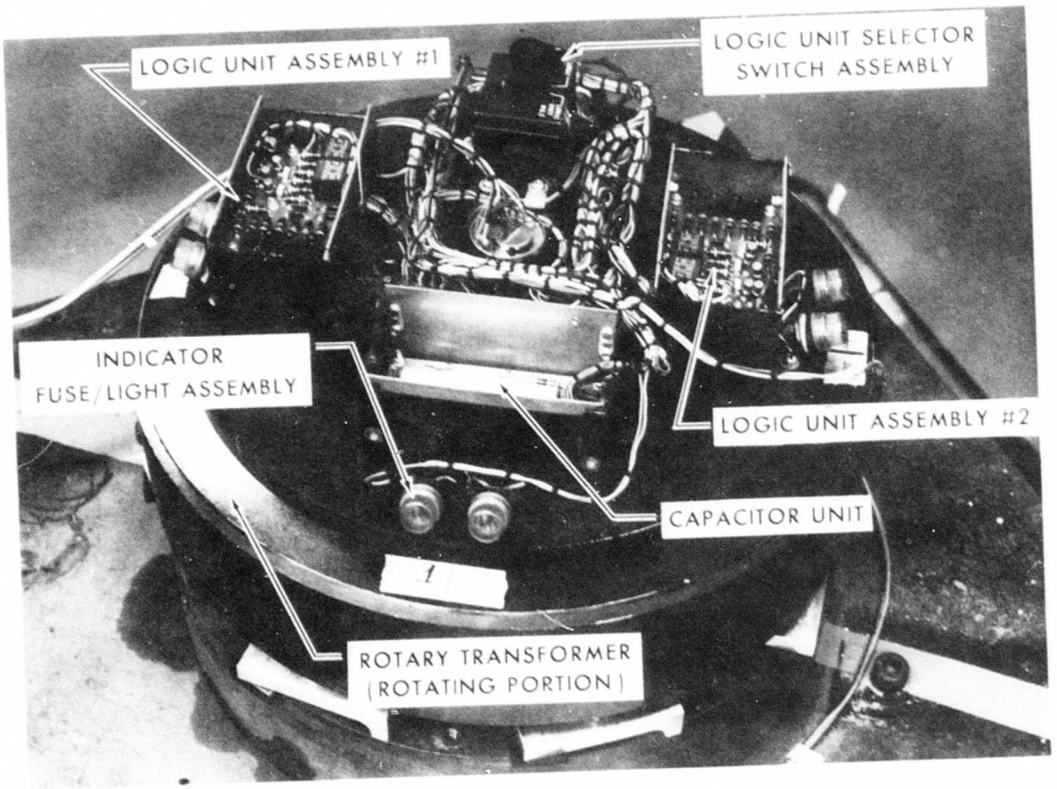


Figure 24. Prototype System Installed in Test Stand

The prototype system was installed on an engineering test stand previously developed for similar test work and upgraded to provide the high-speed capability consistent with a tail rotor application. The stand, shown in Figure 25, includes a protective drum around the upper area for safety reasons during the test operations. The test stand is belt-driven by a variable speed motor capable of rotating the system to speeds up to 1800 RPM. Also visible in Figure 25 is a small control panel containing the switches required to control the test stand drive motor to control power to the rotary transformer, and to introduce the faults that simulate interruption of the damage detectors.

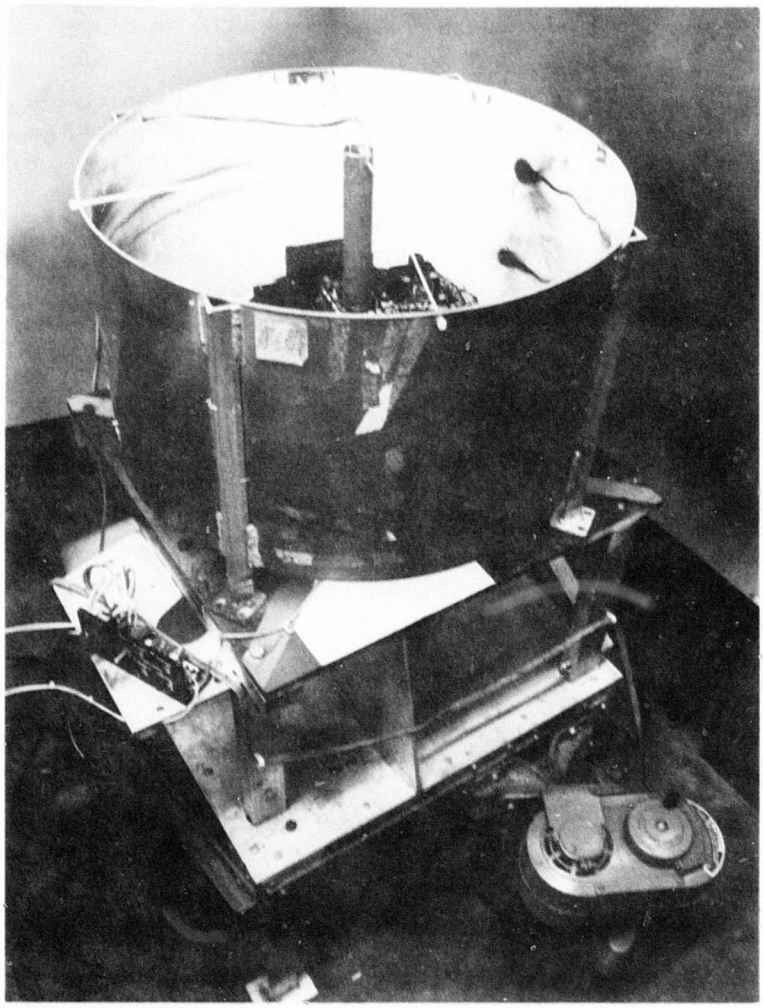


Figure 25. Engineering Rotary Test Stand used for Evaluation of Prototype System Performance Capability

EVALUATION TESTING - Tests were run to determine the positional relationship of certain components of the prototype system in order to verify that the system meets the jettison window requirements of the UH-60A helicopter. This was accomplished by displaying EED initiation (simulated by the use of fuses) and the open/closed status of the proximity switches using a Techtronix 654 scope with 4 trace memory. This approach allows the measurement of the time lapse between the change in state of the proximity sensor and the initiation of the EED. Further, the display provided visual verification that both blades would be jettisoned at the proper location as controlled by the location of the target. It should be noted that the EED's are initiated at a change in state of the proximity switch and the data recorded, therefore, indicates initiation only at the point where the proximity switch changes from open to closed state or the reverse.

In accordance with the system performance test plan, 28 test runs were performed using the engineering rotary test stand to verify proper prototype performance throughout the rotational speed range of 70% N_R to 150% N_R in accordance with:

%N R	Equivalent RPM	Number of Tests
70	834	2
80	954	2
90	1073	2
100	1192	12
110	1311	2
120	1430	2
130	1550	2
140	1669	2
150	1788	2

The prototype system successfully met the performance requirements in all tests performed, and compatibility with the UH-60A window for tail rotor blade jettison has been verified. Due to the repetitive nature of the data obtained, only the data for the 100% N_R run is included here (see Figure 26); the remainder of the data is included as Appendix A to this report. Figure 26 is the photographic record of the Techtronix scope with the various elements defined. By using this data recording approach, it was possible to record data with the required degree of accuracy.

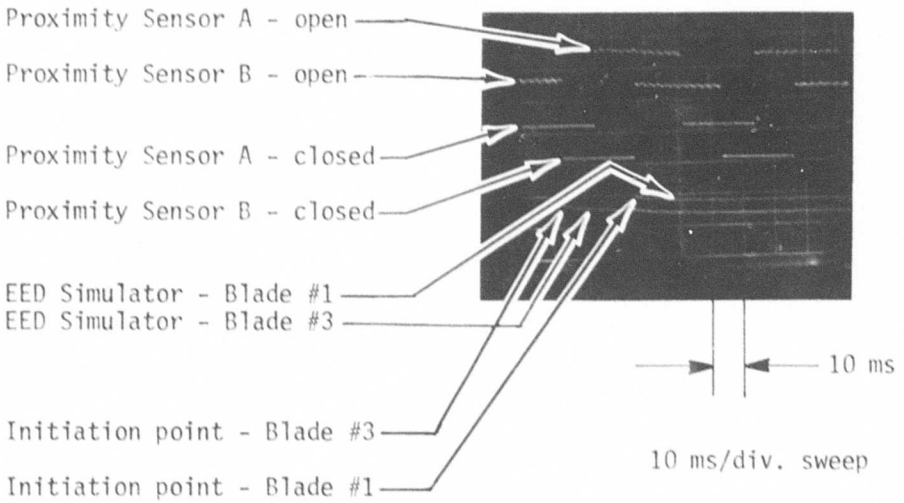


Figure 26. Prototype Performance Data - 100% N_R (1192 RPM)

The testing performed in this manner confirmed that the prototype system components were operating properly, in correct sequence, and with sufficient speed to effect blade jettison within the window tolerance limits established. An additional test was needed to verify that the severance signal occurred at the proper rotational position with respect to the location of the window. This was verified by the use of a strobe light, triggered by the output signal from the appropriate proximity switch. Since the oscilloscope record verified that the response times of the components were proper, positional accuracy of the system is a function of the response time of the proximity sensor. By utilizing the output of the proximity sensor to trigger the strobe light, rotational indexing and the output variance throughout the speed range of 834 RPM to 1788 RPM could be determined. Using this technique, it was determined that the positional characteristics of the system were well within the tolerance limits of the UH-60A blade jettison window and that the point of blade jettison varies less than six degrees throughout the entire speed range. Since the 150% N_R speed is well beyond the normal operating limits of the UH-60A helicopter, the variation is considered of negligible significance.

PART IV FLIGHT SIMULATION ANALYSIS

An extensive simulation analysis program was conducted to determine the effects that the programmed blade jettison can induce on the performance characteristics of the UH-60A helicopter and to assess the handling qualities to be expected. The Sikorsky General Helicopter (GEN HEL) UH-60A flight dynamic simulation program and PDP-10 Hybrid Computer were employed to study the changes in helicopter trim conditions. By coupling a new subroutine for the transitional, four, to three, to two-bladed rotor condition with the basic GEN HEL Program, it was possible to ascertain the effect of the imbalance loads on the helicopter. To ascertain the change in handling qualities to be anticipated with the blade jettison, the GEN HEL Program was interfaced with the Sikorsky cockpit simulator for qualitative pilot assessment in the normal four-blade mode followed by transition to the two-blade mode.

METHODOLOGY

The tail rotor blade severance scenario was considered as four consecutive, but distinct, handling qualities situations and the GEN HEL Program was employed to study all four of these situations:

1. Helicopter trim with four tail rotor blades
2. Severance transition from four-to three-to two tail rotor blades
3. Pilot response to loss of two opposing blades
4. Helicopter trim with two rotor blades, if possible

The basic GEN HEL Program was used to obtain UH-60A trim conditions with either four or two tail rotor blades for flight conditions and loading configurations that represent the most critical - but realistic - situations for tail rotor blade loss. A subroutine was written to program, in detail, the loads at the tail rotor during the imbalance period. This subroutine was coupled with the GEN HEL Program to produce the proper interplay between the response of the helicopter and the loads generated at the tail rotor. The UH-60A GEN HEL Program was interfaced with the cockpit simulator to determine how well the aircraft could be recovered from the loss of two opposing tail rotor blades and the flight conditions that would have to be assumed to continue flight following initial recovery from the helicopter's reaction to tail rotor blade loss. Table 4 presents the axis system, parametric definition, and sign conventions used in the program.

BASIC PROGRAM

The GEN HEL Program is an analytic helicopter model developed by Sikorsky Aircraft and is used as the primary handling qualities design analysis tool. This computer program is a fully coupled, nonlinear model of the helicopter, containing detailed descriptions of the components of the

helicopter that affect the handling qualities of the aircraft. GEN HEL is used for solving aircraft trims for a variety of flight conditions such as level flight, autorotation, and climb, and for solving the dynamic response of the helicopter to control inputs or aircraft disturbances.

The GEN HEL program is arranged in modular form, grouping descriptions of the basic helicopter elements such as the main rotor, tail rotor, and fuselage separately to allow uncomplicated modification of particular components, if necessary. One of these particular files, called the specific file, describes all components of the helicopter that are unique to a particular model. When the specific file describing the UH-60A descriptive input and control system is assembled with the rest of the general files of GEN HEL, the resulting program then models the UH-60A helicopter. This is the basic UH-60A simulation model around which this tail rotor blade severance handling qualities study was developed.

SEVERANCE TRANSITION ROUTINE

To simulate the buildup of centrifugal forces in the tail rotor during the three-bladed transition period and the transfer of this load imbalance to the rest of the helicopter, a special routine was incorporated into GEN HEL that calculated the inertial loads in the three remaining blades as the tail rotor proceeded to rotate in the discrete digital program solution. The inertial loads were summed for all three blades, and the resulting forces and moments imparted on the helicopter were solved. Additionally, the calculation of the aerodynamic thrust produced at the tail rotor existing in the basic version of GEN HEL was modified to reflect the proper decrease in thrust that occurred as the number of blades was reduced.

An associated logic routine was written into GEN HEL to distinguish when the program user elected to lose the first tail rotor blade due to ballistic damage during the dynamic simulation of the helicopter. This logic then routed the program through the additional imbalance equations and kept track of the location of the remaining unbalanced blade in order to determine when it entered the jettison envelope of tail rotor azimuth. Once the imbalanced blade reached this envelope, the program logic then left the tail rotor imbalance equations and proceeded with simulation of the helicopter using only the basic GEN HEL program again, but in the two tail rotor blade mode. Figure 27 is a flow diagram that depicts the logic procedure employed.

Because the tail rotor rotates at such a high speed, the duty cycle (simulated time between program updates) had to be made small enough to sample the tail rotor imbalance whenever the severance transition period was being studied. For simulation of the severance transition, a duty cycle was selected as a function of rotor speed to yield a change in tail rotor blade azimuth of 20 deg each duty cycle. This duty cycle was approximately seven times greater than the 1/50 second (50 cycles per second) normally used for dynamic simulation.

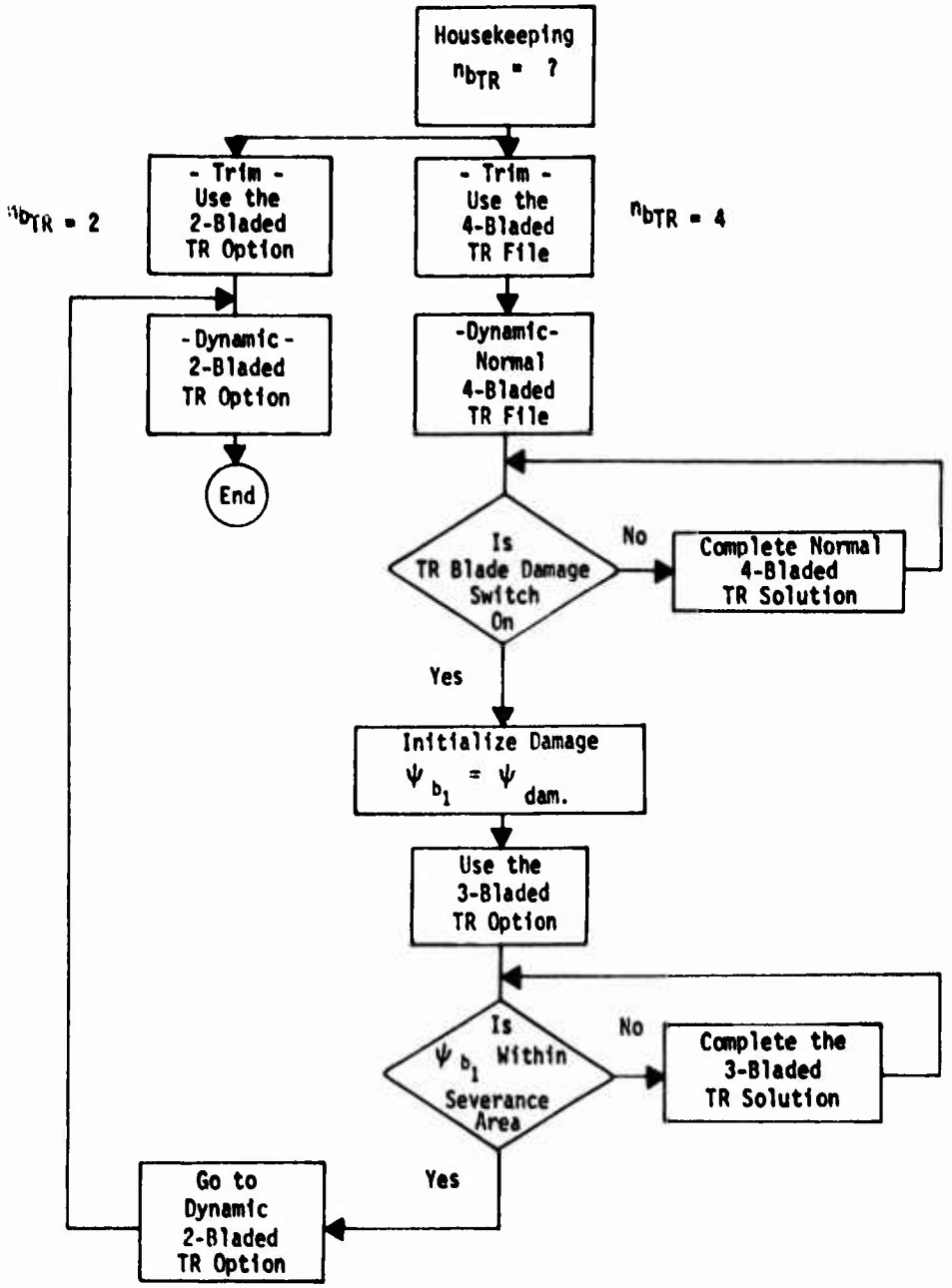


Figure 27. Flow Diagram of the Logic Modification used with GEN HEL (UH-60A) Tail Rotor File to Simulate Blade Severance Sequence

CASES STUDIED

Aircraft level flight trims and severance period transitions were studied with variations in aircraft gross weight, fuselage station cg location, density altitude, and rotor speed. These conditions were studied over a speed range from hover to 150 knots. Level flight was considered the most relevant flight condition since in all likelihood after losing tail rotor blades, the primary concern would be to return to base, not to continue the mission. Therefore, unusual or stringent flight conditions were not considered following the loss of two tail rotor blades.

Autorotation is not a demanding flight condition if two tail rotor blades are lost. Autorotation demands from directional control are not critical even when two tail rotor blades are lost because the directional control requirements are not near control system limits.

TWO-AND FOUR-BLADE TRIMS

Four trim cases were studied in accordance with the parametric mix shown below with trim data acquired at 0, 40, 60, 80, 100, 120, 140, and 150 knot speeds.

Case	$h_{Density}$	G W, LB	FSCG	Rotor N_R Speed
1	SLS	Low (16450)	Aft (360.2)	100%
2	SLS	High (19900)	Aft (360.2)	100%
3	10,000	High (19900)	Aft (360.2)	100%
4	10,000	High (19900)	Fwd (347)	100%

Baseline trims were gathered using GEN HEL for the UH-60A with four tail rotor blades. Trims were then attempted for the same conditions, only with two tail rotor blades.

The result of this exercise showed that the helicopter could be trimmed with two tail rotor blades throughout the speed range for low altitudes even at high gross weight. At higher altitudes, power requirements increase and there are conditions near hover and high speed that cannot be trimmed.

For all of the cases studied at nominal (100%) rotor speed, there always was some speed range at which the helicopter could be trimmed with only two tail rotor blades. This speed range, 60 to 100 knots, corresponds to the lower power requirements of the helicopter (see Figure 28). At rotor speeds of 95% N_R and 110% N_R (see Figure 29), the helicopter could be

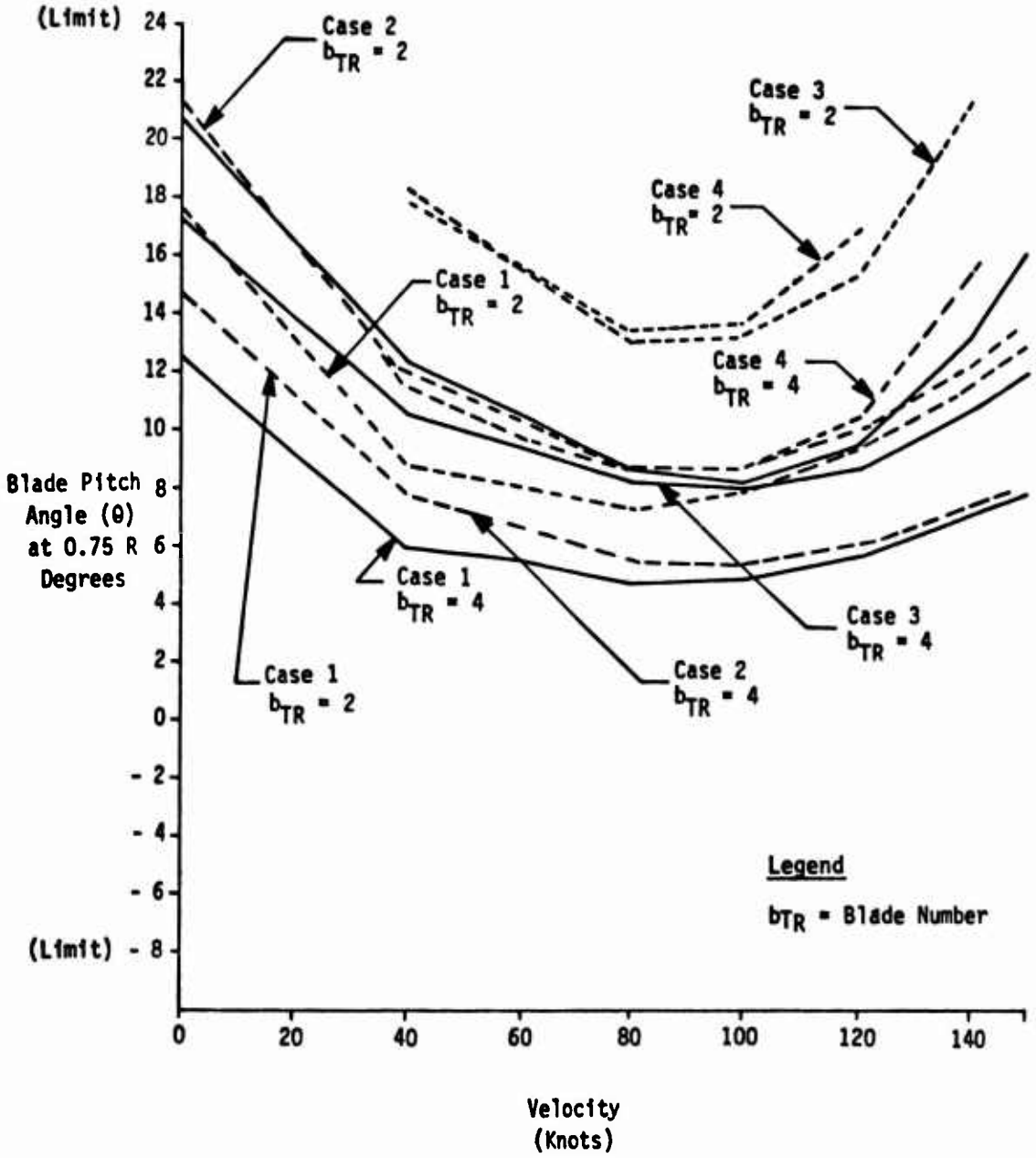


Figure 28. Two-and Four-Bladed Trims (100% N_R)

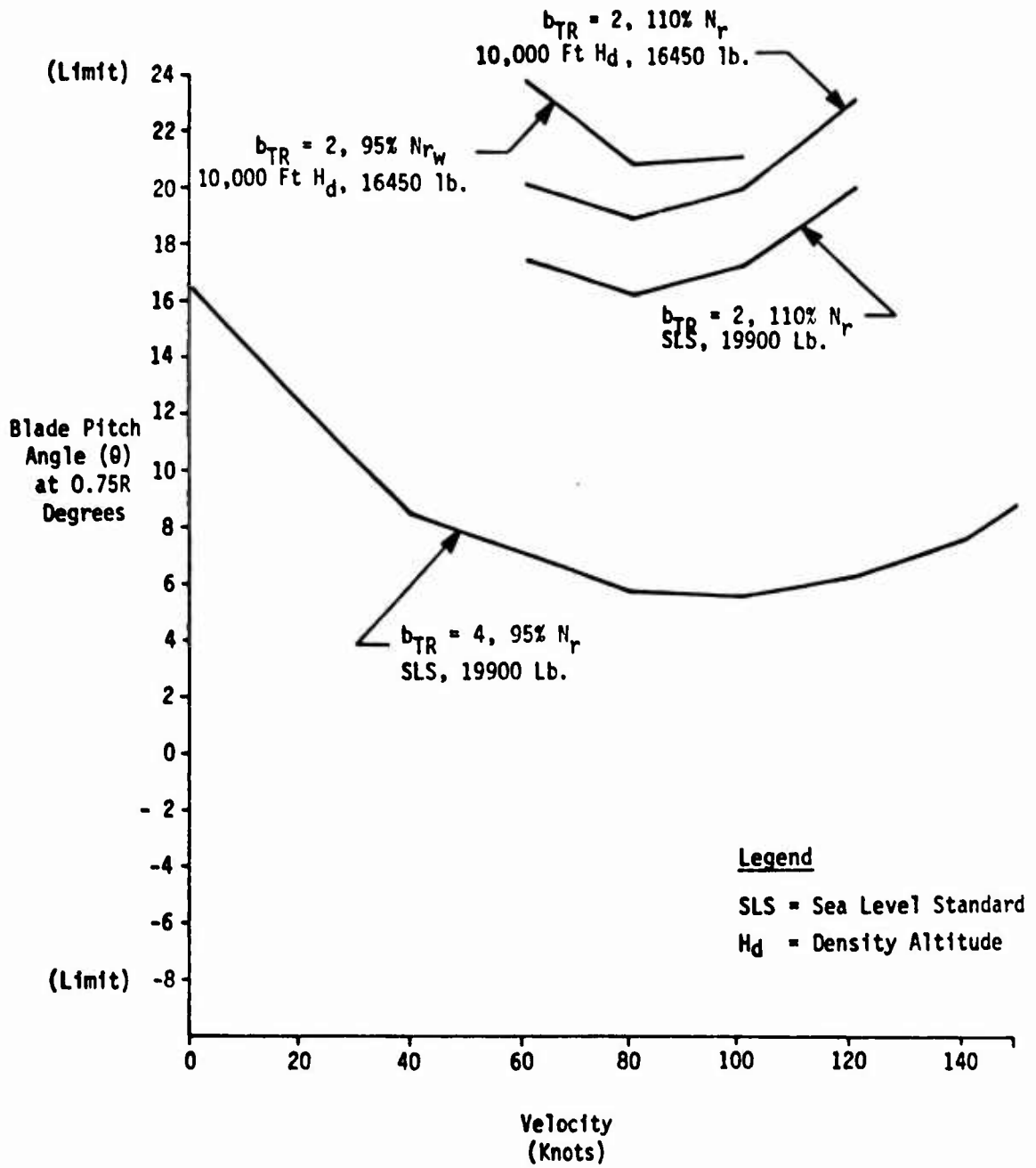


Figure 29 Two- and Four-Bladed Trims (95% N_R and 110% N_R)

trimmed at this same speed range with only two tail rotor blades. However, two blade trims become difficult (if not impossible) at any speed for low rpm at high altitudes, necessitating altitude reduction to achieve trim. Low rpm trims with two tail rotor blades are not advised because it becomes difficult to generate the required tail rotor thrust at reduced rotor speed.

These two tail rotor blade trim results indicate that for many flight conditions, the helicopter can be trimmed with only two tail rotor blades at any possible speed. At most flight conditions there exists a speed range (corresponding to the minimum power requirement) where the helicopter can be trimmed with only two tail rotor blades.

Naturally, trims with only two tail rotor blades provide less control margin and control sensitivity than the four-bladed situation, but under emergency conditions this situation could be considered acceptable.

For record, trim data printouts for the two-bladed and four-bladed conditions are provided in Appendix B.

AIRCRAFT "HANDS OFF" RESPONSE FOLLOWING BLADE LOSSES

The responses of the aircraft with no pilot correction for both the SAS OFF and SAS ON conditions are relatively mild, and should be acceptable to the pilot. These time history responses of the hands-off conditions, shown in Figures C-1 to C-12 (see Appendix C), demonstrate the response of the aircraft up to six seconds following blade loss. Actually, the pilot would react to the TR blade loss condition much earlier than six seconds and the response can be expected to be even less.

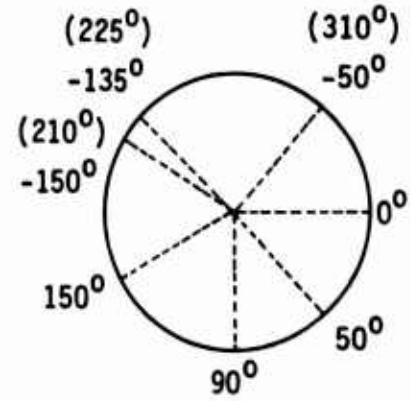
The aircraft responses vary as a function of the azimuth position where the initial blade is lost (Ψ damage). This is caused by the unbalanced blade (No. 2) traveling through different percentages of tail rotor azimuth before reaching the jettison envelope for different azimuth locations of the ballistic damage to the initial blade (No. 0). The centrifugal imbalance imparts different net impulses on the helicopter for the different proportions of the revolution for which the imbalanced blade is carried before reaching the jettison envelope. Therefore, different aircraft responses follow the event as a function of damage but all of the responses are mild and acceptable for the full sweep of values of Ψ damage. Table 4 presents data extracted from Figures C-1 through C-12 for: (a) the maximum roll (Φ_b), pitch (Φ_b), and yaw (Ψ_b) angles achieved within 6 seconds after initiation of blade loss with SAS OFF; and (b) the roll, pitch, and yaw attitudes of the aircraft at 6 seconds following blade loss with SAS ON.

Table 4. Aircraft "Hands Off" Response Following Blade Losses

(a) A/C response within 6 seconds after severance (SAS OFF)

	Maximum Value Incurred Any Time During the Time History		
Ψ Damage	Φ_b Max	$\dot{\Phi}_b$ Max	Ψ_b Max
0	10	40	28
50	14	38	28
90	22	33	28
150	31	28	28
-135	30	28	29
- 50	13	39	28

SAS OFF - A/C response is low frequency, oscillatory deviation from trim.



(b) A/C response at 6 seconds after severance (SAS ON)

	Value at 6 Sec Point in the Time History		
Ψ Damage	Φ_b 6 Sec	$\dot{\Phi}_b$ 6 Sec	Ψ_b 6 Sec
0	26	13	32
50	27	13	33
90	28	12	34
150	28	11	34
-135	28	11	34
- 50	27	14	33

SAS ON - A/C response is slow steady deviation from trim.

Trim condition = 16,450 Lb (Level Flt)
FSCG = 360.2
S.L.S.

STEPPED TRANSITION TIME HISTORIES

During the three-bladed transitional period, the unbalanced centrifugal force imparts loads on the tail rotor of the helicopter. A series of ten time history cases with parameters varied in accordance with the table below were performed to examine the helicopter response to the unbalanced load during the transition from four to two blades. The simulation runs, Figures D-1 through D-10, are included in Appendix D to this report.

Table 5. Time History Case Parameters

Figure	GW(Lb)	FSCG(In)	V,Knots	Ω,%	Ψ dmg	SAS	H_d Alt.,Ft
D-1	16,450	360.2	100 Kts	100	- 150	Off	S.L.S.
D-2	19,900	360.2	100 Kts	100	- 150	Off	S.L.S.
D-3	19,900	360.2	100 Kts	100	- 150	Off	10,000
D-4	19,900	347	100 Kts	100	- 150	Off	10,000
D-5	19,900	347	150 Kts	100	- 150	Off	10,000
D-6	19,900	360.2	150 Kts	100	- 150	(On)	10,000
D-7	19,900	360.2	Hover	100	- 150	Off	10,000
*D-8	19,900	347	Hover	100	- 150	Off	10,000
D-9	19,900	347	Hover	95	- 150	Off	10,000
D-10	19,900	347	Hover	100	- 150	Off	10,000

*No print out

The ten aircraft configurations studied show that there are insignificant changes in the tail rotor load and aircraft response parameters with variations in gross weight, center-of-gravity location, airspeed, density altitude, or on/off condition of SAS. Two additional runs were conducted (Figures D-11 and D-12, Appendix D) to ascertain the significance of varying the rotational point at which blade loss occurs. These two cases illustrate that the loads developed at the tail rotor during the centrifugal imbalance period essentially are not dependent on the tail rotor blade azimuth location at which the first blade is lost. The centrifugal load in the unbalanced rotor blade does vary, as can be expected, with change in tail rotor speed. From the data, it can be determined that the centrifugal loads for 95% N_R, 100% N_R, and 110% N_R are 24,000, 27,500, and 34,000 pounds, respectively.

It is anticipated that the loss of tail rotor blades is felt only as an impact load by the pilot since the transitional three-blade condition is of such short duration.

SIMULATOR INTERFACE

In order to qualitatively study pilot recovery from the tail rotor blade loss condition and retrimming of the helicopter, the basic GEN HEL program was coupled to a fixed base cockpit simulator (see Figure 30). Once the program is in a dynamic mode the program operator can select jettison of the two tail rotor blades. The program shifts from the four-bladed tail rotor solution to the two-bladed solution, imparting an impact-type response to the helicopter. Interpreting the blade loss condition from instrument readings and the visual display, the simulator pilot then proceeds to effect recovery of the helicopter from its response brought about by the forces from the blade loss and then trims the ship to the same or other flight conditions if necessary. The simulator pilot can proceed to a hover, if possible, and land, or conduct a run-on landing at low forward speed, if necessary.

The three-bladed severance transition portion of the solution is not used in the simulator study because real-time simulation requirements sample the tail rotor solution too infrequently to see a small enough change in tail rotor blade azimuth position. What transpires at the tail rotor during this very short imbalance period has negligible impact on helicopter handling qualities in a simulator study.

Nothing unusual or unexpected occurred during the piloted simulator portion of the handling qualities study. Even without external cues such as noise or impact motion, the simulator pilot was able to detect early the blade loss condition at the tail rotor. Yaw rates were not excessive for any of the severance cases studied using the simulator; qualitatively, these rates appeared to be between 10 deg/sec and 20 deg/sec. Typical reaction was to put in the left pedal to slow or stop the yaw rate. If the loading condition and forward speed of the original trim did not permit the helicopter to be retrimmed, the simulator pilot would reduce speed until the slip rate could be reduced. This speed range corresponded to the low power requirement range: between 60 and 100 knots. Many configurations were flown back to a trimmed hover with the two remaining tail rotor blades, from which a landing could be negotiated. The higher power configurations (high weight, high altitude) could only be flown down to 30 or 40 knots before running out of tail rotor range. These cases represented loading configurations of the aircraft that would have to be landed at forward speed.

Interior View

Frontal View

Figure 30. Cockpit Simulator

RESULTS

DYNAMIC STABILITY ANALYSIS

Based on a Floquet stability analysis, a two-bladed, cross-beam tail rotor system is stable up to the maximum speed investigated (150 knots).

The least stable blade/pylon modes are the blade lead-lag mode and the third fixed system mode, both showing a damping level of approximately one-half percent. The effect of forward speed is not significant except near 150 knots where two of the fixed system modes indicate a degradation in damping level.

The blade lead-lag damping is lowered slightly by the flexibility of the hub while the flapping mode shows very little change in stability.

Modal frequency is not influenced significantly by forward speed. The blade flapping mode and one of the fixed system modes have frequencies close to each other, particularly at 150 knots, resulting in modal damping degradation. However, modal frequencies do not coalesce and vibration problems from modes interacting are not likely to occur.

Vibration and load level on the two-bladed rotor increase with forward speed, and at the highest speed investigated (150 knots) the maximum 2/rev vibration levels result in a roll moment at the gearbox-pylon attachment of 20 percent of the ultimate value. This level is acceptable to maintain flight for the 30-minute minimum following ballistic damage that has been established for the UH-60A helicopter, and to conduct a landing.

Rotor hub loads generally increase with forward speed. All shear and moment loads except the steady yaw moment load increase rapidly at forward speeds greater than 120 knots as the rotor operates increasingly in the blade stall environment. The highest roll moment loading of the gearbox-pylon attachment occurs at the 150 knot maximum forward speed investigated.

Significant increases in hub and gearbox accelerations are observed for forward speeds greater than 120 knots and the 2/rev accelerations are much higher than the 4/rev accelerations.

STRUCTURAL ACCOMMODATION

The centrifugal load resulting from loss of a full tail rotor blade applied for 0.05 second (360° rotation at 100% N_R) will result in a torsion flexure of the tailcone of approximately 0.05 inch per inch, a level not considered excessive for a single load application.

PITCH LINK ACCOMMODATION

Severing of the tail rotor blade spar of the UH-60A must be accompanied by severing of the pitch horn fitting as well to achieve clean blade separation under all blade damage conditions.

PROTOTYPE SYSTEM PERFORMANCE

The prototype system successfully met the performance requirements in all tests performed, and compatibility with the blade jettison window for the UH-60A helicopter has been verified.

FLIGHT SIMULATION ANALYSIS

Helicopter trims gathered using the GEN HEL for the UH-60A with only two tail rotor blades indicated that the helicopter can be trimmed throughout the speed range for low altitudes even at high gross weights.

At higher altitudes, power requirements increase and there are conditions near hover and high speed that cannot be trimmed. At 100% N_R there is always a speed range (between 60 and 100 knots) where helicopter trim can be effected with the two-bladed tail rotor.

In general, the aft cg location is more critical for trimming the helicopter with two tail rotor blades due to the shorter moment arm provided about the cg.

The trim cases studied at 95% N_R and 110% N_R indicate that the helicopter can be trimmed in the 60-to-100-knot speed range except for low rotor speed with high altitude conditions where altitude reduction may be necessary to achieve trim due to inadequate rotor thrust at the reduced rotor speed and density altitude.

The time history studies conducted indicate that responses of the aircraft for both the SAS OFF and the SAS ON conditions are relatively mild, and should be acceptable to the pilot.

Although the aircraft responses vary with respect to the azimuthal position at which the blade is lost (onset of the centrifugal load), all of the responses are mild and acceptable for the sweep of the values of damage examined.

FLIGHT SIMULATOR WITH PILOT-IN-THE-LOOP

Yaw rates were not excessive for any of the severance cases studied using the flight simulator, ranging between 10 and 20 degrees per second.

Following left pedal input to slow or stop the yaw rate where loading and forward speed conditions did not permit retrimming with the two-bladed tail rotor, yaw rate could be stopped and out-of-trim slip angles could be reduced by reducing speed to the low power requirement range of 60 to 100 knots.

The higher power configurations (high weight, high altitude) indicated a 30-to-40-knot minimum speed limitation, requiring run-on type landings.

CONCLUSIONS

The prototype blade jettison system developed under this program has been verified by test to meet the rotational speed requirements of the UH-60A tail rotor and, when used in conjunction with blade severance assemblies, it will initiate tail rotor blade jettison within the blade jettison window established for that helicopter.

The dynamic stability analysis performed indicates that frequencies and amplitudes of the vibrations resulting from jettison of two opposing tail rotor blades will allow continued flight for a minimum of 30 minutes.

The simulation analysis performed to assess handling qualities indicates that the helicopter is controllable following the jettison of two opposing tail rotor blades and that the pilot work load to effect recovery is anticipated to be minimal.

An examination of the capability of the UH-60A helicopter to structurally accommodate the centrifugal force generated by the loss of an entire tail rotor blade for a period of 360^{0} of rotor rotation indicates that redesign of the tail rotor drive shaft and the gearbox housing may be required.

For the UH-60A helicopter, the location of the pitch horn with respect to the point at which the blade spar is severed, necessitates that the pitch horn be severed simultaneously with the spar to prevent delayed blade jettison.

RECOMMENDATIONS

Based on the conclusions drawn from the results of the work performed under this contract, it is recommended that a follow-on ground test program be conducted that will demonstrate controlled jettison of tail rotor blades using a fully instrumented UH-60A tail cone and pylon and the prototype blade jettison system. The intent of the program would be to:

- Verify proper blade severance/jettison using full length tail rotor blades.
- Measure loads at the critical points to determine actual load levels achieved and to verify structural adequacy.
- Develop pyrotechnic devices, sized to sever UH-60A tail rotor blade spars and pitch horns.
- Prepare a failure modes and effects analysis for the blade jettison system.
- Instrument the tail rotor assembly and conduct lightning tests of the blades. Measure induced voltage levels, if present, at the logic units.

REFERENCES

1. USA Ballistic Research Laboratories Contract Report #197, December, 1974, "Rotor Balance Restoration Study".

2. Arcidiacono, P. J., Prediction of Rotor Instability at High Forward Speeds, Volume I, Steady Flight Differential Equations of Motion for a Flexible Helicopter Blade with Chordwise Mass Unbalance, Sikorsky Aircraft, USAAVLABS Technical Report 68-18A, U. S. Army Aviation Materiel Laboratories, Fort Eustis, Virginia, February, 1969, AD-685860.

3. Sikorsky Aircraft Report, SER-70545, Revision 2, May 1978, "UTTAS Aeroelastic Stability Analysis".

APPENDIX A

PROTOTYPE PERFORMANCE DATA

This appendix contains the photographically recorded data obtained from the tests conducted on the prototype blade jettison system to determine the capability of the system to meet the performance requirements of the UH-60A helicopter. The data was secured by means of Polaroid photographic equipment attached to the oscilloscope. Each of the photographs includes the oscilloscope sweep rate used to obtain the data. Each of the data is in accordance with the following key:

Trace #1: Proximity Sensor A - open condition

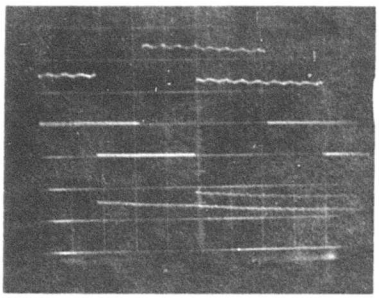
Trace #2: Proximity Sensor B - open condition

Trace #3: Proximity Sensor A - closed condition

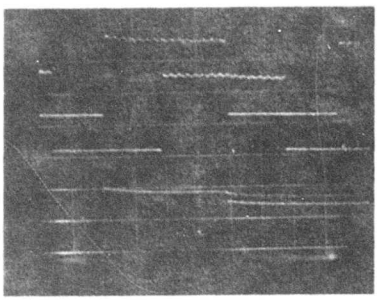
Trace #4: Proximity Sensor B - closed condition

Trace #5: EED Simulator - Blade #1 (left end is point of initiation)

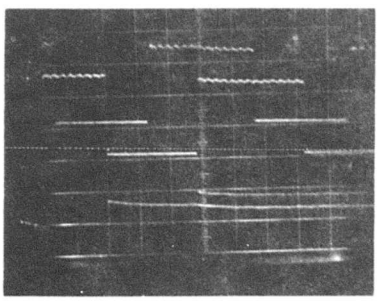
Trace #6: EED Simulator - Blade #3 (left end is point of initiation)



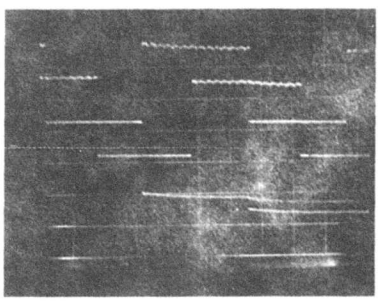
70% N_R (834 RPM) 10 ms Sweep



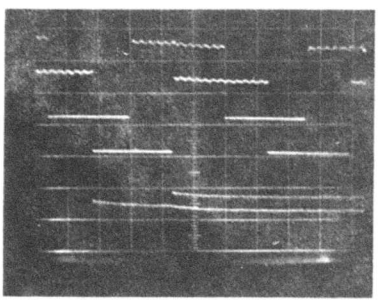
70% N_R (834 RPM) 10 ms Sweep



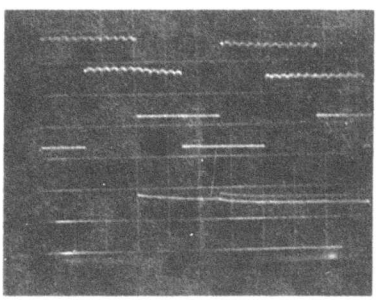
80% N_R (954 RPM) 10 ms Sweep



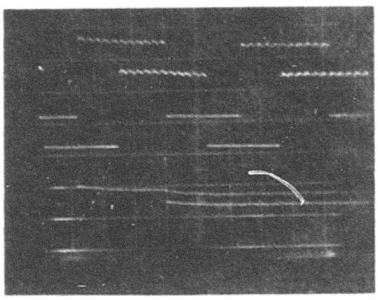
80% N_R (954 RPM) 10 ms Sweep



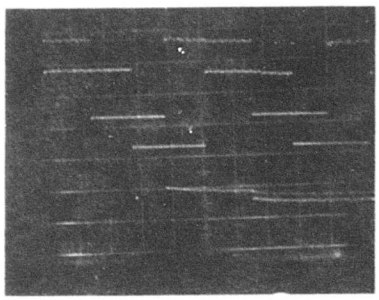
90% N_R (1073 RPM) 10 ms Sweep



90% N_R (1073 RPM) 10 ms Sweep



100% N_R (1192 RPM) 10 ms Sweep



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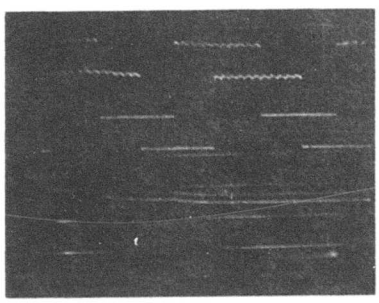

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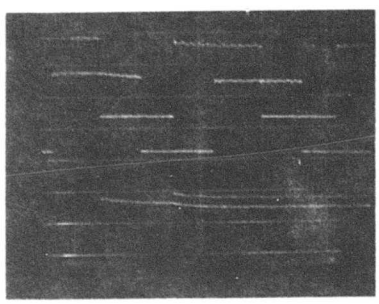

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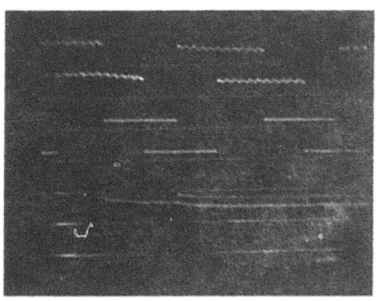

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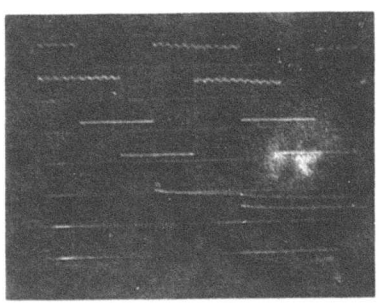

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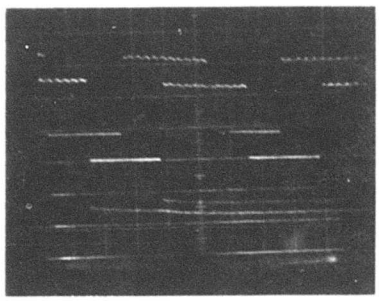

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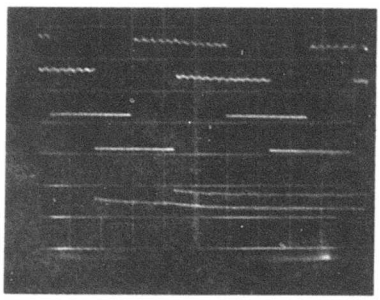

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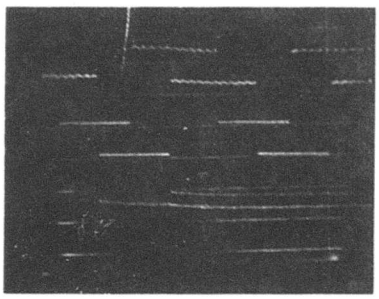

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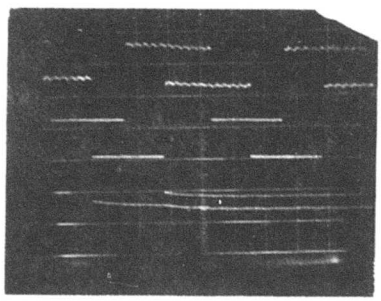

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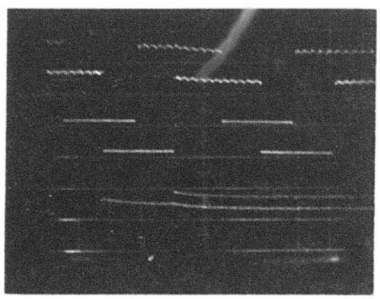

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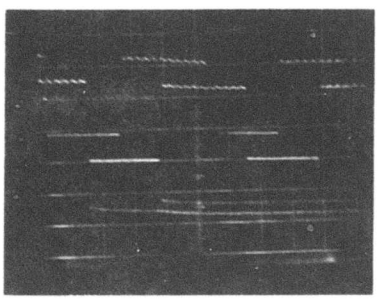

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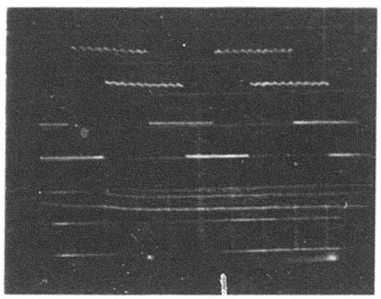
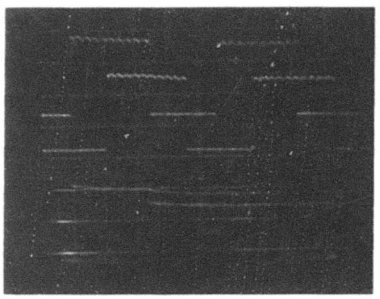


110% N_R (1311 RPM) 10 ms Sweep



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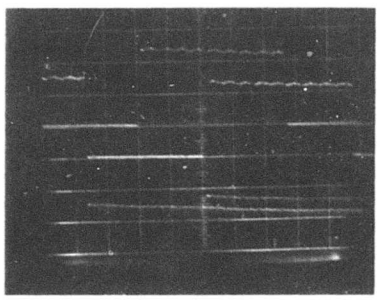
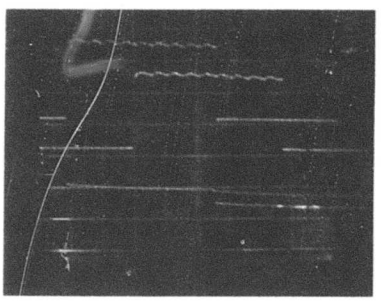


120% N_R (1430 RPM) 5 ms Sweep



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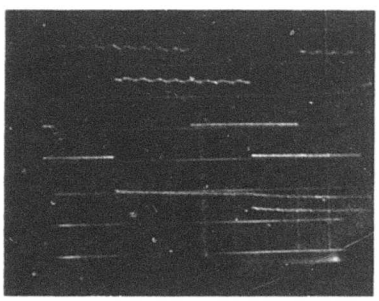
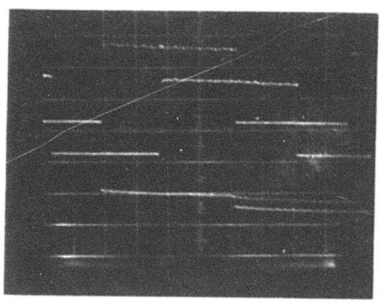
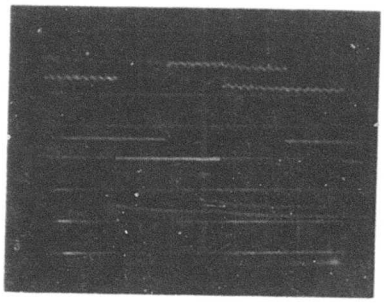


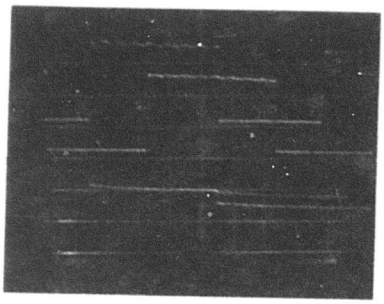
130% N_R (1550 RPM) 5 ms Sweep



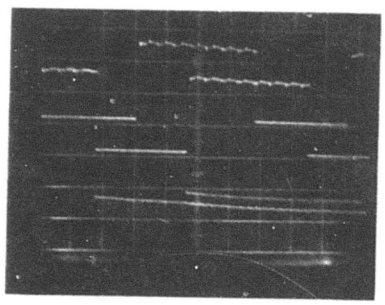
130% N_R (1550 RPM) 5 ms Sweep



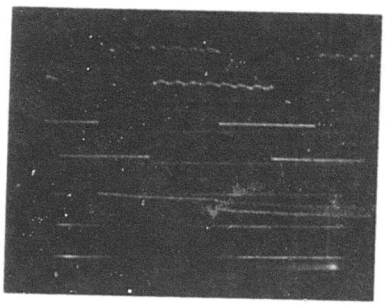
140% N_R (1669 RPM) 5 ms Sweep



140% N_R (1669 RPM) 5 ms Sweep



150% N_R (1788 RPM) 5 ms Sweep



150% N_R (1788 RPM) 5 ms Sweep

APPENDIX B

TWO-AND FOUR-BLADED TRIMS

The computer runs provided in this appendix are the two-and four-bladed trim data conducted to assess the ability of the UH-60A helicopter to achieve trim under varying density altitude, gross weight, and center-of-gravity conditions. Definitions of the symbols used are included.

SYMBOLS

WEIGHT	AIRCRAFT GROSS WEIGHT
IX	INERTIA ABOUT BODY X-AXIS LESS ROTOR, FT-LB-SEC^2
IY	INERTIA ABOUT BODY Y-AXIS LESS ROTOR, FT-LB-SEC^2
IZ	INERTIA ABOUT BODY Z-AXIS LESS ROTOR, FT-LB-SEC^2
OMEGMR	MAIN ROTOR ROTATIONAL SPEED, RAD/SEC
OMEGTR	TAIL ROTOR ROTATIONAL SPEED, RAD/SEC
KFR	ROTOR FILTER CONSTANT
FSHT	FUSELAGE STATION HORIZONTAL TAIL, IN.
LATSTK	LATERAL STICK POSITION, INTERMEDIATE CALCULATION, DEG
LNGSTK	LONGITUDINAL STICK POSITION, INTERMEDIATE CALCULATION, DEG
COLSTK	COLLECTIVE STICK POSITION, INTERMEDIATE CALCULATION, DEG
PEDAL	DIRECTIONAL CONTROL PEDAL POSITION, INTERMEDIATE CALCULATION, DEG
XAIN	LATERAL STICK POSITION, IN.
XBACTP	LONGITUDINAL STICK POSITION WITH BIAS ACTUATOR, %
VXB	BODY AXIS TRANSLATIONAL VELOCITIES, X-AXIS, FT/SEC
VYB	BODY AXIS TRANSLATIONAL VELOCITIES, Y-AXIS, FT/SEC
VZB	BODY AXIS TRANSLATIONAL VELOCITIES, Z-AXIS, FT/SEC
P	ROLL RATE, RAD/SEC
Q	PITCH RATE, RAD/SEC
R	YAW RATE, RAD/SEC
ALFWF	FUSELAGE ANGLE OF ATTACK, DEG
CHITPP	ROTOR DOWN WASH ANGLE, DEG

EKTR	DOWNWASH FACTOR OF TAIL ROTOR ON VERTICAL TAIL
QWF	DYNAMIC PRESSURE AT FUSELAGE, LB/FT^2
MUXS, MUYS, MUZS	NORMALIZED SHAFT AXIS TRANSLATIONAL VELOCITIES AT THE HUB, NORMALIZED BY ΩMR TIP SPEED
LAMBMR	MAIN ROTOR INFLOW RATIO
DWSHMR	MAIN ROTOR INDUCED DOWN WASH
XMR, YMR, ZMR	ROTOR BODY AXIS FORCES, LB
LMR	ROTOR BODY AXIS MOMENTS ABOUT THE C.G. — ROLL MOMENT, FT-LB
MMR	ROTOR BODY AXIS MOMENTS ABOUT THE C.G. — PITCHING, MOMENT FT-LB
NMR	ROTOR BODY AXIS MOMENTS ABOUT THE C.G. — YAWING MOMENT, FT-LB
XWF, YWF, ZWF	FUSELAGE BODY AXIS FORCES, LB
LWF	FUSELAGE BODY AXIS MOMENTS ABOUT THE C.G. — ROLL, FT-LB
MWF	FUSELAGE BODY AXIS MOMENTS ABOUT THE C.G. — PITCH, FT-LB
NWF	FUSELAGE BODY AXIS MOMENTS ABOUT THE C.G. — YAW, FT-LB
XHT, YHT, ZHT	HORIZONTAL TAIL BODY AXIS FORCES, LB
FSCG	FUSELAGE STATION C.G., IN.
WLCG	WATER LINE STATION C.G., IN.
RHO	AIR DENSITY, SLUGS/FT^3
TIME	TIME INTERVAL BETWEEN ROTOR CALCULATIONS, SEC

NBSS	NUMBER OF BLADES
NSSS	NUMBER OF BLADE SEGMENTS
PASCNT	NUMBER OF ROTOR CALCULATIONS FOR TRIM
SHT	HORIZONTAL TAIL AREA, FT^2
A1S	LATERAL CYCLIC PITCH, DEG
B1S	LONGITUDINAL CYCLIC PITCH, DEG
THETAØ	MAIN ROTOR COLLECTIVE PITCH AT CUFF, DEG
THETTR	RAIL ROTOR IMPRESSED COLLECTIVE PITCH @ CENTER OF ROTATION, DEG
XBIN	LONGITUDINAL STICK POSITION, WITHOUT BIAS ACTUATOR, IN.
XBACTI	LONGITUDINAL STICK POSITION, WITH BIAS ACTUATOR, IN.
THETAB	AIRCRAFT PITCH ATTITUDE, DEG
PHIB	AIRCRAFT ROLL ATTITUDE, DEG
BETAWF	AIRCRAFT SIDESLIP ANGLE, DEG
GAMC	CLIMB ANGLE, DEG
OMGRAT	RATIO OF ACTUAL TO TRIMMED ROTOR SPEED
PSIDOT	EULER ANGLE YAW RATE, DEG/SEC
EKTX	MAIN ROTOR DOWNWASH FACTOR AT HORIZONTAL TAIL IN BODY X-AXIS
EKTZ	MAIN ROTOR DOWNWASH FACTOR AT HORIZONTAL TAIL IN BODY Z-AXIS
EPSWT	FUSELAGE DOWNWASH ANGLE AT HORIZONTAL TAIL, DEG
KQHT	SQUARE ROOT OF DYNAMIC PRESSURE RATIO AT HORIZONTAL TAIL
CTSIG	MAIN ROTOR THRUST COEFFICIENT SOLIDITY RATIO
CHSIG	MAIN ROTOR H-FORCE COEFFICIENT SOLIDITY RATIO
CQHSIG	MAIN ROTOR TORQUE COEFFICIENT SOLIDITY RATIO
NZ	LOAD FACTOR ALONG THE AIRCRAFT Z-AXIS

VC	RATE OF CLIMB, FT/MIN
HBAR	MAIN ROTOR H-FORCE, LB
JBAR	MAIN ROTOR SIDEFORCE, LB
TBAR	MAIN ROTOR THRUST, LB
LBARH	MAIN ROTOR ROLL MOMENT, FT-LB
MBARH	MAIN ROTOR PITCH MOMENT, FT-LB
QBAR	MAIN ROTOR TORQUE MOMENT, FT-LB

} SHAFT AXIS

XT	EMPENNAGE X-FORCE (VERTICAL + HORIZONTAL TAIL) IN BODY AXIS, LB
YT	EMPENNAGE Y-FORCE (VERTICAL + HORIZONTAL TAIL) IN BODY AXIS, LB
ZT	EMPENNAGE Z-FORCE (VERTICAL + HORIZONTAL TAIL) IN BODY AXIS, LB
LT	EMPENNAGE ROLL MOMENT (VERTICAL + HORIZONTAL TAIL) IN BODY AXIS, FT-LB
MT	EMPENNAGE PITCH MOMENT (VERTICAL + HORIZONTAL TAIL) IN BODY AXIS, FT-LB
NT	EMPENNAGE YAW MOMENT (VERTICAL + HORIZONTAL TAIL) IN BODY AXIS, FT-LB
XVT	VERTICAL TAIL X-FORCE IN BODY AXIS, LB
YVT	VERTICAL TAIL Y-FORCE IN BODY AXIS, LB
ZVT	VERTICAL TAIL Z-FORCE IN BODY AXIS, LB
V	AIRSPEED, KTS
DELS	SWASH PLATE ROTATION, DEG
VSOUND	SPEED OF SOUND, FT/SEC
DEL3MR	MAIN ROTOR DELTA 3 ANGLE, DEG
TWSTMR	MAIN ROTOR TWIST, DEG
TWSTTR	TAIL ROTOR TWIST, DEG
WLHT	WATER LINE HORIZONTAL TAIL, IN.

SVT	VERTICAL TAIL AREA, FT^2
IHT	HORIZONTAL TAIL INCIDENCE, DEG
IS	SHAFT ANGLE INCIDENCE, POSITIVE FWD, DEG
TH75MR	MAIN ROTOR COLLECTIVE PITCH AT .75 RADIUS, DEG
TH75TR	TAIL ROTOR COLLECTIVE PITCH AT .75 RADIUS, DEG
XCIN	COLLECTIVE STICK POSITION, IN.
RSTR	YAW ACCELERATION AT TAIL ROTOR, SHAFT AXIS, RAD/SEC^2
AAØF	FOURIER SERIES COEFFICIENT FOR MAIN ROTOR
AA1F	FLAPPING, NEGATIVE SERIES, DEG
BB1F	
AAØL	FOURIER SERIES COEFFICIENT FOR MAIN ROTOR
AA1L	LAGGING, NEGATIVE SERIES, DEG
BB1L	
EKWFX	MAIN ROTOR DOWNWASH FACTOR AT FUSELAGE, BODY X-AXIS
EKWFZ	MAIN ROTOR DOWNWASH FACTOR AT FUSELAGE, BODY Z-AXIS
SIGWT	FUSELAGE SIDEWASH ANGLE AT VERTICAL TAIL, DEG
KQVT	SQUARE ROOT OF DYNAMIC PRESSURE RATIO AT VERTICAL TAIL, DEG
TTR	TAIL ROTOR THRUST, LB
HPMR	HORSE POWER MAIN ROTOR
KTRBLK	TAIL ROTOR BLOCKAGE FACTOR
VXBDOT	BODY AXIS ACCELERATION AT C.G. IN X-AXIS, FT/SEC^2
VYBDOT	BODY AXIS ACCELERATION AT C.G. IN Y-AXIS, FT/SEC^2
VZBDOT	BODY AXIS ACCELERATION AT C.G. IN Z-AXIS, FT/SEC^2
PDOT	AIRCRAFT ROLL ACCELERATION, RAD/SEC^2
QDOT	AIRCRAFT PITCH ACCELERATION, RAD/SEC^2
RDOT	AIRCRAFT YAW ACCELERATION, RAD/SEC^2

XTR	TAIL ROTOR FORCE IN X-AXIS, LB
YTR	TAIL ROTOR FORCE IN Y-AXIS, LB
ZTR	TAIL ROTOR FORCE IN Z-AXIS, LB
LTR	TAIL ROTOR ROLL MOMENT ABOUT BODY X-AXIS, FT-LB
MTR	TAIL ROTOR PITCH MOMENT ABOUT BODY Y-AXIS, FT-LB
NTR	TAIL ROTOR YAW MOMENT ABOUT BODY Z-AXIS, FT-LB
ALFHTT	LOCAL ANGLE OF ATTACK OF HORIZONTAL TAIL
ALFVTT	LOCAL ANGLE OF ATTACK OF VERTICAL TAIL
AABB1F	$\sqrt{(AA1F)^2 + (BB1F)^2}$
PSITR2	AZIMUTH POSITION OF TR BLADE NUMBER 2, DEG
VXSTR.	LINEAR ACCELERATION AT TAIL ROTOR IN TAIL ROTOR SHAFT X-AXIS, FT/SEC^2
VYSTR.	LINEAR ACCELERATION AT TAIL ROTOR IN TAIL ROTOR SHAFT Y-AXIS, FT/SEC^2
VZSTR.	LINEAR ACCELERATION AT TAIL ROTOR IN TAIL ROTOR SHAFT Z-AXIS, FT/SEC^2
PSTR.	AIRCRAFT ROLL ANGLULAR ACCELERATIONS AT TAIL ROTOR IN SHAFT AXIS
WLVT	WATERLINE VERTICAL TAIL
FSVT	FUSELAGE STATION VERTICAL TAIL
XA	LATERAL STICK POSITION, %
XB	LONGITUDINAL STICK POSITION, %
XC	COLLECTIVE STICK POSITION, %
XP	PEDAL POSITION, %
XPIN	PEDAL POSITION IN INCHES
PSTR	AIRCRAFT ROLL ANGULAR ACCELERATIONS AT TAIL ROTOR IN TR SHAFT AXIS, RAD/SEC^2

QSTR	AIRCRAFT PITCH ANGLULAR ACCELERATIONS AT TAIL ROTOR IN TR SHAFT AXIS, RAD/SEC^2
RSTR	AIRCRAFT YAW ANGULAR ACCELERATIONS AT TAIL ROTOR IN TR SHAFT AXIS, RAD/SEC^2
TITR	TAIL ROTOR INERTIA THRUST (SHAFT AXIS), LB
HITR	TAIL ROTOR INERTIA H-FORCE (SHAFT AXIS), LB
JITR	TAIL ROTOR INERTIA J-FORCE (SHAFT AXIS), LB
MHITR	TAIL ROTOR INERTIA HUB PITCHING MOMENT (MOMENT ABOUT SHAFT Y AXIS), FT-LB
LHITR	TAIL ROTOR INERTIA HUB ROLLING MOMENT (MOMENT ABOUT SHAFT X AXIS), FT-LB
QHITR	TAIL ROTOR INERTIA HUB YAW MOMENT (MOMENT ABOUT SHAFT Z AXIS), FT-LB
XITR	TR INERTIA X-FORCE (BODY AXIS), LB
YITR	TR INERTIA Y-FORCE (BODY AXIS), LB
ZITR	TR INERTIA Z-FORCE (BODY AXIS), LB
LITR	TR INERTIA ROLL MOMENT (BODY AXIS), FT-LB
MITR	TR INERTIA PITCH MOMENT (BODY AXIS), FT-LB
NITR	TR INERTIA YAW MOMENT (BODY AXIS), FT-LB
AXP	LONGITUDINAL ACCELERATION AT PILOT'S LOCATION, FT/SEC^2
AYP	LATERAL ACCELERATION AT PILOT'S LOCATION, FT/SEC^2
AZP	VERTICAL ACCELERATION AT PILOT'S LOCATION, FT/SEC^2
VXP	LONG. VEL AT PILOT'S LOCATION (ALONG BODY X-AXIS), FT/SEC
VYP	LATERAL VELOCITIE AT PILOT'S LOCATION (ALONG BODY Y-AXIS), FT/SEC
VZP	VERTICAL VELOCIT Y AT PILOT'S LOCATION (ALONG BODY Z-AXIS), FT/SEC
RSTR.	YAW ACCELERATION AT TAIL ROTOR, SHAFT AXIS, RAD/SEC^2
PSIDMG	AZIMUTH SELECTED FOR DAMAGE OCCURANCE, DEG

BTR	NUMBER OF TAIL ROTOR BLADES
MADD	AUXILIARY PITCHING MOMENT (BODY AXIS SYSTEM), FT-LB
XADD	AUXILIARY X-FORCE (BODY AXIS SYSTEM), LB
YADD	AUXILIARY Y-FORCE (BODY AXIS SYSTEM), LB
ZADD	AUXILIARY Z-FORCE (BODY AXIS SYSTEM), LB
NADD	AUXILIARY YAWING MOMENT (BODY AXIS SYSTEM), FT-LB
LADD	AUXILIARY ROLLING MOMENT (BODY AXIS SYSTEM), FT-LB

WEIGHT	19900.0	FSCG	360.20000	V	40.0	PSIIR2	0.0
IX	6269.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	36224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019449	NBSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KPR	15.0	PASLNT	692.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-2.1106300	AIS	-3.0734614	IMT	31.582001	XA	36.888562
LNGSTK	5.9079498	BIS	4.4315940	IS	-3.0	XB	28.911837
COLSTK	19.827877	THETAB	19.827877	TH75MR	9.7478772	XC	58.424233
PEDAL	20.617620	THETTR	31.835081	TH75TR	18.535081	XP	24.446582
XAIN	3.6888562	XBIN	2.8911837	XCIN	5.8424233	XPIN	1.3280811
XBACTP	35.518725	XBALTI	3.5518725	RSTR.	0.0	PSTR	0.0
VXB	67.389674	THETAB	4.4918113	AA0F	4.3234276	QSTR	0.0
VYB	0.0	PHIB	-1.5037698	AA1F	-2.2735399	RSTR	0.0
VZB	5.2942291	BETAWF	0.0	BB1F	-0.33871902	TITR	0.0
P	0.0	GAML	0.0	AA0L	-6.5007754	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.28154563	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.84644779E-1	MMITR	0.0
ALFWF	-18.018196	EKTX	0.96973353	EKWPX	0.69240182	LMITR	0.0
CMITPP	62.492448	EKTZ	2.0277043	EKWPZ	1.0358151	QMITR	0.0
EKTH	0.0	EPSMT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	7.9526186	KQMT	0.93516002	KQVT	0.84852813	YITR	0.0
MUXS	0.95205697E-1	CTSIG	0.11161442	LTOT	-31.028581	ZITR	0.0
MUYS	0.0	CMSIG	-0.36497394E-2	DTOT	30.011919	LITR	0.0
MUZS	0.24274421E-2	CQMSIG	0.94369289E-6	TTR	1161.9499	MITR	0.0
LAMBMR	-0.43956306E-1	NZ	0.99655093	HPMR	1707.3339	NITR	0.0
OWSHMR	0.46357748E-1	VC	0.13353824	KTRBLK	1.0	AXP	2.5297583
XMR	1619.7477	HBAR	-623.21614	VXBDOT	0.10844655E-1	AYP	0.91320406
YMR	-544.39954	JBAR	544.39954	VYBDOT	0.27048060E-1	AZP	-32.061928
ZMR	-18496.655	TBAR	19058.871	VZBDOT	-0.26583808E-2	VXP	67.389674
LMR	-6651.1029	LBARH	-1585.3965	PDOT	0.15501459E-2	VYP	0.0
MMR	15624.022	MBARM	-6069.2918	QDOT	0.18375886E-3	VZP	5.2942291
NMR	35721.359	QBAR	34753.262	RDOT	0.12604034E-2	RSTR.	0.0
XWF	-150.63985	XT	32.240909	XTR	0.0	PSIDMG	0.0
YWF	0.0	YT	-5.5832411	YTR	1091.9569	BTR	2.0
ZWF	308.48264	ZT	65.449772	ZTR	-397.44061	MADD	0.0
LWF	0.0	LT	-12.422711	LTR	6670.4382	XADD	0.0
MWF	-5195.0140	MT	1892.6683	MTR	-12314.034	YADD	0.0
NWF	0.0	NT	155.77242	NTR	-33832.466	ZADD	0.0
XMT	33.636883	XVT	-1.3959737	ALFMTT	-1.9617445	NADD	0.0
YMT	0.0	YVT	-5.5832411	ALFVTT	0.0	LADD	0.0
ZMT	64.524237	ZVT	0.92553544	AABB1F	2.2986331		

WEIGHT	19980.0	PSCG	347.0	V	48.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTH	-18.0	WLVT	273.0
KFR	13.0	PASCNT	2070.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	1.7713119	A1S	1.0214875	IMT	33.282421	XA	61.078700
LNGSTK	4.2616266	B1S	-0.33549594	IS	-3.0	XB	34.941248
COLSTK	17.760431	THETAS	17.760431	THTSMR	7.6004314	XC	45.502697
PEDAL	29.436000	THETTR	37.5	THTSTR	24.0	XP	0.0
XAIN	0.10700699	XBIN	3.4941200	XCIN	0.55002697	XPIN	0.0
XBACTP	39.947889	XBACTI	3.9947889	RSTR.	0.0	PSTR	0.0
VXB	67.594985	THETAB	0.27052983	AABF	3.8938599	QSTR	0.0
VYB	103.49543	PHIB	5.6486344	AA1F	4.5823838	RSTR	0.0
VZB	0.32858288	BETAWF	50.249247	BB1F	-0.93397378	YITR	0.0
P	0.0	GAMC	0.0	AABL	-3.2546704	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	-0.95068238E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.45149101	MMITR	0.0
ALFWF	-12.736494	EKTX	1.0697143	EKWFX	0.05892052	LMITR	0.0
CMITPP	76.266230	EKTZ	2.1495279	EKWFZ	1.0137337	QMITR	0.0
EKTR	0.0	EPSWT	1.7999999	SIGWT	2.0	XITR	0.0
QWF	15.054055	KQMT	0.87177979	KQVT	1.0	YITR	0.0
MUXS	0.93130024E-1	CTSIG	0.10000697	ETOT	10.432414	ZITR	0.0
MUYS	0.14276284	CMSIG	0.66045236E-2	DTOT	64.884462	LITR	0.0
MUZS	-0.44271318E-2	COMSIG	0.84992933E-6	TTR	862.61370	MITR	0.0
LAMBMR	-0.30692736E-1	NZ	0.99498382	MPMN	943.89963	NITR	0.0
DWBMMR	0.26265604E-1	VC	-611.80005	KTRBLK	1.0	AXP	0.15006934
XMR	-178.09275	MBAR	1127.7642	VXBDOT	0.12903007E-2	AYP	-3.1863458
YMR	-822.90874	JBAR	822.90874	VYBDOT	-0.25505491E-1	AZP	-32.012104
ZMR	-10147.818	TBAR	10115.822	VZBDOT	0.23370113E-2	VXP	67.594985
LMR	-9593.4003	LBARM	-3602.5020	PDOT	0.16200020E-2	VYP	103.49543
MMR	21402.933	MBARM	11195.409	QDOT	-0.47363997E-4	VZP	0.32858288
NMR	10561.000	QBAR	19197.869	RDOT	-0.73067649E-3	RSTR.	0.0
XWF	166.06534	XT	105.57302	XTR	0.0	PSIDMG	0.0
YWF	-1510.6000	YT	-370.75642	YTR	810.65200	BTR	2.0
ZWF	-287.10148	ZT	-342.28503	ZTR	-295.85377	MADD	0.0
LWF	5435.7302	LT	-782.54052	LTR	4952.0303	XADD	0.0
MWF	-1267.4718	MT	-10671.123	MTR	-9466.3083	YADD	0.0
NWF	-3342.9770	NT	10757.886	NTR	-26000.418	ZADD	0.0
XMT	-126.85614	XVT	232.42997	ALFMTT	4.8861331	NADD	0.0
YMT	-13.043056	YVT	-457.71256	ALFVTT	56.229334	LADD	0.0
ZMT	-217.84994	ZVT	-125.23509	AABB1F	4.5982351		

WEIGHT	19900.0	PSCG	347.0	V	150.0	PSITR2	0.0
IX	6200.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41507.0	RMO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBBS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	124.62000	NSSB	5.0	TWSITR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	2723.0	WLMT	234.0	PSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTK	-0.11035919	AIB	-1.2841795	IMT	9.7867363	XA	49.310255
LNGSTK	10.001777	BIB	6.5982689	IB	-3.0	XB	14.658029
COLSTK	21.076314	THETAB	21.076314	TM7SMR	11.796314	XC	71.226965
PEDAL	29.436000	THETTR	37.5	TM7STR	24.0	XP	0.0
XAIN	4.9310255	XBIN	1.4658029	XCIN	7.1226965	XPIN	0.0
XBACTP	9.3971197	XBACTI	0.93971197	RSTW.	0.0	PSTW	0.0
VXB	252.22549	THETAB	-5.7525328	AABP	3.8410218	QSTR	0.0
VYB	81.445359	PHIB	13.383862	AAIP	3.2410725	RSTR	0.0
VZB	-25.409888	BETAWP	17.204977	BBIP	-0.91955432	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-7.3666846	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.62288986E-1	JITR	0.0
R	0.0	PBIDOT	0.0	BB1L	-0.27204816	MMITR	0.0
ALPWP	-7.5544977	EKTX	1.0526916	EKWPX	0.93211834	LMITR	0.0
CHITPP	82.478827	EKTZ	1.9784972	EKWPZ	1.0075299	QMITR	0.0
EKTR	0.0	EPSWT	0.93229863	SIGWT	1.8448995	XITR	0.0
QWP	66.389572	KQWT	0.87177979	KQVT	0.76271840	YITM	0.0
MUXS	0.34538466	CTSIG	0.10812291	LTOT	0.11778092	ZITR	0.0
MUYS	0.11234670	CMSIG	0.93353089E-2	DTOT	36.355397	LITR	0.0
MUZS	-0.53280268E-1	CQMSIG	0.83839612E-6	TTR	1388.5541	MITR	0.0
LAMBMR	-0.65723382E-1	NZ	0.98888825	MPMR	1989.0840	NITM	0.0
DWBMMR	0.12515841E-1	VC	-1177.3859	KTRBLK	1.0	AXP	-3.4836341
XMR	-625.52895	MBAR	1594.8618	VXBDOT	0.15257655E-2	AYP	-9.1274428
YMR	-1229.4669	JBAR	1229.4669	VYBDOT	-0.11885768E-1	AZP	-31.168847
ZMR	-18519.361	TBAR	18462.673	VZBDOT	-0.20837426E-1	VXP	252.22549
LMR	-19184.219	LBARM	-5715.4385	PDOT	-0.53139168E-2	VYP	81.445359
MMR	21526.181	MBARM	8468.8621	QDOT	-0.52513834E-2	VZP	-25.409888
NMR	39511.119	QBAR	40488.387	RDOT	0.45517618	RSTR.	0.0
XWP	-1518.9294	XT	224.84672	XTR	0.0	PSIUMG	0.0
YWP	-3275.4472	YT	-1186.9315	YTR	1229.7388	BTR	2.0
ZWP	192.38868	ZT	295.85887	ZTR	-447.38681	MADD	0.0
LWP	9148.1868	LT	-2555.4871	LTR	7512.8529	XADD	0.0
MWP	-15732.638	MT	8348.1854	MTR	-14368.851	YADD	0.0
NWP	-10481.523	NT	33834.972	NTR	-39453.839	ZADD	0.0
XMT	35.881254	XVT	188.24547	ALPHTT	-1.9832661	NADD	0.0
YMT	-12.346378	YVT	-1194.1851	ALPVTT	20.848188	LADD	0.0
ZMT	334.88826	ZVT	-38.949389	AABBIP	3.3689956		

WEIGHT	19900.0	PSCG	347.0	V	40.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELB	-5.0	VXBTR.	0.0
IY	41587.0	RMO	0.17500000E-2	VSOUND	1077.0	VYBTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELBMR	0.0	VZBTR.	0.0
OMEGMR	27.819999	NBBB	4.0	THBTMR	-10.0	PBTR.	0.0
OMEGTR	124.62000	NSBS	5.0	THBTTR	-10.0	WLVT	273.0
KFR	15.0	PABCNT	650.0	WLMT	236.0	PSVT	695.0
FBMT	700.40000	BMT	45.0	BVT	32.300000	QBTR.	0.0
LATBTK	-1.6519814	AIB	-2.0142400	IMT	31.832472	XA	39.675016
LNGBTK	2.1556702	BIB	0.75175139	IB	-3.0	XB	42.382798
COLBTK	19.823151	THETAB	19.823151	TH75MR	9.7431513	XC	50.394696
PEDAL	28.130203	THETTR	31.349985	TH75TR	17.849985	XP	25.775660
XAIN	3.9675616	XBIN	4.2382709	XCIN	5.8398896	XPIN	1.3918494
XBACTP	47.591939	XBACTI	4.7591938	RBTR.	0.0	PBTR	0.0
VXB	67.585355	THETAB	0.81355204	AABP	4.3466358	QBTR	0.0
VYB	0.0	PHIB	-1.1868198	AA1P	1.7007909	RBTR	0.0
VZB	0.95975095	BETAWP	0.0	BB1P	-0.27385183E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-6.1445566	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.15283855	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.20228731	MMITR	0.0
ALFWP	-28.028439	EKTX	0.85664048	EKWPX	0.71005732	LMITR	0.0
CHITPP	63.058564	EKTZ	2.1418453	EKWPZ	1.0322988	QMITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWP	0.2257552	KQMT	0.97402531	KQVT	0.84852813	YITR	0.0
MUXB	0.93162324E-1	CTSIG	0.11247863	LTOT	-35.096696	ZITR	0.0
MUYB	0.0	CMSIG	0.41818714E-2	DTOT	31.713559	LITR	0.0
MUZB	-0.35578567E-2	CQMSIG	0.94875864E-6	TTR	1121.8268	MITR	0.0
LAMBMR	-0.49222897E-1	NZ	0.99934097	MPMR	1673.4533	NITR	0.0
DWBMMR	0.45665848E-1	VC	0.10193878E-1	KTRBLK	1.0	AXP	0.42153644
XMR	292.17495	MBAR	713.94445	VXBDOT	-0.35117227E-1	AYP	0.69464945
YMR	-634.94843	JBAR	634.94843	VYBDOT	0.29868164E-1	AZP	-32.152862
ZMR	-19214.626	TBAR	19205.873	VZBDOT	0.40686394E-2	VXP	67.585355
LMR	-6425.2177	LBARM	-854.88764	PDOT	-0.23157158E-3	VYP	0.0
MMR	12799.661	MBARM	4861.3873	QDOT	0.87618698E-5	VZP	0.95975095
NMR	33649.663	QBAR	34863.633	RDOT	0.28996624E-3	RBTR.	0.0
XWP	-146.18739	XT	184.18817	XTR	0.0	PSIDMG	0.0
YWP	0.0	YT	-5.5772977	YTR	1853.5001	BTR	2.0
ZWP	360.59285	ZT	162.85687	ZTR	-383.44343	MADD	0.0
LWP	0.0	LT	-12.409487	LTR	6435.5169	XADD	0.0
MWP	-5388.4171	MT	4883.2636	MTR	-12382.143	YADD	0.0
NWP	0.0	NT	181.74163	NTR	-33799.795	ZADD	0.0
XMT	185.52813	XVT	-1.3399675	ALFMTT	-4.9514746	NADD	0.0
YMT	0.0	YVT	-5.5772977	ALFVTT	0.0	LADD	0.0
ZMT	181.85583	ZVT	1.8818485	AABB1P	1.7010114		

WEIGHT	19900.0	FSCG	347.0	V	40.0	PSITR2	0.0
IX	6260.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17588888E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBBS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSBS	5.0	THSITR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	800.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.6500535	A1S	-2.6134893	IMT	31.847129	XA	39.687165
LNGSTK	3.2922848	B1S	0.74925965	IS	-3.0	XB	38.366484
COLSTK	19.033745	THETAS	19.033745	THTSMR	9.7537459	XC	58.488913
PEDAL	24.230567	THETTR	35.455862	THTSTR	21.955862	XP	14.438672
XAIN	3.9687165	XBIN	3.8366484	XCIN	5.8488912	XPIN	0.77923686
XBACTP	43.548776	XBACTI	4.3548776	RSTR.	0.0	PSTR	0.0
VXB	67.586627	THETAB	0.74287536	AABF	4.3482887	QSTR	0.0
VYB	0.0	PHIB	-1.2244488	AAIF	1.7855691	RSTR	0.0
VZB	0.87637338	BETAWF	0.0	BBIF	-0.28426647E-1	TITR	0.0
P	0.0	GAMC	0.0	AABL	-6.1598849	MITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.19286949	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	-0.28259296	MMITR	0.0
ALFWF	-28.877173	EKTX	0.85535889	EKWFX	0.78944886	LMITR	0.0
CHITPP	63.883759	EKTZ	2.1488577	EKWFZ	1.0323924	QMITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.2265385	KQMT	0.97587524	KQVT	0.84852813	YITR	0.0
MUXS	0.93158058E-1	CTSIG	0.11249199	LTOT	-39.262398	ZITR	0.0
MUYS	0.0	CMSIG	0.41805576E-2	DTOT	31.771864	LITR	0.0
MUZS	-0.36719948E-2	CQMSIG	0.94918196E-6	TTR	1123.3193	MITR	0.0
LAMBMR	-0.49327081E-1	NZ	0.99945942	MPMM	1677.3458	NITR	0.0
DWSMMR	0.45655086E-1	VC	0.17139762E-1	KTRBLK	0.79599999	AXP	0.42335179
XMR	292.45341	MBAR	713.85673	VXBDOT	0.64518299E-2	AYP	0.69634766
YMR	-635.85721	JBAR	635.85721	VYBDOT	0.18832393E-1	AZP	-32.156622
ZMR	-19218.263	TBAR	19268.721	VZBDOT	0.54872947E-3	VXP	67.586627
LMR	-6437.0859	LBARM	-856.26862	PDOT	0.82685586E-4	VYP	0.0
MMR	12812.855	MBARM	4874.4168	QDOT	-0.13632999E-4	VZP	0.87637338
NMR	33728.285	QBAR	34142.866	RDOT	0.59619627E-3	RSTR.	0.0
XWF	-145.87878	XT	184.78379	XTR	0.0	PSIDMG	0.0
YWF	0.0	YT	-5.3773981	YTR	1895.6533	BTR	2.0
ZWF	362.19378	ZT	162.61581	ZTR	-384.22714	MADD	0.0
LWF	0.0	LT	-12.489711	LTR	6448.6782	XADD	0.0
MWF	-5386.3942	MT	4988.2589	MTR	-12327.287	YADD	0.0
NWF	0.0	NT	181.74454	NTR	-33868.877	ZADD	0.0
XMT	186.84528	XVT	-1.3394118	ALFMTT	-4.9698531	NADD	0.0
YMT	0.0	YVT	-5.3773981	ALFVTT	0.0	LADD	0.0
ZMT	181.61318	ZVT	1.0026289	AABBIF	1.7858868		

WEIGHT	19900.0	FSCG	347.0	V	1.0E-2	PSITR2	0.0
IX	6268.0	WLCG	240.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NOBS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	124.02000	NSBS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1631.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	0.39602424	A1S	-0.71475489	IMT	34.0	XA	52.488151
LNGSTK	2.0365976	B1S	-1.5421012	IS	-3.0	XB	42.003541
COLSTK	21.272030	THETAS	21.272030	THTSMR	11.192030	XC	67.458198
PEDAL	29.430000	THETTR	37.9	THTSTR	24.0	XP	0.0
XAIN	5.2488151	XBIN	4.2883541	XCIN	6.7458198	XPIN	0.0
XBACTP	48.386436	XBACTI	4.8386435	RSTR.	0.0	PSTR	0.0
VXB	0.16892660E-1	THETAB	1.5865652	AABP	4.3696401	QSTR	0.0
VYB	0.0	PHIB	-1.9283386	AA1F	1.6033212	RSTR	0.0
VZB	0.46791953E-3	BETAWF	0.0	BB1F	-0.79488935	TITR	0.0
P	0.0	GAMC	0.0	AABL	-7.9998186	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	-0.18034130	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.95750331E-1	MMITR	0.0
ALFWF	-85.774881	EKTX	-0.47997888	EKWFX	0.13497858E-1	LMITR	0.0
CMITPP	1.6872313	EKTZ	0.59832589	EKWFZ	0.10728267	QMITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.76192919E-1	KQWT	1.0	KQVT	0.84852813	YITR	0.0
MUXS	0.23382248E-4	CTSIG	0.18971685	LTOT	-70.0	ZITR	0.0
MUYS	0.0	CMSIG	0.28812288E-2	DTOT	45.879999	LITR	0.0
MUZS	-0.57498767E-6	CWMSIG	0.95377986E-6	TTR	1134.8988	MITR	0.0
LAMBMR	-0.68547683E-1	NZ	0.99986922	HPMR	2165.0455	NITR	0.0
DWSHMR	0.68547188E-1	VC	0.14349287E-4	KTRBLK	0.79599999	AXP	0.78862638
XMR	489.19528	MBAR	491.98659	VXBDOT	0.06371657E-3	AYP	0.19896122
YMR	-426.96853	JBAR	426.96853	VYBDOT	0.24698559E-3	AZP	-32.144231
ZMR	-18733.329	TBAR	18734.711	VZBDOT	-0.89298551E-4	VXP	0.16892660E-1
LMR	-7879.2023	LBARM	-2227.6661	PDOT	-0.32586875E-3	VYP	0.0
MMR	11069.805	MBARM	4549.1781	QDOT	-0.11617916E-4	VZP	0.46791953E-3
NMR	43674.585	QBAR	44878.136	RDOT	0.24738587	RSTR.	0.0
XWF	5.8658947	XT	34.751130	XTR	0.0	PSIDMG	0.0
YWF	0.0	YT	-0.34868872E-6	YTR	1866.5278	BTR	2.0
ZWF	3.8184643	ZT	47.462951	ZTR	-388.18513	MADD	0.0
LWF	0.0	LT	-0.77565442E-6	LTR	6515.8991	XADD	0.0
MWF	-48.619889	MT	1433.4838	MTR	-12454.272	YADD	0.0
NWF	0.0	NT	0.10189652E-4	NTR	-34217.767	ZADD	0.0
XMT	34.751131	XVT	-0.65414968E-7	ALFMTT	-17.279165	NADD	0.0
YMT	0.0	YVT	-0.34868872E-6	ALFVTT	0.0	LADD	0.0
ZMT	47.462951	ZVT	0.81598511E-7	AABBIF	1.8431536		

WEIGHT	19900.0	FSCG	347.0	V	1.0E+2	PSITRZ	0.0
IX	6260.0	WLCG	246.29999	DELS	-5.0	VXSTR,	0.0
IY	41587.0	RHO	0.17588888E-2	VSOUND	1077.0	VYSTR,	0.0
IZ	38224.0	TIME	0.20888888E-1	DELSMR	0.0	VZSTR,	0.0
OMEGMR	27.819999	NBSS	4.0	THSTMR	-10.0	PSTR,	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	4432.0	WLMT	234.0	FSVT	695.0
FSMT	700.48888	SMT	45.0	SVT	32.388888	QSTR,	0.0
LATSTK	-1.1178125	AIS	-2.1662586	IMT	29.111844	XA	43.818671
LNGSTK	0.46684428	BIS	-3.2874154	IS	-3.0	XB	48.358373
COLSTK	28.666855	THETAB	28.666855	TM7SMR	18.586855	XC	63.667844
PEDAL	29.436888	THETTR	37.5	TM7STR	24.0	XP	0.0
XAIN	4.3818671	XBIN	4.8358373	XCIN	6.3667843	XPIN	0.0
XBACTP	53.594721	XBACTI	5.3594721	RSTR,	0.0	PSTR	0.0
VXB	0.16895922E+1	THETAB	0.98618833	AA0P	4.2987868	QSTR	0.0
VYB	-34.178771	PHIB	-2.8848477	AA1P	1.7875893	RSTR	0.0
VZB	0.26725624E+3	BETAWP	+75.457148	BB1P	+1.8544869	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-7.4813628	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	+0.78816591E+1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.30188183E-1	MMITR	0.0
ALPWP	-85.769437	EKTX	-0.48811128	EKWPX	0.14512166E+1	LMITR	0.0
CHITPP	1.8140288	EKTZ	0.61333291	EKWPZ	0.28135638	QMITR	0.0
EKTR	0.0	EPSNT	+0.59999999	SIGNT	+2.0	XITR	0.0
QWP	1.8989686	KQMT	1.0	KQVT	0.97467943	YITR	0.0
MUXS	0.23291979E+8	CTSIG	0.10875413	LTOT	+40.0	ZITR	0.0
MUYS	-0.47146685E-1	CMSIG	0.47185023E-2	QTOT	83.579999	LITR	0.0
MUZS	+0.85168519E+8	COMSIG	0.93655062E+8	TTR	833.57356	MITR	0.0
LAMBMR	-0.60584954E-1	NZ	0.98981278	HPMR	2817.8531	NITR	0.0
DWSMMR	0.60584182E+1	VC	+183.18288	RTRBLK	0.79599999	AXP	0.11585129
XMR	167.32588	MBAR	805.71419	VXBDOT	-0.94778633E+2	AYP	-1.8495971
YMR	+437.71867	JBAR	437.71867	VYBDOT	+0.77753388	AZP	+31.920468
ZMR	-18585.732	TBAR	18578.458	VZBDOT	0.27681275	VXP	0.16895922E+1
LMR	+7681.7538	LBARM	+2844.6139	PDOT	+0.31778548	VYP	+34.178771
MMR	13684.878	MBARM	5237.5335	QDOT	0.12785392	VZP	0.26725624E+3
NMR	48628.815	QBAR	41857.787	RDOT	0.36736146	RSTR,	0.0
XWP	47.448233	XT	81.468144	XTR	0.0	PSIDMG	0.0
YWP	187.98115	YT	49.499188	YTR	783.38118	BTR	2.0
ZWP	-49.769889	ZT	27.978347	ZTR	-285.12078	MADD	0.0
LWP	+1.8993194	LT	+0.4888114	LTR	4785.3187	XADD	0.0
MWP	28.959811	MT	832.84629	MTR	-9147.6223	YADD	0.0
NWP	682.42517	NT	+1334.5516	NTR	+25132.837	ZADD	0.0
XMT	63.228689	XVT	18.239455	ALPMTT	-22.586437	NADD	0.0
YMT	33.758643	YVT	11.738937	ALPVTT	+89.988848	LADD	0.0
ZMT	50.185813	ZVT	-23.827465	AAB81P	2.8753913		

WEIGHT	10450.0	FSCG	300.20000	Y	140.0	PSITRZ	0.0
IX	5629.0	WLCG	246.29999	DELS	-5.0	VXSTR,	0.0
IY	39490.0	RHO	0.23700000E-2	VSOUNU	1117.0	VYSTR,	0.0
IZ	37226.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR,	0.0
OMEGMR	27.019999	NBSS	4.0	THSIMR	-10.0	PSTR,	0.0
OMEGTR	124.62000	NSSS	5.0	THSITR	-10.0	WLVT	273.0
KPR	15.0	PASCNT	770.0	WCMT	234.0	PSVT	695.0
PSMT	700.00000	SMT	45.0	SVT	32.300000	QSTR,	0.0
LATSTR	-0.98438113	AIS	-1.9832822	IMT	-5.5928871	XA	43.847010
LNGSTR	13.971646	BIS	14.049764	IS	-3.0	XB	14.236504
COLSTR	19.481369	THETAB	19.481369	THTSMR	9.3213695	XC	55.750500
PEDAL	14.567741	THETTR	25.893585	THTSTR	11.593585	XP	41.717202
XAIR	8.3847618	XBIR	1.4236504	XCIR	9.5750559	XPIR	2.2520746
XBACTP	12.034896	XBACTI	1.2834896	RSTR,	0.0	PSTR	0.0
VXB	236.34443	THETAB	2.5900802	AADP	3.2254001	QSTR	0.0
VYB	14.071704	PHIB	0.0	AAIP	-0.6235521	RSTR	0.0
VZB	12.724666	BETAWF	3.3289218	BBIP	-0.38594065	TITR	0.0
P	0.0	GAMC	0.0	AABL	-0.5599459	MITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.32615951	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.69218171	MMITR	0.0
ALPWF	0.94984102	EKTX	1.5343765	EKWPX	0.89312566	LMITR	0.0
CMITPP	79.375061	EKTZ	1.7056234	EKWPZ	1.0186249	QMITR	0.0
EKTR	0.0	EPSWT	0.48320921	SIGWT	0.58448226	XITR	0.0
QWP	70.858495	KUMT	0.87177979	KQVT	0.85272682	YITR	0.0
MUXS	0.32631844	CTSIG	0.69313385E-1	ETOT	4.8300823	ZITR	0.0
MUYS	0.19410576E-1	CMSIG	-0.69356834E-2	DTOT	24.529136	LITR	0.0
MUZS	-0.22893589E-2	CUMSIG	0.51009971E-6	TTR	1332.8324	MITR	0.0
LAMBMR	-0.11429934E-1	NZ	0.99898766	MPMW	1782.2480	NITR	0.0
DWSMMR	0.91403634E-2	VC	0.14305114E-4	KTRBLK	1.0	AXP	1.4091588
XMR	2440.6753	MBAR	-1669.3187	VXBDOT	-0.35883052E-1	AYP	-2.4534128E-1
YMR	-332.56388	JBAR	332.56388	VYBDOT	-0.17928802E-1	AZP	-32.129413
ZMR	-15975.513	TBAR	16063.826	VZBDOT	-0.21817436E-2	VXP	236.34443
LMR	-7909.2810	LBARM	-4894.0422	PDOT	-0.11125551E-1	VYP	14.071704
MMR	-11515.696	MBARM	-23377.282	QDOT	0.67855044E-2	VZP	12.724666
NMR	35453.421	QBAR	36274.110	RDOT	0.29370584E-2	RSTR,	0.0
XWP	-1000.0143	XT	-76.858392	XTR	0.0	PSIDMG	0.0
YWP	-610.33232	YT	-310.36477	YTR	1252.5459	BTR	2.0
ZWP	-310.79967	ZT	1120.0344	ZTR	-455.89032	MADD	0.0
LWP	964.01674	LT	-695.56533	LTR	7651.4201	XADD	0.0
MWP	-5041.0138	MT	31750.706	MTR	-14125.001	YADD	0.0
NWP	-5394.5209	NT	8884.1490	NTR	-38000.047	ZADD	0.0
XMT	-53.270064	XVT	-23.500327	ALFMTT	-6.2726595	MADD	0.0
YMT	-3.4373221	YVT	-314.42744	ALFVTT	3.3047947	LADD	0.0
ZMT	1119.7546	ZVT	0.27978117	AABBIF	0.6289573		

