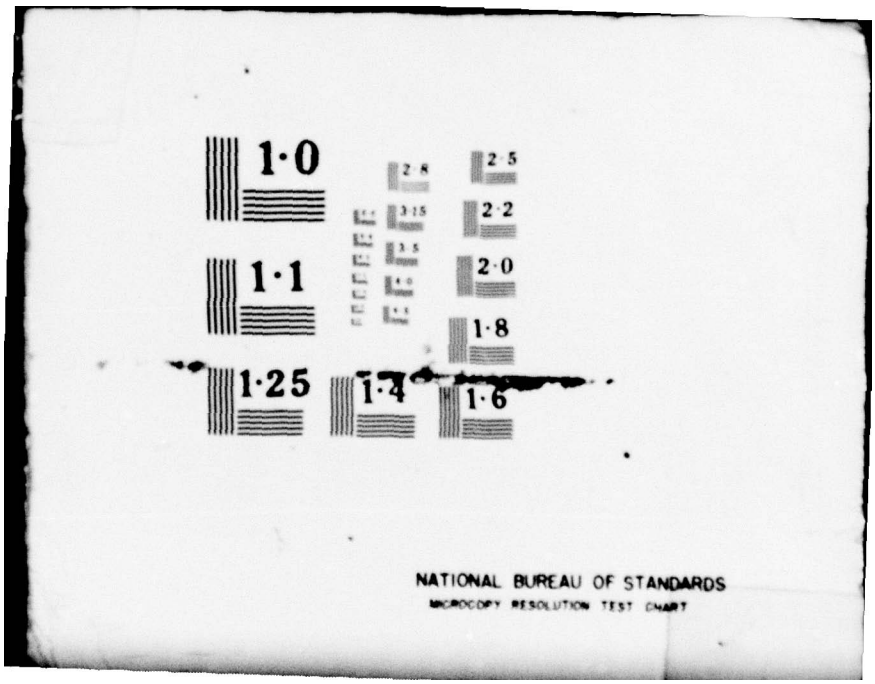
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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)
1978 R AIELLO, J BENDO N00019-75-C-0396
UNCLASSIFIED D210-11168-3-VOL-10 NL

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NUMBER D210-11168-3-Volume 10 of 13

TITLE CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA, TABULATED AFT ROTOR

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VOL-10

(6) TITLE CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA, TABULATED AFT ROTOR BLADE ANGLES AND LOADS, Volume X.

ORIGINAL RELEASE DATE _____. FOR THE RELEASE DATE OF SUBSEQUENT REVISIONS, SEE THE REVISION SHEET. FOR LIMITATIONS IMPOSED ON THE DISTRIBUTION AND USE OF INFORMATION CONTAINED IN THIS DOCUMENT, SEE THE LIMITATIONS SHEET.

MODEL CH-46 CONTRACT N00019-75-C-0396

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J. Bendo

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R.Aiello/J.Bendo

APPROVED BY K. Lunn DATE 2-5-79
K. Lunn

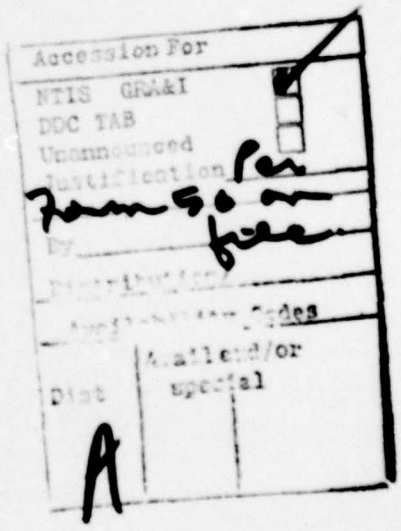
APPROVED BY L.Marchinski/D.Hardy DATE 2-6-79
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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL

ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
1				31				61			
2				32				62			
3				33				63			
4				34				64			
5				35				65			
6				36				66			
7				37				67			
8				38				68			
9				39				69			
10				40				70			
11				41				71			
12				42				72			
13				43				73			
14				44				74			
15				45				75			
16				46				76			
17				47				77			
18				48				78			
19				49				79			
20				50				80			
21				51				81			
22				52				82			
23				53				83			
24				54				84			
25				55				85			
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ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
91				121				151			
92				122				152			
93				123				153			
94				124				154			
95				125				155			
96				126				156			
97				127				157			
98				128				158			
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109				139				169			
110				140				170			
111				141				171			
112				142				172			
113				143				173			
114				144				174			
115				145				175			
116				146				176			
117				147				177			
118				148				178			
119				149				179			
120				150				180			

FORM 46280 (7/67)

ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
181				211				241			
182				212				242			
183				213				243			
184				214				244			
185				215				245			
186				216				246			
187				217				247			
188				218				248			
189				219				249			
190				220				250			
191				221				251			
192				222				252			
193				223				253			
194				224				254			
195				225				255			
196				226				256			
197				227				257			
198				228				258			
199				229				259			
200				230				260			
201				231				261			
202				232				262			
203				233				263			
204				234				264			
205				235				265			
206				236				266			
207				237				267			
208				238				268			
209				239				269			
210				240				270			

FORM 40800 (7/67)

ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
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FORM 46850 (7/67)

ABSTRACT

This report volume presents tabulated aft rotor blade angles and loads measured during the CH-46 Composite Rotor Blade Flight Stress Survey.

KEYWORDS

CH-46E
Composite
Rotor Blade
Flight Stress Survey
Alternating and Steady Loads

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REFERENCES

1. Vertol Report D210-11168-1 "CH-46 Composite Rotor Blade Flight Test Qualification Test Plan" March 30, 1977

2. Vertol Report D210-11168-2 "CH-46 Composite Rotor Blade Flight Test Report" May 15, 1978

3. Boeing Vertol Report D210-11168-3 Volume 1 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data

4. Boeing Vertol Report D210-11168-3 Volume 4 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Aft Blade Angles and Flap Loads

5. Boeing Vertol Report D210-11168-3 Volume 5 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Aft Blade Chord, Torsion and Absolute Loads

1. INTRODUCTION

A flight stress survey was conducted on a CH-46 helicopter with A02R1702 composite rotor blades. The test was conducted in accordance with Paragraphs 4.3.2 and 4.7 of Reference 1. General test description and pilot comments are included in Reference 2.

The tests were conducted at the Boeing Vertol Flight Test Facility at Ridley Township, Pennsylvania, during the period of June 1977 through November 1977.

2. SUMMARY

A flight stress survey and structural demonstration was conducted on the #1 CH-46E Helicopter, BuNo. 153372 (S/N 2268).

The components under test were the A02R1702 composite rotor blades and the A02R1710 blade socket.

This volume contains measured steady and alternating aft rotor blade angles and loads tabulated by flight and event number. In addition, the associated maximum and minimum aft flap angles are also included. Tne steady and alternating data is plotted versus true airspeed and can be found in Volumes 4 and 5.

3. DATA PRESENTATION

This volume contains measured steady and alternating aft rotor blade angles and loads tabulated by flight and event number. In addition, the associated maximum and minimum aft flap angles are also included.

The tabulated angles and load levels represent the maximum angle or load cycle occurring during the particular flight condition. The steady and alternating data is shown plotted versus true airspeed and can be found in Volumes 4 and 5.

Identification and data codes of gage measurements included in this volume and also the order with which the tabulated data is presented can be found in the gage identification table on the next page. This tabulated order is adhered to for all flights. Section 3.3 presents a flight/page number indexing chart for all flights tabulated in this volume.

Detailed flight condition parameters and a complete tabulated summary of maneuvers for each flight can be found in Volume 1 of this report.

3.1 Gage Identification and Tabulation Sequence

Strain gage identification and instrumentation code information for data presented in this volume, as well as the order of tabulated data, are as follows:

DATA CODE		MEASUREMENT	
ACTIVE	SPARE	NAME	UNITS
39010	-	Aft Blade Flap Angle	(DEG.)
39020	-	Aft Blade Lead Lag Angle	(DEG.)
39030	-	Aft Blade Pitch Angle	(DEG.)
49150	69150	Aft Blade Extension Link Flap Bending	(IN-LB)
49710	69710	Aft Blade Flap Bending Station 50.	(IN-LB)
49720	69720	Aft Blade Flap Bending Station 88.	(IN-LB)
49730	69730	Aft Blade Flap Bending Station 136.	(IN-LB)
49740	69740	Aft Blade Flap Bending Station 240.	(IN-LB)
49750	69750	Aft Blade Flap Bending Station 275.	(IN-LB)
49760	69760	Aft Blade Chord Bending Station 50.	(IN-LB)
49770	69770	Aft Blade T.E. Tension Station 88.	(IN-LB)
49780	69780	Aft Blade T.E. Tension Station 159.	(IN-LB)
49790	69790	Aft Blade Torsion Bending Station 52.	(IN-LB)
49800	69800	Aft Blade Torsion Bending Station 138.	(IN-LB)
49810	69810	Aft Blade Torsion Bending Station 242.	(IN-LB)
49820	-	Aft Blade Absolute Top L.E. Station 73.	(IN/IN)
49840	-	Aft Blade Absolute Top L.E. Station 240.	(IN/IN)
49860	69860	Aft Blade Extension Link Chord Bending	(IN-LB)

NOTES:
1. A complete description of the instrumentation for this stress survey can be found in Volume 1.
2. A flight by flight summary of operative gages can be found in Reference 2.
3. The spare gages were utilized when the active gages proved inoperable.

3.2 Sign Convention

The following table summarizes the sign convention adhered to for the gages presented in this volume.

GAGE MEASUREMENT NAME	(+) POLARITY CONDITION
Aft Blade Flap Angle	Blade Up
Aft Blade Lead Lag Angle	Blade Lagging
Aft Blade Pitch Angle	L.E. Up
Aft Blade Extension Link Flap Bending	Blade Up
Aft Blade Flap Bending Station 50.	Blade Up
Aft Blade Flap Bending Station 88.	Blade Up
Aft Blade Flap Bending Station 136.	Blade Up
Aft Blade Flap Bending Station 240.	Blade Up
Aft Blade Flap Bending Station 275.	Blade Up
Aft Blade Chord Bending Station 50.	Blade Leading
Aft Blade T.E. Tension Station 88.	Blade Leading
Aft Blade T.E. Tension Station 159.	Blade Leading
Aft Blade Torsion Bending Station 52.	L.E. Up
Aft Blade Torsion Bending Station 138.	L.E. Up
Aft Blade Torsion Bending Station 242.	L.E. Up
Aft Blade Absolute Top L.E. Station 73.	Tension
Aft Blade Absolute Top L.E. Station 240.	Tension
Aft Blade Extension Link Chord Bending	Blade Leading

3.3 Flight Index Chart

FLIGHT NUMBER	START OF TABULATION SEQUENCE
114	PAGE 18
115	25
116	39
117	46
119	53
121	67
122	81
124	88
126	102
127	109
128	116
132	123
133	130
134	144
135	151
136	158
137	165
138	172
139	179
140	193
141	200
142	214
143	228
151	242
161	249
162	256
163	263
166	270
167	277
177	284

4. TABULATED DATA

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TAGW 20800 TACG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	1.00	.71	1.71	.29	8.26	.12	1
2	3.41	2.90	6.38	.50	12.04	.24	2
3	3.27	3.76	7.52	-.49	12.60	.89	3
4	3.80	3.30	7.31	.01	12.12	.89	4
5	.89	5.14	8.51	-4.25	12.12	1.44	5
6	4.27	9.34	13.61	-5.06	12.00	.93	6
7	3.92	8.98	12.90	-5.06	11.35	2.48	7
9	.64	1.20	1.99	-1.69			9
10	4.12	6.38	10.49	-2.55	14.03	.69	10
11	3.69	3.76	7.52	-.14	12.48	.37	11
12	3.34	4.96	8.37	-1.62	11.18	.45	12
13	3.87	7.12	11.06	-3.32	11.27	.77	13
14	3.65	6.20	9.86	-2.62	12.56	.77	14
15	3.69	6.52	10.21	-3.04	13.34	.89	15
16	3.51	7.05	10.71	-3.54	14.07	.97	16
17	3.55	7.51	11.06	-4.03	13.90	1.06	17
18	3.41	7.65	11.13	-4.25	14.07	1.14	18
19	3.73	8.47	12.27	-4.74	13.62	1.26	19
20	3.97	8.01	11.98	-4.10	12.44	.97	20
21	4.36	7.83	12.27	-4.25	11.22	1.06	21
22	3.37	8.26	12.83	-4.88	13.94	1.02	22
23	3.69	8.57	12.90	-4.88	12.65	1.10	23
24	6.74	11.41	18.14	-5.06	13.05	2.07	24
25	6.10	9.28	15.38	-4.38	14.27	1.34	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TAGW 20800 TACG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
1	78.00	1925.00	4154.00	3272.00	1
2	966.50	2222.00	11900.00	8609.00	2
3	966.50	2222.00	10180.00	8265.00	3
4	670.50	2222.00	9147.00	10330.00	4
5	-70.00	2962.00	10010.00	14290.00	5
6	1500.00	2250.00	1399.00	24620.00	6
7	2000.00	4000.00	7942.00	21870.00	7
9	-1996.00	3999.00	6048.00	5166.00	9
10	1411.00	1777.00	13800.00	7404.00	10
11	522.00	1777.00	12760.00	7404.00	11
12	670.50	1926.00	12070.00	7404.00	12
13	1263.00	1926.00	13970.00	7576.00	13
14	522.50	2074.00	12420.00	7749.00	14
15	670.50	2518.00	12420.00	7060.00	15
16	818.50	2370.00	12590.00	6888.00	16
17	966.50	2518.00	13970.00	8265.00	17
18	1263.00	2814.00	13800.00	9470.00	18
19	374.00	3999.00	13450.00	14640.00	19
20	1411.00	2962.00	14480.00	12570.00	20
21	2000.00	2500.00	13970.00	11710.00	21
22	-5698.00	7997.00	15170.00	15320.00	22
23	-1403.00	3999.00	16380.00	13770.00	23
24	2500.00	5000.00	15000.00	33400.00	24
25	-5106.00	7405.00	14830.00	26340.00	25

FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
1	849.70	1058.00	336.50	982.30	-33.72	1429.00	1
2	3318.00	2430.00	1711.00	2750.00	-1925.00	3153.00	2
3	3476.00	2743.00	2183.00	2750.00	-2977.00	4624.00	3
4	2868.00	3958.00	1318.00	3536.00	-2304.00	3363.00	4
5	2731.00	5604.00	1318.00	2829.00	-4406.00	7987.00	5
6	-91.00	8740.00	-332.00	5029.00	-1085.00	7272.00	6
7	418.50	7447.00	1201.00	4125.00	-1170.00	7693.00	7
9	-678.80	2038.00	1554.00	1650.00	1185.00	2396.00	9
10	5083.00	2939.00	2772.00	2790.00	-5162.00	4288.00	10
11	3711.00	2900.00	2026.00	3221.00	-2682.00	4414.00	11
12	3358.00	2625.00	1554.00	3615.00	-3565.00	5633.00	12
13	3985.00	2626.00	1711.00	4165.00	-4280.00	4582.00	13
14	4338.00	3997.00	2065.00	4125.00	-3943.00	3573.00	14
15	4573.00	4154.00	1829.00	4833.00	-4364.00	3741.00	15
16	4612.00	4507.00	1751.00	5304.00	-4490.00	4120.00	16
17	3867.00	6036.00	1161.00	6286.00	-4195.00	5423.00	17
18	3593.00	6623.00	1044.00	6719.00	-4448.00	6011.00	18
19	3593.00	8270.00	414.50	7583.00	-5919.00	7398.00	19
20	3436.00	3410.00	1358.00	4675.00	-4826.00	7146.00	20
21	3632.00	3449.00	1593.00	4597.00	-5625.00	6347.00	21
22	3985.00	5526.00	1433.00	5343.00	-6507.00	10170.00	22
23	4299.00	4977.00	2340.00	5265.00	-5373.00	8365.00	23
24	5318.00	11330.00	3008.00	6954.00	-6340.00	16900.00	24
25	4768.00	10030.00	3597.00	6129.00	-5625.00	13660.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	144.60	1164.00	3101.00	1727.00	39200.00	1884.00	1
2	-3947.00	3367.00	2429.00	6619.00	39630.00	6377.00	2
3	-3978.00	3840.00	-161.00	7674.00	38330.00	7681.00	3
4	-3191.00	4438.00	510.50	7003.00	38330.00	7971.00	4
5	-4230.00	7553.00	5403.00	8250.00	36010.00	8260.00	5
6	-1744.00	5696.00	798.50	13430.00	41520.00	14350.00	6
7	-1776.00	7365.00	1374.00	13430.00	42390.00	15510.00	7
9	585.20	1542.00	-448.00	5276.00	11810.00	4927.00	9
10	-5961.00	3053.00	990.50	9977.00	39200.00	11450.00	10
11	-4639.00	4690.00	3485.00	8634.00	43980.00	11010.00	11
12	-3852.00	4973.00	3677.00	7099.00	44710.00	8261.00	12
13	-5143.00	3871.00	3772.00	9305.00	44270.00	9275.00	13
14	-5269.00	3053.00	3005.00	9689.00	43260.00	10290.00	14
15	-4150.00	3304.00	2909.00	11510.00	43980.00	12750.00	15
16	-5583.00	3620.00	4348.00	13140.00	44850.00	15070.00	16
17	-5268.00	4186.00	4636.00	18610.00	45140.00	22320.00	17
18	-4482.00	4595.00	4636.00	19380.00	44850.00	23760.00	18
19	-7125.00	6672.00	3389.00	21390.00	43540.00	25070.00	19
20	-4419.00	5980.00	5403.00	10740.00	45290.00	11450.00	20
21	-4356.00	5098.00	1183.00	10940.00	40940.00	12030.00	21
22	-5489.00	7679.00	6267.00	13530.00	44420.00	15800.00	22
23	-4639.00	7837.00	5212.00	13810.00	44710.00	14930.00	23
24	-6984.00	13080.00	4156.00	27150.00	42090.00	33760.00	24
25	-5521.00	11610.00	3773.00	28300.00	40360.00	32030.00	25

