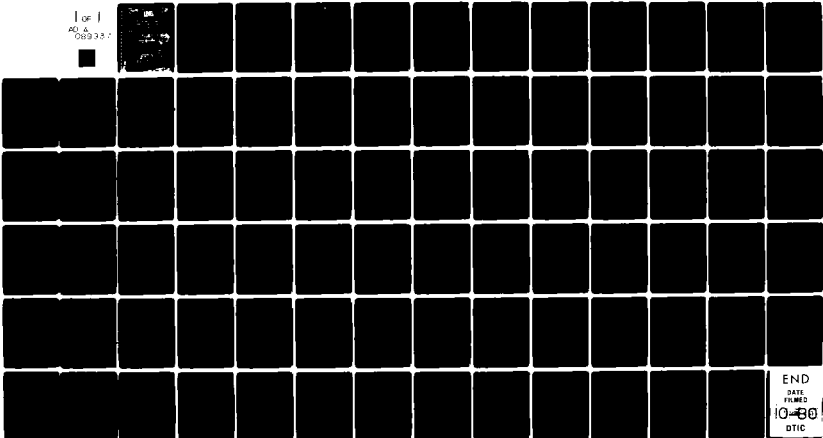


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GENERAL ELECTRIC CO LYNN MA AIRCRAFT ENGINE GROUP F/G 21/5
MARITIME PATROL AIRCRAFT ENGINE STUDY; GENERAL ELECTRIC DERIVAT—ETC(U)
APR 79 R HIRSCHKRON; R H DAVIS; R E WARREN N62269-78-C-0414
R79AE6052-VOL-4 NADC-79133-60-VOL-4 NL

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This study developed data on General Electric common core derivative engines for use in Maritime Patrol Aircraft (MPA) concept formulation studies. The study included the screening of potential General Electric turbofan and turboprop/turboshaft engines and the preparation of technical		

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and planning information on three of the most promising engine candidates. Screening of General Electric derivative candidates was performed utilizing an analytical MPA model using synthesized mission profiles to rank the candidates in terms of fuel consumption, weight, cost and complexity. The three turboprop engines selected for further study were as follows: TF34 growth derivative version with boost and new LPT (TF34/T7 Study A1), F404 derivative with booster stages and new LPT (F404/T1 Study A1), and GE27 scaled and boosted study engine (GE27/T3 Study A1). Volume I summarizes the screening analysis and contains technical, planning, installation, cost and development data for the three selected turboprop engines. Volumes II, III and IV of this report contain the detailed performance data estimates for the GE27/T3 Study A1, TF34/T7 Study A1 and F404/T1 Study A1 turboprop engines, respectively.

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GENERAL ELECTRIC

TECHNICAL INFORMATION SERIES

Title Page

VOLUME IV

AUTHOR R. Hirschkrone R. H. Davis R. E. Warren	SUBJECT MPA PROPULSION STUDY FINAL REPORT	NO. R79AEG052 DATE 4/26/79
TITLE MPA PROPULSION STUDY - FINAL REPORT (4 VOLUMES)		G.E. CLASS 3 GOVT. CLASS U Unclassified
COPIES AVAILABLE FROM AEG TECHNICAL INFORMATION CENTER <input checked="" type="checkbox"/> LYNN 24001 <input type="checkbox"/> EVENDALE N-32		NO. PAGES 80
SUMMARY G.E. CLASS <u>3</u> GOVT. CLASS <u>Unclassified</u>		
<p style="text-align: center;">Turboshaft performance and economic data is provided for three engines to report Maritime Patrol Aircraft (MPA) studies being carried out by airframe companies under USN contract. The three engines are the GE27/T3 Study A1, an advanced 8000 SHP engine, the TF34/T7 Study A1, an 9500 SHP derivative of a growth TF34 engine and the F404/T1 Study A1, a turboshaft derivative of the F404 turbofan engine in the 12500 SHP class.</p>		
KEY WORDS MPA, GE27/T3 Study A1, TF34/T7 Study A1, F404/T1 Study A1, Turboprop, Turboshaft		

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APPROVED BY R. E. Neitzel *H. P. Weitzel* Lynn Preliminary Design
(AUTHOR'S MANAGER) (ORGANIZATION)

DEPT./OPERATION AE&TPD LOCATION Lynn, Mass.

AIRCRAFT ENGINE GROUP

R79AEG052

MPA PROPULSION STUDY

FINAL REPORT

(IN FOUR VOLUMES)

by

R. Hirschkron
R. H. Davis
R. E. Warren

April 26, 1979

Prepared for U. S. Navy under Contract N62269-78-C-0414

APPENDIX C

The performance data contained in this appendix is for the F404/T1 Study A1 engine. Tables are included which define the flight conditions and operating points, nomenclature and station designations.

All data is uninstalled and is based on a fuel heating value of 18400 Btu/lbm.

APPENDIX C

F404/T1 STUDY A1

RAM RECOVERY =1, CUSTOMER BLEED =0, POWER EXTRACTION =0

<u>Case No.</u>	<u>Alt.</u>	<u>Mo</u>	<u>Day</u>	<u>Power Settings</u>
1-6	0	0	STD	Max, IRP, MC, Part Power
7-12	0	.1	↓	↓
13-18	0	.2		
19-24	0	.3		
25-30	0	0	HOT	
31-36	0	.1	↓	↓
37-42	0	.2		
43-48	0	.3		
49-53	0	.4	STD	IRP, MC, Part Power
54-58	0	.5	↓	↓
59-63	0	.6		
64-68	0	.7		
69-73	0	.75		
74-78	0	.8		
80-84	5K	.2		
85-89	5K	.3		
90-94	5K	.4		
95-99	5K	.5		
100-104	5K	.6		
105-109	10K	.2		
110-114	10K	.3		
115-119	10K	.4		
120-124	10K	.5		
125-129	10K	.6		
130-134	10K	.7		
135-139	10K	.75		
140-144	10K	.8		
145-149	15K	.3		
150-154	15K	.4		
155-159	15K	.5		
160-164	15K	.6		
165-169	15K	.7		
170-174	15K	.75		
175-179	15K	.8		
180-184	20K	.4	STD	
185-189	20K	.5	↓	↓
190-194	20K	.6		
195-199	20K	.7		

APPENDIX C

<u>Case No.</u>	<u>Alt.</u>	<u>Mo</u>	<u>Lay</u>	<u>Power Settings</u>
200-204	20K	.75	STD	IRP MC, Part Power
205-209	20K	.8	↓	↓
210-214	25K	.4		
215-219	25K	.5		
220-224	25K	.6		
225-229	25K	.7		
230-234	25K	.75		
235-239	25K	.8		
240-244	30K	.4		
245-249	30K	.5		
250-254	30K	.6		
255-259	30K	.7		
260-264	30K	.75		
265-269	30K	.8		
270-274	35K	.5		
275-279	35K	.6		
280-284	35K	.7		
285-289	35K	.75		
290-294	35K	.8		
295-299	40K	.5		
300-304	40K	.6		
305-309	40K	.7		
310-314	40K	.75		
315-319	40K	.8		
320-324	45K	.5		
325-329	45K	.6		
330-334	45K	.7		
335-339	45K	.75		
340-344	45K	.8		
345	0	0	TROP	MAX

APPENDIX CNOMENCLATURE

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
CASE	Numerical data point identification	-
ALT	Geopotential pressure altitude	ft
XM	Flight Mach number	-
ERAM1	Inlet ram recovery	-
WB3Q	Customer air bleed (fraction of W1)	-
PAMB	Ambient pressure	psia
TAMB	Ambient temperatures	°R
DTAMB	Deviation from standard ambient temperature (ambient minus standard temperature)	°F
P2	First compressor inlet total pressure	psia
T2	First compressor inlet total temperature	°R
PWSD	Output shaft horsepower, delivered	hp
SFC	Specific fuel consumption (WFT/PWSD)	lbm/hr/hp
EPWSD	Equivalent output shaft horsepower, delivered	hp
ESFC	Equivalent specific fuel consumption (WFT/EPWSD)	lbm/hr/hp
WFT	Fuel flow rate	lbm/hr
FN	Net thrust (in axial direction)	lbf
W1	Engine inlet airflow rate	lbm/sec
W1R	Referred engine inlet airflow rate	lbm/sec
W2R	Referred booster inlet airflow rate	lbm/sec
P21Q2	Booster pressure ratio	-
ECL	Booster adiabatic efficiency	-
W25R	Referred compressor inlet airflow rate	lbm/sec
P3Q25	Compressor pressure ratio	-
ECH	Compressor adiabatic efficiency	-

APPENDIX C

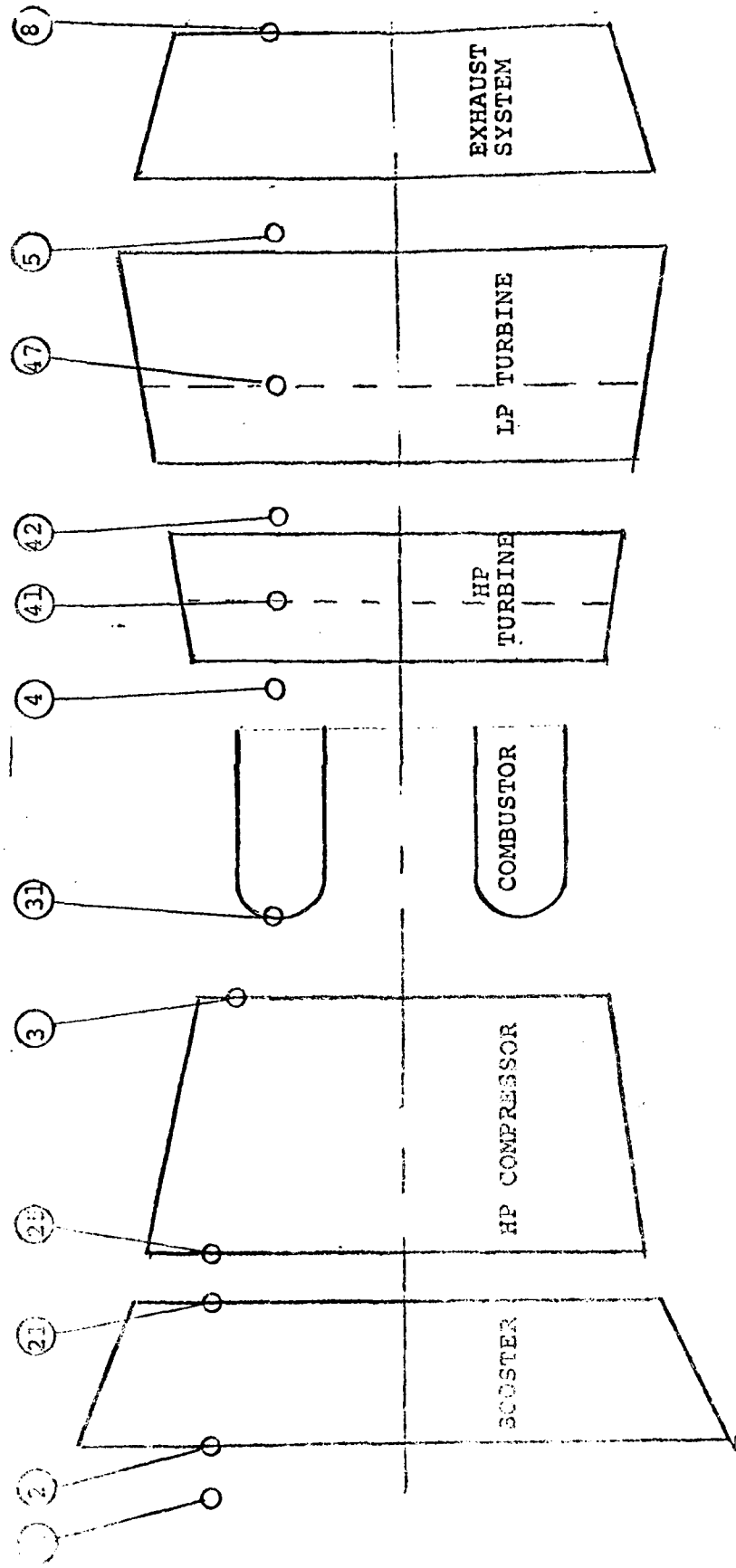
<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
PB3	Compressor discharge air bleed pressure	psia
TB3	Compressor discharge air bleed temperature	°R
EB	Combustor efficiency	-
T41	HP turbine rotor inlet temperature	°R
DH41R	HP turbine referred energy function	Btu/lbm/°R
P41Q42	HP turbine pressure ratio	-
ETH	HP turbine adiabatic efficiency	-
T47	LP turbine rotor inlet temperature	°R
DH47R	LP turbine referred energy function	Btu/lbm/°R
P47Q5	LP turbine pressure ratio	-
ETL	LP turbine adiabatic efficiency	-
XNL	LP turbine rotor speed (output shaft speed)	rpm
GW3S42	Ratio of parasitic flow originating at station 3 and reentering at station 42 to compressor inlet flow.	-
GW3S49	Ratio of parasitic flow originating at station 3 and reentering at station 49 to compressor inlet flow.	-
GW2742	Ratio of parasitic flow originating at station 27 and reentering at station 42 to compressor inlet flow.	-
GW2749	Ratio of parasitic flow originating at station 27 and reentering at station 49 to compressor inlet flow.	-
GWLK3	Ratio of overboard leakage flow from station 3 to compressor inlet flow.	-
GHW27	Enthalpy fraction at station 27, $(H_{27}-H_{25})/(H_3-H_{25})$ -	-
PWPAR	High pressure rotor parasitic power	hp
P2125Q	Inter-compressor pressure loss	-
P3D41Q	Combustor pressure loss	-
P4247Q	Inter-turbine pressure loss	-
P5D8Q	Exhaust system pressure loss	-