WEIGHT	10450.0	FSCG	368.20000	V	150.0	PSITR2	0.0
IX	5629.0	WLCG	246.29999	DELS	-5.0	VXSTR,	0.0
IY	39996.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR,	0.0
IZ	37226.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR,	0.0
OMEGMR	27.019999	NBSS	4.0	TWSTMR	-10.0	PSTR,	0.0
OMEGTR	124.62000	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KPH	15.0	PASCNT	401.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR,	0.0
LATSTK	-1.2311585	A1S	-2.2587430	IMT	-6.0037127	XA	42.305259
LNGSTK	15.355312	B1S	15.600803	IS	-3.0	XB	9.4150571
COLSTK	20.456547	THETAB	20.456547	TM75MR	10.376547	XC	62.353425
PEDAL	14.528298	THETTR	26.500155	TM75TR	13.000155	XP	41.327628
XAIN	0.2305259	XBIN	0.94150571	XCIN	0.2353425	XPIN	2.2516318
XBACTP	7.1076531	XBACTI	0.71076531	RSTR,	0.0	PSTR	0.0
VXB	253.28409	THETAB	2.3400044	AA0F	3.2810174	QSTR	0.0
VYB	15.100622	PHIB	0.0	AA1F	-9.5523567	RSTR	0.0
VZB	10.300259	BETAWF	3.3362536	BB1F	-0.48090413	TITR	0.0
P	0.0	GAML	0.0	AA0L	-7.5114746	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.34991318	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.79826230	MHITR	0.0
ALFWF	0.90064477	EKTX	1.5097970	EKWFX	0.80231069	LHITR	0.0
CHITPP	78.391801	EKTZ	1.7302029	EKWFZ	1.0116081	QHITR	0.0
EKTH	0.0	EPSWT	0.40336253	SIGWT	0.58718065	XITR	0.0
QWF	79.918808	KQMT	0.87177979	KQVT	0.83265236	YITR	0.0
MUXS	0.34962707	CTSIG	0.69914954E-1	LTOT	3.9556618	ZITR	0.0
MUYS	0.20829979E-1	CMSIG	-0.77779817E-2	QTOT	24.517443	LITR	0.0
MUZS	-0.39750080E-2	CWMSIG	0.52703229E-6	TTR	1520.7905	MITR	0.0
LAMBMR	-0.12578397E-1	NZ	0.99938765	MPMR	2018.4040	NITR	0.0
DWSMMR	0.86025898E-2	VC	0.14305114E-4	KTRBLK	1.0	AXP	1.3170944
XMR	2651.1387	MBAR	-1804.7521	VXBDOT	0.46448699E-2	AYP	-0.12584278
YMR	-397.14381	JMAR	397.14381	VYBDOT	-0.68682803E-1	AZP	-32.159010
ZMR	-16104.666	TBAR	16222.610	VZBDOT	-0.77015274E-2	VXP	253.28409
LMR	-9245.4561	LBARM	-4710.4015	PDOT	-0.39640717E-1	VYP	15.100622
MMR	-15004.812	MBARM	-25862.019	QDOT	0.47584139E-2	VZP	10.300259
NMR	40117.730	QBAR	41005.206	RDOT	-0.61705999E-2	RSTR,	0.0
XWF	-1916.6058	XT	-91.440581	XTR	0.0	PSIDMG	0.0
YWF	-699.58401	YT	-365.83700	YTR	1429.1819	BTR	2.0
ZWF	-346.38397	ZT	1342.8077	ZTR	-520.18069	MADD	0.0
LWF	1104.8617	LT	-790.75205	LTR	8730.4444	XADD	0.0
MWF	-6750.8992	MT	38062.640	MTR	-16116.931	YADD	0.0
NWF	-6104.1206	NT	10208.962	NTR	-44280.819	ZADD	0.0
XMT	-64.393691	XVT	-27.046889	ALFMTT	-6.6344276	MADD	0.0
YMT	-4.6877889	YVT	-361.14921	ALFVTT	3.3681177	LADD	0.0
ZMT	1342.5099	ZVT	0.29774870	AABB1F	9.5640660		

WEIGHT	19900.0	FSCG	368.20000	V	1.0E-2	PSITR2	0.0
IX	6200.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMH	0.0	VZSTR.	0.0
OMEGMR	29.720000	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1385.0	WLMT	254.0	PSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-0.10884719	AIS	-1.8992175	IMT	29.782701	XA	48.878954
LNGSTR	3.1652100	BIS	1.6593656	IS	-3.0	XB	38.815498
COLSTR	19.398150	THETAB	19.398150	THTSMR	9.3181502	XC	55.738498
PEDAL	20.061820	THETTR	30.763617	THTSTR	17.263617	XP	25.987391
XAIN	4.8878954	XBIN	3.8815498	XCIN	5.5738498	XPIN	1.4832820
XBACTP	45.570869	XBACTI	4.5570889	RSTR.	0.0	PSTR	0.0
VXB	0.10837379E-1	THETAB	4.8820384	AABP	3.5010833	QSTR	0.0
VYB	0.0	PHIB	-2.9721521	AAIP	-1.7846364	RSTR	0.0
VZB	0.14383987E-2	BETAWF	0.0	BBIP	-1.1839717	TITR	0.0
P	0.0	GAMC	0.0	AABL	-6.3223581	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	-0.15722748E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.12897491	MMITR	0.0
ALFWF	-13.238188	EKTX	-0.28184423	EKWFX	0.79995393E-5	LMITR	0.0
CMITPP	-1.7606581	EKTZ	0.24242269	EKWFZ	0.11099360E-3	QMITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.27424265E-6	KQMT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.21179503E-4	CTSIG	0.89898898E-1	LTOT	-20.771652	ZITR	0.0
MUYS	0.0	CMSIG	-0.31818588E-2	DTOT	26.627283	LITR	0.0
MUZS	0.69619096E-6	CQMSIG	0.63165218E-6	TTR	1426.8223	MITR	0.0
LAMBMR	-0.62058226E-1	NZ	0.99488526	HPMR	2290.0596	NITR	0.0
DWSHMR	0.62058921E-1	VC	0.12232427E-3	KTRBLK	0.79599999	AXP	2.7478835
XMR	1624.1981	MBAR	-655.19994	VXBUOT	0.94332139E-2	AYP	1.6699127
YMR	-350.58612	JBAR	350.58612	VYBUOT	0.71851254E-2	AZP	-32.809246
ZMR	-18518.732	TBAR	18571.811	VZBUOT	-0.25760788E-3	VXP	0.10837379E-1
LMR	-8169.8185	LBARM	-3865.8195	PDOT	0.11449312E-3	VYP	0.0
MMR	14879.148	MBARM	-5982.1947	QUOT	0.58359488E-4	VZP	0.14383987E-2
NMR	41536.573	QBAR	42379.974	RUOT	-0.28709846E-3	RSTR.	0.0
XWF	-0.58038852E-5	XT	6.0138894	XTR	0.0	PSIUMG	0.0
YWF	0.0	YT	-0.34902633E-6	YTR	1340.8741	BTR	4.0
ZWF	0.72173330E-5	ZT	0.4019962	ZTR	-488.83922	MADD	0.0
LWF	0.0	LT	-0.77658361E-6	LTR	8190.9987	XADD	0.0
MWF	-0.14386782E-3	MT	244.36883	MTR	-15121.081	YADD	0.0
NWF	0.0	NT	0.97378347E-5	NTR	-41544.75	ZADD	0.0
XMT	6.0138896	XVT	-0.79245321E-7	ALFMTT	-11.027455	NADD	0.0
YMT	0.0	YVT	-0.34902633E-6	ALFVTT	0.0	LADD	0.0
ZMT	0.4019962	ZVT	0.66427693E-7	AABBIF	2.1416620		

WEIGHT	19900.0	FSCG	388.20000	V	40.0	PSITR2	0.0
IX	6200.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RMO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	THSTMR	-10.2	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSITR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	776.0	WCMT	238.0	PSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	-1.8623089	A1S	-2.0482275	IMT	20.440884	XA	38.300569
LNGSTR	0.5056219	B1S	4.1527865	IS	-3.0	XB	33.796368
COLSTR	10.110277	THETAB	10.110277	THTSMR	0.0382776	XC	47.689235
PEQAL	14.079696	THETTR	24.835429	THTSTR	10.535429	XP	40.355132
XAIN	3.8360569	XBIN	3.3796388	XCIN	4.7689235	XPIN	2.1791284
XBACTP	40.545287	XBACTI	4.0545287	RSTR.	0.0	PSTR	0.0
VXB	67.351296	THETAB	4.8653151	AABP	3.4938685	QSTR	0.2
VYB	0.0	PHIB	-1.6598591	AA1P	-2.6327256	RSTR	0.0
VZB	5.7332120	BETAWF	0.0	BB1F	-0.3859042B	TITR	0.2
P	0.0	GAMC	0.0	AABL	-5.6941614	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.22598267	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.12645654	MMITR	0.0
ALFWF	-17.886981	EKTX	0.97795463	EKWPX	0.68983670	LMITR	0.0
CMITPP	62.295131	EKTZ	2.0161556	EKWPZ	1.0354897	QMITR	0.0
EKTR	0.0	EPSMT	0.44999999	SIGMT	0.0	XITR	0.2
QWF	7.9435622	KQMT	0.93257828	KQVT	0.84852813	YITR	0.0
MUXS	0.84718986E-1	CTSIG	0.92680286E-1	LTOT	-30.773882	ZITR	0.0
MUYS	0.0	CMSIG	-0.33631868E-2	DTOT	29.984997	LITR	0.0
MUZS	0.2759162BE-2	CGMSIG	0.638350S3E-6	TTR	1143.4731	MITR	0.0
LAMBMR	-0.39630381E-1	NZ	0.99597988	MPMR	1041.7407	NITR	0.0
DWSMMR	0.42397543E-1	VC	0.19147328	RTRBLK	1.0	AXP	2.7515185
XMM	1695.7923	MBAR	-694.77522	VXBDOT	0.22714213E-1	AYP	0.95865026
YMM	-588.14386	JBAR	588.14386	VYBDOT	0.38326287E-1	AZP	-32.000004
ZMM	-19082.472	TBAR	19146.568	VZBDOT	-0.31649546E-2	VXP	67.351296
LMM	-6557.8378	LBARM	-1798.7748	PDOT	-0.18638189E-2	VYP	0.0
MMM	12749.675	MBARM	-8628.1184	QDOT	0.10775338E-3	VZP	5.7332120
NMM	33114.781	QBAR	34883.357	RDOT	-0.69034818E-3	RSTR.	0.0
XWF	-158.96575	XT	87.518338	XTR	0.0	PSIDMG	0.0
YWF	0.0	YT	-5.5843539	YTR	1074.3931	BTR	0.0
ZWF	305.61868	ZT	156.73501	ZTR	-391.12067	MADD	0.0
LWF	0.0	LT	-12.425187	LTR	6564.3677	XADD	0.0
MWF	-5164.2757	MT	4537.3034	MTR	-12118.222	YADD	0.0
NWF	0.0	NT	155.80347	NTR	-33294.477	ZADD	0.0
XMT	88.918543	XVT	-1.4882123	ALFMT1	-4.8552675	NADD	0.0
YMT	0.0	YVT	-5.5843539	ALFVT1	0.0	LADD	0.0
ZMT	155.81619	ZVT	0.91962239	AABB1F	2.6504388		

WEIGHT	19900.0	PSCG	360.20000	V	80.0	PSITR2	0.0
IX	6200.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1595.0	WLMT	230.0	PSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	-1.0040095	A1S	-1.7875504	IMT	20.854502	XA	43.720440
LNGSTR	5.1095420	B1S	4.4729568	IS	-5.0	XB	31.945078
COLSTR	17.389717	THETAB	17.389717	THTSMR	7.2297178	XC	42.685738
PEDAL	14.777301	THETTR	22.972963	THTSTR	9.4729638	XP	40.637351
XAIN	4.3720440	XBIN	3.1945878	XCIN	4.2685737	XPIN	2.1943508
XBACTP	36.682150	XBACTI	3.6682158	RSTR.	0.0	PSTH	0.0
VXB	101.23605	THETAB	3.1041886	AA0P	3.3506899	QSTH	0.0
VYB	18.786043	PHIH	0.0	AA1P	-1.7830705	RSTH	0.0
VZB	5.6322758	BETAWF	0.7186346	BB1F	-0.6628067E-1	TITH	0.0
P	0.0	GAMC	0.0	AA0L	-4.1698185	HITH	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.10997980	JITH	0.0
R	0.0	PSIDOT	0.0	BB1L	0.55283020E-1	MHITR	0.0
ALFWF	-0.5634027	EKTX	1.2607338	EKWFX	0.84858757	LMITR	0.0
CHITPP	75.326144	EKTZ	1.9474107	EKWFZ	1.0146738	QMITH	0.0
EKTR	0.0	EPSWT	0.53718633	SIGWT	1.3411107	XITR	0.0
QWF	13.453550	KQHT	0.87177979	KQVT	0.75908551	YITR	0.0
MUXS	0.12710545	CTSIG	0.91341501E-1	LTQT	-7.9578454	ZITR	0.0
MUYS	0.25559488E-1	CHSIG	-0.19846652E-2	DTQT	27.865971	LITH	0.0
MUZS	0.40862732E-3	CQHSIG	0.60450435E-6	TTR	944.43595	MITR	0.0
LAMBMR	-0.29097545E-1	NZ	0.99837233	HPMR	1518.5206	NITR	0.0
DWSMMR	0.29506372E-1	VL	0.71525573E-5	KTRBLK	1.0	AXP	1.7863109
XMR	1396.9626	MBAR	-410.00676	VXBDOT	-0.64754310E-3	AYP	0.66731189E-3
YMR	-470.51056	JBAR	470.51056	VYBDOT	0.19851183E-2	AZP	-32.121729
ZMR	-10021.216	TBAR	10070.088	VZBDOT	0.34937543E-3	VXP	101.23605
LMR	-5045.1019	LBARM	-1560.3721	PDOT	-0.63575558E-5	VYP	18.786043
MMR	16739.715	MBARM	-5990.4033	QDOT	0.67754790E-4	VZP	5.6322758
NMR	27202.375	QBAR	28101.829	RDOT	0.66905464E-4	RSTH.	0.0
XWF	-311.00402	XT	-25.297428	XTR	0.0	PSIDMG	0.0
YWF	-311.07002	YT	-103.97236	YTR	887.54548	BTR	4.0
ZWF	155.19504	ZT	-67.867341	ZTR	-323.04076	MADD	0.0
LWF	644.51240	LT	-225.29708	LTR	5421.7496	XADD	0.0
MWF	-4757.7542	MT	-1978.2643	MTR	-10006.679	YADD	0.0
NWF	-2608.9214	NT	2401.6654	NTR	-27499.117	ZADD	0.0
XMT	-31.858995	XVT	6.5615758	ALFMTT	1.6280468	MADD	0.0
YMT	-1.0509019	YVT	-102.11545	ALFVTT	12.454338	LADD	0.0
ZMT	-65.578941	ZVT	-2.2883988	AABB1F	1.7842988		

WEIGHT	19900.0	FSCG	360.28088	V	80.0	PSITR2	0.0
IX	6266.0	WLCG	246.29799	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSITR	-18.0	WLVT	273.0
XFR	15.0	PASCNT	1087.0	WCMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.86588915	AIS	-1.5624650	IMT	0.8186632	XA	44.683192
LNGSTK	6.3886975	BIS	6.0730387	IS	-5.0	XB	27.425096
COLSTK	17.246756	THETAB	17.246756	THTSMR	7.1667565	XC	42.292229
PEDAL	13.559147	THETTR	21.679255	THTSTR	8.1792552	XP	44.814338
XAIN	4.4603192	XBIN	2.7425096	XCIN	4.2292229	XPIN	2.3767125
XBACTP	30.699656	XBACTI	3.0699656	RSTR.	0.0	PSTR	0.0
VXB	134.95721	THETAB	3.3796634	AABP	3.3119296	QSTR	0.0
VYB	16.863559	PHIB	0.0	AAIP	-2.8742610	RSTR	0.0
VZB	7.9703939	BETAWP	6.3493957	BBIP	0.12032037E-1	TITR	0.0
P	0.0	GAMC	0.0	AABL	-4.1657265	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.22886948	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.16515222	MMITR	0.0
ALFWP	-3.9247869	EKTX	1.4156427	EKWPX	0.89823934	LMITR	0.0
CHITPP	79.839941	EKTZ	1.7981927	EKWPZ	1.0101640	QMITR	0.0
EKTH	0.0	EPSMT	0.51349395	SIGMT	1.0473258	XITR	0.0
QWF	20.367207	KGMT	0.87177979	KQVT	0.79462050	YITR	0.0
MUXS	0.16952721	CTSIG	0.91658117E-1	LTOT	-1.4397898	ZITR	0.0
MUYS	0.21148509E-1	CMSIG	-0.29859606E-2	DTOT	25.389637	LITR	0.0
MUZS	0.11256073E-2	CDMSIG	0.59752579E-6	TTR	950.69496	MITR	0.0
LAMBMR	-0.21661152E-1	NZ	0.99819876	HPMR	1504.8521	NITR	0.0
DWSMMR	0.22784759E-1	VC	0.35702786E-5	KTRBLK	1.8	AXP	1.9105933
XMR	1606.9196	MBAR	-616.86174	VXBDOT	0.12561543E-1	AYP	-0.16855718E-2
YMR	-426.95984	JBAR	426.95984	VYBDOT	-0.32027503E-2	AZP	-32.117198
ZMR	-10875.292	TBAR	10934.996	VZBDOT	0.43332438E-3	VXP	134.95721
LMR	-5795.9561	LBARM	-1792.7761	PDOT	0.10823287E-3	VYP	16.863559
MMR	12008.346	MBARM	-9557.8988	QDOT	-0.59536868E-3	VZP	7.9703939
NMR	27009.950	QBAR	27848.879	RDOT	-0.51268118E-3	RSTR.	0.0
XWF	-479.33426	XT	5.1546576	XTR	0.0	PSIDMG	0.0
YWF	-339.98251	YT	-134.18840	YTR	899.88884	BTR	0.0
ZWF	62.290921	ZT	86.774994	ZTR	-327.23391	MADD	0.0
LWF	599.52227	LT	-293.47235	LTR	5492.1253	XADD	0.0
MWF	-4356.7896	MT	2462.4800	MTR	-10138.797	YADD	0.0
NWF	-2915.9429	NT	3742.8797	NTR	-27856.882	ZADD	0.0
XMT	4.2832710	XVT	0.87138657	ALFMTT	-1.4361324	NADD	0.0
YMT	-1.5088132	YVT	-132.59238	ALFVTT	7.8358888	LADD	0.0
ZMT	86.928516	ZVT	-0.15752187	AABBIF	2.8742887		

WEIGHT	19900.0	FSCG	380.20000	V	100.0	PSITR2	0.0
IX	6260.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMN	0.0	VZSTR.	0.0
OMEGMR	29.720000	NOSS	4.0	THSTMN	-10.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1078.0	WLMT	234.0	PSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTK	-0.02873773	A1S	-1.3033414	IMT	0.31000246	XA	44.020389
LNGSTK	0.3981912	B1S	0.3000896	IS	-3.0	XB	20.324412
COLSTK	17.012075	THETA0	17.012075	TH75MN	7.5320752	XC	44.575478
PEDAL	12.964977	THETTR	21.503468	TH75TR	0.0034600	XP	45.716968
XAIN	0.0020389	XBIN	2.0324412	XCIN	0.4575478	XPIN	2.4000516
XBACTP	22.376292	XBACT1	2.2376292	RSTR.	0.0	PSTR	0.0
VXB	100.00267	THETAB	3.9000996	AABP	3.3062001	QSTR	0.0
VYB	16.004000	PM1B	0.0	AA1P	-4.5202006	RSTR	0.0
VZB	11.749545	BETAWP	5.2095393	BB1P	0.00694003E-2	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.5034114	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.27105975	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.32303940	MMITR	0.0
ALFWF	-0.98771667	EKTX	1.3024710	EKWFX	0.91903952	LMITR	0.0
CMITPP	81.464500	EKTZ	1.6997029	EKWFZ	1.0005354	QMITR	0.0
EKTR	0.0	EPSWT	0.50209539	SIGWT	0.91590207	XITR	0.0
QWF	29.290401	KQWT	0.07177979	KQVT	0.01027659	YITR	0.0
MUXS	0.21190075	CTSIG	0.92432559E-1	CTOT	1.0720475	ZITR	0.0
MUYS	0.21149145E-1	CMSIG	-0.49240732E-2	DTOT	24.753723	LITR	0.0
MUZS	0.30479315E-2	CQMSIG	0.59650797E-6	TTR	1007.0070	MITR	0.0
LAMBMR	-0.14079360E-1	NZ	0.99762792	MPMR	1649.4045	NITR	0.0
DWSMMR	0.10527500E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.2400346
XMR	2015.2090	MBAR	-1017.4165	VXBDOT	0.52288777E-2	AYP	-0.23040003E-2
YMR	-421.45001	JBAR	421.45001	VYBDOT	-0.37055917E-2	AZP	-32.094532
ZMR	-19014.500	TBAR	19095.399	VZBDOT	0.67652910E-3	VXP	100.00267
LMR	-6391.2795	LBARM	-2281.6690	PDOT	-0.10100469E-3	VYP	16.004006
MMR	4301.1411	MBARM	-14997.525	QDOT	0.12902566E-2	VZP	11.749545
NMR	29004.677	QBAR	30523.973	RDOT	-0.69660390E-3	RSTR.	0.0
XWF	-691.52344	XT	6.4095030	XTR	0.0	PSIDMG	0.0
YWF	-400.32006	YT	-177.20119	YTR	1002.7359	QTR	0.0
ZWF	-42.916969	ZT	379.66284	ZTR	-364.96682	MADD	0.0
LWF	652.65220	LT	-386.33178	LTR	6125.4016	XADD	0.0
MWF	-3779.0582	MT	10780.571	MTR	-11307.063	YADD	0.0
NWF	-3567.0631	NT	4945.0128	NTR	-31068.040	ZADD	0.0
XMT	9.7063231	XVT	-3.2967392	ALFMTT	-4.7495133	MADD	0.0
YMT	-2.4433406	YVT	-174.75784	ALFVTT	5.0505320	LADD	0.0
ZMT	379.36969	ZVT	0.29235434	AABB1P	4.5202050		

WEIGHT	19900.0	FSCG	360.20000	V	120.0	PSITRZ	0.0
IX	6260.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.26000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	157.07999	NSSS	5.0	THSITR	-18.0	WLVT	275.0
KFR	15.0	PASCNT	923.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTK	-0.86855581	AIS	-1.6793218	IMT	-1.2885797	XA	44.571558
LNGSTK	9.3633467	BIS	9.5936483	IS	-3.0	XB	16.913961
COLSTK	18.551533	THETAB	18.551533	TH75MR	8.2715338	XC	49.197087
PEDAL	12.753798	THETTR	22.199638	TH75TR	8.6996388	XP	46.246954
XAIN	4.4571538	XBIN	1.6913961	XCIN	4.9197087	XPIN	2.4972786
XBACTP	17.145528	XBACTI	1.7145528	RSTR.	0.0	PSTR	0.0
VXB	202.49728	THETAB	3.0486592	AA0P	3.2838338	QSTR	0.0
VYB	17.254081	PHIB	0.0	AA1P	-4.9227747	RSTR	0.0
VZB	10.785438	BETAWP	4.6120818	BB1P	-0.25252398E-1	TITR	0.0
P	0.0	GAML	0.0	AA0L	-5.5454681	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.29737382	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.40102949	MMITR	0.0
ALFWP	-0.44969987	EKTX	1.3853399	EKWPX	0.92132256	LMITR	0.0
CHITPP	81.640149	EKTZ	1.6816221	EKWPZ	1.0083598	QMITR	0.0
EKTR	0.0	EPSWT	0.49612080	SIGWT	0.81172625	XITR	0.0
QWP	40.291239	KUMT	0.87177979	KGVT	0.82650866	YITR	0.0
MUXS	0.25429099	CTSIG	0.92687675E-1	LTOT	2.3851923	ZITR	0.0
MUYS	0.21636262E-1	CMSIG	-0.46761326E-2	DTOT	24.502416	LITR	0.0
MUZS	0.21609989E-3	COMSIG	0.59245685E-6	TTR	1256.5213	MITR	0.0
LAMBMR	-0.15284270E-1	NZ	0.99869149	HPMR	1922.7186	NITR	0.0
DWSMMR	0.15500279E-1	VC	0.71525573E-5	KTRBLR	1.0	AXP	1.7012854
XMR	1965.8700	MBAR	-966.02993	VXBDOT	-0.15970950E-1	AYP	0.38676194E-1
YMR	-456.70572	JBAR	456.70572	VYBDOT	0.21029988E-1	AZP	-32.136183
ZMR	-19053.314	TBAR	19131.576	VZBDOT	-0.59262148E-2	VXP	202.49728
LMR	-7429.3032	LBARM	-2845.4662	PDOT	0.10595658E-1	VYP	17.254081
MMR	3445.7038	MBARM	-16271.989	QDOT	-0.35024789E-2	VZP	10.785438
NMR	34627.469	QBAR	35581.791	RDOT	0.68976112E-3	RSTR.	0.0
XWP	-951.80761	XT	-0.3082897	XTR	0.0	PSIDMG	0.0
YWP	-488.85297	YT	-224.79843	YTR	1180.8318	BTR	0.0
ZWP	-85.416314	ZT	505.49656	ZTR	-429.78841	MADD	0.0
LWP	772.35105	LT	-491.30673	LTR	7213.3471	XADD	0.0
MWP	-4620.4655	MT	14345.381	MTR	-13316.277	YADD	0.0
NWP	-4515.1024	NT	6273.0481	NTR	-36586.108	ZADD	0.0
XMT	-1.2023415	XVT	-7.1858680	ALFMTT	-4.7507845	MADD	0.0
YMT	-2.7278083	YVT	-222.06863	ALFVTT	4.9065022	LADD	0.0
ZMT	505.06057	ZVT	0.43578593	AABB1F	4.9228394		

WEIGHT	19900.0	FSCG	368.28000	V	140.0	PSITR2	0.0
IX	6260.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1007.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.1377135	AIS	-2.0796288	IMT	-2.6254759	XA	42.889298
LNGSTK	10.904465	BIS	11.377025	IS	-3.0	XB	11.468325
COLSTK	19.024888	THETAB	19.024888	TH75MR	9.5448082	XC	57.155052
PEVAL	13.208788	THETTR	24.182558	TH75TR	10.682558	XP	44.985617
XAIN	4.2889289	XBIN	1.1488325	XCIN	5.7155051	XPIN	2.4291881
XBACTP	9.8398411	XBACTI	0.98398411	RSTR.	0.0	PSTR	0.0
VXB	230.47862	THETAB	2.8155998	AABP	3.2899394	QSTR	0.0
VYB	19.875613	PHIB	0.0	AAIP	-5.6721763	RSTR	0.0
VZB	8.3222676	BETAWF	4.8157817	BBIP	-0.21711438	TITR	0.0
P	0.0	GAMC	0.0	AABL	-6.8022689	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.34387588	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.52956789	MHITR	0.0
ALFWF	-0.58851883	EKTX	1.4793429	EKWFX	0.98995941	LMITR	0.0
CHITPP	80.766118	EKTZ	1.6882424	EKWFZ	1.8892338	QMITR	0.0
EKTH	0.0	EPSWT	0.49615781	SIGWT	0.81237768	XITR	0.0
QWF	53.379471	KQMT	0.87177979	KQVT	0.82648275	YITR	0.0
MUXS	0.29667343	CTSIG	0.93388898E-1	LTOT	2.1648983	ZITR	0.0
MUYS	0.24925912E-1	CMSIG	-0.45449846E-2	DTOT	24.503156	LITR	0.0
MUZS	-0.58983063E-2	CQMSIG	0.59355839E-6	TTR	1606.5453	MITR	0.0
LAMBMR	-0.18478251E-1	NZ	0.99881479	MPMR	2444.7146	NITR	0.0
OWSMMR	0.13579945E-1	VC	0.14305114E-4	KTRBLR	1.0	AXP	1.1165268
XMR	1946.2941	MBAR	-936.91988	VXBDOT	-0.44989558E-2	AYP	-0.54746088E-1
YMR	-579.10414	JBAR	579.10414	VYBDOT	-0.29383089E-1	AZP	-32.127057
ZMR	-19197.737	TBAR	19274.787	VZBDOT	0.20539489E-1	VXP	236.47862
LMR	-9691.7562	LBARM	-3873.2451	PDOT	-0.16878502E-1	VYP	19.875613
MMR	1334.3227	MBARM	-18738.606	QDOT	0.63798505E-2	VZP	8.3222676
NMR	44017.867	QBAR	45242.028	RDOT	-9.20452189E-2	RSTR.	0.0
XWF	-1201.1144	XT	-16.434686	XTR	0.0	PSIDMG	0.0
YWF	-645.52005	YT	-302.53158	YTR	1509.7710	BTR	4.0
ZWF	-102.99728	ZT	784.87052	ZTR	-549.51279	MADD	0.0
LWF	1020.0193	LT	-668.15027	LTR	9222.7345	XADD	0.0
MWF	-6518.5390	MT	22267.272	MTR	-17025.737	YADD	0.0
NWF	-5722.4043	NT	8442.4288	NTR	-46777.739	ZADD	0.0
XMT	-6.1943411	XVT	-10.240345	ALFMTT	-5.6272512	NADD	0.0
YMT	-3.9946194	YVT	-298.53696	ALFVTT	4.8587647	LADD	0.0
ZMT	784.35351	ZVT	8.53781391	AABBIF	5.6765500		

WEIGHT	19900.0	FSCG	360.20000	V	150.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR,	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR,	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR,	0.0
OMEGMR	29.720000	NOSS	4.0	THSTMR	-18.0	PSTR,	0.0
OMEGTR	137.07999	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KPR	15.0	PASCNT	986.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR,	0.0
LATSTK	-1.3630394	AIS	-2.3809447	IMT	-2.8801108	XA	41.401003
LNGSTK	11.823617	BIS	12.446415	IS	-3.0	XB	8.2197262
COLSTK	20.440245	THETAW	20.440245	TH75MR	10.360245	XC	62.251535
PEDAL	13.518497	THETTR	25.470792	TH75TR	11.970792	XP	44.127029
XAIN	4.1481003	XBIN	0.82197261	XCIN	6.2251535	XPIN	2.3827976
XBACTP	5.6647397	XBACTI	0.56647396	RSTR,	0.0	PSTR	0.0
VXB	253.39864	THETAB	1.5016719	AA0P	3.3054297	QSTR	0.0
VYB	21.326423	PHIB	0.0	AA1P	-0.1142558	RSTR	0.0
VZB	6.6432341	BETAWP	4.6458358	BB1P	-0.35353374	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-7.7634701	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.37319753	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.81204597	MMITR	0.0
ALPWF	-0.75529766	EKTX	1.5402260	EKWPX	0.90169414	LMITR	0.0
CMITPP	80.130320	EKTZ	1.6864813	EKWPZ	1.0098696	QMITR	0.0
EKIR	0.0	EPSWT	0.49645835	SIGWT	0.81766713	XITR	0.0
QWF	60.667639	KQWT	0.87177979	KQVT	0.82633728	YITR	0.0
MUXS	0.31776184	CTSIG	0.93821943E-1	LTOT	1.9519770	ZITR	0.0
MUYS	0.26745366E-1	CMSIG	-0.44804303E-2	DTOT	24.509166	LITR	0.0
MUZS	-0.83119494E-2	CQMSIG	0.59635312E-6	TTR	1834.5744	MITR	0.0
LAMBMR	-0.20867926E-1	NZ	1.0007173	MPMR	2790.6589	NITR	0.0
OWSHMR	0.12555977E-1	VC	0.35762786E-5	KTRBLK	1.0	AXP	0.83776098
XMR	1938.6271	MBAR	-925.60031	VXBDOT	-0.22431863E-1	AYP	0.53106193E-1
YMR	-620.13887	JBAR	620.13887	VYBDOT	0.30503711E-1	AZP	-32.215273
ZMR	-19305.919	TBAR	19382.428	VZBDOT	-0.35945342E-1	VXP	253.39864
LMR	-10866.094	LBARM	-4468.4799	PDOT	0.15224445E-1	VYP	21.326423
MMR	118.07983	MBARM	-28179.185	QDOT	-0.98799490E-2	VZP	6.6432341
NMR	50311.793	QBAR	51644.092	RDOT	0.19845871E-2	RSTR,	0.0
XWF	-1453.1557	XT	-18.558516	XTR	0.0	PSIDMG	0.0
YWF	-738.43218	YT	-347.39607	YTR	1724.0642	BTR	4.0
ZWF	-99.495226	ZT	931.25112	ZTR	-627.50926	MADD	0.0
LWF	1102.8711	LT	-757.65063	LTR	10531.791	XADD	0.0
MWF	-7505.8338	MT	20419.285	MTR	-19442.328	YADD	0.0
NWF	-6547.7385	NT	9694.4696	NTR	-53417.255	ZADD	0.0
XMT	-6.8344707	XVT	-11.724846	ALFMTT	-5.8890562	NADD	0.0
YMT	-4.7094289	YVT	-342.68664	ALFVTT	4.8542614	LADD	0.0
ZMT	930.61483	ZVT	0.61629634	AABB1P	6.1244681		

WEIGHT	19920.0	PSCG	360.00000	V	1.0E-2	PSITRE	0.0
IX	6290.3	RLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41987.0	RHO	0.23760000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	50224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.071999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	1e4.9e1.0	NSSS	5.0	THSTTR	-18.0	MLVI	273.0
KPR	15.0	PASCNT	1368.0	MCMT	256.0	PSVI	695.0
PSMI	7[illegible]	SMI	45.0	SVI	32.500000	QSTR.	0.0
LATSTR	-0.31379516	AIS	-1.1812831	IMI	28.964350	XA	46.038792
LNGSTR	3.2392044	BIS	2.0727131	IS	-5.0	XB	38.553835
COLSTR	18.991455	THETAC	18.991455	THTSMR	8.8214558	XC	52.634100
PEQAL	10.554757	THETTR	28.455784	THTSTR	14.935784	XP	30.788319
XAIR	4.8038792	XBIN	3.8553835	XCIN	5.2634100	XPIN	1.8025259
XBALTR	45.492269	XBALTI	4.5492269	RSTR.	0.0	PSTR	0.0
VXB	0.10625006E-1	THETAB	5.3063004	AAPP	4.1960538	QSTR	0.0
VYB	0.0	PHIB	-2.7159400	VAAIP	-2.2111319	RSTR	0.0
VZB	0.15799186E-2	BETAWP	0.0	BBIP	-1.3107922	TITR	0.0
P	0.0	GAML	0.0	AAQL	-7.0950209	HITR	0.0
Q	0.0	OMGRAT	1.0	RRIL	-0.13551170E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.10354457	MMITR	0.0
ALPAP	-18.533401	ERTX	-0.25261120	ERWPX	0.79995393E-5	LMITR	0.0
CMITPP	-2.1854089	ERTZ	0.20475170	ERWPZ	0.11099360E-3	QMITR	0.0
ERTR	0.0	EPSMT	0.44999999	SIGMT	0.0	XITR	0.0
QWP	0.3[illegible]	RGMT	0.87177979	RQVI	0.84852813	YITR	0.0
MOXS	0.23[illegible]	ETSIG	0.8001619[illegible]E-1	LTOT	-13.656564	ZITR	0.0
MOYS	0.0	CMSIG	-0.35117873E-2	DIOI	25.232740	LITR	0.0
MOZS	0.9[illegible]	CGMSIG	0.66771653E-6	TIR	1319.4224	MITR	0.0
LAMBMR	-0.3[illegible]E-1	NZ	0.99437635	MPMR	1926.8861	NITR	0.0
OMBMR	0.3[illegible]E-1	VC	0.11212710E-3	RTRGLR	0.79599999	AXP	3.0198747
XMR	1757.5[illegible]	MBAR	-814.65222	VXBDOT	0.12058483E-1	AYP	1.5219619
YMR	-335.[illegible]	JBAR	536.21310	VYBDOT	0.55403609E-2	AZP	-31.993302
ZMR	-10535.29[illegible]	IBAR	18004.885	VZBDOT	0.10658214E-3	VXP	0.16825086E-1
LMR	-7517.[illegible]	LBARM	-5563.5420	PDOT	-0.46695517E-3	VYP	0.0
MMR	1346[illegible]	MBARM	-6120.2589	QDOT	-0.49479293E-4	VZP	0.15799186E-2
NMR	5946[illegible]	NBAR	592e2.332	RDOT	0.19616400E-3	RSTR.	0.0
XMP	-[illegible]	XT	4.2616272	XTR	0.0	PSIDMG	0.0
YMP	0.0	YT	-0.47448466E-6	YTR	1234.9436	BTR	0.0
ZMP	0.[illegible]	ZT	5.94597[illegible]	ZTR	-451.50347	MADD	0.0
LMP	0.0	LT	-0.10557284E-5	LTR	7574.4448	XADD	0.0
MMP	-0.1575[illegible]	MT	172.93656	MTR	-13482.885	YADD	0.0
NMP	0.0	NT	0.13258122E-4	NTR	-38417.588	ZADD	0.0
XMT	4.2[illegible]	XVT	-0.11051506E-6	ALPHTT	-10.099429	MADD	0.0
YMT	0.0	YVT	-0.47448466E-6	ALPVTT	0.0	LADD	0.0
ZMT	5.9459[illegible]	ZVT	0.89697293E-7	AABBIP	2.5704631		

WEIGHT	19900.0	FSCG	360.20000	V	40.0	PSITR2	0.0
IX	6200.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23760000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	3e2c4.0	TIME	0.2000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.02000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	861.0	FLHT	234.0	FSVT	695.0
FSMT	700.00000	SMT	45.6	SVT	32.500000	QSTR.	0.0
LATSTR	-1.7256699	AIS	-2.4287358	IMT	27.893837	XA	59.226938
LNGSTR	4.2502996	BIS	4.1282743	IS	-3.0	XB	34.953036
COLSTR	17.525196	THETAD	17.525186	THTSMR	7.2451063	XC	42.781915
PEDAL	12.770276	THETTR	21.192404	THTSTR	7.6924045	XP	45.624647
XAIN	3.9226938	XBIN	3.4953036	XCIN	4.2781915	XPIN	2.4636668
XBALTP	41.559011	XBALTI	4.1559610	RSTR.	0.0	PSTR	0.0
VXB	67.389759	THETAB	4.4909877	AA0P	4.0823362	QSTR	0.0
VYB	0.0	PHIB	-1.4481358	AA1P	-2.5977633	RSTR	0.0
VZB	5.2932611	BETAWF	0.0	BB1P	-0.18374639	TITR	0.0
P	0.0	GAML	0.0	AA0L	-5.1521995	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.25308848	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.13440699	MMITR	0.0
ALFWF	-15.618771	EKTX	1.1118810	EKWPX	0.76216400	LMITR	0.0
CHITPP	67.056770	EKTZ	2.0433416	EKWPZ	1.0242824	QMITR	0.0
EKTR	0.0	EPSMT	0.49999999	SIGMT	0.0	XITR	0.0
QWF	9.5512e-1	KGMT	0.87177979	KQVI	0.84852813	YITR	0.0
MUXS	0.93265745E-1	CTSIG	0.8208691 2E-1	LTOT	21.885250	ZITR	0.0
MUYS	0.0	CMSIG	-0.29465899E-2	DTOT	26.811485	LITR	0.0
MUZS	0.24261227E-2	CUMSIG	0.65578671E-6	TTR	958.71363	MITR	0.0
LAMBMR	-0.33244929E-1	NZ	0.99640032	MPMR	1401.4072	NITR	0.0
OMSMMR	0.33520132E-1	VC	0.12208342	KTRBLK	1.0	AXP	2.5065858
XMR	1679.4792	MBAR	-685.66110	VXBDOT	-0.12867916E-1	AYP	0.77569178
YMR	-432.97859	JBAR	432.97859	VYBDOT	-0.34533044E-1	AZP	-32.058404
ZMR	-19965.550	TBAR	19946.911	VZBDOT	0.35855262E-2	VXP	67.389759
LMR	-5459.3799	LBARM	-1414.2962	PDOT	-0.48452913E-3	VYP	0.0
MMR	14575.862	MBARM	-6936.0676	QDOT	-0.72125819E-5	VZP	5.2932611
NMR	27696.719	NBAR	28926.054	RDOT	-0.21581300E-3	RSTR.	0.0
XMF	-199.44535	XT	7.2e14542	XIR	0.0	PSIDMG	0.0
YMF	0.0	YT	-7.5888248	YIR	920.96311	BTR	0.0
ZMF	291.64695	ZT	31.138914	ZIR	-327.92439	MADD	0.0
LMF	0.0	LT	-16.880685	LTR	5505.7159	XADD	0.0
MMF	-5112.6976	MT	695.16576	MIR	-10160.190	YADD	0.0
NMF	0.0	NT	211.67241	NTR	-27914.840	ZADD	0.0
XMT	9.2170101	XVT	-1.9961556	ALFMTT	-0.81411409	NADD	0.0
YMT	0.0	YVT	-7.5888248	ALFVTT	0.0	LADD	0.0
ZMT	30.645697	ZVT	1.0932174	AABB1P	2.5042556		

WEIGHT	19950.0	PSCG	3nn.2nnnn	V	80.0	PSITRE	0.0
IX	6ch6.n	HLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	81567.F	RHO	0.2378nnnnE-2	VSOUNC	1117.0	VYSTR.	0.0
IZ	3ccc9.0	TIME	0.2nr4nnnnE-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.r19999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.rr1nF	NSSS	5.0	THSTTR	-18.0	HLV1	273.0
KPR	15.0	PASCNT	1440.F	HCMT	259.0	PSVT	695.0
FSMT	7nn.4nnnn	SMI	45.0	SV1	52.300000	QSTR.	0.0
LATSTR	-1.c1ccfrc	A1S	-1.6550948	IM1	14.350139	XA	43.673511
LNGSTR	5.3653850	B1S	5.1289117	IS	-3.0	XB	31.041190
COLSTR	10.721010	THETAB	10.721016	TM75MR	6.6410101	XC	39.086350
PEDAL	12.731573	THETTR	20.221092	TM75TR	6.72109c7	XP	46.387755
XAIR	0.3073518	XBIR	3.1041190	XCIR	3.9006350	XPIR	2.5089527
XBALIP	55.995114	XHACT1	3.5905114	RSTR.	0.0	PSTR	0.0
VXB	101.10504	THETAB	3.7228496	A#0P	3.9494658	QSTR	0.0
VYB	13.1c8rc0	Phio	0.0	AA1P	-2.6165674	RSTR	0.0
VZB	0.3094000	BETAMP	0.3092980	BB1P	0.3854000nE-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.3200075	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.24000342	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.11780131	MHITR	0.0
ALPHP	-5.3374417	EKTX	1.3646567	EKMPX	0.88002000	LMITR	0.0
CMITPP	76.184376	EKTZ	1.8481718	EKMPZ	1.0110156	GMITR	0.0
EKTR	0.0	EPSMT	0.51309295	SIGMT	1.0522727	XITR	0.0
QMP	16.564457	RUMT	0.87177979	RDVT	0.79371616	YITR	0.0
MUXS	0.1594500a	CTSIG	0.81401667E-1	LIDT	-5.5021200	ZITR	0.0
MUYS	0.1n1nn4566E-1	CHSIG	-0.28445609E-2	DTDT	25.572674	LITR	0.0
MUZS	0.1764771nE-2	CUMSIG	0.63440365E-6	TIR	617.72429	MITR	0.0
LAMBMR	-0.2263740nE-1	NZ	0.99786500	HPMR	1178.1691	NITR	0.0
DWSPMR	0.2447c1nnE-1	VC	0.35762706E-5	KTRBLR	1.0	AXP	2.0963005
XMR	1647.5645	HBAR	-660.63535	VXBDDT	0.6375947JE-2	AYP	-0.19661944E-2
YMR	-305.11219	JBAR	305.11219	VYBDDT	-0.25546164E-2	AZP	-52.106148
ZMR	-16626.017	TBAR	16687.912	VZBDDT	0.80409847E-3	VXP	101.16604
LMR	-4478.5nc6	LBARM	-1426.9873	PDDT	0.194215n2E-3	VYP	13.126026
MMR	1412n.230	MBARM	-7116.8778	QDDT	-0.37627559E-3	VZP	6.5844088
NMR	25250.000	NBAR	25961.978	RDDT	-0.87469705E-4	RSTR.	0.0
XMF	-557.44417	XT	-16.808468	XTR	0.0	PSIDMG	0.0
YMF	-270.53410	YT	-1n6.52396	YTR	768.46662	BTR	4.0
ZMF	97.1nn650	ZT	-38.698637	ZTR	-279.69951	MADD	0.0
LMF	519.55280	LT	-252.68781	LIR	4694.3325	XADD	0.0
MMF	-4557.5044	MT	-1118.1092	MTR	-8666.0251	YADD	0.0
NMF	-2547.47c2	NT	2966.9762	NTR	-23609.657	ZADD	0.0
XMT	-16.n49758	XVT	1.2012702	ALFMTT	0.80923687	NADD	0.0
YMT	-1.1947755	YVT	-105.12919	ALFVTT	7.9729576	LADD	0.0
ZMT	-55.4047fn	ZVT	-0.26686d93	AABB1P	2.6168512		

WEIGHT	19960.0	FSCG	360.20000	V	80.0	PSITR2	0.0
IX	6266.1	XLCG	246.24999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780700E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.2600000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMP	27.019999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	164.52300	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KFR	13.0	PASCNT	1259.0	WLMT	234.0	FSVT	695.0
FSMT	700.44000	SMT	45.0	SVT	32.340000	QSTR.	0.0
LATSTR	-0.09315247	A1S	-1.5454155	IMT	0.59358695	XA	44.417797
LNGSTR	0.0364056	B1S	0.1953457	IS	-5.0	XB	21.602806
COLSTR	16.612650	THETA0	16.612450	THTSMR	6.7325506	XC	39.579867
PEDAL	11.417650	THETTR	19.416839	THTSTR	5.5168395	XP	49.951045
XAIR	4.3417796	XBIN	2.1002805	XCIN	3.9579067	XPIN	2.6972863
XBALTR	23.636863	XBACTI	2.5636863	RSIR.	0.0	PSTR	0.0
VXM	134.60548	THETAB	5.3378350	AA0P	3.9493450	QSTR	0.0
VYB	12.677650	PHIB	0.0	AA1P	-5.1264332	RSTR	0.0
VZB	12.577139	BETAWP	4.6942014	BB1P	0.81208165E-1	TITR	0.0
P	0.0	GAMC	0.0	AAML	-4.2899468	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.30038820	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.35524411	MMITR	0.0
ALPHP	-0.4867766	ERTX	1.4073610	ERWPX	0.91881679	LMITR	0.0
CMITPP	81.447446	ERTZ	1.6000376	ERWPZ	1.0085525	QMITR	0.0
ERTR	0.1	EPSMT	0.49694201	SIGMT	0.82617948	XITR	0.0
QWP	25.405063	RUMT	0.67177979	RUVT	0.82610313	YITR	0.0
MUXS	0.1863156E	CTSIG	0.8218979E-1	CTOT	2.3915482	ZITR	0.0
MUYS	0.1668165E-1	CMSIG	-0.5976573E-2	QTOT	24.518840	LITR	0.0
MUZS	0.7566729E-2	CUMSIG	0.6548592E-6	TIR	850.17669	MITR	0.0
LAMBMP	-0.1116366E-1	NZ	0.99578244	RPMR	1162.6345	NITR	0.0
DWSHMR	0.1876735E-1	VC	-0.7152557E-5	KIRBLR	1.0	AXP	2.9882978
XMR	2363.0555	MBAR	-1367.0166	VXBDOT	-0.49460152E-2	AYP	0.21466639E-2
YMR	-319.39965	JBAR	319.39966	VYBDOT	0.8198752QE-6	AZP	-32.038126
ZMR	-19976.578	TBAR	19976.784	VZBDOT	-0.57830071E-2	VXP	134.60548
LMR	-4956.5729	LBARM	-1814.5172	PDOT	0.45116379E-3	VYP	12.678958
MMR	3158.5126	MBARM	-13952.761	QDOT	-0.37894720E-5	VZP	12.577139
NMR	25009.515	QBAR	25065.787	RDOT	-0.51093498E-3	RSTR.	0.0
XWP	-611.57913	X1	1.2539170	XIR	0.0	PSIDMG	0.0
YWP	-518.67208	Y1	-142.13058	YIR	780.16919	BTR	0.0
ZWP	-55.496263	Z1	502.93865	ZIR	-283.45888	MADD	0.0
LWP	508.62475	L1	-318.28750	LIR	4765.8194	XADD	0.0
MWP	-2962.5278	M1	8002.0505	MIR	-8797.9925	YADD	0.0
NWP	-2865.4990	N1	5966.2674	NIR	-24172.259	ZADD	0.0
XMT	5.1511051	XV1	-5.8771881	ALFMT1	-4.2022194	NADD	0.0
YMT	-1.0317280	YV1	-140.29887	ALFVT1	5.1838417	LADD	0.0
ZMT	502.61555	ZV1	0.32530441	AABB1P	5.1270763		

UTIAS(S/6) 1-21-77 30-AUG-77 RUN 24.

WEIGHT	17967.3	FSCG	360.20002	V	100.0	PSITR2	0.0
IX	6280.4	RLCG	240.24949	DELS	-5.0	VXSTR.	0.0
IY	41567.2	RHO	0.23760000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	50269.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.9119999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62[illegible]	NOSS	5.0	THSITR	-18.0	RLVT	273.0
RFR	15.0	PASCNT	650.0	XLMT	234.0	FSVT	695.0
FSMT	7[illegible]	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-0.8[illegible]29745	AIS	-1.3677168	IMT	-1.8797819	XA	44.623453
LNGSTR	0.9731811	BIS	9.4976035	IS	-5.0	XB	18.292716
COLSTR	17.340654	THETA0	17.340654	THTSMR	7.2686542	XC	42.929090
PEDAL	18.857654	THETTR	18.980239	THTSTR	5.4002394	XP	52.057400
XAIN	4.9625493	XBIN	1.8292716	XCIN	4.2929089	XPIN	2.8110269
XBALTP	21.352121	XBALTI	2.8552121	RSTR.	0.0	PSTR	0.0
VXB	155.46774	THETA0	4.5166793	AA0P	3.9197562	QSTR	0.0
VYB	11.456982	PHIB	0.0	AA1P	-5.6288775	RSTR	0.0
VZB	13.309229	BETAMP	3.6681342	BB1P	0.12125720	TITR	0.0
P	0.0	GAMC	0.0	AA2L	-4.6822006	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.31435992	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.41952587	MMITR	0.0
ALFMP	0.7[illegible]2178	ERTX	1.3719251	ERMPX	0.92853146	LMITR	0.0
CHITPP	82.144724	ERTZ	1.6431150	ERMPZ	1.0078052	QMITR	0.0
ERTR	0.0	EPSRT	0.48668135	SIGRT	0.64559151	XITR	0.0
QWP	30.[illegible]	KGRT	0.87177979	RGVT	0.83105651	YITR	0.0
MUXS	0.[illegible]	CTSIG	0.8[illegible]50E-1	CIGT	5.8025324	ZITR	0.0
MUYS	0.1340[illegible]7E-1	CMSIG	-0.01439803E-2	DICT	24.536173	LITR	0.0
MUZS	0.81[illegible]5E-2	CWMSIG	0.8[illegible]3536E-6	TTR	922.25174	MITR	0.0
LAMBMR	-0.8[illegible]E-2	NZ	0.99695683	HPMR	1264.5059	NITR	0.0
DWSMMR	0.1[illegible]E-1	VL	0.0	RIRBLR	1.0	AXP	2.5064591
XMR	2421.2213	MBAR	-1[illegible]5.8691	VXBDOT	-0.2722[illegible]E-1	AYP	-0.41892049E-2
YMR	-319.71794	JMAR	319.71794	VYBDOT	0.22952[illegible]E-2	AZP	-32.077426
ZMR	-19961.240	TBAR	19963.510	VZBDOT	-0.34188508E-2	VXP	168.46774
LMR	-5441.7[illegible]	LBARM	-2234.3714	PDOT	-0.14403449E-2	VYP	11.456982
MMR	1651.9269	MBARM	-15[illegible]6.586	QDOT	-0.29652105E-3	VZP	13.309229
NMR	25134.[illegible]3	NBAR	25841.164	RDOT	0.15615332E-2	RSTR.	0.0
XWP	-910.[illegible]31	XT	-23.175554	XTR	0.0	PSIDMG	0.0
YWP	-309.[illegible]1[illegible]2	YT	-179.[illegible]1	YTR	866.69760	BTR	0.0
ZWP	-1[illegible]6.[illegible]36	ZT	403.49751	ZTR	-515.45273	MADD	0.0
LWP	577.22524	LT	-39[illegible]6	LTR	5294.3961	XADD	0.0
MWP	-3319.[illegible]6	MT	11449.653	MTR	-9773.7772	YADD	0.0
NWP	-5244.7540	NT	4997.[illegible]8	NTR	-26853.180	ZADD	0.0
XMT	-1[illegible]1211	XVT	-10.594342	ALFMTI	-4.0134283	NADD	0.0
YMT	-1.[illegible]5	YVT	-177.[illegible]6	ALFVTI	3.8[illegible]27	LADD	0.0
ZMT	403.10280	ZVT	0.3947[illegible]922	AAMBIP	5.6301834		

WEIGHT	1990.2	FSCG	362.22622	V	122.2	PSITP2	2.2
IX	5656.7	WLCG	296.24999	UCL3	-3.6	VASTP.	2.2
IY	4156.2	G=C	2.2578660225-2	VSOUND	1117.2	VVSTP.	2.2
IZ	5666.7	TIME	6.6666666725-1	UCLSTP	2.2	VASTP.	2.2
CHCORD	27.219999	NOSS	8.6	THETTP	-18.2	PSTP.	2.2
SPCORD	126.66666	NOSS	5.6	THSITP	-18.6	RHOVT	273.2
REF	13.0	PASCNT	629.2	RHOT	256.2	PSVT	595.2
PSHT	766.66666	SHT	45.6	SVT	36.566666	QSTP.	2.2
LATSTK	-2.967155E6	AIR	-1.8622228	I-T	-3.7721621	XA	43.832417
LNGSTK	1.3566595	PIR	11.366891	IR	-3.6	XB	16.796119
COLSTK	18.372151	THETAC	18.372151	THTSTP	8.2921315	XC	69.325823
PEQAL	1.1.3636	THETTP	19.573613	THTSTP	6.2136158	XP	51.595456
XAIR	8.5937515	XEIN	1.2797119	XCIR	8.9325823	XPIP	2.8982779
XCALTP	15.5+3667	XCALTI	1.5563667	PSTP.	6.6	PSTP	6.6
XXB	2+2.3966+3	THETAB	3.8825853	XAUP	3.9537528	QSTP	2.2
YYB	16.136676	P=IB	6.6	AAIP	-6.6264626	=STP	2.2
YZB	15.755518	RETAAP	3.2957269	RGIP	6.819221958-1	TITP	2.2
B	6.6	BAMG	6.6	AACL	-5.5717466	=LTP	2.2
B	2.2	DPSBAT	1.2	ABIL	2.35855327	JITP	2.2
B	6.6	PSIDOT	6.6	BBIL	2.54623471	P=ITP	2.2
ALPHA	1.2675316	BETX	1.4232583	EPAPX	2.9218566S3	LMITP	2.2
CHIPP	61.5+16+9	BETZ	1.0445896	EPAPZ	1.2685161	JMITP	6.6
BETP	2.6	EPSAT	6.68298722	SIGAT	2.58221437	XITP	2.2
RHOB	53.614466	RHOT	6.67177979	RHOT	2.85288635	YITP	2.2
=LXS	2.27972882	CTSIG	2.826926258E-1	LTOT	8.3275952	ZITP	2.2
=LYS	6.16+9+9262E-1	CMSIG	-6.896596655E-2	DTOT	64.527542	LITP	2.2
=LZS	2.25+9526E5E-2	CPMSIG	6.6318816E6E-8	TTB	1113.9291	=ITP	2.2
LAPSP	-6.6+++6666E+E	NZ	6.997696L5	RHOB	1562.4665	NITP	2.6
DASPP	2.1++++216E5+1	VL	6.6	RTPSLP	1.2	AXP	2.1716597
XPP	6616.7116	PSAP	-1416.3235	XXBODY	6.7+6922E5E-3	AYP	-6.3237+8585E-1
YPP	6553.25766	JSAP	363.25766	YYBODY	67.182922E695E-1	AZP	632.2786979
ZPP	-1+666.766	TSAP	1+141.651	YZBODY	6.1459356E5E-1	VXP	262.36263
LPP	-6666.766	LSAPP	-6961.2552	PBODY	-62.112665186E-1	VYP	12.153678
PPP	-6+64.3+76	PPAPP	-17667.796	QBODY	2.5246591SE-2	VZP	13.7335L2
NPP	6+++6.655	QSAP	37666.692	RBODY	-62.6467695156-2	PSTP.	2.2
XAP	-1676.7576	XT	-47.962595	XIR	2.2	PSI=6	2.2
YAP	6657.65567	YT	-6235.32979	YYB	1266.7172	QTP	6.6
ZAP	-6671.+4669	ZT	644.96711	ZTP	-581.6766+4	WADD	2.6
LAP	766.76676	LT	-515.91625	LTP	6596.6692	XADD	2.2
MAP	-6+65.+676	MT	16176.161	MTP	-11674.911	YADD	2.2
NAP	-4666.6667	NT	6669.5876	NTP	-32+35.669	ZADD	2.2
XHT	-5+.6566+5.	XVT	-17.216165	ALPHTT	-4.6746:36	WADD	2.2
YHT	69.3366111	YVT	-6232.99376	BETATT	3.2221917	LADD	2.2
ZHT	6+4.6+6+6	ZVT	4.2745356+6	AACCIP	6.6665166		

WEIGHT	15922.7	PSCG	362.26722	T	182.2	PSITR2	2.2
IX	5222.2	ALCG	246.29999	DELS	-5.6	VXSTR.	2.2
IY	61557.2	RHO	2.2378227E-2	VSOUND	1117.2	VYSTR.	2.2
IZ	5222.2	TIME	2.2222222E-1	DELSMX	0.2	VZSTR.	2.2
OMEGAX	27.019999	MACH	4.2	THSTMX	-18.7	PSTR.	2.2
OMEGAY	1222.22222	ALSO	5.2	THSTTR	-18.2	RLVT	273.2
RPM	15.2	PASLNT	357.2	XLMT	238.2	PSVT	599.2
FSMT	7222.2222	SMT	45.6	SVT	32.322222	QSTR.	2.2
LATSTK	-1.3P14761	AIS	-2.3595522	IMT	-4.9815523	XA	81.356211
LNGSTK	12.53/4.5	BIS	14.191254	IS	-3.2	XB	5.3446619
DELSTK	19.2291P3	THETAE	19.889183	THTSMX	9.8291839	XC	52.827402
PEDAL	9.2431124	THETTR	26.736139	THTSTR	7.4361345	XP	54.864959
XAIR	8.1353211	XBIR	2.53888819	XCIR	5.8P27399	XPIR	2.9825297
RDALTR	6.2222.23	RHALTI	2.4292P2268	PSIR.	2.2	PSTR	2.2
VXB	239.1222	THETAB	3.417P8P2	AAZP	3.9788389	QSTR	2.2
VYB	14.2272277	RHIB	6.6	AAIP	-2.2736641	PSTR	2.2
VZB	14.1282112	DELAMP	3.3121981	BBIP	-2.25183197	TITR	2.2
P	2.2	GAML	2.2	AAAL	-7.2156824	HITR	2.2
Q	2.2	ORGMAT	1.2	XBIL	2.2291P279	JITR	2.2
R	2.2	PSIDOT	2.2	BBIL	2.7377P273	RHITR	2.2
ALPHA	1.8824P35	ERIX	1.5188539	EPHPX	2.9657453P	LHITR	2.2
CHITRR	22.2221967	ERIZ	1.6782474	EPHPZ	1.2295562	QHITR	2.2
ERIR	2.2	EPSRT	2.2831P197	SIGRT	2.5229P588	XITR	2.2
GAM	72.5P2535	RHI	2.2/177974	RHT	2.2327P792	YITR	2.2
MUXS	2.3P2317P2	CPSIG	2.2311P955E-1	CTOT	2.9213139	ZITR	2.2
MUYS	2.1744P7222E-1	CHSIG	-2.2159321PE-2	DTOT	24.2751P8	LITR	2.2
MUZS	2.2512182122-2	CUMSIG	P.6394P1P12E-6	TTR	1412.5165	MITR	2.2
LAMSMX	-2.2647332P2E-2	NZ	2.9999729P	RHMR	1928.7232	NITR	2.2
UPSMAG	2.1P2139P22E-1	VL	2.7152557JE-5	RTMBLK	1.2	AXP	1.9265274
XMM	2249.2224	MBAR	-1893.2357	VXBDOT	-2.282451166E-1	AYP	-2.16698577E-1
YMM	-222.22497	JBAR	399.22497	VYBDOT	-2.252858522E-2	AZP	-52.183417
ZMM	-19132.422	IBAR	19256.412	VZBDOT	-2.4192P9P1E-1	VXP	256.16692
LMM	-2224.2252	LBARM	-2232.2417	PDOT	-2.44162589E-2	VYP	14.297877
MMM	-7411.1-12	MBARM	-2.1729.536	QDOT	-2.2221252E-2	VZP	14.124114
NMM	5/222.727	NBAR	3.2411.968	RDOT	2.24963726E-2	PSTR.	2.2
XAB	-1771.6575	XT	-77.268478	XIR	2.2	PSIDMG	2.2
YAB	-212.22252	YT	-212.22687	YIR	1331.1241	BTR	2.2
ZAB	-222.22754	ZT	956.22633	ZIR	-464.51415	XADD	2.2
LAB	972.22222	LT	-697.7P122	LTR	8131.2557	YADD	2.2
MAB	-2112.2222	MT	2/122.274	MTR	-15211.863	ZADD	2.2
NAB	-2227.2223	NT	2291.2281	NTR	-41244.675	MADD	2.2
XDT	-22.2221222	XVT	-23.2247541	ALPHTI	-5.2759495	LADD	2.2
YDT	-2.227/1122	YVT	-212.17476	ALPVTI	3.3942512		
ZDT	922.7/2222	ZVT	2.1212P9P63	AABETP	2.2745127		

WEIGHT	1990[illegible]	FSCG	360.20000	V	150.0	PSITR2	0.0
IX	8[illegible]	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	3[illegible]	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGAR	27.019999	NBSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	1[illegible]	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	545.0	WLRT	234.0	FSVT	695.0
FSMI	[illegible]	SMI	45.0	SVT	32.500000	QSTR.	0.0
LATSTK	-1.7014538	A1S	-2.7688096	IHT	-5.6004066	XA	39.365913
LNGSTK	15.[illegible]	B1S	15.688911	TS	-3.0	XB	1.2172113
COLSTK	20.842678	THETAW	20.842678	TH75MR	10.762678	XC	64.766739
PEDAL	9.4193282	THETTR	21.654542	TH75TR	8.3545420	XP	55.490884
XAIN	3.9306913	XBIN	0.12172113	XCIN	6.4766739	XPIN	2.9964298
XBACIP	-[illegible]	XBACTI	-0.68600302E-1	RSTR.	0.0	PSTR	0.0
VXB	253.09068	THETAB	3.1818554	AAGP	4.0124304	QSTR	0.0
VYB	15.289736	PHIB	0.0	AA1P	-8.8650206	RSTR	0.0
VZB	14.070379	BETAWP	3.3652548	BB1P	-0.44662349	TITR	0.0
P	0.0	GAMC	0.0	AAGL	-8.6208362	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.44952033	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.84590157	MHITR	0.0
ALFWP	1.4567454	EKTX	1.5412353	EKWPX	0.89614266	LMITR	0.0
CHIPP	79.649353	EKTZ	1.6987666	EKWPZ	1.0103506	QHITR	0.0
EKTH	0.0	EPSRT	0.48365254	SIGWT	0.59228487	XITR	0.0
QWF	80.552617	KGMT	0.87177979	KGVT	0.85251304	YITR	0.0
MUXS	0.3496[illegible]	CTSIG	0.83352885E-1	LTOT	4.9574282	ZITR	0.0
MUYS	0.21[illegible]44E-1	CHSIG	-0.89056100E-2	DTOT	24.688271	LITR	0.0
MUZS	0.11[illegible]9E-2	CQMSIG	0.64451969E-6	TTR	1615.1310	MITR	0.0
LAMBMR	-0.9[illegible]3E-2	NZ	0.99893649	HPMR	2171.7298	NITR	0.0
DWSHMR	0.16[illegible]6E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	1.7512953
XHR	3[illegible]	MBAR	-2066.3996	VXBDOT	-0.25609034E-1	AYP	-0.10429558
YMR	-466.5[illegible]	JBAR	466.5[illegible]	VYBDOT	-0.49832113E-1	AZP	-32.140161
ZMR	-1965[illegible]	TBAR	19367.066	VZBDOT	-0.17732964E-1	VXP	253.09068
LMR	-5770.9875	LBARM	-4679.8183	PDOT	-0.28621096E-1	VYP	15.289736
MMR	-1[illegible]	MBARM	-23058.565	QDOT	0.46496791E-2	VZP	14.070379
NMR	43127.215	QBAR	44206.196	RDOT	0.11705986E-2	RSTR.	0.0
XWF	-195[illegible]	XT	-94.634451	XTR	0.0	PSIDMG	0.0
YWF	-711.87796	YT	-368.90397	YTR	1517.8395	BTR	0.0
ZWF	-445.61166	ZT	1184.2084	ZTR	-552.44948	MADD	0.0
LWF	1163.7017	LT	-806.89806	LTR	9272.0273	XADD	0.0
MWF	-5749.3504	MT	33562.126	MTR	-17116.726	YADD	0.0
NWF	-6284.0601	NT	10294.347	NTR	-47027.728	ZADD	0.0
XHT	-[illegible]	XVT	-26.786145	ALFHTT	-5.7593207	NADD	0.0
YHT	-[illegible]	YVT	-368.82295	ALFVTT	3.4341392	LADD	0.0
ZHT	1104.1342	ZVT	0.74287805E-1	AACBIP	8.8762639		

WEIGHT	19920.0	FSCG	300.20000	V	1.0E-2	PSITRZ	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.2	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSITR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1112.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-0.25553810	A1B	-1.3575885	IMT	33.298333	XA	48.482806
LNGSTR	2.9533516	B1B	1.5097903	IS	-3.0	XB	39.564128
COLSTR	21.179518	THETAB	21.179518	TH75MR	11.899518	XC	66.871990
PEDAL	21.402943	THETTR	34.242365	TH75TR	28.742365	XP	22.269526
XAIN	4.8482886	XBIN	3.9564128	XCIN	6.6871989	XPIN	1.2825228
XBACTP	46.332857	XBACTI	4.6332857	RSTR.	0.0	PSTR	0.0
VXB	0.16836478E-1	THETAB	4.9177889	AA2F	4.3218444	QSTR	0.0
VYB	0.0	PHIB	-3.8282926	AA1F	-1.7487551	RSTR	0.0
VZB	0.14486977E-2	BETAWF	0.0	BB1F	-1.4489151	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-0.1515352	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	-0.31647882E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.16558319	MMITR	0.0
ALFWF	-13.192597	EKTX	-0.28396965	EKWFX	0.79995393E-5	LMITR	0.0
CMITPP	-1.7167535	EKTZ	0.24629859	EKWFZ	0.11099368E-3	QMITR	0.0
EKTR	0.0	EPSMT	0.44999999	SIGMT	0.0	XITR	0.0
QWF	0.27418134E-6	KQMT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.23295389E-4	CTSIG	0.10857778	CTDT	-28.882235	ZITR	0.0
MUYS	0.0	CMSIG	-0.39785213E-2	DTDT	26.685217	LITR	0.0
MUZS	0.78082058E-6	CQMSIG	0.94317270E-6	TTR	1511.8263	MITR	0.0
LAMBMR	-0.68203924E-1	NZ	0.99481136	MPMR	2288.8252	NITR	0.0
DWBMMR	0.68284783E-1	VC	0.12781282E-3	KTRBLK	0.79599999	AXP	2.7839338
XMR	1647.3865	MBAR	-677.99169	VXBDDT	0.262651116E-1	AYP	1.7131147
YMR	-483.23115	JBAR	483.23115	VYBDDT	0.24989888E-1	AZP	-32.888749
ZMR	-10478.881	TBAR	10548.332	VZBDDT	-0.10857483E-2	VXP	0.16836478E-1
LMR	-8674.4494	LBARM	-3921.2577	PDDT	0.99288373E-4	VYP	0.0
MMR	15846.545	MBARM	-4822.8445	QUDT	0.18918559E-3	VZP	0.14486977E-2
NMR	44889.889	GBAR	44965.821	RDDT	0.35889888E-3	RSTR.	0.0
XWF	-0.58875121E-5	XT	4.5328712	XTR	0.0	PSIDMG	0.0
YWF	0.0	YT	-0.34983517E-6	YTR	1819.9878	BTR	0.0
ZWF	0.71784845E-5	ZT	5.8768797	ZTR	-516.83483	MADD	0.0
LWF	0.0	LT	-0.77688327E-6	LTR	8674.2758	XADD	0.0
MWF	-0.14348742E-3	MT	171.23385	MTR	-16013.248	YADD	0.0
NWF	0.0	NT	2.9738813E-5	NTR	-43995.932	ZADD	0.0
XMT	4.5328713	XVT	-0.79688544E-7	ALFMTT	-7.6754474	MADD	0.0
YMT	0.0	YVT	-0.34983517E-6	ALFVTT	0.0	LADD	0.0
ZMT	5.8768797	ZVT	0.68644258E-7	AABB1F	2.2648584		

WEIGHT	19900.0	PSCG	360.20000	V	40.0	PSITR2	0.0
IX	6260.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41987.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KPR	15.0	PASCNT	900.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-2.1118964	AIB	-3.0744206	IMT	31.566110	XA	36.000647
LNGSTK	4.2085735	BIB	4.4329725	IS	-3.0	XB	34.846829
COLSTK	19.024095	THETAB	19.024095	THTSMR	9.7448953	XC	58.485596
PEDAL	14.592477	THETTR	25.606352	THTSTR	12.306352	XP	41.149706
XAIN	3.6000647	XBIN	5.4846829	XCIN	5.8485596	XPIN	2.2228263
XBACTP	41.459425	XBACTI	4.1459425	RSTR.	0.0	PSTR	0.0
VXB	67.387914	THETAB	4.5089364	AABP	4.3226695	QSTR	0.0
VYB	0.0	PHIB	-1.6793969	AAIP	-2.2761907	RSTR	0.0
VZB	5.3143565	BETAWP	0.0	BBIP	-0.34030161	TITR	0.0
P	0.0	GAML	0.0	AA0L	-6.2976218	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.28227894	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.83421805E-1	MMITR	0.0
ALFWP	-18.001514	EXTX	0.97010370	EXWPX	0.69254940	LMITR	0.0
CMITPP	62.503007	EXTZ	2.0276011	EXWPZ	1.0349923	QMITR	0.0
EXTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWP	7.9519971	XQMT	0.93491045	XGVT	0.64852813	YITR	0.0
MUXS	0.93284727E-1	CTSIG	0.11159621	LTOT	-31.003029	ZITR	0.0
MUYS	0.0	CMSIG	-0.36550643E-2	DTOT	30.001272	LITR	0.0
MUZS	0.24552929E-2	CQMSIG	0.94352743E-6	TTR	1162.8247	MITR	0.0
LAMBMR	-0.43902022E-1	NZ	0.99648052	MPMR	1706.5724	NITR	0.0
DWSMMR	0.46357315E-1	YC	0.14213562	XTRBLK	1.0	AXP	2.5326545
XMR	1620.6327	MBAR	-624.26542	VXBDOT	0.29748892E-2	AYP	0.91491784
YMR	-545.89594	JBAR	545.89594	VYBDOT	-0.26240981E-1	AZP	-32.058373
ZMR	-18995.496	TBAR	19855.761	VZBDOT	0.52673799E-3	VXP	67.387914
LMR	-6650.2716	LBARM	-1589.1658	PDOT	0.79995752E-3	VYP	0.0
MMR	15605.866	MBARM	-6076.9498	QDOT	-0.28757559E-3	VZP	5.3143565
NMR	33704.524	QBAR	34737.781	RDOT	0.10929961E-3	RSTR.	0.0
XWP	-150.67815	XT	32.488064	XTR	0.0	PSIDMG	0.0
YWP	0.0	YT	-5.5832778	YTR	1092.7798	BTR	4.0
ZWP	388.28732	ZT	65.735587	ZTR	-397.73983	MADD	0.0
LWP	0.0	LT	-12.422793	LTR	6675.4602	XADD	0.0
MWP	-5192.1344	MT	1988.9407	MTR	-12323.305	YADD	0.0
NWP	0.0	NT	155.77345	NTR	-33857.937	ZADD	0.0
XMT	33.884168	XVT	-1.3962956	ALFMTT	-1.9713439	NADD	0.0
YMT	0.0	YVT	-5.5832778	ALFVTT	0.0	LADD	0.0
ZMT	64.818148	ZVT	0.92536787	AABBIP	2.3214885		

WEIGHT	19922.0	FSCG	360.22222	V	62.2	PSITR2	2.2
IX	6268.0	WLCG	246.29999	DELB	-5.2	VXSTR.	2.2
IY	41587.0	RHO	2.1752222E-2	VSOUND	1277.2	VYSTR.	2.2
IZ	38224.0	TIME	0.2222222E-1	DELSMR	2.2	VZSTR.	2.2
OMEGMR	27.819999	NBSS	4.2	THSTMR	-18.2	PSTR.	2.2
OMEGTR	124.62222	NSSB	5.2	THSTTR	-18.2	WLVT	273.2
KFR	15.2	PASCNT	1553.2	WLHT	234.2	FSVT	595.2
FSMT	788.40222	SMT	45.6	SVT	32.322222	GSTR.	2.2
LATSTR	-1.1198111	A1B	-1.9965166	IMT	23.267562	XA	43.226162
LNGSTR	4.9373581	B1B	5.2766767	IS	-3.2	XB	32.553564
COLSTR	18.999452	THETA2	18.999452	THTSMR	8.9194522	XC	53.246576
PEDAL	13.753222	THETTR	23.976342	THTSTR	12.476342	XP	43.476933
XAIN	4.3886182	XBIN	3.2553524	XCIN	5.3246576	XPIN	2.3476933
XBACTP	37.114212	XBACTI	3.7114212	RSTR.	2.2	PSTR	2.2
VXB	181.25935	THETAB	2.9332453	AA2F	4.1689293	QSTR	2.2
VYB	16.678724	PHIB	2.2	AA1F	-1.4526229	RSTR	2.2
VZB	5.1887184	BETAWF	7.7441239	BB1F	-2.2483444 1E-1	TITR	2.2
P	2.2	GAMC	2.2	AA2L	-5.2321924	HITR	2.2
Q	2.2	OMGRAT	1.2	AA1L	2.23417631	JITR	2.2
R	2.2	PSIDOT	2.2	BB1L	-2.12539813E-1	MMITR	2.2
ALFWF	-2.7549214	EKTX	1.2497272	EKWFX	2.84975286	LMITR	2.2
CHITPP	75.432279	EKTZ	1.9558445	EKWFZ	1.2145679	QMITR	2.2
EKTR	2.2	EPSMT	2.52744183	SIGAT	1.2222688	XITR	2.2
QWF	13.488374	KQMT	2.87177979	KQVT	2.76237277	YITR	2.2
MUXS	2.13985266	CTSIG	2.11811818	LTOT	-2.4598218	ZITR	2.2
MUYS	2.22995796E-1	CMSIG	-2.21122924E-2	DTOT	27.337912	LITR	2.2
MUZS	-2.1029753 9E-3	CQMSIG	2.98996988E-6	TTR	936.73672	MITR	2.2
LAMBMR	-2.325883 47E-1	NZ	2.99857626	HPMR	1372.6982	NITR	2.2
OMSMMR	2.324253712E-1	VC	2.35762786E-5	KTRBLK	1.2	AXP	1.6417881
XMR	1344.2279	MBAR	-368.68732	VXBDOT	-2.44624523E-2	AYP	2.77761646E-2
YMR	-585.44589	JBAR	589.44589	VYBDOT	2.81995188E-2	AZP	-32.127888
ZMR	-18757.271	TBAR	18883.377	VZBDOT	2.11826538E-2	VXP	181.25935
LMR	-5737.8862	LBARM	-1261.9444	PDOT	2.15221422E-2	VYP	16.678724
MMR	18998.354	MBARM	-3948.9629	QDOT	-2.48187189E-4	VZP	5.1887184
NMR	26968.184	QBAR	27988.964	RDOT	2.457494 56E-3	RSTR.	2.2
XWF	-311.31281	XT	-58.815627	XTR	2.2	PSIDMG	2.2
YWF	-275.75858	YT	-95.436484	YTR	882.31882	BTR	4.2
ZWF	162.67463	ZT	-145.81911	ZTR	-322.42726	HADD	2.2
LWF	573.31927	LT	-285.43988	LTR	5377.5582	XADD	2.2
MWF	-4865.8771	MT	-4287.6632	MTR	-9927.2849	YADD	2.2
NWF	-2336.7992	NT	2063.6319	NTR	-27274.938	ZADD	2.2
XMT	-63.153215	XVT	4.3375888	ALFMTT	3.5482947	NADD	2.2
YMT	-2.1249018	YVT	-93.311442	ALFVTT	12.635836	LADD	2.2
ZMT	-144.28142	ZVT	-1.5376859	AABB1F	1.4528286		

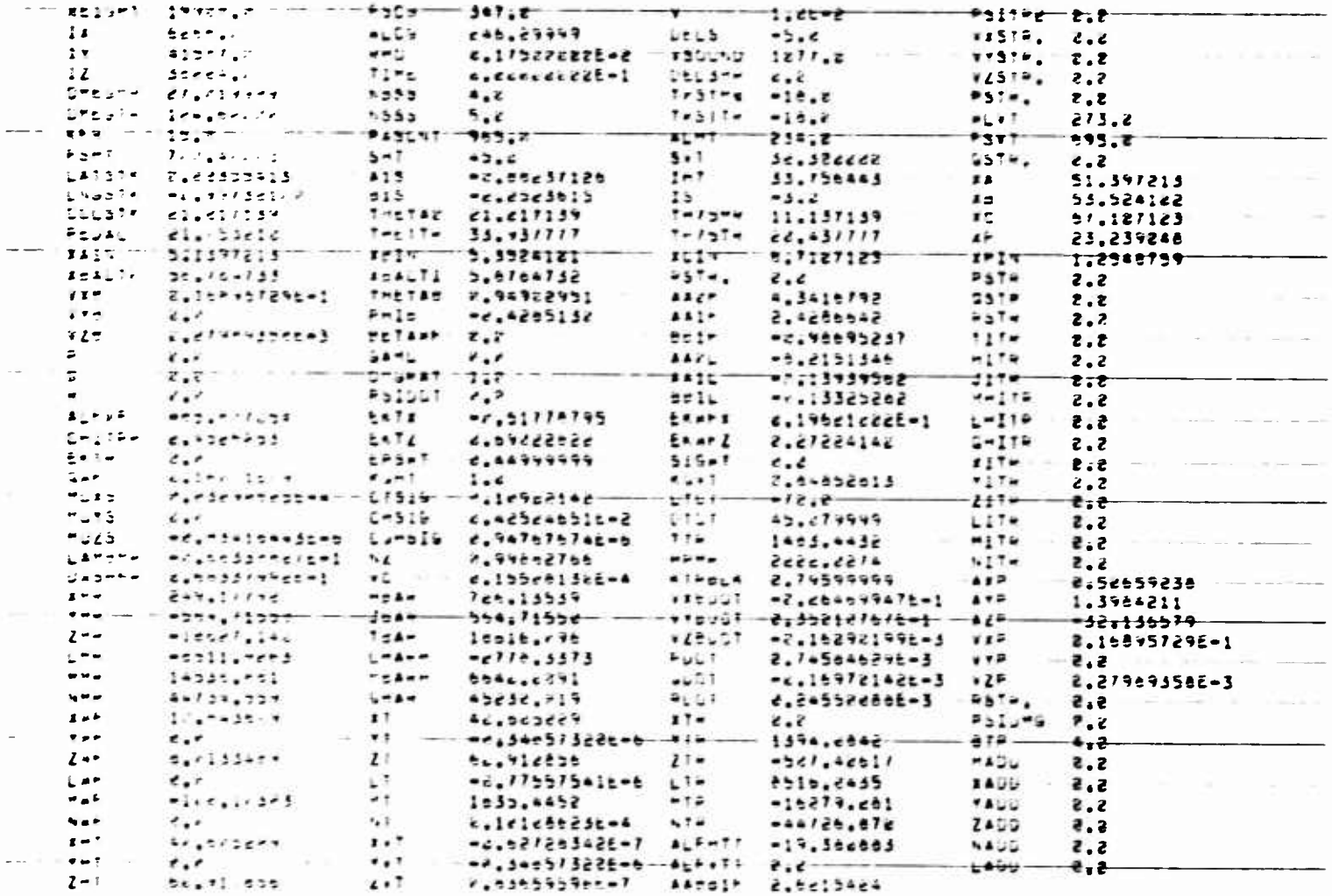
WEIGHT	19960.0	FSCG	300.00000	V	88.0	PSITRB	0.0
IX	6260.0	WLCG	246.2999	DELB	-5.0	VXBTR.	0.0
IY	41587.0	RHO	0.1758[illegible]E-2	VSOUND	1077.0	VYBTR.	0.0
IZ	38224.0	TIME	0.2000[illegible]E-1	DELBMR	0.0	VZBTR.	0.0
OMEGMR	27.619999	NBBB	4.0	THBTMR	-10.0	PBTR.	0.0
OMEGTR	124.62000	NBSB	5.0	THBTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1190.0	WLMT	234.0	PBVT	695.0
FSMT	700.42000	BMT	45.0	BVT	32.322222	QBTR.	0.0
LATSTR	-1.2338148	A1B	-1.9874250	IMT	11.231011	XA	43.543657
LNGSTR	0.2627498	B1B	0.9193682	IB	-3.0	XB	27.878144
COLSTR	10.969427	THETAB	10.969427	THTBMR	0.8898278	XC	53.858928
PEDAL	11.068372	THETTR	22.855684	THTBTR	0.5556848	XP	48.781562
XAIN	0.3543657	XBIN	2.7878144	XCIN	5.3258919	XPIN	2.8298159
XBACTP	31.286871	XBACTI	3.1086871	RBTR.	0.0	PBTR	0.0
VXB	134.97611	THETAB	3.2269899	AAEP	0.1237846	QBTR	0.0
VYB	14.849855	PHIB	0.0	AA1P	-2.4435116	RBTR	0.0
VZB	7.6185747	BETAMP	5.2933397	BB1P	0.93327841E-1	TITR	0.0
P	0.0	GAMC	0.0	AA2L	-4.7915974	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.28228899	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.68913994E-1	MMITR	0.0
ALFMP	-4.2382783	EKTX	1.3921897	EKMPX	0.92184282	LMITR	0.0
CMITPP	82.141695	EKTZ	1.8647238	EKMPZ	1.2298583	QMITR	0.0
EKTK	0.0	EPSMT	0.58293339	SIGMT	0.91637412	XITR	0.0
QMF	28.386826	KSMT	0.87177979	KSVT	0.81519298	YITR	0.0
MUXB	0.18646744	CTBIG	0.11834624	LTDT	-1.7878262	ZITR	0.0
MUYB	0.19386538E-1	CMBIG	-0.34819237E-2	DTDT	24.756023	LITR	0.0
MUZB	0.7389[illegible]30E-3	CQMBIG	0.98211595E-6	TTR	989.93546	MITR	0.0
LAMBMR	-0.24252283E-1	NZ	0.99846366	MPMM	1324.3964	NITR	0.0
OMBMMR	0.24991184E-1	VC	0.0	RTRBLK	1.0	AXP	1.0121601
XMR	1566.1862	MBAM	-588.92884	VXBDOT	-0.17459512E-2	AYP	-0.84056562E-2
YMR	-459.42177	JBAR	459.42177	VYBDOT	-0.59645469E-2	AZP	-32.126245
ZMR	-18783.618	IBAR	18841.296	VZBDOT	-0.38497142E-2	VXP	134.97611
LMR	-5478.7869	LBARM	-1349.1199	PDOT	-0.25[illegible]E-2	VYP	14.849855
MMR	15266.629	MBARM	-6591.8728	QDOT	-0.24476364E-3	VZP	7.6185747
NMR	25603.832	QBAR	26551.249	RDOT	-0.25[illegible]E-3	RBTR.	0.0
XMF	-474.97789	XT	-17.677112	XTR	0.0	PSIDMG	0.0
YMF	-201.83292	YT	-117.37152	YTR	855.12321	BTR	0.0
ZMF	69.922186	ZT	-33.743696	ZTR	-311.24288	MADD	0.0
LMF	498.88969	LT	-257.81745	LTR	5223.6917	XADD	0.0
MMF	-4464.2285	MT	-969.32766	MTR	-9643.2525	YADD	0.0
NMF	-2491.3548	NT	3275.1273	NTR	-26494.567	ZADD	0.0
XMT	-15.962419	XVT	-1.7146923	ALFMTT	0.61877988	MADD	0.0
YMT	-1.0259891	YVT	-116.34562	ALFVTT	6.1385936	LADD	0.0
ZMT	-34.859252	ZVT	0.31535472	AAB1P	2.4452932		

WEIGHT	19900.0	PSCG	368.28282	V	122.0	PSITR2	0.0
IX	6200.0	WLCG	246.29999	DELB	-5.0	VXBTR,	0.0
IY	41507.0	RHO	0.175882808E-2	VBOUND	1277.0	VYBTR,	0.0
IZ	38224.0	TIME	0.200000000E-1	DELBMR	0.0	VZBTR,	0.0
OMEGMR	27.019999	NBBB	4.0	THBTMR	-10.0	PBTR,	0.0
OMEGTR	124.62000	NBBB	5.0	THBTTR	-10.0	WLVT	273.2
KPR	15.0	PABCNT	1175.0	WLMT	238.0	PBVT	895.0
PBMT	700.40000	BMT	45.0	BVT	32.300000	GBTR,	0.0
LATBTR	-1.1101300	A1B	-2.0304713	IMT	2.1130675	XA	43.201902
LNGBTR	0.5963733	B1B	9.6520767	IB	-3.0	XB	19.624122
COLBTR	19.473597	THETAB	19.473597	THTBMR	9.3935972	XC	56.289902
PEDAL	10.959439	THETTR	21.751756	THTBTR	0.2517561	XP	51.221335
XAIN	0.3861681	XBIN	1.9624122	XCIN	5.6289902	XPIN	2.7650021
XBACTP	21.604106	XBACTI	2.1604106	PBTR,	0.0	PBTR	0.0
VXB	160.59867	THETAB	0.0871015	AABP	0.1174103	QBTR	0.0
VYB	13.676693	PHIB	0.0	AAIP	-0.2922531	RBTR	0.0
VZB	11.011597	BETAMP	0.2915110	BBIP	0.11102172	TITR	0.0
P	0.0	GAMC	0.0	AABL	-5.2224270	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.30230792	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.21642114	MMITR	0.0
ALPMP	-0.96473657	EKTX	1.3310193	EKPX	0.92528845	LMITR	0.0
CMITPP	0.1.938497	EKTZ	1.7013254	EKPZ	1.2002614	NMITR	0.0
EKTR	0.0	EPBMT	0.49291510	BIGMT	0.75530590	XITR	0.0
QMP	29.220304	KQMT	0.07177979	KGVT	0.02025057	YITR	0.0
MUXB	0.23300292	CTBIG	0.1112799E	LTOT	1.5029220	ZITR	0.0
MUYB	0.10065794E-1	CMBIG	-0.61498629E-2	DTOT	24.430302	LITR	0.0
MUZB	0.48902137E-2	CGMBIG	0.09072594E-6	TTR	1023.6430	MITR	0.0
LAMBMR	-0.16107631E-1	NZ	0.99700522	HPMR	1415.3057	NITR	0.0
OMBMMR	0.20205844E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.2051700
XMR	2241.1202	MBAR	-1049.9914	VXBDOT	0.10256593E-1	AYP	-0.99519513E-3
YMR	-405.02420	JBAR	405.02420	VYBDOT	-0.31930300E-2	AZP	-32.077909
ZMR	-10085.179	TBAR	10967.597	VZBDOT	0.17376592E-1	VXP	160.59867
LMR	-5958.2469	LBARM	-1072.4700	PDOT	0.51290169E-3	VYP	13.670693
MMR	7920.4675	MBARM	-11064.525	QDOT	0.90179172E-3	VZP	11.011597
NMR	27918.784	QBAR	28000.902	RDOT	-0.51158222E-3	RBTR,	0.0
XMP	-692.11721	XT	-4.2170311	XTR	0.0	PBIDMG	0.0
YMP	-320.54306	YT	-150.71235	YTR	943.10013	BTR	0.0
ZMP	-34.014453	ZT	230.92310	ZTR	-343.29234	MADD	0.0
LMP	531.13401	LT	-330.35132	LTR	5701.0417	XADD	0.0
MMP	-3009.9150	MT	6560.6102	MTR	-10636.340	YADD	0.0
NMP	-2914.0.57	NT	4205.5040	NTR	-29223.050	ZADD	0.0
XMT	1.4734065	XVT	-5.6904377	ALPMTT	-2.9165212	NADD	0.0
YMT	-1.5334375	YVT	-149.17091	BETVTT	4.0779091	LADD	0.0
ZMT	230.42227	ZVT	0.50891092	AABBIP	4.0915759		

WEIGHT	19900.0	FSCG	360.20000	V	122.0	PSITR2	0.0
IX	6266.0	RLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1277.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.819999	NBBS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-10.0	RLVT	273.0
KFR	15.0	PASCNT	1217.0	RLMT	234.2	PSVT	695.2
FSMT	720.48000	SMT	45.0	SVT	32.322022	QSTR.	0.0
LATSTR	-1.3845175	A1S	-2.4158813	IMT	0.62765984	XA	41.340765
LNGSTR	9.6980124	B1S	11.042434	IS	-3.0	XB	15.756845
COLSTR	28.493240	THETAB	28.493240	TH75MR	12.413240	XC	62.582758
PEDAL	18.961510	THETTR	22.977398	TH75TR	9.4773981	XP	51.215595
XAIN	0.1346765	XBIN	1.5758845	XCIN	0.2982758	XPIN	2.7855722
XBACTP	15.887398	XBACTI	1.5887389	RSTR.	0.0	PSTR	0.0
VXB	282.54562	THETAB	2.7083863	AA2P	4.2883371	QSTR	0.0
VYB	14.149726	PHIB	0.0	AA1P	-4.6715623	RSTR	0.0
VZB	9.8658348	BETAMP	3.7617201	BB1P	0.93369974E-1	TITR	0.0
P	0.0	GAMC	0.0	AA2L	-6.3916177	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.81484158	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.22299142	HHITR	0.0
ALPHP	-0.66868257	EXTX	1.3884859	EXHPX	0.92933133	LHITR	0.0
CHITPP	82.256258	EXTZ	1.6933623	EXHPZ	1.2877437	QHITR	0.0
EXTR	0.0	EPSMT	0.48781788	BIGMT	0.66557921	XITR	0.0
QMP	40.233458	KGMT	0.87177979	FGVT	0.83252972	YITR	0.0
MUXS	0.2797E141	CTSIG	0.11112723	LTOT	1.7182687	ZITR	0.0
MUYB	0.19518501E-1	CMSIG	-0.53930125E-2	DTOT	24.336339	LITR	0.0
MUZS	-0.18336617E-2	CQMSIG	0.6486324 9E-6	TTR	1236.2972	MITR	0.0
LAMBMR	-0.17961316E-1	NZ	0.99887842	HPHH	1736.5388	NITR	0.0
OMBHMR	0.16927654E-1	VC	0.71525573E-5	RTRBLR	1.0	AXP	1.5816878
XMR	1912.6374	MBAR	-920.69873	VXBDOT	0.226284 76E-1	AYP	-0.61827552E-2
YMR	-569.88859	JBAR	569.88859	VYBDOT	0.67739672E-5	AZP	-32.185350
ZMR	-18988.886	TBAR	18975.688	VZBDOT	0.217262 96E-1	VXP	282.54562
LMR	-7317.8658	LBARM	-2866.8813	PDOT	0.631030 18E-3	VYP	14.149726
MMR	8821.1462	MBARM	-18961.284	QDOT	0.25378441E-2	VZP	9.8658348
NMR	34247.684	QBAR	35347.756	RDOT	0.29517194E-2	PSTR.	0.0
XMP	-955.67642	XT	-15.816522	XTR	0.0	PSIDMG	0.0
YMP	-398.59221	YT	-193.34895	YTR	1161.0257	BTR	0.0
ZMP	-57.640838	ZT	329.34908	ZTR	-422.87882	HADD	0.0
LMP	641.42127	LT	-424.34927	LTR	7297.2459	XADD	0.0
MMP	-4978.1575	MT	9356.4669	MTR	-13121.947	YADD	0.0
NMP	-3534.2238	NT	5395.2462	NTR	-35997.235	ZADD	0.0
XMT	-4.2131445	XVT	-18.883375	ALPHTT	-3.1245297	MADD	0.0
YMT	-1.0886642	YVT	-191.54829	ALPVTT	4.2857215	LADD	0.0
ZMT	328.64125	ZVT	8.78055287	AAB1P	4.2726328		

WEIGHT	19900.0	FSCG	360.28000	V	140.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	TWSITR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1385.0	WLMT	238.0	PSVT	693.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-2.3444802	A1S	-3.5769680	IMT	0.13150816	XA	35.346998
LNGSTK	11.349644	B1S	12.091189	IS	-3.0	XB	9.8952584
COLSTK	22.445981	THETA0	22.445981	TM75MR	12.365981	XC	74.786884
PEDAL	12.389947	THETTR	26.669828	TM75TR	13.169028	XP	47.477414
XAIN	3.5386998	XBIN	0.98952584	XCIN	7.4786884	XPIN	2.5637136
XBACTF	7.9264269	XBACTI	0.79264269	RSTR.	0.0	PSTR	0.0
VXB	236.52982	THETAB	1.1266072	AA0F	4.0484243	QSTR	0.0
VYB	16.427588	PHIB	0.0	AA1F	-3.7829475	RSTR	0.0
VZB	4.6517224	BETAWF	3.8133643	BB1F	-0.38941431E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-9.2924814	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.56586473	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.13324137	MMITR	0.0
ALFWF	-1.3889831	EKTX	1.3383330	EKWFX	0.92332778	LMITR	0.0
CHITPP	81.794446	EKTZ	1.7154517	EKWFZ	1.0082055	QMITR	0.0
EKTR	0.0	EPSMT	0.48813364	SIGMT	0.87115214	XITR	0.0
QWF	53.536045	KQMT	0.87177979	KQVT	0.83035720	YITR	0.0
MUXS	0.32613428	CTSIG	0.11158526	LTOT	0.85868585	ZITR	0.0
MUYS	0.22660481E-1	CMSIG	-0.38757338E-2	DTOT	24.342672	LITR	0.0
MUZS	-0.10667837E-1	CQMSIG	0.88366675E-0	TTR	1775.6771	MITR	0.0
LAMBMR	-0.25225756E-1	NZ	0.99880311	MPMR	2494.7129	NITR	0.0
DWBMMR	0.14557918E-1	VC	0.35762786E-5	KTRBLK	1.0	AXP	0.63538176
XMR	1657.3061	MBAR	-661.88612	VXBDOT	0.16449117E-2	AYP	0.59066381E-1
YMR	-855.89859	JBAR	855.89859	VYBDOT	0.38837886E-1	AZP	-32.130489
ZMR	-18978.819	TBAR	19840.227	VZBDOT	0.28857012E-1	VXP	236.52982
LMR	-10388.103	LBARM	-2625.8698	PDOT	0.18041396E-1	VYP	16.427588
MMR	11302.333	MBARM	-10132.747	QDOT	-0.12125580E-2	VZP	4.6517224
NMR	49156.830	QBAR	50788.612	RDOT	0.17703 [illegible]E-2	RSTR.	0.0
XWF	-1266.4914	XT	-14.555285	XTR	0.0	PSIDMG	0.0
YWF	-532.84871	YT	-261.68813	YTR	1660.7147	BTR	0.0
ZWF	-15.816867	ZT	535.24574	ZTR	-607.36367	MADD	0.0
LWF	877.33373	LT	-573.84739	LTR	10193.678	XADD	0.0
MWF	-7733.3088	MT	15207.016	MTR	-18818.151	YADD	0.0
NWF	-4729.8422	NT	7382.8374	NTR	-51702.344	ZADD	0.0
XMT	0.27168893	XVT	-14.826974	ALFMTT	-3.8844797	NADD	0.0
YMT	-2.5818172	YVT	-259.89831	ALFVTT	3.9788942	LADD	0.0
ZMT	534.28471	ZVT	1.8410298	AABB1F	3.7831479		

WEIGHT	19900.0	FSCG	300.20000	V	150.0	PSITM2	0.0
IX	6266.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NOSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSITH	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1765.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-3.2541385	AIS	-4.6457941	IMT	0.48489864	XA	29.661640
LNGSTK	12.372227	BIS	14.834737	IS	-5.0	XB	6.2818797
COLSTK	23.991239	THETAB	23.991239	THTSMR	13.911239	XC	84.445245
PEDAL	13.482227	THETTR	29.695714	THTSTR	16.195714	XP	44.227578
XAIN	2.9661640	XBIN	0.62818797	XCIN	8.4445245	XPIN	2.3882271
XBACTP	3.1116548	XBACTI	0.31116548	RSTR.	0.0	PSTR	0.0
VXB	253.49279	THETAB	-0.18067369	AAEP	4.8499009	QSTR	0.0
VYB	18.527200	PHIB	0.0	AAIP	-3.4747281	RSTR	0.0
VZB	-0.47191284	BETAWP	4.0320177	BBIP	-0.20435743	TITR	0.0
P	0.0	GAMC	0.0	AAOL	-11.613863	HITH	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.68545818	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.10719403	MMITR	0.0
ALFWF	-2.2758512	EKTX	1.3611159	EKWFX	0.91545588	LMITR	0.0
CMITPP	81.188915	EKTZ	1.7420758	EKWFZ	1.0088118	QMITR	0.0
EKTR	0.0	EPSWT	0.49832017	SIGWT	0.70963513	XITR	0.0
QWF	60.712982	KQMT	0.87177979	KQVT	0.82938323	YITR	0.0
MUXS	0.34913854	CTSIG	0.11218684	LTOT	-0.11021448	ZITR	0.0
MUYS	0.25556641E-1	CMSIG	-0.22867932E-2	DTOT	24.386483	LITH	0.0
MUZS	-0.18949031E-1	CQMSIG	0.80398985E-6	TTR	2203.1753	MITR	0.0
LAMBMR	-0.32680691E-1	NZ	1.0014097	MPMH	3111.4443	NITR	0.0
DWSMMR	0.13650860E-1	VC	0.44703483E-6	KTRBLK	1.0	AXP	-0.66102769E-1
XMR	1392.4684	MBAR	-398.48443	VXBDOT	-0.21247699E-1	AYP	0.51956719E-1
YMR	-1096.8567	JBAR	1896.8567	VYBDOT	0.35627136E-1	AZP	-32.236250
ZMR	-19108.438	TBAR	19156.615	VZBDOT	-0.46273110E-1	VXP	253.49279
LMR	-12966.237	LBARM	-3114.3248	PDOT	0.14589285E-1	VYP	18.527200
MMR	13936.775	MBARM	-9294.2806	QDOT	-0.92496052E-2	VZP	-0.47191284
NMR	61278.410	QBAR	63334.368	RDOT	0.40480134E-2	RSTR.	0.0
XWF	-1437.7017	XT	-2.9863543	XTR	0.0	PSIDMG	0.0
YWF	-641.36970	YT	-311.89839	YTR	2078.4615	BTR	4.0
ZWF	64.434434	ZT	602.68174	ZTR	-753.58783	MADD	0.0
LWF	1083.9990	LT	-683.34276	LTR	12647.829	XADD	0.0
MWF	-10374.683	MT	19481.907	MTR	-23548.662	YADD	0.0
NWF	-5702.4628	NT	8783.4371	NTR	-64149.799	ZADD	0.0
XMT	12.928517	XVT	-15.834871	ALFMTT	-4.3625053	NADD	0.0
YMT	-3.2711310	YVT	-388.62725	ALFVTT	4.1853688	LADD	0.0
ZMT	681.33888	ZVT	1.3429416	AABBIF	3.4807323		



WEIGHT	19000.0	PSCG	347.7	V	42.7	PSITP2	0.0
IX	6000.0	ALCG	646.64999	DELG	-5.0	VXSTP.	0.0
IY	81557.7	RMD	0.17529028E-2	VSOUND	1077.2	VYSTP.	0.0
IZ	90004.7	TIME	0.2664467E-1	DELSMH	0.0	VZSTP.	0.0
OMEGAX	67.0.9444	NOSS	4.0	THSIMH	-10.2	PSTM.	0.0
OMEGAY	100.00 0.0	NSSG	5.0	THSITM	-16.7	ALVI	273.0
RHO	15.0	PASENT	1175.2	ALMT	256.2	PSVI	595.2
PSMT	767.4	SMT	43.0	SVI	30.300000	QSTM.	0.0
LATSTR	-1.0	AIS	-2.8166756	IMT	31.288162	XA	39.883152
LNGSTR	0.0	BIS	0.7496E186	IS	-5.7	XB	60.124654
ZULSTR	19.855199	THETAX	19.855199	THISTM	0.7831989	XC	50.857845
PSLAL	14.55 0.0	THETTM	25.557871	THISTM	12.057871	XP	41.866178
XAIR	3.9085156	XBIM	0.8128856	XCIM	5.8457693	XPIM	2.2527167
XCALTR	53.0 0.0	XCALTI	5.3567902	PSTM.	0.0	PSTM	0.0
VAS	67.0 0.0	THETAS	0.74556331	AAGP	0.5685556	QSTM	0.0
VYS	0.0	AMIC	-1.2663453	AAIP	1.7648656	PSTM	0.0
VZS	0.0 7.0	MSTAMP	0.0	BBIP	-0.2595171SE-1	TITM	0.0
P	0.0	GAMC	0.0	AACL	-0.1587444	HITM	0.0
Q	0.0	DMGRAT	1.0	AAIL	0.15279235	JITM	0.0
R	0.0	PSIDOT	0.0	BBIL	-0.0264078E1	MMITM	0.0
ALPHA	-22.7 0.0	EMTX	0.85539866	EMMX	0.7049 6120	LMITM	0.0
CMITM	85.0 0.0	EMTZ	0.1462681	EMMZ	1.0325965	GMITM	0.0
EMIM	0.0	EPSMT	0.99999999	SIGMT	0.0	XITM	0.0
GMM	0.0 0.0	RHMT	0.9756 6726	RHVI	0.8485 2815	YITM	0.0
MUXS	0.9515 0.0	QTSIG	0.11249783	ETOT	439.257116	ZITM	0.0
MUYS	0.0	LMSIG	0.41954E17E-2	DTOI	51.764256	LITM	0.0
MUZS	0.0 0.0	GAMSIG	0.9491559 5E-6	TIM	1125.4385	MITM	0.0
LAMDAX	0.0 0.0	NZ	0.9993515G	MMM	1577.6851	NITM	0.0
DMGMM	0.0 0.0	VL	0.1779 0855E1	RTMSLM	1.0	AXP	0.4198 814
XMM	69 .0	MGAM	716.65018	VXBODI	0.1 629.525E-2	AYP	0.7615 6E1
YMM	-853.0	JGAM	855.22065	VYBODY	0.1 8 5 0 0 E1	AZP	-32.158246
ZMM	-1961 .3	THAM	1929.718	VZBODI	0.0 1 6 3 3 5E-2	VXP	67.586582
LMM	-0 .5 .1	LBAMM	0 5 .0 5178	PLOI	0.7 7 0 0 0 E-3	VYP	0.0
MMM	1 .4 .3	MMAM	607 .0 6	QLOI	0.1 1 7 3 8E-3	VZP	0.8 952276
NMM	557 7.1	GMAM	3618 1.5 9	RLOI	0.8 3 7 0 5E-8	MSTM.	0.0
XMM	-1 .0 .1	XI	104.69511	XIP	0.0	PSIDMG	0.0
YMM	0.0	YI	0.5 7 3	YIM	1255.2298	QTM	0.0
ZMM	56 .0	ZI	100.0 1	ZIM	-384.45696	MADD	0.0
LMM	0.0	LI	12.6 7	LIM	6652.1988	XADD	0.0
MMM	-0 .0 .3	MI	49 .6 1	MIM	-12554.617	YADD	0.0
NMM	0.0	NI	101.78662	NIM	0 3 7.3 8	ZADD	0.0
X-I	100.0 .6	XVI	-1.5396517	ALPHI	-6.7 6 5	NADD	0.0
YMI	7.7	YVI	0.5 7 3	BLPHI	0.7	LADD	0.0
Z-I	101.0 .0	ZVI	1.0 6 3	AACGIM	1.7451116		

WEIGHT	19[illegible]	PSCG	387.7	Y	87.0	PSITR2	0.0
IX	5650.	PLCG	246.24999	DELS	-5.0	VXSTR.	0.0
IY	81547.0	RHO	2.1753877E-2	VSOUND	1077.2	VYSTR.	0.0
IZ	59664.[illegible]	TIME	0.2000000E-1	DELSMM	2.0	VZSTR.	0.0
OMEGMM	27.819499	MASS	0.0	THSIMM	-10.0	PSTM.	0.0
OMEGTM	104.[illegible]	MASS	5.0	THSITM	-10.0	HLVT	273.0
RPM	15.0	PASCNT	1898.2	XCMT	250.0	PSVT	695.0
FSMT	700.0[illegible]	SMT	45.0	SVT	32.500000	QSTM.	0.0
LATSTM	-0.95[illegible]111	AIS	-1.8455086	IMT	25.237046	XA	44.816993
LNGSTM	1.6[illegible]	BIS	1.5531361	IS	-5.0	XB	45.499075
COLSTM	14.111911	THETAB	14.111911	TH7SMM	9.0519117	XL	53.949448
PEJAL	15.3[illegible]	THETTM	23.726333	TH7STM	10.226333	XP	44.546154
XAIM	8.87[illegible]	XBIM	8.5499879	XCIM	5.3989048	XPIM	2.[illegible]
XBALTP	44.713[illegible]	XBALTI	4.8715288	HSTM.	0.0	PSTM	0.0
VXB	101.5[illegible]	THETAB	-0.59125395	AAGP	0.2220164	QSTM	0.0
VYB	13.192149	PHIB	0.0	AAIP	2.2775127	RSTM	0.0
VZB	-1.0662573	BETAMP	0.0724702	BBIP	0.10021545	TITM	0.0
P	0.0	GAML	0.0	AAGL	-5.0287272	HITM	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.12033885	JITM	0.0
R	0.0	PSIDOT	0.0	BBIL	-0.267802445	MMITM	0.0
ALPHA	-11.811569	ERTX	1.1078893	ERMPX	0.05382145	LMITM	0.0
CMITMM	75.[illegible]15	ERTZ	2.4767662	ERMPZ	1.0141998	QMITM	0.0
ERTM	0.0	EPSMT	0.5107[illegible]75	SIGMT	1.0130487	XITM	0.0
QPP	15.[illegible]3945	KGMT	0.8[illegible]7975	KGVT	0.80085761	YITM	0.0
MUXS	0.1393[illegible]669	CTSIG	0.1115[illegible]78	CIJT	-14.553172	ZITM	0.0
MUYS	0.1013[illegible]-1	CMSIG	0.5241[illegible]01E-2	DIJT	27.4857[illegible]3	LITM	0.0
MUZS	-0.[illegible]11[illegible]5E-2	CUMSIG	0.9215578[illegible]4E-6	TTR	955.00006	MITM	0.0
LAMSMM	-0.41[illegible]4E-1	NZ	0.9997[illegible]788	MPMM	1375.6956	NITM	0.0
DMSMM	0.5[illegible]5[illegible]1E-1	VL	0.17881393E-5	RTMBLK	1.0	AXP	-0.35170226
XMM	1[illegible].[illegible]19	MBAM	894.94425	VXBOUT	0.57757447E-3	AYP	0.14852685E-2
YMM	-5[illegible].[illegible]7	JBAM	576.[illegible]47	VYBOUT	0.5429[illegible]57E-2	AZP	-32.166774
ZMM	-1[illegible].[illegible]E	TBAM	19[illegible]9.866	VZBOUT	0.2[illegible]241[illegible]2E-2	VXP	101.58403
LMM	-5[illegible].[illegible]59	LBAMM	-770.69976	PLOT	0.47644[illegible]59E-4	VYP	15.192194
MMM	15[illegible].[illegible]4	MBAMM	6555.8656	QLOT	-0.7[illegible]46602E-4	VZP	-1.0662573
NMM	2[illegible].[illegible]2	JBAM	[illegible]2[illegible]2.655	RLOT	0.56675563E-3	HSTM.	0.0
XAM	-5[illegible].[illegible]9	XT	0.6765116	XTM	0.0	PSIDMG	0.0
YAM	-[illegible].[illegible]	YT	-79.926633	YTM	879.49269	BTM	0.0
ZAM	2[illegible].[illegible]	ZT	29.183602	ZTM	-326.10905	HADD	0.0
LAM	4[illegible].[illegible]	LT	-174.55598	LTM	5372.0453	XADD	0.0
MAM	-5[illegible].[illegible]	MT	654.66375	MTM	-10278.165	YADD	0.0
NAM	-1[illegible].[illegible]	NT	2316.5256	NTM	-28216.492	ZADD	0.0
XMT	5.1[illegible]1	XVT	0.87179645	ALPHTI	-2.05220812	NADD	0.0
YMT	-1[illegible]	YVT	-78.917165	ALPVTT	7.9446541	LADD	0.0
ZMT	29.[illegible]	ZVT	-0.5[illegible]629774	AABBIP	2.2051128		

[illegible] 1-21-77 30-AUG-77 RUN 46.