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	34710.00	1985.00	781.50	293.40	527.40	201.40	1
2	35540.00	6120.00	693.50	909.70	156.30	699.70	2
3	35210.00	9097.00	957.60	1115.00	188.10	858.80	3
4	35700.00	7940.00	634.80	1262.00	-34.53	869.30	4
5	32060.00	8271.00	722.80	1702.00	209.30	1368.00	5
6	37520.00	17040.00	517.40	1379.00	368.40	996.60	6
7	37850.00	16710.00	898.90	1585.00	135.10	1251.00	7
9	9569.00	3308.00	341.30	440.20	527.40	286.30	9
10	34210.00	10420.00	106.60	1144.00	-76.94	996.60	10
11	38020.00	10920.00	986.90	1144.00	421.40	710.30	11
12	38510.00	9097.00	781.50	1115.00	145.70	964.80	12
13	35370.00	7940.00	429.40	1585.00	-289.00	1378.00	13
14	36030.00	8270.00	546.80	2172.00	-257.20	1855.00	14
15	36690.00	10920.00	722.80	2758.00	-257.20	2258.00	15
16	37520.00	14060.00	1075.00	2993.00	-151.10	2428.00	16
17	36200.00	20680.00	1192.00	3287.00	-172.30	2597.00	17
18	35700.00	22830.00	1163.00	3433.00	-278.30	2703.00	18
19	36360.00	21830.00	370.50	4049.00	-670.60	3075.00	19
20	36360.00	10590.00	810.90	1907.00	-320.80	1622.00	20
21	35700.00	11250.00	1046.00	1673.00	-161.80	1548.00	21
22	36530.00	15380.00	224.00	2494.00	-469.20	1728.00	22
23	36690.00	12570.00	693.50	1966.00	71.50	1548.00	23
24	38350.00	33410.00	-510.00	6749.00	-422.00	4882.00	24
25	39170.00	31580.00	-422.00	6016.00	-686.70	4617.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
1	308.00	140.50	1031.00	84.41	698.80	93.53	1
2	101.90	590.30	924.00	207.20	854.80	218.30	2
3	195.60	515.30	847.30	207.20	924.90	272.80	3
4	92.53	524.70	939.40	284.00	878.20	210.50	4
5	270.60	833.90	947.10	414.40	1003.00	506.70	5
6	251.80	833.90	1108.00	637.00	784.60	428.70	6
7	139.40	833.90	1116.00	567.90	792.40	483.30	7
9	317.40	187.40	363.80	153.50	550.80	148.10	9
10	73.78	768.30	878.00	191.90	1042.00	265.00	10
11	383.00	627.80	908.70	207.20	917.10	280.60	11
12	214.30	684.00	931.70	199.50	979.50	343.00	12
13	92.53	880.80	916.40	153.50	1003.00	288.40	13
14	92.53	1087.00	916.40	230.30	987.30	226.00	14
15	73.78	1256.00	855.00	230.20	1011.00	249.60	15
16	92.53	1349.00	831.90	222.60	995.10	280.60	16
17	26.94	1471.00	831.90	268.60	987.30	350.80	17
18	-57.41	1480.00	839.60	291.60	995.10	374.10	18
19	-179.20	1733.00	862.70	422.10	1036.00	475.50	19
20	139.40	1021.00	847.30	299.30	1057.00	436.50	20
21	36.31	974.50	847.30	268.60	1050.00	381.90	21
22	-629.00	1658.00	778.20	414.40	1128.00	646.90	22
23	-507.10	1649.00	816.60	360.70	1096.00	537.80	23
24	-85.50	4001.00	755.20	790.50	1174.00	1099.00	24
25	-263.50	3542.00	831.90	744.40	1073.00	873.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	69860SDY	69860ALT	EVENT
1	24950.00	1248.00	1
2	12630.00	3882.00	2
3	6112.00	6794.00	3
4	11930.00	7071.00	4
5	9855.00	12480.00	5
6	18870.00	8735.00	6
7	18170.00	18860.00	7
9	-5258.00	5685.00	9
10	-1791.00	6655.00	10
11	6666.00	5130.00	11
12	14430.00	5407.00	12
13	14290.00	7765.00	13
14	5280.00	7903.00	14
15	-1930.00	9289.00	15
16	-2901.00	10260.00	16
17	-266.00	11790.00	17
18	-1514.00	12200.00	18
19	1259.00	13030.00	19
20	6389.00	9289.00	20
21	10550.00	9567.00	21
22	-5258.00	10680.00	22
23	6309.00	10260.00	23
24	7914.00	18020.00	24
25	-7615.00	13590.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	3.83	5.24	9.08	-1.69	[illegible].07	.49	1
2	3.55	6.45	10.14	-2.90	14.43	.69	2
3	3.48	6.09	9.71	-2.62	14.23	.65	3
4	3.48	6.16	9.64	-2.83	14.03	.69	4
5	3.58	5.85	9.43	-2.26	14.15	.57	5
6	3.55	5.88	9.43	-2.33	14.27	.61	6
7	3.23	1.38	4.61	1.85	14.11	.28	7
9	3.30	1.74	5.04	1.56	14.47	.32	9
10	3.44	1.38	4.82	1.99	14.35	.28	10
11	3.27	1.70	4.97	1.56	13.66	.32	11
12	3.37	2.44	5.89	.93	13.34	.41	12
13	3.41	2.34	5.82	1.07	13.38	.37	13
14	3.41	2.34	5.75	1.00	12.44	.41	14
15	3.34	2.48	5.82	.86	12.69	.41	15
16	3.51	2.59	6.10	.93	13.25	.41	16
17	3.44	2.59	6.03	.86	13.86	.28	17
18	3.44	2.59	6.03	.86	12.69	.41	18
19	3.58	3.01	6.60	.43	12.69	.49	19
20	3.69	3.54	7.23	.15	12.56	.53	20
21	3.44	3.01	6.45	.43	11.75	.45	21
22	3.12	2.55	5.68	.57	10.53	.37	22
23	2.84	2.41	5.25	.43	9.68	.32	23
24	3.80	3.65	7.45	.15	11.79	.65	24
25	3.74	3.19	6.95	.50	12.48	.53	25
26	3.62	3.83	7.45	-.21	13.70	.61	26
27	4.22	3.72	7.94	.29	13.38	.61	27
28	3.80	3.15	6.95	.57	12.61	.49	28
29	3.37	2.09	5.46	1.28	12.48	.37	29
30	3.48	2.98	6.45	.50	12.85	.89	30
31	3.41	3.47	7.66	-.06	12.69	.97	31
32	3.41	3.19	6.60	.22	12.00	.77	32
33	4.33	4.68	9.01	-.35	12.52	1.06	33
34	3.44	2.52	5.96	.93	12.20	.41	34
35	3.51	3.22	6.88	.29	13.38	.93	35
36	3.69	2.98	6.67	.71	13.38	1.10	36
37	3.97	3.40	7.38	.43	12.85	.73	37
38	3.90	4.39	8.30	-.49	13.82	.73	38
39	3.94	4.36	8.30	-.42	13.25	.65	39
40	3.94	4.43	8.37	-.49	12.85	.73	40
41	2.59	2.66	5.32	-.06	7.41	.24	41
42	2.59	2.16	4.82	.43	7.37	.20	42
43	2.63	4.53	7.16	-1.91	7.29	.37	43
44	2.02	3.08	6.38	-1.06	7.33	.32	44
45	2.84	2.98	5.82	-.42	7.65	.32	45
46	2.91	7.58	10.49	-4.67	7.45	.69	46
47	4.01	3.01	7.09	1.00	12.89	.28	47
48.	3.76	3.69	7.45	.08	12.81	.85	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
49	3.69	3.97	7.66	-.28	13.21	1.18	49
50	4.47	3.83	8.30	.50	13.58	.65	50
51	4.22	6.34	10.56	-3.68	13.78	1.34	51
52	4.93	5.92	10.85	-1.91	7.77	.85	52
53	3.69	6.02	9.93	-2.33	7.37	.61	53
54	3.76	5.53	9.29	-1.98	7.57	.65	54
55	3.14	5.00	8.72	-1.84	7.41	.49	55
56	3.30	5.42	8.72	-2.12	7.41	.41	56
57	3.80	4.85	8.65	-1.06	7.16	.65	57
58	4.65	4.57	9.22	-1.55	8.02	.53	58
59	3.83	4.82	9.57	-1.34	8.10	.77	59
60	3.80	6.77	10.56	-3.32	14.15	.97	60
61	3.74	5.67	9.43	-2.05	12.81	1.10	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
1	2744.00	2518.00	13970.00	8609.00	1
2	1411.00	1481.00	15170.00	6715.00	2
3	1263.00	1629.00	14030.00	6199.00	3
4	966.50	1630.00	15350.00	6543.00	4
5	966.50	1333.00	16210.00	5682.00	5
6	1115.00	1481.00	16550.00	5338.00	6
7	818.50	3555.00	15690.00	13090.00	7
9	670.00	3110.00	16720.00	12400.00	9
10	818.00	2962.00	16720.00	11360.00	10
11	670.00	3110.00	15860.00	12230.00	11
12	226.00	2370.00	17410.00	11360.00	12
13	374.50	2222.00	16550.00	10850.00	13
14	226.00	2666.00	18960.00	11540.00	14
15	374.50	3703.00	16720.00	12400.00	15
16	77.50	3703.00	14830.00	12230.00	16
17	670.50	3999.00	13800.00	13260.00	17
18	-514.50	2222.00	15690.00	9642.00	18
19	-366.50	2666.00	16210.00	11190.00	19
20	-514.50	3703.00	14480.00	12910.00	20
21	-514.50	3111.00	14830.00	10850.00	21
22	-218.50	3407.00	14140.00	11540.00	22
23	77.50	3703.00	11900.00	12050.00	23
24	-810.50	3999.00	16030.00	13430.00	24
25	78.00	3999.00	16210.00	14640.00	25
26	-958.50	5036.00	16210.00	19460.00	26
27	-1255.00	4739.00	12760.00	18080.00	27
28	-662.50	3259.00	13970.00	12050.00	28
29	-514.50	2518.00	17580.00	11190.00	29
30	-1107.00	2518.00	15690.00	10680.00	30
31	-1255.00	3554.00	13280.00	13430.00	31
32	-810.50	2518.00	13110.00	9814.00	32
33	-366.50	3851.00	14660.00	15500.00	33
34	-1255.00	3851.00	12250.00	13430.00	34
35	-810.50	3999.00	13280.00	15150.00	35
36	-959.00	4443.00	13110.00	16360.00	36
37	-811.00	3110.00	12590.00	13090.00	37
38	-1255.00	4443.00	15520.00	16700.00	38
39	-1551.00	4147.00	15170.00	14980.00	39
40	670.00	5776.00	12760.00	18770.00	40
41	-810.50	3407.00	9320.00	11880.00	41
42	-1255.00	4147.00	9147.00	13770.00	42
43	-1255.00	3851.00	9147.00	13770.00	43
44	-1255.00	3851.00	9320.00	14640.00	44
45	-662.50	3851.00	7942.00	12910.00	45
46	-23170.00	25180.00	7770.00	13430.00	46
47	-70.00	1481.00	12250.00	5166.00	47
48	226.00	1777.00	12760.00	6715.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
49	-70.50	2074.00	11210.00	7576.00	49
50	-70.50	2074.00	12760.00	8437.00	50
51	-1255.00	3666.00	6392.00	12050.00	51
52	226.00	6516.00	11560.00	24790.00	52
53	818.50	5628.00	13280.00	19970.00	53
54	78.00	4295.00	8631.00	18420.00	54
55	374.50	5184.00	10870.00	17910.00	55
56	78.00	4887.00	6909.00	15670.00	56
57	78.00	4591.00	8286.00	15320.00	57
58	226.00	5924.00	11210.00	21010.00	58
59	226.00	5332.00	10870.00	24110.00	59
60	670.50	2222.00	11390.00	6715.00	60
61	670.00	4591.00	10870.00	19280.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
1	3084.00	3370.00	2222.00	2711.00	-4784.00	3825.00	1
2	5278.00	2822.00	2929.00	2397.00	-5289.00	3573.00	2
3	4886.00	2665.00	2454.00	2043.00	-4868.00	3153.00	3
4	4847.00	2783.00	2812.00	2121.00	-4574.00	3279.00	4
5	4808.00	2586.00	2494.00	2082.00	-4784.00	3069.00	5
6	4769.00	2469.00	2576.00	1964.00	-4910.00	3027.00	6
7	4847.00	4037.00	2694.00	2946.00	-4069.00	5045.00	7
9	5043.00	3684.00	2694.00	2789.00	-4280.00	4918.00	9
10	5161.00	3409.00	2890.00	2593.00	-4196.00	4582.00	10
11	4847.00	3566.00	2497.00	2829.00	-4196.00	4834.00	11
12	4494.00	3292.00	2576.00	2907.00	-4196.00	4666.00	12
13	4612.00	3253.00	2576.00	2750.00	-3817.00	4540.00	13
14	4455.00	3880.00	1986.00	3418.00	-3859.00	5423.00	14
15	3593.00	3645.00	2026.00	3693.00	-4027.00	6684.00	15
16	3515.00	4037.00	2419.00	4007.00	-3397.00	7735.00	16
17	4416.00	3606.00	2615.00	3968.00	-1884.00	8407.00	17
18	3593.00	3018.00	1987.00	3339.00	-3691.00	5002.00	18
19	3593.00	3566.00	2262.00	3850.00	-3397.00	5801.00	19
20	3554.00	5251.00	2026.00	4400.00	-3439.00	8449.00	20
21	3515.00	3958.00	1908.00	3261.00	-3103.00	7188.00	21
22	2221.00	3527.00	1908.00	3575.00	-3817.00	5549.00	22
23	2378.00	3762.00	1672.00	4675.00	-3355.00	5759.00	23
24	3319.00	4860.00	1554.00	3850.00	-3229.00	7735.00	24
25	3907.00	4820.00	1712.00	4557.00	-3943.00	7441.00	25
26	4769.00	6153.00	1947.00	4479.00	-3061.00	10680.00	26
27	5082.00	6545.00	1397.00	4400.00	-3692.00	10210.00	27
28	4534.00	4428.00	2065.00	4125.00	-3985.00	6138.00	28
29	4299.00	3723.00	2222.00	3182.00	-3397.00	5296.00	29
30	3906.00	3096.00	2222.00	3418.00	-4406.00	5717.00	30
31	3044.00	4899.00	2301.00	4518.00	-4910.00	7230.00	31
32	3201.00	3645.00	2222.00	3261.00	-4742.00	4876.00	32
33	4299.00	4585.00	1712.00	3850.00	-4448.00	6095.00	33
34	3319.00	3997.00	1711.00	4086.00	-3608.00	7777.00	34
35	3710.00	6506.00	2301.00	4439.00	-5625.00	8617.00	35
36	4377.00	5604.00	2615.00	4754.00	-6423.00	7567.00	36
37	3201.00	5683.00	2183.00	3929.00	-4280.00	7272.00	37
38	4181.00	5957.00	1476.00	4164.00	-4112.00	9626.00	38
39	3750.00	5996.00	1554.00	4479.00	-4028.00	9795.00	39
40	4416.00	7133.00	572.00	5147.00	-4911.00	11270.00	40
41	2143.00	4859.00	572.20	2868.00	-2640.00	3111.00	41
42	2300.00	5330.00	729.40	3182.00	-3649.00	3615.00	42
43	2417.00	4977.00	964.70	3496.00	-3943.00	3321.00	43
44	1633.00	5056.00	729.40	3340.00	-2556.00	5381.00	44
45	2065.00	5016.00	965.10	3104.00	-2892.00	3279.00	45
46	3005.00	5095.00	807.90	3811.00	-3649.00	6306.00	46
47	3946.00	2116.00	2419.00	1807.00	-2472.00	1766.00	47
48	4455.00	2704.00	2537.00	2082.00	-2472.00	3447.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
49	4495.00	2979.00	2340.00	2436.00	-2388.00	4036.00	49
50	4534.00	2782.00	2301.00	2396.00	-1925.00	3153.00	50
51	1672.00	4468.00	2261.00	2750.00	-833.00	6179.00	51
52	2770.00	8152.00	768.60	4400.00	-5162.00	8239.00	52
53	2064.00	6663.00	-528.50	5619.00	-3691.00	6179.00	53
54	2339.00	7016.00	21.50	4440.00	-3775.00	6095.00	54
55	1633.00	6545.00	218.50	4951.00	-3859.00	5675.00	55
56	1908.00	6663.00	179.00	4754.00	-1296.00	5549.00	56
57	1829.00	5957.00	179.00	3968.00	-4153.00	5633.00	57
58	2770.00	7682.00	532.50	5265.00	-1926.00	6684.00	58
59	3044.00	8505.00	964.50	5226.00	-5288.00	7861.00	59
60	4573.00	4389.00	1869.00	5265.00	-3859.00	4078.00	60
61	2809.00	3270.00	3047.00	5972.00	-3313.00	8323.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TAGW 20800 TACG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	-3380.00	2990.00	607.00	9401.00	41230.00	10580.00	1
2	-5929.00	2581.00	-544.50	9977.00	39050.00	10720.00	2
3	-5583.00	2235.00	-161.00	9209.00	41230.00	9710.00	3
4	-5489.00	2392.00	-256.50	9689.00	42100.00	10290.00	4
5	-5300.00	2077.00	31.00	8825.00	43840.00	9130.00	5
6	-5520.00	2109.00	223.00	9017.00	45290.00	9420.00	6
7	-5363.00	3966.00	223.00	10170.00	45580.00	11160.00	7
9	-5332.00	3871.00	1183.00	9977.00	45720.00	11300.00	9
10	-5269.00	3556.00	799.00	9209.00	45000.00	10870.00	10
11	-5206.00	3871.00	1374.00	10360.00	47020.00	11450.00	11
12	-5143.00	3871.00	2430.00	9881.00	49050.00	11160.00	12
13	-4985.00	3714.00	2813.00	10260.00	50070.00	11590.00	13
14	-4199.00	4563.00	3197.00	10070.00	50360.00	11880.00	14
15	-4262.00	5948.00	3197.00	9881.00	51950.00	12030.00	15
16	-4041.00	7554.00	2430.00	10840.00	52530.00	11450.00	16
17	-2626.00	8592.00	1567.00	11130.00	51660.00	11450.00	17
18	-4293.00	4029.00	3005.00	9689.00	50000.00	12000.00	18
19	-3915.00	4721.00	3005.00	10650.00	52390.00	11590.00	19
20	-3915.00	7302.00	3485.00	13620.00	51510.00	15640.00	20
21	-3160.00	6735.00	3197.00	10460.00	52530.00	12900.00	21
22	-4797.00	5287.00	4540.00	10650.00	53110.00	12030.00	22
23	-4954.00	4941.00	3869.00	9785.00	53400.00	11160.00	23
24	-3947.00	7207.00	3485.00	12850.00	50650.00	14780.00	24
25	-3852.00	6924.00	4924.00	12180.00	51950.00	14050.00	25
26	-4860.00	9064.00	2142.00	18800.00	47600.00	20430.00	26
27	-4356.00	8246.00	3197.00	18900.00	50930.00	20860.00	27
28	-2940.00	7396.00	1950.00	13430.00	49780.00	14490.00	28
29	-3915.00	4595.00	4348.00	9881.00	50650.00	12460.00	29
30	-3853.00	5287.00	3868.00	9401.00	51950.00	11450.00	30
31	-4482.00	6672.00	3677.00	15160.00	50790.00	18980.00	31
32	-3412.00	4595.00	2046.00	10460.00	49780.00	11880.00	32
33	-3286.00	5665.00	3581.00	14480.00	52380.00	13330.00	33
34	-4513.00	6452.00	4444.00	10740.00	52530.00	12610.00	34
35	-2405.00	7301.00	607.00	13050.00	51220.00	14780.00	35
36	-4213.00	6515.00	2334.00	11890.00	50070.00	12750.00	36
37	-3538.00	6483.00	1950.00	12280.00	50360.00	14200.00	37
38	-5206.00	8088.00	3293.00	16880.00	49920.00	17820.00	38
39	-4293.00	8183.00	4924.00	17550.00	51520.00	18260.00	39
40	-5363.00	9316.00	2814.00	20240.00	48040.00	22600.00	40
41	-2846.00	3273.00	5116.00	6811.00	56730.00	8982.00	41
42	-2908.00	3588.00	4362.00	7674.00	56580.00	10280.00	42
43	-3097.00	3714.00	5403.00	8633.00	56290.00	10570.00	43
44	-2248.00	4941.00	5787.00	8634.00	55140.00	9420.00	44
45	-3443.00	3305.00	5403.00	8633.00	56290.00	10280.00	45
46	-3255.00	6011.00	3581.00	9881.00	51810.00	10140.00	46
47	-3160.00	2014.00	2142.00	6332.00	45430.00	5507.00	47
48	-3538.00	3084.00	2430.00	8922.00	48760.00	8550.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
49	-3632.00	3557.00	3101.00	10550.00	47310.00	10580.00	49
50	-3254.00	3242.00	2430.00	7195.00	44420.00	7101.00	50
51	-1492.00	6074.00	1375.00	9785.00	47750.00	8985.00	51
52	-4891.00	7144.00	10100.00	14870.00	53110.00	17820.00	52
53	-4167.00	5350.00	6362.00	11700.00	51080.00	13190.00	53
54	-3381.00	4941.00	5211.00	10550.00	48620.00	12460.00	54
55	-2279.00	6231.00	7034.00	11220.00	49920.00	12320.00	55
56	-1335.00	6105.00	4924.00	10070.00	48620.00	11590.00	56
57	-2562.00	5885.00	4732.00	10840.00	46880.00	11880.00	57
58	-3915.00	7050.00	2238.00	12180.00	53690.00	15210.00	58
59	-2845.00	6861.00	4348.00	13330.00	52820.00	17530.00	59
60	-5741.00	3651.00	4156.00	13140.00	43550.00	15510.00	60
61	-3821.00	6326.00	894.50	13140.00	37600.00	19130.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	34380.00	10590.00	-832.50	1086.00	124.50	858.80	1
2	33220.00	9759.00	-979.20	1056.00	-23.91	901.20	2
3	34540.00	8436.00	-920.50	939.10	71.53	784.50	3
4	35540.00	8766.00	-656.40	1027.00	135.10	805.80	4
5	37520.00	7774.00	-509.70	939.00	156.30	720.90	5
6	38510.00	7774.00	-392.30	939.00	135.10	763.30	6
7	39340.00	11580.00	-304.30	1262.00	60.91	1050.00	7
9	39180.00	11080.00	-128.20	1321.00	7.88	1060.00	9
10	38850.00	10420.00	-69.50	1203.00	-2.69	943.60	10
11	41330.00	10920.00	253.30	1231.00	113.90	1018.00	11
12	41660.00	10260.00	429.40	1409.00	92.72	1124.00	12
13	42650.00	10260.00	722.80	1350.00	92.69	1060.00	13
14	44300.00	10590.00	898.90	1291.00	177.50	1060.00	14
15	44960.00	10920.00	928.20	1497.00	92.69	1060.00	15
16	45130.00	10420.00	1339.00	2201.00	-108.70	1983.00	16
17	45130.00	10750.00	1075.00	2465.00	-532.80	1919.00	17
18	43970.00	8932.00	1427.00	1409.00	82.09	1262.00	18
19	43640.00	9594.00	1368.00	1526.00	-23.94	1431.00	19
20	42320.00	13890.00	1192.00	2700.00	-649.40	2608.00	20
21	44300.00	11580.00	1133.00	3169.00	-723.70	2809.00	21
22	44970.00	10590.00	1955.00	1585.00	71.47	1357.00	22
23	46290.00	9924.00	2073.00	1702.00	219.90	1293.00	23
24	42980.00	12240.00	1104.00	3551.00	-808.40	3234.00	24
25	42650.00	13230.00	1779.00	1702.00	-246.60	1505.00	25
26	45620.00	22160.00	1309.00	3404.00	-575.20	3064.00	26
27	43810.00	21340.00	1427.00	3169.00	-925.10	3032.00	27
28	43970.00	11910.00	1750.00	1614.00	-34.53	1442.00	28
29	44300.00	10260.00	2161.00	1321.00	113.90	996.60	29
30	43640.00	10920.00	2278.00	1673.00	198.70	1484.00	30
31	42480.00	17040.00	2307.00	1937.00	113.90	1675.00	31
32	42810.00	10420.00	1955.00	1233.00	29.09	1103.00	32
33	42650.00	13560.00	1867.00	1731.00	-182.90	1590.00	33
34	46450.00	11410.00	1955.00	1878.00	-55.72	1845.00	34
35	44800.00	13400.00	1896.00	2700.00	-342.00	2576.00	35
36	42810.00	11410.00	1750.00	2260.00	-448.00	1558.00	36
37	44970.00	11250.00	1926.00	2611.00	-405.60	2385.00	37
38	46290.00	18190.00	1779.00	3580.00	-819.10	3223.00	38
39	44140.00	19680.00	1280.00	3727.00	-936.10	3637.00	39
40	43970.00	23810.00	1075.00	3873.00	-1350.00	3351.00	40
41	49270.00	9594.00	2542.00	1291.00	166.90	1007.00	41
42	48600.00	10590.00	2484.00	1409.00	166.90	1177.00	42
43	47940.00	10590.00	2659.00	1526.00	82.09	1177.00	43
44	50420.00	10090.00	2689.00	2142.00	357.80	1601.00	44
45	48770.00	10420.00	2572.00	1497.00	188.10	1092.00	45
46	44300.00	9263.00	2454.00	1555.00	718.20	1156.00	46
47	39510.00	4466.00	1662.00	1056.00	188.10	498.30	47
48	42150.00	8105.00	1838.00	1174.00	-108.80	943.60	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TAGW 20800 TACG 22.6 FWD FLIGHT DATE 08/02/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
49	41820.00	9428.00	1633.00	1144.00	-161.80	826.90	49
50	40060.00	5624.00	1897.00	1056.00	156.30	636.10	50
51	42320.00	9594.00	2513.00	1555.00	538.00	1081.00	51
52	44800.00	16710.00	2571.00	2318.00	-66.31	1601.00	52
53	41990.00	12570.00	2483.00	1937.00	304.70	1187.00	53
54	41990.00	10920.00	1867.00	1614.00	-267.80	1293.00	54
55	40000.00	12240.00	2982.00	2083.00	887.80	1558.00	55
56	39670.00	11250.00	2454.00	1614.00	262.30	1124.00	56
57	39840.00	11740.00	1955.00	1878.00	113.90	1336.00	57
58	44800.00	15050.00	2425.00	1995.00	357.80	1389.00	58
59	45960.00	17200.00	1985.00	1907.00	421.30	1495.00	59
60	36030.00	14560.00	1192.00	3052.00	-98.13	2438.00	60
61	31240.00	22330.00	634.80	1790.00	-246.50	1611.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TAGW 20800 TACG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVEN
1	139.40	684.00	808.90	245.60	854.80	249.40	1
2	139.40	777.70	808.90	168.80	1018.00	226.10	2
3	120.70	665.30	824.30	153.50	1026.00	202.70	3
4	167.50	693.40	847.30	161.20	1003.00	210.50	4
5	176.90	609.10	862.60	145.80	1018.00	194.90	5
6	139.40	646.50	862.60	145.80	1011.00	187.10	6
7	64.41	965.10	901.00	322.30	1011.00	327.30	7
9	92.53	955.70	878.00	299.30	979.50	311.80	9
10	64.41	890.20	870.30	276.30	963.90	296.20	10
11	64.44	946.40	924.10	299.30	979.50	311.80	11
12	158.10	927.60	924.00	268.60	979.50	296.20	12
13	158.10	908.90	962.40	260.90	971.70	288.40	13
14	251.80	1021.00	962.40	291.70	971.70	350.80	14
15	111.30	974.50	1016.00	268.60	987.30	428.70	15
16	-160.50	1902.00	1001.00	268.60	932.70	498.80	16
17	-160.40	1771.00	993.10	307.00	808.00	561.20	17
18	111.30	1012.00	1001.00	237.90	924.90	319.60	18
19	17.56	1199.00	1016.00	253.30	917.10	358.60	19
20	-535.20	2258.00	993.10	307.00	909.30	522.30	20
21	-554.00	2558.00	977.80	276.30	885.90	452.10	21
22	-141.70	1153.00	1039.00	230.20	924.90	350.80	22
23	336.10	937.00	1093.00	237.90	917.10	358.60	23
24	-703.90	2914.00	924.00	330.00	893.80	491.10	24
25	-160.40	1527.00	970.10	345.30	963.90	467.70	25
26	-666.40	2783.00	916.40	445.10	862.50	662.50	26
27	-722.70	2895.00	1001.00	437.50	924.90	647.00	27
28	130.00	1237.00	1024.00	291.60	893.70	413.10	28
29	92.53	899.50	924.00	284.00	885.90	327.40	29
30	326.80	1115.00	977.80	245.60	963.90	358.60	30
31	-1.16	1480.00	1031.00	314.70	948.30	467.70	31
32	195.60	983.80	1024.00	230.30	956.10	288.40	32
33	-244.80	1593.00	916.40	399.10	948.30	389.70	33
34	-48.00	1621.00	1032.00	299.30	917.10	467.70	34
35	-507.10	2211.00	931.70	368.40	1011.00	514.40	35
36	-329.10	1509.00	970.10	406.80	1057.00	467.70	36
37	-572.80	2239.00	1001.00	330.00	940.50	491.10	37
38	-835.10	2933.00	985.40	422.10	948.30	592.40	38
39	-853.80	3139.00	1001.00	391.40	932.70	623.60	39
40	-1060.00	2914.00	924.00	422.10	1011.00	732.70	40
41	261.20	730.90	1277.00	330.00	917.10	187.10	41
42	392.40	787.10	1269.00	368.40	971.70	226.00	42
43	336.20	862.00	1208.00	368.40	979.50	218.20	43
44	486.10	974.50	1239.00	353.00	893.70	335.20	44
45	308.00	721.50	1246.00	345.40	940.50	210.40	45
46	420.50	833.90	1193.00	353.00	917.10	389.70	46
47	214.30	290.50	916.40	153.50	808.00	124.70	47
48	-48.03	740.20	901.00	184.20	808.00	218.30	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
49	-85.50	740.30	939.40	191.90	815.80	241.60	49
50	17.56	449.80	870.30	214.90	792.40	202.70	50
51	176.90	815.20	1039.00	322.30	714.50	374.20	51
52	429.80	993.20	1131.00	614.00	956.10	522.20	52
53	223.70	937.00	1147.00	491.20	987.30	381.90	53
54	158.10	740.30	1039.00	475.80	901.50	374.20	54
55	785.90	1049.00	1101.00	460.50	870.30	343.00	55
56	401.80	665.30	1154.00	422.10	800.20	350.80	56
57	476.70	833.90	1131.00	399.10	963.90	358.60	57
58	504.80	1124.00	1154.00	529.50	917.10	436.50	58
59	317.40	1012.00	1047.00	575.60	1073.00	498.80	59
60	195.60	1359.00	801.30	222.60	948.30	265.00	60
61	-301.00	1293.00	831.90	529.60	847.00	506.70	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	A9860SDY	A9860ALT	EVENT
1	-2624.00	5269.00	1
2	-5119.00	6932.00	2
3	-2762.00	6516.00	3
4	-1791.00	6655.00	4
5	-3594.00	5685.00	5
6	-4980.00	5962.00	6
7	-2346.00	4991.00	7
9	-3871.00	5130.00	9
10	-4842.00	4992.00	10
11	-3039.00	5130.00	11
12	565.50	5130.00	12
13	-404.50	5269.00	13
14	3478.00	6378.00	14
15	3062.00	6517.00	15
16	-821.00	6239.00	16
17	-5396.00	5546.00	17
18	3755.00	5824.00	18
19	2091.00	6378.00	19
20	981.50	7487.00	20
21	9162.00	6517.00	21
22	22060.00	6378.00	22
23	23440.00	6101.00	23
24	6250.00	7764.00	24
25	3339.00	7071.00	25
26	-6090.00	8735.00	26
27	-3317.00	8181.00	27
28	2091.00	7210.00	28
29	3755.00	5824.00	29
30	1259.00	8596.00	30
31	2230.00	10680.00	31
32	6944.00	8458.00	32
33	2368.00	10260.00	33
34	6250.00	6100.00	34
35	-1792.00	9706.00	35
36	-2346.00	10260.00	36
37	1398.00	8458.00	37
38	-4565.00	8874.00	38
39	-2208.00	8458.00	39
40	4725.00	9844.00	40
41	43130.00	4437.00	41
42	42440.00	4298.00	42
43	43130.00	5546.00	43
44	42990.00	5407.00	44
45	43820.00	4853.00	45
46	39530.00	7210.00	46
47	5557.00	3744.00	47
48	3339.00	7071.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	A9860SDY	A9860ALT	EVENT
49	-266.50	8735.00	49
50	-2485.00	6239.00	50
51	-4565.00	11090.00	51
52	48120.00	8596.00	52
53	44100.00	7349.00	53
54	39530.00	6100.00	54
55	44790.00	6378.00	55
56	44930.00	5130.00	56
57	45350.00	6932.00	57
58	52000.00	7210.00	58
59	40630.00	9705.00	59
60	-2207.00	10120.00	60
61	5557.00	10120.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.49	9.55	14.04	-5.06	12.56	1.10	2
3	3.94	6.48	10.56	-2.55	12.73	.85	3
4	4.88	9.94	14.82	-5.06	12.60	1.70	4
5	3.62	6.45	10.07	-2.97	13.13	.69	5
6	5.68	8.22	13.90	-2.62	14.63	1.38	6
7	4.22	7.97	12.27	-3.75	14.19	.93	7
8	4.90	8.36	13.47	-3.68	10.98	1.14	8
9	4.61	8.79	13.82	-4.18	15.45	1.95	9
10	5.02	10.08	15.10	-5.06	13.25	1.62	10
11	4.12	8.29	12.48	-4.18	14.67	2.07	11
12	4.65	8.75	13.40	-5.06	13.70	1.42	12
13	3.97	8.65	12.62	-4.67	14.59	1.34	13
14	4.82	9.71	14.53	-5.06	14.55	1.38	14
15	3.30	8.33	11.91	-5.02	14.11	1.18	15
16	3.62	7.37	10.99	-3.82	13.66	.97	16
17	3.83	6.94	10.78	-3.25	14.39	.97	17
18	3.27	6.38	9.86	-3.11	13.34	1.30	18
19	3.44	7.12	10.85	-3.68	13.21	1.02	19
20	3.55	6.66	10.28	-3.25	12.56	1.26	20
21	3.55	7.94	11.49	-4.39	13.34	2.19	21
22	3.41	7.02	10.85	-3.89	14.27	1.50	22
23	3.27	8.15	11.70	-4.88	14.23	1.22	23
24	3.43	8.49	12.05	-5.06	13.99	1.79	24
25	3.65	7.05	10.71	-3.40	11.31	.89	25
26	3.09	5.70	8.86	-2.62	10.37	.61	26
27	3.02	5.14	8.30	-2.19	8.79	.49	27
28	4.01	7.62	11.63	-3.61	12.36	1.06	28
29	3.37	2.59	6.03	.79	12.56	.28	29
30	2.95	7.69	11.13	-4.74	8.10	1.02	30
31	3.27	6.09	9.57	-2.83	8.51	.69	31
32	2.91	5.17	8.08	-2.26	7.21	.69	32
33	2.66	3.72	7.31	-1.06	7.53	.45	33
34	3.14	8.11	11.27	-5.02	6.52	1.06	34
35	2.66	4.07	7.16	-1.41	8.02	.45	35
36	4.79	5.63	10.42	-1.84	7.37	.93	36
37	4.51	6.13	10.64	-1.62	7.49	.89	37
38	3.74	6.73	10.71	-2.97	10.05	.69	38
39	3.97	5.67	9.71	-2.05	13.21	.69	39
40	4.24	6.24	10.49	-2.47	12.20	.89	40
41	3.87	5.63	9.71	-1.98	9.93	.57	41
42	1.07	3.61	5.89	-2.97	10.37	.61	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	-15920.00	21770.00	16720.00	21350.00	2
3	818.50	5332.00	14310.00	18250.00	3
4	14000.00	32000.00	24820.00	35990.00	4
5	1855.00	4591.00	17930.00	17740.00	5
6	1855.00	6961.00	21540.00	32370.00	6
7	-1107.00	5184.00	20340.00	20490.00	7
8	1115.00	3555.00	19130.00	14460.00	8
9	1411.00	1777.00	17930.00	8437.00	9
10	5000.00	30000.00	23950.00	32370.00	10
11	522.00	2962.00	14480.00	11880.00	11
12		6000.00	18790.00	25140.00	12
13	-70.00	4147.00	15000.00	18250.00	13
14		6000.00	20340.00	26340.00	14
15	-5550.00	9034.00	14660.00	11020.00	15
16	522.50	2370.00	14480.00	7060.00	16
17	966.50	1926.00	15520.00	6715.00	17
18	670.00	3110.00	14480.00	12220.00	18
19	-218.00	2814.00	13110.00	9470.00	19
20	522.00	2666.00	11900.00	11710.00	20
21	374.00	4887.00	13280.00	17220.00	21
22	1263.00	2814.00	14660.00	10680.00	22
23	-1848.00	5036.00	10700.00	10160.00	23
24	8000.00	11000.00	13280.00	25140.00	24
25	374.50	2222.00	13110.00	9470.00	25
26	-366.50	3259.00	10350.00	14640.00	26
27	374.00	3999.00	11040.00	16360.00	27
28	1115.00	4740.00	15520.00	19110.00	28
29	1115.00	1778.00	12250.00	5854.00	29
30	966.50	8442.00	16030.00	30650.00	30
31	966.50	6369.00	14140.00	26690.00	31
32	818.00	5924.00	7770.00	22380.00	32
33	-1255.00	6220.00	2087.00	32200.00	33
34	-2000.00	8000.00	4154.00	31170.00	34
35	-1255.00	5924.00	4843.00	24970.00	35
36	-218.00	10220.00	14480.00	41840.00	36
37	818.50	10070.00	19990.00	47690.00	37
38	374.50	5184.00	17930.00	20150.00	38
39	966.50	4888.00	14140.00	20490.00	39
40	522.50	5036.00	13280.00	19280.00	40
41	966.50	5480.00	14480.00	24970.00	41
42	-218.50	2222.00	7081.00	8954.00	42