APPENDIX C

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>UNITS</u>
CD8	Exhaust nozzle flow discharge coefficient	-
CV8	Exhaust nozzle velocity coefficient	-
A8	Exhaust nozzle area	sq. in.
P8QAMB	Exhaust nozzle pressure ratio	-
T8	Exhaust gas temperature	°R
W8	Exhaust gas flow rate	lbm/sec
P8	Exhaust gas pressure	psia

STATION DESIGNATION SCHEMATIC DIAGRAM

APPENDIX C



<u>Station</u>	<u>Designation</u>
1	Engine Inlet
2	Booster Inlet
21	Booster Discharge
25	HP Compressor Inlet
3	HP Compressor Discharge
31	Combustor Inlet
4	Combustor Discharge
41	HP Turbine First Rotor Inlet
42	HP Turbine Discharge
47	LP Turbine First Rotor Inlet
5	LP Turbine Discharge
8	Exhaust Nozzle Discharge (Throat)

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	1.	2.	3.	4.	5.	6.
ALT	0.	0.	0.	0.	0.	0.
XM	0.	0.	0.	0.	0.	0.
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.	0.
P2	14.696	14.696	14.696	14.696	14.696	14.696
T2	518.67	518.67	518.67	518.67	518.67	518.67
PWSD	12512.7	9928.2	9276.8	7364.4	5227.1	3387.2
EPWSD	13192.5	10444.5	9755.8	7720.5	5481.7	3559.8
FN	1699.4	1290.7	1197.4	890.5	636.6	431.7
SFC	0.4570	0.4760	0.4808	0.5087	0.5506	0.6273
ESFC	0.4335	0.4525	0.4572	0.4852	0.5250	0.5969
WF	5718.6	4726.1	4459.9	3746.0	2877.8	2124.9
W1	63.312	55.818	54.126	47.927	41.659	35.229
PB3	200.364	172.237	165.425	140.763	117.236	94.645
TB3	1197.79	1146.39	1131.63	1073.21	1012.77	951.74
XNL	9691.4	9111.3	8818.4	7797.8	6838.4	6019.7
P8	16.742	16.232	16.116	15.743	15.439	15.197
T8	1699.55	1653.60	1631.13	1545.40	1463.43	1387.91

** F404/T1 STUDY 'A1' **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	7.	8.	9.	10.	11.	12.
ALT	0.	0.	0.	0.	0.	0.
XM	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.	0.
P2	14.799	14.799	14.799	14.799	14.799	14.799
T2	519.71	519.71	519.71	519.71	519.71	519.71
PWSD	12535.1	9993.7	9337.9	7418.0	5270.7	3424.7
EPWSD	12911.9	10275.0	9596.9	7604.1	5397.5	3504.8
FN	1484.9	1108.6	1020.8	733.4	499.7	315.5
SFC	0.4563	0.4744	0.4792	0.5067	0.5481	0.6233
ESFC	0.4430	0.4614	0.4663	0.4943	0.5352	0.6091
WF	5719.6	4741.1	4474.5	3758.9	2888.8	2134.7
W1	63.331	56.027	54.336	48.128	41.859	35.437
PB3	200.425	172.884	166.071	141.357	117.801	95.209
TB3	1197.99	1147.37	1132.65	1074.34	1014.10	953.33
XNL	9691.4	9098.2	8807.8	7791.6	6837.9	6025.3
P8	16.743	16.242	16.126	15.751	15.445	15.202
T8	1699.46	1652.32	1629.93	1544.15	1462.08	1386.21

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	13.	14.	15.	16.	17.	18.
ALT	0.	0.	0.	0.	0.	0.
XM	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.	0.
P2	15.112	15.112	15.112	15.112	15.112	15.112
T2	522.83	522.83	522.83	522.83	522.83	522.83
PWSD	12662.9	10190.5	9522.6	7580.5	5404.4	3537.7
EPWSD	13313.6	10667.0	9957.5	7877.5	5592.2	3641.5
FN	1282.3	939.1	856.9	585.4	370.0	204.4
SFC	0.4536	0.4697	0.4745	0.5010	0.5408	0.6117
ESFC	0.4314	0.4487	0.4538	0.4821	0.5226	0.5943
WF	5743.3	4786.1	4518.9	3798.0	2922.5	2164.0
W1	63.643	56.652	54.974	48.734	42.469	36.061
PB3	201.432	174.815	168.034	143.150	119.535	96.901
TB3	1199.65	1150.28	1135.74	1077.71	1018.13	958.09
XNL	9691.1	9059.2	8777.4	7773.6	6838.0	6041.6
P8	16.762	16.273	16.158	15.775	15.466	15.218
T8	1698.13	1648.55	1626.37	1540.42	1458.03	1381.17

** F404/TT STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	19.	20.	21.	22.	23.	24.
ALT	0.	0.	0.	0.	0.	0.
XM	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000
ERAMT	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.	0.
P2	15.643	15.643	15.643	15.643	15.643	15.643
T2	528.03	528.03	528.03	528.03	528.03	528.03
PWSD	12827.4	10513.6	9831.7	7854.4	5627.9	3728.2
EPWSD	13647.7	11105.6	10365.7	8192.0	5813.2	3800.0
FN	1077.6	777.6	701.6	443.5	243.4	94.4
SFC	0.4495	0.4621	0.4671	0.4919	0.5292	0.5934
ESFC	0.4225	0.4375	0.4431	0.4716	0.5123	0.5822
WF	5765.6	4858.4	4592.5	3863.6	2978.0	2212.4
W1	63.954	57.669	56.036	49.756	43.480	37.103
PB3	202.411	177.979	171.299	146.174	122.408	99.727
YB3	1201.29	1155.13	1140.81	1083.34	1024.72	965.89
XNL	9691.4	8990.6	8726.5	7744.4	6836.0	6067.2
P8	16.781	16.324	16.210	15.816	15.499	15.245
T8	1696.73	1642.44	1620.01	1534.32	1451.46	1373.02

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	25.	26.	27.	28.	29.	30.
ALT	0.	0.	0.	0.	0.	0.
XM	0.	0.	0.	0.	0.	0.
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	562.67	562.67	562.67	562.67	562.67	562.67
DTAMB	44.00	44.00	44.00	44.00	44.00	44.00
P2	14.696	14.696	14.696	14.696	14.696	14.696
T2	562.67	562.67	562.67	562.67	562.67	562.67
PWSD	9385.3	7832.8	7281.9	5640.0	3821.8	2415.0
EPWSD	9852.8	8221.9	7643.3	5904.5	4007.4	2540.8
FN	1169.0	972.8	903.5	661.5	463.8	314.5
SFC	0.4896	0.5064	0.5139	0.5524	0.6175	0.7309
ESFC	0.4663	0.4824	0.4896	0.5276	0.5890	0.6947
WF	4594.8	3966.3	3742.4	3115.5	2360.1	1765.0
W1	51.361	47.656	46.221	40.579	34.858	29.283
PB3	162.608	147.151	141.364	119.268	98.167	79.184
TB3	1215.42	1176.16	1161.30	1100.68	1040.24	980.77
XNL	9074.2	8410.4	8157.8	7213.5	6398.7	5683.9
P8	16.082	15.845	15.759	15.469	15.235	15.060
T8	1759.61	1700.59	1679.36	1596.36	1518.22	1460.63

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	31.	32.	33.	34.	35.	36.
ALT	0.	0.	0.	0.	0.	0.
XM	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	562.67	562.67	562.67	562.67	562.67	562.67
DTAMB	44.00	44.00	44.00	44.00	44.00	44.00
P2	14.799	14.799	14.799	14.799	14.799	14.799
T2	563.80	563.80	563.80	563.80	563.80	563.80
PWSD	9447.4	7891.2	7334.7	5686.8	3863.4	2442.7
EPWSD	9710.3	8105.5	7531.8	5824.9	3954.4	2499.1
FN	994.7	810.7	745.8	522.7	344.3	213.4
SFC	0.4879	0.5045	0.5120	0.5499	0.6137	0.7254
ESFC	0.4747	0.4911	0.4986	0.5369	0.5996	0.7090
WF	4609.8	3980.7	3755.3	3127.4	2371.0	1771.9
W1	51.560	47.864	46.414	40.773	35.062	29.459
PB3	163.257	147.797	141.960	119.842	98.750	79.649
TB3	1216.55	1177.38	1162.51	1102.10	1041.95	982.41
XNL	9063.1	8405.0	8151.1	7212.9	6404.3	5689.6
P8	16.092	15.853	15.767	15.475	15.240	15.064
T8	1758.32	1699.18	1678.04	1594.92	1516.38	1458.29

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	37.	38.	39.	40.	41.	42.
ALT	0.	0.	0.	0.	0.	0.
XM	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	562.67	562.67	562.67	562.67	562.67	562.67
DTAMB	44.00	44.00	44.00	44.00	44.00	44.00
P2	15.112	15.112	15.112	15.112	15.112	15.112
T2	567.18	567.18	567.18	567.18	567.18	567.18
PWSD	9637.8	8060.8	7495.0	5828.0	3981.5	2433.9
EPWSD	10078.0	8409.2	7810.9	6034.7	4103.1	2491.2
FN	832.8	659.1	597.7	391.2	230.0	108.3
SFC	0.4831	0.4990	0.5063	0.5428	0.6032	0.7200
ESFC	0.4620	0.4783	0.4858	0.5242	0.5854	0.7035
WF	4656.4	4022.2	3794.5	3163.2	2401.8	1752.5
W1	52.179	48.465	47.000	41.354	35.645	29.578
PB3	165.210	149.666	143.762	121.567	100.404	79.692
TB3	1219.88	1180.99	1166.13	1106.35	1046.79	982.76
XLN	9035.3	8384.6	8132.3	7210.5	6417.2	5655.3
P8	16.123	15.878	15.791	15.495	15.257	15.064
T8	1754.48	1695.19	1674.07	1590.64	1511.42	1447.48

