

3.1.4 Unit Inertia Loads - Equalities (Cont'd)

b. Unit Inertia Loads - Fuselage and Vertical Tail (Cont'd)

SWEPT AXIS (VERTICAL TAIL)

LOAD xx	S _x	S _y	S _z	M _x	M _y	M _z
n_x	X	0	X	0	X	0
n_y	0	X	0	X	0	X
n_z	$-S_z/n_x$	0	S_x/n_x	0	X	0
$\ddot{\theta}$	X	0	X	0	X	0
$\ddot{\theta}^2$	$S_z/\ddot{\theta}$	0	$-S_x/\ddot{\theta}$	0	X	0
$\dot{p}$	0	X	0	X	0	X
p^2	X	0	X	0	X	0
$\ddot{\psi}$	0	X	0	X	0	X
$\dot{\psi}^2$	X	0	X	0	X	0
qr	0	X	0	X	0	X
pr	X	0	X	X	X	X
pq	0	X	0	X	0	X

3.1.4 Unit Inertia Loads - Equalities (Cont'd)

c. Unit Inertia Loads - Aft Fuselage and Vertical Tail
(When shown combined)

LOAD XX	SX	SY	SZ	MX	MY	MZ
n_x	S_z/n_z	0	0	0	X	0
n_y	0	S_z/n_z	0	$-M_y/n_x$	0	$-M_y/n_z$
n_z	0	0	X	0	X	0
$\dot{\theta}$	X	0	X	0	X	0
$\dot{\theta}^2$	$S_z/\dot{\theta}$	0	$-S_x/\dot{\theta}$	0	X	0
$\dot{p}$	0	$-S_x/\dot{\theta}$	0	X	0	X
p^2	0	0	$-S_x/\dot{\theta}$	0	$-M_z/\dot{p}$	0
$\dot{\psi}$	0	$-S_z/\dot{\theta}$	0	X	0	X
ψ^2	$S_z/\dot{\theta}$	0	0	0	$M_x/\dot{\psi}$	0
q_r	0	X	0	X	0	X
p_r	S_y/p_r	0	X	X	X	X
p_q	0	S_z/p_r	0	X	0	X

3.2 UNIT INERTIA TABULATIONS

3.2.1 Symbols

In these tabulations the following special symbols are used:

TDD	= $\ddot{\theta}$	= unit pitch acceleration.
TDS	= $\dot{\theta}^2$	= unit pitch velocity squared.
PD	= $\ddot{p}$	= unit roll acceleration.
PSIDD	= $\ddot{\psi}$	= unit yaw acceleration.
QR	= $q\dot{r}$	= unit product of pitch and yaw velocity.
PR	= $p\dot{r}$	= unit product of roll and yaw velocity.
PQ	= $p\dot{q}$	= unit product of roll and pitch velocity.
PS	= $\dot{p}^2$	= unit roll velocity squared.
PSIDS	= $\dot{\psi}^2$	= unit yaw velocity squared.

3.2.2 Units

a. Shear

1. Due to translational accelerations ($\ddot{\eta}_x$, $\ddot{\eta}_y$, and $\ddot{\eta}_z$);
units = lb.
2. Due to rotational accelerations ($\ddot{p}$, $\ddot{\theta}$, and $\ddot{\psi}$);
units = lb-sec.².

b. Moment

1. Due to translational accelerations;
units = in-lb x 10⁻⁶.
2. Due to rotational accelerations;
units = in-lb-sec² x 10⁻⁶.

3.2.3 Axes Definitions

On each tabulation the component's load axis is identified and the airplane rotational axis is also identified. Stations of distribution for each component are shown. These stations are along the long axis on each component or more exactly as follows:

<u>Component</u>	<u>Station</u>
Fuselage	F.S.
Horizontal Tail	B.L.
Vertical Tail	W.L.
Wing	B.L.

3.2.3 (Continued)

Two axis systems are used in the tabulation of the wing loads. The loads on the wing are computed in the stream axis system for which the wing reference axis is defined by F.S. 1106.583 and W.L. 225.0 as shown by Figure 2.2-I. The elastic axis shown in Figure 3.1-I is utilized as the swept load axis. The equations shown by Figure 3.1-I are used to convert from loads in the stream system to loads in the swept system.

3.2.4 Fuel Unit Inertia Tabulations

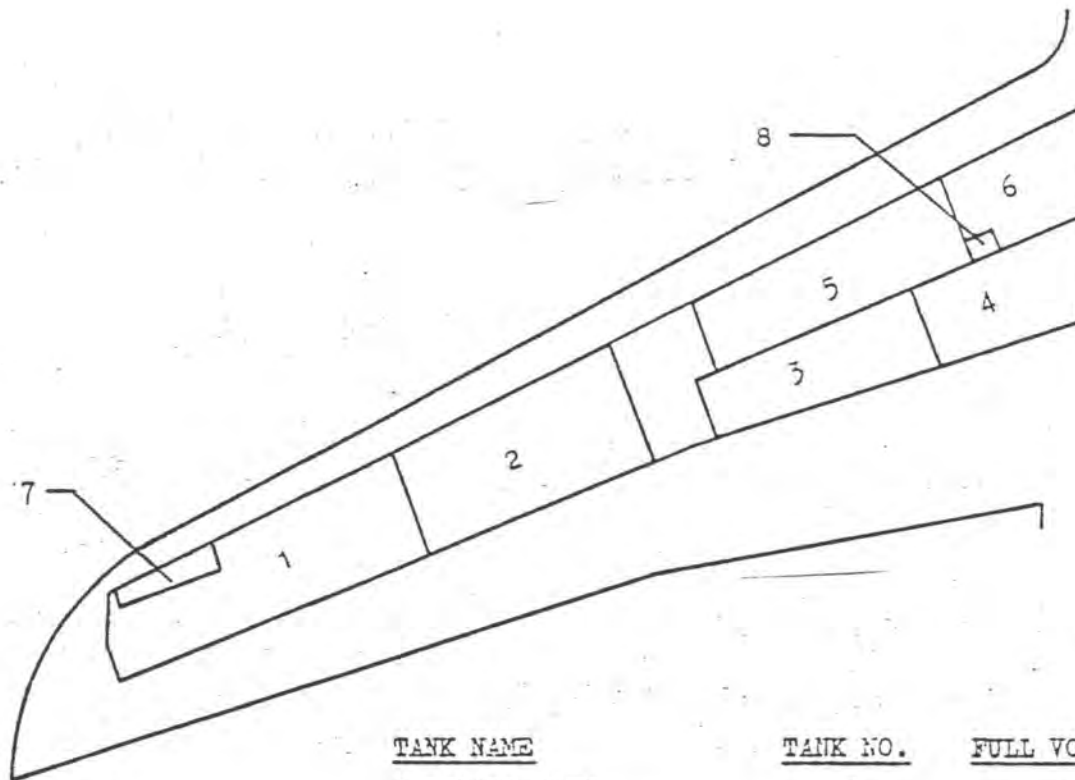
On each of the fuel unit inertia tabulation sheets, the fuel weight per side, fuel density, and airplane pitch attitude are given to identify the fuel conditions. Also, the fuel weight in each tank is tabulated at the start of each tabulation page. The tank identification numbers are reflected by Figure 3.2-1 and the fuel sequence is as shown in Sub-Section 2.8. The fuel unit inertia data are arranged showing five air vehicle pitch attitudes (-29° , -12° , 0° , 8° , and 25°) for a constant fuel weight. Then the order is repeated for increasing fuel weights. For each fuel weight and attitude, data are tabulated showing fuel in the stream axis system, fuel combined with the wing in the stream axis system, and fuel combined with the wing in the swept axis system.

3.2.5 Cargo Unit Inertia Tabulations

Unit inertia tabulations are presented showing cargo and cargo combined with the fuselage forebody and aftbody. The cargo distribution shown locates the cargo in the extremes of the cargo compartment, yielding the maximum unit inertia values.

3.2.6 Unit Inertia Tabulation Index

<u>COMPONENT</u>	<u>CASE I.D.</u>	<u>IDENTIFICATION</u>	<u>PAGE NO.</u>
Wing			3.2-6
Horizontal Tail			3.2-18
Vertical Tail			3.2-30
Vertical and Horizontal Tail Combined			3.2-40
Forebody		Landing Gear Up	3.2-50
Forebody		Landing Gear Down	3.2-53
Aftbody		Landing Gear Up	3.2-56
Aftbody		Landing Gear Down	3.2-60
Aftbody Including Empennage		Landing Gear Up	3.2-64
Aftbody Including Empennage		Landing Gear Down	3.2-68
Wing Stub		Fuselage Distribution	3.2-72



<u>TANK NAME</u>	<u>TANK NO.</u>	<u>FULL VOLUME (GAL)</u>
OUTBOARD MAIN	1	3,352
OUTBOARD AUXILIARY	2	4,625
OUTBOARD EXTENDED RANGE	3	4,000
INBOARD EXTENDED RANGE	4	4,000
INBOARD AUXILIARY	5	4,625
INBOARD MAIN	6	3,423
OUTBOARD MAIN SUMP	7	273
INBOARD MAIN SUMP	8	202
TOTAL PER SIDE		24,500
TOTAL PER AIR VEHICLE		49,000

FIGURE 3.2-1

TANK NOMENCLATURE - COMPUTER TAB RUNS

3.2.6 (Continued)

<u>COMPONENT</u>	<u>CASE I.D.</u>	<u>IDENTIFICATION</u>	<u>PAGE NO.</u>
Fuel	FI0101	4,650 lb/side @ -29°	3.2-73
	FI0102	@ -12°	3.2-89
	FI0103	@ 0°	3.2-105
	FI0104	@ +8°	3.2-121
	FI0105	@ +25°	3.2-137
Fuel	FI0201	23,563 lb/side @ -29°	3.2-153
	FI0202	@ -12°	3.2-169
	FI0203	@ 0°	3.2-185
	FI0204	@ +8°	3.2-201
	FI0205	@ +25°	3.2-217
Fuel	FI0301	47,125 lb/side @ -29°	3.2-233
	FI0302	@ -12°	3.2-249
	FI0303	@ 0°	3.2-265
	FI0304	@ +8°	3.2-281
	FI0305	@ +25°	3.2-297
Fuel	FI0401	77,188 lb/side @ -29°	3.2-313
	FI0402	@ -12°	3.2-329
	FI0403	@ 0°	3.2-345
	FI0404	@ +8°	3.2-361
	FI0405	@ +25°	3.2-377
Fuel	FI0501	89,378 lb/side @ -29°	3.2-393
	FI0502	@ -12°	3.2-409
	FI0503	@ 0°	3.2-425
	FI0504	@ +8°	3.2-441
	FI0505	@ +25°	3.2-457
Fuel	FI0601	107,250 lb/side @ -29°	3.2-473
	FI0602	@ -12°	3.2-489
	FI0603	@ 0°	3.2-505
	FI0604	@ +8°	3.2-521
	FI0605	@ +25°	3.2-537
Fuel	FI0701	133,250 lb/side @ -29°	3.2-553
	FI0702	@ -12°	3.2-569
	FI0703	@ 0°	3.2-585
	FI0704	@ +8°	3.2-601
	FI0705	@ +25°	3.2-617

3.2.6 (Continued)

<u>COMPONENT</u>	<u>CASE I.D.</u>	<u>IDENTIFICATION</u>	<u>PAGE NO.</u>
Fuel	FI0801	143,378 lb/side @ -29°	3.2-633
	FI0802	@ -12°	3.2-649
	FI0803	@ 0°	3.2-665
	FI0804	@ +8°	3.2-681
	FI0805	@ +25°	3.2-697
Fuel	FI0901	147,328 lb/side @ -29°	3.2-713
	FI0902	@ -12°	3.2-729
	FI0903	@ 0°	3.2-745
	FI0904	@ +8°	3.2-761
	FI0905	@ +25°	3.2-777
Fuel	FI1001	159,250 lb/side @ -29°	3.2-793
	FI1002	@ -12°	3.2-809
	FI1003	@ 0°	3.2-825
	FI1004	@ +8°	3.2-841
	FI1005	@ +25°	3.2-857
Cargo	MID128	212,145 lb	3.2-873

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
WING

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-6

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	SZNZ	MXNZ	MYNZ	MYNX	SZTDD	SXTDD
.000	-67.475	-36.156	17.052	4.481	44.166	-3.293
120.361	-61.091	-28.340	16.223	3.926	42.020	-1.843
120.362	-61.091	-28.339	16.223	3.926	42.020	-1.843
197.900	-57.141	-23.759	15.566	3.607	40.318	-1.001
263.800	-54.109	-20.095	15.029	3.354	38.927	-.392
329.800	-50.039	-16.636	14.008	3.109	36.283	.320
395.752	-47.024	-13.452	13.291	2.889	34.425	.840
469.886	-43.875	-10.089	12.479	2.655	32.321	1.326
469.887	-43.875	-10.089	12.479	2.655	32.321	1.326
481.259	-43.392	-9.573	12.354	2.619	31.998	1.401
481.260	-32.480	-9.606	11.407	1.645	29.545	.231
492.632	-31.880	-9.254	11.219	1.621	29.059	.311
492.633	-31.880	-9.254	11.219	1.621	29.059	.311
527.700	-30.030	-8.170	10.641	1.547	27.560	.561
577.275	-27.979	-6.730	10.028	1.454	25.973	.834
577.276	-27.979	-6.730	10.028	1.454	25.973	.834
659.600	-24.810	-4.563	8.915	1.307	23.090	1.197
738.919	-22.283	-2.698	7.998	1.182	20.716	1.445
738.920	-22.283	-2.698	7.998	1.182	20.716	1.445
748.918	-21.965	-2.462	7.883	1.166	20.417	1.476
748.919	-11.017	-2.501	5.416	.159	14.028	-.362
758.917	-10.640	-2.401	5.261	.153	13.626	-.331
758.918	-10.640	-2.401	5.261	.153	13.626	-.331
791.504	-9.411	-2.077	4.755	.134	12.316	-.233
857.500	-7.858	-1.506	4.097	.100	10.612	-.123
923.400	-6.198	-1.058	3.324	.071	8.611	-.035
989.400	-4.716	-.700	2.598	.047	6.728	.018
1055.300	-3.710	-.426	2.106	.029	5.456	.043
1121.300	-2.604	-.217	1.522	.016	3.941	.053
1154.300	-2.090	-.141	1.237	.011	3.204	.051
1187.256	-1.674	-.080	1.007	.006	2.607	.046
1220.200	-1.206	-.035	.744	.003	1.928	.037
1253.200	-.332	-.010	.212	.001	.550	.012
1286.200	-.162	-.003	.107	.000	.278	.007
1319.173	-.000	-.000	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
WING

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-7

LOAD AXIS ORIGIN F.S. 110c.583 B.L. 0. W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 110c.583 B.L. 0. W.L. 265.000

STA.	MXTC	MYTC	MZTC	MYTS	SZPD	MXPD
.000	28.710	-15.914	.129	-3.765	-93.647	-65.129
120.361	23.501	-15.539	-.200	-3.190	-92.447	-53.953
120.362	23.501	-15.539	-.200	-3.190	-92.447	-53.953
197.900	20.307	-15.127	-.309	-2.818	-90.826	-46.839
263.800	17.698	-14.793	-.355	-2.522	-89.018	-40.905
329.800	15.215	-13.953	-.362	-2.165	-85.833	-35.106
395.752	12.893	-13.414	-.321	-1.878	-83.044	-29.540
469.886	10.426	-12.781	-.241	-1.579	-79.437	-23.506
469.887	10.426	-12.781	-.241	-1.579	-79.437	-23.506
481.259	10.048	-12.683	-.228	-1.533	-78.884	-22.581
481.260	10.055	-12.229	-.232	-1.415	-65.366	-22.488
492.632	9.733	-12.059	-.227	-1.368	-64.592	-21.767
492.633	9.733	-12.059	-.227	-1.368	-64.592	-21.767
527.700	8.739	-11.533	-.211	-1.221	-62.206	-19.541
577.275	7.410	-11.020	-.177	-1.051	-59.264	-16.519
577.276	7.410	-11.020	-.177	-1.051	-59.264	-16.519
659.600	5.399	-9.929	-.093	-.787	-54.205	-11.845
738.919	3.666	-9.015	.011	-.580	-49.569	-7.717
738.920	3.666	-9.015	.011	-.580	-49.569	-7.716
748.918	3.447	-8.900	.024	-.554	-48.985	-7.196
748.919	3.470	-7.151	.018	-.381	-27.849	-7.072
758.917	3.341	-6.979	.015	-.360	-27.103	-6.814
758.918	3.341	-6.979	.015	-.360	-27.103	-6.814
791.504	2.919	-6.418	.006	-.293	-24.672	-5.974
857.500	2.162	-5.671	-.006	-.199	-21.353	-4.450
923.400	1.545	-4.716	-.010	-.117	-17.562	-3.201
989.400	1.044	-3.769	-.011	-.057	-13.897	-2.166
1055.300	.648	-3.138	-.009	-.018	-11.244	-1.336
1121.300	.338	-2.326	-.006	.007	-8.126	-.695
1154.300	.222	-1.914	-.004	.014	-6.614	-.458
1187.256	.129	-1.581	-.003	.018	-5.357	-.262
1220.200	.057	-1.196	-.001	.018	-3.904	-.115
1253.200	.017	-.354	-.000	.007	-1.104	-.035
1286.200	.005	-.185	-.000	.004	-.547	-.011
1319.173	-.000	-.000	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
WING

REPORT LG1054-12-1
MODEL C-5A
PAGE 3.2-8

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MYPD	MZPD	MXPS	MXPSID	MYP SID	MZPSID
.000	28.710	.954	7.983	-2.811	-7.855	-80.309
120.361	28.558	.763	6.796	-2.426	-6.995	-68.695
120.362	28.558	.763	6.796	-2.426	-6.995	-68.695
197.900	28.286	.617	6.150	-2.201	-6.459	-61.178
263.800	27.967	.505	5.663	-2.016	-6.018	-54.923
329.800	27.181	.316	5.226	-1.849	-5.588	-48.298
395.752	26.517	.189	4.862	-1.689	-5.183	-42.213
469.886	25.590	.061	4.507	-1.518	-4.748	-35.572
469.887	25.590	.061	4.507	-1.518	-4.748	-35.572
481.259	25.447	.041	4.453	-1.491	-4.681	-34.553
481.260	24.274	.153	3.242	-1.262	-3.474	-34.253
492.632	24.031	.127	3.196	-1.241	-3.422	-33.363
492.633	24.031	.127	3.196	-1.241	-3.422	-33.363
527.700	23.283	.046	3.052	-1.175	-3.263	-30.619
577.275	22.404	-.036	2.879	-1.087	-3.056	-27.097
577.276	22.404	-.036	2.879	-1.087	-3.056	-27.097
659.600	20.629	-.167	2.636	-.953	-2.729	-21.352
738.919	18.950	-.257	2.457	-.837	-2.446	-16.333
738.920	18.950	-.257	2.457	-.837	-2.446	-16.333
748.918	18.738	-.269	2.434	-.823	-2.410	-15.700
748.919	13.976	.157	.485	-.223	-.467	-14.206
758.917	13.669	.145	.466	-.216	-.450	-13.777
758.918	13.669	.145	.466	-.216	-.450	-13.777
791.504	12.668	.103	.403	-.190	-.397	-12.376
857.500	11.261	.056	.294	-.143	-.300	-10.106
923.400	9.496	.014	.206	-.103	-.216	-7.902
989.400	7.701	-.014	.136	-.071	-.147	-5.921
1055.300	6.405	-.026	.083	-.044	-.092	-4.472
1121.300	4.757	-.031	.045	-.025	-.051	-3.020
1154.300	3.920	-.030	.030	-.016	-.034	-2.369
1187.256	3.224	-.028	.018	-.010	-.020	-1.842
1220.200	2.409	-.023	.008	-.004	-.009	-1.311
1253.200	.706	-.008	.002	-.001	-.003	-.388
1286.200	.362	-.005	.001	-.001	-.001	-.195
1319.173	-.000	-.000	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
WING

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-9

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MZPSIDS	MXQR	MYPR	MZPg
.000	-.000	-64.395	15.120	49.275
120.361	5.058	-53.156	14.742	38.413
120.362	5.058	-53.156	14.742	38.413
197.900	7.979	-46.051	14.339	31.712
263.800	10.269	-40.130	14.018	26.112
329.800	11.966	-34.346	13.192	21.153
395.752	13.624	-28.800	12.673	16.126
469.886	15.163	-22.791	12.065	10.726
469.887	15.163	-22.791	12.065	10.726
481.259	15.399	-21.869	11.972	9.897
481.260	14.219	-22.024	11.765	10.259
492.632	14.298	-21.305	11.597	9.708
492.633	14.298	-21.305	11.597	9.708
527.700	14.543	-19.086	11.078	8.008
577.275	14.994	-16.076	10.578	5.498
577.276	14.994	-16.076	10.578	5.498
659.600	15.230	-11.423	9.508	1.916
738.919	15.284	-7.317	8.616	-1.299
738.920	15.284	-7.317	8.616	-1.299
748.918	15.291	-6.800	8.504	-1.704
748.919	10.506	-7.056	7.134	-.079
758.917	10.328	-6.798	6.962	-.164
758.918	10.328	-6.798	6.962	-.164
791.504	9.749	-5.958	6.402	-.443
857.500	9.099	-4.435	5.655	-1.220
923.400	7.951	-3.186	4.702	-1.515
989.400	6.656	-2.152	3.756	-1.603
1055.300	5.758	-1.334	3.136	-1.802
1121.300	4.419	-.693	2.325	-1.631
1154.300	3.698	-.454	1.913	-1.459
1187.256	3.096	-.261	1.580	-1.318
1220.200	2.352	-.115	1.195	-1.080
1253.200	.689	-.034	.353	-.319
1286.200	.357	-.011	.184	-.174
1319.173	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
WING

REPORT LG10S54-12-1
MODEL C-5A
PAGE 3.2-10

STA.	SXNX	SYNX	XXNX	YYNX	MZNX	MZNY
.000	-64.047	-21.233	-1.410	4.253	36.156	-9.719
120.361	-57.968	-19.224	-1.235	3.726	28.340	-7.147
120.362	-57.988	-19.224	-1.235	3.726	28.339	-7.147
197.900	-54.238	-17.981	-1.135	3.424	23.759	-5.608
263.800	-51.360	-17.027	-1.055	3.184	20.095	-4.417
329.800	-47.497	-15.746	-.978	2.951	16.636	-3.099
395.752	-44.636	-14.798	-.909	2.742	13.452	-2.011
469.886	-41.646	-13.807	-.836	2.520	10.089	-.876
469.887	-41.646	-13.807	-.836	2.520	10.089	-.876
481.259	-41.188	-13.655	-.824	2.486	9.573	-.716
481.260	-30.830	-10.221	-.518	1.561	9.606	-2.695
492.632	-30.261	-10.032	-.510	1.539	9.254	-2.548
492.633	-30.261	-10.032	-.510	1.539	9.254	-2.548
527.700	-28.504	-9.450	-.487	1.468	8.170	-2.124
577.275	-26.557	-8.804	-.457	1.380	6.730	-1.633
577.276	-25.693	-11.076	-.576	1.335	6.730	-1.631
659.600	-22.783	-9.822	-.518	1.201	4.563	-.588
738.919	-20.463	-8.821	-.468	1.085	2.698	.242
738.920	-20.463	-8.821	-.468	1.085	2.698	.242
748.918	-20.171	-8.695	-.462	1.071	2.462	.335
748.919	-10.117	-4.362	-.063	.146	2.501	-1.294
758.917	-9.771	-4.212	-.061	.141	2.401	-1.235
758.918	-9.771	-4.212	-.061	.141	2.401	-1.234
791.504	-8.642	-3.725	-.053	.123	2.077	-1.062
857.500	-7.216	-3.111	-.039	.091	1.506	-.789
923.400	-5.691	-2.453	-.028	.065	1.058	-.540
989.400	-4.331	-1.867	-.019	.043	.700	-.344
1055.300	-3.407	-1.469	-.012	.027	.426	-.228
1121.300	-2.391	-1.031	-.006	.015	.217	-.129
1154.300	-1.919	-.827	-.004	.010	.141	-.090
1187.256	-1.538	-.663	-.002	.006	.080	-.064
1220.200	-1.108	-.478	-.001	.003	.035	-.048
1253.200	-.305	-.131	-.000	.001	.010	-.016
1286.200	-.149	-.064	-.000	.000	.003	-.009
1319.173	-.000	-.000	.000	-.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS
SWEPT SYSTEM
WING

REPORT LG10S54-12-1
MODEL C-5A
PAGE 3.2-11

STA.	SZNZ	MXNZ	MYNZ	SXTCC	SYTCC	SZTCC
.000	-67.475	-37.378	-2.152	-3.126	-1.036	44.166
120.361	-61.091	-29.149	-2.134	-1.750	-.580	42.020
120.362	-61.091	-29.149	-2.134	-1.750	-.580	42.020
197.900	-57.141	-24.316	-2.153	-.950	-.315	40.318
263.800	-54.109	-20.464	-2.131	-.372	-.123	38.927
329.800	-50.039	-16.766	-2.293	.304	.101	36.283
395.752	-47.024	-13.402	-2.324	.797	.264	34.425
469.886	-43.875	-9.852	-2.343	1.259	.417	32.321
469.887	-43.875	-9.852	-2.343	1.259	.417	32.321
481.259	-43.392	-9.312	-2.333	1.330	.441	31.998
481.260	-32.480	-9.966	-.465	.219	.073	29.545
492.632	-31.880	-9.586	-.494	.296	.098	29.059
492.633	-31.880	-9.586	-.494	.296	.098	29.059
527.700	-30.030	-8.423	-.555	.532	.176	27.560
577.275	-27.979	-6.902	-.568	.791	.262	25.973
577.276	-27.979	-6.825	-1.166	.766	.330	25.973
659.600	-24.810	-4.424	-1.266	1.100	.474	23.090
738.919	-22.283	-2.381	-1.290	1.327	.572	20.716
738.920	-22.283	-2.381	-1.290	1.327	.572	20.716
748.918	-21.965	-2.129	-1.282	1.355	.584	20.417
748.919	-11.017	-2.809	.199	-.332	-.143	14.028
758.917	-10.640	-2.694	.183	-.304	-.131	13.626
758.918	-10.640	-2.694	.183	-.304	-.131	13.626
791.504	-9.411	-2.328	.153	-.214	-.092	12.316
857.500	-7.858	-1.695	.129	-.113	-.049	10.612
923.400	-6.198	-1.185	.077	-.033	-.014	8.611
989.400	-4.718	-.779	.039	.017	.007	6.728
1055.300	-3.710	-.481	.041	.040	.017	5.456
1121.300	-2.604	-.251	.033	.049	.021	3.941
1154.300	-2.090	-.165	.027	.047	.020	3.204
1187.256	-1.674	-.099	.027	.042	.018	2.607
1220.200	-1.206	-.051	.030	.034	.015	1.928
1253.200	-.332	-.016	.010	.011	.005	.550
1286.200	-.162	-.006	.007	.006	.003	.278
1319.175	-.000	.000	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SWAPT SYSTEM
WING

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-12

STA.	MXTC	MYTC	MZTC	SXTCS	SYTCS	SZTCS
.000	30.749	-1.515	.129	41.923	13.898	3.293
120.361	25.232	-1.429	-.200	39.885	13.223	1.843
120.362	25.232	-1.429	-.200	39.885	13.223	1.843
197.900	21.824	-1.299	-.309	38.270	12.687	1.001
263.800	19.051	-1.226	-.355	36.949	12.249	.392
329.800	16.343	-.948	-.362	34.440	11.417	-.320
395.752	13.860	-.837	-.321	32.676	10.833	-.840
469.886	11.229	-.737	-.241	30.679	10.171	-1.326
469.887	11.229	-.737	-.241	30.679	10.171	-1.326
481.259	10.828	-.731	-.228	30.373	10.069	-1.401
481.260	10.899	-.922	-.232	28.044	9.297	-.231
492.632	10.546	-.881	-.227	27.582	9.144	-.311
492.633	10.546	-.881	-.227	27.582	9.144	-.311
527.700	9.465	-.777	-.211	26.160	8.673	-.561
577.275	8.049	-.731	-.177	24.654	8.173	-.834
577.276	8.081	-.028	-.177	23.851	10.282	-.834
659.600	5.821	.136	-.093	21.203	9.141	-1.197
738.919	3.902	.207	.011	19.024	8.201	-1.445
738.920	3.902	.207	.011	19.024	8.201	-1.445
748.918	3.665	.206	.024	18.749	8.083	-1.476
748.919	3.940	-.373	.018	12.882	5.554	.362
758.917	3.789	-.351	.015	12.513	5.394	.331
758.918	3.789	-.351	.015	12.513	5.394	.331
791.504	3.308	-.299	.006	11.310	4.876	.233
857.500	2.462	-.250	-.006	9.745	4.201	.123
923.400	1.754	-.166	-.010	7.907	3.409	.035
929.400	1.178	-.096	-.011	6.178	2.663	-.018
1055.300	.744	-.089	-.009	5.010	2.160	-.043
1121.300	.397	-.067	-.006	3.619	1.560	-.053
1154.300	.266	-.055	-.004	2.942	1.268	-.051
1187.256	.163	-.052	-.003	2.394	1.032	-.046
1220.200	.085	-.054	-.001	1.770	.763	-.037
1253.200	.027	-.019	-.000	.505	.218	-.012
1286.200	.011	-.013	-.000	.255	.110	-.007
1319.173	-.000	-.000	-.000	-.000	-.000	.000

STRUCTURAL UNIT INERTIA LOADS
SWEPT SYSTEM
WING

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-13

STA.	MXIDS	MYIDS	MZIDS	SZFD	MXFD	MYFD
.000	1.195	-3.194	-28.710	-93.647	-67.709	-2.922
120.361	.728	-2.831	-23.501	-92.447	-55.876	-2.908
120.362	.728	-2.831	-23.501	-92.447	-55.876	-2.908
197.900	.538	-2.606	-20.307	-90.826	-48.379	-2.916
263.800	.432	-2.432	-17.698	-89.018	-42.134	-2.898
329.800	.359	-2.235	-15.215	-85.833	-35.988	-3.009
395.752	.349	-2.074	-12.893	-83.044	-30.115	-3.034
469.886	.379	-1.907	-10.426	-79.437	-23.754	-3.047
469.887	.379	-1.907	-10.426	-79.437	-23.754	-3.047
481.259	.384	-1.883	-10.048	-78.884	-22.783	-3.034
481.260	.245	-1.475	-10.055	-65.366	-23.467	-.678
492.632	.242	-1.450	-9.733	-64.592	-22.695	-.715
492.633	.242	-1.450	-9.733	-64.592	-22.694	-.715
527.700	.234	-1.376	-8.739	-62.206	-20.323	-.796
577.275	.241	-1.291	-7.410	-59.264	-17.134	-.811
577.276	.352	-1.265	-7.410	-59.264	-16.997	-2.299
659.600	.385	-1.126	-5.399	-54.205	-11.842	-2.451
738.919	.451	-1.019	-3.666	-49.569	-7.331	-2.486
738.920	.451	-1.019	-3.666	-49.569	-7.331	-2.486
748.918	.460	-1.006	-3.447	-48.985	-6.771	-2.470
748.919	.114	-.218	-3.470	-27.849	-7.903	.467
758.917	.107	-.210	-3.341	-27.103	-7.609	.436
758.918	.107	-.210	-3.341	-27.103	-7.609	.436
791.504	.086	-.183	-2.919	-24.672	-6.668	.376
857.500	.053	-.137	-2.162	-21.353	-4.987	.326
923.400	.031	-.097	-1.545	-17.562	-3.575	.207
989.400	.016	-.065	-1.044	-13.897	-2.409	.117
1055.300	.008	-.040	-.648	-11.244	-1.510	.127
1121.300	.003	-.022	-.338	-8.126	-.802	.104
1154.300	.002	-.014	-.222	-6.614	-.533	.086
1187.256	.001	-.008	-.129	-5.357	-.323	.067
1220.200	.000	-.003	-.057	-3.904	-.168	.097
1253.200	-.000	-.001	-.017	-1.104	-.053	.035
1286.200	-.000	-.000	-.005	-.547	-.022	.024
1319.173	.000	-.000	.000	-.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
WING

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-14

STA.	MZPC	SXPS	SYPS	MXPS	MYPS	MZPS
.000	.596	-29.469	88.890	7.765	1.946	12.533
120.361	.489	-29.091	87.750	6.605	1.674	14.823
120.362	.489	-29.091	87.750	6.605	1.674	14.823
197.900	.442	-28.581	86.212	5.977	1.515	12.456
263.800	.429	-28.012	84.496	5.510	1.375	10.508
329.800	.386	-27.010	81.472	5.082	1.278	8.469
395.752	.390	-26.132	78.825	4.737	1.160	6.597
469.886	.412	-24.997	75.402	4.408	1.028	4.582
469.887	.412	-24.997	75.401	4.408	1.028	4.582
481.259	.417	-24.823	74.876	4.358	1.005	4.289
481.260	.215	-20.569	62.045	3.145	.816	6.741
492.632	.212	-20.326	61.311	3.100	.805	6.463
492.633	.212	-20.326	61.311	3.100	.805	6.463
527.700	.205	-19.575	59.046	2.961	.766	5.640
577.275	.214	-18.649	56.253	2.800	.702	4.622
577.276	.214	-23.461	54.422	2.728	.943	4.618
659.600	.235	-21.458	49.777	2.514	.828	2.437
738.919	.277	-19.623	45.520	2.366	.718	.619
738.920	.277	-19.623	45.520	2.366	.718	.619
748.918	.284	-19.392	44.983	2.348	.703	.412
748.919	.022	-11.025	25.574	.454	.172	3.558
758.917	.019	-10.729	24.889	.435	.167	3.413
758.918	.019	-10.729	24.889	.435	.167	3.413
791.504	.012	-9.767	22.656	.375	.149	2.985
857.500	.004	-8.453	19.609	.272	.113	2.273
923.400	-.002	-6.952	16.127	.188	.083	1.605
989.400	-.005	-5.501	12.762	.123	.058	1.061
1055.300	-.004	-4.451	10.325	.075	.037	.714
1121.300	-.003	-3.217	7.462	.040	.021	.413
1154.300	-.002	-2.618	6.073	.027	.014	.290
1187.256	-.002	-2.121	4.920	.016	.009	.208
1220.200	-.001	-1.545	3.585	.007	.004	.155
1253.200	-.001	-.437	1.014	.002	.001	.053
1286.200	-.000	-.217	.503	.001	.001	.031
1319.173	-.000	-.000	.000	-.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SWEPT SYSTEM
WING

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-15

STA.	SXPSIDD	SYPSIDD	MXPSIDD	MYPSIDD	MZPSIDD	MZPSIDS
.000	102.788	32.895	-.197	-8.340	-75.509	-10.177
120.361	100.973	30.841	-.102	-7.404	-62.452	-8.678
120.362	100.973	30.841	-.102	-7.404	-62.452	-8.678
197.900	98.899	29.531	-.057	-6.824	-54.152	-7.850
263.800	96.745	28.384	-.020	-6.347	-47.289	-7.190
329.800	92.890	26.706	.004	-5.886	-40.388	-6.746
395.752	89.658	25.335	.028	-5.451	-33.956	-6.296
469.886	85.572	23.739	.054	-4.984	-27.024	-5.844
469.887	85.572	23.739	.054	-4.984	-27.024	-5.844
481.259	84.946	23.494	.057	-4.913	-25.970	-5.759
481.260	71.343	20.351	-.105	-3.695	-26.329	-3.314
492.632	70.455	20.030	-.101	-3.639	-25.460	-3.270
492.633	70.455	20.030	-.101	-3.639	-25.460	-3.270
527.700	67.718	19.043	-.088	-3.467	-22.802	-3.099
577.275	64.426	17.858	-.070	-3.243	-19.303	-2.788
577.276	64.704	22.695	.212	-3.236	-19.301	-2.792
659.600	58.917	20.359	.205	-2.884	-13.603	-2.962
738.919	53.721	18.297	.199	-2.577	-8.672	-3.047
738.920	53.721	18.297	.199	-2.577	-8.672	-3.047
748.918	53.066	18.037	.199	-2.539	-8.062	-3.035
748.919	31.127	11.357	-.020	-.517	-8.958	.087
758.917	30.283	11.034	-.020	-.499	-8.620	.072
758.918	30.283	11.034	-.020	-.499	-8.620	.072
791.504	27.532	9.981	-.018	-.440	-7.542	.066
857.500	23.810	8.566	-.012	-.332	-5.639	.111
923.400	19.536	6.985	-.009	-.239	-4.033	.060
989.400	15.425	5.485	-.007	-.163	-2.707	.017
1055.300	12.485	4.411	-.004	-.102	-1.710	.066
1121.300	9.022	3.168	-.002	-.056	-.913	.075
1154.300	7.342	2.572	-.002	-.038	-.610	.068
1187.256	5.952	2.079	-.001	-.023	-.374	.079
1220.200	4.348	1.512	-.000	-.010	-.198	.099
1253.200	1.232	.426	-.000	-.003	-.063	.036
1286.200	.613	.210	-.000	-.001	-.027	.025
1319.173	-.000	.000	.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SWEPT SYSTEM
WING

REPORT LG10554-12-1
MODEL C-5A
PAGE 3.2-16

STA.	MXGR	MYGR	MXPR	MYPR	SXPR	SYPR
.000	-66.955	-2.672	-30.499	.761	-74.991	-71.392
120.361	-55.120	-2.657	-24.981	.672	-74.527	-68.977
120.362	-55.120	-2.657	-24.981	.672	-74.527	-68.977
197.900	-47.632	-2.668	-21.576	.551	-73.524	-66.851
263.800	-41.398	-2.654	-18.807	.490	-72.246	-64.962
329.800	-35.266	-2.770	-16.104	.226	-70.055	-61.449
395.752	-29.412	-2.801	-13.628	.134	-67.992	-58.808
469.886	-23.075	-2.822	-11.004	.058	-65.231	-55.676
469.887	-23.075	-2.822	-11.004	.058	-65.231	-55.676
481.259	-22.108	-2.811	-10.604	.055	-64.807	-55.196
481.260	-23.027	-.532	-10.753	.481	-52.748	-48.613
492.632	-22.256	-.570	-10.401	.443	-52.167	-47.908
492.633	-22.256	-.570	-10.401	.443	-52.167	-47.908
527.700	-19.891	-.653	-9.322	.346	-50.373	-45.735
577.275	-16.714	-.672	-7.910	.311	-48.080	-43.303
577.276	-16.591	-2.124	-7.906	-.378	-44.140	-47.313
659.600	-11.455	-2.284	-5.654	-.523	-40.636	-42.662
738.919	-6.965	-2.328	-3.744	-.574	-37.319	-38.647
738.920	-6.965	-2.328	-3.744	-.574	-37.318	-38.647
748.918	-6.408	-2.313	-3.508	-.570	-36.900	-38.141
748.919	-7.887	.474	-3.933	.358	-20.020	-23.907
758.917	-7.594	.443	-3.783	.336	-19.495	-23.243
758.918	-7.594	.443	-3.783	.336	-19.494	-23.243
791.504	-6.653	.382	-3.301	.284	-17.780	-21.077
857.500	-4.973	.332	-2.456	.236	-15.408	-18.198
923.400	-3.561	.213	-1.749	.153	-12.719	-14.860
989.400	-2.397	.122	-1.173	.084	-10.098	-11.680
1055.300	-1.507	.128	-.743	.087	-8.165	-9.461
1121.300	-.200	.104	-.397	.066	-5.902	-6.836
1154.300	-.532	.087	-.265	.054	-4.805	-5.560
1187.256	-.322	.087	-.162	.052	-3.887	-4.515
1220.200	-.167	.097	-.085	.053	-2.822	-3.315
1253.200	-.052	.035	-.027	.019	-.797	-.942
1286.200	-.022	.024	-.011	.013	-.393	-.472
1319.173	-.000	-.000	.000	-.000	-.000	.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
WING

REPORT LG10554-12-1
MODEL C-5A
PAGE 3.2-17

STA.	MXPG	MYPG	MZPG
.000	-5.140	6.571	54.075
120.361	-4.504	5.876	44.657
120.362	-4.504	5.876	44.656
197.900	-4.122	5.438	38.739
263.800	-3.808	5.078	33.747
329.800	-3.513	4.723	29.063
395.752	-3.234	4.388	24.384
469.886	-2.935	4.029	19.273
469.887	-2.935	4.029	19.273
481.259	-2.889	3.974	18.480
481.260	-2.291	2.901	18.184
492.632	-2.255	2.858	17.612
492.633	-2.255	2.858	17.611
527.700	-2.142	2.727	15.825
577.275	-1.993	2.559	13.292
577.276	-2.208	2.376	13.293
659.600	-1.956	2.129	9.665
738.919	-1.737	1.915	6.362
738.920	-1.737	1.915	6.362
748.918	-1.710	1.888	5.934
748.919	-.390	.340	5.169
758.917	-.376	.328	4.992
758.918	-.376	.328	4.992
791.504	-.332	.289	4.391
857.500	-.250	.219	3.246
923.400	-.160	.158	2.354
989.400	-.123	.107	1.611
1055.300	-.077	.067	.960
1121.300	-.043	.037	.476
1154.300	-.029	.025	.300
1187.256	-.017	.015	.150
1220.200	-.008	.007	.033
1253.200	-.002	.002	.006
1286.200	-.001	.001	-.006
1319.173	-.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
HORIZONTAL TAIL

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-18

LOAD AXIS ORIGIN F.S. 2753.294 B.L. 0. W.L. 860.741
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	SZMZ	MXMZ	MYNZ	MYNX	SZTCD	SXTCD
.000	-3.450	-.462	.557	.045	16.156	-4.670
19.073	-2.980	-.406	.507	.038	14.023	-4.026
19.074	-2.980	-.406	.507	.038	14.023	-4.026
20.400	-2.947	-.403	.504	.037	13.875	-3.981
40.700	-2.447	-.344	.451	.030	11.605	-3.296
61.100	-2.218	-.299	.419	.026	10.548	-2.982
81.500	-1.989	-.254	.388	.022	9.490	-2.667
101.800	-1.756	-.219	.351	.019	8.399	-2.349
122.208	-1.521	-.183	.314	.016	7.303	-2.028
142.600	-1.385	-.155	.292	.013	6.664	-1.844
162.900	-1.249	-.128	.269	.011	6.027	-1.660
183.300	-1.125	-.105	.247	.009	5.440	-1.492
203.700	-1.001	-.082	.225	.007	4.852	-1.325
224.000	-.861	-.065	.196	.005	4.180	-1.137
244.416	-.720	-.047	.167	.004	3.503	-.949
264.800	-.611	-.035	.144	.003	2.979	-.804
285.200	-.502	-.023	.121	.002	2.455	-.660
305.500	-.375	-.015	.091	.001	1.837	-.492
325.900	-.248	-.008	.062	.001	1.216	-.324
346.300	-.168	-.005	.042	.000	.826	-.219
366.624	-.088	-.002	.023	.000	.437	-.115
387.000	-.044	-.001	.011	.000	.218	-.058
407.360	-.000	-.000	-.000	-.000	-.000	-.000

2-2

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1US54-12-1

STREAM SYSTEM
HORIZONTAL TAILMODEL C-5A
PAGE 3.2-19LOAD AXIS ORIGIN F.S. 2753.294 B.L. 0. W.L. 800.741
ROTATIONAL AXIS ORIGIN F.S. 1100.583 B.L. 0. W.L. 265.000

STA.	MXTDC	MYTDC	MZTDC	MYTDS	SZPD	MXPD
.000	2.208	-2.586	.617	-.965	-1.196	-.212
19.073	1.948	-2.367	.542	-.864	-1.174	-.199
19.074	1.948	-2.367	.542	-.864	-1.174	-.199
20.400	1.930	-2.352	.537	-.857	-1.172	-.198
40.700	1.653	-2.119	.458	-.749	-1.149	-.185
61.100	1.439	-1.970	.397	-.687	-1.113	-.167
81.500	1.225	-1.834	.337	-.625	-1.077	-.150
101.800	1.057	-1.665	.290	-.560	-1.017	-.133
122.208	.888	-1.495	.243	-.494	-.956	-.117
142.600	.754	-1.393	.205	-.452	-.907	-.101
162.900	.620	-1.291	.168	-.410	-.858	-.086
183.300	.510	-1.187	.138	-.371	-.799	-.073
203.700	.400	-1.084	.108	-.331	-.741	-.059
224.000	.316	-.948	.085	-.285	-.660	-.047
244.416	.231	-.811	.062	-.240	-.578	-.036
264.800	.171	-.700	.046	-.204	-.504	-.027
285.200	.112	-.588	.030	-.167	-.430	-.018
305.500	.075	-.445	.020	-.125	-.330	-.013
325.900	.038	-.302	.010	-.083	-.229	-.007
346.300	.023	-.207	.006	-.057	-.158	-.004
366.624	.008	-.113	.002	-.030	-.088	-.001
387.000	.004	-.056	.001	-.015	-.044	-.001
407.360	-.000	-.000	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
HORIZONTAL TAIL

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-20

LOAD AXIS ORIGIN F.S. 2753.294 B.L. 0. H.L. 800.741
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. H.L. 265.000

STA.	MYPC	MZPC	MXPS	MXPSIDC	MYPSCD	MZPSIDC
.000	.239	.751	.641	-.214	-.024	-2.917
19.073	.237	.683	.564	-.181	-.022	-2.666
19.074	.237	.683	.564	-.181	-.022	-2.666
20.400	.237	.678	.559	-.179	-.021	-2.648
40.700	.234	.606	.477	-.143	-.019	-2.381
61.100	.230	.562	.415	-.124	-.017	-2.211
81.500	.225	.519	.352	-.106	-.015	-2.041
101.800	.215	.469	.303	-.091	-.013	-1.847
122.208	.206	.418	.254	-.076	-.012	-1.653
142.600	.198	.388	.216	-.064	-.010	-1.529
162.900	.189	.357	.177	-.053	-.008	-1.405
183.300	.179	.327	.145	-.043	-.007	-1.283
203.700	.168	.297	.114	-.034	-.006	-1.161
224.000	.152	.259	.090	-.027	-.005	-1.009
244.416	.135	.220	.065	-.019	-.003	-.857
264.800	.119	.189	.049	-.014	-.003	-.734
285.200	.104	.158	.032	-.009	-.002	-.612
305.500	.080	.120	.021	-.006	-.001	-.461
325.900	.057	.080	.011	-.003	-.001	-.310
346.300	.040	.055	.006	-.002	-.000	-.212
366.624	.023	.030	.002	-.000	-.000	-.115
387.000	.011	.015	.001	-.000	-.000	-.057
407.360	-.000	-.000	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
HORIZONTAL TAIL

REPORT LG10554-12-1
MODEL C-5A
PAGE 3.2-21

LOAD AXIS ORIGIN F.S. 2753.294 B.L. 0. W.L. 800.741
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MZPSIDS	MXGR	MYPR	MZFQ
.000	-1.969	-.331	2.705	-2.374
19.073	-1.711	-.299	2.467	-2.162
19.074	-1.711	-.299	2.467	-2.162
20.400	-1.693	-.297	2.450	-2.153
40.700	-1.419	-.263	2.197	-1.934
61.100	-1.210	-.235	2.044	-1.809
81.500	-1.001	-.207	1.891	-1.685
101.800	-.842	-.182	1.714	-1.532
122.208	-.683	-.158	1.537	-1.379
142.600	-.556	-.136	1.428	-1.291
162.900	-.430	-.115	1.319	-1.204
183.300	-.331	-.096	1.210	-1.115
203.700	-.231	-.077	1.102	-1.025
224.000	-.164	-.062	.962	-.900
244.416	-.096	-.046	.821	-.775
264.800	-.052	-.035	.707	-.672
285.200	-.008	-.023	.593	-.570
305.500	.005	-.016	.449	-.433
325.900	.019	-.008	.303	-.295
346.300	.017	-.005	.208	-.203
366.624	.015	-.002	.113	-.111
387.000	.008	-.001	.057	-.056
407.360	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
 SWEEP SYSTEM
 HORIZONTAL TAIL

REPORT LG10554-12-1
 MODEL C-5A
 PAGE 3.2-22

STA.	SXNX	SYNX	MXNX	MYNX	MZNX	MZLY
.000	-3.171	-1.359	-.018	.041	.462	-.281
19.073	-2.739	-1.174	-.015	.035	.406	-.244
19.074	-2.739	-1.174	-.015	.035	.406	-.244
20.400	-2.709	-1.161	-.015	.034	.403	-.242
40.700	-2.249	-.964	-.012	.027	.344	-.213
61.100	-2.039	-.874	-.010	.024	.299	-.184
81.500	-1.829	-.784	-.009	.020	.254	-.159
101.800	-1.614	-.692	-.007	.017	.219	-.134
122.208	-1.398	-.599	-.006	.014	.183	-.113
142.600	-1.273	-.546	-.005	.012	.155	-.096
162.900	-1.148	-.492	-.004	.010	.128	-.082
183.300	-1.034	-.443	-.004	.008	.105	-.069
203.700	-.920	-.394	-.003	.006	.082	-.057
224.000	-.791	-.339	-.002	.005	.065	-.045
244.416	-.662	-.284	-.002	.004	.047	-.034
264.800	-.562	-.241	-.001	.003	.035	-.026
285.200	-.462	-.198	-.001	.002	.023	-.019
305.500	-.345	-.148	-.000	.001	.015	-.012
325.900	-.228	-.098	-.000	.001	.008	-.007
346.300	-.154	-.066	-.000	.000	.005	-.004
366.624	-.081	-.035	-.000	.000	.002	-.002
387.000	-.041	-.017	-.000	.000	.001	-.001
407.360	-.000	-.000	.000	-.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
HORIZONTAL TAIL

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-23

STA.	SZNZ	MXNZ	MYNZ	SXIDD	SYIDD	SZIDD
.000	-3.450	-.535	.076	-4.293	-1.840	16.156
19.073	-2.980	-.470	.064	-3.701	-1.586	14.023
19.074	-2.980	-.470	.064	-3.701	-1.586	14.023
20.400	-2.947	-.465	.064	-3.659	-1.568	13.875
40.700	-2.447	-.400	.060	-3.029	-1.298	11.605
61.100	-2.218	-.347	.051	-2.740	-1.175	10.548
81.500	-1.989	-.296	.046	-2.451	-1.051	9.490
101.800	-1.756	-.254	.037	-2.159	-.925	8.399
122.208	-1.521	-.213	.031	-1.864	-.799	7.303
142.600	-1.385	-.181	.027	-1.695	-.726	6.664
162.900	-1.249	-.150	.025	-1.525	-.654	6.027
183.300	-1.125	-.123	.022	-1.372	-.588	5.440
203.700	-1.001	-.098	.020	-1.218	-.522	4.852
224.000	-.861	-.077	.015	-1.046	-.448	4.180
244.416	-.720	-.057	.013	-.872	-.374	3.503
264.800	-.611	-.042	.010	-.739	-.317	2.979
285.200	-.502	-.029	.009	-.606	-.260	2.455
305.500	-.375	-.019	.005	-.452	-.194	1.837
325.900	-.248	-.010	.004	-.298	-.128	1.216
346.300	-.168	-.006	.002	-.202	-.086	.826
366.624	-.068	-.002	.001	-.106	-.045	.437
387.000	-.044	-.001	.000	-.053	-.023	.218
407.360	-.000	.000	-.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
 SWEEP SYSTEM
 HORIZONTAL TAIL

REPORT LG10554-12-1
 MODEL C-5A
 PAGE 3.2-24

STA.	MXTC	MYTC	MZTC	SXTS	SYTS	SZTS
.000	2.539	-.318	.617	14.850	6.364	4.670
19.073	2.236	-.271	.542	12.889	5.524	4.026
19.074	2.236	-.271	.542	12.889	5.524	4.026
20.400	2.215	-.269	.537	12.753	5.466	3.981
40.700	1.909	-.256	.458	10.667	4.572	3.296
61.100	1.660	-.220	.397	9.695	4.155	2.982
81.500	1.419	-.200	.337	8.723	3.739	2.667
101.800	1.218	-.159	.290	7.720	3.309	2.349
122.208	1.025	-.136	.243	6.712	2.877	2.028
142.600	.871	-.118	.205	6.125	2.625	1.844
162.900	.722	-.112	.168	5.540	2.374	1.660
183.300	.596	-.097	.138	5.000	2.143	1.492
203.700	.474	-.092	.108	4.460	1.912	1.325
224.000	.373	-.070	.085	3.842	1.647	1.137
244.416	.277	-.059	.062	3.220	1.380	.949
264.800	.206	-.046	.046	2.738	1.174	.804
285.200	.139	-.040	.030	2.256	.967	.660
305.500	.092	-.024	.020	1.688	.724	.492
325.900	.048	-.017	.010	1.118	.479	.324
346.300	.028	-.008	.006	.759	.325	.219
366.624	.011	-.006	.002	.401	.172	.115
387.000	.005	-.001	.001	.201	.086	.058
407.360	-.000	-.000	-.000	-.000	-.000	.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
HORIZONTAL TAIL

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-25

STA.	MXIDS	MYIDS	MZIDS	SZFD	MXFD	MYFD
.000	.800	-.300	-2.208	-1.196	-.251	.048
19.073	.699	-.254	-1.948	-1.174	-.236	.044
19.074	.699	-.254	-1.948	-1.174	-.236	.044
20.400	.692	-.251	-1.930	-1.172	-.235	.044
40.700	.589	-.212	-1.653	-1.149	-.218	.040
61.100	.511	-.183	-1.439	-1.113	-.197	.037
81.500	.435	-.160	-1.225	-1.077	-.177	.034
101.800	.372	-.133	-1.057	-1.017	-.158	.030
122.208	.312	-.112	-.888	-.956	-.138	.027
142.600	.264	-.095	-.754	-.907	-.121	.024
162.900	.218	-.082	-.620	-.858	-.103	.022
183.300	.180	-.069	-.510	-.799	-.087	.019
203.700	.142	-.058	-.400	-.741	-.072	.018
224.000	.112	-.045	-.316	-.660	-.058	.014
244.416	.082	-.035	-.231	-.578	-.044	.012
264.800	.061	-.026	-.171	-.504	-.034	.009
285.200	.041	-.019	-.112	-.430	-.024	.008
305.500	.027	-.012	-.075	-.330	-.016	.005
325.900	.014	-.007	-.038	-.229	-.009	.003
346.300	.008	-.004	-.023	-.158	-.005	.002
366.624	.003	-.002	-.008	-.088	-.002	.001
387.000	.001	-.000	-.004	-.044	-.001	.000
407.360	.000	-.000	.000	-.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS
 SWEEP SYSTEM
 HORIZONTAL TAIL

REPORT LG1USE4-12-1
 MODEL C-5A
 PAGE 3.2-26

STA.	MZPD	SXPS	SYPS	MXPS	MYPS	NZPS
.000	.377	-.471	1.099	.737	-.094	.143
19.073	.327	-.462	1.079	.647	-.079	.133
19.074	.327	-.462	1.079	.647	-.079	.133
20.400	.324	-.462	1.077	.641	-.078	.133
40.700	.284	-.452	1.056	.551	-.073	.122
61.100	.245	-.436	1.023	.478	-.062	.111
81.500	.212	-.424	.990	.407	-.056	.101
101.800	.178	-.401	.935	.349	-.044	.089
122.208	.149	-.377	.879	.293	-.037	.079
142.600	.127	-.357	.834	.248	-.032	.070
162.900	.109	-.338	.788	.205	-.030	.061
183.300	.091	-.315	.735	.169	-.026	.052
203.700	.076	-.292	.681	.134	-.025	.045
224.000	.059	-.260	.606	.106	-.019	.036
244.416	.045	-.228	.531	.078	-.016	.028
264.800	.034	-.199	.463	.058	-.012	.022
285.200	.025	-.169	.395	.039	-.011	.017
305.500	.016	-.130	.303	.026	-.006	.011
325.900	.009	-.090	.210	.013	-.004	.007
346.300	.005	-.062	.146	.008	-.002	.004
366.624	.002	-.035	.081	.003	-.001	.002
387.000	.001	-.017	.040	.001	-.000	.001
407.360	-.000	-.000	.000	-.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS
 SWEEP SYSTEM
 HORIZONTAL TAIL

REPORT LG1US54-12-1
 MODEL C-5A
 PAGE 3.2-27

STA.	SXPSIDD	SYPSIDD	MXPSIDD	MYPSIDD	MZPSIDD	MZPSIDS
.000	7.464	4.764	-.188	-.106	-1.623	-2.065
19.073	6.603	4.163	-.158	-.091	-1.429	-1.815
19.074	6.603	4.163	-.158	-.091	-1.429	-1.815
20.400	6.543	4.121	-.156	-.090	-1.416	-1.797
40.700	5.627	3.482	-.124	-.074	-1.250	-1.531
61.100	5.178	3.179	-.108	-.065	-1.090	-1.328
81.500	4.729	2.876	-.091	-.056	-.950	-1.124
101.800	4.244	2.559	-.078	-.048	-.809	-.968
122.208	3.756	2.241	-.065	-.041	-.686	-.809
142.600	3.459	2.052	-.055	-.035	-.588	-.684
162.900	3.163	1.863	-.045	-.029	-.502	-.559
183.300	2.877	1.686	-.037	-.024	-.420	-.458
203.700	2.592	1.510	-.029	-.019	-.349	-.355
224.000	2.253	1.305	-.023	-.015	-.273	-.280
244.416	1.911	1.100	-.016	-.011	-.210	-.202
264.800	1.637	.938	-.012	-.008	-.158	-.150
285.200	1.362	.776	-.008	-.005	-.115	-.095
305.500	1.027	.582	-.005	-.003	-.074	-.064
325.900	.689	.388	-.002	-.002	-.043	-.031
346.300	.471	.264	-.001	-.001	-.023	-.019
366.624	.255	.141	-.000	-.000	-.011	-.006
387.000	.126	.070	-.000	-.000	-.004	-.003
407.360	-.000	.000	.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
HORIZONTAL TAIL

REPORT LG1US54-12-1
MODEL C-5A
PAGE 22-28

STA.	MXGR	MYGR	MXPR	MYPR	SXPG	SYPG
.000	-.361	.001	-2.586	.427	5.265	-15.321
19.073	-.327	.005	-2.275	.362	4.446	-13.352
19.074	-.327	.005	-2.275	.362	4.445	-13.352
20.400	-.325	.005	-2.254	.359	4.388	-13.215
40.700	-.290	.009	-1.939	.328	3.516	-11.119
61.100	-.260	.010	-1.687	.282	3.132	-10.133
81.500	-.230	.011	-1.441	.253	2.748	-9.147
101.800	-.203	.010	-1.238	.204	2.374	-8.121
122.208	-.176	.010	-1.041	.174	1.998	-7.089
142.600	-.153	.010	-.885	.151	1.791	-6.482
162.900	-.129	.011	-.734	.138	1.586	-5.878
183.300	-.109	.010	-.606	.119	1.408	-5.315
203.700	-.088	.011	-.482	.109	1.231	-4.752
224.000	-.071	.009	-.379	.083	1.040	-4.102
244.416	-.054	.008	-.281	.069	.849	-3.448
264.800	-.041	.006	-.209	.052	.710	-2.937
285.200	-.028	.006	-.141	.045	.572	-2.425
305.500	-.019	.004	-.093	.027	.420	-1.818
325.900	-.010	.003	-.049	.018	.269	-1.208
346.300	-.006	.001	-.028	.009	.180	-.821
366.624	-.002	.001	-.011	.006	.091	-.436
387.000	-.001	.000	-.005	.001	.046	-.218
407.360	-.000	-.000	.000	-.000	-.000	.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
HORIZONTAL TAIL

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2-29

STA.	MXPG	MYPG	MZPG
.000	-.206	-.063	-1.080
19.073	-.175	-.051	-.930
19.074	-.175	-.051	-.930
20.400	-.173	-.051	-.921
40.700	-.139	-.039	-.803
61.100	-.121	-.033	-.689
81.500	-.103	-.028	-.593
101.800	-.089	-.023	-.493
122.208	-.075	-.019	-.412
142.600	-.063	-.016	-.351
162.900	-.052	-.013	-.301
183.300	-.043	-.011	-.252
203.700	-.033	-.008	-.213
224.000	-.026	-.006	-.164
244.416	-.019	-.004	-.127
264.800	-.014	-.003	-.096
285.200	-.009	-.002	-.073
305.500	-.006	-.001	-.045
325.900	-.003	-.001	-.028
346.300	-.002	-.000	-.015
366.624	-.000	-.000	-.008
387.000	-.000	-.000	-.002
407.360	-.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1LS54-12-1