[illegible]	[illegible]	PSIG	347.2	T	87.2	PSITR2	2.2
IA	[illegible]	ALCG	240.24999	DELS	-5.2	VXSTR.	2.2
IY	[illegible]	RHO	2.1757722225-2	VSOUND	1277.2	VYSTR.	2.2
IZ	[illegible]	TIME	6.2[illegible]7225-1	DELSMH	2.2	VZSTR.	2.2
[illegible]	[illegible]	MASS	4.2	TASTMH	-18.2	PSTM.	2.2
[illegible]	[illegible]	MASS	5.2	TMSITH	-18.2	ALVT	273.2
RRH	15.7	PASCNT	1175.2	RLMT	234.2	PSVT	895.2
PSMT	[illegible]	SMT	43.2	SVT	32.5722222	QSTM.	2.2
LATSTM	-2.[illegible]175	AIS	-1.51625283	IMT	11.251758	XA	44.253239
LMSSTM	2.[illegible]	BIS	3.6425186	IS	-3.2	XB	39.639696
COLSTM	19.12[illegible]	TMSTAR	19.12[illegible]	TM7SMH	9.2482388	XC	54.251494
PBVAL	11.[illegible]	TMSTTM	2[illegible]	TM7STM	8.7187192	XP	46.777988
XAIM	3.[illegible]	XBIM	3.9639696	XCIM	5.4251494	XPIM	2.8339385
XMACTM	41.[illegible]	XBALTI	4.1576572	PSIM.	2.2	PSTM	2.2
VAB	155.[illegible]	TMSTAB	-2.11448363	AAPP	4.1964512	QSTM	2.2
VYB	11.[illegible]	PHIB	2.2	AAIP	1.1222469	RSTM	2.2
VZB	-2.[illegible]	BETAWP	4.4224425	BPIP	2.26417237	TITM	2.2
P	2.2	GAMB	2.2	AAZL	-4.8591269	MITM	2.2
Q	2.2	DYSPAT	1.2	BBIL	2.17169225	JITM	2.2
R	2.2	PSIDOT	2.2	BBIL	-2.18564618	MMITM	2.2
ALPHF	-2.[illegible]	BETX	1.2458752	BMAPX	2.92467228	LMITM	2.2
CMIMX	22.55[illegible]	BETZ	1.9511845	BMAPZ	1.2696467	QMITM	2.2
BETM	2.2	BPSAT	2.[illegible]	SIGAT	2.77882957	XITM	2.2
GAP	22.2[illegible]	KAMT	2.871[illegible]	KAMI	2.8[illegible]	YITM	2.2
MCXS	2.[illegible]	DTSIG	2.11228525	LTOT	-25.5[illegible]	ZITM	2.2
MCYS	2.[illegible]	DMSIG	2.34[illegible]	LTOT	25.265444	LITM	2.2
MCZS	-2.[illegible]	DAMSIG	2.91597717E-8	TTP	919.52963	MITM	2.2
LATSTM	-2.[illegible]	XI	1.2[illegible]	MPHM	1324.5163	NITM	2.2
DESTM	2.[illegible]	YI	2.84723685E-8	XTMBLK	1.2	AXP	-2.37892827E-1
XMM	41[illegible]	MBAM	593.17442	VXBODT	2.64546794E-2	AYP	2.1455356[illegible]1E-2
YMB	-525.[illegible]	JBAM	523.82988	VYBODT	-2.[illegible]	AZP	-32.179993
ZMM	-14[illegible]	TBAM	14156.592	VZBODT	-2.37394282E-2	VXP	155.19587
LMM	-2511.4159	LBAMM	-976.27512	PDOT	2.12253348E-2	VYP	11.772997
MBM	16[illegible]	MBAMM	3651.6615	QDOT	2.1257566[illegible]E-3	VZP	-2.27811368
NMM	24[illegible]	QBAM	26956.886	RDOT	-2.29689997E-3	RSTM.	2.2
XMM	-47[illegible]	XT	33.752765	XTP	2.2	PSIDMG	2.2
YMP	-25[illegible]	YT	-173.11289	YTP	886.13945	BTM	2.2
ZMP	144.[illegible]	ZT	667.52714	ZTM	-514.52164	MADD	2.2
LMP	865.14869	LT	-625.25116	LTM	5275.7692	XADD	2.2
MMP	-6515.[illegible]	MT	5984.6771	MTM	-12692.962	YADD	2.2
NMP	-1822.[illegible]	NT	6967.8222	NTP	-[illegible]	ZADD	2.2
XMT	56.[illegible]	XXT	-2.6593146	ALPHTT	-3.4236917	MADD	2.2
YMT	-1.[illegible]	YYT	-181.75568	BETYTT	5.2828688	LADD	2.2
ZMT	144.[illegible]	ZZT	2.7477[illegible]	AAGSLP	1.1586677		

WEIGHT	19[illegible]	PSLG	347.0	V	168.0	PSITR2	0.0
IX	6265.2	PLCG	249.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RMU	0.17520002E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38264.0	TIME	0.2722022E-1	DELSMR	0.0	VZSTR.	0.0
OMEGX	27.214999	NOSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	126.82522	NSSS	5.0	THSTTR	-18.0	RLVT	273.0
RHO	15.0	PASLNT	1173.0	RLMI	254.0	FSVI	695.0
FSMT	776.02252	SMT	45.0	SVI	32.3062P2	QSTR.	0.0
LAISTR	-1.0231297	AIS	-1.9995655	IMT	2.3259662	XA	43.417959
LNGSTR	5.5352991	BIS	0.0033522	IS	-3.0	XB	30.359967
COLSTR	19.566114	THETAB	19.566114	THTSMR	9.5081146	XC	57.425719
PEQAL	11.191851	THETTR	22.217569	THTSTR	8.7175091	XP	58.577891
XAIN	4.5417456	XMIN	5.0369967	XLIN	5.7425718	XPIN	2.7318919
XBALTP	51.295587	XBALTI	3.1230847	RSTR.	0.0	PSTR	0.0
VXB	168.95912	THETAB	0.9001975E	AAZP	4.2261687	QSTR	0.0
VYB	12.245189	PHIB	0.0	AAIP	-0.67748221	RSTR	0.0
VZB	2.6785118	BETAWF	3.9228656	RBIP	0.25065783	TITR	0.0
P	0.0	GAMC	0.0	ABEL	-5.3852888	MITR	0.0
Q	0.0	OMGRAI	1.0	AAIL	0.25963867	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	-0.72754982E-1	MMITR	0.0
ALPHF	-5.0767624	ERTX	1.1053377	ERMPX	0.92843224	LMITR	0.0
CMITRR	86.167496	ERTZ	1.0003656	ERMPZ	1.0078162	QMITR	0.0
ERTR	0.0	EPSRT	0.4882C0865	SIGRT	0.67247236	XITR	0.0
QPP	29.319222	RQMI	0.8717979	RQVI	0.8534216	YITR	0.0
MUXS	0.0324222	CISIG	0.11354645	LTUI	-2.1237928	ZITR	0.0
MUYS	0.1062162E-1	CMSIG	0.3C518466E-5	DTUI	24.344172	LITR	0.0
MUZS	-0.0507852E-2	CRMSIG	0.9186C928E-6	TTR	1026.9814	MITR	0.0
LAMDMX	-0.0914C4C1E-1	NZ	1.0001624	MPMR	1455.4358	NITR	0.0
DRSMPX	0.0053C01CE-1	VL	0.0	XTRBLK	1.0	AXP	0.51856806
XMR	959.03239	MBAR	55.527552	VXBUOY	0.70063066E-2	AYP	0.14639841E-1
YMR	-529.06361	JBAR	529.06361	VYBUOY	0.46915506E-2	AZP	-52.178581
ZMR	-19385.363	TBAR	19366.777	VZBUOY	-0.15008371E-1	VXP	168.95912
LMR	-6299.7422	LBARM	-1393.0398	PUOI	0.45590192E-2	VYP	12.245189
MMR	2020.0003	MBARM	-1523.4153	QUOI	-0.5239220?E-3	VZP	2.6785118
NMR	29233.571	QBAR	29635.984	PLOI	-0.58657462E-3	RSTR.	0.0
XMP	-639.05248	XI	46.368379	XIR	0.0	PSIDMG	0.0
YMP	-293.48249	YI	-139.59368	YIR	966.92297	BIR	4.0
ZMP	169.45253	ZI	514.56559	ZIR	-351.93186	MADD	0.0
LMP	528.99854	LI	-343.36962	LIR	5926.6429	XADD	0.0
MMP	-6548.0454	MI	15218.273	MIR	-11291.147	YADD	0.0
NMP	-2312.9574	NI	4249.2175	NIR	-5162.111	ZADD	0.0
XMI	49.566847	XVI	-6.9900679	ALFMII	-6.5673709	MADD	0.0
YMI	-2.0234911	YVI	-137.37019	ALFVII	4.1827898	LADD	0.0
ZMI	513.41636	ZVI	1.0454194	AAMBIP	0.72243463		

WEIGHT	19922.2	FSCG	347.2	V	122.2	PSITRZ	2.2
IX	6765.2	XLCG	246.24949	DELS	-5.4	VXSTR.	0.2
IY	41567.2	RHO	2.17522222E-2	VSOUND	1077.8	VYSTR.	2.2
IZ	39224.2	TIME	2.20222224E-1	DELSMX	2.2	VZSTR.	0.2
OMEGAX	27.219999	WBSS	0.2	THSTMX	-18.2	PSTR.	2.2
OMEGAY	1C4.CCCCC	WSSS	5.0	THSTTX	-18.2	XLVT	273.0
RPM	15.2	PASCNT	1135.2	XLMT	234.2	FSCT	695.2
FSMT	7C0.000CC	SMI	45.0	SVT	32.500000	QSTR.	0.2
LATSTK	-1.8077554	AIS	-2.5132694	IMT	1.2766842	XA	42.951663
LNGSTK	0.7467746	PIS	0.2144240	IS	-5.0	XB	25.453821
COLSTK	22.825265	THETAZ	22.825305	THTSMX	18.745085	XC	64.656286
PEDAL	11.4C7158	THETTK	24.721162	THTSTK	18.521162	XP	49.465714
XAIR	4.2351663	XBIN	2.5453821	XCIN	6.4656286	XPIN	2.6689191
XBACTK	24.453721	XMACTI	2.4452987	PSTM.	0.2	PSTM	0.2
VXB	262.79141	THETAB	-2.15895963	AAZP	4.1724615	QSTR	2.2
VYB	16.981214	PHIB	0.0	AAIP	-2.64269478	RSTR	2.2
VZB	-0.56257614	BETAMP	3.4541454	BBIP	2.24876217	TITR	2.2
P	2..	GAMC	0.0	AA2L	-0.9624549	HITR	2.2
Q	0.2	DMGRAT	1.2	AAIL	2.33989516	JITR	2.2
R	2.2	PSIDOT	0.0	BBIL	-2.1212/630	MMITR	2.2
ALPHF	-3.5154954	EKTX	1.1923241	EKMPX	2.95402297	LMITR	0.2
CHITPP	82.0/2444	EKTZ	1.7402712	EKMPZ	1.2073229	GMITR	0.2
EKTR	2.2	EPSAT	2.00454145	SIGAT	0.02742962	XITR	2.2
QMF	4C.3552/8	KJMT	0.8/177479	KJVT	0.85268585	YITR	0.2
MUXS	0.27928719	CTSIG	2.11383148	LTOT	-1.8345911	ZITR	0.2
MUYS	0.1792444CE-1	CMSIG	0.873C1666E-3	DTOT	24.270868	LITR	0.2
MUZS	-2.1541853465E-1	DGMSIG	0.91274529E-0	TTM	1526.5277	MITR	0.2
LAMDMX	-0.5C9717C2E-1	VZ	0.99966624	MPMM	1872.2081	NITR	0.0
DMSMPH	2.1727E9746E-1	VC	0.8940C967E-0	KTRBLK	1.0	AXP	-0.91419871E-1
XPM	866.55555	MBAM	149.16726	VXBDOT	-0.26122782E-2	AYP	0.85163046E-2
YPM	-692.17987	JBAM	692.17927	VYBDOT	2.8777339E-2	AZP	-32.145851
ZPM	-19417.175	TBAM	19437.448	VZBDOT	0.2866C664E-1	VXP	262.79141
LPM	-7866.8275	LBAMM	-1765.8186	PDOT	2.24847367E-2	VYP	16.981214
MPM	3149.3599	MBAMM	-1434.9352	QDOT	-0.6859678?E-3	VZP	-0.56257614
NPM	57615.288	NBAM	58169.383	RDOT	0.1429222?E-2	RSTM.	2.2
XMF	-457.CC126	XT	34.626512	XTR	0.2	PSIDMB	2.2
YMF	-365.99277	YT	-156.65815	YTM	1248.8279	QTR	0.2
ZMF	155.5C699	ZT	6C7.55558	ZTR	-455.73581	HADD	2.2
LMF	695.99662	LT	-398.17517	LTR	7615.2543	XADD	2.2
MMF	-6546.5552	MT	19726.931	MTM	-14557.292	YADD	2.2
NMF	-2854.6752	NT	5298.2274	NTR	-39495.755	ZADD	2.2
XMT	46.46C.76	XVT	-11.839577	ALPHTT	-6.3624955	MADD	0.2
YMT	-62.3551577	YVT	-187.12588	ALPVTT	3.8898527	LADD	0.2
ZMT	565.26154	ZVT	1.5546972	AABBIP	0.8C954413		

WEIGHT	19[illegible]	PSIG	347.0	V	140.8	PSITHE	0.0
IX	5660.	RLOG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41527.	PHO	0.17526892E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	50760.	TIME	0.26000000E-1	DELSMH	0.0	VZSTR.	0.0
OMEGMH	27.219999	MSS	0.0	THSTMH	-10.0	PSTH.	0.0
OMEGTH	124.[illegible]	MSS	5.0	THSITH	-10.0	RLVT	273.0
RPR	15.7	PASLNT	1998.0	RLMT	234.0	PSVT	895.0
PSMT	[illegible]	SMT	45.0	SVT	30.000000	QSTH.	0.0
LATSTP	-0.7551328	AIS	-0.8756029	IMT	0.87411122	XA	30.761559
LNGSTP	0.9[illegible]	BIS	10.351942	IS	-5.0	XB	15.296567
COLSTR	25.[illegible]	THEIAS	23.[illegible]	THTSMH	13.198994	XC	79.983715
PEDAL	15.[illegible]	THEITH	29.[illegible]	THTSTH	15.5957[illegible]	XP	43.494862
XAIR	3.2751559	XBIM	1.8296987	XCIM	7.9983718	XPIM	2.3486818
XMALIP	15.157934	XBACTI	1.5137934	HSTH.	0.0	PSTH	0.0
VXB	258.47152	THETAB	-0.0129989	AAZP	0.1422473	QSTH	0.0
VYB	15.[illegible]	PHIB	0.0	AAIP	-0.9533697[illegible]E-1	RSTP	0.0
VZB	-5.[illegible]	BETAWP	3.6781859	BBIP	0.1547[illegible]119	TITH	0.0
P	0.0	GAML	0.0	AA2L	-13.868777	HITH	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.52552488	JITH	0.0
R	0.0	PSIDOT	0.0	BBIL	-0.25766365	MMITH	0.0
ALPXP	-0.0891519	ERTX	1.1553558	ERMPX	0.9[illegible]6569	LMITH	0.0
CMITPP	80.[illegible]	ERTZ	1.0[illegible]193	ERMPZ	1.2077[illegible]	GMITH	0.0
ERIM	0.0	EPSMT	0.[illegible]79185	SIGMT	0.647[illegible]71	XITH	0.0
GMP	53.[illegible]	RGMT	0.[illegible]7979	RGVT	0.[illegible]2812	YITH	0.0
MUXS	0.3[illegible]1995	CISIG	0.[illegible]1871	CTOT	-0.[illegible]	ZITH	0.0
MUYS	0.[illegible]E-1	CMSIG	0.[illegible]E-2	DTOT	24.315637	LITH	0.0
MUZS	-0.[illegible]E-1	CPMSIG	0.[illegible]E-6	TTP	2037.1549	MITH	0.0
LAMGMH	-0.[illegible]E-1	NZ	0.99775724	MPMH	2887.7357	NITH	0.0
DMSMPH	0.[illegible]E-1	VL	0.[illegible]E-4	RTHBLK	1.0	AXP	-1.1365548
XMH	537.[illegible]	MBAH	493.9[illegible]	VXBDOT	-0.[illegible]E-2	AYP	-0.[illegible]E-1
YMH	-1[illegible]	JBAH	1[illegible]	VYBDOT	-0.[illegible]E-1	AZP	-32.092[illegible]
ZMH	-19[illegible]	TBAH	19554.796	VZBDOT	0.5437911[illegible]E-1	VXP	256.47162
LMH	-1[illegible]	LBAMH	-0[illegible]	PDOT	-0.[illegible]E-2	VYP	15.985708
MMH	6[illegible]	MBAMH	119.15399	QDOT	0.3451[illegible]E-2	VZP	-0.3032867
NMH	5[illegible]	NBAH	5[illegible]	RDOT	-0.[illegible]E-3	RSTH.	0.0
XMP	-1[illegible]	XI	50.[illegible]	XIP	0.0	PSIDMG	0.0
YMP	-51[illegible]	YI	-[illegible]	YIP	1914.[illegible]	BIM	0.0
ZMP	25[illegible]	ZI	951.[illegible]	ZIP	-696.82119	MADD	0.0
LMP	935.[illegible]	LI	-560.[illegible]	LIM	11[illegible]	XADD	0.0
MMP	-1[illegible]	MI	28[illegible]	MIM	-[illegible]	YADD	0.0
NMP	-4[illegible]	NI	7484.1754	NIM	-61421.674	ZADD	0.0
XMT	74.[illegible]	XVI	-15.[illegible]	ALFMTI	-0.9464516	MADD	0.0
YMT	-5.[illegible]	YVI	-[illegible]	ALFVTI	3.[illegible]	LADD	0.0
ZMT	949.11559	ZVI	2.1084311	AABBIP	2.18[illegible]		

WEIGHT	19952.7	PSCG	347.5	V	150.0	PSITR2	0.0
IX	5466..	RLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41547.5	RHO	2.1756[illegible]E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	50664.7	TIRE	6.20[illegible]E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.[illegible]	MOSS	4.7	THSTMR	-10.0	PSTR.	0.0
OMEGTR	1[illegible]	MSSS	5.7	THSTTR	-10.0	RLVT	273.0
REF	15.0	PASCNT	1650.0	RLMT	250.0	PSVT	695.0
PSMT	7[illegible]	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	-5.79[illegible]	AIS	-5.0918559	IMT	1.5839624	XA	26.258765
LNGSTR	1[illegible]	BIS	11.350548	IS	-5.0	XB	14.492593
COLSTR	24.977655	THETAB	24.977655	THTSMR	14.697655	XC	98.610344
PEDAL	15.[illegible]	THETTR	30.458122	THTSTR	10.458122	XP	39.851028
XAIN	2.625[illegible]	XBIN	1.4492593	XCIN	9.2510344	XPIN	2.1518995
XBALTP	1[illegible]	XBALTI	1.0147273	RSTR.	0.0	PSTR	0.0
VXB	253.07556	THETAB	-5.2459515	AAGP	8.1470484	QSTR	0.0
VYB	10.333142	PHIB	0.0	AAIP	0.31062699	RSTR	0.0
VZB	-14.358178	BETAMP	5.9775133	BBIP	-0.22931325E-1	TITR	0.0
P	0.0	GAML	0.0	AAGL	-15.506525	HITR	0.0
Q	0.0	OMGMAT	1.0	XAIL	7.8098172	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	-0.31057310	MHITR	0.0
ALPHP	-5.55[illegible]	EKTX	1.1764102	EKMPX	0.92352448	LMITR	0.0
CMITPP	81.[illegible]	EKTZ	1.0561852	EKMPZ	1.0082058	QMITR	0.0
EKTR	0.0	EPSAT	0.48977513	SIGAT	0.76000233	XITR	0.0
GRP	61.[illegible]	KGMT	0.67177979	KGV1	0.82956606	YITR	0.0
MUXS	7.56755559	CTSIG	0.11519265	LTOT	-3.9092987	ZITR	0.0
MUYS	0.[illegible]E-1	CMSIG	0.45465565E-2	DTD1	24.479120	LITR	0.0
MUZS	-7.38[illegible]E-1	CDMSIG	0.90532482E-6	TTR	2511.2185	MITR	0.0
LAMMR	-4.3[illegible]E-1	WZ	0.997[illegible]54	HPMR	3569.0642	NITR	0.0
DRSMR	0.159[illegible]E-1	VC	0.14505118E-4	RTRBLR	1.0	AXP	-1.8188188
XMR	254.[illegible]	MBAR	776.55556	VXBDOT	-0.51804379E-2	AYP	0.36811[illegible]5E-1
YMR	-1546.2211	JBAR	1396.7811	VYBDOT	0.21983822E-1	AZP	-32.897889
ZMR	-1956.[illegible]21	IMAR	19469.875	VZBDOT	0.33365478E-1	VXP	253.07556
LMR	-1[illegible]5.775	LBARM	-2711.6122	PDOT	0.10685235E-1	VYP	10.333142
MMR	9715.7[illegible]	MBARM	1513.1650	QDOT	-0.4[illegible]E-2	VZP	-14.358178
NMR	71597.885	QBAR	72449.448	RDOT	0.12[illegible]E-2	RSTR.	0.0
XMP	-1[illegible]	XI	88.487341	XTR	2.0	PSIDMG	0.0
YMP	-535.[illegible]	YI	-511.77588	YTR	2599.7812	QTR	0.0
ZMP	576.[illegible]	ZI	1127.6575	ZTR	-858.88443	MADD	0.0
LMP	1181.[illegible]	LI	-676.24441	LTR	10415.873	XADD	0.0
MMP	-1507[illegible]	MI	35351.201	MTR	-27555.875	YADD	0.0
NMP	-5[illegible]	NI	9043.5408	NTR	-75703.998	ZADD	0.0
XMT	1[illegible]	XVT	-16.023254	ALPHTT	-7.2566332	MADD	0.0
YMT	-8.[illegible]	YVT	-377.81989	ALPVTT	8.1380879	LADD	0.0
ZMT	1125.[illegible]	ZVT	2.8548524	AABBIP	0.31147226		

XBIMPT	19957.7	PSCB	3RR.2RRR0	V	1.2E-2	PSITR2	0.0
IX	3RE7.2	ALOG	251.10040	UELS	-5.0	VXSIR.	0.0
IY	35496.1	RRO	2.23760RR2E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	3/RE?.R	TIME	0.2RR2R0R0E-1	UELSMR	R.0	VZSIR.	0.0
UMEGMR	27.?19999	MRSS	4.R	TRSIMR	-10.0	PSTR.	0.0
UMEGTR	1??.?E1?2	NSSS	5.R	TRSITR	-1R.0	RLVT	273.0
RRR	15.?	PASCNT	1135.2	RLMT	254.0	TSVT	595.2
PSMT	?...?/???	SMT	45.0	SVT	32.5R0R0R	QSTR.	0.0
LATSTR	-?.15929720	AIS	-0.9RRR0858	IMT	27.290883	XA	49.004393
LNGSTR	3.3RRR142	GIS	0.1154998	IS	-3.0	XR	58.124348
CULSTR	17.?7?1?1	TRETAB	17.077121	TM?SMR	?.5991214	XC	44.994518
RELAL	17.5RR151	TRETTR	25.981097	TM?STR	12.481097	XP	33.526968
XAIS	4.?7?3595	XBIR	3.8124348	XLIR	8.4998512	XPIR	1.8108R892
XBALTP	45.??1?61	XBALTI	4.5?21?61	RSTR.	0.0	PSTR	0.0
VXB	0.1?827317E-1	TRETAB.	5.2598785	AAGP	5.2896011	QSTR	0.0
VYB	R.R	PHIB	-0.7326385	AAIP	-2.2552102	RSTR	0.0
VZB	?.1597?E-0E-2	BETARP	0.0	BBIP	-1.0057518	TITR	0.0
P	R.R	GAMG	0.0	AA0L	-5.6189705	MITR	0.0
Q	0.0	OMGMAT	1.?	BBIL	0.52001E20E-2	JITR	0.0
R	R.R	PSIOUT	4.0	BBIL	0.14226903	MMITR	0.0
ALPHAP	-9.2999983	EMTX	-9.24967266	EMMPX	0.79995393E-5	LMITR	0.0
CHIPR	-0.2?5?1?91	EMTZ	0.20005843	EMMPZ	0.11099360E-3	QMITR	0.0
EMIN	R.R	EPSMT	0.99999999	SIGMT	0.0	XITR	0.0
UPP	0.5381195?E-6	RUMT	0.0?177979	RGVT	0.84852813	YITR	0.0
MUXS	R.E5?9?01EE-?	CISIG	0.?5?0?02E-1	LIUT	-11.551350	ZITR	0.0
MUYS	R.R	CMSIG	-R.?7?73164E-2	DTOT	24.792000	LITR	0.0
MUZS	0.?1?1?912E-6	CGMSIG	0.5?0?1109E-6	TTR	1052.2357	MITR	0.0
LAMMR	-R.3531?701E-1	NZ	R.99956065	MPMR	1552.5302	NITR	0.0
OMGMR	0.5591?97?0E-1	VL	0.11127525E-3	RIRBLK	0.79599999	AXP	2.9740459
XMR	1041.?/9R	MBAR	-644.43458	VXBOOT	0.27200?85E-1	AYP	1.5572633
YMR	-?33.?9??7	JBAR	253.04?07	VYBOOT	0.27720?75E-1	AZP	-51.998624
ZMR	-1?1?3.5?7	TBAR	15254.456	VZBOOT	-0.96667795E-5	VXP	0.16827817E-1
LMR	-?E59.7?3E	LBARM	-?705.7113	PDOT	0.81366714E-3	VYP	0.0
MMR	1???7.5?1	MBARM	-6254.1218	QDOT	0.12666547E-4	VZP	0.15477668E-2
NMR	3.???.1??	NBAR	31145.102	RDOT	-0.43989517E-3	RSTR.	0.0
XMP	-?.?1134?74E-5	XI	3.6061457	XIR	0.0	PSIUMG	0.2
YMP	R.R	YI	-0.?7??2952E-6	YIR	988.85166	BIR	4.0
ZMP	2.5??7509?E-5	ZI	5.6140250	ZIR	-359.91326	MADU	0.0
LMP	R.R	LI	-0.86565349E-6	LIR	5645.0579	XADU	0.0
MMP	-?.1??2?2?1E-3	MI	164.29916	MIR	-11151.512	YADU	0.0
NMP	0.R	NI	0.15?565?8E-4	NIR	-39637.920	ZADU	0.0
XMI	3.?????05?	XVI	-0.11?02429E-6	ALPHII	-11.566039	NADU	0.0
YMI	R.R	YVI	-0.?7??2952E-6	ALPVII	0.0	EADU	0.0
ZMI	5.614?2??	ZVI	0.?92?59?4E-7	AABSIP	2.4593134		

WEIGHT	10457.7	PSCG	382.27922	V	82.2	PSITR2	2.2
IB	3067.3	ALCG	251.16002	DELS	-5.0	VXSTR.	0.0
IP	34946.2	RHO	0.23708826E-2	VSOUND	1117.7	VYSTR.	0.2
IZ	37225.6	TIME	0.20000000E-1	DELSMR	0.7	VZSTR.	0.0
OMEGMR	27.214949	NOSS	4.0	TASTMR	-10.2	PSTR.	2.2
OMEGTR	124.00000	N3SS	5.0	TASITR	-10.0	RLVI	273.6
KFB	15.2	PASLRT	923.2	RLRT	238.2	PSVI	695.2
FSMI	7 %.8000	SMT	45.0	SVI	32.300000	QSTR.	0.0
LATSTK	-1.3560925	AIS	-1.9542679	IMT	25.385977	XA	41.495857
LNGSTK	3.4001675	BIS	3.4674397	IS	-3.0	XB	36.218418
COLSTK	15.048349	THETAZ	10.048349	TM7SMR	5.9685991	XC	34.822495
PEDAL	12.761434	THETTR	19.443559	TM7STR	5.9435591	XP	46.225714
XAIR	0.1695857	XBIN	3.6218817	XCIN	3.4822895	XPIN	2.4981236
XBALTP	42.344824	XBALTI	0.2344866	RSTR.	2.0	PSTR	0.0
VXB	67.455448	THETAB	3.7537955	AAZP	3.1762742	QSTR	2.2
VYB	0.0	PHIB	-1.4736654	AAIP	-2.1663596	RSTR	0.2
VZB	0.42262722	BETAWF	0.0	BBIP	-2.5977122E-1	TITR	2.2
P	0.0	GAMG	0.0	AAGL	-3.9862449	HITR	0.2
Q	0.0	OMGRAT	1.0	ABIL	2.17669637	JITR	2.2
R	0.0	PSIDOT	0.0	BBIL	0.95342655E-1	MMITR	0.0
ALPHF	-11.606777	EKTX	1.1075613	EKWPX	0.79988239	LMITR	2.2
CHITPP	7%.5554215	EKTZ	2.0465526	EKWPZ	1.0191417	QMITR	0.2
EKTH	0.0	EPSAT	0.84999999	SIGWT	0.0	XITR	0.0
GXP	0.0075030	RGMT	0.87177979	RGVI	0.84852815	YITR	0.2
MUYS	0.95233623E-1	CTSIG	0.67221223E-1	LTOT	-17.253266	ZITR	0.0
MUYB	0.0	CMSIG	-0.18075725E-2	DTOT	25.877566	LITR	0.2
MUZS	0.1225882216-2	CGMSIG	0.51217517E-6	TIM	750.55961	MITR	0.0
LAMGMR	-0.6946747 1E-1	NZ	0.94735812	MPMR	1099.5961	NITR	0.0
DASMTR	0.2753733533E-1	VC	0.12594698	RTRGLR	1.0	AXP	2.2928487
XMM	1c3c.5677	MGAM	-419.41687	VXBDOT	-0.15252266E-1	AYP	0.79364147
YMM	-314.84921	JGAM	314.84921	VYBDOT	-0.2982257 8E-1	AZP	-32.889373
ZMM	-15556.051	TGAM	15551.121	VZBDOT	0.36082779E-2	VXP	67.455448
LMM	-4783.8174	LGAMM	-1112.2229	PDOT	-0.16112553E-2	VYP	0.0
MMM	15105.731	MGAMM	-5818.4586	QDOT	0.12012366E-3	VZP	0.42262722
NMM	21764.111	NGAM	22378.551	RDOT	0.88359572E-0	MSTR.	0.0
XVP	-194.51351	XT	-21.866461	XTR	0.0	PSIDMG	2.0
YVP	2.7	YT	-7.3852252	YTR	789.12525	STR	0.2
ZVP	193.43645	ZT	-26.945643	ZTR	-258.29467	MADD	0.2
LVP	2.0	LT	-13.881175	LTR	4285.2752	XADD	2.0
MVP	-4415.0475	MT	-785.75449	MTR	-7946.6145	YADD	0.0
NVP	7.0	NT	211.55951	NTR	-21978.479	ZADD	0.2
XMT	-14.753944	XVT	-2.0524067	ALFMTT	1.0222573	NADD	0.0
YMT	2.7	YVT	-7.3882252	ALPVTT	0.2	LADD	0.0
ZMT	-27.947460	ZVT	0.96178656	AABDIP	2.1671836		

DIAS(STM) 1-21-77 SC-AUG-77 RUN 4.

WEIGHT	1[illegible]2.7	FSCG	368.22222	V	5[illegible].3	PSITM2	2.2
IX	5[illegible].[illegible]	ALCG	251.10222	DELS	-3.2	VXSTM.	2.2
IY	39976.7	RMO	2.237822922E-2	VSOUND	1117.2	VYSTM.	2.2
IZ	3[illegible].[illegible]	TIME	0.[illegible]E-1	DELSMM	2.2	VZSTM.	2.2
OMEGMM	27.[illegible]9	MASS	4.2	THSIMM	-15.2	PSTM.	2.2
OMEGTM	1[illegible].[illegible]	MASS	5.2	THSITM	-1[illegible].2	WLVT	273.2
REF	15.5	PASCNT	1259.2	ELMT	259.2	PSVT	595.2
PSMT	12[illegible].[illegible]	SMT	43.2	SVT	32.566662	QSTM.	2.2
LATSTM	-2.[illegible]	AIS	-1.3247218	IMT	13.171345	XA	45.135388
LNGSTM	4.[illegible]	QIS	4.2515214	IS	-3.2	XB	32.936258
COLSTM	15.[illegible]	THETA2	15.592258	THTSMM	5.5102582	XC	31.937864
PEQAL	1[illegible].[illegible]	THETTM	18.182771	THTSTM	5.4527711	XP	45.978317
XAIM	4.5[illegible]	XBIM	3.2959258	XLIM	3.1957858	XPIM	2.4827645
XBALTP	57.[illegible]	XBALTI	3.7499247	MSTM.	2.2	PSTM	2.2
VXM	121.[illegible]	THETA0	2.9597662	AA2P	3.7977813	QSTM	2.2
VYM	1[illegible].[illegible]	PHIQ	2.2	AA1P	-2.1679210	MSTM	2.2
VZM	3.[illegible]	BETAMP	5.9998213	BB1P	2.6355[illegible]95E-1	TITM	2.2
P	2.2	GAMC	2.2	AA2L	-3.4947243	MITM	2.2
Q	2.2	OMGMAT	1.2	AA1L	2.1853[illegible]2	JITM	2.2
R	2.2	PSIDOT	2.2	BB1L	2.945526575E-1	MMIIM	2.2
ALPHP	-2.[illegible]	ERTX	1.3793504	ERMPX	2.8456[illegible]	LMIIM	2.2
CHIPP	19.549714	ERTZ	1.8269451	ERMPZ	1.0124502	QMITM	2.2
ERTM	2.2	EPSMT	2.5[illegible]1	SIGMT	1.2[illegible]	XITM	2.2
QMP	15.[illegible]	RGMT	2.[illegible]	RQVI	2.[illegible]	YITM	2.2
MUX3	2.[illegible]	CTSIG	2.[illegible]E-1	CTGI	-2.[illegible]	ZITM	2.2
MUY3	2.[illegible]E-1	CMSIS	-2.[illegible]E-2	DIDT	25.179760	LITM	2.2
MUZ3	-2.[illegible]E-3	CMSIG	2.[illegible]E-6	TIR	573.56122	MITM	2.2
LAMBMM	-2.[illegible]E-1	NZ	2.99660256	MMMM	961.73641	NITM	2.2
DMSMM	2.[illegible]E-1	VC	2.35762786E-5	MIMBLK	1.2	AXP	1.6561742
XMM	1197.[illegible]	MDAM	-390.22968	VXBODI	2.5[illegible]E-2	AYP	-2.25259223E-3
YMM	-[illegible]	JDAM	-[illegible]	VYBODI	-2.[illegible]E-2	AZP	-52.129216
ZMM	-19591.[illegible]	TDAM	15834.611	VZBODI	2.14667184E-3	VXP	101.25875
LMM	-3[illegible]	LDAMM	-1364.4627	PBDI	2.92949299E-3	VYP	12.055806
MMM	12[illegible]	MDAMM	-5948.9216	QBDI	-2.22457346E-3	VZP	5.2081326
NMM	19[illegible]	NDAM	19516.426	RBDI	-2.72147613E-4	PSTM.	2.2
XMP	-3[illegible]	XI	-22.626767	XIM	2.2	PSIDMG	2.2
YMP	-249.[illegible]	YI	-99.[illegible]	YIM	652.95755	BTR	4.2
ZMP	11.[illegible]	ZI	-55.505524	ZIM	-232.38927	MADD	2.2
LMP	552.[illegible]	LI	-177.58525	LIM	3615.5364	XADD	2.2
MMP	-3[illegible]	MI	-1891.6758	MIM	-7138.2213	YADD	2.2
NMP	-2[illegible]	NI	2771.[illegible]	NIM	-19612.664	ZADD	2.2
XMT	-22.[illegible]	XVI	2.29141662E-1	ALFMTI	1.4593262	MADD	2.2
YMT	-1.[illegible]	YVI	-96.[illegible]	ALFVTI	7.2056055	LADD	2.2
ZMT	-63.[illegible]	ZVI	-2.2853[illegible]3E-2	AAGGIP	2.1688534		

WEIGHT	16450.0	FSCG	360.22000	V	80.0 *	PSITR2	0.0
IX	5624.0	WLCG	231.10702	DELS	-5.0	VXSIM.	0.0
IY	3944.0	RHO	0.23760200E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	3722.0	TIME	0.2000000E-1	DELSMM	0.0	VZSIM.	0.0
OMEGAX	27.014944	NOSS	4.0	T-SIMM	-18.0	PSTM.	0.0
OMEGAY	1.0.022	NSSS	5.0	T-SITM	-18.0	WLVI	273.0
RHM	15.0	PASCNT	1270.0	WLMT	250.0	FSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.320000	QSTM.	0.0
LAISTK	-0.05342077	AIS	-1.1795918	IMT	-0.47456734	XA	46.257332
LWBSTK	7.0000244	BIS	7.4464132	IS	-5.0	XB	22.852200
COLSTK	15.527816	THETA0	15.007816	TM7SMM	5.7270165	XC	33.290852
PEDAL	11.7.2459	THETTM	10.170510	TM7STM	4.0765168	XP	48.930402
XAIR	4.0357332	XBIM	2.2852288	XCIM	3.3298852	XPIM	2.6420852
XBALTP	22.013407	XBALTI	2.4613447	RSTM.	0.0	PSTM	0.0
VXB	134.74965	THETAB	4.5362799	AA0P	3.2893906	QSTM	0.0
VYB	11.2.3572	PHIB	0.0	AA1P	-4.9284211	RSTM	0.0
VZB	10.928349	BETAWP	0.4539275	BB1P	0.10289245	TITM	0.0
P	0.0	GAML	0.0	AA0L	-3.6530279	MITM	0.0
Q	0.0	OMGRAT	1.0	AA1L	2.2214837I	JITM	0.0
R	0.0	PSIDOT	0.0	BB1L	0.20619540	MMITM	0.0
ALPHA	-0.17034658	EKTX	1.3041606	EKWPX	0.92513126	LMITM	0.0
CMITMM	81.955173	EKTZ	1.0735255	EKWPZ	1.0000668	QMITM	0.0
EKIM	0.0	EMSMT	0.49433927	SIGWT	0.78037124	XITM	0.0
QBP	25.212501	KGMT	0.87177979	KGVI	0.82736242	YITM	0.0
MUXS	2.1863593I	CTSIG	0.87488483E-1	LTOT	2.5819925	ZITM	0.0
MUYS	4.1356744356-1	CMSIG	-0.45796864E-2	DTOT	24.466765	LITM	0.0
MUZS	0.5324785376-2	CGMSIG	0.49825111E-6	TTM	715.97646	MITM	0.0
LAMMM	-2.1026347506E-1	MZ	0.99696525	MMMM	994.75765	NITM	0.0
DASHPM	0.1555559IE-1	VC	0.71525573E-3	KTRBLK	1.0	AXP	2.6018138
XIM	1864.4174	MBAM	-1046.3982	VXBDOT	0.11368525E-2	AYP	-0.66706579E-2
YMM	-247.03535	JBAM	247.08585	VYBDOT	-0.25891845E-2	AZP	-32.077083
ZMM	-1533.159	IBAM	15659.578	VZBDOT	-0.94646545E-2	VXP	134.74965
LMM	-4104.0488	LBARM	-1745.7028	PDOT	-0.70884203E-3	VYP	11.258372
MMM	2247.0553	MBARM	-13408.597	QDOT	-0.19886833E-3	VZP	10.928049
NMM	19714.526	QBAR	20238.571	RDOT	0.45229100E-3	RSTM.	0.0
XMP	-539.18457	XI	-5.6796826	XTM	0.0	PSIDMG	0.0
YMP	-292.88858	YI	-134.15488	YTM	572.84782	QTM	0.0
ZMP	-62.757454	ZI	249.31175	ZTM	-248.89705	MADD	0.0
LMP	578.53814	LI	-259.48934	LTM	3841.2866	XADD	0.0
MMP	-6459.1575	MI	8495.0565	MTM	-1567.7269	YADD	0.0
NMP	-2549.0975	NI	3745.0599	NTM	-20847.668	ZADD	0.0
XMI	0.21961256	XVI	-4.3993414	ALFMTI	-4.3942027	NADD	0.0
YMI	-1.6888783	YVI	-132.51078	ALFVII	0.8137185	LADD	0.0
ZMI	496.9456	ZVI	0.31515941	AABB1P	4.9294952		

WEIGHT	10[illegible]	FSCG	3[illegible]	V	100.0	PSITM2	0.0
IX	5069.[illegible]	WLCG	651.10000	DELS	-5.0	VXSTM.	0.0
IY	39498.7	RMU	0.23780800E-2	VSOUND	1117.0	VYSTM.	0.0
IZ	37[illegible]	TIME	0.20000000E-1	DELSMM	0.0	VZSTM.	0.0
OMEGAM	27.019999	NOSS	4.0	THSTMM	-10.0	PSTM.	0.0
OMEGTM	1[illegible]	NSSS	5.0	THSTTM	-10.0	WLVT	273.0
RPM	15.0	PASCNT	650.0	WLMT	250.0	PSVT	695.0
FSMT	7[illegible]	SMT	45.0	SVT	32.300000	QSTM.	0.0
LATSTM	-0.39122653	A13	-1.2117287	IMT	-2.7473098	XA	40.384835
LNGSTM	0.[illegible]	M1S	0.9363465	IS	-3.0	XB	10.982042
COLSTM	10.5[illegible]	THETAB	10.504274	THTSMM	0.4282748	XC	37.651717
PEDAL	11.175011	THETTM	10.462741	THTSTM	4.9627414	XP	50.627601
XAIM	0.63[illegible]	XDIM	1.0902282	XCIM	3.7691717	XPIM	2.7330193
XMALTP	[illegible]	XMALTI	0.0007821	RSTM.	0.0	PSTM	0.0
VXB	168.65712	THETAB	3.7634346	AA0P	5.0985285	QSTM	0.0
VYB	11.310877	PHIB	0.0	AA1P	-5.6751459	RSTM	0.0
VZM	11.[illegible]	BETAMP	3.6538269	BB1P	0.89668285E-1	TITM	0.0
P	0.0	GAML	0.0	AA0L	-4.1984655	HITM	0.0
Q	0.0	OMGMAT	1.0	AA1L	1.2438218[illegible]	JITM	0.0
R	0.0	PSIDOT	0.0	BB1L	0.36783657	MMITM	0.0
ALPMP	0.0[illegible]	EMIX	1.3062517	EMMPX	0.92627845	LMITM	0.0
CM.TPP	8[illegible]	EMIZ	1.6466501	EMMPZ	1.0079785	GMITM	0.0
EMIM	0.0	EPSMT	0.49653428	SIGMT	0.64580218	XITM	0.0
UMP	37.4[illegible]	RUMT	0.87177979	RUVT	0.83112733	YITM	0.0
MUXS	0.[illegible]	CTSIG	0.[illegible]3521E-1	ETOT	3.6000110	ZITM	0.0
MUYS	0.15[illegible]559E-1	CMSIG	-0.4797427[illegible]E-2	DTOT	24.500591	LITM	0.0
MUZS	0.31[illegible]69E-2	CUMSIG	0.49648179E-6	TTM	854.81985	MITM	0.0
LAMSMM	-0.[illegible]	NZ	0.99798225	MMMM	1141.8459	NITM	0.0
UMSMMM	0.165[illegible]5E-1	VC	0.143F5114E-4	XTRSLR	1.0	AXP	2.0864613
XMM	1955.6911	MBAM	-1113.1636	VXBDOT	-0.24289368E-1	AYP	-0.694188[illegible]E-2
YMM	-[illegible]	JBAM	247.86668	VYBDOT	0.10850957E-2	AZP	-32.110115
ZMM	-15[illegible]	TBAM	15709.483	VZBDOT	-0.41636227E-2	VXP	168.65712
LMM	-4[illegible]	LBAMM	-2280.4634	PDOT	-0.10446663E-2	VYP	11.310877
MMM	-[illegible]	MBAMM	-15466.560	QDOT	-0.24120453E-3	VZP	11.093577
NMM	[illegible]	QBAM	23242.697	RDOT	0.3767414[illegible]E-2	RSTM.	0.0
XMF	-[illegible]	XI	-24.762[illegible]11	XTR	0.0	PSIDMG	0.0
YMF	-350.[illegible]	YI	-177.17697	YIR	784.53258	BIM	0.0
ZMF	-144.[illegible]	ZI	452.22412	ZIM	-285.54696	MADD	0.0
LMF	7[illegible]	LI	-517.06667	LIP	4478.6604	XADD	0.0
MMF	-3716.5587	MI	12826.693	MIM	-8847.1973	YADD	0.0
NMF	-5171.9575	NI	4444.1070	NIM	-24307.428	ZADD	0.0
XMT	-13.[illegible]	XVT	-14.764586	ALFMTT	-4.6295152	MADD	0.0
YMT	-1.95[illegible]	YVT	-175.[illegible]	ALFVTT	3.85373[illegible]	LADD	0.0
ZMT	451.[illegible]	ZVT	0.35374463	AABB1P	5.6758542		

WEIGHT	16450.0	FSCG	363.20000	V	120.0	PSITR2	0.0
IX	5629.6	XLCG	251.10000	DELS	-5.0	VXSTR.	0.0
IY	59996.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	57228.0	TIME	0.00000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.719999	NRSS	4.0	THSTMR	-14.0	PSTR.	0.0
OMEGTR	124.66000	NSSS	5.0	THSITR	-16.0	WLVI	273.0
REK	15.0	PASCNT	482.0	WLMT	234.0	FSVT	695.0
FSMI	707.46486	SMT	45.0	SVT	52.500000	QSTR.	0.0
LATSTK	-0.67576858	AIS	-1.4210535	IMT	-4.3467436	XA	45.770196
LNGSTK	1.5344197	BIS	11.197095	IS	-3.0	XB	12.741550
COLSTK	17.706066	THETAB	17.706066	THTSMR	7.6200660	XC	45.162914
PEQAL	16.566974	THETTR	14.240254	THTSTR	5.7402541	XP	52.303795
XAIN	4.3777196	XSIN	1.2741350	XCIN	4.5162915	XPIN	2.8243314
XBALTP	12.444383	XMACII	1.2994383	RSTR.	0.0	PSTR	0.0
VXB	202.48461	THETAB	5.1166667	AA2P	5.1396843	QSTR	0.0
VYB	12.276033	PHIB	0.0	AA1P	-6.9689694	RSTR	0.0
VZB	11.026563	BETAMP	3.3497433	BB1P	-0.31131817E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-5.0996570	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.27798836	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.50807981	MMITR	0.0
ALPWF	0.91958681	EKTX	1.4750521	EKWPX	0.91299096	LMITR	0.0
CMITPP	84.999365	EKTZ	1.6650187	EKWPZ	1.0090006	QMIIR	0.0
EKTR	0.0	EPSWT	0.48549743	SIGWT	0.58955484	XITR	0.0
GWF	58.350244	RWHT	0.87177979	RWVI	0.85258756	YITR	0.0
MUXS	0.27970122	CTSIG	0.68356389E-1	LTOT	3.9771369	ZITR	0.0
MUYS	0.10926364E-1	CMSIG	-0.56734859E-2	DIDI	24.522825	LITR	0.0
MUZS	0.37064795E-3	CQMSIG	0.50452984E-6	TTR	1038.6788	MITR	0.0
LAMBMR	-0.49952469E-2	NZ	0.99909857	MPMR	1392.5929	NITR	0.0
DWSHMR	0.14515089E-1	VC	0.14503114E-4	KTRBLK	1.0	AXP	1.7330175
XMR	2144.5869	MBAR	-1516.4382	VXBODT	-0.19809693E-1	AYP	0.26802307E-1
YMR	-278.41793	JBAR	278.41795	VYBODT	0.17944924E-1	AZP	-32.188481
ZMR	-15764.473	TBAR	15856.350	VZBODT	-0.21033093E-1	VXP	202.48461
LMR	-4022.1556	LBARM	-3028.2713	PODT	0.666441A8E-2	VYP	12.276855
MMR	-4895.1479	MBARM	-18939.971	QODT	-0.25208209E-2	VZP	11.026563
NMR	27696.769	NBAR	20346.636	RODT	0.10053956E-3	RSTR.	0.0
XWF	-1655.4696	XT	-48.238524	XTR	0.0	PSIDMG	0.0
YWF	-4862.12191	YT	-236.84878	YTR	976.11089	BTR	0.0
ZWF	-665.21966	ZT	724.06531	ZTR	-355.27592	MADD	0.0
LWF	912.63799	LT	-423.61341	LTR	5572.5236	XADD	0.0
MWF	-4911.9547	MT	26513.892	MTR	-11007.632	YADD	0.0
NWF	-4867.2525	NT	6609.2769	NTR	-50245.162	ZADD	0.0
XHT	-31.155696	XVT	-17.002427	ALFHTT	-5.3668431	NADD	0.0
YHT	-2.6571134	YVT	-258.19167	ALFVTT	3.4323545	LADD	0.0
ZHT	763.79053	ZVT	0.30478071	AABB1P	6.9690369		

WEIGHT	16[illegible].7	FSCG	342.22872	V	157.2	PSITRZ	2.2
IX	5[illegible].0	RLCG	251.1[illegible]4	DELS	-5.6	VXSTR.	0.0
IY	39[illegible].2	RHO	0.237[illegible]E-2	VSOUND	1117.2	VYSTR.	2.2
IZ	37[illegible].0	TIME	0.2[illegible]E-1	DELSMH	0.2	VZSTR.	2.2
OMEGMH	27.219999	MESS	6.0	TASTMH	-18.2	PSTR.	2.2
OMEGTH	1[illegible].[illegible]	MASS	5.6	TASITH	-18.2	RLVT	273.6
WFB	15.2	PASCNT	573.2	RLMT	238.2	PSVT	595.2
PSMT	[illegible]	SMT	45.4	SVT	32.322222	GSTR.	2.2
LATSTR	-1.0284753	AIS	-2.2556253	IMT	-5.9535778	XA	42.322229
LNGSTR	13.[illegible]	BIS	15.713456	IS	-3.0	XB	2.66962982
COLSTR	28.452155	THETAB	28.452155	THTSMH	12.372155	XC	52.525846
PEQAL	9.[illegible]	THETTH	21.449519	THTSTH	7.9495198	XP	55.314488
XAIR	4.[illegible]	XBIR	2.65972982E-1	XCIR	5.2325885	XPIR	2.9869247
XBALTH	-1.[illegible]	XBALTI	-2.15456729	HSTR.	0.2	PSTR	0.2
VBE	253.27664	THETAB	2.3276622	AAZP	3.2778365	QSTR	0.2
VYB	19.1[illegible]	PHIB	0.0	AAIP	-9.5848197	RSTR	2.2
VZH	12.529921	BETAAP	3.3374896	BBIP	-2.46911682	TITR	2.2
P	0.0	GAML	0.0	AAGL	-7.5234495	MITR	2.2
Q	0.0	OMEGAT	1.2	AAIL	2.35337955	JITR	2.2
R	0.0	PSIDOT	0.0	BBIL	0.79625822	MMITR	2.2
ALPHA	0.9[illegible]	EKIX	1.5098124	EKMPX	0.082[illegible]59	LMITR	0.2
CMITPP	79.[illegible]	EKIZ	1.7371895	EKMPZ	1.2116875	QMITR	0.2
EKIM	0.0	EPSMT	0.00337489	SIGMT	0.59759817	XITR	0.0
GAP	79.[illegible]	RGMI	0.81177979	RGMT	0.85264642	YITR	0.0
MLXS	0.[illegible]	CTSIG	0.69853553E-1	LIDT	0.2141359	ZITR	0.0
MDYS	0.[illegible]E-1	CMSIG	-0.77691357E-2	DIDT	24.527354	LITM	0.2
MDZS	-0.[illegible]E-2	CGMSIG	0.9[illegible]E-6	TTR	1519.8467	MITR	0.2
LAMGMH	-0.[illegible]E-1	MZ	1.0[illegible]	MPMH	2836.1595	NITM	0.2
DASMMH	0.[illegible]E-2	VC	0.0	XIRBLK	1.0	AXP	1.2842184
XPM	[illegible]	MBAM	-1[illegible].7782	YABDOT	-0.48482296E-1	AYP	-0.56792657E-1
YPM	-379.73587	JBAM	379.73587	VYBDOT	-0.27[illegible]E-1	AZP	-32.181233
ZPM	-1[illegible]	TBAM	1[illegible]	VZBDOT	-0.332975[illegible]E-1	VXP	253.27664
LPM	-[illegible]	LBARM	-[illegible]	PUDT	-2.1[illegible]E-1	VYP	19.109697
MPM	-1[illegible]	MBARM	-[illegible]	QUDT	0.1[illegible]E-2	VZP	12.529921
NPM	[illegible]	NBAR	[illegible]	RUDT	2.3[illegible]E-2	RSTR.	2.2
XAP	-1[illegible]	XT	-[illegible]	XIP	2.2	PSIDMG	0.2
YAP	-[illegible]	YT	-[illegible]	YIP	[illegible]	QTR	0.2
ZAP	-[illegible]	ZT	[illegible]	ZTP	-[illegible]	MADD	2.2
LAP	[illegible]	LT	-[illegible]	LTM	[illegible]	XADD	2.2
MAP	-[illegible]	MT	[illegible]	MTM	-[illegible]	YADD	2.2
NAP	-[illegible]	NT	[illegible]	NTM	-[illegible]	ZADD	2.2
XMT	-[illegible]	XDT	-[illegible]	ALPHTT	-[illegible]	NADD	2.2
YMT	-[illegible]	YYT	-[illegible]	BETYTT	[illegible]	LADD	2.2
ZMT	[illegible]	ZVT	0.[illegible]	AAPSIP	9.5972914		

WEIGHT	19900.0	PSCG	300.20000	V	140.0	PSITRZ	0.0
IX	6266.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSITR	-18.0	WLVI	273.0
KFR	15.0	PASCNT	1910.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	-1.3798829	AIS	-2.3487080	IMT	-4.9968073	XA	41.375731
LNGSTR	13.968756	BIS	14.179321	IS	-5.0	XB	14.244676
COLSTR	19.086068	THETA0	19.086068	THTSMR	9.8060687	XC	58.787930
PEDAL	14.418970	THETTR	25.706253	THTSTR	12.206253	XP	41.630708
XAIN	4.1375731	XBIN	1.4244676	XCIN	5.8787930	XPIN	2.2479997
XBACTP	15.163444	XBACTI	1.3163444	RSTR.	0.0	PSTR	0.0
VXB	236.16613	THETAB	3.4211264	AA0F	3.9779003	QSTR	0.0
VYB	14.086250	PHIB	0.0	AA1F	-8.0696840	RSTR	0.0
VZB	14.119198	BETAWF	3.3094763	BB1F	-0.24999690	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-7.0139696	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.41012652	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.75937691	MMITR	0.0
ALFWF	1.4462853	EKTX	1.5164854	EKWFX	0.90580918	LMITR	0.0
CHITPP	80.446862	EKTZ	1.6779347	EKWFZ	1.0095531	QMITR	0.0
EKTR	0.0	EPSWT	0.48309476	SIGWT	0.58246783	XITR	0.0
QWF	70.667645	KQWT	0.87177979	KQVT	0.83278099	YITR	0.0
MUXS	0.52651790	CTSIG	0.8310992 9E-1	LTOT	4.9271002	ZITR	0.0
MUYS	0.19430742E-1	CHSIG	-0.8163013 0E-2	DTOT	24.675780	LITR	0.0
MUZS	0.25989980E-2	CUMSIG	0.6389751 0E-6	TTR	1415.4938	MITR	0.0
LAMBMR	-0.84749856E-2	NZ	0.99927145	MPMR	1906.7465	NITR	0.0
UWSMMR	0.10875986E-1	VC	0.1430511 4E-4	KTRBLK	1.0	AXP	1.9042943
XMR	2900.5603	MBAR	-1894.0922	VXBUOT	-0.29405149E-1	AYP	-0.14610363E-1
YMR	-397.76794	JBAR	397.76794	VYBUOT	-0.5137238 7E-3	AZP	-32.172627
ZMR	-19157.233	TBAR	19284.285	VZBUOT	-0.3555893 0E-1	VXP	236.16613
LMR	-8426.0887	LBARM	-4026.6637	PDOT	-0.5096132 2E-2	VYP	14.086250
MMR	-7416.8105	MBARM	-21727.185	QDOT	-0.8366508 8E-2	VZP	14.119198
NMR	37868.856	QBAR	38812.383	RDOT	0.3421933 0E-2	RSTR.	0.0
XWF	-1701.6951	XT	-77.246506	XTR	0.0	PSIDMG	0.0
YWF	-614.29654	YT	-318.46849	YTR	1330.2280	BTR	2.0
ZWF	-391.38724	ZT	958.69202	ZTR	-484.16434	MADD	0.0
LWF	970.13687	LT	-697.51578	LTR	8125.9647	XADD	0.0
MWF	-5106.3585	MT	27176.264	MTR	-15001.025	YADD	0.0
NWF	-5422.8489	NT	8806.8323	NTR	-41214.897	ZADD	0.0
XMT	-53.684132	XVT	-23.562374	ALFMTT	-5.2875001	NADD	0.0
YMT	-3.4697249	YVT	-514.49876	ALFVTT	3.3911929	LADD	0.0
ZMT	958.57248	ZVT	0.11954086	AABB1F	8.0735554		

WEIGHT	14982.2	PSCG	308.22222	V	152.2	PSITR2	2.2
IX	6266.2	WLCG	246.29999	DELS	-5.2	VXSTR.	2.2
IY	41587.2	RHO	2.23782282E-2	VSOUND	1117.2	VYSTR.	2.2
IZ	38224.2	TIME	2.20888822E-1	DELSMX	2.2	VZSTR.	2.2
OMEGMR	27.219999	NBSS	4.2	THSTMP	-18.2	PSTR.	2.2
OMEGTR	124.62662	NSSS	5.2	THSITM	-18.2	WLVT	273.2
RFR	15.2	PASCNT	652.2	PLMT	236.2	PSVT	595.2
PSMT	722.44222	SMT	45.2	SVT	32.522222	QSTR.	2.2
LATSTR	-1.7212238	AIS	-2.7684971	IMT	-5.5294292	XA	39.358621
LNGSTR	15.522851	BIS	15.696298	IB	-5.2	XB	9.5576271
COLSTR	22.843819	THETAZ	22.843819	THTSMR	12.765819	XC	64.773872
PEDAL	14.773232	THETTR	27.229813	THTSTM	13.729813	XP	42.648618
XAIN	3.9356521	XBIN	2.95376271	XCIN	6.4773872	XPIN	2.1949683
XBACTP	7.6536351	XBACTI	6.76338356	PSTR.	2.2	PSTR	2.2
VXB	253.29182	THETAB	3.1823745	AAZP	4.2128211	QSTR	2.2
VYB	15.292222	PHIB	2.2	AAIP	-8.8665188	PSTR	2.2
VZB	14.263835	BETAMP	3.3653411	BBIP	-2.45147337	TITR	2.2
P	2.2	GAMC	2.2	AA2L	-5.2242325	WITM	2.2
Q	2.2	OMGRAT	1.2	BBIC	2.45122386	JITM	2.2
R	2.2	PSIDOT	2.2	BB1L	2.84124588	MMITR	2.2
ALPHF	1.4498536	EATX	1.5411723	EARPX	2.89611582	LMITR	2.2
CHITPP	74.646898	EATZ	1.6988276	EARPZ	1.2163531	QMITR	2.2
EATR	8.2	EPSMT	8.48365341	SIGMT	2.5923828	XITM	2.2
QMP	82.531863	KGMT	8.87177979	KGVT	2.85251252	YITM	2.2
MUXS	2.38982548	CTSIG	2.83528159E-1	LTOT	8.9358733	ZITM	2.2
MUYS	2.21291222E-1	CMSIG	-2.88387722E-2	DTOT	24.688224	LITR	2.2
MUZS	2.11229221E-2	CQMSIG	2.64425797E-8	TTP	1515.5888	MITM	2.2
LAMBMR	-2.9699387BE-2	NZ	2.99962372	MPMX	2178.5731	NITR	2.2
DWSMMB	2.18222327E-1	VC	2.71525573E-5	NTRBLK	1.2	AXP	1.7489458
XMR	3662.2664	MBAR	-2052.8925	VXBDOT	-2.49833478E-1	AYP	-2.26568629E-1
YMR	-441.91884	JBAR	-441.91884	VYBDOT	-2.78172958E-2	AZP	-32.179777
ZMR	-19245.457	TBAR	19382.865	VZBDOT	-2.59799582E-1	VXP	253.29182
LMR	-9842.2296	LBARM	-6698.9642	PDOT	-2.71779297E-2	VYP	15.292222
MMR	-16365.472	MBARM	-23556.821	QDOT	-2.59969936E-2	VZP	14.263835
NMR	43143.256	QBAR	44182.852	RDOT	2.24849984E-2	PSTM.	2.2
XMF	-1938.8852	XT	-93.931626	XTP	2.2	PSIDMG	2.2
YMF	-711.58323	YT	-388.85121	YTP	1515.2928	BTM	2.2
ZMF	-448.44797	ZT	1165.5972	ZTP	-552.59917	MADD	2.2
LMF	1125.7297	LT	-828.98377	LTP	9274.5396	XADD	2.2
MMF	-5826.8184	MT	33258.256	MTP	-17161.564	YADD	2.2
NMF	-6284.1199	NT	16292.852	NTP	-47262.472	ZADD	2.2
XMT	-67.145827	XVT	-26.785778	ALPHTT	-5.6692529	MADD	2.2
YMT	-8.2288828	YVT	-388.82853	ALPVTT	3.8381969	LADD	2.2
ZMT	1165.6226	ZVT	2.74588229E-1	AASSIP	5.8782256		

WEIGHT	19900.7	PSCG	352.27720	V	1.2E-2	PSITRZ	0.0
IX	5000.0	RLCG	246.29999	UELS	-5.0	VXSTR.	0.0
IY	41367.3	RMD	0.2378022E+02	VSOUND	1117.0	VYSTR.	0.0
IZ	39664.0	TIME	0.2000000E-1	UELSMR	0.0	VZSTR.	0.0
OMEGMR	67.6119499	NMSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	164.0000	NSSS	5.0	THSITR	-18.0	RLVT	273.0
RPM	15.7	PASCNT	923.0	RCNT	250.0	PSVT	695.0
PSMI	7000.0000	SMT	45.0	SVI	30.000000	QSTR.	0.0
LATSTR	-0.3134R184	AIS	-1.1811158	IMI	25.960948	XA	40.239491
LNGSTR	0.0000000	BIS	2.0727362	IS	-5.0	XB	32.227658
COLSTR	18.921873	THETAR	18.921873	THTSMR	0.0210735	XC	52.635460
PEDAL	20.784771	THETTR	54.050779	THTSTR	21.350779	XP	15.225182
XAIR	0.0039491	XBIR	3.2227858	XCIR	5.2639459	XPIR	0.72220147
XBALTR	39.171765	XBALTI	3.9171765	PSTR.	0.0	PSTR	0.0
VXB	0.1582465E-1	THETAB	5.3790727	AAGP	4.1570223	QSTR	0.0
VYB	0.0	PHIB	-0.6656245	AAIP	-0.2111676	RSTR	0.0
VZB	0.1584925E-2	BETAMP	0.0	BBIP	-1.3180956	TITR	0.0
P	0.0	GAML	0.0	AA2L	-7.6931510	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	-0.1305573?E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.1836211?	XHITR	0.0
ALPXR	-1.343369	ERTX	-0.2526?883	ERMRX	0.7499539?E-5	LMITR	0.0
CHIPR	-0.1[illegible]	ERTZ	0.2047?R55	ERMRZ	0.1109936?E-3	QMITR	0.0
ERTR	0.0	EPSRT	0.99999999	SIGRT	0.0	XITR	0.0
GMR	0.3[illegible]E-6	RLMI	0.0717797?	RGVT	0.8485?813	YITR	0.0
MUXS	0.[illegible]E-4	CTSIG	0.9016?06?E-1	CIGI	-13.6?4?86	ZITR	0.0
MUYS	0.0	CMSIG	-0.3511555?E-2	DIGI	25.?26190	LITR	0.0
MUZS	0.[illegible]E-6	LAMSIG	0.6977?528E-6	TTR	1319.3?77	MITR	0.0
LAMBMR	-0.[illegible]E-1	VZ	2.99441?99	HRMR	19?7.?429	NITR	0.0
OMBMR	0.5[illegible]E-1	VL	0.1097?565E-3	RTMBLR	0.79599999	AXP	3.2196150
XMR	1747.[illegible]	RDAR	-814.75210	VABODT	0.3?6?4559E-2	AYP	1.5201731
YMR	-330.59[illegible]	JDAR	336.59790	VYBODT	0.3?3?6?9?E-1	AZP	-31.99451?
ZMR	-19333.[illegible]	TDAR	18665.572	VZBODT	-0.2345?3?1E-3	VXP	0.16824626E-1
LMR	-7579.[illegible]	LDARM	-3?e3.2297	PUDT	-0.?5489?86E-3	VYP	0.0
MMR	15?69.3?1	MDARM	-61??.3535	QUDT	0.7?6129?3E-5	VZP	0.15842591E-2
NMR	3?9??.?13	QDAR	39??5.522	RUDT	0.3125?214E-3	RSTR.	0.0
XAR	-?.?[illegible]E-3	XI	4.?611?80	XTR	0.0	PSIUMG	0.0
YAR	0.0	YI	-?.47??925?E-6	YTR	1?39.?547	BTR	0.0
ZAR	0.?3?1?3?/E-5	ZI	5.9441978	ZTR	-451.27188	MADD	0.0
LAR	0.0	LI	-0.185574?6E-5	LTR	7575.9211	XADD	0.0
MAR	-?.13?3?1?2E-3	MI	172.88315	MTR	-13981.862	YADD	0.0
NAR	0.0	NI	0.1323?34?E-4	NTR	-38414.?31	ZADD	0.0
XMT	0.?911?81	XVT	-0.11?51711E-6	ALPMTT	-10.?9655?	MADD	0.0
YMT	0.0	YVT	-?.47??925?E-6	ALPVTT	0.0	LADD	0.0
ZMT	5.9441?77	ZVT	0.?969542?E-7	AABSIP	2.5?04445		

WEIGHT	19900.0	PSCG	386.22362	V	42.0	PSITR2	0.0
IX	6480.0	RLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	81387.6	RHO	2.3780822E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	86484.0	TIME	0.0000000E-1	DELBMR	0.0	VZSTR.	0.0
OMEGAX	27.814999	NSS3	4.0	TRSTMR	-10.0	PSTR.	0.0
OMEGAY	124.86666	NSS5	5.0	TRSTTR	-10.0	RLVT	273.0
RFM	13.0	PASCRT	1749.0	RCRT	254.0	PSVT	695.0
FSMI	766.0	SMI	45.0	SVT	32.360000	QSTR.	0.0
LATSTR	-1.7230573	A1S	-2.4317923	IMI	27.895383	XA	34.215890
LNGSTR	5.0703340	B1S	4.1303418	IS	-5.0	XB	31.305553
COLSTR	17.337819	TMETAR	17.337819	TMTSMR	7.2576195	XC	42.860122
PEDAL	10.000360	TMETTR	24.911485	TMTSTR	11.411485	XP	35.356113
XAIR	3.9213737	XBIR	3.1305333	XLIR	4.2560121	XMIR	1.9091804
XBALIR	37.004465	XBALII	5.7864465	QSTR.	0.0	PSTR	0.0
VXB	87.397263	THETAB	4.4181392	AACP	4.4860283	QSTR	0.0
VYB	0.0	PHIB	-1.4479620	AAIP	-2.5982430	RSTR	0.0
VZB	5.2076417	RETAWP	0.0	RBIP	-9.1873E083	TITR	0.0
P	0.0	GAMC	0.0	AAGL	-5.1682034	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	9.25352349	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.13468706	MMITR	0.0
ALPAP	-13.077489	ERTX	1.1102937	ERMPX	0.76130461	LMITR	0.0
CMITRR	87.192878	ERTZ	2.0436155	ERMPZ	1.2244146	QMITR	0.0
ERTR	0.0	EPSRT	0.4499999	SIGRT	0.0	XITR	0.0
QBR	9.5551763	RGMT	0.0177979	RGVI	0.84852813	YITR	0.0
MUX3	0.9326795735E-1	CISIG	0.6613200?E-1	LIGI	-21.825976	ZITR	0.0
MUY3	0.0	CMSIG	-0.2951745GE-2	DIGI	26.859905	LITR	0.0
MUZ3	0.2371228?E-2	CGMSIG	0.6553417?E-6	TIR	96?.77001	MITR	0.0
LAMBMR	-0.3421373?E-1	NZ	0.9968?525	HFMR	1486.1058	NIIR	0.0
OMSMMR	0.3356?3??E-1	VL	0.11078338	RTRBLR	1.0	AXP	2.5120826
XMR	1681.2774	MBAR	-684.90386	VXBOOT	0.3284?0?5E-1	AYP	0.78547506
YMR	-433.03993	JBAR	433.03993	VYBOOT	-0.5015516?E-2	AZP	-32.073039
ZMR	-18994.113	TBAR	19257.562	VZBOOT	-0.7347172?E-2	VXP	67.397243
LMR	-5564.?012	LBARM	-1463.6676	PDOI	0.6957?148E-3	VYP	0.0
MMR	14361.463	MBARM	-6937.1763	QDOI	-0.203971?8E-3	VZP	5.2076417
NMR	27?48.?5?	GBAR	2?6?1.696	RDOT	-0.752810?1E-3	RSTR.	0.0
XBF	-199.41154	XI	0.0525415	XIR	0.0	PSIDMG	0.0
YBF	0.0	YI	-7.3?66545	YIR	994.77514	BTR	2.0
ZBF	2?2.?7417	ZI	32.785866	ZIR	-529.31185	MADD	0.0
LBF	0.0	LI	-16.6?6?62	LIR	5527.0004	XADD	0.0
MBF	-5157.4651	MI	943.69699	MIR	-12263.178	YADD	0.0
NBF	0.0	NI	211.66710	NIR	-?8032.949	ZADD	0.0
XMI	12.?77??2	XVI	-1.9951388	ALFMII	-0.86?81371	NADD	0.0
YMI	0.0	YVI	-7.3?66345	ALFVII	0.0	LADD	0.0
ZMI	31.5??3??	ZVI	1.0949344	AABBIP	2.6249910		

WEIGHT	17922.2	PSCG	300.20202	V	62.0	PSITR2	0.0
IX	6656.2	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41367.2	RHO	2.2378200E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	3[illegible]9.1	TIME	0.2[illegible]00E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.219999	NOSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGIR	1[illegible]	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KPR	15.2	PASCNT	1007.0	WLMT	234.0	PSVT	895.0
PSMT	[illegible]	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-1.[illegible]	AIS	-1.6552690	IMT	14.517495	XA	43.661458
LNGSTR	0.[illegible]	BIS	5.1234212	IS	-5.0	XB	20.054961
COLSTR	19.713972	THETAB	18.713972	THTSMR	0.5334722	XC	36.962327
PBIAL	19.[illegible]	THETIR	23.247880	THTSTR	9.7478604	XP	37.893341
XAIS	4.5581458	XBIR	2.8859961	XCIR	3.8982327	XPIR	2.2481872
XBACTP	36.954758	XBACTI	3.2934758	RSTR.	0.0	PSTR	0.0
VXB	101.18582	THETAB	3.7511125	AAOP	3.9477367	QSTR	0.0
VYB	12.954467	PHIB	0.0	AAIP	-2.0161555	RSTR	0.0
VZB	6.6343625	BETAMP	6.3655176	BBIP	0.4[illegible]685E-1	TITR	0.0
P	0.0	GAMC	0.0	AAOL	-4.5099324	HITR	0.0
Q	0.0	UMGRAT	1.0	AAIL	0.24887037	JITR	0.0
R	0.0	PSIDOT	0.0	BOIL	0.11804274	MMITR	0.0
ALPMP	-5.3151446	EATX	1.36531[illegible]	EAMPX	0.88[illegible]79	LMITR	0.0
CMITPP	76.211591	EATZ	1.8474976	EAMPZ	1.0117881	QMITR	0.0
EAIR	0.0	EPSMT	0.513[illegible]517	SIGMT	1.2418641	XITR	0.0
GAP	19.[illegible]	RGMT	0.87177979	RGVI	0.79561381	YITR	0.0
MUX3	0.13[illegible]	CISIG	0.81363516E-1	CIOI	-3.5599270	ZITR	0.0
MUY3	0.17[illegible]47E-1	CMSIG	-0.[illegible]126E-2	DIOI	25.515201	LITR	0.0
MUZ3	0.14[illegible]90E-2	CLMSIG	0.85412790E-6	TIR	814.71350	MITR	0.0
LAMGMR	-0.[illegible]E-1	NZ	0.99767139	MPMR	1175.6359	NITR	0.0
OMSMMR	0.[illegible]E-1	VC	0.35762786E-5	MIRBLK	1.0	AXP	2.0988061
XMR	1545.4550	MOAR	-656.11947	VXBDOT	-0.13364587E-1	AYP	-0.39639441E-3
YMR	-[illegible]	JOAR	564.26879	VYBDOT	0.2[illegible]E-2	AZP	-32.048456
ZMR	-[illegible]	TBAR	10883.700	VZBDOT	0.62022823E-2	VXP	101.18342
LMR	-[illegible]	LOARM	-1417.0662	PDOT	-0.[illegible]157E-3	VYP	12.954467
MMR	14155.150	MOARM	-7113.1114	QDOT	0.2[illegible]685E-3	VZP	6.6343625
NMR	[illegible]	GOAR	23950.414	RDOT	0.8[illegible]605E-3	RSTR.	0.0
XMP	-[illegible]	XT	-17.240102	XTR	0.0	PSIDMG	0.0
YMP	-[illegible]	YT	-145.54021	YTR	765.65700	BTR	2.0
ZMP	96.[illegible]	ZT	-39.555247	ZTR	-278.66962	MADD	0.0
LMP	512.[illegible]	LT	-230.47646	LTR	4677.0472	XADD	0.0
MMP	-4546.[illegible]	MT	-1142.1912	MTR	-6654.1136	YADD	0.0
NMP	-[illegible]	NT	2955.6501	NTR	-23721.986	ZADD	0.0
XMT	-1[illegible]	XVT	0.99581[illegible]	ALFMTT	2.82752229	NADD	0.0
YMT	-1.[illegible]	YVT	-104.12042	ALFVTT	7.0460263	LADD	0.0
ZMT	-[illegible]	ZVT	-0.23886501	AABBIP	2.5164951		

WEIGHT	19900.0	FSCG	360.20020	V	83.2	PSITRZ	0.0
IX	6255.7	ALLG	246.24999	DELS	-5.0	VXSTR.	0.0
IY	41357.0	RHO	0.23702200E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.3	TIME	0.24000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.419959	NOSS	4.0	T-STMR	-18.0	PSTR.	0.0
OMEGTR	124.52040	NOSS	5.0	T-STTR	-18.0	RLVT	273.0
RPR	15.2	PASCNT	1322.0	RLMT	234.0	PSVT	695.0
PSMT	722.44000	SMT	45.0	SVT	52.300000	QSTR.	0.0
LATSTR	-0.59374148	AIS	-1.5459529	IMT	0.50252089	XA	44.414115
LNGSTR	0.49200291	BIS	0.1939054	IS	-3.0	XB	18.577281
COLSTR	16.812149	THETAB	16.812149	TM7SMR	6.7321494	XC	39.575934
PEQAL	14.402647	THETTR	22.081266	TM7STR	8.5812268	XP	41.454181
XAIN	4.4413115	XBIN	1.8577281	XCIN	3.9575934	XPIN	2.2384675
XBACTP	22.011420	XBACTI	2.2611900	RSTR.	0.0	PSTR	0.0
VXB	134.68519	THETAB	5.3392774	AA0F	3.9490476	QSTR	0.0
VYB	12.676554	PHIB	0.0	AA1F	-5.1259821	RSTR	0.0
VZB	12.586529	BETAWF	4.6932983	BB1F	2.8235167E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.2969659	HITR	0.0
Q	0.0	DIGRAT	1.0	AA1L	0.29884530	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.35822232	MMITR	0.0
ALPHF	-0.44492292	EKTX	1.4071622	EKWPX	0.91884869	LMITR	0.0
CMITPR	81.449915	EKTZ	1.6799861	EKWPZ	1.0085500	QMITR	0.0
EPTR	0.0	EPSWT	0.49693297	SIGWT	0.82602050	XITR	0.0
QWF	25.995369	KQWT	0.87177979	KQVT	0.82610750	YITR	0.0
MUXS	0.18531331	CTSIG	0.82178597E-1	LTOT	2.3838116	ZITR	0.0
MUYS	0.1865851 3E-1	CMSIG	-0.59844284E-2	DTOT	24.518659	LITR	0.0
MUZS	0.78113844E-2	LQMSIG	0.8543384 8E-6	TTR	829.87258	MITR	0.0
LAMDMR	-0.11156461E-1	NZ	0.99553448	MFMR	1165.7512	NITR	0.0
DWSMMR	0.18747846E-1	VC	0.71525573E-5	RTRBLK	1.0	AXP	2.9886527
XMR	2564.4964	MBAR	-1368.5877	VXBDOT	-0.51768114E-2	AYP	-0.18540389E-1
YMR	4323.18599	JBAR	325.18869	VYBDOT	-0.1022361 4E-1	AZP	-32.829499
ZMR	-18967.991	IBAR	19068.185	VZBDOT	0.21246476E-2	VXP	134.68519
LMR	-4989.2226	LBARM	-1811.5198	PDOT	-0.49499578E-2	VYP	12.676553
MMR	3164.8852	MBARM	-13933.217	QDOT	0.11635551E-2	VZP	12.586529
NMR	23022.697	QBAR	23888.498	RDOT	-0.24782914E-3	RSTR.	0.0
XWF	-511.36614	XT	1.3413611	XTR	0.0	PSIDMG	0.0
YWF	-318.33495	YT	-182.11436	YTR	779.88313	QTR	0.0
ZWF	-55.963557	ZT	304.95779	ZTR	-283.85479	HADD	0.0
LWF	504.89656	LT	-310.23289	LTR	8764.0725	XADD	0.0
MWF	-6901.1635	MT	6659.3868	MTR	-8794.7677	YADD	0.0
NWF	-2965.6975	NT	5955.8176	NTR	-24165.378	ZADD	0.0
XMT	5.2196756	XVT	-3.8785139	ALPHTT	-4.2306754	NADD	0.0
YMT	-1.8378277	YVT	-182.27695	BLPVTT	5.1227869	LADD	0.0
ZMT	3.4.85234	ZVT	0.32524453	AA8B1F	5.1266455		

WEIGHT	19955.5	PSCG	302.20000	V	100.0	PSITW2	0.0
IX	6000.0	WLLG	240.24999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.23782220E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	50004.0	TIME	0.20020000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NPSS	0.0	THSTMR	-10.0	PSTW.	0.0
OMEGTR	124.60000	NSSS	5.0	THSITR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	839.0	PLMT	250.0	PSVT	695.0
PSMT	700.46000	SMT	45.0	SVT	52.300000	QSTW.	0.0
LATSTR	-0.86152671	AIS	-1.3090681	IMT	-1.9297120	XA	44.618845
LNGSTR	9.4049446	BIS	9.5019332	IS	-3.0	XB	15.000197
COLSTR	17.353626	THETAB	17.353626	TH75MR	7.2730259	XC	42.960163
PEDAL	13.496135	THETTR	22.234666	TH75TR	6.7344861	XP	42.830650
XAIR	8.8813885	XBIR	1.5000197	XLIR	8.2980162	XPIR	2.3127938
XBALTR	17.250737	XBALTI	1.7256037	PSTW.	0.0	PSTR	0.0
VXB	100.47000	THETAB	8.5077031	AAGR	3.9214290	QSTW	0.0
VYB	11.490813	PHIB	0.0	AAIR	-5.6300540	RSTW	0.0
VZB	13.262449	BETAWR	5.6789407	BBIR	0.12111235	TITW	0.0
P	0.0	GAML	0.0	AAGL	-4.6913106	HITW	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.3210497	JITW	0.0
R	0.0	PSIDOT	0.0	BBIL	0.4241470	PHITR	0.0
ALFWR	0.7349516	ERTX	1.3726549	ERWRX	0.9285940	LHIIR	0.0
CHITHR	52.104142	ERTZ	1.6433592	ERWRZ	1.2078158	GHIIR	0.0
ERTR	0.0	EPSRT	0.4000784	SIGRT	0.6474935	XITW	0.0
QWR	30.000300	RGMT	0.8717797	RGVT	0.8516044	YITW	0.0
MUXS	0.2533111	CTSIG	0.2216655E-1	CIDT	3.7900809	ZITW	0.0
MUYS	0.1505036E-1	CMSIG	-0.6182455E-2	DIDT	24.535673	LITR	0.0
MUZS	0.8133476E-2	CDMSIG	0.6299026E-6	TTR	963.00141	MITR	0.0
LAMDMR	-0.0912564E-2	NZ	0.9966171	MPMR	1267.7021	NITR	0.0
DMSMMR	0.1504577E-1	VG	0.7152557E-5	KTRBLK	1.0	AXP	2.5184403
XMR	2430.1515	MBAR	-1434.5365	VXBDOT	-0.6691938E-2	AYP	-0.2731075E-1
YMR	-300.17092	JBAR	300.17692	VYBDOT	-0.1320636E-1	AZP	-32.003499
ZMR	-18751.516	IBAR	19003.999	VZBDOT	0.7454976E-2	VXP	100.47008
LMR	-5537.3534	LBARM	-2231.5081	PDOT	-0.0754165E-2	VYP	11.490813
MMR	1576.2426	MBARM	-1522.447	QDOT	0.2137957E-2	VZP	13.262449
NMR	2515.5726	NBAR	2580.447	RDOT	-0.7272037E-3	RSTW.	0.0
XWP	-910.2965	X1	-23.040025	X1R	0.0	PSIDMG	0.0
YWP	-307.70401	Y1	-179.56283	Y1R	867.00214	BTW	0.0
ZWP	-1524.1952	Z1	409.07685	Z1R	-315.70915	HADD	0.0
LWP	576.66019	L1	-393.23299	L1R	5296.6996	XADD	0.0
MWP	-3562.4857	M1	11524.654	M1R	-9781.7226	YADD	0.0
NWP	-3650.4541	N1	5600.9820	N1R	-2667.5.000	ZADD	0.0
XMT	-10.483316	XVT	-10.556925	ALFMTI	-4.0742557	MADD	0.0
YMT	-1.2995657	YVT	-177.66714	ALFVTI	3.9021057	LADD	0.0
ZMT	409.07136	ZVT	0.3953255E	AABBIR	5.6515565		

WEIGHT	19490.2	FSCG	367.20000	V	120.0	PSITR2	0.0
IX	6000.0	ALCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.2	RHO	0.23780200E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	50264.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGAX	27.219999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGAY	124.62000	NOSS	5.0	THSTTR	-16.0	HLVT	273.0
RPR	15.0	PASCNT	650.0	ALMT	234.0	FSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	36.300000	QSTR.	0.0
LATSTR	-0.99875487	A1S	-1.8086184	IMT	-3.7852658	XA	43.827820
LNGSTR	11.010727	B1S	11.567868	IS	-3.0	XB	8.9514927
COLSTR	10.375881	THETAB	10.575881	THTSMR	8.2436810	XC	49.336758
PEDAL	13.996200	THETTR	23.464861	THTSTR	9.9648616	XP	42.813804
XAIR	0.3527920	XBIR	0.89518927	XCIR	8.9536757	XPIR	2.3118853
XBACTR	9.5057741	XBALTI	0.95057740	RSTR.	0.0	PSTR	0.0
VXB	292.34284	THETAB	5.8803538	AAXP	3.9343484	QSTR	0.0
VYB	12.147740	PHID	0.0	AAIP	-6.6272144	RSTR	0.0
VZB	13.725823	BETAMP	3.2950735	BBIP	2.41697418E-1	TITR	0.0
P	0.0	GAMG	0.0	AABL	-5.5727357	HITR	0.0
Q	0.0	OMGMAT	1.2	BBIL	0.35889046	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.54690050	MHITR	0.0
ALPHP	1.2246483	EATX	1.4241069	EAPPX	0.92182146	LMITR	0.0
CMIPP	81.057575	EATZ	1.6446784	EAPPZ	1.0085214	CMITR	0.0
EATR	0.0	EPSWT	0.48695E75	SIGAT	0.57943292	XITR	0.0
QBF	53.014540	RGMT	0.87177979	RGVT	0.85285017	YITR	0.0
MUXS	0.27977279	CTSIG	0.8250473EE-1	LTOT	0.5227328	ZITR	0.0
MUYS	0.19756736E-1	CMSIG	-0.64692014E-2	DTOT	24.606468	LITR	0.0
MUZS	0.4236507E-2	CGMSIG	0.6321P945E-6	TTR	1113.8902	MITR	0.0
LAMBMR	-0.2225E3E5E-2	NZ	0.99746653	MPMR	1505.8917	NITR	0.0
DWSHMF	0.1654358E-1	VC	0.715255738-5	RTPBLR	1.0	AXP	2.1729514
XMR	2615.0000	MBAR	-1617.0680	VXBDOT	0.35966927E-2	AYP	-0.53915172E-1
YMR	4383.68285	JBAR	383.68285	VYBDOT	-0.18252371E-1	AZP	-32.882900
ZMR	-1951.3X9	IBAR	19143.861	VZBDOT	0.16914587E-1	VXP	202.34284
LMR	-6571.9996	LBARM	-2901.5856	PDOT	-0.11789320E-1	VYP	12.147740
MMR	-2771.2595	MBARM	-17869.492	QDOT	0.50595292E-2	VZP	13.725623
NMR	29836.369	QBAR	30852.867	RDOT	-0.22784791E-2	RSTR.	0.0
XMP	-1674.7297	XI	-47.877826	XIR	0.0	PSIDMG	0.0
YMP	-4356.12975	YI	-235.34987	YIR	1285.7923	BTR	2.0
ZMP	-267.16275	ZI	641.17845	ZIR	-581.00197	MADD	0.0
LMP	723.47715	LI	-515.73706	LIR	6594.5406	XADD	2.2
MMP	-4297.1064	MI	18184.178	MIR	-11804.711	YADD	0.0
NMP	-4030.8915	NI	6567.5356	NIR	-52435.114	ZADD	0.0
XMI	-30.657654	AVI	-17.226572	ALFMII	-4.6716217	NADD	0.0
YMI	-2.8352748	YVI	-232.91388	ALPVII	3.4184942	LADD	0.0
ZMI	640.94445	ZVI	0.27160240	AABBIP	6.6273456		

RELMT	19957.7	FSCG	30M.FEEEE	V	180.0	PSITR2	0.0
IX	6260.0	RLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.6	RHO	2.2378042CE-2	VSOUND	1117.6	VYSTR.	0.0
IZ	30224.9	TIME	0.2068000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.0119999	NOSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	124.8E4[illegible]	LOSS	5.0	THSITR	-18.0	RLVT	275.0
KFR	15.0	PASCNT	671.0	RLMT	254.0	PSVT	695.0
FSMT	722.4[illegible]	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-1.5[illegible]	ALS	-2.3498386	IMT	-5.2418587	XA	41.370803
LNGSTR	13.971514	BIS	14.1A1699	IS	-5.0	XB	0.63068929
COLSTR	19.889514	THETAR	19.889514	TH75MR	9.8095184	XC	58.889465
PEVAL	14.420[illegible]	THETTR	25.717481	TH75TR	12.217481	XP	41.611844
XAIN	0.1577882	XBIN	0.63F88929E-1	XCIN	5.8889469	XPIN	2.2489379
XDALTF	-6.45E34CC9	XDALTI	-6.45E34009E-1	RSTR.	0.0	PSTR	0.0
VXM	256.18713	THETAD	3.4185080	AABF	3.9794019	QSTR	0.0
VYM	14.[illegible]651	PHIB	0.0	AAIF	-0.0677690	RSTR	0.0
VZB	14.177136	BETAWF	3.3123762	BBIF	-0.25026872	TITR	0.0
P	0.0	GAMC	0.0	AAGL	-7.0194736	HITR	0.0
Q	0.0	OMGFRT	1.0	BBIL	2.41530321	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.73561136	MMITR	0.0
ALFWF	1.4814367	ERTX	1.5167144	ERWFX	0.90576988	LMITR	0.0
CMITFF	80.443867	ERTZ	1.6780172	ERWFZ	1.0095561	UMITR	0.0
ERIM	0.0	EPSMT	0.40312571	SIGMT	0.50297751	XITR	0.0
UWF	7[illegible]	RUMT	0.87177979	RUVT	0.85276708	YITR	0.0
MUXB	0.3[illegible]	CTSIG	0.85113285E-1	ETGT	4.9195709	ZITR	0.0
MUYB	0.1934[illegible]	CHSIG	-0.31531914E-2	DIDI	24.674911	LITR	0.0
MUZB	0.[illegible]	CGMSIG	0.6396[illegible]29E-6	TTR	1416.4879	MITR	0.0
LAMDMR	-0.05 3[illegible]	NZ	0.99853077	MRMR	1988.1615	NITR	0.0
DMSMR	0.1[illegible]	VC	0.14305114E-4	RTRBLR	1.0	AXP	1.8798546
XMR	2643.7115	MBAR	-1867.1726	VXBDOT	-0.38041757E-1	AYP	-0.35916692E-1
YMR	-[illegible]	JBAR	[illegible]	VYBDOT	-0.12122362E-1	AZP	-52.143636
ZMB	-19155.573	TBAR	19285.064	VZBDOT	-2.2124062E-1	VXP	256.16713
LMB	-8469.7981	LBARM	-4[illegible]6.6960	PDOT	-0.93392359E-2	VYP	14.098651
MMB	-73[illegible]	MBARM	-[illegible]1721.684	QDOT	-0.13543825E-2	VZP	14.100150
NMB	37[illegible]	NBAR	50841.186	RDOT	0.27808904E-2	RSTR.	0.0
XMF	-1771.6334	XT	-77.554184	XTR	0.0	PSIDMG	0.0
YMF	-614.[illegible]	YT	-51[illegible]	YTR	1551.1622	MTR	2.0
ZMF	-396.71367	ZT	967.91142	ZTR	-484.50438	MAUD	0.2
LMF	978.97584	LT	-697.71375	LTR	8131.6717	XADD	0.2
MMF	-5113.5981	MT	27437.267	MTR	-15011.560	YADD	0.0
NMF	-54[illegible]	NT	8[illegible]	NTR	-41[illegible]	ZADD	0.0
XMT	-54.[illegible]	XVT	-[illegible]	ALFMTT	-5.3383218	NADD	0.0
YMT	-5.[illegible]	YVT	-515.19184	ALFVTT	5.3942437	LADD	0.0
ZMT	967.[illegible]	ZVT	0.1[illegible]	AABBIF	0.0716698		