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	5592.00	7054.00	3283.00	5422.00	-4364.00	11560.00	2
3	5043.00	5644.00	2969.00	4793.00	-4616.00	9038.00	3
4	5944.00	11170.00	2262.00	8330.00	-3145.00	16230.00	4
5	5396.00	7015.00	3558.00	5618.00	-2977.00	10510.00	5
6	5200.00	9014.00	2340.00	7308.00	-6255.00	13030.00	6
7	5278.00	6114.00	2183.00	6050.00	-5079.00	12860.00	7
8	4808.00	4938.00	964.50	5462.00	-5835.00	8575.00	8
9	5827.00	3527.00	3244.00	3811.00	-5793.00	5759.00	9
10	3671.00	11880.00	1004.00	9508.00	-6886.00	14750.00	10
11	5083.00	5605.00	2104.00	5108.00	-6003.00	5885.00	11
12	3162.00	10350.00	1437.00	6169.00	-5751.00	12950.00	12
13	4063.00	7721.00	1318.00	6758.00	-6507.00	8660.00	13
14	2692.00	10270.00	1083.00	6994.00	-6298.00	12570.00	14
15	4965.00	5330.00	1476.00	6051.00	-5288.00	5423.00	15
16	4690.00	4429.00	1790.00	4872.00	-4195.00	4246.00	16
17	5239.00	3880.00	2419.00	4322.00	-4532.00	3657.00	17
18	4220.00	6153.00	650.50	5933.00	-2808.00	5549.00	18
19	3789.00	4860.00	2497.00	4950.00	-4910.00	4624.00	19
20	2300.00	5408.00	454.00	5343.00	-4826.00	4372.00	20
21	4298.00	8583.00	532.50	7780.00	-4448.00	9626.00	21
22	4573.00	5878.00	2026.00	5657.00	-5456.00	5171.00	22
23	3867.00	5330.00	1397.00	5972.00	-4154.00	4876.00	23
24	1947.00	8035.00	1318.00	8015.00	-917.00	8701.00	24
25	3828.00	4742.00	1751.00	4282.00	-4069.00	4204.00	25
26	2143.00	5800.00	297.00	4872.00	-3565.00	5297.00	26
27	2065.00	6036.00	-292.50	6090.00	-4700.00	5507.00	27
28	3280.00	6623.00	964.50	6562.00	-4826.00	7735.00	28
29	3632.00	2038.00	1472.00	1847.00	-1673.00	2985.00	29
30	3280.00	10070.00	179.00	8997.00	-5289.00	10640.00	30
31	-914.50	9799.00	450.00	7583.00	-4364.00	8870.00	31
32	-1502.00	9994.00	-410.50	8016.00	-2220.00	9164.00	32
33	-2012.00	11760.00	-1216.00	9056.00	-5162.00	8660.00	33
34	653.50	12460.00	414.50	9705.00	-3103.00	10210.00	34
35	-483.50	9289.00	-214.00	8762.00	-4447.00	7777.00	35
36	1633.00	14930.00	22.00	8840.00	-6003.00	11770.00	36
37	2848.00	13400.00	179.00	9940.00	-5962.00	13750.00	37
38	4965.00	7133.00	965.00	5697.00	-749.00	8197.00	38
39	3554.00	6819.00	3086.00	6247.00	-1338.00	8786.00	39
40	2927.00	7682.00	1829.00	5383.00	-1086.00	7693.00	40
41	3593.00	8035.00	1318.00	5972.00	-454.50	9164.00	41
42	732.10	2900.00	690.10	2279.00	-1673.00	3153.00	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-3255.00	12490.00	990.50	17650.00	43690.00	19130.00	2
3	-1776.00	9945.00	511.00	14290.00	45860.00	16090.00	3
4	-3444.00	14130.00	1758.00	25520.00	42820.00	26080.00	4
5	-4357.00	10200.00	990.50	12660.00	44850.00	17970.00	5
6	-3979.00	12020.00	127.50	19090.00	43400.00	22030.00	6
7	-7094.00	11420.00	990.50	13620.00	46300.00	16520.00	7
8	-4356.00	7868.00	4348.00	16020.00	43980.00	17970.00	8
9	-7094.00	4626.00	-1120.00	14010.00	40070.00	17530.00	9
10	-5804.00	11960.00	-352.50	28590.00	45280.00	40430.00	10
11	-7440.00	5225.00	4156.00	17170.00	45140.00	21150.00	11
12	-6937.00	10070.00	3869.00	24560.00	45280.00	30000.00	12
13	-7786.00	7711.00	-160.50	18610.00	42390.00	19850.00	13
14	-7786.00	10670.00	2238.00	24850.00	45140.00	30430.00	14
15	-7157.00	5633.00	3676.00	15730.00	45290.00	18690.00	15
16	-4370.00	3966.00	3197.00	11990.00	45000.00	13190.00	16
17	-5835.00	3116.00	1662.00	10650.00	43110.00	11880.00	17
18	-4024.00	5696.00	2238.00	12180.00	43400.00	13910.00	18
19	-5331.00	4123.00	3869.00	13430.00	45860.00	14350.00	19
20	-4307.00	3777.00	2238.00	13140.00	43550.00	14930.00	20
21	-3066.00	7648.00	3581.00	23690.00	42090.00	26520.00	21
22	-5426.00	4469.00	4252.00	16690.00	45860.00	19850.00	22
23	-3286.00	5476.00	4348.00	16400.00	46300.00	18840.00	23
24	-4244.00	7176.00	-352.50	34920.00	40500.00	42030.00	24
25	-5646.00	3557.00	2813.00	10650.00	43980.00	11300.00	25
26	-4356.00	3966.00	2429.00	10460.00	42390.00	11450.00	26
27	-5552.00	6294.00	1854.00	10840.00	41660.00	13040.00	27
28	-4338.00	6515.00	4252.00	14770.00	42390.00	16960.00	28
29	-2971.00	2455.00	415.00	6907.00	43400.00	6087.00	29
30	-4213.00	9536.00	1375.00	20340.00	46290.00	25210.00	30
31	-4199.00	8340.00	1183.00	16500.00	48470.00	20430.00	31
32	-2909.00	8120.00	7993.00	13530.00	47890.00	16960.00	32
33	-3852.00	5980.00	3293.00	13810.00	42680.00	16670.00	33
34	-1587.00	11270.00	4924.00	15830.00	41810.00	20430.00	34
35	-2782.00	6106.00	1470.00	13530.00	42530.00	15650.00	35
36	-4811.00	11200.00	3389.00	32900.00	43830.00	35790.00	36
37	-5364.00	12400.00	1375.00	27050.00	40930.00	30860.00	37
38	-2846.00	9819.00	3101.00	14200.00	39200.00	15510.00	38
39	-3507.00	8340.00	3773.00	12180.00	41520.00	15800.00	39
40	-3286.00	8686.00	-1696.00	14770.00	37890.00	19710.00	40
41	-3286.00	7931.00	1950.00	11130.00	42240.00	13910.00	41
42	-2625.00	2675.00	-160.50	6140.00	38470.00	6087.00	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	39510.00	19680.00	-949.80	2494.00	-766.10	2025.00	2
3	40500.00	16380.00	488.10	1819.00	-182.90	1336.00	3
4	37520.00	26630.00	-832.50	3610.00	-1010.00	3075.00	4
5	41000.00	17200.00	-216.20	2876.00	-1105.00	2258.00	5
6	36710.00	23160.00	253.00	4578.00	-1095.00	3456.00	6
7	35540.00	16710.00	-480.30	3433.00	-1349.00	2863.00	7
8	36200.00	20680.00	253.30	2230.00	-363.20	1728.00	8
9	32890.00	16370.00	312.00	1819.00	-342.00	1622.00	9
10	39340.00	41020.00	-3416.00	7601.00	-528.00	4776.00	10
11	36030.00	18530.00	634.80	2905.00	-543.40	2311.00	11
12	37690.00	27460.00	-1332.00	5987.00	-1090.00	4214.00	12
13	35370.00	14890.00	224.00	3316.00	-522.20	2566.00	13
14	36360.00	27790.00	-715.50	6192.00	-856.30	4448.00	14
15	37030.00	15880.00	605.40	3111.00	-278.40	2513.00	15
16	36690.00	11250.00	898.90	2876.00	-66.34	2301.00	16
17	36200.00	10090.00	781.50	2524.00	-182.90	2078.00	17
18	35210.00	14060.00	722.70	3521.00	-129.90	2597.00	18
19	38180.00	10750.00	1016.00	2641.00	-257.20	2195.00	19
20	35540.00	13400.00	664.10	2817.00	-182.90	2311.00	20
21	32060.00	23160.00	1222.00	4196.00	-87.53	2640.00	21
22	38020.00	18190.00	1045.00	3375.00	-98.13	2608.00	22
23	38180.00	17700.00	986.80	3257.00	-193.50	2619.00	23
24	34040.00	36710.00	928.20	3903.00	-363.20	3022.00	24
25	36360.00	8932.00	605.50	2054.00	-214.80	1771.00	25
26	35210.00	8766.00	488.10	1995.00	-66.31	1707.00	26
27	34710.00	10920.00	664.20	2172.00	-23.94	1686.00	27
28	34380.00	13230.00	429.40	2641.00	-289.00	2078.00	28
29	38350.00	5624.00	1192.00	763.00	315.30	477.10	29
30	37190.00	23320.00	781.50	2935.00	-331.40	2120.00	30
31	38180.00	21010.00	693.50	2788.00	82.09	2110.00	31
32	40330.00	19850.00	869.50	3962.00	230.50	3000.00	32
33	34540.00	18690.00	517.40	2905.00	-405.60	2067.00	33
34	34380.00	20840.00	1163.00	3198.00	-246.50	2417.00	34
35	35040.00	17860.00	370.70	2817.00	-225.40	2142.00	35
36	34870.00	33900.00	-363.00	5018.00	-755.40	3032.00	36
37	34210.00	32580.00	-187.50	4373.00	-405.60	2937.00	37
38	35040.00	17200.00	576.10	2436.00	-554.00	1919.00	38
39	39010.00	18190.00	282.70	2025.00	-331.40	1781.00	39
40	33060.00	22830.00	341.30	2377.00	-225.30	1781.00	40
41	38510.00	15380.00	634.80	1790.00	378.90	1283.00	41
42	35040.00	6285.00	664.20	704.30	516.80	508.90	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
THGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-722.70	1958.00	808.90	552.60	924.90	740.50	2
3	-291.70	1246.00	854.90	445.10	995.10	576.80	3
4	-750.80	2024.00	655.40	874.90	835.90	1013.00	4
5	-994.40	2399.00	808.90	475.80	893.70	662.50	5
6	-835.10	2933.00	785.90	775.10	1065.00	818.40	6
7	-1116.00	3027.00	808.90	491.20	1026.00	795.00	7
8	-66.75	1321.00	847.30	376.10	1089.00	530.00	8
9	55.03	1106.00	762.90	230.30	1026.00	374.10	9
10	-1149.00	3547.00	601.70	805.80	1143.00	896.30	10
11	242.40	1649.00	808.90	322.30	1065.00	381.90	11
12	-825.70	2717.00	747.50	614.00	1042.00	810.60	12
13	-301.00	1687.00	855.00	429.80	1096.00	553.40	13
14	-450.90	2511.00	762.90	598.60	1089.00	810.70	14
15	36.31	1443.00	847.30	314.70	1011.00	358.50	15
16	158.10	1321.00	824.30	230.30	956.10	257.20	16
17	111.30	1181.00	839.60	214.90	1003.00	241.60	17
18	148.80	1537.00	785.90	376.10	901.50	374.20	18
19	-10.53	1359.00	893.30	299.30	1003.00	272.80	19
20	139.40	1321.00	1001.00	314.70	987.30	288.40	20
21	64.44	1621.00	793.60	537.20	963.90	576.80	21
22	148.80	1499.00	770.60	330.00	1018.00	304.00	22
23	92.53	1480.00	885.70	307.00	948.30	311.80	23
24	73.78	2024.00	985.40	683.10	691.10	537.80	24
25	92.53	993.20	878.00	253.30	979.50	265.00	25
26	214.30	1096.00	1001.00	376.00	932.70	327.40	26
27	195.60	1209.00	924.10	406.80	1003.00	335.20	27
28	158.10	1471.00	785.90	452.80	1003.00	475.50	28
29	289.30	459.10	908.70	176.50	792.40	202.70	29
30	130.00	2211.00	1085.00	736.80	1089.00	670.30	30
31	158.10	1546.00	1262.00	698.40	1042.00	545.60	31
32	495.40	1771.00	1177.00	675.40	870.30	545.60	32
33	-48.00	1527.00	1346.00	844.20	1011.00	530.00	33
34	36.31	1818.00	1170.00	867.20	909.30	631.40	34
35	-19.94	1518.00	1231.00	698.40	971.70	491.10	35
36	214.30	2539.00	1024.00	874.90	1135.00	779.40	36
37	139.40	2221.00	924.00	1051.00	1096.00	880.80	37
38	-600.90	1986.00	655.40	552.60	722.30	522.30	38
39	-544.60	1837.00	747.50	537.20	792.40	514.40	39
40	-132.30	1574.00	916.40	552.60	722.30	475.40	40
41	-48.03	983.80	808.90	629.30	706.70	569.00	41
42	298.70	374.80	1031.00	237.90	808.00	187.10	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	69860SDY	69860ALT	EVENT
2	4587.00	10810.00	2
3	3755.00	2983.00	3
4	9162.00	14840.00	4
5	-1792.00	9151.00	5
6	-12050.00	13860.00	6
7	-3317.00	3290.00	7
8	15260.00	11790.00	8
9	-12470.00	16500.00	9
10	3478.00	19410.00	10
11	-5535.00	16780.00	11
12	-1653.00	13170.00	12
13	-5951.00	12480.00	13
14	-6228.00	14420.00	14
15	2091.00	11090.00	15
16	842.50	9567.00	16
17	-4980.00	9289.00	17
18	3061.00	11790.00	18
19	2923.00	10540.00	19
20	8607.00	11790.00	20
21	3062.00	20100.00	21
22	-2624.00	13030.00	22
23	-3039.00	12060.00	23
24	-3178.00	17750.00	24
25	14370.00	7903.00	25
26	23030.00	6239.00	26
27	24260.00	5824.00	27
28	7221.00	9290.00	28
29	8469.00	4437.00	29
30	45210.00	10950.00	30
31	44600.00	8457.00	31
32	44650.00	7626.00	32
33	44180.00	6455.00	33
34	49370.00	10400.00	34
35	44240.00	7487.00	35
36	45630.00	16360.00	36
37	39940.00	13450.00	37
38	10620.00	8319.00	38
39	8884.00	7071.00	39
40	-11220.00	8596.00	40
41	11800.00	7487.00	41
42	26490.00	4992.00	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	4.38	2.84	7.22	1.27	13.56	.32	2
17	2.91	2.77	7.43	-1.04	14.77	1.29	17
18	4.10	2.35	6.59	1.69	13.04	.28	18
19	4.10	3.12	7.50	.71	13.60	.93	19
20	4.17	3.96	8.13	.22	14.85	.57	20
21	4.26	9.05	13.31	-4.79	12.83	.89	21
23	1.09	2.56	3.65	-1.47	8.67	.12	23
24	1.16	1.30	2.46	-.13	8.67	.12	24
25	.71	3.36	4.07	-2.65	8.47	.16	25
26	1.06	.63	1.69	.43	8.59	.12	26
27	.88	3.05	3.93	-2.16	8.63	.16	27
28	3.58	3.36	7.01	.22	13.92	.53	28
29	4.80	2.70	7.50	.85	13.16	.73	29
30	3.94	5.64	10.09	-1.68	11.30	1.05	30
32	3.96	5.43	9.39	-1.47	12.07	.85	32
33	3.40	4.45	7.92	-1.04	12.11	.81	33
34	4.52	6.76	11.28	-2.44	13.84	.93	34
35	4.10	7.74	12.33	-3.64	12.67	1.21	35
36	4.28	5.74	10.23	-1.53	11.42	.69	36
37	2.07	4.10	6.45	-2.38	11.42	.93	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
1	**********	**********	**********	**********	**********	**********	1
2	18.51	6.31	1784.00	2956.00	13310.00	8377.00	2
17	11.38	7.12	1340.00	2217.00	10570.00	10430.00	17
18	17.64	6.07	601.00	2069.00	10920.00	9061.00	18
19	18.94	8.36	1488.00	2660.00	13140.00	9232.00	19
20	18.75	8.67	401.00	2955.00	8351.00	11280.00	20
21	17.58	19.26	-13290.00	16850.00	13140.00	12650.00	21
23	4.95	4.89	305.50	1774.00	4761.00	4958.00	23
24	5.13	3.34	453.00	1921.00	5103.00	5642.00	24
25	3.71	6.75	453.00	1921.00	3565.00	6155.00	25
26	4.14	2.23	453.50	1626.00	4932.00	3419.00	26
27	4.20	8.11	305.50	2365.00	4932.00	7180.00	27
28	15.14	11.02	1193.00	4138.00	12800.00	18810.00	28
29	15.22	11.45	1784.00	4729.00	13820.00	21880.00	29
30	14.17	8.91	10.00	5911.00	6984.00	24620.00	30
32	15.59	7.49	749.00	5763.00	8522.00	27180.00	32
33	14.05	6.19	896.50	6207.00	7497.00	24790.00	33
34	22.03	8.61	1340.00	5172.00	16220.00	21880.00	34
35	21.04	10.21	1192.00	5024.00	17750.00	22400.00	35
36	20.86	7.80	2523.00	4877.00	16040.00	23420.00	36
37	9.94	8.17	749.00	2512.00	9548.00	10090.00	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	3560.00	3072.00	1654.00	3084.00	-3387.00	3104.00	2
17	2199.00	3655.00	1342.00	2928.00	-3554.00	3188.00	17
18	2627.00	3305.00	1147.00	2421.00	-3471.00	3523.00	18
19	3832.00	3033.00	2122.00	1991.00	-2170.00	4656.00	19
20	2238.00	3772.00	990.40	2421.00	-2967.00	3943.00	20
21	3560.00	3850.00	1381.00	3045.00	-2296.00	4949.00	21
23	877.10	1867.00	131.40	1406.00	-450.50	1929.00	23
24	682.60	1828.00	-102.80	1171.00	-240.80	1384.00	24
25	332.60	1711.00	131.40	1406.00	-114.90	2600.00	25
26	721.50	1322.00	92.38	1210.00	94.78	1300.00	26
27	1305.00	2683.00	639.00	1601.00	52.84	2097.00	27
28	3988.00	5522.00	1693.00	5388.00	-3219.00	9311.00	28
29	6282.00	8128.00	2903.00	5974.00	-577.00	11530.00	29
30	3249.00	7428.00	-220.50	6833.00	-2548.00	8388.00	30
32	1071.00	10070.00	1615.00	5075.00	-2296.00	10150.00	32
33	-562.00	8983.00	-298.50	5506.00	-2590.00	8682.00	33
34	4649.00	7427.00	3138.00	6442.00	-2129.00	8976.00	34
35	6399.00	7855.00	2786.00	6091.00	-2129.00	10900.00	35
36	4027.00	8206.00	1615.00	5544.00	-1752.00	8934.00	36
37	2160.00	3694.00	639.00	2850.00	-3513.00	4236.00	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	-5607.00	4242.00	1274.00	8531.00	43100.00	8043.00	2
17	-4633.00	2891.00	-2082.00	8244.00	34770.00	8904.00	17
18	-3690.00	2640.00	1657.00	6422.00	42380.00	6176.00	18
19	-3942.00	3959.00	698.50	11020.00	42380.00	11630.00	19
20	-4099.00	3865.00	698.50	9874.00	42090.00	9335.00	20
21	-4978.00	3928.00	1945.00	10350.00	44680.00	10480.00	21
23	-202.40	1728.00	3191.00	2397.00	41800.00	3303.00	23
24	174.70	1163.00	1657.00	2205.00	42950.00	3303.00	24
25	-265.20	2042.00	2808.00	2972.00	42380.00	3591.00	25
26	17.56	942.60	2616.00	2588.00	43100.00	3734.00	26
27	394.60	1822.00	2424.00	2780.00	43100.00	4022.00	27
28	-3753.00	6976.00	-164.50	11690.00	40220.00	13500.00	28
29	-4225.00	9521.00	2616.00	14090.00	43670.00	15510.00	29
30	-2560.00	8421.00	3191.00	13710.00	41230.00	13070.00	30
32	-4476.00	8012.00	2328.00	12850.00	44240.00	16950.00	32
33	-2340.00	7259.00	3287.00	14000.00	41950.00	17810.00	33
34	-3659.00	9960.00	2137.00	15910.00	41520.00	15940.00	34
35	-4413.00	10400.00	2232.00	17930.00	42660.00	18530.00	35
36	-2654.00	8452.00	1849.00	12750.00	43380.00	15220.00	36
37	-4099.00	3865.00	1753.00	6710.00	41950.00	6894.00	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	**********	**********	**********	**********	**********	**********	1
2	37720.00	7890.00	212.10	906.20	-29.03	623.50	2
17	36740.00	10190.00	621.30	1082.00	-187.50	655.20	17
18	37890.00	6739.00	533.60	1169.00	-7.91	602.30	18
19	39530.00	10350.00	1118.00	1695.00	66.06	1205.00	19
20	38380.00	9862.00	767.50	1345.00	129.50	803.10	20
21	40190.00	10030.00	972.10	1082.00	108.30	845.40	21
23	38550.00	3781.00	1089.00	380.00	478.20	306.40	23
24	39040.00	3616.00	1147.00	438.50	541.60	285.30	24
25	39200.00	4109.00	1235.00	526.20	531.00	338.20	25
26	39200.00	4438.00	1089.00	438.50	509.90	274.80	26
27	39370.00	5260.00	1031.00	613.90	531.00	443.80	27
28	38050.00	14790.00	855.20	1491.00	-198.10	1300.00	28
29	41180.00	15610.00	796.70	1959.00	-7.91	1427.00	29
30	37070.00	13480.00	621.30	1783.00	-272.10	1458.00	30
32	42660.00	20380.00	767.50	1988.00	87.22	1501.00	32
33	35750.00	19720.00	1001.00	2163.00	182.30	1553.00	33
34	39530.00	17260.00	-255.60	2719.00	-684.20	1955.00	34
35	39200.00	19230.00	-460.30	2982.00	-1043.00	2420.00	35
36	39040.00	17420.00	1031.00	2017.00	-124.20	1331.00	36
37	37400.00	7561.00	1001.00	993.90	97.78	686.80	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 117
TMGW 24300 TMCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
1	########	########	########	########	########	########	1
2	117.80	541.00	958.10	222.10	949.80	224.70	2
17	61.84	466.40	973.40	298.70	926.60	201.50	17
18	229.80	410.40	950.50	229.80	911.10	263.50	18
19	136.50	615.70	858.50	260.40	849.10	310.00	19
20	33.88	569.00	996.40	291.00	942.10	294.50	20
21	-3.44	662.30	873.90	291.10	887.80	302.20	21
23	295.10	233.20	1073.00	137.90	748.40	116.30	23
24	285.80	186.60	1096.00	145.50	756.10	77.50	24
25	248.40	279.80	1119.00	153.20	740.60	155.00	25
26	276.40	214.50	1111.00	99.56	709.60	93.00	26
27	295.10	289.20	1104.00	199.20	709.60	139.50	27
28	89.81	848.90	919.80	428.90	949.80	581.20	28
29	-264.60	1185.00	835.60	589.80	771.60	697.40	29
30	211.10	1007.00	873.90	612.80	880.10	527.00	30
32	108.50	1017.00	1019.00	804.30	872.40	627.70	32
33	341.70	1007.00	1188.00	681.70	872.30	519.20	33
34	-1188.00	2090.00	751.30	582.10	833.60	557.90	34
35	-1384.00	2360.00	797.30	582.10	849.10	666.40	35
36	-199.30	1269.00	789.60	681.70	825.90	565.70	36
37	155.10	522.40	973.40	283.40	918.80	286.70	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	69860SDV	69860ALT	EVENT
1	**********	**********	1
2	1345.00	4973.00	2
17	-8325.00	8841.00	17
18	6593.00	3591.00	18
19	-2661.00	7597.00	19
20	-6391.00	5801.00	20
21	7422.00	7735.00	21
23	36430.00	2211.00	23
24	38780.00	1796.00	24
25	36570.00	2625.00	25
26	36980.00	1934.00	26
27	38500.00	2349.00	27
28	11700.00	7045.00	28
29	15850.00	9255.00	29
30	19720.00	10640.00	30
32	17090.00	10220.00	32
33	24000.00	10500.00	33
34	-4595.00	10080.00	34
35	5074.00	13120.00	35
36	1344.00	7735.00	36
37	19160.00	7874.00	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.63	7.62	12.25	-2.99	14.71	.97	2
3	4.59	7.59	12.25	-3.06	13.05	.93	3
5	4.70	8.04	12.74	-3.41	13.78	1.01	5
6	4.31	7.94	12.25	-3.69	14.38	1.05	6
7	4.18	8.28	12.46	-4.18	15.07	1.17	7
8	4.52	9.12	13.65	-4.60	14.99	1.41	8
9	4.56	7.20	11.76	-2.71	12.97	.85	9
10	4.39	6.40	10.78	-2.08	13.18	.72	10
11	4.10	5.91	10.15	-1.80	13.26	.64	11
12	4.39	5.98	10.57	-1.59	13.94	.68	12
13	4.49	5.80	10.36	-1.31	14.02	.68	13
15	4.52	7.24	11.90	-2.85	11.20	.85	15
16	4.39	6.54	10.99	-2.15	10.32	.76	16
17	4.56	5.87	10.43	-1.52	8.51	.64	17
18	5.01	7.24	12.39	-2.29	10.48	1.01	18
19	4.84	7.69	12.53	-2.85	15.47	1.09	19
20	4.80	6.05	11.27	-1.38	14.87	.81	20
21	5.68	8.11	13.79	-2.43	15.91	1.37	21
22	4.87	7.10	11.97	-2.29	13.18	.97	22
23	4.91	6.99	12.04	-2.57	13.70	1.01	23
24	4.49	7.62	12.53	-3.13	14.22	.97	24
25	6.97	9.33	16.30	-2.78	14.79	1.61	25
26	6.55	8.98	15.61	-3.90	15.11	1.45	26
27	5.36	7.38	12.95	-2.85	13.26	1.21	27
28	5.57	8.07	13.65	-2.78	12.97	1.17	28
29	5.61	7.90	13.51	-2.78	13.90	2.49	29
30	5.78	8.49	14.28	-2.78	14.38	2.57	30
31	5.10	9.88	14.98	-4.77	15.11	1.53	31
32	5.31	10.09	15.40	-4.77	14.87	1.61	32
33	5.78	10.52	16.30	-4.77	14.38	1.69	33
34	5.12	9.86	15.12	-4.77	13.94	1.41	34
35	4.28	8.60	12.95	-4.32	13.34	1.21	35
36	4.35	7.41	11.76	-3.06	13.42	.89	36
37	6.39	11.17	17.56	-4.77	13.78	1.81	37
38	5.28	10.05	15.33	-4.77	14.99	1.57	38
39	4.31	7.80	12.11	-3.48	12.37	1.37	39
40	3.97	7.94	12.11	-3.97	12.89	1.09	40
41	4.63	7.90	12.53	-3.34	12.21	1.69	41
42	4.52	7.66	12.18	-3.34	15.59	1.53	42
43	3.98	8.76	12.95	-4.77	14.18	1.17	43
44	4.42	8.74	13.16	-4.32	14.75	2.54	44
45	4.02	8.79	12.88	-4.77	13.82	1.29	45
46	3.76	4.37	8.48	-.68	7.50	.44	46
47	4.80	5.28	10.08	-1.17	7.50	.60	47
48	4.52	6.33	10.85	-1.80	7.54	.81	48
49	5.12	6.08	11.20	-1.24	7.50	1.09	49
50	5.82	5.73	11.55	-1.17	8.43	.97	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TAGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
51	5.71	5.98	11.69	-.61	9.91	1.01	51
52	4.77	6.50	11.27	-1.73	10.32	.85	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	1581.00	1919.00	15640.00	7852.00	2
3	1286.00	1919.00	16790.00	7362.00	3
5	1433.00	1771.00	16790.00	7035.00	5
6	990.50	1919.00	16620.00	7853.00	6
7	547.50	3247.00	16790.00	13580.00	7
8	253.00	4427.00	17280.00	20940.00	8
9	1433.00	1771.00	16130.00	8343.00	9
10	990.50	1624.00	15970.00	7198.00	10
11	1138.00	1771.00	15480.00	6708.00	11
12	1581.00	2214.00	18750.00	9652.00	12
13	842.50	3247.00	16790.00	11620.00	13
15	843.00	3542.00	12860.00	13910.00	15
16	990.50	3690.00	14010.00	12760.00	16
17	843.00	4427.00	10080.00	15710.00	17
18	1581.00	5460.00	11720.00	18980.00	18
19	1581.00	4280.00	17440.00	19140.00	19
20	990.50	3395.00	19080.00	13580.00	20
21	2614.00	7084.00	19570.00	31410.00	21
22	695.50	4870.00	13520.00	19790.00	22
23	-42.50	3247.00	14990.00	12760.00	23
24	1286.00	3394.00	15320.00	14400.00	24
25	695.50	6641.00	15640.00	27810.00	25
26	1286.00	5756.00	20550.00	26830.00	26
27	105.00	3099.00	14010.00	14400.00	27
28	695.00	3099.00	16620.00	13410.00	28
29	843.00	2656.00	14660.00	12430.00	29
30	695.00	3099.00	13840.00	13910.00	30
31	-4470.00	7969.00	14010.00	27810.00	31
32	-1223.00	8854.00	14010.00	25520.00	32
33	1000.00	3000.00	16620.00	25190.00	33
34	-14800.00	18300.00	14170.00	29280.00	34
35	695.50	2804.00	14500.00	8670.00	35
36	695.50	2509.00	15970.00	11120.00	36
37	-6683.00	13130.00	13840.00	27650.00	37
38	-8307.00	11510.00	15320.00	12430.00	38
39	253.00	2361.00	13190.00	10310.00	39
40	400.00	2804.00	11550.00	9652.00	40
41	695.50	3690.00	10570.00	14230.00	41
42	400.00	2804.00	14460.00	10960.00	42
43	-6536.00	9150.00	12210.00	10310.00	43
44	-190.00	3984.00	13520.00	14890.00	44
45	-15240.00	17860.00	11230.00	12920.00	45
46	-337.50	5313.00	8935.00	19790.00	46
47	-337.50	7674.00	12040.00	28790.00	47
48	547.50	7674.00	12210.00	24700.00	48
49	1433.00	6788.00	10570.00	26340.00	49
50	252.50	9445.00	17280.00	38930.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TAGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
51	-928.00	7969.00	12370.00	29120.00	51
52	400.00	4870.00	10730.00	20290.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	4908.00	3062.00	2896.00	3458.00	-5516.00	4946.00	2
3	4636.00	2636.00	2469.00	4196.00	-4972.00	5239.00	3
5	5295.00	3528.00	2585.00	4313.00	-5349.00	5030.00	5
6	5489.00	4187.00	2469.00	4429.00	-5601.00	4778.00	6
7	4907.00	6164.00	1925.00	5051.00	-6103.00	7209.00	7
8	4326.00	9149.00	1109.00	6489.00	-6271.00	9808.00	8
9	4520.00	2752.00	2313.00	3808.00	-4930.00	5113.00	9
10	4365.00	2597.00	2352.00	3147.00	-4595.00	5113.00	10
11	4481.00	2791.00	2391.00	2875.00	-4930.00	4778.00	11
12	5179.00	2791.00	2779.00	3264.00	-5349.00	4108.00	12
13	4071.00	4225.00	3129.00	4002.00	-3253.00	6874.00	13
15	4093.00	4652.00	991.50	5207.00	-3631.00	8340.00	15
16	4016.00	4264.00	953.00	5401.00	-4343.00	6874.00	16
17	3357.00	5543.00	-135.00	6411.00	-4972.00	5658.00	17
18	4093.00	6203.00	603.50	6917.00	-4972.00	8005.00	18
19	5605.00	6164.00	3867.00	4740.00	-5978.00	7586.00	19
20	5877.00	4186.00	3945.00	4585.00	-5433.00	8215.00	20
21	5876.00	10160.00	3557.00	6294.00	-4595.00	15000.00	21
22	5218.00	5776.00	3090.00	5517.00	-5643.00	10100.00	22
23	3512.00	4148.00	1925.00	4662.00	-5224.00	9431.00	23
24	4016.00	4264.00	2352.00	4934.00	-5475.00	10100.00	24
25	4636.00	11320.00	3090.00	5673.00	-5475.00	15800.00	25
26	5411.00	8684.00	3245.00	5906.00	-5559.00	15300.00	26
27	3783.00	3877.00	2002.00	4740.00	-6146.00	9011.00	27
28	4403.00	4497.00	2391.00	5284.00	-5182.00	9305.00	28
29	4753.00	4070.00	3285.00	4235.00	-4260.00	7042.00	29
30	4636.00	5350.00	3013.00	4507.00	-3506.00	8299.00	30
31	3667.00	9343.00	1730.00	5479.00	-5056.00	14380.00	31
32	4326.00	9149.00	1925.00	5439.00	-5308.00	13120.00	32
33	5062.00	9343.00	2119.00	6334.00	-5349.00	12830.00	33