APPROXIMATE BUSINESS TO DATE

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	43.	44.	45.	46.	47.	48.
ALT	0.	0.	0.	0.	0.	0.
XM	0.3000	0.3000	0.3000	0.3000	0.3000	0.3000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696	14.696
TAMB	562.67	562.67	562.67	562.67	562.67	562.67
DTAMB	44.00	44.00	44.00	44.00	44.00	44.00
P2	15.643	15.643	15.643	15.643	15.643	15.643
T2	572.81	572.81	572.81	572.81	572.81	572.81
PWSD	9961.1	8356.6	7765.8	6064.9	4172.8	2545.1
EPWSD	10499.6	8764.9	8127.1	6273.5	4265.3	2552.1
FN	679.3	515.0	455.7	263.2	116.6	8.9
SFC	0.4753	0.4901	0.4971	0.5313	0.5874	0.6970
ESFC	0.4510	0.4673	0.4750	0.5137	0.5747	0.6951
WF	4734.9	4095.5	3860.1	3222.4	2451.1	1773.9
W1	53.223	49.526	47.986	42.325	36.582	30.338
PB3	168.530	152.985	146.801	124.442	103.069	81.610
TB3	1225.49	1187.38	1172.16	1113.33	1054.44	989.54
XNL	8990.6	8360.0	8101.7	7205.4	6432.8	5667.8
P8	16.175	15.926	15.834	15.530	15.284	15.079
T8	1748.12	1688.47	1667.54	1583.65	1503.87	1434.93

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	49.	50.	51.	52.	53.
ALT	0.	0.	0.	0.	0.
XM	0.4000	0.4000	0.4000	0.4000	0.4000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.
P2	16.408	16.408	16.408	16.408	16.408
T2	535.31	535.31	535.31	535.31	535.31
PWSD	10978.9	10282.7	8244.7	5935.0	3980.4
EPWSD	11013.1	10844.4	8553.2	6052.7	3961.1
FN	624.8	553.4	304.0	115.9	-18.9
SFC	0.4524	0.4572	0.4798	0.5142	0.5717
ESFC	0.4277	0.4335	0.4625	0.5042	0.5745
WF	4966.4	4700.9	3956.1	3051.9	2275.5
W1	59.191	57.610	51.210	44.851	38.477
PB3	182.708	176.145	150.475	126.285	103.457
TB3	1162.18	1148.25	1091.20	1033.45	975.89
XNL	8912.4	8669.9	7705.0	6824.6	6090.6
P8	16.404	16.289	15.876	15.546	15.283
T8	1634.28	1612.47	1526.02	1442.78	1363.30

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	54.	55.	56.	57.	58.
ALT	0.	0.	0.	0.	0.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.
P2	17.432	17.432	17.432	17.432	17.432
T2	544.66	544.66	544.66	544.66	544.66
PWSD	11592.6	10871.5	8761.2	6354.8	4311.9
EPWSD	12198.6	11388.6	8970.7	6337.2	4137.2
FN	477.7	407.6	165.2	-13.9	-137.7
SFC	0.4410	0.4452	0.4655	0.4960	0.5464
ESFC	0.4191	0.4250	0.4546	0.4974	0.5694
WF	5112.2	4840.5	4077.9	3152.2	2355.9
W1	61.261	59.654	53.141	46.722	40.255
PB3	189.139	182.433	156.193	131.598	108.286
TB3	1171.56	1157.72	1101.41	1045.07	988.52
XNL	8830.5	8595.3	7663.4	6821.3	6117.0
P8	16.515	16.394	15.959	15.611	15.332
T8	1624.37	1602.48	1515.64	1431.63	1351.32

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	59.	60.	61.	62.	63.
ALT	0.	0.	0.	0.	0.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.
P2	18.744	18.744	18.744	18.744	18.744
T2	556.09	556.09	556.09	556.09	556.09
PWSD	12366.9	11613.8	9391.4	6870.8	4734.0
EPWSD	12872.9	12013.2	9423.8	6640.8	4330.1
FN	332.4	262.3	21.2	-151.0	-265.3
SFC	0.4281	0.4317	0.4497	0.4759	0.5184
ESFC	0.4113	0.4174	0.4481	0.4924	0.5668
WF	5294.7	5013.9	4223.0	3270.0	2454.3
W1	63.875	62.217	55.476	48.947	42.472
PB3	197.259	190.324	163.107	137.926	114.313
TB3	1183.07	1169.20	1113.54	1058.33	1003.68
XL	8740.1	8509.2	7602.7	6805.6	6143.3
P8	16.661	16.531	16.062	15.691	15.397
T8	1612.71	1590.70	1503.97	1419.14	1337.28

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	64.	65.	66.	67.	68.
ALT	0.	0.	0.	0.	0.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.
P2	20.383	20.383	20.383	20.383	20.383
T2	569.60	569.60	569.60	569.60	569.60
PWSD	13307.9	12505.9	10164.3	7500.7	5238.5
EPWSD	13637.2	12706.1	9937.1	6973.3	4519.3
FN	185.4	112.8	-127.9	-296.9	-404.9
SFC	0.4142	0.4172	0.4327	0.4546	0.4897
ESFC	0.4042	0.4106	0.4426	0.4890	0.5676
WF	5512.4	5217.7	4397.7	3410.0	2565.1
W1	67.028	65.269	58.326	51.642	45.039
PB3	207.060	199.713	171.552	145.584	121.287
TB3	1196.46	1182.54	1127.86	1073.91	1020.57
XNL	8634.9	8406.9	7538.8	6791.2	6159.9
P8	16.845	16.700	16.194	15.793	15.475
T8	1599.71	1577.67	1490.81	1405.11	1322.03

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	69.	70.	71.	72.	73.
ALT	0.	0.	0.	0.	0.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.
P2	21.341	21.341	21.341	21.341	21.341
T2	577.12	577.12	577.12	577.12	577.12
PWSD	13836.0	13004.8	10608.5	7864.3	5528.4
EPWSD	14046.8	13074.1	10217.8	7152.4	4615.4
FN	110.8	36.4	-205.3	-374.1	-479.7
SFC	0.4072	0.4098	0.4238	0.4437	0.4752
ESFC	0.4011	0.4077	0.4401	0.4878	0.5692
WF	5634.3	5330.0	4496.4	3489.0	2627.3
W1	68.813	60.973	59.954	53.185	46.497
PB3	212.606	204.985	176.378	149.973	125.268
TB3	1203.88	1190.06	1135.79	1082.55	1029.93
XNL	8577.9	8348.8	7506.0	6784.8	6168.2
P8	16.953	16.799	16.272	15.854	15.522
T8	1593.06	1570.95	1483.73	1397.54	1314.12

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	74.	75.	76.	77.	78.
ALT	0.	0.	0.	0.	0.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.
PAMB	14.696	14.696	14.696	14.696	14.696
TAMB	518.67	518.67	518.67	518.67	518.67
DTAMB	0.	0.	0.	0.	0.
P2	22.399	22.399	22.399	22.399	22.399
T2	585.17	585.17	585.17	585.17	585.17
PWSD	14380.7	13521.7	11090.1	8255.3	5828.4
EPWSD	14449.0	13434.1	10510.4	7332.6	4695.0
FN	33.7	-43.1	-295.6	-454.6	-558.4
SFC	0.4005	0.4027	0.4149	0.4327	0.4613
ESFC	0.3986	0.4053	0.4378	0.4871	0.5727
WF	5759.7	5444.8	4601.1	3571.9	2688.8
W1	70.664	68.737	61.691	54.822	47.988
PB3	218.367	210.410	181.530	154.631	129.313
TB3	1211.50	1197.57	1143.96	1091.50	1039.33
XNL	8509.2	8278.2	7469.5	6774.4	6168.0
P8	17.068	16.903	16.358	15.920	15.571
T8	1586.92	1564.49	1476.50	1389.87	1306.32

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** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	80.	81.	82.	83.	84.
ALT	5000.	5000.	5000.	5000.	5000.
XM	0.2000	0.2000	0.2000	0.2000	0.2000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	12.228	12.228	12.228	12.228	12.228
TAMB	500.84	500.84	500.84	500.84	500.84
OTAMB	0.	0.	0.	0.	0.
P2	12.574	12.574	12.574	12.574	12.574
T2	504.86	504.86	504.86	504.86	504.86
PWSD	9344.1	8726.5	6995.7	5027.4	3367.7
EPWSD	9801.4	9140.5	7280.0	5210.1	3472.5
FN	916.9	830.3	570.0	366.3	210.1
SFC	0.4611	0.4647	0.4871	0.5226	0.5812
ESFC	0.4396	0.4436	0.4681	0.5043	0.5637
WF	4308.3	4055.0	3407.5	2627.2	1957.3
W1	50.668	48.964	43.364	37.836	32.284
PB3	156.325	149.622	127.330	106.443	86.713
TB3	1138.93	1122.98	1064.88	1005.35	945.35
XNL	9456.9	9101.9	8025.8	7032.2	6170.7
P8	13.731	13.609	13.243	12.953	12.723
T8	1630.77	1608.44	1520.90	1438.16	1359.42

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	85.	86.	87.	88.	89.
ALT	5000.	5000.	5000.	5000.	5000.
XM	0.3000	0.3000	0.3000	0.3000	0.3000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	12.228	12.228	12.228	12.228	12.228
TAMB	500.84	500.84	500.84	500.84	500.84
DTAMB	0.	0.	0.	0.	0.
P2	13.015	13.015	13.015	13.015	13.015
T2	509.88	509.88	509.88	509.88	509.88
PWSD	9625.2	9005.4	7246.9	5231.6	3523.9
EPWSD	10205.1	9525.1	7582.3	5424.0	3609.0
FN	775.3	694.7	448.5	257.3	113.8
SFC	0.4539	0.4573	0.4786	0.5118	0.5666
ESFC	0.4281	0.4323	0.4574	0.4937	0.5533
WF	4369.2	4118.0	3468.3	2677.8	1996.7
W1	51.509	49.860	44.293	38.740	33.115
PB3	158.929	152.373	130.075	109.007	88.967
TB3	1143.21	1127.64	1070.37	1011.72	952.19
XNL	9362.5	9033.8	7997.8	7028.4	6182.4
P8	13.776	13.655	13.283	12.985	12.747
T8	1624.96	1602.43	1514.84	1431.62	1352.63

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	90.	91.	92.	93.	94.
ALT	5000.	5000.	5000.	5000.	5000.
XM	0.4000	0.4000	0.4000	0.4000	0.4000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	12.228	12.228	12.228	12.228	12.228
TAMB	500.84	500.84	500.84	500.84	500.84
DTAMB	0.	0.	0.	0.	0.
P2	13.653	13.653	13.653	13.653	13.653
T2	516.91	516.91	516.91	516.91	516.91
PWSD	10030.9	9402.3	7588.1	5519.3	3749.4
EPWSD	10671.4	9965.6	7916.0	5667.5	3765.2
FN	642.2	564.9	328.7	148.6	15.8
SFC	0.4447	0.4475	0.4677	0.4978	0.5474
ESFC	0.4180	0.4222	0.4483	0.4848	0.5451
WF	4460.3	4207.5	3548.7	2747.4	2052.4
W1	52.767	51.142	45.534	39.993	34.304
PB3	162.847	156.318	133.750	112.560	92.190
TB3	1149.50	1134.33	1077.70	1020.29	961.75
XNL	9252.6	8945.7	7946.5	7016.2	6199.3
P8	13.847	13.722	13.338	13.029	12.780
T8	1617.21	1594.24	1507.02	1422.91	1343.29