WEIGHT	19975.0	FSCG	360.20000	V	152.0	PSITRZ	0.0
IX	6200.0	RLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38220.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.014999	NOSS	4.0	THSIMR	-18.0	PSTR.	0.0
OMEGTR	164.00000	NSSS	5.0	THSITR	-18.0	MLVT	273.0
RFR	15.0	PASCRT	2984.0	MLMT	234.0	PSVT	695.0
FSMI	700.00000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	-1.5651752	AIS	-2.7520689	IMT	-5.0420985	XA	39.467667
LNGSTR	14.149449	BIS	14.560065	IS	-5.0	XB	0.0
COLSTR	27.022676	THETAB	27.022676	THTSMR	10.742676	XL	64.641730
PEDAL	14.199165	THETTR	27.210397	THTSTR	15.710397	XP	40.576665
XAIR	3.9867667	XBIR	0.0	XCIR	6.4641732	XPIR	2.1912829
XBALIR	-2.2663095	XBALTI	-0.22603098	RSTR.	0.0	PSIR	0.0
VXB	253.30319	THETAB	2.2662875	AAZP	4.0973046	QSTR	0.0
VYB	14.084941	PHIB	0.0	AAIP	-7.5825496	RSTR	0.0
VZB	10.224502	BETANP	3.2283334	BBIP	-0.34475284	TITR	0.0
P	0.0	GAML	0.0	AAOL	-7.9664496	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.44695707	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.71456545	MMITR	0.0
ALPHP	2.5239863E	EATX	1.5496155	EAMPX	2.849883081	LMITR	0.0
CHITRR	74.994961	EATZ	1.6903844	EAMPZ	1.0170153	GMITR	0.0
EATR	0.0	EPSAT	0.48228333	SIGAT	0.56018670	XITR	0.0
QWP	87.695015	KQMT	0.87177979	KQVT	0.85317665	YITR	0.0
MUXS	0.38702715	CTSIG	0.85284435E-1	LTOT	3.2453088	ZITR	0.0
MUYS	0.0000000E-1	CMSIG	-0.74659716E-2	QTOT	24.384662	LITR	0.0
MUZS	-0.44742511E-2	CGMSIG	0.65815310E-8	TIR	1073.8868	MITR	0.0
LAMBMR	-0.1466135E-1	MZ	0.99943774	HPMR	2154.7250	NITR	0.0
OMSMR	0.1044316E-1	VC	0.71525573E-3	KTRBLR	1.0	AXP	0.75788993
XMR	6756.9564	MBAR	-1717.9692	VXBDOT	-0.25181445E-1	AYP	-0.89964120E-1
YMR	-892.75551	JBAR	892.75551	VYBDOT	-0.44927900E-1	AZP	-31.494020
ZMR	-19061.014	TBAR	19779.562	VZBDOT	-0.68679224E-2	VXP	253.30319
LMR	-9062.1752	LBARM	-4844.1771	PDOT	-0.29802551E-1	VYP	14.084941
MMR	-4476.4265	MBARM	-20313.149	QDOT	0.27061774	VZP	10.224502
NMR	42733.969	QBAR	45802.250	RDOT	-0.28165179E-3	RSTR.	0.0
XWP	-1429.8756	XI	-61.870546	XIR	0.0	PSIDMG	0.0
YWP	-582.78566	YI	-359.28493	YIR	1326.8985	BTR	0.0
ZWP	-279.75100	ZI	1411.9615	ZIR	-545.46657	MADD	0.0
LWP	1079.7445	LI	-785.89784	LIR	9205.1801	XADD	0.0
MWP	-7511.6545	MI	48035.364	MIR	-16495.362	YADD	0.0
NWP	-5645.5159	NI	10226.197	NIR	-48888.879	ZADD	0.0
XMT	-53.491369	XVI	-27.579638	ALPMII	-6.8554578	NADD	0.0
YMT	-6.7727879	YVI	-358.51618	ALPVII	3.2965971	LADD	0.0
ZMT	1411.5812	ZVI	0.51826883	AADBIP	7.5403828		

WEIGHT	10852.0	PSIG	998.60000	V	82.0	PSITHE	0.0
IX	5624.6	RLOG	651.14466	DELS	-5.0	VXSTR.	0.0
IY	39496.7	RHO	0.23702202E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	37726.6	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMX	27.014799	NOSS	4.0	TASTMR	-10.0	PSTR.	0.0
OMEGTR	164.42606	NOSS	5.0	TASITR	-10.0	RLVI	275.6
RPM	15.7	PASCRT	1791.0	WLMT	258.0	PSVT	595.0
PSMT	700.4.600	SMT	45.0	SVI	32.306709	USTR.	0.0
LATSTR	-1.3813715	AIS	-1.9559842	IMT	20.591711	XA	41.492303
LNGSTR	3.4465464	BIS	3.4066662	IS	-3.0	XB	36.196290
COLSTR	15.057016	THETA0	15.057016	THTSMR	5.9770165	XC	34.456356
PEQAL	16.776745	THETTR	19.463165	THTSTR	5.9531655	XP	46.199973
XAIR	0.1497302	XCIR	3.8198789	XCIR	3.2858353	XPIR	2.8987330
XBALTP	42.353414	XBALTI	0.2565414	RSTR.	0.0	PSTR	0.0
VXB	67.455255	THETAB	3.7687499	AAAR	3.1702728	QSTR	0.2
VYB	0.0	PHIB	-1.4464020	AAIR	-2.1722624	RSTR	0.2
VZB	0.5724967	BETAMR	0.0	BBIR	-0.51436989E-1	TITR	0.0
P	0.0	GAML	0.0	AAOL	-3.9953211	HITR	0.2
Q	0.0	OMGRAT	1.0	AAIL	2.1787781	JITR	0.2
R	0.0	PSIOUT	0.0	BBIL	0.94156533E-1	MMITR	0.2
ALPHR	-11.726589	ERTX	1.1865960	ERMRX	0.74869568	LMITR	0.0
CHITRR	76.000644	ERTZ	2.2473757	ERMRZ	1.2191912	GMITR	0.2
ERIR	0.0	EPSMT	0.44999999	SIGMT	0.0	XITR	0.0
QMR	0.85385745	RHM1	0.87177979	RHVI	0.84852815	YITR	0.2
MUXS	0.9523353?E-1	CTSIG	0.8?2078?12E-1	ETOT	-17.144564	ZITR	0.0
MUYS	0.0	CMSIG	-0.10164730E-2	DTOT	25.695775	LITR	0.2
MUZS	0.1153555?E-2	CUMSIG	0.51052E34E-6	TIR	756.52124	MITR	0.0
LAMBMR	-0.2853451?5E-1	NZ	0.99764622	MBMR	1101.4252	NITR	0.0
DWBMMR	0.2951?8?15E-1	VL	0.10097622	RIMBLR	1.0	AXP	2.0974315
XMR	1455.4535	MBAR	-421.48255	VXBOOT	0.16102421E-1	AYP	0.80226035
YMR	-313.63962	JBAR	313.63962	VYBOOT	-0.9665?649?E-2	AZP	-52.040472
ZMR	-15512.741	TBAR	15557.356	VZBOOT	-0.41171087E-2	VXP	67.458255
LMR	-8645.1254	LMAMM	-1117.6117	PDOT	-0.52210683E-3	VYP	0.0
MMR	15004.154	MBAMM	-5634.9140	QDOT	-0.23139044E-3	VZP	4.3729967
NMR	21805.345	QBAR	22419.828	RDOT	-0.27002965E-3	RSTR.	0.0
XMF	-194.44925	XI	-21.171516	XIR	0.0	PSIUMG	0.0
YMF	0.0	YI	-7.5038817	YIR	710.95029	BIR	0.0
ZMF	195.95548	ZI	-25.659705	ZIR	-258.76524	MADD	0.0
LMF	0.0	LI	-13.844584	LIR	4056.6023	XADD	0.0
MMF	-4524.5576	MI	-751.59684	MIR	-8017.4097	YADD	0.0
NMF	0.0	NI	211.54252	NIR	-22027.604	ZADD	0.0
XMT	-19.119767	XVT	-2.0515485	ALFMTT	0.97851419	MADD	0.0
YMT	0.0	YVT	-7.5038817	ALFVTT	0.0	LADD	0.0
ZMT	-25.543225	ZVT	0.98552117	AABBIR	2.1731458		

WEIGHT	1643[illegible]	PSLG	357.27000	V	60.0	PSITR2	0.0
IX	5[illegible]	RLDG	251.1[illegible]0	DELS	-5.0	VXSTR.	0.0
IY	5[illegible]	RHO	2.2378[illegible]E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	3[illegible]	TIME	0.2[illegible]E-1	DELSMR	0.0	VZSTR.	0.0
OMEGAR	27.819999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	1[illegible]	NOSS	5.0	THSTTR	-18.0	WLVT	273.0
RER	15.0	PASCNT	1196.0	WLMT	234.0	FSVT	695.0
FSMT	7[illegible]	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	-0.[illegible]	AIS	-1.3046502	IMT	13.165316	XA	45.132297
LNGSTR	5.5[illegible]	BIS	4.2277621	IS	-5.0	XB	30.470793
COLSTR	15.[illegible]	THETA0	15.585026	THTSMR	5.5052262	XC	31.986414
REQAL	15.[illegible]	THETTR	21.484687	THTSTR	7.9846870	XP	39.025682
XAIR	4.5132296	XBIR	3.0472793	XCIR	3.1926414	XPIR	2.1073320
XBACTR	35.[illegible]	XBACTI	3.5041890	RSTR.	0.0	PSTR	0.0
VXB	101.25604	THETAB	2.9602983	AA0P	3.0866109	QSTR	0.0
VYB	11.[illegible]	PHIB	0.0	AA1P	-2.1670681	RSTR	0.0
VZB	5.2365291	BETAWP	5.9405193	BB1P	0.66043304E-1	TITR	0.0
P	0.0	GAML	0.0	AA0L	-3.4806591	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.16364891	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.94350420E-1	MMITR	0.0
ALFWF	-4.7787766	ERTX	1.3798324	ERWPX	0.89527361	LMITR	0.0
CMIPP	74.57[illegible]	ERTZ	1.8285069	ERWPZ	1.0104294	QMITR	0.0
ERTR	0.0	EPSRT	0.50940518	SIGWT	0.99662441	XITR	0.0
QRP	15.[illegible]	RGMT	0.87177979	RQVI	0.80382914	YITR	0.0
MUXS	2.13985765	CTSIG	0.66511882E-1	LTOT	-2.5464282	ZITR	0.0
MUYS	0.[illegible]E-1	CMSIG	-0.16781210E-2	DIOI	25.144511	LITR	0.0
MUZS	-0.[illegible]E-4	CQMSIG	0.49259199E-6	TTR	671.61545	MITR	0.0
LAMBMR	-0.[illegible]E-1	NZ	0.94852628	HPMR	959.27262	NITR	0.0
OMSMMR	0.[illegible]E-1	VC	0.71525573E-5	RTRBLR	1.0	AXP	1.6534880
XMR	1196.4919	MBAR	-384.38026	VXBDOT	-0.79001090E-2	AYP	0.55388183E-3
YMR	-285.05483	JBAR	285.05483	VYBDOT	0.12810946E-2	AZP	-32.120442
ZMR	-15540.256	TBAR	15432.963	VZBDOT	0.202452346-2	VXP	101.25604
LMR	-3978.8864	LBARM	-1358.2255	PDOT	-0.31920682E-3	VYP	11.936227
MMR	16965.344	MBARM	-5945.5029	QDOT	2.98061257E-4	VZP	5.2365291
NMR	10952.145	QBAR	19526.274	RDOT	0.31239734E-4	RSTR.	0.0
XMP	-369.84394	XT	-22.963525	XTR	0.0	PSIDMG	0.0
YMP	-248.98518	YT	-98.593088	YTR	831.13713	BTR	2.0
ZMP	71.365852	ZT	-66.524726	ZTR	-229.72285	MADD	0.0
LMP	546.27164	LT	-176.32161	LTR	3603.0870	XADD	0.0
MMP	-3451.3095	MT	-1912.6530	MTR	-7117.5797	YADD	0.0
NMP	-2148.3801	NT	2751.2039	NTR	-19555.351	ZADD	0.0
XMT	-22.[illegible]	XVT	-0.92005049E-1	ALFMTT	1.4761458	NADD	0.0
YMT	-1.1113823	YVT	-97.482344	BETVTT	7.[illegible]	LADD	0.0
ZMT	-69.34[illegible]	ZVT	0.19034725E-1	AABB1P	2.1680942		

WEIGHT	10452.7	PSCG	352.20272	V	82.2	PSIT*2	0.0
IX	5079.6	ALCG	251.14622	DELS	-5.6	VXSTR.	0.0
IY	39995.2	RHO	2.2378222E-3	VSOUND	1117.2	VYSTR.	0.0
IZ	37666.1	TIME	0.2627622E-1	DELSMX	0.2	VZSTR.	0.0
DMASMX	27.714994	NOSS	6.6	THSTMX	-10.0	PSTR.	0.0
DMASTX	164.56666	NOSS	5.2	THSTTX	-10.6	ALVI	273.2
XPR	19.0	PASCNT	1238.2	ELMT	238.2	PSVT	995.0
PSMT	7.4.44444	SMT	45.6	SVT	32.322227	USTR.	0.0
LATSTR	-0.0526594	AIS	-1.1791534	IMT	-0.0756696	XA	46.258521
LNGSTR	0.4143152	BIS	7.8446345	IS	-3.6	XB	20.252596
COLSTR	13.6659450	THETAX	15.6659438	THTSMX	5.7254324	XC	33.283948
PEDAL	14.4466634	THETTX	20.616572	THTSTX	7.3125765	XP	41.622162
XAIR	0.0259521	XBIN	0.2252596	XLIN	3.3653932	XPIN	0.2475302
XBALTP	20.4154636	XBALTI	0.4616264	PSTR.	0.0	PSTM	0.0
VXB	134.79992	THETAB	0.0023713	AAZP	3.2986714	QSTM	0.0
VYB	11.653474	PHIB	0.0	AAIP	-4.9277219	RSTM	0.0
VZB	10.942567	BETAWP	0.0289572	BBIP	0.1239893E	TITM	0.0
P	0.0	GAML	0.0	AA2L	-3.6546631	HITM	0.0
Q	0.0	QBRAT	1.0	AAIL	0.2261E33E	JITM	0.0
R	0.0	PSIDOT	0.0	BBIL	0.2861133	MMITR	0.0
ALPXP	-0.1766153	ERTX	1.3535213	ERMPX	0.9252E026	LMITR	0.0
CMITRP	81.4467457	ERTZ	1.0733499	ERMPZ	1.2080595	NMITR	0.0
EPIX	0.0	EPSMT	0.4946E967	SIGMT	0.7787942E	XITM	0.0
DAR	25.611476	RHMT	0.87177979	RQVI	0.8274237E	YITM	0.0
MUXB	0.1553444E	CPSIB	0.6746E921E-1	LTBI	0.5555967	ZITM	0.0
MUYB	0.1349E534E-1	CMSIB	-0.4587754E-2	DTOI	24.464993	LITM	0.0
MUZB	0.3344597E-2	CMSIB	0.4961355E-6	TIM	715.37969	MITR	0.0
LAMBMX	-0.1726264E-1	NZ	0.99988114	RPMM	990.17597	NITM	0.0
GMSMMX	0.1555594E-1	VC	0.7156557E-5	RTMBLK	1.0	AXP	0.6025858
XMM	1554.1149	MBAM	-1646.1868	VXBODI	-0.5279983E-2	AYP	-0.8298447E-2
YMM	-297.5E7E	MBAM	247.3E992	VYBODI	-0.2612566E-2	AZP	-52.8734789
ZMM	-13552.4E6	TBAM	13657.832	VZBODI	-0.7126677E-2	VXP	134.74848
LMM	-4154.9E74	LBAMM	-1746.8668	PDOT	-0.1115E158E-2	VYP	11.235479
MMM	2661.0473	MBAMM	-1348E.365	QDOT	-0.2599E718E-3	VZP	10.942367
NMM	19763.745	NBAM	2E277.453	RDOT	0.1954325SE-2	RSTM.	0.0
XMP	-333.19647	XT	-3.7627322	XTR	0.0	PSIDMS	0.0
YMP	-29E.E9E25	YT	-135.96546	YTR	572.28788	BTR	0.0
ZMP	-82.443216	ZT	298.81341	ZTM	-244.69295	MADD	0.0
LMP	517.16933	LT	-239.12351	LTR	3037.8651	XADD	0.0
MMP	-2936.2466	MT	8496.9476	MTM	-7581.4225	YADD	0.0
NMP	-2334.7647	NT	3737.8156	NTM	-2E929.692	ZADD	0.0
XMT	0.0834367	XVT	-4.6282629	ALFMTT	-4.3876488	MADD	0.0
YMT	-1.8341134	YVT	-13E.39653	ALFVTT	4.8836894	LADD	0.0
ZMT	29E.44443	ZVT	0.31657686	AA9B1P	4.9286198		

WEIGHT	16952.2	FSCG	362.23070	V	120.0	PSITR2	0.0
IX	5029.4	WLCG	231.10000	DELS	-5.0	VXSTR.	0.0
IY	39998.7	RHO	0.23744702E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	37226.0	TIME	0.20000002E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	TASITR	-18.0	PSTR.	0.0
OMEGTR	164.62000	NSSS	5.0	TRSITR	-18.0	WLVI	273.0
RPM	15.0	PASCRI	839.0	XLMT	250.0	FSVI	695.0
FSMT	727.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-0.39187271	AIS	-1.2129221	IMT	-2.7425557	XA	46.382845
LNGSTR	0.5457382	BIS	0.9397882	IS	-3.0	XB	15.923165
COLSTR	15.328615	THETAS	14.328615	THTSMR	0.4286159	XC	37.678849
PEDAL	14.186672	THETTR	21.420611	THTSTR	7.9206113	XP	42.275803
XAIR	4.6502245	XBIR	1.5923165	XCIR	3.7673849	XPIR	2.2828339
XBALTR	17.385775	XBALTI	1.7085775	RSTR.	0.0	PSTR	0.0
VXB	168.65840	THETAB	5.7551858	AAZP	5.2914488	QSTR	0.0
VYB	11.338932	PHIR	0.0	AAIP	-5.6766042	RSTR	0.0
VZB	11.769275	BETAWP	5.6524593	BBIP	0.88688574E-1	TITR	0.0
P	0.0	GAML	0.0	AA2L	-4.1955464	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.24368864	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.36765163	MHIIR	0.0
ALPAP	0.82358862	EATX	1.3668772	EAAPX	0.92614568	LMITR	0.0
CMITPP	82.011223	EATZ	1.6464772	EAAPZ	1.0079687	QMITR	0.0
EATM	0.0	EPSAT	0.48662459	SIGAT	0.64459287	XITR	0.0
QAP	37.461283	KQMI	0.87177979	KQVI	0.85168582	YITR	0.0
MUXS	0.23538805	CTSIG	0.87715189E-1	LTDT	3.5894252	ZITR	0.0
MUYS	0.1564145BE-1	CMSIG	-0.47993751E-2	DIDT	24.499898	LITR	0.0
MUZS	2.5672855E-2	CAMSIG	0.49658173E-6	TIR	835.48365	MITR	0.0
LAMSMR	-0.9429713E-2	NZ	0.99869374	MPMR	1143.0445	NITR	0.0
DASAMR	0.1653257 4E-1	VL	0.71529573E-5	RTRBLR	1.0	AXP	2.0879937
XMR	1934.2967	MBAR	-1113.5157	VXBDOT	-0.18266357E-1	AYP	-0.13686899E-1
YMR	-240.92897	JBAR	240.92897	VYBDOT	-2.1500843BE-2	AZP	-32.113993
ZMR	-13631.157	TBAR	13712.190	VZBDOT	-0.75081416E-2	VXP	168.65840
LMR	-4891.5084	LBARM	-2282.7949	PDOT	-0.18776357E-2	VYP	11.338930
MMR	-275.42849	MBARM	-15472.920	QDOT	-0.21556128E-3	VZP	11.869275
NMR	22647.240	NBAR	25267.005	RDOT	0.38398669E-2	RSTR.	0.0
XAP	-494.15152	XT	-24.652875	XTR	0.0	PSIDMG	0.0
YAP	-359.36734	YT	-177.49827	YTR	785.19820	DTR	2.0
ZAP	-144.24275	ZT	452.83404	ZTR	-285.77404	MADD	0.0
LAP	709.45565	LT	-317.63056	LTR	8462.2218	XADD	0.0
MAP	-5716.3296	MT	12857.441	MTR	-8854.2321	YADD	0.0
NAP	-3179.9295	NT	4953.2184	NTR	-24326.758	ZADD	0.0
XMT	-13.414671	XVT	-10.754204	ALFMTT	-4.6349726	MADD	0.0
YMT	-1.9985239	YVT	-175.55777	ALFVTT	3.8438558	LADD	0.0
ZMT	456.47457	ZVT	0.35467990	AABBIP	5.6772969		

WEIGHT	1993[illegible].4	FSCG	3e2.26668	V	128.4	PSITR2	2.2
IX	5823.2	ALCG	231.16228	DELS	-5.2	VXSTR.	2.2
IY	3[illegible]6.4	MMO	4.237866E3E-2	VSOUND	1117.4	VYSTR.	2.2
IZ	37228.[illegible]	TIME	2.2[illegible]2E-1	DELSMR	2.2	VZSTR.	2.2
OMEGMR	21.[illegible]	NOSS	4.4	TRSTMR	-15.2	PSTR.	2.2
OMEGTR	12[illegible]	NSSS	3.2	TRSTTR	-18.2	XLVT	273.2
KFM	13.4	PASCNT	55[illegible]	XLMT	254.2	FSVT	695.2
PSMT	782.[illegible]	SMT	85.2	SVT	32.[illegible]	QSTR.	2.2
LATSTR	-4.[illegible]	AIS	-1.4221863	IMT	-4.3666575	XA	45.163458
LNGSTR	11.[illegible]	BIS	11.196584	IS	-3.2	XB	9.1557558
COLSTR	17.[illegible]	THETA4	17.766586	THTSMR	7.6265862	XC	45.166164
PEDAL	18.[illegible]	THETTR	22.871789	THTSTR	9.3717295	XP	82.232283
XAIM	4.5765449	XMIN	4.91557558	XCIM	4.5166164	XPIM	2.2826882
XBACTR	9.4129528	XBACTI	4.98129528	RSTR.	2.2	PSTR	2.2
VXB	262.[illegible]	THETAB	3.1146615	AA2P	3.1463649	QSTR	2.2
VYB	12.[illegible]	PHIB	4.2	AA1P	-4.9695631	HSTR	2.2
VZB	11.[illegible]	BETAWF	3.3536715	BB1P	-4.381451238-1	TITR	2.2
P	2.2	GAMC	2.2	AA2L	-3.1889128	MITR	2.2
Q	4.4	OMGWAT	1.2	AA1L	2.27866519	JITR	2.2
R	2.2	PSIDOT	2.2	BB1L	2.50822947	MMITR	2.2
ALPHP	4.[illegible]	EXTX	1.4753161	EXMPX	2.91294528	LMITR	2.2
CMITPP	82.[illegible]	EXTZ	1.6031138	EXMPZ	1.2[illegible]2	GMITR	2.2
EXTM	2.4	EPSWT	4.46353671	SIGWT	4.59224621	XITM	2.2
QWP	52.[illegible]	XGMT	4.87177979	RGVT	2.83259869	YITM	2.2
MOXS	4.2797[illegible]2	CTSIG	4.663388598-1	LIDT	3.9736268	ZITM	2.2
MOYS	2.1[illegible]E-1	CM9IG	-4.3[illegible]E-2	DTDT	24.522757	LITM	2.2
MOZS	2.5[illegible]E-3	CAMSIG	2.5[illegible]E-6	TIM	1038.6886	MITR	2.2
LAMBMR	-2.[illegible]E-2	MZ	4.99892242	MPHM	1394.4235	NITR	2.2
DWSMR	2.1[illegible]E-1	VL	4.4	XTRBLK	1.2	AXP	1.7222234
XMM	2[illegible]	MBAR	-1313.4643	VXBODT	-2.24087931E-1	AYP	-4.29969516E-1
YMM	-234.56995	JBAM	284.56996	VYBODT	-2.125897465-1	AZP	-32.142562
ZMM	-15[illegible]	TBAM	15856.983	VZBODT	-2.153[illegible]E-1	VXP	202.48582
LMM	-5[illegible]	LBARM	-3227.7543	PODT	-2.79622823E-2	VYP	12.285364
MMM	-4[illegible]	MBARM	-10946.561	QODT	-2.12529456E-4	VZP	11.218768
NMM	27511.[illegible]	QBAM	28465.268	RODT	4.26418799E-2	RSTR.	2.2
XMF	-12[illegible]	WT	-44.279939	XTM	2.2	PSIDMG	2.2
YMF	-452.[illegible]	YT	-237.65646	YTM	976.12259	BTR	2.2
ZMF	-227.97545	ZT	727.31268	ZTR	-355.27952	MAUD	2.2
LMF	911.76352	LT	-423.94961	LTR	5572.3821	XADD	2.2
MMF	-4918.[illegible]	MT	24665.826	MTR	-11287.743	YADD	2.2
NMF	-4972.1695	NT	6615.8772	NTR	-32243.469	ZADD	2.2
XMT	-31[illegible]	XVT	-17[illegible]	ALFWTT	-5.3926586	WADD	2.2
YMT	-2.[illegible]	YVT	-234.38617	ALFVTT	3.4545221	LADD	2.2
ZMT	727.[illegible]	ZVT	2.36565556	AA991P	6.9696282		

WEIGHT	16450.0	FSCG	360.22300	V	140.0	PSITRZ	0.0
IX	5624.0	RLCG	251.10000	DELS	-5.0	VXSTR.	0.0
IY	39996.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	37220.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.213999	NOSS	4.0	TASTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NOSS	5.0	TASITR	-18.0	RLVI	273.0
KFR	15.0	PASCNT	524.0	RLHT	234.0	FSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	20.73977243	AIS	-1.9099685	IMT	-5.6552485	XA	85.813922
LNGSTR	14.617223	BIS	14.693096	IS	-3.0	XB	0.46917517
COLSTR	14.413943	THETA0	19.413943	TH75MR	9.3339432	XC	55.837146
PEDAL	14.443835	THETTR	25.124558	TH75TR	11.624568	XP	41.672664
XAIR	8.3613922	XBIR	0.46917517E-1	XCIR	5.5837146	XPIR	2.2582653
XBACTP	-0.92630647	XBACTI	-0.92630647E-1	HSTR.	0.0	PSTR	0.0
VXR	236.34101	THETAB	2.6139881	AABP	3.2257583	QSTR	0.0
VYB	14.124404	PHIB	0.0	AAIP	-0.6623431	RSTR	0.0
VZB	12.749892	BETAWP	3.3334875	BBIP	-2.3117042S	TITR	0.0
P	0.0	GAML	0.0	AABL	-6.5747689	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.32362818	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.69611372	MHITR	0.0
ALPWB	0.90888783	EATX	1.5338353	EAWPX	0.89288888	LMITR	0.0
CHITPP	79.333335	EATZ	1.7001666	EAWPZ	1.0100466	UMITR	0.0
EAIR	0.0	EPSWT	0.98333487	SIGWT	0.59869379	XITR	0.0
QWP	76.035243	RGWT	0.87177979	KGVI	0.85266565	YITR	0.0
MUXS	0.32551283	CTSIG	0.69272393E-1	LTDT	0.2732371	ZITR	0.0
MUYS	0.14485571E-1	CHSIG	-0.71364429E-2	OTDT	24.536637	LITR	0.0
MUZS	-0.21995531E-2	CGMSIG	0.51815596E-6	TTR	1535.9478	MITR	0.0
LAMBMR	-0.11536763E-1	NZ	0.99821726	HPMR	1775.4738	NITR	0.0
DWSMMR	0.91529773E-2	VC	0.14305114E-6	KTRBLK	1.0	AXP	1.5863842
XMR	2493.6657	MBAR	-1656.2649	VXBDOT	0.49614984E-1	AYP	0.19577234E-1
YMR	-319.58548	JBAR	319.58548	VYBDOT	0.81883288E-2	AZP	-32.894723
ZMR	-13763.559	TBAR	16073.514	VZBDOT	0.22139915E-1	VXP	236.34101
LMR	-7776.4681	LBARM	-4188.3288	PDOT	0.55233708E-2	VYP	14.124484
MMR	-14575.442	MBARM	-23467.699	QDOT	0.76995873E-2	VZP	12.789548
NMR	33582.913	NBAR	36142.298	RDOT	-0.14891885E-2	RSTR.	0.0
XAR	-1988.4455	XT	-77.512252	XTR	0.0	PSIDMG	0.0
YAR	-6812.53883	YT	-319.21257	YTR	1253.4733	BTR	0.0
ZAR	-515.72784	ZT	1124.1202	ZTR	-456.95580	HADD	0.0
LAR	1212.5227	LT	-364.67784	LTR	7187.1211	XADD	0.0
MAR	-5405.6569	MT	31654.937	MTR	-14158.213	YADD	0.0
NAR	-5316.5971	NT	8987.8148	NTR	-35898.747	ZADD	0.0
XMT	-53.747442	XVT	-25.514509	ALPHTT	-6.2965649	HADD	0.0
YMT	-3.9535883	YVT	-319.28792	RLPVTT	3.3977268	LADD	0.0
ZMT	1123.8468	ZVT	0.27142167	AABBIP	5.6579494		

WEIGHT	16452.0	FSCG	360.20000	V	150.0	PSITR2	0.0
IX	5629.3	XLCG	251.10000	DELS	-5.0	VXSTR.	0.0
IY	39996.0	RHO	0.23760000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	37226.4	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.013999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTH	124.62000	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	2838.0	XLMT	234.0	PSVT	695.0
FSM	700.40000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LAT..K	-1.21695E4	AIS	-2.2362284	IMT	-5.9738625	XA	42.394147
LNGSTK	14.149999	BIS	14.452325	IS	-3.0	XB	0.0
COLSTK	20.375960	THETA0	20.375960	TH75MR	10.295960	XC	61.849755
PEQAL	14.599221	THETTR	20.474374	TH75TH	12.974374	XP	41.131011
XBIN	0.2394146	XBIN	0.0	XCIN	0.1849755	XPIN	2.2210168
XBALTP	-2.5643128	XBACTI	-0.25643128	HSTH.	0.0	PSTH	0.0
VXB	253.40028	THETAB	1.4773155	AA0P	3.3588818	QSTH	0.0
VYB	14.600918	PHIB	0.0	AA1P	-0.2157778	RSTH	0.0
VZB	6.5354640	BETAWP	3.2245664	BB1P	-0.40888388	TITH	0.0
P	0.0	GAMC	0.0	AA0L	-7.4054654	HITH	0.0
Q	0.0	OMGMAT	1.0	AA1L	0.35227622	JITH	0.0
R	0.0	PSIDOT	0.0	BB1L	0.69798540	MMITR	0.0
ALFWF	0.24008750E-1	EKTX	1.5286408	EKWFX	0.80708196	LMITR	0.0
CMITPP	78.823654	EATZ	1.7193591	EKWFZ	1.0111743	QMITR	0.0
EATH	0.0	EPSWT	0.40224566	SIGWT	0.56752371	XITH	0.0
QWF	80.047613	KGMT	0.87177979	KQVT	0.83318873	YITH	0.0
MUXS	0.34458899	CTSIG	0.71559172E-1	CTOT	2.5330423	ZITH	0.0
MUYS	0.20151716E-1	CMSIG	-0.64942716E-2	DTOT	29.232115	LITH	0.0
MUZS	-0.72910943E-2	CGMSIG	0.53953969E-6	TTR	1505.2819	MITH	0.0
LAMBMR	-0.1426561/E-1	NZ	1.0013401	MPMR	2004.9661	NITH	0.0
OWSMMR	0.8794751E-2	VC	0.35762786E-5	KTRBLK	1.0	AXP	0.43562398
XMR	2573.5726	MBAR	-1506.8884	VXBDOT	-0.15019281E-1	AYP	0.74062321E-1
YMR	-356.54745	JBAR	356.54745	VYBDOT	0.44338694E-1	AZP	-31.541798
ZMR	-16501.216	TBAR	16604.123	VZBDOT	-0.55772972E-1	VXP	253.40028
LMR	-8044.3245	LBARM	-4522.8175	PDOT	0.23911131E-1	VYP	14.600918
MMR	-7401.2022	MBARM	-2160.687	QDOT	0.26742863	VZP	6.5354640
NMR	39422.024	QBAR	40811.672	RDOT	0.36045159E-2	RSTR.	0.0
XWF	-1404.5096	XT	-73.299666	XTR	0.0	PSIDMG	0.0
YWF	-670.22963	YT	-356.04888	YTR	1414.6074	DTH	2.0
ZWF	-187.40321	ZT	1544.5410	ZTR	-514.87601	MADD	0.0
LWF	1559.1462	LT	-636.80962	LTR	8675.5704	XADD	0.0
MWF	-9122.9668	MT	43772.880	MTR	-15952.575	YADD	0.0
NWF	-5998.5958	NT	9991.8663	NTR	-43629.254	ZADD	0.0
XMT	-45.622949	XVT	-27.676718	ALFMTT	-7.5986131	NADD	0.0
YMT	-5.1167345	YVT	-352.93215	ALFVTT	3.2762203	LADD	0.0
ZMT	1543.7559	ZVT	0.78508551	AABB1F	8.2259461		

WEIGHT	16450.0	FSCG	360.20000	V	150.0	PSITR2	0.0
IX	5629.0	WLCG	251.10000	DELS	-5.0	VXSTR.	0.0
IY	39996.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	37226.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.013999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSITR	-18.0	WLVT	273.0
RFR	15.0	PASCNT	3524.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-1.4429172	AIS	-2.4751901	IHT	-8.0	XA	42.980892
LNGSTR	14.149999	BIS	15.799999	IS	-3.0	XB	0.0
COLSTR	20.526920	THETA0	20.526920	THTSMR	10.426923	XC	52.668254
PEQAL	7.7457370	THETTR	19.779041	THTSTR	0.2790415	XP	54.127645
XAIN	4.0984892	XBIN	0.0	XCIN	6.2568254	XPIV	3.2468111
XBACTP	-2.1.12010	XBACTI	-0.01012616	RSTR.	0.0	PSTR	0.0
VXB	253.20854	THETAB	2.6740756	AAZF	3.3631061	QSTR	0.0
VYB	0.0	PHIB	-3.6700091	AAIF	-9.7505700	RSTR	0.0
VZB	11.826510	BETAWF	0.0	BBIF	-0.25662853	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-7.5713495	HITR	0.0
Q	0.0	DHGRAT	1.0	AAIL	0.38154542	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.85784506	MMITR	0.0
ALPWF	1.1853978	EKTX	1.5121666	EKWFX	0.88333333	LMITR	0.0
CHITPP	76.486967	EKTZ	1.7276353	EKWFZ	1.0105153	QMITR	0.0
EKTH	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	73.697087	KUMT	0.87177979	KUVT	0.84852813	YITR	0.0
MUXS	0.34932684	CTSIG	0.71410397E-1	LTOT	3.1348158	ZITR	0.0
MUYS	0.0	CMSIG	-0.81625965E-2	DTOT	23.935769	LITR	0.0
MUZS	-0.19692871E-2	COMSIG	0.54021824E-6	TTR	1504.0981	MITR	0.0
LAMBMR	-0.10780106E-1	NZ	0.99615561	HPMR	2041.5954	NITR	0.0
DWSMMR	0.87988198E-2	VC	1.4812317	KTRBLK	1.0	AXP	1.1887983
XMR	2750.5097	MBAR	-1893.9956	VXBDOT	0.15291701E-1	AYP	1.9402344
YMR	-383.27141	JBAR	383.27141	VYBDOT	-0.74830825E-1	AZP	-31.471220
ZMR	-16448.548	TBAR	16571.458	VZBDOT	0.20443894E-1	VXP	253.20854
LMR	-8001.2220	LBARM	-3969.0881	PDOT	-0.37997759E-1	VYP	0.0
MMR	-14239.024	MBARM	-26183.517	QDOT	0.23936389	VZP	11.826510
NMR	40718.998	NBAR	41557.272	RDOT	-0.44977920E-2	RSTR.	0.0
XWF	-1902.0141	XI	-119.50514	XIR	0.0	PSIDMG	0.0
YWF	0.0	YI	-100.39442	YIR	1513.4874	DTR	0.0
ZWF	-289.56536	ZI	1674.2927	ZIR	-514.46836	MADD	0.0
LWF	0.0	LI	-194.53481	LIR	8089.1767	XADD	0.0
MWF	-7656.3658	MI	47399.750	MIR	-15939.944	YADD	0.0
NWF	0.0	NI	2973.9843	NIR	-43794.553	ZADD	0.0
XMT	-87.529534	XVT	-51.975027	ALFMTI	-8.2958316	NADD	0.0
YMT	0.0	YVT	-100.39442	ALFVTI	0.0	LADD	0.0
ZMT	1674.1276	ZVT	0.10509254	AABBIF	9.7554408		

WEIGHT	16937.0	FSCG	300.20000	V	1.0E-2	PSITRE	0.0
IX	5629.4	WLCG	251.17000	DELS	-5.0	VXSTR,	0.0
IY	39996.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR,	0.0
IZ	37665.4	TIME	0.20000000E-1	DELSMM	0.0	VZSTR,	0.0
OMEGMM	27.914999	NOSS	4.0	THSTMM	-18.0	PSTR,	0.0
OMEGTR	124.64006	NSSS	5.0	THSITH	-18.0	WLVT	273.0
KFR	15.0	PASCNT	965.0	WLMT	234.0	PSVT	895.0
FSMT	700.00000	SMT	45.0	SVT	32.300000	QSTR,	0.0
LATSTR	49.15915020	AIS	-0.90784000	IMT	27.291733	XA	49.005311
LNGSTR	0.7669341	BIS	2.1156757	IS	-3.0	XB	35.079681
COLSTR	17.670979	THETAB	17.670979	TH75MM	7.5989743	XL	44.993590
PEDAL	22.456527	THETTH	31.095297	TH75TH	17.595297	XP	19.348724
XAIN	0.90253110	XBIN	3.3079881	XCIN	0.4993590	XPIN	1.0000039
XBALTP	39.945639	XBACTI	3.9986839	RSTR,	0.0	PSTR	0.0
VXB	0.16627120E-1	THETAB	5.2019958	AAOP	3.2894345	QSTR	0.0
VYB	0.0	PHIB	-2.7172532	AAIP	-2.2552748	RSTR	0.0
VZB	0.15557353E-2	BETAWF	0.0	BBIP	-1.0056428	TITR	0.0
P	0.0	GAML	0.0	AAOL	-5.6143962	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.98825865E-2	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.14244419	MHITR	0.0
ALFAP	-9.0000780	ERTX	-0.24966834	ERMFX	0.79995393E-5	LMITR	0.0
CMIPP	-2.2250759	ERTZ,	0.20085270	ERMFZ	0.11099360E-3	QMITR	0.0
ERTR	0.0	EPSMT	0.44999999	SIGMT	0.0	XITR	0.0
QMF	0.35065940E-6	KUMT	0.87177979	KUVT	0.84852813	YITR	0.0
MUXS	0.23294822E-4	CISIG	0.65739276E-1	LTDT	-11.509086	ZITR	0.0
MUYS	0.0	CMSIG	-0.27733146E-2	UTOT	24.784326	LITR	0.0
MUZS	0.9681312UE-6	CWBIG	0.52038753E-6	TTH	1052.0428	MITH	0.0
LAMBMM	-0.55500540E-1	NZ	0.99450901	HPMM	1535.4303	NITH	0.0
DRBMMR	0.55564764E-1	VC	0.11053023E-3	RTHBLK	0.79599999	AXP	2.9737894
XMM	1441.7441	MBAM	-644.43386	VXBDOT	0.12615914E-1	AYP	1.5520523
YMM	-233.99700	JBAM	233.99700	VYBDOT	0.54033865E-1	AZP	-31.997351
ZMM	-15147.597	TBAM	15253.712	VZBDOT	-0.17006564E-3	VXP	0.16827120E-1
LMM	-5645.6180	LBAMM	-2705.2652	PDOT	-0.24436977E-3	VYP	0.0
MMM	10456.366	MBAMM	-6250.2557	QDOT	0.34140758E-4	VZP	0.15557353E-2
NMM	30036.911	NBAM	31213.424	RDOT	0.11260104E-3	RSTR,	0.0
XMF	-0.0113706535E-5	XT	3.6076249	XTH	0.0	PSIDMG	0.0
YMF	0.0	YT	-0.47444258E-6	YTH	988.67036	BTH	2.0
ZMF	0.5467499SE-5	ZT	5.6128711	ZTH	-359.64726	MADD	0.0
LMF	0.0	LT	-0.86585769E-6	LTH	5644.0250	XADD	0.0
MMF	-0.14451093E-3	MT	164.26576	MTH	-11149.268	YADD	0.0
NMF	0.0	NT	0.15236947E-4	NTH	-30632.303	ZADD	0.0
XMT	3.6075256	XVT	-0.11062793E-6	ALFMTT	-11.565646	NADD	0.0
YMT	0.0	YVT	-0.47444258E-6	ALFVTT	0.0	LADD	0.0
ZMT	5.6126711	ZVT	0.89299813E-7	AABBIP	2.4693278		

WEIGHT	16452.0	FSCG	360.20000	V	40.0	PSITR2	0.0
IX	5629.0	RLCG	251.10300	DELS	-5.0	VXSTR.	0.0
IY	59995.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	57225.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NOSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	124.92000	NSSS	5.0	TWSTTR	-10.0	RLVT	273.0
KFR	15.0	PASCNT	861.0	RLMT	238.0	PSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.500000	QSTR.	0.0
LATSTR	-1.5998925	A1S	-1.9331470	IMT	20.600257	XA	41.506922
LNGSTR	0.70000472	B1S	3.4658676	IS	-5.0	XB	53.592058
COLSTR	16.055287	THETA0	16.055287	THTSMR	5.9752877	XC	34.845549
PEQAL	15.922117	THETTR	22.512462	THTSTR	8.8124628	XP	38.295304
XAIN	0.15276922	XBIN	3.3392058	XCIN	3.4845548	XPIN	2.0670926
XBACTP	39.705254	XBALTI	3.9705254	RSTR.	0.0	PSTR	0.0
VX0	67.457605	THETAB	3.7189364	AA0P	3.1779836	QSTR	0.0
VY0	0.0	PHI0	-1.5755422	AA1P	-2.1669987	RSTR	0.0
VZ0	4.3849944	BETAMP	0.0	BB1P	-0.57848507E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-3.9897695	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.17702203	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.93903679E-1	MHITR	0.0
ALPHP	-11.718643	ERIX	1.1667576	ERMPX	0.79902959	LMITR	0.0
CHITPP	78.622073	ERIZ	2.0471782	ERMPZ	1.0191791	QMITR	0.0
ERTH	0.0	EPSMT	0.44999999	SIGMT	0.0	XITR	0.0
QMP	0.8581255	KGMT	0.87177979	KGVT	0.84852813	YITR	0.0
MUXS	0.93733629E-1	CTSIG	0.67045795E-1	LTOT	-17.125224	ZITR	0.0
MUYS	0.0	CMSIG	-0.18135849E-2	DTOT	25.891920	LITR	0.0
MUZS	0.11701952E-2	CQMSIG	0.51048189E-6	TIR	753.16864	MITR	0.0
LAMBMR	-0.26527658E-1	NZ	0.99759151	MPMR	1099.8931	NITR	0.0
OMSMMR	0.29699403E-1	VC	0.90019508E-1	KTRBLK	1.0	AXP	2.0938748
XMR	1634.5620	MBAR	-420.81241	VXBOOT	0.84303659E-2	AYP	0.74567918
YMR	-312.07112	JBAR	312.07112	VYBOOT	0.28990786E-1	AZP	-32.894582
ZMR	-15516.517	TBAR	15556.869	VZBOOT	-0.20230166E-2	VXP	67.457605
LMR	-4024.7051	LBARM	-1106.5454	PBOOT	0.85856365E-3	VYP	0.0
MMR	15096.267	MBARM	-5825.9296	QBOOT	0.63204447E-3	VZP	4.3849944
NMR	21778.585	NBAR	22388.648	RBOOT	0.16542086E-2	RSTR.	0.0
XWP	-194.43827	XI	-21.439460	XIR	0.0	PSIDMG	0.0
YWP	0.0	YI	-7.3839538	YIR	707.79963	BIR	2.0
ZWP	195.75456	ZI	-24.186270	ZIR	-257.61849	MADD	0.0
LWP	0.0	LI	-13.848715	LIR	4040.6161	XADD	0.0
MWP	-4322.4219	MI	-766.70634	MIR	-7981.8797	YADD	0.0
NWP	0.0	NI	211.54230	NIR	-21929.991	ZADD	0.0
XMT	-19.567754	XVT	-2.0517255	ALPHTT	0.99644804	NADD	0.0
YMT	0.0	YVT	-7.3839538	ALPVTT	0.0	LADD	0.0
ZMT	-27.159463	ZVI	0.98319264	AABB1P	2.1697700		

WEIGHT	19902.7	PSCG	347.2	V	60.0	PSITR2	0.0
IX	4e6m.e	RLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41597.2	RHO	2.1750222E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	5n2e4.2	TIME	2.e0000000E-1	DELSMR	0.0	VZSTR.	0.0
DMEGMR	27.219999	NMSS	4.0	THSTMR	-10.0	PSTR.	0.0
DMEGTR	1e4.nn4e0	NSSS	5.0	THSITR	-10.0	RLVI	273.0
CFR	15.0	PASCNT	1047.0	RLMT	250.0	PSVI	695.0
FSMT	7ve.44ve3	SMT	45.0	SVT	32.300000	QSTR.	0.0
.ATSTR	-0.951R4725	AIS	-1.0029065	IMT	23.249508	XA	44.250958
.AGSTR	2.6e0le4e	HIS	1.5564009	IS	-5.0	XB	40.715396
CULSTR	19.111993	THETAR	19.111043	TH7SMR	9.0316430	XC	53.947770
PEDAL	1e.e15l4e	THETIR	20.571673	TH7STR	15.071673	XP	51.110027
CAIR	0.0E57453	XBIN	0.2713396	XCIN	5.3407709	XPIN	1.0799489
CBALTR	45.4e/493	XHALTI	4.3927984	RSTR.	0.0	PSTR	0.0
/XB	191.34543	THETAB	-0.59501154	AA0R	0.2224658	QSTR	0.0
/YB	15.56o1e3	PHIB	0.0	AA1R	2.2515129	RSTR	0.0
/ZB	-1.e5e4[4e	BETAWR	0.1526822	BB1R	0.10412794	TITR	0.0
P	0.0	GAML	0.0	AA2L	-5.0299208	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.12522328	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.26036830	MMIIR	0.0
ALPHA	-11.51e3a7	ERTX	1.1e76329	ERMRX	0.85382940	LMITR	0.0
THITHR	75.0ree/4	ERTZ	2.1766454	ERMRZ	1.0141973	GMITR	0.0
EATM	0.0	EPSRT	0.5115e042	SIGRT	1.0229276	XITR	0.0
DMR	13.0re3e4	RGMI	0.87177979	RGVI	2.79906500	YITR	0.0
4UX3	0.1393/1n7	CISIG	0.11151e61	CIDI	-14.0e0305	ZITR	0.0
4UY3	0.1543/39.E-1	CMSIG	0.52484672E-2	DIDI	27.532203	LITR	0.0
4UZ3	-0.0/-9e219E-2	CGMSIG	0.9216555EE-6	TTR	936.96536	MITR	0.0
.AMBRR	-0.-1e93653E-1	NZ	0.99990986	RPMR	1375.3577	NITR	2.0
DBSMRR	0.3e3e63/3E-1	VL	0.1700159JE-5	RIRBLR	1.0	AXP	-0.53314698
CRR	161.0e3ee	MBAR	896.19882	VXBDOT	0.15145646E-3	AYP	-0.595236666E-2
VRR	-579.31793	BEAR	579.31793	VYBDOT	-0.5e914894E-2	AZP	-52.172057
IRR	-1965'.e13	IBAR	19041.485	VZBDOT	-0.21974851E-2	VXP	101.38393
.RR	-5765.4161	LBARR	-784.22792	PDOT	-0.15366353E-2	VYP	15.366123
IRR	1556e.777	MBARR	6364.6936	QDOT	-0.51161215E-3	VZP	-1.0529066
IRR	27eee.51e	NBAR	27945.869	RUDT	-0.53533728E-3	RSTR.	0.0
IRF	-3/3.1/161	XI	9.4424821	XTR	2.0	PSIDMG	0.0
IRF	-eee5.3354e1	YI	-0e.6406e3	YTR	800.52465	BTR	2.0
IRF	265.4e0e7	ZI	2n.59e782	ZTR	-320.48545	MADD	0.0
.RF	494.00n54	LI	-176.ee645	LTR	5370.8627	XADD	0.0
IRF	-3459.5747	MI	845.07931	MTR	-10262.241	YADD	0.0
IRF	-1729./137	NI	e540.6059	NTR	-e0250.17e	ZADD	0.0
MI	5.eeee-n1	XVI	1.e196760	ALPHTI	-0.65945266	NADD	0.0
MI	-1.ee5-e94	YVI	-79.471514	BETVTI	0.1207066	LADD	0.0
MI	29.e4e4e7	ZVI	-e.45166415	AABB1R	2.e087314		

EIGHT	19982.7	PSCG	347.0	P	80.0	PSITRZ	0.0
X	6600.0	ALCG	246.29999	DELS	-5.0	VXSTR.	0.0
Y	41567.0	RHO	0.175P8E2PE-2	VSOUND	1077.0	VYSTR.	0.0
Z	30224.0	TIME	0.2000P90E-1	DELSMH	0.0	VZSTR.	0.0
IMEGMR	27.619999	NMSS	4.0	TWSTMH	-10.0	PSTR.	0.0
IMEGTH	124.6000	NSSS	5.0	TWSITH	-10.0	RLVT	273.0
FR	15.0	PASCNT	1133.0	XLMT	234.0	PSVT	695.0
SMT	700.0	SMT	45.0	SVT	32.500000	QSTR.	0.0
AISTR	-0.91929929	AIS	-1.0098781	IMT	11.251416	XA	44.255658
NGSTR	4.0244669	BIS	3.0427660	IS	-3.0	XB	35.072554
OLSTR	19.128520	THETA0	19.128520	TM75MH	9.0485208	XC	54.052086
EUAL	10.476215	THETTH	26.848260	TM75TH	13.540260	XH	35.944813
AIN	4.0255838	XPIN	3.5072558	XCIN	5.4252086	XPIN	1.9409262
DALTP	37.0	XDALTI	5.7006956	PSTH.	0.0	PSTR	0.0
XB	135.19585	THETAB	-2.11521810	AA0P	4.1964279	QSTR	0.0
YB	11.005457	PHIB	0.0	AA1P	1.1213078	RSTR	0.0
ZB	-0.27184675	BETAWP	4.4136710	BB1P	0.26238413	TITR	0.0
	0.0	GAML	0.0	AA0L	-4.8593529	HITR	0.0
	0.0	OMGFAT	1.0	AA1L	0.17135486	JITR	0.0
	0.0	PSIDOT	0.0	BB1L	-0.18569161	MMIIR	0.0
LPWP	-7.0875978	ERTX	1.2437349	ERWPX	0.90467765	LMITR	0.0
MITPP	80.354655	ERTZ	1.9312140	ERWPZ	1.0096401	UMIIR	0.0
RTW	0.0	EPSRT	0.4941367E	SIGMT	0.77000012	XITR	0.0
WP	20.579776	RUMT	0.87177979	KQVI	0.62746034	YITR	0.0
UXS	0.10922198	CTSIG	0.1122E+09	LTOT	-0.3100004	ZITR	0.0
UYS	0.1626127E-1	CMSIG	0.34612781E-2	QIQI	25.000022	LITR	0.0
UZS	-0.1213E523E-1	CGMSIG	0.91597212E-0	TTR	920.00049	MITR	0.0
AMGMH	-0.3557E466E-1	WZ	1.0000794	MPMH	1324.2941	NITR	0.0
RSMPR	0.2526519EE-1	VC	0.4473485E-0	KTMBLK	1.0	AXP	-0.53651421E-1
WR	41.0179	MBAR	591.05517	VXBOOT	0.10536186E-1	AYP	0.29604851E-2
WR	-523.05022	JBAR	523.05020	VYBOOT	-0.1774749ZE-2	AZP	-32.170005
WR	-19169.300	TBAR	19166.390	VZBOOT	-0.35439591E-2	VXP	135.19585
WR	-5513.2182	LBARM	-979.72681	POOT	0.12001001E-2	VYP	11.003057
WR	16450.201	MBARM	3E59.1422	QOOT	-0.12116305E-3	VZP	-0.27184676
WR	20002.321	QBAR	20950.398	ROOT	-0.00540703E-3	RSTR.	0.0
WF	-470.17000	XT	33.781445	XTR	0.0	PSIDMG	0.0
WF	6230.93000	YT	-103.31019	YTR	000.03030	OTR	0.0
WF	190.16429	ZT	200.50944	ZTR	-314.70322	MADD	0.0
WF	466.35166	LT	-225.49591	LTM	5261.0107	XADD	0.0
WF	-6513.4659	MT	5950.9672	MTR	-10096.720	YADD	0.0
WF	-1007.6079	NT	2990.7755	NTM	-27742.479	ZADD	0.0
WT	50.029905	XVT	-2.0464622	ALFMTT	-3.4040125	NADD	0.0
WT	-1.3588753	YVT	-101.90700	ALFVTT	3.2930921	LADD	0.0
WT	199.04449	ZVT	0.74494942	AABB1P	1.1515974		

TIGHT	19900.0	FSCG	347.0	V	100.0	PSITRE	0.0
	9260.0	RLLG	246.29999	DELS	-5.0	VXSTR.	0.0
	41587.0	RHO	3.1750000E-2	VSOUND	1077.0	VYSTR.	0.0
	30224.0	TIME	4.2000000E-1	DELSMR	0.0	VZSTR.	0.0
TEGMR	27.619999	NGSS	4.0	TWSIMR	-19.0	PSTR.	0.0
TEGTR	124.62200	NSSS	5.0	TWSITR	-18.0	RLVT	273.0
R	15.0	PRSCRT	1200.0	RLMT	230.0	PSVT	695.0
MT	700.00000	SMT	45.0	SVT	32.300000	USTR.	0.0
TSTR	-1.0540129	AIS	-2.0001445	IMT	2.3351569	XA	43.412419
GSTR	6.4916870	BIS	6.6039118	IS	-5.0	XB	25.402517
LSTR	19.965743	THETAB	19.965743	THTSMR	9.5057437	XC	57.410899
UAL	16.224200	THETTR	27.247118	THTSTR	15.747118	XP	36.626119
IN	8.3412818	XCIR	2.5402517	XCIN	5.7410898	XPIN	1.9777590
ACTP	25.271101	XBALTI	2.6271161	RSTR.	0.0	PSTR	0.0
E	108.95892	THETAB	0.91201639	AAMP	4.2035015	USTR	0.0
B	12.237647	PHIB	0.0	AAIP	-0.68216248	RSTR	0.0
B	2.8921556	BETAMP	3.8184485	BBIP	0.24792026	TITR	0.0
	0.0	GAML	0.0	AA0L	-5.3807969	HITR	0.0
	0.0	CHGRAT	1.0	BBIL	0.23774978	JITR	0.0
	0.0	PSIOUT	0.0	BB1L	-0.71092743E-1	MMITR	0.0
PMF	-3.8716676	ERTX	1.1854304	ERMPX	0.92044890	LMITR	0.0
ITPP	82.188376	ERTZ	1.8881750	ERMPZ	1.0078116	QMITR	0.0
TR	0.0	EPSWT	0.46818448	SIGWT	0.67204698	XITR	0.0
P	29.517568	RGMT	0.87177979	RGVT	0.85053271	YITR	0.0
XS	0.2329697	CISIG	0.11349330	LTOI	-2.1101660	ZITR	0.0
YS	6.1687496E-1	CPSIG	0.35178766E-3	DTOI	24.343689	LITR	0.0
ZS	-0.8449867252E-2	CGMSIG	0.91751612E-6	TIR	1020.4126	MITR	0.0
TOMR	-0.2911549E-1	NZ	0.99977584	MPMR	1456.2287	NITR	0.0
SMMR	0.2268587772E-1	VL	0.35762786E-5	KIRBLR	1.0	AXP	0.51048658
R	959.24155	MBAR	60.069974	VXBODI	-0.35892449E-2	AYP	0.17652251E-2
R	-531.36194	JBAR	531.36194	VYBODI	0.51458935E-3	AZP	-32.169573
R	-19354.781	IBAR	19379.781	VZDODI	-0.60821778E-3	VXP	168.95892
R	-5124.5154	LBARM	-1403.8005	PDOT	-0.27110501E-4	VYP	1.237027
R	2422.2561	MBARM	-1657.0695	QDOT	-0.77405630E-3	VZP	2.6921558
R	29257.992	NBAR	29641.962	RDOT	-0.56275100E-3	RBTR.	0.0
F	-694.84655	XI	42.345355	XTR	0.0	PSIDMG	0.0
F	-295.27598	YI	-134.51956	YTR	966.46366	BTR	2.0
F	169.69259	ZI	513.13250	ZIR	-551.76469	MAUD	0.0
F	524.55494	LI	-303.22637	LTR	5903.8372	XADD	0.0
F	-6344.0074	MI	15177.425	MIR	-11285.783	YADD	0.0
F	-2511.5134	NI	4087.0649	NIR	-31007.375	ZADD	0.0
F	49.358770	XVI	-7.0054230	ALFMTI	-6.5502275	NADD	0.0
F	-2.2139E-1	YVI	-137.34274	ALFVTI	4.1794550	LADD	0.0
F	512.03715	ZVI	1.0951737	AABBIP	0.72581685		

WEIGHT	19900.0	FSCG	347.0	V	120.0	PSITRZ	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1426.0	WLMT	234.0	FSVT	695.0
FSMT	788.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.4515748	AIS	-2.5180297	IMT	1.0004000	XA	48.927662
LNGSTK	0.7152465	BIS	0.2158732	IS	-3.0	XB	19.284875
COLSTK	28.833939	THETAB	28.833939	THTSMR	10.753939	XC	64.712119
PEVAL	17.947529	THETTR	38.372256	THTSTR	16.872256	XP	31.848719
XAIN	4.8927662	XBIN	1.9284875	XCIN	6.4712119	XPIN	1.7197861
XBACTP	18.199871	XBACTI	1.8199871	RSTR.	0.0	PSTR	0.0
VXB	282.79878	THETAB	-0.17211994	AABF	4.1757897	QSTR	0.0
VYB	13.033174	PHIB	0.0	AAIF	-0.64485518	RSTR	0.0
VZB	-0.68915195	BETAWF	3.4678881	BBIF	0.24858512	TITR	0.0
P	0.0	GAMC	0.0	AABL	-6.9727783	HITR	0.0
Q	0.0	OMGRAT	1.0	AAIL	0.33989228	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	-0.12796733	MHITR	0.0
ALFWF	-3.5298874	EKTX	1.1534915	EKWFX	0.93457266	LMITR	0.0
CHITPP	82.659437	EKTZ	1.7967266	EKWFZ	1.8873485	QMITR	0.0
EKTR	0.0	EPSWT	0.48467888	SIGWT	0.61833284	XITR	0.0
QWF	48.563635	KQWT	0.87177979	KQVT	0.83202818	YITR	0.0
MUXS	0.27928284	CTSIG	0.11394292	LTOT	-1.8478887	ZITR	0.0
MUYS	0.17978117E-1	CWSIG	0.95150758E-3	DTOT	24.273559	LITR	0.0
MUZS	-0.15478649E-1	CQWSIG	0.91144987E-6	TTR	1329.8872	MITR	0.0
LAMBMR	-0.32771971E-1	NZ	0.99998516	HPMR	1873.8374	NITR	0.0
DWSMMR	0.17293321E-1	VC	0.13411845E-9	KTRBLK	1.0	AXP	-0.11447895
XMR	856.88186	MBAR	162.47593	VXBDOT	-0.15454646E-1	AYP	0.36919889E-2
YMR	-696.58584	JBAR	696.58584	VYBDOT	0.26948098E-2	AZP	-32.168562
ZMR	-19436.883	TBAR	19436.476	VZBDOT	-0.99792168E-3	VXP	282.79878
LMR	-7886.8428	LBARM	-1739.7143	PDOT	-0.48892443E-3	VYP	13.033174
MMR	3217.4678	MBARM	-1467.5361	QDOT	0.14413378E-2	VZP	-0.68915195
NMR	37645.441	QBAR	38142.518	RDOT	-0.53617964E-3	RSTR.	0.0
XWF	-957.68477	XT	35.184295	XTR	0.0	PSIDMG	0.0
YWF	-368.44471	YT	-183.19337	YTR	1249.7781	BTR	2.0
ZWF	134.18866	ZT	669.78173	ZTR	-454.88293	MADD	0.0
LWF	649.78883	LT	-399.38585	LTR	7634.5286	XADD	0.0
MWF	-8362.8562	MT	19798.698	MTR	-14594.168	YADD	0.0
NWF	-2881.5333	NT	5313.7578	NTR	-40897.848	ZADD	0.0
XMT	46.897896	XVT	-11.792888	ALFMTT	-6.4889887	NADD	0.0
YMT	-2.5530659	YVT	-189.63978	ALFVTT	3.6848726	LADD	0.0
ZMT	668.24857	ZVT	1.5331625	AABBIF	0.69836341		

WEIGHT	19900.0	FSCG	347.0	V	148.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.819999	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	5335.0	WLMT	230.0	FSVT	695.0
FSMT	700.40000	BMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-5.8947994	A1B	-7.3700114	IMT	-2.5845345	XA	13.157583
LNGSTK	14.149999	B1B	11.596751	IS	-5.0	XB	0.0
COLSTK	24.000271	THETAB	24.000271	THTSMR	14.720271	XC	89.551699
PEDAL	29.436000	THETTR	37.5	THTSTR	24.0	XP	0.0
XAIN	1.3157583	XBIN	0.0	XCIN	0.9551699	XPIN	0.0
XBACTP	-2.9952616	XBACTI	-0.29952616	RSTR.	0.0	PSTR	0.0
VXB	236.50860	THETAB	-1.5777764	AAQF	4.1633789	QSTR	0.0
VYB	-30.893748	PHIB	-7.2998511	AA1F	-1.4350980	RSTR	0.0
VZB	-6.5145848	BETAWF	-7.1339482	BB1F	0.22234586	TITR	0.0
P	0.0	GAMC	0.0	AABL	-13.668769	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.79183796	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.85519365E-1	MMITR	0.0
ALFWF	-4.8327625	EKTX	1.2669898	EKWFX	0.91812247	LMITR	0.0
CHITPP	81.394838	EKTZ	1.0845243	EKWFZ	1.0886859	QMITR	0.0
EKTR	0.0	EPSWT	0.39146588	SIGWT	-1.1449599	XITR	0.0
QWF	54.217793	KQWT	0.87177979	KQVT	0.84474472	YITR	0.0
MUXB	0.32528982	CTBIB	0.11498868	LTOT	-0.59918822	ZITR	0.0
MUYB	-0.42615195E-1	CMBIB	0.23118274E-2	DTOT	85.860128	LITR	0.0
MUZB	-0.26846417E-1	CQMBIB	0.98875864E-6	TTR	2355.2785	MITR	0.0
LAMBMR	-0.48980982E-1	NZ	0.99247831	MPMH	3617.7676	NITR	0.0
DWBMMR	0.14856484E-1	VC	-238.68807	KTRBLK	1.0	AXP	-1.1789218
XMR	632.74963	MBAR	394.62258	VXBDOT	-0.37555442E-1	AYP	4.8836748
YMR	-1148.1564	JBAR	1148.1564	VYBDOT	0.34438867E-2	AZP	-31.842948
ZMR	-19612.246	TBAR	19628.806	VZBDOT	-0.34134608E-1	VXP	236.50860
LMR	-12303.712	LBARM	-1679.3844	PDOT	-0.53451599E-3	VYP	-30.893748
MMR	3864.4991	MBARM	-3841.3492	QDOT	0.13654178	VZP	-6.5145848
NMR	72867.638	QBAR	73648.719	RDOT	0.13637886E-2	RSTR.	0.0
XWF	-1277.2857	XT	96.683241	XTR	0.0	PSIDMG	0.0
YWF	1841.2981	YT	319.07498	YTR	2213.6824	QTR	2.0
ZWF	128.47184	ZT	1352.9633	ZTR	-885.61418	MADD	0.0
LWF	-1822.6229	LT	678.87369	LTR	13521.812	XADD	0.0
MWF	-11472.569	MT	39933.217	MTR	-25846.787	YADD	0.0
NWF	7474.8897	NT	-9275.8585	NTR	-71813.328	ZADD	0.0
XMT	93.348147	XVT	3.3358944	ALFMTT	-9.7356432	NADD	0.0
YMT	9.9781473	YVT	389.78473	ALFVTT	-7.4874788	LADD	0.0
ZMT	1353.3817	ZVT	-0.41842682	AABB1F	1.4522283		

WEIGHT	19980.0	FSCG	347.0	V	148.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.819999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	6300.0	WLMT	234.0	FSVT	895.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-2.7937871	A1B	-4.1247063	IMT	1.3654796	XA	32.538838
LNGSTK	13.317537	B1B	18.356337	IB	-3.0	XB	2.9415645
COLSTK	23.481544	THETAB	23.481544	THTSMR	13.321544	XC	80.759654
PEDAL	29.436000	THETTR	37.5	THTSTR	24.0	XP	0.0
XAIN	3.2338838	XBIN	0.29419844	XCIN	0.8759654	XPIN	0.0
XBACTP	-0.27401334	XBACTI	-0.27401334E-1	RSTR.	0.0	PSTR	0.0
VXB	236.43833	THETAB	-2.1046332	AABF	4.1463573	QSTR	0.0
VYB	14.681174	PHIB	0.0	AA1F	-0.36072528E-2	RSTR	0.0
VZB	-0.9369413	BETAWF	3.3951368	BB1F	0.23819871	TITR	0.0
P	0.0	GAMC	0.0	AABL	-11.840839	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.54515592	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.27588845	MMITR	0.0
ALFWF	-4.5988224	EKTX	1.1571344	EKWFX	0.92984707	LMITR	0.0
CHITPP	82.234392	EKTZ	1.8295511	EKWFZ	1.0077656	QMITR	0.0
EKTR	0.0	EPSWT	0.48395136	SIGWT	0.59754480	XITR	0.0
QWF	53.687619	KQWT	0.87177979	KQVT	0.83236945	YITR	0.0
MUXS	0.32582848	CTSIG	0.11461481	LTOT	-3.1595724	ZITR	0.0
MUYS	0.20251387E-1	CMSIG	0.31221983E-2	DTOT	24.259027	LITR	0.0
MUZS	-0.29378511E-1	CQMSIG	0.90584381E-6	TTR	1966.9571	MITR	0.0
LAMBMR	-0.44277296E-1	NZ	0.99871239	MPMR	2926.9625	NITR	0.0
DWSMMR	0.14896784E-1	VC	0.14385114E-4	KTRBLK	1.0	AXP	-1.2248703
XMR	491.87795	MBAR	533.13378	VXBDOT	0.16355520E-1	AYP	-0.23146068
YMR	-1128.8393	JBAR	1128.8393	VYBDOT	0.13816841E-1	AZP	-32.133720
ZMR	-19578.629	TBAR	19571.878	VZBDOT	0.19444839E-1	VXP	236.43833
LMR	-11725.868	LBARM	-1925.6891	PDOT	0.11868881E-1	VYP	14.681174
MMR	7327.9348	MBARM	482.28829	QDOT	-0.17022868E-2	VZP	-0.9369413
NMR	58827.744	QBAR	59579.168	RDOT	0.74438744E-1	RSTR.	0.0
XWF	-1258.5981	XT	56.611196	XTR	0.0	PSIDMG	0.0
YWF	-477.41494	YT	-242.82899	YTR	1848.4725	BTR	2.0
ZWF	271.39555	ZT	908.60258	ZTR	-672.79827	MADD	0.0
LWF	868.85697	LT	-529.49778	LTR	11291.765	XADD	0.0
MWF	-12682.717	MT	26869.343	MTR	-21585.354	YADD	0.0
NWF	-3747.5835	NT	7043.3814	NTR	-59385.159	ZADD	0.0
XMT	73.234848	XVT	-16.622852	ALFMTT	-6.6312555	NADD	0.0
YMT	-3.3166821	YVT	-239.50439	ALFVTT	3.5448853	LADD	0.0
ZMT	986.26735	ZVT	2.3351552	AABBIF	0.23822483		

WEIGHT	19900.0	FSCG	360.26000	V	1.0E-2	PSITR2	0.0
IX	6268.0	RLCG	246.24999	DELS	-5.0	VXSTR.	0.0
IY	81567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	90224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019994	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62900	NSSS	5.0	THSTTR	-18.0	RLVT	273.0
NFR	15.0	PASLNT	1955.0	RLMT	234.0	FSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.31019687E-1	AIB	-1.1392193	IMT	34.0	XA	49.886127
LNGSTK	5.9019687	BIB	2.3931239	IS	-5.0	XB	20.862329
COLSTK	21.237278	THETAB	21.237278	TH75MR	11.157278	XC	67.232993
PEDAL	29.435000	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	4.9886126	XBIN	2.0862328	XCIN	6.7232992	XPIN	0.0
XBACTP	35.964103	XBACTI	3.5964103	RSTR.	0.0	PSTR	0.0
VXB	0.16813964E-1	THETAB	5.7941446	AABF	4.3546563	QSTR	0.0
VYB	0.0	PHIB	-2.4021572	AAIF	-2.6074854	RSTR	0.0
VZB	0.17862187E-2	BETAWF	0.0	BBIF	-1.2016031	TITR	0.0
P	0.0	GAML	0.0	AABL	-7.9267669	HITR	0.0
Q	0.0	DMGMAT	1.0	AAIL	0.18031473E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BBIL	0.21602568	MMITR	0.0
ALFWF	-12.449623	EKTX	-0.22019296	EKWFX	0.79995593E-5	LMITR	0.0
CMITPP	-2.5834756	EKTZ	0.16975012	EKWFZ	0.11099368E-3	QMITR	0.0
EKTH	0.0	EPSMT	0.44999999	SIGMT	0.0	XITR	0.0
QWF	0.27181449E-6	KUMT	0.87177979	KUVT	0.84852813	YITR	0.0
MUXS	0.23282968E-4	CTSIG	0.10930117	LTOT	-18.879096	ZITR	0.0
MUYS	0.0	CMSIG	-0.55726834E-2	QTOT	26.245617	LITR	0.0
MUZS	0.11363589E-5	CUMSIG	0.95059938E-6	TTR	1134.8923	MITR	0.0
LAMBMR	-0.68428956E-1	NZ	0.99402836	MPMR	2148.4677	NITR	0.0
DWSMMR	0.68422066E-1	VC	0.91743423E-4	KTRBLR	0.79599999	AXP	3.1422566
XMR	1926.9540	MBAR	-951.57102	VXBDOT	0.11760814E-2	AYP	0.69492781
YMR	-269.23367	JBAR	269.23367	VYBDOT	0.22517277E-2	AZP	-31.981185
ZMR	-10587.046	TBAR	10663.867	VZBDOT	-0.23785512E-3	VXP	0.16813964E-1
LMR	-7104.6669	LBARM	-3213.6656	PDOT	0.90533248E-3	VYP	0.0
MMR	11908.584	MBARM	-7191.7830	QDOT	0.19558834E-4	VZP	0.17862187E-2
NMR	43056.751	QBAR	43732.689	RDOT	0.26198663	RSTR.	0.0
XWF	-0.50000348E-5	XT	0.86148039	XTR	0.0	PSIDMB	2.0
YWF	0.0	YT	-6.34937338E-6	YTR	1066.5292	BTR	2.0
ZWF	0.65487810E-5	ZT	1.3654773	ZTR	-388.18566	MADD	0.0
LWF	0.0	LT	-0.77735580E-6	LTR	6515.1879	XADD	0.0
MWF	-0.13596191E-3	MT	39.594299	MTR	-12027.285	YADD	0.0
NWF	0.0	NT	0.97475174E-5	NTR	-33844.631	ZADD	0.0
XMT	0.86148048	XVT	-0.03785925E-7	ALFMTT	-2.9223661	NADD	0.0
YMT	0.0	YVT	-0.34937338E-6	ALFVTT	0.0	LADD	0.0
ZMT	1.3654773	ZVT	0.62959520E-7	AABBIF	2.8789683		

WEIGHT	19962.0	FSCG	300.20000	V	60.0	PSITR2	0.0
IX	6260.0	WLCG	246.24999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
RPM	15.0	PASCNT	755.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTR	-1.1159414	A15	-1.9950284	IMT	25.092847	XA	43.625365
LNGSTR	6.5129020	S15	5.0823202	I9	-3.0	XB	27.692642
COLSTR	19.614624	THETA0	19.614824	TH75MR	8.9348248	XC	53.342655
PEDAL	18.077509	THETTR	28.919299	TH75TR	15.419299	XP	29.825844
XAIN	4.3025365	XBIN	2.7692642	XCIN	5.3342655	XPIN	1.6185185
XBACTP	32.228600	XBACTI	3.2228600	RSTR.	0.0	PSTR	0.0
VXB	101.26533	THETAB	2.8687927	AA0F	4.1725986	QSTR	0.0
VYB	16.873409	PHIB	0.0	AA1F	-1.4466638	RSTR	0.0
VZB	5.8747845	BETAMF	7.8365960	BB1F	-0.51404817E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-5.0546674	HITR	0.0
Q	0.0	OMGMAT	1.0	AA1L	0.25339599	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.13466923E-1	MHITR	0.0
ALPMF	-8.0000520	EKTX	1.2481828	EKMFX	0.84913422	LMITR	0.0
CMITPP	75.375059	EKTZ	1.9573818	EKMFZ	1.0146241	GMITR	0.0
EKTH	0.0	EPSMT	0.52836595	SIGMT	1.2317378	XITR	0.0
QMF	13.415935	KWMT	0.87177979	KGVT	0.76018585	YITR	0.0
MUXS	0.1595068	CTSIG	0.11817923	LTDT	-0.5255324	ZITR	0.0
MUYS	0.2327558E-1	CMSIG	-0.21221149E-2	DTDT	27.489154	LITR	0.0
MUZS	-0.32033067E-3	CQMSIG	0.91872714E-6	TIR	942.75573	MITR	0.0
LAMBMR	-0.32745455E-1	NZ	0.99986731	MPMR	1376.4228	NITR	0.0
DMSMMR	0.32823124E-1	VC	0.0	RTRBLK	1.0	AXP	1.6483382
XMR	1346.4484	MBAR	-362.36457	VXBDOT	0.36548816E-1	AYP	0.12484232E-1
YMR	-506.95963	JBAR	506.95963	VYBDOT	0.57352266E-2	AZP	-32.144595
ZMR	-10767.593	TBAR	10813.802	VZBDOT	-0.12719876E-1	VXP	101.26533
LMR	-5770.6336	LBARM	-1282.4614	PDOT	0.26935727E-2	VYP	16.873409
MMR	19011.970	MBARM	-3931.1383	QDOT	-0.59425584E-3	VZP	5.8747845
NMR	27073.666	QBAR	20017.474	RDOT	-0.11948112E-2	RSTR.	0.0
XMF	-511.55442	XT	-58.138318	XTR	0.0	PSIDMG	0.0
YMF	-279.28342	YT	-96.322052	YTR	865.96648	BTR	2.0
ZMF	163.95785	ZT	-144.69458	ZTR	-522.46605	MADD	0.0
LMF	581.70795	LT	-287.34297	LTR	5412.1039	XADD	2.0
MMF	-4806.9866	MT	-4158.6244	MTR	-9991.8731	YADD	0.0
NMF	-2361.6126	NT	2686.3508	NTR	-27458.194	ZADD	0.0
XMT	-62.648852	XVT	4.5165143	ALFMTT	3.5041153	NADD	0.0
YMT	-2.1457226	YVT	-94.176329	ALFVTT	10.796485	LADD	0.0
ZMT	-142.48655	ZVT	-1.6079764	AABB1F	1.4470847		

WEIGHT	19960.0	FSCG	360.20000	V	80.0	PSIIR2	0.0
IX	6265.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.219999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.02000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KPR	15.0	PASCNT	1345.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.0331050	ALS	-1.9074991	IMT	11.005355	XA	43.542593
LNGSTK	7.5304072	BIS	6.9191918	IS	-3.0	XB	23.362518
COLSTK	18.968486	THETAB	18.968486	TH75MR	0.8884867	XC	53.053042
PEDAL	16.438614	THETTR	20.624798	TH75TR	13.124798	XP	36.031784
XAIN	4.3542593	XBIN	2.3362518	XCIN	5.3053042	XPIN	1.9456657
XBACTP	20.579556	XBACTI	2.6579556	RSTM.	0.0	PSTM	0.0
VXB	134.97575	THETAB	3.2298727	AA0P	4.1240898	QSTR	0.0
VYB	14.037847	PHIB	0.0	AA1P	-2.4431892	RSTR	0.0
VZB	7.6173669	BETAWF	5.2885227	BB1P	0.94647823E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.7905718	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.28133248	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.69448433E-1	MMITR	0.0
ALPWP	-4.0336535	EKTX	1.3918915	EKWFX	0.98168074	LMITR	0.0
CMITPP	80.144674	EKTZ	1.0046548	EKWFZ	1.0098553	QMITR	0.0
EKTR	0.0	EPSWT	0.50268522	SIGWT	0.91577682	XITR	0.0
QWF	20.306591	KQWT	0.87177979	KQVT	0.81829895	YITR	0.0
MUXS	0.18646744	CTSIG	0.11033077	LTOT	-1.7858799	ZITR	0.0
MUYS	0.19362871E-1	CMSIG	-0.34352165E-2	DTOT	24.753113	LITR	0.0
MUZS	0.74828451E-3	CQMSIG	0.90818258E-6	TTR	909.73795	MITR	0.0
LAMBMR	-0.24243400E-1	NZ	0.99836159	HPMR	1305.1001	NITR	0.0
DWSMMR	0.24991764E-1	VC	0.35762786E-5	KTRBLK	1.0	AXP	1.8196286
XMR	1571.7698	MBAR	-586.58499	VXBDOT	0.67895567E-2	AYP	-0.12723879E-1
YMR	-460.92243	JBAR	460.92243	VYBDOT	-0.81647107E-2	AZP	-32.122595
ZMR	-18783.062	TBAR	18841.045	VZBDOT	-0.65060374E-3	VXP	134.97575
LMR	-5881.7102	LBARM	-1342.3207	PDOT	-0.51069178E-2	VYP	14.037847
MMR	15833.333	MBARM	-6598.4613	QDOT	-0.56858591E-5	VZP	7.6173669
NMR	25696.135	QBAR	26565.695	RDOT	-0.42665548E-3	RSTR.	0.0
XWF	-474.96321	XT	-17.379785	XTR	0.0	PSIDMG	0.0
YWF	-281.56971	YT	-117.28936	YTR	854.93760	BTR	2.0
ZWF	69.858861	ZT	-32.349623	ZTR	-311.17244	MADD	0.0
LWF	498.38321	LT	-257.65514	LTR	5222.5578	XADD	0.0
MWF	-8462.9453	MT	-929.46533	MTR	-9641.1594	YADD	0.0
NWF	-2489.4075	NT	3272.8321	NTR	-26488.816	ZADD	0.0
XMT	-15.655593	XVT	-1.7241116	ALFMTT	0.58689534	MADD	0.0
YMT	-1.0190823	YVT	-116.26976	ALFVTT	0.1319568	LADD	0.0
ZMT	-32.696638	ZVT	0.31700787	AABB1P	2.4450818		

WEIGHT	19900.0	FSCG	360.20800	V	100.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41507.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	TWSIMR	-10.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	TWSITR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1230.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.1104497	A1S	-2.0366959	IMT	2.1731706	XA	43.059689
LNGSTK	9.9685369	B1S	9.6528607	IS	-3.0	XB	14.775487
COLSTK	19.472681	THETA0	19.472681	TM75MR	9.3926810	XC	56.284257
PEDAL	15.874932	THETTR	26.666149	TM75TR	13.166149	XP	37.594443
XAIN	4.3659668	XBIN	1.4775487	XCIN	5.6284257	XPIN	2.0308471
XBACTP	16.836392	XBACTI	1.6836392	RSTR.	0.0	PSTR	0.0
VXB	168.59812	THETAB	4.0093331	AABF	4.1181395	QSTR	0.0
VYB	13.675958	PHIB	0.0	AA1F	-4.0935119	RSTR	0.0
VZB	11.817919	BETAWF	4.2912516	BB1F	0.11079586	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-5.2246011	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.36149582	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.21530410	MMITR	0.0
ALPWF	-0.94351625	EKTX	1.3321035	EKWPX	0.92517276	LMITR	0.0
CHITPP	81.936367	EKTZ	1.7012676	EKWPZ	1.0080636	QMITR	0.0
EKTR	0.0	EPSWT	0.49291251	SIGRT	0.75526032	XITR	0.0
QWF	29.220748	KQWT	0.87177979	KQVT	0.82805192	YITR	0.0
MUXS	0.25308261	CTSIG	0.11111695	LTOT	1.5842809	ZITR	0.0
MUYS	0.18864779E-1	CMSIG	-0.60613351E-2	DTOT	24.438250	LITR	0.0
MUZS	0.41069616E-2	CQMSIG	0.89888379E-6	TTR	1003.6709	MITR	0.0
LAMBMR	-0.16182195E-1	NZ	0.99770940	MPMR	1417.8943	NITR	0.0
DWBMMR	0.20289157E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.2418316
XMR	2020.5010	MBAR	-1035.0113	VXBDOT	-0.82640769E-2	AYP	-0.17539804E-1
YMR	-469.30578	JBAR	469.30578	VYBDOT	-0.89588123E-2	AZP	-32.102576
ZMR	-18892.281	TBAR	18973.924	VZBDOT	-0.28110525E-2	VXP	168.59812
LMR	-5989.8019	LBARM	-1680.7083	PDOT	-0.42076869E-2	VYP	13.675958
MMR	8011.0959	MBARM	-11078.985	QDOT	-0.20944978E-3	VZP	11.817919
NMR	27957.223	QBAR	28861.655	RDOT	0.39144494E-3	RSTR.	0.0
XWF	-692.12701	XT	-4.4813164	XTR	0.0	PSIDMG	0.0
YWF	-328.52811	YT	-150.69348	YTR	943.21235	BTR	2.0
ZWF	-34.869306	ZT	226.17545	ZTR	-343.30188	MADD	0.0
LWF	531.88875	LT	-330.35184	LTR	5761.8018	XADD	0.0
MWF	-3808.9194	MT	6425.7517	MTR	-10636.636	YADD	0.0
NWF	-2913.8706	NT	4205.0324	NTR	-29223.862	ZADD	0.0
XMT	1.2098772	XVT	-5.6911936	ALFMTT	-2.8559512	NADD	0.0
YMT	-1.5203625	YVT	-149.17312	ALFVTT	4.6777353	LADD	0.0
ZMT	225.67460	ZVT	0.50085064	AABB1F	4.0950111		

WEIGHT	19900.0	FSCG	360.20000	V	120.0	PSITR2	0.0
IX	6200.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1217.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.3859633	AIS	-2.4175206	IMT	0.73663807	XA	41.337729
LNGSTK	11.329301	BIS	11.042752	IS	-3.0	XB	9.9671332
COLSTK	20.495119	THETAB	20.495119	TH75MR	10.415119	XC	62.594495
PEDAL	10.832439	THETTR	28.851082	TH75TR	15.351082	XP	34.938623
XAIN	4.1337729	XBIN	0.99671332	XCIN	6.2594494	XPIN	1.8866365
XBACTP	10.097036	XBACTI	1.0097035	RSTR.	0.0	PSTR	0.0
VXB	202.54593	THETAB	2.7866535	AA0P	4.0824927	QSTR	0.0
VYB	14.137591	PHIB	0.0	AA1P	-4.0765376	RSTR	0.0
VZB	9.8591917	BETAWF	3.7783488	BB1P	0.91237486E-1	TITR	0.0
P	0.0	GAMC	0.0	AABL	-6.3877339	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.41411683	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.19871798	MMITR	0.0
ALFWF	-0.67202879	EKTX	1.3092301	EKWFX	0.92921540	LMITR	0.0
CMITPP	82.247340	EKTZ	1.6934372	EKWFZ	1.0077526	QMITR	0.0
EKTR	0.0	EPSMT	0.48778340	SIGWT	0.66498797	XITR	0.0
QWF	40.235629	KQMT	0.87177979	KQVT	0.83052590	YITR	0.0
MUXS	0.27970141	CTSIG	0.11120868	LTOT	1.7044262	ZITR	0.0
MUYS	0.19501562E-1	CMSIG	-0.52454893E-2	DTOT	24.335668	LITR	0.0
MUZS	-0.10417322E-2	CWMSIG	0.89110301E-6	TTR	1236.4501	MITR	0.0
LAMBMR	-0.17980590E-1	NZ	0.99941785	HPMR	1735.8914	NITR	0.0
DWSMMR	0.16958658E-1	VC	0.14305114E-4	KTRBLK	1.0	AXP	1.5480383
XMR	1888.2116	MBAR	-895.78056	VXBDOT	-0.18282168E-1	AYP	-0.24985395E-1
YMR	-576.20486	JBAR	576.20486	VYBDOT	-0.96359554E-2	AZP	-32.161788
ZMR	-18915.212	TBAR	18989.588	VZBDOT	-0.21577739E-1	VXP	202.54593
LMR	-7364.0712	LBARM	-2888.8999	PDOT	-0.76190140E-2	VYP	14.137591
MMR	8971.6337	MBARM	-10981.604	QDOT	-0.13460500E-2	VZP	9.8591917
NMR	34162.719	QBAR	35293.867	RDOT	0.63290826E-3	RSTR.	0.0
XWF	-955.74465	XT	-15.344053	XTR	0.0	PSIDMG	0.0
YWF	-398.25898	YT	-193.20368	YTR	1161.9506	BTR	2.0
ZWF	-57.345424	ZT	318.58685	ZTR	-422.91629	MADD	0.0
LWF	640.98111	LT	-424.11270	LTR	7098.0089	XADD	0.0
MWF	-4975.2962	MT	9851.0401	MTR	-13183.356	YADD	0.0
NWF	-3531.2926	NT	5391.1811	NTR	-36001.105	ZADD	0.0
XMT	-4.5285446	XVT	-10.815509	ALFMTT	-3.0211777	NADD	0.0
YMT	-1.7740013	YVT	-191.42968	ALFVTT	4.0022339	LADD	0.0
ZMT	317.87643	ZVT	0.71041911	AABBIF	4.0775584		

WEIGHT	19900.0	FSLG	360.20000	V	140.0	PSITR2	0.0
IX	6268.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KFM	15.0	PASCNT	1511.0	WLMT	234.0	FSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-2.3536269	A1S	-3.5876137	IMT	0.22549525	XA	35.289831
LNGSTK	15.636475	B1S	12.894858	IS	-3.0	XB	1.8145745
COLSTK	22.460454	THETAC	22.460454	TH75MR	12.380454	XC	74.877839
PEDAL	20.505540	THETTR	34.882085	TH75TR	21.382085	XP	24.757316
XAIN	3.5289831	XBIN	0.18145745	XCIN	7.4877839	XPIN	1.3368602
XBACTP	-0.16057375	XBACTI	-0.16057374E-1	RSTR.	0.0	PSTR	0.0
VXB	256.53006	THETAB	1.1100815	AA0F	4.0504862	QSTR	0.0
VYB	16.465121	PHIB	0.0	AA1F	-3.7852726	RSTR	0.0
VZB	4.5834884	BETAWF	3.8215155	BB1F	-0.41644849E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-9.3189593	HITR	0.0
Q	0.0	OMGHAT	1.0	AA1L	0.57340779	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.15021995	MMITR	0.0
ALFWF	-1.4003310	EKTX	1.3318751	EKWFX	0.92306154	LMITR	0.0
CHITPP	81.773965	EKTZ	1.7159271	EKWFZ	1.0082260	QMITR	0.0
EKTH	0.0	EPSWT	0.46821515	SIGWT	0.67258676	XITR	0.0
GWF	53.540606	KQHT	0.87177979	KQVT	0.85031793	YITR	0.0
MUXS	0.32613079	CTSIG	0.11162811	LTOT	0.84100902	ZITR	0.0
MUYS	0.22709427E-1	CHSIG	-0.36940166E-2	DTOT	24.344502	LITR	0.0
MUZS	-0.10761699E-1	CWMSIG	0.88411682E-6	TTR	1780.1776	MITR	0.0
LAMBMR	-0.25529201E-1	NZ	1.0005083	HPMR	2498.0873	NITR	0.0
DWSMMR	0.14567302E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	0.59273494
XMR	1627.4197	HBAR	-630.77676	VXBDOT	-0.39691521E-1	AYP	0.33010083E-1
YMR	-867.01197	JBAR	867.01197	VYBDOT	0.16565572E-1	AZP	-32.199134
ZMR	-19007.594	TBAR	19061.208	VZBDOT	-0.25867362E-1	VXP	256.53006
LMR	-10473.540	LBARH	-2641.5031	PDOT	0.77547262E-2	VYP	16.465121
MMR	11495.290	MBARH	-16155.432	QDOT	-0.48353222E-2	VZP	4.5834884
NMR	49206.254	QBAR	50849.299	RDOT	-0.96696682E-3	RSTR.	0.0
XWF	-1264.5118	XT	-14.677223	XTR	0.0	PSIDMG	0.0
YWF	-534.01967	YT	-262.07274	YTR	1672.9441	BTR	2.0
ZWF	-13.669266	ZT	525.48245	ZTR	-608.90586	MADD	0.0
LWF	874.70445	LT	-574.77540	LTR	10219.515	XADD	0.0
MWF	-7766.4456	MT	14929.965	MTR	-18865.846	YADD	0.0
NWF	-4740.4320	NT	7312.9838	NTR	-51833.386	ZADD	0.0
XMT	0.10766533	XVT	-14.785088	ALFMTT	-3.8121386	NADD	0.0
YMT	-2.5650640	YVT	-259.50767	ALFVTT	3.9848995	LADD	0.0
ZMT	524.43875	ZVT	1.0437089	AABB1F	3.7855016		

WEIGHT	19900.0	FSCG	360.20000	V	150.0	PSITH2	0.0
IX	6266.0	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E+1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASLNT	1000.0	WLMT	234.0	FSVT	695.0
FSMT	700.80000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-5.4404343	A1S	-4.9180241	IMT	2.1386894	XA	28.497285
LNGSTK	14.149999	B1S	11.081758	IS	-3.0	XB	0.0
COLSTK	24.825531	THETAB	24.825531	TH75MR	14.745531	XC	89.659573
PEDAL	29.436000	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	2.8497284	XBIN	0.0	XCIN	8.9659572	XPIN	0.0
XBACTP	-8.2448414	XBALTI	-0.42448414	RSTR.	0.0	PSTR	0.0
VXB	253.13872	THETAB	-2.9748592	AA0P	4.1387408	QSTR	0.0
VYB	12.924649	PHIB	0.0	AA1P	0.65937384E-1	RSTR	0.0
VZB	-13.155667	BETAWF	2.0038587	BB1P	0.38076046	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-12.920078	HITR	0.0
Q	0.0	OMGHAT	1.0	AA1L	0.63384445	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.29419435	MHITR	0.0
ALFWF	-5.0864299	EKTX	1.1817009	EKWFX	0.92365205	LHITR	0.0
CHITPP	81.819396	EKTZ	1.8439836	EKWFZ	1.0081806	QHITR	0.0
EKTR	0.0	EPSWT	0.47803658	SIGWT	0.49347914	XITR	0.0
QWF	60.914560	KGMT	0.87177979	KGVT	0.83520603	YITR	0.0
MUXS	0.34772720	CTSIG	0.11489728	LTDT	-4.0199445	ZITR	0.0
MUYS	0.17028415E-1	CMSIG	0.43780200E-2	DTDT	24.166946	LITR	0.0
MUZS	-0.36395057E-1	CGMSIG	0.90163432E-6	TTR	2028.0824	MITR	0.0
LAMBMR	-0.30367754E-1	NZ	0.99502696	HPMR	3411.7008	NITR	0.0
DWSMMR	0.15972697E-1	VC	0.14305114E-4	KTRBLK	1.0	AXP	-2.8793936
XMR	280.27903	MBAR	747.57467	VXBDOT	-0.15755469	AYP	-0.74397554
YMR	-1232.1342	JBAR	1232.1342	VYBDOT	-0.27855698E-1	AZP	-30.734137
ZMR	-19630.152	TBAR	19619.440	VZBDOT	0.11415029	VXP	253.13872
LMR	-12009.665	LBARM	-1023.5708	PDOT	-0.29814137E-2	VYP	12.924649
MMR	31302.931	MBARM	632.54000	QDOT	0.51588024	VZP	-13.155667
NMR	67226.762	QBAR	69446.167	RDOT	0.28619901	RSTR.	0.0
XWF	-1424.4390	XT	60.093732	XTR	0.0	PSIDMG	0.0
YWF	-447.26525	YT	-243.02430	YTR	1905.9157	BTR	2.0
ZWF	372.64693	ZT	958.12723	ZTR	-693.69795	MADD	0.0
LWF	829.41984	LT	-531.53838	LTR	11642.668	XADD	0.0
MWF	-15729.558	MT	27293.413	MTR	-21493.074	YADD	0.0
NWF	-4010.3709	NT	6781.6784	NTR	-59051.623	ZADD	0.0
XMT	81.734581	XVT	-21.640848	ALFMTT	-6.1673489	NADD	0.0
YMT	-2.8894506	YVT	-248.13485	ALFVTT	2.8980779	LADD	0.0
ZMT	954.96794	ZVT	3.1592999	AABB1F	0.38642756		

WEIGHT	19900.0	FSCG	360.20000	V	150.0	PSITR2	0.0
IX	6268.6	WLCG	246.29999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	36224.0	TIME	0.20000000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	27.019999	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.62000	NSSS	5.0	THSITR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1557.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-3.4306555	A1S	-4.8659008	IMT	1.3548781	XA	20.508402
LNGSTK	18.0	B1S	15.310009	IS	-3.0	XB	0.0
COLSTK	24.336749	THETA0	24.336749	TH75MR	14.256749	XC	86.684684
PEDAL	29.436000	THE1TR	37.5	TH75TR	24.0	XP	0.0
XAIN	2.8508402	XBIN	0.0	XCIN	8.6604684	XPIN	0.0
XBACTP	-2.9578545	XBACTI	-0.29578544	RSTR.	0.0	PSTR	0.0
VXB	253.46965	THETAB	0.44956497	AA0P	4.0285314	QSTR	0.0
VYB	16.549719	PHIB	0.0	AA1P	-4.7308915	RSTR	0.0
VZB	1.9888267	BETAWF	3.6053156	BB1P	-0.14074197	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-12.037575	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.75640594	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.24300257	MHITR	0.0
ALFWF	-1.7268325	EKTX	1.4605106	EKWFX	0.90654686	LMITR	0.0
CMITPP	80.503760	EKTZ	1.7187020	EKWFZ	1.0894962	QMITR	0.0
EKTR	0.0	EPSWT	0.48605315	SIGWT	0.63453555	XITR	0.0
QWF	60.531652	KUMT	0.87177979	KQVT	0.83155881	YITR	0.0
MUXS	0.34927631	CTSIG	0.11127502	LTOT	0.36992740	ZITR	0.0
MUYS	0.22828660E-1	CMSIG	-0.39681874E-2	DTOT	24.301063	LITR	0.0
MUZS	-0.15556703E-1	CUMSIG	0.87932465E-6	TTR	2048.2778	MITR	0.0
LAMBMR	-0.29113717E-1	NZ	1.0047198	MPMR	3201.4266	NITR	0.0
OMSMMR	0.13555014E-1	VC	0.89466967E-6	KTRBLK	1.0	AXP	0.72012783
XMR	1669.6352	MBAR	-676.21344	VXBUOT	0.99003665E-1	AYP	-0.34580690
YMR	-1051.7110	JBAR	1031.7110	VYBUOT	0.58828017E-1	AZP	-32.924968
ZMR	-18938.010	TBAR	19000.915	VZBUOT	-0.15570784	VXP	253.46965
LMR	-12395.365	LBARM	-2031.2354	PUOT	0.11854068E-1	VYP	16.549719
MMR	8519.6291	MBARM	-12775.823	QUOT	-0.24323881	VZP	1.9888267
NMR	63220.401	QBAR	65165.975	RUOT	0.17076685	RSTR.	0.0
XWF	-1437.8648	XT	-23.279671	XTR	0.0	PSIDMG	0.0
YWF	-571.66152	YT	-286.62103	YTR	1924.8947	BTR	2.0
ZWF	21.061179	ZT	439.46363	ZTR	-700.60574	MADD	0.0
LWF	955.04934	LT	-629.97055	LTR	11758.605	XADD	0.0
MWF	-9421.8754	MT	12493.775	MTR	-21707.101	YADD	0.0
NWF	-5078.0886	NT	7997.8013	NTR	-59639.654	ZADD	0.0
XHT	-4.9906504	XVT	-18.789021	ALFHTT	-2.7882592	NADD	0.0
YHT	-2.5660779	YVT	-284.23295	ALFVTT	3.7295165	LADD	0.0
ZHT	438.13874	ZVT	1.3248908	AAB61P	4.7329846		