34	5528.00	10740.00	1653.00	6023.00	-6314.00	14880.00	34
35	5412.00	4419.00	2119.00	4857.00	-5936.00	4694.00	35
36	4559.00	5350.00	2002.00	4352.00	-4636.00	6832.00	36
37	4442.00	9188.00	992.00	7849.00	-6020.00	15840.00	37
38	4908.00	5776.00	3129.00	5867.00	-5852.00	8550.00	38
39	4908.00	4613.00	2624.00	4352.00	-4134.00	5071.00	39
40	4714.00	4342.00	2313.00	4507.00	-4595.00	4610.00	40
41	4210.00	5698.00	1692.00	4973.00	-3003.00	8718.00	41
42	4636.00	5350.00	1303.00	5596.00	-6564.00	5826.00	42
43	4248.00	5350.00	1808.00	5090.00	-4679.00	6036.00	43
44	4907.00	7327.00	953.00	7188.00	-6523.00	7963.00	44
45	3590.00	6241.00	1847.00	5206.00	-3715.00	8257.00	45
46	2271.00	6862.00	292.50	6917.00	-3254.00	7377.00	46
47	3047.00	8103.00	759.00	8626.00	-5433.00	9975.00	47
48	2930.00	8296.00	214.50	8238.00	-6271.00	9053.00	48
49	3124.00	8723.00	1031.00	7033.00	-6649.00	9011.00	49
50	4248.00	12480.00	1453.00	8277.00	-8157.00	13790.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
51	3318.00	9072.00	1225.00	8781.00	-6817.00	11110.00	51
52	5102.00	6745.00	1691.00	6372.00	-4008.00	8550.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4065.00	3796.00	142.50	10990.00	37550.00	13450.00	2
3	-5532.00	4141.00	2532.00	10320.00	40980.00	10870.00	3
5	-7226.00	4078.00	1576.00	11090.00	40690.00	12020.00	5
6	-7602.00	3639.00	1385.00	11850.00	41410.00	13300.00	6
7	-7853.00	5960.00	620.00	15290.00	39980.00	16450.00	7
8	-7571.00	8689.00	3009.00	21120.00	45840.00	26890.00	8
9	-5563.00	3984.00	2341.00	10320.00	40840.00	10730.00	9
10	-4841.00	4141.00	1671.00	9079.00	41690.00	9870.00	10
11	-5281.00	3513.00	1767.00	9175.00	41550.00	9441.00	11
12	-5563.00	3482.00	1958.00	9939.00	41980.00	9298.00	12
13	-4654.00	6211.00	2914.00	11090.00	43120.00	10440.00	13
15	-3869.00	7623.00	4252.00	11660.00	43120.00	13300.00	15
16	-4026.00	6525.00	4729.00	11760.00	42270.00	13020.00	16
17	-3618.00	7184.00	3965.00	13280.00	42120.00	15160.00	17
18	-4717.00	9348.00	3774.00	16150.00	40840.00	17880.00	18
19	-4936.00	8438.00	1480.00	17300.00	41550.00	18310.00	19
20	-5657.00	8031.00	2818.00	13280.00	40840.00	14160.00	20
21	-5061.00	13960.00	1862.00	18640.00	41690.00	26170.00	21
22	-3776.00	9662.00	1672.00	15000.00	42690.00	16020.00	22
23	-3995.00	8501.00	3392.00	11370.00	41690.00	13300.00	23
24	-4779.00	9097.00	4156.00	12330.00	40690.00	15160.00	24
25	-5470.00	12050.00	2436.00	24940.00	41400.00	27600.00	25
26	-7006.00	12270.00	4156.00	20740.00	39980.00	23320.00	26
27	-5688.00	7623.00	3105.00	13000.00	41260.00	14880.00	27
28	-4873.00	7246.00	3870.00	13380.00	41550.00	14020.00	28
29	-5657.00	5584.00	1098.00	15580.00	38550.00	19600.00	29
30	-7508.00	7184.00	2531.00	16820.00	39830.00	21460.00	30
31	-5564.00	11890.00	4252.00	25800.00	42120.00	30890.00	31
32	-4786.00	10850.00	4347.00	25520.00	47120.00	30460.00	32
33	-7414.00	10480.00	1098.00	26860.00	42980.00	35180.00	33
34	-5658.00	12230.00	5494.00	27430.00	47560.00	31750.00	34
35	-7132.00	4172.00	2149.00	12620.00	41690.00	13590.00	35
36	-4724.00	4956.00	3200.00	14240.00	42980.00	16020.00	36
37	-3932.00	12960.00	6354.00	25230.00	53990.00	28750.00	37
38	-7477.00	6839.00	1098.00	23030.00	42120.00	26890.00	38
39	-4967.00	4831.00	2723.00	12230.00	42120.00	13450.00	39
40	-5500.00	4988.00	2340.00	12810.00	41260.00	13450.00	40
41	-2803.00	8187.00	2149.00	17200.00	40980.00	20030.00	41
42	-7602.00	5458.00	1863.00	15390.00	41260.00	18310.00	42
43	-4904.00	6713.00	2054.00	13860.00	41840.00	16880.00	43
44	-7226.00	7403.00	1480.00	27620.00	39830.00	29750.00	44
45	-3493.00	9003.00	907.00	17300.00	41840.00	19170.00	45
46	-4654.00	7403.00	2054.00	13670.00	46700.00	16310.00	46
47	-4999.00	10070.00	1193.00	16630.00	46550.00	21020.00	47
48	-4222.00	7717.00	811.00	17590.00	46690.00	20880.00	48
49	-6724.00	8909.00	5972.00	19690.00	43980.00	22170.00	49
50	-5344.00	10790.00	3296.00	26190.00	48410.00	27460.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
51	-5124.00	10570.00	4347.00	20930.00	49270.00	28030.00	51
52	-3180.00	9568.00	3774.00	15200.00	42410.00	19740.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	31190.00	12440.00	-1217.00	1547.00	-494.50	1351.00	2
3	33150.00	9491.00	-953.90	1752.00	-516.10	1567.00	3
5	32330.00	9983.00	-837.20	2160.00	-580.90	1869.00	5
6	32820.00	10800.00	-486.80	2452.00	-483.70	2032.00	6
7	33320.00	13580.00	-662.00	2861.00	-656.60	2356.00	7
8	37570.00	27980.00	-983.50	6394.00	-1138.00	4414.00	8
9	33150.00	10150.00	-224.10	1430.00	-343.20	1351.00	9
10	33640.00	9328.00	97.00	1285.00	-83.84	1178.00	10
11	35280.00	9000.00	155.40	1168.00	153.90	1070.00	11
12	36420.00	9492.00	243.00	1197.00	13.44	1016.00	12
13	37080.00	10150.00	-107.30	1839.00	-321.60	1286.00	13
15	35610.00	10960.00	-194.90	1985.00	-483.70	1729.00	15
16	34300.00	10640.00	-282.50	1898.00	-537.70	1761.00	16
17	33810.00	11130.00	-136.50	2394.00	-591.70	1880.00	17
18	34620.00	16530.00	-136.50	2452.00	-397.20	2183.00	18
19	34790.00	18660.00	38.63	1518.00	-375.60	1189.00	19
20	34100.00	14070.00	-107.30	2657.00	-797.00	2064.00	20
21	37080.00	25860.00	-1217.00	3883.00	-1813.00	3231.00	21
22	37410.00	16040.00	-224.10	2540.00	-721.40	1945.00	22
23	34300.00	12600.00	67.81	1547.00	-202.70	1383.00	23
24	33640.00	13580.00	-457.60	1956.00	-613.30	1815.00	24
25	33320.00	27980.00	-983.50	5401.00	-1522.00	3783.00	25
26	32500.00	22580.00	-1392.00	4058.00	-2007.00	2821.00	26
27	32990.00	13910.00	-165.70	1547.00	-191.90	1329.00	27
28	32500.00	15380.00	-224.10	1956.00	-472.80	1588.00	28
29	31680.00	18820.00	301.40	1839.00	-440.40	1578.00	29
30	32330.00	18820.00	-486.80	3211.00	-1208.00	2691.00	30
31	35120.00	28470.00	-925.00	5868.00	-1084.00	4468.00	31
32	37410.00	27820.00	-1685.00	6277.00	-899.90	4652.00	32
33	38220.00	35180.00	-1217.00	5576.00	-910.70	4641.00	33
34	38220.00	27980.00	-1713.00	6656.00	-1116.00	4436.00	34
35	33480.00	10800.00	-48.94	2540.00	-505.30	2183.00	35
36	34130.00	12440.00	184.60	2306.00	-354.00	1967.00	36
37	43300.00	32400.00	-2852.00	8145.00	-759.40	4793.00	37
38	33810.00	24220.00	-253.30	3153.00	-926.70	3036.00	38
39	35120.00	11450.00	184.60	2306.00	-364.80	1913.00	39
40	34130.00	10150.00	155.40	2102.00	-451.30	1826.00	40
41	32990.00	18820.00	272.20	3036.00	-224.30	2269.00	41
42	35120.00	16040.00	330.60	3503.00	-343.20	2756.00	42
43	34300.00	15220.00	213.80	2803.00	-462.10	2334.00	43
44	32500.00	24870.00	-224.50	4409.00	-602.50	2907.00	44
45	33640.00	17510.00	213.80	2861.00	-62.22	2388.00	45
46	37900.00	14890.00	359.80	2248.00	-213.50	1740.00	46
47	37240.00	19150.00	359.80	2598.00	-548.50	2248.00	47
48	36420.00	19960.00	301.40	2598.00	-602.50	2194.00	48
49	33970.00	22090.00	272.20	2686.00	-256.70	2086.00	49
50	40020.00	27820.00	213.50	4438.00	-753.90	3901.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
51	39370.00	25530.00	943.60	2598.00	-472.80	2150.00	51
52	34790.00	21600.00	-165.70	2073.00	-483.70	1556.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-6.81	919.30	716.70	206.70	1049.00	316.80	2
3	-6.78	993.50	816.30	168.40	1026.00	324.50	3
5	11.78	1161.00	770.30	168.40	1034.00	316.80	5
6	30.34	1198.00	747.30	191.40	1057.00	309.10	6
7	197.50	1551.00	770.30	336.80	1088.00	463.60	7
8	-471.10	2498.00	739.70	612.50	1080.00	625.80	8
9	-6.78	993.50	808.60	222.00	1018.00	316.80	9
10	169.60	817.10	793.30	176.10	995.20	324.50	10
11	290.30	826.40	785.60	168.40	995.20	293.60	11
12	141.80	752.10	709.10	229.70	1018.00	255.00	12
13	-452.50	1235.00	739.70	321.50	902.50	401.80	13
15	197.50	1291.00	846.90	367.50	948.90	509.90	15
16	141.80	1216.00	877.50	290.90	964.30	448.10	16
17	-34.66	1337.00	961.70	359.80	1026.00	370.90	17
18	132.50	1857.00	923.50	428.70	1119.00	494.50	18
19	-99.66	1012.00	724.40	505.30	1049.00	471.30	19
20	-1028.00	1848.00	732.10	359.80	1011.00	509.90	20
21	-935.30	2702.00	732.10	803.90	925.70	965.80	21
22	-1093.00	2043.00	808.60	467.00	1042.00	633.60	22
23	-62.50	1662.00	808.60	329.20	987.50	594.90	23
24	-387.50	2117.00	739.70	352.20	972.00	625.80	24
25	-656.80	3129.00	686.10	757.90	1049.00	965.80	25
26	-628.90	2433.00	647.80	673.70	1042.00	958.10	26
27	-164.70	1504.00	808.60	375.10	1042.00	556.30	27
28	-25.38	1328.00	846.90	367.50	1003.00	564.00	28
29	2.50	1151.00	770.30	367.50	941.10	440.40	29
30	-1010.00	2386.00	793.30	375.10	894.80	533.10	30
31	-628.90	3176.00	770.30	627.80	1026.00	896.30	31
32	-693.90	3315.00	716.80	574.20	1018.00	842.20	32
33	-499.30	3659.00	716.80	604.80	1042.00	819.00	33
34	-517.50	3491.00	724.40	719.70	1057.00	942.60	34
35	-6.81	1402.00	747.30	237.30	1057.00	309.10	35
36	48.91	1161.00	800.90	260.30	995.20	432.70	36
37	-1154.00	3626.00	801.00	673.70	1103.00	973.50	37
38	-545.30	2052.00	831.60	352.20	1057.00	556.30	38
39	21.06	1133.00	755.00	275.60	956.60	332.30	39
40	-25.38	1086.00	823.90	252.70	1026.00	293.60	40
41	197.50	1458.00	816.30	367.50	863.90	548.60	41
42	151.10	1690.00	816.30	275.60	1096.00	363.20	42
43	76.78	1356.00	808.60	298.60	987.50	378.60	43
44	-108.90	1783.00	908.20	413.40	1088.00	479.00	44
45	151.10	1597.00	793.30	375.10	910.20	533.10	45
46	262.50	1300.00	1123.00	459.40	1034.00	471.30	46
47	318.20	1746.00	1138.00	643.10	1173.00	625.80	47
48	21.06	1634.00	1084.00	543.60	1142.00	564.00	48
49	76.75	1746.00	977.00	727.30	1127.00	579.50	49
50	-508.20	2572.00	1031.00	903.40	1374.00	857.60	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
51	-368.90	1820.00	1130.00	681.30	1003.00	703.10	51
52	-452.50	1514.00	732.10	543.60	917.90	556.30	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TAGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	69860SDY	69860ALT	EVENT
2	-5476.00	8983.00	2
3	5304.00	9260.00	3
5	328.50	9813.00	5
6	-3956.00	9951.00	6
7	-8655.00	11060.00	7
8	-6305.00	15620.00	8
9	5027.00	8983.00	9
10	4337.00	7187.00	10
11	3508.00	6634.00	11
12	-2574.00	6910.00	12
13	-3818.00	7049.00	13
15	18020.00	8707.00	15
16	24240.00	8292.00	16
17	26120.00	7463.00	17
18	29770.00	10230.00	18
19	-7411.00	11190.00	19
20	-8517.00	9260.00	20
21	-12800.00	12710.00	21
22	3784.00	10230.00	22
23	52.00	9536.00	23
24	2402.00	9951.00	24
25	-4647.00	13960.00	25
26	-9346.00	14230.00	26
27	-3403.00	10500.00	27
28	6548.00	11330.00	28
29	-1192.00	19350.00	29
30	-4785.00	19900.00	30
31	-7549.00	14650.00	31
32	-6720.00	15480.00	32
33	-2574.00	17970.00	33
34	-1330.00	15340.00	34
35	3507.00	10780.00	35
36	2402.00	8845.00	36
37	1020.00	19620.00	37
38	-6444.00	14930.00	38
39	10560.00	11470.00	39
40	7930.00	9675.00	40
41	4198.00	15060.00	41
42	4060.00	13540.00	42
43	-224.50	11470.00	43
44	-4371.00	21140.00	44
45	1849.00	11890.00	45
46	51050.00	6358.00	46
47	49530.00	8154.00	47
48	47040.00	9260.00	48
49	44970.00	12160.00	49
50	41790.00	12850.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	69860SDY	69860ALT	FVENT
51	4R010.00	9674.00	51
52	-639.00	9121.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.41	2.25	6.67	1.95	13.68	.25	2
3	4.52	6.02	10.54	-1.57	14.70	.78	3
4	4.66	7.29	12.02	-2.91	15.32	.98	4
5	4.24	6.16	10.47	-1.93	15.40	.73	5
6	4.80	6.37	11.17	-1.85	15.28	.86	6
7	4.41	6.55	10.96	-2.35	15.23	.82	7
8	4.38	5.74	10.26	-1.36	15.44	.69	8
9	4.24	7.22	11.46	-2.98	14.87	.86	9
10	4.38	7.22	11.60	-2.84	12.91	.86	10
11	4.34	7.25	11.60	-2.91	12.78	.90	11
12	4.17	3.13	7.30	1.03	12.99	.53	12
13	4.38	3.91	8.29	.33	13.56	.70	13
14	4.31	4.26	8.57	.05	13.52	.74	14
15	3.95	2.99	7.02	.96	13.31	.61	15
16	3.99	2.82	6.88	1.17	13.72	.61	16
17	4.13	2.89	7.02	1.10	14.34	.57	17
18	4.27	3.59	7.86	.68	14.75	.57	18
19	4.27	3.59	7.86	.47	13.35	.65	19
20	3.92	3.73	7.79	.19	13.97	.61	20
21	5.22	3.98	9.20	.47	13.72	1.51	21
22	4.10	4.61	8.71	-.52	13.52	.65	22
23	4.41	4.86	9.27	-1.36	13.60	1.06	23
24	4.94	6.58	11.67	-1.64	13.44	1.23	24
25	4.41	5.28	9.69	-.87	12.99	1.02	25
26	4.45	3.70	8.15	.54	14.09	1.64	26
28	4.20	3.73	8.07	.47	12.99	.61	28
29	4.10	2.78	6.88	1.24	12.95	.49	29
30	4.13	4.51	8.64	-.38	12.33	1.27	30
31	3.99	3.73	7.72	.19	12.46	1.06	31
32	4.34	4.72	9.06	-.38	13.07	1.92	32
33	4.20	5.07	9.48	-.87	15.15	.98	33
34	5.12	4.79	9.91	.05	13.93	.98	34
35	4.34	3.94	8.43	.40	14.99	.98	35
36	4.38	3.06	7.44	.68	14.50	1.15	36
37	4.41	3.52	7.93	.68	14.30	1.19	37
38	4.24	3.35	7.58	.75	11.43	.53	38
39	3.25	2.64	6.10	.54	9.10	.41	39
40	3.60	2.64	6.45	.54	8.94	.49	40
41	5.15	4.75	9.91	.33	12.54	1.06	41
42	3.29	4.65	7.93	-1.36	7.88	.49	42
43	3.29	5.00	8.29	-1.71	7.26	.53	43
44	2.86	3.73	7.37	-.94	8.45	.57	44
45	3.53	2.64	6.17	.40	8.12	.33	45
46	3.53	3.70	7.72	-.94	8.73	.70	46
47	2.93	3.87	6.81	-.94	7.63	.41	47
48	2.79	4.72	7.51	-1.93	7.59	.45	48
49	3.07	3.87	7.09	-.87	8.08	.53	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
50	4.69	3.73	8.43	.12	8.32	.78	50
51	4.55	5.70	10.75	-1.29	7.26	.78	51
52	4.41	5.77	10.40	-1.99	7.92	.78	52
53	5.40	7.04	12.44	-2.14	9.10	1.31	53
54	6.17	6.13	12.30	-.16	8.37	.98	54
56	4.38	7.15	11.60	-2.98	11.80	.82	56
57	4.17	7.43	11.81	-3.26	12.33	.86	57
59	4.31	6.94	11.24	-2.77	13.35	.98	59
60	4.03	6.94	11.10	-2.98	13.72	.94	60
61	4.13	7.32	11.46	-3.47	14.42	1.15	61
62	4.06	7.25	11.31	-3.26	14.58	1.15	62
63	5.15	6.80	12.23	-1.78	11.88	1.06	63
64	4.77	6.06	10.82	-1.57	15.28	.86	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	12.00	2.43	1059.00	3407.00	9482.00	13110.00	2
3	13.56	3.57	1652.00	2222.00	11870.00	9025.00	3
4	13.77	2.51	1800.00	1778.00	14590.00	7323.00	4
5	13.59	2.59	1652.00	1926.00	15780.00	7493.00	5
6	13.90	2.64	1356.00	1630.00	15100.00	7153.00	6
7	14.19	2.67	1356.00	1926.00	15270.00	6301.00	7
8	14.17	2.64	1356.00	1630.00	15270.00	5960.00	8
9	14.33	2.59	1208.00	1778.00	15610.00	6301.00	9
10	13.30	2.46	614.50	1778.00	15780.00	7834.00	10
11	13.09	2.62	615.00	2074.00	15780.00	8855.00	11
12	13.53	4.07	1356.00	4297.00	15780.00	15330.00	12
13	13.98	4.31	1504.00	3852.00	17490.00	16010.00	13
14	14.35	4.36	466.50	4000.00	15950.00	15160.00	14
15	13.61	4.36	1208.00	4741.00	13570.00	15500.00	15
16	13.88	4.31	1059.00	4000.00	12380.00	14650.00	16
17	14.33	4.34	1060.00	4593.00	12890.00	15160.00	17
18	14.41	4.10	-866.50	4741.00	11190.00	16520.00	18
19	14.25	4.63	1208.00	5037.00	12210.00	14820.00	19
20	14.49	4.92	1059.00	4000.00	15270.00	14470.00	20
21	12.74	5.71	318.50	5037.00	9312.00	18050.00	21
22	13.14	5.31	170.50	3704.00	11360.00	14650.00	22
23	13.69	6.93	1356.00	4000.00	16630.00	17540.00	23
24	13.56	5.10	466.50	8741.00	15950.00	38310.00	24
25	14.70	4.86	911.00	5037.00	13740.00	23500.00	25
26	15.33	4.81	318.50	3852.00	18170.00	17370.00	26
28	13.51	5.00	-570.50	5037.00	11700.00	19070.00	28
29	13.38	4.02	318.50	3556.00	16120.00	14650.00	29
30	14.38	6.08	1060.00	3704.00	15780.00	13280.00	30
31	14.38	5.13	-126.00	3111.00	15780.00	13960.00	31
32	13.61	6.11	1356.00	4000.00	20040.00	17200.00	32
33	14.28	4.97	-274.00	5926.00	13230.00	26050.00	33
34	14.94	5.47	22.00	6222.00	15610.00	26390.00	34
35	14.33	4.55	22.00	4148.00	11870.00	14130.00	35
36	15.36	4.52	911.00	3852.00	11870.00	14470.00	36
37	15.44	4.71	911.00	4444.00	12380.00	16690.00	37
38	11.45	4.10	1356.00	3408.00	12550.00	12430.00	38
39	8.04	4.49	-126.00	3407.00	10330.00	11580.00	39
40	7.35	4.44	22.50	3556.00	10500.00	13110.00	40
41	14.06	4.55	911.50	4741.00	11870.00	17540.00	41
42	7.32	5.05	-422.00	5185.00	8971.00	20090.00	42
43	7.69	5.10	-718.50	4889.00	9653.00	17370.00	43
44	9.25	4.92	318.50	7111.00	13230.00	25710.00	44
45	6.71	4.44	-422.00	4296.00	7780.00	15160.00	45
46	9.20	4.92	-126.00	5185.00	12550.00	21970.00	46
47	6.90	4.73	-274.00	5037.00	10160.00	17200.00	47
48	6.53	5.47	-866.50	4741.00	9652.00	16010.00	48
49	6.13	4.97	-422.00	5481.00	10330.00	20430.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
50	10.10	4.97	466.50	6667.00	15270.00	27420.00	50
51	6.27	3.89	763.00	6370.00	12210.00	22990.00	51
52	8.01	3.99	-274.00	6814.00	9312.00	23840.00	52
53	8.17	3.25	1059.00	7259.00	14590.00	31840.00	53
54	5.47	3.62	1356.00	6370.00	14250.00	26390.00	54
56	11.29	2.62	22.00	2963.00	12380.00	11580.00	56
57	11.76	2.04	615.00	2074.00	12040.00	8855.00	57
59	13.14	1.51	170.50	2519.00	12720.00	8855.00	59
60	13.56	2.09	318.50	2667.00	12210.00	8004.00	60
61	14.43	2.59	22.00	3259.00	12210.00	11070.00	61
62	14.88	2.56	318.50	2371.00	13400.00	6812.00	62
63	10.28	3.99	1356.00	6963.00	12040.00	29290.00	63
64	13.16	3.81	-126.00	4592.00	13570.00	18560.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	2331.00	4787.00	1452.00	2640.00	-3421.00	3867.00	2
3	4316.00	4204.00	1956.00	3222.00	-3295.00	4077.00	3
4	5795.00	2725.00	3004.00	3183.00	-5649.00	4665.00	4
5	5250.00	2880.00	3005.00	2406.00	-5649.00	3825.00	5
6	5056.00	2763.00	2888.00	2833.00	-5565.00	4581.00	6
7	5445.00	2607.00	3043.00	2523.00	-5565.00	3993.00	7
8	5017.00	2491.00	2810.00	2368.00	-5187.00	3614.00	8
9	5406.00	2335.00	2965.00	2523.00	-5061.00	4245.00	9
10	4355.00	2374.00	2500.00	3609.00	-3842.00	5968.00	10
11	4160.00	2725.00	2150.00	3959.00	-3842.00	6472.00	11
12	3927.00	4359.00	1724.00	5007.00	-5355.00	7901.00	12
13	5017.00	5761.00	1607.00	4192.00	-4725.00	6263.00	13
14	4939.00	5215.00	2073.00	4036.00	-4725.00	6010.00	14
15	4005.00	4437.00	1491.00	4153.00	-5103.00	8069.00	15
16	3693.00	3970.00	2267.00	3920.00	-5061.00	7271.00	16
17	4005.00	4515.00	2267.00	3920.00	-4767.00	9078.00	17
18	3771.00	4126.00	2694.00	4890.00	-3884.00	9708.00	18
19	3888.00	4554.00	1452.00	5123.00	-5733.00	8028.00	19
20	4316.00	4359.00	2151.00	4580.00	-6490.00	7439.00	20
21	3459.00	7240.00	2034.00	5162.00	-3338.00	7649.00	21
22	3576.00	4554.00	2073.00	4580.00	-5565.00	6430.00	22
23	5523.00	6500.00	1956.00	5007.00	-6532.00	7565.00	23
24	5250.00	13000.00	791.50	8579.00	-4977.00	16770.00	24
25	2993.00	8486.00	1413.00	5784.00	-5440.00	9751.00	25
26	4316.00	5060.00	2966.00	5240.00	-6111.00	7397.00	26
28	5406.00	5527.00	2577.00	5706.00	-4977.00	7187.00	28
29	3693.00	4749.00	1879.00	4541.00	-4598.00	6305.00	29
30	2759.00	5994.00	2422.00	4774.00	-5229.00	8280.00	30
31	3927.00	5449.00	1762.00	4425.00	-2875.00	5590.00	31
32	5873.00	6383.00	1646.00	6095.00	-6237.00	8700.00	32
33	4574.00	7318.00	4052.00	6482.00	-3128.00	10890.00	33
34	6107.00	8096.00	3005.00	6676.00	-4515.00	10680.00	34
35	5094.00	4671.00	2383.00	4425.00	-6196.00	9162.00	35
36	4627.00	4982.00	2539.00	4813.00	-4935.00	9330.00	36
37	5445.00	5721.00	3005.00	4735.00	-4053.00	9625.00	37
38	3148.00	3114.00	1801.00	3843.00	-3674.00	7061.00	38
39	3732.00	5177.00	1646.00	4774.00	-4472.00	5086.00	39
40	3265.00	5644.00	1258.00	4541.00	-5355.00	5043.00	40
41	3927.00	6072.00	3276.00	5085.00	-4556.00	7944.00	41
42	3265.00	6734.00	869.50	4464.00	-5565.00	5758.00	42
43	2914.00	6695.00	714.00	4541.00	-4388.00	7103.00	43
44	4939.00	8641.00	2267.00	4696.00	-5817.00	7691.00	44
45	2370.00	5215.00	1491.00	4308.00	-4598.00	3615.00	45
46	4549.00	8330.00	1568.00	5240.00	-5187.00	7145.00	46
47	3109.00	6267.00	947.00	4541.00	-4766.00	5212.00	47
48	3071.00	5916.00	364.50	4969.00	-4136.00	5254.00	48
49	3771.00	7084.00	1529.00	4503.00	-5817.00	5506.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
50	3421.00	9693.00	1103.00	6017.00	-5986.00	10720.00	50
51	2681.00	8252.00	170.50	4620.00	-5817.00	7355.00	51
52	2604.00	10590.00	675.00	5900.00	-6279.00	6977.00	52
53	3265.00	10320.00	714.00	5706.00	-8717.00	10340.00	53
54	4628.00	9576.00	558.50	6871.00	-5271.00	8658.00	54
56	3576.00	3776.00	1956.00	4619.00	-5313.00	5758.00	56
57	4627.00	3425.00	2112.00	4929.00	-5313.00	5001.00	57
59	4978.00	4398.00	1918.00	4813.00	-5565.00	4329.00	59
60	5017.00	4359.00	1840.00	5046.00	-5355.00	3867.00	60
61	4705.00	5839.00	1607.00	5978.00	-6027.00	5380.00	61
62	4744.00	4788.00	1685.00	5667.00	-4977.00	4413.00	62
63	3304.00	9109.00	1141.00	7375.00	-6406.00	10300.00	63
64	4705.00	6617.00	1918.00	7065.00	-2539.00	7859.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TAGW 24300 TACG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-3671.00	3170.00	-69.50	8436.00	34590.00	12690.00	2
3	-5397.00	3641.00	1656.00	9970.00	39500.00	10960.00	3
4	-6903.00	3390.00	1081.00	11120.00	40220.00	11970.00	4
5	-4307.00	2668.00	1464.00	9586.00	40940.00	10100.00	5
6	-4495.00	3484.00	1561.00	10070.00	43250.00	11250.00	6
7	-4558.00	2794.00	793.50	9491.00	43680.00	11110.00	7
8	-6118.00	2480.00	2040.00	8628.00	44980.00	9808.00	8
9	-4119.00	3108.00	1081.00	9970.00	45270.00	11540.00	9
10	-4047.00	5493.00	2519.00	9491.00	46560.00	11110.00	10
11	-3702.00	6591.00	2231.00	9778.00	45990.00	11970.00	11
12	-5083.00	6215.00	5395.00	10640.00	46560.00	12840.00	12
13	-4746.00	5179.00	2902.00	13710.00	45700.00	14860.00	13
14	-4747.00	4865.00	3669.00	12940.00	44540.00	13700.00	14
15	-4173.00	7439.00	2902.00	11600.00	44830.00	13120.00	15
16	-5145.00	6278.00	3477.00	11020.00	44540.00	13410.00	16
17	-4769.00	9165.00	3669.00	11980.00	44830.00	13700.00	17
18	-5271.00	8789.00	3861.00	12370.00	47430.00	13990.00	18
19	-5711.00	6340.00	3861.00	12560.00	47000.00	13850.00	19
20	-4424.00	7439.00	2423.00	13420.00	44830.00	14570.00	20
21	-4675.00	7376.00	1177.00	16010.00	44260.00	17160.00	21
22	-3828.00	5838.00	3478.00	13710.00	45700.00	14570.00	22
23	-5208.00	7533.00	1273.00	16870.00	43100.00	21490.00	23
24	-4675.00	12400.00	122.50	29530.00	46270.00	32160.00	24
25	-4707.00	8977.00	5874.00	17260.00	48440.00	20770.00	25
26	-5648.00	6215.00	2807.00	13040.00	44110.00	14130.00	26
28	-3169.00	8695.00	1848.00	14190.00	44980.00	17020.00	28
29	-4989.00	5493.00	5107.00	12080.00	46560.00	14280.00	29
30	-5616.00	6623.00	3669.00	13900.00	46420.00	16730.00	30
31	-6621.00	4991.00	3957.00	13610.00	46130.00	15580.00	31
32	-4800.00	7314.00	2615.00	21090.00	41080.00	25810.00	32
33	-2509.00	11990.00	1848.00	19360.00	42090.00	24810.00	33
34	-5146.00	10040.00	-357.00	18310.00	44110.00	23650.00	34
35	-3639.00	8349.00	1273.00	16100.00	41520.00	18750.00	35
36	-3985.00	8318.00	4340.00	13800.00	47570.00	14710.00	36
37	-3577.00	8412.00	4149.00	16490.00	47140.00	17160.00	37
38	-4518.00	5712.00	4532.00	11120.00	44980.00	13560.00	38
39	-4737.00	4740.00	5683.00	12850.00	48440.00	14130.00	39
40	-4392.00	5148.00	6545.00	12560.00	48150.00	14420.00	40
41	-4235.00	8067.00	4820.00	20040.00	44400.00	21340.00	41
42	-5742.00	5493.00	8271.00	14860.00	53050.00	19030.00	42
43	-5616.00	5179.00	7695.00	14090.00	53910.00	17590.00	43
44	-5993.00	7125.00	5395.00	19080.00	55650.00	22790.00	44
45	-4957.00	3516.00	5970.00	10260.00	50170.00	12400.00	45
46	-5428.00	7376.00	10380.00	19650.00	55210.00	22640.00	46
47	-4737.00	4740.00	5299.00	13230.00	54200.00	16730.00	47
48	-3294.00	4614.00	6929.00	11600.00	53630.00	14420.00	48
49	-4989.00	5995.00	7600.00	17060.00	54060.00	20910.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
50	-5491.00	8631.00	6928.00	22340.00	51900.00	27980.00	50
51	-4424.00	6309.00	3669.00	16780.00	47570.00	19320.00	51
52	-5208.00	6780.00	6929.00	17160.00	48150.00	18170.00	52
53	-3702.00	8788.00	6353.00	20990.00	53480.00	24660.00	53
54	-7029.00	7156.00	1177.00	18500.00	45980.00	21490.00	54
56	-5240.00	3986.00	4819.00	10450.00	42960.00	11540.00	56
57	-4118.00	4175.00	5012.00	10830.00	44260.00	11110.00	57
59	-7060.00	3610.00	4245.00	11600.00	43250.00	12690.00	59
60	-4684.00	3484.00	3574.00	12080.00	43820.00	12980.00	60
61	-7782.00	4897.00	2519.00	15240.00	42530.00	17450.00	61
62	-4464.00	3892.00	4915.00	14570.00	44830.00	17450.00	62
63	-6590.00	7784.00	5395.00	20040.00	47280.00	22500.00	63
64	-4181.00	7565.00	1752.00	15240.00	39350.00	19470.00	64