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	95.	96.	97.	98.	99.
ALT	5000.	5000.	5000.	5000.	5000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.
PAMB	12.228	12.228	12.228	12.228	12.228
TAMB	500.84	500.84	500.84	500.84	500.84
DTAMB	0.	0.	0.	0.	0.
P2	14.504	14.504	14.504	14.504	14.504
T2	525.95	525.95	525.95	525.95	525.95
PWSD	10571.5	9917.0	8032.5	5891.3	4044.9
EPWSD	11211.8	10464.0	8293.1	5937.6	3937.8
FN	513.6	438.8	209.0	37.2	-85.9
SFC	0.4334	0.4361	0.4546	0.4811	0.5249
ESFC	0.4086	0.4133	0.4404	0.4774	0.5392
WF	4581.6	4324.3	3651.9	2834.5	2123.1
W1	54.467	52.833	47.143	41.573	35.836
PB3	168.112	161.519	138.509	117.045	96.347
TB3	1157.83	1143.07	1087.00	1030.69	973.71
XNL	9131.7	8842.6	7880.3	6996.5	6217.0
P8	13.942	13.814	13.411	13.088	12.826
T8	1607.12	1584.25	1497.47	1412.49	1331.84

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	100.	101.	102.	103.	104.
ALT	5000.	5000.	5000.	5000.	5000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	12.228	12.228	12.228	12.228	12.228
TAMB	500.84	500.84	500.84	500.84	500.84
DTAMB	0.	0.	0.	0.	0.
P2	15.596	15.596	15.596	15.596	15.596
T2	536.99	536.99	536.99	536.99	536.99
PWSD	11245.8	10566.8	8593.8	6341.7	4413.3
EPWSD	11824.9	11041.8	8725.2	6222.2	4121.7
FN	387.1	317.5	87.8	-79.8	-194.9
SFC	0.4208	0.4237	0.4400	0.4631	0.5003
ESFC	0.4002	0.4055	0.4333	0.4719	0.5357
WF	4731.8	4477.0	3780.9	2936.5	2207.9
W1	56.597	55.060	49.175	43.464	37.707
PB3	174.725	168.371	144.529	122.416	101.429
TB3	1168.34	1154.18	1098.48	1043.15	987.89
XNL	8997.0	8745.9	7807.8	6959.9	6232.7
P8	14.007	13.939	13.505	13.160	12.883
T8	1595.36	1573.01	1486.22	1400.74	1318.69

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	105.	106.	107.	108.	109.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.2000	0.2000	0.2000	0.2000	0.2000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	10.392	10.392	10.392	10.392	10.392
T2	486.88	486.88	486.88	486.88	486.88
PWSD	8847.5	7995.1	6400.3	4653.3	3166.9
EPWSD	9309.4	8394.0	6668.9	4829.6	3270.8
FN	943.3	814.7	548.6	360.1	212.1
SFC	0.4477	0.4561	0.4744	0.5054	0.5553
ESFC	0.4254	0.4344	0.4553	0.4869	0.5376
WF	3960.6	3646.7	3036.6	2351.8	1758.5
W1	46.447	43.766	38.315	33.570	28.701
PB3	143.279	133.702	112.466	94.405	77.060
TB3	1133.93	1112.42	1051.48	992.83	932.12
XNL	9691.4	9542.6	8280.8	7258.1	6316.5
P8	11.614	11.429	11.055	10.788	10.573
T8	1603.59	1590.02	1501.92	1417.86	1338.44

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	110.	111.	112.	113.	114.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.3000	0.3000	0.3000	0.3000	0.3000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	10.758	10.758	10.758	10.758	10.758
T2	491.73	491.73	491.73	491.73	491.73
PWSD	8968.7	8230.2	6617.3	4828.8	3308.6
EPWSD	9556.7	8741.1	6943.8	5023.7	3403.5
FN	800.5	695.5	444.5	265.4	129.1
SFC	0.4436	0.4493	0.4667	0.4958	0.5422
ESFC	0.4163	0.4231	0.4448	0.4765	0.5270
WF	3978.7	3698.2	3088.6	2394.0	1793.8
W1	46.705	44.489	39.096	34.306	29.429
PB3	144.083	135.927	114.773	96.491	79.030
TB3	1135.68	1116.57	1056.54	998.36	938.68
XNL	9691.4	9458.9	8242.8	7239.5	6325.7
P8	11.630	11.469	11.091	10.815	10.595
T8	1602.12	1584.52	1496.27	1411.93	1331.78

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	115.	116.	117.	118.	119.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.4000	0.4000	0.4000	0.4000	0.4000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	11.284	11.284	11.284	11.284	11.284
T2	498.51	498.51	498.51	498.51	498.51
PWSD	9156.2	8561.8	6919.7	5074.9	3507.5
EPWSD	9805.0	9131.0	7255.0	5242.8	3551.6
FN	662.4	581.1	342.4	171.4	45.1
SFC	0.4379	0.4403	0.4566	0.4832	0.5252
ESFC	0.4089	0.4129	0.4355	0.4677	0.5187
WF	4009.6	3769.8	3159.6	2452.1	1842.1
W1	47.143	45.502	40.172	35.331	30.438
PB3	145.441	139.039	117.952	99.397	81.761
TB3	1138.47	1122.29	1063.42	1006.03	947.54
XNL	9691.4	9335.5	8183.1	7209.2	6334.0
P8	11.656	11.526	11.140	10.854	10.626
T8	1599.68	1577.02	1488.70	1403.98	1323.00

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	120.	121.	122.	123.	124.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	11.988	11.988	11.988	11.988	11.988
T2	507.23	507.23	507.23	507.23	507.23
PWSD	9608.7	9001.0	7323.1	5400.0	3768.1
EPWSD	10281.5	9578.2	7620.7	5494.4	3717.0
FN	549.5	471.4	243.1	77.1	-41.8
SFC	0.4275	0.4295	0.4444	0.4681	0.5053
ESFC	0.3995	0.4036	0.4270	0.4601	0.5123
WF	4107.4	3865.8	3254.4	2527.9	1904.2
W1	48.494	46.865	41.617	36.681	31.749
PB3	149.633	143.228	122.230	103.226	85.315
TB3	1145.74	1129.78	1072.43	1015.87	958.73
XNL	9540.9	9185.5	8117.4	7174.3	6342.8
P8	11.738	11.604	11.210	10.907	10.667
T8	1590.54	1567.73	1479.20	1394.07	1312.25

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	125.	126.	127.	128.	129.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	12.890	12.890	12.890	12.890	12.890
T2	517.89	517.89	517.89	517.89	517.89
PWSD	10168.8	9572.7	7832.1	5805.1	4097.7
EPWSD	10814.6	10112.5	8042.4	5775.1	3901.7
FN	439.6	367.5	143.1	-20.4	-133.4
SFC	0.4159	0.4172	0.4306	0.4514	0.4833
ESFC	0.3910	0.3949	0.4193	0.4537	0.5076
WF	4228.7	3993.6	3372.2	2620.4	1980.6
W1	50.177	48.701	43.431	38.349	33.391
PB3	154.858	148.883	127.590	107.958	89.771
TB3	1154.51	1139.85	1083.41	1027.68	972.32
XNL	9344.5	9045.3	8042.9	7131.2	6351.9
P8	11.844	11.714	11.299	10.975	10.720
T8	1580.18	1556.30	1467.99	1382.66	1299.66

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	130.	131.	132.	133.	134.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	14.018	14.018	14.018	14.018	14.018
T2	530.47	530.47	530.47	530.47	530.47
PWSD	10859.7	10240.6	8416.1	6300.2	4486.2
EPWSD	11434.5	10691.8	8480.6	6089.4	4087.4
FN	335.4	263.2	37.6	-123.0	-232.7
SFC	0.4038	0.4047	0.4161	0.4335	0.4606
ESFC	0.3835	0.3876	0.4129	0.4485	0.5055
WF	4384.9	4144.0	3501.8	2731.0	2066.2
W1	52.368	50.885	45.466	40.370	35.273
PB3	161.661	155.597	133.610	113.691	94.879
TB3	1165.73	1151.56	1095.68	1041.42	987.42
XNL	9162.1	8888.2	7931.3	7083.7	6346.7
P8	11.987	11.850	11.404	11.059	10.785
T8	1568.80	1544.59	1456.16	1369.90	1286.26

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	135.	136.	137.	138.	139.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	14.676	14.676	14.676	14.676	14.676
T2	537.49	537.49	537.49	537.49	537.49
PWSD	11247.4	10621.9	8761.0	6579.5	4706.4
EPWSD	11767.9	11013.7	8733.0	6255.6	4182.1
FN	283.4	213.3	-15.3	-176.4	-285.5
SFC	0.3976	0.3985	0.4085	0.4243	0.4490
ESFC	0.3800	0.3844	0.4098	0.4463	0.5053
WF	4472.3	4233.3	3578.5	2792.0	2113.3
W1	53.611	52.189	46.676	41.503	36.329
PB3	165.522	159.607	137.197	116.914	97.748
TB3	1172.14	1158.28	1102.82	1049.01	995.71
XNL	9068.3	8818.8	7881.6	7056.5	6342.7
PB	12.072	11.935	11.469	11.110	10.822
T8	1562.86	1538.79	1449.67	1363.17	1279.20

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	140.	141.	142.	143.	144.
ALT	10000.	10000.	10000.	10000.	10000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	10.107	10.107	10.107	10.107	10.107
TAMB	483.01	483.01	483.01	483.01	483.01
DTAMB	0.	0.	0.	0.	0.
P2	15.404	15.404	15.404	15.404	15.404
T2	545.00	545.00	545.00	545.00	545.00
PWSD	11681.0	11035.0	9130.3	6879.7	4947.5
EPWSD	12138.8	11356.5	8993.1	6425.0	4280.2
FN	233.7	164.1	-70.1	-232.1	-340.6
SFC	0.3914	0.3925	0.4008	0.4152	0.4374
ESFC	0.3766	0.3814	0.4069	0.4446	0.5056
WF	4571.9	4331.1	3659.1	2856.4	2164.0
W1	55.030	53.627	47.960	42.713	37.478
PB3	169.931	164.032	140.999	120.357	100.872
TB3	1179.20	1165.53	1110.21	1057.10	1004.54
XNL	8986.0	8752.6	7824.9	7026.2	6339.6
P8	12.171	12.031	11.538	11.164	10.864
T8	1556.66	1533.01	1443.05	1356.31	1271.85

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	145.	146.	147.	148.	149.
ALT	15000.	15000.	15000.	15000.	15000.
XM	0.3000	0.3000	0.3000	0.3000	0.3000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	8.294	8.294	8.294	8.294	8.294
TAMB	465.18	465.18	465.18	465.18	465.18
DTAMB	0.	0.	0.	0.	0.
P2	8.828	8.828	8.828	8.828	8.828
T2	473.58	473.58	473.58	473.58	473.58
PWSD	8647.8	7782.5	6018.0	4420.0	3070.5
EPWSD	9279.1	8314.4	6332.4	4613.5	3171.6
FN	875.6	737.8	436.0	268.4	140.3
SFC	0.4290	0.4366	0.4550	0.4811	0.5215
ESFC	0.3998	0.4086	0.4324	0.4610	0.5049
WF	3709.5	3397.5	2738.1	2126.6	1601.4
W1	43.553	40.763	34.349	30.179	25.988
PB3	134.352	124.535	100.798	84.855	69.771
TB3	1135.90	1112.01	1042.26	984.48	924.93
XNL	9691.5	9691.2	8510.2	7463.3	6490.6
P8	9.882	9.668	9.209	8.954	8.751
T8	1568.96	1557.01	1477.15	1392.58	1311.74