STREAM SYSTEM

MODEL C-5A

VERTICAL TAIL

PAGE 3-2-30

LOAD AXIS ORIGIN F.S. 2436.967 B.L. 0. A.L. 326.500

ROTATIONAL AXIS ORIGIN F.S. 1106.503 B.L. 0. A.L. 265.000

STA.	SXNZ	PYXZ	PYXZ	SXTDC	SXTDC	PYXDC
336.500	-6.572	2.036	-1.684	22.809	-6.430	-11.012
407.200	-6.543	2.030	-1.548	22.665	-6.419	-10.849
424.656	-6.519	2.023	-1.434	22.580	-6.410	-10.706
424.657	-6.519	2.023	-1.434	22.580	-6.410	-10.706
427.900	-6.505	2.021	-1.413	22.526	-6.405	-10.676
448.600	-6.190	1.966	-1.225	27.255	-6.255	-10.319
469.300	-5.875	1.911	-1.157	23.954	-6.106	-9.963
490.000	-5.558	1.840	-1.042	24.666	-5.920	-9.538
510.762	-5.240	1.769	-.926	23.344	-5.734	-9.112
531.500	-4.965	1.702	-.824	22.166	-5.545	-8.713
552.200	-4.690	1.636	-.721	21.029	-5.357	-8.316
572.900	-4.430	1.565	-.629	19.916	-5.150	-7.897
593.600	-4.171	1.493	-.538	18.802	-4.942	-7.479
614.300	-3.911	1.415	-.457	17.669	-4.707	-7.036
635.039	-3.651	1.336	-.375	16.534	-4.472	-6.592
655.800	-3.355	1.235	-.305	15.214	-4.172	-6.051
676.500	-3.061	1.135	-.236	13.899	-3.873	-5.511
697.200	-2.799	1.043	-.177	12.723	-3.579	-5.018
717.900	-2.537	.950	-.119	11.546	-3.285	-4.525
739.539	-2.091	.801	-.073	9.563	-2.737	-3.796
759.315	-1.684	.665	-.031	7.749	-2.237	-3.129
779.741	-.853	.337	-.016	3.928	-1.134	-1.586
800.741	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT I - PTIA LOW S

REPORT LG1US54-12-1

STREAM SYSTEM

MODEL C-5A

VERTICAL TAIL

PAGE 3.2-31

LOAD AXIS ORIGIN F.S. 2482.987 B.L. J. W.L. 386.500

ROTATIONAL AXIS ORIGIN F.S. 1106.540 B.L. J. W.L. 285.000

STA.	MYDS	MXPD	MZPD	MXPSID	MZPSID	SYDR
386.500	5.388	-1.893	2.133	7.521	-9.132	-6.430
407.200	4.797	-1.760	2.130	6.927	-9.096	-6.419
424.656	4.299	-1.648	2.127	6.426	-9.065	-6.410
424.657	4.299	-1.648	2.127	6.426	-9.065	-6.410
427.900	4.207	-1.627	2.126	6.333	-9.056	-6.405
446.600	3.669	-1.497	2.100	5.770	-8.822	-6.255
469.300	3.132	-1.366	2.075	5.206	-8.601	-6.106
490.000	2.681	-1.243	2.053	4.695	-8.299	-5.920
510.762	2.190	-1.121	1.992	4.161	-7.996	-5.734
531.500	1.777	-1.006	1.946	3.723	-7.712	-5.545
552.200	1.366	-.892	1.901	3.266	-7.428	-5.357
572.900	1.010	-.785	1.844	2.854	-7.117	-5.150
593.600	.654	-.678	1.787	2.441	-6.806	-4.942
614.300	.359	-.580	1.716	2.075	-6.460	-4.707
635.039	.064	-.482	1.645	1.709	-6.114	-4.472
655.800	-.151	-.395	1.543	1.391	-5.659	-4.172
676.500	-.366	-.306	1.441	1.075	-5.205	-3.873
697.200	-.527	-.233	1.337	.810	-4.787	-3.579
717.900	-.689	-.158	1.234	.545	-4.369	-3.285
739.539	-.715	-.096	1.050	.335	-3.700	-2.737
759.315	-.739	-.043	.883	.144	-3.028	-2.237
779.741	-.374	-.022	.447	.073	-1.565	-1.134
800.741	.000	.000	.000	.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LO10554-12-1

STREAM SYSTEM

MODEL C-BA

VERTICAL TAIL

PAGE 3.2-32

LOAD AXIS ORIGIN F.S. 2466.967 B.L. 0. A.L. 386.500

ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.C. 0. A.L. 265.800

STA.	PAGE	MZGR	SZFR	MXPR	MYPR	MZFR
386.500	1.666	-2.133	-28.869	.000	7.239	-.000
407.200	1.753	-2.130	-28.685	.000	7.336	-.000
424.656	1.641	-2.127	-28.580	.000	7.417	-.000
424.657	1.641	-2.127	-28.580	.000	7.417	-.000
427.900	1.620	-2.126	-28.526	.000	7.429	-.000
448.600	1.491	-2.100	-27.255	.000	7.331	-.000
469.300	1.362	-2.075	-25.924	.000	7.233	-.000
490.000	1.239	-2.033	-24.666	.000	7.054	-.000
510.762	1.116	-1.992	-23.344	.000	6.875	-.000
531.500	1.001	-1.946	-22.186	.000	6.706	-.000
552.200	.887	-1.901	-21.029	.000	6.537	-.000
572.900	.780	-1.844	-19.916	.000	6.332	-.000
593.600	.674	-1.787	-18.802	.000	6.128	-.000
614.300	.578	-1.716	-17.669	.000	5.880	-.000
635.039	.479	-1.645	-16.534	.000	5.631	-.000
655.800	.392	-1.543	-15.214	.000	5.264	-.000
676.500	.305	-1.441	-13.899	.000	4.897	-.000
697.200	.231	-1.337	-12.723	.000	4.554	-.000
717.900	.156	-1.234	-11.546	.000	4.211	-.000
739.539	.096	-1.050	-9.563	.000	3.602	-.000
759.315	.042	-.883	-7.749	.000	3.045	-.000
779.741	.021	-.447	-3.928	.000	1.543	-.000
800.741	.000	.000	.000	.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10S54-12-1

STREAM SYSTEM

MODEL C-5A

VERTICAL TAIL

PAGE 3.2-33

LOAD AXIS ORIGIN F.S. 2480.957 G.L. 0. H.L. 386.500
ROTATIONAL AXIS ORIGIN F.S. 1100.583 G.L. 0. H.L. 265.000

STA.	AXPG	MZPG
386.500	7.621	-9.125
407.200	6.927	-9.089
424.650	6.426	-9.056
424.657	6.426	-9.058
427.900	6.333	-9.049
448.600	5.770	-8.822
469.300	5.206	-8.595
490.000	4.695	-8.293
510.782	4.181	-7.991
531.500	3.723	-7.707
552.200	3.266	-7.424
572.900	2.854	-7.113
593.600	2.441	-6.802
614.300	2.075	-6.450
635.039	1.709	-6.110
655.800	1.391	-5.650
676.500	1.075	-5.203
697.200	.810	-4.785
717.900	.545	-4.367
739.339	.335	-3.898
759.315	.144	-3.086
779.741	.073	-1.564
800.741	-.000	.000

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
VERTICAL TAIL

REPORT LG10554-12-1
MODEL C-54
PAGE 3.2-34

STA.	S.W.A	S.Z.Y	X.Y.A	S.Y.Y	X.R.Y	S.Z.Y
386.500	-5.442	-3.683	-1.624	-6.572	2.087	-.080
407.200	-5.419	-3.667	-1.648	-6.543	1.921	-.076
424.656	-5.399	-3.654	-1.434	-6.519	1.781	-.073
424.657	-5.399	-3.654	-1.434	-6.519	1.781	-.073
427.900	-5.368	-3.646	-1.413	-6.505	1.755	-.073
448.600	-5.126	-3.469	-1.265	-6.190	1.597	-.066
469.300	-4.865	-3.293	-1.167	-5.875	1.443	-.067
490.000	-4.603	-3.115	-1.042	-5.556	1.295	-.055
510.762	-4.340	-2.937	-.926	-5.240	1.153	-.051
531.500	-4.112	-2.783	-.824	-4.963	1.023	-.043
552.200	-3.864	-2.628	-.721	-4.690	.899	-.041
572.900	-3.669	-2.483	-.629	-4.430	.782	-.032
593.600	-3.454	-2.336	-.538	-4.171	.669	-.029
614.300	-3.239	-2.192	-.457	-3.911	.565	-.021
635.039	-3.024	-2.046	-.375	-3.651	.466	-.018
655.800	-2.779	-1.881	-.305	-3.385	.373	-.006
676.500	-2.535	-1.715	-.236	-3.061	.285	-.001
697.200	-2.316	-1.569	-.177	-2.799	.210	.006
717.900	-2.101	-1.422	-.119	-2.537	.139	.007
739.539	-1.732	-1.172	-.073	-2.091	.086	.003
759.315	-1.394	-.944	-.031	-1.684	.045	-.011
779.741	-.767	-.478	-.016	-.853	.016	.004
800.741	.000	.000	.000	.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10554-12-1

SWEEP SYSTEM

MODEL C-54

VERTICAL TAIL

PAGE 3.2-35

STA.	WTLZ	SKID	SZTL	MYTD	MYTS	SYED
386.500	1.236	-21.471	20.255	-7.500	6.173	6.430
407.200	1.139	-21.393	20.154	-6.944	5.671	6.419
424.856	1.058	-21.327	20.077	-6.476	5.247	6.410
424.857	1.058	-21.327	20.077	-6.476	5.247	6.410
427.900	1.044	-21.292	20.035	-6.394	5.169	6.405
448.600	.950	-20.456	19.067	-5.846	4.696	6.255
469.300	.864	-19.620	18.098	-5.334	4.219	6.106
490.000	.772	-18.727	17.110	-4.796	3.799	5.920
510.762	.686	-17.832	16.120	-4.296	3.372	5.734
531.500	.609	-17.027	15.266	-3.827	2.999	5.545
552.200	.537	-16.222	14.414	-3.390	2.620	5.357
572.900	.465	-15.427	13.608	-2.953	2.288	5.150
593.600	.399	-14.631	12.802	-2.548	1.950	4.942
614.300	.334	-13.802	11.995	-2.155	1.660	4.707
635.039	.276	-12.970	11.187	-1.792	1.362	4.472
655.800	.214	-11.982	10.262	-1.420	1.118	4.172
676.500	.160	-10.997	9.340	-1.086	.867	3.873
697.200	.112	-10.094	8.531	-.789	.662	3.579
717.900	.072	-9.191	7.722	-.526	.449	3.285
739.539	.046	-7.627	6.386	-.344	.273	2.737
759.315	.034	-6.195	5.164	-.228	.099	2.237
779.741	.006	-3.141	2.618	-.061	.066	1.134
800.741	.000	-.000	.000	.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10554-12-1

SWEEP SYSTEM
VERTICAL TAIL

MODEL C-5A

PAGE 3.2-36

STA.	WAPD	MZPD	EXPS	SZPS	WYPS	SYPSIDL
336.500	-2.323	.055	-3.604	5.325	-1.348	-28.809
407.200	-2.162	.034	-3.392	5.316	-1.256	-28.685
424.656	-2.028	.033	-3.393	5.309	-1.179	-28.580
424.657	-2.028	.033	-3.393	5.309	-1.179	-28.580
427.900	-2.000	.053	-3.590	5.304	-1.165	-28.526
448.600	-1.842	.050	-3.306	5.180	-1.074	-27.255
469.300	-1.666	.051	-3.422	5.057	-.987	-26.984
490.000	-1.533	.044	-3.318	4.903	-.896	-24.666
510.762	-1.382	.042	-3.214	4.749	-.809	-23.344
531.500	-1.240	.036	-3.108	4.592	-.725	-22.186
552.200	-1.100	.035	-3.002	4.436	-.646	-21.029
572.900	-.967	.028	-2.886	4.265	-.565	-19.916
593.600	-.836	.026	-2.770	4.093	-.491	-18.802
614.300	-.713	.019	-2.638	3.899	-.415	-17.669
635.039	-.594	.017	-2.506	3.703	-.347	-16.534
655.800	-.480	.005	-2.338	3.455	-.273	-15.214
676.500	-.371	-.000	-2.170	3.207	-.208	-13.899
697.200	-.276	-.008	-2.006	2.964	-.148	-12.723
717.900	-.185	-.009	-1.841	2.720	-.096	-11.546
739.539	-.116	-.004	-1.534	2.267	-.062	-9.563
759.315	-.061	.013	-1.254	1.852	-.045	-7.749
779.741	-.022	-.006	-.635	.939	-.007	-3.928
800.741	-.000	.000	.000	-.000	-.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SLEPT SYSTEM
VERTICAL TAIL

REPORT LG10SE4-12-1
MODEL C-5A
PAGE 3.2-37

STA.	WAPSIDE	WZPSIDE	LAPSIDE	LZPSIDE	WYPSIDE	SYLID
336.500	9.375	-.434	23.359	16.146	7.521	-6.436
407.200	8.648	-.417	23.756	16.077	6.927	-6.419
424.650	8.033	-.404	23.669	16.016	6.426	-6.410
424.657	8.033	-.404	23.669	16.016	6.426	-6.410
427.900	7.920	-.404	23.625	15.988	6.333	-6.405
448.000	7.219	-.373	22.572	15.275	5.770	-6.255
469.300	6.538	-.372	21.520	14.563	5.206	-6.106
490.000	5.883	-.317	20.428	13.824	4.695	-5.920
510.762	5.246	-.292	19.333	13.084	4.181	-5.734
531.500	4.607	-.253	18.374	12.434	3.723	-5.545
552.200	4.108	-.242	17.416	11.786	3.266	-5.357
572.900	3.561	-.200	16.494	11.162	2.854	-5.150
593.600	3.072	-.184	15.572	10.538	2.441	-4.942
614.300	2.603	-.144	14.633	9.903	2.075	-4.707
635.039	2.151	-.130	13.693	9.267	1.709	-4.472
655.800	1.729	-.072	12.600	8.527	1.391	-4.172
676.500	1.328	-.044	11.511	7.790	1.075	-3.873
697.200	.984	-.009	10.537	7.130	.810	-3.579
717.900	.659	-.001	9.562	6.471	.545	-3.285
739.539	.416	-.017	7.920	5.360	.335	-2.737
759.315	.224	-.074	6.418	4.343	.144	-2.237
779.741	.083	.008	3.253	2.202	.073	-1.134
800.741	-.000	.000	.000	.000	.000	-.000

STRUCTURAL UNIT INERTIA LOADS
SHEPT S. STEP
VERTICAL TAIL

REPORT LG10584-12-1
MODEL C-5A
PAGE 3.2-38

STA.	WGN	MZGR	SAPR	SZPR	WAPR	WYPR
388.500	2.317	-.059	10.621	-27.462	.000	3.721
407.200	2.156	-.055	10.780	-27.354	.000	3.431
424.656	2.020	-.057	10.709	-27.262	.000	3.189
424.657	2.020	-.057	10.709	-27.262	.000	3.189
427.900	1.995	-.057	10.683	-27.214	.000	3.146
446.600	1.837	-.054	10.095	-26.076	.000	2.857
469.300	1.681	-.054	9.507	-24.942	.000	2.604
490.000	1.528	-.047	8.922	-23.746	.000	2.315
510.762	1.378	-.045	8.335	-22.547	.000	2.061
531.500	1.236	-.039	7.842	-21.482	.000	1.819
552.200	1.097	-.038	7.350	-20.418	.000	1.611
572.900	.963	-.031	6.897	-19.380	.000	1.388
593.600	.833	-.029	6.445	-18.342	.000	1.197
614.300	.710	-.021	6.004	-17.272	.000	.999
635.039	.591	-.019	5.563	-16.199	.000	.832
655.800	.478	-.006	5.072	-14.938	.000	.633
676.500	.369	-.001	4.583	-13.681	.000	.473
697.200	.274	.007	4.167	-12.542	.000	.325
717.900	.183	.008	3.751	-11.403	.000	.211
739.539	.115	.003	3.093	-9.454	.000	.149
759.315	.060	-.014	2.491	-7.671	.000	.143
779.741	.021	.006	1.263	-3.869	.000	.018
800.741	.000	.000	-.000	.000	.000	.000

STRUCTURAL UNIT INERTIAL LOADS

REPORT LG10554-12-1

SHEPT SYSTEM

MODEL C-5A

VERTICAL TAIL

PAGE 3.2-39

STA.	ALPH	XPB	Y2F1	SYF1
386.800	.000	9.872	-.429	-28.809
407.200	.000	8.642	-.411	-18.688
424.658	.000	6.029	-.399	-28.560
424.657	.000	6.029	-.399	-28.560
427.900	.000	7.917	-.398	-28.528
448.800	.000	7.216	-.368	-27.285
469.300	.000	6.535	-.367	-28.984
490.000	.000	5.880	-.312	-24.666
510.762	.000	5.243	-.288	-23.344
531.500	.000	4.665	-.249	-22.106
552.200	.000	4.105	-.238	-21.029
572.900	.000	3.579	-.197	-19.916
593.600	.000	3.070	-.181	-18.802
614.300	.000	2.501	-.141	-17.669
635.039	.000	2.149	-.128	-16.534
655.800	.000	1.727	-.089	-15.214
676.500	.000	1.326	-.042	-13.899
697.200	.000	.983	-.007	-12.723
717.900	.000	.657	.001	-11.546
739.539	.000	.415	-.015	-9.363
759.315	.000	.223	-.072	-7.749
779.741	.000	.082	.008	-3.926
800.741	.000	.000	-.000	.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG1USE4-12-1
MODEL C-5A
PAGE 3.2-40

LOAD AXIS ORIGIN F.S. 2486.987 B.L. 0. W.L. 386.500
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	S2NZ	MYNZ	MYNX	SZTDC	SxTDC	MYTDC
386.500	-13.471	4.975	-4.452	61.121	-15.770	-28.599
407.200	-13.443	4.967	-4.174	60.996	-15.760	-28.236
424.656	-13.418	4.960	-3.939	60.892	-15.751	-27.930
424.657	-13.418	4.960	-3.939	60.892	-15.751	-27.930
427.900	-13.405	4.958	-3.895	60.838	-15.745	-27.870
448.600	-13.090	4.903	-3.624	59.567	-15.595	-27.320
469.300	-12.774	4.848	-3.354	58.296	-15.446	-26.770
490.000	-12.458	4.777	-3.095	56.978	-15.260	-26.152
510.762	-12.140	4.706	-2.837	55.656	-15.074	-25.532
531.500	-11.864	4.639	-2.591	54.497	-14.886	-24.939
552.200	-11.589	4.573	-2.346	53.341	-14.697	-24.348
572.900	-11.330	4.502	-2.111	52.228	-14.490	-23.737
593.600	-11.071	4.430	-1.877	51.114	-14.283	-23.126
614.300	-10.811	4.352	-1.653	49.981	-14.048	-22.489
635.039	-10.551	4.273	-1.429	48.846	-13.812	-21.851
655.800	-10.255	4.173	-1.215	47.526	-13.512	-21.116
676.500	-9.960	4.072	-1.003	46.211	-13.213	-20.382
697.200	-9.699	3.980	-.802	45.034	-12.919	-19.696
717.900	-9.437	3.888	-.600	43.858	-12.625	-19.011
739.539	-8.991	3.738	-.405	41.875	-12.078	-18.079
759.315	-8.583	3.602	-.227	40.061	-11.577	-17.228
779.741	-7.753	3.274	-.071	36.240	-10.474	-15.494
800.741	-6.900	2.937	.090	32.312	-9.340	-13.711

STRUCTURAL UNIT INERTIA LOADS
 STREAM SYSTEM
 VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG1USE4-12-1
 MODEL C-5A
 PAGE 3-2-41

LOAD AXIS ORIGIN F.S. 2488.987 B.L. 0. W.L. 326.500
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MYTDS	MXPD	MZPD	MXPSIDD	MZPSIDD	SYGR
386.500	14.374	-6.186	6.103	20.477	-23.505	-6.430
407.200	13.115	-5.860	6.100	19.214	-23.469	-6.419
424.656	12.052	-5.585	6.097	18.149	-23.438	-6.410
424.657	12.052	-5.585	6.097	18.149	-23.438	-6.410
427.900	11.856	-5.533	6.096	17.952	-23.429	-6.405
448.600	10.649	-5.210	6.070	16.719	-23.202	-6.255
469.300	9.443	-4.887	6.044	15.487	-22.974	-6.106
490.000	8.303	-4.571	6.003	14.306	-22.672	-5.920
510.762	7.161	-4.254	5.961	13.122	-22.369	-5.734
531.500	6.078	-3.945	5.916	11.994	-22.085	-5.545
552.200	4.998	-3.637	5.871	10.868	-21.802	-5.357
572.900	3.973	-3.337	5.814	9.787	-21.490	-5.150
593.600	2.949	-3.036	5.757	8.705	-21.179	-4.942
614.300	1.985	-2.745	5.686	7.670	-20.833	-4.707
635.039	1.019	-2.454	5.615	6.634	-20.487	-4.472
655.800	.133	-2.173	5.513	5.646	-20.032	-4.172
676.500	-.750	-1.892	5.411	4.661	-19.579	-3.873
697.200	-1.580	-1.624	5.307	3.727	-19.161	-3.579
717.900	-2.411	-1.356	5.203	2.793	-18.743	-3.285
739.539	-3.136	-1.094	5.020	1.884	-18.073	-2.737
759.315	-3.799	-.854	4.852	1.054	-17.461	-2.237
779.741	-4.095	-.642	4.417	.323	-15.939	-1.134
800.741	-4.399	-.424	3.970	-.429	-14.373	-.000

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG10554-12-1
MODEL C-5A
PAGE 3.2-42

LOAD AXIS ORIGIN F.S. 2486.987 B.L. 0. W.L. 386.500
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MXGR	MZGR	SZPR	MXPR	MYPR	MZPR
386.500	1.224	-2.133	-28.809	-4.417	7.239	1.234
407.200	1.091	-2.130	-28.685	-4.417	7.336	1.234
424.656	.979	-2.127	-28.580	-4.417	7.417	1.234
424.657	.979	-2.127	-28.580	-4.417	7.417	1.234
427.900	.958	-2.126	-28.526	-4.417	7.429	1.234
448.600	.829	-2.100	-27.255	-4.417	7.331	1.234
469.300	.700	-2.075	-25.984	-4.417	7.233	1.234
490.000	.577	-2.033	-24.666	-4.417	7.054	1.234
510.762	.454	-1.992	-23.344	-4.417	6.875	1.234
531.500	.339	-1.946	-22.186	-4.417	6.706	1.234
552.200	.225	-1.901	-21.029	-4.417	6.537	1.234
572.900	.118	-1.844	-19.916	-4.417	6.332	1.234
593.600	.012	-1.787	-18.802	-4.417	6.128	1.234
614.300	-.086	-1.716	-17.669	-4.417	5.880	1.234
635.039	-.183	-1.645	-16.534	-4.417	5.631	1.234
655.800	-.270	-1.543	-15.214	-4.417	5.264	1.234
676.500	-.357	-1.441	-13.899	-4.417	4.897	1.234
697.200	-.431	-1.337	-12.723	-4.417	4.554	1.234
717.900	-.506	-1.234	-11.546	-4.417	4.211	1.234
739.539	-.566	-1.050	-9.563	-4.417	3.602	1.234
759.315	-.620	-.883	-7.749	-4.417	3.045	1.234
779.741	-.641	-.447	-3.928	-4.417	1.543	1.234
800.741	-.662	.000	.000	-4.417	-.000	1.234

STRUCTURAL UNIT INERTIA LOADS
STREAM SYSTEM
VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3:2-43

LOAD AXIS ORIGIN F.S. 2486.987 B.L. 0. W.L. 386.500
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MXPQ	MZPQ
386.500	7.521	-13.872
407.200	6.927	-13.836
424.656	6.426	-13.805
424.657	6.426	-13.805
427.900	6.333	-13.796
448.600	5.770	-13.569
469.300	5.206	-13.342
490.000	4.695	-13.041
510.762	4.181	-12.738
531.500	3.723	-12.454
552.200	3.266	-12.171
572.900	2.854	-11.860
593.600	2.441	-11.549
614.300	2.075	-11.204
635.039	1.709	-10.857
655.800	1.391	-10.403
676.500	1.075	-9.950
697.200	.810	-9.532
717.900	.545	-9.114
739.539	.335	-8.445
759.315	.144	-7.833
779.741	.073	-6.312
800.741	-.000	-4.747

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG10S54-12-1
MODEL C-5A
PAGE 3, 2-44

STA.	SXNX	SZNX	PYNY	SYNY	MXNY	MZLY
386.500	-11.157	-7.550	-4.452	-13.471	5.553	-.263
407.200	-11.133	-7.534	-4.174	-13.443	5.215	-.259
424.656	-11.113	-7.520	-3.939	-13.418	4.929	-.256
424.657	-11.113	-7.520	-3.939	-13.418	4.929	-.256
427.900	-11.102	-7.513	-3.895	-13.405	4.877	-.256
448.600	-10.841	-7.336	-3.624	-13.090	4.546	-.250
469.300	-10.579	-7.159	-3.354	-12.774	4.219	-.251
490.000	-10.317	-6.982	-3.095	-12.458	3.899	-.239
510.762	-10.054	-6.804	-2.837	-12.140	3.584	-.234
531.500	-9.826	-6.650	-2.591	-11.864	3.282	-.226
552.200	-9.598	-6.495	-2.346	-11.589	2.984	-.224
572.900	-9.383	-6.350	-2.111	-11.330	2.695	-.216
593.600	-9.169	-6.205	-1.877	-11.071	2.410	-.213
614.300	-8.953	-6.059	-1.653	-10.811	2.134	-.204
635.039	-8.738	-5.913	-1.429	-10.551	1.862	-.202
655.800	-8.493	-5.748	-1.215	-10.255	1.596	-.190
676.500	-8.249	-5.582	-1.003	-9.960	1.335	-.184
697.200	-8.032	-5.436	-.802	-9.699	1.088	-.177
717.900	-7.815	-5.289	-.600	-9.437	.844	-.176
739.539	-7.446	-5.039	-.405	-8.991	.612	-.181
759.315	-7.108	-4.811	-.227	-8.583	.405	-.194
779.741	-6.421	-4.345	-.071	-7.753	.206	-.179
800.741	-5.714	-3.867	.090	-6.900	.015	-.183

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG1US54-12-1
MODEL C-5A
PAGE 32-45

STA.	MYNZ	SXIDD	SZTDD	MYTDD	MYTDS	SYPD
388.500	3.350	-47.316	41.780	-21.135	16.300	15.770
407.200	3.137	-47.238	41.684	-19.933	15.260	15.760
424.656	2.975	-47.172	41.602	-18.922	14.382	15.751
424.657	2.975	-47.172	41.602	-18.922	14.382	15.751
427.900	2.945	-47.137	41.560	-18.737	14.219	15.745
448.600	2.755	-46.301	40.592	-17.543	13.209	15.595
469.300	2.573	-45.465	39.623	-16.385	12.194	15.446
490.000	2.383	-44.572	38.635	-15.203	11.236	15.260
510.762	2.203	-43.677	37.645	-14.055	10.269	15.074
531.500	2.026	-42.872	36.791	-12.937	9.357	14.886
552.200	1.858	-42.067	35.939	-11.853	8.440	14.697
572.900	1.689	-41.272	35.133	-10.771	7.570	14.490
593.600	1.527	-40.476	34.327	-9.720	6.694	14.283
614.300	1.365	-39.646	33.520	-8.681	5.866	14.048
635.039	1.211	-38.815	32.712	-7.671	5.029	13.812
655.800	1.051	-37.827	31.787	-6.651	4.246	13.512
676.500	.901	-36.842	30.866	-5.671	3.456	13.213
697.200	.756	-35.939	30.056	-4.728	2.714	12.919
717.900	.619	-35.036	29.247	-3.819	1.962	12.625
739.539	.492	-33.472	27.911	-2.961	1.224	12.078
759.315	.388	-32.040	26.690	-2.228	.536	11.577
779.741	.264	-28.986	24.143	-1.424	-.028	10.474
800.741	.160	-25.845	21.525	-.708	-.640	9.340

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG1USE4-12-1
MODEL C-5A
PAGE 3.2-46

STA.	FXPD	MZPD	SXFS	SZPS	MYPS	SYPSIDC
386.500	-7.464	-.008	-8.838	13.060	-4.177	-61.121
407.200	-7.069	-.009	-8.833	13.052	-3.955	-60.996
424.656	-6.736	-.010	-8.828	13.044	-3.767	-60.892
424.657	-6.736	-.010	-8.828	13.044	-3.767	-60.892
427.900	-6.675	-.010	-8.824	13.040	-3.732	-60.838
448.600	-6.283	-.013	-8.741	12.916	-3.511	-59.567
469.300	-5.893	-.012	-8.657	12.792	-3.293	-58.296
490.000	-5.507	-.019	-8.553	12.638	-3.071	-56.978
510.762	-5.122	-.021	-8.449	12.484	-2.853	-55.656
531.500	-4.745	-.027	-8.343	12.328	-2.638	-54.497
552.200	-4.373	-.028	-8.237	12.172	-2.428	-53.341
572.900	-4.006	-.034	-8.121	12.000	-2.216	-52.228
593.600	-3.642	-.036	-8.005	11.829	-2.011	-51.114
614.300	-3.285	-.044	-7.873	11.634	-1.805	-49.981
635.039	-2.932	-.046	-7.741	11.439	-1.605	-48.846
655.800	-2.584	-.058	-7.573	11.190	-1.400	-47.526
676.500	-2.242	-.063	-7.405	10.943	-1.204	-46.211
697.200	-1.913	-.071	-7.241	10.699	-1.013	-45.034
717.900	-1.589	-.072	-7.076	10.456	-.830	-43.858
739.539	-1.276	-.066	-6.769	10.002	-.660	-41.875
759.315	-.997	-.050	-6.488	9.588	-.518	-40.061
779.741	-.728	-.069	-5.870	8.674	-.351	-36.240
800.741	-.469	-.063	-5.235	7.735	-.211	-32.312

STRUCTURAL UNIT INERTIA LOADS
SWEEP SYSTEM
VERTICAL AND HORIZONTAL TAIL COMBINED

REPORT LG1US54-12-1
MODEL C-5A
PAGE 3.2.47

STA.	MXPSID	MZPSID	EXPSID	SZPSID	MYPSID	SYCR
386.500	25.950	-1.809	50.619	34.256	20.477	-6.430
407.200	24.413	-1.792	50.516	34.186	19.214	-6.419
424.656	23.119	-1.779	50.429	34.127	18.149	-6.410
424.657	23.118	-1.779	50.429	34.127	18.149	-6.410
427.900	22.880	-1.778	50.385	34.097	17.952	-6.405
448.600	21.371	-1.748	49.332	33.385	16.719	-6.255
469.300	19.882	-1.746	48.280	32.673	15.487	-6.106
490.000	18.419	-1.691	47.188	31.934	14.306	-5.920
510.762	16.973	-1.667	46.093	31.193	13.122	-5.734
531.500	15.584	-1.628	45.134	30.544	11.994	-5.545
552.200	14.217	-1.617	44.176	29.896	10.868	-5.357
572.900	12.883	-1.575	43.254	29.271	9.787	-5.150
593.600	11.566	-1.559	42.332	28.647	8.705	-4.942
614.300	10.290	-1.519	41.393	28.012	7.670	-4.707
635.039	9.029	-1.505	40.453	27.376	6.634	-4.472
655.800	7.796	-1.447	39.360	26.637	5.646	-4.172
676.500	6.587	-1.419	38.271	25.899	4.661	-3.873
697.200	5.436	-1.383	37.297	25.240	3.727	-3.579
717.900	4.303	-1.376	36.322	24.581	2.793	-3.285
739.539	3.217	-1.392	34.680	23.469	1.884	-2.737
759.315	2.252	-1.448	33.178	22.453	1.054	-2.237
779.741	1.315	-1.367	30.013	20.311	.323	-1.134
800.741	.413	-1.375	26.760	18.109	-.429	-.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1USS4-12-1

SWEEP SYSTEM

MODEL C-5A

VERTICAL AND HORIZONTAL TAIL COMBINED

PAGE 3, 2-48

STA.	MXGR	MZGR	SXPR	SZPR	MXPR	MYPR
386.500	1.769	-.430	10.821	-27.462	-4.349	3.721
407.200	1.608	-.429	10.760	-27.354	-4.349	3.431
424.656	1.472	-.428	10.709	-27.262	-4.349	3.189
424.657	1.472	-.428	10.709	-27.262	-4.349	3.189
427.900	1.447	-.428	10.683	-27.214	-4.349	3.146
448.600	1.288	-.425	10.095	-26.078	-4.349	2.857
469.300	1.133	-.425	9.507	-24.942	-4.349	2.604
490.000	.980	-.418	8.922	-23.746	-4.349	2.315
510.762	.830	-.416	8.335	-22.547	-4.349	2.061
531.500	.687	-.410	7.842	-21.482	-4.349	1.819
552.200	.548	-.409	7.350	-20.416	-4.349	1.611
572.900	.415	-.402	6.897	-19.380	-4.349	1.388
593.600	.285	-.400	6.445	-18.342	-4.349	1.197
614.300	.162	-.392	6.004	-17.272	-4.349	.999
635.039	.043	-.390	5.563	-16.199	-4.349	.832
655.800	-.071	-.377	5.072	-14.938	-4.349	.633
676.500	-.179	-.372	4.583	-13.681	-4.349	.473
697.200	-.274	-.364	4.167	-12.542	-4.349	.325
717.900	-.365	-.363	3.751	-11.403	-4.349	.211
739.539	-.434	-.368	3.093	-9.454	-4.349	.149
759.315	-.489	-.385	2.491	-7.671	-4.349	.143
779.741	-.527	-.365	1.263	-3.889	-4.349	.018
800.741	-.548	-.371	-.000	.000	-4.349	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1US54-12-1

SWEEP SYSTEM

MODEL C-5A

VERTICAL AND HORIZONTAL TAIL COMBINED

PAGE 3.2-49

STA.	MZPR	MXPG	MZPG	SYPG
386.500	-1.453	12.032	-4.360	-26.809
407.200	-1.453	11.303	-4.343	-28.685
424.656	-1.453	10.690	-4.330	-28.580
424.657	-1.453	10.690	-4.330	-28.580
427.900	-1.453	10.577	-4.329	-28.526
448.600	-1.453	9.876	-4.299	-27.255
469.300	-1.453	9.195	-4.298	-25.984
490.000	-1.453	8.540	-4.243	-24.666
510.762	-1.453	7.904	-4.219	-23.344
531.500	-1.453	7.325	-4.161	-22.186
552.200	-1.453	6.766	-4.170	-21.029
572.900	-1.453	6.239	-4.128	-19.916
593.600	-1.453	5.731	-4.113	-18.802
614.300	-1.453	5.262	-4.073	-17.669
635.039	-1.453	4.810	-4.059	-16.534
655.800	-1.453	4.387	-4.001	-15.214
676.500	-1.453	3.987	-3.973	-13.899
697.200	-1.453	3.643	-3.938	-12.723
717.900	-1.453	3.318	-3.931	-11.546
739.539	-1.453	3.076	-3.947	-9.563
759.315	-1.453	2.883	-4.004	-7.749
779.741	-1.453	2.743	-3.923	-3.928
800.741	-1.453	2.661	-3.932	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LS1US54-12-1

FOREBODY (GEAR UP)

MODEL C-5A

PAGE 3.2-50

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	SZHZ	MYNZ	MYNX	SZTDO	SXTDO	MYTDO
1106.583	-62.189	-27.826	-.030	-72.073	6.366	-42.942
1064.000	-59.375	-25.451	.033	-71.594	6.237	-39.835
1024.000	-56.732	-23.219	.092	-71.144	6.116	-36.917
984.000	-54.089	-20.988	.151	-70.695	5.994	-33.999
944.000	-51.446	-18.756	.210	-70.245	5.873	-31.080
904.000	-49.322	-16.914	.230	-68.807	5.706	-28.345
864.000	-47.197	-15.071	.251	-67.369	5.540	-25.609
824.000	-45.072	-13.229	.272	-65.931	5.373	-22.874
784.000	-42.947	-11.386	.292	-64.493	5.206	-20.138
744.000	-40.822	-9.543	.313	-63.055	5.039	-17.403
704.000	-38.697	-8.123	.264	-59.810	4.626	-15.033
664.000	-35.277	-6.703	.215	-56.564	4.212	-12.664
624.000	-32.504	-5.283	.166	-53.319	3.798	-10.294
584.000	-29.731	-3.862	.113	-50.074	3.385	-7.925
578.001	-29.315	-3.649	.110	-49.587	3.323	-7.569
578.000	-28.843	-3.720	-.313	-44.741	1.847	-7.480
544.000	-22.561	-3.120	-.297	-39.766	1.568	-6.305
524.000	-20.748	-2.767	-.288	-36.839	1.404	-5.614
517.400	-20.150	-2.651	-.285	-35.373	1.350	-5.386
504.000	-18.935	-2.414	-.279	-33.912	1.240	-4.923
484.000	-17.122	-2.002	-.269	-30.986	1.076	-4.232
464.580	-15.562	-1.719	-.260	-28.144	.917	-3.561
431.210	-12.837	-1.150	-.245	-23.261	.644	-2.403
395.000	-9.055	-.492	-.228	-17.962	.347	-1.157
375.000	-5.234	-.450	-.209	-16.433	.313	-1.058
350.750	-7.350	-.399	-.185	-14.580	.282	-.939
320.000	-6.165	-.335	-.155	-12.229	.236	-.788
303.000	-5.511	-.299	-.139	-10.930	.211	-.704
270.000	-4.231	-.230	-.107	-8.403	.162	-.542
215.000	-2.119	-.115	-.053	-4.204	.081	-.271
160.000	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10554-12-1

FOREBODY (GEAR UP)

MODEL C-5A

PAGE 3.2-51

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MYIDS	MXPD	MZPD	MXPSIDU	MZPSIDU	MXGR
1106.583	-2.383	-2.427	2.981	.099	-42.321	.622
1064.000	-2.614	-2.295	2.725	.111	-39.215	.621
1024.000	-2.361	-2.171	2.484	.123	-36.297	.620
984.000	-2.103	-2.047	2.243	.135	-33.379	.619
944.000	-1.853	-1.923	2.001	.147	-30.462	.619
904.000	-1.623	-1.836	1.782	.159	-27.746	.599
864.000	-1.391	-1.749	1.563	.172	-25.030	.579
824.000	-1.159	-1.661	1.343	.184	-22.315	.559
784.000	-.927	-1.574	1.124	.197	-19.599	.539
744.000	-.695	-1.487	.905	.210	-16.884	.519
704.000	-.462	-1.370	.736	.154	-14.555	.476
664.000	-.470	-1.253	.567	.098	-12.227	.437
624.000	-.357	-1.136	.399	.042	-9.899	.395
584.000	-.241	-1.019	.230	-.014	-7.571	.354
578.001	-.227	-1.001	.205	-.023	-7.221	.348
578.000	-.814	-.825	.232	-.582	-7.299	.181
544.000	-.750	-.707	.191	-.559	-6.147	.158
524.000	-.713	-.638	.166	-.546	-5.470	.144
517.400	-.706	-.615	.158	-.542	-5.246	.140
504.000	-.675	-.568	.142	-.533	-4.792	.131
484.000	-.638	-.499	.118	-.520	-4.115	.117
464.586	-.602	-.451	.094	-.507	-3.457	.104
431.210	-.539	-.316	.054	-.485	-2.327	.081
395.000	-.471	-.190	.010	-.462	-1.101	.056
375.000	-.431	-.174	.009	-.422	-1.007	.052
350.750	-.383	-.154	.008	-.375	-.893	.046
320.000	-.321	-.129	.007	-.314	-.749	.036
303.000	-.287	-.116	.006	-.281	-.670	.034
270.000	-.221	-.083	.005	-.216	-.515	.026
215.000	-.110	-.044	.002	-.108	-.258	.013
160.000	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10054-12-1

FOREBODY (GEAR UP)

MODEL C-5A

PAGE 3.2-52

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MYPR	MZPQ
1106.583	39.894	-40.516
1064.000	36.920	-37.541
1024.000	34.125	-34.746
984.000	31.332	-31.951
944.000	28.538	-29.157
904.000	25.910	-26.509
864.000	23.232	-23.861
824.000	20.654	-21.213
784.000	18.025	-18.564
744.000	15.397	-15.916
704.000	13.136	-13.664
664.000	10.974	-11.411
624.000	8.763	-9.158
584.000	6.552	-6.906
578.001	6.220	-6.568
578.000	6.474	-6.655
544.000	5.440	-5.598
524.000	4.632	-4.977
517.400	4.632	-4.771
504.000	4.224	-4.355
484.000	3.615	-3.733
464.580	3.025	-3.130
431.210	2.011	-2.093
395.000	.911	-.907
375.000	.333	-.385
350.750	.739	-.735
320.000	.621	-.658
303.000	.534	-.588
270.000	.425	-.453
215.000	.213	-.226
160.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10554-12-1

FOREBODY (GEAR DOWN)

MODEL C-5A

PAGE 3.2-53

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	SZMZ	MYNZ	MYNX	SZTOD	SXTOD	MYTOD
1106.583	-62.189	-27.894	.059	-72.249	6.596	-43.191
1064.000	-59.375	-25.519	.122	-71.770	6.467	-40.076
1024.000	-56.732	-23.287	.181	-71.320	6.346	-37.151
984.000	-54.089	-21.056	.240	-70.871	6.225	-34.225
944.000	-51.446	-18.824	.299	-70.421	6.103	-31.300
904.000	-49.322	-16.982	.319	-68.983	5.937	-28.558
864.000	-47.197	-15.139	.340	-67.545	5.770	-25.815
824.000	-45.072	-13.297	.360	-66.107	5.603	-23.072
784.000	-42.947	-11.454	.381	-64.669	5.436	-20.330
744.000	-40.822	-9.611	.402	-63.231	5.270	-17.587
704.000	-38.049	-8.191	.353	-59.986	4.856	-15.211
664.000	-35.277	-6.771	.304	-56.740	4.442	-12.834
624.000	-32.504	-5.351	.255	-53.495	4.029	-10.458
584.000	-29.731	-3.930	.206	-50.250	3.615	-8.081
578.001	-29.315	-3.717	.199	-49.763	3.553	-7.725
578.000	-25.643	-3.720	-.313	-44.741	1.847	-7.480
544.000	-22.561	-3.120	-.297	-39.766	1.568	-6.305
524.000	-20.748	-2.767	-.288	-36.839	1.404	-5.614
517.400	-20.150	-2.651	-.285	-35.873	1.350	-5.386
504.000	-18.935	-2.414	-.279	-33.912	1.240	-4.923
484.000	-17.122	-2.062	-.269	-30.986	1.076	-4.232
464.580	-15.362	-1.719	-.260	-28.144	.917	-3.561
431.210	-12.337	-1.130	-.245	-23.261	.644	-2.408
395.000	-9.055	-.492	-.228	-17.962	.347	-1.157
375.000	-8.284	-.450	-.209	-16.433	.318	-1.058
350.750	-7.350	-.399	-.185	-14.580	.282	-.939
320.000	-6.165	-.335	-.155	-12.229	.236	-.788
303.000	-5.510	-.299	-.139	-10.930	.211	-.704
270.000	-4.238	-.230	-.107	-8.408	.162	-.542
215.000	-2.119	-.115	-.053	-4.204	.081	-.271
160.000	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10S54-12-1

FOREBODY (GEAR DOWN)

MODEL C-5A

PAGE 3.2-54

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. N.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. N.L. 265.000

STA.	MYDS	MXPD	MZPD	MXPSIDD	MZPSIDD	MXGR
1106.583	-2.890	-2.501	3.131	.241	-42.494	.696
1064.000	-2.611	-2.369	2.864	.253	-39.381	.695
1024.000	-2.349	-2.246	2.614	.265	-36.456	.695
984.000	-2.087	-2.122	2.384	.277	-33.532	.694
944.000	-1.825	-1.998	2.113	.289	-30.607	.693
904.000	-1.583	-1.910	1.885	.302	-27.884	.673
864.000	-1.342	-1.823	1.656	.314	-25.162	.653
824.000	-1.101	-1.736	1.428	.327	-22.439	.634
784.000	-.860	-1.648	1.199	.339	-19.716	.614
744.000	-.619	-1.561	.971	.352	-16.994	.594
704.000	-.497	-1.444	.793	.296	-14.658	.553
664.000	-.375	-1.327	.615	.240	-12.323	.511
624.000	-.253	-1.210	.437	.184	-9.988	.470
584.000	-.131	-1.093	.259	.128	-7.652	.429
578.001	-.113	-1.076	.232	.120	-7.302	.423
578.000	-.814	-.825	.232	-.582	-7.299	.181
544.000	-.750	-.707	.191	-.559	-6.147	.158
524.000	-.713	-.638	.166	-.546	-5.470	.144
517.400	-.700	-.615	.158	-.542	-5.246	.140
504.000	-.675	-.568	.142	-.533	-4.792	.131
484.000	-.638	-.499	.118	-.520	-4.115	.117
464.580	-.602	-.431	.094	-.507	-3.457	.104
431.210	-.539	-.316	.054	-.485	-2.327	.081
395.000	-.471	-.190	.010	-.462	-1.101	.056
375.000	-.431	-.174	.009	-.422	-1.007	.052
350.750	-.383	-.154	.008	-.375	-.893	.046
320.000	-.321	-.129	.007	-.314	-.749	.038
303.000	-.287	-.116	.006	-.281	-.670	.034
270.000	-.221	-.089	.005	-.216	-.515	.026
215.000	-.110	-.044	.002	-.108	-.258	.013
160.000	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1US54-12-1

FOREBODY (GEAR DOWN)

MODEL C-5A

PAGE 3.2-55

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MYPR	MZPG
1106.583	39.993	-40.689
1064.000	37.012	-37.707
1024.000	34.211	-34.905
984.000	31.410	-32.104
944.000	28.609	-29.302
904.000	25.974	-26.647
864.000	23.339	-23.992
824.000	20.703	-21.337
784.000	18.068	-18.682
744.000	15.433	-16.026
704.000	13.214	-13.767
664.000	10.996	-11.507
624.000	8.777	-9.247
584.000	6.559	-6.988
578.001	6.226	-6.649
578.000	6.474	-6.655
544.000	5.440	-5.598
524.000	4.832	-4.977
517.400	4.632	-4.771
504.000	4.224	-4.355
484.000	3.616	-3.733
464.580	3.026	-3.130
431.210	2.011	-2.093
395.000	.911	-.967
375.000	.833	-.885
350.750	.739	-.785
320.000	.620	-.658
303.000	.554	-.588
270.000	.426	-.453
215.000	.213	-.226
160.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1UG54-12-1

AFTBODY (GEAR UP)

MODEL C-5A

PAGE 3.2-57

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MYTDS	MXPD	MZPD	MXPSID	MZPSID	SrQR
1106.584	6.809	-6.775	-7.901	-1.091	-139.768	24.354
1148.000	5.843	-6.651	-6.921	-1.078	-132.670	23.873
1188.000	4.910	-6.531	-5.975	-1.064	-125.814	23.409
1231.051	3.906	-6.403	-4.956	-1.050	-118.436	22.909
1268.160	3.171	-6.216	-4.144	-.973	-112.134	22.146
1303.160	2.477	-6.039	-3.378	-.901	-106.191	21.430
1343.160	1.684	-5.838	-2.502	-.818	-99.399	20.610
1343.161	2.692	-4.708	-2.507	.185	-98.896	14.814
1347.000	2.658	-4.685	-2.460	.197	-98.325	14.734
1383.160	2.331	-4.469	-2.017	.314	-92.954	13.973
1418.160	2.015	-4.260	-1.589	.427	-87.755	13.236
1453.160	1.699	-4.050	-1.160	.539	-82.556	12.500
1488.160	1.383	-3.841	-.731	.652	-77.357	11.763
1523.160	1.067	-3.631	-.302	.765	-72.158	11.026
1552.660	.801	-3.455	.059	.860	-67.776	10.406
1563.160	.706	-3.392	.188	.894	-66.216	10.185
1563.161	2.649	-2.263	.190	2.839	-65.699	4.388
1573.660	2.668	-2.212	.224	2.893	-64.520	4.186
1603.160	2.723	-2.071	.321	3.044	-61.208	3.617
1638.160	2.788	-1.903	.435	3.223	-57.278	2.941
1638.161	2.788	-1.903	.435	3.223	-57.278	2.941
1675.270	2.856	-1.725	.557	3.413	-53.111	2.226
1724.000	2.918	-1.591	.632	3.551	-48.303	1.738
1764.000	2.969	-1.481	.695	3.664	-44.356	1.338
1804.000	3.020	-1.371	.757	3.777	-40.409	.938
1844.000	3.101	-1.276	.766	3.867	-37.022	.614
1884.000	3.182	-1.181	.776	3.958	-33.634	.290
1924.000	3.263	-1.086	.786	4.049	-30.247	-.035
1964.000	3.344	-.991	.795	4.139	-26.859	-.359
1970.600	3.358	-.975	.797	4.154	-26.300	-.412
1984.184	3.385	-.943	.800	4.185	-25.150	-.522
2004.000	3.410	-.896	.781	4.191	-23.932	-.654
2044.000	3.460	-.801	.742	4.202	-21.474	-.919
2084.000	3.510	-.706	.704	4.214	-19.015	-1.183
2131.000	3.569	-.594	.658	4.228	-16.127	-1.495
2166.980	3.615	-.509	.623	4.238	-13.915	-1.733
2209.338	3.497	-.467	.555	4.051	-12.250	-1.679
2273.001	3.319	-.404	.452	3.771	-9.748	-1.597
2339.283	3.135	-.339	.344	3.479	-7.143	-1.512
2361.379	3.011	-.319	.316	3.327	-6.531	-1.446
2405.667	2.763	-.280	.259	3.022	-5.304	-1.312
2427.864	2.639	-.260	.230	2.870	-4.690	-1.245
2450.058	2.515	-.240	.202	2.717	-4.075	-1.178
2472.253	2.391	-.220	.173	2.564	-3.460	-1.110
2538.800	2.004	-.173	.104	2.108	-2.097	-.917
2538.801	2.004	-.173	.104	2.108	-2.097	-.917
2735.195	.991	-.086	.052	1.043	-1.037	-.454
2927.400	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1UC54-12-1

AFTBODY (GEAR UP)

MODEL C-54

PAGE 3.2-58

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MXQR	MZQR	SZPR	MXPR	MYPR	MZPR
1106.584	.308	7.901	-170.230	.000	132.994	-.000
1148.000	.312	6.921	-169.803	.000	126.019	-.000
1188.000	.317	5.975	-169.390	.000	119.233	-.000
1231.051	.321	4.956	-168.946	.000	112.033	-.000
1268.160	.343	4.144	-167.309	.000	105.919	-.000
1303.160	.363	3.378	-165.765	.000	100.152	-.000
1343.160	.386	2.502	-164.000	.000	93.562	-.000
1343.161	.224	2.507	-154.923	.000	94.187	-.000
1347.000	.225	2.460	-154.556	.000	93.640	-.000
1383.160	.232	2.017	-151.101	.000	88.495	-.000
1418.160	.238	1.589	-147.757	.000	83.495	-.000
1453.160	.244	1.160	-144.412	.000	78.506	-.000
1488.160	.251	.731	-141.068	.000	73.516	-.000
1523.160	.257	.302	-137.724	.000	68.526	-.000
1552.660	.262	-.059	-134.905	.000	64.321	-.000
1563.160	.264	-.188	-133.902	.000	62.824	-.000
1563.161	.102	-.190	-116.303	.000	63.436	-.000
1573.660	.104	-.224	-115.062	.000	62.308	-.000
1603.160	.107	-.321	-111.574	.000	59.137	-.000
1638.160	.112	-.435	-107.436	.000	55.375	-.000
1638.161	.112	-.435	-107.436	.000	55.375	-.000
1675.270	.116	-.557	-103.048	.000	51.387	-.000
1724.000	.115	-.632	-98.814	.000	46.712	-.000
1764.000	.114	-.695	-95.339	.000	42.875	-.000
1804.000	.112	-.757	-91.863	.000	39.038	-.000
1844.000	.111	-.766	-87.712	.000	35.746	-.000
1884.000	.109	-.776	-83.561	.000	32.453	-.000
1924.000	.108	-.786	-79.410	.000	29.161	-.000
1964.000	.106	-.795	-75.259	.000	25.869	-.000
1970.600	.106	-.797	-74.574	.000	25.325	-.000
1984.184	.105	-.800	-73.164	.000	24.207	-.000
2004.000	.107	-.781	-70.049	.000	23.036	-.000
2044.000	.111	-.742	-63.759	.000	20.673	-.000
2084.000	.114	-.704	-57.469	.000	18.310	-.000
2131.000	.119	-.658	-50.079	.000	15.532	-.000
2166.980	.122	-.623	-44.422	.000	13.407	-.000
2209.338	.127	-.555	-41.309	.000	11.793	-.000
2273.001	.135	-.452	-36.630	.000	9.344	-.000
2339.283	.143	-.344	-31.758	.000	6.804	-.000
2361.379	.140	-.316	-30.115	.000	6.211	-.000
2405.667	.132	-.259	-26.822	.000	5.024	-.000
2427.864	.128	-.230	-25.171	.000	4.429	-.000
2450.058	.124	-.202	-23.521	.000	3.835	-.000
2472.253	.120	-.173	-21.870	.000	3.240	-.000
2538.800	.108	-.104	-17.257	.000	1.924	-.000
2538.801	.108	-.104	-17.256	.000	1.924	.000
2735.193	.053	-.052	-8.535	.000	.952	.000
2927.400	.000	-.000	-.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10554-12-1

AFTBODY (GEAR UP)

MODEL C-5A

PAGE 3.2-59

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MXPQ	MZPQ
1106.584	-1.091	-133.301
1148.000	-1.078	-126.331
1188.000	-1.064	-119.599
1231.051	-1.050	-112.354
1266.160	-.973	-106.262
1303.160	-.901	-100.515
1343.160	-.818	-93.948
1343.161	.185	-94.412
1347.000	.197	-93.865
1383.160	.314	-88.717
1418.160	.427	-83.733
1453.160	.539	-78.750
1488.160	.652	-73.767
1523.160	.765	-68.783
1552.660	.860	-64.583
1563.160	.894	-63.088
1563.161	2.839	-63.539
1573.660	2.893	-62.411
1603.160	3.044	-59.244
1638.160	3.223	-55.487
1638.161	3.223	-55.487
1675.270	3.413	-51.503
1724.000	3.551	-46.827
1764.000	3.664	-42.989
1804.000	3.777	-39.151
1844.000	3.867	-35.857
1884.000	3.958	-32.563
1924.000	4.049	-29.269
1964.000	4.139	-25.975
1970.600	4.154	-25.431
1984.184	4.185	-24.313
2004.000	4.191	-23.144
2044.000	4.202	-20.784
2084.000	4.214	-18.424
2131.000	4.228	-15.651
2166.980	4.238	-13.528
2209.338	4.051	-11.910
2273.001	3.771	-9.479
2339.283	3.479	-6.947
2361.379	3.327	-6.351
2405.667	3.022	-5.156
2427.864	2.870	-4.557
2450.058	2.717	-3.958
2472.253	2.564	-3.359
2538.800	2.108	-2.031
2538.801	2.108	-2.031
2735.193	1.043	-1.005
2927.400	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1US54-12-1

AFTBODY (GEAR DOWN)

MODEL C-54

PAGE 3.2-60

LOAD AXIS ORIGIN F.S. 1100.583 S.L. 0. A.L. 225.000
 ROTATIONAL AXIS ORIGIN F.S. 1100.583 S.L. 0. A.L. 225.000

STA.	SEN2	MYNZ	MYNX	SZTDC	SATDC	MYTDC
1100.584	-121.149	65.701	5.518	170.172	26.842	-140.833
1148.000	-118.876	60.827	5.431	169.745	26.361	-133.742
1188.000	-116.288	56.119	5.347	169.332	25.897	-126.892
1231.051	-113.718	51.051	5.257	168.888	25.397	-119.521
1268.160	-110.329	47.001	5.098	167.251	24.636	-113.243
1303.160	-107.133	43.181	4.949	165.707	23.918	-107.322
1343.160	-103.480	38.815	4.779	163.942	23.090	-100.556
1343.161	-68.612	38.841	2.655	154.900	16.058	-99.502
1347.000	-68.199	38.548	2.641	154.533	15.978	-98.932
1383.160	-64.368	35.786	2.503	151.076	15.217	-93.568
1418.160	-60.542	33.113	2.369	147.734	14.480	-88.376
1453.160	-76.775	30.441	2.235	144.389	13.744	-83.184
1488.160	-73.009	27.768	2.102	141.048	13.007	-77.993
1523.160	-69.242	25.095	1.968	137.701	12.271	-72.801
1552.660	-66.068	22.842	1.855	134.882	11.650	-68.425
1583.160	-64.938	22.040	1.815	133.879	11.429	-66.867
1583.161	-50.067	22.044	-0.309	116.303	4.388	-65.801
1573.660	-49.131	21.571	-0.349	115.062	4.186	-64.624
1603.160	-46.500	20.244	-0.464	111.574	3.617	-61.315
1638.160	-43.378	18.669	-0.599	107.436	2.941	-57.390
1638.161	-43.378	18.669	-0.599	107.436	2.941	-57.390
1675.270	-40.069	16.999	-0.743	103.048	2.226	-53.228
1724.000	-37.470	15.224	-0.828	98.814	1.738	-48.418
1764.000	-35.037	13.768	-0.897	95.339	1.338	-44.470
1804.000	-33.203	12.311	-0.966	91.863	.938	-40.521
1844.000	-31.184	11.132	-1.010	87.712	.614	-37.132
1884.000	-29.165	9.993	-1.055	83.561	.290	-33.743
1924.000	-27.146	8.834	-1.099	79.410	-.035	-30.354
1964.000	-25.126	7.676	-1.144	75.259	-.359	-26.965
1970.600	-24.793	7.485	-1.151	74.574	-.412	-26.406
1984.184	-24.106	7.091	-1.166	73.164	-.522	-25.255
2004.000	-22.873	6.716	-1.187	70.049	-.654	-24.039
2044.000	-20.386	5.964	-1.170	63.759	-.919	-21.584
2084.000	-17.898	5.210	-1.173	57.469	-1.183	-19.130
2131.000	-14.974	4.324	-1.176	50.079	-1.495	-16.245
2185.980	-12.735	3.646	-1.179	44.422	-1.733	-14.037
2209.338	-11.693	3.189	-1.116	41.309	-1.679	-12.377
2273.001	-10.127	2.503	-1.022	36.630	-1.597	-9.883
2339.283	-8.496	1.788	-.924	31.758	-1.512	-7.286
2381.379	-8.010	1.630	-.879	30.115	-1.446	-6.670
2405.667	-7.035	1.314	-.788	26.822	-1.312	-5.436
2427.884	-6.546	1.155	-.742	25.171	-1.245	-4.817
2450.058	-6.058	.997	-.697	23.521	-1.178	-4.198
2472.253	-5.569	.838	-.651	21.870	-1.110	-3.580
2538.800	-4.304	.498	-.526	17.257	-.917	-2.205
2538.801	-4.304	.498	-.526	17.256	-.917	-2.205
2735.193	-2.129	.247	-.260	8.535	-.454	-1.090
2927.400	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10SE4-12-1

AFTBODY (GEAR DOWN)

MODEL C-5A

PAGE 3, 2-61

LOAD AXIS ORIGIN F.S. 1100.585 E.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1100.585 E.L. 0. W.L. 265.000