WEIGHT	19900.0	FSCG	360.20000	V	40.0	PSITR2	0.0
IX	6260.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1574.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.8645144	AIS	-2.6500000	IMT	28.452054	XA	38.346784
LNGSTK	0.5758386	BIS	4.1443951	IS	-3.0	XB	33.830958
COLSTK	18.106151	THETA0	18.106151	TH7SMR	0.0261315	XC	47.663444
PEDAL	14.869822	THETTR	24.021204	TH7STR	10.521204	XP	40.380842
XAIN	3.8346784	XBIN	3.3830958	XCIN	4.7663447	XPIN	2.1805087
XBACTP	40.587456	XBACTI	4.0587456	RSTR.	0.0	PSTR	0.0
VXB	67.349219	THETAB	4.8855227	AA0F	3.4930566	QSTR	0.0
VYB	0.0	PHIB	-1.7132399	AA1F	-2.6241740	RSTR	0.0
VZB	5.7569621	BETAWF	0.0	BB1F	-0.30751654	TITR	0.0
P	0.0	GAMC	0.0	AARL	-5.0887476	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.22559698	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.12570405	MHITR	0.0
ALFWF	-17.870822	EKTX	0.97824706	EKWFX	0.69015835	LMITR	0.0
CHIPP	62.319874	EKTZ	2.0165237	EKWFZ	1.0353602	QMITR	0.0
EKTH	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	7.9436876	KQMT	0.93225064	KQVT	0.84852813	YITR	0.0
MUXS	0.84717864E-1	CTSIG	0.92667451E-1	LTOT	-38.741646	ZITR	0.0
MUYS	0.0	CMSIG	-0.33423798E-2	DTOT	29.891491	LITR	0.0
MUZS	0.27899401E-2	COMSIG	0.63020404E-6	TTR	1141.9651	MITR	0.0
LAMBMR	-0.39608741E-1	NZ	0.99586486	MPMR	1839.6475	NITR	0.0
DWSMMR	0.42397781E-1	VC	0.15498790	KTRBLK	1.0	AXP	2.7434510
XMR	1691.3788	HBAR	-690.49346	VXBDOT	0.34182158E-2	AYP	0.95412731
YMR	-501.21399	JBAR	501.21399	VYBDOT	-0.37110595E-2	AZP	-32.041112
ZMR	-19080.065	TBAR	19143.925	VZBDOT	-2.93619450E-3	VXP	67.349219
LMR	-6584.4585	LBARH	-1796.4220	PDOT	-0.11164289E-2	VYP	0.0
MMR	12741.703	MBARH	-8599.6812	QDOT	0.12460200E-3	VZP	5.7569621
NMR	33073.957	QBAR	34044.421	RDOT	-0.61171596E-3	RSTR.	0.0
XWF	-151.03022	XT	87.254710	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-5.5844328	YTR	1073.1760	BTR	4.0
ZWF	385.29718	ZT	154.30481	ZTR	-390.60488	MADD	0.0
LWF	0.0	LT	-12.611510	LTR	6591.4835	XADD	0.0
MWF	-5156.1865	MT	4521.9960	MTR	-12102.241	YADD	0.0
NWF	0.0	NT	155.80567	NTR	-33250.569	ZADD	0.0
XMT	88.654954	XVT	-1.4802439	ALFMTT	-4.8430697	NADD	0.0
YMT	0.0	YVT	-5.5844328	ALFVTT	0.0	LADD	0.0
ZMT	155.38520	ZVT	0.91961784	AABB1F	2.6421309		

WEIGHT	19900.0	FSCG	360.26000	V	40.0	PSITR2	0.0
IX	6268.0	WLCG	265.49999	DELB	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KPR	15.0	PASCNT	2674.0	WLHT	234.0	FBVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.6904761	AIB	-2.4794889	IMT	29.436497	XA	39.434524
LNGSTK	8.9723980	BIB	4.4852173	IS	-3.0	XB	18.295413
CULSTK	18.139541	THETAB	18.139541	TM75MR	8.0595413	XC	47.872134
PEDAL	29.436000	THETTR	37.5	TM75TR	24.0	XP	0.0
XAIN	3.9434523	XBIN	1.8295412	XCIN	4.7872134	YPIN	0.0
XBACTP	25.158770	XBACTI	2.5158770	RSTR.	0.0	PSTR	0.0
VXB	67.320324	THETAB	5.1667298	AA0F	3.5054754	QSTR	0.0
VYB	0.0	PHIB	-1.1618475	AA1F	-2.9759461	RSTR	0.0
VZB	6.0874677	BETAWF	0.0	BB1F	-0.11532143	TITR	0.0
P	0.0	GAMC	0.0	AARL	-4.9660046	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.24657844	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.14604984	MMITR	0.0
ALFWF	-17.773577	EKTX	0.98569392	EKWFX	0.68735896	LMITR	0.0
CHIPP	62.184536	EKTZ	2.0051772	EKWFZ	1.0357909	QMITR	0.0
EKTW	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	7.9291009	KQMT	0.93026660	KQVT	0.84852813	YITR	0.0
MUXS	0.84703371E-1	CTSIG	0.92916730E-1	LTDT	-30.547155	ZITR	0.0
MUYS	0.0	CMSIG	-0.34959391E-2	DTDT	29.899805	LITR	0.0
MUZS	0.32248219E-2	CQMSIG	0.63244462E-6	TTR	871.86125	MITR	0.0
LAMBMR	-0.39356659E-1	NZ	0.99554963	MPMR	1791.5808	NITR	0.0
DWSMMR	0.42561481E-1	VC	0.11252760	RTRBLK	1.0	AXP	2.8221915
XMR	1898.2667	MBAR	-884.85180	VXRDOT	0.28590363E-2	AYP	0.18598498
YMR	-427.64149	JBAR	427.64149	VYRDOT	-0.97361655E-4	AZP	-32.831626
ZMR	-19125.504	TBAR	19195.423	VZRDOT	0.16378259E-3	VXP	67.320324
LMR	-5446.0148	LBARM	-1145.2653	PDOT	-0.36138440E-4	VYP	0.0
MMR	18945.627	MBARM	-9769.0510	QDOT	-0.32089871E-3	VZP	6.0874677
NMR	32341.243	QBAR	33155.096	RDOT	0.18664539	PSTR.	0.0
XWF	-151.12421	XT	62.978297	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-5.5857317	YTR	818.59969	RTR	2.0
ZWF	382.81398	ZT	117.58245	ZTR	-297.94322	MADD	0.0
LWF	0.0	LT	-12.414444	LTR	5027.8118	XADD	0.0
MWF	-5127.7678	MT	3400.6496	MTR	-9231.2741	YADD	0.0
NWF	0.0	NT	155.84191	NTR	-25362.668	ZADD	0.0
XMT	64.382843	XVT	-1.4945450	ALFMTT	-3.6090681	NADD	0.0
YMT	0.0	YVT	-5.5857317	ALFVTT	0.0	LADD	0.0
ZMT	116.66874	ZVT	0.91371019	AABB1F	2.9781797		

WEIGHT	19900.0	FSCG	360.20900	V	60.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41507.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38220.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720900	NBSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1760.0	WLHT	234.0	FSVT	695.0
FSMT	700.40900	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.2944239	A19	-1.7997144	IHT	20.993322	XA	43.722350
LNGSTK	9.2486419	B19	4.5259636	IS	-3.0	XB	17.319285
COLSTK	17.327480	THETA0	17.327480	TH75MR	7.2474805	XC	42.796754
PEDAL	29.436900	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	4.3722350	XBIN	1.7319285	XCIN	4.2796754	XPIN	0.0
XBACTP	21.993865	XBACTI	2.1993865	RSTR.	0.0	PSTR	0.0
VXB	101.23182	THETAB	3.2297766	AA0F	3.3547941	QSTR	0.0
VYB	17.358673	PHIB	0.0	AA1F	-1.8636352	RSTR	0.0
VZB	5.7128568	BETAWF	8.0633511	BB1F	-0.24623458E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.1541264	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.19526776	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.59893330E-1	MHITR	0.0
ALFWF	-8.5579099	EKTX	1.2621922	EKWFX	0.84775730	LHITR	0.0
CHITPP	75.250964	EKTZ	1.9466122	EKWFZ	1.0147493	QHITR	0.0
EKTW	0.0	EPSWT	0.53963350	SIGWT	1.2598555	XITR	0.0
QWF	13.415961	KQHT	0.47177979	KQVT	0.75479755	YITR	0.0
MUXS	0.12714544	CTSIG	0.91400263E-1	LTOT	-8.0799858	ZITR	0.0
MUYS	0.21769430E-1	CHSIG	-0.20799346E-2	DTOT	27.471151	LITR	0.0
MUZS	0.51001512E-3	CQHSIG	0.60525924E-6	TTR	893.24377	MITR	0.0
LAMBMR	-0.29085651E-1	NZ	0.99833767	HPMR	1512.7996	NITR	0.0
DWBMR	0.29595666E-1	VC	0.35762786E-5	KTPBLK	1.0	AXP	1.7989645
XMR	1417.3374	HBAR	-829.68821	VXBDOT	0.16676607E-2	AYP	-0.92339456E-1
YMR	-453.80405	JBAR	453.80405	VYBDOT	0.54645530E-3	AZP	-32.120793
ZMR	-18833.958	TBAR	18883.792	VZBDOT	0.12180816E-3	VXP	101.23182
LMR	-5609.2498	LBARH	-1421.8396	PDOT	0.33823054E-3	VYP	17.358673
MMR	16341.307	MBARH	-6238.9834	QDOT	-0.16790942E-3	VZP	5.7128568
NMR	27131.914	QBAR	27995.956	RDOT	0.37654558E-1	RSTR.	0.0
XWF	-311.73696	XT	-29.194732	XTR	0.0	PSIDMG	-150.0
YWF	-287.34946	YT	-97.959074	YTR	839.43699	BTR	2.0
ZWF	156.50572	ZT	-73.285627	ZTR	-305.53067	MADD	0.0
LWF	584.26444	LT	-215.61415	LTR	5155.8505	XADD	0.0
MWF	-4759.8981	MT	-2122.0414	MTR	-9466.3585	YADD	0.0
NWF	-2818.6657	NT	2733.8349	NTR	-26008.555	ZADD	0.0
XHT	-34.188615	XVT	4.9918823	ALFHTT	1.7730267	NADD	0.0
YHT	-1.7261828	YVT	-96.232891	ALFVTT	11.184022	LADD	0.0
ZHT	-71.545280	ZVT	-1.7403468	AABB1F	1.0637979		

WEIGHT	19900.0	FSCG	360.20000	V	80.0	PSITR2	0.0
IX	6260.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	2031.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.86986941	A1S	-1.5660727	IMT	0.7391549	XA	44.563316
LNGSTK	18.749941	B1S	6.0416779	IS	-3.0	XB	11.872997
COLSTK	17.239255	THETAR	17.239255	TH75MR	7.1592553	XC	42.245346
PEDAL	29.436000	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	4.4563316	XBIN	1.1872997	XCIN	4.2245346	XPIN	0.0
XBACTP	15.139236	XBACTI	1.5139236	RSTR.	0.0	PSTR	0.0
VXB	134.95994	THETAB	3.3575525	AA0F	3.3103565	QSTR	0.0
VYB	17.445485	PHIB	0.0	AA1F	-2.8342951	RSTR	0.0
VZB	7.9182832	BETAWF	6.5668983	BB1F	-0.87259753E-2	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.1746602	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.22458934	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.16232964	MHITR	0.0
ALFWF	-3.9388427	EKTX	1.4147717	EKWFX	0.89850596	LHITR	0.0
CHIPP	79.864179	EKTZ	1.7989190	EKWFZ	1.0101358	QHITR	0.0
EKTR	0.0	EPSWT	0.51566898	SIGWT	1.0742954	XITR	0.0
QWF	20.383912	KQHT	0.87177979	KQVT	0.78967819	YITR	0.0
MUXS	0.16952722	CTSIG	0.91627454E-1	LTOT	-1.4132319	ZITR	0.0
MUYS	0.21878300E-1	CHSIG	-0.29416340E-2	DTOT	25.520138	LITR	0.0
MUZS	0.18581704E-2	CQHSIG	0.59724199E-6	TTR	983.09224	MITR	0.0
LAMBMR	-0.21708420E-1	NZ	0.99811819	HPMR	1508.5396	NITR	0.0
DWSMMR	0.22766590E-1	VC	0.0	KTRBLK	1.0	AXP	1.9038294
XMR	1597.4658	HBAR	-607.70460	VXBDOT	0.10498289E-1	AYP	0.43461586E-1
YMR	-435.84047	JBAR	435.84047	VYBDOT	-0.24149638E-2	AZP	-32.115199
ZMR	-18869.859	TBAR	18929.074	VZBDOT	0.34192703E-2	VXP	134.95994
LMR	-5940.7889	LBARM	-1865.9883	PDOT	-0.10927268E-2	VYP	17.445485
MMR	12125.547	MBARM	-9432.6397	QDOT	-0.51885313E-3	VZP	7.9182832
NMR	27859.601	QBAR	27917.121	RDOT	-0.19284157E-1	PSTR.	0.0
XWF	-479.96389	XT	6.6568422	XTR	0.0	PSIDMG	-150.0
YWF	-352.03281	YT	-137.43266	YTR	923.87322	RTR	2.0
ZWF	61.935217	ZT	92.187300	ZTR	-336.26390	MADD	0.0
LWF	609.14684	LT	-305.17834	LTR	5674.4606	XADD	0.0
MWF	-4341.5589	MT	2612.9741	MTR	-10418.548	YADD	0.0
NWF	-3004.6163	NT	3835.0900	NTR	-28624.671	ZADD	0.0
XHT	5.1281852	XVT	1.5367369	ALFHTT	-1.5274318	NADD	0.0
YHT	-1.5970551	YVT	-135.83561	ALFVTT	7.9560775	LADD	0.0
ZHT	92.385647	ZVT	-0.27834640	AABB1F	2.8343085		

WEIGHT	19900.0	FSCG	360.20000	V	60.0	PSITR2	0.0
IX	6260.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41507.0	RHO	0.23700000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1873.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.87202037	A1S	-1.3909302	IMT	13.111709	XA	44.544872
LNGSTK	0.4713916	B1S	0.4885099	IS	-3.0	XB	20.065753
COLSTK	15.510192	THETA0	15.510192	TM7SMR	5.4301929	XC	31.438704
PEDAL	24.897889	THETTR	30.933320	TM7STR	17.433320	XP	12.582919
XAIN	4.4544872	XBIN	2.0065753	XCIN	3.1438704	XPIN	0.67945999
XBACTP	24.902105	XBACTI	2.4902105	RSTR.	0.0	PSTR	0.0
VXB	101.19271	THETAB	3.6510470	AA0F	3.1188814	QSTR	0.0
VYB	15.212541	PHIB	0.0	AA1F	-2.5952790	RSTR	0.0
VZB	6.4574910	BETAWF	7.3938179	BB1F	-0.12522788E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-3.7810409	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.18120714	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.13596708	MMITR	0.0
ALFWF	-5.5941872	EKTX	1.3627530	EKWFX	0.87956745	LMITR	0.0
CMITPP	78.142497	EKTZ	1.8499282	EKWFZ	1.0118574	QMITR	0.0
EKTR	0.0	EPSWT	0.52393817	SIGWT	1.1768334	XITR	0.0
QWF	16.634927	KQWT	0.87177979	KQVT	0.77859882	YITR	0.0
MUXS	0.12714534	CTSIG	0.67441533E-1	LTOT	-3.4719342	ZITR	0.0
MUYS	0.19077976E-1	CMSIG	-0.21905100E-2	DTOT	26.192169	LITR	0.0
MUZS	0.14450719E-2	CQMSIG	0.41409561E-6	TTR	868.80124	MITR	0.0
LAMBMR	-0.20724786E-1	NZ	0.99792698	HPMR	1376.7831	NITR	0.0
DELBMR	0.22169858E-1	VC	0.35762786E-5	KTRBLK	1.0	AXP	2.0523527
XMR	1604.8492	HBAR	-614.92593	VXBDOT	0.30229822E-2	AYP	-0.44747859E-2
YMR	-375.85036	JBAR	375.85036	VYBDOT	-0.30811874E-2	AZP	-32.108133
ZMR	-18872.772	TBAR	18932.370	VZBDOT	0.92508360E-3	VXP	101.19271
LMR	-5353.1578	LBARH	-1765.9570	PDOT	-0.11774270E-2	VYP	15.212541
MMR	12842.768	MBARH	-8475.9033	QDOT	-0.13679194E-3	VZP	6.4574910
NMR	24729.898	NBAR	25478.827	RDOT	-0.31201199E-3	RSTR.	0.0
XWF	-389.72188	XT	2.2538232	XTR	0.0	PSIDMG	-150.0
YWF	-324.39345	YT	-118.85098	YTR	816.46682	BTR	2.0
ZWF	96.188969	ZT	25.323549	ZTR	-297.17019	MADD	0.0
LWF	593.97437	LT	-262.24373	LTR	5014.7669	XADD	0.0
MWF	-4349.8458	MT	707.31196	MTR	-9207.3231	YADD	0.0
NWF	-2735.6706	NT	3294.2255	NTR	-25296.863	ZADD	0.0
XWT	-1.8356648	XVT	4.8895041	ALFWTT	-0.48803997	NADD	0.0
YWT	-1.3399229	YVT	-116.71106	ALFVTT	9.5416202	LADD	0.0
ZWT	26.312879	ZVT	-0.98933011	AABB1F	2.5953092		

WEIGHT	19900.0	FSCG	360.20000	V	80.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41507.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38724.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1427.0	WLHT	234.0	FSVT	695.0
FSHT	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.71544498	A1S	-1.2408946	IHT	-0.66897055	XA	45.528469
LNGSTK	10.896223	B1S	7.2985121	IS	-3.0	XB	11.497442
CGLSTK	15.581452	THETA0	15.581452	TH75MR	5.5014528	XC	31.884980
PEDAL	23.591088	THETTR	29.712831	TH75TR	16.212831	XP	16.203457
XAIN	4.5528469	XBIN	1.1497442	XCIN	3.1884980	XPIN	0.87496395
XBACTP	15.438922	XBACTI	1.5438922	RSTR.	0.0	PSTR	0.0
VXB	134.65440	THETAB	5.0997732	AA0F	3.1233969	QSTR	0.0
VYB	14.292419	PHIB	0.0	AA1F	-5.0396724	RSTR	0.0
VZB	12.017546	BETAWF	5.5490A12	BB1F	0.21341068E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-3.9001386	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.21807280	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.3331A363	MHITR	0.0
ALFWF	-0.67705678	EKTX	1.4160471	EKWFX	0.91667421	LHITR	0.0
CHITPP	81.282633	EKTZ	1.6873798	EKWFZ	1.0087173	QHITR	0.0
EKTR	0.0	EPSWT	0.50549060	SIGWT	0.94808359	XITR	0.0
QWF	35.995102	KQHT	0.87177979	KQVT	0.81254771	YITR	0.0
MUXS	0.16941364	CTSIG	0.68251451E-1	LTOT	2.2973439	ZITR	0.0
MUYS	0.17924055E-1	CHSIG	-0.4A0A8179E-2	DTOT	24.909436	LITR	0.0
MUZS	0.62116452E-2	CQHSIG	0.41469513E-6	TTR	914.20640	MITR	0.0
LAMGMR	-0.10895403E-1	NZ	0.99A02522	HPMR	1410.4313	NITR	0.0
DW3HMR	0.17107048E-1	VC	0.0	KTRBLK	1.0	AXP	2.8477028
XMR	2294.6389	HBAR	-1293.7999	VXBDOT	-0.10901341E-1	AYP	-0.17964955E-1
YMR	-324.46621	JBAR	324.46421	VYBDOT	-0.91565769E-2	AZP	-32.046421
ZMR	-19064.277	TBAR	19159.733	VZBDOT	-0.19513996E-2	VXP	134.65440
LMR	-5538.8038	LBARH	-2228.1582	PDOT	-0.48471713E-2	VYP	14.292419
MMR	947.13549	MBARH	-14746.641	QDOT	0.69054394E-3	VZP	12.017546
NMR	25411.521	QBAR	26101.522	RDOT	-0.47716187E-4	RSTR.	0.0
XWF	-614.44516	XT	10.017197	XTR	0.0	PSIDMG	-150.0
YWF	-378.46377	YT	-161.63925	YTR	859.13688	RTR	2.0
ZWF	-52.449030	ZT	417.29761	ZTR	-312.70085	MADD	0.0
LWF	587.80217	LT	-356.11811	LTR	5276.8479	XADD	0.0
MWF	-3076.9388	MT	11847.035	MTR	-9688.5147	YADD	0.0
NWF	-3294.2089	NT	4510.9698	NTR	-26618.924	ZADD	0.0
XHT	12.109289	XVT	-2.8920122	ALFHTT	-5.7648229	NADD	0.0
YHT	-2.7437537	YVT	-158.89549	ALFVTT	6.2653794	LADD	0.0
ZHT	417.11105	ZVT	0.18656219	AABB1F	5.0397176		

WEIGHT	19922.0	FSCG	360.20000	V	100.0	PSITR2	0.0
IX	6268.8	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.8	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.8	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	137.07999	NSSS	5.0	THSTTR	-10.0	WLVT	273.2
KPR	15.0	PASCNT	1259.0	WLHT	234.0	FSVT	695.2
FSHT	720.42000	SHT	45.0	SVT	32.320000	QSTR.	0.0
LATSTK	-0.66472623	A1S	-1.2425347	IHT	-3.1982683	XA	45.845586
LNGSTK	12.148168	B1S	0.5611313	IS	-3.2	XB	7.8736877
COLSTK	16.870568	THETA0	16.870568	TH75MR	5.9995600	XC	34.941251
PEDAL	24.861961	THETTR	30.769742	TH75TR	17.269742	XP	14.980583
XAIN	4.5845586	XBIN	0.72736877	XCIN	3.4941251	XPIN	0.82461260
XBACTP	9.2460792	XBACTI	0.92460791	RSTR.	0.0	PSTR	0.0
VXB	168.52484	THETAB	4.2945974	AA2F	3.1038591	QSTR	0.0
VYB	14.399203	PHIB	0.0	AA1F	-5.7161325	RSTR	0.0
VZB	12.656104	RETAWF	4.4879102	BB1F	0.87363581E-3	TITR	0.0
P	0.0	GAMC	0.0	AA2L	-4.4294557	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.23465514	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.42551923	MHITR	0.0
ALF-F	0.51612854	EKTX	1.3989978	EKWFX	0.92429223	LHITR	0.0
CHIPP	81.868635	EKTZ	1.6492891	EKWFZ	1.0281313	QHITR	0.0
EKTR	0.0	EPSHT	0.49627918	SIGHT	0.81999360	XITR	0.0
QBF	38.198503	KQHT	0.87177979	KQVT	0.82452081	YITR	0.0
MUXS	0.21187279	CTSIG	0.68347385E-1	LTOT	3.7721986	ZITR	0.0
MUYS	0.18257721E-1	CMSIG	-0.48848533E-2	DTOT	24.656422	LITR	0.0
MUZS	0.47883037E-2	CQWSIG	0.41218128E-6	TTR	1254.1873	MITR	0.0
LAMBMR	-0.89528444E-2	NZ	0.99710299	HPMR	1596.9259	NITR	0.0
DBSMMR	0.13741148E-1	VC	0.14385114E-4	KTRBLK	1.0	AXP	2.4852813
XMR	2358.7748	MBAR	-1348.6869	VXBDOT	-0.33771158E-2	AYP	-0.36580992E-1
YMR	-327.23468	JBAR	327.23468	VYBDOT	-0.18796972E-1	AZP	-32.283637
ZMR	-19088.278	TBAR	19186.641	VZBDOT	0.27489139E-2	VXP	168.52484
LMR	-6386.3409	LBARH	-2879.3978	PDOT	-0.11121782E-1	VYP	14.399203
MMR	-1522.9972	MBARH	-18919.292	QDOT	0.72251041E-3	VZP	12.656104
NMR	28819.152	QBAR	29552.862	RDOT	-0.12866822E-2	RSTR.	0.0
XAF	-986.29779	XT	-17.814739	XTR	0.0	PSIDMG	-150.0
YAF	-461.62434	YT	-212.97843	YTR	998.68571	BTR	2.0
ZAF	-152.26561	ZT	568.42292	ZTR	-362.58081	HADD	0.0
LAF	785.71753	LT	-471.48618	LTR	6284.8252	XADD	0.0
MAF	-3394.8988	MT	16119.754	MTR	-11171.995	YADD	0.0
NAF	-4883.7108	NT	5943.4235	NTR	-32694.745	ZADD	0.0
XMT	-18.255864	XVT	-6.7588745	ALFHTT	-5.6188382	NADD	0.0
YMT	-2.9446552	YVT	-218.83378	ALFVTT	4.9147772	LADD	0.0
ZMT	568.13721	ZVT	0.28571432	AABB1F	5.7161391		

WEIGHT	19900.0	FSCG	368.20000	V	120.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.720000	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	137.87999	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1978.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.72682374	A1S	-1.3971259	IMT	-5.1248397	XA	45.457351
LNGSTK	14.149999	B1S	10.374674	IS	-3.0	XB	0.0
COLSTK	16.987788	THETA0	16.987788	THTSMR	6.9877883	XC	40.673678
PEDAL	25.688727	THETTR	33.498873	THTSTR	19.998873	XP	10.388314
XAIN	0.5457351	XBIN	0.0	XCIN	4.0673677	XPIN	0.56095439
XBACTP	0.46556752	XBACTI	0.46556752E-1	RSTR.	0.0	PSTR	0.0
VXB	282.38529	THETAB	3.6517221	AA0F	3.1256101	QSTR	0.0
VYB	15.319704	PHIB	0.0	AA1F	-6.7929436	RSTR	0.0
VZB	12.917368	BETAWF	4.1546987	BB1F	-0.88790551E-1	TITR	0.0
P	0.0	GAMC	0.0	AAPL	-5.3466337	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.26648419	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.56884182	MMITR	0.0
ALFWF	0.98468589	EKTX	1.4552894	EKWFX	0.91643035	LMITR	0.0
CMITPP	81.263875	EKTZ	1.6558753	EKWFZ	1.0087361	QMITR	0.0
EKTH	0.0	EPSWT	0.49154698	SIGWT	0.73122557	XITR	0.0
QWF	53.139541	KQMT	0.87177979	KQVT	0.82871133	YITR	0.0
MUXS	0.25429868	CTSIG	0.68839386E-1	LTOT	4.4343106	ZITR	0.0
MUYS	0.19212368E-1	CMSIG	-0.54432862E-2	DTOT	24.786343	LITR	0.0
MUZS	0.28931406E-2	COMSIG	0.41498897E-6	TTR	1292.9737	MITR	0.0
LAMBMR	-0.86482918E-2	NZ	0.99754623	MPMR	1928.8460	NITR	0.0
DWSMMR	0.11541432E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.0164442
XMR	2537.1915	MBAR	-1528.0541	VXBDOT	0.85464011E-2	AYP	-0.51187725E-2
YMR	-360.85666	JBAR	360.85666	VYBDOT	-0.77302145E-2	AZP	-32.038599
ZMR	-19216.825	TBAR	19324.788	VZBDOT	0.13155281E-1	VXP	282.38529
LMR	-7746.7114	LBARM	-3717.6741	PDOT	-0.31503696E-2	VYP	15.319704
MMR	-5916.5878	MBARM	-22406.060	QDOT	0.23261686E-1	VZP	12.917368
NMR	34853.418	DBAR	35695.334	RDOT	-0.33879355E-2	RSTR.	0.0
XWF	-1278.0286	XT	-46.280238	XTR	0.0	PSIDMG	-150.0
YWF	-579.57605	YT	-279.24160	YTR	1215.0881	BTR	2.0
ZWF	-257.56423	ZT	875.48445	ZTR	-442.25679	MADD	0.0
LWF	889.51687	LT	-617.84876	LTR	7463.1128	XADD	0.0
MWF	-4229.8539	MT	24816.415	MTR	-13702.589	YADD	0.0
NWF	-5120.7782	NT	7792.6092	NTR	-37647.481	ZADD	0.0
XMT	-33.218424	XVT	-13.061814	ALFMTT	-6.3456864	MADD	0.0
YMT	-3.9298878	YVT	-275.31179	ALFVTT	4.3328628	LADD	0.0
ZMT	875.20688	ZVT	0.27837634	AABB1F	6.7934240		

WEIGHT	19900.0	FSCG	360.20000	V	60.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20020000E-1	DELSMR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1615.0	WLMT	234.0	FSVT	495.0
FSMT	700.00000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.1143000	A1S	-1.8366822	IMT	15.097291	XA	43.035424
LNGSTK	5.3108954	B1S	5.4574330	IS	-3.0	XB	31.205316
COLSTK	17.493420	THETAB	17.493420	THTSMR	7.4134200	XC	43.033875
PEDAL	12.198950	THETTR	28.607854	THTSTR	7.1070542	XP	47.807301
XAIN	4.3835624	XBIN	3.1285315	XCIN	4.3833875	XPIN	2.5815271
XPACTP	36.843353	XBACTI	3.6043353	PSTR.	2.0	PSTR	0.0
VXB	101.19230	THETAB	3.6554366	AARF	4.4693621	QSTR	2.0
VYB	12.318592	PHIB	0.0	AA1F	-2.5242755	RSTR	0.0
VZB	6.4652500	RETAWF	5.9973912	BB1F	0.65869669E-1	TITR	0.0
P	0.0	GAMC	0.0	AAPL	-4.7997738	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.28241277	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.10585260	MMITR	0.0
ALFWF	-5.5885982	EKTX	1.3616490	EKWFX	0.88040187	LMITR	0.0
CMIPP	78.218353	EKTZ	1.8523986	EKWFZ	1.0117816	QMITR	0.0
EKTR	0.0	EPSWT	0.50997390	SIGWT	1.0036765	XITR	0.0
QWF	16.543644	KQMT	0.87177979	KQVT	0.90255461	YITR	0.0
MUXS	0.14732086	CTSIG	0.98182286E-1	LTOT	-3.7422789	ZITR	0.0
MUYS	0.17982000E-1	CMSIG	-0.30837924E-2	DTOT	25.352659	LITR	0.0
MUZS	0.16856578E-2	COMSIG	0.79665479E-6	TTR	815.17476	MITR	0.0
LAMBMR	-0.24070464E-1	NZ	0.99789500	MPMR	1116.0431	NITR	0.0
DLBMMR	0.25686121E-1	VC	0.35762706E-5	KTRBLK	1.0	AXP	2.0511786
XMR	1630.7650	MBAR	-644.82196	VXBDOT	-0.94853992E-4	AYP	-0.31462543E-2
YMR	-484.97912	JBAR	484.97912	VYBDOT	-0.25446759E-2	AZP	-32.106226
ZMR	-18796.090	TBAR	18857.145	VZBDOT	0.18246533E-2	VXP	101.19230
LMR	-4960.4311	LBARM	-1278.6740	PDOT	-0.58966543E-3	VYP	12.318592
MMR	15122.247	MBARM	-6114.2667	QDOT	0.11813627E-3	VZP	6.4652500
NMR	23160.681	QBAR	23930.749	RDOT	-0.19525591E-3	RSTR.	0.0
XWF	-386.45189	XT	-27.321138	XTR	0.0	PSIDMG	-150.0
YWF	-260.92967	YT	-101.67155	YTR	766.87267	BTR	4.0
ZWF	180.00562	ZT	-72.987855	ZTR	-270.82746	MADD	0.0
LWF	477.86488	LT	-225.51177	LTR	4705.2320	YADD	0.0
MWF	-4303.4137	MT	-2094.9165	MTR	-8639.0048	YADD	0.0
NWF	-2260.9581	NT	2037.2036	NTR	-23735.422	ZADD	0.0
XMT	-27.610196	XVT	0.28925771	ALFMTT	1.5276435	NADD	0.0
YMT	-1.2684584	YVT	-100.41109	ALFVTT	7.3863554	LADD	0.0
ZMT	-72.837181	ZVT	-0.69874636E-1	AABB1F	2.5251349		

WEIGHT	19900.0	FSCG	369.2000	V	80.0	PSITR2	0.0
Ix	6268.0	WLCG	245.4999	DELS	-5.0	VXSTR.	0.0
Iy	41587.0	RHO	0.23780070E-2	VSOUND	1117.0	VYSTR.	0.0
Iz	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	TWSTTR	-18.0	WLVT	273.2
KFR	15.0	PASCNT	1343.0	WLMT	234.0	FSVT	695.0
FSMT	700.00000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.0331856	AIS	-1.7480658	IHT	1.3570012	XA	43.542590
LNGSTK	0.0954724	BIS	0.4832327	IS	-3.0	XB	21.394099
COLSTK	17.614760	THETA0	17.614760	TH75MR	7.5347601	XC	44.592251
PEDAL	10.707488	THETTR	19.249200	TH75TR	5.7692003	XP	51.919404
XAIN	4.3542590	XBIN	2.1394299	XCIN	4.4592251	XPIN	2.0035964
XBACTP	25.418750	XBACTI	2.5418750	PSTR.	0.0	PSTR	0.0
VXB	134.61045	THETAB	5.3136714	AA2F	4.4686576	QSTR	0.0
VYB	11.327554	PHIB	0.0	AA1F	-5.0645158	RSTR	0.0
VZB	12.520339	BETAWF	4.4032369	BB1F	0.10794234	TITR	0.0
P	0.0	GAMC	0.0	AA2L	-4.6959494	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.35220570	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.36514841	MHITR	0.0
ALFSF	-0.45797920	EKTX	1.4013349	EKWFX	0.91945726	LMITR	0.0
CHIPP	81.496714	EKTZ	1.6827715	EKWFZ	1.2085032	QMITR	0.0
EKTW	0.0	EPSWT	0.49403038	SIGWT	0.77493489	XITR	0.0
QSF	25.881134	KQHT	0.87177979	KQVT	0.82751174	YITR	0.0
MUXS	0.19626972	CTSIG	0.98966781E-1	LTOT	2.2116403	ZITR	0.0
MUYS	0.16459935E-1	CMSIG	-0.66453533E-2	DTOT	24.462687	LITR	0.0
MUZS	0.79301624E-2	CQMSIG	0.79452923E-6	TTR	816.24388	MITR	0.0
LAMSMR	-0.11002858E-1	NZ	0.99562643	HPMR	1088.4997	NITR	0.0
DSSMMR	0.19733020E-1	VC	0.71525573E-5	RTRBLR	1.0	AXP	2.9790160
XMR	2382.9949	MBAR	-1389.5454	VXBDOT	0.15337902E-2	AYP	-0.20954962E-1
YMR	-339.76671	JBAR	339.76671	VYBDOT	-0.10671942E-1	AZP	-32.032237
ZMR	-18920.916	TBAR	19021.183	VZBDOT	0.10621177E-2	VXP	134.61045
LMR	-4910.5807	LBARM	-1651.7616	PDOT	-0.54754573E-2	VYP	11.327554
MMR	4612.1185	MBARM	-12314.596	QDOT	0.12814745E-2	VZP	12.520339
NMR	22659.857	NBAR	23349.150	RDOT	0.80153349E-4	RSTR.	0.0
XSF	-612.37447	XT	-2.0459718	XTR	2.2	PSIDMG	-150.0
YSF	-298.55915	YT	-135.00089	YTR	767.07534	BTR	4.0
ZSF	-52.349173	ZT	248.32375	ZTR	-279.19314	MADD	0.0
LSF	468.66864	LT	-299.99599	LTR	4711.4030	XADD	0.0
MSF	-2969.1767	MT	7052.3756	MTR	-8652.3342	YADD	0.0
NSF	-2646.2677	NT	3749.4577	NTR	-23766.552	ZADD	0.0
XMT	2.8451756	XVT	-4.4911475	ALFMTT	-3.8489646	NADD	0.0
YMT	-1.5574429	YVT	-133.52344	ALFVTT	4.8542196	LADD	0.0
ZMT	247.94613	ZVT	0.37761892	AAB1F	5.2656662		

WEIGHT	19900.0	FSCG	360.20000	V	100.0	PSITR2	0.0
IX	6248.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	110.32250	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	734.0	WLHT	234.0	FSVT	695.0
FSMI	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.0312716	A1S	-1.8287807	IHT	-1.0411474	XA	43.554552
LNGSTK	9.0182219	B1S	10.041302	IS	-3.0	XB	18.133491
COLSTK	18.222806	THETA0	18.222806	TH75MR	8.1428064	XC	48.392540
PEDAL	9.7795515	THETTR	19.270919	TH75TR	5.5709190	XP	54.492261
XAIN	0.3554551	XBIN	1.0133490	XCIN	4.8392540	XPIN	2.9425055
XBACTP	20.353826	XBACTI	2.0353826	RSTR.	0.0	PSTR	0.0
VXB	168.49340	THETAB	4.4169825	AA2F	4.4330706	QSTR	0.0
VYB	10.538105	PHIB	0.0	AA1F	-5.4631660	RSTR	0.0
VZB	13.015705	BETAWF	3.3736848	BB1F	0.16941802	TITR	0.0
P	0.0	GAMC	0.0	AA2L	-5.0802782	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.37887204	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.41786320	MHITR	0.0
ALFWF	0.65760469	EKTX	1.3595830	EKWFX	0.92951579	LHITR	0.0
CHITPP	82.270446	EKTZ	1.6465924	EKWFZ	1.0077295	QHITR	0.0
EATR	0.0	EPSWT	0.48373684	SIGWT	0.59376852	XITR	0.0
QWF	38.065721	KQHT	0.87177979	KQVT	0.83247253	YITR	0.0
MUXS	0.24547190	CTSIG	0.90885233E-1	LTOT	3.5331622	ZITR	0.0
MUYS	0.15312795E-1	CHSIG	-0.67155750E-2	DTOT	24.452018	LITR	0.0
MUZS	0.60722517E-2	CQHSIG	0.79018591E-6	TTR	898.59902	MITR	0.0
LAMBMR	-0.97344651E-2	NZ	0.99679045	HFMR	1177.5302	NITR	0.0
DASMMR	0.15886716E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.4621393
XMR	2396.7646	MBAR	-1404.2288	VXBDOT	-0.13490322E-1	AYP	-0.43255973E-1
YMR	-349.46253	JBAR	349.46253	VYBDOT	-0.17294303E-1	AZP	-32.073531
ZMR	-19993.121	TBAR	19804.131	VZBDOT	0.68194110E-2	VXP	168.49340
LMR	-5410.4126	LBARH	-1993.9741	PDOT	-0.11931120E-1	VYP	10.538105
MMR	3615.9116	MBARH	-13198.757	QDOT	0.87663020E-3	VZP	13.015705
NMR	24531.416	QBAR	25249.187	RDOT	0.16261166E-2	RSTR.	0.0
XWF	-910.88444	XT	-23.801894	XTR	0.0	PSIDMG	-150.0
YWF	-336.79717	YT	-168.47020	YTR	844.46965	BTR	4.0
ZWF	-144.97466	ZT	328.72285	ZTR	-327.36241	MADD	0.0
LWF	520.54290	LT	-375.38099	LTR	5186.7612	XADD	0.0
MWF	-3389.3500	MT	9333.0069	MTR	-9523.1120	YADD	0.0
NWF	-2979.0364	NT	4721.0222	NTR	-26164.484	ZADD	0.0
XHT	-12.257189	XVT	-11.544704	ALFHTT	-3.2744823	NADD	0.0
YHT	-1.5633538	YVT	-146.90685	ALFVTT	3.5723947	LADD	0.0
ZHT	328.27262	ZVT	0.45023384	AARB1F	5.4657922		

WEIGHT	19900.0	FSCG	360.20000	V	120.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41567.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	THSTMR	-14.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	THSTTR	-14.0	WLVT	273.0
KFR	15.0	PASCNT	734.0	WLHT	234.0	FSVT	695.0
FSHT	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.2412029	AIS	-2.1545959	IHT	-2.7932671	XA	42.242481
LNGSTK	10.556190	RIS	12.005467	IS	-3.0	XB	12.698972
COLSTK	19.347892	THETA0	19.347892	TH75MR	9.2670929	XC	55.424332
PEDAL	9.0998772	THETTR	19.740548	TH75TR	5.2405486	XP	56.378694
XAIN	8.2242481	XBIN	1.2698972	XCIN	5.5424332	XPIN	3.0443703
XBACTP	13.182046	XBACTI	1.3182046	RSTR.	0.0	PSTR	0.0
VXB	202.37653	THETAB	3.6998997	AAOF	4.4399446	QSTR	0.2
VYB	11.282683	PHIB	0.0	AA1F	-6.3350158	RSTR	0.0
VZB	13.084149	RETAWF	3.0600500	RB1F	0.72793074E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-6.0197218	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.42263358	JITR	0.0
R	0.0	PSIDOT	0.0	RB1L	0.52650967	HHITR	0.0
ALFWF	1.0588231	EKTX	1.4151984	EKWFX	0.92336560	LHITR	0.0
CHITPP	81.797354	EKTZ	1.6414714	EKWFZ	1.0382026	QHITR	0.0
EKTR	0.0	EPSWT	0.48060049	SIGWT	0.53456879	XITR	0.0
QWF	52.995278	KQHT	0.87177979	KQVT	0.83397817	YITR	0.0
MUXS	0.29464009	CTSIG	0.91227919E-1	LTOT	4.1299011	ZITR	0.0
MUYS	0.16398733E-1	CHSIG	-0.73962822E-2	DTOT	24.509656	LITR	0.0
MUZS	0.35948713E-2	CQHSIG	0.79141118E-6	TTR	1079.6846	MITR	0.0
LAMBMR	-0.96315197E-2	NZ	0.99795217	HPMR	1392.9969	NITR	0.0
DWBMR	0.13226391E-1	VC	0.1430514E-4	KTRBLK	1.0	AXP	2.0579582
XMR	2542.6446	HBAR	-1546.5649	VXBDOT	-0.12965316E-1	AYP	-0.5249?1133E-1
YMR	-378.97399	JBAR	378.97399	VYBDOT	-0.22267180E-1	AZP	-32.108374
ZMR	-18967.224	TBAR	19075.787	VZBDOT	-0.12950347E-2	VXP	202.37653
LMR	-6486.3585	LBARM	-2451.9144	PDOT	-0.14160191E-1	VYP	11.282683
MMR	777.58178	MBARM	-15267.140	QDOT	0.22708711E-2	VZP	13.084149
NMR	29061.721	QBAR	29869.330	RDOT	0.16331273E-2	RSTR.	0.0
XWF	-1273.6238	XT	-45.203449	XTR	0.0	PSIDMG	-150.0
YWF	-425.57035	YT	-223.31336	YTR	1014.6471	BTR	4.0
ZWF	-242.51184	ZT	538.12750	ZTR	-369.32208	HADD	0.0
LWF	659.48979	LT	-497.65230	LTR	6231.9973	XADD	0.0
MWF	-4283.9240	MT	15942.990	MTR	-11442.209	YADD	0.0
NWF	-3760.8431	NT	6231.3654	NTR	-31437.151	ZADD	0.0
XMT	-27.094164	XVT	-18.189285	ALFHTT	-3.8656490	NADD	0.0
YMT	-2.8583715	YVT	-221.26298	ALFVTT	3.1708531	LADD	0.0
ZMT	529.78858	ZVT	8.33908129	AABB1F	6.3354340		

WEIGHT	19900.0	FSCG	360.20000	V	140.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	PHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	545.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.7426680	A1S	-2.8255822	IMT	-3.9155398	XA	39.108325
LNGSTK	12.602532	B1S	14.787116	IS	-3.0	XB	5.4680836
COLSTK	20.993729	THETA0	20.993729	TM75MR	10.913729	XC	65.710812
PEDAL	0.4970889	THETTR	21.113564	TM75TR	7.6135644	XP	58.047546
XAIN	3.9108324	XBIN	0.54480836	XCIN	6.5710812	XPIN	3.1344859
XBACTP	4.2752385	XBACTI	0.42752385	RSTR.	0.0	PSTR	0.0
VXB	236.22823	THETAB	3.1344648	AA0F	4.4791231	QSTR	0.0
VYB	12.850036	PHIB	0.0	AA1F	-7.5695760	RSTR	0.0
VZB	12.936897	BETAWF	3.0183830	BB1F	-0.20722963	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-7.5788539	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.49829679	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.68751014	MMITR	0.0
ALFWF	1.1764397	EKTX	1.4998578	EKWFX	0.90869129	LMITR	0.0
CMIIPP	80.668562	EKTZ	1.6719488	EKWFZ	1.0093314	OMITR	0.0
EKTR	0.0	EPSWT	0.48018382	SIGWT	0.53123541	XITR	0.0
QWF	70.645015	KQMT	0.87177979	KQVT	0.83417800	YITR	0.0
MUXS	0.34378716	CTSIG	0.91857916E-1	LTOT	4.3249443	ZITR	0.0
MUYS	0.18672235E-1	CMSIG	-0.855781765-2	DTOT	24.536608	LITR	0.0
MUZS	0.80690789E-3	COMSIG	0.79839468E-6	TTR	1373.4589	MITR	0.0
LAMBMR	-0.10601267E-1	NZ	0.99977889	MPMR	1754.9047	NITR	0.0
DWSMMR	0.11408175E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	1.7454404
XMR	2792.8645	MBAR	-1789.4423	VXBDOT	-0.34997869E-1	AYP	0.53346055E-1
YMR	-412.42414	JBAR	412.42414	VYBDOT	0.33907549E-1	AZP	-32.191099
ZMR	-19086.055	TBAR	19207.519	VZBDOT	-0.43440247E-1	VXP	236.22823
LMR	-8042.7057	LBARM	-3402.7019	PDOT	0.15292613E-1	VYP	12.850036
MMR	-3476.6411	MBARM	-18220.176	QDOT	-0.12315566E-1	VZP	12.936897
NMR	36705.714	QBAR	37629.536	RDOT	0.35135876E-2	RSTR.	0.0
XWF	-1699.4948	XT	-69.632660	XTR	0.0	PSIDMG	-150.0
YWF	-559.69824	YT	-298.48634	YTR	1290.7252	BTR	4.0
ZWF	-348.68588	ZT	812.66837	ZTR	-469.78647	MADD	0.0
LWF	867.61338	LT	-664.83744	LTR	7927.6781	XADD	0.0
MWF	-5531.2277	MT	23051.252	MTR	-14555.550	YADD	0.0
NWF	-4944.7711	NT	8329.0489	NTR	-39990.969	ZADD	0.0
XMT	-44.626938	XVT	-25.805721	ALFMTT	-4.4857417	NADD	0.0
YMT	-2.8443798	YVT	-295.64196	ALFVTT	3.0883836	LADD	0.0
ZMT	812.41951	ZVT	0.24886309	AABB1F	7.5724115		

WEIGHT	19900.0	FSCG	360.20000	V	150.0	PSITR2	0.0
IX	6248.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000002E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	110.32250	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KPR	15.0	PASCNT	3294.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-2.2161589	A1S	-3.4129692	IHT	-4.3206919	XA	36.149006
LNGSTK	14.149999	B1S	15.799999	IS	-3.0	XB	0.0
COLSTK	22.099517	THETAW	22.099517	TH75MR	12.019517	XC	72.621986
PEDAL	8.3825631	THETTR	22.325984	TH75TR	8.8259444	XP	58.365038
XAIN	3.6149006	XBIN	0.0	XCIN	7.2621984	XPIN	3.1516301
XBACTP	-2.2396354	XBACTI	-0.22396354	RSTR.	0.0	PSTR	0.0
VXB	253.29089	THETAB	2.3192952	AA0F	4.5582531	QSTR	0.0
VYB	13.781456	PHIB	0.0	AA1F	-7.6023783	RSTR	0.0
VZB	10.258742	RETAWF	3.0307912	BB1F	-0.37113694	TITR	0.0
P	0.0	GAMC	0.0	AA2L	-8.8421291	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.55803757	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.68178652	MMITR	0.0
ALFAF	0.60601377	EKTX	1.5467929	EKWFX	0.90055587	LMITR	0.0
CHITPP	80.042760	EKTZ	1.6888454	EKWFZ	1.0099572	QMITR	0.0
EXTR	0.0	EPSWT	0.48030791	SIGWT	0.53341925	XITR	0.0
QAF	80.600742	KQWT	0.87177979	KQVT	0.83411850	YITR	0.0
MUXS	0.36830113	CTSIG	0.93234225E-1	LTOT	3.3031428	ZITR	0.0
MUYS	0.20026251E-1	CHSIG	-0.83591531E-2	DTOT	24.367962	LITR	0.0
MUZS	-0.43766047E-2	CQHSIG	0.81249943E-6	TTR	1597.6634	MITR	0.0
LAMBMR	-0.15174622E-1	NZ	1.0002731	MPMR	2033.4914	NITR	0.0
DASHMR	0.10790217E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	1.0820484
XMR	2765.6458	MBAR	-1747.9015	VXBDOT	-0.20309890E-1	AYP	0.12180908
YMR	-482.65884	JBAR	482.65884	VYBDOT	0.59411686E-1	AZP	-31.899429
ZMR	-19375.599	TBAR	19495.306	VZBDOT	-0.35327247E-1	VXP	253.29089
LMR	-9240.3632	LBARM	-4066.7678	PDOT	0.33700084E-1	VYP	13.781856
MMR	-2859.7866	MBARM	-14239.872	QDOT	0.10944975	VZP	10.258742
NMR	42530.435	QBAR	43603.132	RDOT	-0.13412590E-3	RSTR.	0.0
XMF	-1929.8338	XT	-75.399421	XTR	0.0	PSIDMG	-150.0
YMF	-640.47434	YT	-343.04360	YTR	1521.4242	RTR	4.0
ZMF	-286.69081	ZT	1115.5512	ZTR	-546.47477	MADD	0.0
LMF	992.91432	LT	-762.80780	LTR	9221.7983	XADD	0.0
MMF	-7342.6055	MT	31444.102	MTR	-16931.699	YADD	0.0
NMF	-5666.7463	NT	9572.5640	NTR	-44519.125	ZADD	0.0
XMT	-46.718259	XVT	-28.689141	ALFMTT	-5.4967124	NADD	0.0
YMT	-3.6612336	YVT	-339.38236	ALFVTT	3.2894679	LADD	0.0
ZMT	1115.0977	ZVT	0.54353510	AABB1F	7.4114321		

WEIGHT	19900.0	FSCG	368.20000	V	40.0	PSITR2	0.0
IX	6268.0	WLCG	245.99999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1007.0	WLHT	234.0	FSVT	695.0
FSHT	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.8691673	A1S	-2.6567322	IHT	28.714152	XA	38.317704
LNGSTK	4.1675690	B1S	4.3391650	IS	-3.0	XB	35.273604
COLSTK	18.126260	THETA0	18.126260	TH75MR	8.0442609	XC	47.789131
PEDAL	12.762309	THETTR	21.937822	TH75TR	8.4378721	XP	46.223361
XAIN	3.8317704	XBIN	3.5273604	XCIN	4.7789131	XPIN	2.4959965
XBACTP	41.820482	XBACTI	4.1820482	RSTR.	0.0	PSTR	0.0
VXB	67.405900	THETAB	4.3338896	AA0F	4.6145207	QSTR	0.0
VYB	0.0	PHIB	-1.3741857	AA1F	-2.5366971	RSTR	0.0
VZB	5.1086221	BETAWF	0.0	BB1F	-0.19851861	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-5.8288369	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.29556190	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.13382036	MHITR	0.0
ALFWF	-13.715266	EKTX	1.1083357	EKWFX	0.76153832	LHITR	0.0
CHITPP	67.810641	EKTZ	2.0450841	EKWFZ	1.0243787	QHITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	9.5327540	KQHT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.98193366E-1	CTSIG	0.91022367E-1	LTOT	-21.916640	ZITR	0.0
MUYS	0.0	CHSIG	-0.32369161E-2	DTOT	26.858188	LITR	0.0
MUZS	0.22865483E-2	CQHSIG	0.82252902E-6	TTR	972.90912	MITR	0.0
LAMGMR	-0.35075828E-1	NZ	0.99705450	HPMR	1350.3658	NITR	0.0
DWSMMR	0.37362377E-1	VC	0.11183023	KTRBLK	1.0	AXP	2.4749037
XMR	1671.9300	MBAR	-676.84018	VXBDOT	0.42745251E-1	AYP	0.76263865
YMR	-455.56431	JBAR	455.56431	VYBDOT	-0.89118836E-2	AZP	-32.079715
ZMR	-18969.822	TBAR	19032.806	VZBDOT	-0.93508340E-2	VXP	67.405900
LMR	-5595.1043	LBARH	-1346.8160	PDOT	0.30914651E-3	VYP	0.0
MMR	15231.157	MBARH	-6045.9067	QDOT	-0.24649542E-3	VZP	5.1086221
NMR	28798.903	NBAR	28955.214	RDOT	-0.65380024E-3	PSTR.	0.0
XWF	-199.19360	XT	-4.8711225	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-7.5864569	YTR	914.30350	BTR	4.0
ZWF	263.67518	ZT	7.1504856	ZTR	-332.77990	MADD	0.0
LWF	0.0	LT	-17.132748	LTR	5615.6831	XADD	0.0
MWF	-5134.6506	MT	203.87240	MTR	-10310.630	YADD	0.0
NWF	0.0	NT	211.66214	NTR	-28328.169	ZADD	0.0
XHT	-2.8771792	XVT	-1.9939432	ALFHTT	-0.10366430	NADD	0.0
YHT	0.0	YVT	-7.5864569	ALFVTT	0.0	LADD	0.0
ZHT	6.8535038	ZVT	1.0949817	AAB1F	2.5444532		

WEIGHT	19900.0	FSCG	360.20000	V	1.0E-2	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	118.32250	NBSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	982.0	WLHT	234.0	FSVT	695.0
FSHT	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.36749148	A1B	-1.3241685	IHT	30.697228	XA	47.703178
LNGSTK	3.0944746	B1B	2.0743218	IS	-3.0	XB	39.065460
COLSTK	19.768126	THETA0	19.768126	TH75MR	9.6881264	XC	58.050790
PEDAL	18.706017	THETTR	29.851769	TH75TR	16.351769	XP	29.746014
XAIN	4.7703177	XBIN	3.9065459	XCIN	5.8050790	XPIN	1.6062430
XBACTP	46.041374	XBACTI	4.6041374	RSTR.	0.0	PSTR	0.0
VXB	0.16822472E-1	THETAB	5.4629340	AA0F	4.6820725	QSTR	0.0
VYB	0.0	PHIB	-2.6765260	AA1F	-2.2182575	RSTR	0.0
VZB	0.16088999E-2	BETAWF	0.0	BB1F	-1.4645583	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-0.0651009	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	-0.22487871E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.21044385	MHITR	0.0
ALFWF	-10.260523	EKTX	-0.25213616	EKWFX	0.79995393E-5	LHITR	0.0
CHITPP	-2.1910892	EKTZ	0.20412232	EKWFZ	0.11099360E-3	QHITR	0.0
EKTR	0.0	EPSHT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.36167898E-6	KQHT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.24531487E-4	CTSIG	0.88923843E-1	LTOT	-13.625257	ZITR	0.0
MUYS	0.0	CHSIG	-0.49484397E-2	DTOT	25.186093	LITR	0.0
MUZS	0.10551983E-5	CQHSIG	0.83457081E-6	TTR	1347.8544	MITR	0.0
LAMBMR	-0.61719096E-1	NZ	0.99428142	HPMR	1869.0108	NITR	0.0
DWSMMR	0.61720152E-1	VC	0.11069350E-3	KTRBLK	0.79599999	AXP	3.0681585
XMR	1816.7305	MBAR	-844.85722	VXBDOT	0.51284425E-2	AYP	1.5337919
YMR	-357.41280	JBAR	357.41280	VYBDOT	0.37104675E-3	AZP	-31.989777
ZMR	-18522.695	TBAR	18593.836	VZBDOT	-0.49957807E-3	VXP	0.16822472E-1
LMR	-7775.9733	LBARH	-3538.8776	PDOT	0.41539030E-3	VYP	0.0
MMR	18141.985	MBARH	-5526.8327	QDOT	-0.93072853E-5	VZP	0.16088999E-2
NMR	39243.880	QBAR	40076.256	RDOT	-0.24697855E-4	PSTR.	0.0
XWF	-0.82862249E-5	XT	3.5121724	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-0.47453867E-6	YTR	1266.6630	BTR	4.0
ZWF	0.64712318E-5	ZT	4.8799329	ZTR	-461.02855	MADD	0.0
LWF	0.0	LT	-0.10716665E-5	LTR	7779.8875	XADD	0.0
MWF	-0.15602244E-3	MT	141.82900	MTR	-14284.201	YADD	0.0
NWF	0.0	NT	0.13239628E-4	NTR	-39245.443	ZADD	0.0
XHT	3.5121724	XVT	-0.11058805E-6	ALFHTT	-8.3330001	NADD	0.0
YHT	0.0	YVT	-0.47453867E-6	ALFVTT	0.0	LADD	0.0
ZHT	4.8799329	ZVT	0.89442796E-7	AABB1F	2.4581191		

WEIGHT	19900.0	FSCG	369.20000	V	1.0E-2	PSITR2	0.0
IX	6260.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	116.32250	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	2623.0	WLHT	234.0	FSVT	695.0
FSHT	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	0.13636255	A1S	-0.82912048	IHT	33.328845	XA	50.852266
LNGSTK	7.7839550	B1S	3.7938576	IS	-3.0	XB	22.494858
COLSTK	19.853621	THETA0	19.853621	TH75MR	9.7736216	XC	58.585136
PEDAL	29.436000	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	5.0852265	XBIN	2.2494858	XCIN	5.8585135	XPIN	0.0
XBACTP	30.149089	XBACTI	3.0149089	RSTR.	0.0	PSTR	0.0
VXB	0.16763858E-1	THETAB	7.2479777	AA0F	4.7528417	QSTR	0.0
VYB	0.0	PHIB	-1.4729578	AA1F	-4.0797753	RSTR	0.0
VZB	0.21320109E-2	BETAWF	0.0	BB1F	-0.96107339	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-7.4819529	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.58621463E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.34473497	MHITR	0.0
ALFWF	-8.6804928	EKTX	-0.12893497	EKWFX	0.79995393E-5	LHITR	0.0
CHITPP	-4.8527791	EKTZ	0.39700355E-1	EKWFZ	0.11999360E-3	QHITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.35600529E-6	KQHT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.24486219E-4	CTSIG	0.90029798E-1	LTOT	-10.888788	ZITR	0.0
MUYS	0.0	CHSIG	-0.69166299E-2	DTOT	24.669425	LITR	0.0
MUZS	0.18186813E-5	CQHSIG	0.84718447E-6	TTR	593.69585	MITR	0.0
LAMBMR	-0.62080978E-1	NZ	0.99162015	HPMR	1748.8470	NITR	0.0
DWSHMR	0.62082797E-1	VC	0.49767550E-4	KTRBLK	0.79599999	AXP	3.8408287
XMR	2408.5035	HBAR	-1425.3594	VXBDOT	-0.73470692E-3	AYP	-0.48010424
YMR	-73.100026	JBAR	73.100026	VYBDOT	-0.31529178E-2	AZP	-31.904845
ZMR	-18723.402	TBAR	18825.259	VZBDOT	-0.20884338E-2	VXP	0.16763858E-1
LMR	-4648.4345	LBARH	-2242.3203	PDOT	-0.18408023E-2	VYP	0.0
MMR	6342.4365	MBARH	-10105.101	QDOT	0.12423674E-3	VZP	0.21320109E-2
NMR	37207.324	QBAR	37499.645	RDOT	0.52104568	RSTR.	0.0
XWF	-0.80972089E-5	XT	-0.90238589	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-0.47546759E-6	YTR	557.93309	BTR	2.0
ZWF	0.51568951E-5	ZT	-1.5712545	ZTR	-203.07143	MADD	0.0
LWF	0.0	LT	-0.10737643E-5	LTR	3426.8439	XADD	0.0
MWF	-0.13553640E-3	MT	-45.439933	MTR	-6291.8297	YADD	0.0
NWF	0.0	NT	0.13265545E-4	NTR	-17286.626	ZADD	0.0
XHT	-0.99238575	XVT	-0.13621705E-6	ALFHTT	16.081275	NADD	0.0
YHT	0.0	YVT	-0.47546759E-6	ALFVTT	0.0	LADD	0.0
ZHT	-1.5712546	ZVT	0.42299486E-7	AABB1F	4.1914470		

WEIGHT	19900.0	FSCG	360.20000	V	40.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	110.32250	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	4650.0	WLHT	230.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.8257474	A1S	-2.6124145	IMT	28.898258	YA	38.589078
LNGSTK	0.8968583	B1S	4.4038614	IS	-3.0	XB	18.542337
COLSTK	18.119485	THETA0	18.119485	TH75MR	8.0394855	XC	47.746785
PEDAL	29.436000	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	3.8589078	XBIN	1.8562337	XCIN	4.7746784	XPIN	0.0
XBACTP	25.159423	XBACTI	2.5159423	RSTR.	0.0	PSTR	0.0
VXB	67.392324	THETAB	4.4660155	AA0F	4.6140782	QSTR	0.0
VYB	0.0	PHIB	-1.2494472	AA1F	-2.6150344	RSTR	0.0
VZB	5.2639111	BETAWF	0.0	BB1F	-0.14973264	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-5.7752445	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.30263166	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.13951417	MHITR	0.0
ALFWF	-13.628433	EKTX	1.1119591	EKWFX	0.76184621	LMITR	0.0
CMITPP	67.834324	EKTZ	2.0426597	EKWFZ	1.0243313	QMITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	9.5275253	KQHT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.98185476E-1	CTSIG	0.91025017E-1	LTOT	-21.708241	ZITR	0.0
MUYS	0.0	CHSIG	-0.33446684E-2	DTOT	26.816161	LITR	0.0
MUZS	0.25129026E-2	CQHSIG	0.82245016E-6	TTR	915.57033	MITR	0.0
LAMBMR	-0.34875999E-1	NZ	0.99664761	MPMR	1337.4117	NITR	0.0
DWSMMR	0.37388902E-1	VC	0.10474920	RTRBLK	1.0	AXP	2.4865085
XMR	1694.4574	MBAR	-699.37122	VXBDOT	-0.32944787E-2	AYP	0.60778162
YMR	-438.06373	JBAR	438.06373	VYBDOT	-0.26279674E-3	AZP	-32.065842
ZMR	-18969.196	TBAR	19033.360	VZBDOT	-0.16534635E-2	VXP	67.392324
LMR	-5353.1528	LBARM	-1224.2850	PDOT	-0.15701076E-3	VYP	0.0
MMR	14900.581	MBARM	-6239.3115	QDOT	0.14667156E-3	VZP	5.2639111
NMR	27848.737	QBAR	28677.444	RDOT	0.36663021E-1	PSTR.	0.0
XWF	-199.56271	XT	-10.495076	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-7.5867556	YTR	860.41864	BTR	2.0
ZWF	261.20418	ZT	-2.8503125	ZTR	-313.16738	MADD	0.0
LWF	0.0	LT	-17.133423	LTR	5284.7205	XADD	0.0
MWF	-5106.2943	MT	-85.217752	MTR	-9702.9694	YADD	0.0
NWF	0.0	NT	211.67048	NTR	-24658.637	ZADD	0.0
XMT	-8.4987609	XVT	-1.9963154	ALFMTT	0.19954133	NADD	0.0
YMT	0.0	YVT	-7.5867556	ALFVTT	0.0	LADD	0.0
ZMT	-3.9431992	ZVT	1.0928866	AABB1F	2.6193175		

WEIGHT	19900.0	FSCG	360.20000	V	40.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSIMR	-10.0	PSTR.	0.0
OMEGTR	114.32250	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	3038.0	WLHT	234.0	FSVT	495.0
FSHT	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.1511648	A1S	-1.8700291	IHT	14.765413	XA	42.805220
LNGSTK	0.9789280	B1S	5.2944673	IS	-3.0	XB	14.738769
COLSTK	17.459265	THETA0	17.459265	TH75MR	7.3792651	XC	43.620407
PEDAL	29.436000	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	4.2805219	XBIN	1.4738769	XCIN	4.3620407	XPIN	0.0
XBACTP	19.520119	XBACTI	1.9520119	RSTR.	0.0	PSTR	0.0
VXB	101.20600	THETAB	3.5078164	AAQF	4.4593772	QSTR	0.0
VYB	15.065280	PHIB	0.0	AA1F	-2.2976745	RSTR	0.0
VZB	6.2043178	RETAWF	7.3236017	BB1F	-0.55862662E-1	TITR	0.0
P	0.0	GAMC	0.0	AAQL	-4.8709755	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.26150579	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.85494901E-1	MHITR	0.0
ALFWF	-5.6729245	EKTX	1.3554988	EKWFX	0.88184741	LHITR	0.0
CHITPP	78.349765	EKTZ	1.8546667	EKWFZ	1.0116502	QHITR	0.0
EKTH	0.0	EPSWT	0.52323601	SIGWT	1.1681266	XITR	0.0
QWF	16.627011	KQHT	0.87177979	KQVT	0.77223721	YITR	0.0
MUXS	0.14732010	CTSIG	0.90065102E-1	LTOT	-3.6119588	ZITR	0.0
MUYS	0.21891180E-1	CHSIG	-0.28275913E-2	DTOT	26.173346	LITR	0.0
MUZS	0.13868063E-2	CQHSIG	0.79487501E-6	TTR	947.90642	MITR	0.0
LAMHMR	-0.24251926E-1	NZ	0.99886743	HPMR	1134.3126	NITR	0.0
OWBMMR	0.25557933E-1	VC	0.0	KTRBLK	1.0	AXP	2.0086864
XMR	1575.9885	HBAR	-591.25023	VXBDOT	0.13936438E-2	AYP	0.23517780
YMR	-451.72947	JBAR	451.72947	VYBDOT	0.90582442E-3	AZP	-32.110970
ZMR	-18774.426	TBAR	18832.641	VZBDOT	0.62550137E-3	VXP	101.20600
LMR	-5578.6198	LBARH	-1594.1648	PDOT	0.10340231E-2	VYP	15.065280
MMR	15933.900	MBARH	-5595.6919	QDOT	0.16919067E-3	VZP	6.2043178
NMR	2345.871	QBAR	24322.492	RDOT	-0.93570869E-1	RSTR.	0.0
XWF	-389.58300	XT	-17.649534	XTR	0.0	PSIDMG	-150.0
YWF	-321.16253	YT	-117.37749	YTR	890.80690	BTR	2.0
ZWF	99.034804	ZT	-51.491177	ZTR	-324.22782	MADD	0.0
LWF	589.86878	LT	-260.26586	LTR	5471.3662	XADD	0.0
MWF	-4391.8109	MT	-1489.3947	MTR	-10045.658	YADD	0.0
NWF	-2712.4412	NT	3275.4982	NTR	-27600.166	ZADD	0.0
XMT	-21.508308	XVT	3.8587732	ALFMTT	1.0558561	NADD	0.0
YMT	-1.4805063	YVT	-115.89698	ALFVTT	9.4287328	LADD	0.0
ZMT	-50.549835	ZVT	-0.94134230	AABB1F	2.2983534		

WEIGHT	19900.0	FSCG	360.20000	V	80.0	PSITR2	0.0
IX	6268.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	41587.0	RHO	0.23780000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	2579.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.1469044	AIS	-1.8769543	IMT	0.83864964	XA	42.831847
LNGSTK	13.110532	BIS	8.4579651	IS	-3.0	XB	3.6730309
CULSTK	17.567863	THETA0	17.567863	TM75MR	7.4878636	XC	44.299144
PEDAL	29.436000	THETTR	37.5	TM75TR	24.0	XP	0.0
XAIN	4.2831847	XBIN	0.36730300	XCIN	4.0299147	XPIN	0.0
XBACTP	7.6243394	XBACTI	0.76243394	RSTR.	0.0	PSTR	0.0
VXB	134.64921	THETAB	5.1250476	AA0F	4.4558721	QSTR	0.0
VYB	15.445096	PHIB	0.0	AA1F	-4.7721582	RSTR	0.0
VZB	12.076956	RETAWF	5.9965925	BB1F	-0.12280867	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.8759070	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.32841090	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.33471029	MHITR	0.0
ALFWF	-0.60300827	EKTX	1.3003288	EKWFX	0.92117753	LHITR	0.0
CHIPP	81.629042	EKTZ	1.6869439	EKWFZ	1.0083709	QHITR	0.0
EKTH	0.0	EPSWT	0.50996591	SIGWT	1.0035774	XITR	0.0
QWF	26.813894	KQHT	0.87177979	KQVT	0.80257252	YITR	0.0
MUXS	0.19629224	CTSIG	0.90826236E-1	LTOT	2.4757086	ZITR	0.0
MUYS	0.22443087E-1	CHSIG	-0.63126120E-2	DTOT	25.177955	LITR	0.0
MUZS	0.72838734E-2	CQHSIG	0.79425024E-6	TTR	1054.9689	MITR	0.0
LAMBMR	-0.12353283E-1	NZ	0.99614387	HPMR	1124.5401	NITR	0.0
DWSHMR	0.19637156E-1	VC	0.71525573E-5	KTPBLK	1.0	AXP	2.9354164
XMR	2311.9813	HBAR	-1319.9691	VXBDOT	-0.65732426E-2	AYP	0.42255177
YMR	-405.38354	JBAR	405.38354	VYBDOT	0.10056156E-1	AZP	-32.048295
ZMR	-18895.212	TBAR	18991.795	VZBDOT	-0.70052038E-2	VXP	134.64921
LMR	-5934.6869	LBARH	-2242.3624	PDOT	0.59549946E-2	VYP	15.445096
MMR	5660.6145	MBARH	-11649.978	QDOT	-0.33937055E-3	VZP	12.076956
NMR	23291.512	QBAR	24112.946	RDOT	-0.16168933	RSTR.	0.0
XWF	-616.22910	XT	5.4142184	XTR	0.0	PSIDMG	-150.0
YWF	-409.76730	YT	-170.30329	YTR	991.42020	RTR	2.0
ZWF	-57.312014	ZT	299.57867	ZTR	-360.84814	MADD	0.0
LWF	632.45874	LT	-376.76512	LTR	6089.3365	XADD	0.0
MWF	-2995.3109	MT	8500.8413	MTR	-11180.278	YADD	0.0
NWF	-3520.7089	NT	4752.5471	NTR	-30717.502	ZADD	0.0
XMT	6.1732542	XVT	-0.75983575	ALFHTT	-4.1694856	NADD	0.0
YMT	-2.4112292	YVT	-167.89206	ALFVTT	6.8746774	LADD	0.0
ZMT	299.51216	ZVT	0.66518381E-1	AABB1F	4.7737381		

WEIGHT	16450.0	FSCG	360.20000	V	60.0	PSITR2	0.0
IX	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	110.32250	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
N.R	15.0	PASCNT	671.0	WLHT	234.0	FSVT	495.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.94260293	AIS	-1.7481178	IHT	21.823440	XA	44.108731
LNGSTK	4.2111382	BIS	4.5151154	IS	-3.0	XB	35.119652
COLSTK	18.300533	THETA0	18.300533	TH75MR	8.2205332	XC	48.878333
PEDAL	12.436823	THETTR	21.821462	TH75TR	8.3214628	XP	47.125684
XAIN	4.4108731	XBIN	3.5119452	XCIN	4.8878332	XPIN	2.5447207
XBACTP	39.414441	XBACTI	3.9414440	RSTR.	0.0	PSTR	0.0
VXB	101.32364	THETAB	2.2497646	AA0F	3.7145780	QSTR	0.0
VYB	13.342627	PHIB	0.0	AA1F	-1.1332231	RSTR	0.0
VZB	3.9646871	BETAWF	6.3795790	BB1F	0.63350257E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.1586307	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.19218300	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.76642221E-2	MHITR	0.0
ALFWF	-7.6409651	EKTX	1.2795891	EKWFX	0.86924564	LHITR	0.0
CHITPP	77.204151	EKTZ	1.9221221	EKWFZ	1.0127958	QHITR	0.0
EKTR	0.0	EPSWT	0.51379570	SIGWT	1.0510478	XITR	0.0
QWF	12.630386	KQHT	0.87177979	KQVT	0.79393649	YITR	0.0
MUXS	0.14732047	CTSIG	0.99844726E-1	LTOT	-6.9481885	ZITR	0.0
MUYS	0.19388013E-1	CHSIG	-0.11149857E-2	DTOT	26.189206	LITR	0.0
MUZS	-0.19526075E-2	CQHSIG	0.89972114E-6	TTR	705.08276	MITR	0.0
LAMBMR	-0.32402836E-1	NZ	0.99935601	HPMR	970.83558	NITR	0.0
DWSHMR	0.28458229E-1	VC	0.0	KTRBLK	1.0	AXP	1.2634751
XMR	975.39353	MBAR	-171.57349	VXRDOT	0.50835826E-2	AYP	0.55202388E-2
YMR	-368.83724	JBAR	368.83724	VYRDOT	0.10096056E-2	AZP	-32.152876
ZMR	-15332.832	TBAR	15364.269	VZRDOT	-0.35065620E-2	VXP	101.32364
LMR	-4300.4755	LBARM	-978.26990	PDOT	0.22846833E-2	VYP	13.342627
MMR	16862.931	MBARM	-2766.3381	QDOT	-0.19230434E-3	VZP	3.9646871
NMR	20121.478	QBAR	20817.137	RDOT	-0.12201688E-3	RSTR.	0.0
XWF	-294.62806	XT	-66.854969	XTR	0.0	PSIDMG	-150.0
YWF	-212.92153	YT	-88.369834	YTR	662.61033	BTR	4.0
ZWF	128.84113	ZT	-181.96781	ZTR	-241.17090	HADD	0.0
LWF	418.62241	LT	-175.92013	LTR	4069.7751	XADD	0.0
MWF	-4169.9575	MT	-5228.3519	MTR	-7472.2785	YADD	0.0
NWF	-1844.2687	NT	2242.8373	NTR	-29529.876	ZADD	0.0
XMT	-67.913087	XVT	1.0546380	ALFWTT	4.8679609	NADD	0.0
YMT	-1.7112039	YVT	-78.649629	ALFVTT	8.1235955	LADD	0.0
ZMT	-181.68584	ZVT	-0.32196812	AABB1F	1.1349925		

WEIGHT	16450.0	FSCG	362.20000	V	60.0	PSITR2	0.0
Ix	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
Iy	39815.0	RHO	0.17520000E-2	VSOUND	1077.2	VYSTR.	0.0
Iz	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	2078.0	WLMT	234.0	FSVT	695.0
FSMT	700.40020	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.94579690	A1S	-1.7511792	IMT	21.813925	XA	44.088769
LNGSTK	0.4949164	B1S	4.5132879	IS	-3.0	XB	19.982627
COLSTK	18.299245	THETA0	18.299245	THTSMR	0.2192455	XC	48.870285
PEDAL	27.790575	THETTR	37.173670	THTSTR	23.673670	XP	4.5614996
XAIN	4.4088768	XBIN	1.9982627	XCIN	4.8870285	XPIN	0.24631457
XBACTP	24.280559	XBACTI	2.4280559	RSTR.	0.0	PSTR	0.0
VXB	101.32288	THETAB	2.2489515	AAPF	3.7141217	QSTR	0.0
VYB	13.210032	PHIB	0.0	AA1F	-1.1347947	PSTR	0.0
VZB	3.9791581	BETAWF	6.3146594	BB1F	0.64744271E-1	TITR	0.0
P	0.0	GAMC	0.0	AAPL	-4.1567302	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.19240165	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.74881997E-2	MHITR	0.0
ALPWF	-7.6336293	EKTX	1.2797893	EKWFX	0.86930724	LHITR	0.0
CHITPP	77.289758	EKTZ	1.9219297	EKWFZ	1.0127902	QHITR	0.0
EKTW	0.0	EPSWT	0.51314659	SIGWT	1.0432657	XITR	0.0
QWF	12.627252	KQWT	0.47177979	KQVT	0.79536171	YITR	0.0
MUXS	0.14732047	CTSIG	0.99827980E-1	LTOT	-6.9504752	ZITR	0.0
MUYS	0.19195541E-1	CHSIG	-0.11192857E-2	DTOT	26.149549	LITR	0.0
MUZS	-0.19315526E-2	CQWSIG	0.89961062E-6	TTR	703.51300	MITR	0.0
LAMBMR	-0.30385589E-1	NZ	0.99915147	HPMR	970.40505	NITR	0.0
DWSMMR	0.28852036E-1	VC	2.1784393E-5	KTRBLK	1.0	AXP	1.2637517
XMR	975.90710	MBAR	-172.22286	VXBDOT	0.16769313E-2	AYP	0.58936808E-2
YMR	-368.34770	JBAR	368.34770	VYBDOT	0.46688959E-2	AZP	-32.145743
ZMR	-15330.225	TBAR	15361.484	VZBDOT	0.28332278E-2	VXP	101.32288
LMB	-8292.8345	LBARH	-974.07132	PDOT	0.18151293E-2	VYP	13.210032
MMR	16852.569	MBARH	-2769.2469	QDOT	0.80368959E-4	VZP	3.9791581
NMR	20113.295	QBAR	22807.906	RDOT	0.85291750E-3	RSTR.	0.0
XWF	-294.49805	XT	-66.924696	XTR	0.0	PSIDMG	-150.0
YWF	-210.73962	YT	-79.778521	YTR	661.13513	RTR	2.0
ZWF	127.99588	ZT	-181.86710	ZTR	-240.69397	MADD	0.0
LWF	814.13668	LT	-174.67263	LTR	4060.7144	XADD	0.0
MWF	-4168.5865	MT	-5225.2284	MTR	-7455.6426	YADD	0.0
NWF	-1828.0261	NT	2226.5814	NTR	-20484.178	ZADD	0.0
XMT	-67.862962	XVT	0.93835696	ALFMTT	4.8669686	MADD	0.0
YMT	-1.6904175	YVT	-78.788103	ALFVTT	0.0264282	LADD	0.0
ZMT	-181.58116	ZVT	-0.28593661	AABB1F	1.1366401		

WEIGHT	16450.2	FSCG	362.20262	V	82.2	PSITP2	2.2
IX	5132.2	FLCG	245.89959	DELS	-5.2	VXSTP.	2.2
IY	39815.2	PHO	2.1792888E-2	VSOUND	1277.2	VYSTP.	2.2
IZ	37363.2	TIME	2.2672282E-1	DEL3MP	2.2	VZSTP.	2.2
OMEGMP	25.649999	NBSS	4.2	THSTMP	-14.2	PSTP.	2.2
OMEGTH	119.32252	NSSS	5.2	THSITP	-14.2	HLVT	273.2
KFP	15.2	PASCNT	1574.2	HLMT	236.2	FSVT	695.2
FSMT	722.62222	RMT	45.2	SVT	32.392222	QSTP.	2.2
LATSTK	-2.81628921	ALS	-1.6279634	IMT	9.8922768	XA	44.899442
LNGSTK	9.6362964	BLS	6.5884222	IS	-3.2	YB	15.952182
CCLSTK	18.362274	THETAS	18.362274	THTSMP	8.2822743	XC	49.244215
PEDAL	24.796466	THETTP	34.255195	THTSTP	22.755195	YP	12.841869
XAIN	6.6899442	XBIN	1.5952188	XCIN	6.9264215	XPIN	2.6945229Z
XBACTP	18.957479	XBACTI	1.8957479	PSTP.	2.2	PSTP	2.2
VXB	135.24313	THETAB	2.6855455	AA2F	3.6887641	QSTP	2.2
VYB	11.324154	PHIB	2.2	AA1F	-2.3221111	RSTP	2.2
VZB	6.3345513	BETAMF	4.3447165	BB1F	2.16438822	TITP	2.2
P	2.2	GAMC	2.2	AA2L	-3.9767398	HITP	2.2
Q	2.2	CMGRAT	1.2	AA1L	2.23383267	JITP	2.2
R	2.2	PSIDOT	2.2	BB1L	2.72752168E-1	MMITP	2.2
ALFMF	-3.3934359	EKTX	1.3247715	EKMFX	2.91356322	LMITP	2.2
CMITPP	81.281771	EKTZ	1.7852717	EKMFZ	1.2289582	CMITP	2.2
EKTP	2.2	EPSMT	2.49344716	SIGMT	2.76467212	XITP	2.2
GMF	19.546992	KGMT	2.87177979	MGVT	2.82779361	YITP	2.2
MLXS	2.19642712	CTSIG	2.12229982	LTGT	-1.3342366	ZITP	2.2
MLYS	2.16458994E-1	CMSIG	-2.2643338AE-2	QTGT	24.468943	LITP	2.2
MLZS	-2.1778228AE-2	CGMSIG	2.8934A867E-6	TTB	691.72712	MITP	2.2
LAMCMR	-2.22916135E-1	NZ	2.99929615	HPMP	929.59127	NITP	2.2
DCSMMP	2.21837915E-1	VC	2.35762786E-5	MTPBLK	1.2	AXP	1.5293677
XMB	1214.2536	MBAR	-426.99958	VXBDOT	2.162348335E-2	AYP	-2.456986268-2
YMB	-329.79232	JBAR	329.79232	VYBDOT	-2.41774262E-2	AZP	-32.142574
ZMB	-15392.442	TBAR	15434.288	VZBDOT	-2.535377338-2	VXP	135.24313
LMB	-4154.7428	LBARM	-1115.5277	PDOT	-2.18725945E-2	VYP	11.324154
MMB	12687.848	MBARM	-5591.7285	QDOT	2.12113854E-3	VZP	6.3345513
NMB	19296.226	QBAR	19932.756	RDOT	-2.12327281E-2	PSTP.	2.2
XMF	-462.21148	XT	-22.562992	XTP	2.2	PSIDMG	-152.2
YMF	-222.59372	YT	-99.116948	YTP	649.38255	RTP	2.2
ZMF	53.424962	ZT	-49.884247	ZTP	-236.35637	MADD	2.2
LMF	389.68872	LT	-221.24263	LTP	3988.5294	XADD	2.2
MMF	-3958.3284	MT	-1421.5849	MTP	-7323.1683	YADD	2.2
NMF	-1983.5753	NT	2745.7223	NTP	-22122.235	ZADD	2.2
XMT	-17.312146	XVT	-3.2527559	ALFMTT	2.94531571	MADD	2.2
YMT	-2.79891695	VYT	-98.318232	ALFVTT	4.8643142	LADD	2.2
ZMT	-49.596329	ZVT	2.51228176	AABB1F	2.3259782		

WEIGHT	16450.0	FSCG	360.28000	V	100.0	PSITR2	0.0
IX	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17588000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	118.32250	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1301.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTW.	0.0
LATSTK	-0.82013416	A1S	-1.6950889	IMT	1.7115743	XA	44.874161
LNGSTK	12.159046	B1S	9.3162680	IS	-3.0	XB	7.0351728
COLSTK	18.973929	THETAB	18.973929	TM75MR	0.0939298	XC	53.087062
PEDAL	24.411169	THETTR	34.623885	TM75TR	21.103885	XP	13.930001
XAIN	4.4874161	XBIN	0.70351728	XCIN	5.3087262	XPIN	0.75220251
XBACTP	0.8531192	XBACTI	0.88531192	RSTR.	0.0	PSTR	0.0
VXB	168.69628	THETAB	3.3811251	AAPF	3.7014791	QSTR	0.0
VYB	11.332385	PHIB	0.0	AA1F	-4.0857342	RSTR	0.0
VZB	9.9672987	BETAWF	3.5995326	AB1F	0.15721903	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.3326761	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.30046281	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.21517150	MHITR	0.0
ALFWF	-0.73896871	EKTX	1.3153572	EKWFX	0.92816403	LMITR	0.0
CMITPP	52.166465	EKTZ	1.6953143	EKWFZ	1.0070335	QMITR	0.0
ERTR	0.0	EPSWT	0.48599532	SIGWT	0.63351777	XITR	0.0
QWF	28.472930	KQMT	0.87177979	KQVT	0.83130663	YITR	0.0
MUXS	0.24553356	CTSIG	0.10122313	LTOT	1.5531704	ZITR	0.0
MUYS	0.16466954E-1	CMSIG	-0.51501514E-2	DTOT	24.299906	LITR	0.0
MUZS	0.16336345E-2	CQMSIG	0.89654839E-6	TTR	765.63524	MITR	0.0
LAMBMR	-0.16091851E-1	NZ	0.99863286	WPMR	1010.1277	NITR	0.0
DWSMMR	0.17725485E-1	VC	0.0	KTRBLK	1.0	AXP	1.0942200
XMR	1696.5243	MBAR	-792.59293	VXBDOT	-0.66367910E-2	AYP	0.11113894E-2
YMR	-319.95071	JBAR	319.95071	VYBDOT	0.95909241E-3	AZP	-32.134423
ZMR	-15512.138	TBAR	15576.169	VZBDOT	-0.13833867E-1	VXP	168.69628
LMR	-4553.7545	LBARM	-1484.3110	PDOT	-0.34269634E-3	VYP	11.332385
MMR	6131.2087	MBARM	-9973.7326	QDOT	-0.17180089E-2	VZP	9.9672987
NMR	21817.718	QBAR	21659.658	RDOT	-0.31547496E-3	PSTR.	0.0
XWF	-676.86624	XT	-10.584363	XTR	0.0	PSIDMG	-150.0
YWF	-268.46657	YT	-138.63183	YTR	719.51529	BTR	2.0
ZWF	-35.479472	ZT	192.87872	ZTR	-261.88265	MADD	0.0
LWF	424.72847	LT	-291.29146	LTR	4419.2873	XADD	0.0
MWF	-3568.5223	MT	5482.9287	MTR	-8113.9976	YADD	0.0
NWF	-2389.8764	NT	3645.1431	NTR	-22292.981	ZADD	0.0
XMT	-2.7207517	XVT	-7.8636114	ALFMTT	-2.5455529	NADD	0.0
YMT	-1.1442391	YVT	-129.48759	ALFVTT	3.8530306	LADD	0.0
ZMT	192.29334	ZVT	0.58538124	AAB1F	4.0847579		

WEIGHT	16459.0	FSCG	369.20000	V	60.0	PSITR2	0.0
IX	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	39915.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000002E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	137.00499	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	965.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.01077867	A1S	-1.3002002	IMT	19.613130	XA	44.932633
LNGSTK	7.9360415	B1S	3.5765435	IS	-3.0	XB	21.957450
COLSTK	16.086811	THETA0	16.086811	TH7SMR	6.0068114	XC	35.002572
PEDAL	26.845622	THETTR	33.573796	TH7STR	20.073796	XP	7.1011303
XAIN	4.4932633	XBIN	2.1957449	XCIN	3.5042572	XPIN	0.38777095
XBACTP	26.310085	XBACTI	2.6310085	RSTR.	0.0	PSTR	0.0
VXB	101.30966	THETAB	2.3914042	AA0F	2.6198938	QSTR	0.0
VYB	16.478456	PHIB	0.0	AA1F	-1.3754625	RSTR	0.0
VZB	4.2309563	BETAWF	7.8676338	BB1F	-0.18690767E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-3.2337521	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.13158246	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.61676479E-1	MHITR	0.0
ALFAF	-7.5102190	EKTX	1.2873049	EKWFX	0.86825383	LHITR	0.0
CHITPP	77.113986	EKTZ	1.9163016	EKWFZ	1.0128060	QHITR	0.0
EKTR	0.0	EPSWT	0.52867633	SIGWT	1.2355864	XITR	0.0
QAF	12.695879	KQWT	0.87177979	KQVT	0.75945056	YITR	0.0
MUXS	0.12723128	CTSIG	0.74704687E-1	LTOT	-6.4428239	ZITR	0.0
MUYS	0.20679470E-1	CHSIG	-0.8254307E-3	DTOT	27.043605	LITR	0.0
MUZS	-0.13517562E-2	CQHSIG	0.47330813E-6	TTR	740.10517	MITR	0.0
LAMBMR	-0.25904665E-1	NZ	0.99869482	HPMR	1182.8533	NITR	0.0
DASMMR	0.24552909E-1	VC	0.35762786E-5	KTRBLK	1.0	AXP	1.3210477
XMR	976.73788	MBAR	-170.37095	VXBDOT	-0.27549174E-1	AYP	-0.23931713E-2
YMR	-337.66928	JBAR	337.66928	VYBDOT	-0.21641338E-3	AZP	-32.137753
ZMR	-15381.457	TBAR	15412.693	VZBDOT	0.68940788E-2	VXP	101.30966
LMR	-4588.9809	LBARH	-1401.2043	PDOT	-0.18674855E-3	VYP	16.478456
MMR	15044.185	MBARH	-4457.9277	QDOT	0.32884256E-3	VZP	4.2309563
NMR	21208.251	QBAR	21867.454	RDOT	0.73797158E-3	RSTR.	0.0
XWF	-296.68329	XT	-37.548457	XTR	0.0	PSIDMG	-150.0
YWF	-264.67329	YT	-93.285787	YTR	495.52308	BTR	2.0
ZWF	121.50838	ZT	-187.69803	ZTR	-253.15019	MADD	0.0
LWF	919.45508	LT	-295.06088	LTR	4271.9263	XADD	0.0
MWF	-4084.8329	MT	-3103.6187	MTR	-7843.4367	YADD	0.0
NWF	-2226.0747	NT	2603.4581	NTR	-21549.623	ZADD	0.0
XMT	-41.763245	XVT	4.2227878	ALFMTT	2.8509564	MADD	0.0
YMT	-1.7260083	YVT	-91.559779	ALFVTT	10.518570	LADD	0.0
ZMT	-106.42613	ZVT	-1.2719002	AABB1F	1.3755895		

WEIGHT	16450.0	FSCG	360.20000	V	82.0	PSITR2	0.0
IX	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	TWSTMR	-14.0	PSTR.	0.0
OMEGTR	137.00499	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1133.0	WLMT	238.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.64491981	A1S	-1.2253349	IMT	7.4340217	XA	45.969251
LNGSTK	0.2193217	A1C	5.1955422	IS	-3.0	XB	17.422891
COLSTK	16.112186	THETA0	16.112186	TH7SMR	6.0321861	XC	35.201163
PEDAL	25.669127	THETTR	32.427750	TH7STR	18.927750	XP	10.442449
XAIN	4.5969250	XBIN	1.7422891	XCIN	3.5201163	XPIN	0.56300840
XBACTP	20.415165	XBACTI	2.0415165	RSTR.	0.0	PSTR	0.0
VXB	135.04795	THETAB	2.6465966	AABF	0.5988061	QSTR	0.0
VYB	15.243451	PHIB	0.0	AA1F	-2.5566682	RSTR	0.0
VZB	6.2427098	BETAWF	5.8433117	BB1F	0.36690170E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-3.3460274	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.16501324	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.14343038	MHITR	0.0
ALFWF	-3.4442853	EKTX	1.3562125	EKWFX	0.90952286	LMITR	0.0
CHITPP	80.732528	EKTZ	1.7849994	EKWFZ	1.0092674	QMITR	0.0
EKTW	0.0	EPSWT	0.50843311	SIGWT	0.96457045	XITR	0.0
QWF	19.633692	KQWT	0.87177979	KQVT	0.80600295	YITR	0.0
MUXS	0.16964162	CTSIG	0.75207418E-1	LTOT	-0.96448010	ZITR	0.0
MUYS	0.19129613E-1	CMSIG	-0.18093661E-2	DTOT	25.005986	LITR	0.0
MUZS	-0.10465957E-2	CQMSIG	0.46949844E-6	TTR	780.49036	MITR	0.0
LAMBMR	-0.19949175E-1	NZ	0.99974922	HPMR	1214.5956	NITR	0.0
DWBMMR	0.18902579E-1	VC	0.35762786E-5	KTRBLR	1.0	AXP	1.4881876
XMR	1184.7687	MBAR	-373.24927	VXBDOT	0.25939495E-2	AYP	-0.18618955E-2
YMR	-309.93471	JBAR	309.93471	VYBDOT	-0.32812499E-2	AZP	-32.133431
ZMR	-15473.993	TBAR	15515.998	VZBDOT	0.40608510E-2	VXP	135.04795
LMR	-4742.1897	LBARM	-1690.0475	PDOT	-0.23284919E-3	VYP	15.243451
MMR	10858.039	MBARM	-8538.0869	QDOT	0.17259873E-3	VZP	6.2427098
NMR	21455.281	QBAR	22492.511	RDOT	-0.74425172E-3	RSTR.	0.0
XWF	-462.31827	XT	0.86912879	XTR	0.0	PSIDMG	-150.0
YWF	-321.23971	YT	-123.69598	YTR	733.47557	BTR	2.0
ZWF	46.816652	ZT	75.700638	ZTR	-266.96379	HADD	0.0
LWF	513.45642	LT	-275.85670	LTR	4505.0317	XADD	0.0
MWF	-3929.1385	MT	2149.3192	MTR	-8271.4279	YADD	0.0
NWF	-2614.2771	NT	3457.2438	NTR	-22725.517	ZADD	0.0
XWT	1.6266116	XVT	-0.73748221	ALFWTT	-1.3541774	NADD	0.0
YWT	-1.2132570	YVT	-122.68292	ALFVTT	6.7675294	LADD	0.0
ZWT	75.583990	ZVT	0.11664869	AABB1F	2.5569314		

WEIGHT	16459.0	FSCG	360.20000	V	100.0	PSITR2	0.0
IX	5130.0	WLCG	245.49999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	137.00499	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1133.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.56608974	A1S	-1.1933575	IMT	-0.69487496	XA	46.461939
LNGSTK	11.602833	B1S	7.5765529	IS	-3.0	XB	9.0005882
COLSTK	16.569978	THETA6	16.569978	TH75MR	6.4899789	XC	38.062369
PEDAL	26.153759	THETTR	33.461733	TH75TR	19.961733	XP	9.0991370
XAIN	8.6461939	XBIN	0.90005882	XCIN	3.8062369	XPIN	0.49134062
XBACTP	10.772750	XBACTI	1.0772750	RSTR.	0.0	PSTR	0.0
VXB	168.71460	THETAB	3.2627225	AAQF	2.6115622	QSTR	0.0
VYB	15.392487	PHIB	0.0	AA1F	-4.3927164	RSTR	0.0
VZB	9.6184860	BETAWF	4.8868741	BB1F	0.32969094E-1	TITR	0.0
P	0.0	GAMC	0.0	AAQL	-3.8138951	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.20262405	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.28571359	MHITR	0.0
ALFWF	-0.87610721	EKTX	1.3594862	EKWFX	0.92228996	LHITR	0.0
CHITPP	81.714614	EKTZ	1.6972815	EKWFZ	1.0082853	QHITR	0.0
EKTR	0.0	EPSWT	0.49884874	SIGWT	0.86008986	XITR	0.0
QWF	28.575914	KQHT	0.87177979	KQVT	0.82516968	YITR	0.0
MUXS	0.21205176	CTSIG	0.76163873E-1	LTOT	1.9834210	ZITR	0.0
MUYS	0.19316644E-1	CHSIG	-0.36147522E-2	DTOT	24.557374	LITR	0.0
MUZS	0.97255781E-3	CQHSIG	0.47180295E-6	TTR	898.22405	MITR	0.0
LAMBMR	-0.14434776E-1	NZ	0.99832785	HPMR	1373.5913	NITR	0.0
DWSMMR	0.15407334E-1	VC	0.14305114E-4	KTRBLK	1.0	AXP	1.8444898
XMR	1567.0244	HBAR	-745.75743	VXBDOT	0.10001947E-1	AYP	0.20342417E-1
YMR	-308.89643	JBAR	308.89643	VYBDOT	0.87911120E-2	AZP	-32.121002
ZMR	-15651.540	TBAR	15713.324	VZBDOT	-0.53269003E-3	VXP	168.71460
LMR	-5362.3461	LBARM	-2163.1667	PDOT	0.60930623E-2	VYP	15.392487
MMR	1961.6491	MBARM	-14614.737	QDOT	-0.13453457E-2	VZP	9.6184860
NMR	24772.351	QBAR	25436.877	RDOT	-0.13285207E-3	RSTR.	0.0
XWF	-673.72858	XT	1.9772600	XTR	0.0	PSIDMG	-150.0
YWF	-365.86152	YT	-165.08613	YTR	844.11727	BTR	2.0
ZWF	-44.067869	ZT	390.99174	ZTR	-307.23415	MADD	0.0
LWF	574.96908	LT	-365.65588	LTR	5184.5964	XADD	0.0
MWF	-3596.5538	MT	11100.477	MTR	-9519.1381	YADD	0.0
NWF	-3244.7002	NT	4606.8950	NTR	-26153.566	ZADD	0.0
XMT	6.3089285	XVT	-4.3236685	ALFHTT	-5.1247551	NADD	0.0
YMT	-2.2041971	YVT	-142.88193	ALFVTT	5.2703628	LADD	0.0
ZMT	399.65677	ZVT	0.33497190	AABB1F	4.3928400		

WEIGHT	16450.0	FSCG	360.20000	V	120.0	PSITR2	0.0
IX	5130.0	WLCG	245.89995	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	137.00499	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1091.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.50259338	AIS	-1.3016991	IMT	-2.2389183	XA	46.358791
LNGSTK	13.365371	BIS	9.0120624	IS	-3.0	XB	2.7725393
COLSTK	17.461608	THETAB	17.461608	TH75MR	7.3816088	XC	43.635056
PEDAL	28.251935	THETTR	36.629866	TH75TR	23.129866	XP	3.2825022
XAIN	4.6358798	XBIN	0.27725393	XCIN	4.3635056	XPIN	0.17725051
XBACTP	2.6939957	XBACTI	0.26939956	RSTR.	0.0	PSTR	0.0
VXB	202.64568	THETAB	2.2494494	AA0F	2.6201242	QSTR	0.0
VYB	16.702781	PHIB	0.0	AA1F	-5.0593568	RSTR	0.0
VZB	7.9600765	BETAWF	4.5024199	BB1F	-0.54581383E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.6382554	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.22629389	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.37982537	MHITR	0.0
ALFWF	-0.65755128	FXTX	1.4167128	EKWFX	0.91669353	LHITR	0.0
CMITPP	81.284119	EXTZ	1.6866835	EKWFZ	1.0087158	QHITR	0.0
EXTH	0.0	EPSWT	0.49502420	SIGWT	0.79242593	XITR	0.0
QWF	39.610794	KQWT	0.87177979	KQVT	0.82703121	YITR	0.0
MUXS	0.25446263	CTSIG	0.76690534E-1	LTOT	2.0119065	ZITR	0.0
MUYS	0.28960984E-1	CMSIG	-0.35879733E-2	QTOT	24.480483	LITR	0.0
MUZS	-0.33341060E-2	CQMSIG	0.47334975E-6	TTR	1099.7205	MITR	0.0
LAMBMR	-0.16270922E-1	NZ	0.99929199	HPMR	1665.8504	NITR	0.0
DWBMMR	0.12936816E-1	VC	0.35762786E-5	KTRBLK	1.0	AXP	1.2792694
XMR	1547.1941	MBAR	-748.23269	VXBDOT	0.15560934E-1	AYP	0.37964974E-1
YMR	-336.83437	JBAR	336.83437	VYBDOT	0.21016753E-1	AZP	-32.148737
ZMR	-15760.327	TBAR	15821.979	VZBDOT	-0.17022975E-2	VXP	202.64568
LMR	-6548.8864	LBARM	-2889.4049	PDOT	0.11288855E-1	VYP	16.702781
MMR	-27.869384	MBARM	-16784.418	QDOT	-0.89411943E-3	VZP	7.9600765
NMR	30892.179	QBAR	30849.982	RDOT	0.19095656E-2	RSTR.	0.0
XWF	-936.71244	XT	-9.1132628	XTR	0.0	PSIDMG	-150.0
YWF	-867.25286	YT	-219.17378	YTR	1033.4761	BTR	2.0
ZWF	-68.928989	ZT	578.48395	ZTR	-376.15526	HADD	0.0
LWF	731.43766	LT	-485.56995	LTR	6347.6452	XADD	0.0
MWF	-4769.7281	MT	16416.542	MTR	-11654.543	YADD	0.0
NWF	-4142.5914	NT	6116.2497	NTR	-32020.534	ZADD	0.0
XMT	-1.1846532	XVT	-7.9286096	ALFMTT	-5.5807371	NADD	0.0
YMT	-2.8915421	YVT	-216.28223	ALFVTT	4.7385911	LADD	0.0
ZMT	578.82096	ZVT	0.46299716	AABB1F	5.0596512		