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	150.	151.	152.	153.	154.
ALT	15000.	15000.	15000.	15000.	15000.
XM	0.4000	0.4000	0.4000	0.4000	0.4000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	8.294	8.294	8.294	8.294	8.294
TAMB	465.18	465.18	465.18	465.18	465.18
DTAMB	0.	0.	0.	0.	0.
P2	9.260	9.260	9.260	9.260	9.260
T2	480.11	480.11	480.11	480.11	480.11
PWSD	8848.5	7908.5	6277.8	4638.2	3244.7
EPWSD	9574.1	8499.4	6614.2	4819.8	3310.9
FN	754.9	614.8	349.9	188.9	68.9
SFC	0.4234	0.4315	0.4458	0.4695	0.5066
ESFC	0.3913	0.4015	0.4232	0.4518	0.4964
WF	3746.8	3412.8	2798.9	2177.7	1643.6
W1	44.047	40.991	35.255	31.062	26.851
PB3	135.887	125.239	103.472	87.355	72.106
TB3	1138.27	1113.81	1048.71	991.73	933.35
XNL	9691.3	9691.3	8436.1	7425.0	6488.8
P8	9.915	9.682	9.254	8.989	8.779
T8	1566.39	1555.59	1470.08	1384.83	1303.46

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	155.	156.	157.	158.	159.
ALT	15000.	15000.	15000.	15000.	15000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	8.294	8.294	8.294	8.294	8.294
TAMB	465.18	465.18	465.18	465.18	465.18
DTAMB	0.	0.	0.	0.	0.
P2	9.838	9.838	9.838	9.838	9.838
T2	488.51	488.51	488.51	488.51	488.51
PWSD	9035.2	8166.2	6629.3	4921.1	3474.4
EPWSD	9786.4	8773.6	6949.8	5052.7	3469.1
FN	625.3	505.5	266.8	109.6	-4.4
SFC	0.4174	0.4238	0.4347	0.4559	0.4887
ESFC	0.3853	0.3944	0.4146	0.4440	0.4895
WF	3770.8	3460.6	2881.5	2243.6	1698.0
W1	44.379	41.675	36.495	32.209	27.976
PB3	136.921	127.333	107.140	90.600	75.148
TB3	1140.17	1118.35	1057.38	1000.85	943.98
XNL	9691.4	9634.4	8360.6	7376.3	6485.4
P8	9.938	9.726	9.316	9.037	8.816
T8	1564.68	1550.86	1460.92	1375.55	1293.17

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	160.	161.	162.	163.	164.
ALT	15000.	15000.	15000.	15000.	15000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	8.294	8.294	8.294	8.294	8.294
TAMB	465.18	465.18	465.18	465.18	465.18
DTAMB	0.	0.	0.	0.	0.
P2	10.578	10.578	10.578	10.578	10.578
T2	498.77	498.77	498.77	498.77	498.77
PWSD	9265.3	8625.1	7068.5	5276.3	3757.0
EPWSD	9984.3	9220.8	7334.0	5317.5	3638.9
FN	498.7	413.2	184.1	28.6	-81.9
SFC	0.4104	0.4127	0.4221	0.4407	0.4690
ESFC	0.3809	0.3860	0.4068	0.4373	0.4842
WF	3802.9	3559.4	2983.3	2325.2	1762.0
W1	44.843	43.068	38.038	33.645	29.317
PB3	138.361	131.615	111.688	94.667	78.782
TB3	1143.58	1126.53	1067.80	1011.92	956.18
XNL	9691.3	9442.5	8270.6	7322.6	6470.7
P8	9.972	9.815	9.398	9.099	8.863
T8	1562.46	1541.18	1450.33	1364.75	1281.60

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	165.	166.	167.	168.	169.
ALT	15000.	15000.	15000.	15000.	15000.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.
PAMB	8.294	8.294	8.294	8.294	8.294
TAMB	465.18	465.18	465.18	465.18	465.18
DTAMB	0.	0.	0.	0.	0.
P2	11.503	11.503	11.503	11.503	11.503
T2	510.90	510.90	510.90	510.90	510.90
PWSD	9754.3	9180.0	7608.1	5702.7	4102.2
EPWSD	10423.9	9725.1	7778.2	5608.6	3825.9
FN	398.1	324.1	101.1	-56.0	-164.2
SFC	0.4002	0.4010	0.4083	0.4245	0.4481
ESFC	0.3745	0.3785	0.3994	0.4316	0.4805
WF	3904.0	3681.1	3106.7	2420.8	1838.3
W1	46.246	44.801	39.927	35.358	30.947
PB3	142.717	136.942	117.285	99.530	83.194
TB3	1151.58	1136.48	1080.16	1024.97	970.53
XNL	9550.2	9217.4	8175.1	7256.0	6459.8
P8	10.071	9.931	9.501	9.176	8.922
T8	1554.53	1530.70	1438.33	1352.76	1268.60

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	170.	171.	172.	173.	174.
ALT	15000.	15000.	15000.	15000.	15000.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.
PAMB	8.294	8.294	8.294	8.294	8.294
TAMB	465.18	465.18	465.18	465.18	465.18
DTAMB	0.	0.	0.	0.	0.
P2	12.043	12.043	12.043	12.043	12.043
T2	517.67	517.67	517.67	517.67	517.67
PWSD	10074.9	9506.2	7913.3	5937.4	4299.7
EPWSD	10711.5	10015.8	8019.6	5755.5	3924.8
FN	353.2	282.8	59.0	-100.9	-208.0
SFC	0.3944	0.3950	0.4014	0.4162	0.4374
ESFC	0.3710	0.3749	0.3960	0.4294	0.4792
WF	3974.0	3755.1	3176.1	2471.1	1880.7
W1	47.219	45.866	40.999	36.276	31.866
PB3	145.737	140.217	120.461	102.132	85.688
TB3	1156.88	1142.57	1086.94	1031.71	978.37
XNL	9415.3	9119.5	8123.5	7209.7	6452.6
P8	10.142	10.006	9.562	9.218	8.956
T8	1549.27	1525.01	1432.13	1346.58	1261.71

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** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	175.	176.	177.	178.	179.
ALT	15000.	15000.	15000.	15000.	15000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	8.294	8.294	8.294	8.294	8.294
TAMB	465.18	465.18	465.18	465.18	465.18
DTAMB	0.	0.	0.	0.	0.
P2	12.640	12.640	12.640	12.640	12.640
T2	524.89	524.89	524.89	524.89	524.89
PWSD	10438.3	9859.0	8227.1	6208.7	4512.7
EPWSD	11038.6	10321.1	8256.6	5928.6	4025.6
FN	312.2	240.4	15.4	-145.7	-253.4
SFC	0.3886	0.3889	0.3948	0.4075	0.4267
ESFC	0.3675	0.3715	0.3933	0.4268	0.4783
WF	4056.5	3834.7	3247.7	2530.3	1925.5
W1	48.377	47.019	42.117	37.349	32.847
PB3	149.330	143.773	123.764	105.179	88.352
TB3	1163.25	1149.19	1094.01	1039.41	986.55
XNL	9301.8	9020.1	8061.2	7178.2	6443.3
P8	10.228	10.085	9.627	9.269	8.994
T8	1543.58	1519.12	1426.42	1339.89	1254.69

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	180.	181.	182.	183.	184.
ALT	20000.	20000.	20000.	20000.	20000.
XM	0.4000	0.4000	0.4000	0.4000	0.4000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	6.753	6.753	6.753	6.753	6.753
TAMB	447.35	447.35	447.35	447.35	447.35
DTAMB	0.	0.	0.	0.	0.
P2	7.540	7.540	7.540	7.540	7.540
T2	461.71	461.71	461.71	461.71	461.71
PWSD	8293.9	7563.1	5667.4	4202.7	2973.8
EPWSD	9064.1	8214.8	6004.8	4392.3	3056.3
FN	817.1	691.4	357.9	201.1	87.5
SFC	0.4144	0.4187	0.4373	0.4575	0.4899
ESFC	0.3792	0.3855	0.4127	0.4378	0.4767
WF	3437.0	3167.0	2478.2	1922.9	1456.9
W1	40.358	38.020	30.949	27.147	23.533
PB3	124.501	116.151	90.816	76.329	63.179
TB3	1136.14	1112.94	1035.11	977.02	919.03
XNL	9691.4	9691.4	8779.8	7661.9	6674.5
P8	8.407	8.199	7.653	7.399	7.205
T8	1540.02	1524.42	1452.36	1366.37	1284.06

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	185.	186.	187.	188.	189.
ALT	20000.	20000.	20000.	20000.	20000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	6.753	6.753	6.753	6.753	6.753
TAMB	447.35	447.35	447.35	447.35	447.35
DTAMB	0.	0.	0.	0.	0.
P2	8.011	8.011	8.011	8.011	8.011
T2	469.79	469.79	469.79	469.79	469.79
PWSD	8488.4	7723.6	5975.0	4453.9	3175.5
EPWSD	9320.4	8470.3	6313.6	4613.3	3206.0
FN	706.2	591.3	287.4	135.3	26.0
SFC	0.4085	0.4123	0.4263	0.4449	0.4736
ESFC	0.3720	0.3784	0.4034	0.4295	0.4691
WF	3467.1	3205.0	2546.9	1981.6	1504.0
W1	40.750	38.534	31.964	28.145	24.478
PB3	125.712	117.732	93.809	79.149	65.736
TB3	1137.72	1115.64	1042.95	985.72	928.69
XNL	9691.5	9691.3	8669.4	7607.9	6657.3
P8	8.437	8.236	7.708	7.442	7.238
T8	1538.00	1521.58	1443.07	1357.26	1274.34

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	190.	191.	192.	193.	194.
ALT	20000.	20000.	20000.	20000.	20000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	6.753	6.753	6.753	6.753	6.753
TAMB	447.35	447.35	447.35	447.35	447.35
DTAMB	0.	0.	0.	0.	0.
P2	8.614	8.614	8.614	8.614	8.614
T2	479.66	479.66	479.66	479.66	479.66
PWSD	8772.6	7933.7	6358.8	4760.6	3426.4
EPWSD	9628.7	8609.6	6666.8	4857.1	3372.7
FN	605.5	478.1	217.9	68.3	-38.0
SFC	0.4013	0.4059	0.4139	0.4310	0.4556
ESFC	0.3656	0.3740	0.3948	0.4224	0.4629
WF	3520.1	3220.2	2631.9	2051.7	1561.1
W1	41.454	38.766	33.235	29.356	25.644
PB3	127.895	118.445	97.557	82.578	68.893
TB3	1141.27	1117.73	1052.69	996.21	940.37
XNL	9691.3	9691.3	8546.6	7535.9	6633.8
P8	8.493	8.253	7.778	7.498	7.281
T8	1534.64	1520.35	1432.17	1346.94	1263.11

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	195.	196.	197.	198.	199.
ALT	20000.	20000.	20000.	20000.	20000.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	6.753	6.753	6.753	6.753	6.753
TAMB	447.35	447.35	447.35	447.35	447.35
DTAMB	0.	0.	0.	0.	0.
P2	9.367	9.367	9.367	9.367	9.367
T2	491.33	491.33	491.33	491.33	491.33
PWSD	2035.2	8224.2	6810.8	5134.2	3719.2
EPWSD	9848.8	8849.4	7058.4	5132.2	3543.5
FN	493.3	379.0	150.1	-1.2	-106.5
SEC	0.3937	0.3975	0.4017	0.4157	0.4369
ESFC	0.3612	0.3694	0.3876	0.4159	0.4586
WF	3557.3	3269.2	2736.2	2134.4	1625.0
W1	41.959	39.470	34.805	30.802	26.978
PB3	129.466	120.609	102.198	86.665	72.501
TB3	1144.06	1122.74	1064.20	1008.21	953.44
XNL	9691.4	9637.4	8423.1	7450.1	6590.9
P8	8.533	8.305	7.870	7.566	7.332
T8	1532.26	1516.13	1421.42	1335.30	1251.16