STA.	MYTDS	MAXPD	WZPD	MAXPSID	MAXPSID	SYMR
1106.524	6.807	-8.493	-8.753	-1.946	-140.630	26.242
1140.000	5.738	-8.369	-7.671	-1.933	-133.534	26.361
1180.000	4.706	-8.250	-6.625	-1.919	-126.681	26.297
1231.051	3.594	-8.121	-5.500	-1.905	-119.305	25.397
1268.160	2.767	-7.934	-4.595	-1.828	-113.006	24.636
1303.160	1.926	-7.757	-3.741	-1.756	-107.065	23.918
1340.160	1.093	-7.556	-2.766	-1.673	-100.275	23.098
1343.161	2.397	-5.867	-2.779	-.382	-99.330	18.052
1347.000	2.357	-5.544	-2.727	-.369	-98.759	18.978
1383.160	1.986	-5.328	-2.239	-.253	-93.389	15.217
1418.160	1.627	-5.119	-1.766	-.140	-88.191	14.480
1453.160	1.267	-4.909	-1.294	-.027	-82.992	13.744
1458.160	.907	-4.700	-.822	.066	-77.794	13.007
1523.160	.548	-4.491	-.349	.198	-72.596	12.271
1552.660	.245	-4.314	.049	.294	-68.214	11.650
1563.160	.137	-4.251	.190	.327	-66.655	11.429
1563.161	2.649	-2.263	.190	2.839	-65.699	4.388
1573.660	2.668	-2.212	.224	2.893	-64.520	4.186
1603.160	2.723	-2.071	.321	3.044	-61.208	3.617
1638.160	2.788	-1.903	.435	3.223	-57.278	2.941
1638.161	2.788	-1.903	.435	3.223	-57.278	2.941
1675.270	2.856	-1.725	.557	3.413	-53.111	2.226
1724.000	2.918	-1.591	.632	3.551	-48.303	1.738
1764.000	2.969	-1.481	.695	3.664	-44.356	1.338
1804.000	3.020	-1.371	.757	3.777	-40.409	.938
1844.000	3.101	-1.276	.766	3.867	-37.022	.614
1884.000	3.182	-1.181	.776	3.958	-33.634	.290
1924.000	3.263	-1.086	.766	4.049	-30.247	-.035
1964.000	3.344	-.991	.795	4.139	-26.659	-.359
1970.600	3.358	-.975	.797	4.154	-26.300	-.412
1984.184	3.365	-.943	.800	4.185	-25.150	-.522
2004.000	3.410	-.896	.781	4.191	-23.932	-.654
2044.000	3.460	-.801	.742	4.202	-21.474	-.919
2084.000	3.510	-.706	.704	4.214	-19.015	-1.183
2131.000	3.569	-.594	.658	4.228	-16.127	-1.455
2166.980	3.615	-.509	.623	4.236	-13.915	-1.733
2209.338	3.497	-.467	.555	4.051	-12.250	-1.679
2273.001	3.319	-.404	.452	3.771	-9.748	-1.597
2339.283	3.135	-.339	.344	3.479	-7.143	-1.512
2361.379	3.011	-.319	.316	3.327	-6.531	-1.446
2405.667	2.763	-.280	.259	3.022	-5.304	-1.312
2427.664	2.639	-.260	.230	2.870	-4.690	-1.245
2450.058	2.515	-.240	.202	2.717	-4.075	-1.172
2472.253	2.391	-.220	.173	2.564	-3.460	-1.110
2538.800	2.004	-.173	.104	2.108	-2.097	-.917
2538.801	2.004	-.173	.104	2.108	-2.097	-.917
2735.193	.991	-.086	.062	1.043	-1.037	-.454
2927.400	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT LG1USE4-12-1

AFTBODY (GEAR DOWN)

MODEL C-5A

PAGE 3.2-62

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. A.L. 285.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. A.L. 285.000

STA.	MXCR	MZCR	SZPR	MYPR	MYPR	ZPR
1106.584	.203	6.753	-170.172	.000	132.137	-.000
1148.000	.207	7.671	-169.745	.000	125.165	-.000
1188.000	.212	6.625	-169.332	.000	118.431	-.000
1231.051	.216	5.500	-168.888	.000	111.184	-.000
1262.160	.238	4.595	-167.251	.000	105.072	-.000
1303.160	.258	3.741	-165.707	.000	99.307	-.000
1343.160	.281	2.766	-163.942	.000	92.719	-.000
1343.161	.172	2.779	-154.900	.000	93.762	-.000
1347.000	.173	2.727	-154.533	.000	93.215	-.000
1383.160	.179	2.239	-151.073	.000	88.061	-.000
1418.160	.186	1.766	-147.734	.000	83.072	-.000
1453.160	.192	1.294	-144.389	.000	78.083	-.000
1488.160	.199	.822	-141.045	.000	73.094	-.000
1523.160	.205	.349	-137.701	.000	68.105	-.000
1552.660	.210	-.049	-134.862	.000	63.900	-.000
1583.160	.212	-.190	-133.879	.000	62.404	-.000
1583.161	.102	-.190	-116.303	.000	63.436	-.000
1573.660	.104	-.224	-115.062	.000	62.308	-.000
1603.160	.107	-.321	-111.374	.000	59.137	-.000
1638.160	.112	-.435	-107.436	.000	55.375	-.000
1638.161	.112	-.435	-107.436	.000	55.375	-.000
1675.270	.116	-.557	-103.048	.000	51.387	-.000
1724.000	.115	-.632	-98.814	.000	46.712	-.000
1764.000	.114	-.695	-95.339	.000	42.875	-.000
1804.000	.112	-.757	-91.863	.000	39.038	-.000
1844.000	.111	-.786	-87.712	.000	35.746	-.000
1884.000	.109	-.776	-83.561	.000	32.453	-.000
1924.000	.108	-.786	-79.410	.000	29.161	-.000
1964.000	.106	-.795	-75.259	.000	26.869	-.000
1970.800	.106	-.797	-74.574	.000	25.325	-.000
1984.184	.105	-.800	-73.164	.000	24.207	-.000
2004.000	.107	-.781	-70.349	.000	23.036	-.000
2044.000	.111	-.742	-63.759	.000	20.673	-.000
2084.000	.114	-.704	-57.469	.000	18.310	-.000
2131.000	.119	-.658	-50.079	.000	15.532	-.000
2166.980	.122	-.625	-44.422	.000	13.407	-.000
2209.338	.127	-.555	-41.309	.000	11.793	-.000
2273.001	.135	-.452	-36.830	.000	9.344	-.000
2339.283	.143	-.344	-31.758	.000	6.804	-.000
2361.379	.140	-.316	-30.115	.000	6.211	-.000
2405.667	.132	-.259	-26.822	.000	5.024	-.000
2427.864	.126	-.230	-25.171	.000	4.429	-.000
2450.058	.124	-.202	-23.521	.000	3.835	-.000
2472.253	.120	-.173	-21.870	.000	3.240	-.000
2538.800	.108	-.104	-17.257	.000	1.924	-.000
2538.801	.108	-.104	-17.256	.000	1.924	.000
2735.193	.053	-.052	-8.535	.000	.952	.000
2927.400	.000	-.000	-.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS

REPORT CG1US54-12-1

APPLY (GEAR DOWN)

MODEL C-5A

PAGE 3.2-63

LOAD AXIS ORIGIN F.S. 1100.583 H.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1100.583 H.L. 0. W.L. 225.000

STA.	MAPC	MZPC
1100.584	-1.946	-132.340
1148.000	-1.933	-125.372
1168.000	-1.919	-113.643
1231.051	-1.905	-111.400
1268.160	-1.828	-105.309
1303.160	-1.756	-99.566
1343.160	-1.673	-93.000
1343.161	-.582	-93.934
1347.000	-.369	-93.388
1383.160	-.253	-88.240
1418.160	-.140	-83.258
1453.160	-.027	-78.275
1488.160	.086	-73.293
1523.160	.198	-68.310
1552.660	.294	-64.110
1563.160	.327	-62.616
1563.161	2.839	-63.539
1573.660	2.893	-62.411
1603.160	3.044	-59.244
1638.160	3.223	-55.487
1638.161	3.223	-55.487
1675.270	3.413	-51.503
1724.000	3.551	-46.827
1764.000	3.664	-42.989
1804.000	3.777	-39.151
1844.000	3.867	-35.857
1884.000	3.958	-32.563
1924.000	4.049	-29.269
1964.000	4.139	-25.975
1970.600	4.154	-25.431
1984.184	4.185	-24.313
2004.000	4.191	-23.144
2044.000	4.202	-20.784
2084.000	4.214	-18.424
2131.000	4.228	-15.651
2166.980	4.238	-13.526
2209.338	4.051	-11.910
2273.001	3.771	-9.479
2339.283	3.479	-6.947
2361.379	3.327	-6.351
2405.667	3.022	-5.156
2427.864	2.870	-4.557
2460.058	2.717	-3.958
2472.253	2.564	-3.359
2538.800	2.108	-2.031
2538.801	2.108	-2.031
2735.193	1.043	-1.005
2927.400	.000	.000

STRUCTURAL UNIT INERTIA LOADS
AFTBODY INCLUDING EMPENNAGE (GEAR UP)

REPORT LS10554-12-1
MODEL C-5A
PAGE 3,2-64

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	SZNZ	MYNZ	MYNX	SZTD	SXTD	MYTD
1106.584	-134.621	39.993	-2.071	231.351	8.584	-258.760
1148.000	-132.148	84.560	-2.157	230.923	8.103	-249.134
1188.000	-129.762	79.313	-2.241	230.511	7.639	-239.838
1231.051	-127.189	73.666	-2.331	230.067	7.139	-229.833
1268.160	-123.301	69.116	-2.490	223.429	6.378	-221.285
1303.160	-120.504	64.824	-2.639	226.885	5.660	-213.223
1343.160	-116.952	59.919	-2.809	225.121	4.340	-204.009
1343.161	-102.084	59.932	-4.452	216.043	-.956	-203.343
1347.000	-101.671	59.587	-4.467	215.677	-1.037	-202.539
1383.160	-97.773	56.358	-4.605	212.221	-1.797	-194.964
1418.160	-94.013	53.194	-4.739	208.877	-2.534	-187.632
1453.160	-90.246	50.050	-4.873	205.533	-3.271	-180.300
1488.160	-86.480	46.905	-5.006	202.189	-4.007	-172.968
1523.160	-82.714	43.761	-5.140	198.844	-4.744	-165.637
1552.660	-79.533	41.110	-5.253	196.025	-5.364	-159.457
1563.160	-78.409	40.167	-5.293	195.022	-5.585	-157.257
1563.161	-63.532	40.162	-6.936	177.423	-11.382	-156.578
1573.660	-62.602	39.548	-6.977	176.182	-11.585	-154.759
1603.160	-59.971	37.823	-7.091	172.694	-12.154	-149.647
1638.160	-56.850	35.777	-7.227	168.556	-12.829	-143.583
1638.161	-56.349	35.777	-7.227	168.556	-12.829	-143.583
1675.270	-53.541	33.607	-7.371	164.169	-13.544	-137.153
1724.000	-50.941	31.176	-7.455	159.935	-14.032	-129.364
1764.000	-48.606	29.180	-7.524	156.459	-14.432	-122.971
1804.000	-46.674	27.185	-7.593	152.984	-14.832	-116.575
1844.000	-44.655	25.487	-7.638	148.833	-15.156	-110.744
1884.000	-42.635	23.789	-7.682	144.682	-15.480	-104.910
1924.000	-40.617	22.092	-7.727	140.531	-15.805	-99.077
1964.000	-38.598	20.394	-7.771	136.380	-16.129	-93.243
1970.600	-38.266	20.114	-7.778	135.695	-16.132	-92.280
1984.184	-37.573	19.538	-7.793	134.285	-16.292	-90.299
2004.000	-36.346	18.897	-7.795	131.169	-16.424	-87.872
2044.000	-33.857	17.605	-7.798	124.879	-16.689	-82.972
2084.000	-31.369	16.312	-7.800	118.590	-16.954	-78.075
2131.000	-28.445	14.793	-7.804	111.200	-17.265	-72.316
2160.980	-26.207	13.630	-7.806	105.542	-17.503	-67.908
2209.336	-25.165	12.603	-7.743	102.429	-17.449	-63.660
2273.001	-23.593	11.059	-7.649	97.750	-17.367	-57.274
2339.283	-21.966	9.451	-7.551	92.879	-17.232	-50.626
2361.379	-21.481	8.995	-7.506	91.236	-17.216	-48.660
2405.667	-20.505	8.082	-7.415	87.942	-17.092	-44.718
2427.864	-20.013	7.625	-7.370	86.292	-17.015	-42.743
2450.056	-19.523	7.167	-7.324	84.641	-16.948	-40.768
2472.253	-19.043	6.710	-7.279	82.991	-16.881	-38.793
2536.800	-17.775	5.474	-7.154	78.377	-16.688	-33.351
2536.801	-4.304	.496	-.526	17.256	-.317	-2.205
2735.193	-2.123	.247	-.260	8.535	-.454	-1.090
2927.400	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS
AFTBODY INCLUDING EMPENNAGE (GEAR UP)

REPORT LG10554-12-1
MODEL C-5A
PAGE 3-2-65

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	NYTUS	MXPD	MZPD	MXPSID	MZPSID	SYOR
1106.584	8.468	-15.508	20.788	29.257	-250.312	17.925
1148.000	8.156	-15.384	21.115	29.270	-241.192	17.444
1186.000	7.854	-15.264	21.430	29.284	-231.881	16.979
1231.051	7.529	-15.136	21.770	29.298	-221.871	16.479
1268.160	7.374	-14.949	21.997	29.375	-213.302	15.718
1303.160	7.236	-14.772	22.211	29.447	-205.220	15.000
1343.160	7.074	-14.570	22.456	29.530	-195.983	14.180
1343.161	8.082	-13.441	22.451	30.533	-195.479	8.385
1347.000	8.108	-13.418	22.437	30.545	-194.674	8.304
1383.160	8.352	-13.202	22.310	30.662	-187.093	7.543
1418.160	8.538	-12.942	22.187	30.775	-179.754	6.806
1453.160	8.824	-12.783	22.064	30.888	-172.416	6.070
1488.160	9.060	-12.574	21.940	31.000	-165.078	5.333
1523.160	9.296	-12.364	21.817	31.113	-157.739	4.597
1552.660	9.495	-12.188	21.714	31.208	-151.554	3.976
1563.160	9.565	-12.125	21.677	31.242	-149.353	3.755
1563.161	11.503	-10.995	21.679	33.187	-148.836	-2.042
1573.660	11.693	-10.945	21.548	33.241	-147.015	-2.244
1603.160	12.213	-10.803	21.179	33.392	-141.900	-2.813
1638.160	12.330	-10.636	20.741	33.571	-135.831	-3.488
1638.161	12.630	-10.636	20.741	33.571	-135.831	-3.488
1675.270	13.484	-10.458	20.278	33.761	-129.396	-4.204
1724.000	14.314	-10.324	19.585	33.899	-121.609	-4.691
1764.000	14.995	-10.213	19.016	34.012	-115.217	-5.092
1804.000	15.573	-10.103	18.447	34.125	-108.826	-5.492
1844.000	16.390	-10.003	17.826	34.216	-102.993	-5.816
1884.000	17.101	-9.914	17.205	34.306	-97.151	-6.140
1924.000	17.613	-9.819	16.584	34.397	-91.329	-6.464
1964.000	18.525	-9.724	15.963	34.483	-85.497	-6.789
1970.600	18.642	-9.708	15.360	34.503	-84.534	-6.842
1984.184	18.684	-9.676	15.649	34.533	-82.554	-6.952
2004.000	19.223	-9.629	15.318	34.539	-80.125	-7.083
2044.000	19.903	-9.534	14.648	34.551	-75.221	-7.348
2084.000	20.584	-9.439	13.979	34.562	-70.318	-7.613
2131.000	21.384	-9.327	13.192	34.576	-64.557	-7.924
2166.980	21.995	-9.242	12.590	34.586	-60.146	-8.163
2209.338	22.545	-9.200	11.853	34.399	-55.892	-8.109
2273.001	23.373	-9.137	10.746	34.119	-49.499	-8.027
2339.283	24.234	-9.072	9.593	33.827	-42.843	-7.942
2361.379	24.454	-9.052	9.216	33.675	-40.880	-7.875
2405.667	24.909	-9.013	8.461	33.370	-36.947	-7.741
2427.864	25.135	-8.993	8.082	33.213	-34.975	-7.674
2450.053	25.361	-8.973	7.704	33.065	-33.004	-7.607
2472.253	25.587	-8.953	7.325	32.912	-31.033	-7.540
2538.300	25.251	-8.906	6.207	32.457	-25.602	-7.347
2538.801	2.001	-1.173	.104	2.103	-2.997	-.917
2735.193	.991	-.000	.052	1.043	-1.037	-.454
2927.400	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS
AFTBODY INCLUDING EMPENNAGE (GEAR UP)

REPORT LG10554-12-1
MODEL C-5A
PAGE 3.2-66

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MXGR	MZGR	SZPR	MXPR	MYPR	MZPR
1106.584	2.570	-3.441	-199.039	-4.417	180.454	1.234
1148.000	2.575	-4.154	-198.611	-4.417	172.287	1.234
1188.000	2.579	-4.843	-198.199	-4.417	164.399	1.234
1231.051	2.584	-5.585	-197.755	-4.417	155.908	1.234
1268.160	2.505	-6.159	-196.113	-4.417	148.725	1.234
1303.160	2.625	-6.700	-194.574	-4.417	141.950	1.234
1343.160	2.649	-7.319	-192.809	-4.417	134.207	1.234
1343.161	2.487	-7.313	-183.732	-4.417	134.833	1.234
1347.000	2.487	-7.336	-133.365	-4.417	134.175	1.234
1383.160	2.494	-7.546	-179.910	-4.417	127.978	1.234
1418.160	2.501	-7.750	-176.565	-4.417	121.980	1.234
1453.160	2.507	-7.954	-173.221	-4.417	115.932	1.234
1488.160	2.513	-8.157	-169.877	-4.417	109.934	1.234
1523.160	2.520	-8.361	-166.532	-4.417	103.986	1.234
1552.660	2.525	-8.533	-163.714	-4.417	98.931	1.234
1563.160	2.527	-8.594	-162.710	-4.417	97.131	1.234
1563.161	2.365	-8.596	-145.112	-4.417	97.744	1.234
1573.650	2.366	-8.563	-143.870	-4.417	96.313	1.234
1603.160	2.370	-8.470	-140.383	-4.417	92.292	1.234
1638.160	2.374	-8.359	-136.244	-4.417	87.522	1.234
1638.161	2.374	-8.359	-136.244	-4.417	87.522	1.234
1675.270	2.379	-8.242	-131.357	-4.417	82.465	1.234
1724.000	2.377	-8.004	-127.523	-4.417	76.336	1.234
1764.000	2.375	-7.809	-124.147	-4.417	71.397	1.234
1804.000	2.375	-7.614	-120.572	-4.417	66.407	1.234
1844.000	2.373	-7.367	-116.521	-4.417	61.963	1.234
1884.000	2.372	-7.119	-112.370	-4.417	57.518	1.234
1924.000	2.371	-6.872	-108.219	-4.417	53.073	1.234
1964.000	2.369	-6.624	-104.063	-4.417	48.628	1.234
1970.600	2.369	-6.583	-103.383	-4.417	47.895	1.234
1984.184	2.363	-6.499	-101.973	-4.417	46.386	1.234
2004.000	2.370	-6.353	-98.357	-4.417	44.644	1.234
2044.000	2.373	-6.057	-92.568	-4.417	41.138	1.234
2084.000	2.377	-5.761	-86.273	-4.417	37.612	1.234
2131.000	2.381	-5.413	-78.388	-4.417	33.481	1.234
2166.980	2.384	-5.147	-73.230	-4.417	30.319	1.234
2209.336	2.390	-4.806	-70.117	-4.417	27.475	1.234
2273.001	2.396	-4.293	-65.738	-4.417	23.201	1.234
2339.283	2.405	-3.760	-60.567	-4.417	18.752	1.234
2361.379	2.402	-3.509	-58.924	-4.417	17.523	1.234
2405.667	2.394	-3.248	-55.630	-4.417	15.060	1.234
2427.864	2.390	-3.076	-53.980	-4.417	13.826	1.234
2450.056	2.385	-2.905	-52.329	-4.417	12.592	1.234
2472.253	2.382	-2.734	-50.679	-4.417	11.357	1.234
2538.800	2.371	-2.237	-46.065	-4.417	8.124	1.234
2538.801	.100	-.104	-17.256	.000	1.924	.000
2735.195	.053	-.002	-8.535	.000	.952	.000
2927.400	.000	-.000	-.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS
AFTBODY INCLUDING EMPENNAGE (GEAR UP)

REPORT L310554-12-1
MODEL C-5A
PAGE 3, 2-67

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MXPO	MZPO
1106.584	11.082	-188.434
1148.000	11.096	-180.271
1188.000	11.109	-172.387
1231.051	11.124	-163.901
1268.160	11.201	-156.759
1303.160	11.273	-149.985
1343.160	11.355	-142.205
1343.161	12.353	-142.729
1347.000	12.371	-142.072
1383.160	12.483	-135.881
1418.160	12.600	-129.890
1453.160	12.713	-123.898
1488.160	12.826	-117.907
1523.160	12.933	-111.915
1552.000	13.034	-106.865
1563.160	13.068	-105.067
1563.161	15.013	-105.518
1573.000	15.066	-104.088
1603.160	15.217	-100.071
1638.160	15.397	-95.306
1638.161	15.397	-95.305
1675.270	15.587	-90.253
1724.000	15.725	-84.173
1764.000	15.833	-79.182
1804.000	15.951	-74.192
1844.000	16.041	-69.745
1884.000	16.132	-65.299
1924.000	16.223	-60.853
1964.000	16.313	-56.406
1970.000	16.328	-55.673
1984.184	16.352	-54.163
2004.000	16.365	-52.423
2044.000	16.376	-48.911
2084.000	16.386	-45.398
2131.000	16.401	-41.272
2166.980	16.412	-38.112
2209.336	16.225	-35.274
2273.001	15.945	-31.008
2339.283	15.653	-26.567
2361.379	15.501	-25.354
2405.667	15.195	-22.864
2427.864	15.043	-21.625
2450.058	14.891	-20.387
2472.255	14.734	-19.149
2538.300	14.282	-15.904
2538.301	2.103	-2.031
2735.195	1.743	-1.075
2927.400	.000	.000

STRUCTURAL UNIT INERTIA LOADS
 AIRBODY INCLUDING EMPENNAGE (GEAR DOWN)

REPORT LG1USS4-12-1
 MODEL C-5A
 PAGE 3.2-68

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	SZMZ	MYNZ	MYNX	SZTDD	SXTDD	MYTDD
1106.584	-134.620	89.970	-1.110	231.293	11.072	-259.516
1148.000	-132.148	84.538	-1.197	230.866	10.591	-249.893
1188.000	-129.760	79.291	-1.281	230.453	10.127	-240.599
1231.051	-127.189	73.644	-1.371	230.009	9.627	-230.597
1268.160	-123.801	69.093	-1.529	228.372	8.866	-222.051
1303.160	-120.604	64.802	-1.678	226.828	8.148	-213.991
1343.160	-116.952	59.897	-1.849	225.063	7.328	-204.779
1343.161	-102.084	59.923	-3.972	216.020	.288	-203.725
1347.000	-101.671	59.578	-3.987	215.653	.208	-202.921
1383.160	-97.779	56.330	-4.125	212.198	-.553	-195.347
1418.160	-94.013	53.185	-4.259	208.854	-1.290	-188.016
1453.160	-90.246	50.041	-4.392	205.510	-2.026	-180.685
1488.160	-86.480	46.896	-4.526	202.165	-2.763	-173.354
1523.160	-82.714	43.752	-4.660	198.821	-3.500	-166.022
1552.660	-79.539	41.101	-4.772	196.002	-4.120	-159.843
1563.160	-78.409	40.158	-4.812	194.999	-4.341	-157.644
1563.161	-63.538	40.162	-6.936	177.423	-11.382	-156.578
1573.660	-62.602	39.548	-6.977	176.182	-11.585	-154.759
1603.160	-59.971	37.823	-7.091	172.694	-12.154	-149.647
1638.160	-56.850	35.777	-7.227	168.556	-12.829	-143.583
1638.161	-56.849	35.777	-7.227	168.556	-12.829	-143.583
1675.270	-53.540	33.607	-7.371	164.169	-13.544	-137.153
1724.000	-50.941	31.176	-7.455	159.935	-14.032	-129.364
1764.000	-48.808	29.180	-7.524	156.459	-14.432	-122.971
1804.000	-46.674	27.185	-7.593	152.984	-14.832	-116.578
1844.000	-44.655	25.487	-7.638	148.833	-15.156	-110.744
1884.000	-42.636	23.789	-7.682	144.682	-15.480	-104.910
1924.000	-40.617	22.092	-7.727	140.531	-15.805	-99.077
1964.000	-38.598	20.394	-7.771	136.380	-16.129	-93.243
1970.600	-38.265	20.114	-7.778	135.695	-16.182	-92.280
1984.184	-37.579	19.538	-7.793	134.285	-16.292	-90.299
2004.000	-36.346	18.897	-7.795	131.169	-16.424	-87.872
2044.000	-33.857	17.605	-7.798	124.879	-16.689	-82.972
2084.000	-31.369	16.312	-7.800	118.590	-16.954	-78.073
2131.000	-28.445	14.793	-7.804	111.200	-17.265	-72.316
2166.980	-26.207	13.630	-7.806	105.542	-17.503	-67.908
2209.338	-25.165	12.603	-7.743	102.429	-17.449	-63.660
2273.001	-23.598	11.059	-7.649	97.750	-17.367	-57.274
2339.283	-21.968	9.451	-7.551	92.379	-17.282	-50.626
2361.379	-21.481	8.995	-7.506	91.236	-17.216	-48.660
2405.667	-20.506	8.082	-7.415	87.942	-17.082	-44.718
2427.864	-20.018	7.625	-7.370	86.292	-17.015	-42.743
2450.058	-19.529	7.167	-7.324	84.641	-16.948	-40.768
2472.253	-19.040	6.710	-7.279	82.991	-16.881	-38.793
2538.800	-17.775	5.474	-7.154	78.377	-16.688	-33.350
2538.801	-4.304	.496	-.526	17.256	-.917	-2.205
2736.193	-2.129	.247	-.260	8.535	-.454	-1.090
2927.400	.000	.000	.000	.000	.000	.000

10

AFTBODY INCLUDING EMPENNAGE (GEAR DOWN)

STRUCTURAL UNIT INERTIA LOADS

REPORT LG10554-12-1

AFTBODY INCLUDING EMPENNAGE (GEAR DOWN)

MODEL C-5A

PAGE 3.2-69

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MYTDS	MXPD	MZPD	MXPSIDD	MZPSIDD	SYGR
1106.584	8.466	-17.226	19.936	28.402	-251.673	20.413
1148.000	8.050	-17.102	20.365	28.415	-242.046	19.932
1188.000	7.649	-16.983	20.780	28.429	-232.748	19.467
1231.051	7.217	-16.854	21.227	28.443	-222.740	18.967
1268.160	6.974	-16.667	21.546	28.520	-214.173	18.206
1303.160	6.745	-16.490	21.847	28.592	-206.093	17.488
1343.160	6.483	-16.289	22.192	28.675	-196.858	16.668
1343.161	7.787	-14.300	22.179	29.966	-195.913	9.629
1347.000	7.808	-14.277	22.171	29.979	-195.108	9.548
1383.160	8.007	-14.061	22.068	30.095	-187.527	8.787
1418.160	8.199	-13.852	22.009	30.208	-180.190	8.050
1453.160	8.392	-13.642	21.929	30.321	-172.852	7.314
1488.160	8.584	-13.433	21.850	30.434	-165.515	6.577
1523.160	8.777	-13.223	21.770	30.547	-158.177	5.841
1552.660	8.939	-13.047	21.703	30.642	-151.993	5.220
1563.160	8.997	-12.984	21.679	30.676	-149.792	4.999
1563.161	11.508	-10.995	21.679	33.187	-148.836	-2.042
1573.660	11.693	-10.945	21.548	33.241	-147.015	-2.244
1603.160	12.213	-10.803	21.179	33.392	-141.900	-2.813
1638.160	12.830	-10.636	20.741	33.571	-135.831	-3.488
1638.161	12.830	-10.636	20.741	33.571	-135.831	-3.488
1675.270	13.484	-10.458	20.278	33.761	-129.396	-4.204
1724.000	14.314	-10.324	19.585	33.899	-121.609	-4.691
1764.000	14.996	-10.213	19.016	34.012	-115.217	-5.092
1804.000	15.678	-10.103	18.447	34.125	-108.826	-5.492
1844.000	16.390	-10.008	17.826	34.216	-102.993	-5.816
1884.000	17.101	-9.914	17.205	34.306	-97.161	-6.140
1924.000	17.813	-9.819	16.584	34.397	-91.329	-6.464
1964.000	18.525	-9.724	15.963	34.488	-85.497	-6.789
1970.600	18.642	-9.708	15.860	34.503	-84.534	-6.842
1984.184	18.884	-9.676	15.649	34.533	-82.554	-6.952
2004.000	19.222	-9.629	15.318	34.539	-80.125	-7.083
2044.000	19.903	-9.534	14.648	34.551	-75.221	-7.348
2084.000	20.584	-9.439	13.979	34.562	-70.318	-7.613
2131.000	21.384	-9.327	13.192	34.576	-64.557	-7.924
2166.980	21.996	-9.242	12.590	34.586	-60.146	-8.163
2209.338	22.546	-9.200	11.853	34.399	-55.892	-8.109
2273.001	23.373	-9.137	10.746	34.119	-49.499	-8.027
2339.283	24.234	-9.072	9.593	33.827	-42.843	-7.942
2361.379	24.459	-9.052	9.216	33.675	-40.880	-7.875
2405.667	24.909	-9.013	8.461	33.370	-36.947	-7.741
2427.864	25.135	-8.993	8.082	33.218	-34.975	-7.674
2450.058	25.361	-8.973	7.704	33.065	-33.004	-7.607
2472.253	25.587	-8.953	7.325	32.912	-31.033	-7.540
2538.800	26.250	-8.906	6.207	32.457	-25.602	-7.347
2538.801	2.004	-.173	.104	2.108	-2.097	-.917
2735.193	.991	-.086	.052	1.043	-1.037	-.454
2927.400	.000	.000	.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS
AFTBODY INCLUDING EMPENNAGE (GEAR DOWN)

REPORT LG1US54-12-1

MODEL C-5A

PAGE 3.2-70

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MXQR	MZQR	SZPR	MXPR	MYPR	MZPR
1106.584	2.465	-2.588	-198.981	-4.417	179.598	1.234
1148.000	2.470	-3.405	-198.554	-4.417	171.433	1.234
1188.000	2.474	-4.193	-198.141	-4.417	163.547	1.234
1231.051	2.479	-5.042	-197.697	-4.417	155.059	1.234
1268.160	2.500	-5.708	-196.060	-4.417	147.878	1.234
1308.160	2.520	-6.336	-194.516	-4.417	141.105	1.234
1343.160	2.544	-7.054	-192.751	-4.417	133.364	1.234
1343.161	2.435	-7.042	-183.708	-4.417	134.408	1.234
1347.000	2.435	-7.069	-183.342	-4.417	133.750	1.234
1383.160	2.442	-7.325	-179.887	-4.417	127.554	1.234
1418.160	2.448	-7.572	-176.542	-4.417	121.557	1.234
1453.160	2.455	-7.819	-173.198	-4.417	115.559	1.234
1488.160	2.461	-8.067	-169.854	-4.417	109.562	1.234
1523.160	2.467	-8.314	-166.509	-4.417	103.565	1.234
1552.660	2.473	-8.522	-163.691	-4.417	98.510	1.234
1563.160	2.475	-8.596	-162.687	-4.417	96.711	1.234
1563.161	2.365	-8.596	-145.112	-4.417	97.744	1.234
1573.660	2.366	-8.563	-143.870	-4.417	96.313	1.234
1603.160	2.370	-8.470	-140.383	-4.417	92.292	1.234
1638.160	2.374	-8.359	-136.244	-4.417	87.522	1.234
1638.161	2.374	-8.359	-136.244	-4.417	87.522	1.234
1675.270	2.379	-8.242	-131.257	-4.417	82.465	1.234
1724.000	2.377	-8.004	-127.623	-4.417	76.386	1.234
1764.000	2.376	-7.809	-124.147	-4.417	71.397	1.234
1804.000	2.375	-7.614	-120.672	-4.417	66.407	1.234
1844.000	2.373	-7.367	-116.321	-4.417	61.963	1.234
1884.000	2.372	-7.119	-112.370	-4.417	57.518	1.234
1924.000	2.370	-6.872	-108.219	-4.417	53.073	1.234
1964.000	2.369	-6.624	-104.068	-4.417	48.628	1.234
1970.600	2.368	-6.583	-103.383	-4.417	47.895	1.234
1984.184	2.368	-6.499	-101.973	-4.417	46.386	1.234
2004.000	2.370	-6.353	-98.857	-4.417	44.644	1.234
2044.000	2.373	-6.057	-92.568	-4.417	41.128	1.234
2084.000	2.377	-5.761	-86.278	-4.417	37.612	1.234
2131.000	2.381	-5.413	-78.288	-4.417	33.481	1.234
2166.980	2.384	-5.147	-73.230	-4.417	30.319	1.234
2209.338	2.390	-4.806	-70.117	-4.417	27.475	1.234
2273.001	2.398	-4.293	-65.438	-4.417	23.201	1.234
2339.283	2.406	-3.760	-60.567	-4.417	18.752	1.234
2361.379	2.402	-3.589	-58.924	-4.417	17.523	1.234
2405.667	2.394	-3.248	-55.630	-4.417	15.060	1.234
2427.864	2.390	-3.076	-53.980	-4.417	13.826	1.234
2450.058	2.386	-2.905	-52.329	-4.417	12.592	1.234
2472.253	2.382	-2.734	-50.679	-4.417	11.357	1.234
2530.800	2.370	-2.237	-46.065	-4.417	8.124	1.234
2538.801	.108	-.104	-17.256	.000	1.924	.000
2735.193	.053	-.052	-2.535	.000	.952	.000
2927.400	.000	-.000	-.000	.000	.000	.000

STRUCTURAL UNIT INERTIA LOADS
AFTBODY INCLUDING EMPENNAGE (GEAR DOWN)

REPORT LG1USE4-12-1
MODEL C-5A
PAGE 3.2-71

LOAD AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 225.000
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. 0. W.L. 265.000

STA.	MxPG	MZPG
1106.584	10.227	-187.473
1148.000	10.241	-179.312
1188.000	10.254	-171.430
1231.051	10.269	-162.947
1268.160	10.346	-155.787
1303.160	10.412	-149.035
1343.160	10.501	-141.317
1343.161	11.792	-142.251
1347.000	11.804	-141.594
1383.160	11.921	-135.405
1418.160	12.034	-129.414
1453.160	12.147	-123.423
1488.160	12.259	-117.432
1523.160	12.372	-111.442
1552.660	12.467	-106.392
1563.160	12.501	-104.595
1563.161	15.013	-105.518
1573.660	15.066	-104.088
1603.160	15.217	-100.071
1638.160	15.397	-95.306
1638.161	15.397	-95.305
1675.270	15.587	-90.253
1724.000	15.725	-84.173
1764.000	15.838	-79.182
1804.000	15.951	-74.192
1844.000	16.041	-69.745
1884.000	16.132	-65.299
1924.000	16.223	-60.853
1964.000	16.313	-56.406
1970.600	16.328	-55.673
1984.134	16.359	-54.163
2004.000	16.365	-52.423
2044.000	16.376	-48.911
2084.000	16.388	-45.398
2131.000	16.401	-41.272
2166.980	16.412	-38.112
2209.338	16.225	-35.274
2273.001	15.945	-31.008
2339.283	15.853	-26.567
2361.379	15.501	-25.334
2405.667	15.196	-22.864
2427.864	15.043	-21.625
2450.058	14.891	-20.387
2472.253	14.738	-19.149
2538.800	14.282	-15.904
2538.801	2.108	-2.031
2735.193	1.043	-1.005
2927.400	.000	.000

PREPARED * * STRUCTURAL UNIT INERTIA LISTS PAGE 0. ** 3.2-72
 CHECKED ** * MODEL ***** 0-5A
 APPROVED * * *** STUB *** REPORT NO. IG10554-12-1
 DATE ***** 11/08/68*

LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.050

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

STA.	SZMZ	MYNZ	MYNX	SZTDP	SXTDP	MYTDP
1106.583	-12767.	1.657	-.032	4293.	-2901.	-.733
1128.000	-11570.	1.445	-.026	4097.	-2644.	-.691
1148.000	-10046.	1.246	-.021	3914.	-2404.	-.606
1168.000	-9522.	1.048	-.015	3730.	-2164.	-.520
1188.000	-8598.	.849	-.010	3547.	-1923.	-.434
1208.000	-7574.	.651	-.004	3364.	-1683.	-.348
1231.051	-6594.	.422	.002	3153.	-1406.	-.249
1249.660	-5563.	.354	.002	2947.	-1180.	-.209
1268.150	-4347.	.267	.002	2144.	-956.	-.169
1303.160	-2417.	.159	.001	1132.	-532.	-.094
1332.660	-791.	.052	.000	390.	-174.	-.031
1347.000	-0.	-.000	-.000	-0.	-0.	-.000

STA.	MYTDS	MXPD	MZPD	MXPSID	MZPSID	MXOR
1106.583	-.366	-.253	.370	.004	-.973	-.190
1128.000	-.319	-.232	.323	.003	-.867	-.176
1148.000	-.275	-.213	.278	.003	-.763	-.163
1168.000	-.232	-.193	.233	.002	-.670	-.150
1188.000	-.188	-.174	.189	.001	-.571	-.137
1208.000	-.144	-.154	.144	-.000	-.472	-.124
1231.051	-.094	-.132	.092	-.001	-.359	-.109
1249.660	-.079	-.111	.078	-.001	-.351	-.092
1268.150	-.064	-.090	.063	-.001	-.244	-.074
1303.160	-.035	-.050	.035	-.001	-.155	-.041
1332.660	-.012	-.016	.011	-.000	-.044	-.014
1347.000	-.000	-.000	-.000	-.000	-.000	-.000

STA.	MYPR	MZPD
1106.583	.720	-.530
1128.000	.635	-.459
1148.000	.556	-.393
1168.000	.476	-.326
1188.000	.397	-.260
1208.000	.318	-.194
1231.051	.226	-.117
1249.660	.190	-.098
1268.150	.154	-.080
1303.160	.086	-.044
1332.660	.023	-.014
1347.000	-.000	-.000

PREPARED * *
 CHECKED ** *
 APPROVED * *
 DATE ***** 1/13/68 *

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. ** 3.2-73
 MODEL ***** 0-5A
 REPORT NO. ** IG1US54-12-1
 CASE ID *** F10101

FUEL WT. 4360.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29,000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.9	.0	.0	.0	.0	1019.0	1766.0	1306.5

STA.	SZMZ	MAXZ	MYNZ	MYNY	SZTD	SXTDD
.000	-4650.	-3.055	1.378	.223	3566.	-450.
120.361	-4650.	-2.495	1.378	.179	3566.	-450.
120.362	-4650.	-2.495	1.378	.179	3566.	-450.
197.300	-3702.	-2.181	1.349	.151	3492.	-273.
253.300	-2325.	-1.970	1.139	.148	2950.	-7.
329.300	-2325.	-1.817	1.139	.136	2950.	-7.
395.752	-2325.	-1.664	1.139	.124	2950.	-7.
439.366	-2325.	-1.491	1.139	.111	2950.	-7.
469.387	-2325.	-1.431	1.139	.111	2950.	-7.
481.259	-2325.	-1.435	1.139	.109	2950.	-7.
481.260	-2325.	-1.435	1.139	.109	2950.	-7.
492.632	-2325.	-1.436	1.139	.107	2950.	-7.
492.633	-2325.	-1.436	1.139	.107	2950.	-7.
527.700	-2325.	-1.357	1.139	.100	2950.	-7.
577.275	-2325.	-1.242	1.139	.091	2950.	-7.
577.275	-2325.	-1.242	1.139	.091	2950.	-7.
659.600	-2325.	-1.030	1.139	.076	2950.	-7.
738.919	-2325.	-.866	1.139	.062	2950.	-7.
738.920	-2325.	-.866	1.139	.062	2950.	-7.
743.918	-2325.	-.842	1.139	.060	2950.	-7.
743.919	-2325.	-.842	1.139	.060	2950.	-7.
753.917	-2325.	-.819	1.139	.059	2950.	-7.
753.918	-2325.	-.819	1.139	.059	2950.	-7.
791.604	-2325.	-.743	1.139	.053	2950.	-7.
867.600	-2325.	-.590	1.139	.041	2950.	-7.
923.400	-2115.	-.439	1.056	.029	2735.	1.
939.400	-1793.	-.313	.925	.019	2395.	10.
1055.600	-1770.	-.196	.915	.010	2370.	10.
1121.300	-1369.	-.030	.825	.001	2136.	1.
1154.300	-1023.	-.037	.539	.000	1397.	11.
1167.255	-536.	-.012	.297	-.000	742.	3.
1220.200	-124.	-.001	.067	-.000	175.	2.
1253.200	0.	.000	.000	.000	0.	0.
1266.200	0.	.000	.000	.000	0.	0.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-74
 CHECKED ** * * * MODEL *****C-5A
 APPROVED * * * *** FUEL *** REPORT NO. * IG1US54-12-1
 DATE *****11/05/58* CASE ID *** F10101

FUEL WT. 4850.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1126.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1126.583 B.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 553.4 .0 .0 .0 .0 1018.0 1743.0 1306.5

SFA.	EXTD	MYTDD	WZTDD	MYTDS	SZPD	MXPD
.000	3.451	-1.544	.095	-.304	-7912.	-7.757
120.361	3.021	-1.542	.040	-.271	-7912.	-6.809
120.362	3.021	-1.542	.040	-.271	-7912.	-6.809
197.900	2.749	-1.542	.014	-.244	-7540.	-6.215
253.800	2.531	-1.461	.002	-.191	-6692.	-5.735
329.300	2.336	-1.461	.002	-.176	-6692.	-5.294
396.752	2.142	-1.461	.001	-.161	-6692.	-4.853
469.356	1.923	-1.461	.001	-.144	-6692.	-4.356
469.357	1.923	-1.461	.001	-.144	-6692.	-4.356
481.259	1.889	-1.461	.000	-.141	-6692.	-4.280
481.260	1.889	-1.461	.000	-.141	-6692.	-4.280
492.632	1.856	-1.461	.000	-.139	-6692.	-4.204
492.633	1.856	-1.461	.000	-.139	-6692.	-4.204
527.700	1.752	-1.461	.000	-.131	-6692.	-3.970
577.275	1.606	-1.461	-.000	-.119	-6692.	-3.638
577.276	1.606	-1.461	-.000	-.119	-6692.	-3.638
559.300	1.363	-1.461	-.001	-.101	-6692.	-3.037
738.919	1.129	-1.461	-.001	-.082	-6692.	-2.556
738.920	1.129	-1.461	-.001	-.082	-6692.	-2.556
748.918	1.100	-1.461	-.001	-.080	-6692.	-2.469
748.919	1.100	-1.461	-.001	-.080	-6692.	-2.469
753.917	1.070	-1.461	-.001	-.072	-6692.	-2.422
753.918	1.070	-1.461	-.001	-.072	-6692.	-2.422
791.504	.974	-1.461	-.002	-.070	-6692.	-2.204
857.300	.779	-1.461	-.002	-.055	-6692.	-1.763
923.400	.557	-1.376	-.003	-.037	-6196.	-1.327
989.700	.421	-1.237	-.002	-.020	-5405.	-.951
1055.300	.265	-1.226	-.002	-.008	-5345.	-.598
1121.300	.110	-1.110	-.001	.014	-4822.	-.248
1134.300	.051	-.737	-.001	.006	-3155.	-.116
1137.253	.016	-.397	-.000	.005	-1678.	-.037
1220.200	.001	-.094	-.000	.002	-393.	-.002
1253.200	.000	.000	.000	.000	0.	.000
1286.200	.000	.000	.000	.000	0.	.000
1319.173	.000	.000	.000	.000	0.	.000

PREPARED * * * JAIT INERTIA LOADS PAGE NO. **3.2-75
 CHECKED * * * MODEL *****Q-5A
 APPROVED * * * *** FUEL *** REPORT NO. *IG1US54-12-1
 DATE ***/**/1968 CASE ID *** F10101

FUEL WT. 4650.0 LB. DENSITY 5.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.533 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.533 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	355.0	.0	.0	.0	.0	1018.0	1763.0	1306.5

SFA.	HYPO	WZPD	MXPS	MXPS100	HYPS100	WZPS100
.000	3.451	.049	.674	-.256	-.580	-9.310
120.361	3.451	.049	.546	-.222	-.506	-8.358
120.362	3.451	.049	.546	-.222	-.506	-8.358
197.300	3.440	.043	.472	-.201	-.459	-7.758
263.300	3.309	.002	.432	-.190	-.430	-7.196
329.300	3.309	.002	.397	-.174	-.395	-6.755
395.752	3.309	.002	.362	-.159	-.361	-6.313
469.336	3.309	.002	.323	-.142	-.323	-5.817
469.337	3.309	.002	.323	-.142	-.323	-5.817
481.259	3.309	.002	.317	-.140	-.317	-5.741
481.260	3.309	.002	.317	-.140	-.317	-5.741
492.632	3.309	.002	.311	-.137	-.311	-5.665
492.633	3.309	.002	.311	-.137	-.311	-5.665
527.700	3.309	.002	.293	-.129	-.293	-5.430
577.275	3.309	.002	.257	-.110	-.267	-5.099
577.276	3.309	.002	.267	-.110	-.267	-5.099
659.000	3.309	.002	.223	-.099	-.224	-4.548
733.913	3.309	.002	.182	-.081	-.183	-4.017
733.920	3.309	.002	.182	-.081	-.183	-4.017
748.913	3.309	.002	.176	-.078	-.178	-3.950
748.914	3.309	.002	.176	-.078	-.178	-3.950
753.917	3.309	.002	.171	-.076	-.173	-3.883
753.918	3.309	.002	.171	-.076	-.173	-3.883
791.604	3.309	.002	.154	-.069	-.155	-3.665
857.000	3.309	.002	.119	-.054	-.121	-3.223
923.400	3.112	-.002	.085	-.039	-.087	-2.702
939.400	2.791	-.005	.055	-.025	-.057	-2.138
1055.000	2.765	-.005	.028	-.013	-.030	-1.524
1121.000	2.505	-.006	.004	-.002	-.005	-1.358
1164.000	1.663	-.006	-.000	-.000	-.000	-.353
1137.256	.898	-.004	-.002	.001	.001	-.434
1220.200	.213	-.001	-.001	.000	.001	-.096
1253.200	.000	.000	.000	.000	.000	.000
1266.200	.000	.000	.000	.000	.000	.000
1319.175	.000	.000	.000	.000	.000	.000

PREPARED * *
CHECKED ** *
APPROVED * *
DATE *****11/28/58*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-76
MODEL *****C-5A
REPORT NO.*IG1US54-12-1
CASE I. *** F10101

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
LOAD AXIS ORIGIN F.S. 1103.583 B.L. .000 H.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1103.533 B.L. .000 H.L. 205.000

PAK	1	2	3	4	5	6	7	8
WT.	355.9	.0	.0	.0	.0	1015.5	1705.0	1300.5

STA.	XZPSIDS	XZOR	XZPR	XZFO
.000	.000	-7.756	1.553	6.213
120.551	.429	-6.809	1.549	5.260
120.552	.429	-6.609	1.549	5.260
197.900	.691	-6.210	1.543	4.667
263.300	.778	-5.735	1.461	4.274
329.300	.973	-5.294	1.461	3.833
395.752	1.168	-4.852	1.461	3.391
463.356	1.386	-4.356	1.461	2.895
469.357	1.386	-4.356	1.461	2.895
481.259	1.420	-4.230	1.461	2.819
481.250	1.420	-4.230	1.461	2.819
492.532	1.453	-4.204	1.461	2.743
492.533	1.453	-4.204	1.461	2.743
527.700	1.557	-3.969	1.461	2.508
577.275	1.703	-3.638	1.461	2.177
577.276	1.703	-3.638	1.461	2.177
659.500	1.946	-3.037	1.461	1.626
738.919	2.180	-2.556	1.461	1.095
738.920	2.180	-2.556	1.461	1.095
748.919	2.210	-2.439	1.461	1.028
748.919	2.210	-2.439	1.461	1.028
758.917	2.239	-2.422	1.461	.961
758.918	2.239	-2.422	1.461	.961
791.304	2.335	-2.204	1.461	.743
857.500	2.530	-1.762	1.461	.301
923.400	2.525	-1.326	1.375	-.049
999.400	2.370	-.951	1.237	-.286
1055.500	2.501	-.598	1.226	-.529
1121.500	2.395	-.248	1.110	-.862
1154.500	1.612	-.116	.736	-.620
1187.256	.881	-.037	.397	-.361
1220.200	.212	-.002	.094	-.091
1253.200	.000	.000	.000	.000
1286.200	.000	.000	.000	.000
1319.173	.000	.000	.000	.000

PREPARED *
 CHECKED *
 APPROVED *
 DATE **KRL11/17/68*

UNIT I LIFT LOADS

*** WING (FUEL INCLUDED) ***

PAGE 1. **3.2-77
 MODEL ***C-5A
 REPORT NO. *LG1US54-12-1
 CASE ID *** F10101

FUEL WT. 4650.0 LB. DENSITY 6.600 LB./GAL. ALTITUDE -29,000 FEET.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 Y.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 Y.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	300.0	0.0	0.0	0.0	0.0	1012.0	1703.0	1306.0

STA.	SZHZ	MYNZ	MYNZ	MYNY	SZTD	SXTD
.000	-72125.	-39.211	18.430	4.703	47732.	-3743.
120.361	-65741.	-30.834	17.601	4.105	45588.	-2293.
120.362	-65741.	-30.834	17.601	4.105	45588.	-2293.
197.900	-60643.	-25.939	16.915	3.759	43612.	-1279.
263.300	-56435.	-22.955	16.168	3.502	41877.	-399.
329.300	-52364.	-18.453	15.147	3.245	39232.	313.
395.752	-49349.	-15.116	14.430	3.013	37375.	833.
459.336	-46200.	-11.530	13.618	2.766	35271.	1319.
459.337	-46200.	-11.580	13.618	2.766	35271.	1319.
431.259	-45717.	-11.038	13.493	2.723	34944.	1394.
481.260	-34605.	-11.070	12.546	1.754	32495.	224.
492.632	-34205.	-10.692	12.353	1.728	32009.	304.
492.633	-34205.	-10.692	12.353	1.728	32009.	304.
527.700	-32355.	-9.527	11.780	1.647	30510.	554.
577.275	-30304.	-7.971	11.157	1.545	28924.	627.
577.276	-30304.	-7.971	11.157	1.545	28924.	627.
659.630	-27135.	-5.614	10.054	1.384	26040.	1190.
736.919	-24008.	-3.563	9.137	1.244	23657.	1438.
736.920	-24008.	-3.563	9.137	1.244	23657.	1438.
748.918	-24290.	-3.305	9.022	1.226	23368.	1469.
748.919	-13342.	-3.343	6.555	.220	16979.	-369.
758.917	-12965.	-3.221	6.400	.212	16577.	-333.
758.918	-12965.	-3.221	6.400	.212	16577.	-333.
791.304	-11736.	-2.320	5.394	.187	15267.	-240.
857.500	-10183.	-2.096	5.236	.140	13662.	-130.
923.400	-6513.	-1.496	4.380	.100	11345.	-35.
939.400	-3509.	-1.013	3.522	.066	9123.	23.
1055.300	-5480.	-.622	3.021	.039	7325.	53.
1121.300	-4193.	-.298	2.346	.017	6077.	87.
1154.300	-3113.	-.176	1.775	.011	4660.	62.
1187.256	-2210.	-.092	1.293	.006	3350.	34.
1220.200	-1330.	-.036	.811	.003	2101.	19.
1253.200	-332.	-.010	.212	.001	550.	12.
1286.200	-162.	-.003	.107	.000	278.	7.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * *
 CHECKED * *
 APPROVED * *
 DATE ***/***/**

UNIT INERTIA LOADS

*** WING (FUEL INCLUDED) ***

PAGE NO. **3.2-79
 MODEL ***K0-5A
 REPORT NO. *LG10554-12-1
 PAGE ID *** F10101

FUEL WT. 4359.0 LB. DENSITY 6.300 LB./GAL. ALTITUDE -29,000 FEET
 LOAD AXIS ORIGIN F.S. 1105.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1105.583 B.L. .000 A.L. 265.000

INCH	1	2	3	4	5	6	7	8
WT.	550.7	.0	.0	.0	.0	1018.5	1763.0	1306.5

STA.	MYTDD	MYTDD	MYTDD	MYTDS	SZPD	MYPD
.000	32.161	-17.458	.223	-4.069	-101559.	-72.940
120.551	26.522	-17.038	-.159	-3.461	-100358.	-60.762
123.562	26.522	-17.038	-.159	-3.461	-100358.	-60.762
197.900	23.055	-15.675	-.295	-3.062	-98372.	-53.054
253.800	20.229	-16.234	-.353	-2.713	-95710.	-46.641
329.300	17.551	-15.414	-.361	-2.341	-92525.	-40.400
393.752	15.035	-14.375	-.320	-2.038	-89736.	-34.392
459.366	12.349	-14.242	-.240	-1.723	-86129.	-27.863
459.337	12.349	-14.242	-.240	-1.723	-86129.	-27.863
481.259	11.937	-14.145	-.228	-1.674	-85578.	-26.861
481.250	11.945	-13.691	-.231	-1.557	-72058.	-26.769
492.632	11.589	-13.520	-.226	-1.506	-71284.	-25.971
492.633	11.589	-13.520	-.226	-1.506	-71284.	-25.971
527.700	10.492	-12.994	-.211	-1.352	-68892.	-23.511
577.275	9.016	-12.432	-.177	-1.170	-65950.	-20.157
577.276	9.016	-12.432	-.177	-1.170	-65950.	-20.156
659.500	6.762	-11.330	-.094	-.887	-60697.	-14.932
736.913	4.795	-10.477	.010	-.662	-56251.	-10.273
736.920	4.795	-10.477	.010	-.662	-56251.	-10.273
743.913	4.647	-10.362	.023	-.634	-55677.	-9.685
743.919	4.570	-8.512	.017	-.461	-34541.	-9.561
756.917	4.411	-8.440	.014	-.438	-33795.	-9.237
756.916	4.411	-8.440	.014	-.438	-33795.	-9.237
791.504	3.393	-7.879	.005	-.364	-31364.	-8.179
857.500	2.941	-7.132	-.002	-.254	-28045.	-6.213
923.400	2.132	-6.092	-.013	-.154	-23758.	-4.527
939.400	1.465	-5.007	-.013	-.177	-19302.	-3.117
1055.500	.912	-4.365	-.010	-.026	-16589.	-1.935
1121.500	.443	-3.436	-.007	.011	-12948.	-.943
1154.500	.274	-2.651	-.005	.020	-9768.	-.572
1137.236	.145	-1.978	-.003	.023	-7036.	-.299
1220.300	.056	-1.290	-.001	.020	-4296.	-.116
1253.200	.017	-.354	-.000	.007	-1104.	-.035
1266.200	.005	-.135	-.000	.004	-547.	-.011
1319.173	.000	.000	.000	.000	0.	.000

PREPARED * * UNIT INERTIA LOADS FILE NO. **3.2-79
 CHECKED * * MODEL ****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE ***AK11/08/68* CASE ID *** F10101

FUEL WT. 4550.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 350.0 .0 .0 .0 .0 1018.0 1783.0 1300.5

STA.	WZPD	WZPD	WZPS	WZPSIDC	WZPSIDC	WZPSIDC
.000	32.161	1.003	8.653	-3.067	-8.435	-89.816
120.361	32.009	.812	7.342	-2.649	-7.501	-77.053
120.362	32.009	.812	7.342	-2.649	-7.501	-77.053
137.300	31.725	.600	6.622	-2.402	-6.913	-68.937
263.300	31.276	.507	6.095	-2.206	-6.443	-62.120
323.300	30.490	.317	5.623	-2.023	-5.964	-55.053
395.752	29.826	.190	5.224	-1.848	-5.544	-48.527
459.686	28.999	.063	4.830	-1.660	-5.071	-41.389
469.367	28.899	.063	4.830	-1.660	-5.071	-41.389
481.259	28.757	.043	4.770	-1.631	-4.953	-40.294
481.260	27.583	.155	3.560	-1.402	-3.791	-39.995
492.632	27.341	.129	3.507	-1.378	-3.733	-39.029
492.633	27.341	.129	3.507	-1.378	-3.733	-39.029
527.700	25.692	.048	3.344	-1.304	-3.565	-36.049
577.275	25.713	-.034	3.145	-1.204	-3.323	-32.195
577.276	25.713	-.034	3.145	-1.204	-3.323	-32.195
659.555	23.938	-.165	2.660	-1.052	-2.953	-25.900
738.919	22.259	-.256	2.639	-.918	-2.629	-20.350
738.920	22.259	-.256	2.639	-.918	-2.629	-20.350
748.918	22.047	-.267	2.611	-.901	-2.568	-19.650
748.919	17.286	.159	.661	-.302	-.645	-18.156
758.917	16.978	.146	.637	-.292	-.623	-17.630
758.918	16.978	.146	.637	-.292	-.623	-17.630
791.504	16.977	.105	.657	-.259	-.563	-16.041
857.560	14.671	.057	.413	-.196	-.421	-13.329
923.400	12.609	.012	.291	-.142	-.304	-10.604
939.400	10.491	-.019	.191	-.096	-.204	-8.110
1055.300	9.171	-.031	.112	-.057	-.122	-6.296
1121.300	7.262	-.037	.049	-.027	-.055	-4.375
1154.300	3.684	-.036	.030	-.015	-.034	-3.221
1167.250	4.122	-.032	.016	-.009	-.019	-2.276
1220.200	2.622	-.024	.007	-.004	-.003	-1.407
1253.200	.705	-.008	.002	-.001	-.003	-.388
1235.200	.362	-.005	.001	-.001	-.001	-.195
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * * * UNIFORM INERTIA LOADS PAGE NO. **3.-2-80
 CHECKED ** * MODEL *****C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *****11/18/68* CASE ID *** F10101

FUEL WT. 4350.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.583 3.L. .000 4.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.583 8.L. .000 7.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	655.9	.0	.0	.0	.0	1014.5	1783.0	1306.5

STA.	WZPSICS	WX39	WYPR	WZPN
.000	.000	-72.130	16.672	55.486
120.381	6.487	-59.966	16.291	43.674
120.382	6.487	-59.966	16.291	43.674
137.900	8.670	-52.261	15.283	36.379
263.300	11.047	-45.865	15.479	30.396
329.300	12.939	-39.639	14.653	24.986
395.752	14.791	-33.652	14.134	19.518
469.386	16.550	-27.147	13.526	13.621
469.387	16.550	-27.147	13.526	13.621
481.269	16.819	-26.149	13.433	12.716
491.260	16.639	-25.304	13.226	13.078
492.632	16.752	-25.509	13.058	12.451
492.633	16.752	-25.509	13.058	12.451
527.700	16.100	-23.055	12.539	10.517
577.275	16.697	-19.714	12.039	7.675
577.276	16.697	-19.714	12.039	7.675
659.600	17.176	-14.510	10.968	3.541
738.919	17.484	-9.873	10.077	-.204
739.920	17.464	-9.873	10.077	-.204
746.916	17.500	-9.289	9.965	-.676
746.919	12.713	-9.544	8.595	.949
758.917	12.587	-9.220	8.423	.797
758.918	12.587	-9.220	8.423	.797
791.604	12.064	-6.162	7.362	.300
857.600	11.629	-6.197	7.116	-.919
923.400	10.476	-4.512	6.077	-1.565
969.400	9.026	-3.103	4.993	-1.890
1056.300	8.258	-1.932	4.362	-2.430
1121.300	6.814	-.941	3.434	-2.493
1134.300	6.310	-.571	2.649	-2.079
1187.286	3.977	-.298	1.977	-1.679
1220.200	2.564	-.117	1.269	-1.172
1263.200	.889	-.034	.353	-.319
1266.200	.357	-.011	.184	-.174
1319.173	.000	.000	.000	.000

PREPARED * * UNIT I INERTIA LOADS PAGE 11 **3.2-8/
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *LG1US54-12-1
 DATE *****11/05/68* SWEPT AXIS SYSTEM CASE 11 *** F10101

FUEL WT. 4057.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 S.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	353.7	.0	.0	.0	.0	1019.5	1783.0	1306.5

STA.	SXNX	SYNX	YXNX	YNX	MZNX	MZNY
.000	-68459.	-22700.	-1.486	4.464	39.211	-10.594
120.381	-62400.	-20691.	-1.292	3.996	30.814	-7.835
120.382	-62400.	-20691.	-1.292	3.996	30.814	-7.835
197.300	-57750.	-19149.	-1.183	3.568	25.939	-6.313
263.000	-53566.	-17762.	-1.102	3.324	22.065	-5.101
329.300	-49703.	-16481.	-1.021	3.080	18.453	-3.732
395.752	-46841.	-15532.	-.948	2.960	15.116	-2.593
469.356	-43852.	-14541.	-.871	2.625	11.580	-1.401
469.387	-43852.	-14541.	-.871	2.625	11.580	-1.401
481.259	-43394.	-14389.	-.859	2.589	11.008	-1.231
481.260	-33037.	-10955.	-.552	1.665	11.070	-3.211
492.632	-32467.	-10766.	-.544	1.640	10.692	-3.055
492.633	-32467.	-10766.	-.544	1.640	10.692	-3.055
527.700	-30711.	-10193.	-.518	1.563	9.527	-2.603
577.275	-28764.	-9533.	-.486	1.467	7.971	-2.074
577.276	-27827.	-11099.	-.612	1.419	7.971	-2.074
659.300	-24917.	-10747.	-.548	1.271	5.814	-.949
738.319	-22597.	-9744.	-.492	1.142	3.583	-.039
738.320	-22597.	-9744.	-.492	1.142	3.583	-.039
748.915	-22305.	-9613.	-.486	1.126	3.315	.064
748.919	-12232.	-5283.	-.057	.202	3.343	-1.564
758.917	-11906.	-5134.	-.054	.195	3.221	-1.494
758.918	-11906.	-5133.	-.054	.195	3.221	-1.494
791.304	-10776.	-4647.	-.074	.172	2.320	-1.239
857.300	-9351.	-4032.	-.056	.129	2.096	-.950
923.700	-7634.	-3292.	-.039	.091	1.496	-.645
939.700	-5977.	-2577.	-.026	.061	1.013	-.413
1055.300	-5032.	-2170.	-.016	.036	.622	-.248
1121.300	-3850.	-1650.	-.007	.016	.293	-.105
1134.300	-2853.	-1232.	-.004	.010	.173	-.068
1137.256	-2030.	-875.	-.002	.005	.092	-.049
1220.200	-1221.	-527.	-.001	.002	.036	-.043
1253.200	-305.	-131.	-.000	.001	.010	-.016
1236.200	-149.	-64.	-.000	.000	.003	-.009
1319.173	0.	0.	-.000	.000	-.000	-.000

[illegible]

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-87
 CHECKED ** * MODEL ****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE ****11/65/66* SWEEP AXIS SYSTEM CASE ID *** F10101

FUEL WT. 4550.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1175.383 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1175.383 B.L. .000 A.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 555.5 .0 .0 .0 .0 1012.5 1763.0 1300.5

STA.	XZTDC	YZTDC	MZTDC	SXZDS	SYZDS	SZTDS
.000	34.389	-1.527	.223	45309.	15024.	3743.
120.301	28.421	-1.444	-.159	43271.	14340.	2293.
120.302	28.421	-1.444	-.159	43271.	14340.	2293.
137.400	24.729	-1.325	-.295	41535.	13789.	1279.
203.300	21.732	-1.266	-.353	39749.	13180.	399.
329.300	18.319	-.989	-.361	37339.	12348.	-313.
395.752	16.131	-.877	-.320	35476.	11760.	-833.
409.336	13.263	-.778	-.240	33479.	11101.	-1319.
409.357	13.266	-.776	-.240	33479.	11101.	-1319.
481.269	12.832	-.771	-.223	33173.	11000.	-1394.
481.260	12.903	-.963	-.231	30844.	10227.	-224.
492.532	12.515	-.922	-.226	30382.	10074.	-304.
492.533	12.515	-.922	-.226	30382.	10074.	-304.
527.700	11.325	-.816	-.211	28960.	9603.	-554.
577.275	9.755	-.772	-.177	27454.	9103.	-527.
577.276	9.755	-.073	-.177	26560.	11452.	-527.
659.300	7.250	.242	-.094	23912.	10311.	-1190.
733.319	5.036	.314	.010	21733.	9371.	-1438.
733.320	5.036	.314	.010	21733.	9371.	-1438.
743.313	4.317	.312	.023	21458.	9252.	-1469.
743.319	5.092	-.257	.017	15591.	6723.	309.
753.317	4.909	-.244	.014	15222.	6564.	333.
753.315	4.909	-.244	.014	15222.	6564.	333.
791.304	4.322	-.192	.005	14019.	6043.	240.
857.300	3.255	-.143	-.008	12454.	5370.	130.
923.400	2.352	-.069	-.013	10419.	4492.	35.
989.400	1.502	-.015	-.013	8377.	3612.	-23.
1055.300	.993	-.009	-.010	7196.	3098.	-53.
1121.300	.485	.005	-.007	5590.	2406.	-64.
1154.300	.301	-.007	-.005	4224.	1621.	-62.
1137.350	.169	-.027	-.003	3076.	1326.	-54.
1220.200	.084	-.047	-.001	1929.	832.	-39.
1253.200	.027	-.019	-.000	505.	210.	-12.
1236.200	.011	-.013	-.000	255.	110.	-7.
1319.173	-.000	.000	.000	0.	0.	-0.