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	30590.00	14020.00	-351.20	1311.00	-35.59	639.40	2
3	36030.00	10230.00	-172.40	1132.00	-284.80	888.70	3
4	33070.00	10560.00	66.03	1430.00	-458.30	1235.00	4
5	35700.00	8576.00	185.20	1013.00	-187.30	812.80	5
6	37020.00	9896.00	364.00	1192.00	-198.20	975.30	6
7	37520.00	9731.00	542.80	1073.00	-187.30	921.20	7
8	38340.00	8246.00	721.70	894.00	-78.94	769.40	8
9	38840.00	10390.00	840.90	1132.00	-176.50	1019.00	9
10	39990.00	10230.00	1020.00	1371.00	-165.60	1311.00	10
11	39990.00	10890.00	1198.00	1490.00	-111.40	1431.00	11
12	39330.00	11540.00	1020.00	1788.00	-274.00	1680.00	12
13	38510.00	14350.00	930.30	2056.00	-198.10	1756.00	13
14	37520.00	12040.00	1079.00	1967.00	-306.50	1842.00	14
15	37850.00	11380.00	751.50	1699.00	-360.70	1528.00	15
16	37680.00	12200.00	840.90	1609.00	-165.60	1225.00	16
17	38510.00	13690.00	811.00	1818.00	-274.00	1550.00	17
18	38510.00	13360.00	662.00	3159.00	-729.20	2720.00	18
19	37850.00	12370.00	1020.00	1967.00	-479.90	1886.00	19
20	37850.00	11710.00	1347.00	1937.00	-393.20	1734.00	20
21	37190.00	14680.00	1288.00	2772.00	-349.90	2363.00	21
22	38670.00	12200.00	1347.00	1758.00	-46.44	1647.00	22
23	37520.00	19960.00	1586.00	2474.00	51.09	2178.00	23
24	44440.00	23480.00	95.50	9030.00	-236.50	5327.00	24
25	38510.00	18310.00	661.80	4112.00	-1466.00	3978.00	25
26	42300.00	11870.00	1198.00	2324.00	-631.70	1929.00	26
28	39330.00	13190.00	960.10	2086.00	-339.00	1983.00	28
29	40320.00	10890.00	1377.00	1788.00	-263.20	1431.00	29
30	38510.00	13360.00	1824.00	2414.00	-89.78	1929.00	30
31	37520.00	12700.00	1139.00	2205.00	-198.10	1777.00	31
32	33230.00	22590.00	1258.00	3039.00	-978.40	2254.00	32
33	41310.00	26710.00	930.30	3010.00	-761.70	2384.00	33
34	43290.00	25070.00	1049.00	2593.00	-718.30	2276.00	34
35	38340.00	20450.00	721.60	3040.00	-978.40	3078.00	35
36	39990.00	13190.00	1556.00	2146.00	-479.90	2276.00	36
37	39330.00	15170.00	1705.00	2354.00	-241.50	2276.00	37
38	40820.00	13690.00	1198.00	1669.00	-122.30	1615.00	38
39	41640.00	14840.00	1109.00	1877.00	-306.50	1496.00	39
40	39990.00	12860.00	1347.00	1699.00	-295.70	1225.00	40
41	39830.00	19630.00	1109.00	2235.00	-620.80	2200.00	41
42	43290.00	17810.00	2003.00	1877.00	-100.60	1398.00	42
43	43290.00	16490.00	1824.00	1877.00	-209.00	1311.00	43
44	43620.00	19460.00	1765.00	1937.00	-89.78	2124.00	44
45	41810.00	11710.00	1437.00	1669.00	-154.80	1257.00	45
46	44120.00	18640.00	1765.00	1877.00	-176.50	1734.00	46
47	44280.00	14840.00	1884.00	1877.00	-35.59	1420.00	47
48	44120.00	15340.00	1645.00	1818.00	-328.20	1431.00	48
49	42800.00	17980.00	1735.00	1848.00	-144.00	1376.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
50	43780.00	26880.00	1705.00	2354.00	-165.70	2178.00	50
51	37350.00	17810.00	2092.00	2205.00	-46.41	1409.00	51
52	36710.00	16820.00	1467.00	2414.00	51.09	1333.00	52
53	37350.00	22430.00	1318.00	2563.00	-772.50	2243.00	53
54	38840.00	20620.00	1496.00	2503.00	-360.70	1853.00	54
56	35540.00	10060.00	811.00	1699.00	-469.10	1506.00	56
57	35370.00	9236.00	781.30	1967.00	-512.40	1723.00	57
59	36030.00	9896.00	781.30	2563.00	-490.80	2157.00	59
60	36030.00	10890.00	900.40	2742.00	-425.70	2265.00	60
61	36690.00	15830.00	721.70	3338.00	-588.30	2579.00	61
62	37190.00	16000.00	1019.00	3278.00	-458.30	2514.00	62
63	37680.00	21440.00	1169.00	2831.00	-805.00	2406.00	63
64	36390.00	21770.00	-530.00	2921.00	-1152.00	2319.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	191.10	485.50	917.00	352.30	929.20	248.60	2
3	32.34	681.60	802.10	237.40	921.40	256.30	3
4	-5.00	887.00	756.10	176.10	1077.00	287.40	4
5	32.34	681.60	817.40	176.20	1085.00	248.50	5
6	4.34	747.00	756.10	176.10	1085.00	295.20	6
7	4.34	709.60	802.10	145.50	1077.00	256.30	7
8	13.69	606.90	817.40	145.50	1046.00	225.30	8
9	51.03	775.00	825.10	153.20	1046.00	271.80	9
10	60.38	915.00	871.00	199.10	960.30	372.80	10
11	97.72	1214.00	863.30	222.10	952.50	411.60	11
12	-182.40	1475.00	878.70	360.00	1085.00	481.50	12
13	51.03	1429.00	802.10	405.90	1022.00	403.90	13
14	13.69	1503.00	825.10	352.30	1007.00	388.30	14
15	-14.31	1289.00	909.30	329.30	1046.00	520.40	15
16	-23.66	1186.00	932.30	337.00	1022.00	450.50	16
17	-210.40	1671.00	878.70	360.00	983.60	567.00	17
18	-294.40	2521.00	878.70	375.30	975.80	574.80	18
19	-266.40	1578.00	894.00	344.70	1077.00	489.30	19
20	-42.34	1466.00	832.70	344.70	1116.00	466.00	20
21	107.10	1578.00	962.90	413.60	1077.00	489.30	21
22	-145.00	1345.00	939.90	359.90	1030.00	380.60	22
23	-219.80	1811.00	733.20	490.20	991.30	466.00	23
24	-686.70	3940.00	756.10	942.00	1077.00	1111.00	24
25	-751.90	3128.00	848.00	559.10	1030.00	613.60	25
26	-14.34	1494.00	702.50	398.30	975.80	450.50	26
28	-61.00	1503.00	871.00	367.60	1046.00	442.70	28
29	-61.00	1261.00	786.80	360.00	960.30	388.30	29
30	-163.70	1550.00	970.60	344.60	1046.00	535.90	30
31	-61.00	1354.00	909.30	360.00	905.90	365.00	31
32	-163.70	1793.00	733.20	474.80	1100.00	528.20	32
33	-322.50	1895.00	809.80	597.40	929.20	683.50	33
34	-322.40	2082.00	855.70	643.30	999.10	660.20	34
35	-705.30	2708.00	917.00	337.00	1053.00	590.30	35
36	-341.10	2269.00	878.70	375.30	1007.00	574.80	36
37	-331.80	2614.00	863.30	390.60	968.00	613.60	37
38	-219.80	1830.00	932.30	306.30	929.20	419.40	38
39	303.20	1083.00	1040.00	275.70	975.80	326.20	39
40	293.80	905.70	993.50	321.70	999.10	318.50	40
41	181.80	1447.00	794.40	413.60	968.00	520.40	41
42	303.10	1046.00	1216.00	482.50	1147.00	388.30	42
43	172.40	989.70	1162.00	444.20	1030.00	411.70	43
44	-210.40	2119.00	1147.00	582.00	1279.00	489.30	44
45	247.10	784.30	1162.00	382.90	1046.00	225.30	45
46	135.10	1345.00	1032.00	528.50	1069.00	497.10	46
47	359.20	1064.00	1239.00	413.60	1139.00	334.00	47
48	265.80	915.00	1124.00	390.60	1038.00	326.20	48
49	265.80	1083.00	1139.00	451.90	1162.00	357.30	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
50	-369.10	1961.00	970.60	635.70	1131.00	668.00	50
51	135.10	1083.00	1055.00	582.10	1123.00	504.90	51
52	209.80	1027.00	993.50	643.30	1170.00	458.30	52
53	-23.66	1783.00	985.90	773.50	1310.00	660.20	53
54	-219.80	1550.00	1032.00	605.00	1022.00	512.60	54
56	-117.00	999.00	886.30	260.40	1022.00	341.80	56
57	-42.34	1036.00	863.30	191.50	1030.00	302.90	57
59	-5.00	1186.00	802.10	237.40	1038.00	279.60	59
60	23.03	1232.00	779.10	245.10	1015.00	256.30	60
61	-5.00	1429.00	802.10	314.00	1085.00	341.80	61
62	-70.34	1401.00	763.80	229.80	991.30	295.20	62
63	-453.20	2120.00	1101.00	689.30	1193.00	652.40	63
64	-1163.00	2736.00	717.80	474.80	859.30	489.30	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	A9860SDY	69860ALT	EVENT
2	3168.00	4579.00	2
3	-6545.00	6800.00	3
4	-11120.00	8603.00	4
5	-10430.00	6799.00	5
6	-12930.00	7355.00	6
7	-11120.00	7493.00	7
8	-12230.00	6383.00	8
9	-9875.00	8187.00	9
10	3169.00	8465.00	10
11	3585.00	8326.00	11
12	2891.00	7354.00	12
13	-855.50	7771.00	13
14	670.50	7632.00	14
15	2197.00	7493.00	15
16	-3215.00	7077.00	16
17	-6406.00	7493.00	17
18	-7239.00	7771.00	18
19	1642.00	8048.00	19
20	-2799.00	8326.00	20
21	-2243.00	13320.00	21
22	-161.50	8187.00	22
23	115.50	11240.00	23
24	2198.00	17480.00	24
25	-6267.00	11240.00	25
26	-4741.00	16100.00	26
28	4279.00	8465.00	28
29	1365.00	6661.00	29
30	8303.00	15540.00	30
31	4222.00	11790.00	31
32	1781.00	19840.00	32
33	-10570.00	10820.00	33
34	-4880.00	11240.00	34
35	-11540.00	10960.00	35
36	-6961.00	10550.00	36
37	-4741.00	10270.00	37
38	12740.00	7216.00	38
39	28700.00	6244.00	39
40	30230.00	6661.00	40
41	3308.00	11660.00	41
42	44100.00	7770.00	42
43	43820.00	7771.00	43
44	42580.00	8742.00	44
45	43270.00	5828.00	45
46	33000.00	9713.00	46
47	46880.00	6938.00	47
48	45070.00	6244.00	48
49	40770.00	8326.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24300 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	69860SDY	69860ALT	EVENT
50	32030.00	10410.00	50
51	28130.00	9574.00	51
52	43410.00	9019.00	52
53	35500.00	13040.00	53
54	39250.00	12070.00	54
56	11080.00	8603.00	56
57	9413.00	8603.00	57
59	1088.00	9436.00	59
60	948.50	9852.00	60
61	-3215.00	11520.00	61
62	-4047.00	11240.00	62
63	23430.00	12350.00	63
64	-9736.00	9158.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVE
2	3.88	3.15	7.02	.73	12.43	.33	2
3	3.67	4.12	8.21	-.46	12.75	.49	3
4	4.05	5.49	9.96	-1.44	11.97	.70	4
5	3.74	5.45	9.54	-1.72	11.24	.94	5
6	4.19	5.35	9.54	-1.30	10.74	.86	6
7	3.77	5.35	9.68	-1.58	10.83	.94	7
8	4.05	5.00	9.05	-1.09	10.58	.70	8
9	4.33	5.56	9.89	-1.72	10.42	.86	9
10	3.81	2.45	6.25	1.36	12.88	.20	10
11	3.98	2.27	6.67	1.29	13.16	.41	11
12	3.63	.94	4.57	2.48	11.48	.53	12
13	3.60	1.19	4.78	2.27	11.11	.41	13
14	3.63	.87	4.57	2.69	11.44	.41	14
15	3.73	.91	4.78	2.76	10.99	.37	15
16	3.67	.84	4.57	2.83	11.52	.33	16
17	4.30	2.31	6.67	1.99	11.56	.45	17
18	3.88	2.10	5.97	1.57	12.30	.29	18
19	3.73	2.45	6.18	1.08	11.65	.53	19
20	4.15	2.73	6.88	1.22	12.02	.57	20
21	4.09	3.01	7.16	.80	11.20	.66	21
22	3.73	2.80	6.81	.94	11.56	.70	22
23	4.30	3.01	7.30	1.01	11.44	.66	23
24	4.36	7.83	12.19	-3.67	16.07	1.27	24
25	4.33	6.82	11.15	-2.56	11.81	.94	25
26	4.12	7.31	11.63	-3.46	12.10	1.07	26
27	4.64	6.64	11.35	-2.14	10.05	.82	27
28	4.36	6.01	10.52	-2.00	8.41	.82	28
29	2.58	2.90	6.11	-1.44	13.00	.90	29
30	1.99	2.87	6.74	-.88	11.65	.86	30
31	3.91	2.27	6.39	1.64	12.59	.25	31
32	3.77	3.88	7.65	-.11	12.84	.41	32
33	3.49	4.86	8.63	-1.37	12.22	.61	33
34	3.53	3.70	7.23	-.18	12.67	.57	34
35	4.33	3.32	7.65	.45	12.75	.49	35
36	3.14	3.88	7.30	-.74	11.65	1.93	36
37	3.63	4.09	8.14	-.46	12.47	3.24	37
38	3.70	8.14	11.84	-4.76	12.10	.82	38
39	4.02	7.97	11.98	-3.95	13.20	.78	39
40	2.02	2.55	4.57	-.53	10.13	.16	40
41	1.46	1.71	3.18	-.25	9.02	.12	41
42	1.18	2.48	3.81	-1.37	9.15	.16	42
43	1.71	.77	2.55	.87	8.61	.12	43
44	1.11	1.78	3.04	-.74	8.57	.16	44
45	1.43	2.45	3.88	-1.02	8.98	.16	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT
2	10.37	2.95	1152.00	1625.00	10340.00	7435.00
3	10.41	3.94	561.00	3397.00	8819.00	12670.00
4	10.41	4.74	708.50	4727.00	9326.00	19940.00
5	9.48	4.55	561.00	4283.00	12540.00	17070.00
6	9.08	3.25	561.00	3988.00	8818.00	17740.00
7	8.89	3.59	118.00	4726.00	8650.00	19600.00
8	9.32	3.27	1004.00	3545.00	12200.00	14700.00
9	10.89	4.10	1595.00	6203.00	12370.00	25680.00
10	11.21	2.98	1595.00	3250.00	12200.00	12000.00
11	9.72	3.14	1152.00	3693.00	14900.00	16390.00
12	10.28	3.27	856.50	3102.00	12370.00	15210.00
13	10.36	3.62	1743.00	3102.00	16080.00	13180.00
14	9.69	3.49	1300.00	3250.00	11860.00	13690.00
15	9.93	3.89	1004.00	2659.00	11350.00	10140.00
16	9.93	3.62	1004.00	2659.00	9156.00	10310.00
17	9.02	3.62	1448.00	4579.00	15580.00	20780.00
18	10.89	2.82	1004.00	2363.00	10680.00	10480.00
19	10.67	2.77	856.50	3102.00	10340.00	13520.00
20	10.54	3.75	265.50	3693.00	10000.00	16900.00
21	10.35	3.89	118.00	4726.00	8649.00	22310.00
22	9.98	3.46	413.50	5613.00	9325.00	25350.00
23	10.57	2.61	1004.00	5908.00	9832.00	25850.00
24	12.88	2.95	856.50	2216.00	11690.00	9125.00
25	11.93	3.38	1743.00	5170.00	17610.00	23830.00
26	12.40	4.71	265.50	5465.00	15240.00	23830.00
27	10.59	3.43	1299.00	5317.00	15580.00	25520.00
28	6.97	3.11	-325.50	4579.00	6115.00	17740.00
29	10.22	2.64	856.50	3102.00	9156.00	10310.00
30	6.52	3.03	708.50	2068.00	7973.00	7773.00
31	10.94	2.40	413.50	1773.00	10170.00	6928.00
32	10.99	5.27	1300.00	2659.00	11860.00	11320.00
33	10.67	4.74	1004.00	2363.00	12370.00	8787.00
34	10.59	4.07	1152.00	2216.00	12700.00	9463.00
35	10.36	4.42	1004.00	2068.00	12200.00	8280.00
36	11.02	3.49	413.00	2363.00	10170.00	7942.00
37	10.99	3.51	708.50	2364.00	7635.00	9125.00
38	10.97	7.43	-2541.00	5022.00	12030.00	8111.00
39	10.97	8.86	709.00	2954.00	13040.00	13860.00
40	7.43	2.82	-325.50	1625.00	7636.00	4394.00
41	6.84	1.49	-177.50	1773.00	6453.00	3887.00
42	5.88	2.66	560.50	2216.00	7636.00	4394.00
43	6.71	.83	265.50	1921.00	5608.00	4394.00
44	5.70	1.68	-177.50	2364.00	5777.00	6591.00
45	6.65	2.10	-30.00	1920.00	8142.00	6590.00