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	200.	201.	202.	203.	204.
ALT	20000.	20000.	20000.	20000.	20000.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	6.753	6.753	6.753	6.753	6.753
TAMB	447.35	447.35	447.35	447.35	447.35
DTAMB	0.	0.	0.	0.	0.
P2	9.807	9.807	9.807	9.807	9.807
T2	497.83	497.83	497.83	497.83	497.83
PWSD	9155.9	8492.4	7066.2	5346.2	3888.0
EPWSD	9924.4	9098.4	7272.5	5280.5	3636.6
FN	434.8	342.9	116.7	-37.1	-142.3
SFC	0.3900	0.3919	0.3957	0.4079	0.4273
ESFC	0.3598	0.3658	0.3845	0.4129	0.4568
WF	3571.0	3327.9	2796.3	2180.5	1661.3
W1	42.165	40.300	35.717	31.616	27.744
PB3	130.102	123.149	104.894	88.971	74.572
TB3	1145.87	1127.91	1070.64	1014.81	960.71
XNL	9691.4	9514.6	8364.0	7402.9	6570.8
P8	8.551	8.367	7.925	7.606	7.363
T8	1531.39	1510.96	1416.10	1329.15	1244.75

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	205.	206.	207.	208.	209.
ALT	20000.	20000.	20000.	20000.	20000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	6.753	6.753	6.753	6.753	6.753
TAMB	447.35	447.35	447.35	447.35	447.35
DTAMB	0.	0.	0.	0.	0.
P2	10.293	10.293	10.293	10.293	10.293
T2	504.78	504.78	504.78	504.78	504.78
PWSD	9327.2	8783.5	7341.5	5577.7	4076.3
EPWSD	10048.5	9362.9	7497.8	5438.4	3738.1
FN	382.3	307.3	82.9	-73.9	-179.4
SFC	0.3859	0.3861	0.3896	0.4000	0.4174
ESFC	0.3582	0.3622	0.3815	0.4102	0.4552
WF	3599.2	3391.3	2860.4	2230.8	1701.4
W1	42.564	41.203	36.698	32.511	28.597
PB3	131.342	125.936	107.795	91.509	76.881
TB3	1148.61	1133.56	1077.47	1021.92	968.62
XNL	9691.4	9382.5	8299.7	7359.7	6555.5
P8	8.584	8.435	7.986	7.651	7.397
T8	1529.64	1505.56	1410.64	1322.80	1237.92

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	210.	211.	212.	213.	214.
ALT	25000.	25000.	25000.	25000.	25000.
XM	0.4000	0.4000	0.4000	0.4000	0.4000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	5.454	5.454	5.454	5.454	5.454
TAMB	429.52	429.52	429.52	429.52	429.52
DTAMB	0.	0.	0.	0.	0.
P2	6.089	6.089	6.089	6.089	6.089
T2	443.30	443.30	443.30	443.30	443.30
PWSD	7366.0	7098.3	5110.0	3771.5	2685.5
EPWSD	8112.0	7296.2	5451.4	3962.0	2777.4
FN	807.8	755.7	369.6	206.2	99.5
SFC	0.4087	0.4100	0.4302	0.4464	0.4757
ESFC	0.3711	0.3733	0.4033	0.4250	0.4600
WF	3010.5	2910.5	2198.6	1683.7	1277.6
W1	35.809	34.925	27.258	23.517	20.384
PB3	109.827	106.693	79.977	66.118	54.735
TB3	1121.69	1112.17	1023.44	961.57	903.21
XL	9691.4	9691.3	9241.6	7898.0	6852.2
P8	7.034	6.947	6.310	6.046	5.868
T8	1504.08	1497.51	1434.72	1348.19	1266.09

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	215.	216.	217.	218.	219.
ALT	25000.	25000.	25000.	25000.	25000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	5.454	5.454	5.454	5.454	5.454
TAMB	429.52	429.52	429.52	429.52	429.52
DTAMB	0.	0.	0.	0.	0.
P2	6.469	6.469	6.469	6.469	6.469
T2	451.06	451.06	451.06	451.06	451.06
PWSD	7802.4	7232.8	5961.0	4857.6	2861.4
EPWSD	8684.4	7989.7	6413.2	5140.1	2917.7
FN	764.0	655.6	391.7	244.7	48.8
SFC	0.4023	0.4045	0.4179	0.4233	0.4607
ESFC	0.3614	0.3662	0.3884	0.4001	0.4518
WF	3138.8	2925.8	2491.1	2056.4	1318.2
W1	37.008	35.096	29.709	26.620	21.187
PB3	113.973	107.238	88.563	77.015	56.896
TB3	1132.66	1112.65	1054.80	1008.30	912.52
XNL	9691.3	9691.4	9665.4	8592.4	6824.8
P8	7.153	6.961	6.496	6.245	5.898
T8	1510.23	1497.06	1462.23	1395.93	1256.40

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	220.	221.	222.	223.	224.
ALT	25000.	25000.	25000.	25000.	25000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	5.454	5.454	5.454	5.454	5.454
TAMB	429.52	429.52	429.52	429.52	429.52
DTAMB	0.	0.	0.	0.	0.
P2	6.956	6.956	6.956	6.956	6.956
T2	460.54	460.54	460.54	460.54	460.54
PWSD	8111.9	7415.9	5671.0	4262.5	3079.2
EPWSD	9062.3	8194.2	6015.7	4398.9	3074.5
FN	686.0	561.8	248.8	98.5	-3.4
SFC	0.3956	0.3980	0.4089	0.4217	0.4443
ESFC	0.3541	0.3602	0.3855	0.4086	0.4450
WF	3209.2	2951.6	2318.9	1797.4	1368.1
W1	37.717	35.459	29.017	25.425	22.177
PB3	116.355	108.323	85.168	71.501	59.566
TB3	1137.82	1114.13	1038.37	979.89	923.50
XNL	9691.3	9691.6	8916.2	7760.6	6790.9
P8	7.223	6.991	6.413	6.137	5.937
T8	1511.86	1494.64	1416.80	1329.12	1245.75

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	225.	226.	227.	228.	229.
ALT	25000.	25000.	25000.	25000.	25000.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	5.454	5.454	5.454	5.454	5.454
TAMB	429.52	429.52	429.52	429.52	429.52
DTAMB	0.	0.	0.	0.	0.
P2	7.564	7.564	7.564	7.564	7.564
T2	471.74	471.74	471.74	471.74	471.74
PWSD	8368.6	7713.9	6042.0	4596.7	3343.3
EPWSD	9327.6	8495.7	6350.4	4667.5	3249.1
FN	593.3	483.7	190.8	43.8	-58.3
SFC	0.3885	0.3902	0.3972	0.4075	0.4268
ESFC	0.3485	0.3543	0.3780	0.4013	0.4392
WF	3250.9	3010.1	2400.2	1873.0	1427.1
W1	38.261	36.257	30.220	26.713	23.366
PB3	118.046	110.785	88.709	75.143	62.771
TB3	1140.26	1118.85	1047.93	991.61	936.20
XNL	9691.4	9691.2	8718.8	7679.3	6749.9
P8	7.274	7.059	6.488	6.202	5.985
T8	1509.52	1490.79	1406.77	1317.57	1233.86

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	230.	231.	232.	233.	234.
ALT	25000.	25000.	25000.	25000.	25000.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	5.454	5.454	5.454	5.454	5.454
TAMB	429.52	429.52	429.52	429.52	429.52
DTAMB	0.	0.	0.	0.	0.
P2	7.919	7.919	7.919	7.919	7.919
T2	477.99	477.99	477.99	477.99	477.99
PWSD	8528.8	7805.9	6265.5	4781.4	3494.9
EPWSD	9482.2	8554.4	6549.7	4808.0	3344.4
FN	550.6	432.2	164.1	15.4	-86.9
SFC	0.3846	0.3866	0.3912	0.4003	0.4178
GSFC	0.3459	0.3528	0.3743	0.3981	0.4366
WF	3280.1	3018.0	2451.3	1913.9	1460.3
W1	38.649	36.377	30.981	27.419	24.045
PB3	119.247	111.153	90.957	77.144	64.605
TB3	1142.29	1119.95	1054.05	998.06	943.22
XNL	9691.3	9691.2	8641.5	7628.5	6728.6
P8	7.310	7.069	6.537	6.239	6.014
T8	1507.91	1490.21	1401.24	1311.67	1227.50

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	235.	236.	237.	238.	239.
ALT	25000.	25000.	25000.	25000.	25000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	5.454	5.454	5.454	5.454	5.454
TAMB	429.52	429.52	429.52	429.52	429.52
DTAMB	0.	0.	0.	0.	0.
P2	8.312	8.312	8.312	8.312	8.312
T2	484.67	484.67	484.67	484.67	484.67
PWSO	8697.7	7906.5	6500.3	4978.9	3654.1
EPWSO	9633.6	8610.9	6752.3	4954.0	3438.4
FN	506.7	381.3	136.4	-13.5	-116.8
SFC	0.3805	0.3829	0.3852	0.3932	0.4089
ESFC	0.3435	0.3516	0.3708	0.3952	0.4346
WF	3309.6	3027.5	2504.0	1957.8	1494.3
W1	39.040	36.524	31.776	28.184	24.747
PB3	120.453	111.598	93.299	79.311	66.509
TB3	1144.23	1121.39	1060.41	1004.92	950.43
XNL	9691.3	9691.4	8554.8	7575.7	6698.7
PB	7.346	7.081	6.590	6.280	6.044
T8	1506.30	1489.50	1395.64	1305.88	1221.26

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	240.	241.	242.	243.	244.
ALT	30000.	30000.	30000.	30000.	30000.
XM	0.4000	0.4000	0.4000	0.4000	0.4000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	4.364	4.364	4.364	4.364	4.364
TAMB	411.69	411.69	411.69	411.69	411.69
DTAMB	0.	0.	0.	0.	0.
P2	4.873	4.873	4.873	4.873	4.873
T2	424.90	424.90	424.90	424.90	424.90
PWSD	6114.7	6129.8	4569.8	333.1	2380.4
EPWSD	6716.0	6735.4	4910.5	3540.2	2475.9
FN	665.0	669.7	376.8	206.9	105.7
SFC	0.4073	0.4073	0.4246	0.4366	0.4651
ESEC	0.3709	0.3706	0.3951	0.4135	0.4471
WF	2490.7	2496.4	1940.1	1464.0	1107.1
W1	29.539	29.617	23.878	20.214	17.428
PB3	89.134	89.401	70.077	56.851	46.824
TB3	1081.70	1082.65	1011.59	944.78	885.68
XNL	9691.4	9691.4	9691.3	8145.7	7006.4
PB	5.658	5.667	5.178	4.905	4.739
T8	1451.69	1452.19	1418.19	1331.09	1250.76