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-84
 CHECKED ** * * * EL ***C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. *LG10S54-12-1
 DATE *****/09/60+ SWEEP AXIS SYSTEM CASE IL *** F10101

FUEL WT. 4550.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 285.000

TANK	1	2	3	4	5	6	7	8
WT.	555.0	.0	.0	.0	.0	1012.5	1763.0	1306.5

SFA.	MXTOS	MYTOS	MZTOS	SPPO	MXPO	MYPO
.000	1.365	-3.406	-32.161	-101559.	-75.869	-2.905
120.361	.831	-3.011	-26.522	-100358.	-63.056	-2.892
120.362	.831	-3.011	-26.522	-100358.	-63.056	-2.892
197.900	.613	-2.788	-23.055	-98372.	-54.948	-2.856
263.300	.494	-2.612	-20.229	-95710.	-48.207	-2.809
329.300	.416	-2.400	-17.551	-92525.	-41.595	-2.919
395.752	.401	-2.225	-15.035	-89736.	-35.257	-2.945
469.866	.424	-2.042	-12.349	-86129.	-28.374	-2.958
469.867	.424	-2.042	-12.349	-86129.	-28.374	-2.958
481.259	.426	-2.016	-11.937	-85576.	-27.393	-2.945
481.260	.289	-1.307	-11.945	-72658.	-28.007	-.536
492.632	.265	-1.530	-11.589	-71284.	-27.154	-.626
472.635	.265	-1.530	-11.589	-71284.	-27.154	-.626
527.700	.275	-1.498	-10.492	-68892.	-24.535	-.706
577.275	.273	-1.402	-9.016	-65956.	-20.996	-.722
577.276	.399	-1.372	-9.016	-65956.	-20.996	-2.542
659.300	.423	-1.219	-6.762	-60897.	-15.049	-2.694
738.919	.482	-1.092	-4.795	-56261.	-10.010	-2.730
738.920	.482	-1.092	-4.795	-56261.	-10.010	-2.730
748.918	.490	-1.078	-4.547	-55677.	-9.377	-2.714
748.919	.143	-.290	-4.570	-34841.	-10.508	.223
758.917	.135	-.279	-4.411	-33795.	-10.141	.191
758.918	.135	-.279	-4.411	-33795.	-10.141	.191
791.504	.111	-.246	-3.693	-31364.	-8.963	.131
857.500	.072	-.136	-2.941	-28045.	-6.801	.081
923.400	.043	-.132	-2.132	-23758.	-4.953	-.016
989.400	.024	-.038	-1.465	-19302.	-3.365	-.058
1055.300	.012	-.053	-.912	-16589.	-2.003	-.055
1121.300	.003	-.024	-.448	-12948.	-1.061	-.062
1154.500	.001	-.015	-.274	-9768.	-.613	-.022
1157.256	.001	-.008	-.145	-7036.	-.353	.029
1221.200	-.000	-.007	-.056	-4266.	-.194	.053
1253.200	-.000	-.001	-.017	-1104.	-.053	.036
1266.200	-.000	-.000	-.005	-547.	-.022	.024
1315.173	.000	.000	-.000	0.	-.000	.000

PREPARED * * * * *
 CHECKED * * * * *
 APPROVED * * * * *
 DATE *****11/10/88*

UNIT I EXTERIA LOADS
 *** WING (FUEL INCLUDED) ***
 SLEPT AXIS SYSTEM

PAGE NO. ** 3.2-85
 MODEL ***** C-5A
 REPORT NO. * IG10554-12-
 CASE IF *** F10101

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.383 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.383 B.L. .000 W.L. 285.000

TANK	1	2	3	4	5	6	7	8
WT.	500.0	.0	.0	.0	.0	1010.0	1728.0	1300.0

ETA.	WZPS	SYPS	SYPS	WZPS	WZPS	WZPS
.000	.696	-31964.	96397.	8.405	2.169	21.128
120.361	.471	-31587.	95258.	7.117	1.384	17.101
120.362	.471	-31567.	95258.	7.117	1.814	17.101
197.900	.437	-30961.	93373.	6.423	1.669	14.534
263.300	.429	-30124.	90846.	5.920	1.511	12.506
329.300	.386	-29121.	87922.	5.459	1.484	10.321
395.752	.390	-28243.	85176.	5.081	1.274	8.302
469.366	.411	-27103.	81752.	4.714	1.130	6.123
469.367	.411	-27108.	81752.	4.714	1.130	6.123
461.269	.417	-26934.	81227.	4.659	1.116	5.804
431.260	.215	-22673.	68336.	3.446	.910	2.256
492.632	.211	-22436.	67661.	3.395	.903	7.952
492.633	.211	-22436.	67661.	3.395	.903	7.952
527.700	.205	-21685.	65196.	3.239	.858	7.052
577.276	.214	-20759.	62604.	3.053	.767	5.926
577.276	.214	-26116.	60565.	2.973	1.049	5.923
659.600	.234	-24112.	55320.	2.710	.917	3.504
738.919	.276	-22275.	51663.	2.532	.791	1.456
738.920	.276	-22275.	51663.	2.532	.791	1.456
748.918	.282	-22045.	51126.	2.509	.774	1.221
748.919	.021	-13675.	31710.	.616	.242	4.565
753.917	.018	-13381.	31033.	.592	.205	4.191
753.918	.018	-13381.	31033.	.592	.205	4.191
791.304	.011	-12413.	23800.	.515	.211	3.669
837.500	.003	-11104.	25753.	.381	.161	2.767
923.400	-.003	-9407.	21016.	.266	.113	1.934
939.400	-.005	-7643.	17725.	.173	.081	1.270
1055.300	-.004	-6568.	15233.	.101	.043	.774
1121.300	-.003	-5127.	11390.	.044	.022	.339
1154.300	-.002	-3868.	8970.	.026	.014	.222
1137.256	-.002	-2786.	6461.	.014	.008	.160
1220.200	-.001	-1701.	3945.	.006	.004	.141
1253.200	-.001	-437.	1014.	.002	.001	.053
1236.200	-.000	-217.	503.	.001	.001	.031
1319.173	.000	0.	-0.	.000	.000	.000

PREPARED * *	UNIT I ERTIA LOADS	PAGE 40. **3.2-86
CHECKED ** *		MODEL *****C-5A
APPROVED * *	*** 11 G (FUEL ENCLOSED) ***	IN CRT NO. * IG10554-12-1
DATE *****11/06/88*	SWEPT AXIS SYSTEM	PAGE ID *** F10101

FUEL WT. 4550.0 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE -29.000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583 B.L.	.000 Y.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L.	.000 V.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.4	.0	.0	.0	.0	1014.5	1763.0	1300.5

STA.	5XPSID0	SYPSID0	4XPSID0	YPSID0	2PSID0	M2PSID0
.000	111421.	35513.	-.256	-8.971	-84.433	-11.033
121.361	109606.	33764.	-.153	-7.254	-70.281	-9.421
120.362	109606.	33764.	-.153	-7.954	-70.281	-9.421
197.900	107162.	32176.	-.103	-7.322	-61.312	-8.472
253.800	104027.	30502.	-.064	-6.814	-53.907	-7.722
329.800	100171.	28824.	-.037	-6.316	-46.501	-7.231
396.732	96939.	27453.	-.009	-5.844	-39.582	-6.733
469.336	92853.	25856.	.020	-5.335	-32.062	-6.227
469.387	92853.	25856.	.020	-5.335	-32.062	-6.227
431.259	92226.	25611.	.025	-5.257	-30.920	-6.133
431.260	73623.	22467.	-.137	-4.040	-31.279	-3.688
492.632	77736.	22147.	-.133	-3.977	-30.323	-3.637
492.633	77736.	22147.	-.133	-3.977	-30.322	-3.637
527.700	74999.	21159.	-.119	-3.785	-27.396	-3.440
577.275	71707.	19974.	-.097	-3.533	-23.517	-3.093
577.276	72018.	20356.	.210	-3.528	-23.517	-3.093
639.600	66231.	23019.	.203	-3.129	-17.162	-3.258
733.919	61034.	20956.	.193	-2.777	-11.599	-3.338
733.920	61034.	20956.	.193	-2.777	-11.599	-3.338
748.918	60379.	20696.	.197	-2.733	-10.909	-3.326
748.919	33441.	14015.	-.022	-.711	-11.003	-.206
758.917	37597.	13692.	-.021	-.688	-11.383	-.220
758.918	37597.	13692.	-.021	-.688	-11.383	-.220
791.304	34845.	12639.	-.019	-.610	-10.053	-.224
857.500	31123.	11224.	-.014	-.465	-7.621	-.174
923.400	26309.	9439.	-.010	-.335	-5.507	-.196
939.400	21337.	7517.	-.007	-.225	-3.781	-.195
1055.500	18331.	6520.	-.004	-.135	-2.305	-.138
1121.500	14296.	5063.	-.002	-.061	-1.129	-.108
1134.500	10792.	3811.	-.002	-.033	-.697	-.051
1187.256	7787.	2736.	-.001	-.021	-.389	.016
1220.200	4777.	1665.	-.000	-.009	-.194	.083
1253.200	1232.	426.	-.000	-.003	-.083	.036
1286.200	613.	210.	-.000	-.001	-.027	.025
1319.173	-0.	-0.	-.000	.000	.000	.000

PREPARED *
 CHECKED *
 APPROVED *
 DATE **K11/08/68*

UNIT I INERTIA LOADS

*** WING (FUEL INCLUDED) ***
 SWEPT AXIS SYSTEM

PAGE NO. **3.2-87
 MODEL ****C-5A
 REPORT NO. *IG1US54-12-1
 CASE ID *** F10101

FUEL WT. +350.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 S.L. .000 Y.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.L. .000 Y.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1019.0	1749.0	1336.5

STA.	MXCR	MYCR	MXPR	MYPR	SXPR	SYPR
.000	-75.143	-2.657	-34.142	.721	-81373.	-77273.
120.351	-62.300	-2.641	-28.170	.638	-80910.	-74858.
120.362	-62.300	-2.641	-28.170	.688	-80910.	-74858.
197.900	-54.193	-2.606	-24.479	.573	-79583.	-72547.
263.300	-47.471	-2.565	-21.488	.530	-77666.	-69873.
329.300	-40.673	-2.630	-13.579	.267	-75474.	-66360.
395.752	-34.555	-2.712	-15.898	.175	-73412.	-63719.
469.336	-27.695	-2.733	-13.043	.099	-70651.	-60527.
469.337	-27.695	-2.733	-13.043	.099	-70650.	-60527.
481.259	-26.647	-2.721	-12.609	.096	-70227.	-60107.
481.250	-27.566	-.442	-12.757	.522	-58169.	-53523.
492.632	-26.715	-.430	-12.370	.483	-57567.	-52818.
492.633	-26.715	-.430	-12.370	.483	-57567.	-52818.
527.700	-24.103	-.563	-11.181	.386	-55794.	-50646.
577.273	-20.575	-.532	-9.615	.352	-53500.	-48213.
577.275	-20.448	-2.357	-9.510	-.424	-49112.	-52675.
639.300	-14.712	-2.527	-7.093	-.629	-45610.	-46024.
736.919	-9.643	-2.572	-4.923	-.681	-42292.	-44009.
736.920	-9.643	-2.572	-4.923	-.681	-42292.	-44009.
743.913	-9.013	-2.557	-4.660	-.677	-41874.	-43503.
745.919	-10.453	.229	-5.085	.251	-24995.	-29263.
753.917	-17.123	.198	-4.902	.229	-24470.	-28603.
753.918	-10.126	.198	-4.902	.229	-24469.	-28603.
791.304	-8.942	.137	-4.316	.177	-22758.	-26433.
857.300	-6.786	.037	-3.258	.129	-20360.	-23553.
923.400	-4.909	-.010	-2.346	.055	-17324.	-19825.
989.400	-3.352	-.053	-1.596	.002	-14110.	-16020.
1055.300	-2.060	-.054	-.956	.006	-12135.	-13754.
1121.300	-.999	-.051	-.484	-.007	-9484.	-10707.
1184.300	-.612	-.022	-.301	.006	-7140.	-8092.
1187.256	-.337	.029	-.169	.026	-5154.	-5362.
1220.200	-.164	.033	-.083	.047	-3113.	-3630.
1253.200	-.052	.035	-.027	.019	-796.	-942.
1285.200	-.022	.024	-.011	.013	-393.	-472.
1319.173	.000	.000	-.000	.000	0.	0.

PREPARED * * * * * UNIT INERTIA LOADS PAGE NO. ** 3.2-88
 CHECKED ** * * * * * NOEL ***** C-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. * LG1US54-12-1
 DATE ***** 11/98/88 * * * * * SHEET AXIS SYSTEM CASE I. *** F10101

FUEL WT. +652.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 JEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1014.2	1748.0	1300.5

STA.	WXP0	WYPC	WZP0
.000	-5.566	7.041	60.674
120.301	-4.675	5.237	50.446
120.352	-4.375	5.237	50.446
197.900	-4.457	5.910	44.013
253.300	-4.123	5.426	39.599
329.300	-3.804	5.043	33.539
395.752	-3.499	4.640	23.483
409.330	-3.172	4.291	22.948
409.387	-3.172	4.291	22.948
481.259	-3.121	4.231	22.090
481.260	-2.524	3.157	21.794
492.652	-2.483	3.110	21.157
492.653	-2.483	3.110	21.157
527.700	-2.357	2.954	19.170
577.275	-2.139	2.775	15.354
577.276	-2.422	2.574	15.353
559.500	-2.136	2.246	12.279
733.919	-1.384	2.050	8.547
733.920	-1.884	2.050	8.547
743.913	-1.352	2.020	8.065
743.919	-.532	.472	7.300
753.917	-.515	.457	7.069
753.918	-.515	.457	7.069
791.504	-.457	.435	5.291
857.000	-.347	.309	4.739
923.400	-.250	.223	3.533
949.400	-.169	.149	2.469
1055.300	-.101	.039	1.531
1121.300	-.046	.040	.756
1154.300	-.029	.025	.446
1187.250	-.016	.014	.207
1220.200	-.007	.006	.041
1253.200	-.002	.002	.006
1286.200	-.001	.001	-.006
1319.173	.000	-.000	.000

PREPARED * *	UNIT INERTIA LOADS	PAGE NO. **3.2-89
CHECKED ** *		MODEL *****C-5A
APPROVED * *	*** FUEL ***	REPORT NO.* IG1US54-12-
DATE *****11/08/58*		CASE ID *** F10102

FUEL WT. 4550.0 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE -12.000 DEG.
LOAD AXIS ORIGIN	F.S. 11 6.583 B.L.	.000 W.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 11 6.583 B.L.	.000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	533.4	.0	.0	.0	.0	1010.0	1783.0	1300.5

STA.	SZMZ	MXMZ	MYMZ	MYMX	SZTOD	SXTOD
.000	-4550.	-3.104	1.413	.234	3660.	-421.
120.361	-4550.	-2.544	1.413	.191	3660.	-421.
120.362	-4550.	-2.544	1.413	.191	3660.	-421.
197.900	-3925.	-2.216	1.330	.158	3574.	-302.
263.300	-2361.	-1.996	1.155	.152	2992.	-2.
329.300	-2325.	-1.843	1.152	.140	2984.	3.
395.752	-2325.	-1.689	1.152	.128	2984.	3.
469.365	-2325.	-1.517	1.152	.115	2984.	3.
459.367	-2325.	-1.517	1.152	.115	2984.	3.
481.269	-2325.	-1.491	1.152	.113	2984.	3.
481.260	-2325.	-1.491	1.152	.113	2984.	3.
492.532	-2325.	-1.464	1.152	.111	2984.	3.
492.533	-2325.	-1.464	1.152	.111	2984.	3.
527.700	-2325.	-1.383	1.152	.104	2964.	3.
577.275	-2325.	-1.267	1.152	.095	2984.	3.
577.275	-2325.	-1.267	1.152	.095	2984.	3.
559.500	-2325.	-1.076	1.152	.081	2984.	3.
738.919	-2325.	-.891	1.152	.066	2984.	3.
738.925	-2325.	-.891	1.152	.066	2984.	3.
743.913	-2325.	-.868	1.152	.064	2984.	3.
748.919	-2325.	-.868	1.152	.064	2984.	3.
753.917	-2325.	-.845	1.152	.063	2984.	3.
758.915	-2325.	-.845	1.152	.063	2984.	3.
791.504	-2325.	-.769	1.152	.057	2984.	3.
857.500	-2325.	-.616	1.152	.045	2984.	3.
923.400	-2237.	-.463	1.117	.033	2892.	5.
939.400	-1894.	-.324	1.016	.021	2632.	10.
1055.300	-1843.	-.199	.950	.010	2459.	11.
1121.300	-1594.	-.031	.327	.001	2140.	11.
1154.300	-1027.	-.037	.541	.000	1402.	12.
1107.258	-539.	-.012	.238	-.000	746.	3.
1220.200	-125.	-.001	.068	-.000	175.	2.
1283.200	0.	.000	.000	.000	0.	0.
1336.200	0.	.000	.000	.000	0.	0.
1319.173	0.	.000	.000	.000	0.	0.

APPROVED	*	UNIT IDENTIFICATION	*****
CHECKED	*		
APPROVED	*		
DATE	*****	11/13/58	
REPORT NO.	*****	1G10554-12	
CLASS	*****	PI0102	

[illegible]

Tank	1	2	3	4	5	6	7	8
Hf.	Gcc.	.	.	.	.0	101g.	172g.	120g.

[illegible]

PREPARED *
 CHECKED **
 APPROVED *
 DATE *****/12/58F

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-9/
 MODEL *****C-5A
 REPORT NO. *IG1US54-12-
 CASE I. *** FID102

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.583 B.L. .000 H.L. 300.250
 ROTATIONAL AXIS ORIGIN F.S. 1173.383 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.4	.4	.3	.3	.3	1018.2	1783.0	1300.5

STA.	WZPD	WZPD	WZPD	WZPD	WZPD	WZPD	WZPD
.000	3.525	.047	.685	-.265	-.500	-.9499	
120.361	3.525	.047	.560	-.231	-.525	-8.532	
120.362	3.525	.047	.560	-.231	-.525	-8.532	
197.906	3.512	.242	.482	-.203	-.475	-7.915	
263.800	3.373	-.002	.439	-.196	-.444	-7.340	
329.800	3.370	-.003	.404	-.181	-.409	-6.893	
395.752	3.370	-.003	.370	-.165	-.375	-6.447	
469.336	3.370	-.003	.331	-.143	-.336	-5.946	
469.367	3.370	-.003	.331	-.143	-.336	-5.946	
481.259	3.370	-.003	.325	-.146	-.320	-5.859	
481.260	3.370	-.003	.325	-.146	-.320	-5.859	
492.532	3.370	-.003	.319	-.143	-.324	-5.793	
492.533	3.370	-.003	.319	-.143	-.324	-5.793	
527.700	3.370	-.003	.301	-.135	-.306	-5.556	
577.275	3.370	-.003	.275	-.123	-.279	-5.221	
577.276	3.370	-.003	.275	-.123	-.279	-5.221	
659.500	3.370	-.003	.232	-.104	-.236	-4.854	
738.019	3.370	-.003	.191	-.086	-.195	-4.128	
738.020	3.370	-.003	.191	-.086	-.195	-4.128	
748.018	3.370	-.003	.186	-.084	-.189	-4.060	
748.019	3.370	-.003	.186	-.084	-.189	-4.060	
758.117	3.370	-.003	.181	-.081	-.184	-3.993	
758.118	3.370	-.003	.181	-.081	-.184	-3.993	
791.504	3.370	-.003	.164	-.074	-.167	-3.773	
857.500	3.370	-.003	.129	-.053	-.132	-3.327	
923.400	3.283	-.004	.094	-.043	-.097	-2.847	
989.400	3.039	-.005	.060	-.028	-.083	-2.328	
1055.500	2.863	-.006	.030	-.014	-.032	-1.874	
1121.500	2.513	-.006	.004	-.002	-.005	-1.353	
1154.500	1.670	-.006	-.000	-.000	-.000	-.856	
1187.256	.902	-.004	-.002	.001	.001	-.436	
1220.200	.215	-.001	-.001	.000	.001	-.097	
1253.200	.000	.000	.000	.000	.000	.000	
1286.200	.000	.000	.000	.000	.000	.000	
1319.173	.000	.000	.000	.000	.000	.000	

PREPARED *
 CHECKED **
 APPROVED *
 DATE ***1/25/88*
 *** FUEL ***
 POINT NO. TG10554-12-1
 CASE NO. *** F10102
 PAGE NO. *5-2-92

FUEL WT. 450.0 LB.
 DENSITY 5.500 LB./GAL.
 LOAD AXIS ORIGIN
 ROTATIONAL AXIS ORIGIN
 TANK 1 2 3 4 5 6 7 8
 "T" 55.4 0 0 0 0 0 0 0

STA.	4ZPSIDS	4XGZ	4YPR	4ZPR
0.00	0.00	-7.921	1.587	6.333
120.051	0.443	-6.949	1.584	5.366
120.052	0.440	-6.949	1.584	5.355
197.900	0.707	-5.334	1.575	4.759
263.000	0.789	-5.850	1.490	4.360
329.800	0.984	-5.403	1.489	3.914
395.752	1.181	-4.957	1.489	3.463
469.386	1.402	-4.456	1.489	2.957
469.387	1.402	-4.456	1.489	2.967
481.259	1.436	-4.330	1.489	2.891
481.260	1.436	-4.380	1.489	2.891
492.552	1.470	-4.303	1.489	2.814
492.553	1.470	-4.303	1.489	2.814
527.700	1.674	-4.006	1.489	2.577
527.723	1.722	-3.731	1.489	2.242
577.275	1.722	-3.731	1.489	2.242
559.500	1.963	-3.174	1.489	1.585
733.919	2.205	-2.638	1.489	1.149
738.920	2.205	-2.638	1.489	1.149
748.918	2.235	-2.671	1.489	1.032
748.919	2.235	-2.671	1.489	1.032
758.917	2.264	-2.503	1.489	1.014
758.918	2.264	-2.503	1.489	1.014
791.534	2.562	-2.232	1.489	0.794
857.000	2.558	-1.837	1.489	0.348
923.400	2.672	-1.593	1.489	-0.060
989.400	2.604	-0.902	1.346	-0.362
1055.500	2.555	-0.605	1.268	-0.664
1121.500	2.403	-0.249	1.113	-0.964
1134.500	1.619	-0.117	0.740	-0.622
1137.256	0.866	-0.037	0.299	-0.362
1220.200	0.214	-0.002	0.095	-0.092
1253.200	0.000	0.000	0.000	0.000
1258.200	0.000	0.000	0.000	0.000
1319.176	0.000	0.000	0.000	0.000

PREPARED * * * * * UNIT I EXTERIOR LOADS PAGE NO. **3.2-93
 CHECKED ** * * * * * MODEL *****0-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG10554-12-1
 DATE *****11/03/68K CASE 1. *** F101J2

FUEL WT. +580.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12,000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.533 B.L. .000 Y.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.533 B.L. .000 Y.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1014.0	1788.0	1316.5

STA.	SZLZ	MXLZ	MYNZ	MYLX	SZTDC	SXTDC
.000	-72125.	-39.230	13.465	4.715	47828.	-3714.
120.331	-65741.	-30.834	17.636	4.116	45680.	-2264.
120.332	-65741.	-30.834	17.636	4.116	45680.	-2264.
197.900	-61070.	-23.974	16.946	3.765	43892.	-1303.
263.300	-56471.	-22.091	16.184	3.506	41919.	-394.
329.300	-52364.	-13.479	15.160	3.249	39266.	323.
395.752	-48349.	-15.142	14.443	3.017	37409.	343.
469.636	-46200.	-11.606	13.631	2.770	35305.	1329.
469.637	-46200.	-11.606	13.631	2.770	35305.	1329.
481.259	-46717.	-11.064	13.506	2.732	34962.	1404.
481.260	-34805.	-11.096	12.659	1.758	32528.	234.
492.632	-34205.	-10.718	12.371	1.732	32042.	316.
492.633	-34205.	-10.718	12.371	1.732	32042.	316.
527.700	-32353.	-9.553	11.793	1.651	30544.	364.
577.275	-30304.	-7.997	11.180	1.549	28957.	337.
577.276	-30304.	-7.997	11.180	1.549	28957.	337.
659.316	-27136.	-3.639	10.067	1.398	26073.	1201.
736.919	-24608.	-3.639	9.150	1.248	23700.	1448.
736.920	-24608.	-3.639	9.150	1.248	23700.	1448.
748.916	-24290.	-3.331	9.035	1.230	23401.	1479.
748.919	-13342.	-3.369	6.368	.224	17012.	-358.
753.917	-12966.	-3.246	6.413	.216	16610.	-323.
753.918	-12966.	-3.246	6.413	.216	16610.	-323.
791.354	-11736.	-2.846	5.907	.191	15300.	-230.
857.010	-10133.	-2.121	5.249	.144	13696.	-119.
923.400	-8435.	-1.521	4.441	.103	11504.	-30.
939.410	-8710.	-1.024	3.614	.068	9360.	26.
1056.300	-5553.	-.624	3.056	.040	7918.	54.
1121.350	-4196.	-.298	2.349	.017	6084.	64.
1154.300	-3117.	-.179	1.773	.011	4608.	62.
1167.250	-2213.	-.092	1.295	.006	3353.	54.
1220.200	-1331.	-.036	.412	.003	2103.	39.
1253.200	-332.	-.010	.212	.001	588.	12.
1263.200	-162.	-.003	.107	.000	278.	7.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * * UNIT I INERTIA LOADS FILE NO. **3.2-94
 CHECKED ** * MODEL ****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. FIG10554-12-1
 DATE *****11/13/58* CASE ID *** F10102

FUEL WT. 4050.0 LB. DENSITY 6.800 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 3.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 8.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.0	.0	.0	.0	.0	1010.0	1728.0	1306.0

ST4.	MXTD0	MYTD0	MZTD0	MYTOS	SZPD	MXPD
.000	32.235	-17.492	.214	-4.077	-101687.	-73.101
120.301	26.585	-17.122	-.165	-3.468	-100488.	-60.901
120.322	26.535	-17.122	-.165	-3.468	-100488.	-60.901
197.900	23.111	-16.708	-.302	-3.063	-98578.	-53.179
263.800	20.281	-16.234	-.360	-2.715	-95803.	-46.756
329.300	17.601	-15.443	-.367	-2.343	-92591.	-40.510
395.752	15.023	-14.903	-.326	-2.040	-89603.	-34.498
469.326	12.395	-14.270	-.245	-1.724	-86196.	-27.964
469.357	12.395	-14.270	-.245	-1.724	-86196.	-27.963
481.259	11.992	-14.173	-.233	-1.676	-85642.	-26.961
481.260	11.990	-13.719	-.236	-1.658	-72125.	-26.869
492.632	11.634	-13.549	-.231	-1.508	-71351.	-26.070
492.633	11.634	-13.549	-.231	-1.508	-71351.	-26.070
527.700	10.535	-13.023	-.215	-1.353	-68965.	-23.608
577.275	9.053	-12.510	-.121	-1.171	-66022.	-20.250
577.276	9.053	-12.510	-.181	-1.171	-66022.	-20.250
659.300	3.801	-11.419	-.097	-.882	-60964.	-15.020
733.919	4.331	-10.505	.003	-.663	-56328.	-10.356
733.920	4.831	-10.505	.008	-.663	-56328.	-10.355
743.913	4.583	-10.390	.021	-.635	-55743.	-9.758
743.919	4.606	-8.641	.015	-.462	-34688.	-9.643
753.317	4.447	-8.469	.012	-.439	-33862.	-9.313
753.318	4.447	-8.469	.012	-.439	-33862.	-9.313
791.504	3.923	-7.907	.003	-.365	-31430.	-8.256
857.500	2.974	-7.160	-.009	-.254	-28112.	-6.288
923.400	2.162	-6.170	-.013	-.153	-24112.	-4.595
989.400	1.479	-5.114	-.013	-.079	-19848.	-3.149
1055.300	.915	-4.407	-.010	-.027	-16796.	-1.941
1121.300	.448	-3.440	-.007	.011	-12964.	-.944
1134.300	.274	-2.654	-.005	.020	-9761.	-.572
1167.256	.145	-1.930	-.003	.023	-7044.	-.299
1220.230	.058	-1.290	-.001	.020	-4300.	-.116
1233.200	.017	-.354	-.000	.007	-1104.	-.035
1266.200	.005	-.135	-.000	.004	-547.	-.011
1319.173	.000	.000	.000	.000	0.	.000

[illegible]

TANK	1	2	3	4	5	6	7	8
WT. 350.0	1	1	1	1	1	1	1	1
1014.0								
1768.0								
1300.5								

[illegible]

PREPARED * * UNIT I INERTIA LOADS - USE INC. **3.2-96
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. FIG1054-12-
 DATE *****11/15/88* CASE I *** FID102

FUEL WT. 4653.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1116.583 B.L. .000 Y.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.583 B.L. .000 Y.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	656.9	.0	.0	.0	.0	1018.0	1753.0	1306.5

STA.	WZPSIDS	WZGR	WZPR	WZOP
.000	.000	-72.316	16.707	55.609
120.561	5.493	-60.105	16.326	43.779
120.562	5.498	-60.105	16.326	43.779
137.900	8.686	-52.336	15.715	36.471
263.300	11.058	-45.979	15.508	30.472
329.300	12.950	-39.749	14.681	25.063
395.752	14.305	-33.757	14.162	19.595
469.360	16.565	-27.247	13.554	13.693
469.387	16.565	-27.247	13.554	13.693
481.259	16.335	-26.249	13.461	12.788
481.260	16.555	-26.404	13.254	13.150
492.632	16.768	-25.607	13.086	12.522
492.633	16.763	-25.507	13.086	12.521
527.700	16.118	-23.152	12.567	10.593
577.275	16.716	-19.307	12.067	7.740
577.276	16.716	-19.307	12.067	7.740
639.600	17.193	-14.393	10.297	3.601
738.919	17.489	-9.956	10.105	-.150
738.920	17.489	-9.956	10.105	-.150
748.918	17.525	-9.371	9.993	-.623
748.919	12.741	-9.626	8.623	1.003
758.917	12.593	-9.301	8.451	.850
758.918	12.593	-9.301	8.451	.850
791.634	12.110	-8.241	7.391	.351
857.500	11.656	-5.272	7.145	-.373
923.400	10.623	-4.530	6.135	-1.575
939.400	9.260	-3.135	5.100	-1.966
1055.300	3.353	-1.933	4.404	-2.466
1121.300	6.322	-.942	3.433	-2.496
1154.300	6.317	-.571	2.662	-2.031
1137.256	3.981	-.298	1.979	-1.681
1220.200	2.555	-.117	1.290	-1.172
1253.200	.689	-.034	.353	-.319
1286.200	.357	-.011	.184	-.174
1319.173	.000	.000	.000	.000

PREPARED BY * * * * * UNIT INERTIA LOADS PAGE NO. *3.2-97
 CHECKED BY * * * * * NO. EL. ****0-5A
 APPROVED BY * * * * * *** 4005 (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *** 11/15/50 *** SHIPTON AXIS SYSTEM CASE ID *** F10102

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1116.533 B.L. .000 N.E. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.533 B.L. .000 N.E. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	250.0	.0	.0	.0	.0	1019.0	1763.0	1306.5

STA.	SXIX	SYIX	SZIX	YXIX	YZIX	WZIX
.000	-65459.	-22700.	-1.484	4.475	39.280	-10.630
120.361	-62400.	-20691.	-1.296	3.907	30.884	-7.871
120.362	-62400.	-20691.	-1.296	3.907	30.884	-7.871
107.960	-57367.	-14221.	-1.185	3.574	25.974	-6.304
263.000	-53001.	-17773.	-1.104	3.328	22.091	-5.110
329.300	-49703.	-16431.	-1.022	3.034	18.479	-3.745
395.752	-46041.	-15532.	-.950	2.864	15.142	-2.606
464.300	-43052.	-14541.	-.872	2.629	11.606	-1.413
469.067	-43052.	-14541.	-.872	2.629	11.606	-1.413
481.259	-43394.	-14389.	-.860	2.593	11.064	-1.244
481.260	-33037.	-10953.	-.553	1.568	11.096	-3.223
492.632	-32467.	-10766.	-.545	1.544	10.713	-3.068
492.633	-32467.	-10766.	-.545	1.544	10.713	-3.068
527.700	-30711.	-10183.	-.520	1.567	9.583	-2.616
577.275	-28784.	-9533.	-.483	1.470	7.947	-2.037
577.276	-27027.	-11999.	-.613	1.423	7.947	-2.067
659.000	-24917.	-10744.	-.550	1.275	5.689	-.962
738.319	-22547.	-9744.	-.494	1.146	3.589	-.051
738.320	-22547.	-9744.	-.494	1.146	3.589	-.051
748.918	-22305.	-9613.	-.487	1.130	3.311	.051
748.919	-12262.	-5283.	-.089	.205	3.389	-1.577
758.917	-11906.	-5134.	-.086	.193	3.246	-1.507
758.918	-11906.	-5134.	-.086	.193	3.246	-1.507
791.004	-10776.	-4647.	-.076	.175	2.546	-1.302
867.000	-9351.	-4032.	-.057	.133	2.121	-.963
923.000	-7746.	-3340.	-.041	.095	1.521	-.652
939.400	-6161.	-2657.	-.027	.062	1.024	-.408
1055.000	-5099.	-2129.	-.016	.035	.624	-.245
1121.000	-3855.	-1662.	-.007	.016	.293	-.105
1154.000	-2862.	-1234.	-.004	.010	.179	-.068
1157.256	-2132.	-.875.	-.002	.005	.092	-.049
1220.200	-1222.	-.527.	-.001	.002	.036	-.043
1253.200	-.300.	-.131.	-.000	.001	.010	-.016
1286.200	-.149.	-.64.	-.000	.000	.003	-.009
1319.173	.0.	.0.	-.000	.000	-.000	-.000

PREPARED *	*	JOINT INERTIA LOADS		WAGE NO. **3.2-99
CHECKED **	*			MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***		REPORT NO. *IG10S54-12-
DATE *****1/28/58*		SLEPT AXIS SYSTEM		CASE ID *** F10102

FUEL WT.	+550.0 LB.	DENSITY	6.500 LB./GAL.	ATTITUDE	-12.000 DEG.
LOAD AXIS ORIGIN		F.S.	1106.583	B.L.	.000
ROTATIONAL AXIS ORIGIN		F.S.	1106.583	B.L.	.000

TANK	1	2	3	4	5	6	7	8
------	---	---	---	---	---	---	---	---

WT.	550.0	.0	.0	.0	.0	1018.0	1763.0	1306.5
-----	-------	----	----	----	----	--------	--------	--------

STA.	4XTDS	4YTDG	4ZTDG	5XTDS	5YTDG	5ZTDG
.000	34.467	-1.525	.214	45395.	15053.	3714.
120.361	28.487	-1.444	-.165	43358.	14377.	2264.
120.362	28.487	-1.444	-.165	43358.	14377.	2264.
197.900	24.783	-1.325	-.302	41661.	13814.	1303.
263.800	21.733	-1.270	-.360	39788.	13193.	394.
329.800	18.673	-.993	-.367	37271.	12356.	-323.
395.752	15.183	-.832	-.326	35507.	11774.	-843.
469.866	13.313	-.732	-.245	33511.	11112.	-1329.
469.867	13.313	-.732	-.245	33510.	11112.	-1329.
481.259	12.381	-.776	-.233	33204.	11011.	-1404.
481.260	12.953	-.967	-.236	30875.	10238.	-234.
492.632	12.564	-.926	-.231	30414.	10085.	-315.
492.633	12.564	-.926	-.231	30414.	10085.	-315.
527.700	11.372	-.823	-.215	28991.	9613.	-564.
577.275	9.301	-.777	-.181	27485.	9114.	-837.
577.276	9.331	.077	-.181	26891.	8845.	-867.
659.300	7.303	.241	-.097	23943.	10324.	-1201.
736.913	5.126	.313	.006	21763.	9384.	-1443.
736.920	5.126	.313	.003	21763.	9384.	-1443.
746.913	4.657	.312	.021	21498.	9265.	-1479.
746.919	5.131	-.267	.015	15622.	6736.	353.
753.917	4.943	-.245	.012	15253.	6577.	323.
758.913	4.943	-.245	.012	15253.	6577.	323.
791.304	4.361	-.192	.003	14650.	6050.	230.
857.300	3.300	-.143	-.009	12434.	5332.	119.
923.400	2.381	-.034	-.013	10564.	4558.	30.
939.400	1.612	-.005	-.013	8595.	3706.	-23.
1055.300	.999	-.005	-.010	7263.	3134.	-54.
1121.300	.486	.006	-.007	5537.	2409.	-64.
1154.300	.301	-.007	-.005	4230.	1824.	-62.
1187.250	.169	-.027	-.003	3079.	1328.	-54.
1220.200	.034	-.047	-.001	1931.	838.	-39.
1253.200	.027	-.019	-.000	505.	218.	-12.
1286.200	.011	-.013	-.000	255.	116.	-7.
1319.173	-.000	.000	.000	0.	0.	-0.

PREPARED * * UNIT I INERTIA LOADS PAGE 004 **3.2-100
 CHECKED ** * * * * *
 APPROVED * * * * *
 DATE ***11/13/68* S-EPT AXIS SYSTEM PAGE 10 *** FI0102

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.533 S.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.383 S.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 350.3 .0 .0 .0 .0 1013.3 1743.0 1306.5

STA.	AXIDS	MYIDS	AZIDS	SPRD	MXPD	MYPD
.000	1.360	-3.420	-32.235	-101687.	-76.054	-2.696
120.361	.829	-3.024	-26.585	-100486.	-63.206	-2.683
120.362	.829	-3.024	-26.585	-100486.	-63.205	-2.683
197.900	.603	-2.791	-23.111	-98578.	-55.077	-2.661
263.300	.489	-2.617	-20.281	-95603.	-48.330	-2.602
329.300	.411	-2.406	-17.601	-92591.	-41.714	-2.910
395.752	.397	-2.231	-15.083	-89803.	-35.372	-2.935
469.356	.421	-2.047	-12.395	-86196.	-28.483	-2.948
469.337	.421	-2.047	-12.395	-86196.	-28.483	-2.948
431.259	.425	-2.021	-11.932	-85642.	-27.431	-2.936
481.250	.286	-1.613	-11.990	-72125.	-28.116	-.579
492.532	.282	-1.535	-11.634	-71351.	-27.262	-.616
492.535	.282	-1.535	-11.634	-71351.	-27.262	-.616
527.700	.272	-1.504	-10.535	-63965.	-24.640	-.697
577.275	.275	-1.407	-9.058	-66022.	-21.058	-.713
577.276	.397	-1.373	-9.058	-66022.	-20.957	-2.541
659.000	.422	-1.224	-6.801	-60964.	-15.155	-2.693
736.919	.482	-1.098	-4.831	-56323.	-10.100	-2.729
736.920	.482	-1.098	-4.831	-56323.	-10.100	-2.729
748.913	.490	-1.083	-4.583	-55743.	-9.467	-2.713
748.919	.143	-.295	-4.506	-34602.	-10.583	.223
756.917	.136	-.234	-4.447	-33562.	-10.230	.192
756.916	.136	-.234	-4.447	-33562.	-10.230	.192
791.304	.111	-.251	-3.923	-31430.	-9.050	.132
857.300	.073	-.191	-2.974	-28112.	-6.883	.082
924.400	.045	-.136	-2.162	-24113.	-4.961	-.026
939.400	.025	-.090	-1.479	-19546.	-3.389	-.092
1055.300	.012	-.034	-.915	-16796.	-2.086	-.064
1121.300	.003	-.024	-.448	-12964.	-1.001	-.052
1154.300	.001	-.015	-.274	-9781.	-.614	-.023
1137.256	.001	-.008	-.145	-7044.	-.323	.029
1220.200	-.000	-.003	-.058	-4300.	-.164	.033
1253.200	-.000	-.001	-.017	-1104.	-.083	.035
1236.200	-.000	-.000	-.005	-547.	-.022	.024
1319.173	.000	.000	-.000	0.	-.000	.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-10/
 CHECKED ** * MODEL *****0-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *LG1US54-12-1
 DATE *****11/15/68* SWEEP AXIS SYSTEM PAGE 1L *** F10102

FUEL WT. +650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	255.2	.0	.0	.0	.0	1018.5	1766.0	1306.5

STA.	MZPD	SKPS	GYPS	WYPS	WYPS	MZPS
.000	.593	-32005.	95319.	8.416	2.161	21.158
120.361	.474	-31627.	95379.	7.131	1.865	17.157
120.362	.474	-31627.	95379.	7.131	1.865	17.157
197.930	.431	-31026.	93569.	6.431	1.673	14.620
263.300	.426	-30153.	90934.	5.926	1.516	12.552
329.300	.384	-29142.	87886.	5.465	1.403	10.367
395.752	.388	-28264.	85239.	5.088	1.273	8.347
469.386	.410	-27129.	81315.	4.722	1.134	6.166
469.387	.410	-27129.	81315.	4.722	1.134	6.166
481.259	.415	-26955.	81290.	4.666	1.110	5.847
431.260	.213	-22700.	63459.	3.454	.920	8.300
492.632	.210	-22457.	67725.	3.403	.907	7.995
492.633	.210	-22457.	67725.	3.403	.907	7.995
527.700	.203	-21706.	65460.	3.246	.862	7.094
577.275	.213	-20780.	62367.	3.061	.791	5.964
577.276	.213	-20780.	62367.	3.061	.791	5.964
659.500	.234	-24133.	55981.	2.727	.821	3.543
733.919	.276	-22303.	51724.	2.541	.795	1.493
733.920	.276	-22303.	51724.	2.541	.795	1.493
743.910	.282	-22071.	51138.	2.513	.779	1.257
743.911	.021	-13793.	31779.	.624	.247	4.401
750.917	.010	-13407.	31094.	.601	.240	4.227
750.918	.010	-13407.	31094.	.601	.240	4.227
791.504	.010	-12443.	28362.	.525	.215	3.704
857.500	.003	-11131.	25514.	.390	.165	2.500
923.400	-.003	-9548.	22143.	.275	.122	1.950
989.400	-.005	-7853.	18224.	.179	.083	1.258
1055.300	-.004	-6550.	15423.	.102	.049	.757
1121.300	-.003	-5133.	11905.	.044	.022	.339
1184.300	-.002	-3873.	8492.	.027	.014	.222
1187.256	-.002	-2789.	6463.	.014	.008	.150
1220.250	-.001	-1703.	3949.	.006	.004	.141
1253.200	-.001	-437.	1014.	.002	.001	.053
1286.200	-.000	-217.	503.	.001	.001	.031
1319.173	.000	0.	-0.	.000	.000	.000

PREPARED * *	JMIT INERTIA LOADS	WAGE NO. **3.2-102
CHECKED ** *		MODEL *****0-5A
APPROVED * *	** FUEL (FUEL INCLUDED) **	REPORT NO. * IG10S54-12-
DATE ***11/01/58*	SLEEP AXIS SYSTEM	WAGE ID *** F10102

FUEL WT. 4330.0 LB.	DENSITY 6.500 LB./GAL.	ALTITUDE -12.000 DEG.
LOAD AXIS ORIGIN	F.S. 1105.593 B.L.	.000 A.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1105.593 B.L.	.000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	333.3	.0	.0	.0	.0	1010.5	1703.0	1300.5

STA.	3XPSID0	SYPSID0	XPSPID0	4YPSID0	2ZPSID0	4ZPSID0S
.000	111571.	35530.	-.259	-9.993	-84.612	-11.047
129.361	109756.	33776.	-.155	-7.974	-70.441	-9.429
129.362	109756.	33775.	-.153	-7.974	-70.441	-9.429
197.300	107353.	32263.	-.104	-7.340	-61.443	-8.492
263.300	104127.	30526.	-.066	-6.330	-54.043	-7.730
329.300	100244.	28935.	-.038	-6.331	-46.632	-7.234
395.752	97013.	27464.	-.011	-5.353	-39.683	-6.736
469.365	92927.	25867.	.019	-5.350	-32.182	-6.229
469.387	92927.	25867.	.019	-5.350	-32.182	-6.229
481.259	92300.	25622.	.023	-5.272	-31.089	-6.135
481.260	75697.	22473.	-.139	-4.054	-31.398	-3.690
492.332	77310.	22158.	-.134	-3.991	-30.441	-3.638
492.333	77310.	22153.	-.134	-3.991	-30.441	-3.638
527.700	75073.	21170.	-.120	-3.799	-27.512	-3.442
577.275	71731.	19985.	-.099	-3.546	-23.529	-3.094
577.276	72092.	20373.	.210	-3.542	-23.529	-3.094
639.300	66305.	23035.	.203	-3.142	-17.267	-3.256
738.919	61108.	20973.	.198	-2.790	-11.593	-3.339
738.920	61109.	20973.	.193	-2.790	-11.593	-3.339
748.918	60453.	20713.	.197	-2.745	-11.007	-3.326
748.919	33515.	14032.	-.022	-.724	-11.913	-.205
758.917	37671.	13703.	-.021	-.700	-11.485	-.220
758.918	37671.	13703.	-.021	-.700	-11.485	-.220
791.364	34920.	12653.	-.019	-.622	-10.145	-.224
857.500	31197.	11240.	-.014	-.477	-7.710	-.174
923.400	26098.	9575.	-.010	-.345	-5.581	-.211
989.400	21930.	7632.	-.007	-.231	-3.773	-.221
1065.300	18557.	6601.	-.004	-.137	-2.529	-.143
1121.300	14317.	5074.	-.002	-.062	-1.130	-.109
1154.300	10306.	3315.	-.002	-.033	-.697	-.052
1137.256	7796.	2739.	-.001	-.021	-.390	.015
1220.200	4781.	1667.	-.000	-.003	-.194	.033
1253.200	1232.	426.	-.000	-.003	-.063	.036
1286.200	613.	210.	-.000	-.001	-.027	.025
1319.175	-0.	-0.	-.000	.000	.000	.000

PREPARED * * * UNIT I INERTIA LOADS PAGE NO. **3.2-104
 CHECKED * * * MODEL *****Q-5A
 APPROVED * * * *** VIB (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *** 1/10/60 *** 5 GPT AXIS SYSTEM CASE 1 *** F10102

FUEL WT. 4350.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12,000 DEG.
 LOAD AXIS ORIGIN F.S. 1115.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1115.533 B.L. .000 A.L. 265.000

TRUCK	1	2	3	4	5	6	7	8
WT.	650.2	.1	.1	.1	.0	1013.5	1743.0	1305.5

SEA.	XP2	XP3	XP4
.000	-5.580	7.057	50.304
120.351	-4.589	5.302	50.564
120.352	-4.589	6.302	50.564
137.900	-4.469	5.323	44.119
263.300	-4.134	5.437	33.692
329.300	-3.814	5.054	33.623
335.752	-3.509	4.691	23.568
409.385	-3.181	4.301	23.029
409.387	-3.181	4.301	23.029
481.259	-3.131	4.241	22.170
481.260	-2.533	3.168	21.374
492.532	-2.492	3.120	21.237
492.533	-2.492	3.120	21.237
527.700	-2.366	2.975	19.247
577.273	-2.193	2.735	16.428
577.273	-2.432	2.534	15.423
654.500	-2.145	2.304	12.350
738.919	-1.393	2.059	3.613
738.920	-1.893	2.059	3.613
748.913	-1.331	2.028	3.131
748.919	-.342	.431	7.366
758.917	-.324	.405	7.134
758.913	-.524	.435	7.134
791.504	-.466	.413	3.355
857.500	-.356	.317	4.349
923.400	-.258	.230	3.594
989.400	-.173	.153	2.506
1055.500	-.133	.091	1.541
1121.500	-.047	.031	.737
1154.500	-.029	.025	.447
1137.256	-.016	.014	.208
1220.256	-.007	.006	.041
1253.200	-.002	.002	.006
1266.200	-.001	.001	-.006
1319.173	.000	-.000	.000

PREPARED * * * * *
 CHECKED * * * * *
 APPROVED * * * * *
 DATE **K11/08/68*

UNIT INERTIA LOADS

PAGE 2. **3.2-105
 MODEL *****C-5A
 REPORT NO. * LG10554-12-
 CASE 1. *** FIN105

FUEL WT. 4650.0 LB. DENSITY 6.600 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.533 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.533 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1013.0	1764.0	1306.5

SFA	SZ12	MY12	MY13	MY14	SZ13	SX13
.100	-4650.	-3.264	1.570	.253	4060.	-371.
120.361	-4650.	-2.704	1.570	.210	4060.	-371.
120.362	-4650.	-2.704	1.570	.210	4060.	-371.
197.900	-4276.	-2.356	1.525	.176	3950.	-313.
263.500	-2400.	-2.123	1.247	.164	3231.	21.
329.300	-2325.	-1.969	1.239	.151	3210.	32.
393.752	-2325.	-1.916	1.239	.139	3210.	32.
469.685	-2325.	-1.643	1.239	.126	3210.	32.
469.687	-2325.	-1.643	1.239	.126	3210.	32.
481.259	-2325.	-1.617	1.239	.124	3210.	32.
481.260	-2325.	-1.617	1.239	.124	3210.	32.
492.632	-2325.	-1.590	1.239	.122	3210.	32.
492.633	-2325.	-1.590	1.239	.122	3210.	32.
527.700	-2325.	-1.509	1.239	.115	3210.	32.
577.273	-2325.	-1.394	1.239	.106	3210.	32.
577.275	-2325.	-1.394	1.239	.106	3210.	32.
639.000	-2325.	-1.202	1.239	.091	3210.	32.
736.919	-2325.	-1.016	1.239	.077	3210.	32.
736.920	-2325.	-1.016	1.239	.077	3210.	32.
748.916	-2325.	-.995	1.239	.075	3210.	32.
748.919	-2325.	-.995	1.239	.075	3210.	32.
756.917	-2325.	-.971	1.239	.073	3210.	32.
756.918	-2325.	-.971	1.239	.073	3210.	32.
791.364	-2325.	-.396	1.239	.066	3210.	32.
837.500	-2325.	-.742	1.239	.056	3210.	32.
923.400	-2325.	-.589	1.239	.044	3210.	32.
959.100	-2325.	-.433	1.239	.032	3210.	32.
1055.300	-2325.	-.262	1.239	.020	3210.	32.
1121.300	-2442.	-.150	1.147	.009	2972.	32.
1134.300	-1565.	-.069	.855	.005	2211.	32.
1137.250	-1004.	-.026	.550	.003	1451.	27.
1220.200	-348.	-.003	.199	.001	515.	12.
1253.200	0.	.000	.000	.000	0.	0.
1286.200	0.	.000	.000	.000	0.	0.
1319.273	0.	.000	.000	.000	0.	0.