WEIGHT	16450.0	FSCG	360.20000	V	140.0	PSITR2	0.0
IX	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	TWSTMR	-18.0	PSTR.	0.0
OMEGTR	137.00499	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	5000.0	WLHT	234.0	FSVT	695.0
FSH1	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.60557824	A1S	-1.4686410	IHT	-2.9279675	XA	46.215136
LNGSTK	14.149999	B1S	9.8715348	IS	-3.0	XB	0.0
COLSTK	18.859250	THETA0	18.859250	TH75MR	8.7792502	XC	52.370315
PEDAL	29.436000	THETTR	37.5	TH75TR	24.0	XP	0.0
XAIN	4.6215136	XBIN	0.0	XCIN	5.2370314	XPIN	0.0
XBACTP	-2.2892616	XBACTI	-0.22892616	RSTR.	0.0	PSTR	0.0
VXB	236.58176	THETAB	0.28934432	AA0F	2.7050066	QSTR	0.0
VYB	15.219006	PHIB	0.0	AA1F	-4.8848219	RSTR	0.0
VZB	1.1946927	BETAWF	3.5528006	BB1F	-0.95242339E-2	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-5.8052758	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.26072603	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.43714836	MHITR	0.0
ALFWF	-1.8636789	EKTX	1.4882427	EKWFX	0.90272122	LHITR	0.0
CHITPP	88.209326	EKTZ	1.7215207	EKWFZ	1.0097906	QHITR	0.0
EKTR	0.0	EPSWT	0.48552800	SIGWT	0.62529291	XITR	0.0
QWF	52.689486	KQHT	0.87177979	KQVT	0.83161144	YITR	0.0
MUXB	0.29654438	CTSIG	0.78912872E-1	LTOT	0.18470549	ZITR	0.0
MUYB	0.19095845E-1	CHSIG	-0.23192228E-2	DTOT	24.290560	LITR	0.0
MUZB	-0.14040696E-1	CQHSIG	0.48868454E-6	TTR	1204.8711	MITR	0.0
LAMBMR	-0.25449039E-1	NZ	1.0000838	HPMR	2043.1228	NITR	0.0
DWBMMR	0.11408342E-1	VC	0.99406967E-6	KTRBLK	1.0	AXP	-0.33278907
XMR	1329.8127	MBAR	-478.47751	VXBDOT	-0.18170379E-2	AYP	-0.29573595
YMR	-381.38571	JBAR	381.38571	VYBDOT	0.24624279E-1	AZP	-31.583815
ZMR	-16231.851	TBAR	16280.468	VZBDOT	-0.51759589E-2	VXP	236.58176
LMR	-7453.7960	LBARH	-3129.2777	PDOT	0.15742325E-1	VYP	15.216543
MMR	2899.0578	MBARH	-1600.734	QDOT	0.23610282	VZP	1.1947452
NMR	37721.500	QBAR	38576.350	RDOT	0.14967960	RSTR.	0.0
XWF	-1251.4863	XT	-0.24323272	XTR	0.0	PSIDMG	-150.0
YWF	-490.33837	YT	-248.59914	YTR	1132.2927	BTR	2.0
ZWF	31.086362	ZT	973.57646	ZTR	-412.12164	MADD	0.0
LWF	805.01173	LT	-549.58561	LTR	6954.5802	XADD	0.0
MWF	-8382.3885	MT	27652.666	MTR	-12768.902	YADD	0.0
NWF	-4356.9589	NT	6937.5548	NTR	-35082.202	ZADD	0.0
XMT	15.929387	XVT	-16.172620	ALFHTT	-7.1179811	NADD	0.0
YMT	-3.6412724	YVT	-244.95787	ALFVTT	3.6724348	LADD	0.0
ZMT	972.36537	ZVT	1.2110910	AABB1F	4.8848312		

WEIGHT	16450.0	FSCG	360.20000	V	150.0	PSITR2	0.0
IX	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	137.80499	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	1217.0	WLHT	234.0	FSVT	695.0
FGHT	700.40000	SHT	45.0	SVT	32.300000	QSTR.	0.0
LATGTK	-0.88230961	A1S	-1.8324957	IHT	-3.7900859	XA	44.485565
LNGSTK	11.611358	B1S	12.149227	IS	-3.0	XB	8.9704649
COLSTK	19.707049	THETAW	19.707049	TH75MR	9.6270495	XC	57.669060
PEDAL	13.060248	THETTR	24.132707	TH75TR	10.632707	XP	45.397403
XAIN	4.4485564	XBIN	8.89704649	XCIN	5.7669060	XPIN	2.4513960
XBACTP	6.1298514	XBACTI	8.61298514	RSTR.	0.0	PSTR	0.0
VXB	253.44898	THETAB	8.75574498	AA0F	2.6850514	QSTR	0.0
VYB	20.427700	PHIB	0.0	AA1F	-6.6674919	RSTR	0.0
VZB	3.3433339	BETAWF	4.4750447	BB1F	-0.36307699	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-6.7631016	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.28942532	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.59994865	MHITR	0.0
ALFWF	-1.1388755	EKTX	1.5297625	EKWFX	0.89109549	LHITR	0.0
CHITPP	79.190501	EKTZ	1.7102374	EKWFZ	1.0108094	QHITR	0.0
EKTK	0.0	EPSWT	0.49475044	SIGWT	0.78760749	XITR	0.0
QWF	59.972029	KQHT	0.87177979	KQVT	0.82714361	YITR	0.0
MUXS	0.31782218	CTSIG	0.78350960E-1	LTOT	1.4329671	ZITR	0.0
MUYS	0.25635532E-1	CHSIG	-0.39485686E-2	DTOT	24.475008	LITR	0.0
MUZS	-0.12456032E-1	CQHSIG	0.48507945E-6	TTR	1618.2133	MITR	0.0
LAMGMR	-0.23021352E-1	NZ	0.999[illegible]28	HPMR	2430.2480	NITR	0.0
DWSMMR	0.10565319E-1	VC	0.17881393E-5	KTRBLK	1.0	AXP	0.45026824
XMR	1659.4083	HBAR	-814.62689	VXBDOT	0.39784544E-1	AYP	-0.82029358E-1
YMR	-503.99743	JBAR	503.99743	VYBDOT	-0.47066247E-1	AZP	-32.131328
ZMR	-16098.499	TBAR	16164.541	VZBDOT	0.25432997E-1	VXP	253.44898
LMR	-9831.9533	LBARH	-4430.2006	PDOT	-0.24548428E-1	VYP	20.427700
MMR	-5293.8107	MBARH	-22055.029	QDOT	0.84535446E-2	VZP	3.3433339
NMR	43868.137	QBAR	45904.594	RDOT	-0.41262738E-2	RSTR.	0.0
XWF	-1418.6413	XT	-15.185101	XTR	0.0	PSIDMG	-150.0
YWF	-703.13565	YT	-336.47940	YTR	1520.7361	RTR	4.0
ZWF	-57.866646	ZT	1087.3787	ZTR	-553.50377	MADD	0.0
LWF	1118.3496	LT	-743.22357	LTR	9340.4132	XADD	0.0
MWF	-8074.7843	MT	30854.566	MTR	-17149.391	YADD	0.0
NWF	-6238.2887	NT	9390.0819	NTR	-47117.475	ZADD	0.0
XMT	-2.0243854	XVT	-13.160716	ALFMTT	-7.0293717	NADD	0.0
YMT	-5.1258701	YVT	-331.35352	ALFVTT	4.6209654	LADD	0.0
ZMT	1086.6340	ZVT	8.74471134	AABB1F	6.6773701		

WEIGHT	16450.0	FSCG	360.20000	V	40.0	PSITR2	0.0
IX	5130.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	137.00499	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KPR	15.0	PASCNT	1175.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.5402550	A1S	-2.1864699	IMT	27.196170	XA	40.373406
LNGSTK	0.5755972	B1S	3.6065997	IS	-3.0	XB	19.697535
COLSTK	16.753931	THETA0	16.753931	TH75MR	6.6739314	XC	39.212072
PEDAL	29.436000	THETTR	36.964717	TH75TR	23.464717	XP	0.0
XAIN	4.0373406	XBIN	1.9697535	XCIN	3.9212072	XPIN	0.0
XBACTP	26.266005	XBACTI	2.6266005	RSTR.	0.0	PSTR	0.0
VXB	67.400062	THETAB	4.3907097	AA0F	2.7508776	QSTR	0.0
VYB	0.0	PHIB	-1.5578475	AA1F	-2.3894614	RSTR	0.0
VZB	5.1754034	RETAWF	0.0	BB1F	-0.16806978	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-3.7363957	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.16475587	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.10009442	MHITR	0.0
ALFWF	-15.342848	EKTX	1.0547487	EKWFX	0.73582347	LHITR	0.0
CHITPP	65.832575	EKTZ	2.0403256	EKWFZ	1.0283348	QHITR	0.0
EKTH	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	7.3654188	KQHT	0.87922024	KQVT	0.84852813	YITR	0.0
MUXS	0.84800431E-1	CTSIG	0.76034120E-1	LTOT	-25.685696	ZITR	0.0
MUYS	0.0	CHSIG	-0.23447861E-2	DTOT	27.767992	LITR	0.0
MUZS	0.20588149E-2	CQHSIG	0.49497156E-6	TTR	849.37751	MITR	0.0
LAMGMR	-0.33887023E-1	NZ	0.99675502	HPMR	1368.5384	NITR	0.0
DWSMMR	0.35945837E-1	VC	0.12842774	KTRBLK	1.0	AXP	2.4858684
XMR	1303.9969	MBAR	-483.75146	VXBDOT	0.23287764E-1	AYP	0.87764248
YMR	-364.85799	JBAR	364.85799	VYBDOT	0.80708830E-2	AZP	-32.069297
ZMR	-15638.522	TBAR	15686.555	VZBDOT	-0.40616045E-2	VXP	67.400062
LMR	-4890.2728	LBARM	-1355.8435	PDOT	0.60305067E-3	VYP	0.0
MMR	10284.747	MBARM	-7863.2022	QDOT	0.19318473E-8	VZP	5.1754034
NMR	24627.958	QBAR	25343.304	RDOT	0.14403002E-2	RSTR.	0.0
XWF	-147.16581	XT	51.720922	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-5.5830531	YTR	798.21312	BTR	2.0
ZWF	236.56495	ZT	185.22862	ZTR	-290.52637	MADD	0.0
LWF	0.0	LT	-12.608395	LTR	4902.6520	XADD	0.0
MWF	-4321.2999	MT	3038.7975	MTR	-9001.4754	YADD	0.0
NWF	0.0	NT	155.76718	NTR	-24731.392	ZADD	0.0
XHT	53.156198	XVT	-1.4352753	ALFHTT	-3.8239126	NADD	0.0
YHT	0.0	YVT	-5.5830531	ALFVTT	0.0	LADD	0.0
ZHT	184.36553	ZVT	0.86308495	AABB1F	2.3953649		

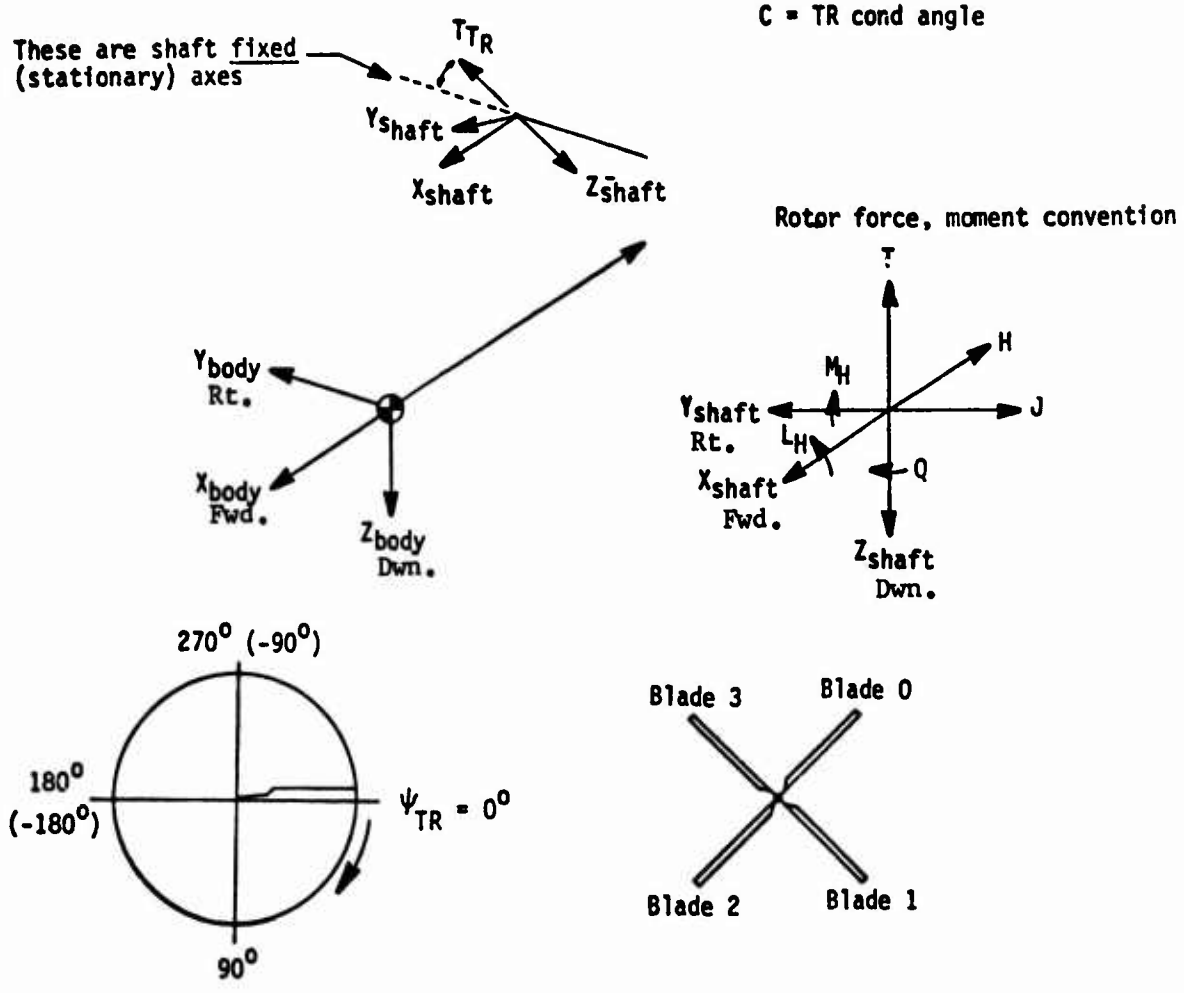
WEIGHT	16450.0	FSCG	368.20000	V	1.0E-2	PSITR2	0.0
IX	5130.0	WLCG	249.49999	DELS	-5.0	VXSTR.	0.0
IY	39815.0	RHO	0.17500000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	137.00499	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	2389.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LAT6TK	0.26098394	A1S	-0.53536536	IMT	29.754190	XA	51.631150
LNGSTK	7.1574962	B1S	2.4911971	IS	-3.0	XB	24.708493
COL8TK	18.211546	THETA6	18.211546	TM75MR	8.1315466	XC	48.322167
PEDAL	29.436000	THETTR	37.5	TM75TR	24.0	XP	0.0
XAIN	5.1631158	XBIN	2.4708493	XCIN	4.8322167	XPIN	0.0
XBACTP	31.855409	XBACTI	3.1855609	RSTR.	0.0	PSTR	0.0
VXB	0.16810899E-1	THETAB	5.9134644	AA0F	2.8255771	QSTR	0.0
VYB	0.0	PHIB	-1.5760910	AA1F	-2.8887439	PSTR	0.0
VZB	0.17412781E-2	BETAWF	0.0	BB1F	-0.58104067	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.6058197	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.41316539E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.14074582	MHITR	0.0
ALFWF	-10.829242	EKTX	-0.20743707	EKWFX	0.79995393E-5	LHITR	0.0
CMITPP	-2.8629737	EKTZ	0.1449R038	EKWFZ	0.11099340E-3	QHITR	0.0
EKTW	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.26748755E-6	KQWT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.2118R475E-4	CTSIG	0.74715687E-1	LTOT	-14.990181	ZITR	0.0
MUYS	0.0	CMSIG	-0.39824013E-2	QTOT	25.461353	LITR	0.0
MUZS	0.18779539E-5	CQMSIG	0.51046673E-6	TTR	586.81745	MITR	0.0
LAMBMR	-0.56017661E-1	NZ	0.99439238	MPMR	1672.9676	NITR	0.0
DWSMMR	0.56018739E-1	VC	0.43612962E-4	KTRBLK	0.79599999	AXP	3.1646783
XMR	1610.6470	MBAR	-805.10214	VXBDOT	0.82327105E-3	AYP	-0.23765633E-1
YMR	-123.36474	JBAR	123.36474	VYBDOT	-0.10271816E-2	AZP	-31.991149
ZMR	-15350.093	TBAR	15414.549	VZBDOT	0.25541996E-3	VXP	0.16810899E-1
LMR	-4223.5659	LBARM	-1857.6294	PDOT	-0.62908257E-3	VYP	0.0
MMR	6159.7978	MBARM	-9658.2773	QDOT	-0.81397246E-4	VZP	0.17412781E-2
NMR	38633.338	OBAR	38988.883	RUOT	0.36316204	PSTR.	0.0
XWF	-0.59362364E-5	XT	1.0021216	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-0.34943694E-6	YTR	550.71722	BTR	2.0
ZWF	0.52175568E-5	ZT	1.6375275	ZTR	-200.44586	MADD	0.0
LWF	0.0	LT	-0.74914519E-6	LTR	3382.5238	XADD	0.0
MWF	-0.12813428E-3	MT	47.417676	MTR	-6210.4562	YADD	0.0
NWF	0.0	NT	0.97492907E-5	NTR	-17063.055	ZADD	0.0
XMT	1.0021217	XVT	-0.85892881E-7	ALFMTT	-5.2211661	NADD	0.0
YMT	0.0	YVT	-0.34943694E-6	ALFVTT	0.0	LADD	0.0
ZMT	1.6375275	ZVT	0.62887346E-7	AABB1F	2.9465996		

APPENDIX C

AIRCRAFT "HANDS OFF" RESPONSE

This Appendix contains the time histories, (Figures C-2 through C-13), of the aircraft for a period of six seconds following blade loss. The axis system, the parametric definition, and the sign convention used are shown in Figure C-1. Shown below is a definition of the symbols used.

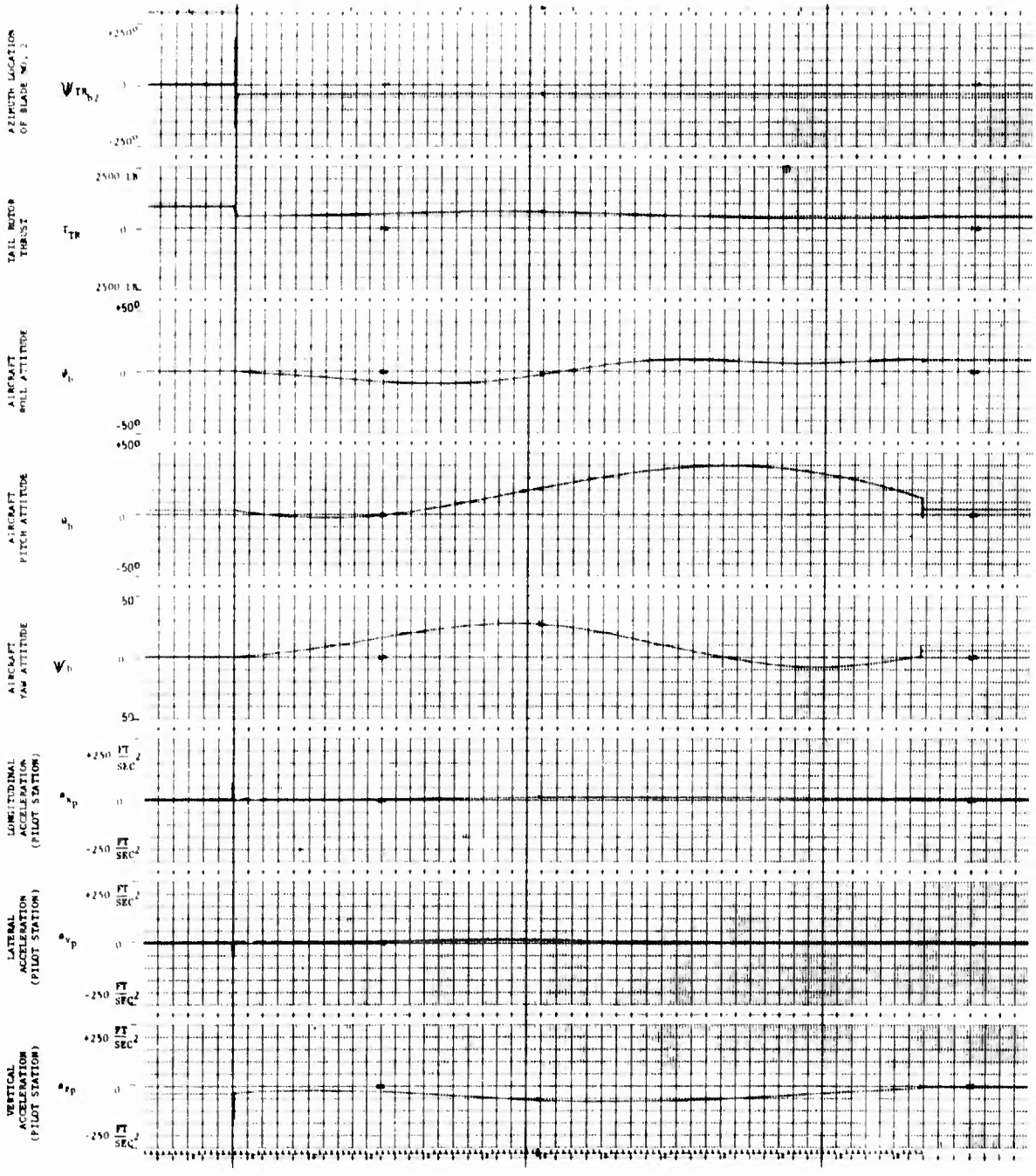
Symbol	Definition
ψTR_b2	Tail Rotor (TR) Azimuth Position of Blade #2
T_{TR}	Tail Rotor Thrust
ϕb	Aircraft Roll Attitude
θb	Aircraft Pitch Attitude
ψb	Aircraft Yaw Attitude
a_{x_p}	Longitudinal Acceleration at Pilot's Location
a_{y_p}	Lateral Acceleration at Pilot's Location
a_{z_p}	Vertical Acceleration at Pilot's Location



Notes:

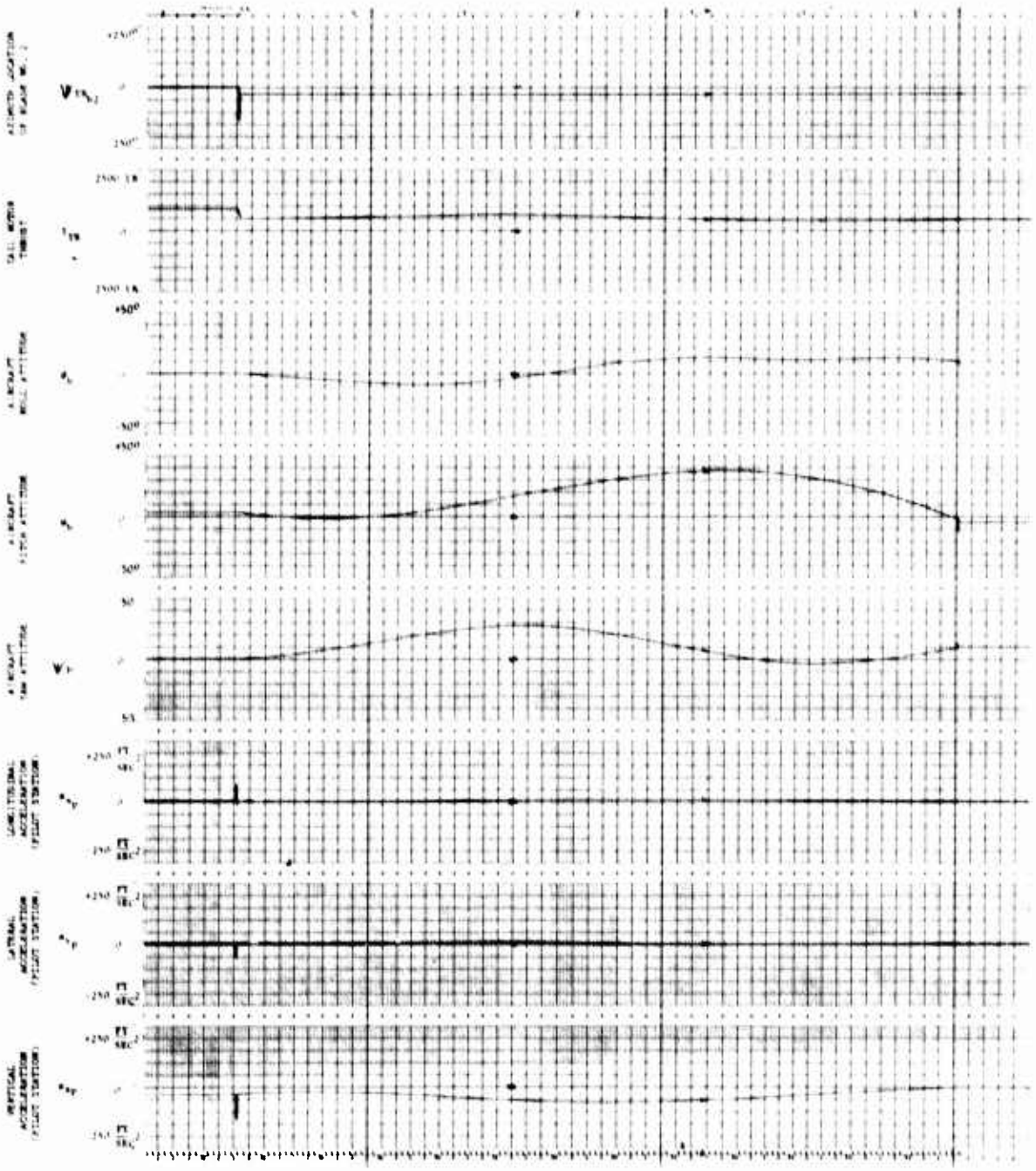
1. Tail Rotor Severance Simulation assumes Blade 0 is entirely lost due to ballistic damage (worst case); then, Blade 2 is completely severed when it reaches the jettison envelope.
2. Computer program required defining $_{TR} = \pm 180^0$ rather than 0^0 to 360^0.
3. Jettison window used in the simulation study was - $45^0 \leq \psi_{TR} \leq 25^0$ to examine performance characteristics for a blade loss range that exceeds the required 42^0 window discussed in part 1 of this report.

Figure C-1. Axis System, Parametric Definition, Sign Convention



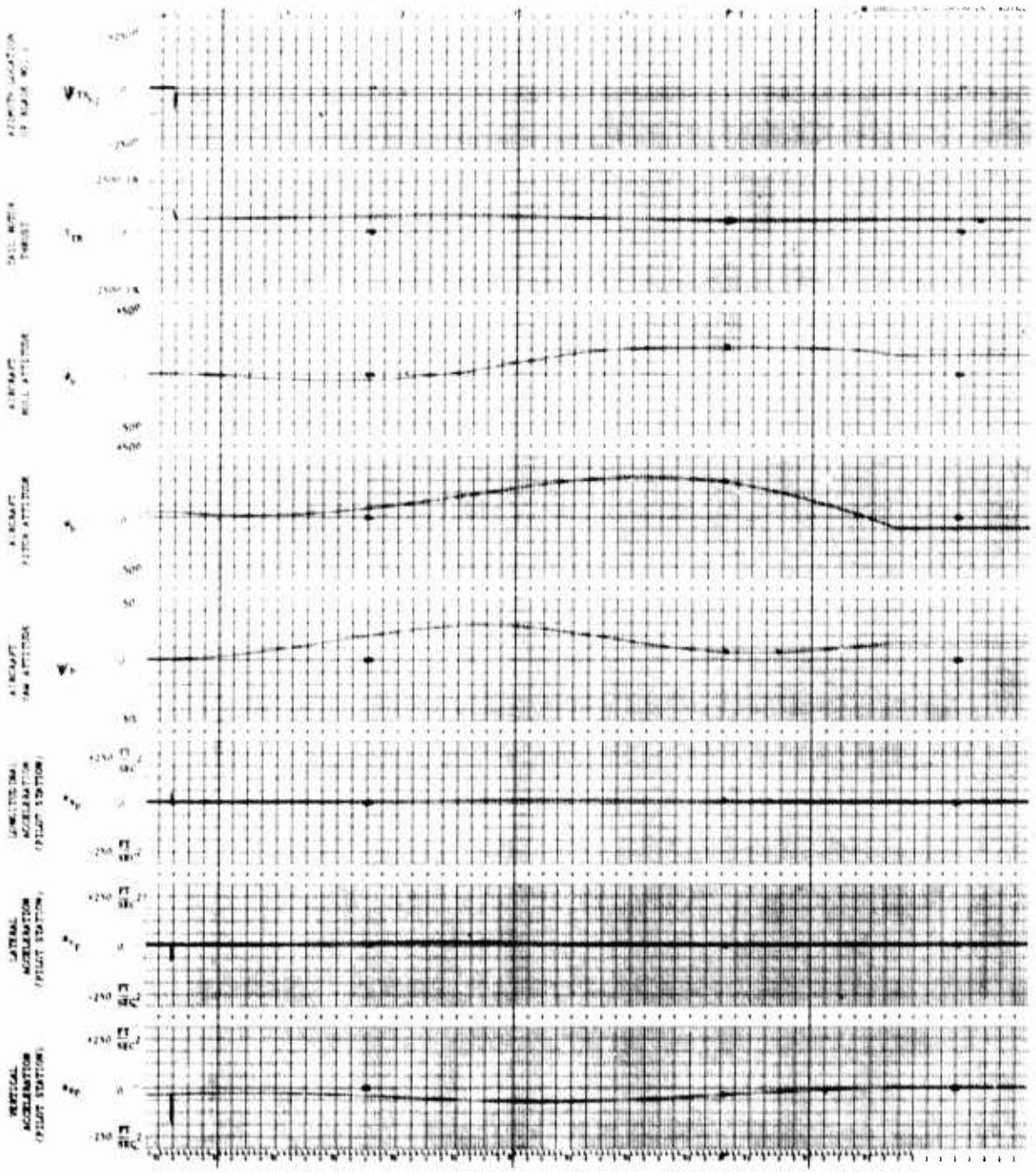
G.W.: 16,450 FSCG: 360.2 ψ Damage: 0^{o} SAS: OFF

Figure C-2. Aircraft "Hands Off" Response (0^{o})



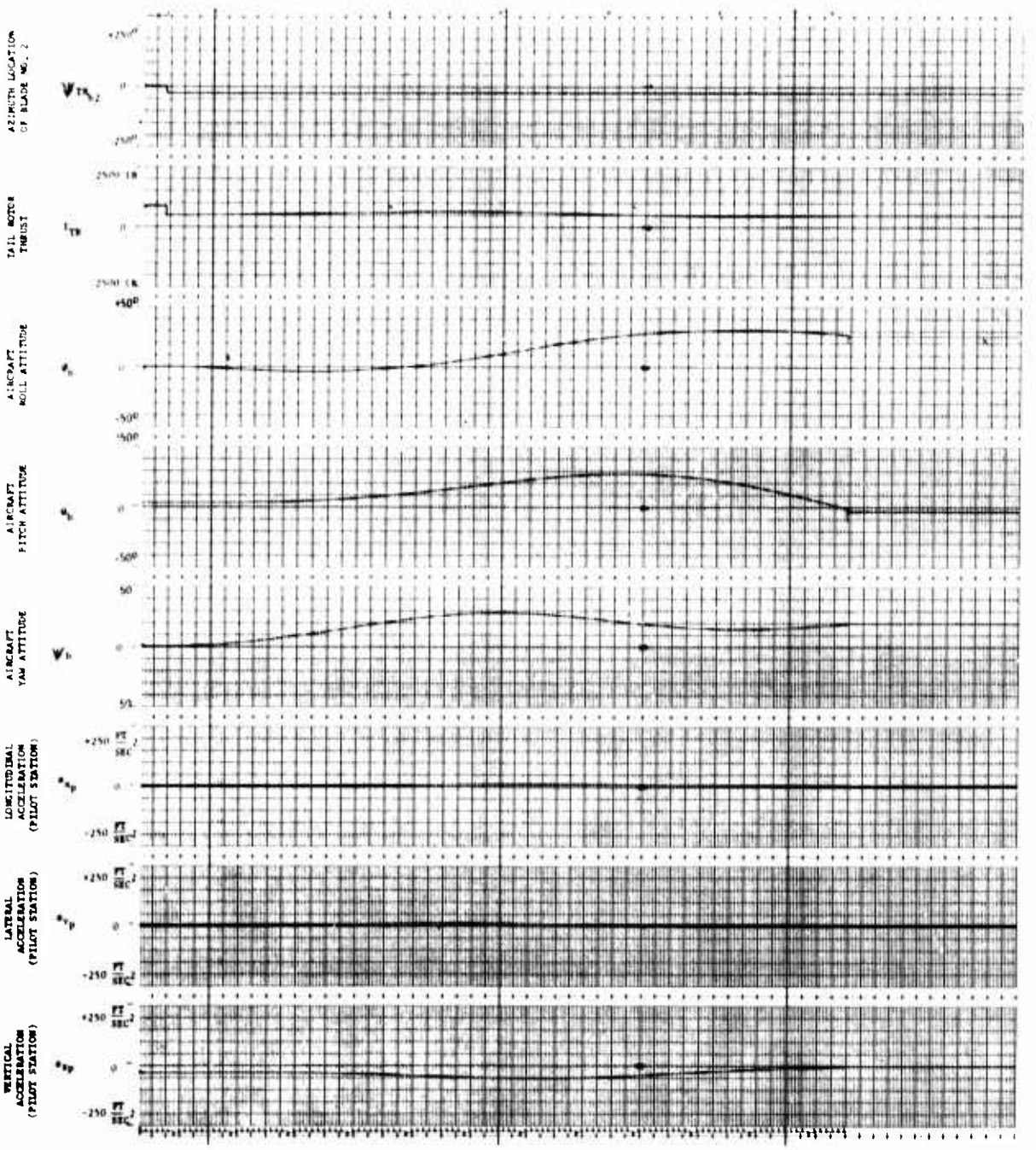
G.W.: 16,450 FSCG: 360.2 Ψ Damage: 50^{0} SAS: OFF

Figure C-3. Aircraft "Hands Off" Response (50^{0})



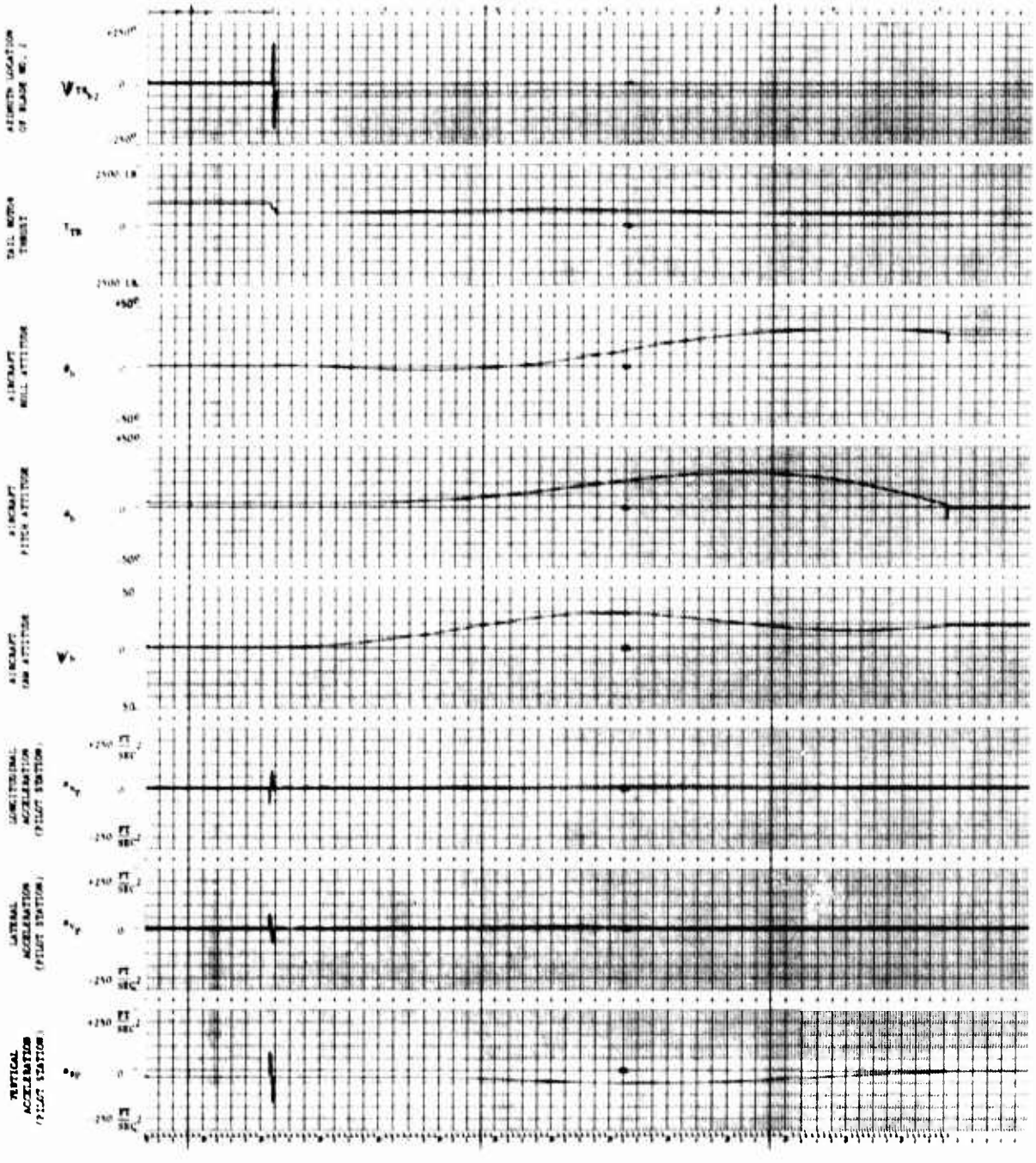
G.W.: 16,450 FSCG: 360.2 ψ Damage: 90^{o} SAS: OFF

Figure C-4. Aircraft "Hands Off" Response (90^{o})



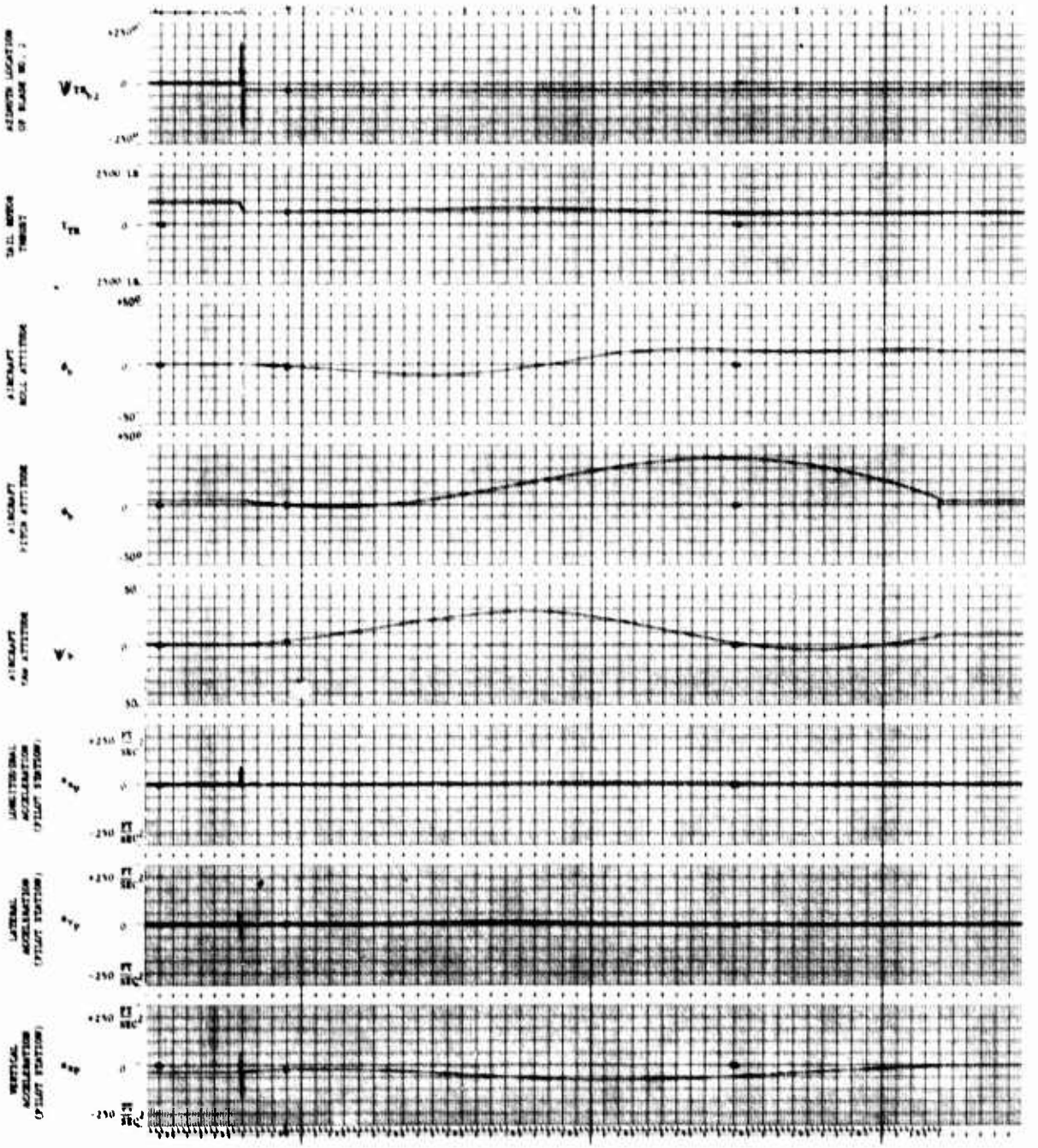
G.W.: 16,450 FSCG: 360.2 ψ Damage: 150° SAS: OFF

Figure C-5. Aircraft "Hands Off" Response (150°)



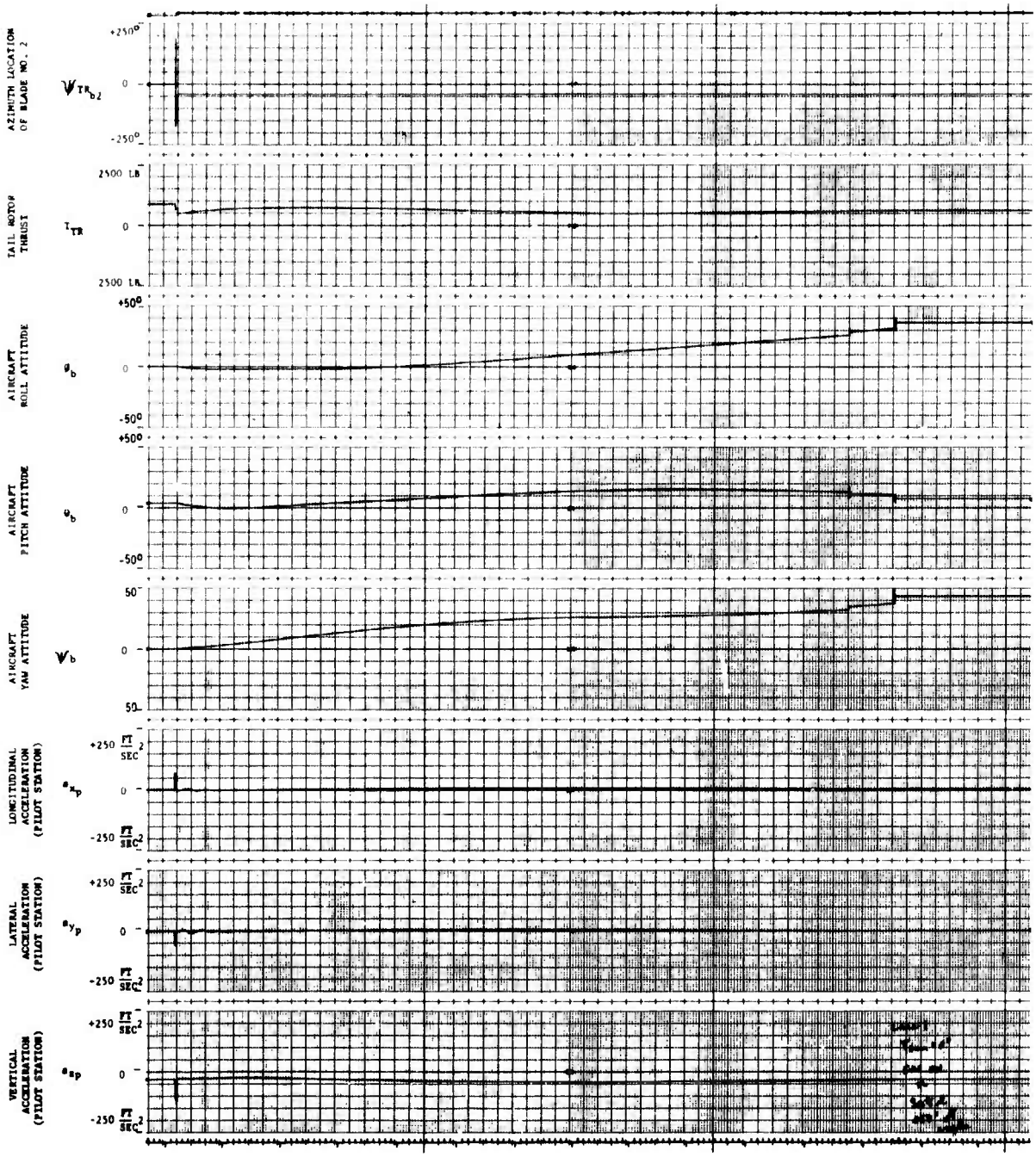
G.W.: 16,450 FSCG: 360.2 Ψ Damage: -135^{O} SAS: OFF

Figure C-6. Aircraft "Hands Off" Response (-135^{O})



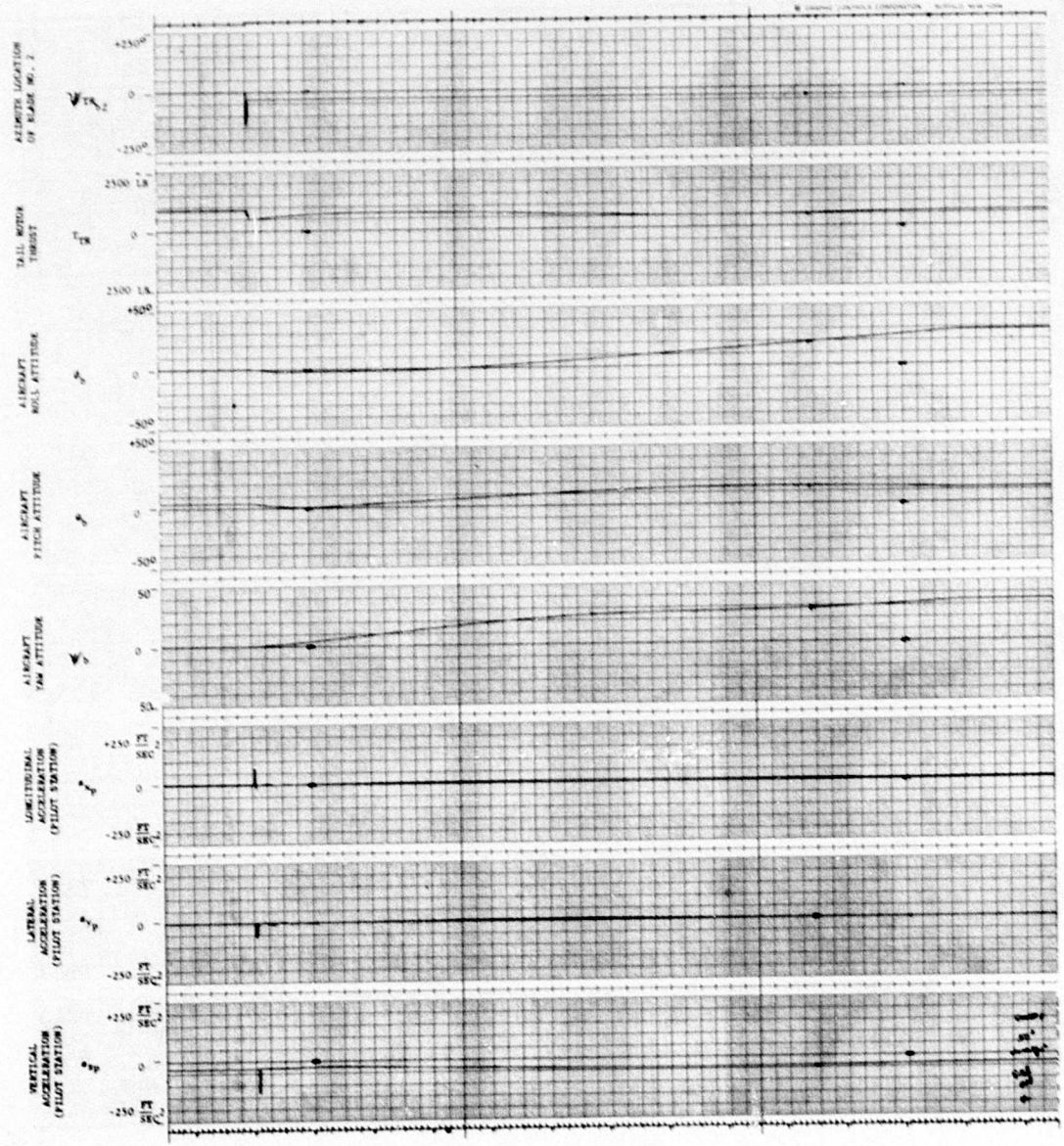
G.W.: 16,450 FSCG: 360.2 Ψ Damage: -50^{o} SAS: OFF

Figure C-7. Aircraft "Hands Off" Response (-50^{o})



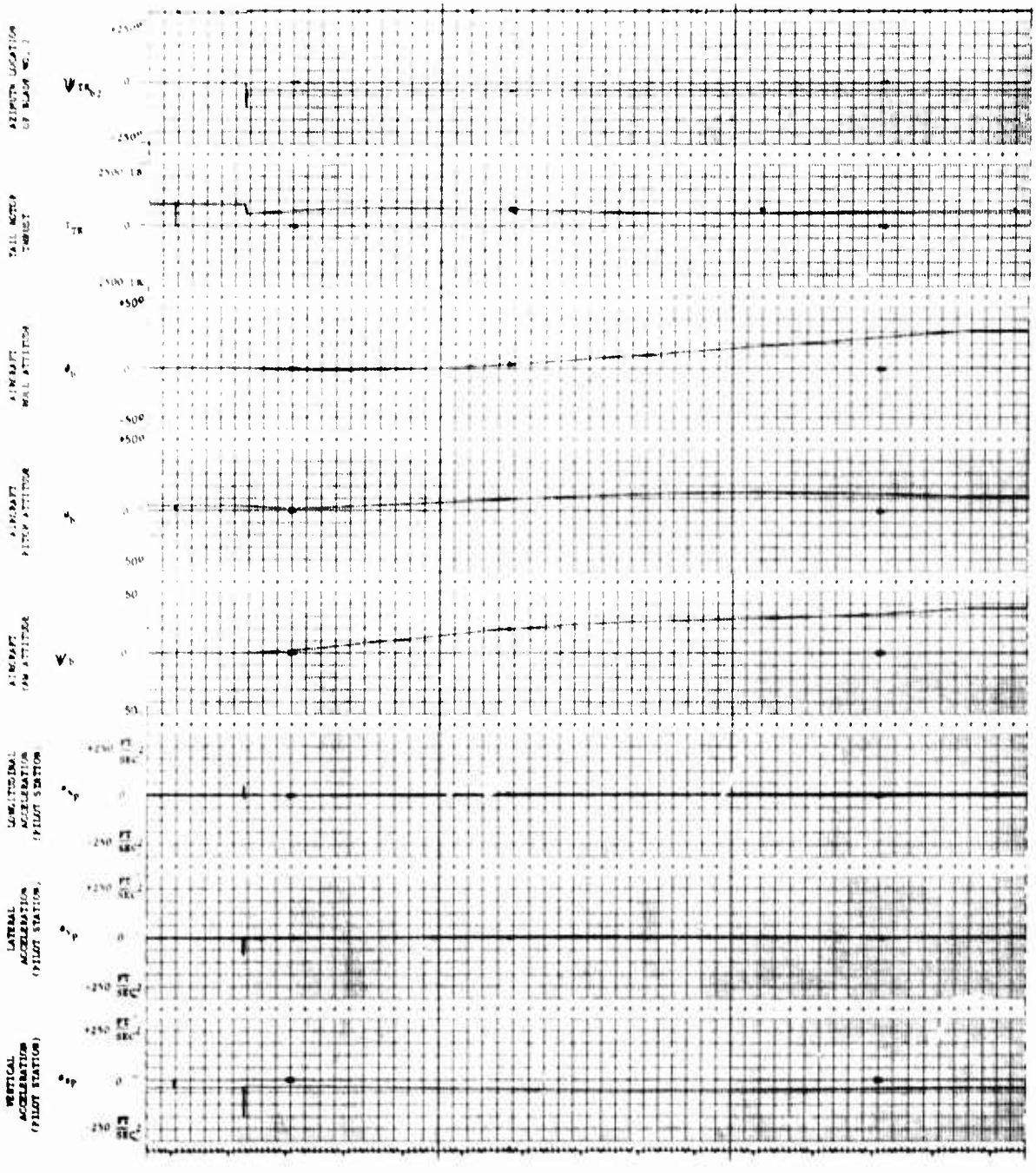
G.W.: 16,450 FSCG: 360.2 Ψ Damage: 0^{o} SAS: ON

Figure C-8. Aircraft "Hands Off" Response (0^{o})



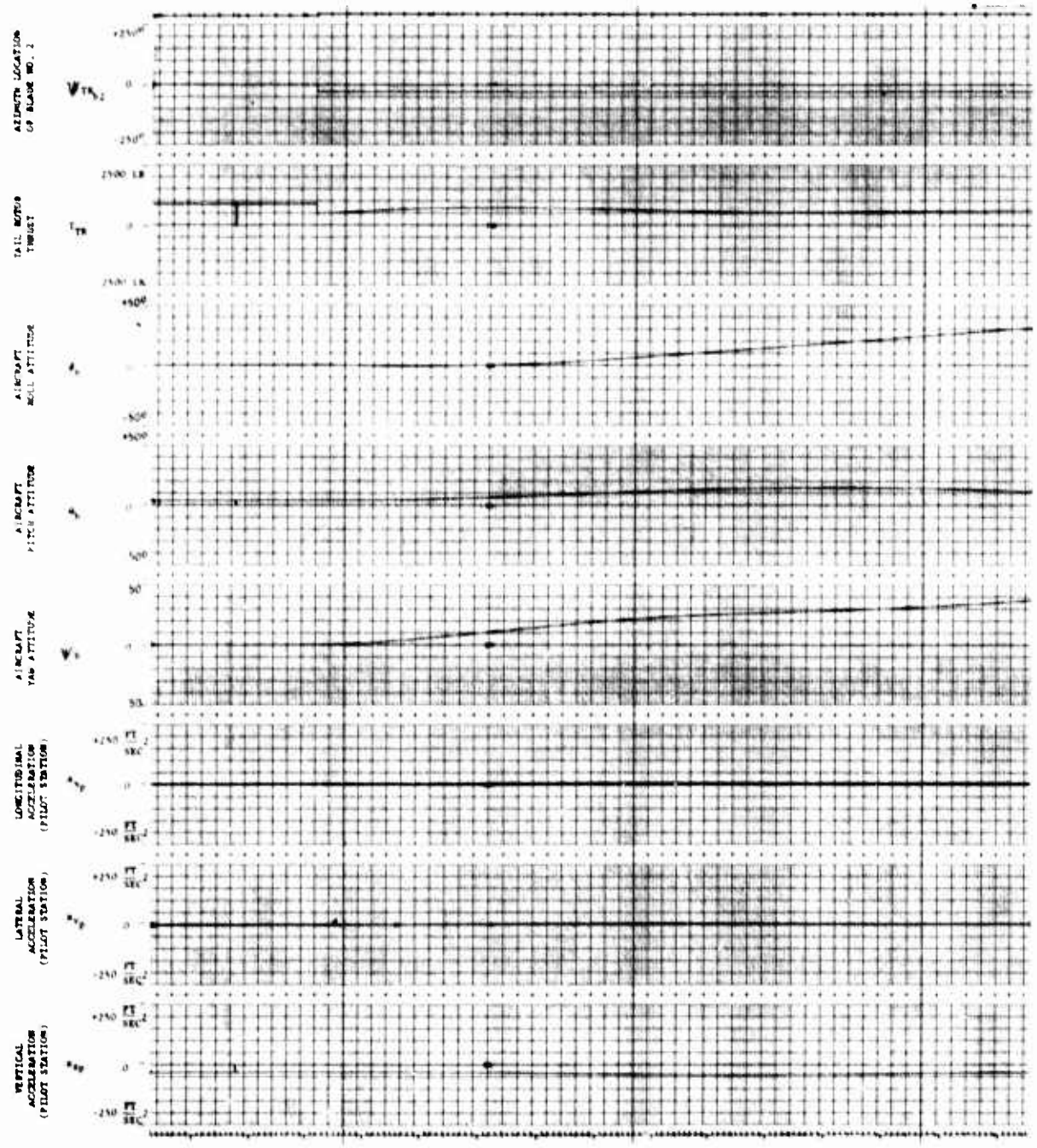
G.W.: 16,450 FSCG: 360.2 ψ Damage: 50^{o} SAS: ON

Figure C-9. Aircraft "Hands Off" Response (50^{o})



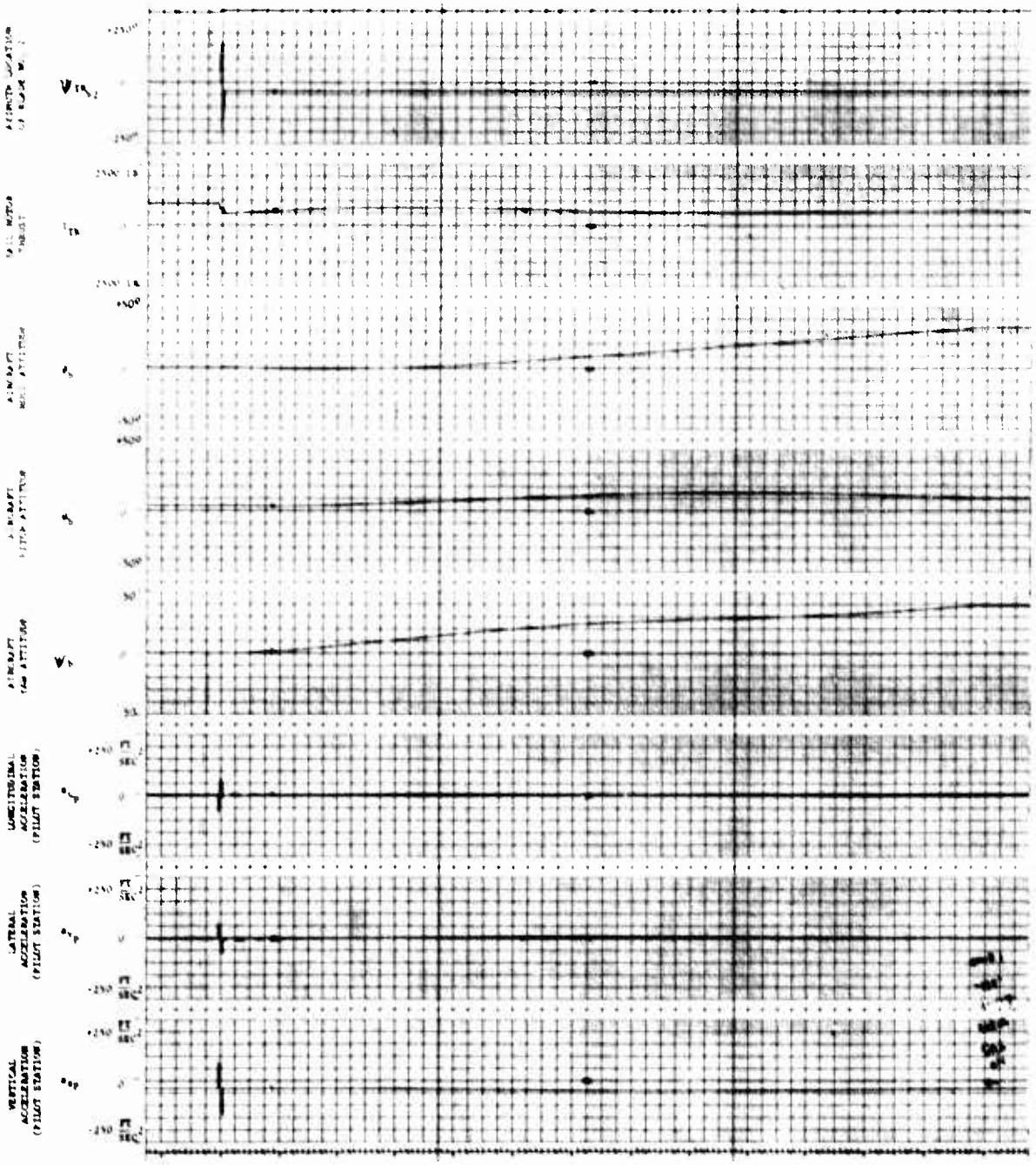
G.W.: 16,450 FSCG: 360.2 ψ Damage: 90^{o} SAS: ON

Figure C-10. Aircraft "Hands Off" Response (90^{o})



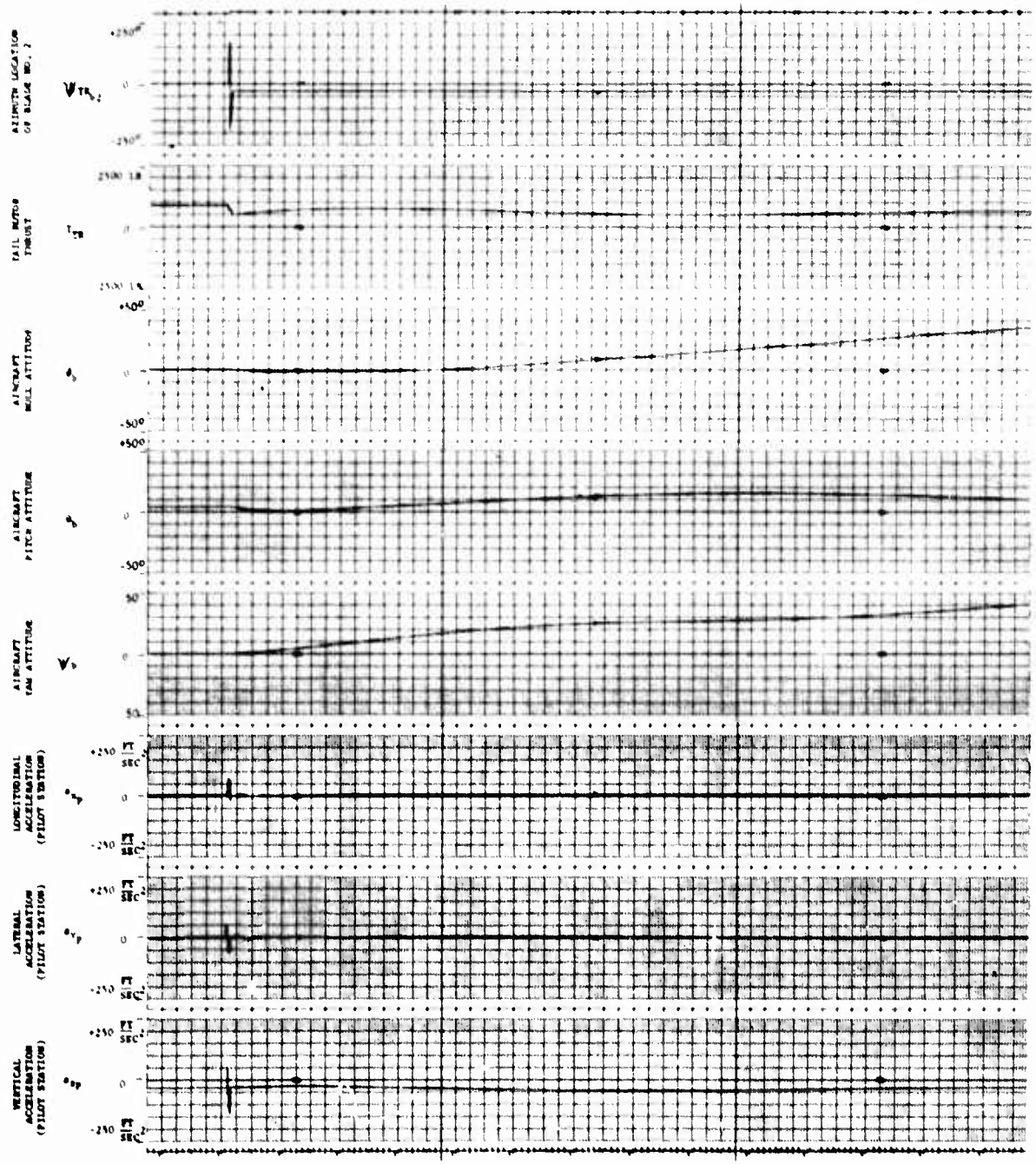
G.W.: 16,450 FSCG: 360.2 ψ Damage: 150^{o} SAS: ON

Figure C-11. Aircraft "Hands Off" Response (150^{o})



G.W.: 16,450 FSCG: 360.2 Ψ Damage: -135^{o} SAS: On

Figure C-12. Aircraft "Hands Off" Response (-135^{o})



G. W.: 16,450 FSCG: 360.2 ψ Damage: -50^{o} SAS: ON

Figure C-13. Aircraft "Hands Off" Response (-50^{o})

APPENDIX D

STEPPED TRANSITION TIME HISTORY TRIM DATA

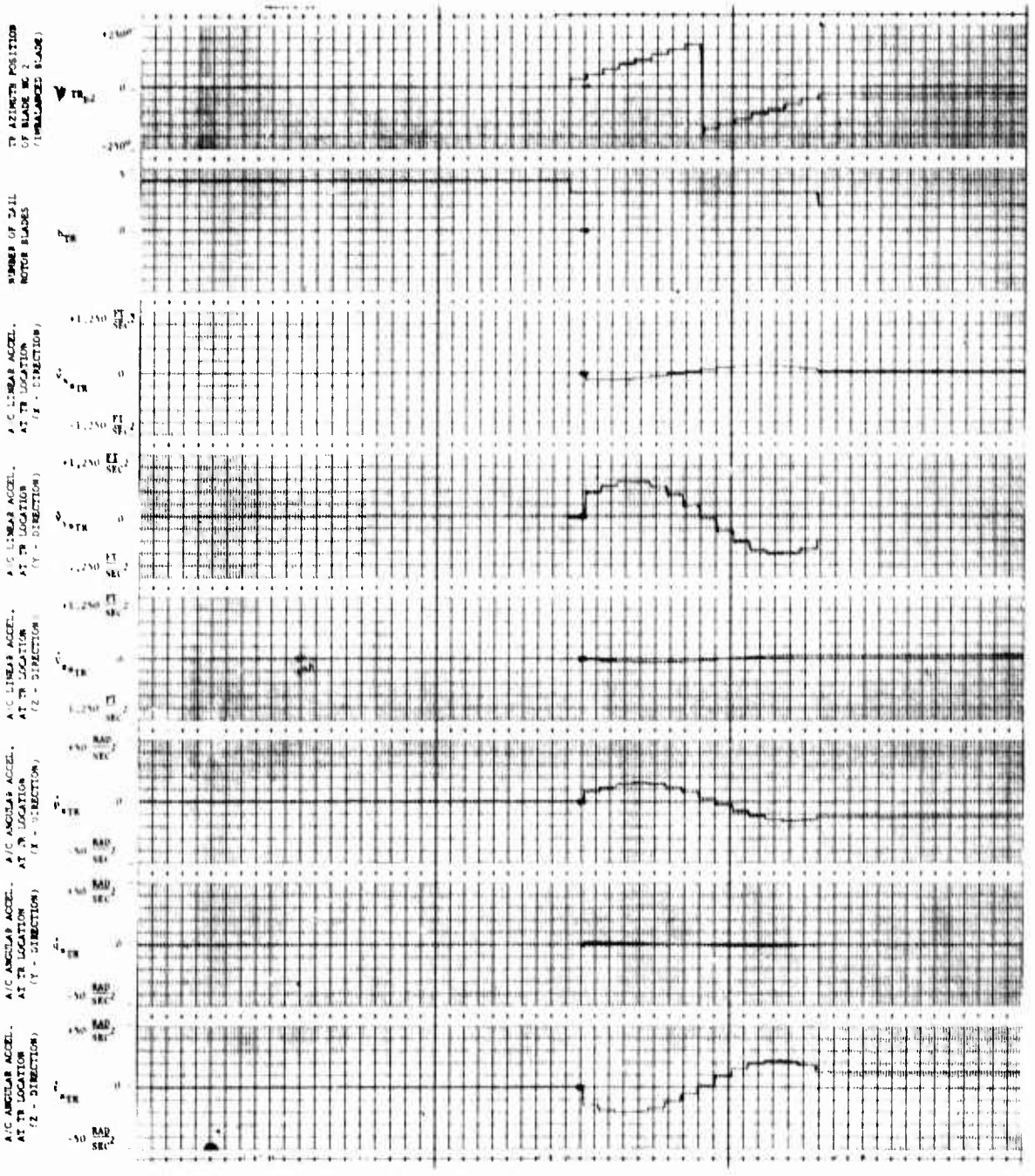
Figures D-1 through D-12, included in this Appendix, are the time history cases performed to determine the helicopter response to the unbalanced load during transition from four to two tail rotor blades. With the exception of Figure D-8, computer printouts have been provided for reference. Definitions for the key symbols and abbreviations used are provided below.

Symbol	Definition
TR b2	Tail Rotor (TR) Azimuth Position of Blade #2 (Imbalanced Blade)
b_{TR}	Number of Tail Rotor Blades
$\dot{v}_{xsTR}$	Aircraft Linear Accelerations at TR Location (FSTR, BLTR, WLTR) Measured Along TR Fixed Shaft in X-Direction
$\dot{v}_{ysTR}$	Aircraft Linear Accelerations at TR Location (FSTR, BLTR, WLTR) Measured Along TR Fixed Shaft in Y-Direction
$\dot{v}_{xsTR}$	Aircraft Linear Accelerations at TR Location (FSTR, BLTR, WLTR) Measured Along TR Fixed Shaft in X-Direction
$\dot{v}_{zsTR}$	Aircraft Linear Accelerations at TR Location (FSTR, BLTR, WLTR) Measured Along TR Fixed Shaft in Z-Direction
$\dot{p}_{sTR}$	Aircraft Angular Accelerations at TR Location (FSTR, BLTR, WLTR) Measured About TR Fixed Shaft in X-Direction
$\dot{q}_{sTR}$	Aircraft Angular Accelerations at TR Location (FSTR, BLTR, WLTR) Measured About TR Fixed Shaft in Y-Direction
$\dot{r}_{sTR}$	Aircraft Angular Accelerations at TR Location (FSTR, BLTR, WLTR) Measured About TR Fixed Shaft in Z-Direction

Symbol	Definition
T_{TR}	Tail Rotor Thrust
ϕ b	Aircraft Roll Attitude
θ b	Aircraft Pitch Attitude
ψ b	Aircraft Yaw Attitude
a_{xp}	Longitudinal Acceleration at Pilot Location (Along Body Z-Direction)
a_{yp}	Lateral Acceleration at Pilot Location (Along Body Y-Direction)
a_{zp}	Normal Acceleration at Pilot Location (Along Body Z-Direction)
F_{yITRb3}	Inertial Force Along TR Blade #3 (Spar) in the Y-Direction
$*T_{ITR}$	Total (Sum of All Three Blades) TR Inertial Force Along TR Shaft (-) Z-Direction
$*H_{ITR}$	Total (Sum of All Three Blades) TR Inertial Force Along TR Shaft (-) X-Direction
$*J_{ITR}$	Total (Sum of All Three Blades) TR Inertial Force Along TR Shaft (-) Y-Direction
$*M_{HITR}$	Total TR Hub Pitching Moment Due to Blade Inertial Loads (Moment About Shaft Y-Axis)
$*L_{HITR}$	Total TR Hub Rolling Moment Due to Blade Inertial Loads (Moment About Shaft X-Axis)
$*Q_{HITR}$	Total Moment About Shaft Due to Blade Inertial Loads (Moment About Shaft Z-Axis)
$\dot{p}$	Aircraft Roll Acceleration
$\dot{q}$	Aircraft Pitch Acceleration
$\dot{r}$	Aircraft Yaw Acceleration
p	Roll Rate
q	Pitch Rate

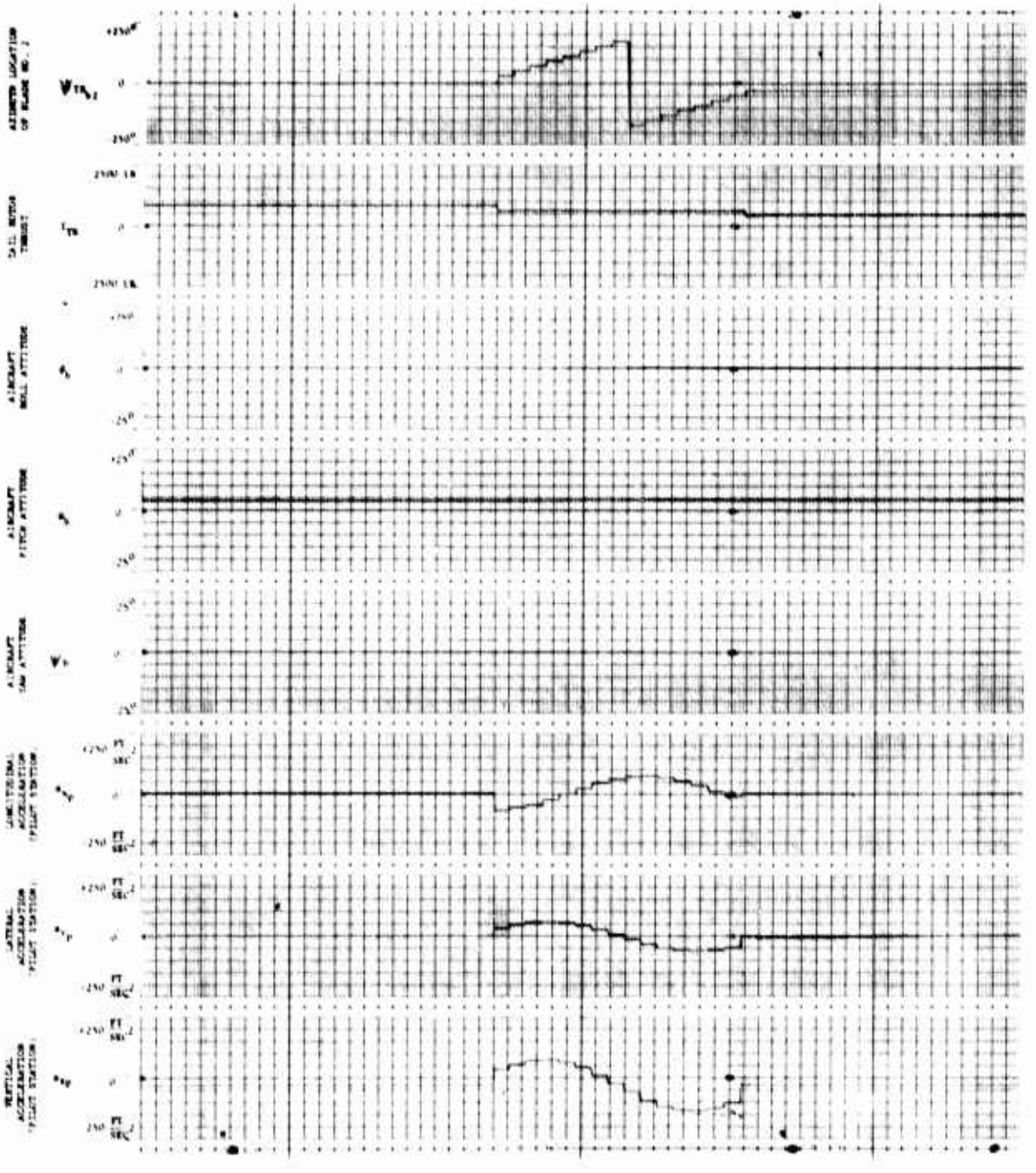
Symbol	Definition
r	Yaw Rate
V	Airspeed

*These total forces and moments imply the summation for all three blades and are the inertial contributions without aerodynamic contributions.



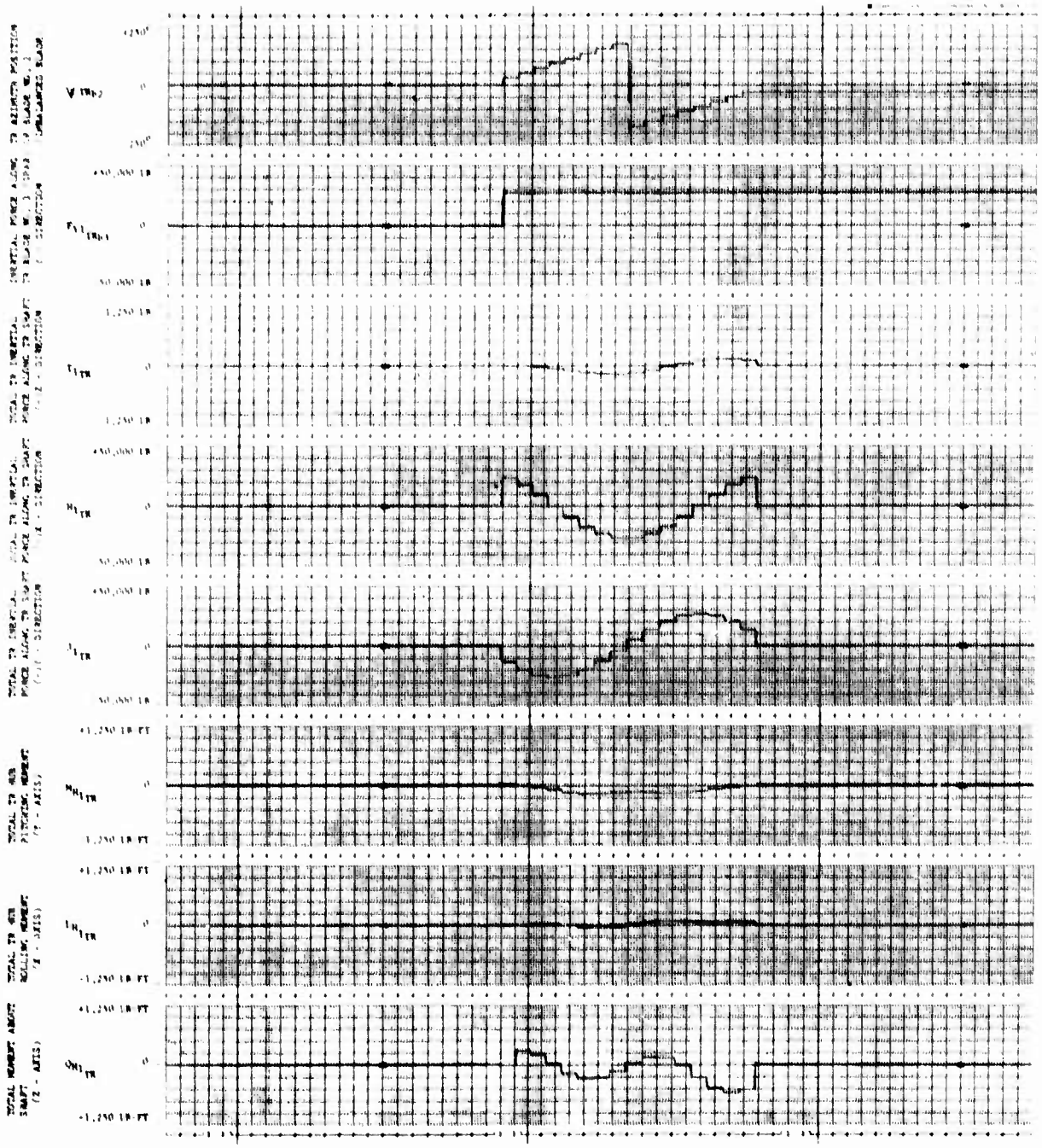
G.W.: 16,450 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF
H_D: SLS

Figure D-1. Stepped Transition Time History



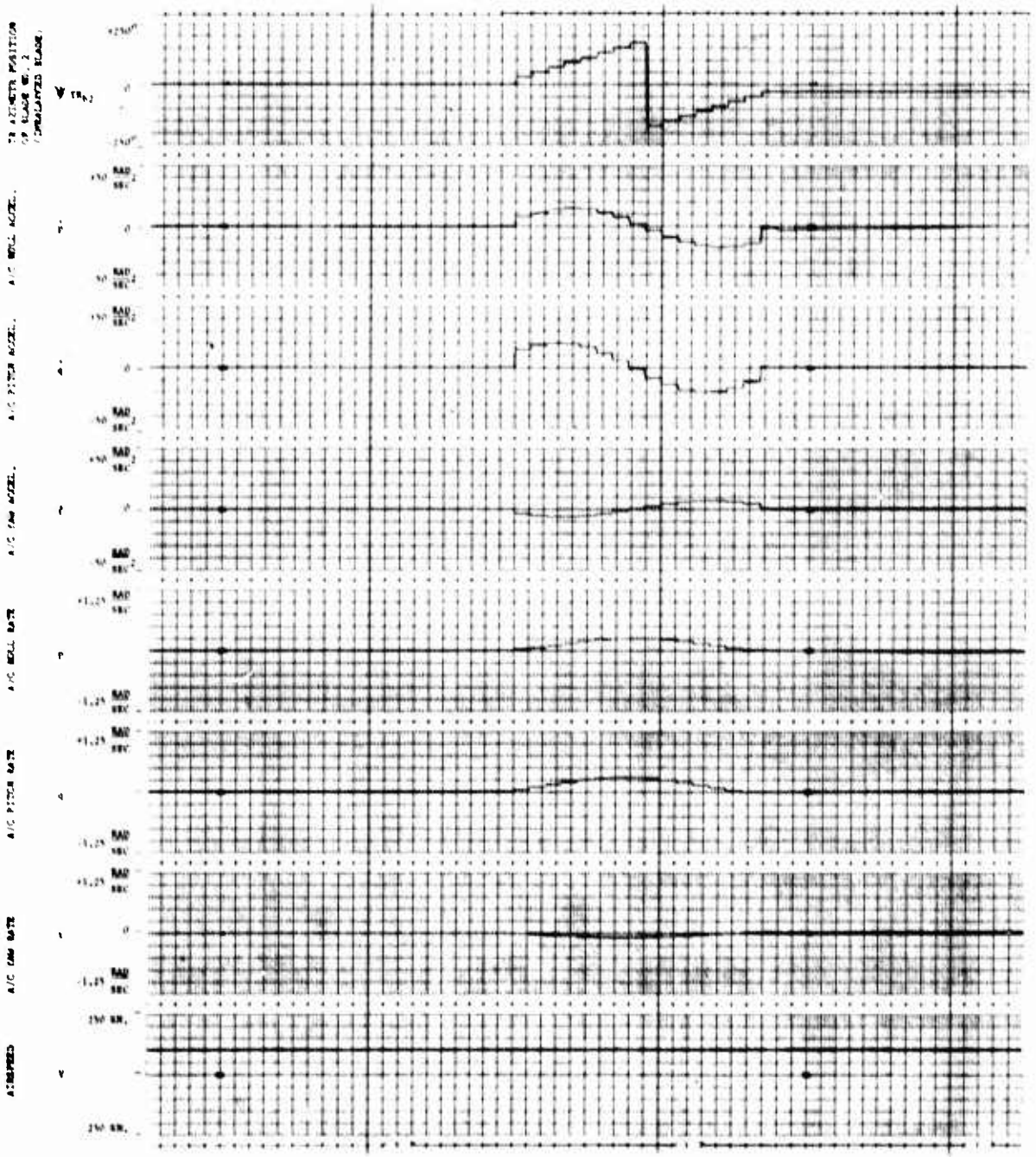
G.W.: 16,450 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: SLS

Figure D-1. (continued)



G.W.: 16,450 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: SLS

Figure D-1. (continued)



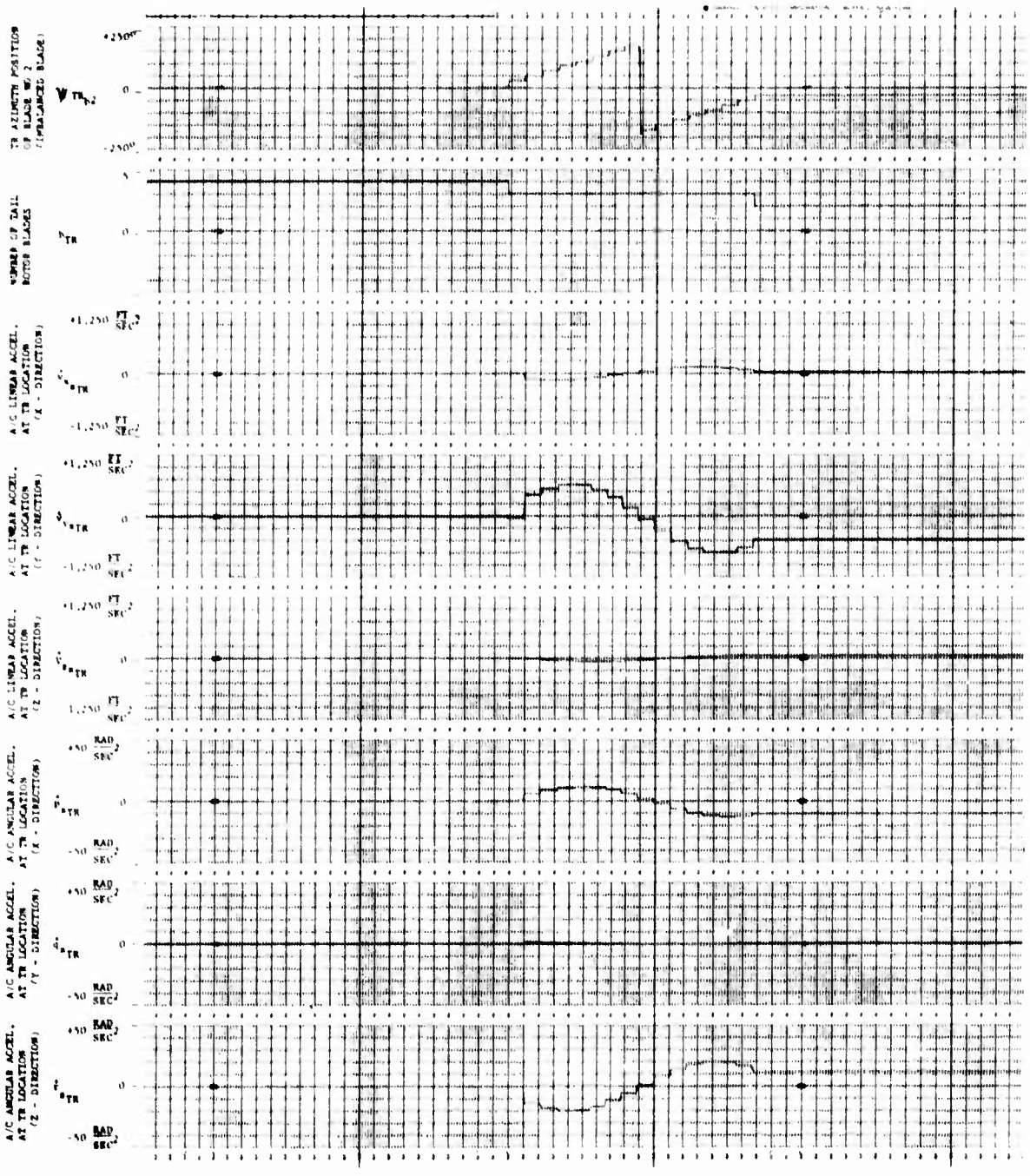
G.W.: 16,450 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: SLS

Figure D-1. (continued)

UTTAS(376) 1-21-77 18-NOV-77 RUN 9.

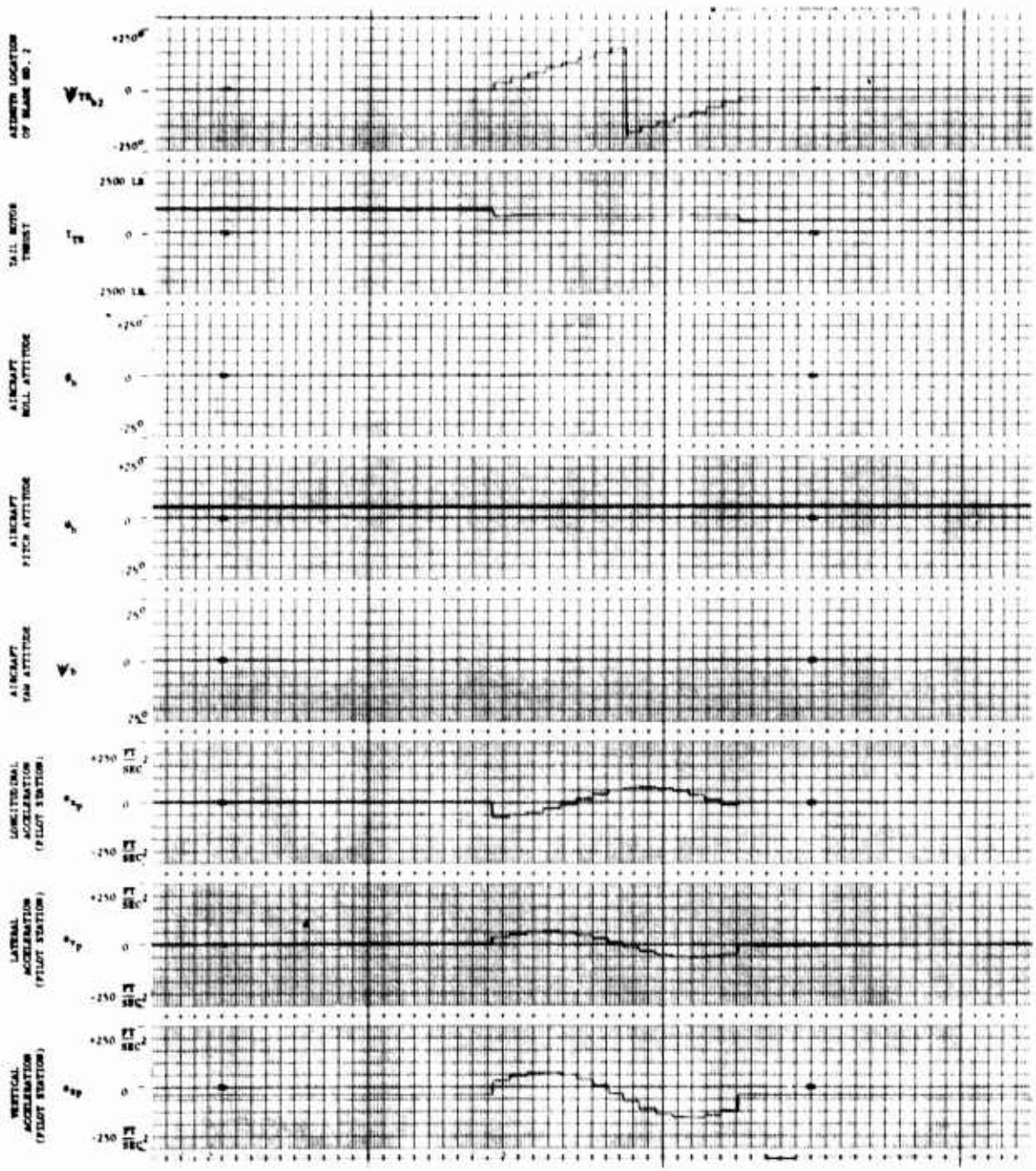
WEIGHT	16450.0	FSCG	360.20000	V	100.0	PSITR2	0.0
IX	4330.0	WLCG	245.89999	DELB	-5.0	VXSTR.	0.0
IY	38515.0	RHO	0.23760000E-2	VBOUND	1116.0	VYSTR.	0.0
IZ	37363.0	TIME	0.28990000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NOSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.55000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1217.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.59346281	A1S	-1.2161287	IHT	-2.7695562	XA	46.298737
LNGSTK	0.7472700	B1S	0.8851660	IS	-3.0	XB	19.898889
COLSTK	16.525114	THETAB	16.525114	TH75MR	6.4451148	XC	37.781963
PEDAL	11.187155	THETTR	18.441292	TH75TR	4.9412920	XP	58.598854
XAIN	4.6290737	XBIN	1.9898889	XCIN	3.7781963	XPIN	2.7317919
XBACTP	21.024488	XBACTI	2.1024488	RSTR.	0.0	PSTR	0.0
VXB	168.65883	THETAB	3.6888852	AA0F	3.1814497	QSTR	0.0
VYB	11.391428	PHIB	0.0	AA1F	-5.6861862	RSTR	0.0
VZB	18.847795	BETAWF	3.6790895	BB1F	0.88649945E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.1980659	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.24187694	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.36288885	MHITR	0.0
ALFWF	0.55088986	EKTX	1.3847468	EKWFX	0.92684998	LMITR	0.0
CMITPP	82.883848	EKTZ	1.6498261	EKWFZ	1.0879961	QMITR	0.0
EKTR	0.0	EPSHT	0.48679889	SIGWT	0.64751975	XITR	0.0
QWF	37.429361	KQHT	0.47177979	KQVT	0.83188377	YITR	0.0
MUXB	0.23325674	CTSIG	0.67870526E-1	LTOT	3.4638934	ZITR	0.0
MUYB	0.15725112E-1	CMSIG	-0.47586950E-2	DTOT	24.481068	LITR	0.0
MUZB	0.27698811E-2	CQMSIG	0.49892652E-6	TTR	837.84561	MITR	0.0
LAMBMR	-0.97539494E-2	NZ	0.99785491	HPMR	1133.2135	NITR	0.0
DWBMR	0.12522958E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.0642159
XMR	1922.8494	HBAR	-1108.6898	VXBDOT	0.15184248E-2	AYP	-0.24486269E-1
YMR	-254.36815	JBAR	254.36815	VYBDOT	-0.14368817E-1	AZP	-32.183912
ZMR	-15644.553	TBAR	15724.929	VZBDOT	0.23989519E-2	VXP	168.65883
LMR	-5026.5936	LBARH	-2281.0183	PDOT	-0.95058965E-2	VYP	11.391428
MMR	-842.14135	MBARH	-15256.386	QDOT	0.28261896E-2	VZP	18.847795
NMR	22587.512	QBAR	23883.979	RDOT	-0.29749488E-2	RSTR.	0.0
XWF	-893.68488	XT	-23.853153	XTR	0.0	PSIDMB	-158.8
YWF	-361.12768	YT	-178.11212	YTR	786.62487	BTR	4.0
ZWF	-138.22681	ZT	464.63322	ZTR	-286.38838	MADD	0.0
LWF	556.64727	LT	-395.81927	LTR	4831.4717	XADD	0.0
MWF	-3392.2619	MT	13183.227	MTR	-8878.7855	YADD	0.0
NWF	-3194.7152	NT	4978.2169	NTR	-24372.235	ZADD	0.0
XMT	-13.177281	XVT	-18.675871	ALFHTT	-4.7546483	MADD	0.0
YMT	-1.9745518	YVT	-176.13757	ALFVTT	3.8617782	LADD	0.0
ZMT	464.26319	ZVT	0.37883121	AAB81F	5.6868878		

Figure D-1. (continued)



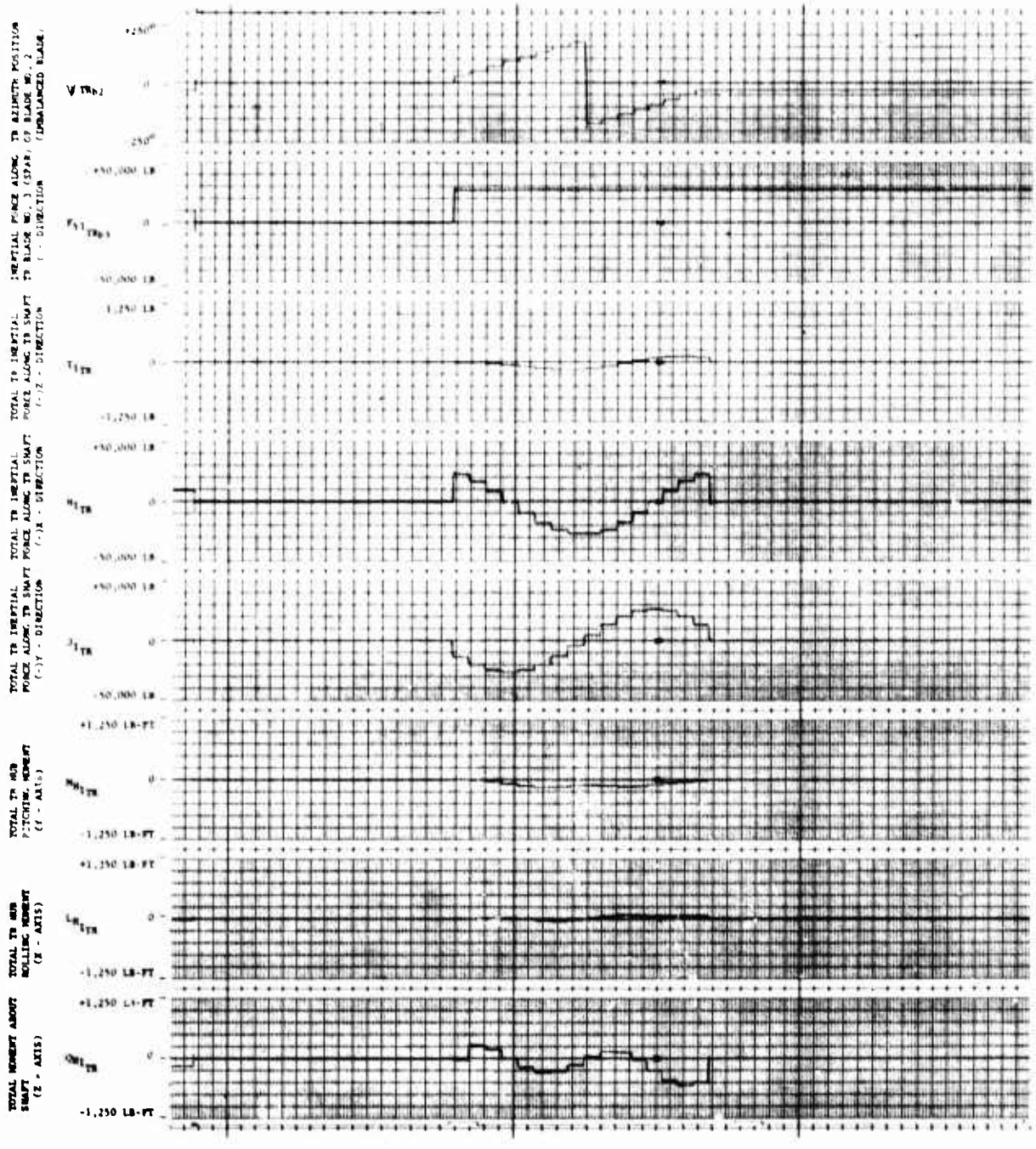
G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: SLS

Figure D-2. Stepped Transition Time History



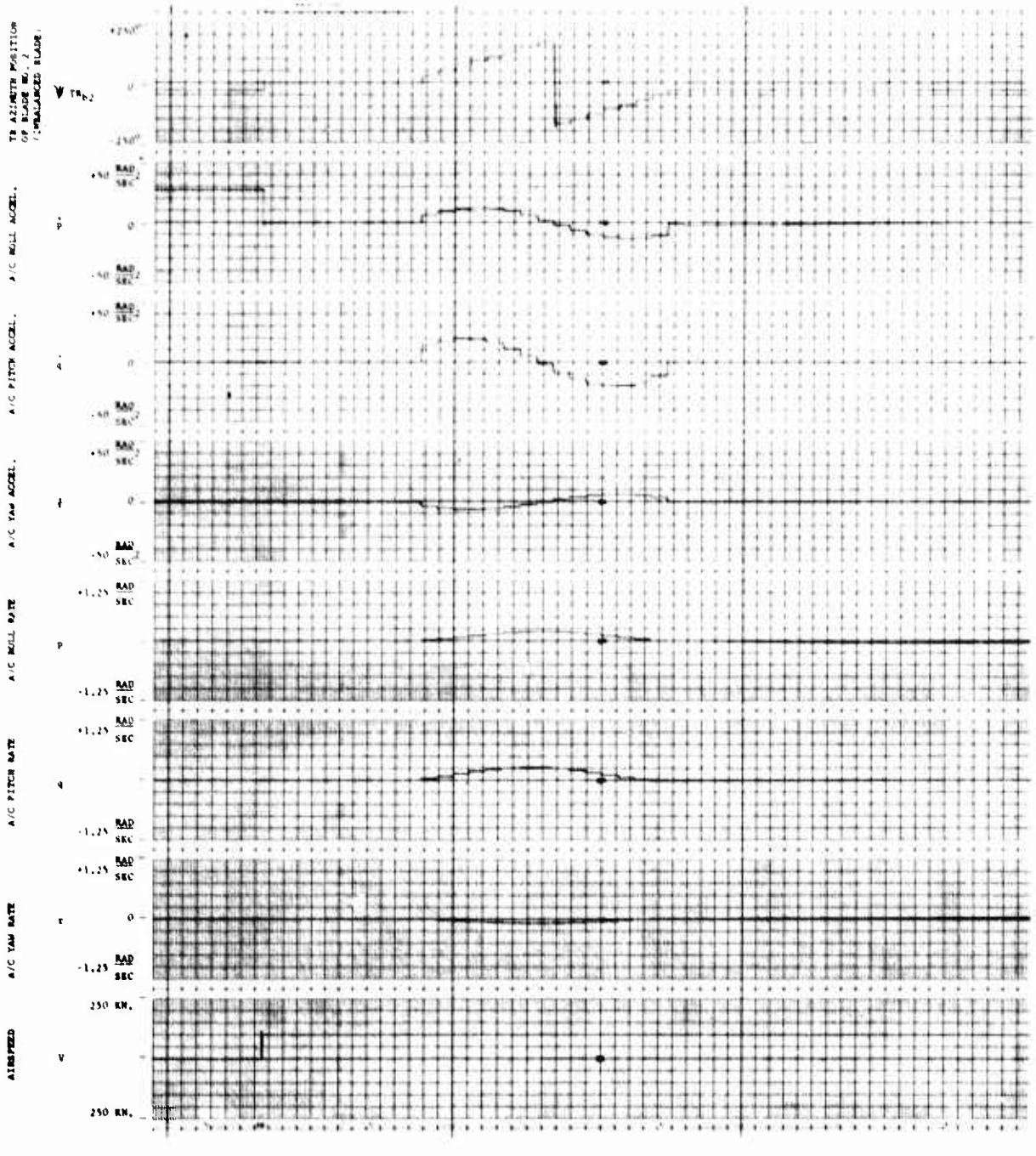
G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: SLS

Figure D-2. (continued)



G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: SLS

Figure D-2. (continued)



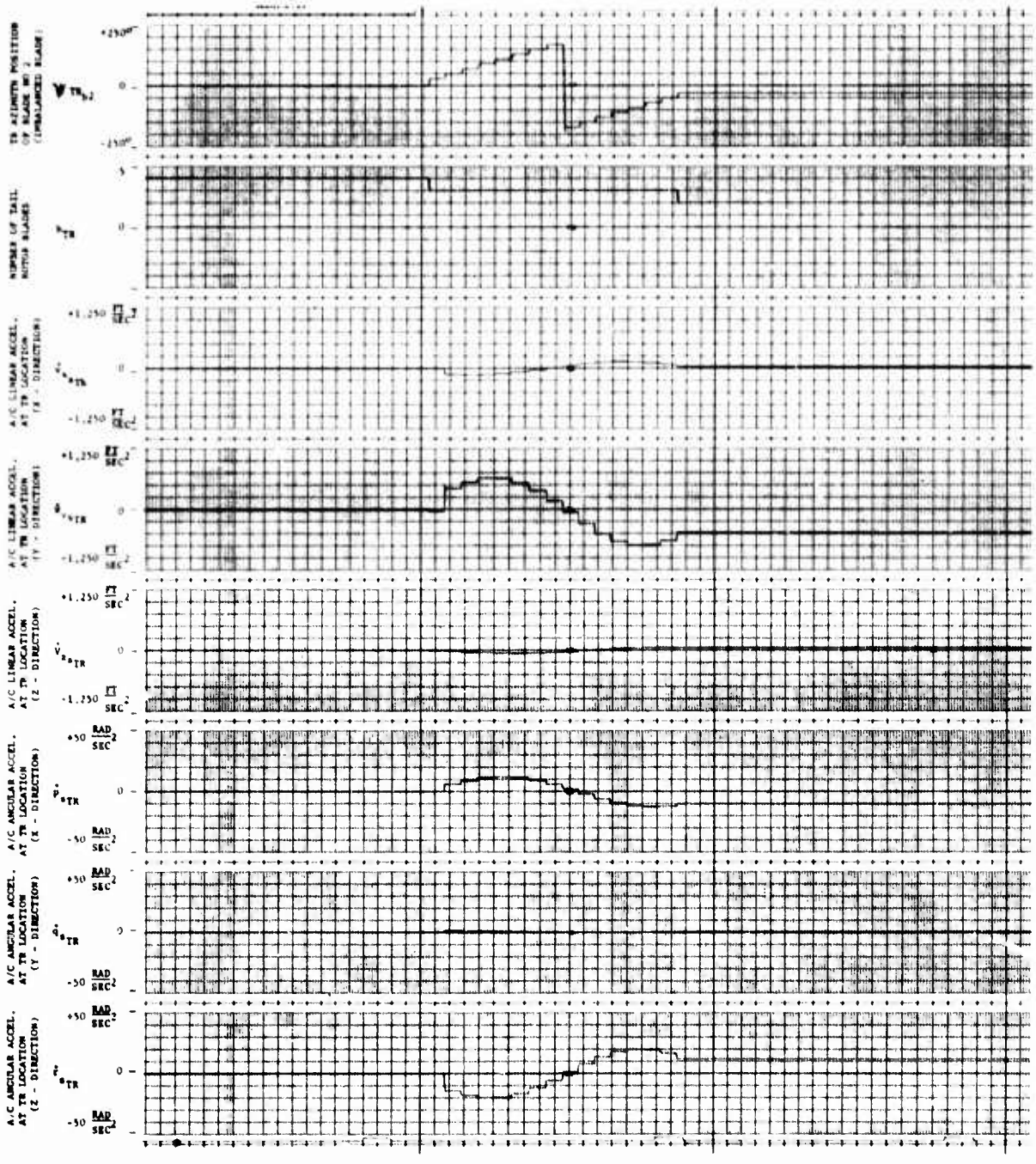
G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: SLS

Figure D-2. (continued)

UTTAS(976) 1-21-77 1-DEC-77 RUN 15.