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	245.	246.	247.	248.	249.
ALT	30000.	30000.	30000.	30000.	30000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	4.364	4.364	4.364	4.364	4.364
TAMB	411.69	411.69	411.69	411.69	411.69
DTAMB	0.	0.	0.	0.	0.
P2	5.177	5.177	5.177	5.177	5.177
T2	432.33	432.33	432.33	432.33	432.33
PWSD	6542.0	6542.3	4771.5	3538.7	2534.4
EPWSD	7303.6	7303.7	5138.2	3723.1	2607.8
FN	673.8	673.6	324.4	163.1	64.9
SFC	0.4000	0.4000	0.4155	0.4258	0.4511
ESFC	0.3583	0.3583	0.3858	0.4048	0.4384
WF	2616.6	2616.6	1982.5	1506.9	1143.3
W1	31.256	31.256	24.483	20.924	18.120
PB3	95.044	95.043	71.852	58.851	48.682
TB3	1100.78	1100.77	1017.12	952.96	894.53
XNL	9691.4	9691.4	9547.0	3067.6	6978.4
P8	5.834	5.833	5.216	4.940	4.766
T8	1463.91	1463.85	1411.04	1322.39	1241.38

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	250.	251.	252.	253.	254.
ALT	30000.	30000.	30000.	30000.	30000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.
PAMB	4.364	4.364	4.364	4.364	4.364
TAMB	411.69	411.69	411.69	411.69	411.69
DTAMB	0.	0.	0.	0.	0.
P2	5.566	5.566	5.566	5.566	5.566
T2	441.42	441.42	441.42	441.42	441.42
PWSD	6903.5	6890.0	5042.3	3779.9	2728.8
EPWSD	7789.4	7772.9	5417.2	3943.4	2760.3
FN	653.2	651.0	276.4	120.5	23.3
SFC	0.3931	0.3931	0.4048	0.4134	0.4354
ESFC	0.3484	0.3485	0.3768	0.3962	0.4304
WF	2713.8	2708.6	2040.9	1562.5	1188.1
W1	32.551	32.529	25.322	21.847	18.987
PB3	99.500	99.393	74.317	61.451	51.011
TB3	1114.19	1113.65	1024.65	963.11	905.36
XNL	9691.3	9691.3	9358.0	7993.6	6946.5
P8	5.974	5.970	5.271	4.988	4.801
T8	1472.49	1471.34	1401.79	1311.77	1230.34

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	255	256	257	258	259
ALT	30000.	30000.	30000.	30000.	30000.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	4.364	4.364	4.364	4.364	4.364
TAMB	411.69	411.69	411.69	411.69	411.69
DTAMB	0.	0.	0.	0.	0.
P2	6.053	6.053	6.053	6.053	6.053
T2	452.15	452.15	452.15	452.15	452.15
PWSD	7672.7	7057.8	5089.7	3720.4	2645.9
EPWSD	8767.2	7948.7	5396.6	3791.1	2525.5
FN	691.7	563.0	193.9	44.7	-44.5
SFC	0.3865	0.3864	0.3943	0.4047	0.4265
ESFC	0.3383	0.3431	0.3719	0.3972	0.4382
WF	2965.8	2726.8	2007.0	1505.7	1128.5
W1	34.858	32.756	25.579	22.070	19.094
PB3	107.542	100.089	74.505	61.257	50.502
TB3	1137.87	1114.17	1021.94	957.55	899.58
XNL	9691.4	9691.2	8871.5	7599.3	6606.5
P8	6.248	5.992	5.270	4.981	4.792
T8	1490.81	1470.33	1374.93	1275.24	1191.65

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

GASE	260.	261.	262.	263.	264.
ALT	30000.	30000.	30000.	30000.	30000.
XN	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	4.364	4.364	4.364	4.364	4.364
TAMB	411.69	411.69	411.69	411.69	411.69
DTAMB	0.	0.	0.	0.	0.
P2	6.337	6.337	6.337	6.337	6.337
T2	458.14	458.14	458.14	458.14	458.14
PWSD	7762.6	7164.0	5534.5	4222.1	3092.5
EPWSD	8852.0	8049.6	5884.0	4317.1	3019.8
FN	642.6	522.3	206.2	56.0	-42.9
SFC	0.3830	0.3827	0.3881	0.3942	0.4102
ESFC	0.3358	0.3406	0.3650	0.3855	0.4201
WF	2972.8	2741.8	2147.7	1664.3	1268.6
W1	34.939	32.957	26.878	23.556	20.579
PB3	107.789	100.699	78.908	66.267	55.300
TB3	1137.77	1115.12	1038.73	980.71	924.47
XNL	9691.3	9691.3	9034.4	7852.5	6873.6
P8	6.256	6.012	5.377	5.082	4.871
T8	1490.48	1469.42	1387.29	1295.58	1211.85

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	265.	266.	267.	268.	269.
ALT	30000.	30000.	30000.	30000.	30000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	4.364	4.364	4.364	4.364	4.364
TAMB	411.69	411.69	411.69	411.69	411.69
DTAMB	0.	0.	0.	0.	0.
P2	6.652	6.652	6.652	6.652	6.652
T2	464.54	464.54	464.54	464.54	464.54
PWSD	7899.7	7304.4	5717.3	4392.8	3235.8
EPWSD	8992.8	8186.6	6046.4	4454.7	3115.5
FN	604.4	487.8	182.0	34.3	-66.5
SFC	0.3793	0.3789	0.3824	0.3878	0.4015
ESFC	0.3332	0.3381	0.3616	0.3825	0.4170
WF	2996.6	2767.6	2186.3	1703.7	1299.3
W1	35.244	33.308	27.449	24.225	21.197
PR3	108.732	101.774	80.583	68.152	56.962
TB3	1139.27	1117.22	1043.58	987.27	931.60
XNL	9691.1	9691.4	8889.9	7799.5	6844.8
PB	6.289	6.047	5.418	5.120	4.899
T8	1489.59	1467.94	1382.44	1290.21	1205.27

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	270.	271.	272.	273.	274.
ALT	35000.	35000.	35000.	35000.	35000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	3.458	3.458	3.458	3.458	3.458
TAMB	393.85	393.85	393.85	393.85	393.85
DTAMB	0.	0.	0.	0.	0.
P2	4.102	4.102	4.102	4.102	4.102
T2	413.60	413.60	413.60	413.60	413.60
PWSD	5373.3	5395.2	4418.5	3098.8	2202.5
EPWSD	5973.2	6000.5	4825.3	3287.1	2284.7
FN	543.3	547.5	367.9	170.4	74.4
SFC	0.3994	0.3993	0.4068	0.4200	0.4442
ESFC	0.3592	0.3590	0.3725	0.3960	0.4283
WF	2146.1	2154.3	1797.3	1301.6	978.4
W1	25.402	25.478	22.122	17.864	15.279
PB3	75.962	76.218	64.954	50.281	41.085
TB3	1058.97	1060.02	1011.99	935.86	875.02
XNL	9691.3	9691.3	9691.3	8349.5	7101.5
PB	4.637	4.644	4.326	3.984	3.815
T8	1412.14	1412.75	1386.34	1308.09	1228.57

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	275.	276.	277.	278.	279.
ALT	35000.	35000.	35000.	35000.	35000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
RAMB	3.458	3.458	3.458	3.458	3.458
TAMB	393.85	393.85	393.85	393.85	393.85
DTAMB	0.	0.	0.	0.	0.
P2	4.411	4.411	4.411	4.411	4.411
T2	422.29	422.29	422.29	422.29	422.29
PWSD	5639.6	5657.3	4505.0	3303.4	2373.9
EPWSD	6312.1	6336.7	4912.3	3483.9	2430.0
FN	506.9	512.0	307.0	136.1	42.3
SFC	0.3926	0.3925	0.4007	0.4079	0.4291
ESFC	0.3507	0.3504	0.3675	0.3868	0.4192
WF	2213.9	2220.5	1805.3	1347.5	1018.6
W1	26.120	26.208	22.248	18.608	16.037
PB3	78.332	78.633	65.323	52.371	43.119
TB3	1066.31	1067.51	1013.77	944.94	885.83
XNL	9691.3	9691.3	9691.4	8241.7	7078.3
P8	4.711	4.721	4.335	4.024	3.848
T8	1416.01	1416.87	1385.11	1297.67	1217.22

** F404/TJ STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	280.	281.	282.	283.	284.
ALT	35000.	35000.	35000.	35000.	35000.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	3.458	3.458	3.458	3.458	3.458
TAMB	393.85	393.85	393.85	393.85	393.85
DTAMB	0.	0.	0.	0.	0.
P2	4.796	4.796	4.796	4.796	4.796
T2	432.56	432.56	432.56	432.56	432.56
PWSD	5979.7	5981.5	4699.2	3542.0	2578.0
EPWSD	6745.0	6747.5	5099.5	3700.7	2591.2
FN	494.4	494.9	258.6	102.6	8.5
SFC	0.3852	0.3852	0.3918	0.3959	0.4129
ESFC	0.3415	0.3414	0.3610	0.3789	0.4108
WF	2303.2	2303.8	1841.0	1402.3	1064.4
W1	27.300	27.306	22.762	19.507	16.911
PB3	82.303	82.332	66.832	54.895	45.466
TB3	1079.73	1079.85	1019.00	955.67	897.69
XNL	9691.3	9691.4	9588.3	8124.6	7032.1
P8	4.841	4.842	4.374	4.076	3.888
T8	1424.58	1424.88	1379.49	1287.23	1204.86

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	285.	286.	287.	288.	289.
ALT	35000.	35000.	35000.	35000.	35000.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	3.458	3.458	3.458	3.458	3.458
TAMB	393.85	393.85	393.85	393.85	393.85
DTAMB	0.	0.	0.	0.	0.
P2	5.022	5.022	5.022	5.022	5.022
T2	438.29	438.29	438.29	438.29	438.29
PWSD	6183.1	6174.0	4857.2	3674.5	2692.0
EPWSD	7009.7	6995.6	5255.9	3817.0	2677.0
FN	498.4	495.4	240.4	86.0	-9.0
SFC	0.3817	0.3817	0.3859	0.3901	0.4048
ESFC	0.3367	0.3369	0.3566	0.3755	0.4071
WF	2360.2	2356.6	1874.4	1433.2	1089.7
W1	28.065	28.017	23.239	20.020	17.399
PB3	84.935	84.763	68.228	56.340	46.776
TB3	1088.83	1088.18	1023.49	961.71	904.10
XNL	9691.4	9691.4	9458.1	8064.9	7003.2
PB	4.932	4.926	4.409	4.107	3.911
T8	1432.10	1431.44	1374.14	1282.12	1198.59

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	290.	291.	292.	293.	294.
ALT	35000.	35000.	35000.	35000.	35000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	3.458	3.458	3.458	3.458	3.458
TAMB	393.85	393.85	393.85	393.85	393.85
DTAMB	0.	0.	0.	0.	0.
P2	5.271	5.271	5.271	5.271	5.271
T2	444.41	444.41	444.41	444.41	444.41
PWSD	6433.7	6427.7	5016.8	3821.6	2815.6
EPWSD	7349.1	7339.2	5407.8	3944.9	2767.8
FN	517.5	515.3	221.0	69.7	-27.0
SFC	0.3785	0.3785	0.3801	0.3840	0.3967
ESFC	0.3313	0.3315	0.3526	0.3720	0.4035
WF	2434.9	2432.7	1907.0	1467.5	1116.8
W1	29.086	29.055	23.708	20.592	17.926
PB3	88.476	88.351	69.610	57.949	48.194
TB3	1100.97	1100.51	1027.91	968.25	910.93
XNL	9691.4	9691.4	9312.0	8010.7	6972.8
P8	5.060	5.056	4.445	4.142	3.937
T8	1442.73	1442.06	1369.10	1276.69	1192.16