PREPARED *
 CHECKED **
 APPROVED *
 DATE *****11/08/68*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-106
 MODEL *****C-5A
 REPORT NO. **IG1054-12-
 CASE ID *** F10103

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ATTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.9	.0	.0	.0	.0	1018.5	1768.0	1300.5

STA.	MXTOO	MYTOO	MZTOO	MYTDS	SZPD	MXPD
.000	3.978	-1.840	.054	-.347	-8454.	-8.601
120.361	3.489	-1.843	.010	-.309	-8454.	-7.647
120.362	3.489	-1.843	.010	-.309	-8454.	-7.647
197.900	3.177	-1.832	-.018	-.276	-8293.	-6.999
263.800	2.935	-1.722	-.030	-.209	-7138.	-6.480
329.800	2.723	-1.720	-.028	-.191	-7086.	-6.012
395.752	2.512	-1.720	-.026	-.175	-7086.	-5.544
469.886	2.274	-1.720	-.023	-.157	-7086.	-5.019
469.887	2.274	-1.720	-.023	-.157	-7086.	-5.019
481.259	2.237	-1.720	-.023	-.154	-7086.	-4.938
481.260	2.237	-1.720	-.023	-.154	-7086.	-4.938
492.632	2.201	-1.720	-.023	-.151	-7086.	-4.858
492.633	2.201	-1.720	-.023	-.151	-7086.	-4.858
527.700	2.088	-1.720	-.022	-.142	-7086.	-4.609
577.275	1.929	-1.719	-.020	-.130	-7086.	-4.258
577.276	1.929	-1.719	-.020	-.130	-7086.	-4.258
659.000	1.665	-1.719	-.017	-.109	-7086.	-3.074
738.919	1.410	-1.719	-.015	-.090	-7086.	-3.112
738.920	1.410	-1.719	-.015	-.090	-7086.	-3.112
748.918	1.378	-1.719	-.015	-.087	-7086.	-3.041
748.919	1.378	-1.719	-.015	-.087	-7086.	-3.041
758.917	1.346	-1.719	-.014	-.085	-7086.	-2.970
758.918	1.346	-1.719	-.014	-.085	-7086.	-2.970
791.504	1.242	-1.719	-.013	-.076	-7086.	-2.739
857.500	1.030	-1.719	-.011	-.060	-7086.	-2.271
923.400	.818	-1.719	-.009	-.044	-7086.	-1.804
989.400	.606	-1.718	-.007	-.027	-7086.	-1.338
1055.300	.395	-1.718	-.005	-.011	-7086.	-.869
1121.300	.184	-1.598	-.003	.005	-6558.	-.404
1154.300	.098	-1.214	-.002	.010	-4855.	-.215
1187.256	.037	-.812	-.001	.010	-3152.	-.081
1220.200	.004	-.295	-.000	.005	-1109.	-.009
1253.200	.000	.000	.000	.000	0.	.000
1286.200	.000	.000	.000	.000	0.	.000
1319.173	.000	.000	.000	.000	0.	.000

PREPARED *
CHECKED **
APPROVED *
DATE *****11/08/68*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-107
MODEL *****C-5A
REPORT NO. **IG1054-12-
CASE ID *** F10103

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ATTITUDE .000 DEG.
LOAD AXIS ORIGIN F.S. 1116.583 B.L. .000 W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.930

TANK 1 2 3 4 5 6 7 8
WT. 550.9 .0 .0 .0 .0 1018.5 1768.0 1300.5

STA.	MYPD	MZPD	MXPS	MXPSIDD	MYPSIDD	MZPSIDD
.000	3.978	.041	.721	-.306	-.666	-10.506
120.361	3.978	.041	.597	-.268	-.587	-9.488
120.362	3.978	.041	.597	-.268	-.587	-9.488
197.900	3.959	.034	.517	-.242	-.534	-8.823
263.300	3.788	-.017	.468	-.226	-.498	-8.199
329.800	3.782	-.018	.433	-.209	-.461	-7.727
395.752	3.782	-.018	.399	-.193	-.425	-7.260
469.386	3.782	-.018	.361	-.174	-.384	-6.735
469.387	3.782	-.018	.361	-.174	-.384	-6.734
481.259	3.762	-.018	.355	-.172	-.378	-6.654
481.260	3.762	-.018	.355	-.172	-.378	-6.654
492.632	3.782	-.018	.349	-.169	-.371	-6.573
492.633	3.782	-.018	.349	-.169	-.371	-6.573
527.700	3.782	-.018	.331	-.160	-.352	-6.325
577.275	3.782	-.018	.305	-.148	-.325	-5.974
577.276	3.782	-.018	.305	-.148	-.325	-5.974
659.500	3.782	-.018	.262	-.127	-.280	-5.390
738.919	3.782	-.018	.221	-.107	-.236	-4.828
738.920	3.782	-.018	.221	-.107	-.236	-4.828
748.913	3.782	-.018	.216	-.105	-.230	-4.757
748.919	3.782	-.018	.216	-.105	-.230	-4.757
758.917	3.782	-.018	.211	-.103	-.225	-4.686
758.918	3.782	-.018	.211	-.103	-.225	-4.686
791.504	3.782	-.018	.194	-.094	-.207	-4.456
857.500	3.782	-.018	.160	-.078	-.171	-3.988
923.400	3.782	-.018	.125	-.062	-.134	-3.521
989.400	3.782	-.018	.091	-.045	-.098	-3.053
1055.300	3.782	-.018	.057	-.029	-.062	-2.586
1121.300	3.516	-.018	.024	-.013	-.027	-2.001
1154.300	2.654	-.018	.016	-.009	-.018	-1.428
1187.256	1.759	-.015	.010	-.005	-.011	-.893
1220.200	.633	-.007	.004	-.002	-.004	-.304
1253.200	.000	.000	.000	.000	.000	.000
1286.200	.000	.000	.000	.000	.000	.000
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * *
 CHECKED ** *
 APPROVED * *
 DATE *****11/06/68*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-108
 MODEL *****C-5A
 REPORT NO. *IG1US54-12-
 CASE ID *** FI0103

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ATTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.0	.0	.0	.0	.0	1018.5	1768.0	1300.5

STA.	MZPSIDS	MXGR	MYPR	MZPQ
.000	.000	-8.666	1.845	6.821
120.361	.489	-7.645	1.841	5.803
120.362	.489	-7.645	1.841	5.803
197.900	.782	-6.991	1.824	5.167
263.800	.852	-6.475	1.718	4.758
329.800	1.059	-6.007	1.715	4.292
395.752	1.270	-5.540	1.715	3.825
469.826	1.508	-5.015	1.716	3.299
469.867	1.508	-5.015	1.716	3.299
481.259	1.545	-4.934	1.716	3.219
481.260	1.545	-4.934	1.716	3.219
492.632	1.581	-4.854	1.716	3.138
492.633	1.581	-4.854	1.716	3.138
527.700	1.694	-4.605	1.716	2.890
577.275	1.853	-4.254	1.716	2.538
577.276	1.853	-4.254	1.716	2.538
659.600	2.117	-3.671	1.716	1.955
738.919	2.372	-3.109	1.716	1.393
738.920	2.372	-3.109	1.716	1.393
748.918	2.404	-3.038	1.716	1.322
748.919	2.404	-3.038	1.716	1.322
758.917	2.436	-2.967	1.716	1.251
758.918	2.436	-2.967	1.716	1.251
791.504	2.540	-2.737	1.716	1.020
857.500	2.752	-2.269	1.716	.553
923.400	2.964	-1.802	1.717	.086
989.400	3.176	-1.335	1.717	-.382
1055.300	3.387	-.868	1.717	-.849
1121.300	3.332	-.403	1.597	-1.194
1154.300	2.556	-.214	1.214	-1.000
1187.256	1.722	-.081	.812	-.731
1220.200	.629	-.009	.295	-.286
1253.200	.000	.000	.000	.000
1286.200	.000	.000	.000	.000
1319.173	.000	.000	.000	.000

PREPARED * * * UNIT I. INERTIA LOADS PAGE NO. **3.2-109
 CHECKED ** * * * MODEL *****C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *****11/22/68* CASE ID *** F10103

FUEL WT. 4050.0 LB. DENSITY 6.300 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.2	.0	.0	.0	.0	1012.5	1763.0	1300.5

STA.	SZU2	MXU2	MYU2	MYU3	SZU2	SXU2
.000	-72125.	-39.420	13.622	4.734	48232.	-3665.
120.361	-65741.	-31.044	17.793	4.135	46082.	-2215.
120.362	-65741.	-31.044	17.793	4.135	46082.	-2215.
137.950	-61417.	-26.114	17.091	3.783	44268.	-1319.
263.300	-56509.	-22.219	16.277	3.517	42158.	-371.
329.300	-52364.	-18.605	15.248	3.260	39492.	351.
395.732	-49349.	-15.268	14.530	3.023	37635.	871.
469.355	-46200.	-11.733	13.713	2.781	35531.	1353.
469.337	-46200.	-11.733	13.713	2.781	35531.	1353.
481.259	-45717.	-11.190	13.592	2.743	35200.	1432.
481.260	-34805.	-11.222	12.546	1.769	32754.	262.
492.532	-34205.	-10.845	12.458	1.742	32268.	343.
492.533	-34205.	-10.845	12.458	1.742	32268.	343.
527.700	-32335.	-9.679	11.360	1.562	30770.	592.
577.270	-31304.	-8.123	11.267	1.560	29135.	865.
577.276	-31304.	-8.123	11.267	1.560	29135.	865.
659.500	-27135.	-5.756	10.154	1.399	26299.	1229.
733.919	-24808.	-3.716	9.238	1.259	23926.	1476.
736.920	-24808.	-3.716	9.238	1.259	23926.	1476.
746.916	-24290.	-3.457	9.122	1.241	23627.	1507.
748.919	-13342.	-3.496	6.655	.235	17238.	-300.
756.917	-12965.	-3.373	6.500	.227	16836.	-300.
756.915	-12965.	-3.373	6.500	.227	16836.	-300.
791.504	-11736.	-2.973	5.994	.202	15525.	-202.
857.500	-10133.	-2.246	5.336	.155	13621.	-91.
923.400	-8523.	-1.647	4.564	.114	11828.	-4.
939.400	-7041.	-1.135	3.837	.079	9937.	50.
1056.300	-5035.	-.703	3.346	.049	8665.	75.
1121.500	-4747.	-.347	2.609	.025	6913.	65.
1154.500	-3555.	-.209	2.092	.016	5418.	63.
1157.255	-2678.	-.106	1.567	.010	4052.	73.
1220.200	-1555.	-.038	.943	.004	2442.	48.
1253.200	-332.	-.010	.212	.001	550.	12.
1266.200	-162.	-.003	.107	.000	275.	7.
1319.170	0.	.000	.000	.000	0.	0.

PREPARED * *
 CHECKED ** *
 APPROVED * *
 DATE *****11/17/60*

UNIT INERTIA LOADS

*** WING (FUEL INCLUDED) ***

WING NO. *13.2-110
 WING ***10-5A
 REPORT NO. *IG1US54-12-1
 CASE ID *** F10103

FUEL WT. 4030.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.583 S.L. 000 L.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.583 S.L. 000 L.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	333.0	.0	.0	.0	.0	1010.5	1773.0	1300.5

SIA	MYTOD	MYTOD	MYTOD	MYTOD	MYTOD	MYTOD	MYTOD
0.000	32.688	-17.753	.153	-4.112	-102101.	-73.650	
120.361	26.990	-17.333	-.190	-3.498	-100901.	-61.599	
120.362	26.990	-17.333	-.190	-3.498	-100901.	-61.599	
197.900	23.484	-16.954	-.327	-3.104	-99110.	-53.638	
263.800	20.633	-16.516	-.385	-2.731	-96157.	-47.385	
329.300	17.938	-15.673	-.390	-2.356	-92910.	-41.118	
398.752	15.405	-15.133	-.347	-2.052	-90130.	-35.084	
469.856	12.700	-14.500	-.264	-1.735	-86520.	-28.525	
469.857	12.700	-14.500	-.264	-1.735	-86520.	-28.525	
481.259	12.255	-14.403	-.251	-1.687	-85970.	-27.519	
481.260	12.253	-13.949	-.255	-1.569	-72452.	-27.427	
492.632	11.934	-13.778	-.249	-1.519	-71678.	-26.624	
492.633	11.934	-13.778	-.249	-1.519	-71678.	-26.624	
527.700	10.829	-13.252	-.233	-1.363	-69292.	-24.150	
577.275	9.339	-12.740	-.197	-1.181	-66350.	-20.776	
577.276	9.339	-12.740	-.197	-1.181	-66350.	-20.776	
659.600	7.084	-11.648	-.110	-.996	-61291.	-15.519	
736.919	5.076	-10.734	-.004	-.670	-56655.	-10.626	
736.920	5.076	-10.734	-.004	-.670	-56655.	-10.626	
746.916	4.325	-10.610	.010	-.641	-56071.	-10.237	
746.919	4.848	-8.870	.003	-.468	-34930.	-10.113	
756.917	4.687	-8.698	.001	-.445	-34159.	-9.735	
756.918	4.687	-8.698	.001	-.445	-34159.	-9.734	
791.304	4.161	-8.136	-.007	-.370	-31750.	-8.714	
857.000	3.192	-7.339	-.017	-.259	-28439.	-6.722	
923.400	2.364	-6.435	-.019	-.161	-24648.	-5.005	
989.400	1.650	-5.437	-.013	-.084	-20985.	-3.502	
1055.300	1.043	-4.656	-.014	-.029	-18320.	-2.206	
1121.300	.522	-3.924	-.009	.012	-14604.	-1.099	
1154.300	.321	-3.128	-.006	.023	-11409.	-.670	
1187.256	.166	-2.393	-.003	.025	-8509.	-.343	
1220.200	.061	-1.491	-.001	.023	-5012.	-.125	
1253.200	.017	-.354	-.000	.007	-1104.	-.035	
1286.200	.005	-.185	-.000	.004	-547.	-.011	
1319.175	.000	.000	.000	.000	.0	.000	

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-///
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG10554-12-
 DATE *****12/02/66* CASE #L *** FIC103

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ATTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.9	.4	.0	.7	.0	1618.0	1708.0	1306.5

STA.	MYPD	MZPD	MXPS	MXPS100	MYPS100	MZPS100
.000	32.668	.495	8.704	-3.117	-8.521	-90.514
120.361	32.537	.804	7.393	-2.694	-7.583	-78.133
120.362	32.537	.804	7.393	-2.694	-7.583	-78.133
197.900	32.245	.651	6.667	-2.443	-6.943	-70.001
263.800	31.754	.489	6.131	-2.242	-6.516	-63.121
329.300	30.963	.298	5.659	-2.058	-6.049	-56.026
395.752	30.299	.171	5.261	-1.882	-5.617	-49.473
469.586	29.372	.043	4.868	-1.692	-5.132	-42.306
469.587	29.372	.043	4.868	-1.692	-5.132	-42.306
481.259	29.229	.024	4.808	-1.663	-5.049	-41.207
481.260	29.056	.135	3.597	-1.434	-3.852	-40.907
492.632	27.813	.109	3.544	-1.410	-3.794	-39.937
492.633	27.813	.109	3.544	-1.410	-3.794	-39.937
527.700	27.065	.028	3.382	-1.335	-3.615	-36.944
577.275	26.186	-.054	3.184	-1.234	-3.311	-33.070
577.276	26.186	-.054	3.184	-1.234	-3.311	-33.070
659.600	24.411	-.185	2.698	-1.040	-3.019	-26.742
738.919	22.732	-.275	2.678	-.945	-2.682	-21.161
738.920	22.732	-.275	2.678	-.945	-2.682	-21.161
748.918	22.520	-.287	2.650	-.928	-2.640	-20.457
748.919	17.756	.139	.701	-.328	-.647	-18.964
758.917	17.451	.127	.676	-.316	-.675	-18.463
758.918	17.451	.127	.676	-.316	-.675	-18.463
791.304	16.450	.085	.597	-.285	-.604	-16.832
857.300	15.043	.038	.454	-.221	-.471	-14.094
920.400	13.278	-.004	.331	-.165	-.351	-11.423
959.400	11.483	-.032	.227	-.116	-.245	-8.975
1055.300	10.187	-.044	.141	-.073	-.164	-7.058
1121.300	8.273	-.050	.070	-.037	-.078	-5.021
1154.300	6.575	-.049	.046	-.025	-.052	-3.797
1187.258	4.984	-.043	.028	-.015	-.031	-2.735
1220.200	3.642	-.020	.012	-.006	-.013	-1.613
1253.200	.786	-.008	.002	-.001	-.003	-.388
1286.200	.362	-.005	.001	-.001	-.001	-.195
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * * * UNIT I EXTRA LOADS CASE NO. **3.2-112
 CHECKED ** * * * FUEL ***C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE ****11/02/66* CASE IN *** F10103

FUEL WT. 4630.0 LB. DENSITY 6.500 LB./GAL. T. YUUE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1116.563 B.L. .000 P.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.563 G.L. .000 S.L. 205.000

TANK	1	2	3	4	5	6	7	8
WT.	550.3	.0	.0	.0	.0	1018.5	1768.0	1300.5

SIA.	MZPSIDE	MXOP	MYPP	MZPO
.000	.000	-73.061	16.964	56.096
120.361	5.547	-60.801	16.584	44.217
120.362	5.547	-60.801	16.584	44.217
197.900	8.761	-53.042	16.164	36.879
263.800	11.121	-46.605	15.735	30.870
329.800	13.025	-40.353	14.907	25.445
395.752	14.894	-34.340	14.389	19.951
469.866	16.671	-27.806	13.781	14.025
469.867	16.672	-27.806	13.731	14.025
481.259	16.944	-26.804	13.688	13.116
481.260	15.763	-26.950	13.481	13.478
492.632	15.879	-26.158	13.312	12.846
492.633	15.879	-26.158	13.312	12.846
527.700	16.237	-23.691	12.794	10.898
577.275	16.847	-20.330	12.294	8.037
577.276	16.847	-20.330	12.294	8.037
659.500	17.347	-18.094	11.224	3.871
738.919	17.656	-10.427	10.332	.004
738.920	17.656	-10.427	10.332	.004
748.918	17.695	-9.836	10.220	-.322
748.919	12.910	-10.094	8.851	1.243
758.917	12.764	-9.765	8.679	1.087
758.918	12.764	-9.765	8.679	1.087
791.504	12.269	-8.695	8.118	.577
857.500	11.652	-6.704	7.372	-.666
923.400	10.915	-4.869	6.418	-1.430
989.400	9.652	-3.487	5.473	-1.985
1055.300	9.145	-2.202	4.652	-2.651
1121.300	7.751	-1.096	3.922	-2.625
1154.300	6.254	-.668	3.127	-2.458
1187.256	4.818	-.342	2.391	-2.049
1220.200	2.981	-.124	1.490	-1.366
1253.200	.689	-.034	.353	-.319
1286.200	.357	-.011	.184	-.174
1319.170	.000	.000	.000	.000

PREPARED * * UNIT I BENTON LOADS PAGE 01 **3.2-113
 CHECKED ** * MODEL ***C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-
 DATE ***11/1/60* SHEET AXIS SYSTEM CASE 11 *** F10113

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 1000.000
 LOAD AXIS ORIGIN F.S. 11 6.583 S.L. 0.000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 11 6.583 S.L. 0.000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	553.9	.0	.0	.0	.0	1010.2	1743.0	1306.5

STA.	5XNX	5YNY	5XNX	5YNY	5XNX	5YNY
.000	-62459.	-22700.	-1.490	4.493	39.420	-10.787
120.361	-62400.	-20691.	-1.302	3.925	31.044	-8.028
120.382	-62400.	-20691.	-1.302	3.925	31.044	-8.028
197.900	-58290.	-19330.	-1.191	3.591	26.114	-6.389
263.300	-53637.	-17786.	-1.107	3.339	22.218	-5.195
329.300	-49703.	-16481.	-1.026	3.094	18.605	-3.833
395.752	-46841.	-15532.	-.953	2.874	15.263	-2.693
469.866	-43852.	-14541.	-.875	2.640	11.733	-1.501
469.307	-43852.	-14541.	-.875	2.640	11.733	-1.501
481.259	-43394.	-14329.	-.863	2.604	11.100	-1.331
481.260	-33037.	-10955.	-.557	1.679	11.222	-3.311
492.632	-32467.	-10766.	-.548	1.654	10.845	-3.155
492.633	-32467.	-10766.	-.548	1.654	10.845	-3.155
527.700	-30711.	-10183.	-.523	1.575	9.679	-2.703
577.270	-28764.	-9538.	-.491	1.431	8.123	-2.175
577.273	-28764.	-9538.	-.491	1.431	8.123	-2.175
659.300	-24917.	-10744.	-.554	1.274	5.766	-1.049
738.919	-22397.	-9744.	-.498	1.156	3.716	-.139
738.920	-22397.	-9744.	-.498	1.156	3.716	-.139
746.918	-22305.	-9613.	-.491	1.140	3.487	-.036
746.919	-12252.	-5285.	-.093	.215	3.406	-1.665
755.917	-11906.	-5134.	-.090	.208	3.373	-1.595
755.918	-11906.	-5134.	-.090	.208	3.373	-1.595
791.504	-10776.	-4647.	-.080	.185	2.973	-1.389
857.500	-9351.	-4032.	-.061	.143	2.243	-1.050
923.400	-7826.	-3374.	-.045	.105	1.607	-.735
939.400	-6435.	-2783.	-.031	.072	1.103	-.473
1058.300	-5542.	-2390.	-.019	.045	.713	-.291
1121.300	-4359.	-1879.	-.010	.023	.347	-.131
1154.300	-3356.	-1447.	-.006	.015	.219	-.080
1187.256	-2459.	-1060.	-.004	.009	.126	-.059
1220.200	-1428.	-616.	-.002	.004	.023	-.046
1253.200	-305.	-131.	-.000	.001	.010	-.016
1286.200	-149.	-64.	-.000	.000	.003	-.009
1319.173	0.	0.	-.000	.000	-.000	-.000

PREPARED * * * * * SPLIT INERTIA LOADS CASE NO. **3.2-114
 CHECKED * * * * * MODEL ****C-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. * IG10554-12-
 DATE *****11/04/58* SACRT AXIS SYSTEM CASE ID. *** FIC103

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ATTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 355.3 .0 .1 .0 .0 1014.5 1703.0 1306.5

SPX	SZMZ	MXMZ	MYNZ	SXTOD	SYTOD	SZTOD
.000	-72125.	-40.812	-2.169	-3478.	-1153.	48252.
120.361	-65741.	-31.993	-2.151	-2102.	-697.	46086.
120.362	-65741.	-31.993	-2.151	-2102.	-697.	46086.
197.900	-61417.	-26.798	-2.155	-1252.	-418.	44268.
263.300	-55509.	-22.724	-2.062	-352.	-117.	42158.
329.300	-52364.	-18.866	-2.213	334.	111.	39492.
395.752	-49349.	-15.340	-2.249	827.	274.	37335.
469.885	-46203.	-11.609	-2.268	1239.	427.	35531.
469.887	-46203.	-11.609	-2.268	1239.	427.	35531.
481.259	-43717.	-11.041	-2.253	1359.	451.	35208.
481.260	-43805.	-11.694	-.390	249.	83.	32754.
492.632	-34205.	-11.236	-.418	326.	108.	32268.
492.633	-34205.	-11.236	-.418	326.	108.	32268.
527.700	-32355.	-10.038	-.480	562.	186.	30770.
577.275	-30304.	-8.395	-.493	821.	272.	29163.
577.276	-30304.	-8.320	-1.220	795.	343.	29163.
659.300	-27135.	-5.710	-1.320	1128.	467.	26299.
733.919	-24603.	-3.467	-1.344	1356.	565.	23926.
738.920	-24603.	-3.467	-1.344	1356.	565.	23926.
748.918	-24290.	-3.139	-1.336	1394.	597.	23627.
748.919	-13542.	-3.839	.144	-303.	-131.	17233.
753.917	-12965.	-3.729	.129	-275.	-119.	16836.
753.918	-12965.	-3.729	.129	-275.	-119.	16836.
791.304	-11736.	-3.230	.099	-135.	-81.	15526.
857.300	-10163.	-2.430	.074	-34.	-36.	13321.
923.400	-8523.	-1.303	.023	-4.	-2.	11620.
939.400	-7041.	-1.230	-.015	46.	20.	9937.
1035.300	-6035.	-.765	-.013	69.	30.	8665.
1121.300	-4747.	-.371	-.017	73.	34.	6913.
1134.300	-3655.	-.226	-.004	75.	33.	5413.
1137.256	-2678.	-.121	.012	67.	29.	4058.
1220.200	-1355.	-.053	.027	44.	19.	2443.
1253.200	-532.	-.013	.010	11.	5.	500.
1286.200	-152.	-.006	.007	6.	3.	276.
1319.173	0.	-.000	.000	0.	0.	0.

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-115
 CHECKED ** * * * MODEL ***C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE ****11/06/58* * * * * SHEET AXIS SYSTEM CASE ID *** F10103

FUEL WT. 4553.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 023.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 .L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 .L. 205.000

TANK	1	2	3	4	5	6	7	8
WT.	555.3	.0	.0	.0	.0	1014.2	1743.0	1306.5

STX	MYT00	MYT00	MZT00	SKT05	SKT05	SZT05
.000	34.966	-1.590	.133	45731.	15101.	3605.
120.361	28.934	-1.507	-.190	43744.	14505.	2215.
120.362	28.934	-1.507	-.190	43744.	14505.	2215.
197.900	25.200	-1.334	-.327	42018.	13933.	1319.
253.300	22.181	-1.335	-.385	40015.	13260.	371.
329.300	19.250	-1.059	-.390	37435.	12430.	-351.
395.752	16.544	-.949	-.347	35722.	11848.	-871.
469.326	13.661	-.843	-.264	33725.	11183.	-1353.
469.367	13.661	-.843	-.264	33725.	11183.	-1353.
481.359	13.222	-.041	-.251	33419.	11081.	-1432.
481.260	13.293	-1.032	-.255	31090.	10309.	-262.
492.632	12.902	-.992	-.249	30628.	10156.	-343.
492.633	12.902	-.992	-.249	30628.	10156.	-343.
527.700	11.702	-.898	-.233	29206.	9684.	-592.
577.273	10.112	-.842	-.197	27700.	9165.	-805.
577.276	10.153	.040	-.197	26793.	11550.	-805.
659.300	7.605	.204	-.110	24150.	10413.	-1229.
733.919	5.409	.276	-.004	21971.	9473.	-1476.
733.920	5.409	.276	-.004	21971.	9473.	-1476.
743.913	5.136	.275	.010	21695.	9355.	-1507.
743.919	5.411	-.304	.003	15829.	6025.	330.
753.917	5.225	-.231	.001	15460.	6006.	300.
753.918	5.225	-.231	.001	15460.	6006.	300.
791.504	4.630	-.229	-.007	14257.	6148.	202.
857.500	3.653	-.130	-.017	12692.	5472.	91.
923.400	2.615	-.096	-.019	10854.	4630.	4.
939.400	1.509	-.026	-.018	9125.	3935.	-50.
1055.300	1.144	-.019	-.014	7957.	3431.	-75.
1121.300	.570	-.003	-.009	6348.	2737.	-65.
1154.300	.356	-.015	-.006	4975.	2145.	-83.
1187.250	.195	-.033	-.003	3726.	1607.	-73.
1220.200	.088	-.030	-.001	2243.	967.	-43.
1253.200	.027	-.019	-.000	505.	218.	-12.
1286.200	.011	-.013	-.000	255.	118.	-7.
1319.173	-.000	.600	.000	0.	0.	-0.

PREPARED BY * * * * * UNIT INERTIA LOADS PAGE NO. **3.2- 116
 CHECKED BY * * * * * MODEL *****C-5A
 APPROVED BY * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG10854-12-
 DATE *****11/24/68* SWEPT AXIS SYSTEM CASE NO. *** F10103

FUEL WT. 4550.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 555.4 .0 .0 .0 .0 1019.3 1763.0 1306.5

STA.	X/TDS	Y/TDS	Z/TDS	SXPD	MYPD	WYPD
.000	1.343	-3.457	-32.688	-102101.	-78.694	-2.744
120.361	.817	-3.063	-26.990	-100901.	-63.992	-2.731
120.362	.817	-3.063	-26.990	-100901.	-63.992	-2.731
137.700	.591	-2.821	-23.484	-99119.	-55.814	-2.733
253.300	.472	-2.644	-20.633	-96157.	-49.036	-2.672
329.300	.393	-2.433	-17.938	-92919.	-42.398	-2.778
395.752	.333	-2.256	-15.405	-90130.	-36.033	-2.604
469.366	.408	-2.071	-12.700	-86523.	-29.113	-2.617
469.367	.408	-2.071	-12.700	-86523.	-29.113	-2.617
481.259	.413	-2.045	-12.285	-85970.	-28.063	-2.304
481.250	.274	-1.636	-12.293	-72452.	-28.747	-.447
492.632	.271	-1.609	-11.934	-71678.	-27.889	-.485
492.633	.271	-1.609	-11.934	-71678.	-27.889	-.485
527.700	.261	-1.527	-10.823	-69272.	-25.256	-.365
577.275	.266	-1.429	-9.339	-66350.	-21.696	-.631
577.276	.399	-1.401	-9.339	-66350.	-21.584	-2.462
639.300	.417	-1.245	-7.064	-61291.	-15.773	-2.614
733.919	.473	-1.113	-5.076	-56655.	-10.690	-2.650
738.920	.478	-1.113	-5.076	-56655.	-10.690	-2.650
743.918	.486	-1.103	-4.925	-56071.	-10.013	-2.634
743.919	.140	-.315	-4.848	-34935.	-11.144	.303
753.917	.132	-.304	-4.637	-34189.	-10.772	.272
753.918	.132	-.304	-4.637	-34189.	-10.772	.272
791.304	.109	-.270	-4.161	-31753.	-9.560	.211
857.300	.072	-.209	-3.192	-28439.	-7.390	.161
923.400	.045	-.154	-2.334	-24649.	-5.469	.042
989.400	.026	-.106	-1.650	-20933.	-3.793	-.046
1055.300	.014	-.057	-1.043	-13029.	-2.386	-.038
1121.300	.005	-.034	-.522	-14694.	-1.177	-.047
1154.300	.003	-.023	-.321	-11469.	-.766	-.008
1187.256	.002	-.013	-.166	-6509.	-.391	.041
1220.200	.001	-.005	-.061	-5012.	-.173	.037
1253.200	-.000	-.001	-.017	-1104.	-.093	.035
1236.200	-.000	-.000	-.005	-547.	-.022	.024
1319.173	.000	.000	-.000	0.	-.000	.000

PREPARED BY * * * * * UNIT I INERTIA LOADS PAGE NO. **3.2-117
 CHECKED BY * * * * * JUEL *****C-5A
 APPROVED BY * * * * * *** WING (FIELD INCLUSIVE) *** REPORT NO. *IG1US54-12-
 DATE *****11/06/38* SKEW AXIS SYSTEM CASE IS *** F10103

FUEL WT. 1050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 1000 DEG.
 LOAD AXIS ORIGIN F.S. 1173.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	155.4	.0	.0	.0	.0	1013.5	1753.0	1300.5
STA.		MZPD	SYPS	SYPS	SYPS	MTS	MZPS	
.000	.597	-32135.	95912.	8.450	2.173	21.597		
120.361	.475	-31757.	95773.	7.157	1.876	17.548		
123.362	.475	-31757.	95773.	7.157	1.876	17.548		
137.900	.421	-31197.	94032.	6.460	1.608	14.973		
263.300	.416	-30264.	91270.	5.950	1.535	12.897		
329.300	.375	-29245.	88196.	5.489	1.426	10.707		
395.752	.380	-28367.	85550.	5.113	1.295	8.680		
469.486	.402	-27232.	82126.	4.747	1.150	6.491		
469.387	.402	-27232.	82126.	4.747	1.150	6.491		
481.259	.408	-27053.	81601.	4.692	1.126	6.171		
481.260	.206	-22803.	68770.	3.479	.957	8.523		
492.632	.202	-22560.	68036.	3.428	.923	8.313		
492.633	.202	-22560.	68036.	3.428	.923	8.313		
527.730	.196	-21909.	65771.	3.272	.878	7.413		
577.275	.206	-20883.	62973.	3.087	.807	6.277		
577.275	.206	-20871.	60927.	3.005	1.071	6.276		
659.500	.223	-24263.	56262.	2.752	.935	3.845		
733.919	.271	-22432.	52125.	2.566	.812	1.784		
738.920	.271	-22432.	52025.	2.566	.812	1.783		
748.918	.277	-22201.	51486.	2.544	.795	1.546		
748.919	.016	-13532.	32080.	.650	.263	4.590		
753.917	.013	-13537.	31395.	.626	.256	4.516		
753.918	.013	-13537.	31395.	.626	.256	4.516		
791.304	.006	-12574.	29162.	.561	.231	3.987		
857.500	-.001	-11260.	26115.	.416	.150	3.574		
923.500	-.006	-9759.	22634.	.302	.137	2.204		
959.500	-.008	-8303.	19268.	.205	.097	1.458		
1055.300	-.006	-7257.	16831.	.127	.061	.910		
1121.500	-.004	-5814.	13434.	.062	.031	.423		
1154.300	-.003	-4541.	10532.	.042	.021	.230		
1137.255	-.002	-3369.	7514.	.025	.013	.192		
1220.200	-.001	-1995.	4603.	.010	.005	.149		
1253.200	-.001	-437.	1014.	.002	.001	.053		
1286.200	-.000	-217.	503.	.001	.001	.031		
1319.173	.000	0.	-0.	.000	.000	.000		

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-118
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG10854-12-1
DATE ****11/03/53*		SWEPT AXIS SYSTEM	CASE I *** FIC103

FUEL WT.	4660.0 LB.	DENSITY	6.500 LB./GAL.	ALTITUDE	.000 DEG.
LOAD AXIS ORIGIN	F.S. 1126.583	B.L.	.000	W.L.	350.250
ROTATIONAL AXIS ORIGIN	F.S. 1126.583	B.L.	.000	W.L.	265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.2	.0	.0	.0	.0	1016.5	1763.0	1306.5

STA.	5XPSID0	SYPSID0	WXP SID0	WYPSID0	WZPSID0	WZPSID5
.000	112093.	35614.	-.277	-9.069	-85.574	-11.092
120.361	110278.	33860.	-.171	-8.046	-71.337	-9.441
120.362	110278.	33860.	-.171	-8.045	-71.337	-9.441
197.900	108014.	32449.	-.113	-7.407	-62.287	-8.511
263.300	104539.	30616.	-.078	-6.890	-54.853	-7.736
329.300	100626.	28912.	-.049	-6.390	-47.416	-7.231
395.732	97395.	27540.	-.021	-5.915	-40.425	-6.725
469.380	93309.	25943.	.009	-5.404	-32.910	-6.209
469.387	93309.	25943.	.009	-5.404	-32.910	-6.209
431.239	92632.	25699.	.014	-5.325	-31.743	-6.114
481.250	79079.	22555.	-.149	-4.107	-32.122	-3.639
492.532	73192.	22234.	-.144	-4.045	-31.160	-3.616
492.533	73192.	22234.	-.144	-4.045	-31.160	-3.616
527.700	75455.	21247.	-.129	-3.851	-28.217	-3.415
577.275	72163.	20051.	-.108	-3.597	-24.314	-3.062
577.276	72432.	25475.	.205	-3.593	-24.314	-3.062
655.500	66695.	23139.	.199	-3.191	-17.916	-3.219
738.919	61498.	21077.	.194	-2.837	-12.314	-3.293
738.920	61498.	21077.	.194	-2.837	-12.314	-3.293
748.916	60343.	20317.	.194	-2.792	-11.619	-3.279
748.919	33935.	14135.	-.025	-.770	-12.515	-.158
758.917	36061.	13612.	-.025	-.746	-12.093	-.172
758.918	36061.	13612.	-.025	-.746	-12.093	-.172
791.504	35310.	12760.	-.022	-.667	-10.739	-.173
857.500	31337.	11344.	-.016	-.526	-8.277	-.116
923.400	27314.	9763.	-.012	-.337	-6.113	-.159
989.400	23203.	8252.	-.009	-.271	-4.227	-.193
1055.500	20262.	7189.	-.006	-.171	-2.672	-.165
1121.500	16221.	5736.	-.003	-.087	-1.325	-.099
1154.500	12677.	4465.	-.002	-.058	-.823	-.041
1167.250	9421.	3302.	-.001	-.034	-.480	.026
1220.200	5570.	1940.	-.001	-.014	-.215	.087
1253.200	1232.	426.	-.000	-.003	-.063	.036
1286.200	613.	210.	-.000	-.001	-.027	.025
1319.173	-0.	-0.	-.000	.000	.000	.000

PREPARED * * * * *
 CHECKED * * * * *
 APPROVED * * * * *
 DATE *****11/01/58*

WING INERTIA LOADS
 *** WING (FUEL INCLUDED) ***
 SWEEP AXIS SYSTEM

PAGE NO. **3.2-119
 MODEL *****C-5A
 REPORT NO. *LG1US54-12-
 CASE 1C *** F10103

FUEL WT. 4850.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 1000 DEG.
 LOAD AXIS ORIGIN F.S. 1116.583 B.L. 0.000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.583 B.L. 0.000 W.L. 285.000

TANK	1	2	3	4	5	6	7	8
WT.	550.7	.0	.0	.0	.0	1019.5	1703.0	1318.5

STA.	MXQR	MYQR	MXPR	MYPR	SXPR	SYPR
0.000	-75.145	-2.496	-34.717	.841	-81732.	-77916.
120.361	-53.234	-2.430	-23.683	.748	-81268.	-75501.
120.362	-53.234	-2.430	-23.683	.748	-81268.	-75501.
197.900	-55.059	-2.433	-24.950	.629	-80146.	-73215.
253.900	-48.296	-2.426	-21.935	.594	-78001.	-70279.
329.330	-41.572	-2.537	-19.009	.332	-75767.	-66730.
395.752	-35.326	-2.559	-15.309	.241	-73705.	-64069.
469.635	-24.436	-2.590	-13.435	.165	-70941.	-60957.
469.637	-25.436	-2.590	-13.435	.165	-70942.	-60957.
481.239	-27.354	-2.579	-12.997	.162	-70519.	-60477.
481.250	-28.302	-.300	-13.146	.538	-68461.	-53393.
492.532	-27.447	-.338	-12.755	.549	-67879.	-53168.
492.533	-27.447	-.338	-12.755	.549	-67879.	-53168.
527.700	-24.820	-.421	-11.557	.452	-56082.	-51015.
577.275	-21.273	-.440	-9.973	.418	-53792.	-48503.
577.275	-21.154	-2.265	-9.977	-.450	-49372.	-53069.
559.500	-15.383	-2.446	-7.436	-.594	-45869.	-48413.
738.919	-10.281	-2.491	-5.250	-.645	-42552.	-44403.
738.920	-10.281	-2.491	-5.249	-.645	-42552.	-44403.
743.914	-9.646	-2.476	-4.978	-.641	-42133.	-43897.
748.919	-11.126	.318	-5.403	.266	-25255.	-29502.
758.917	-10.755	.279	-5.219	.264	-24729.	-28997.
753.913	-10.755	.279	-5.218	.264	-24729.	-28997.
791.504	-9.563	.219	-4.623	.212	-23015.	-26832.
857.500	-7.373	.158	-3.546	.164	-20640.	-23952.
923.400	-5.454	.049	-2.509	.081	-17953.	-20614.
939.400	-3.779	-.042	-1.803	.012	-15335.	-17433.
1056.300	-2.382	-.037	-1.142	.115	-13400.	-15215.
1121.300	-1.174	-.046	-.569	.001	-10747.	-12162.
1154.300	-.725	-.008	-.355	.013	-8366.	-9516.
1137.255	-.590	.041	-.194	.032	-6207.	-7096.
1220.200	-.173	.087	-.068	.049	-3635.	-4228.
1253.200	-.052	.035	-.027	.019	-796.	-942.
1286.200	-.022	.024	-.011	.013	-393.	-472.
1319.173	.000	.000	-.000	.000	0.	0.

PREPARED * * UNIT INERTIA LOADS PAGE 01. **3.2-120
 CHECKED ** * GLEL 4***0-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *****11/00/68* SHEET AXIS SYSTEM CASE 1. *** F10103

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 Y.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 L.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	655.5	.0	.0	.0	.0	1014.5	1748.0	1300.5

STA.	MXFG	MYPG	MZPG
.000	-5.641	7.107	61.336
120.361	-4.944	6.349	51.063
120.362	-4.944	6.349	51.063
197.900	-4.520	5.864	44.593
263.800	-4.179	5.479	39.137
329.800	-3.857	5.094	34.255
395.752	-3.551	4.730	29.978
469.866	-3.221	4.339	23.421
469.867	-3.221	4.339	23.421
481.259	-3.171	4.276	22.554
481.260	-2.573	3.205	22.263
492.632	-2.532	3.157	21.623
492.633	-2.532	3.157	21.622
527.700	-2.405	3.011	19.624
577.275	-2.236	2.820	16.793
577.276	-2.472	2.616	16.793
659.500	-2.184	2.535	12.695
738.919	-1.929	2.089	8.941
738.920	-1.929	2.089	8.941
748.918	-1.697	2.057	3.456
748.919	-.578	.510	7.691
758.917	-.560	.494	7.457
758.918	-.560	.494	7.457
791.504	-.501	.442	6.670
857.500	-.389	.345	5.149
923.400	-.290	.257	3.881
989.400	-.203	.179	2.762
1055.300	-.128	.113	1.736
1121.300	-.065	.057	.670
1154.300	-.044	.036	.516
1187.256	-.026	.023	.238
1220.200	-.011	.009	.044
1253.200	-.002	.002	.006
1286.200	-.001	.001	-.006
1319.178	.000	-.000	.000

PREPARED *
CHECKED **
APPROVED *
DATE *****11/01/88*

WING I EXTERIOR LOADS

*** FUEL ***

PAGE NO. ** 3.2-12/
MODEL ***** C-5A
REPORT NO. ** IG1US54-12-
CASE ID *** FID104

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 0.000 DEG.
LOAD AXIS ORIGIN F.S. 1116.583 B.L. .000 W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1116.583 B.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
WT. 550.0 .0 .0 .0 .0 1010.0 1728.0 1300.0

STA.	SZMZ	FXMZ	VYXZ	MYXZ	SZTOD	SXTOD
.000	-4650.	-3.266	1.589	.252	4118.	-374.
120.361	-4650.	-2.706	1.589	.209	4118.	-374.
120.362	-4650.	-2.708	1.589	.209	4118.	-374.
197.900	-4293.	-2.356	1.543	.176	3996.	-323.
263.300	-2375.	-2.124	1.254	.163	3249.	23.
329.500	-2325.	-1.970	1.248	.150	3232.	30.
396.752	-2325.	-1.817	1.248	.138	3232.	30.
469.806	-2325.	-1.646	1.248	.125	3232.	30.
469.887	-2325.	-1.646	1.248	.125	3232.	30.
481.269	-2325.	-1.618	1.248	.123	3232.	30.
481.260	-2325.	-1.616	1.248	.123	3232.	30.
492.632	-2325.	-1.592	1.248	.121	3232.	30.
492.633	-2325.	-1.592	1.248	.121	3232.	30.
527.700	-2325.	-1.510	1.248	.115	3232.	30.
577.275	-2325.	-1.395	1.248	.106	3232.	30.
577.276	-2325.	-1.395	1.248	.106	3232.	30.
639.300	-2325.	-1.204	1.248	.091	3232.	30.
738.919	-2325.	-1.019	1.248	.077	3232.	30.
738.920	-2325.	-1.019	1.248	.077	3232.	30.
746.918	-2325.	-.996	1.248	.075	3232.	30.
748.919	-2325.	-.996	1.248	.075	3232.	30.
758.917	-2325.	-.973	1.248	.073	3232.	30.
758.918	-2325.	-.973	1.248	.073	3232.	30.
791.314	-2325.	-.897	1.248	.067	3232.	30.
857.300	-2325.	-.743	1.248	.053	3232.	30.
923.400	-2325.	-.590	1.248	.043	3232.	30.
939.400	-2325.	-.437	1.248	.031	3232.	30.
1055.300	-2325.	-.264	1.248	.019	3232.	30.
1121.300	-2149.	-.131	1.160	.008	3005.	31.
1154.300	-1573.	-.069	.869	.005	2250.	31.
1157.256	-1020.	-.026	.577	.003	1494.	26.
1220.200	-362.	-.003	.210	.001	546.	11.
1253.200	0.	.000	.000	.000	0.	0.
1283.200	0.	.000	.000	.000	0.	0.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * * * UNIT I INERTIA LOADS * * * 3.2-122
 CHECKED ** * * * MODEL ***C-5A
 APPROVED * * * ** FUEL *** REPORT NO. *LG1054-12-
 DATE *****11/22/63* CASE NO. *** F1010+

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 8.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 Y.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 Y.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1019.0	1723.0	1310.5

STA.	AXTOD	MYTOD	MZTOD	MYTOS	SZPD	MXPD
.000	+.014	-1.873	.056	-.351	-8459.	-6.668
120.361	3.519	-1.877	.011	-.312	-8459.	-7.653
120.362	3.519	-1.877	.011	-.312	-8459.	-7.653
197.900	3.203	-1.864	-.016	-.279	-8302.	-7.005
263.300	2.960	-1.749	-.029	-.210	-7124.	-6.487
329.300	2.746	-1.747	-.027	-.193	-7089.	-6.016
395.752	2.533	-1.747	-.025	-.176	-7089.	-5.551
469.355	2.293	-1.747	-.022	-.158	-7089.	-5.025
469.367	2.293	-1.747	-.022	-.158	-7089.	-5.025
481.259	2.256	-1.747	-.022	-.155	-7089.	-4.944
481.260	2.256	-1.747	-.022	-.155	-7089.	-4.944
492.632	2.220	-1.747	-.022	-.152	-7089.	-4.864
492.633	2.220	-1.747	-.022	-.152	-7089.	-4.864
527.700	2.106	-1.747	-.021	-.143	-7089.	-4.815
577.276	1.946	-1.747	-.019	-.131	-7089.	-4.263
577.276	1.946	-1.747	-.019	-.131	-7089.	-4.263
659.600	1.680	-1.747	-.017	-.110	-7089.	-3.630
738.919	1.423	-1.747	-.014	-.090	-7089.	-3.117
738.920	1.423	-1.747	-.014	-.090	-7089.	-3.117
748.918	1.391	-1.747	-.014	-.088	-7089.	-3.046
748.919	1.391	-1.747	-.014	-.088	-7089.	-3.046
753.917	1.359	-1.746	-.014	-.085	-7089.	-2.975
756.913	1.359	-1.746	-.014	-.085	-7089.	-2.975
791.534	1.253	-1.746	-.013	-.077	-7089.	-2.744
857.500	1.040	-1.746	-.011	-.060	-7089.	-2.275
923.400	.827	-1.746	-.009	-.044	-7089.	-1.809
939.400	.613	-1.746	-.007	-.027	-7089.	-1.341
1055.300	.400	-1.746	-.005	-.011	-7089.	-.873
1121.300	.183	-1.631	-.003	.005	-6581.	-.403
1154.300	.101	-1.249	-.002	.010	-4862.	-.218
1187.250	.039	-.848	-.001	.010	-3202.	-.063
1220.200	.004	-.317	-.000	.005	-1151.	-.009
1253.200	.000	.000	.000	.000	0.	.000
1286.200	.000	.000	.000	.000	0.	.000
1319.175	.000	.000	.000	.000	0.	.000

PREPARED * * * * * UNIT INERTIA LOADS PAGE NO. **3.2-123
 CHECKED * * * * * MODEL ***C-5A
 APPROVED * * * * * *** FUEL *** REPORT NO. *LG1US54-12-1
 DATE ***/***/** CASE ID *** F0010+

FUEL WT. 4553.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 8.000 DEG.
 LOAD AXIS ORIGIN F.S. 1105.583 B.L. .000 Y.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1105.583 B.L. .000 Y.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	355.5	.0	.0	.0	.0	1019.2	1768.0	1306.8

SFA	AYPD	MZPD	MXPS	MXPS100	MYPS100	MZPS100
.000	4.014	.042	.721	-.308	-.883	-10.547
120.361	4.014	.042	.597	-.270	-.586	-9.529
120.362	4.014	.042	.597	-.270	-.586	-9.529
197.900	3.994	.036	.516	-.243	-.533	-8.661
263.300	3.817	-.017	.468	-.227	-.493	-8.231
329.300	3.812	-.017	.433	-.210	-.459	-7.761
395.752	3.812	-.017	.399	-.194	-.423	-7.294
469.386	3.812	-.017	.360	-.175	-.382	-6.768
469.387	3.812	-.017	.360	-.175	-.382	-6.768
481.259	3.812	-.017	.354	-.172	-.376	-6.688
481.260	3.812	-.017	.354	-.172	-.376	-6.688
492.632	3.812	-.017	.348	-.170	-.370	-6.607
492.633	3.812	-.017	.348	-.170	-.370	-6.607
527.700	3.812	-.017	.330	-.161	-.351	-6.358
577.275	3.812	-.017	.304	-.143	-.323	-6.007
577.276	3.812	-.017	.304	-.143	-.323	-6.007
659.300	3.812	-.017	.261	-.128	-.273	-5.423
738.919	3.812	-.017	.220	-.108	-.234	-4.661
738.920	3.812	-.017	.220	-.108	-.234	-4.661
748.916	3.812	-.017	.215	-.105	-.229	-4.790
748.919	3.812	-.017	.215	-.105	-.229	-4.790
753.917	3.812	-.017	.210	-.103	-.223	-4.719
758.918	3.812	-.017	.210	-.103	-.223	-4.719
731.524	3.812	-.017	.193	-.095	-.206	-4.438
857.500	3.812	-.017	.159	-.078	-.169	-4.020
923.400	3.812	-.017	.124	-.061	-.133	-3.553
989.400	3.812	-.017	.090	-.045	-.097	-3.085
1055.300	3.812	-.017	.056	-.028	-.060	-2.618
1121.300	3.553	-.018	.023	-.013	-.026	-2.038
1154.300	2.698	-.018	.015	-.008	-.017	-1.466
1187.266	1.812	-.015	.009	-.005	-.010	-.931
1220.200	.663	-.007	.003	-.002	-.003	-.326
1253.200	.000	.000	.000	.000	.000	.000
1286.200	.000	.000	.000	.000	.000	.000
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * *	WIT I CERTA LOAGE	FILE NO. **3.2-124
CHECKED ** *		DEL *****C-5A
APPROVED * *	*** FUEL ***	REPORT NO. *IG1US54-12-
DATE *****1/13/58*		BASE ID *** #10104

FUEL WT. 4550.0 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE 8.000 DEG.
LOAD AXIS ORIGIN	F.S. 1103.583 B.L. ,000	N.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L. ,000	N.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	355.3	.0	.0	.0	.0	1018.0	1753.0	1308.5

STA.	WPSIDS	MXGR	WYPR	WZPD
.000	.000	-3.674	1.879	6.795
120.361	.495	-7.652	1.875	5.777
120.362	.495	-7.652	1.875	5.777
197.900	.791	-6.997	1.857	5.140
263.800	.857	-6.482	1.745	4.737
329.920	1.066	-6.014	1.743	4.271
395.752	1.280	-5.546	1.743	3.803
469.336	1.519	-5.021	1.743	3.276
469.337	1.519	-5.021	1.743	3.276
481.259	1.556	-4.940	1.743	3.197
481.260	1.556	-4.940	1.743	3.197
492.632	1.593	-4.860	1.743	3.117
492.633	1.593	-4.860	1.743	3.117
527.700	1.706	-4.611	1.743	2.368
577.276	1.867	-4.250	1.743	2.517
577.276	1.867	-4.250	1.743	2.517
659.500	2.133	-3.677	1.744	1.933
738.919	2.389	-3.114	1.744	1.371
738.920	2.389	-3.114	1.744	1.371
743.918	2.421	-3.044	1.744	1.300
743.919	2.421	-3.044	1.744	1.300
758.917	2.454	-2.973	1.744	1.229
758.918	2.454	-2.973	1.744	1.229
791.304	2.659	-2.742	1.744	.898
857.300	2.773	-2.274	1.744	.530
923.400	2.986	-1.807	1.744	.063
989.400	3.199	-1.339	1.744	-.405
1055.300	3.412	-.872	1.745	-.872
1121.300	3.370	-.407	1.630	-1.223
1154.300	2.597	-.217	1.243	-1.031
1137.238	1.773	-.033	.848	-.765
1220.200	.664	-.009	.317	-.317
1253.200	.000	.000	.000	.000
1286.200	.000	.000	.000	.000
1319.173	.000	.000	.000	.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-175
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. * LG10554-12-
 DATE *****11/23/68* CASE ID *** FIC104

FUEL WT. 1050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 8.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.593 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.593 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	350.0	.0	.0	.0	.0	1018.5	1723.0	1306.5

SFA.	SZNY	MXNY	MYNY	MYNY	SZTOD	SXTOD
.000	-72125.	-39.422	18.641	4.733	48282.	-3607.
120.361	-65741.	-31.046	17.812	4.134	46135.	-2217.
120.362	-65741.	-31.046	17.812	4.134	46135.	-2217.
197.900	-61434.	-26.114	17.109	3.793	44314.	-1324.
253.900	-56484.	-22.219	16.284	3.517	42176.	-368.
329.300	-52364.	-18.606	15.257	3.259	39518.	350.
395.762	-49349.	-15.263	14.539	3.027	37658.	870.
469.386	-46200.	-11.734	13.727	2.780	35554.	1356.
489.687	-46200.	-11.734	13.727	2.780	35554.	1356.
481.259	-45717.	-11.191	13.603	2.742	35232.	1431.
481.260	-34805.	-11.224	12.655	1.768	32778.	261.
492.632	-34205.	-10.846	12.468	1.742	32292.	342.
492.633	-34205.	-10.846	12.468	1.742	32292.	342.
527.700	-32355.	-9.630	11.889	1.661	30792.	591.
577.276	-30304.	-8.125	11.276	1.559	29207.	664.
577.276	-30304.	-8.125	11.276	1.559	29207.	664.
659.500	-27135.	-6.767	10.163	1.398	26323.	1223.
733.919	-24308.	-3.717	9.247	1.258	23950.	1475.
733.920	-24308.	-3.717	9.247	1.258	23950.	1475.
743.918	-24290.	-3.458	9.131	1.241	23631.	1506.
743.919	-13342.	-3.497	6.665	.234	17262.	-351.
758.917	-12966.	-3.374	6.509	.226	16861.	-301.
758.918	-12966.	-3.374	6.509	.226	16861.	-301.
791.504	-11736.	-2.974	6.004	.201	15550.	-203.
857.500	-10183.	-2.249	5.345	.155	13845.	-93.
923.400	-8523.	-1.648	4.673	.114	11644.	-5.
989.400	-7041.	-1.136	3.946	.078	9961.	48.
1055.500	-6035.	-.709	3.355	.049	8669.	73.
1121.500	-4753.	-.348	2.682	.024	6946.	84.
1154.300	-3663.	-.211	2.106	.016	5464.	52.
1187.250	-2694.	-.107	1.583	.009	4101.	72.
1220.200	-1562.	-.038	.954	.004	2471.	43.
1253.200	-332.	-.010	.212	.001	555.	12.
1286.200	-162.	-.003	.107	.000	271.	7.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * * UNIT I ENTIRE LOADS PAGE NO. **3.2-126
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-
 DATE *****11/08/68* CASE ID *** F10104

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 8.000 DEG.
 LOAD AXIS ORIGIN F.S. 11°6.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 11°6.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.7	.0	.0	.0	.0	1018.2	1743.0	1356.5

STA.	AXTD	MYTD	MZTD	MYTDS	SZPD	AXPD
.000	32.724	-17.737	.135	-4.116	-102100.	-73.657
120.361	27.020	-17.416	-.138	-3.502	-100900.	-61.606
120.362	27.020	-17.416	-.138	-3.502	-100900.	-61.606
197.379	23.510	-16.991	-.325	-3.097	-99120.	-53.844
263.300	20.657	-16.543	-.363	-2.732	-96142.	-47.392
329.300	17.961	-15.700	-.389	-2.357	-92922.	-41.125
395.752	15.426	-15.161	-.346	-2.054	-90133.	-35.091
469.836	12.720	-14.528	-.263	-1.736	-86526.	-28.531
469.837	12.719	-14.528	-.263	-1.736	-86526.	-28.531
481.239	12.304	-14.431	-.250	-1.685	-85973.	-27.525
481.240	12.312	-13.977	-.254	-1.570	-72455.	-27.433
492.632	11.953	-13.676	-.249	-1.520	-71682.	-26.630
492.633	11.953	-13.606	-.249	-1.520	-71682.	-26.630
527.750	10.846	-13.230	-.232	-1.364	-69295.	-24.156
577.275	9.356	-12.737	-.196	-1.132	-66353.	-20.782
577.276	9.356	-12.737	-.196	-1.132	-66353.	-20.782
659.500	7.079	-11.676	-.110	-.897	-61277.	-15.524
738.919	5.089	-10.752	-.003	-.670	-56856.	-10.634
738.920	5.089	-10.752	-.003	-.670	-56856.	-10.634
748.918	4.633	-10.647	.010	-.642	-56074.	-10.242
748.919	4.661	-8.997	.004	-.463	-54932.	-10.118
753.917	4.699	-8.725	.002	-.445	-54132.	-9.790
758.913	4.699	-8.725	.002	-.445	-54132.	-9.790
791.504	4.172	-8.169	-.006	-.371	-51761.	-8.719
857.500	3.202	-7.417	-.016	-.259	-28442.	-6.727
923.400	2.372	-6.462	-.019	-.161	-24651.	-5.010
989.400	1.658	-5.515	-.013	-.084	-20986.	-3.507
1055.300	1.048	-4.884	-.014	-.029	-18333.	-2.210
1121.300	.526	-3.957	-.003	.012	-14737.	-1.203
1154.300	.323	-3.163	-.006	.024	-11495.	-.674
1167.250	.167	-2.429	-.003	.028	-8561.	-.345
1220.200	.061	-1.513	-.001	.023	-5054.	-.125
1253.200	.017	-.354	-.000	.007	-1104.	-.035
1286.200	.005	-.185	-.000	.004	-547.	-.011
1319.173	.000	.000	.000	.000	0.	.000

PREPARED BY * * * UNIT INERTIA LOADS PAGE NO. **3.2-127
 CHECKED BY * * * MODEL ***MC-5A
 APPROVED BY * * * *** WING (FUEL INCLUDED) *** REPORT NO. *LG1US54-12-1
 DATE ***KEL1/32/68* CASE ID *** FIC104

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 8.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	350.0	.0	.0	.0	.0	1012.0	1728.0	1300.0

STA.	WYPO	WZPO	MXPS	MXPSIDC	WYPSIDC	WZPSIDC
.000	32.724	.997	8.705	-3.119	-8.519	-90.855
120.361	32.573	.806	7.393	-2.596	-7.551	-78.224
120.382	32.573	.806	7.393	-2.596	-7.551	-78.224
197.900	32.280	.653	6.666	-2.445	-6.992	-70.040
263.300	31.783	.439	6.131	-2.243	-6.514	-63.154
329.300	30.993	.298	5.659	-2.059	-6.048	-56.060
395.752	30.329	.171	5.260	-1.883	-5.606	-49.507
469.866	29.402	.044	4.867	-1.693	-5.131	-42.340
469.887	29.402	.044	4.867	-1.693	-5.131	-42.340
481.259	29.260	.024	4.807	-1.664	-5.053	-41.240
481.260	28.087	.136	3.596	-1.435	-3.850	-40.941
492.632	27.844	.109	3.544	-1.410	-3.792	-39.970
492.633	27.844	.109	3.544	-1.410	-3.792	-39.970
527.700	27.095	.029	3.382	-1.336	-3.613	-36.977
577.275	26.216	-.053	3.183	-1.235	-3.379	-33.104
577.276	26.216	-.053	3.183	-1.235	-3.379	-33.104
659.300	24.441	-.184	2.598	-1.081	-3.007	-26.775
738.919	22.762	-.275	2.677	-.945	-2.680	-21.194
738.920	22.762	-.275	2.677	-.945	-2.680	-21.194
748.918	22.551	-.286	2.649	-.928	-2.639	-20.490
748.919	17.739	.140	.700	-.329	-.685	-18.990
758.917	17.482	.127	.676	-.318	-.674	-18.496
758.918	17.481	.127	.676	-.318	-.674	-18.496
791.504	16.480	.036	.596	-.255	-.602	-16.804
857.310	15.074	.038	.453	-.221	-.489	-14.126
923.400	13.308	-.004	.330	-.165	-.349	-11.456
989.400	11.513	-.031	.226	-.115	-.203	-9.007
1035.300	10.218	-.043	.139	-.073	-.153	-7.090
1121.300	8.315	-.049	.068	-.037	-.077	-5.058
1154.300	6.618	-.048	.045	-.025	-.051	-3.834
1167.256	5.037	-.043	.027	-.015	-.030	-2.773
1220.200	3.077	-.029	.011	-.006	-.012	-1.637
1253.200	.706	-.008	.002	-.001	-.003	-.338
1266.200	.362	-.005	.001	-.001	-.001	-.195
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-128
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG10554-12-
 DATE *****11/06/68* CASE ID *** F10104

FUEL WT. 4350.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 8.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	565.0	.0	.0	.0	.0	1018.0	1723.0	1306.5

STA.	MZPSIOS	MXOR	MYPR	MZPO
.000	.000	-73.068	16.998	56.070
120.361	5.553	-60.908	16.518	44.190
120.362	5.553	-60.808	16.518	44.190
197.900	5.770	-53.048	16.195	36.852
253.300	11.126	-46.612	15.763	30.349
329.300	13.032	-40.359	14.935	25.424
395.752	14.903	-34.346	14.416	19.930
469.316	16.683	-27.212	13.309	14.003
469.857	16.683	-27.812	13.309	14.003
431.259	16.956	-26.310	13.715	13.094
431.260	15.775	-26.965	13.508	13.456
492.632	15.891	-26.164	13.340	12.324
492.633	15.891	-26.134	13.340	12.324
527.700	16.250	-23.297	12.821	10.976
577.275	16.860	-20.336	12.322	8.015
577.276	16.860	-20.336	12.322	8.015
659.000	17.363	-15.103	11.251	3.949
738.919	17.673	-10.432	10.360	.072
738.920	17.673	-10.432	10.360	.072
748.918	17.712	-9.943	10.248	-1.404
748.919	12.928	-10.099	8.373	1.221
758.917	12.782	-9.771	8.706	1.064
758.918	12.782	-9.771	8.706	1.064
791.504	12.303	-6.700	8.145	.555
857.500	11.372	-6.709	7.400	-.690
923.400	10.937	-4.693	6.446	-1.452
989.400	9.856	-3.492	5.500	-2.008
1055.300	9.170	-2.206	4.560	-2.574
1121.300	7.739	-1.100	3.655	-2.854
1154.300	6.295	-.672	3.161	-2.489
1137.256	4.809	-.344	2.423	-2.083
1220.200	3.016	-.124	1.512	-1.388
1253.200	.689	-.034	.353	-.319
1266.200	.357	-.011	.164	-.174
1319.173	.000	.000	.000	.000

PREPARED * * * * * UNIT I INERTIA LOADS PAGE NO. **3.2-129
 CHECKED ** * * * * * MODEL *****0-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. KIG1054-12-
 DATE *****11/26/68* SLEPT AXIS SYSTEM CASE 10 *** F10104

FUEL WT. 4660.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 8.000 DEG.
 LOAD AXIS ORIGIN F.S. 1126.583 S.L. .000 F.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1126.583 S.L. .000 F.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	553.9	.0	.0	.0	.0	1012.5	1753.0	1306.5

GRA.	SXNX	SYNX	FXNX	FYNY	AZX	AZNY
.000	-68459.	-22700.	-1.490	4.492	39.422	-10.806
120.361	-62400.	-20691.	-1.301	3.924	31.045	-8.047
120.362	-62400.	-20691.	-1.301	3.924	31.045	-8.047
197.900	-58312.	-19336.	-1.191	3.391	26.114	-6.404
263.300	-53613.	-17773.	-1.107	3.339	22.219	-5.207
329.300	-49703.	-16481.	-1.026	3.093	18.606	-3.842
395.752	-46841.	-15532.	-.953	2.974	15.269	-2.702
469.386	-43852.	-14541.	-.875	2.639	11.734	-1.510
469.387	-43852.	-14541.	-.875	2.639	11.734	-1.510
481.259	-43394.	-14389.	-.863	2.603	11.141	-1.341
481.260	-33037.	-10955.	-.556	1.675	11.224	-3.320
492.632	-32467.	-10766.	-.548	1.553	10.846	-3.164
492.633	-32467.	-10766.	-.548	1.553	10.846	-3.164
527.700	-30711.	-10183.	-.523	1.577	9.680	-2.713
577.275	-28764.	-9533.	-.491	1.490	8.125	-2.184
577.276	-28764.	-11099.	-.617	1.432	8.125	-2.184
659.600	-24917.	-10744.	-.554	1.284	5.707	-1.053
738.919	-22597.	-9744.	-.498	1.155	3.717	-.148
738.920	-22597.	-9744.	-.498	1.155	3.717	-.148
748.918	-22305.	-9619.	-.491	1.139	3.453	-.046
748.919	-12252.	-5283.	-.093	.215	3.487	-1.574
752.917	-11906.	-5134.	-.090	.208	3.274	-1.604
752.918	-11906.	-5133.	-.090	.208	3.274	-1.604
791.504	-10776.	-4647.	-.080	.185	2.874	-1.396
857.500	-9351.	-4032.	-.061	.142	2.249	-1.059
923.400	-7826.	-3374.	-.045	.106	1.602	-.744
989.400	-6465.	-2788.	-.031	.072	1.135	-.432
1055.300	-5042.	-2390.	-.019	.045	.719	-.300
1121.300	-3585.	-1882.	-.010	.022	.343	-.141
1154.300	-3363.	-1450.	-.006	.015	.211	-.095
1187.256	-2474.	-1067.	-.004	.009	.107	-.057
1220.200	-1440.	-621.	-.001	.003	.023	-.049
1253.200	-305.	-131.	-.000	.001	.010	-.016
1286.200	-149.	-64.	-.000	.000	.003	-.009
1319.172	0.	0.	-.000	.000	-.000	-.000

PREPARED *	*	UNIT I ERTA LOADS	PAGE NO. *3.2-130
CHECKED **	*		MODEL ***0-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. 4G1US54-12-1
DATE ***11/02/32*		SWEPT AXIS SYSTEM	CASE IS *** FIC104

FUEL WT.	4650.0 LB.	DENSITY	6.500 LB./GAL.	ALTITUDE	8.000 DEG.
LOAD AXIS ORIGIN	F.S. 11°6.583	B.L.	.000	S.L.	350.250
ROTATIONAL AXIS ORIGIN	F.S. 11°6.583	B.L.	.000	S.L.	265.000

TAN	1	2	3	4	5	6	7	8
WT.	550.0	.0	.0	.0	.0	1018.0	1723.0	1336.5

STA.	SXNZ	MXNZ	MYNZ	SXZD	SYZD	SZD
.000	-72125.	-40.819	-2.151	-3491.	-1154.	48232.
120.361	-65741.	-32.001	-2.133	-2104.	-697.	46135.
120.362	-65741.	-32.000	-2.133	-2104.	-698.	46135.
197.950	-61434.	-26.603	-2.141	-1256.	-417.	44314.
263.800	-56484.	-22.728	-2.051	-350.	-118.	42176.
329.300	-52364.	-18.870	-2.210	332.	110.	39516.
396.752	-49349.	-15.344	-2.241	826.	274.	37658.
469.386	-46200.	-11.613	-2.260	1287.	427.	35554.
469.387	-46200.	-11.613	-2.260	1297.	427.	35554.
481.259	-45717.	-11.045	-2.250	1358.	450.	35232.
481.260	-34805.	-11.698	-.381	248.	82.	32778.
492.632	-34205.	-11.290	-.410	324.	108.	32292.
492.633	-34205.	-11.290	-.410	324.	108.	32292.
527.700	-32355.	-10.042	-.472	561.	186.	30793.
577.275	-30304.	-8.399	-.484	820.	272.	29207.
577.276	-30304.	-8.325	-1.212	793.	340.	29207.
659.300	-27135.	-5.715	-1.312	1127.	480.	26323.
738.919	-24608.	-3.472	-1.336	1354.	584.	23950.
738.920	-24608.	-3.472	-1.336	1354.	584.	23950.
748.918	-24290.	-3.194	-1.323	1383.	590.	23651.
748.919	-13542.	-3.874	.152	-304.	-131.	17262.
758.917	-12965.	-3.733	.137	-277.	-119.	16660.
758.918	-12965.	-3.733	.137	-277.	-119.	16660.
791.504	-11736.	-3.264	.107	-137.	-60.	15350.
857.500	-10183.	-2.435	.082	-35.	-37.	13845.
928.400	-8523.	-1.808	.030	-5.	-2.	11344.
939.400	-7041.	-1.234	-.007	45.	19.	9961.
1035.300	-6035.	-.770	-.005	67.	20.	8669.
1121.300	-4753.	-.375	-.009	77.	30.	6946.
1154.300	-3663.	-.231	.004	75.	32.	5454.
1157.250	-2694.	-.124	.019	66.	29.	4101.
1220.200	-1568.	-.054	.030	44.	19.	2472.
1253.200	-332.	-.016	.010	11.	5.	550.
1286.200	-162.	-.006	.007	6.	3.	278.
1319.175	0.	-.000	.000	0.	0.	0.