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	2303.00	3521.00	589.00	2853.00	-3512.00	4022.00	2
3	3164.00	4147.00	357.00	4549.00	-5020.00	5195.00	3
4	2616.00	7669.00	3056.00	4549.00	-3010.00	7961.00	4
5	3594.00	6534.00	588.60	4394.00	-3596.00	7290.00	5
6	3125.00	7082.00	-182.50	5475.00	-2675.00	7123.00	6
7	2890.00	7552.00	-452.50	5822.00	-2213.00	7751.00	7
8	2303.00	7043.00	-182.50	4858.00	-2674.00	5866.00	8
9	3946.00	8608.00	550.00	6669.00	-3093.00	9971.00	9
10	3790.00	4147.00	1668.00	3547.00	-2758.00	5195.00	10
11	3907.00	5126.00	2670.00	5320.00	-3051.00	6829.00	11
12	2812.00	5204.00	1668.00	3315.00	-1962.00	8170.00	12
13	2655.00	5126.00	1822.00	3624.00	-1543.00	7751.00	13
14	2577.00	5908.00	164.90	3740.00	-2674.00	7709.00	14
15	2929.00	4617.00	820.30	3084.00	-2423.00	5614.00	15
16	2538.00	4851.00	126.30	3470.00	-3512.00	5028.00	16
17	6255.00	8177.00	3557.00	5513.00	-2758.00	10310.00	17
18	2538.00	3834.00	1206.00	2622.00	-3218.00	4567.00	18
19	2382.00	5947.00	1514.00	4318.00	-2590.00	4777.00	19
20	1990.00	7748.00	2054.00	4009.00	-1795.00	7081.00	20
21	1325.00	8491.00	1476.00	4433.00	-2675.00	8715.00	21
22	1638.00	9508.00	1167.00	4587.00	-2926.00	8966.00	22
23	1208.00	9704.00	1244.00	5050.00	-1459.00	9846.00	23
24	4690.00	3404.00	2401.00	4510.00	-6068.00	3980.00	24
25	5629.00	8334.00	2632.00	6284.00	-1920.00	7793.00	25
26	6686.00	8373.00	2323.00	7209.00	-914.50	9385.00	26
27	4533.00	9743.00	357.00	5860.00	-3345.00	8799.00	27
28	1325.00	6378.00	704.00	6130.00	-1585.00	8128.00	28
29	1677.00	3130.00	203.50	2776.00	-1920.00	3017.00	29
30	2342.00	2935.00	935.90	2197.00	-3093.00	2263.00	30
31	2929.00	2582.00	974.50	2236.00	-3722.00	2389.00	31
32	3008.00	3834.00	1437.00	2930.00	-2800.00	4148.00	32
33	2303.00	3052.00	473.30	3200.00	-4517.00	3855.00	33
34	2616.00	2895.00	1283.00	2313.00	-3218.00	3394.00	34
35	2694.00	2461.00	511.90	3238.00	-3721.00	3478.00	35
36	1716.00	3169.00	1013.00	2891.00	-3428.00	3184.00	36
37	1207.00	3678.00	704.60	3354.00	-1752.00	3268.00	37
38	3203.00	3952.00	1052.00	2776.00	-3805.00	3897.00	38
39	3946.00	3991.00	1630.00	3277.00	-2674.00	5782.00	39
40	894.70	2113.00	126.40	2005.00	-1542.00	1550.00	40
41	1051.00	1800.00	10.69	1504.00	-997.80	1592.00	41
42	1286.00	1878.00	49.25	1542.00	-1291.00	1718.00	42
43	307.80	2074.00	242.00	1581.00	-159.90	2011.00	43
44	855.60	3091.00	319.10	1658.00	-76.09	2514.00	44
45	1677.00	2660.00	10.72	2043.00	-2548.00	2305.00	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4032.00	3693.00	1958.00	7662.00	41880.00	8007.00	2
3	-4876.00	5226.00	3587.00	12930.00	44740.00	13730.00	3
4	-4783.00	7134.00	2341.00	13980.00	40880.00	13870.00	4
5	-3156.00	6258.00	5693.00	12740.00	44600.00	13580.00	5
6	-2592.00	7009.00	2820.00	14460.00	41600.00	12580.00	6
7	-2686.00	7541.00	2725.00	13410.00	42450.00	11720.00	7
8	-2874.00	6164.00	3874.00	11680.00	43020.00	11150.00	8
9	-2436.00	8918.00	2820.00	13890.00	40880.00	13580.00	9
10	-3281.00	4443.00	1479.00	6034.00	44450.00	9151.00	10
11	-3374.00	5789.00	-819.00	9290.00	44880.00	12730.00	11
12	-2905.00	7447.00	2437.00	6034.00	42880.00	10150.00	12
13	-2030.00	7072.00	1863.00	7375.00	43020.00	11150.00	13
14	-2812.00	7041.00	2724.00	6321.00	42600.00	10440.00	14
15	-3030.00	5570.00	2533.00	6513.00	42880.00	9866.00	15
16	-4031.00	4819.00	2437.00	9099.00	43740.00	10720.00	16
17	-2499.00	9544.00	4353.00	10440.00	45600.00	14580.00	17
18	-5001.00	2848.00	-244.50	7758.00	39310.00	12010.00	18
19	-4751.00	4412.00	4927.00	8907.00	45880.00	12010.00	19
20	-3375.00	5726.00	4640.00	10540.00	43600.00	12870.00	20
21	-3156.00	7322.00	4257.00	10340.00	45310.00	12010.00	21
22	-3406.00	7259.00	4832.00	10920.00	46310.00	11300.00	22
23	-2405.00	7698.00	1575.00	11110.00	47310.00	12300.00	23
24	-7348.00	3255.00	2725.00	12450.00	44030.00	13010.00	24
25	-4407.00	7072.00	4065.00	14750.00	44600.00	17300.00	25
26	-1873.00	11300.00	1479.00	15800.00	43740.00	18440.00	26
27	-3250.00	7354.00	2629.00	13890.00	42020.00	15580.00	27
28	-1842.00	7698.00	5119.00	13310.00	46460.00	16010.00	28
29	-4063.00	3348.00	1096.00	6225.00	43310.00	6863.00	29
30	-4939.00	2347.00	-244.50	5843.00	39880.00	6291.00	30
31	-4908.00	2816.00	1671.00	6226.00	41600.00	5433.00	31
32	-4438.00	3286.00	1575.00	6896.00	41020.00	7435.00	32
33	-5189.00	3912.00	2246.00	7950.00	43310.00	8293.00	33
34	-4376.00	3536.00	521.50	7950.00	41590.00	8579.00	34
35	-4313.00	3473.00	2246.00	7567.00	44170.00	7721.00	35
36	-3437.00	3098.00	426.00	8811.00	42020.00	9008.00	36
37	-2874.00	3536.00	-1490.00	9195.00	39740.00	8436.00	37
38	-4489.00	3974.00	2916.00	11300.00	44310.00	11010.00	38
39	-5502.00	3724.00	1958.00	10730.00	44030.00	10720.00	39
40	-1090.00	1439.00	2820.00	3352.00	43450.00	4433.00	40
41	-870.90	1158.00	1862.00	2969.00	43020.00	4004.00	41
42	-1153.00	1439.00	1192.00	3256.00	42020.00	3575.00	42
43	-1309.00	1533.00	2725.00	2874.00	44170.00	4004.00	43
44	-182.50	2222.00	1384.00	3065.00	43880.00	4290.00	44
45	-1778.00	1752.00	1480.00	4119.00	42600.00	5576.00	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	37150.00	7196.00	811.90	684.10	-91.63	475.30	2
3	39270.00	11280.00	752.40	1279.00	81.22	821.00	3
4	38130.00	11450.00	514.40	1517.00	-156.40	1037.00	4
5	40090.00	14060.00	722.70	1606.00	-91.63	1167.00	5
6	38780.00	12100.00	960.60	1666.00	-91.66	1210.00	6
7	40250.00	11940.00	573.90	1636.00	-199.70	1318.00	7
8	38950.00	10960.00	901.10	1249.00	-156.40	1188.00	8
9	37970.00	14230.00	663.20	1844.00	264.80	1437.00	9
10	40420.00	10470.00	722.60	1368.00	-145.70	875.00	10
11	40910.00	14230.00	901.10	1725.00	59.59	1123.00	11
12	38780.00	13740.00	1020.00	1368.00	27.19	1026.00	12
13	39600.00	14550.00	1080.00	1309.00	-70.03	1102.00	13
14	38460.00	12760.00	841.60	1428.00	70.38	1113.00	14
15	38460.00	12100.00	871.40	1339.00	16.38	972.20	15
16	36490.00	12100.00	901.10	1428.00	102.80	1059.00	16
17	38460.00	16350.00	901.10	1666.00	-70.03	1275.00	17
18	35510.00	12100.00	425.20	892.30	92.00	594.10	18
19	38780.00	14390.00	1050.00	1101.00	254.00	864.20	19
20	41400.00	15050.00	930.80	1279.00	92.03	1005.00	20
21	39110.00	16350.00	960.60	1428.00	81.19	1102.00	21
22	41890.00	16840.00	960.60	1666.00	-37.63	1264.00	22
23	43030.00	17010.00	871.40	1636.00	-37.63	1372.00	23
24	37970.00	10630.00	514.40	2528.00	-599.30	2128.00	24
25	40420.00	17660.00	544.20	2380.00	-588.50	2182.00	25
26	41240.00	21420.00	1585.00	2350.00	-404.90	1977.00	26
27	40250.00	15540.00	841.60	1844.00	-242.80	1469.00	27
28	39110.00	15370.00	752.40	2112.00	-437.30	1599.00	28
29	40090.00	7522.00	1228.00	981.60	254.00	669.70	29
30	37640.00	7032.00	1169.00	743.60	27.19	507.70	30
31	37800.00	4906.00	841.60	1071.00	38.00	583.30	31
32	36660.00	9648.00	1228.00	1220.00	-59.22	810.20	32
33	41070.00	7849.00	1020.00	832.80	48.81	594.10	33
34	37310.00	7686.00	1139.00	1011.00	70.41	615.70	34
35	39760.00	8177.00	1228.00	1101.00	5.59	831.80	35
36	38130.00	6542.00	1080.00	892.30	16.41	604.90	36
37	40580.00	7359.00	1407.00	1041.00	383.70	691.30	37
38	38620.00	11280.00	1139.00	1249.00	210.80	907.40	38
39	39270.00	9975.00	1080.00	1190.00	-16.00	723.80	39
40	38950.00	4415.00	1020.00	594.90	297.30	324.10	40
41	39440.00	4579.00	1199.00	416.40	362.10	302.40	41
42	39270.00	3434.00	1199.00	594.90	308.10	313.30	42
43	40250.00	4743.00	1199.00	475.90	426.90	324.10	43
44	40250.00	5070.00	1169.00	624.60	426.90	367.30	44
45	38950.00	5724.00	1258.00	654.40	362.10	432.10	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	149.30	399.60	924.60	214.60	927.60	247.30	2
3	121.30	743.50	940.00	321.90	997.10	332.40	3
4	28.44	985.10	962.90	544.20	896.70	479.20	4
5	-55.19	901.40	939.90	459.90	919.80	456.00	5
6	37.72	882.80	955.30	475.20	865.70	448.30	6
7	19.16	920.00	970.60	505.90	842.50	487.00	7
8	130.60	752.80	962.90	421.60	865.70	371.00	8
9	177.10	966.50	947.60	666.80	888.90	641.50	9
10	9.84	483.20	924.60	275.90	881.20	324.60	10
11	65.59	966.50	855.60	375.60	904.40	440.60	11
12	186.40	604.00	940.00	429.20	803.90	479.20	12
13	177.10	631.90	947.60	406.20	842.50	471.50	13
14	130.70	641.20	932.30	436.90	896.60	463.80	14
15	186.40	566.90	955.30	337.20	943.00	355.50	15
16	167.80	659.80	939.90	352.60	935.30	301.40	16
17	344.40	799.20	710.00	567.20	773.00	618.30	17
18	112.10	418.20	993.60	283.60	919.80	286.00	18
19	167.80	604.10	1024.00	390.90	888.90	301.40	19
20	139.90	669.10	1032.00	521.20	842.50	440.60	20
21	270.10	743.40	1032.00	643.80	873.40	533.30	21
22	149.20	827.10	1001.00	720.50	912.10	541.00	22
23	9.84	799.20	1032.00	735.80	803.90	602.90	23
24	-111.00	1199.00	963.00	222.30	1059.00	255.10	24
25	-919.50	1933.00	779.00	636.20	834.80	463.80	25
26	-928.80	1794.00	748.40	666.80	780.70	595.20	26
27	65.59	1041.00	809.70	712.80	888.90	548.80	27
28	167.80	1236.00	1009.00	467.60	796.20	502.40	28
29	74.88	511.10	1040.00	268.30	811.60	208.70	29
30	186.40	399.60	985.90	214.60	896.70	154.60	30
31	177.10	371.80	932.30	176.30	935.30	162.30	31
32	56.31	473.90	924.60	291.30	858.00	255.10	32
33	139.90	446.10	955.30	214.60	1005.00	247.30	33
34	167.80	418.20	901.60	206.90	912.10	201.00	34
35	177.10	483.30	901.60	206.90	912.10	216.40	35
36	186.40	381.00	1001.00	229.90	904.40	208.70	36
37	205.00	455.40	978.30	283.60	796.20	193.20	37
38	93.47	492.50	978.30	237.60	896.60	231.90	38
39	37.75	511.10	832.70	337.20	858.00	363.30	39
40	158.50	241.60	1063.00	122.70	803.90	92.75	40
41	232.90	185.90	1040.00	99.66	757.50	92.75	41
42	270.00	223.00	1101.00	115.00	749.80	115.90	42
43	214.30	278.80	1093.00	137.90	718.90	131.40	43
44	307.30	241.60	1086.00	206.90	687.90	162.30	44
45	288.70	316.00	1009.00	160.90	850.20	139.10	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	69860SDY	69860ALT	EVENT
2	9241.00	4279.00	2
3	11590.00	6901.00	3
4	7860.00	8143.00	4
5	17380.00	9385.00	5
6	21390.00	8695.00	6
7	20560.00	8419.00	7
8	21250.00	7729.00	8
9	19320.00	8833.00	9
10	8137.00	4279.00	10
11	14140.00	7315.00	11
12	16560.00	8005.00	12
13	14560.00	7729.00	13
14	16000.00	7177.00	14
15	20420.00	6349.00	15
16	15310.00	6211.00	16
17	10480.00	7729.00	17
18	7308.00	5107.00	18
19	14760.00	6763.00	19
20	14760.00	7039.00	20
21	17800.00	8143.00	21
22	15730.00	8557.00	22
23	15450.00	8557.00	23
24	-15880.00	10630.00	24
25	2340.00	9800.00	25
26	5376.00	11460.00	26
27	-2906.00	10630.00	27
28	35050.00	8281.00	28
29	11310.00	7453.00	29
30	11720.00	5659.00	30
31	4756.00	3727.00	31
32	4962.00	4969.00	32
33	4618.00	5245.00	33
34	6066.00	6073.00	34
35	4204.00	5935.00	35
36	18070.00	13660.00	36
37	4962.00	21250.00	37
38	8412.00	8419.00	38
39	3582.00	6901.00	39
40	24700.00	2346.00	40
41	32700.00	1794.00	41
42	36020.00	1795.00	42
43	34910.00	2347.00	43
44	34500.00	2485.00	44
45	30360.00	2761.00	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.82	7.43	12.25	-2.60	15.69	.94	2
3	4.30	5.99	10.29	-1.76	16.02	.69	3
4	4.30	5.43	9.73	-1.13	15.94	.61	4
5	4.40	5.68	10.08	-1.34	15.98	.65	5
6	4.26	5.82	10.08	-1.55	15.53	.69	6
7	4.40	5.19	9.59	-.85	15.98	.57	7
8	3.81	2.14	6.02	1.67	15.04	.37	8
9	3.81	2.28	6.15	1.53	14.63	.45	9
10	3.91	2.66	6.57	1.25	14.88	.45	10
11	4.02	2.98	7.00	1.04	14.39	.53	11
12	3.91	2.80	6.79	1.11	14.59	.49	12
13	3.88	3.05	7.00	.83	14.43	.49	13
14	3.98	3.85	7.98	.13	13.49	.69	14
15	3.91	3.85	7.77	.06	13.73	.61	15
16	4.09	3.54	7.63	.48	13.73	.61	16
17	4.09	4.80	8.89	-.71	13.45	.73	17
18	4.02	6.20	10.22	-2.19	14.67	.98	18
19	4.23	4.73	8.96	-.57	13.86	.82	19
20	4.19	4.48	8.68	-.36	14.26	.73	20
21	4.33	3.71	8.05	.62	14.88	.69	21
22	4.47	3.99	8.47	.48	15.77	.61	22
23	4.02	5.92	9.94	-1.90	15.40	.90	23
24	4.05	5.82	9.87	-1.90	14.39	.94	24
25	4.33	3.99	8.33	.34	13.12	1.22	25
26	4.12	4.20	8.33	-.08	13.53	.65	26
27	4.54	6.66	11.20	-2.40	12.84	1.35	27
28	4.65	4.03	8.68	.55	13.20	.73	28
29	4.19	4.20	8.40	-.01	13.33	.61	29
30	4.40	5.89	10.36	-1.48	13.90	1.10	30
31	4.40	4.91	9.31	-.50	15.20	1.02	31
32	4.19	4.69	9.10	-.50	14.79	1.51	32
33	4.33	4.35	8.68	-.01	12.59	.77	33
34	4.12	3.15	7.28	.83	10.51	.57	34
35	3.42	2.45	5.94	.97	9.17	.37	35
36	4.33	4.69	9.03	-.36	14.02	.90	36
37	3.32	2.84	6.15	.48	7.49	.33	37
38	3.18	4.38	7.63	-1.20	7.82	.57	38
39	3.14	4.84	8.40	-1.69	7.37	.53	39
40	4.02	3.68	7.70	.34	7.62	.45	40
41	3.21	2.66	6.44	-.01	7.53	.37	41
42	3.95	5.08	9.03	-3.10	7.25	.49	42
43	4.58	6.97	11.55	-2.47	11.70	.77	43
44	4.58	7.88	12.46	-3.38	12.55	.98	44
45	4.58	8.94	13.51	-4.36	13.29	1.22	45
46	4.23	8.02	12.39	-3.80	13.86	1.06	46
47	5.07	9.64	14.71	-4.57	14.96	1.51	47
48	4.96	9.46	14.42	-4.50	15.37	1.43	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
49	4.96	9.32	14.28	-4.43	15.16	1.39	49
50	5.31	9.81	15.13	-4.78	14.96	1.59	50
51	5.14	9.92	15.06	-4.78	15.12	1.59	51
52	4.30	5.50	9.80	-1.20	12.55	.57	52
53	4.26	3.78	8.19	.48	13.94	.41	53
54	4.30	1.72	6.36	2.58	14.84	.16	54
55	4.54	3.08	7.63	1.18	15.49	1.14	55
56	4.75	3.57	8.40	1.18	15.28	.45	56
57	5.00	4.17	9.17	.83	14.59	1.47	57
58	4.93	5.15	10.08	-.22	16.42	.69	58
59	4.89	7.01	11.90	-2.11	13.20	.90	59
60	5.00	8.38	13.37	-3.45	12.43	1.10	60
61	6.36	11.14	17.51	-4.81	13.82	2.00	61
62	4.47	3.93	8.40	.48	13.41	.69	62
63	4.44	6.62	11.06	-2.26	15.20	1.10	63
64	4.05	4.77	8.82	-.78	11.29	.53	64
65	4.14	5.85	10.01	-1.76	11.16	.65	65
66	4.09	6.69	10.78	-2.68	11.78	.77	66
67	4.16	8.80	12.95	-4.64	12.63	1.14	67
68	3.88	7.67	11.55	-3.87	12.27	.94	68
69	4.12	8.62	12.74	-4.64	13.29	1.06	69
70	4.54	9.18	13.72	-4.78	13.90	1.26	70
71	4.05	4.77	8.82	-.71	7.37	.45	71
72	4.02	4.94	9.10	-.92	7.41	.49	72
73	5.56	5.92	11.69	-.43	7.17	.90	73
74	3.81	5.22	9.45	-1.41	7.17	.57	74
75	3.49	4.98	8.54	-1.48	7.33	.41	75
76	2.37	6.80	9.59	-4.43	6.92	.73	76
77	5.94	5.54	11.48	-.57	8.11	1.10	77
78	4.93	5.78	11.27	-.85	9.25	1.67	78
79	5.10	5.82	10.92	-.78	8.11	.77	79
80	4.40	6.38	10.78	-2.11	13.33	.94	80