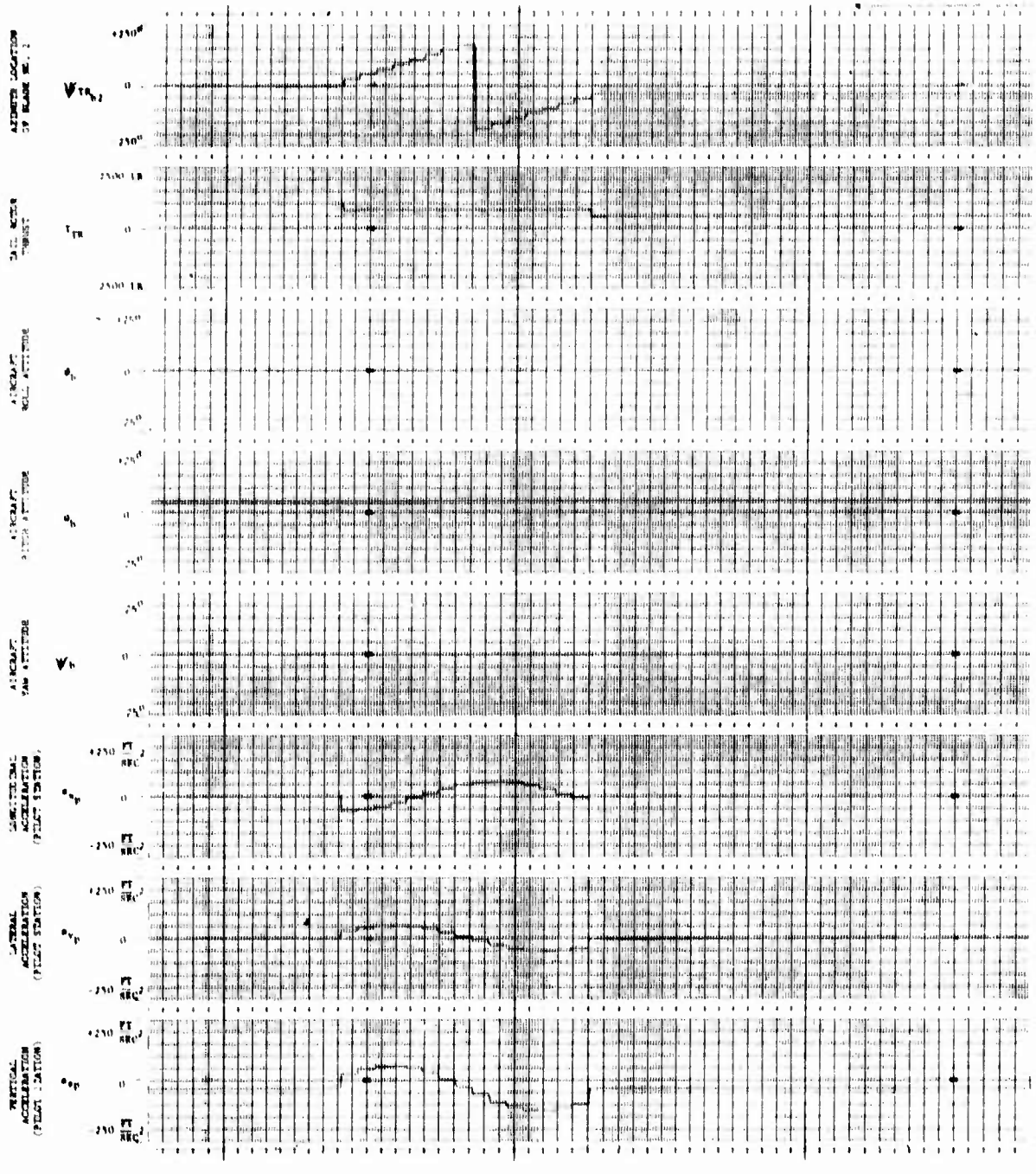
WEIGHT	19900.0	FSCG	360.20800	V	100.0	PSITR2	0.0
IX	5468.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	40287.0	RHO	0.23760000E-2	VSOUND	1117.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-2	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.55000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	1.0	PASCNT	1703.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.86487887	A1S	-1.5735975	IMT	-1.5307594	XA	44.599507
LNGSTK	0.9744305	B1S	9.5056636	IS	-3.0	XB	18.288231
COLSTK	17.368530	THETAS	17.368530	TH75MR	7.2885302	XC	43.853315
PEDAL	10.654176	THETTR	10.920412	TH75TR	5.4284127	XP	52.867596
XAIN	4.4599586	XBIN	1.0288231	XCIN	4.3853314	XPIN	2.8115771
XBACTP	20.540001	XBACTI	2.0540001	RSTR.	0.0	PSTR	0.0
VXB	160.47276	THETAB	4.4973503	AA8F	3.9343147	QSTR	0.0
VYB	11.514601	PHIB	0.0	AA1F	-5.6586446	RSTR	0.0
VZB	13.251871	BETAWF	3.6868218	BB1F	0.18634268	TITR	0.0
P	0.0	GAMC	0.0	AA8L	-4.7133896	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.32871881	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.41096448	MHITR	0.0
ALFWF	0.71208895	EKTX	1.3778799	EKWFX	0.92773891	LMITR	0.0
CMITPP	82.133764	EKTZ	1.6437669	EKWFZ	1.0878662	QMITR	0.0
EKTR	0.0	EPSWT	0.48686821	SIGWT	0.64873984	XITR	0.0
QWF	38.100876	KQWT	0.87177979	KQVT	0.83897041	YITR	0.0
MUXS	0.23316696	CTSIG	0.82561088E-1	LTOT	3.7561543	ZITR	0.0
MUYS	0.15895144E-1	CMSIG	-0.52378336E-2	DTOT	24.538828	LITR	0.0
MUZS	0.68956703E-2	CQMSIG	0.63299851E-6	TTR	923.23728	MITR	0.0
LAMBMR	-0.98877986E-2	NZ	1.0024484	HPMR	1356.5269	NITR	0.0
DWSMMR	0.15103461E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.1252819
XMR	2212.8891	MBAR	-1213.5541	VXBDOT	-0.36712519	AYP	-0.46938086
YMR	-489.79852	JBAR	489.79852	VYBDOT	-0.15216057	AZP	-32.283221
ZMR	-19837.561	TBAR	19128.772	VZBDOT	-0.17898862	VXP	160.47276
LMR	-6253.4930	LBARM	-2350.6513	PDOT	-0.12327964	VYP	11.514601
MMR	2841.7548	MBARM	-15296.689	QDOT	0.83272937E-2	VZP	13.251871
NMR	26793.483	QBAR	27632.954	RDOT	0.36313886E-1	RSTR.	0.0
XWF	-918.96868	XT	-22.978491	XTR	0.0	PSIDMG	-158.0
YWF	-360.41143	YT	-179.69472	YTR	867.62377	BTR	4.0
ZWF	-154.46675	ZT	373.22594	ZTR	-319.78983	MADD	0.0
LWF	567.82581	LT	-399.98488	LTR	5328.9746	XADD	0.0
MWF	-3314.2784	MT	10592.218	MTR	-9784.2216	YADD	0.0
NWF	-3257.7543	NT	5014.3805	NTR	-26881.876	ZADD	0.0
XMT	-12.448448	XVT	-18.538842	ALFMTT	-3.7960076	MADD	0.0
YMT	-1.8171688	YVT	-177.87755	ALFVTT	3.9184495	LADD	0.0
ZMT	372.82598	ZVT	0.39997824	AA8BIF	5.6596437		

Figure D-2. (continued)



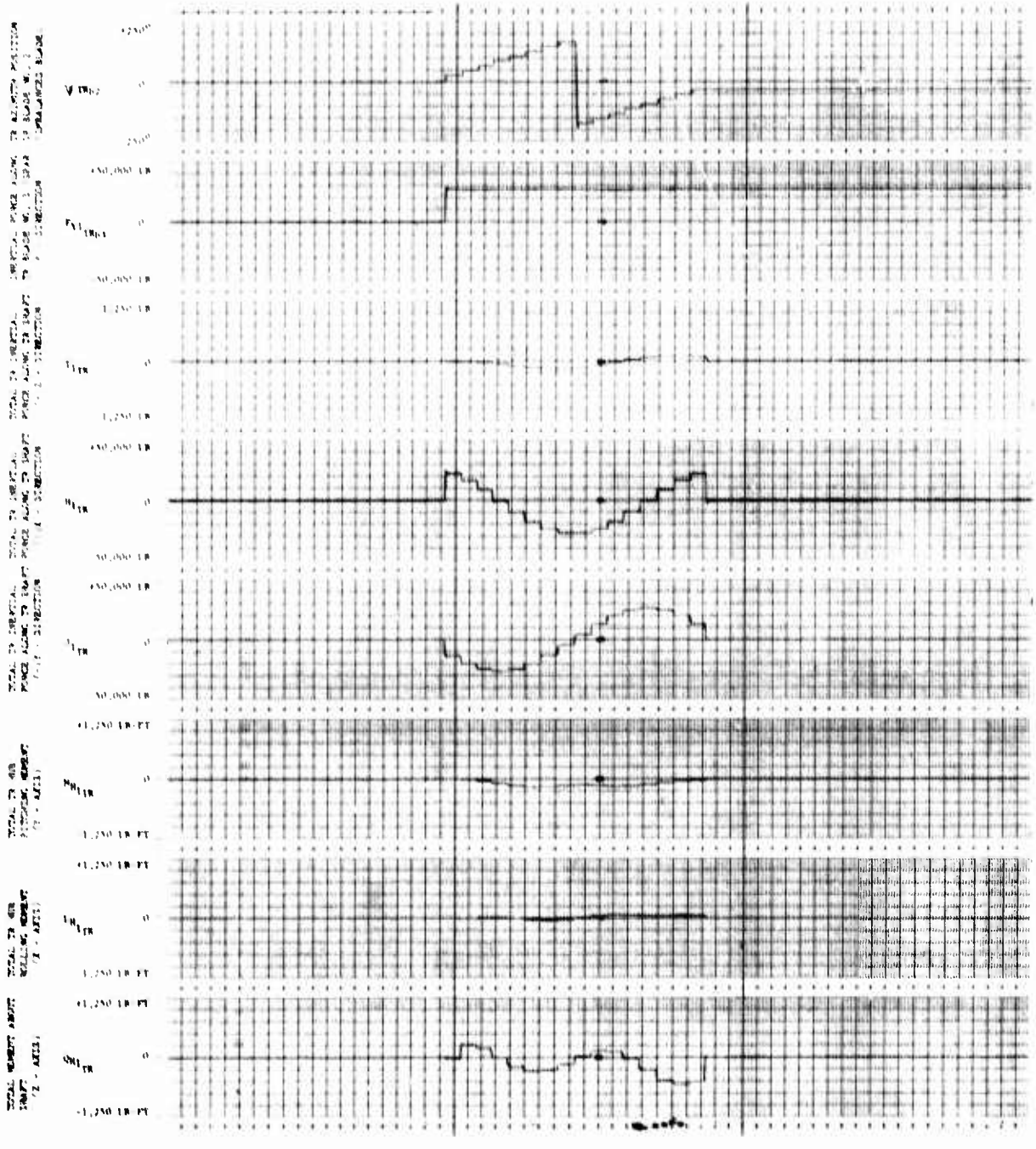
G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-3. Stepped Transition Time History



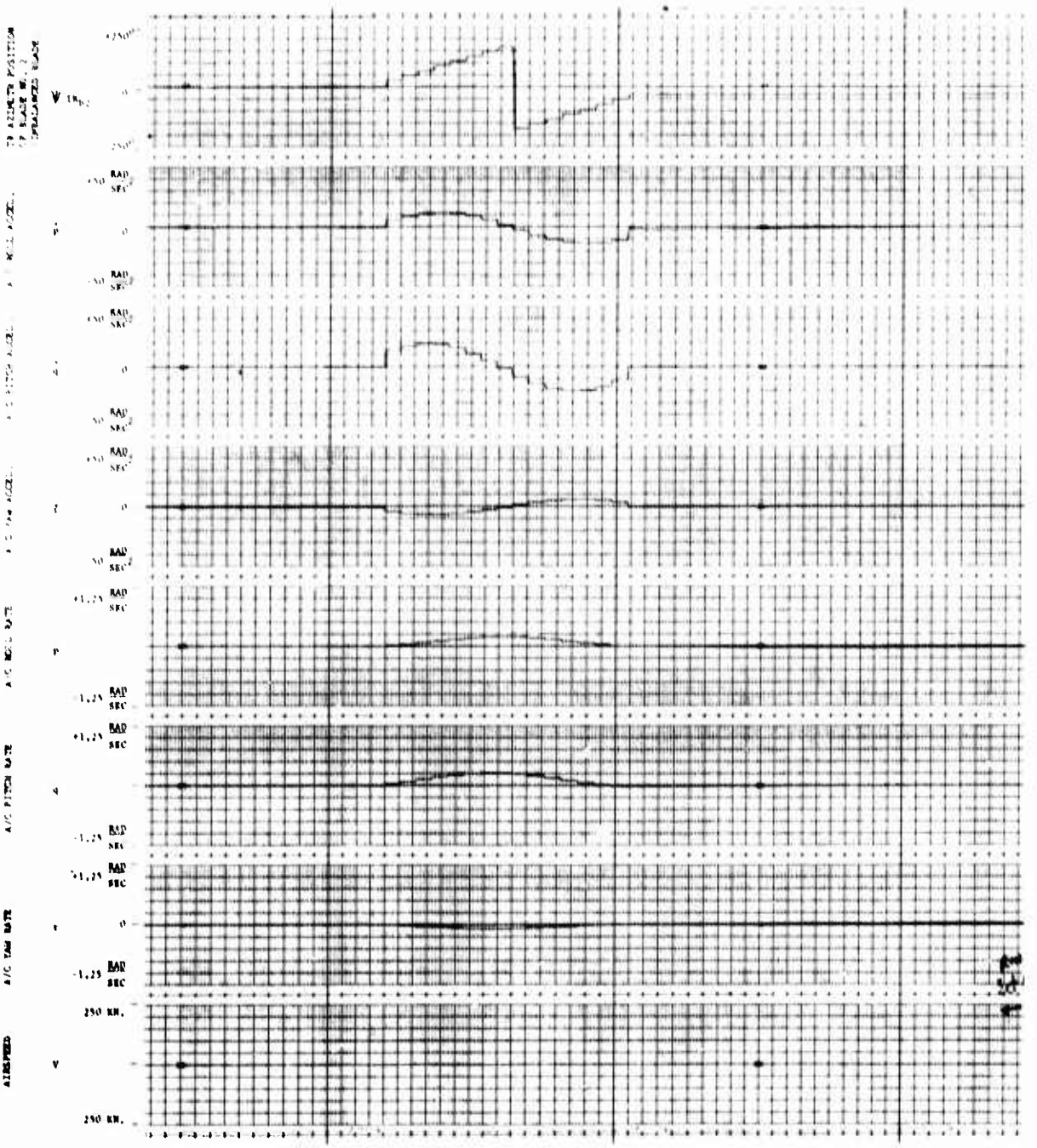
G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-3. (continued)



G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-3. (continued)

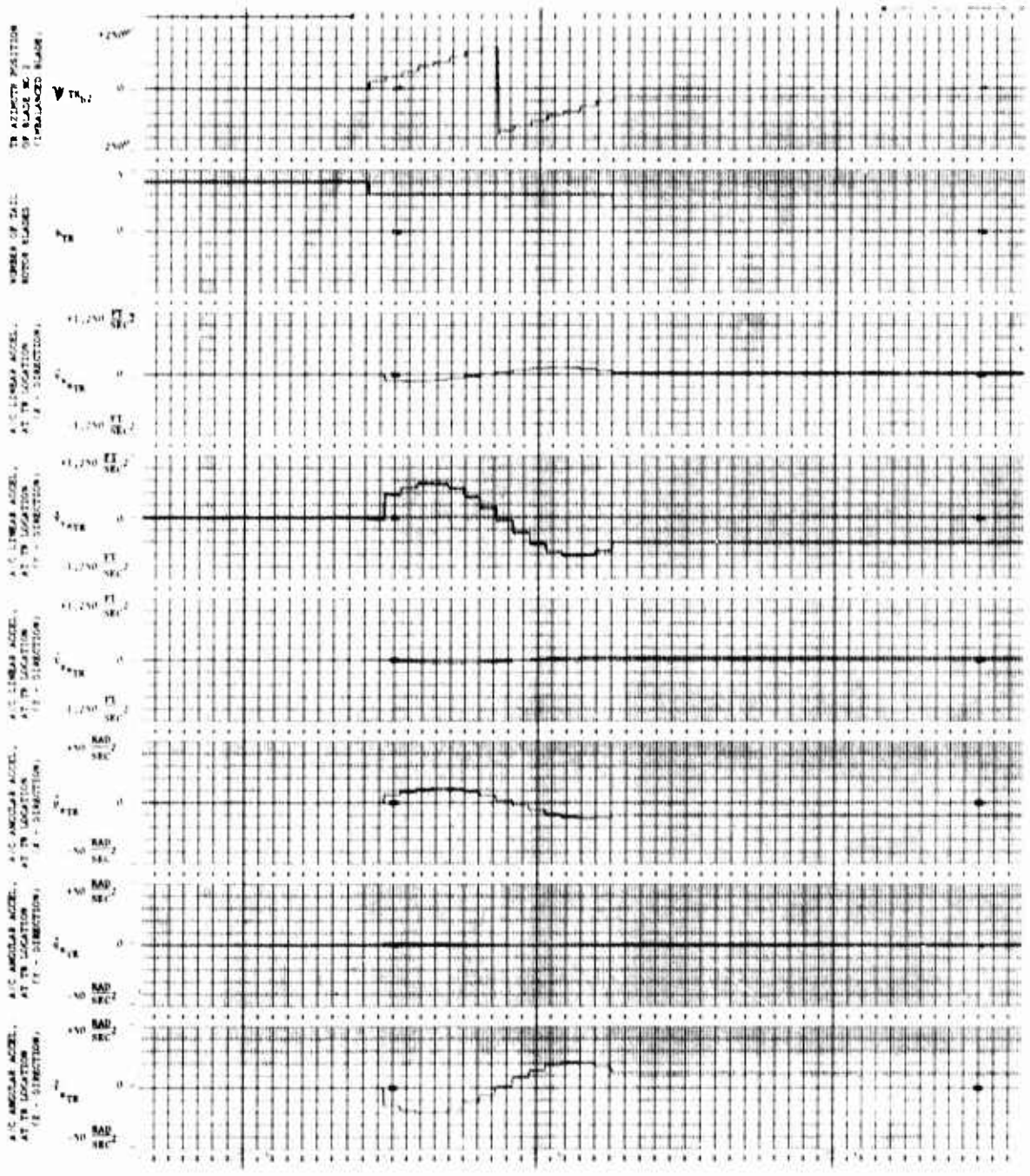


G.W.: 19,900 Lb. FSCG: 360.2 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-3. (continued)

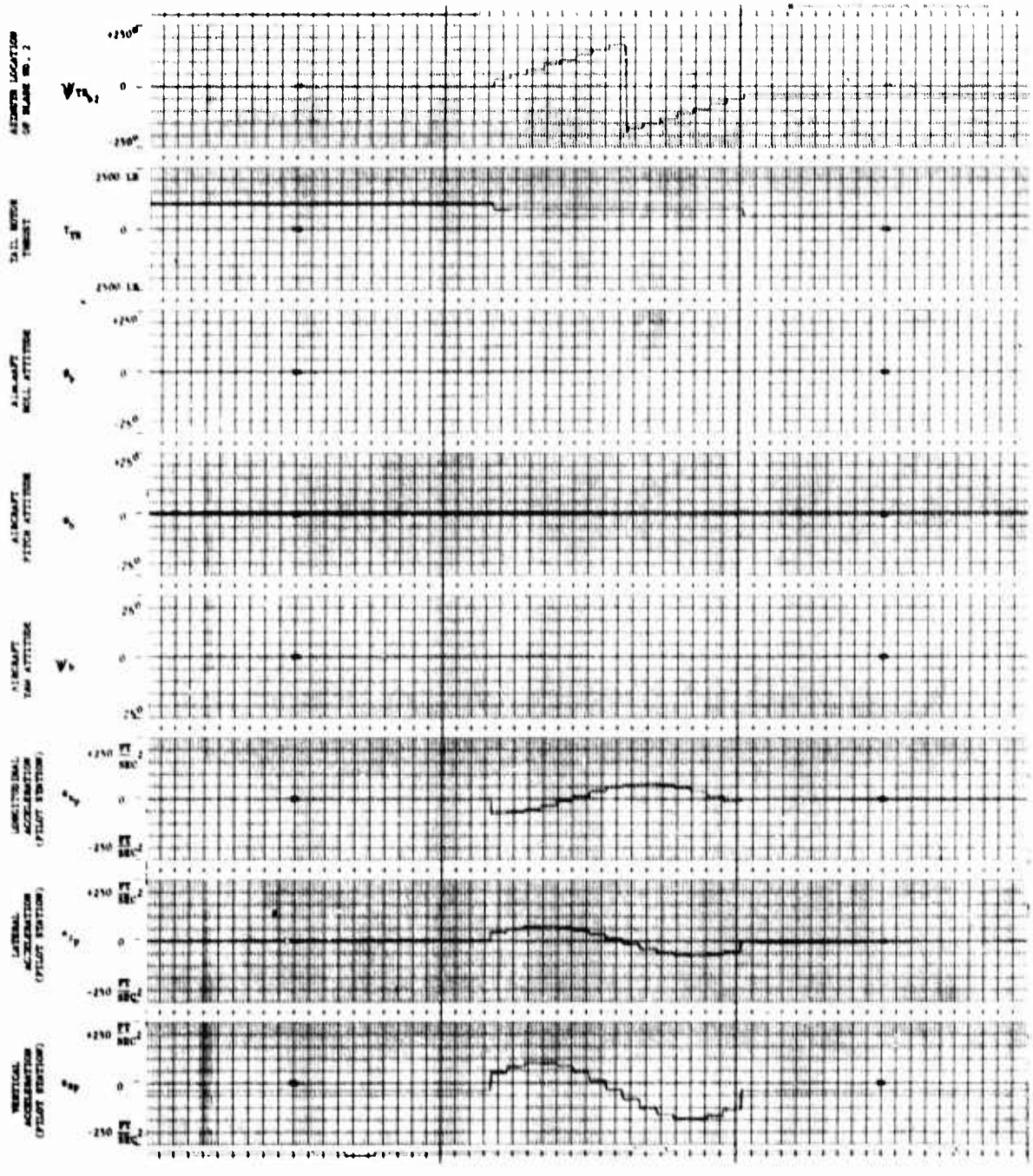
WEIGHT	19980.0	FSCG	360.28888	V	188.8	PSITR2	0.0
IX	5468.8	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	40287.8	RHO	0.17568888E-2	VSOUND	1077.8	VYSTR.	0.0
IZ	38224.8	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.8	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.55088	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
XFR	1.0	PASCNT	1521.0	WLMT	234.0	FSVT	695.0
FSMT	788.48888	SMT	45.0	SVT	32.388888	QSTR.	0.0
LATSTR	-1.1828375	A1B	-2.8265886	IMT	1.9187491	XA	43.112269
LNGSTR	0.5865921	B1B	9.4478191	IB	-3.0	XB	19.658684
COLSTR	19.456146	THETAB	19.456146	TH7SMR	9.3761466	XC	56.188917
PEDAL	18.927249	THETTR	21.698625	TH7STR	0.1986258	XP	51.318573
XAIN	4.3112265	XBIN	1.9658684	XCIN	5.6188916	XPIN	2.7786989
XBACTP	21.718193	XBACTI	2.1718192	RSTR.	0.0	PSTR	0.0
VXB	168.59984	THETAB	4.8857687	AA8F	4.1269187	QSTR	0.0
VYB	13.688913	PHIB	0.0	AA1F	-4.8681123	RSTR	0.0
VZB	11.887422	BETAWP	4.2713551	BB1F	0.98767874E-1	TITR	0.0
P	0.0	GAMC	0.0	AA8L	-5.2853561	MITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.36248959	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.23883248	MMITR	0.0
ALFWF	-0.92723035	EXTX	1.3271985	EXWFX	0.92583362	LMITR	0.0
CMITPP	81.987202	EXTZ	1.7818084	EXWFZ	1.0888128	QMITR	0.0
EXTH	0.0	EPSWT	0.49271355	SIGWT	0.75175852	XITR	0.0
QWF	29.384876	XQMT	0.87177979	XQVT	0.82814882	YITR	0.0
MUXB	0.23325578	CTBIG	0.11878312	LTOT	1.5958656	ZITR	0.0
MUYB	0.18786282E-1	CMBIB	-0.69353528E-2	DTOT	24.434278	LITR	0.0
MUZB	0.48954685E-2	CQMBIG	0.89985886E-6	TTR	1888.4578	MITR	0.0
LAMBMR	-0.16123865E-1	NZ	0.99454892	HPMR	1377.7843	NITR	0.0
DWBMR	0.28218534E+1	VC	0.71525573E-5	XTRBLK	1.0	AXP	2.5815385
XMR	2176.8528	MBAR	-1186.5571	VXBDOT	0.24358972	AYP	0.66815851
YMR	-287.92724	JBAR	287.92724	VYBDOT	0.29268293	AZP	-31.929854
ZMR	-18858.477	TBAR	18968.882	VZBDOT	0.99848965E-1	VXP	168.59984
LMR	-4855.7333	LBARM	-1468.8978	PDOT	0.28262978	VYP	13.688913
MMR	7286.5853	MBARM	-18846.266	QDOT	-0.59863979E-2	VZP	11.887422
NMR	27461.586	QBAR	28864.348	RDOT	0.22989854E-2	RSTR.	0.0
XWF	-694.19282	XT	-3.7337891	XTR	0.0	PSIDMG	-158.0
YWF	-327.93775	YT	-158.68654	YTR	948.19274	RTR	4.0
ZWF	-35.584778	ZT	244.23486	ZTR	-342.28283	MADD	0.0
LWF	519.81357	LT	-335.21935	LTR	5774.6957	XADD	0.0
MWF	-3784.8117	MT	6938.9168	MTR	-18682.584	YADD	0.0
NWF	-2988.5615	NT	4284.8588	NTR	-29138.384	ZADD	0.0
XMT	2.8474583	XVT	-5.7811594	ALFMTT	-3.8889157	MADD	0.0
YMT	-1.5634161	YVT	-149.12312	ALFVTT	4.6548783	LADD	0.0
ZMT	243.72989	ZVT	0.58577688	AABB1F	4.8613135		

Figure D-3. (continued)



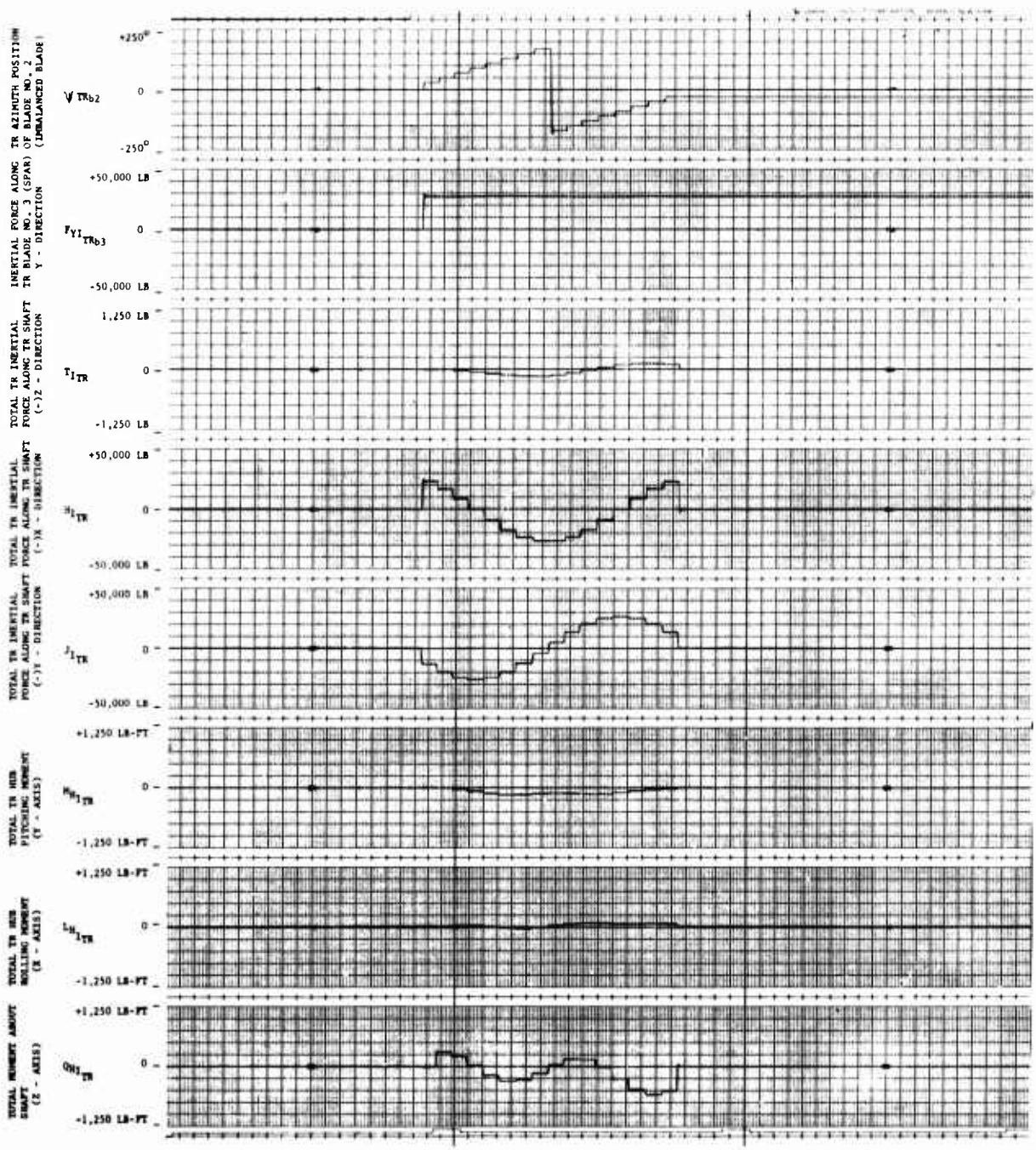
G.W.: 19,900 Lb. FSCG: 347 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-4. Stepped Transition Time History



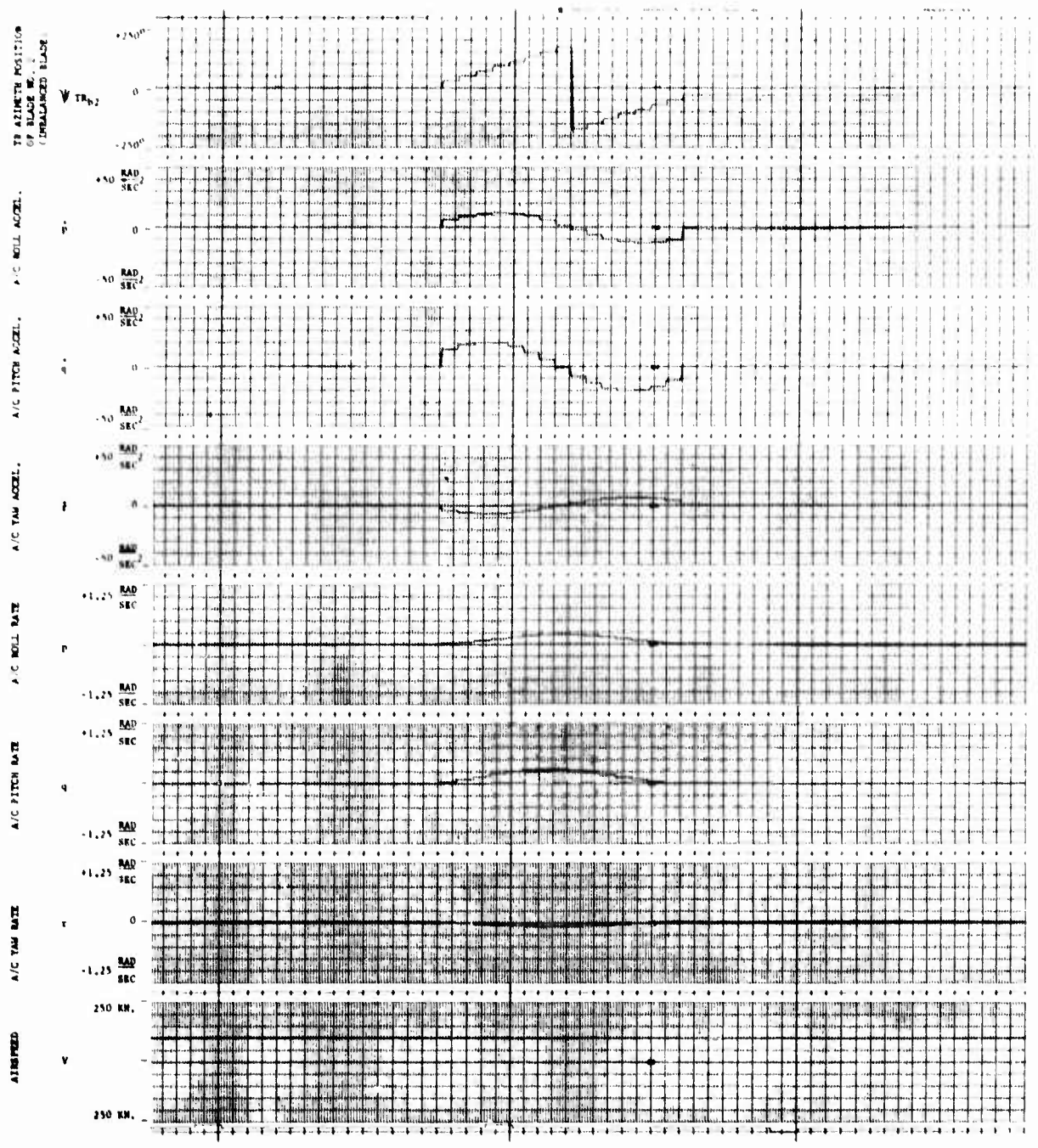
G.W.: 19,900 Lb. FSCG: 347 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-4. (continued)



G.W.: 19,900 Lb. FSCG: 347 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-4. (continued)



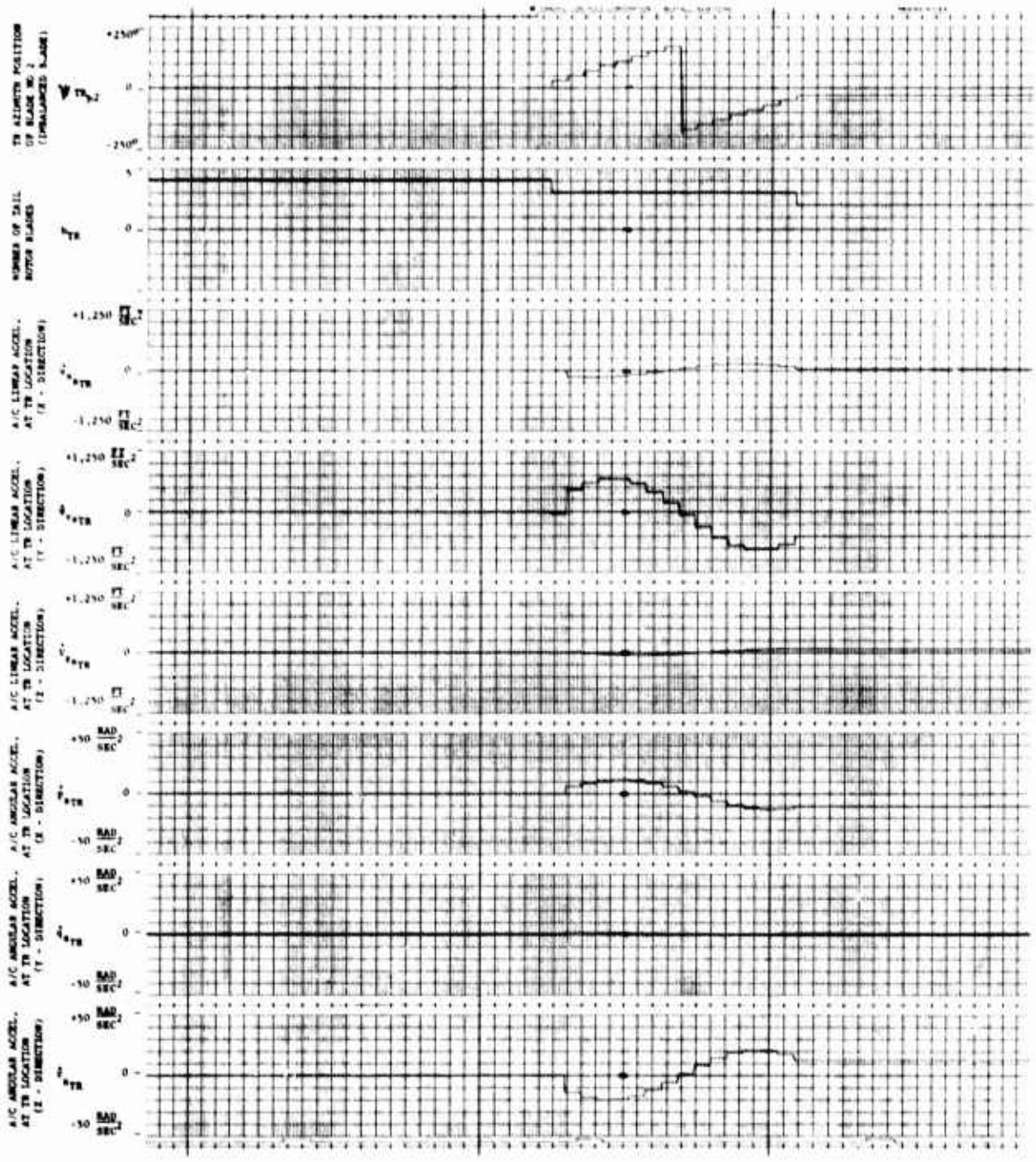
G.W.: 19,900 Lb. FSCG: 347 V: 100 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-4. (continued)

UTTAS(376) 1-21-77 1-DEC-77 RUN 17.

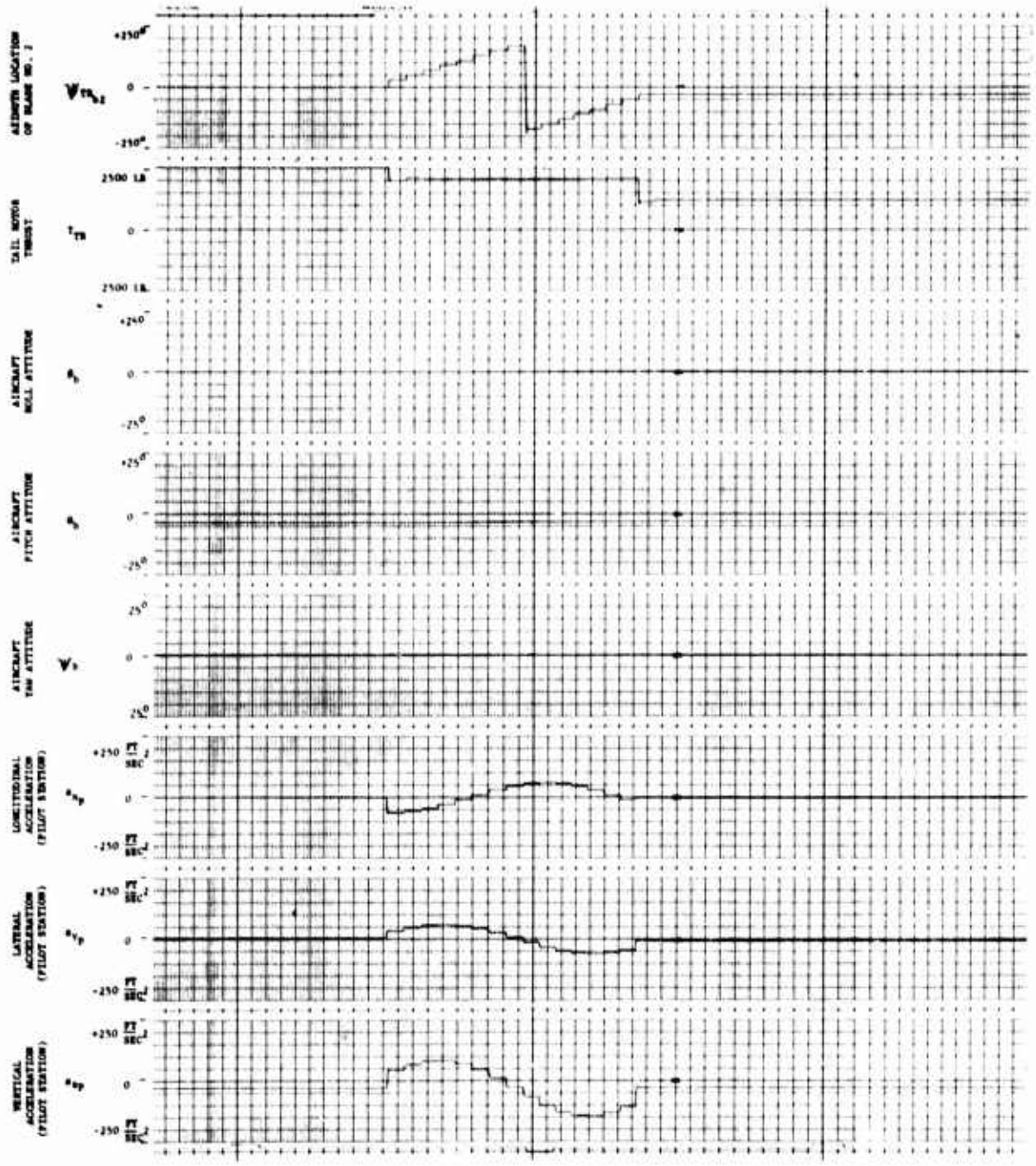
WEIGHT	19900.0	FSCG	347.0	V	100.0	PSIIR2	0.0
IX	5468.0	WLCG	245.89999	DELB	-5.0	VXSTR.	0.0
IY	48287.0	RHO	0.17568000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	30224.0	TIME	0.26000000E-2	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	124.55000	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
KER	1.0	PASCNT	1223.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-1.8498328	A1S	-1.9949652	IMT	2.4679198	XA	43.438549
LNGSTK	5.5483266	B1S	6.4841892	IS	-3.0	XB	30.394605
COLSTK	19.647312	THETA0	19.647312	TH75MR	9.5673125	XC	57.295705
PEDAL	11.142235	THETTR	22.143018	TH75TR	8.6430188	XP	50.714502
XAIN	4.3438549	XBIN	3.8394605	XCIN	5.7295705	XPIN	2.7385162
XBACTP	31.265986	XBACTI	3.1265986	RSTR.	0.0	PSTR	0.0
VXB	168.95861	THETAB	0.91977100	AABF	4.2184171	QSTR	0.0
VYB	12.142984	PHIB	0.0	AA1F	-0.74836538	RSTR	0.0
VZB	2.7126448	BETAWF	3.7894253	BB1F	0.25088155	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-5.3677839	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.26023933	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.78038881E-1	MHITR	0.0
ALFWF	-3.8646721	EKTX	1.1919474	EKWFX	0.92768848	LHITR	0.0
CHITPP	82.129878	EKTZ	1.8075477	EKWFZ	1.0078701	QHITR	0.0
EKTR	0.0	EPSWT	0.48789425	SIGWT	0.66693887	XITR	0.0
QWF	29.611737	KQWT	0.87177979	KQVT	0.83847251	YITR	0.0
MUXB	0.23309438	CTSIG	0.11361789	LTOT	-2.1218364	ZITR	0.0
MUYB	0.16762585E-1	CHSIG	0.79523682E-3	DTOT	24.337884	LITR	0.0
MUZB	-0.84678658E-2	COHSIG	0.91898559E-6	TTR	1023.8982	MITR	0.0
LAMBMR	-0.29105845E-1	NZ	1.0034618	HPMR	1453.5976	NITR	0.0
DWBMMR	0.28638779E-1	VC	0.17881393E-5	KTRBLK	1.0	AXP	0.38496639
XMR	881.45279	MBAR	136.85566	VXBDOT	-0.13622488	AYP	-0.18366821
YMR	-572.32478	JBAR	572.32478	VYBDOT	-0.72858371E-1	AZP	-32.319692
ZMR	-19417.656	TBAR	19438.685	VZBDOT	-0.11923628	VXP	168.95861
LMR	-6461.7279	LBARM	-1478.3987	PDOT	-0.64248889E-1	VYP	12.142984
MMR	2598.4241	MBARM	-1982.3948	QDOT	-0.21118615E-2	VZP	2.7126448
NMR	29281.688	QBAR	29610.322	RDOT	-0.20931114E-2	RSTR.	0.0
XWF	-695.96969	XT	41.882624	XTR	0.0	PSIDMG	-158.8
YWF	-293.96351	YT	-139.15789	YTR	962.22113	BTR	4.0
ZWF	118.87737	ZT	583.73477	ZTR	-358.22053	MADD	0.0
LWF	512.44532	LT	-387.22547	LTR	5989.9948	XADD	0.0
MWF	-6337.6183	MT	14898.347	MTR	-11236.241	YADD	0.0
NWF	-2381.8253	NT	4036.5537	NTR	-38871.268	ZADD	0.0
XMT	48.195748	XVT	-7.1131234	ALFMTT	-6.4887253	NADD	0.0
YMT	-2.1659858	YVT	-136.99191	ALFVTT	4.1478971	LADD	0.0
ZMT	582.62489	ZVT	1.1898814	AA0B1F	0.78984469		

Figure D-4. (continued)



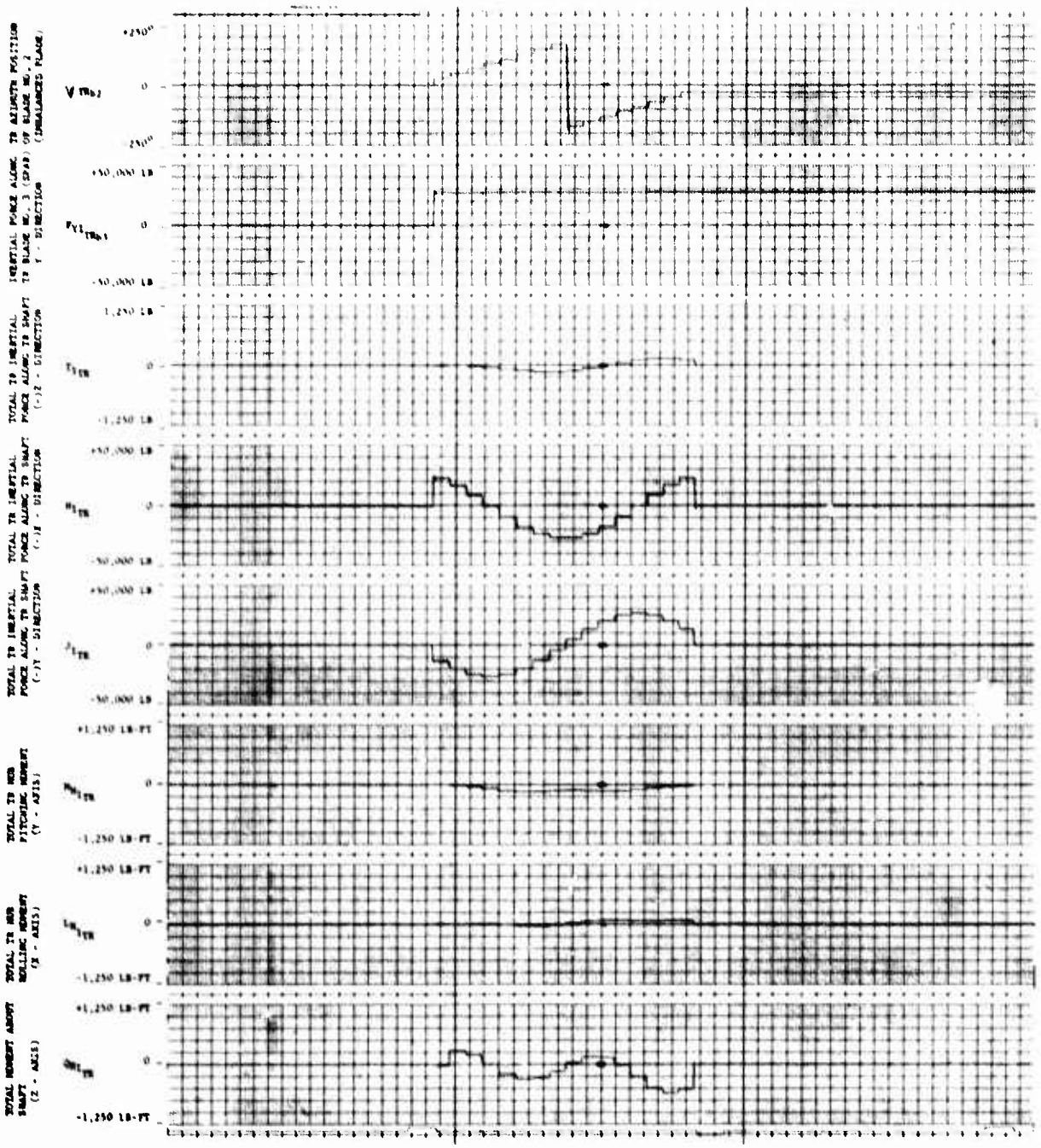
G.W.: 19,900 Lb. FSCG: 347 V: 150 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-5. Stepped Transition Time History



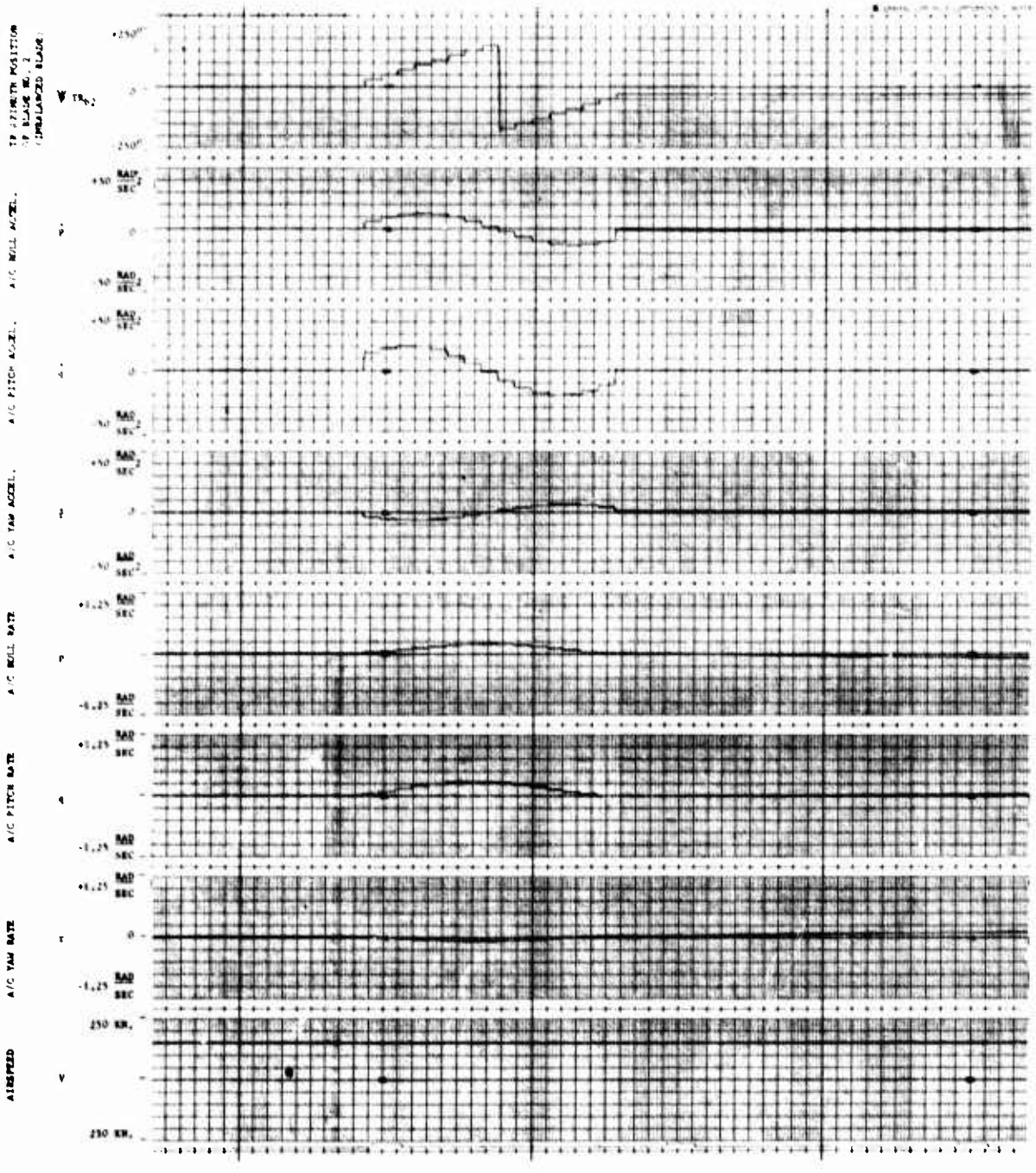
G.W.: 19,900 Lb. FSCG: 347 V: 150 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-5. (continued)



G.W.: 19,900 Lb. FSCG: 347 V: 150 Kts N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-5. (continued)

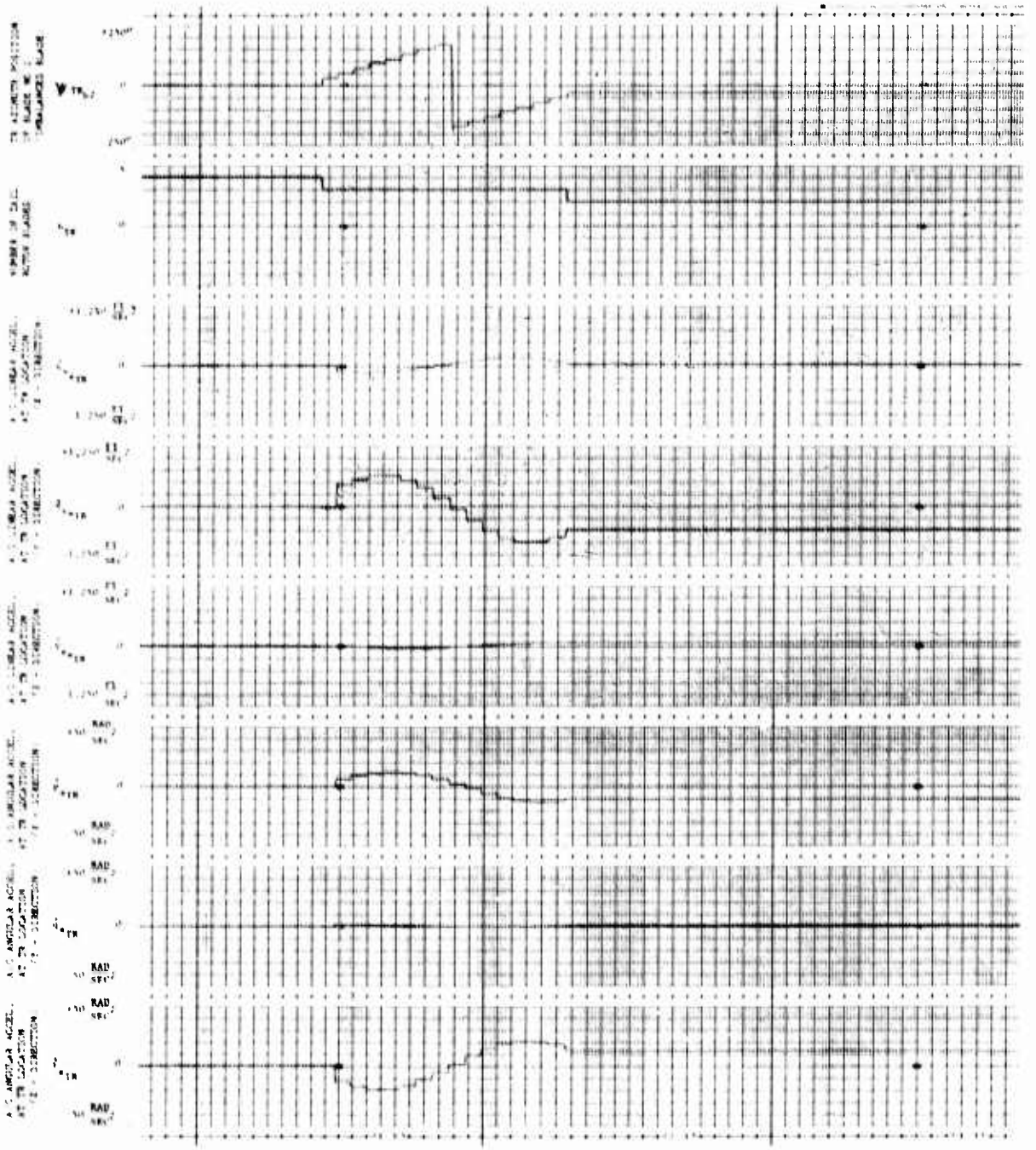


G.W.: 19,900 Lb. FSCG: 347 V: 150 Kts N_R: 100% SAS: OFF H_D 10,000 Ft

Figure D-5. (continued)

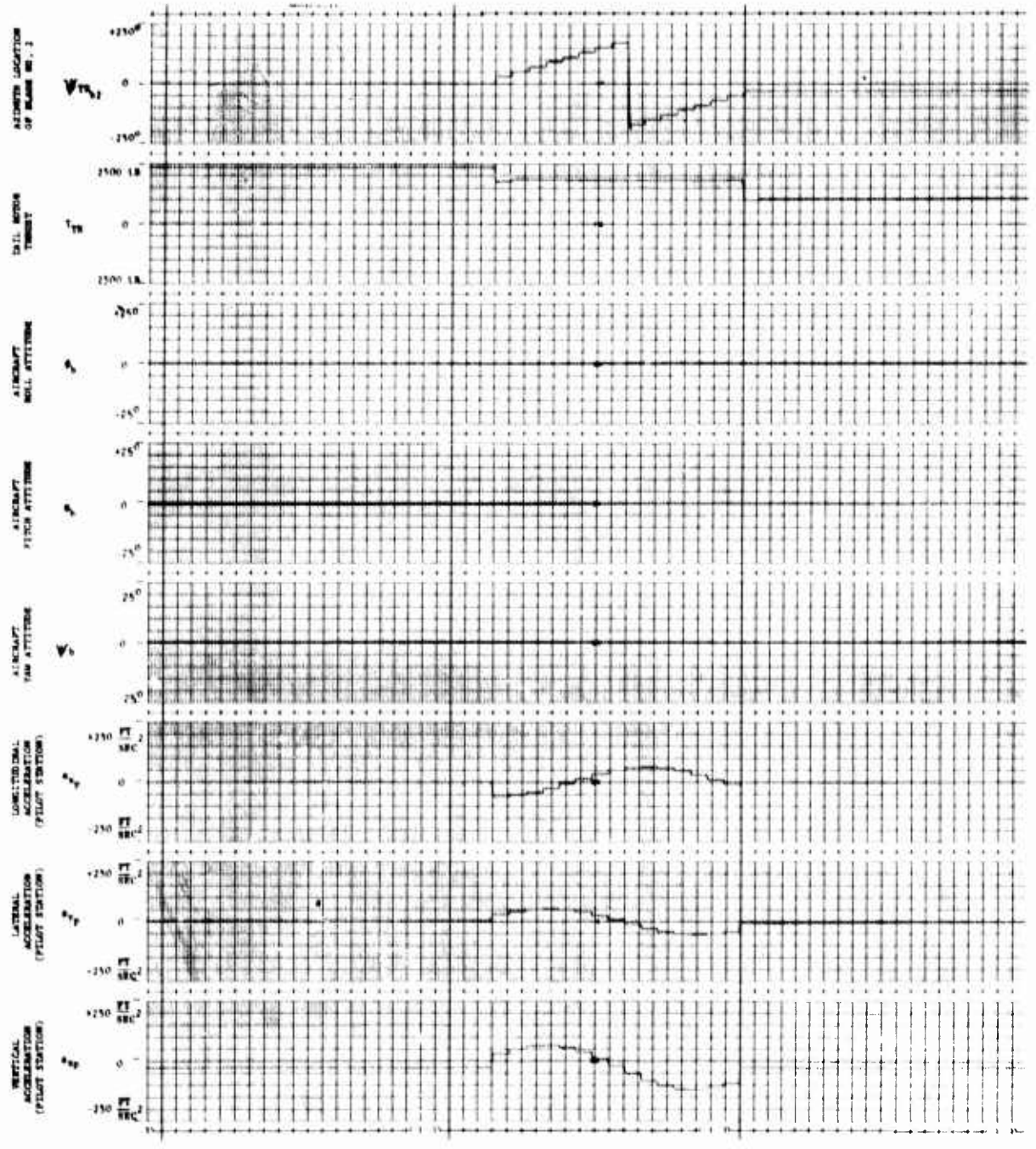
WEIGHT	19900.0	FSCG	347.0	V	150.0	PSITR2	0.0
IX	5468.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	48267.0	RHO	0.17560000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	124.55000	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
XFR	15.0	PASCNT	2436.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-3.7871491	A1S	-5.2772392	IMT	1.2451407	XA	26.338318
LNGSTK	10.856754	B1S	11.579840	IS	-3.0	XB	14.463766
COLSTK	24.946893	THETAB	24.946893	TH7SMR	14.066893	XC	98.418887
PEDAL	14.977616	THETTR	32.337888	TH7STR	18.837888	XP	48.882813
XAIN	2.6330318	XBIN	1.4663766	XCIN	9.8418886	XPIN	2.1643724
XBACTP	10.120238	XBACTI	1.0120238	RSTR.	0.0	PSTR	0.0
VXB	253.88183	THETAB	-3.2199956	AA0F	4.1568148	QSTR	0.0
VYB	18.231867	PHIB	0.0	AA1F	0.22197625	RSTR	0.0
VZB	-14.238928	BETAWF	3.9561481	BB1F	-0.58273477E-2	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-13.513628	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.62206605	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.30708367	MHITR	0.0
ALFWF	-5.3188614	EKTX	1.1824658	EKWFX	0.92259999	LHITR	0.0
CHITPP	81.738462	EKTZ	1.8535006	EKWFZ	1.0882615	QHITR	0.0
EATR	0.0	EPSMT	0.48954147	SIGMT	0.69628209	XITR	0.0
QWF	61.268781	KQMT	0.87177979	KQVT	0.82966918	YITR	0.0
MUXS	0.34782809	CTSIG	0.11587489	LTOT	-3.9277192	ZITR	0.0
MUYS	0.25167885E-1	CMSIG	0.44973843E-2	DTOT	24.465612	LITR	0.0
MUZS	-0.37911899E-1	CQMSIG	0.98556532E-6	TTR	2581.8778	MITR	0.0
LAMBMR	-0.51852083E-1	NZ	0.99723187	MPMR	3548.8799	NITR	0.0
DWBMMR	0.13948983E-1	VC	0.14305114E-4	KTRBLK	1.0	AXP	-1.8268496
XMR	262.83552	MBAR	769.43586	VXBDOT	-0.11547161E-1	AYP	-0.46655821E-1
YMR	-1421.2821	JBAR	1421.2821	VYBDOT	-0.28926982E-1	AZP	-32.873185
ZMR	-19699.718	TBAR	19687.961	VZBDOT	0.35984138E-1	VXP	253.88183
LMR	-14981.918	LBARM	-2478.8498	PDOT	-0.14362893E-1	VYP	18.231867
MMR	9494.4686	MBARM	1850.9494	QDOT	0.49581273E-2	VZP	-14.238928
NMR	71331.488	QBAR	72292.0	RDOT	-0.24344998E-2	PSTR.	0.0
XWF	-1438.1285	XT	89.874638	XTR	0.0	PSIDMG	-150.0
YWF	-635.44679	YT	-311.60367	YTR	2351.1709	BTR	4.0
ZWF	374.78674	ZT	1145.5279	ZTR	-855.75791	MADD	0.0
LWF	1156.8589	LT	-688.11785	LTR	14448.971	XADD	0.0
MWF	-15625.184	MT	33875.715	MTR	-27455.566	YADD	0.0
NWF	-4997.8878	NT	9838.6458	NTR	-75433.481	ZADD	0.0
XMT	105.28681	XVT	-16.212179	ALFMTT	-7.3464938	NADD	0.0
YMT	-4.7962819	YVT	-386.88739	ALFVTT	4.1151908	LADD	0.0
ZMT	1143.8765	ZVT	2.4493862	AABB1F	0.22285272		

Figure D-5. (continued)



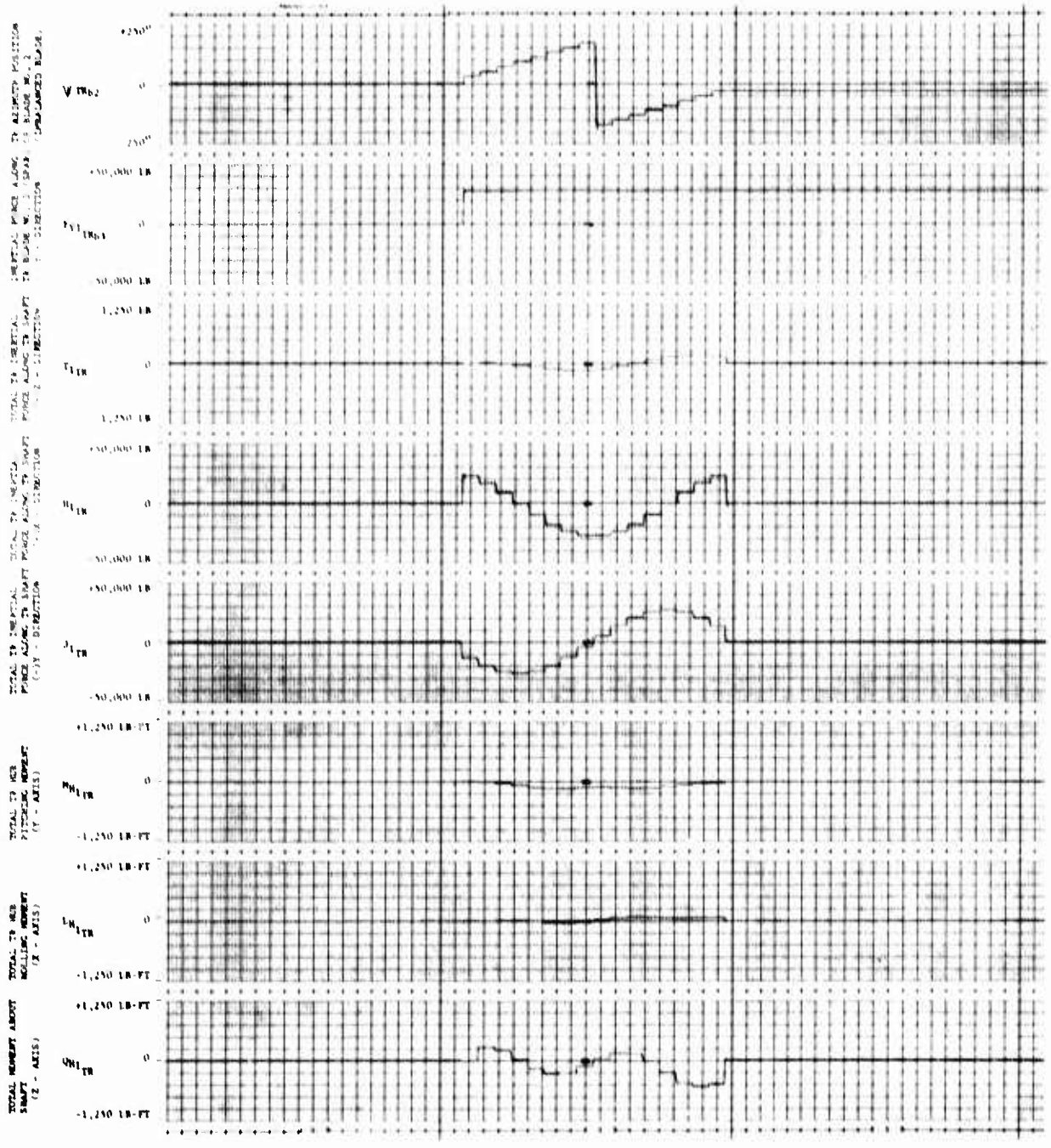
G.W.: 19,900 Lb. FSCG: 360.2 V: 150 Kts N_R: 100% SAS: ON H_D: 10,000 Ft

Figure D-6. Stepped Transition Time History



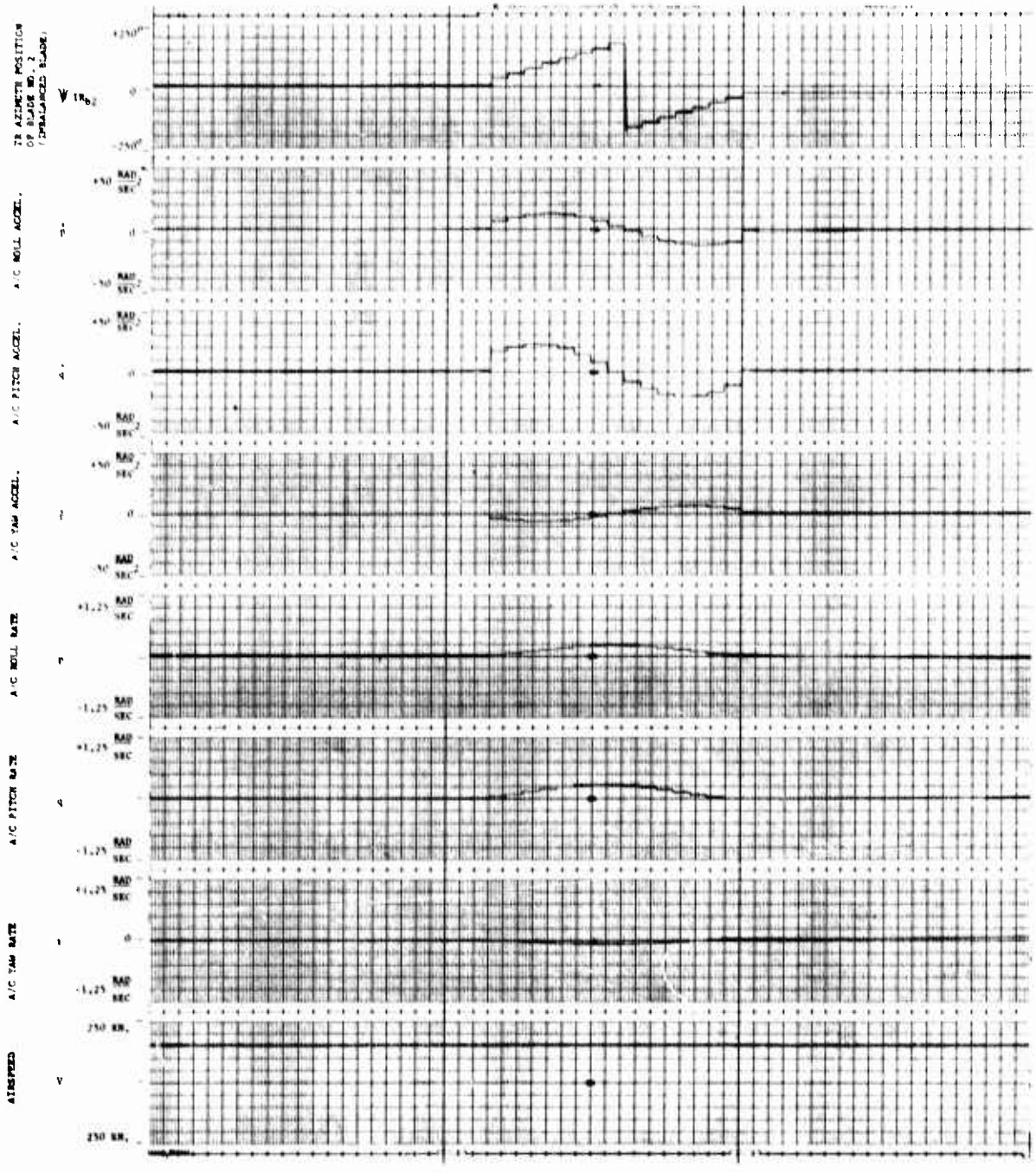
G.W.: 19,900 Lb. FSCG: 360.2 V: 150 Kts N_R: 100% SAS: ON H_D: 10,000 Ft

Figure D-6. (continued)



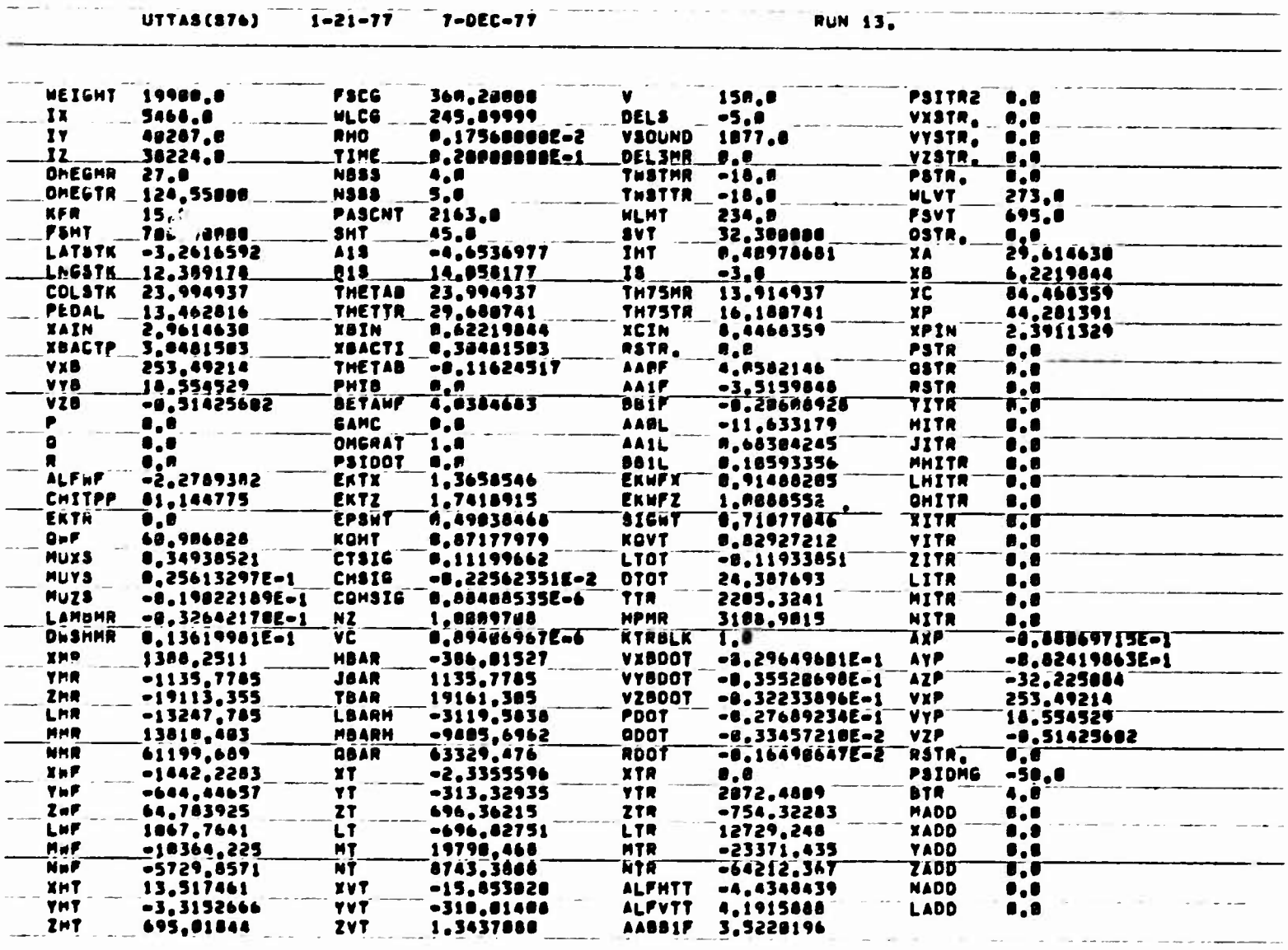
G.W.: 19,900 Lb. FSCG: 360.2 V: 150 Kts N_R: 100% SAS: ON H_D: 10,000 Ft

Figure D-6. (continued)



G.W.: 19,900 Lb. FSCG: 360.2 V: 150 Kts N_R: 100% SAS: ON H_D: 10,000 Ft

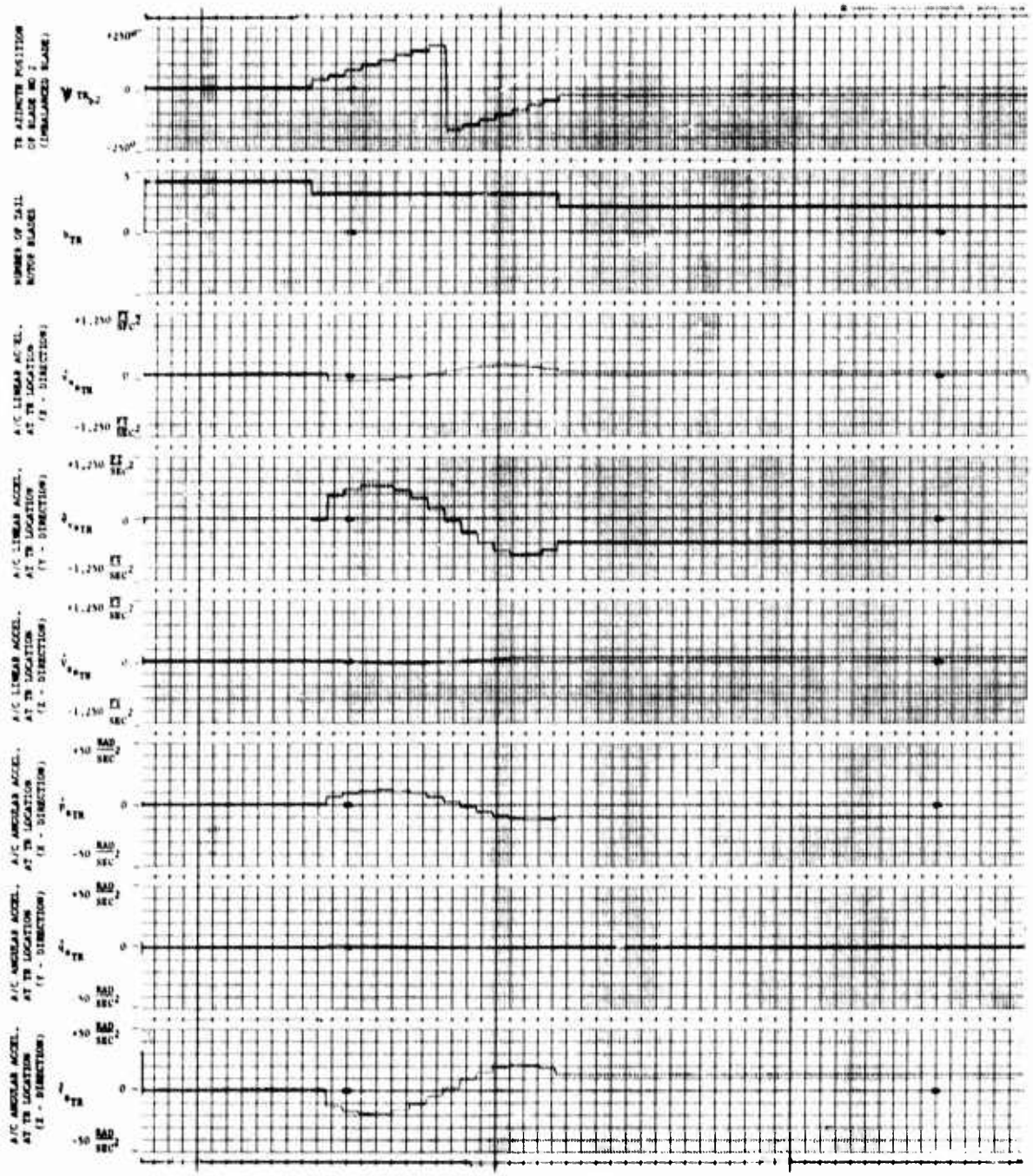
Figure D-6. (continued)



UTTAS(876) 1-21-77 7-DEC-77 RUN 13.