STL	XTOD	MYTOD	MZTOD	SVTOD	SYTOD	SZTOD
100.361	35.009	-1.605	.185	45828.	15198.	3807.
120.361	28.971	-1.522	-.188	43721.	14521.	2217.
120.362	28.971	-1.522	-.188	43721.	14521.	2217.
197.960	25.233	-1.399	-.325	42862.	13947.	1324.
263.300	22.211	-1.350	-.353	40032.	13274.	368.
329.800	19.278	-1.073	-.389	37508.	12437.	-350.
395.752	16.571	-.962	-.346	35744.	11852.	-870.
459.886	13.686	-.862	-.263	33747.	11197.	-1356.
459.887	13.686	-.862	-.263	33747.	11197.	-1356.
481.289	13.247	-.855	-.250	33441.	11039.	-1431.
481.260	13.318	-1.046	-.254	31112.	10317.	-261.
492.532	12.926	-1.006	-.249	30651.	10164.	-342.
492.533	12.926	-1.006	-.249	30651.	10164.	-342.
527.790	11.725	-.902	-.232	29228.	9692.	-591.
577.275	10.141	-.856	-.196	27722.	9192.	-864.
577.276	10.177	.028	-.196	26820.	11564.	-864.
659.503	7.625	.192	-.110	24172.	10428.	-1228.
738.919	5.428	.264	-.003	21992.	9460.	-1475.
738.920	5.428	.264	-.003	21992.	9460.	-1475.
748.918	5.155	.263	.010	21713.	9364.	-1506.
748.919	5.430	-.316	.004	15451.	6838.	301.
758.917	5.244	-.293	.002	15432.	6878.	301.
758.918	5.244	-.293	.002	15432.	6878.	301.
791.507	4.648	-.241	-.006	14279.	6167.	203.
857.500	3.570	-.192	-.016	12713.	5482.	93.
923.400	2.630	-.108	-.019	10575.	4697.	5.
989.400	1.821	-.033	-.013	9147.	3944.	-43.
1055.500	1.155	-.031	-.014	7979.	3447.	-73.
1121.500	.567	-.016	-.008	6373.	2750.	-84.
1154.500	.364	-.028	-.006	5008.	2154.	-82.
1187.250	.201	-.044	-.003	3766.	1624.	-72.
1220.200	.090	-.054	-.001	2270.	970.	-48.
1253.200	.027	-.019	-.000	595.	218.	-12.
1286.200	.011	-.013	-.000	255.	110.	-7.
1319.173	-.000	.000	.000	0.	0.	-0.

DATA	MYTDS	MYTDS	MYTDS	MYTDS	MYTDS	MYTDS
100.000	1.346	-3.470	-32.724	-102106.	-76.912	-2.713
120.351	.820	-3.071	-27.020	-100906.	-64.009	-2.700
120.352	.823	-3.071	-27.020	-100906.	-64.009	-2.700
197.300	.533	-2.823	-23.510	-99124.	-55.330	-2.703
263.300	.473	-2.645	-20.557	-96142.	-49.053	-2.644
329.300	.397	-2.432	-17.361	-92922.	-42.414	-2.752
395.752	.384	-2.256	-15.426	-90133.	-36.049	-2.777
462.356	.410	-2.071	-12.720	-86526.	-29.134	-2.790
469.337	.410	-2.071	-12.719	-86526.	-29.133	-2.790
481.259	.414	-2.045	-12.304	-85973.	-28.073	-2.778
481.260	.275	-1.637	-12.312	-72455.	-28.762	-.421
492.532	.272	-1.609	-11.953	-71632.	-27.904	-.458
492.533	.272	-1.609	-11.953	-71632.	-27.904	-.458
527.700	.262	-1.527	-10.846	-69295.	-25.271	-.539
577.275	.267	-1.429	-9.356	-66353.	-21.711	-.555
577.276	.390	-1.401	-9.356	-66353.	-21.581	-2.437
639.500	.417	-1.245	-7.079	-61294.	-15.790	-2.589
733.319	.479	-1.117	-5.039	-56659.	-10.666	-2.625
733.320	.479	-1.117	-5.039	-56659.	-10.666	-2.625
743.316	.427	-1.102	-4.338	-56274.	-10.329	-2.609
743.319	.140	-.315	-4.361	-34933.	-11.160	.328
753.317	.133	-.304	-4.699	-34192.	-10.789	.297
753.318	.133	-.304	-4.699	-34192.	-10.789	.297
791.504	.109	-.270	-4.172	-31761.	-9.596	.236
857.500	.072	-.209	-3.202	-28442.	-7.405	.166
923.400	.046	-.153	-2.372	-24651.	-5.484	.067
989.400	.026	-.106	-1.658	-20986.	-3.609	-.023
1055.300	.014	-.066	-1.045	-16333.	-2.401	-.013
1121.300	.005	-.033	-.526	-14707.	-1.192	-.021
1154.300	.003	-.022	-.323	-11426.	-.741	.017
1167.256	.002	-.013	-.167	-8561.	-.403	.062
1220.200	.001	-.005	-.061	-5054.	-.178	.097
1263.200	-.000	-.001	-.017	-1104.	-.053	.035
1266.200	-.000	-.000	-.005	-547.	-.022	.024
1313.173	.000	.000	-.000	0.	-.000	.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-133
CHECKED **	*		NO. EL ***C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *LG10554-12-1
DATE ***11/08/68*		SLEPT AXIS SYSTEM	CASE ID *** F10104

FUEL WT.	4650.0 LB.	DENSITY	6.500 LB./GAL.	ALTITUDE	8.000 DEG.
LOAD AXIS ORIGIN	F.S. 1116.593	B.L.	.000	W.L.	350.250
ROTATIONAL AXIS ORIGIN	F.S. 1116.593	B.L.	.000	W.L.	265.000

PAK	1	2	3	4	5	6	7	8
WT.	355.9	.0	.0	.0	.0	1013.3	1759.0	1316.3

STA.	WZPD	SYPS	SYPS	WZPD	WZPD	WZPD
.000	.598	-32137.	95917.	8.450	2.172	21.632
120.361	.476	-31759.	95777.	7.167	1.875	17.584
120.362	.476	-31759.	95777.	7.167	1.875	17.584
197.900	.422	-31199.	94090.	6.460	1.608	15.006
263.300	.417	-30260.	91256.	5.950	1.534	12.929
329.300	.375	-29246.	88200.	5.439	1.425	10.737
395.752	.380	-29368.	85553.	5.112	1.295	8.710
469.366	.402	-27233.	82129.	4.747	1.150	6.521
469.367	.402	-27233.	82129.	4.747	1.150	6.521
481.259	.408	-27059.	81604.	4.691	1.126	6.201
481.260	.206	-22804.	58773.	3.472	.957	8.653
492.532	.202	-22561.	68039.	3.427	.923	8.347
492.533	.202	-22561.	68039.	3.427	.923	8.347
527.700	.196	-21810.	65774.	3.272	.878	7.442
577.275	.206	-20364.	52981.	3.039	.806	6.307
577.276	.206	-20372.	50930.	3.004	1.071	6.307
659.580	.223	-24269.	55235.	2.751	.903	3.674
736.919	.271	-22434.	52023.	2.566	.812	1.813
736.920	.271	-22434.	52023.	2.566	.812	1.813
748.918	.277	-22202.	51471.	2.543	.794	1.575
748.919	.015	-13934.	32093.	.649	.263	4.720
758.917	.013	-13533.	31398.	.626	.255	4.544
758.918	.013	-13533.	31398.	.626	.255	4.544
791.504	.006	-12575.	29135.	.550	.230	4.016
857.500	-.001	-11262.	25118.	.415	.180	3.103
923.400	-.006	-9761.	22637.	.301	.136	2.233
939.400	-.008	-8309.	19271.	.204	.087	1.467
1055.500	-.006	-7259.	16835.	.125	.061	.936
1121.500	-.004	-5323.	13505.	.061	.031	.452
1154.300	-.003	-4552.	10556.	.040	.021	.309
1157.256	-.002	-3390.	7861.	.024	.013	.216
1220.200	-.001	-2001.	4641.	.010	.006	.159
1253.200	-.001	-437.	1014.	.002	.001	.053
1256.200	-.000	-217.	503.	.001	.001	.031
1319.173	.000	0.	-0.	.000	.000	.000

PREPARED * *	UNIT I	ERTIA LOADS	PAGE NO. **3.2-134
CHECKED ** *			MODEL *****C-5A
APPROVED * *	***	WING (FUEL INCLUDED) ***	REPORT NO. *IG1US54-12-1
DATE *****11/15/53*		WING AXIS SYSTEM	CASE ID *** F10104

FUEL WT. 4655.0 LB.	DENSITY 6.500 LB./GAL.	ALTITUDE 5.000 DEG.
LOAD AXIS ORIGIN F.S. 1106.533	B.L. .000	W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.533	B.L. .000	W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1018.5	1763.0	1306.5

STA.	GXPSION	SYPSION	KXPSION	MYPSION	WZPSION	WZPSION
.000	112113.	35617.	-.279	-9.068	-85.610	-11.092
120.361	110292.	33863.	-.173	-8.045	-71.371	-9.436
120.362	110298.	33863.	-.173	-8.045	-71.371	-9.436
127.900	108037.	32455.	-.120	-7.406	-62.313	-8.504
263.300	104530.	30609.	-.079	-6.839	-54.664	-7.728
329.300	100037.	28914.	-.051	-6.389	-47.445	-7.224
395.752	97405.	27543.	-.023	-5.914	-40.474	-6.716
469.386	93319.	25946.	.003	-5.403	-32.938	-6.199
469.387	93319.	25946.	.003	-5.403	-32.938	-6.199
481.259	92692.	25701.	.013	-5.324	-31.791	-6.104
481.260	79090.	22557.	-.150	-4.106	-32.149	-3.659
492.532	78202.	22237.	-.145	-4.044	-31.167	-3.605
492.533	78202.	22237.	-.145	-4.044	-31.167	-3.605
527.700	75465.	21243.	-.130	-3.850	-28.244	-3.404
577.275	72173.	20064.	-.109	-3.596	-24.340	-3.049
577.276	72494.	25479.	.204	-3.592	-24.340	-3.049
639.500	66707.	23142.	.198	-3.190	-17.943	-3.205
738.919	61511.	21079.	.193	-2.335	-12.353	-3.276
738.920	61511.	21079.	.193	-2.335	-12.353	-3.276
748.913	60856.	20319.	.193	-2.791	-11.643	-3.263
748.919	33913.	14138.	-.026	-.759	-12.640	-.141
753.917	33074.	13315.	-.025	-.745	-12.117	-.155
753.913	38073.	13015.	-.025	-.745	-12.117	-.155
791.304	35322.	12762.	-.023	-.666	-10.782	-.156
857.500	31500.	11347.	-.017	-.513	-8.289	-.099
923.400	27326.	9735.	-.013	-.386	-6.114	-.139
989.000	23215.	8235.	-.010	-.269	-4.243	-.171
1055.300	20275.	7191.	-.006	-.169	-2.692	-.110
1121.300	16255.	5746.	-.004	-.095	-1.344	-.074
1154.300	12715.	4475.	-.003	-.056	-.841	-.014
1187.250	9485.	3323.	-.002	-.033	-.464	.049
1220.200	5620.	1957.	-.001	-.014	-.210	.098
1253.200	1232.	425.	-.000	-.003	-.053	.036
1286.200	013.	210.	-.000	-.001	-.027	.025
1319.170	-0.	-J.	-.000	.000	.000	.000

PREPARED * * * UNIT I INERTIA LOADS PAGE NO. **3.2-135
 CHECKED ** * * * MODEL *****0-5A
 APPROVED * * * *** JING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-
 DATE *****1/03/03* SWEPT AXIS SYSTEM CASE ID *** F10104

FUEL WT. 4000.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 0.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 S.L. .000 S.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.L. .000 S.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.4	.0	.0	.0	.0	1010.5	1703.0	1300.5

SPIN	MXGR	MYGR	MXPR	MYPR	SK-W	SPQU
.000	-76.153	-2.455	-34.761	.856	-81721.	-77905.
120.361	-63.252	-2.448	-28.720	.754	-81257.	-75550.
120.362	-63.252	-2.448	-28.720	.754	-81257.	-75550.
197.900	-55.075	-2.453	-24.982	.644	-80143.	-73261.
263.300	-48.312	-2.398	-21.965	.609	-77932.	-70292.
329.333	-41.688	-2.511	-19.038	.347	-75769.	-66754.
395.752	-35.342	-2.543	-16.336	.255	-73700.	-64113.
469.366	-28.451	-2.554	-13.460	.179	-70939.	-60981.
469.367	-28.451	-2.554	-13.460	.179	-70939.	-60981.
481.259	-27.399	-2.553	-13.022	.176	-70515.	-60500.
481.260	-28.318	-.274	-13.171	.602	-68457.	-53917.
492.632	-27.462	-.312	-12.780	.564	-67875.	-53212.
492.633	-27.462	-.312	-12.780	.564	-67875.	-53212.
527.750	-24.835	-.395	-11.581	.467	-66082.	-51038.
577.275	-21.288	-.414	-10.000	.432	-63788.	-48680.
577.276	-21.171	-2.230	-10.000	-.437	-49360.	-53092.
659.500	-15.400	-2.421	-7.458	-.542	-45862.	-48441.
733.919	-10.297	-2.466	-5.269	-.633	-42545.	-44426.
733.920	-10.297	-2.466	-5.269	-.633	-42545.	-44426.
743.913	-9.663	-2.451	-4.993	-.629	-42127.	-43920.
743.919	-11.142	.335	-5.423	.200	-25246.	-29685.
753.917	-10.771	.304	-5.237	.276	-24722.	-29020.
753.918	-10.771	.304	-5.237	.276	-24722.	-29020.
791.364	-9.580	.243	-4.641	.204	-23006.	-26855.
887.500	-7.339	.193	-3.563	.176	-20638.	-23975.
923.400	-5.470	.074	-2.624	.093	-17947.	-20637.
969.400	-3.795	-.017	-1.815	.024	-15327.	-17456.
1035.300	-2.397	-.012	-1.153	.027	-13394.	-15203.
1121.300	-1.190	-.020	-.579	.013	-10754.	-12201.
1154.500	-.739	.013	-.363	.026	-8397.	-9559.
1137.256	-.402	.062	-.201	.043	-6237.	-7155.
1230.200	-.177	.097	-.090	.054	-3663.	-4271.
1253.200	-.052	.035	-.027	.019	-796.	-942.
1236.200	-.022	.024	-.011	.013	-393.	-472.
1319.170	.000	.000	-.003	.000	.0.	.0.

PREPARED *	*	INITIAL INERTIA LOADS	PAGE NO. **3.2-136
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG1054-12-1
DATE *****1/14/68*		SWEPT AXIS SYSTEM	CASE 1 *** F10124

FUEL WT. 4050.0 LB.	DENSITY 6.500 LB./GAL.	ALTITUDE 3.000 DEG.
LOAD AXIS ORIGIN	F.S. 1116.583 B.L.	.000 H.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1105.583 B.L.	.000 H.L. 265.000

TAKE 1	2	3	4	5	6	7	8
WT. 350.4	.0	.0	.0	.0	1010.0	1743.0	1300.5

SFA.	MYPO	MYPO	MYPO
.000	-5.642	7.105	61.315
120.301	-4.945	6.347	51.043
120.302	-4.945	6.347	51.043
147.900	-4.521	5.867	44.574
203.300	-4.180	5.477	39.120
329.800	-3.858	5.093	34.739
395.752	-3.551	4.729	23.952
469.306	-3.222	4.337	23.406
469.887	-3.222	4.337	23.406
481.259	-3.171	4.277	22.544
481.260	-2.573	3.203	22.249
492.632	-2.532	3.156	21.607
492.633	-2.532	3.156	21.607
527.700	-2.405	3.009	19.803
577.275	-2.236	2.819	16.778
577.276	-2.472	2.614	16.773
659.500	-2.183	2.334	12.681
738.919	-1.929	2.037	8.927
738.920	-1.929	2.037	8.927
748.918	-1.897	2.056	8.442
748.919	-.577	.509	7.678
758.917	-.559	.493	7.444
758.918	-.559	.493	7.444
791.504	-.500	.440	6.657
857.500	-.369	.343	5.137
923.400	-.269	.255	3.369
939.400	-.202	.178	2.750
1055.300	-.127	.111	1.724
1121.500	-.064	.056	.859
1154.500	-.043	.037	.504
1137.256	-.025	.022	.226
1220.200	-.010	.009	.039
1253.200	-.002	.002	.006
1256.200	-.001	.001	-.006
1319.173	.000	-.000	.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-137
CHECKED **	*		MODEL *****Q-5A
APPROVED *	*	*** FUEL ***	REPORT NO. *IG1US54-12-1
DATE *****1/05/68*			CASE ID *** FIC105

FUEL WT. 4650.0 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE 25.000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583 B.L. .000	W.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L. .000	W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.0	.0	.0	.0	.0	1010.5	1768.0	1300.5

STA.	SZHZ	MXHZ	MYHZ	MYHX	SZTDW	SXTD0
.000	-4050.	-3.268	1.601	.248	4140.	-384.
127.361	-4050.	-2.708	1.301	.205	4140.	-384.
120.362	-4050.	-2.708	1.301	.205	4140.	-384.
197.900	-4324.	-2.355	1.557	.173	4030.	-336.
263.300	-2354.	-2.124	1.257	.161	3257.	22.
329.300	-2325.	-1.971	1.254	.149	3247.	26.
395.752	-2325.	-1.817	1.254	.137	3247.	26.
469.000	-2325.	-1.645	1.254	.124	3247.	26.
489.007	-2325.	-1.645	1.254	.124	3247.	26.
481.259	-2325.	-1.618	1.254	.122	3247.	26.
481.260	-2325.	-1.618	1.254	.122	3247.	26.
492.632	-2325.	-1.592	1.254	.120	3247.	26.
492.633	-2325.	-1.592	1.254	.120	3247.	26.
527.700	-2325.	-1.511	1.254	.113	3247.	26.
577.275	-2325.	-1.395	1.254	.104	3247.	26.
577.276	-2325.	-1.395	1.254	.104	3247.	26.
659.500	-2325.	-1.204	1.254	.087	3247.	26.
738.919	-2325.	-1.019	1.254	.075	3247.	26.
738.920	-2325.	-1.019	1.254	.075	3247.	26.
748.918	-2325.	-.996	1.254	.073	3247.	26.
748.919	-2325.	-.996	1.254	.073	3247.	26.
758.917	-2325.	-.973	1.254	.072	3247.	26.
758.918	-2325.	-.973	1.254	.072	3247.	26.
791.504	-2325.	-.897	1.254	.066	3247.	26.
857.500	-2325.	-.744	1.254	.051	3247.	26.
923.400	-2325.	-.591	1.254	.042	3247.	26.
989.400	-2325.	-.437	1.254	.030	3247.	26.
1055.500	-2325.	-.284	1.254	.018	3247.	26.
1121.500	-2147.	-.131	1.165	.007	3017.	27.
1154.500	-1573.	-.070	.874	.004	2264.	23.
1167.250	-1025.	-.027	.535	.002	1516.	23.
1220.200	-306.	-.003	.213	.000	557.	10.
1253.200	0.	.000	.000	.000	0.	0.
1266.200	0.	.000	.000	.000	0.	0.
1319.275	0.	.000	.000	.000	0.	0.

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-138
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** FUEL ***	REPORT NO. * IG1054-12
DATE *****11/08/68*			CASE ID *** F10105

FUEL WT.	4650.0 LB.	DENSITY	0.500 LB./GAL.	ALTITUDE	25,000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583	B.L.	.000	W.L.	350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583	B.L.	.000	W.L.	265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.0	.0	.0	.0	.0	1010.0	1750.0	1300.0

STA.	MYT00	MYT00	MYT00	MYT05	SZP0	MYP0
.000	4.036	-1.395	.062	-.354	-8463.	-8.671
120.361	3.537	-1.398	.016	-.315	-8463.	-7.656
120.362	3.537	-1.398	.016	-.315	-8463.	-7.656
197.900	3.218	-1.386	-.013	-.282	-8312.	-7.006
263.300	2.973	-1.765	-.025	-.211	-7110.	-6.488
329.300	2.759	-1.764	-.023	-.194	-7090.	-6.020
395.752	2.545	-1.764	-.022	-.177	-7090.	-5.552
469.366	2.304	-1.764	-.020	-.153	-7090.	-5.026
469.367	2.304	-1.764	-.020	-.153	-7090.	-5.026
481.259	2.267	-1.764	-.019	-.156	-7090.	-4.946
481.260	2.267	-1.764	-.019	-.156	-7090.	-4.946
492.632	2.230	-1.764	-.019	-.153	-7090.	-4.865
492.633	2.230	-1.764	-.019	-.153	-7090.	-4.865
527.700	2.116	-1.764	-.018	-.144	-7090.	-4.616
577.273	1.955	-1.763	-.017	-.131	-7090.	-4.265
577.276	1.955	-1.763	-.017	-.131	-7090.	-4.265
659.500	1.688	-1.763	-.015	-.111	-7090.	-3.681
738.919	1.431	-1.763	-.013	-.091	-7090.	-3.113
738.920	1.431	-1.763	-.013	-.091	-7090.	-3.113
748.913	1.398	-1.763	-.012	-.088	-7090.	-3.047
748.919	1.393	-1.763	-.012	-.083	-7090.	-3.047
753.917	1.366	-1.763	-.012	-.086	-7090.	-2.977
753.918	1.366	-1.763	-.012	-.086	-7090.	-2.977
791.304	1.260	-1.763	-.011	-.077	-7090.	-2.745
857.300	1.045	-1.763	-.009	-.061	-7090.	-2.277
923.400	.831	-1.763	-.003	-.044	-7090.	-1.810
969.400	.617	-1.763	-.006	-.028	-7090.	-1.342
1055.300	.403	-1.762	-.004	-.011	-7090.	-.875
1121.300	.190	-1.647	-.002	.005	-6578.	-.409
1154.300	.103	-1.265	-.001	.010	-4882.	-.219
1187.256	.040	-.869	-.001	.010	-3220.	-.034
1220.200	.005	-.329	-.000	.005	-1163.	-.010
1253.200	.000	.000	.000	.000	0.	.000
1286.200	.000	.000	.000	.000	0.	.000
1319.170	.000	.000	.000	.000	0.	.000

PREPARED * *
 CHECKED ** *
 APPROVED * *
 DATE *****11/11/68*

UNIT I EXTRA LOADS

*** FUEL ***

PAGE NO. **3.2-139
 MODEL *****C-5A
 REPORT NO. *IG1US54-12-1
 PAGE IS *** F10105

FUEL WT. 4850.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 25.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.533 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.533 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1018.5	1768.0	1300.5

STA.	MYPD	MZPD	MXPS	MXPS100	MYPS100	MZPS100
.000	4.036	.046	.722	-.307	-.059	-10.571
120.561	4.036	.046	.596	-.268	-.580	-9.553
120.562	4.036	.046	.596	-.263	-.580	-9.553
197.900	4.016	.040	.515	-.242	-.587	-8.684
263.800	3.833	-.015	.466	-.226	-.492	-8.249
329.800	3.830	-.015	.432	-.209	-.455	-7.780
395.752	3.830	-.015	.397	-.193	-.419	-7.312
469.886	3.830	-.015	.358	-.174	-.378	-6.737
469.887	3.830	-.015	.358	-.174	-.373	-6.787
481.259	3.830	-.015	.352	-.171	-.372	-6.706
481.260	3.830	-.015	.352	-.171	-.372	-6.706
492.632	3.830	-.015	.346	-.168	-.365	-6.625
492.633	3.830	-.015	.346	-.168	-.365	-6.625
527.700	3.830	-.015	.328	-.159	-.345	-6.377
577.275	3.830	-.015	.302	-.147	-.319	-6.025
577.276	3.830	-.015	.302	-.147	-.319	-6.025
659.600	3.830	-.015	.259	-.126	-.274	-5.441
738.919	3.830	-.015	.217	-.106	-.230	-4.679
738.920	3.830	-.015	.217	-.106	-.230	-4.879
748.918	3.830	-.015	.212	-.104	-.224	-4.808
748.919	3.830	-.015	.212	-.104	-.224	-4.808
758.917	3.830	-.015	.207	-.101	-.219	-4.737
758.918	3.830	-.015	.207	-.101	-.219	-4.737
791.504	3.830	-.015	.190	-.093	-.201	-4.506
857.500	3.830	-.015	.155	-.076	-.165	-4.038
923.400	3.830	-.015	.121	-.060	-.123	-3.671
989.400	3.830	-.015	.086	-.043	-.092	-3.103
1055.500	3.830	-.015	.052	-.026	-.056	-2.636
1121.500	3.573	-.016	.019	-.011	-.022	-2.050
1154.500	2.716	-.016	.011	-.006	-.012	-1.484
1187.250	1.338	-.013	.005	-.003	-.006	-.963
1220.200	.684	-.006	.001	-.001	-.001	-.338
1253.200	.000	.000	.000	.000	.000	.000
1286.200	.000	.000	.000	.000	.000	.000
1319.175	.000	.000	.000	.000	.000	.000

PREPARED *
CHECKED **
APPROVED *
DATE *****/03/53*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-140
CIEL *****C-5A
REPORT NO. *IG1US54-12-
CASE ID *** F10105

FUEL WT. 1550.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 25,000 DEG.
LOAD AXIS ORIGIN F.S. 1116.533 B.L. .000 A.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1116.533 B.L. .000 A.L. 265.000

TANK 1 2 3 4 5 6 7 8
WT. 250.0 .0 .0 .0 .0 1018.0 1763.0 1306.5

STA.	WZPSIDS	WZQR	WZPR	WZPS
.000	.000	-3.676	1.900	6.776
120.361	.499	-7.654	1.397	5.757
120.362	.499	-7.654	1.397	5.757
147.900	.798	-6.993	1.378	5.120
253.300	.859	-6.434	1.761	4.723
329.300	1.071	-6.016	1.760	4.256
395.752	1.285	-5.548	1.760	3.788
469.386	1.526	-5.023	1.760	3.263
469.367	1.526	-5.023	1.760	3.263
481.259	1.563	-4.942	1.760	3.182
481.260	1.563	-4.942	1.760	3.182
492.632	1.600	-4.862	1.760	3.101
492.633	1.600	-4.862	1.760	3.101
527.700	1.714	-4.615	1.760	2.353
577.275	1.875	-4.262	1.760	2.501
577.276	1.875	-4.262	1.760	2.501
659.600	2.142	-3.676	1.761	1.912
738.919	2.400	-3.116	1.761	1.355
738.920	2.400	-3.116	1.761	1.355
748.913	2.432	-3.045	1.761	1.284
748.919	2.432	-3.045	1.761	1.284
758.917	2.464	-2.974	1.761	1.213
758.918	2.464	-2.974	1.761	1.213
791.504	2.570	-2.743	1.761	.932
857.600	2.735	-2.276	1.761	.515
923.400	2.999	-1.308	1.761	.047
989.400	3.213	-1.341	1.761	-.421
1055.300	3.427	-.873	1.761	-.368
1121.500	3.583	-.408	1.546	-1.238
1154.500	2.613	-.219	1.265	-1.046
1167.236	1.799	-.034	.869	-.735
1220.200	.680	-.009	.329	-.319
1253.200	.000	.000	.000	.000
1286.200	.000	.000	.000	.000
1319.175	.000	.000	.000	.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. *3.2-141
CHECKED **	**		MODEL *****0-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG10554-12-1
DATE *****11/28/68*			CASE ID. *** F10105

FUEL WT.	4650.0 LB.	DENSITY	6.500 LB./GAL.	ALTITUDE	25.000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583	B.L.	.000	A.L.	350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583	B.L.	.000	A.L.	265.000

TANK	1	2	3	4	5	6	7	8
WT.	550.3	.0	.0	.0	.0	1012.5	1743.0	1300.5

STA.	SX1Z	IX1Z	MY1Z	MY2Z	SX1CL	SX1CD
.000	-72125.	-39.424	13.654	4.729	48314.	-3677.
120.361	-65741.	-31.047	17.325	4.131	46100.	-2227.
120.362	-65741.	-31.047	17.325	4.131	46100.	-2227.
197.000	-61465.	-26.113	17.124	3.740	44351.	-1337.
263.300	-55463.	-22.219	16.287	3.515	42164.	-369.
329.300	-52364.	-18.607	15.262	3.258	39531.	346.
395.752	-49349.	-15.270	14.545	3.026	37672.	460.
469.886	-46200.	-11.734	13.733	2.779	35568.	1353.
469.887	-46200.	-11.734	13.733	2.779	35568.	1353.
481.259	-45717.	-11.192	13.303	2.741	35246.	1427.
481.260	-34805.	-11.224	12.661	1.767	32792.	257.
492.632	-34205.	-10.846	12.473	1.741	32300.	338.
492.633	-34205.	-10.846	12.473	1.741	32300.	338.
527.700	-32355.	-9.681	11.894	1.660	30807.	587.
577.275	-30304.	-8.125	11.282	1.553	29221.	600.
577.276	-30304.	-8.125	11.282	1.553	29221.	600.
659.000	-27135.	-5.767	10.168	1.307	26337.	1224.
736.919	-24608.	-3.717	9.252	1.257	23964.	1471.
736.920	-24608.	-3.717	9.252	1.257	23964.	1471.
746.918	-24290.	-3.459	9.137	1.239	23665.	1502.
746.919	-13342.	-3.497	8.670	.233	17276.	-335.
756.917	-12965.	-3.374	6.515	.225	16874.	-365.
756.918	-12965.	-3.374	6.515	.225	16874.	-365.
791.504	-11736.	-2.974	6.709	.200	15564.	-207.
857.500	-10183.	-2.249	5.351	.153	13659.	-90.
923.400	-8523.	-1.648	4.576	.112	11858.	-9.
989.400	-7041.	-1.137	3.851	.077	9975.	45.
1055.500	-6055.	-.710	3.360	.047	8703.	70.
1121.500	-4751.	-.349	2.666	.023	6955.	50.
1154.500	-3662.	-.211	2.111	.014	5468.	79.
1187.250	-2699.	-.107	1.592	.008	4122.	69.
1220.200	-1572.	-.038	.959	.003	2485.	46.
1253.200	-532.	-.010	.212	.001	550.	12.
1286.200	-162.	-.003	.107	.000	273.	7.
1319.175	0.	.000	.000	.000	0.	0.

PREPARED * * UNIT INERTIA LOADS Page No. *K3.2-142
 CHECKED ** * MODEL ***KC-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. KLG1US54-12-
 DATE *****/****/88* CASE ID *** F10105

FUEL WT. 4050.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 25.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 550.4 40 40 40 40 1014.5 1743.0 1300.5

STA.	MYTDD	MYTDD	MYTDD	MYTDD	MYTDD	MYTDD	MYTDD
.000	32.746	-17.396	.191	-4.117	-102111.	-73.860	
120.361	27.038	-17.438	-.184	-3.505	-100912.	-61.608	
120.362	27.038	-17.438	-.184	-3.505	-100912.	-61.608	
197.900	23.525	-17.013	-.322	-3.100	-99142.	-53.845	
263.300	20.671	-16.539	-.380	-2.733	-96128.	-47.393	
329.800	17.974	-15.717	-.386	-2.353	-92923.	-41.126	
395.752	15.433	-15.177	-.343	-2.055	-89134.	-35.092	
469.366	12.730	-14.544	-.260	-1.737	-86527.	-28.533	
469.387	12.730	-14.544	-.260	-1.737	-86527.	-28.532	
481.259	12.315	-14.447	-.243	-1.688	-85974.	-27.526	
481.260	12.323	-13.993	-.251	-1.571	-72456.	-27.434	
492.632	11.963	-13.822	-.246	-1.520	-71682.	-26.632	
492.633	11.963	-13.822	-.246	-1.520	-71682.	-26.632	
527.700	10.356	-13.296	-.229	-1.365	-69298.	-24.167	
577.275	9.365	-12.734	-.194	-1.132	-66354.	-20.733	
577.276	9.365	-12.734	-.194	-1.132	-66354.	-20.733	
639.600	7.087	-11.892	-.103	-.397	-61295.	-15.526	
738.419	5.096	-10.773	-.001	-.671	-56659.	-10.835	
738.420	5.096	-10.773	-.001	-.671	-56659.	-10.835	
748.913	4.345	-10.663	.012	-.642	-56074.	-10.244	
748.919	4.368	-8.914	.006	-.463	-34939.	-10.119	
758.417	4.706	-8.742	.003	-.446	-34193.	-9.791	
758.418	4.706	-8.742	.003	-.446	-34193.	-9.791	
791.304	4.179	-8.131	-.005	-.371	-31762.	-8.720	
857.500	3.207	-7.434	-.015	-.257	-28443.	-6.728	
923.700	2.377	-6.479	-.013	-.161	-24652.	-5.011	
939.400	1.661	-5.532	-.017	-.085	-20987.	-3.503	
1055.360	1.051	-4.900	-.013	-.029	-18334.	-2.211	
1121.368	.328	-3.973	-.008	.012	-14701.	-1.104	
1134.300	.325	-3.179	-.006	.024	-11496.	-.875	
1137.256	.168	-2.410	-.003	.028	-8578.	-.346	
1220.200	.061	-1.524	-.001	.023	-5067.	-.126	
1253.200	.017	-.354	-.000	.007	-1104.	-.033	
1266.200	.005	-.135	-.000	.004	-547.	-.011	
1319.173	.000	.000	.000	.000	0.	.000	

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-143
 CHECKED * * MODEL ***0-5A
 APPROVED * * *** VI, 3 (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE ***11/06/03* CASE ID *** F10105

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 25.000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.583 S.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.583 S.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 555.4 .0 .0 .0 .0 1012.5 1763.0 1300.5

STA.	WZPD	WZPS	WZPS100	WZPS100	WZPS100	WZPS100
.000	32.746	1.001	3.705	-3.118	-6.514	-90.380
120.361	32.595	.810	7.392	-2.695	-7.575	-78.248
120.362	32.595	.810	7.392	-2.695	-7.575	-78.248
197.900	32.302	.637	6.665	-2.443	-6.955	-70.062
263.300	31.799	.491	6.130	-2.242	-6.510	-63.172
329.300	31.011	.300	5.658	-2.059	-6.044	-56.078
395.752	30.347	.173	5.259	-1.881	-5.602	-49.525
469.386	29.420	.046	4.866	-1.692	-5.125	-42.358
469.387	29.420	.046	4.866	-1.692	-5.125	-42.358
431.259	29.277	.026	4.805	-1.662	-5.053	-41.259
431.260	29.104	.138	3.595	-1.433	-3.846	-40.959
492.632	27.861	.112	3.542	-1.409	-3.783	-39.989
492.633	27.861	.112	3.542	-1.409	-3.783	-39.989
527.700	27.113	.031	3.330	-1.334	-3.609	-36.996
577.273	25.234	-.051	3.181	-1.233	-3.375	-33.122
577.276	25.234	-.051	3.181	-1.233	-3.375	-33.122
659.650	24.459	-.132	2.995	-1.179	-3.003	-26.794
733.919	22.700	-.273	2.675	-.943	-2.675	-21.212
733.920	22.780	-.273	2.675	-.943	-2.675	-21.212
748.918	22.568	-.234	2.647	-.926	-2.635	-20.508
748.919	17.305	.142	.597	-.327	-.691	-19.015
753.917	17.499	.129	.673	-.317	-.609	-18.514
753.918	17.499	.129	.673	-.317	-.609	-18.514
791.514	15.498	.032	.593	-.203	-.503	-16.882
857.500	15.091	.040	.450	-.219	-.425	-14.144
923.400	13.326	-.002	.327	-.163	-.345	-11.474
939.400	11.531	-.029	.222	-.114	-.229	-9.025
1055.300	13.235	-.041	.135	-.071	-.143	-7.103
1121.300	8.335	-.047	.064	-.035	-.072	-5.075
1154.300	6.626	-.046	.041	-.023	-.046	-3.653
1197.255	5.063	-.041	.023	-.013	-.026	-2.795
1220.200	3.093	-.029	.009	-.005	-.010	-1.849
1253.200	.706	-.006	.002	-.001	-.003	-.388
1236.200	.362	-.005	.001	-.001	-.001	-.195
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-144
 CHECKED ** * * * MODEL *****C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-
 DATE *****11/22/58* CASE I. *** FID165

FUEL WT. +350.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 25.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.4	.0	.0	.0	.0	1013.5	1723.0	1308.5

STA.	WZPSIOS	MXCR	MYPR	MZPR
.000	.000	-73.071	17.020	56.051
120.381	5.557	-60.810	16.639	44.171
120.382	5.557	-60.810	16.639	44.171
197.900	8.777	-53.050	16.212	36.332
263.300	11.128	-46.614	15.779	30.855
329.300	13.037	-40.362	14.952	25.409
395.752	14.909	-34.342	14.433	19.915
469.386	16.689	-27.814	13.826	13.980
469.387	16.689	-27.814	13.826	13.980
481.259	16.962	-26.812	13.732	13.079
481.260	16.782	-26.966	13.525	13.441
492.532	15.898	-26.166	13.357	12.809
492.533	15.898	-26.166	13.357	12.809
527.700	16.257	-23.699	12.833	10.561
577.275	16.868	-20.338	12.338	8.000
577.276	16.868	-20.338	12.338	7.999
639.300	17.372	-15.102	11.268	3.333
738.919	17.684	-10.433	10.377	.056
738.920	17.684	-10.433	10.377	.056
748.918	17.723	-9.345	10.265	-.420
748.919	12.938	-10.101	8.395	1.206
758.917	12.793	-9.772	8.723	1.049
758.918	12.793	-9.772	8.723	1.049
791.304	12.319	-8.702	8.163	.539
837.300	11.684	-6.711	7.416	-.706
923.400	10.950	-4.995	6.463	-1.468
989.400	9.869	-3.493	5.517	-2.084
1055.300	7.135	-2.207	4.397	-2.600
1121.300	7.502	-1.102	3.971	-2.859
1134.300	6.311	-.673	3.178	-2.505
1167.250	4.894	-.345	2.443	-2.103
1220.200	5.032	-.124	1.524	-1.399
1253.200	.689	-.034	.353	-.319
1285.200	.357	-.011	.184	-.174
1319.173	.000	.000	.000	.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-145
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG10554-12-1
DATE *****11/08/68*		SWEEP AXIS SYSTEM	CASE ID *** FI0105

FUEL WT.	4650.0 LB.	DENSITY	6.500 LB./GAL.	ATTITUDE	25.000 DEG.
LOAD AXIS ORIGIN		F.S.	1106.583	B.L.	.000
ROTATIONAL AXIS ORIGIN		F.S.	1106.583	B.L.	.000

TANK	1	2	3	4	5	6	7	8
WT.	556.9	.0	.0	.0	.0	1018.5	1763.0	1306.5

STA.	SXNX	SYNX	MXNX	MYNX	MZNX	MZNY
.000	-68459.	-22700.	-1.488	4.489	39.424	-10.318
120.361	-62400.	-20691.	-1.300	3.921	31.047	-8.059
120.362	-62400.	-20691.	-1.300	3.921	31.047	-8.059
197.900	-58341.	-19345.	-1.190	3.588	26.113	-6.413
263.800	-53594.	-17771.	-1.106	3.336	22.219	-5.214
329.800	-49703.	-16481.	-1.025	3.092	18.607	-3.847
395.752	-46841.	-15532.	-.952	2.872	15.270	-2.708
469.836	-43852.	-14541.	-.875	2.638	11.734	-1.515
469.887	-43852.	-14541.	-.875	2.638	11.734	-1.515
481.259	-43394.	-14389.	-.863	2.602	11.192	-1.346
481.260	-33037.	-10955.	-.556	1.677	11.224	-3.325
492.632	-32467.	-10766.	-.548	1.652	10.846	-3.170
492.633	-32467.	-10766.	-.548	1.652	10.846	-3.170
527.700	-30711.	-10183.	-.522	1.576	9.681	-2.718
577.275	-28764.	-9533.	-.490	1.479	8.125	-2.189
577.276	-27827.	-11999.	-.617	1.431	8.125	-2.189
659.600	-24917.	-10744.	-.553	1.283	5.767	-1.063
738.919	-22597.	-9744.	-.493	1.154	3.717	-.153
738.920	-22597.	-9744.	-.498	1.154	3.717	-.153
748.918	-22305.	-9618.	-.491	1.138	3.459	-.051
748.919	-12252.	-5283.	-.092	.214	3.497	-1.679
758.917	-11906.	-5134.	-.089	.207	3.374	-1.609
758.918	-11906.	-5133.	-.089	.207	3.374	-1.609
791.504	-10776.	-4647.	-.079	.183	2.974	-1.404
857.500	-9351.	-4032.	-.061	.141	2.249	-1.065
923.400	-7826.	-3374.	-.045	.103	1.648	-.749
989.400	-6465.	-2788.	-.030	.071	1.137	-.487
1055.300	-5542.	-2390.	-.019	.043	.710	-.305
1121.300	-4363.	-1981.	-.009	.021	.349	-.146
1154.300	-3363.	-1450.	-.006	.013	.211	-.101
1187.256	-2479.	-1069.	-.003	.007	.107	-.072
1220.200	-1444.	-622.	-.001	.003	.038	-.052
1253.200	-305.	-131.	-.000	.001	.010	-.016
1286.200	-149.	-64.	-.000	.000	.003	-.009
1319.173	0.	0.	-.000	.000	-.000	-.000

PREPARED * * * * * JET INERTIA LOADS PAGE NO. **3.2-146
 CHECKED ** * * * * * MODEL *****C-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-
 DATE *****1/47/58* SWEEP AXIS SYSTEM CASE ID *** FIC105

FUEL WT. 4650.0 LB. DENSITY 6.512 LB./GAL. ALTITUDE 25,000 DEG.
 LOAD AXIS ORIGIN F.S. 1116.533 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.533 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	556.4	.0	.0	.0	.0	1013.5	1743.0	1300.5

STA.	SZ12	SK12	YN12	SK100	SY100	SZ100
.000	-72125.	-40.825	-2.140	-3490.	-1157.	48314.
120.361	-55741.	-32.006	-2.122	-2114.	-701.	46168.
120.362	-55741.	-32.006	-2.122	-2114.	-701.	46168.
147.910	-61465.	-26.805	-2.132	-1259.	-421.	44351.
263.800	-55463.	-22.731	-2.044	-351.	-116.	+2164.
329.800	-52364.	-13.872	-2.205	329.	109.	39530.
395.762	-49349.	-15.346	-2.236	822.	273.	37672.
469.835	-46200.	-11.615	-2.255	1234.	426.	35568.
469.837	-46200.	-11.615	-2.255	1234.	426.	35568.
481.259	-45717.	-11.047	-2.245	1355.	449.	35246.
481.260	-34805.	-11.700	-.376	244.	31.	32792.
492.632	-34203.	-11.292	-.405	321.	106.	32306.
492.633	-34205.	-11.292	-.405	321.	106.	32306.
527.710	-32355.	-10.044	-.467	557.	185.	30307.
577.275	-31304.	-8.401	-.479	817.	271.	29221.
577.276	-31304.	-8.328	-1.207	790.	341.	29221.
659.500	-27135.	-5.717	-1.307	1124.	465.	26337.
738.919	-24802.	-3.474	-1.331	1351.	563.	23964.
738.920	-24802.	-3.474	-1.331	1351.	563.	23964.
746.916	-24290.	-3.136	-1.323	1340.	595.	23665.
746.919	-15342.	-3.376	.157	-308.	-153.	17276.
758.917	-12965.	-3.736	.142	-290.	-121.	16374.
758.918	-12965.	-3.736	.142	-290.	-121.	16374.
791.584	-11736.	-3.287	.111	-190.	-82.	15564.
857.500	-10133.	-2.487	.037	-93.	-36.	13359.
923.400	-8523.	-1.810	.035	-6.	-4.	11368.
989.800	-7841.	-1.237	-.002	41.	13.	9975.
1055.300	-6035.	-.773	-.000	64.	26.	8793.
1121.300	-4751.	-.378	-.004	74.	32.	6953.
1154.300	-3652.	-.234	.009	72.	31.	5658.
1137.256	-2699.	-.127	.023	63.	27.	4122.
1220.200	-1572.	-.055	.032	43.	18.	2465.
1253.200	-332.	-.016	.010	11.	5.	550.
1266.200	-162.	-.006	.007	6.	3.	273.
1519.175	0.	-.000	.000	0.	0.	0.

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-147
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG10554-12-1
DATE *****11/09/58*		3-PT AXIS SYSTEM	CASE 1 *** F10105

FUEL WT.	1050.0 LB.	DENSITY	6.500 LB./GAL.	ALTITUDE	25.000 DEG.
LOAD AXIS ORIGIN	F.S. 1125.583	B.L.	.000	A.L.	350.250
ROTATIONAL AXIS ORIGIN	F.S. 1125.583	B.L.	.000	A.L.	265.000

TANK	1	2	3	4	5	6	7	8
WT.	555.9	.0	.0	.0	.0	1018.5	1763.0	1306.5

STW.	MXTD0	MYTD0	MZTD0	SWT05	SYT05	SZT05
.000	35.035	-1.515	.191	45359.	15200.	3677.
120.351	28.994	-1.532	-.184	43822.	14531.	2227.
120.352	23.994	-1.532	-.184	43822.	14531.	2227.
197.900	25.251	-1.408	-.322	42097.	13959.	1337.
263.300	22.229	-1.359	-.380	40040.	13277.	369.
329.300	19.295	-1.081	-.386	37521.	12442.	-346.
395.732	16.586	-.970	-.343	35758.	11857.	-366.
469.333	13.701	-.970	-.260	33751.	11195.	-1353.
469.337	13.701	-.870	-.260	33751.	11195.	-1353.
481.259	13.251	-.864	-.243	33454.	11093.	-1427.
481.260	13.332	-1.055	-.251	31126.	10321.	-257.
492.632	12.940	-1.014	-.246	30664.	10168.	-338.
492.633	12.940	-1.014	-.246	30664.	10168.	-338.
527.700	11.739	-.911	-.229	29242.	9695.	-587.
577.275	10.154	-.864	-.194	27736.	9197.	-860.
577.276	10.190	.022	-.194	26834.	11570.	-860.
559.500	7.633	.135	-.108	24135.	10423.	-1224.
734.919	5.439	.257	-.001	22005.	9486.	-1471.
734.920	5.439	.257	-.001	22005.	9486.	-1471.
748.916	5.166	.255	.012	21731.	9370.	-1502.
743.919	5.441	-.324	.006	15864.	6840.	305.
754.917	5.255	-.301	.003	15495.	6681.	305.
754.916	5.255	-.301	.003	15495.	6681.	305.
791.504	4.658	-.249	-.005	14292.	6162.	207.
857.500	3.579	-.200	-.016	12726.	5487.	96.
923.400	2.638	-.116	-.013	10839.	4695.	9.
939.400	1.329	-.046	-.017	9160.	3950.	-45.
1055.300	1.161	-.039	-.013	7992.	3446.	-70.
1121.300	.585	-.023	-.008	6399.	2755.	-50.
1154.300	.369	-.035	-.006	5021.	2165.	-79.
1187.256	.205	-.051	-.003	3785.	1632.	-69.
1220.200	.092	-.058	-.001	2282.	954.	-46.
1253.200	.027	-.019	-.000	505.	212.	-12.
1266.200	.011	-.013	-.000	255.	110.	-7.
1319.173	-.000	.000	.000	0.	0.	-0.

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-148
 CHECKED * * * * * MODEL ***C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *****11/10/58K SWEPT AXIS SYSTEM CASE I. *** F101J5

FUEL WT. 4650.0 LB. DENSITY 6.300 LB./GAL. ALTITUDE 25,000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.533 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.533 B.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8

WT. 552.9 .0 .0 .0 .0 1013.5 1723.0 1306.5

STA.	MXIDS	MYIDS	MZIDS	SPRD	MXID	MYPD
.000	1.352	-3.470	-32.745	-102110.	-76.921	-2.693
120.351	.825	-3.070	-27.038	-100910.	-64.013	-2.680
120.352	.825	-3.070	-27.033	-100910.	-64.013	-2.680
137.900	.597	-2.822	-23.525	-99142.	-55.837	-2.686
263.300	.477	-2.645	-20.671	-96128.	-49.060	-2.627
329.300	.400	-2.431	-17.974	-92923.	-42.421	-2.736
395.752	.337	-2.255	-15.433	-90134.	-36.055	-2.751
469.336	.412	-2.070	-12.730	-86527.	-29.110	-2.774
469.337	.412	-2.070	-12.730	-86527.	-29.110	-2.774
481.259	.417	-2.044	-12.315	-85974.	-28.064	-2.762
481.260	.278	-1.636	-12.323	-72456.	-28.769	-.405
492.532	.274	-1.608	-11.963	-71632.	-27.911	-.442
492.533	.274	-1.608	-11.963	-71632.	-27.911	-.442
527.700	.264	-1.526	-10.356	-69296.	-25.277	-.523
577.275	.259	-1.428	-9.355	-66354.	-21.718	-.539
577.276	.392	-1.399	-9.365	-66354.	-21.569	-2.422
659.000	.419	-1.244	-7.787	-61295.	-15.793	-2.574
738.919	.480	-1.116	-5.095	-56659.	-10.674	-2.610
738.920	.480	-1.116	-5.095	-56659.	-10.674	-2.610
743.918	.488	-1.101	-4.345	-56075.	-10.037	-2.593
743.919	.141	-.313	-4.358	-34939.	-11.164	.343
753.917	.134	-.302	-4.705	-34193.	-10.797	.312
753.918	.134	-.302	-4.706	-34193.	-10.797	.312
791.364	.110	-.256	-4.179	-31752.	-9.604	.251
857.500	.073	-.207	-3.207	-28443.	-7.413	.201
923.800	.046	-.151	-2.377	-24652.	-5.492	.063
989.600	.027	-.104	-1.661	-20937.	-3.616	-.006
1055.300	.014	-.054	-1.051	-16334.	-2.419	.002
1121.300	.005	-.031	-.528	-14701.	-1.200	-.005
1154.900	.003	-.020	-.325	-11495.	-.749	.033
1187.256	.001	-.011	-.168	-8573.	-.410	.077
1220.200	.000	-.004	-.061	-5067.	-.181	.105
1253.200	-.000	-.001	-.017	-1104.	-.053	.035
1236.200	-.000	-.000	-.005	-547.	-.022	.024
1319.173	.000	.000	-.000	0.	-.000	.000

PREPARED *	*	INITIAL INERTIA LOADS	PAGE NO. **3.2-149
CHECKED **	*		MODEL ****40-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. #IG10854-12-1
DATE *****11/00/68*		SWEPT AXIS SYSTEM	CASE ID *** F10105

FUEL WT. 4050.0 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE 25.000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583 B.L. .000	L.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L. .000	L.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	386.0	.0	.0	.0	.0	1712.5	1763.0	1306.5

STA.	MZPS	SYPS	SYPS	WZPS	MZPS	WZPS
.000	.601	-32133.	96921.	8.452	2.163	21.654
120.361	.479	-31761.	95792.	7.157	1.872	17.605
120.362	.479	-31760.	95792.	7.157	1.872	17.605
197.900	.424	-31204.	94103.	6.459	1.645	15.026
263.300	.413	-30255.	91243.	5.950	1.532	12.948
329.300	.376	-29246.	88200.	5.439	1.424	10.754
395.752	.381	-28369.	85553.	5.111	1.293	8.727
469.868	.403	-27233.	82130.	4.745	1.140	6.538
469.867	.403	-27233.	82130.	4.745	1.140	6.538
461.259	.403	-27059.	81605.	4.690	1.124	6.218
461.260	.207	-22906.	68774.	3.477	.935	8.070
492.632	.203	-22561.	68039.	3.426	.922	8.365
492.633	.203	-22561.	68039.	3.426	.922	8.365
527.700	.197	-21810.	65774.	3.270	.877	7.459
577.275	.207	-20894.	62932.	3.184	.805	6.324
577.276	.207	-20873.	60931.	3.003	1.070	6.324
659.600	.223	-24270.	56236.	2.749	.936	3.692
738.919	.271	-22434.	52029.	2.563	.810	1.630
738.920	.271	-22434.	52029.	2.563	.810	1.630
748.718	.273	-22203.	51492.	2.540	.793	1.593
748.719	.017	-13337.	32094.	.647	.261	4.737
758.717	.014	-13539.	31399.	.623	.254	4.551
758.718	.014	-13539.	31399.	.623	.254	4.551
791.504	.007	-12576.	29166.	.547	.229	4.034
857.509	-.000	-11262.	26119.	.413	.178	3.120
923.400	-.006	-9761.	22637.	.298	.135	2.250
959.400	-.008	-8310.	19272.	.201	.095	1.504
1053.300	-.006	-7259.	16335.	.122	.059	.955
1121.500	-.004	-6821.	13500.	.057	.029	.470
1154.300	-.003	-4552.	10557.	.036	.019	.326
1187.250	-.002	-3396.	7877.	.020	.011	.233
1220.200	-.002	-2006.	4653.	.008	.005	.158
1253.200	-.001	-437.	1014.	.002	.001	.053
1286.200	-.000	-217.	503.	.001	.001	.031
1319.173	.000	0.	-0.	.000	.000	.000

PREPARED * * * * * UNIT I ENTIA 00400 PAGE NO. *3.2-150
 CHECKED * * * * * MODEL * * * * * C-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. *4G10554-12-1
 DATE * * * * * 11/08/68 * * * * * GASET AXIS SYSTEM PAGE 10 * * * * * FIC105

FUEL WT. 4550.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 25.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	556.7	.0	.0	.0	.0	1014.5	1755.0	1306.5

STA.	SAPS100	SYP5100	XPS100	YPS100	ZPS100	XZPS100	YZPS100
.000	112127.	35628.	-.230	-9.063	-85.001	-11.093	
120.361	110313.	33874.	-.174	-8.039	-71.390	-9.433	
120.362	110313.	33374.	-.174	-8.139	-71.390	-9.433	
197.900	108052.	32472.	-.120	-7.400	-62.334	-8.499	
263.800	104520.	30606.	-.079	-6.885	-54.900	-7.723	
329.800	100642.	28918.	-.051	-6.384	-47.461	-7.219	
395.752	97410.	27546.	-.023	-5.909	-40.489	-6.711	
469.800	93324.	25950.	.008	-5.398	-32.952	-6.192	
469.837	93324.	25950.	.008	-5.398	-32.952	-6.192	
481.259	92698.	25705.	.012	-5.322	-31.805	-6.097	
481.260	79095.	22551.	-.150	-4.102	-32.184	-3.652	
492.632	78207.	22240.	-.145	-4.039	-31.202	-3.599	
492.655	78207.	22240.	-.145	-4.039	-31.202	-3.599	
527.710	75471.	21253.	-.130	-3.845	-28.233	-3.396	
577.275	72179.	20068.	-.109	-3.591	-24.354	-3.041	
577.276	72501.	23483.	.204	-3.587	-24.354	-3.041	
659.600	66714.	23145.	.193	-3.185	-17.955	-3.196	
733.919	61517.	21033.	.193	-2.731	-12.351	-3.266	
738.920	61517.	21083.	.193	-2.731	-12.351	-3.266	
748.918	60362.	20823.	.193	-2.795	-11.655	-3.253	
748.919	36924.	18142.	-.026	-.764	-12.552	-.131	
758.917	36080.	13319.	-.026	-.740	-12.129	-.145	
758.918	38060.	13319.	-.026	-.740	-12.129	-.145	
791.504	35329.	12766.	-.023	-.661	-10.775	-.145	
857.500	31006.	11350.	-.017	-.513	-8.311	-.057	
923.400	27332.	9769.	-.013	-.331	-6.145	-.126	
969.700	23221.	8269.	-.010	-.264	-4.257	-.157	
1055.500	20281.	7195.	-.006	-.164	-2.712	-.095	
1121.500	16255.	5747.	-.004	-.080	-1.355	-.056	
1154.500	12721.	4480.	-.002	-.052	-.682	.001	
1167.256	9509.	3333.	-.001	-.029	-.474	.064	
1220.200	5637.	1964.	-.000	-.011	-.215	.007	
1253.200	1232.	425.	-.000	-.003	-.063	.036	
1266.200	613.	210.	-.000	-.001	-.027	.025	
1319.173	-0.	-0.	-.000	.000	.000	.000	

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-157
 CHECKED * * * QUEL *****C-5A
 APPROVED * * * *** 4216 (FUEL INCLUDED) *** REPORT NO. * IG10S54-12-
 DATE *****17/01/69* SHEET AXIS SYSTEM CASE ID. *** F10103

FUEL WT. 4650.0 LB. DENSITY 6.500 LB./GAL. ALTITUDE 25.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	350.9	.0	.0	.0	.0	1012.5	1763.0	1300.5

STA.	MXCR	MYCR	MXPR	MYPR	MXPD	SYPD
.000	-76.173	-2.445	-34.787	.867	-61715.	-77997.
120.361	-63.261	-2.429	-28.742	.774	-61251.	-75502.
120.362	-63.260	-2.429	-28.742	.774	-61251.	-75502.
197.900	-55.083	-2.434	-25.001	.654	-60144.	-73301.
263.800	-46.320	-2.331	-21.963	.619	-77960.	-70295.
329.800	-41.695	-2.495	-19.054	.356	-75759.	-66767.
395.752	-35.349	-2.527	-16.352	.264	-73097.	-64120.
469.806	-26.450	-2.548	-13.475	.138	-70935.	-60994.
469.807	-26.450	-2.548	-13.475	.138	-70935.	-60994.
481.259	-27.406	-2.537	-13.036	.185	-70511.	-60514.
481.260	-26.325	-.258	-13.165	.611	-58453.	-53930.
492.632	-27.469	-.296	-12.794	.573	-57871.	-53225.
492.633	-27.469	-.296	-12.794	.573	-57871.	-53225.
527.700	-24.843	-.370	-11.595	.476	-56078.	-51052.
577.275	-21.295	-.395	-10.013	.442	-53735.	-48620.
577.276	-21.180	-2.245	-10.014	-.429	-49301.	-53105.
659.806	-15.400	-2.406	-7.470	-.574	-45656.	-48454.
739.919	-10.305	-2.451	-5.260	-.625	-42540.	-44439.
739.920	-10.305	-2.451	-5.260	-.625	-42540.	-44439.
748.918	-9.671	-2.436	-5.009	-.621	-42122.	-43935.
748.919	-11.151	.550	-5.434	.307	-25243.	-29698.
756.917	-10.780	.319	-5.248	.204	-24718.	-29033.
756.918	-10.730	.319	-5.248	.204	-24718.	-29033.
791.504	-9.538	.250	-4.651	.232	-23004.	-26603.
857.500	-7.398	.208	-3.572	.134	-20631.	-23906.
923.400	-5.478	.039	-2.632	.101	-17948.	-20650.
939.400	-3.603	-.002	-1.823	.032	-15322.	-17470.
1055.300	-2.405	.003	-1.160	.035	-13380.	-15251.
1121.300	-1.198	-.005	-.384	.021	-10745.	-12210.
1134.300	-.747	.033	-.368	.034	-8392.	-9573.
1167.250	-.909	.077	-.205	.050	-6244.	-7132.
1220.200	-.181	.105	-.092	.058	-3669.	-4203.
1255.200	-.052	.035	-.027	.019	-790.	-942.
1286.200	-.022	.024	-.011	.013	-393.	-472.
1319.173	.000	.000	-.000	.000	0.	0.