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	295.	296.	297.	298.	299.
ALT	40000.	40000.	40000.	40000.	40000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3D	0.	0.	0.	0.	0.
PAMB	2.720	2.720	2.720	2.720	2.720
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	3.226	3.226	3.226	3.226	3.226
T2	409.52	409.52	409.52	409.52	409.52
PWSD	4342.0	4354.6	3131.9	2353.3	1645.3
EPWSD	4843.7	4860.5	3390.6	2490.8	1702.1
FN	456.1	459.8	235.2	125.0	51.6
SFC	0.4007	0.4006	0.4164	0.4270	0.4560
ESFC	0.3592	0.3589	0.3846	0.4034	0.4408
WF	1739.7	1744.4	1304.1	1004.9	750.2
W1	20.414	20.476	16.066	13.657	11.589
PB3	61.298	61.508	47.017	38.532	31.244
TB3	1057.09	1058.15	981.78	921.29	860.63
XNL	9691.3	9691.4	9543.1	8011.4	6783.2
P8	3.696	3.702	3.302	3.113	2.984
T8	1419.64	1420.32	1391.73	1317.84	1240.38

MOORE ENGINEERING INC. 100 EAST 17TH ST. NEW YORK, N.Y. 10011

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	300.	301.	302.	303.	304.
ALT	40000.	40000.	40000.	40000.	40000.
XM	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	2.720	2.720	2.720	2.720	2.720
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	3.469	3.469	3.469	3.469	3.469
T2	418.12	418.12	418.12	418.12	418.12
PWSD	4636.8	4641.0	3443.6	2525.8	1791.9
EPWSD	5242.1	5248.2	3744.2	2659.5	1829.9
FN	458.5	460.0	227.7	101.3	28.8
SFC	0.3933	0.3932	0.4054	0.4144	0.4390
ESFC	0.3479	0.3477	0.3729	0.3935	0.4299
WF	1823.5	1825.0	1396.0	1046.6	786.6
W1	21.524	21.546	17.047	14.326	12.262
PB3	64.970	65.050	50.144	40.402	33.051
TB3	1072.87	1073.30	998.66	931.75	872.67
XNL	9691.3	9691.4	9613.7	7972.8	6815.9
P8	3.815	3.818	3.379	3.150	3.012
T8	1426.82	1427.27	1393.87	1306.35	1227.26

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	305.	306.	307.	308.	309.
ALT	40000.	40000.	40000.	40000.	40000.
XM	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	2.720	2.720	2.720	2.720	2.720
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	3.773	3.773	3.773	3.773	3.773
T2	428.29	428.29	428.29	428.29	428.29
PWSD	5003.1	5002.6	3675.0	2732.0	1961.6
EPWSD	5747.6	5747.5	3985.5	2852.6	1968.2
FN	483.4	483.7	201.6	78.3	4.3
SFC	0.3863	0.3864	0.3939	0.4015	0.4216
ESFC	0.3363	0.3363	0.3632	0.3845	0.4201
WF	1932.9	1932.9	1447.7	1096.8	826.9
W1	23.001	23.001	17.776	15.138	13.015
PB3	69.984	69.982	52.279	42.683	35.068
TB3	1093.89	1093.87	1007.85	944.21	885.37
XL	9691.4	9691.4	9415.7	7930.5	6817.8
P8	3.994	3.994	3.432	3.196	3.046
T8	1441.59	1441.66	1383.04	1294.36	1213.91

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	310.	311.	312.	313.	314.
ALT	40000.	40000.	40000.	40000.	40000.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	2.720	2.720	2.720	2.720	2.720
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	3.950	3.950	3.950	3.950	3.950
T2	433.96	433.96	433.96	433.96	433.96
PWSD	5184.5	5183.9	3805.4	2841.9	2059.7
ERWSD	6004.3	6004.1	4117.1	2951.3	2045.8
FN	496.8	497.1	188.9	66.3	-8.4
SFC	0.3833	0.3833	0.3880	0.3952	0.4125
ESEC	0.3309	0.3310	0.3586	0.3805	0.4153
WF	1987.1	1987.1	1476.5	1123.0	849.7
W1	23.751	23.751	18.186	15.566	13.444
PB3	72.561	72.559	53.479	43.887	36.222
TB3	1104.66	1104.64	1012.85	950.44	892.41
XNL	9691.4	9691.4	9312.6	7889.9	6818.7
P8	4.092	4.093	3.462	3.221	3.066
T8	1450.23	1450.25	1377.41	1288.68	1206.70

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	315.	316.	317.	318.	319.
ALT	40000.	40000.	40000.	40000.	40000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
RAMB	2.720	2.720	2.720	2.720	2.720
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
R2	4.146	4.146	4.146	4.146	4.146
T2	440.03	440.03	440.03	440.03	440.03
PWSD	5413.7	5283.8	3941.6	2966.6	2162.1
EPWSD	6315.4	6124.9	4251.9	3062.9	2123.9
FN	509.4	477.9	176.3	54.7	-21.7
SFC	0.3803	0.3799	0.3823	0.3886	0.4037
ESFC	0.3263	0.3277	0.3544	0.3764	0.4110
WF	2060.8	2007.1	1506.8	1152.7	872.9
W1	24.503	24.020	18.620	16.055	13.888
RB3	75.154	73.455	54.752	45.262	37.411
TB3	1115.13	1107.66	1018.21	957.42	899.53
XNL	9691.4	9691.2	9203.1	7860.7	6807.1
RB	4.194	4.127	3.496	3.251	3.088
T8	1458.65	1451.96	1371.97	1282.49	1199.65

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	320.	321.	322.	323.	324.
ALT	45000.	45000.	45000.	45000.	45000.
XM	0.5000	0.5000	0.5000	0.5000	0.5000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	2.139	2.139	2.139	2.139	2.139
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	2.537	2.537	2.537	2.537	2.537
T2	409.52	409.52	409.52	409.52	409.52
PNSD	2351.3	2351.3	2351.3	1649.6	1142.1
EPNSD	2530.1	2530.1	2530.1	1732.9	1171.9
FN	162.5	162.5	162.5	75.7	27.2
SFC	0.4209	0.4209	0.4209	0.4445	0.4792
ESFC	0.3911	0.3911	0.3911	0.4231	0.4670
WF	989.6	989.6	989.6	733.2	547.3
W1	11.951	11.951	11.951	9.851	8.353
PB3	35.217	35.217	35.217	27.889	22.605
TB3	971.37	971.37	971.37	903.78	844.36
XNL	9008.3	9008.3	9008.3	7370.0	6288.8
PB	2.554	2.554	2.554	2.403	2.316
TB	1412.21	1412.21	1412.21	1341.64	1263.78

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** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	325.	326.	327.	328.	329.
ALT	45000.	45000.	45000.	45000.	45000.
XN	0.6000	0.6000	0.6000	0.6000	0.6000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.
PAMB	2.139	2.139	2.139	2.139	2.139
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	2.728	2.728	2.728	2.728	2.728
T2	418.12	418.12	418.12	418.12	418.12
PWSD	2640.9	2640.9	2527.4	1790.9	1261.9
EPWSD	2858.2	2858.2	2722.9	1869.5	1276.2
FN	164.6	164.6	148.0	59.5	10.9
SFC	0.4094	0.4094	0.4103	0.4296	0.4581
ESFC	0.3782	0.3782	0.3809	0.4115	0.4530
WF	1081.1	1081.1	1037.1	769.3	578.1
W1	12.873	12.873	12.545	10.416	8.912
PB3	38.200	38.200	37.010	29.481	24.106
TB3	992.78	992.78	983.08	915.58	857.81
XNL	9213.0	9213.0	8970.4	7392.1	6361.6
P8	2.625	2.625	2.595	2.432	2.339
T8	1418.96	1418.96	1405.88	1328.22	1248.00

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** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	330.	331.	332.	333.	334.
ALT	45000.	45000.	45000.	45000.	45000.
XH	0.7000	0.7000	0.7000	0.7000	0.7000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB30	0.	0.	0.	0.	0.
PAMB	2.139	2.139	2.139	2.139	2.139
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	2.967	2.967	2.967	2.967	2.967
T2	428.29	428.29	428.29	428.29	428.29
PWSD	3029.3	3029.3	2703.3	1963.2	1405.4
EPWSD	3303.6	3303.6	2903.4	2030.3	1395.6
FN	178.1	178.1	130.0	43.6	-6.4
SFC	0.3979	0.3979	0.3994	0.4139	0.4370
ESFC	0.3649	0.3649	0.3719	0.4002	0.4401
WF	1205.4	1205.4	1079.8	812.6	614.2
W1	14.064	14.064	13.143	11.104	9.576
PB3	42.130	42.130	38.762	31.413	25.891
TB3	1019.32	1019.32	993.27	929.33	873.00
XNL	9485.8	9485.8	8839.2	7412.9	6429.6
P8	2.728	2.728	2.637	2.469	2.367
T8	1431.76	1431.76	1395.59	1313.50	1231.40

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	335.	336.	337.	338.	339.
ALT	45000.	45000.	45000.	45000.	45000.
XM	0.7500	0.7500	0.7500	0.7500	0.7500
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	2.139	2.139	2.139	2.139	2.139
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	3.106	3.106	3.106	3.106	3.106
T2	433.96	433.96	433.96	433.96	433.96
PWSD	3537.0	3547.0	2805.2	2060.9	1483.5
EPWSD	3951.5	3965.6	3006.5	2120.2	1457.8
FN	251.2	253.7	122.0	35.9	-15.6
SFC	0.3884	0.3883	0.3939	0.4063	0.4269
ESFC	0.3476	0.3473	0.3675	0.3949	0.4344
WF	1373.6	1377.1	1104.9	837.3	633.3
W1	16.048	16.095	13.497	11.501	9.932
PB3	48.640	48.802	39.805	32.529	26.850
TB3	1056.94	1057.94	999.36	937.04	880.77
XNL	9691.3	9691.3	8779.0	7425.9	6450.7
P8	2.922	2.927	2.663	2.491	2.382
T8	1446.15	1446.65	1390.14	1306.07	1223.45

** F404/T1 STUDY A1 **
 ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	340.	341.	342.	343.	344.
ALT	45000.	45000.	45000.	45000.	45000.
XM	0.8000	0.8000	0.8000	0.8000	0.8000
ERAM1	1.0000	1.0000	1.0000	1.0000	1.0000
WB3Q	0.	0.	0.	0.	0.
PAMB	2.139	2.139	2.139	2.139	2.139
TAMB	389.97	389.97	389.97	389.97	389.97
DTAMB	0.	0.	0.	0.	0.
P2	3.260	3.260	3.260	3.260	3.260
T2	440.03	440.03	440.03	440.03	440.03
PWSD	3731.4	3734.3	2917.0	2166.5	1566.4
EPWSD	4201.0	4205.3	3118.0	2216.1	1522.0
FN	266.8	267.6	114.2	28.2	-25.3
SFC	0.3834	0.3833	0.3880	0.3987	0.4170
ESFC	0.3405	0.3404	0.3630	0.3898	0.4292
WF	1430.5	1431.5	1131.8	863.8	653.3
W1	16.815	16.828	13.880	11.930	10.308
PB3	51.193	51.239	40.930	33.733	27.858
TB3	1071.36	1071.66	1005.76	945.14	888.68
XNL	9691.4	9691.5	8702.8	7435.6	6464.5
P8	3.005	3.007	2.691	2.516	2.400
T8	1451.81	1452.35	1384.21	1298.59	1215.62

** F404/T1 STUDY A1 **
ESTIMATED PERFORMANCE LYNN MASS. APRIL 30, 1979

CASE	345.
ALT	0.
XM	0.
ERAM1	1.0000
WB3Q	0.
PAMB	14.696
TAMB	549.47
DTAMB	30.80
P2	14.696
T2	549.47
PWSD	10053.1
EPWSD	10562.3
FN	1272.9
SFC	0.4815
ESFC	0.4583
WF	4840.9
W1	53.850
PB3	170.451
TB3	1206.53
XNL	9307.1
P8	16.210
T8	1745.94

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