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	13.24	3.16	1631.00	1482.00	13990.00	6099.00	2
3	14.10	2.60	890.00	1629.00	14330.00	4744.00	3
4	14.18	2.79	1038.00	1481.00	14660.00	4405.00	4
5	14.32	2.92	890.00	1629.00	15340.00	4744.00	5
6	14.32	2.92	1038.00	1481.00	15170.00	4913.00	6
7	14.59	2.92	890.00	1333.00	15340.00	4405.00	7
8	14.56	3.92	594.00	2518.00	13820.00	9996.00	8
9	14.67	3.92	1.00	2814.00	14330.00	10170.00	9
10	14.78	4.03	149.50	2370.00	13820.00	9318.00	10
11	14.86	4.11	446.00	2666.00	15510.00	11010.00	11
12	15.10	3.92	-147.00	2666.00	14500.00	11010.00	12
13	15.13	3.84	-295.00	2814.00	15340.00	11520.00	13
14	14.16	4.06	889.50	4592.00	16360.00	16600.00	14
15	14.24	4.14	1038.00	4740.00	15850.00	18130.00	15
16	14.48	4.06	297.50	4000.00	16360.00	15590.00	16
17	14.21	4.87	-1332.00	6221.00	10260.00	25750.00	17
18	15.27	4.79	-295.00	5776.00	13140.00	24900.00	18
19	15.10	4.79	-295.00	4888.00	14160.00	18810.00	19
20	15.13	4.87	-146.50	4444.00	11610.00	16260.00	20
21	15.29	4.33	-739.00	3851.00	13650.00	14230.00	21
22	16.05	4.38	-739.50	2963.00	14330.00	11520.00	22
23	15.56	5.90	297.50	6369.00	13480.00	27620.00	23
24	16.05	5.14	-443.00	6517.00	11450.00	24570.00	24
25	15.16	5.82	-1036.00	3259.00	9582.00	13210.00	25
26	14.29	5.60	-887.50	3703.00	10260.00	14570.00	26
27	13.89	6.22	-887.50	3703.00	15340.00	15930.00	27
28	14.43	5.03	-1480.00	3703.00	13650.00	16260.00	28
29	13.91	4.14	297.50	4296.00	15850.00	16090.00	29
30	15.13	5.14	-591.00	6665.00	14660.00	27780.00	30
31	15.59	5.01	-1776.00	5480.00	10090.00	23210.00	31
32	15.99	5.30	-1925.00	5925.00	9582.00	25070.00	32
33	13.64	4.25	-1332.00	3555.00	8734.00	14740.00	33
34	10.80	3.95	-147.00	3555.00	13480.00	11010.00	34
35	9.10	4.09	-443.00	3555.00	10600.00	11520.00	35
36	14.45	4.19	-1480.00	3703.00	12630.00	13550.00	36
37	6.74	4.11	-1036.00	3259.00	8396.00	12030.00	37
38	7.90	5.11	-1184.00	4592.00	8057.00	16090.00	38
39	6.90	4.87	-591.50	5777.00	11280.00	22020.00	39
40	7.58	6.14	-1184.00	3999.00	6871.00	12200.00	40
41	5.28	4.28	-1332.00	3851.00	9074.00	12370.00	41
42	5.20	7.71	-739.50	4148.00	7210.00	15930.00	42
43	11.56	2.54	-591.00	2518.00	12630.00	11520.00	43
44	12.61	1.27	-147.00	1777.00	12120.00	8979.00	44
45	12.67	2.03	-4294.00	7998.00	12630.00	18640.00	45
46	13.80	1.54	-443.00	2962.00	13140.00	11010.00	46
47	14.75	2.54		4000.00	12630.00	22700.00	47
48	15.44	2.81		5000.00	12970.00	24060.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
49	15.40	2.92	-7553.00	12440.00	12970.00	24730.00	49
50	15.21	3.06	0.0	6000.00	17370.00	25750.00	50
51	15.02	2.81	0.0	6000.00	11450.00	20500.00	51
52	11.69	2.52	-443.50	2074.00	10260.00	9149.00	52
53	12.86	3.03	-147.00	1777.00	12630.00	6777.00	53
54	13.15	2.68	-147.00	1185.00	12460.00	4575.00	54
55	13.10	4.14	-147.00	1481.00	12800.00	4913.00	55
56	13.34	3.79	-295.00	1629.00	10940.00	5760.00	56
57	14.67	6.25	-1036.00	2370.00	9582.00	9827.00	57
58	14.70	4.11	297.50	2815.00	12800.00	8302.00	58
59	13.13	2.81	445.50	1778.00	13990.00	9149.00	59
60	12.84	2.71	1.50	1926.00	13820.00	7963.00	60
61	13.86	3.60	0.0	7000.00	10090.00	28970.00	61
62	13.84	4.63	149.50	2963.00	11450.00	9996.00	62
63	15.75	5.01	1.50	4592.00	15510.00	20840.00	63
64	10.94	.92	149.50	2963.00	11280.00	11860.00	64
65	10.94	.73	445.50	2963.00	11780.00	10330.00	65
66	11.69	.78	-591.50	2222.00	10770.00	8641.00	66
67	12.18	1.87	-9182.00	13480.00	12460.00	20160.00	67
68	12.59	.97	-147.00	2666.00	11780.00	7624.00	68
69	13.21	1.11	-8441.00	10660.00	12460.00	8979.00	69
70	13.97	1.16	-19850.00	22370.00	12630.00	10840.00	70
71	5.88	2.87	-443.00	4147.00	10030.00	15080.00	71
72	5.77	3.52	-739.50	5629.00	10430.00	16430.00	72
73	7.36	3.17	742.00	6517.00	14330.00	24060.00	73
74	5.50	5.20	-1184.00	5481.00	8057.00	17450.00	74
75	5.04	3.60	-295.00	4592.00	8226.00	13250.00	75
76	4.74	6.39	-1776.00	6369.00	7210.00	17620.00	76
77	8.64	3.09	-295.00	5480.00	13820.00	23210.00	77
78	9.23	3.09	-295.00	6369.00	16190.00	20500.00	78
79	8.66	4.19	-591.50	7258.00	12630.00	26430.00	79
80	12.94	3.57	1335.00	5629.00	18730.00	24730.00	80