PREPARED *	*	UNIT I ER704 LOADS	PAGE NO. **3.2-152
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WIND (FUEL INCLUDED) ***	REPORT NO. *IG1US54-12-
DATE **** 1/0-75*		SHORT AXIS SYSTEM	CASE I *** F10105

FUEL WT. 4650.0 LB.	DENSITY 6.500 LB./GAL.	ALTITUDE 25,000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583 B.L. .000	A.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L. .000	A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	350.0	.0	.0	.0	.0	1018.5	1753.0	1300.5

STA.	HXPQ	WYPQ	MZPQ
.000	-5.639	7.100	51.300
120.361	-4.942	6.342	51.029
120.362	-4.942	6.342	51.029
197.934	-4.513	5.362	44.560
263.800	-4.177	5.473	39.107
329.800	-3.655	5.039	34.027
395.752	-3.549	4.725	28.951
469.866	-3.219	4.333	23.394
469.867	-3.219	4.333	23.394
481.259	-3.168	4.273	22.533
481.260	-2.571	3.199	22.236
492.632	-2.529	3.152	21.596
492.633	-2.529	3.152	21.596
527.700	-2.402	3.006	19.596
577.275	-2.233	2.815	16.767
577.276	-2.469	2.511	16.767
659.000	-2.130	2.330	12.671
733.919	-1.926	2.084	8.917
736.920	-1.926	2.084	8.917
743.916	-1.394	2.053	8.432
748.919	-.574	.505	7.668
753.917	-.556	.439	7.434
756.918	-.556	.439	7.434
791.304	-.497	.437	6.647
857.500	-.385	.340	5.127
923.400	-.286	.252	3.860
989.000	-.199	.174	2.742
1055.300	-.124	.108	1.715
1121.300	-.061	.053	.351
1134.300	-.039	.034	.496
1167.256	-.022	.019	.218
1220.200	-.009	.007	.035
1253.200	-.002	.002	.006
1286.200	-.001	.001	-.006
1319.173	.000	-.000	.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-153
CHECKED **	*		MODEL ****C-5A
APPROVED *	*	*** FUEL ***	REPORT NO. *LG1US54-12-1
DATE ****1/02/68*			CASE ID *** F10201

FUEL WT. 23562.5 LB.	DENSITY 6.503 LB./GAL.	ATTITUDE -29.000 DEG.
LOAD AXIS ORIGIN	F.S. 1196.583 B.L.	.000 W.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L.	.000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	17473.0	17483.0	13000.5

SFA.	SZHZ	MXHZ	MYNZ	MY X	SZTDC	SXTDC
.000	-23562.	-14.135	6.366	1.007	16488.	-2594.
120.361	-23562.	-11.299	6.366	.737	16488.	-2594.
120.362	-23562.	-11.299	6.366	.737	16488.	-2594.
197.900	-16739.	-9.757	5.971	.697	15466.	-1225.
263.800	-12252.	-8.798	5.510	.642	14270.	-398.
329.370	-11778.	-8.016	5.463	.582	14150.	-312.
395.752	-11778.	-7.239	5.463	.522	14150.	-312.
469.386	-11778.	-6.366	5.463	.454	14150.	-312.
469.387	-11778.	-6.366	5.463	.454	14150.	-312.
461.259	-11778.	-6.232	5.463	.444	14150.	-312.
461.260	-11778.	-6.232	5.463	.444	14150.	-312.
492.632	-11778.	-6.098	5.463	.433	14150.	-312.
492.633	-11778.	-6.098	5.463	.433	14150.	-312.
527.700	-11778.	-5.635	5.463	.401	14150.	-312.
577.275	-11778.	-5.101	5.463	.356	14150.	-312.
577.275	-11778.	-5.101	5.463	.356	14150.	-312.
639.530	-11778.	-4.131	5.463	.291	14150.	-312.
738.919	-11778.	-3.197	5.463	.208	14150.	-312.
738.920	-11778.	-3.197	5.463	.208	14150.	-312.
748.913	-11778.	-3.079	5.463	.199	14150.	-312.
748.919	-11778.	-3.079	5.463	.199	14150.	-312.
738.917	-11778.	-2.962	5.463	.190	14150.	-312.
738.915	-11778.	-2.962	5.463	.190	14150.	-312.
791.534	-11778.	-2.578	5.463	.160	14150.	-312.
857.500	-11778.	-1.800	5.463	.100	14150.	-312.
923.400	-9909.	-1.053	4.607	.051	11930.	-213.
989.400	-5938.	-.539	2.388	.027	7480.	-61.
1055.500	-3276.	-.240	1.650	.012	4273.	2.
1121.500	-1574.	-.082	.369	.002	2252.	15.
1154.500	-1045.	-.038	.551	.000	1427.	12.
1187.256	-542.	-.012	.290	-.000	750.	9.
1220.200	-129.	-.001	.070	-.000	180.	3.
1253.200	0.	.000	.000	.000	0.	0.
1236.200	0.	.000	.000	.000	0.	0.
1319.175	0.	.000	.000	.000	0.	0.

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-154
 CHECKED ** * MODEL *****0-5A
 APPROVED * * *** FUEL *** REPORT NO. *IG1054-12-
 DATE *****11/04/68* CASE IL *** F10201

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1126.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1126.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10510.0	.0	.0	.0	.0	.0	12472.0	1768.0	1306.5

STA.	AXTOD	MYTOD	AZTOD	MYTOS	SZPO	MXPO
.000	14.837	-6.793	.726	-1.406	-36610.	-32.493
121.351	12.852	-6.818	.414	-1.252	-36610.	-28.111
120.362	12.852	-6.818	.414	-1.252	-36610.	-28.111
147.900	11.619	-6.745	.269	-1.081	-33850.	-25.381
263.300	10.637	-6.601	.215	-.924	-31179.	-23.231
323.660	9.702	-6.591	.193	-.844	-30822.	-21.195
393.762	8.768	-6.593	.173	-.772	-30822.	-19.164
469.886	7.719	-6.595	.150	-.690	-30822.	-16.881
469.887	7.719	-6.595	.150	-.690	-30822.	-16.881
481.259	7.538	-6.595	.146	-.678	-30822.	-16.531
481.260	7.538	-6.595	.146	-.678	-30822.	-16.530
492.632	7.397	-6.595	.143	-.665	-30822.	-16.180
492.633	7.397	-6.595	.143	-.665	-30822.	-16.180
527.700	6.901	-6.596	.132	-.627	-30822.	-15.100
577.276	6.200	-6.597	.116	-.572	-30822.	-13.573
577.276	6.200	-6.597	.116	-.572	-30822.	-13.573
659.600	5.035	-6.599	.091	-.482	-30822.	-11.038
736.919	3.912	-6.601	.066	-.395	-30822.	-8.595
736.920	3.912	-6.601	.066	-.395	-30822.	-8.595
748.918	3.771	-6.602	.063	-.384	-30822.	-8.237
748.919	3.771	-6.602	.063	-.384	-30822.	-8.237
753.917	3.629	-6.602	.060	-.373	-30822.	-7.979
753.918	3.629	-6.602	.060	-.373	-30822.	-7.979
791.504	3.163	-6.603	.049	-.337	-30822.	-6.976
857.500	2.234	-6.604	.029	-.265	-30822.	-4.943
923.400	1.334	-6.637	.010	-.162	-26188.	-2.980
989.600	.791	-3.652	.001	-.063	-16613.	-1.576
1055.500	.321	-2.156	-.001	-.014	-9578.	-.725
1121.300	.112	-1.171	-.001	.004	-5076.	-.258
1154.500	.052	-.753	-.001	.006	-3222.	-.118
1137.256	.016	-.401	-.000	.005	-1696.	-.037
1220.200	.001	-.098	-.000	.002	-409.	-.003
1253.200	.000	.000	.000	.000	0.	.000
1266.200	.000	.000	.000	.000	0.	.000
1319.173	.000	.000	.000	.000	0.	.000

PREPARED * * UNIT INERTIA LOADS PAGE 0. **3.2-155
 CHECKED ** * MODEL *****0-5A
 APPROVED * * *** FUEL *** REPORT NO. *IG1US54-12-1
 DATE *****11/00/03* CASE ID *** F10201

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 I.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.	.0	.0	.0	.0	.0	10472.1	1758.0	1306.5

STA.	MYPD	MZPD	MXPS	IXPS100	MYPS100	MZPS100
.000	14.837	.320	3.121	-1.085	-2.345	-39.353
120.351	14.837	.320	2.467	-.731	-2.053	-34.956
120.362	14.837	.320	2.467	-.931	-2.053	-34.956
197.930	14.680	.236	2.123	-.345	-1.854	-32.150
263.000	14.401	.148	1.915	-.777	-1.700	-29.860
329.800	14.368	.140	1.736	-.774	-1.543	-27.811
395.752	14.368	.140	1.553	-.632	-1.385	-25.778
469.886	14.368	.140	1.357	-.550	-1.203	-23.493
469.837	14.368	.140	1.357	-.550	-1.203	-23.493
431.259	14.368	.140	1.327	-.538	-1.160	-23.143
431.260	14.368	.140	1.327	-.533	-1.180	-23.143
492.632	14.368	.140	1.296	-.526	-1.153	-22.792
492.633	14.368	.140	1.296	-.526	-1.153	-22.792
527.700	14.368	.140	1.201	-.497	-1.089	-21.711
577.275	14.368	.140	1.067	-.433	-.951	-20.153
577.276	14.368	.140	1.067	-.433	-.951	-20.153
659.500	14.368	.140	.844	-.342	-.734	-17.846
738.919	14.368	.140	.630	-.255	-.564	-15.201
738.920	14.368	.140	.630	-.255	-.564	-15.201
748.918	14.368	.140	.603	-.244	-.540	-14.693
748.919	14.368	.140	.603	-.244	-.540	-14.693
758.917	14.368	.140	.575	-.233	-.515	-14.585
758.918	14.368	.140	.575	-.233	-.515	-14.584
791.364	14.368	.140	.488	-.197	-.433	-13.580
857.300	14.368	.140	.369	-.125	-.280	-11.546
923.400	12.353	.097	.159	-.066	-.150	-8.514
969.700	8.101	.028	.081	-.035	-.080	-5.225
1055.300	4.530	-.001	.034	-.015	-.035	-2.530
1121.300	2.638	-.007	.006	-.003	-.005	-1.425
1154.300	1.699	-.006	.000	-.000	-.001	-.671
1187.256	.907	-.005	-.002	.001	.001	-.439
1220.200	.221	-.001	-.001	.000	.001	-.100
1253.200	.000	.000	.000	.000	.000	.000
1286.200	.000	.000	.000	.000	.000	.000
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * *
CHECKED * *
APPROVED * *
DATE *** 11/28/58 *

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. ** 3.2-156
MODEL ***** C-5A
REPORT NO. * IG1054-12-
PAGE ID *** F10201

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
LOAD AXIS ORIGIN F.S. 1106.533 S.L. .000 V.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.533 S.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10478.0	1763.0	1300.0

STA.	MZPS105	MXGR	MYPR	MZP1
.000	.000	-32.559	6.869	25.700
120.361	1.934	-23.138	6.845	21.294
120.362	1.985	-23.138	6.845	21.294
197.390	3.061	-25.405	6.769	18.636
263.800	3.764	-23.258	6.628	16.630
329.300	4.567	-21.219	6.616	14.604
395.752	5.600	-19.185	6.614	12.571
469.336	6.649	-16.898	6.612	10.286
469.387	6.649	-16.898	6.612	10.286
481.259	6.810	-16.547	6.612	9.935
481.260	6.810	-16.547	6.612	9.935
492.632	6.971	-16.197	6.612	9.585
492.633	6.971	-16.197	6.612	9.585
527.700	7.467	-15.115	6.611	8.504
577.273	8.169	-13.536	6.610	6.976
577.276	8.169	-13.536	6.610	6.976
659.600	9.334	-11.046	6.603	4.439
738.919	10.456	-8.599	6.606	1.994
738.920	10.456	-8.599	6.606	1.994
748.916	10.598	-8.291	6.606	1.686
748.919	10.598	-8.291	6.606	1.685
758.917	10.739	-7.933	6.605	1.377
758.919	10.739	-7.933	6.605	1.377
791.504	11.200	-6.977	6.605	.373
837.500	12.134	-4.942	6.603	-1.661
923.400	11.018	-2.977	6.634	-2.657
939.400	7.400	-1.574	3.650	-2.075
1055.300	4.509	-.724	2.156	-1.432
1121.300	2.525	-.254	1.171	-.917
1154.300	1.647	-.118	.753	-.635
1187.256	.891	-.037	.401	-.364
1220.200	.220	-.003	.099	-.095
1253.200	.000	.000	.000	.000
1286.200	.000	.000	.000	.000
1319.173	.000	.000	.000	.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-157
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. * IG10554-12-
 DATE *****11/18/58* CASE ID *** FI0201

FUEL WT. 23562.5 LB. DENSITY 6.300 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 S.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.0	.0	.0	.0	.0	10479.0	1788.0	1300.5

STA.	SZMZ	MXMZ	MYMZ	MYMX	SZTDC	SXTDC
.000	-91037.	-50.291	23.413	5.488	50854.	-5387.
120.351	-84654.	-39.638	22.589	4.713	58506.	-4437.
120.352	-84654.	-39.638	22.589	4.713	58506.	-4437.
137.900	-73879.	-33.515	21.539	4.304	55785.	-2226.
263.800	-66392.	-28.893	20.539	3.996	53197.	-789.
329.800	-61817.	-24.652	19.472	3.691	50433.	8.
395.752	-56302.	-20.691	18.754	3.411	48575.	528.
469.386	-55653.	-16.455	17.942	3.110	46472.	1014.
469.387	-55653.	-16.455	17.942	3.110	46471.	1014.
481.259	-55170.	-15.805	17.817	3.063	46149.	1089.
481.260	-44258.	-15.837	16.970	2.899	43695.	-81.
492.632	-43658.	-15.352	16.683	2.754	43209.	-0.
492.633	-43658.	-15.352	16.683	2.754	43209.	-0.
527.720	-41808.	-13.855	16.104	1.943	41718.	249.
577.275	-39757.	-11.831	15.491	1.810	40124.	522.
577.276	-39757.	-11.830	15.491	1.810	40124.	522.
659.500	-36588.	-8.695	14.375	1.588	37240.	800.
738.919	-34061.	-5.895	13.462	1.390	34867.	1133.
738.920	-34061.	-5.895	13.462	1.390	34867.	1133.
748.918	-33743.	-5.542	13.346	1.365	34568.	1104.
748.919	-22795.	-5.530	10.880	.359	28179.	-673.
758.917	-22415.	-5.353	10.724	.344	27777.	-643.
758.918	-22415.	-5.353	10.724	.344	27777.	-643.
791.504	-21189.	-4.655	10.219	.294	26467.	-545.
857.500	-19536.	-3.306	9.560	.270	24761.	-434.
923.400	-16007.	-2.111	7.931	.122	20543.	-243.
989.400	-10534.	-1.238	5.465	.174	14205.	-42.
1055.500	-5936.	-.666	3.756	.041	9724.	45.
1121.500	-4278.	-.300	2.391	.018	6193.	66.
1154.500	-3135.	-.179	1.788	.011	4631.	63.
1137.255	-2216.	-.092	1.296	.006	3352.	55.
1220.250	-1535.	-.036	.314	.003	2106.	39.
1253.200	-.532.	-.010	.212	.001	550.	12.
1286.200	-162.	-.003	.107	.000	270.	7.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-158
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *LG1US54-12-
 DATE *****11/23/68* CASE ID *** F10201

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29,000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.583 B.L. .000 A.L. 350,250
 ROTATIONAL AXIS ORIGIN F.S. 1176.583 B.L. .000 V.L. 265,000

TANK 1 2 3 4 5 6 7 8
 WT. 10010.0 .0 .0 .0 .0 10473.0 1768.0 1300.6

STA.	MXTD0	MYTD0	MZTD0	MYTDS	SZPD	MXPD
.000	43.547	-22.707	.855	-5.171	-130257.	-97.562
120.361	36.353	-22.357	.214	-4.441	-129057.	-82.064
120.362	36.353	-22.357	.214	-4.441	-129057.	-82.064
197.910	31.925	-21.872	-.040	-3.399	-124676.	-72.220
253.300	28.335	-21.395	-.140	-3.446	-120197.	-64.137
329.300	24.916	-20.544	-.169	-3.009	-116655.	-56.301
395.752	21.661	-20.007	-.148	-2.649	-113868.	-48.704
469.886	18.146	-19.375	-.091	-2.269	-110259.	-40.337
469.887	18.146	-19.375	-.091	-2.269	-110259.	-40.337
481.259	17.606	-19.279	-.082	-2.211	-109700.	-39.111
481.260	17.614	-18.825	-.086	-2.093	-96188.	-39.019
492.632	17.131	-18.654	-.084	-2.033	-95415.	-37.947
492.633	17.131	-18.654	-.084	-2.033	-95414.	-37.947
527.700	15.641	-18.129	-.079	-1.848	-93028.	-34.641
577.275	13.610	-17.612	-.061	-1.623	-90086.	-30.092
577.276	13.610	-17.612	-.061	-1.623	-90086.	-30.092
659.500	10.434	-15.525	-.003	-1.269	-83027.	-22.833
738.919	7.578	-15.617	.077	-.975	-80391.	-16.312
738.920	7.578	-15.617	.077	-.975	-80391.	-16.312
743.915	7.218	-15.502	.087	-.933	-79007.	-15.483
748.919	7.241	-13.753	.031	-.765	-68671.	-13.359
758.917	6.970	-13.531	.075	-.733	-57925.	-14.793
758.918	6.970	-13.531	.075	-.733	-57925.	-14.793
791.504	6.087	-13.020	.056	-.631	-55494.	-12.950
857.500	4.396	-12.275	.023	-.463	-52175.	-9.393
923.400	2.379	-10.353	-.000	-.279	-43750.	-5.130
969.400	1.745	-7.421	-.010	-.120	-30510.	-3.742
1055.000	.969	-5.294	-.010	-.033	-20821.	-2.061
1121.500	.450	-3.497	-.007	.011	-13200.	-.950
1154.500	.274	-2.657	-.005	.020	-9636.	-.574
1137.253	.145	-1.932	-.003	.023	-7053.	-.300
1223.200	.058	-1.293	-.001	.020	-4312.	-.118
1253.200	.017	-.354	-.000	.007	-1104.	-.035
1286.200	.005	-.135	-.000	.004	-547.	-.011
1319.173	.000	.000	.000	.000	(.	.000

PREPARED * *
CHECKED ** *
APPROVED * *
DATE *****12/05/68*

UNIT INERTIA LOADS

PAGE NO. **3-2-159
MODEL *****C-5A
REPORT NO. *LG10554-12-1
PAGE ID *** F10201

FUEL WT. 23062.5 LB. DENSITY 6.300 LB./GAL. ALTITUDE -29.000 DEG.
LOAD AXIS ORIGIN F.S. 1196.583 B.L. .000 A.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1196.583 B.L. .000 A.L. 265.000

TABLE 1 2 3 4 5 6 7 8
WT. 10010.0 .0 .0 .0 .0 10472.0 1763.0 1306.5

SIA	MYPO	MYZPO	MXPS	MXPSID0	MYPSID0	MYZPSID0
.000	43.547	1.274	11.104	-3.396	-10.250	-119.671
120.351	43.395	1.034	9.263	-3.353	-9.049	-103.651
120.352	43.395	1.034	9.263	-3.353	-9.049	-103.651
197.900	42.965	.853	8.273	-3.046	-8.313	-93.328
263.300	42.368	.653	7.573	-2.793	-7.713	-84.733
329.300	41.549	.456	6.962	-2.553	-7.131	-76.109
395.752	40.385	.329	6.419	-2.321	-6.563	-67.991
469.336	39.958	.201	5.865	-2.068	-5.956	-59.065
469.687	39.953	.201	5.865	-2.068	-5.956	-59.065
431.259	39.816	.181	5.779	-2.029	-5.662	-57.695
431.260	39.643	.293	4.569	-1.300	-4.655	-57.396
492.632	38.400	.267	4.491	-1.766	-4.576	-56.155
492.633	38.400	.267	4.491	-1.766	-4.576	-56.155
527.700	37.651	.136	4.253	-1.562	-4.332	-52.330
577.273	36.772	.104	3.946	-1.513	-4.007	-47.230
577.276	36.772	.104	3.946	-1.513	-4.007	-47.230
659.600	34.997	-.027	3.431	-1.293	-3.423	-38.996
738.919	33.313	-.117	3.037	-1.092	-3.010	-31.534
738.920	33.313	-.117	3.037	-1.092	-3.010	-31.534
748.918	33.106	-.129	3.037	-1.067	-2.950	-30.593
748.919	28.345	.297	1.933	-.467	-1.067	-29.099
758.917	28.037	.234	1.942	-.449	-.967	-28.351
758.918	28.037	.234	1.942	-.449	-.967	-28.351
791.554	27.036	.243	.391	-.383	-.335	-25.956
857.500	25.530	.196	.604	-.268	-.500	-21.552
923.400	21.849	.111	.365	-.169	-.306	-16.516
989.400	15.802	.015	.217	-.106	-.227	-11.148
1055.300	11.235	-.027	.117	-.060	-.127	-7.352
1121.300	7.395	-.038	.051	-.027	-.057	-4.445
1154.300	5.620	-.037	.030	-.017	-.035	-3.240
1187.200	4.131	-.032	.016	-.009	-.019	-2.281
1220.200	2.630	-.024	.007	-.004	-.009	-1.411
1253.200	.706	-.008	.002	-.001	-.003	-.338
1286.200	.352	-.005	.001	-.001	-.001	-.195
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * * * * * UNIT INERTIA LOADS PAGE NO. ** 3.2-160
 CHECKED ** * * * * * MODEL ***** C-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. * IG1US54-12-
 DATE ***** 1/06/68 * * * * * CASE ID *** F10201

FUEL WT. 23062.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29,000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. LBS.	.0	.0	.0	.0	10472.0	1793.0	1306.0	

STA.	MZPSLOS	AXOR	MYPR	MZPO
.000	.000	-96.964	21.989	74.975
120.361	7.042	-61.294	21.587	59.707
120.362	7.042	-61.294	21.587	59.707
197.900	11.040	-71.456	21.109	50.343
263.300	14.033	-63.388	20.646	42.742
329.300	16.633	-55.565	19.308	35.757
395.752	19.224	-47.935	19.237	28.697
469.386	21.812	-39.639	18.678	21.012
469.387	21.812	-39.639	18.678	21.011
481.259	22.210	-38.417	18.584	19.332
481.260	21.029	-38.571	18.377	20.194
492.632	21.269	-37.501	18.209	19.293
492.633	21.269	-37.501	18.209	19.293
527.700	22.011	-34.201	17.689	16.512
577.475	23.163	-29.652	17.138	12.474
577.476	23.163	-29.652	17.138	12.474
659.300	24.564	-22.479	16.115	6.354
733.919	25.740	-15.917	15.222	.695
735.920	25.740	-15.917	15.222	.695
743.919	25.838	-15.091	15.119	-.019
743.919	21.104	-15.347	13.740	1.507
758.917	21.067	-14.731	13.566	1.213
758.916	21.067	-14.731	13.566	1.213
791.504	20.949	-12.936	13.003	-.070
857.000	21.233	-9.377	12.253	-2.332
923.400	18.970	-6.163	10.336	-4.173
939.400	14.037	-3.727	7.406	-3.679
1055.300	10.267	-2.058	5.291	-3.233
1121.300	6.944	-.946	3.495	-2.543
1154.300	5.345	-.572	2.666	-2.193
1187.200	3.936	-.209	1.981	-1.682
1220.200	2.572	-.118	1.293	-1.175
1253.200	.689	-.034	.353	-.319
1286.200	.357	-.011	.184	-.174
1319.173	.000	.000	.000	.000

PREPARED *	*	JMIT INERTIA LOADS	PAGE NO. **3.2-161
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG1054-12-
DATE *****11/05/63*		SWEEP AXIS SYSTEM	CASE ID. *** F10201

FUEL WT. 23562.5 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE -29.000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583 B.L. .000	A.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L. .000	A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10472.0	1763.0	1306.5

STA.	SXNX	SYNX	IXIX	YXIX	MXIX	MYIX
.000	-86411.	-28653.	-1.727	5.209	50.291	-13.525
120.361	-80352.	-26644.	-1.463	4.474	39.613	-10.014
120.362	-80352.	-26644.	-1.463	4.474	39.613	-10.014
197.960	-70125.	-23253.	-1.355	4.045	33.515	-8.664
263.800	-63017.	-20896.	-1.258	3.793	28.893	-7.519
329.800	-56076.	-19456.	-1.162	3.503	24.652	-5.996
395.752	-55014.	-18507.	-1.074	3.233	20.691	-4.650
469.366	-52825.	-17516.	-.979	2.952	16.455	-3.225
469.887	-52825.	-17516.	-.979	2.952	16.455	-3.225
481.259	-52356.	-17364.	-.964	2.903	15.605	-3.020
481.260	-42009.	-13930.	-.637	1.993	15.837	-4.999
492.632	-41440.	-13741.	-.647	1.950	15.352	-4.308
492.633	-41440.	-13741.	-.647	1.950	15.352	-4.308
527.700	-39683.	-13159.	-.613	1.849	13.655	-4.247
577.275	-37736.	-12513.	-.570	1.713	11.534	-3.562
577.276	-36500.	-11742.	-.717	1.662	11.330	-3.562
659.600	-33598.	-14487.	-.629	1.459	8.695	-2.101
738.919	-31278.	-13487.	-.550	1.276	5.895	-.867
738.920	-31278.	-13486.	-.550	1.276	5.895	-.867
748.916	-30935.	-13360.	-.540	1.254	5.542	-.724
748.919	-20933.	-9026.	-.142	.329	5.560	-2.333
758.917	-20586.	-8876.	-.136	.315	5.363	-2.242
758.918	-20586.	-8876.	-.136	.315	5.363	-2.242
791.504	-19457.	-8390.	-.117	.270	4.685	-1.904
857.500	-18032.	-7775.	-.079	.193	3.306	-1.296
923.400	-14699.	-6338.	-.048	.112	2.111	-.740
969.400	-9734.	-4219.	-.020	.068	1.233	-.395
1055.300	-6415.	-2766.	-.016	.037	.686	-.220
1121.300	-3928.	-1694.	-.007	.016	.301	-.104
1154.300	-2879.	-1241.	-.004	.010	.179	-.067
1187.250	-2035.	-877.	-.002	.005	.092	-.049
1220.250	-1226.	-529.	-.001	.002	.036	-.043
1253.250	-305.	-131.	-.000	.001	.010	-.016
1286.250	-149.	-64.	-.000	.000	.003	-.009
1319.173	0.	0.	-.000	.000	-.000	-.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-142
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG1US54-12-
DATE *****11/08/66*		SHEPT AXIS SYSTEM	ISSUE 1L *** F102J1

FUEL WT. 23862.5 LB.	DENSITY 6.500 LB./GAL.	ALTITUDE -29.000 DEG.
LOAD AXIS ORIGIN	F.S. 1116.583 B.L.	W.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1116.583 B.L.	W.L. 265.000

TANK	1	2	3	4	5	6	7	8
W.L. 10010.0						10470.0	1763.0	1303.5

STA.	SZMZ	MXMZ	MYMZ	SXTPD	SYTPD	SZTPD
.000	-91037.	-51.993	-2.983	-5538.	-1850.	60654.
120.301	-84654.	-40.776	-2.970	-4211.	-1396.	58508.
120.362	-84654.	-40.776	-2.970	-4211.	-1396.	58508.
197.900	-73879.	-34.539	-2.325	-2113.	-701.	55785.
263.800	-66392.	-29.791	-1.957	-749.	-248.	53197.
329.800	-61817.	-25.236	-2.068	9.	3.	50433.
395.752	-58802.	-21.103	-2.099	511.	166.	48575.
469.886	-55653.	-16.634	-2.113	963.	319.	46472.
469.887	-55653.	-16.634	-2.113	963.	319.	46471.
481.259	-55170.	-15.952	-2.103	1634.	343.	46149.
481.260	-44258.	-16.606	-.239	-77.	-26.	43695.
492.632	-43658.	-16.085	-.268	-0.	-0.	43209.
492.633	-43658.	-16.035	-.268	-0.	-0.	43209.
527.700	-41808.	-14.487	-.330	236.	76.	41710.
577.275	-39757.	-12.350	-.342	495.	164.	40124.
577.276	-39757.	-12.274	-1.413	479.	207.	40124.
659.600	-36338.	-8.816	-1.513	613.	351.	37240.
738.919	-34061.	-5.756	-1.537	1040.	449.	34867.
738.920	-34061.	-5.756	-1.537	1040.	449.	34867.
748.918	-33743.	-5.376	-1.529	1059.	461.	34568.
748.919	-22795.	-6.056	-.049	-618.	-267.	28179.
758.917	-22413.	-5.812	-.065	-591.	-265.	27777.
758.918	-22413.	-5.812	-.065	-591.	-265.	27777.
791.504	-21159.	-5.028	-.095	-500.	-216.	26467.
857.300	-19036.	-3.549	-.119	-399.	-172.	24762.
923.400	-16007.	-2.231	-.157	-228.	-98.	20543.
969.400	-10654.	-1.293	-.127	-39.	-17.	14208.
1055.300	-6966.	-.699	-.062	41.	18.	9729.
1121.300	-4278.	-.316	-.023	51.	26.	6193.
1154.300	-3135.	-.191	-.009	58.	26.	4531.
1187.256	-2216.	-.104	.008	50.	22.	3353.
1220.200	-1335.	-.050	.025	36.	16.	2108.
1253.200	-332.	-.016	.010	11.	5.	550.
1286.200	-162.	-.006	.007	6.	3.	278.
1319.173	0.	-.000	.000	0.	0.	0.

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-163
 CHECKED * * * MODEL ***C-5A
 APPROVED * * * *** WING (FUEL ENCLOSED) *** REPORT NO. IG1US54-12-1
 DATE ***11/08/68* SWEEP AXIS SYSTEM CASE ID *** F10201

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 13010.0	.0	.0	.0	.0	.0	10473.0	1783.0	1306.5

STATION	MYTOD	MYTOD	MYTOD	SKTDS	SYTDS	SZTDS
.000	46.407	-1.593	.355	57572.	19090.	5387.
120.361	38.807	-1.530	.214	55534.	18415.	4437.
120.362	38.807	-1.530	.214	55534.	18415.	4437.
197.900	34.127	-1.486	-.040	52450.	17558.	2226.
263.300	30.345	-1.487	-.140	50493.	16743.	789.
329.300	26.656	-1.223	-.169	47870.	15873.	-8.
395.752	23.190	-1.113	-.143	46107.	15289.	-528.
469.886	19.454	-1.015	-.091	44110.	14626.	-1014.
469.887	19.454	-1.015	-.091	44110.	14626.	-1014.
431.259	18.883	-1.009	-.032	43803.	14523.	-1089.
431.260	18.955	-1.200	-.086	41475.	13753.	61.
492.632	18.432	-1.150	-.084	41013.	13600.	0.
492.633	18.432	-1.150	-.084	41013.	13600.	0.
527.700	16.828	-1.057	-.079	39591.	13128.	-249.
577.275	14.674	-1.012	-.051	38085.	12629.	-522.
577.276	14.706	.236	-.051	36345.	15067.	-522.
659.350	11.173	.428	-.003	34197.	14748.	-880.
733.919	8.038	.499	.077	32017.	13805.	-1133.
733.920	8.033	.498	.077	32017.	13805.	-1133.
743.913	7.645	.497	.037	31743.	13687.	-1154.
743.919	7.921	-.042	.031	25276.	11157.	673.
758.917	7.616	-.060	.075	25507.	10998.	643.
758.918	7.616	-.060	.075	25507.	10998.	643.
791.554	6.633	-.008	.056	24304.	10479.	545.
857.300	4.771	.035	.023	22738.	9804.	434.
923.400	3.089	.109	-.000	18864.	8134.	248.
939.400	1.853	.110	-.010	13046.	5625.	42.
1055.300	1.036	.044	-.010	8934.	3852.	-45.
1121.300	.487	.007	-.007	5637.	2452.	-66.
1154.300	.302	-.007	-.005	4252.	1834.	-63.
1187.256	.169	-.026	-.003	3033.	1329.	-55.
1220.200	.034	-.047	-.001	1936.	835.	-39.
1253.200	.027	-.019	-.000	505.	210.	-12.
1285.200	.011	-.013	-.000	255.	110.	-7.
1319.173	-.000	.000	.000	0.	0.	-0.

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-164
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. * LG1US54-12-
DATE *****1/30/63*		SWEPT AXIS SYSTEM	BASE IL *** F10231

FUEL WT. 23362.5 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE -29.000 DEG.
LOAD AXIS ORIGIN	F.S. 1116.533 B.L.	.000 A.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1116.533 B.L.	.000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10473.0	1768.0	1306.6

SFA.	AXTDS	MYTDS	MZTDS	SZPD	MAXFD	MYPD
.000	2.237	-4.032	-43.547	-130257.	-101.970	-2.842
120.361	1.394	-3.523	-36.353	-129057.	-25.518	-2.835
120.362	1.394	-3.523	-36.353	-129057.	-25.518	-2.835
197.900	1.067	-3.345	-31.925	-124676.	-75.234	-2.570
263.300	.903	-3.168	-28.335	-120197.	-66.793	-2.345
329.300	.787	-2.911	-24.916	-116655.	-58.513	-2.420
395.752	.733	-2.632	-21.661	-113866.	-50.501	-2.446
469.366	.712	-2.437	-18.146	-110259.	-41.724	-2.460
469.887	.712	-2.437	-18.146	-110259.	-41.724	-2.460
431.259	.710	-2.401	-17.606	-109706.	-40.364	-2.447
431.260	.571	-1.993	-17.514	-96188.	-41.073	-.090
492.632	.560	-1.956	-17.131	-95415.	-39.936	-.128
492.633	.560	-1.956	-17.131	-95414.	-39.936	-.128
527.700	.528	-1.846	-15.641	-93023.	-36.427	-.208
577.273	.502	-1.708	-13.610	-90036.	-31.629	-.224
577.273	.549	-1.658	-13.610	-90036.	-31.400	-2.939
559.000	.516	-1.439	-10.434	-85027.	-23.573	-3.122
738.919	.623	-1.249	-7.573	-80391.	-16.401	-3.159
739.920	.623	-1.249	-7.573	-80391.	-16.401	-3.159
748.913	.624	-1.227	-7.213	-79807.	-15.506	-3.143
748.919	.277	-.439	-7.241	-58671.	-16.637	-.206
753.317	.263	-.420	-6.970	-57925.	-16.003	-.233
758.916	.253	-.420	-6.970	-57925.	-16.003	-.233
791.534	.216	-.351	-6.087	-55494.	-13.974	-.292
857.500	.132	-.246	-4.396	-52175.	-10.079	-.349
923.400	.060	-.154	-2.679	-43750.	-6.543	-.434
939.400	.030	-.096	-1.745	-30510.	-3.921	-.356
1055.300	.013	-.035	-.969	-20821.	-2.163	-.177
1121.300	.003	-.025	-.450	-13200.	-1.006	-.066
1134.300	.002	-.015	-.271	-9836.	-.615	-.024
1137.250	.001	-.008	-.145	-7053.	-.333	.028
1220.200	.000	-.003	-.053	-4312.	-.164	.033
1253.200	-.000	-.001	-.017	-1104.	-.053	.035
1286.200	-.000	-.000	-.005	-547.	-.002	.024
1319.173	.000	.000	-.000	0.	-.000	.000

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-165
 CHECKED ** * * * MODEL *****0-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. * IG10554-12-
 DATE *****11/08/88* SHEET NO. 10201 CASE ID *** FI0201

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.533 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.533 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.0	.0	.0	.0	.0	10478.0	1763.0	1306.5

STA.	MZPD	SXPS	SYPS	MXPS	MYPS	MZPS
.000	.635	-40997.	123637.	10.740	2.892	29.396
120.361	.425	-40619.	122493.	9.926	2.512	24.224
120.662	.425	-40619.	122493.	9.926	2.512	24.224
197.900	.465	-39240.	118340.	7.999	2.162	21.240
263.300	.498	-37831.	114089.	7.350	1.912	18.796
329.800	.453	-36716.	110726.	6.752	1.757	16.119
395.752	.455	-35838.	108080.	6.236	1.588	13.573
469.666	.469	-34703.	104656.	5.714	1.401	10.801
469.687	.469	-34703.	104656.	5.714	1.401	10.801
481.239	.473	-34529.	104131.	5.635	1.371	10.391
481.260	.271	-30274.	91300.	4.422	1.160	12.843
492.632	.267	-30031.	90565.	4.347	1.160	12.448
492.633	.267	-30031.	90565.	4.347	1.160	12.448
527.700	.257	-29230.	88300.	4.117	1.095	11.267
577.275	.261	-28353.	85503.	3.827	.994	9.742
577.276	.261	-28353.	85503.	3.827	.994	9.742
659.600	.270	-33666.	78078.	3.393	1.130	6.437
738.919	.302	-31831.	73821.	2.954	.945	3.593
738.920	.302	-31831.	73821.	2.954	.945	3.593
748.918	.307	-31599.	73285.	2.911	.921	3.254
748.919	.045	-23231.	53876.	1.017	.329	6.398
758.917	.041	-22935.	53101.	.973	.375	6.120
758.918	.041	-22935.	53101.	.973	.375	6.120
791.504	.029	-21973.	50059.	.830	.326	5.239
857.500	.013	-20659.	47911.	.550	.227	3.670
923.400	-.001	-17323.	40175.	.335	.146	2.192
989.400	-.006	-12080.	26016.	.197	.091	1.226
1055.300	-.004	-8244.	19120.	.106	.050	.696
1121.300	-.003	-5227.	12122.	.045	.023	.337
1154.300	-.002	-3895.	9032.	.027	.014	.221
1167.250	-.002	-2793.	6477.	.014	.008	.100
1220.200	-.001	-1707.	3960.	.006	.004	.141
1253.200	-.001	-437.	1014.	.002	.001	.053
1286.200	-.000	-217.	503.	.001	.001	.031
1319.173	.000	0.	-0.	.000	.000	.000

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-166
 CHECKED ** * MODEL *****C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. * IG10S54-12-
 DATE *****11/10/68* SWEPT AXIS SYSTEM CASE ID *** F10201

FUEL WT. 20562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -29.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.0	.0	.0	.0	.0	15079.0	1753.0	1306.5

STC.	SXPSID0	SYPSID0	PXPSID0	MYPSID0	PZPSID0	MZPSID0
.000	142727.	46584.	-.472	-10.955	-113.032	-14.150
120.361	140912.	44130.	-.330	-9.646	-94.960	-12.129
120.362	140912.	44830.	-.339	-9.646	-94.960	-12.129
197.900	135697.	41353.	-.275	-8.950	-23.607	-10.686
263.000	130832.	38580.	-.222	-8.205	-74.351	-9.538
329.600	126600.	36706.	-.179	-7.572	-65.115	-8.797
395.732	123368.	35337.	-.136	-6.964	-56.340	-8.088
469.636	119262.	33740.	-.089	-6.304	-46.776	-7.345
469.637	119262.	33740.	-.089	-6.304	-46.775	-7.345
461.259	116655.	33495.	-.031	-6.203	-46.317	-7.215
461.260	105052.	30351.	-.244	-4.985	-45.076	-4.770
492.632	104165.	30031.	-.236	-4.899	-44.403	-4.682
492.633	104165.	30031.	-.236	-4.899	-44.403	-4.682
527.700	101428.	29043.	-.214	-4.635	-40.500	-4.374
577.275	98136.	27853.	-.181	-4.281	-35.241	-3.868
577.276	98010.	35190.	.191	-4.281	-35.244	-3.863
659.600	92623.	32853.	.190	-3.711	-26.362	-3.967
736.919	87627.	30790.	.169	-3.196	-18.642	-3.965
736.920	87627.	30790.	.169	-3.196	-18.642	-3.965
740.916	86972.	30530.	.169	-3.131	-17.662	-3.964
748.919	85034.	23849.	-.030	-1.110	-18.558	-.643
756.917	84189.	23526.	-.029	-1.065	-17.861	-.650
756.918	84189.	23526.	-.029	-1.065	-17.861	-.650
791.564	81438.	22473.	-.025	-.920	-15.670	-.628
857.500	57716.	21058.	-.016	-.639	-11.230	-.726
923.400	48309.	17551.	-.010	-.403	-7.266	-.667
969.900	33642.	12119.	-.007	-.250	-4.360	-.619
1035.300	22972.	8203.	-.004	-.111	-2.423	-.272
1121.300	14574.	5166.	-.002	-.063	-1.134	-.113
1154.300	10866.	3837.	-.002	-.039	-.693	-.093
1167.256	7306.	2743.	-.001	-.021	-.390	.015
1220.260	4795.	1671.	-.000	-.009	-.194	.033
1253.200	1232.	426.	-.000	-.003	-.063	.056
1286.200	613.	210.	-.000	-.001	-.027	.025
1319.173	-0.	-0.	-.000	.000	.000	.000

STA.	MXOR	MYOR	MXPR	MYPR	SXPR	SYPR
.000	-101.283	-2.616	-46.130	.911	-104547.	-98503.
120.361	-84.787	-2.593	-33.564	.799	-104033.	-96153.
120.362	-84.787	-2.593	-33.564	.799	-104083.	-96153.
197.900	-74.310	-2.330	-33.387	.761	-100732.	-92190.
263.800	-66.083	-2.110	-30.109	.777	-97346.	-88324.
329.900	-57.815	-2.188	-26.424	.524	-94853.	-84586.
395.752	-49.818	-2.219	-22.964	.430	-92791.	-81945.
469.866	-41.072	-2.240	-19.234	.353	-90029.	-78313.
469.867	-41.071	-2.240	-19.234	.353	-90029.	-78313.
481.259	-39.735	-2.228	-13.665	.350	-89606.	-78332.
481.260	-40.653	.051	-18.314	.775	-77547.	-71749.
492.632	-39.513	.013	-18.292	.737	-76966.	-71044.
492.633	-39.513	.013	-18.292	.737	-76966.	-71044.
527.700	-36.009	-.070	-16.690	.639	-75173.	-68870.
577.275	-31.221	-.089	-14.539	.603	-72879.	-66438.
577.276	-31.095	-2.799	-14.536	-.661	-66037.	-72514.
659.600	-23.194	-2.959	-11.014	-.303	-63333.	-67363.
738.919	-16.039	-3.002	-7.331	-.361	-60016.	-63343.
738.920	-16.039	-3.002	-7.331	-.361	-60016.	-63343.
743.913	-15.146	-2.937	-7.491	-.357	-59596.	-63342.
743.919	-16.626	-.201	-7.016	.071	-42719.	-49107.
753.917	-15.996	-.232	-7.511	.043	-42193.	-43442.
753.918	-15.996	-.232	-7.511	.043	-42193.	-43442.
791.504	-13.961	-.293	-6.627	-.004	-40479.	-46277.
857.500	-10.064	-.343	-4.764	-.054	-38107.	-43397.
923.400	-6.528	-.427	-3.082	-.125	-32041.	-36187.
989.400	-3.908	-.330	-1.347	-.123	-22391.	-25127.
1055.300	-2.165	-.176	-1.035	-.047	-15208.	-17173.
1121.300	-1.004	-.065	-.437	-.009	-9006.	-10913.
1154.000	-.613	-.023	-.301	.005	-7199.	-8147.
1187.256	-.333	.028	-.169	.026	-5147.	-5875.
1220.200	-.164	.033	-.083	.047	-3125.	-3543.
1253.200	-.052	.035	-.027	.019	-796.	-942.
1286.200	-.022	.024	-.011	.013	-392.	-472.
1319.173	.000	.000	-.000	.000	0.	0

PREPARED * * * * * JOINT INERTIA LOADS PAGE NO. **3.2-168
 CHECKED * * * * * MODEL *****C-5A
 APPROVAL * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *****1/05/63* SWEPT AXIS SYSTEM CASE ID *** FI0201

FUEL WT. 23562.5 LB. DENSITY 6.510 LB./GAL. ALTITUDE -29,000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.533 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.533 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10710.0	.0	.0	.0	.0	10479.0	1783.0	1335.5

STA.	WZPD	WZPD	WZPD
.000	-6.924	3.502	31.564
120.561	-6.035	7.532	68.393
120.562	-6.035	7.532	68.393
127.900	-5.503	6.932	60.063
253.800	-5.080	6.447	53.174
329.800	-4.668	5.965	46.751
395.752	-4.270	5.503	40.349
469.386	-3.838	5.002	33.301
469.387	-3.833	5.002	33.301
481.259	-3.771	4.925	32.210
481.260	-3.174	3.851	31.914
492.632	-3.117	3.737	31.045
492.633	-3.117	3.787	31.045
527.700	-2.941	3.539	28.342
577.275	-2.703	3.325	24.513
577.275	-2.981	3.078	24.513
659.500	-2.569	2.636	18.650
733.919	-2.195	2.331	13.587
738.920	-2.195	2.331	13.587
743.918	-2.143	2.237	12.912
748.919	-.823	.740	12.147
753.917	-.795	.710	11.723
753.918	-.795	.710	11.723
791.504	-.687	.613	10.316
837.500	-.476	.427	7.540
923.400	-.300	.269	5.057
989.410	-.137	.166	3.109
1035.300	-.105	.093	1.691
1121.300	-.048	.042	.763
1154.300	-.029	.025	.448
1187.250	-.016	.014	.208
1220.200	-.007	.006	.042
1233.200	-.002	.002	.006
1236.200	-.001	.001	-.006
1319.173	.000	-.000	.000

PREPARED * * * * * JET INERTIA LOADS PAGE NO. **3.2-169
 CHECKED ** * * * * * MODEL *****0-5A
 APPROVED * * * * * *** FUEL *** REPORT NO. * IG10S54-12-
 DATE *****11/0-763* CASE ID *** F10202

FUEL WT. 33582.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 S.L. .000 S.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.L. .000 S.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 10010.0 .0 .0 .0 .0 10473.0 1713.0 1306.5

STA.	SZMZ	MXMZ	MYNZ	MYX	SXTDZ	SXTDD
.500	-23562.	-14.637	6.795	1.151	17601.	-2221.
120.361	-23562.	-11.851	6.795	.931	17601.	-2221.
120.362	-23562.	-11.851	6.795	.931	17601.	-2221.
197.930	-17542.	-10.265	6.357	.790	16465.	-1129.
253.300	-12369.	-9.275	5.773	.720	14953.	-211.
329.800	-11778.	-8.493	5.716	.660	14805.	-111.
395.752	-11778.	-7.716	5.716	.600	14805.	-111.
469.386	-11778.	-6.843	5.716	.532	14805.	-111.
469.837	-11778.	-6.843	5.716	.532	14805.	-111.
461.259	-11778.	-6.709	5.716	.521	14805.	-111.
481.260	-11778.	-6.709	5.716	.521	14805.	-111.
492.532	-11778.	-6.575	5.716	.511	14805.	-111.
492.533	-11778.	-6.575	5.716	.511	14805.	-111.
527.700	-11778.	-6.162	5.716	.479	14805.	-111.
577.273	-11773.	-5.578	5.716	.434	14805.	-111.
577.276	-11773.	-5.578	5.716	.434	14805.	-111.
589.600	-11778.	-4.508	5.716	.358	14805.	-111.
738.919	-11778.	-3.674	5.716	.286	14805.	-111.
738.920	-11778.	-3.674	5.716	.286	14805.	-111.
748.918	-11778.	-3.556	5.716	.277	14805.	-111.
748.919	-11778.	-3.556	5.716	.277	14805.	-111.
756.917	-11778.	-3.439	5.716	.263	14805.	-111.
756.918	-11778.	-3.439	5.716	.263	14805.	-111.
791.504	-11773.	-3.055	5.716	.233	14805.	-111.
857.500	-11773.	-2.277	5.716	.178	14805.	-111.
923.400	-10629.	-1.517	5.222	.119	13527.	-67.
939.400	-7865.	-.908	3.998	.073	10355.	15.
1055.300	-6434.	-.471	2.851	.039	7384.	53.
1121.300	-3314.	-.134	1.783	.015	4636.	55.
1154.300	-2271.	-.092	1.243	.008	3219.	47.
1167.256	-1314.	-.033	.730	.004	1896.	53.
1220.200	-442.	-.004	.249	.001	644.	13.
1253.200	0.	.000	.000	.000	0.	0.
1286.200	0.	.000	.000	.000	0.	0.
1319.175	0.	.000	.000	.000	0.	0.

PREPARED *
CHECKED **
APPROVED *
DATE *****11/05/03*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-170
MODEL ****C-5A
REPORT NO. *IG1US54-12-1
CASE IS *** F102J2

FUEL WT. 23002.5 LB. DENSITY 6.300 LB./GAL. ALTITUDE -12,000 DEG.
LOAD AXIS ORIGIN F.S. 1105.333 B.L. .000 A.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1105.333 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10473.0	1763.0	1306.5

STA.	MYTD0	MYTD0	MYTD0	MYTD0	SZPD	MXPD
.000	16.243	-7.527	.507	-1.500	-38040.	-35.174
120.361	14.125	-7.548	.240	-1.335	-38040.	-30.617
120.362	14.125	-7.548	.240	-1.335	-38040.	-30.617
197.900	12.809	-7.457	.111	-1.151	-35572.	-27.769
263.300	11.771	-7.269	.066	-.969	-32475.	-25.521
329.300	10.792	-7.255	.053	-.883	-32058.	-23.402
393.752	9.816	-7.255	.050	-.807	-32058.	-21.288
469.386	8.713	-7.256	.042	-.722	-32058.	-18.912
469.387	8.718	-7.256	.042	-.722	-32058.	-18.912
481.259	8.550	-7.256	.041	-.709	-32058.	-18.548
+31.260	8.550	-7.256	.041	-.709	-32058.	-18.548
492.632	8.382	-7.256	.040	-.696	-32058.	-18.133
492.633	8.382	-7.256	.040	-.696	-32058.	-18.133
527.700	7.863	-7.257	.035	-.655	-32058.	-17.059
577.275	7.129	-7.257	.030	-.599	-32058.	-15.471
577.276	7.129	-7.257	.030	-.599	-32058.	-15.470
639.000	5.910	-7.258	.021	-.504	-32058.	-12.832
733.919	4.736	-7.258	.012	-.413	-32058.	-10.290
733.920	4.736	-7.258	.012	-.413	-32058.	-10.290
743.918	4.588	-7.259	.011	-.402	-32058.	-9.970
743.919	4.537	-7.259	.011	-.402	-32058.	-9.970
753.917	4.439	-7.259	.010	-.390	-32058.	-9.649
753.918	4.439	-7.259	.010	-.390	-32058.	-9.649
791.504	3.957	-7.259	.007	-.353	-32058.	-8.605
857.500	2.930	-7.259	-.001	-.277	-32058.	-6.490
923.400	2.022	-6.709	-.007	-.184	-29352.	-4.415
989.400	1.235	-5.297	-.009	-.088	-22507.	-2.704
1055.300	.554	-3.839	-.007	-.025	-16074.	-1.433
1121.500	.261	-2.505	-.004	.003	-10101.	-.571
1154.500	.131	-1.756	-.002	.014	-7026.	-.235
1137.256	.047	-1.051	-.001	.013	-4127.	-.104
1220.200	.006	-.353	-.000	.006	-1407.	-.013
1253.200	.000	.000	.000	.000	0.	.000
1236.200	.000	.000	.000	.000	0.	.000
1319.175	.000	.000	.000	.000	0.	.000

PREPARED *
 CHECKED **
 APPROVED *
 DATE *****1/22/68*

UNIT INERTIA LOADS

PAGE NO. **3.2-77/
 MODEL *****C-5A
 REPORT NO. *IG1US54-12-1
 CASE ID *** FID202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. LBS.	0	0	0	0	0	10470	17680	13060

STA.	MYPD	AZPD	MXPS	MXPS100	MYPS100	AZPS100
.000	16.243	.245	3.243	-1.255	-2.735	-42.775
120.361	16.243	.245	2.620	-1.091	-2.380	-38.196
120.362	16.243	.245	2.620	-1.091	-2.380	-38.196
197.400	16.067	.162	2.263	-.988	-2.152	-35.235
263.800	15.715	.056	2.048	-.913	-1.982	-32.798
329.800	15.675	.046	1.876	-.837	-1.813	-30.663
395.752	15.675	.046	1.705	-.761	-1.654	-28.549
469.836	15.675	.046	1.512	-.676	-1.470	-26.173
469.837	15.675	.046	1.512	-.676	-1.470	-26.173
481.259	15.675	.046	1.482	-.663	-1.441	-25.808
481.260	15.675	.046	1.482	-.663	-1.441	-25.808
492.632	15.675	.046	1.453	-.650	-1.413	-25.443
492.633	15.675	.046	1.453	-.650	-1.413	-25.443
527.700	15.675	.046	1.362	-.610	-1.326	-24.319
577.275	15.675	.046	1.233	-.553	-1.203	-22.730
577.276	15.675	.046	1.233	-.553	-1.203	-22.730
659.900	15.675	.046	1.019	-.458	-.998	-20.091
738.919	15.675	.046	.813	-.367	-.800	-17.548
738.920	15.675	.046	.813	-.367	-.800	-17.548
748.918	15.675	.046	.787	-.356	-.770	-17.227
748.919	15.675	.046	.787	-.356	-.770	-17.227
753.917	15.675	.046	.761	-.344	-.741	-16.907
753.918	15.675	.046	.761	-.344	-.741	-16.907
791.504	15.675	.046	.676	-.307	-.670	-15.662
857.500	15.675	.046	.505	-.231	-.505	-13.747
923.400	14.512	.027	.337	-.157	-.344	-11.120
989.400	11.482	-.011	.206	-.098	-.216	-7.998
1055.360	8.447	-.029	.110	-.054	-.117	-5.320
1121.300	5.453	-.030	.044	-.022	-.048	-3.375
1154.300	3.847	-.026	.024	-.012	-.027	-2.053
1167.256	2.291	-.018	.011	-.005	-.012	-1.155
1220.200	.792	-.007	.003	-.001	-.003	-.376
1253.200	.000	.000	.000	.000	.000	.000
1286.200	.000	.000	.000	.000	.000	.000
1319.173	.000	.000	.000	.000	.000	.000

PREPARED *
 CHECKED **
 APPROVED *
 DATE *****11/02/68*

UNIT I INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-172
 MODEL *****RC-5A
 REPORT NO. *IG10554-12-1
 CASE ID. *** F102.2

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1176.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1176.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10011.1	.0	.0	.0	.0	.0	19472.0	1763.0	1306.5

STA.	HZPSIDS	MXOR	MYPR	MZPR
.000	.000	-35.248	7.601	27.647
120.361	2.118	-30.649	7.580	23.069
120.362	2.118	-30.649	7.580	23.069
197.900	3.258	-27.776	7.466	20.312
263.300	3.945	-25.528	7.277	18.252
329.800	4.863	-23.403	7.261	16.147
395.752	5.859	-21.234	7.261	14.033
469.836	6.956	-18.916	7.260	11.556
469.837	6.956	-18.916	7.260	11.556
481.259	7.125	-18.552	7.260	11.292
481.260	7.125	-18.552	7.260	11.291
492.632	7.293	-18.137	7.260	10.927
492.633	7.293	-18.137	7.260	10.927
527.700	7.812	-17.063	7.260	9.803
577.275	8.546	-15.473	7.259	8.213
577.276	8.546	-15.473	7.259	8.213
654.300	9.765	-12.833	7.259	5.574
738.919	10.939	-10.290	7.258	3.032
738.920	10.939	-10.290	7.258	3.032
748.918	11.087	-9.969	7.258	2.711
748.919	11.087	-9.969	7.258	2.711
758.917	11.235	-9.648	7.258	2.390
758.918	11.235	-9.648	7.258	2.390
791.504	11.713	-8.603	7.256	1.346
857.300	12.695	-6.437	7.257	-.770
923.400	12.490	-4.411	6.705	-2.294
989.700	10.245	-2.701	5.294	-2.593
1055.300	7.792	-1.431	3.887	-2.456
1121.300	5.192	-.570	2.503	-1.933
1154.300	3.716	-.287	1.765	-1.473
1167.255	2.244	-.104	1.051	-.947
1220.200	.786	-.013	.363	-.350
1253.200	.000	.000	.000	.000
1286.200	.000	.000	.000	.000
1319.173	.000	.000	.000	.000

PREPARED * * * * * UNIT I INERTIA LOADS PAGE NO. *3.2-173
 CHECKED ** * * * * MODEL *****0-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *****11/02/68* CASE ID *** FI0202

FUEL WT. 23502.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 10010.1 .0 .0 .0 .0 10470.1 1769.0 1300.5