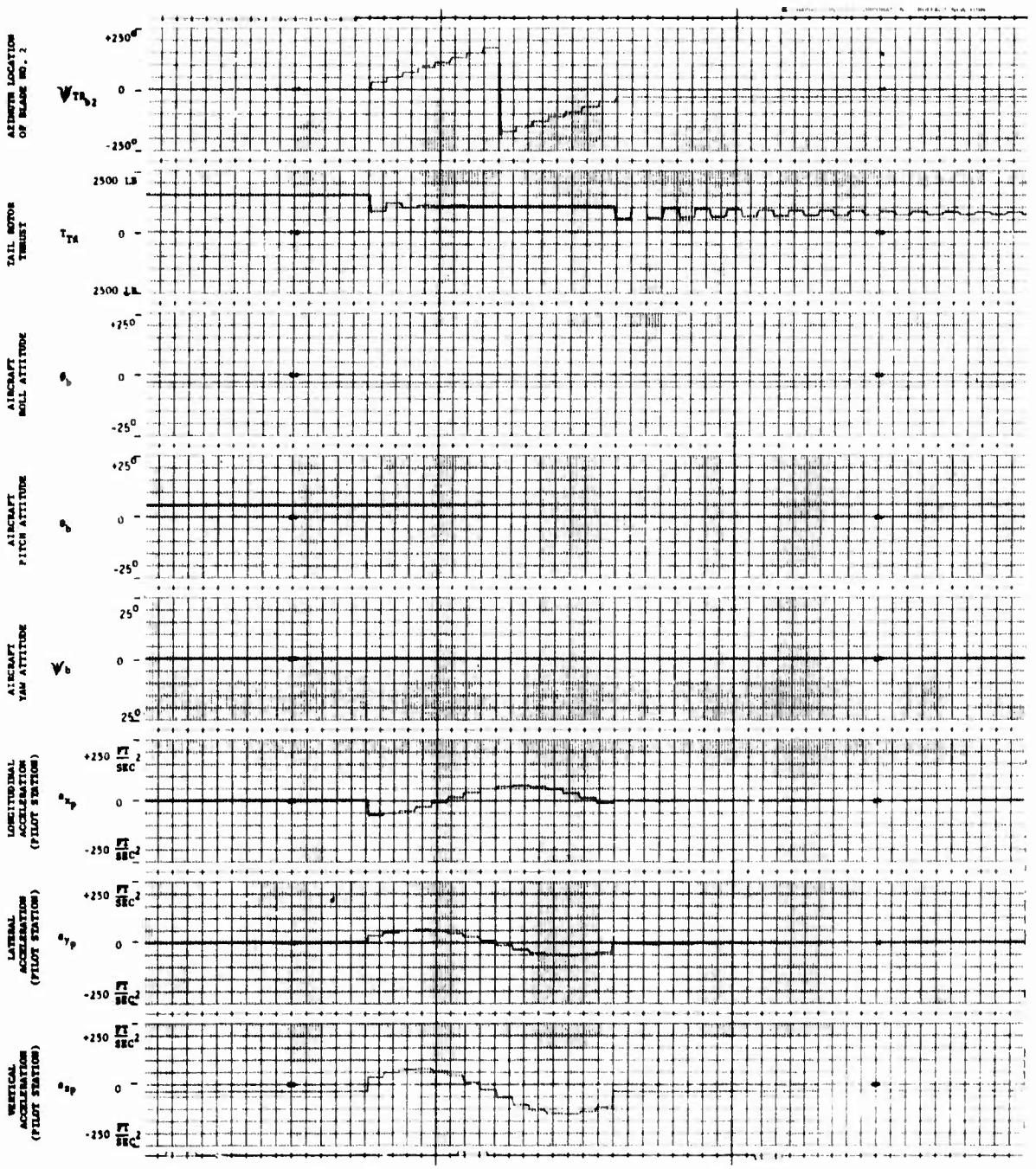
WEIGHT	19980.0	FSCG	368.28888	V	158.0	PSITR2	0.0
IX	5468.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	48287.0	RHO	0.17568888E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.28888888E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NBBS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	124.55888	NSBS	5.0	THSTTR	-10.0	WLVT	273.0
KFR	15.[illegible]	PASCNT	2163.0	WLMT	234.0	FSVT	695.0
FSMT	78[illegible]	SMT	45.0	SVT	32.388888	QSTR.	0.0
LATSTK	-3.2616592	A1S	-4.6536977	IMT	0.48978681	XA	29.614638
LNGSTK	12.389178	B1S	14.858177	IS	-3.0	XB	6.2219844
COLSTK	23.994937	THETAB	23.994937	TH75MR	13.914937	XC	84.468359
PEDAL	13.462816	THETTR	29.688741	TH75TR	16.188741	XP	44.281391
XAIN	2.9614638	XBIN	0.62219844	XCIN	0.4468359	XPIN	2.3911329
XBACTP	3.0481583	XBACTI	0.38481583	RSTR.	0.0	PSTR	0.0
VXB	253.49214	THETAB	-0.11624517	AARF	4.0582146	QSTR	0.0
VYB	18.554529	PHIB	0.0	AA1F	-3.5159848	RSTR	0.0
VZB	-0.51425682	BETAWF	4.0384683	BB1F	-0.28688428	TITR	0.0
P	0.0	GAMC	0.0	AABL	-11.633179	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.68384245	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.18593356	MHITR	0.0
ALFWF	-2.2789382	EKTX	1.3658546	EKWFX	0.91488285	LHITR	0.0
CHITPP	81.144775	EKTZ	1.7418915	EKWFZ	1.0888552	QHITR	0.0
EKTR	0.0	EPSHT	0.49838468	SIGHT	0.71877846	XITR	0.0
QWF	68.986828	KQHT	0.87177979	KQVT	0.82927212	YITR	0.0
MUXS	0.34938521	CTSIG	0.11199662	LTOT	-0.11933851	ZITR	0.0
MUYS	0.25613297E-1	CMSIG	-0.22562351E-2	DTOT	24.387693	LITR	0.0
MUZS	-0.19822189E-1	COMSIG	0.88488535E-6	TTR	2285.3241	MITR	0.0
LAMBMR	-0.32642178E-1	NZ	1.08897U8	MPMR	3188.9815	NITR	0.0
DWSMMR	0.13619981E-1	VC	0.894866967E-6	KTRBLK	1.0	AXP	-0.88869715E-1
XMR	1388.2511	MBAR	-386.81527	VXBDOT	-0.29649681E-1	AYP	-0.82419863E-1
YMR	-1135.7785	JBAR	1135.7785	VYBDOT	-0.35528698E-1	AZP	-32.225884
ZMR	-19113.355	TBAR	19161.385	VZBDOT	-0.32233896E-1	VXP	253.49214
LMR	-13247.785	LBARM	-3119.5838	PDOT	-0.27689234E-1	VYP	18.554529
MMR	13818.483	MBARM	-9885.6962	QDOT	-0.33457218E-2	VZP	-0.51425682
NMR	61199.689	QBAR	63329.476	RDOT	-0.16498647E-2	RSTR.	0.0
XWF	-1442.2283	XT	-2.3355596	XTR	0.0	PSIDMG	-50.0
YWF	-644.44657	YT	-313.32935	YTR	2872.4889	DTR	4.0
ZWF	64.783925	ZT	696.36215	ZTR	-754.32283	MADD	0.0
LWF	1867.7641	LT	-696.82751	LTR	12729.248	XADD	0.0
MWF	-10364.225	MT	19798.468	MTR	-23371.435	YADD	0.0
NWF	-5729.8571	NT	8743.3888	NTR	-64212.347	ZADD	0.0
XMT	13.517461	XVT	-15.853828	ALFMTT	-4.4348439	NADD	0.0
YMT	-3.3152666	YVT	-318.81488	ALFVTT	4.1915888	LADD	0.0
ZMT	695.81844	ZVT	1.3437888	AABB1F	3.5228196		

Figure D-6. (continued)



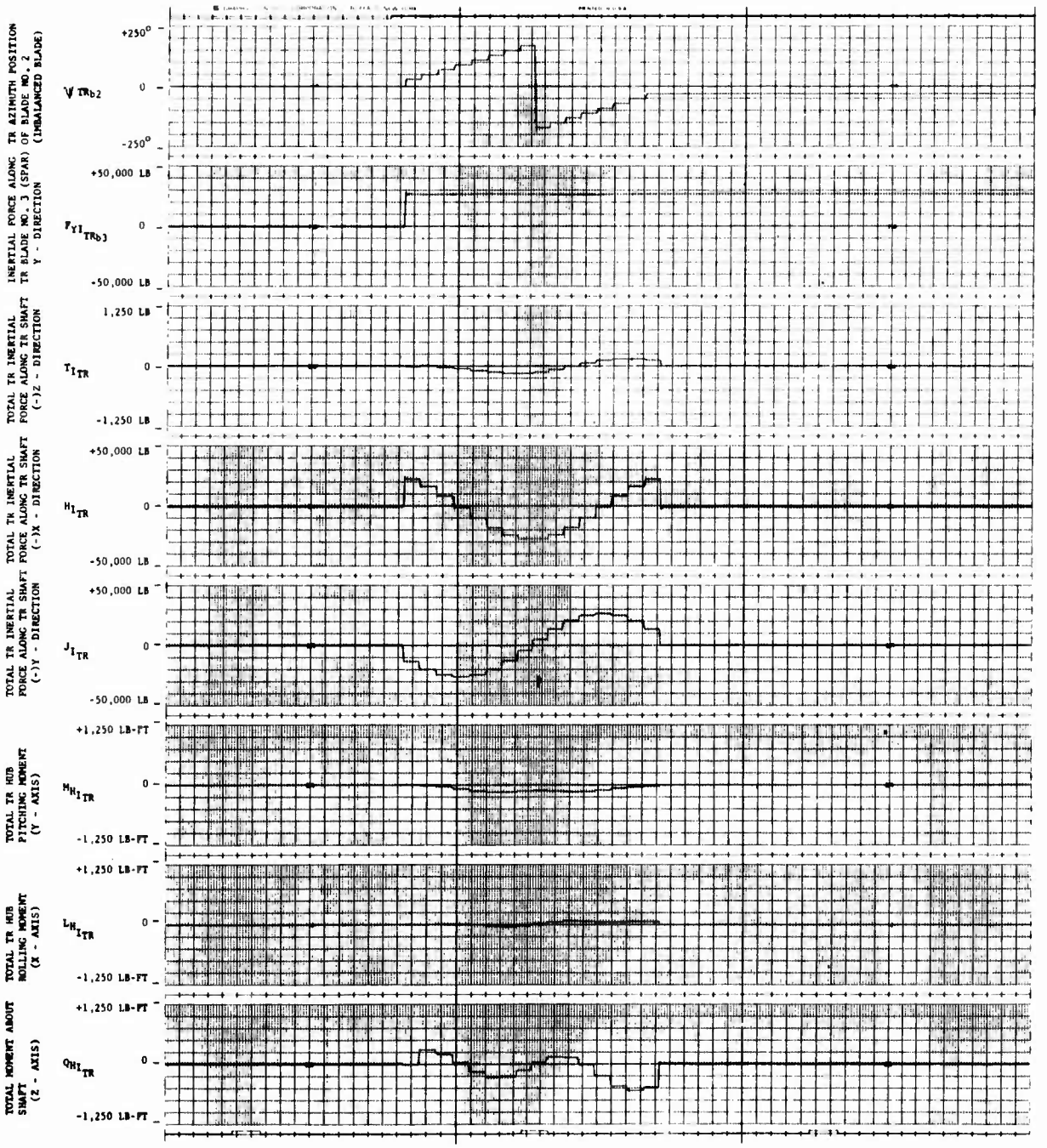
G.W.: 19,900 Lb. FSCG: 360.2 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-7. Stepped Transition Time History



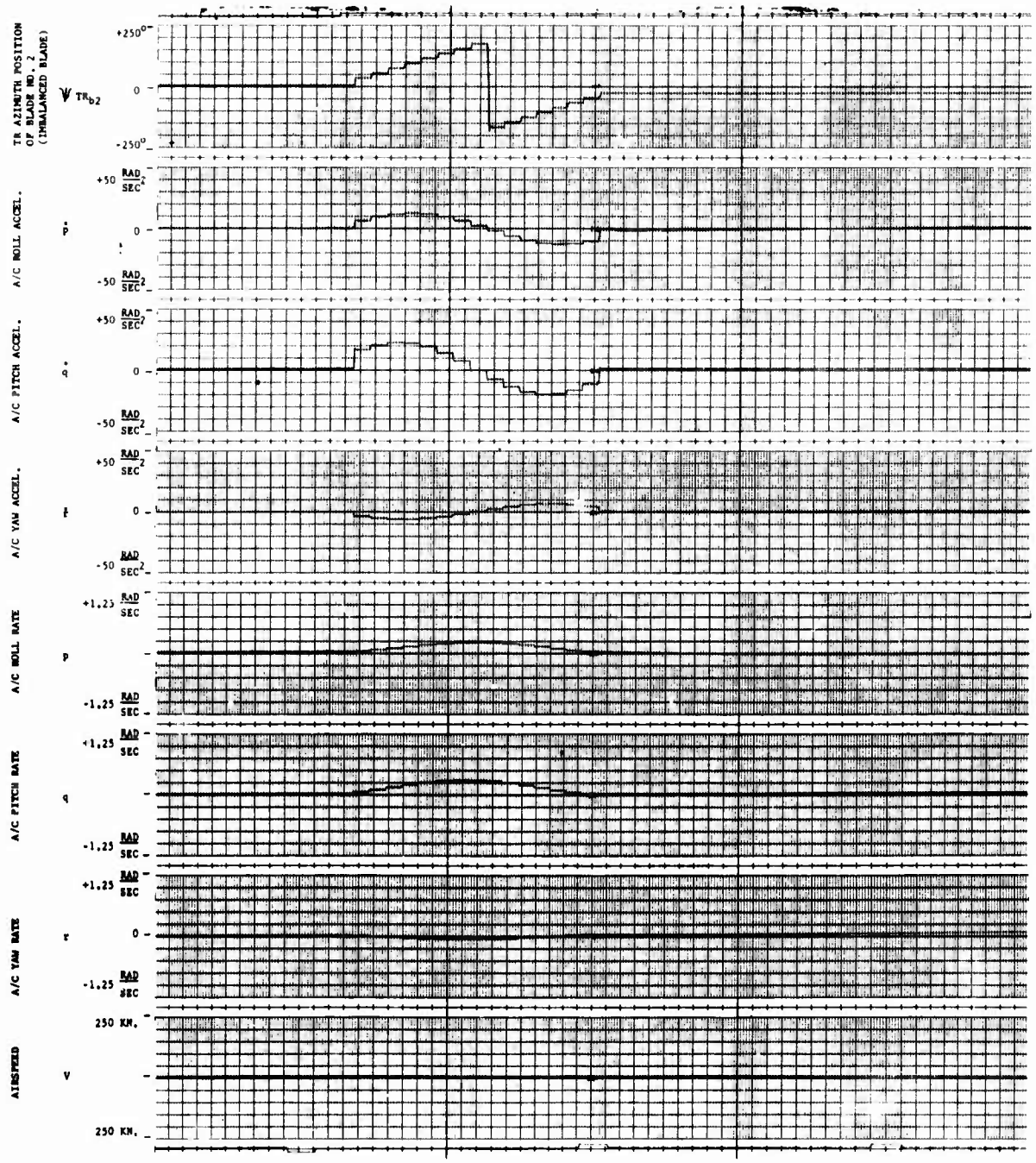
G.W.: 19,900 Lb. FSCG: 360.2 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-7. (continued)



G.W.: 19,900 Lb. FSCG: 360.2 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-7. (continued)

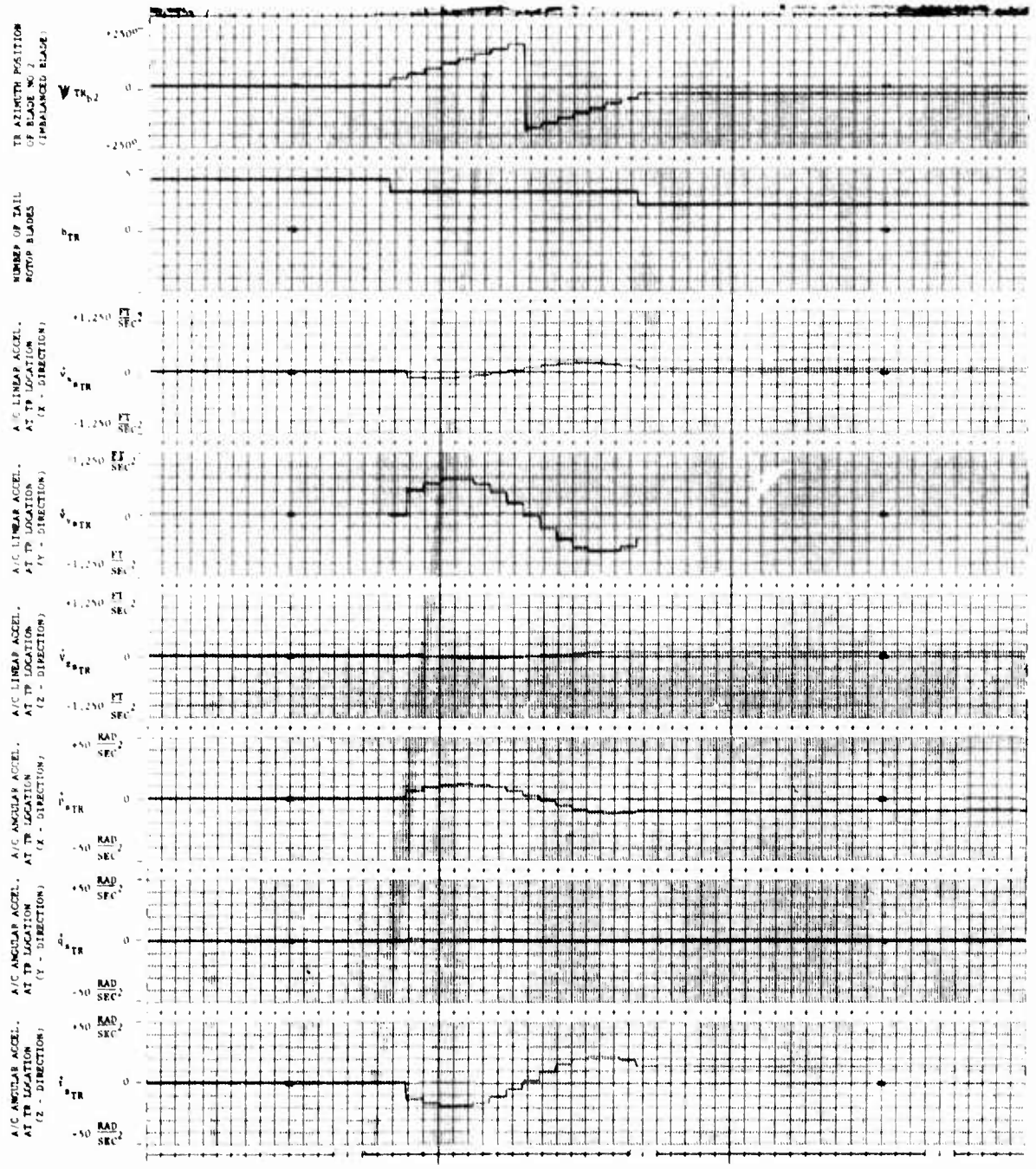


G.W.: 19,900 Lb. FSCG: 360.2 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-7. (continued)

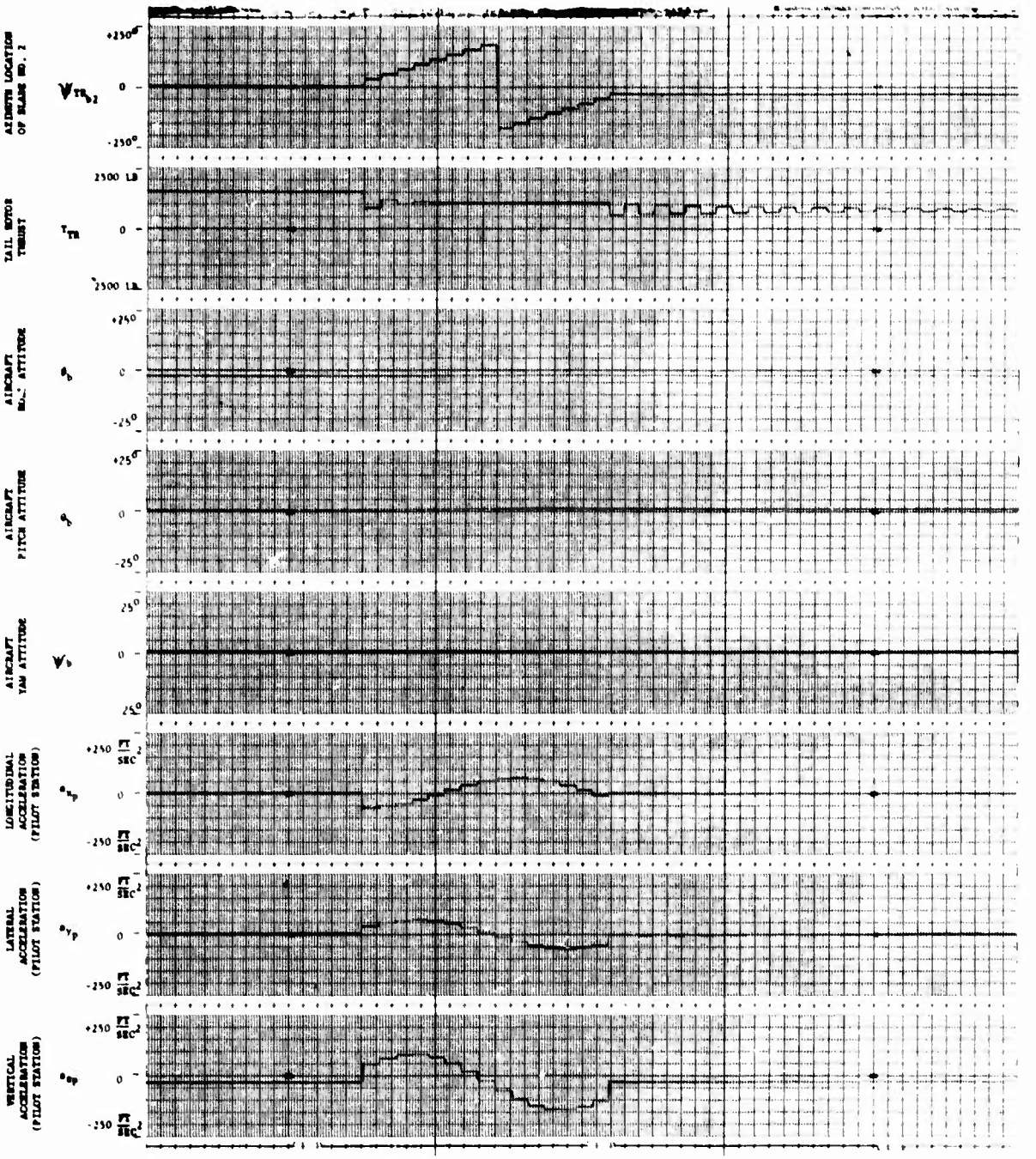
WEIGHT	19900.0	FSCG	360.20000	V	1.0E-2	PSITR2	0.0
IX	5460.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	48287.0	RHO	0.17560000E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	38224.0	TIME	0.20000000E+1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NBSS	4.0	TWSTMR	-10.0	PSTR.	0.0
OMEGTR	124.55000	NSSS	5.0	TWSTTR	-10.0	WLVT	273.0
KFR	15.0	PASCNT	2552.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.26194274	A1S	-1.3623362	IMT	33.263464	XA	48.362857
LNGSTK	2.9408136	B1S	1.5857925	IS	-3.0	XB	39.608431
CULSTK	21.163431	THETAB	21.163431	TH75MR	11.083431	XC	66.771458
PEDAL	21.355629	THETTR	34.175747	TH75TR	28.675747	XP	22.488671
XAIN	4.8362857	XBIN	3.9608431	XCIN	6.6771458	XPIN	1.2896847
XBACTP	46.394391	XBACTI	4.6394391	RSTR.	0.0	PSTR	0.0
VXB	0.16835313E-1	THETAB	4.9638512	AA8F	4.3268982	QSTR	0.0
VYB	0.0	PHIB	-3.0587550	AA1F	-1.7359286	RSTR	0.0
VZB	0.14620205E-2	BETAWF	0.0	BB1F	-1.4543821	TITR	0.0
P	0.0	GAMC	0.0	AA8L	-0.1493685	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	-0.31872219E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.16565383	MMITR	0.0
ALFWF	-13.121827	EKTX	-0.28429196	EKWFX	0.79995393E-5	LMITR	0.0
CMITPP	-1.7118856	EKTZ	0.24672561	EKWFZ	0.11899368E-3	QMITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.27482292E-6	KQWT	0.87177979	KQVT	0.84852813	YITR	0.0
MUXS	0.23312082E-4	CTSIG	0.10835051	LTOT	-20.492385	ZITR	0.0
MUYS	0.0	CMSIG	-0.39635926E-2	DTOT	26.570964	LITR	0.0
MUZS	0.79984728E-6	CQMSIG	0.94244481E-6	TTR	1588.1092	MITR	0.0
LAMBMR	-0.68135195E-1	NZ	0.99467988	MPMR	2201.8577	NITR	0.0
DLSMMR	0.68135993E-1	VC	0.13060751E-3	KTRBLK	0.79599999	AXP	2.7845867
XMR	1647.3628	MBAR	-670.12486	VXBDOT	0.10626864E-2	AYP	1.7846685
YMR	-485.58052	JBAR	485.58052	VYBDOT	-0.46388191E-3	AZP	-32.883164
ZMR	-18476.530	TBAR	18538.866	VZBDOT	0.11604696E-3	VXP	0.16835313E-1
LMR	-8786.5988	LBARM	-3930.1358	PDOT	-0.31824281E-3	VYP	0.0
MMR	15886.758	MBARM	-4802.6326	QDOT	-0.82038573E-4	VZP	0.14620205E-2
NMR	43912.538	QBAR	44852.659	RDOT	0.63513948E-5	RSTR.	0.0
XWF	-0.50331269E-5	XT	4.5730998	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-0.35024383E-6	YTR	1417.2645	BTR	4.0
ZWF	0.71424988E-5	ZT	5.9241120	ZTR	-515.84318	MADD	0.0
LWF	0.0	LT	-0.79096733E-6	LTR	8784.8869	XADD	0.0
MWF	-0.14298938E-3	MT	172.48356	MTR	-15982.538	YADD	0.0
NWF	0.0	NT	0.97718838E-5	NTR	-43911.579	ZADD	0.0
XMT	4.5730999	XVT	-0.79313945E-7	ALFMTT	-7.7194499	MADD	0.0
YMT	0.0	YVT	-0.35024383E-6	ALFVTT	0.0	LADD	0.0
ZMT	5.9241119	ZVT	0.68905398E-7	AA8B1F	2.2646516		

Figure D-7. (continued)



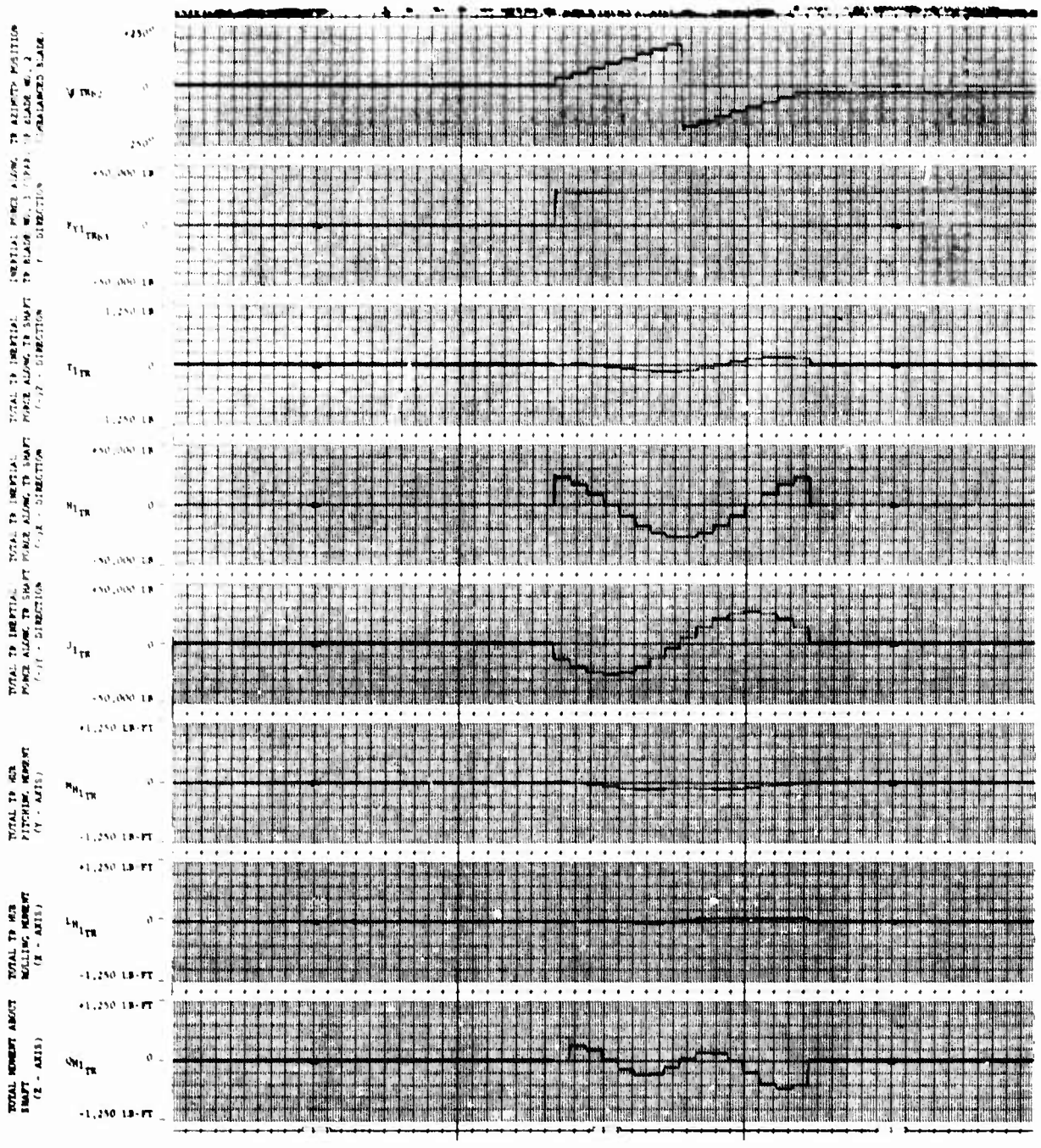
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-8. Stepped Transition Time History



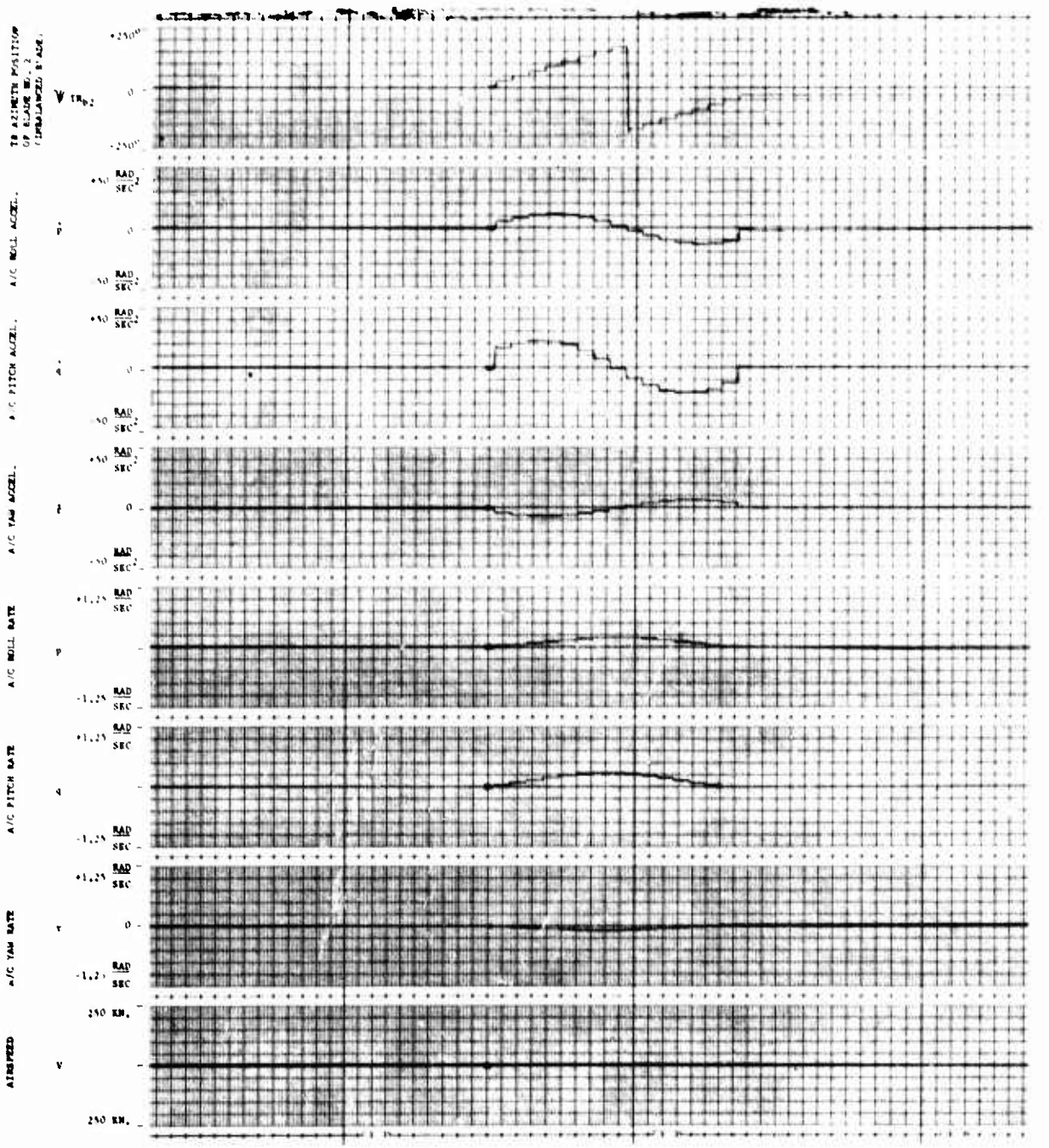
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-8. (continued)



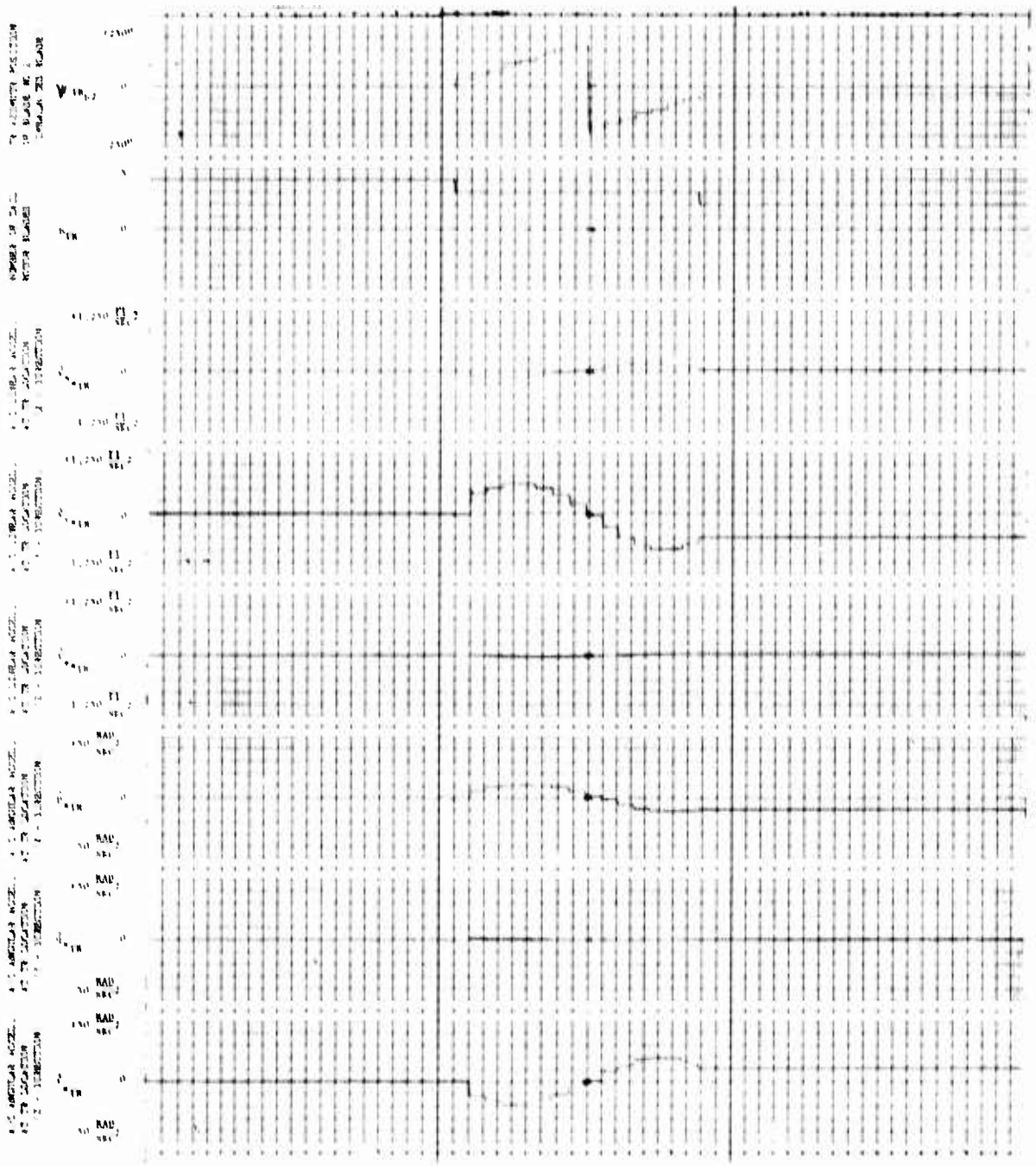
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-8. (continued)



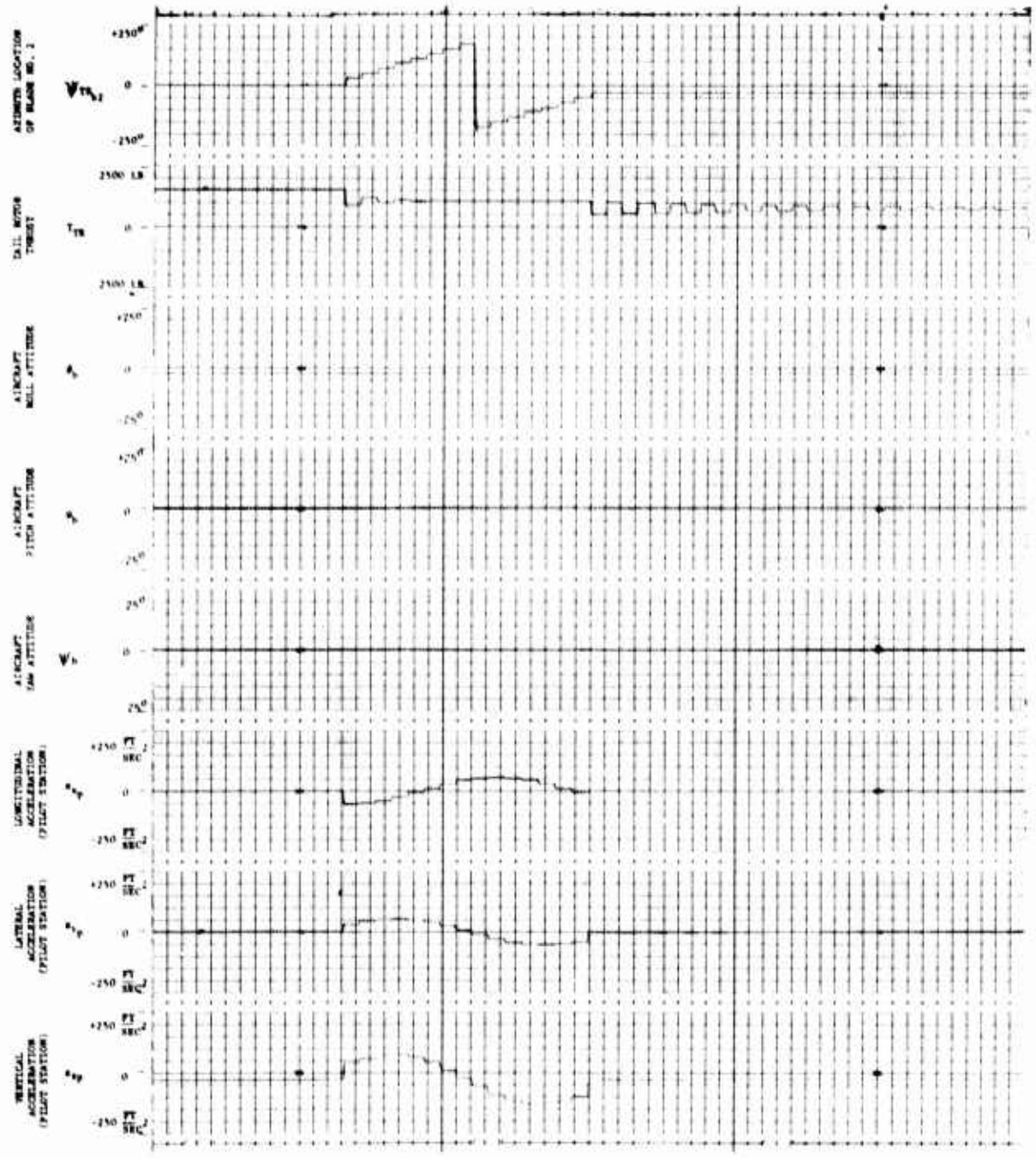
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-8. (continued)



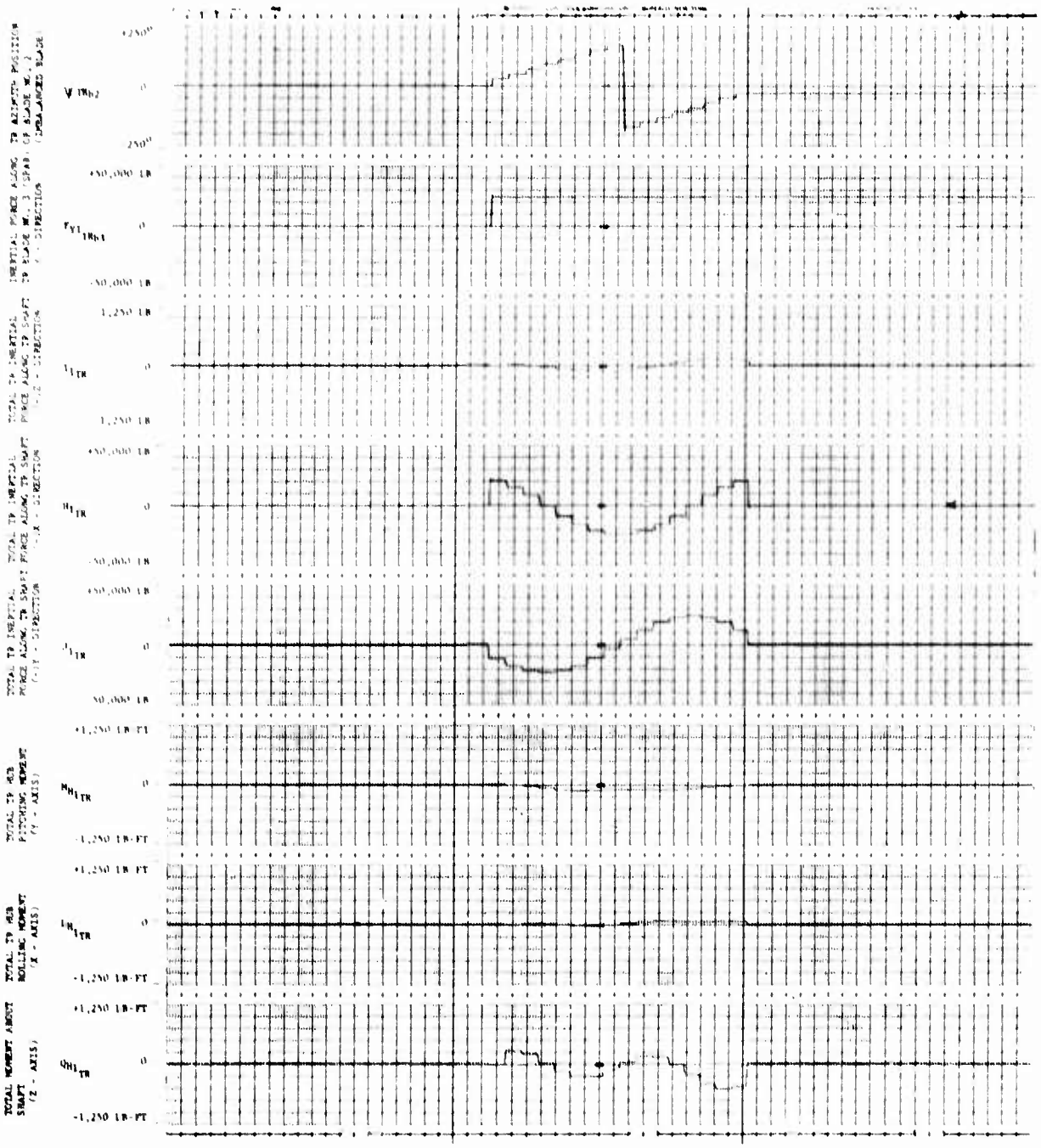
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 95% SAS: OFF H_D: 10,000 Ft

Figure D-9. Stepped Transition Time History



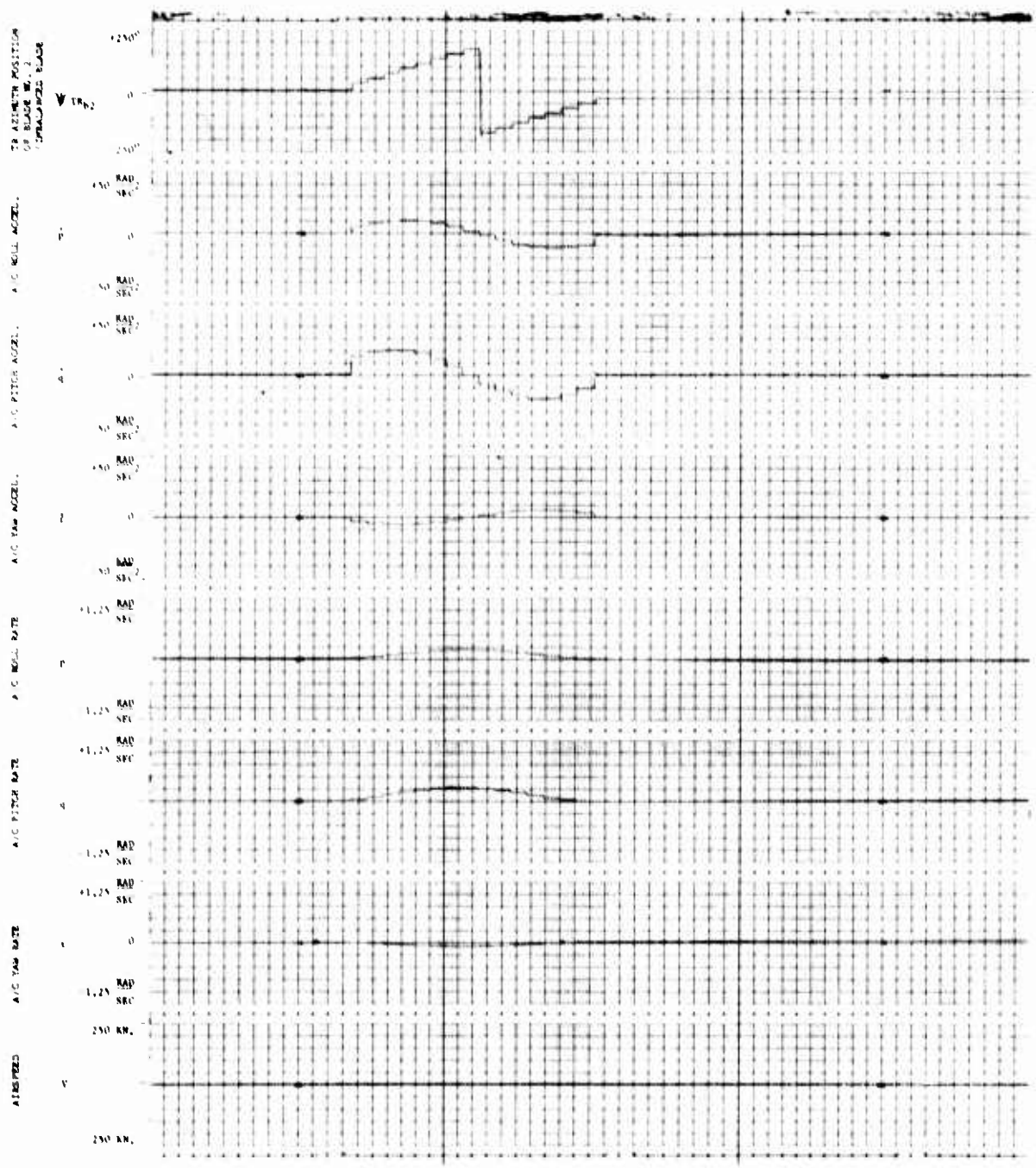
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 95% SAS: OFF H_D: 10,000 Ft

Figure D-9. (continued)



G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 95% SAS: OFF H_D: 10,000 Ft

Figure D-9. (continued)



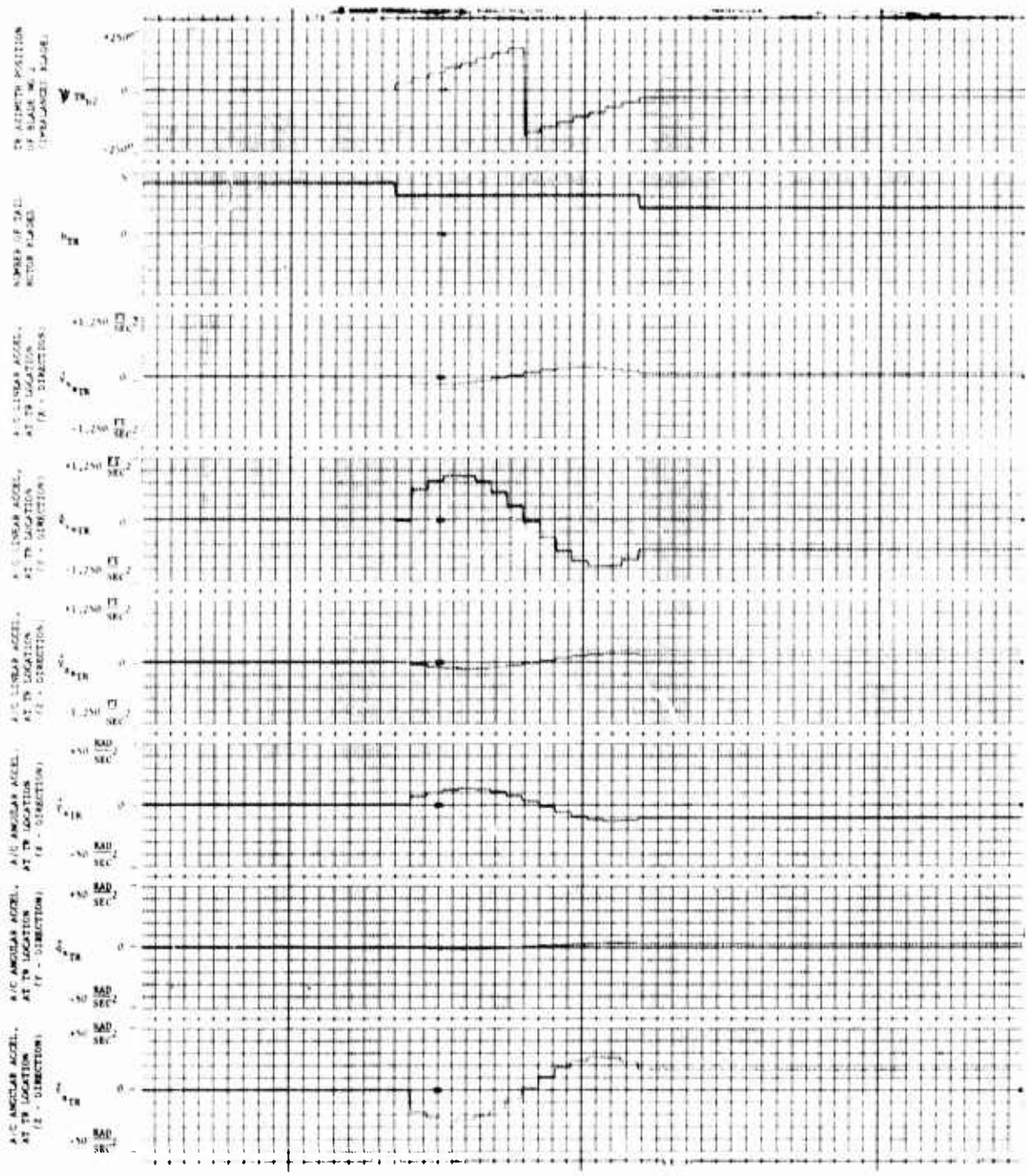
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 95% SAS: OFF H_D: 10,000 Ft

Figure D-9. (continued)

UTTAS(S76) 1-21-77 7-DEC-77 RUN 15.

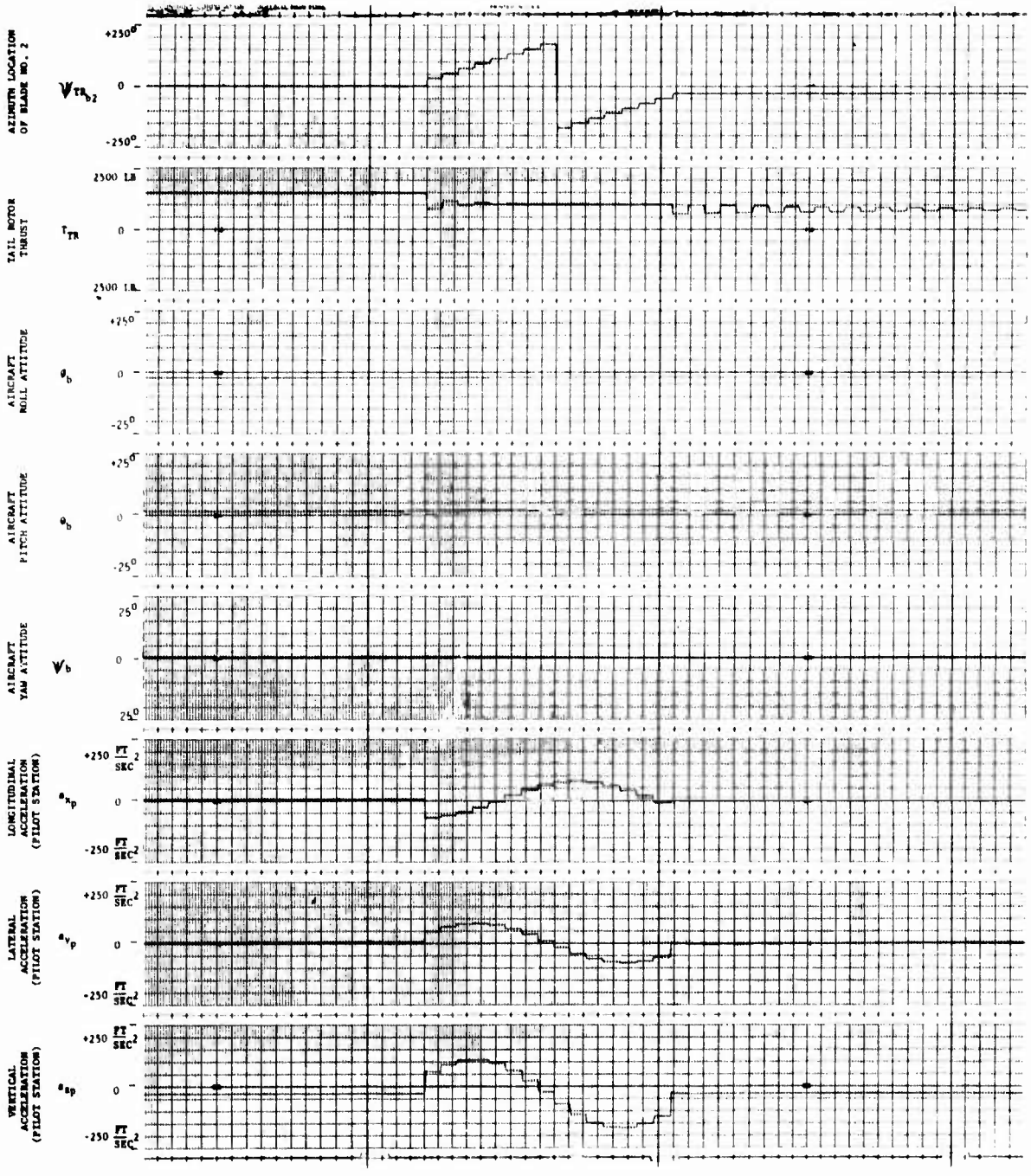
WEIGHT	19900.0	FSCG	347.0	V	1.0E-2	PSITR2	0.0
IX	5468.0	WLCG	245.89999	DELS	-5.0	VXSTR,	0.0
IY	40287.0	RHO	0.17560000E-2	VSOUND	1077.0	VYSTR,	0.0
IZ	38224.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR,	0.0
OMEGMR	25.649999	NBSS	4.0	TWSTMR	-18.0	PSTR,	0.0
OMEGTR	118.32250	NSSS	5.0	TWSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1075.0	WLHT	234.0	FSVT	695.0
FSHT	700.40000	SHT	45.0	SVT	32.300000	QSTR,	0.0
LATSTK	0.33622503	A1S	-0.88756193	IHT	34.0	XA	52.101406
LNGSTK	-1.3654426	B1S	-2.4827410	IS	-3.0	XB	54.824885
COLSTK	22.361426	THETA0	22.361426	TH75MR	12.281424	XC	74.258917
PEDAL	21.748664	THETTR	36.006376	TH75TR	22.506376	XP	21.311088
XAIN	5.2101406	XBIN	5.4824885	XCIN	7.4258917	XPIN	1.1507688
XBACTP	60.007016	XBACTI	6.0007016	RSTR,	0.0	PSTR	0.0
VXB	0.16896658E-1	THETAB	0.74245104	AA0F	4.8596993	QSTR	0.0
VYB	0.0	PHI0	-2.3784134	AA1F	2.6772541	RSTR	0.0
VZB	0.21896820E-3	BETAWF	0.0	BB1F	-1.0241204	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-9.4000691	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	-0.16935800	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.16069545	MHITR	0.0
ALFWF	-85.813533	EKTX	-0.53023976	EKWFX	0.21610007E-1	LHITR	0.0
CHITPP	2.7012510	EKTZ	0.72024825	EKWFZ	0.29983885	QHITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.19399675	KQHT	1.0	KQVT	0.84852813	YITR	0.0
MUXS	0.24533431E-4	CTSIG	0.12049727	LTOT	-70.0	ZITR	0.0
MUYS	0.0	CHSIG	0.51625223E-2	DTOT	45.079999	LITR	0.0
MUZS	-0.96721173E-6	CQHSIG	0.11730630E-5	TTR	1526.2310	MITR	0.0
LAMSMR	-0.71846474E-1	NZ	0.99891798	HPMR	2170.2562	NITR	0.0
DWSMMR	0.71845507E-1	VC	0.11546071E-4	KTRBLK	0.79599999	AXP	0.39500075
XMR	177.73851	HBAR	797.13025	VXBDOT	-0.22206597E-1	AYP	1.3585385
YMR	-628.64868	JBAR	628.64868	VYBDOT	0.23042536E-1	AZP	-32.139716
ZMR	-18620.412	TBAR	18605.638	VZBDOT	0.17653953E-3	VXP	0.16896658E-1
LMR	-8808.0047	LBARH	-2602.3943	PDOT	0.25993833E-3	VYP	0.0
MMR	14896.892	MBARH	6581.1971	QDOT	-0.17789459E-3	VZP	0.21896820E-3
NMR	46015.352	QBAR	46535.709	RDOT	-0.26210617E-4	RSTR,	0.0
XWF	12.904958	XT	43.499392	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-0.34978258E-6	YTR	1434.2946	BTR	4.0
ZWF	9.7135899	ZT	65.393978	ZTR	-522.04158	MADD	0.0
LWF	0.0	LT	-0.78992567E-6	LTR	8809.4865	XADD	0.0
MWF	-124.21451	MT	1968.9895	MTR	-16748.833	YADD	0.0
NWF	0.0	NT	0.10143694E-4	NTR	-46016.954	ZADD	0.0
XMT	43.499392	XVT	-0.62192189E-7	ALFHTT	-19.652797	NADD	0.0
YMT	0.0	YVT	-0.34978258E-6	ALFVTT	0.0	LADD	0.0
ZMT	65.393978	ZVT	0.84518045E-7	AABB1F	2.8664459		

Figure D-9. (continued)



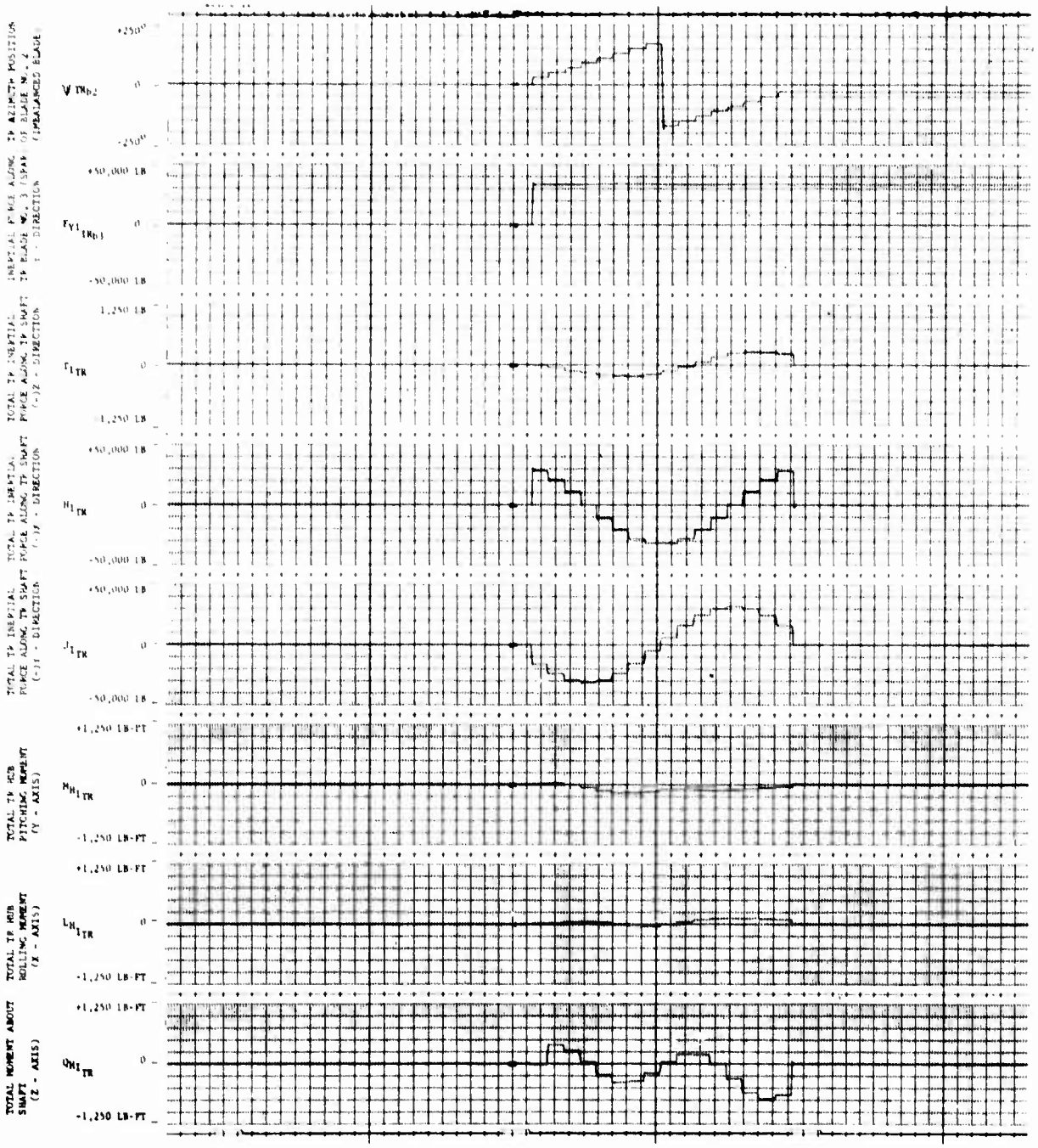
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-10. Stepped Transition Time History



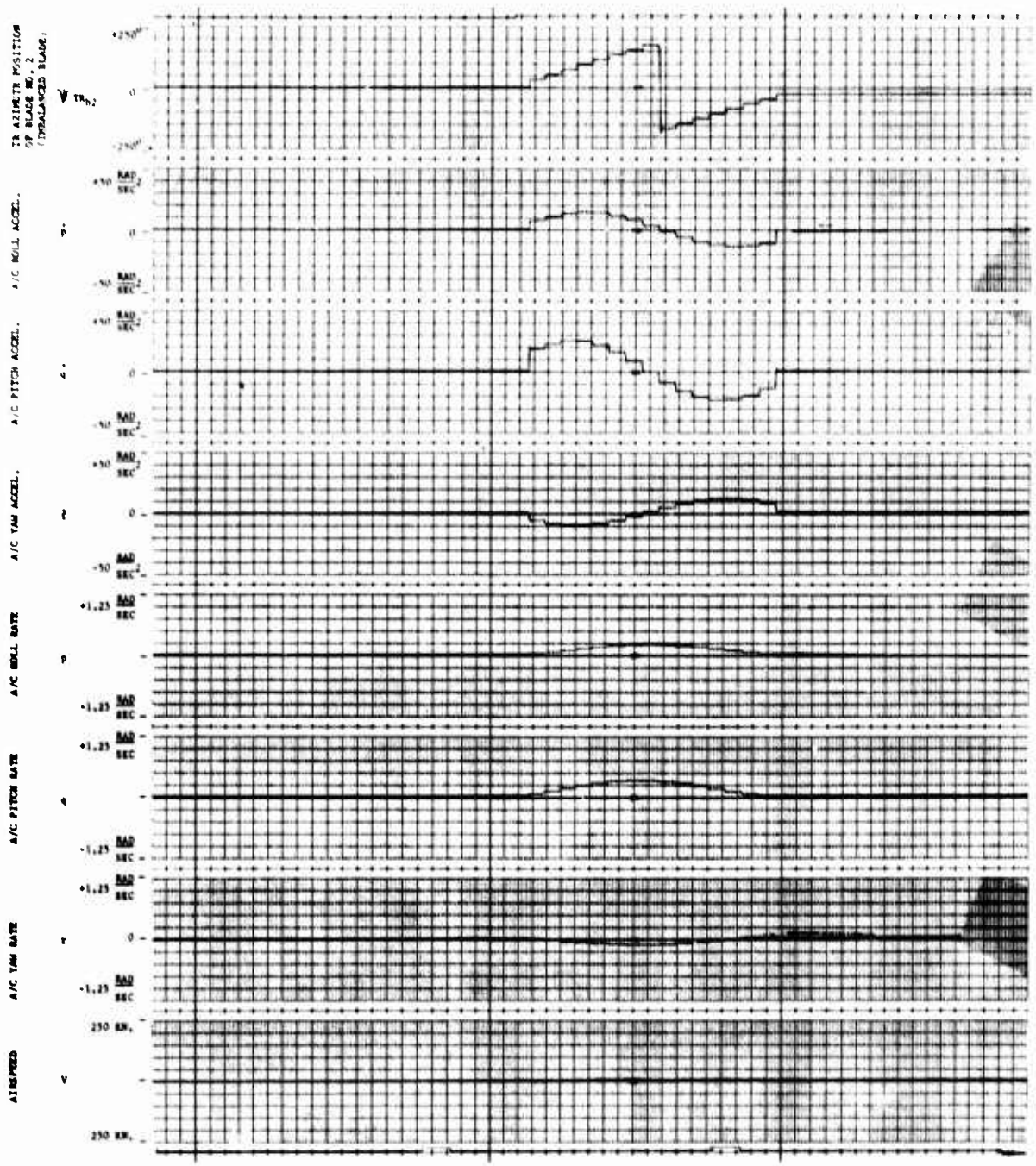
G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-10. (continued)



G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D:10,000 Ft

Figure D-10. (continued)



G.W.: 19,900 Lb. FSCG: 347 V: Hover N_R: 100% SAS: OFF H_D: 10,000 Ft

Figure D-10. (continued)

UTTAS(376) 1-21-77 9-DEC-77 RUN 12.

WEIGHT	19900.0	FSCG	347.0	V	1.0E-2	PSITR2	0.0
IX	5468.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	40207.0	RHO	0.17560006E-2	VSOUND	1077.0	VYSTR.	0.0
IZ	28224.0	TIME	0.28000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	29.700000	NBSS	4.0	THSTMR	-10.0	PSTR.	0.0
OMEGTR	137.80499	NSSS	5.0	THSTTR	-10.0	WLVT	273.0
NPR	15.0	PASCNT	797.0	WLHT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	0.77006578E-1	A1S	-0.84272174	IMT	30.095614	XA	50.481291
LNGSTK	-0.84422485	B1S	-1.8889360	IS	-3.0	XB	51.569698
COLSTK	19.489481	THETA0	19.489481	THTSMR	9.3294811	XC	55.888758
PEDAL	19.711142	THETTR	30.426423	THTSTR	16.926423	XP	26.959573
XAIN	5.8481291	XBIN	5.1569698	XCIN	5.5888758	XPIN	1.4557791
XBACTP	56.989551	XBACTI	5.6989551	RSTR.	0.0	PSTR	0.0
VXB	0.16894791E-1	THETA0	1.1575311	AA0F	3.5198086	QSTR	0.0
VYB	0.0	PHI0	-2.5714688	AA1F	1.9909193	RSTR	0.0
VZB	0.34138616E-3	BETAWF	0.0	BB1F	-0.98486475	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-6.3604605	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	-0.92580787E-1	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	-0.93195589E-1	MHITR	0.0
ALFWF	-85.791369	EKTX	-0.49606364	EKWFX	0.16119244E-1	LHITR	0.0
CHIIPP	2.0149856	EKTZ	0.63757879	EKWFZ	0.22365451	QHITR	0.0
EKTR	0.0	EPSWT	0.44999999	SIGWT	0.0	XITR	0.0
QWF	0.10011899	KQWT	1.0	KQVT	0.84852813	YITR	0.0
MUXS	0.21193662E-4	CTSIG	0.98029668E-1	LTOT	-70.0	ZITR	0.0
MUYS	0.0	CMSIG	0.29592792E-2	DTOT	45.079999	LITR	0.0
MUZS	-0.68179184E-6	COWSIG	0.63356932E-6	TTR	1394.9149	MITR	0.0
LAMBMR	-0.62100338E-1	NZ	0.99963448	WPMR	2296.3993	NITR	0.0
DWSMMR	0.62099656E-1	VC	0.21618988E-4	KTRBLK	0.79599999	AXP	0.67521553
XMR	363.65644	MBAR	612.62041	VXBDOT	0.25058996E-1	AYP	1.4326575
YMR	-460.82712	JBAR	460.82712	VYBDOT	-0.88384862E-2	AZP	-32.129302
ZMR	-18642.728	TBAR	18637.649	VZBDOT	0.59669538E-4	VXP	0.16894791E-1
LMR	-8851.7158	LBARM	-3868.9148	PDOT	0.18487133E-3	VYP	0.0
MMR	13888.949	MBARM	6590.1334	QDOT	0.19199364E-3	VZP	0.34138616E-3
NMR	42871.915	QBAR	42525.914	RDOT	0.51938199E-3	RSTR.	0.0
XWF	7.1981497	XT	30.079456	XTR	0.0	PSIDMG	-150.0
YWF	0.0	YT	-0.34976672E-6	YTR	1310.8887	BTR	4.0
ZWF	5.4163898	ZT	52.494398	ZTR	-477.12541	MADD	0.0
LWF	0.0	LT	-0.78988986E-6	LTR	8851.5233	XADD	0.0
MWF	-69.238111	MT	1575.7888	MTR	-15307.773	YADD	0.0
NWF	0.0	NT	0.18143235E-4	NTR	-42057.681	ZADD	0.0
XMT	30.079456	XVT	-0.64416423E-7	ALFMTT	-22.034167	NADD	0.0
YMT	0.0	YVT	-0.34976672E-6	ALFVTT	0.0	LADD	0.0
ZMT	52.494398	ZVT	0.02035588E-7	AABB1F	2.1869018		

Figure D-10. (continued)

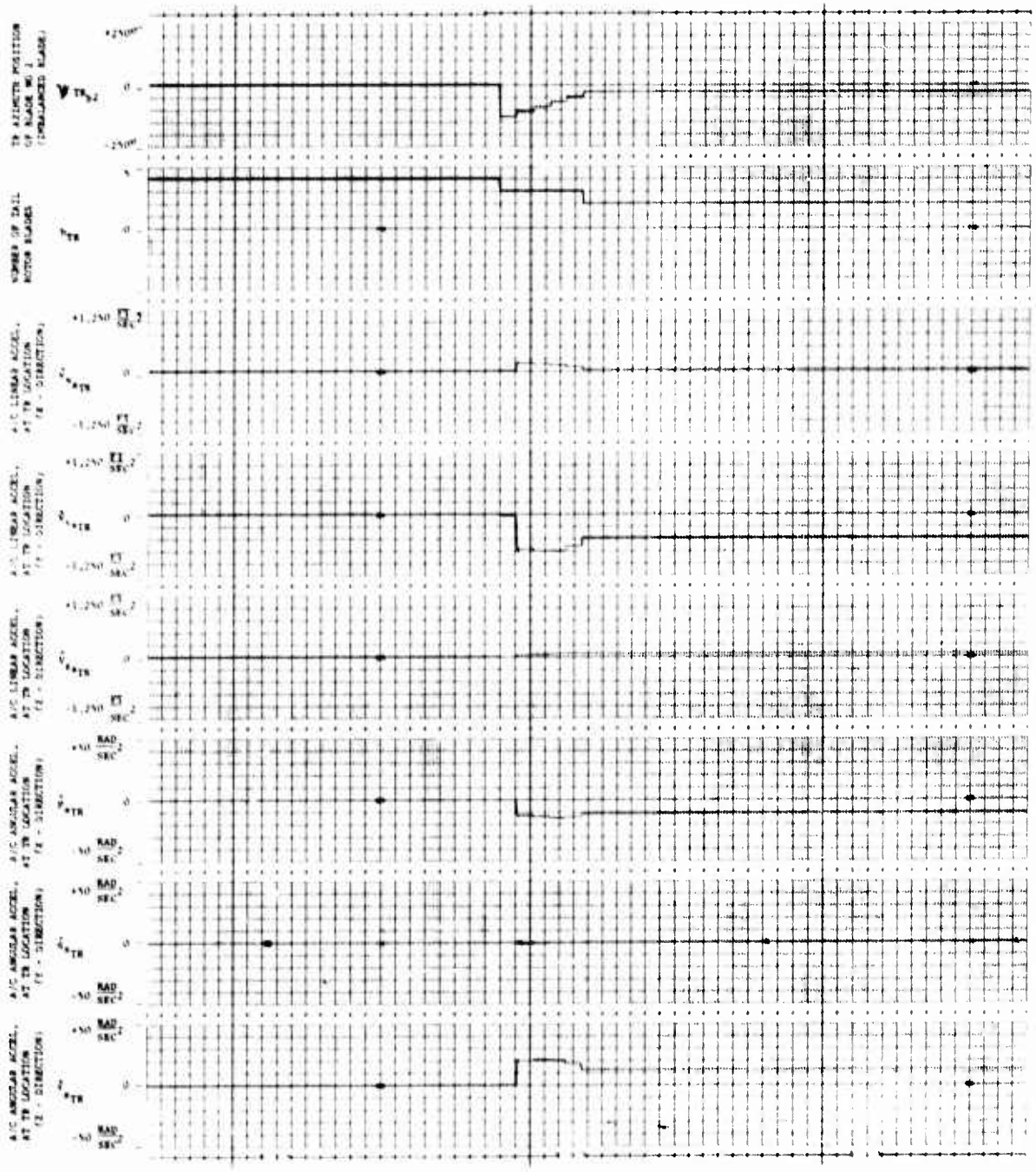


Figure D-11. Stepped Transition Time History, Damage = 50°

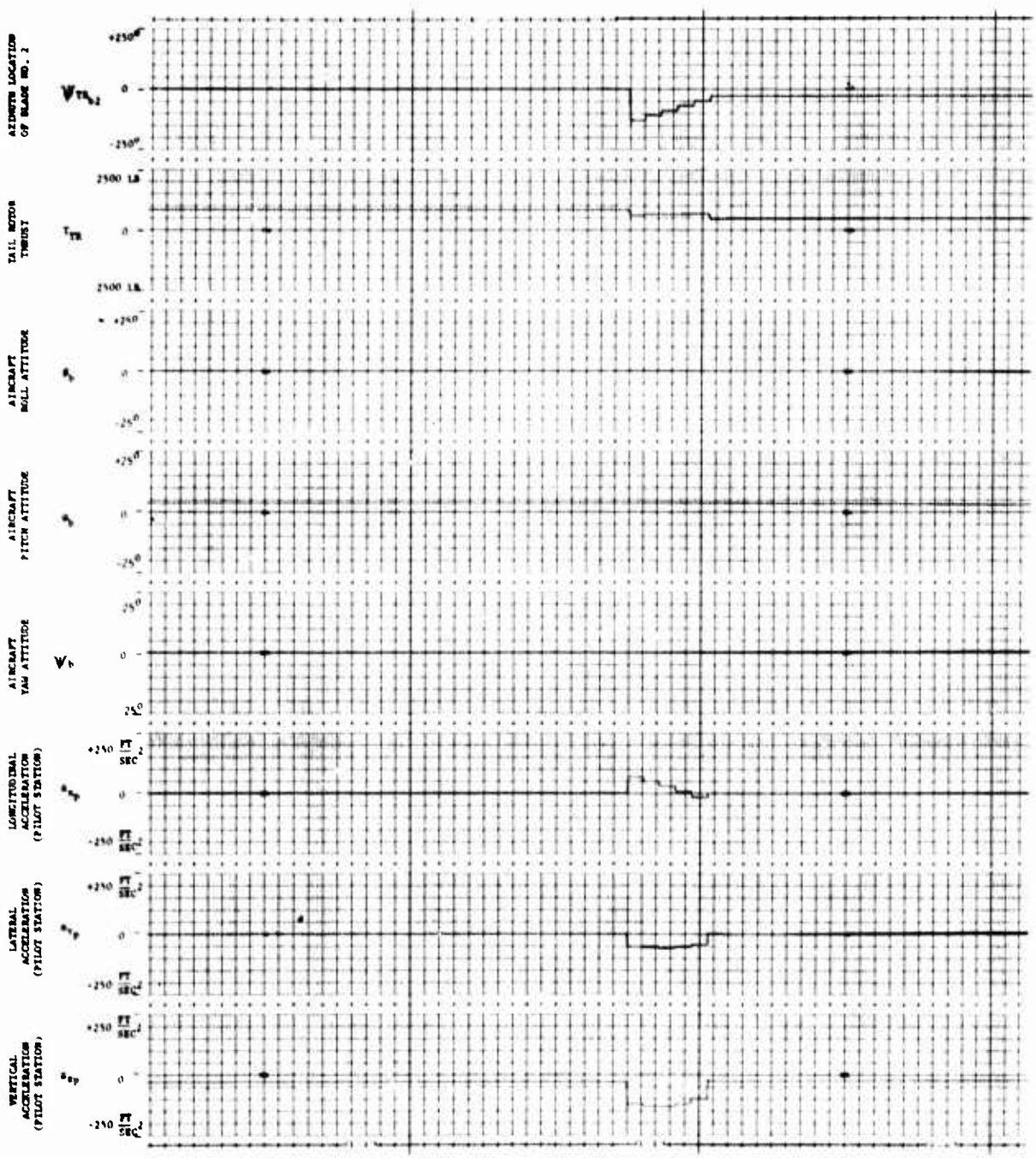


Figure D-11. (continued)

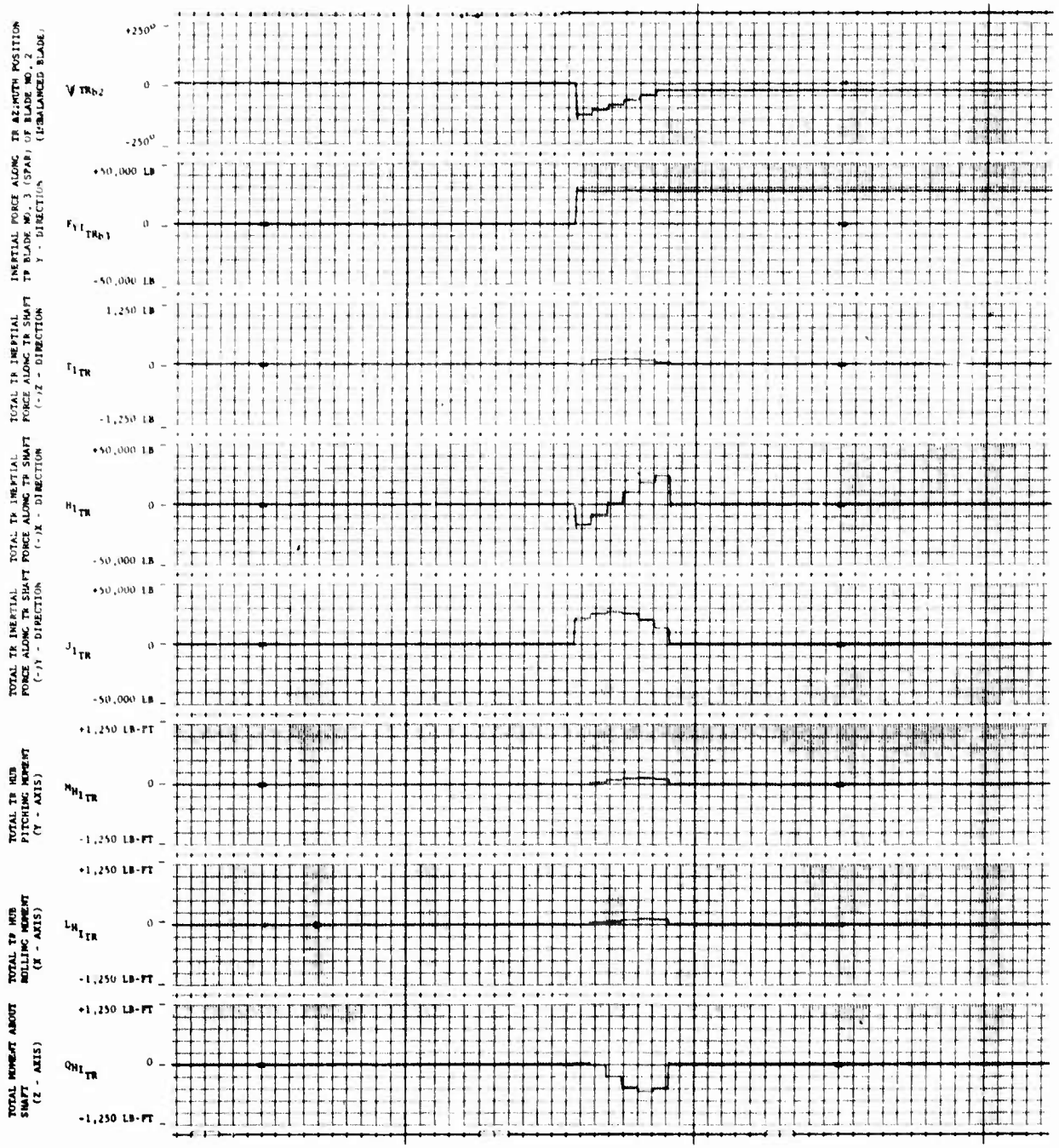


Figure D-11. (continued)

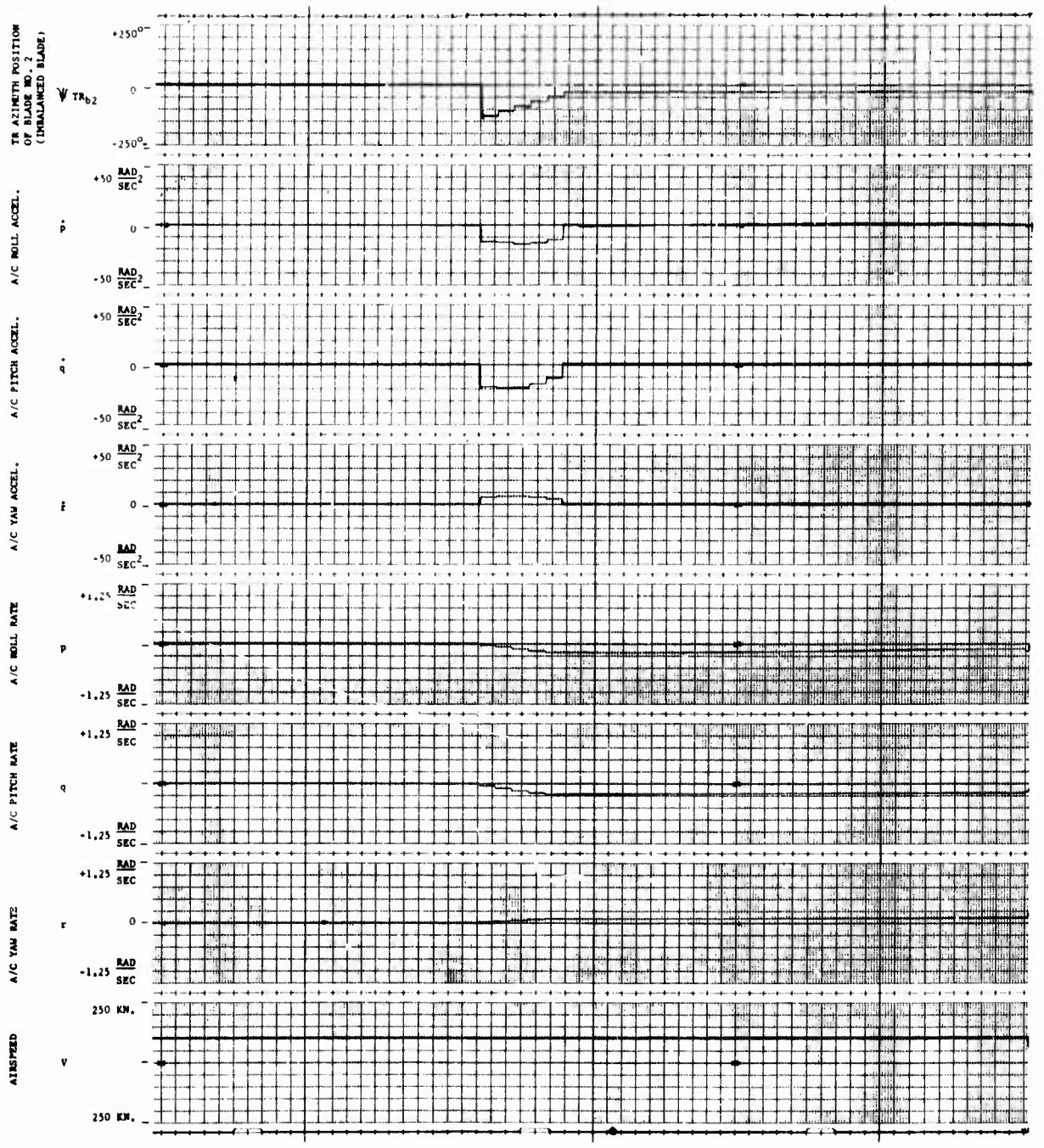


Figure D-11. (continued)

UTTAS(976) 1-21-77 18-NOV-77 RUN 18.

WEIGHT	16450.0	FSCG	368.22888	V	188.0	PSITR2	0.0
IX	4338.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	36515.0	RHO	0.23788888E-2	VSOUND	1116.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20888888E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.55888	NSSS	5.0	THSTTR	-16.0	WLVT	273.0
KFR	15.0	PASCNT	1217.0	WLHT	234.0	FSVT	695.0
FSMT	788.48888	SMT	45.0	SVT	32.388888	QSTR.	0.0
LATSTK	-0.59346281	AIS	-1.2161287	IMT	-2.7695562	XA	46.298737
LNGSTK	0.7472788	BIS	0.8851668	IS	-3.0	XB	19.898889
COLSTK	16.525114	THETAB	16.525114	TH75MR	6.4451148	XC	37.781963
PEDAL	11.187155	THETTR	18.441292	TH75TR	4.9412928	XP	58.598854
XAIN	4.6298737	XBIN	1.9898889	XCIN	3.7781963	XPIN	2.7317919
XBACTP	21.824488	XBACTI	2.1824488	RSTR.	0.0	PSTR	0.0
VXB	168.65883	THETAB	3.6888852	AABF	3.1814497	QSTR	0.0
VYB	11.391428	PHIB	0.0	AA1F	-5.6861862	RSTR	0.0
VZB	10.847795	BETAWF	3.6798895	BB1F	0.88649945E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.1988659	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.24187694	JITR	0.0
R	0.0	PSIDOT	0.0	BB1L	0.36288885	MHITR	0.0
ALFWF	0.55868986	EKTX	1.3847468	EKWFX	0.92684998	LMITR	0.0
CMITPP	82.883948	EKTZ	1.6498261	EKWFZ	1.0879961	QMITR	0.0
EKTR	0.0	EPSWT	0.48679889	SIGWT	0.64751975	XITR	0.0
QWF	37.429361	KQWT	0.87177979	KQVT	0.83188377	YITR	0.0
MUXB	0.23325674	CTBIG	0.67878526E-1	LTOT	3.4638934	ZITR	0.0
MUYB	0.15729112E-1	CMBIG	-0.47586958E-2	DTOT	24.481868	LITR	0.0
MUZB	0.27699811E-2	COMBIG	0.49892652E-6	TTR	837.84561	MITR	0.0
LAMBMR	-0.97539496E-2	NZ	0.99785491	MPMR	1133.2135	NITR	0.0
DWBMMR	0.12522958E-1	VC	0.71525573E-5	KTRBLK	1.0	AXP	2.8642155
XMR	1922.8498	MBAR	-1188.6898	VXBDOT	0.15184248E-2	AYP	-0.24486269E-1
YMR	-254.36815	JBAR	254.36815	VYBDOT	-0.14368817E-1	AZP	-32.183912
ZMR	-15644.593	TBAR	15724.929	VZBDOT	0.23989519E-2	VXP	168.65883
LMR	-5826.5936	LBARM	-2281.8183	PDOT	-0.95858965E-2	VYP	11.391428
MMR	-842.14135	MBARM	-15256.386	QDOT	0.20261896E-2	VZP	10.847795
NMR	22587.512	QBAR	23483.979	RDOT	-0.29749488E-2	RSTR.	0.0
XWF	-893.68488	XT	-23.853153	XTR	0.0	PSIDMG	58.6
YWF	-361.12768	YT	-178.11212	YTR	786.62487	BTR	4.0
ZWF	-138.22681	ZT	464.63322	ZTR	-286.38838	MADD	0.0
LWF	556.64727	LT	-395.81927	LTR	4831.4717	XADD	0.0
MWF	-3392.2619	MT	13183.227	MTR	-8878.7855	YADD	0.0
NWF	-3194.7182	NT	4978.2169	NTR	-24372.235	ZADD	0.0
XMT	-13.177281	XVT	-18.679871	ALFMTT	-4.7546483	NADD	0.0
YMT	-1.9745518	YVT	-176.13757	ALFVTT	3.8617782	LADD	0.0
ZMT	464.26319	ZVT	0.37883121	AABBIF	5.6868878		

Figure D-11. (continued)

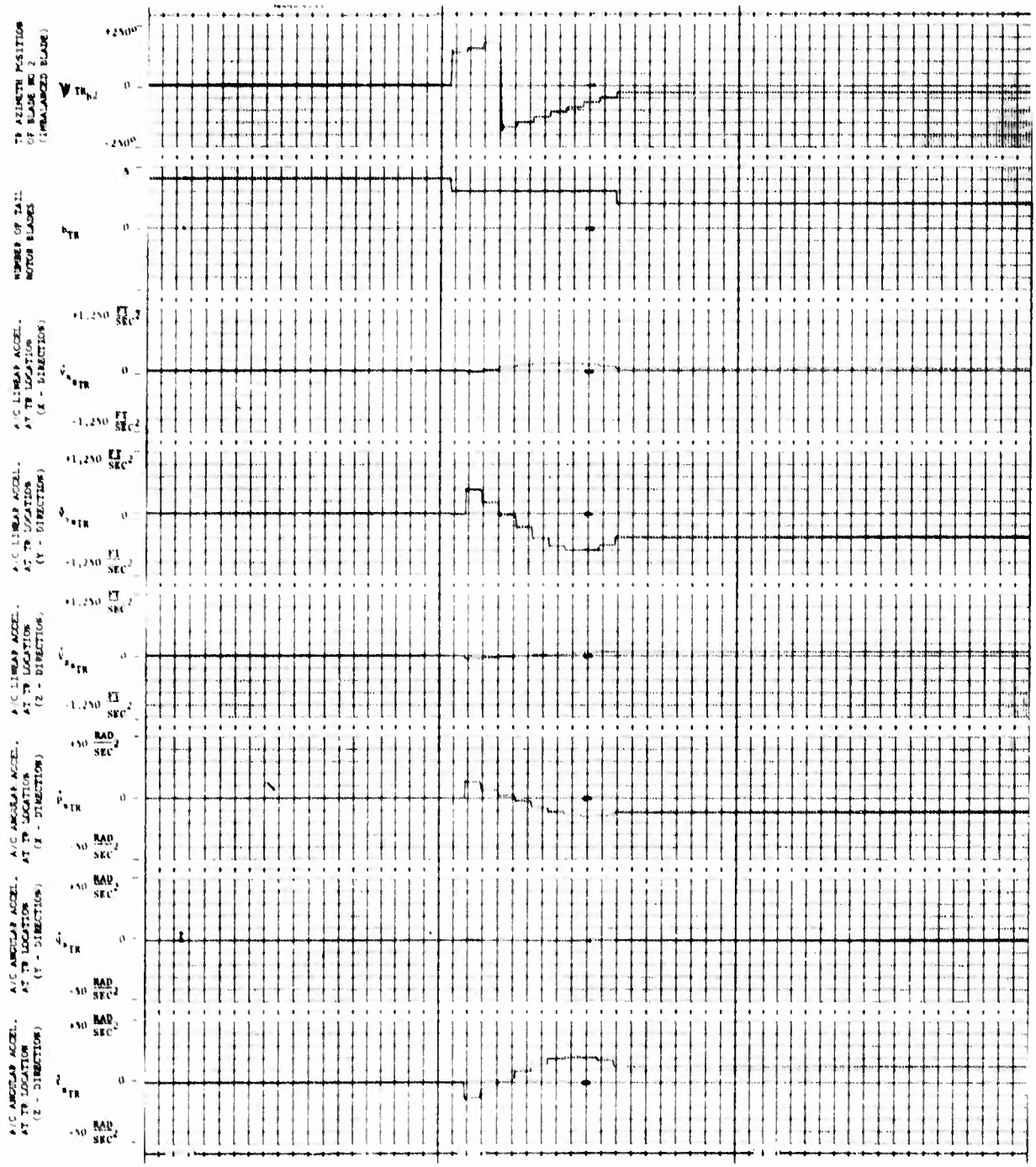


Figure D-12. Stepped Transition Time History, Damage = -50^{o}

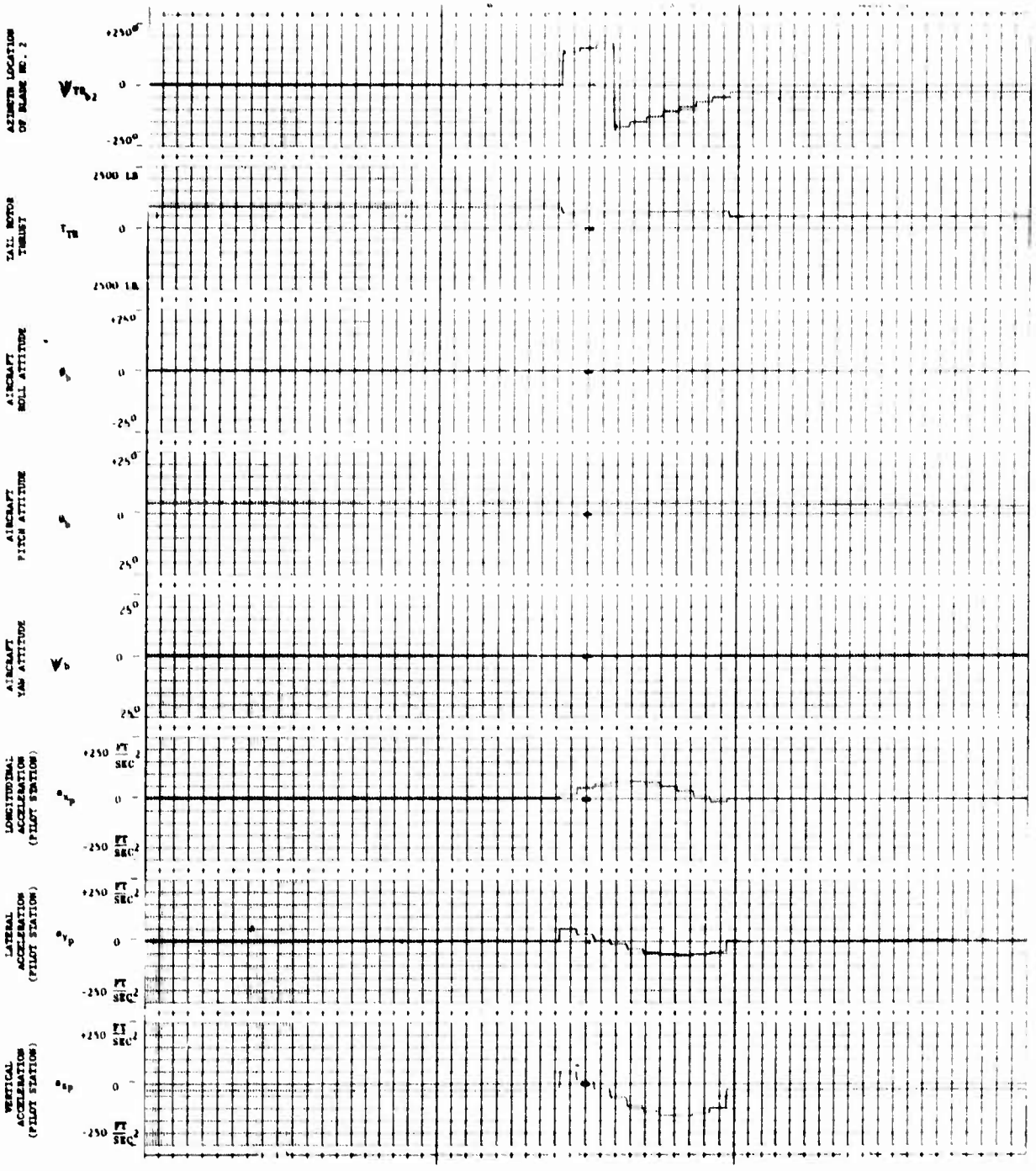


Figure D-12. (continued)

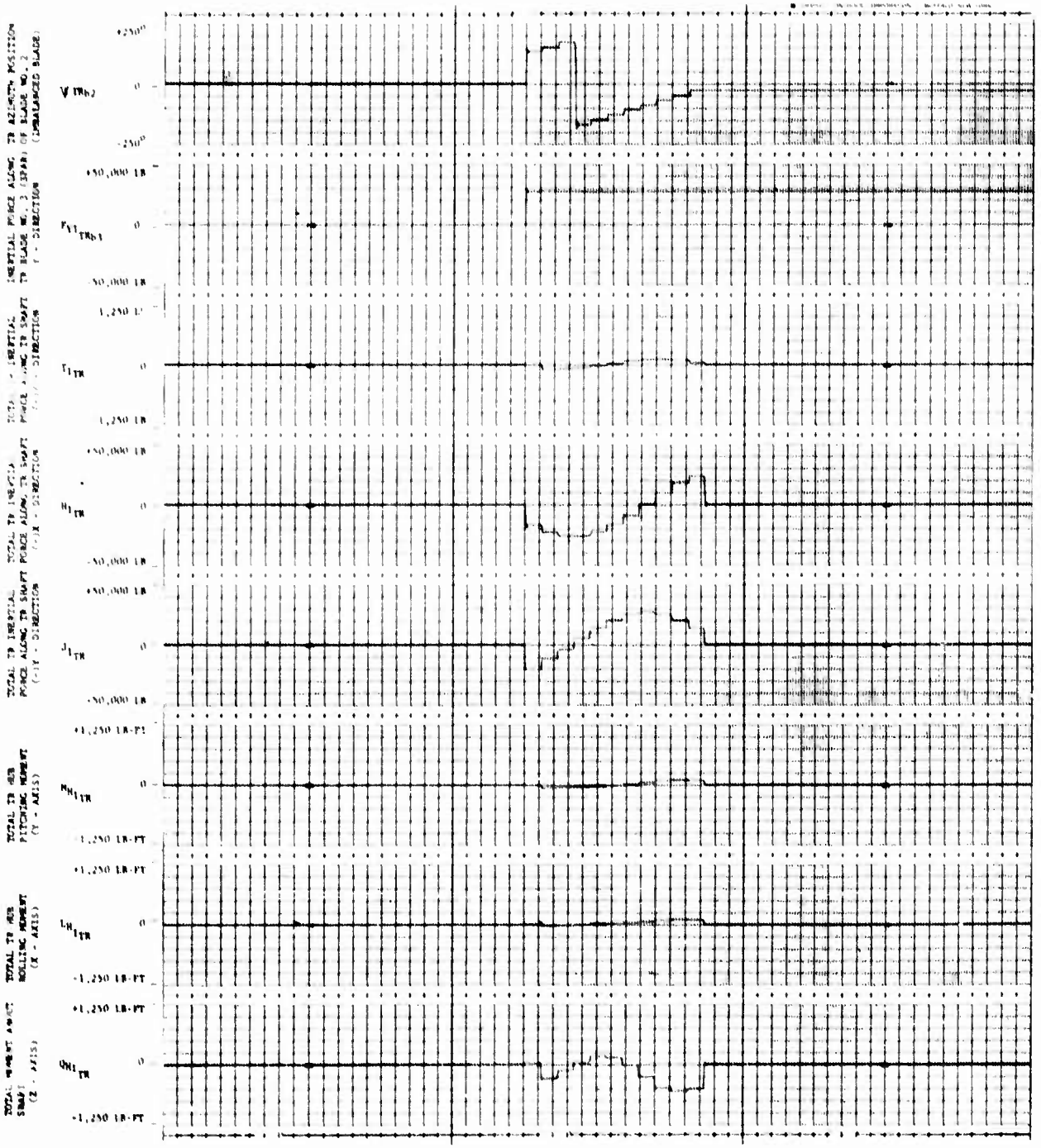


Figure D-12. (continued)

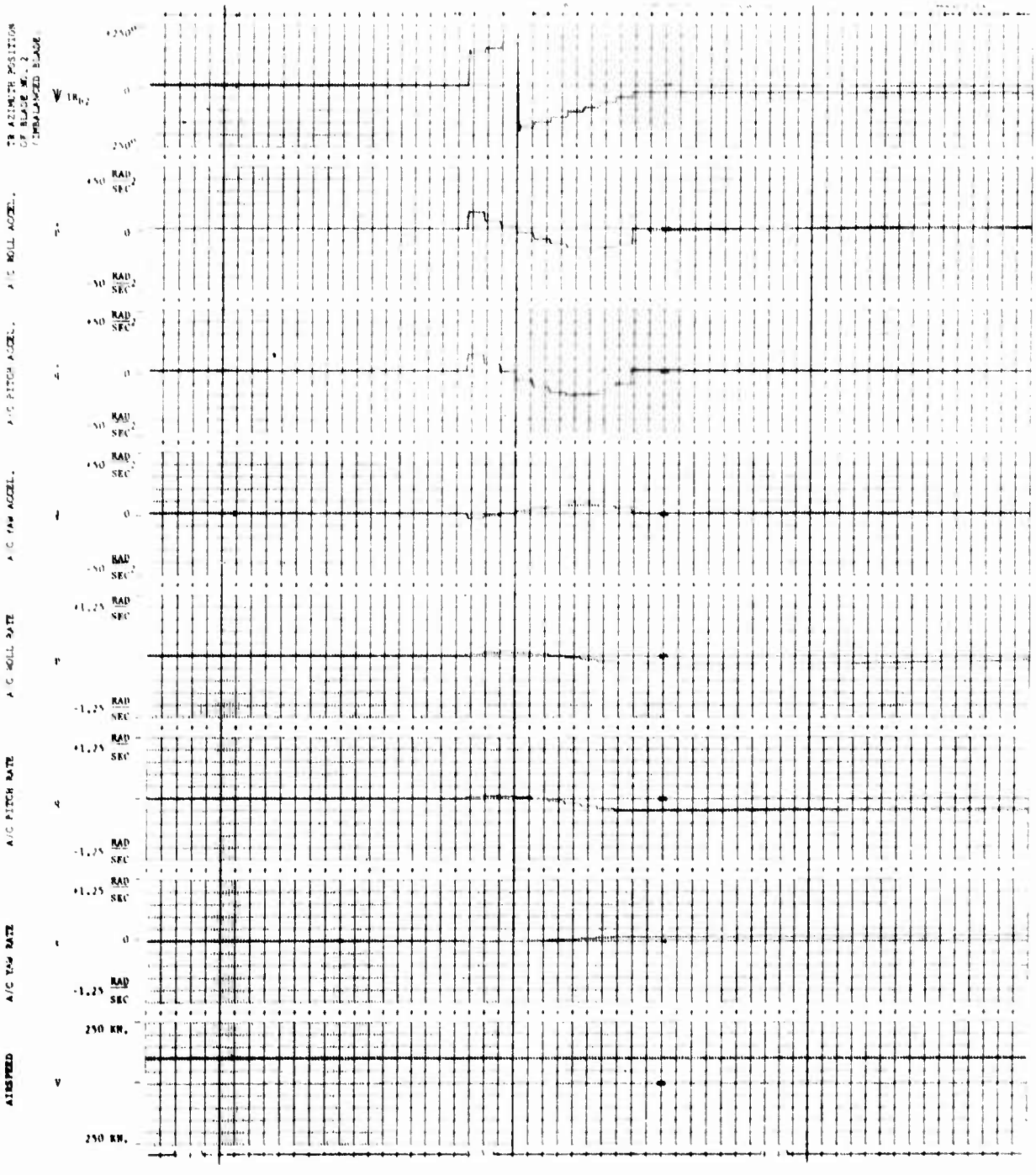


Figure D-12. (continued)

UTTAS(S76) 1-21-77 ~~17~~ 18-NOV-77 RUN 11.

WEIGHT	16450.0	FSCG	360.28000	V	100.0	PSITR2	0.0
IX	4330.0	WLCG	245.89999	DELS	-5.0	VXSTR.	0.0
IY	38515.0	RHO	0.23780000E-2	VSOUND	1116.0	VYSTR.	0.0
IZ	37363.0	TIME	0.20000000E-1	DEL3MR	0.0	VZSTR.	0.0
OMEGMR	27.0	NBSS	4.0	THSTMR	-18.0	PSTR.	0.0
OMEGTR	124.55000	NSSS	5.0	THSTTR	-18.0	WLVT	273.0
KFR	15.0	PASCNT	1217.0	WLMT	234.0	FSVT	695.0
FSMT	700.40000	SMT	45.0	SVT	32.300000	QSTR.	0.0
LATSTK	-0.59346281	AIS	-1.2161287	IMT	-2.7695562	XA	46.290737
LNGSTK	0.7472780	BIS	0.8851660	IS	-3.0	XB	19.090889
COLSTK	16.525114	THETAB	16.525114	TH75MR	6.4451140	XC	37.701963
PEDAL	11.187155	THETTR	10.441292	TH75TR	8.9412920	XP	50.590854
XAIN	4.6290737	XBIN	1.9090889	XCIN	3.7701963	XPIN	2.7317919
XBACTP	21.024400	XBACTI	2.1024400	RSTR.	0.0	PSTR	0.0
VXB	168.65003	THETAB	3.6000852	AA0F	3.1014497	QSTR	0.0
VYB	11.391428	PHIB	0.0	AA1F	-5.6061062	RSTR	0.0
VZB	10.847795	RETAWP	3.6790895	RB1F	0.88649945E-1	TITR	0.0
P	0.0	GAMC	0.0	AA0L	-4.1980659	HITR	0.0
Q	0.0	OMGRAT	1.0	AA1L	0.24187694	JITR	0.0
R	0.0	PBIDOT	0.0	RB1L	0.36200845	MHITR	0.0
ALFWP	0.55000986	EKTX	1.3847468	EKWFX	0.92604998	LHITR	0.0
CMITPP	82.003840	EKTZ	1.6490261	EKWFZ	1.2079961	QMITR	0.0
EKTR	0.0	EPSWT	0.48679889	SIGWT	0.64751975	XITR	0.0
QWF	37.429361	KQMT	0.87177979	KQVT	0.83100377	YITR	0.0
MUXS	0.23325674	CTSIG	0.67870526E-1	LTOT	3.4630934	ZITR	0.0
MUYS	0.15725112E-1	CMSIG	-0.47506950E-2	DTOT	24.481060	LITR	0.0
MUZS	0.27690811E-2	COMSIG	0.49892652E-6	TTR	837.04561	MITR	0.0
LAMBMR	-0.97539494E-2	NZ	0.99785491	MPMR	1133.2135	NITR	0.0
DWSMMR	0.12522950E-1	VC	0.71525573E-9	KTRBLK	1.0	AXP	2.8642159
XMR	1922.8494	MBAR	-1180.6898	VXBDOT	0.15184248E-2	AYP	-0.24486269E-1
YMR	-254.36815	JBAR	254.36815	VYBDOT	-0.14368817E-1	AZP	-32.183912
ZMR	-15644.553	TBAR	15724.929	VZBDOT	0.23909519E-2	VXP	168.65003
LMR	-5026.5936	LBARM	-2281.0183	PDOT	-0.95050965E-2	VYP	11.391428
MMR	-842.14135	MBARM	-15256.386	QDOT	0.28261896E-2	VZP	10.847795
NMR	22587.512	QBAR	23883.979	RDOT	-0.29749488E-2	RSTR.	0.0
XWF	-893.68498	XT	-23.853153	XTR	0.0	PSIDMG	-50.0
YWF	-361.12768	YT	-178.11212	YTR	786.62487	BTR	0.0
ZWF	-138.22681	ZT	464.63322	ZTR	-286.30838	MADD	0.0
LWF	556.64727	LT	-395.81927	LTR	4831.4717	XADD	0.0
MWF	-3392.2619	MT	13183.227	MTR	-8870.7855	YADD	0.0
NWF	-3194.7182	NT	4970.2169	NTR	-24372.235	ZADD	0.0
XMT	-13.177281	XVT	-10.675871	ALFMTT	-4.7546483	NADD	0.0
YMT	-1.9745518	YVT	-176.13757	ALFVTT	3.8617782	LADD	0.0
ZMT	464.26319	ZVT	0.37803121	AA9B1F	5.6868078		

Figure D-12. (continued)