STA.	SZMZ	MXMZ	MYMZ	MYMX	SZTOD	SXTOD
.000	-91937.	-50.843	23.846	5.632	61767.	-5515.
120.361	-84854.	-40.190	23.019	4.857	59621.	-4065.
120.362	-84854.	-40.190	23.019	4.857	59621.	-4065.
197.900	-74683.	-34.023	21.923	4.798	56783.	-2130.
263.300	-66478.	-29.370	20.802	4.074	53880.	-603.
329.800	-61817.	-25.129	19.724	3.769	51087.	209.
395.752	-58302.	-21.168	19.007	3.489	49229.	729.
469.386	-55653.	-16.932	18.195	3.187	47126.	1215.
469.387	-55653.	-16.932	18.195	3.187	47126.	1215.
481.259	-55170.	-16.282	18.070	3.141	46603.	1290.
481.260	-44256.	-16.314	17.123	2.166	44349.	120.
492.632	-43658.	-15.829	16.935	2.132	43663.	201.
492.633	-43658.	-15.829	16.935	2.132	43663.	201.
527.700	-41808.	-14.332	16.356	2.026	42364.	450.
577.275	-39757.	-12.308	15.744	1.887	40778.	723.
577.276	-39757.	-12.307	15.744	1.887	40778.	723.
659.560	-38588.	-9.172	14.631	1.666	37894.	1037.
738.919	-34061.	-6.372	13.714	1.463	35521.	1334.
738.920	-34061.	-6.372	13.714	1.463	35521.	1334.
748.918	-33743.	-6.019	13.599	1.443	35222.	1365.
748.919	-22795.	-6.057	11.132	.436	28633.	-472.
758.917	-22418.	-5.840	10.977	.421	28431.	-442.
758.918	-22418.	-5.840	10.977	.421	28431.	-442.
791.504	-21189.	-5.132	10.471	.372	27121.	-344.
857.536	-19536.	-3.783	9.813	.277	25416.	-234.
923.400	-16327.	-2.575	8.547	.199	22137.	-103.
989.400	-12581.	-1.608	6.595	.120	17083.	34.
1055.300	-9145.	-.397	4.957	.063	12840.	96.
1121.500	-5918.	-.401	3.369	.031	8571.	108.
1184.500	-4350.	-.263	2.480	.019	6423.	93.
1187.256	-2939.	-.113	1.736	.010	4497.	79.
1220.200	-1648.	-.059	.993	.004	2572.	50.
1253.200	-332.	-.010	.212	.001	550.	12.
1286.200	-162.	-.003	.107	.000	272.	7.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-174
 CHECKED ** * * * MODEL ****C-5A
 APPROVED * * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1054-12-
 DATE ***4/12/99/38* CASE ID *** F10202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10470.0	1766.0	1300.5

STA.	XTD	YTD	ZTD	MYTD	SZPD	MXPD
.000	44.953	-23.441	.636	-5.266	-131687.	-100.563
120.361	37.625	-23.087	.040	-4.526	-130487.	-84.569
120.362	37.625	-23.087	.040	-4.526	-130487.	-84.569
197.900	33.115	-22.584	-.193	-3.969	-126404.	-74.608
263.800	29.469	-22.063	-.289	-3.490	-121493.	-66.426
329.800	26.007	-21.208	-.305	-3.048	-117890.	-58.508
395.752	22.709	-20.659	-.271	-2.685	-115102.	-50.828
469.886	19.145	-20.037	-.199	-2.301	-111495.	-42.413
469.887	19.145	-20.037	-.199	-2.301	-111495.	-42.413
481.259	18.598	-19.940	-.183	-2.242	-110941.	-41.128
481.260	18.605	-19.486	-.191	-2.125	-97424.	-41.036
492.632	16.115	-19.315	-.187	-2.064	-96650.	-39.950
492.633	16.115	-19.315	-.187	-2.064	-96650.	-39.950
527.700	16.602	-18.789	-.175	-1.877	-94284.	-36.600
577.275	14.539	-18.277	-.147	-1.650	-91321.	-31.939
577.276	14.539	-18.277	-.147	-1.650	-91321.	-31.939
659.000	11.509	-17.187	-.072	-1.291	-86260.	-24.677
738.919	8.401	-16.274	.024	-.993	-81627.	-18.007
738.920	8.401	-16.274	.024	-.993	-81627.	-18.006
748.918	8.035	-16.159	.036	-.956	-81042.	-17.166
748.919	8.058	-14.409	.029	-.732	-59907.	-17.042
758.917	7.780	-14.237	.025	-.750	-59151.	-16.463
758.918	7.780	-14.237	.025	-.750	-59151.	-16.463
791.504	6.676	-13.676	.013	-.546	-56729.	-14.579
857.500	5.142	-12.930	-.007	-.475	-53411.	-10.940
923.480	3.567	-11.425	-.018	-.301	-46911.	-7.815
989.000	2.250	-9.066	-.020	-.145	-36404.	-4.669
1055.300	1.302	-7.027	-.015	-.043	-27318.	-2.769
1121.300	.599	-4.831	-.010	.015	-18227.	-1.268
1154.300	.354	-3.630	-.005	.028	-13640.	-.744
1187.256	.176	-2.632	-.003	.031	-9484.	-.365
1220.200	.063	-1.559	-.001	.024	-5310.	-.128
1253.200	.017	-.354	-.000	.007	-1104.	-.035
1286.200	.005	-.185	-.000	.004	-547.	-.011
1319.173	.000	.000	.000	.000	.0	.000

PREPARED *
CHECKED **
APPROVED *
DATE *****11/83/83*

UNIT INERTIA LOADS

*** WING (FULL INCLUDED) ***

PAGE NO. **3.2-175
MODEL *****C-5A
REPORT NO. * IG1US54-12-
CASE ID *** FI0202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
LOAD AXIS ORIGIN F.S. 1106.583 3.L. .000 3.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.583 3.L. .000 3.L. 265.000

TANK 1 2 3 4 5 6 7 8
WT. 10010.7 .0 .0 .0 .0 10472.1 1760.0 1306.5

STA.	MYPD	HZPD	MXPS	MXPS100	MYPS100	HZPS100
.000	44.953	1.139	11.226	-4.066	-10.590	-123.583
120.361	44.801	1.008	9.416	-3.517	-9.376	-106.892
120.362	44.801	1.008	9.416	-3.517	-9.376	-106.891
137.900	44.352	.779	8.413	-3.190	-8.511	-96.413
253.800	43.682	.561	7.711	-2.929	-8.000	-87.721
329.800	42.856	.362	7.102	-2.686	-7.407	-78.962
395.752	42.192	.235	6.566	-2.450	-6.837	-70.762
469.336	41.265	.107	6.019	-2.194	-6.218	-61.744
469.387	41.264	.107	6.019	-2.194	-6.213	-61.744
481.259	41.122	.037	5.935	-2.155	-6.123	-60.361
481.260	39.949	.199	4.725	-1.925	-4.916	-60.661
492.632	39.706	.173	4.643	-1.891	-4.836	-58.807
492.633	39.706	.173	4.643	-1.891	-4.836	-58.807
527.700	38.958	.092	4.413	-1.785	-4.589	-54.938
577.275	38.079	.010	4.112	-1.640	-4.258	-49.827
577.276	38.079	.010	4.112	-1.640	-4.253	-49.826
639.600	36.304	-.121	3.655	-1.412	-3.727	-41.445
738.919	34.625	-.211	3.270	-1.204	-3.246	-33.631
738.920	34.625	-.211	3.270	-1.204	-3.246	-33.631
748.915	34.413	-.223	3.221	-1.178	-3.186	-32.928
748.919	29.651	.203	1.272	-.579	-1.242	-31.434
753.917	29.344	.191	1.227	-.560	-1.211	-30.634
753.918	29.344	.191	1.227	-.560	-1.211	-30.633
791.507	25.343	.149	1.079	-.497	-1.067	-23.233
857.500	25.936	.102	.799	-.374	-.805	-23.352
923.400	24.009	.041	.543	-.250	-.561	-19.022
989.400	19.182	-.024	.342	-.169	-.362	-13.919
1055.300	14.662	-.055	.193	-.098	-.209	-9.792
1121.300	10.210	-.052	.089	-.047	-.099	-6.094
1134.300	7.768	-.057	.054	-.029	-.061	-4.422
1137.236	5.515	-.046	.029	-.015	-.032	-2.997
1220.200	3.201	-.030	.011	-.006	-.012	-1.687
1253.200	.706	-.008	.002	-.001	-.003	-.368
1286.200	.362	-.005	.001	-.001	-.001	-.195
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * * UNIT INERTIA LOADS * * * * *
 CHECKED ** * * * *
 APPROVED * * * * *
 DATE *****11/05/68* * * * *

PAGE NO. **3.2-176
 MODEL *****C-5A
 REPORT NO. *IG1US54-12-
 CASE ID *** F10202

FUEL WT. 23562.5 LB. DENSITY 6.510 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 H.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.1	.0	.0	.0	.0	.0	11473.0	1768.0	1306.5

SIA	WZPSIDS	MXGR	MYPR	WZPO
.000	.000	-99.643	22.720	76.923
120.361	7.176	-83.805	22.322	61.482
120.362	7.176	-83.804	22.322	61.482
197.900	11.237	-73.829	21.305	52.024
263.800	14.213	-65.656	21.295	44.364
329.800	16.849	-57.754	20.454	37.300
395.752	19.483	-50.093	19.934	30.159
469.396	22.120	-41.707	19.326	22.382
469.387	22.120	-41.707	19.326	22.382
481.269	22.524	-40.421	19.232	21.199
481.260	21.344	-40.576	19.025	21.550
492.632	21.591	-39.492	18.857	20.635
492.633	21.591	-39.492	18.857	20.635
527.700	22.355	-36.149	18.338	17.811
577.276	23.540	-31.549	17.837	13.712
577.276	23.540	-31.549	17.837	13.712
659.600	24.995	-24.256	16.766	7.490
733.919	26.223	-17.607	15.874	1.733
738.920	26.223	-17.607	15.874	1.733
748.918	26.378	-16.759	15.762	1.007
743.919	21.594	-17.024	14.392	2.532
738.917	21.564	-16.446	14.220	2.226
738.916	21.564	-16.446	14.220	2.226
791.504	21.466	-14.562	13.659	.903
857.500	21.794	-10.922	12.912	-1.990
926.400	20.441	-7.598	11.407	-3.910
989.400	18.902	-4.853	9.050	-4.197
1055.300	13.650	-2.755	7.023	-4.258
1121.300	9.611	-1.253	4.823	-3.564
1154.300	7.414	-.742	3.672	-2.936
1137.255	5.339	-.366	2.630	-2.265
1220.250	3.136	-.128	1.558	-1.430
1253.200	.689	-.034	.353	-.319
1236.200	.357	-.011	.184	-.174
1319.173	.000	.000	.000	.000

PREPARED * * * * * UNIT INERTIA LOADS PAGE NO. ** 3.2-177
 CHECKED ** * * * * * MODEL ***** C-5A
 APPROVED * * * * * *** WING (FUEL INCLUDED) *** REPORT NO. * LG1US54-12-
 DATE ***** 11/02/62 * * * * * SLEPT AXIS SYSTEM CASE ID *** F10202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10013.0	.0	.0	.0	.0	.0	13472.0	1768.0	1306.5

STA.	SKMX	SYNY	MXMX	MYNY	MZMX	MZNY
.000	-36411.	-23653.	-1.773	5.346	50.643	-13.953
120.361	-80352.	-26644.	-1.529	4.610	40.190	-10.444
120.362	-80352.	-26644.	-1.529	4.610	40.190	-10.444
197.900	-70868.	-23506.	-1.384	4.174	34.023	-8.909
263.800	-63100.	-20923.	-1.282	3.867	29.370	-7.765
329.300	-58676.	-19456.	-1.186	3.577	25.129	-6.248
395.752	-55814.	-18507.	-1.098	3.311	21.168	-4.902
469.886	-52825.	-17516.	-1.003	3.025	16.932	-3.476
469.887	-52825.	-17516.	-1.003	3.025	16.932	-3.477
481.259	-52366.	-17364.	-.989	2.991	16.282	-3.273
481.260	-42009.	-13930.	-.682	2.056	16.314	-5.252
492.632	-41440.	-13741.	-.671	2.024	15.829	-5.061
492.633	-41440.	-13741.	-.671	2.024	15.829	-5.061
527.700	-39683.	-13159.	-.638	1.923	14.302	-4.499
577.275	-37736.	-12513.	-.594	1.791	12.308	-3.815
577.276	-36513.	-18742.	-.747	1.733	12.307	-3.815
659.600	-38598.	-14487.	-.660	1.530	9.172	-2.354
738.919	-31278.	-13487.	-.581	1.348	6.372	-1.120
738.920	-31278.	-13486.	-.581	1.348	6.372	-1.120
748.916	-30935.	-13360.	-.571	1.325	6.019	-.977
748.919	-20933.	-.9026.	-.173	.401	6.067	-2.605
758.917	-20566.	-3876.	-.167	.337	5.640	-2.494
758.918	-20536.	-8276.	-.167	.387	5.840	-2.494
791.604	-19457.	-8390.	-.147	.342	5.122	-2.156
857.620	-18032.	-7775.	-.110	.255	3.783	-1.546
923.400	-16452.	-6663.	-.075	.174	2.575	-.937
939.400	-11553.	-4931.	-.047	.110	1.608	-.535
1035.300	-8397.	-3621.	-.027	.062	.597	-.329
1121.300	-5434.	-2343.	-.012	.023	.461	-.145
1154.300	-4004.	-1726.	-.008	.017	.233	-.087
1187.286	-2744.	-1183.	-.004	.009	.113	-.034
1220.200	-1514.	-653.	-.001	.003	.069	-.041
1253.200	-305.	-131.	-.000	.001	.010	-.016
1286.200	-149.	-64.	-.000	.000	.003	-.009
1319.173	0.	0.	-.000	.000	-.000	-.000

PREPARED * * UNIT I ERTIA LOADS PAGE NO. **3.2-178
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. **IG10554-12-
 DATE *****11/00/63* SHEET AXIS SYSTEM CASE ID *** FID202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12,000 FEET
 LOAD AXIS ORIGIN F.S. 1126.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1126.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.0	.0	.0	.0	.0	10472.0	1768.0	1300.5

STA.	5242	4X12	4Y42	52100	5Y100	5Z100
.000	-91037.	-52.652	-2.754	-5234.	-1736.	61707.
120.361	-84654.	-41.435	-2.736	-3253.	-1279.	59621.
120.362	-84654.	-41.435	-2.736	-3253.	-1279.	59621.
197.900	-74683.	-35.093	-2.252	-2021.	-670.	56733.
253.800	-66478.	-30.322	-1.873	-572.	-190.	53360.
329.800	-61317.	-25.818	-1.978	198.	66.	51087.
395.752	-56302.	-21.635	-2.009	692.	229.	49229.
469.360	-55653.	-17.156	-2.023	1154.	362.	47126.
469.367	-55653.	-17.156	-2.023	1154.	362.	47126.
481.259	-55170.	-16.485	-2.013	1224.	408.	46803.
481.260	-44253.	-17.138	-.150	114.	38.	44349.
492.632	-43653.	-16.617	-.179	190.	63.	43863.
492.633	-43658.	-16.617	-.179	190.	63.	43863.
527.700	-41308.	-16.020	-.240	427.	142.	42364.
577.275	-39757.	-12.833	-.253	636.	220.	40773.
577.276	-39757.	-12.832	-1.370	664.	256.	40773.
659.500	-36566.	-9.354	-1.470	909.	436.	37394.
738.319	-34061.	-6.294	-1.494	1225.	528.	35521.
738.320	-34061.	-6.294	-1.494	1225.	528.	35521.
748.916	-33743.	-5.914	-1.486	1254.	540.	35222.
748.919	-22795.	-3.594	-.006	-434.	-167.	28633.
755.717	-22413.	-3.350	-.022	-436.	-175.	28431.
758.916	-22413.	-3.350	-.022	-436.	-175.	28431.
791.504	-21189.	-5.536	-.052	-315.	-136.	27121.
857.500	-19030.	-4.037	-.075	-215.	-92.	25416.
923.400	-16327.	-2.755	-.114	-94.	-41.	22137.
989.400	-12561.	-1.708	-.099	31.	13.	17663.
1055.300	-9145.	-.954	-.053	33.	36.	12640.
1121.300	-5918.	-.426	-.025	99.	43.	8571.
1154.300	-4360.	-.242	-.013	90.	39.	6423.
1187.250	-2989.	-.125	.004	73.	31.	4497.
1220.200	-1648.	-.052	.023	46.	20.	2572.
1253.200	-332.	-.016	.010	11.	5.	550.
1286.200	-162.	-.006	.007	6.	3.	273.
1319.173	0.	-.000	.000	0.	0.	0.

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-77
 CHECKED ** * MODEL ****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *LG1US54-12-1
 DATE *****11/08/63* SWEPT AXIS SYSTEM CASE ID *** FID202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1116.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10110.0	.0	.0	.0	.0	10473.0	1763.0	1300.5

	STA.	MAXTOD	MYTOD	MZTOD	SXTOS	SYTOS	SZTOS
	.000	47.934	-1.732	.636	58628.	19440.	5513.
	120.361	40.192	-1.665	.040	56591.	18765.	4005.
	120.362	40.192	-1.665	.040	56591.	18765.	4005.
	197.900	35.423	-1.622	-.194	53897.	17872.	2130.
	263.800	31.589	-1.637	-.289	51142.	16958.	603.
	329.300	27.855	-1.374	-.305	48491.	16079.	-209.
	395.752	24.344	-1.263	-.271	46728.	15494.	-729.
	469.386	20.556	-1.164	-.199	44731.	14832.	-1215.
	469.337	20.556	-1.164	-.199	44731.	14832.	-1215.
	481.259	19.978	-1.138	-.188	44424.	14731.	-1290.
	481.260	20.049	-1.349	-.191	42095.	13958.	-120.
	492.632	19.319	-1.308	-.187	41634.	13805.	-201.
	492.633	19.318	-1.308	-.187	41634.	13805.	-201.
	527.700	17.390	-1.205	-.175	40211.	13334.	-450.
	577.275	15.701	-1.139	-.147	38706.	12634.	-723.
	577.276	15.743	.208	-.147	37445.	16146.	-723.
	659.500	12.155	.372	-.072	34797.	13004.	-1067.
	738.919	8.953	.443	.024	32618.	14064.	-1334.
	738.920	8.958	.443	.024	32618.	14064.	-1334.
	748.916	8.559	.442	.036	32343.	13945.	-1365.
	748.919	8.334	-.138	.029	26477.	11416.	472.
	758.917	8.522	-.115	.025	26107.	11257.	442.
	758.918	8.522	-.115	.025	26107.	11257.	442.
	791.534	7.515	-.063	.013	24905.	10732.	344.
	857.500	5.806	-.015	-.007	23339.	10063.	234.
	923.400	3.861	.055	-.013	20328.	8765.	133.
	939.400	2.452	.072	-.020	15637.	6764.	-34.
	1055.300	1.405	.030	-.016	11790.	5024.	-96.
	1121.300	.348	.009	-.010	7371.	3394.	-108.
	1154.300	.366	-.002	-.006	5898.	2543.	-93.
	1187.236	.201	-.022	-.003	4130.	1781.	-79.
	1220.200	.037	-.043	-.001	2362.	1012.	-50.
	1253.200	.027	-.019	-.000	505.	216.	-12.
	1286.200	.011	-.013	-.000	255.	110.	-7.
	1319.173	-.000	.000	.000	0.	0.	-0.

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-180
CHECKED **	*		MODEL *****C-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG1US54-12-1
DATE *****11/06/68*		SWEPT AXIS SYSTEM	PAGE 1 ***** F10202

FUEL WT. 23362.5 LB.	DENSITY 6.500 LB./GAL.	ALTITUDE -12.000 DEG.
LOAD AXIS ORIGIN	F.S. 1126.583 B.L.	.000 W.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1126.583 B.L.	.000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10310.3	.0	.0	.0	.0	.0	10479.0	1763.0	1308.5

STA.	WXTDS	MYTDS	MZTDS	SZPD	MXPD	MYPD
.000	2.073	-4.229	-44.953	-131687.	-104.909	-2.498
121.361	1.273	-3.710	-37.525	-130487.	-88.271	-2.491
121.362	1.273	-3.710	-37.525	-130487.	-88.271	-2.491
197.990	.944	-3.477	-33.115	-126404.	-77.604	-2.291
263.300	.787	-3.292	-29.469	-121493.	-69.300	-2.060
329.800	.684	-3.032	-26.007	-117890.	-60.934	-2.130
395.752	.643	-2.800	-22.709	-115102.	-52.835	-2.156
469.806	.637	-2.552	-19.145	-111495.	-43.970	-2.169
489.837	.637	-2.552	-19.145	-111495.	-43.970	-2.169
431.259	.637	-2.516	-18.598	-110941.	-42.615	-2.156
481.260	.497	-2.107	-13.605	-97424.	-43.300	.201
492.632	.489	-2.070	-13.115	-96650.	-42.143	.163
492.633	.489	-2.070	-13.115	-96650.	-42.143	.163
527.700	.464	-1.958	-10.602	-94264.	-38.567	.082
577.275	.448	-1.818	-14.539	-91321.	-33.724	.037
577.276	.604	-1.772	-14.539	-91321.	-33.612	-2.861
659.500	.539	-1.549	-11.309	-86263.	-25.574	-3.013
738.919	.610	-1.356	-8.401	-81627.	-18.294	-3.050
738.920	.610	-1.356	-8.401	-81627.	-18.294	-3.050
748.918	.613	-1.332	-8.035	-81042.	-17.385	-3.034
748.919	.267	-.545	-3.053	-59907.	-18.516	-.097
758.917	.254	-.525	-7.780	-59161.	-17.673	-.123
758.918	.254	-.525	-7.780	-59161.	-17.673	-.123
791.504	.214	-.484	-6.376	-56729.	-15.795	-.139
857.500	.143	-.349	-5.142	-53411.	-11.310	-.239
923.400	.085	-.241	-3.567	-46914.	-8.163	-.324
969.400	.045	-.136	-2.280	-36404.	-5.160	-.234
1055.300	.022	-.091	-1.302	-27318.	-2.949	-.136
1121.300	.008	-.043	-.599	-18227.	-1.347	-.074
1134.300	.005	-.028	-.354	-13640.	-.764	-.036
1187.256	.002	-.014	-.176	-9434.	-.406	.015
1220.200	.001	-.005	-.063	-5310.	-.191	.073
1253.200	-.000	-.001	-.017	-1104.	-.053	.035
1286.200	-.000	-.000	-.003	-547.	-.022	.024
1319.173	.000	.000	-.000	0.	-.000	.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-181
CHECKED **	*		MODEL *****0-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *IG10554-12-
DATE *****11/08/66*		GRAFT AXIS SYSTEM	PAGE I. *** F10202

FUEL WT. 23562.5 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE -12.000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.533 B.L.	.000 W.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.533 B.L.	.000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.1	.0	.0	.0	.0	19472.0	1768.0	1306.5	

SEA.	MZPD	SKPS	SYPS	SKPS	SYPS	SKPS	SYPS
.000	.000	-41447.	124995.	10.345	2.964	30.647	
120.361	.405	-41069.	123355.	9.063	2.579	25.418	
120.362	.405	-41069.	123355.	9.063	2.579	25.418	
197.900	.408	-39781.	119980.	8.114	2.261	22.326	
263.300	.443	-38239.	115319.	7.459	2.007	19.856	
329.300	.407	-37105.	111899.	6.869	1.849	17.157	
395.752	.410	-36227.	109252.	6.361	1.673	14.583	
469.886	.428	-35092.	105828.	5.848	1.483	11.780	
469.867	.428	-35092.	105828.	5.848	1.483	11.780	
431.259	.433	-34917.	105303.	5.770	1.457	11.366	
481.260	.231	-30663.	92473.	4.557	1.263	13.818	
492.632	.227	-30419.	91738.	4.484	1.247	13.419	
492.633	.227	-30419.	91738.	4.484	1.247	13.419	
527.700	.220	-29663.	89473.	4.258	1.181	12.223	
577.275	.227	-28742.	86630.	3.974	1.079	10.677	
577.276	.227	-36153.	33858.	3.865	1.420	10.076	
659.500	.244	-34155.	79213.	3.453	1.223	7.559	
738.919	.232	-32320.	74936.	3.114	1.036	4.443	
738.920	.232	-32320.	74936.	3.114	1.036	4.443	
748.918	.233	-32083.	74419.	3.072	1.011	4.098	
748.919	.027	-23720.	55011.	1.173	.479	7.242	
758.917	.023	-23424.	54326.	1.136	.464	6.959	
758.918	.023	-23424.	54326.	1.136	.464	6.959	
791.504	.014	-22462.	52093.	.997	.414	6.081	
857.500	.003	-21143.	49046.	.735	.313	4.457	
923.400	-.005	-18575.	43080.	.497	.220	2.931	
939.400	-.008	-14414.	33429.	.311	.143	1.790	
1055.500	-.006	-10917.	25036.	.175	.082	1.024	
1121.500	-.004	-7217.	16737.	.080	.039	.465	
1154.500	-.003	-5401.	12525.	.049	.024	.281	
1167.256	-.002	-3755.	8709.	.026	.013	.175	
1220.200	-.001	-2103.	4876.	.009	.005	.135	
1253.200	-.001	-437.	1014.	.002	.001	.053	
1296.200	-.000	-217.	503.	.001	.001	.031	
1319.173	.000	0.	-0.	.000	.000	.000	

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-182
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG10554-12-
 DATE *****11/08/68* SWEPT AXIS SYSTEM CASE ID *** F10202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1116.583 B.L. .000 n.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.533 B.L. .000 y.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10011.1	.0	.0	.0	.0	.0	16478.0	1703.0	1300.5

STA.	GAUSSIAN	SYNTHETIC	GAUSSIAN	SYNTHETIC	GAUSSIAN	SYNTHETIC	GAUSSIAN
.000	144435.	46681.	-.527	-11.332	-116.373	-14.306	
120.361	142620.	44927.	-.338	-10.006	-98.035	-12.207	
120.362	142620.	44927.	-.338	-10.006	-98.035	-12.207	
197.900	137352.	41305.	-.317	-9.173	-86.519	-10.739	
263.800	132277.	38811.	-.262	-8.516	-77.153	-9.612	
329.800	127973.	36906.	-.218	-7.376	-67.625	-8.851	
395.752	124747.	35535.	-.174	-7.261	-66.954	-8.126	
469.866	120061.	33938.	-.126	-6.592	-49.282	-7.364	
469.867	120061.	33938.	-.126	-6.592	-49.282	-7.364	
481.259	120034.	33693.	-.118	-6.490	-47.807	-7.232	
481.250	106431.	30549.	-.280	-5.272	-48.163	-4.787	
492.632	105544.	30229.	-.273	-5.135	-46.877	-4.696	
492.633	105543.	30229.	-.273	-5.135	-46.876	-4.696	
527.700	102307.	29241.	-.250	-4.917	-42.923	-4.379	
577.275	99315.	28056.	-.216	-4.558	-37.591	-3.861	
577.276	100004.	35495.	.131	-4.560	-37.591	-3.861	
639.500	94217.	33153.	.130	-3.331	-28.728	-3.930	
738.919	89020.	31075.	.179	-3.458	-20.747	-3.958	
738.920	89020.	31095.	.179	-3.458	-20.747	-3.958	
748.918	86365.	30835.	.179	-3.392	-19.762	-3.937	
748.919	86427.	24154.	-.040	-1.371	-20.543	-.315	
753.917	65583.	23831.	-.033	-1.325	-19.926	-.821	
753.918	65533.	23831.	-.038	-1.325	-19.926	-.821	
791.504	62332.	22773.	-.034	-1.176	-17.595	-.796	
857.500	59109.	21362.	-.024	-.398	-13.185	-.685	
923.400	51945.	18670.	-.017	-.513	-9.076	-.637	
989.400	46193.	14383.	-.012	-.400	-5.756	-.491	
1055.300	39169.	10728.	-.007	-.231	-3.293	-.278	
1121.300	29131.	7113.	-.004	-.109	-1.512	-.134	
1134.300	15068.	5311.	-.002	-.067	-.397	-.072	
1187.256	10490.	3683.	-.001	-.035	-.463	-.001	
1229.200	5895.	2057.	-.000	-.013	-.262	.072	
1233.200	1232.	426.	-.000	-.003	-.063	.036	
1266.200	613.	210.	-.000	-.001	-.027	.025	
1319.173	-0.	-0.	-.000	.000	.000	.000	

PREPARED * * * UNIT INERTIA LOADS PAGE NO. **3.2-183
 CHECKED ** * MODEL *****C-5A
 APPROVED * * * *** WING (FUEL EXCLUDED) *** REPORT NO. *IG10554-12-
 DATE *****11/03/68* SWEPT AXIS SYSTEM CASE ID *** F10202

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE -12.000 DEG.
 LOAD AXIS ORIGIN F.S. 1115.583 S.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.L. .000 W.L. 265.000

TANK 1 2 3 4 5 6 7 8
 WT. 10010.0 .0 .0 .0 .0 10479.0 1768.0 1306.5

STA.	MXGR	MYGR	MXPR	YPR	SKPR	SYPR
.000	-104.225	-2.272	-47.708	1.048	-105554.	-100075.
120.351	-87.545	-2.250	-39.951	.939	-105090.	-97660.
120.352	-87.545	-2.250	-39.951	.939	-105090.	-97660.
197.950	-77.104	-2.046	-35.181	.882	-102106.	-93681.
263.800	-68.571	-1.818	-31.348	.908	-98361.	-89380.
329.800	-60.219	-1.893	-27.518	.658	-95820.	-85596.
395.752	-52.137	-1.924	-24.112	.566	-93753.	-82955.
469.386	-43.296	-1.945	-20.332	.499	-90996.	-79322.
469.387	-43.295	-1.945	-20.332	.499	-90996.	-79322.
481.259	-41.944	-1.934	-19.755	.486	-90573.	-79342.
481.260	-42.863	.345	-19.904	.912	-78514.	-72758.
492.632	-41.708	.307	-19.374	.873	-77933.	-72053.
492.633	-41.708	.307	-19.374	.873	-77933.	-72053.
527.760	-38.159	.225	-17.748	.776	-76139.	-69880.
577.275	-33.305	.205	-15.553	.741	-73846.	-67443.
577.276	-33.193	-2.637	-15.563	-.512	-67712.	-73604.
659.500	-25.183	-2.847	-11.933	-.758	-64209.	-63953.
738.919	-17.927	-2.891	-8.300	-.810	-60891.	-64933.
738.920	-17.927	-2.891	-8.300	-.810	-60891.	-64933.
748.918	-17.121	-2.876	-8.402	-.806	-60473.	-64432.
748.919	-18.301	-.090	-8.927	.122	-43594.	-50196.
758.917	-17.353	-.121	-8.515	.099	-43069.	-49532.
758.918	-17.353	-.121	-8.515	.099	-43069.	-49532.
791.504	-15.779	-.132	-7.509	.047	-41355.	-47356.
857.500	-11.794	-.232	-5.599	-.702	-38982.	-44487.
923.400	-8.137	-.317	-3.854	-.071	-34315.	-38903.
939.400	-5.155	-.278	-2.446	-.787	-26665.	-30101.
1055.500	-2.944	-.154	-1.403	-.035	-20002.	-22607.
1121.500	-1.344	-.073	-.647	-.012	-13344.	-15063.
1154.500	-.793	-.035	-.385	.000	-9982.	-11299.
1137.256	-.405	.016	-.201	.020	-6923.	-7865.
1220.200	-.171	.074	-.087	.043	-3658.	-4464.
1253.200	-.052	.035	-.027	.019	-796.	-942.
1236.236	-.022	.024	-.011	.013	-393.	-472.
1319.173	.000	.000	-.000	.000	0.	0.

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. **3.2-184
CHECKED **	*		MODEL *****0-5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. **IG1US54-12-
DATE *****11/06/68*		SWEPT AXIS SYSTEM	CASE ID *** FI0212

FUEL WT. 23562.5 LB.	DENSITY 6.500 LB./GAL.	ALTITUDE -12.000 DEG.
LOAD AXIS ORIGIN	F.S. 1106.583 B.L.	.000 W.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1106.583 B.L.	.000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.0	.0	.0	.0	.0	10472.0	1768.0	1300.5

STA.	WXPQ	WYPQ	WZPQ
.000	-7.193	8.772	83.633
120.361	-6.289	7.792	70.339
120.362	-6.239	7.792	70.338
197.900	-5.736	7.170	61.919
263.800	-5.298	6.672	54.930
329.300	-4.861	6.185	48.437
395.752	-4.478	5.718	41.967
469.386	-4.039	5.211	34.844
469.387	-4.039	5.211	34.844
461.259	-3.972	5.134	33.742
481.260	-3.375	4.060	33.446
492.632	-3.317	3.995	32.565
492.633	-3.317	3.995	32.565
527.700	-3.138	3.794	29.826
577.275	-2.896	3.526	25.947
577.276	-3.192	3.261	25.947
659.500	-2.772	2.864	20.205
738.919	-2.391	2.504	14.867
738.920	-2.391	2.504	14.867
748.918	-2.343	2.459	14.182
748.919	-1.024	.912	13.417
758.917	-.990	.691	12.984
758.918	-.990	.881	12.984
791.504	-.679	.783	11.546
837.500	-.662	.592	8.707
923.400	-.461	.412	6.137
939.400	-.299	.266	3.965
1035.300	-.173	.163	2.241
1121.300	-.082	.072	1.018
1154.300	-.050	.044	.589
1187.256	-.027	.023	.267
1220.200	-.010	.009	.054
1253.200	-.002	.002	.006
1286.200	-.001	.001	-.006
1319.173	.000	-.000	.000

PREPARED * * * * * JET INERTIA LOADS PAGE NO. **3.2-185
 CHECKED * * * * * MODEL *****C-5A
 APPROVED * * * * * *** FUEL *** REPORT NO. **IG10554-12-
 DATE *****11/08/68* CASE IL *** F10203

FUEL WT. 23362.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.593 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.593 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.0	.0	.0	.0	.0	10478.0	1763.0	1306.5

STA.	SZM2	MYN2	MYN2	MYN2	SZTDL	SXTDD
.000	-23562.	-15.331	7.506	1.229	19441.	-2019.
120.361	-23562.	-12.715	7.506	1.009	19441.	-2019.
120.362	-23562.	-12.715	7.506	1.009	19441.	-2019.
197.900	-18089.	-11.095	7.035	.855	18222.	-1060.
263.300	-12421.	-10.035	6.367	.784	16492.	-53.
329.300	-11778.	-9.302	6.303	.725	16326.	53.
395.752	-11778.	-3.526	6.303	.665	16326.	53.
469.336	-11778.	-7.632	6.303	.597	16326.	53.
469.337	-11778.	-7.632	6.303	.597	16326.	53.
481.259	-11778.	-7.518	6.303	.586	16326.	53.
481.260	-11778.	-7.518	6.303	.586	16326.	53.
492.632	-11778.	-7.334	6.303	.576	16326.	53.
492.633	-11778.	-7.334	6.303	.576	16326.	53.
527.700	-11778.	-6.971	6.303	.544	16326.	53.
577.275	-11778.	-5.336	6.303	.492	16326.	53.
577.276	-11778.	-5.336	6.303	.492	16326.	53.
659.500	-11778.	-5.416	6.303	.423	16326.	53.
738.919	-11778.	-4.434	6.303	.351	16326.	53.
738.920	-11778.	-4.434	6.303	.351	16326.	53.
748.918	-11778.	-4.366	6.303	.342	16326.	53.
748.919	-11778.	-4.366	6.303	.342	16326.	53.
758.917	-11778.	-4.248	6.303	.333	16326.	53.
758.918	-11778.	-4.248	6.303	.333	16326.	53.
791.534	-11778.	-3.864	6.303	.303	16326.	53.
857.500	-11778.	-3.037	6.303	.243	16326.	53.
923.460	-11709.	-2.311	6.271	.182	16242.	59.
939.600	-10895.	-1.557	5.884	.113	15239.	67.
1055.300	-9113.	-.891	5.000	.060	12951.	77.
1121.300	-6376.	-.373	3.537	.017	9238.	74.
1154.300	-4593.	-.192	2.603	.006	6742.	67.
1137.255	-2744.	-.070	1.575	.000	4079.	49.
1220.200	-942.	-.009	.550	-.001	1426.	20.
1253.200	0.	.000	.000	.000	0.	0.
1286.200	0.	.000	.000	.000	0.	0.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED * * UNIT INERTIA LOADS

PAGE NO. **3.2-186

CHECKED ** *

MODEL ****Q-5A

APPROVED * *

*** FUEL ***

REPORT NO. *IG1US54-12-

DATE *****11/02/66*

CASE ID *** FI0203

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.

LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 N.L. 350.250

ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 N.L. 265.000

TANK 1 2 3 4 5 6 7 8

WT. 10010.1 .0 .0 .0 .0 10473.0 1763.0 1306.5

STA. MYTDD MYTDD MYTDD MYTDD SZPD MXPW

.000 18.988 -9.128 .345 -1.657 -40275. -39.886

120.361 16.646 -9.147 .102 -1.476 -40275. -34.857

120.362 16.648 -9.147 .102 -1.476 -40275. -34.857

197.900 15.189 -9.036 -.018 -1.274 -38010. -31.826

263.800 14.043 -8.817 -.056 -1.068 -34608. -29.425

329.800 12.964 -8.800 -.053 -.974 -34155. -27.166

395.752 11.887 -8.800 -.050 -.890 -34155. -24.914

469.886 10.677 -8.799 -.045 -.796 -34155. -22.381

469.887 10.677 -8.799 -.045 -.796 -34155. -22.381

481.259 10.491 -8.799 -.045 -.782 -34155. -21.993

481.260 10.491 -8.799 -.045 -.782 -34155. -21.993

492.632 10.305 -8.799 -.044 -.768 -34155. -21.604

492.633 10.305 -8.799 -.044 -.768 -34155. -21.604

527.700 9.733 -8.799 -.042 -.723 -34155. -20.406

577.275 8.923 -8.799 -.039 -.660 -34155. -18.713

577.276 8.923 -8.799 -.039 -.660 -34155. -18.713

659.000 7.579 -8.798 -.034 -.556 -34155. -15.901

738.319 6.284 -8.798 -.030 -.456 -34155. -13.191

738.320 6.284 -8.798 -.030 -.456 -34155. -13.191

748.918 6.121 -8.798 -.029 -.443 -34155. -12.850

748.919 6.121 -8.798 -.029 -.443 -34155. -12.850

758.917 5.958 -8.798 -.029 -.430 -34155. -12.508

758.918 5.958 -8.798 -.029 -.430 -34155. -12.508

791.504 5.426 -8.798 -.027 -.389 -34155. -11.395

857.500 4.346 -8.798 -.023 -.305 -34155. -9.141

923.400 3.273 -8.757 -.019 -.221 -33990. -6.691

939.400 2.225 -8.278 -.015 -.129 -31955. -4.694

1055.300 1.287 -7.135 -.010 -.043 -27230. -2.722

1121.300 .543 -5.136 -.006 .016 -19484. -1.150

1154.300 .234 -3.332 -.003 .029 -14225. -.501

1187.256 .105 -2.347 -.001 .028 -8619. -.222

1220.200 .013 -.829 -.000 .013 -3020. -.023

1253.200 .000 .000 .000 .000 0. .000

1236.200 .000 .000 .000 .000 0. .000

1319.173 .000 .000 .000 .000 0. .000

PREPARED *
 CHECKED **
 APPROVED *
 DATE *****11/08/68*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-187
 MODEL *****C-5A
 REPORT NO. *IG10S54-12-
 CASE ID *** FI0203

FUEL WT. 23552.5 LB. DENSITY 6.500 LB./GAL. ATTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 S.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 S.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.0	.0	.0	.0	.0	10479.0	1758.0	1306.5

STA.	MYPD	MZPD	MXPS	MXPS100	MYPS100	MZPS100
.000	18.985	.131	3.434	-1.476	-3.009	-48.868
120.351	18.988	.131	2.814	-1.295	-2.713	-44.020
120.352	18.988	.131	2.814	-1.295	-2.713	-44.020
137.900	18.796	.098	2.447	-1.176	-2.465	-40.853
263.800	18.393	-.023	2.228	-1.091	-2.264	-38.232
329.300	18.348	-.034	2.057	-1.008	-2.110	-35.957
395.752	18.348	-.034	1.886	-.925	-1.935	-33.704
469.380	18.348	-.034	1.693	-.831	-1.739	-31.172
469.387	18.348	-.034	1.693	-.831	-1.739	-31.172
481.259	18.348	-.034	1.664	-.816	-1.708	-30.784
481.260	18.348	-.034	1.664	-.816	-1.708	-30.784
492.632	18.348	-.034	1.634	-.802	-1.673	-30.396
492.633	18.348	-.034	1.634	-.802	-1.673	-30.396
527.700	18.348	-.034	1.543	-.757	-1.585	-29.198
577.275	18.348	-.034	1.415	-.695	-1.464	-27.505
577.276	18.348	-.034	1.415	-.695	-1.464	-27.505
639.300	18.348	-.034	1.201	-.590	-1.236	-24.693
736.919	18.343	-.034	.996	-.490	-1.026	-21.984
738.920	18.348	-.034	.996	-.490	-1.026	-21.984
743.918	18.343	-.034	.970	-.477	-.999	-21.642
743.919	18.343	-.034	.970	-.477	-.999	-21.642
753.917	18.343	-.034	.944	-.464	-.973	-21.301
753.918	18.348	-.034	.944	-.464	-.973	-21.301
791.504	18.343	-.034	.859	-.423	-.886	-20.188
857.500	18.348	-.034	.688	-.340	-.711	-17.934
923.400	18.271	-.035	.516	-.255	-.535	-15.644
989.400	17.302	-.039	.338	-.168	-.353	-12.968
1055.300	14.955	-.043	.172	-.087	-.183	-9.855
1121.300	10.907	-.042	.049	-.026	-.054	-6.345
1134.300	8.066	-.038	.016	-.009	-.019	-4.432
1137.256	4.947	-.028	-.001	-.000	-.001	-2.568
1220.200	1.753	-.012	-.004	.002	.003	-.858
1253.200	.000	.000	.000	.000	.000	.000
1256.200	.000	.000	.000	.000	.000	.000
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * *
CHECKED ** *
APPROVED * *
DATE *****11/22/53*

UNIT INERTIA LOADS

*** FUEL ***

PAGE NO. **3.2-188
MODEL *****C-5A
REPORT NO.*IG10854-12-
CASE ID *** F10203

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10478.0	1768.0	1300.5

GFA.	MZPSIDS	AXQR	MYPR	MZPD
.000	.000	-39.740	9.182	30.558
120.351	2.340	-34.873	9.163	25.710
120.352	2.340	-34.873	9.163	25.710
197.910	3.606	-31.815	9.027	22.793
263.300	4.351	-29.415	8.807	20.608
329.310	5.384	-27.157	8.791	19.367
395.752	6.461	-24.905	8.791	16.114
469.336	7.671	-22.373	8.791	13.582
469.337	7.671	-22.373	8.791	13.582
481.259	7.857	-21.935	8.791	13.194
481.250	7.857	-21.935	8.791	13.194
492.632	8.043	-21.596	8.791	12.905
492.633	8.043	-21.596	8.791	12.905
527.700	8.615	-20.399	8.791	11.607
577.275	9.425	-18.706	8.792	9.914
577.276	9.425	-18.706	8.792	9.914
659.000	10.769	-15.894	8.792	7.102
738.919	12.064	-13.136	8.792	4.393
738.920	12.064	-13.136	8.792	4.393
748.918	12.227	-12.814	8.792	4.052
748.919	12.227	-12.814	8.792	4.052
758.917	12.390	-12.503	8.792	3.710
758.918	12.390	-12.503	8.792	3.710
791.304	12.922	-11.390	8.793	2.597
857.500	14.000	-9.136	8.793	.343
923.400	14.997	-6.937	8.753	-1.366
989.400	15.073	-4.690	8.274	-3.584
1055.300	13.668	-2.719	7.132	-4.413
1121.300	10.358	-1.159	5.184	-4.026
1164.300	7.782	-.600	3.331	-3.231
1187.250	4.842	-.221	2.346	-2.125
1220.250	1.740	-.023	.829	-.301
1253.200	.000	.000	.000	.000
1286.200	.000	.000	.000	.000
1319.173	.000	.000	.000	.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-189
 CHECKED ** * MODEL ****FC-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG10554-12-1
 DATE *****11/08/63* CASE ID *** F102J3

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1116.583 B.L. .000 A.L. 285.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.1	.0	.0	.0	.0	10472.0	1763.0	1306.5

STA.	SZMZ	MXMZ	MYMZ	MYMX	SZTOL	SXTOL
.000	-91037.	-51.707	24.558	5.710	63608.	-5312.
120.351	-84654.	-41.054	23.730	4.935	61462.	-3862.
120.362	-84654.	-41.054	23.730	4.935	61462.	-3862.
197.900	-75229.	-34.854	22.602	4.462	58540.	-2061.
263.800	-66530.	-30.130	21.396	4.138	55419.	-444.
329.800	-61817.	-25.938	20.312	3.934	52609.	377.
395.752	-56802.	-21.978	19.594	3.554	50751.	393.
469.836	-53653.	-17.742	18.782	3.252	48647.	1384.
469.887	-55653.	-17.742	18.782	3.252	48647.	1384.
481.259	-55170.	-17.092	18.637	3.206	48324.	1453.
481.260	-44258.	-17.124	17.710	2.231	45871.	288.
492.632	-43659.	-16.639	17.523	2.197	45386.	369.
492.633	-43658.	-16.639	17.523	2.197	45386.	369.
527.700	-41808.	-15.142	16.944	2.091	43886.	613.
577.275	-39737.	-13.117	16.331	1.952	42300.	891.
577.276	-39737.	-13.117	16.331	1.952	42299.	891.
659.500	-36538.	-9.931	15.218	1.731	39416.	1255.
733.919	-34061.	-7.131	14.302	1.533	37043.	1502.
733.920	-34061.	-7.131	14.302	1.533	37042.	1502.
743.918	-33743.	-6.828	14.186	1.508	36744.	1533.
743.919	-22795.	-6.867	11.719	.501	30354.	-304.
753.917	-22413.	-6.650	11.564	.486	29953.	-274.
753.918	-22413.	-6.650	11.564	.486	29953.	-274.
791.504	-21189.	-5.941	11.059	.437	28643.	-176.
857.500	-19636.	-4.593	10.400	.342	26938.	-65.
923.400	-17906.	-3.369	9.595	.252	24852.	23.
989.400	-15611.	-2.257	8.481	.165	21967.	66.
1055.300	-12828.	-1.317	7.107	.089	18407.	120.
1121.300	-8930.	-.591	5.088	.033	13179.	127.
1154.300	-6043.	-.333	3.840	.016	9946.	117.
1137.256	-4413.	-.151	2.581	.006	6686.	95.
1220.200	-2155.	-.044	1.295	.002	3352.	57.
1253.200	-332.	-.010	.212	.001	550.	12.
1236.200	-162.	-.003	.107	.000	278.	7.
1319.173	0.	.000	.000	.000	0.	0.

PREPARED *
 CHECKED **
 APPROVED *
 DATE *****11/08/68*

UNIT INERTIA LOADS

*** WING (FUEL INCLUDED) ***

PAGE NO. **3.2-190
 MODEL *****C-5A
 REPORT NO. *IG10554-12-
 CASE ID *** F10203

FUEL WT. 23362.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10011.0	.0	.0	.0	.0	.0	10470.0	1768.0	1306.5

STA.	MYT00	MYT00	MZT00	MYT05	SZPD	MXPD
.000	47.698	-25.042	.474	-5.423	-133925.	-104.875
120.381	40.149	-24.686	-.098	-4.666	-132725.	-88.809
120.382	40.149	-24.636	-.098	-4.666	-132725.	-88.809
197.900	35.495	-24.165	-.327	-4.092	-128836.	-78.665
253.800	31.741	-23.611	-.411	-3.590	-123626.	-70.330
329.300	28.179	-22.753	-.416	-3.139	-119987.	-62.273
395.752	24.780	-22.213	-.371	-2.768	-117199.	-54.453
469.836	21.103	-21.530	-.286	-2.375	-113592.	-45.887
469.837	21.103	-21.530	-.286	-2.375	-113592.	-45.887
481.259	20.539	-21.483	-.273	-2.315	-113038.	-44.573
481.260	20.546	-21.029	-.277	-2.197	-99521.	-44.481
492.632	20.038	-20.858	-.271	-2.135	-98747.	-43.371
492.633	20.038	-20.858	-.271	-2.135	-98747.	-43.371
527.700	18.472	-20.332	-.253	-1.944	-96361.	-39.947
577.275	15.333	-19.819	-.216	-1.711	-93419.	-35.232
577.276	15.333	-19.819	-.216	-1.711	-93419.	-35.231
659.600	12.978	-18.727	-.127	-1.343	-88360.	-27.745
738.919	9.950	-17.813	-.019	-1.036	-83724.	-20.908
738.920	9.950	-17.813	-.019	-1.036	-83724.	-20.908
748.916	9.568	-17.698	-.005	-.997	-83140.	-20.046
748.919	9.591	-15.949	-.011	-.924	-62004.	-19.922
758.917	9.299	-15.777	-.013	-.791	-61258.	-19.322
758.918	9.299	-15.777	-.013	-.791	-61258.	-19.322
791.504	6.345	-15.215	-.020	-.683	-58825.	-17.359
857.500	6.510	-14.468	-.029	-.504	-55508.	-13.591
923.400	4.319	-13.474	-.029	-.338	-51552.	-10.092
989.400	3.269	-12.047	-.026	-.186	-45652.	-6.859
1055.300	1.935	-10.273	-.019	-.062	-38474.	-4.059
1121.300	.386	-7.512	-.011	.023	-27610.	-1.855
1154.300	.506	-5.746	-.007	.043	-20842.	-1.057
1167.256	.233	-3.927	-.004	.046	-13977.	-.434
1220.200	.070	-2.025	-.001	.032	-6923.	-.144
1253.200	.017	-.354	-.000	.007	-1104.	-.035
1286.200	.005	-.185	-.000	.004	-547.	-.011
1319.173	.000	.000	.000	.000	0.	.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-191
 CHECKED ** * MODEL *****C-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-1
 DATE *****1/06/68* CASE ID *** F10253

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10478.0	1723.0	1305.5

STA.	WYPO	WZPO	MXPS	MXPS100	WYPS100	WZPS100
.000	47.693	1.135	11.417	-4.287	-10.943	-129.176
120.361	47.546	.944	9.610	-3.721	-9.793	-112.715
120.362	47.546	.944	9.610	-3.721	-9.793	-112.715
197.000	47.081	.714	8.597	-3.377	-8.924	-102.032
263.300	46.360	.482	7.391	-3.103	-8.302	-93.155
329.500	45.629	.282	7.283	-2.957	-7.698	-84.255
395.752	44.865	.155	6.747	-2.613	-7.118	-75.916
469.886	43.938	.027	6.201	-2.348	-6.487	-66.744
469.887	43.938	.027	6.201	-2.348	-6.487	-66.744
481.259	43.795	.007	6.117	-2.303	-6.390	-65.337
481.260	42.622	.119	4.906	-2.078	-5.183	-65.037
492.632	42.379	.093	4.330	-2.043	-5.101	-63.759
492.633	42.379	.093	4.330	-2.043	-5.101	-63.759
527.700	41.631	.012	4.595	-1.932	-4.843	-59.817
577.275	40.752	-.070	4.294	-1.791	-4.510	-54.601
577.276	40.752	-.070	4.294	-1.791	-4.510	-54.601
659.660	38.977	-.201	3.433	-1.543	-3.965	-46.045
738.019	37.298	-.291	3.453	-1.327	-3.471	-38.317
738.920	37.298	-.291	3.453	-1.327	-3.471	-38.318
748.918	37.036	-.303	3.404	-1.300	-3.409	-37.342
748.919	32.324	.123	1.455	-.700	-1.465	-35.649
758.917	32.017	.111	1.410	-.680	-1.423	-35.077
758.918	32.017	.111	1.410	-.680	-1.423	-35.077
791.504	31.016	.069	1.263	-.613	-1.283	-32.564
857.500	29.609	.022	.933	-.482	-1.011	-28.039
923.400	27.767	-.021	.722	-.359	-.752	-23.547
989.400	25.003	-.052	.473	-.239	-.469	-18.689
1055.300	21.360	-.069	.256	-.131	-.275	-14.326
1121.300	15.664	-.074	.094	-.050	-.105	-9.364
1154.300	11.986	-.068	.046	-.025	-.053	-6.801
1187.266	3.171	-.056	.017	-.010	-.021	-4.410
1220.200	4.162	-.034	.004	-.003	-.006	-2.168
1253.200	.706	-.008	.002	-.001	-.003	-.388
1286.200	.362	-.005	.001	-.001	-.001	-.195
1319.173	.000	.000	.000	.000	.000	.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. **3.2-192
 CHECKED ** * MODEL *****0-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. *IG1US54-12-
 DATE *****11/04/63* CASE ID *** F10203

FUEL WT. 23562.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 A.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10472.0	1763.0	1306.5

STA.	MZPSIDS	MXQR	MYPR	MZPR
.000	.000	-104.135	24.302	79.833
120.361	7.393	-38.029	23.906	64.123
120.362	7.393	-38.029	23.906	64.123
137.900	11.585	-77.866	23.367	54.500
263.800	14.619	-69.545	22.825	46.720
329.800	17.350	-61.503	21.983	39.520
395.752	20.085	-53.705	21.464	32.240
469.886	22.835	-45.164	20.857	24.308
469.887	22.835	-45.164	20.857	24.308
481.259	23.257	-43.854	20.763	23.091
481.260	22.076	-44.009	20.556	23.453
492.632	22.341	-42.901	20.388	22.513
492.633	22.341	-42.901	20.388	22.513
527.700	23.159	-39.485	19.869	19.615
577.275	24.416	-34.732	19.370	15.412
577.276	24.416	-34.732	19.370	15.412
659.600	25.999	-27.318	13.300	9.013
738.919	27.348	-20.503	17.409	3.094
738.920	27.348	-20.503	17.409	3.094
748.918	27.513	-19.644	17.296	2.348
748.919	22.733	-19.900	15.927	3.973
758.917	22.718	-19.301	15.755	3.546
758.918	22.713	-19.301	15.755	3.546
791.604	22.671	-17.348	15.194	2.154
857.500	23.099	-13.571	14.443	-.977
923.400	22.949	-10.073	13.455	-3.382
989.400	21.734	-6.842	12.030	-5.188
1055.300	19.425	-4.053	10.263	-6.215
1121.300	14.777	-1.852	7.509	-5.657
1134.300	11.480	-1.054	5.744	-4.689
1167.256	7.938	-.433	3.926	-3.443
1220.200	4.092	-.143	2.024	-1.881
1253.200	.689	-.034	.353	-.319
1286.200	.357	-.011	.134	-.174
1319.173	.000	.000	.000	.000

PREPARED *	*	UNIT INERTIA LOADS	PAGE NO. *3.2-193
CHECKED **	*		MODEL *****5A
APPROVED *	*	*** WING (FUEL INCLUDED) ***	REPORT NO. *LG10554-12-1
DATE *****11/09/88*		SWEPT AXIS SYSTEM	CASE ID *** F10203

FUEL WT. 23562.5 LB.	DENSITY 6.500 LB./GAL.	ATTITUDE .000 DEG.
LOAD AXIS ORIGIN	F.S. 1126.583 B.L. .000	A.L. 350.250
ROTATIONAL AXIS ORIGIN	F.S. 1126.583 B.L. .000	W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT. 10010.0	.0	.0	.0	.0	.0	10473.0	1763.0	1300.5

STA.	SXNX	SYNX	MXNX	MYNX	MZLX	MZNY
.000	-86411.	-28653.	-1.797	5.420	51.707	-14.668
120.361	-80352.	-26644.	-1.553	4.634	41.054	-11.155
120.362	-80352.	-26644.	-1.553	4.684	41.054	-11.155
197.900	-71406.	-23673.	-1.404	4.236	34.854	-9.493
263.800	-63149.	-20940.	-1.302	3.928	30.180	-8.349
329.800	-58676.	-19456.	-1.207	3.639	25.938	-6.836
395.752	-55814.	-18507.	-1.118	3.373	21.973	-5.490
469.866	-52825.	-17516.	-1.024	3.087	17.742	-4.065
469.887	-52825.	-17516.	-1.024	3.087	17.742	-4.065
481.259	-52366.	-17364.	-1.009	3.043	17.092	-3.860
481.260	-42009.	-13930.	-.702	2.118	17.124	-5.839
492.632	-41440.	-13741.	-.691	2.085	16.639	-5.648
492.633	-41440.	-13741.	-.691	2.085	16.639	-5.648
527.700	-39683.	-13159.	-.658	1.985	15.142	-5.037
577.275	-37736.	-12513.	-.615	1.853	13.117	-4.402
577.276	-36508.	-15742.	-.773	1.793	13.117	-4.402
659.600	-35598.	-14487.	-.665	1.589	9.981	-2.941
738.919	-31278.	-13487.	-.607	1.407	7.181	-1.707
738.920	-31278.	-13487.	-.607	1.407	7.181	-1.707
748.918	-30985.	-13360.	-.597	1.394	6.828	-1.664
748.919	-29933.	-9025.	-.193	.460	6.867	-3.193
758.917	-20566.	-8876.	-.192	.446	6.650	-3.082
758.918	-20536.	-8876.	-.192	.446	6.650	-3.082
791.304	-19457.	-8390.	-.173	.401	5.941	-2.744
857.500	-18032.	-7775.	-.135	.314	4.593	-2.136
923.400	-16443.	-7090.	-.100	.232	3.369	-1.550
959.400	-14335.	-6181.	-.065	.152	2.257	-1.023
1055.300	-11780.	-5079.	-.035	.082	1.317	-.614
1121.300	-8246.	-3555.	-.013	.031	.591	-.287
1154.300	-6137.	-2646.	-.007	.015	.383	-.172
1157.256	-4057.	-1749.	-.003	.006	.161	-.094
1220.200	-1979.	-853.	-.001	.002	.044	-.051
1253.200	-305.	-131.	-.000	.001	.010	-.016
1266.200	-149.	-64.	-.000	.000	.003	-.009
1319.175	0.	0.	-.000	.000	-.000	-.000

PREPARED * * UNIT INERTIA LOADS PAGE NO. *B.2-194
 CHECKED ** * MODEL *****0-5A
 APPROVED * * *** WING (FUEL INCLUDED) *** REPORT NO. HG1054-12-1
 DATE *****11/18/53* SHEET AXIS SYSTEM CASE ID *** F10203

FUEL WT. 23582.5 LB. DENSITY 6.500 LB./GAL. ALTITUDE .000 DEG.
 LOAD AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 350.250
 ROTATIONAL AXIS ORIGIN F.S. 1106.583 B.L. .000 W.L. 265.000

TANK	1	2	3	4	5	6	7	8
WT.	10010.1	.0	.0	.0	.0	10478.0	1768.0	1306.5

STA.	S2NZ	MXNZ	MYNZ	SXTDD	SYTDD	SZTDD
.000	-91037.	-53.696	-2.351	-5042.	-1572.	63503.
120.361	-84554.	-42.479	-2.334	-3666.	-1216.	61462.
120.362	-84554.	-42.479	-2.334	-3666.	-1216.	61462.
197.900	-75229.	-36.070	-1.960	-1956.	-649.	58540.
263.800	-66530.	-31.274	-1.574	-422.	-140.	55419.
329.300	-61817.	-26.772	-1.675	358.	119.	52609.
395.752	-58802.	-22.509	-1.706	852.	282.	50751.
469.386	-55653.	-18.119	-1.726	1313.	435.	48647.
469.387	-55653.	-18.119	-1.726	1313.	436.	48647.
481.259	-55170.	-17.438	-1.716	1394.	459.	48324.
481.260	-44258.	-18.092	.153	274.	91.	45871.
492.632	-43658.	-17.571	.124	350.	116.	45385.
492.633	-43658.	-17.571	.124	350.	116.	45385.
527.700	-41308.	-15.973	.062	537.	195.	43386.
577.275	-39757.	-13.336	.050	845.	291.	42300.
577.276	-39757.	-13.736	-1.131	810.	353.	42299.
659.000	-36568.	-10.330	-1.251	1152.	497.	39416.
733.919	-34061.	-7.271	-1.275	1380.	595.	37043.
738.924	-34061.	-7.271	-1.275	1380.	595.	37042.
748.918	-33743.	-6.890	-1.267	1408.	607.	36743.
748.919	-22795.	-7.570	.213	-279.	-120.	30354.
758.917	-22418.	-7.326	.197	-251.	-108.	29953.
758.918	-22418.	-7.326	.197	-251.	-108.	29953.
791.304	-21189.	-6.542	.167	-161.	-70.	28643.
857.500	-19636.	-5.053	.143	-60.	-26.	26933.
923.400	-17906.	-3.707	.089	21.	9.	24352.
969.400	-15511.	-2.476	.046	79.	34.	21967.
1055.300	-12828.	-1.452	.042	110.	47.	18407.
1121.300	-8980.	-.656	.030	117.	50.	13179.
1154.300	-6683.	-.374	.026	108.	47.	9946.
1167.256	-4418.	-.175	.026	38.	36.	6686.
1220.200	-2155.	-.060	.029	53.	23.	3353.
1253.200	-332.	-.016	.010	11.	5.	550.
1266.260	-162.	-.006	.007	6.	3.	273.
1319.173	0.	-.000	.000	0.	0.	0.