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGGW 20800 TGCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	5526.00	2530.00	2830.00	3404.00	-5829.00	4115.00	2
3	5487.00	2179.00	3140.00	1934.00	-5451.00	2981.00	3
4	5253.00	2024.00	2831.00	1779.00	-5242.00	2603.00	4
5	5215.00	2062.00	2792.00	1818.00	-5241.00	3023.00	5
6	5137.00	2062.00	2753.00	1857.00	-5157.00	3107.00	6
7	4903.00	1907.00	2443.00	1857.00	-5074.00	2603.00	7
8	5020.00	3114.00	2869.00	2746.00	-5409.00	3863.00	8
9	4864.00	3036.00	2676.00	3017.00	-5241.00	4283.00	9
10	4748.00	2763.00	2830.00	2785.00	-5409.00	4115.00	10
11	4553.00	3269.00	2250.00	3211.00	-4989.00	4787.00	11
12	4864.00	2958.00	2443.00	2940.00	-4821.00	4451.00	12
13	4670.00	3308.00	2405.00	3133.00	-4780.00	5584.00	13
14	4203.00	5643.00	2598.00	5803.00	-3563.00	9657.00	14
15	3580.00	6188.00	3024.00	4835.00	-2765.00	9951.00	15
16	4008.00	5293.00	2173.00	3829.00	-3436.00	8691.00	16
17	3775.00	9030.00	1979.00	4797.00	-4528.00	13390.00	17
18	3502.00	9069.00	2056.00	5029.00	-4402.00	11760.00	18
19	4164.00	6305.00	2830.00	4642.00	-4360.00	10450.00	19
20	4242.00	6149.00	2327.00	3830.00	-3646.00	10580.00	20
21	4436.00	4632.00	2598.00	3482.00	-3646.00	8565.00	21
22	4903.00	4632.00	3024.00	3288.00	-3268.00	7851.00	22
23	4358.00	9925.00	2791.00	4526.00	-3226.00	13440.00	23
24	4047.00	10080.00	1824.00	4642.00	-4612.00	12550.00	24
25	3541.00	4982.00	2792.00	4371.00	-4318.00	7893.00	25
26	3463.00	4826.00	1747.00	3868.00	-4402.00	8061.00	26
27	3191.00	5254.00	1709.00	4990.00	-4612.00	8271.00	27
28	5448.00	4632.00	2753.00	5029.00	-4318.00	7725.00	28
29	4047.00	5176.00	2405.00	4139.00	-2681.00	8859.00	29
30	5253.00	9419.00	1399.00	5300.00	-2429.00	12720.00	30
31	3074.00	8329.00	2018.00	4216.00	-6165.00	10240.00	31
32	3658.00	8602.00	3062.00	4410.00	-6669.00	10750.00	32
33	3346.00	5021.00	2289.00	3868.00	-4486.00	8565.00	33
34	2919.00	4204.00	2095.00	4217.00	-4486.00	5122.00	34
35	3035.00	4865.00	1206.00	3481.00	-3982.00	3527.00	35
36	4086.00	4437.00	2018.00	4526.00	-4108.00	8691.00	36
37	1945.00	4709.00	664.20	2863.00	-3982.00	2939.00	37
38	2296.00	5604.00	277.40	3482.00	-3940.00	5080.00	38
39	3074.00	7551.00	934.80	4603.00	-5199.00	7096.00	39
40	1828.00	4904.00	1012.00	4217.00	-3982.00	4954.00	40
41	1789.00	4943.00	664.20	3095.00	-4906.00	3275.00	41
42	1595.00	6072.00	1089.00	3675.00	-2638.00	5710.00	42
43	3852.00	3503.00	2018.00	3984.00	-4486.00	5878.00	43
44	5098.00	4281.00	2405.00	4294.00	-4822.00	5962.00	44
45	3658.00	8213.00	1631.00	5222.00	-5074.00	10080.00	45
46	4592.00	5488.00	1592.00	5029.00	-5703.00	6004.00	46
47	2918.00	8874.00	896.00	6035.00	-5451.00	9531.00	47
48	4125.00	9925.00	741.00	6654.00	-3814.00	10500.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
49	3385.00	9808.00	1709.00	6538.00	-4318.00	10240.00	49
50	4592.00	10240.00	548.00	7621.00	-3394.00	10500.00	50
51	2724.00	8991.00	315.50	8008.00	-4444.00	9531.00	51
52	4008.00	3269.00	1902.00	3172.00	-4570.00	6298.00	52
53	4242.00	2724.00	2095.00	2592.00	-3940.00	4157.00	53
54	4631.00	2101.00	2482.00	1122.00	-3226.00	2351.00	54
55	5020.00	2335.00	2676.00	1779.00	-3982.00	3275.00	55
56	4086.00	2491.00	2830.00	2012.00	-3604.00	2981.00	56
57	3463.00	4126.00	2250.00	2050.00	-3898.00	5458.00	57
58	5253.00	3425.00	3256.00	3056.00	-3016.00	5416.00	58
59	4475.00	2724.00	2560.00	2978.00	-4738.00	4703.00	59
60	4242.00	2880.00	2521.00	4023.00	-5032.00	5752.00	60
61	4086.00	11830.00	1554.00	7080.00	-7887.00	13650.00	61
62	5059.00	4242.00	2134.00	4565.00	-5577.00	4619.00	62
63	3463.00	9575.00	1206.00	5803.00	-5829.00	9489.00	63
64	3074.00	3503.00	1863.00	4294.00	-4360.00	6088.00	64
65	4086.00	3269.00	1554.00	4835.00	-4864.00	5164.00	65
66	4826.00	3697.00	2056.00	4410.00	-5157.00	4451.00	66
67	4358.00	7745.00	1322.00	5687.00	-4822.00	10240.00	67
68	4475.00	4126.00	1670.00	4796.00	-5283.00	3737.00	68
69	4826.00	5176.00	1438.00	5183.00	-5955.00	5080.00	69
70	4748.00	5643.00	1592.00	5880.00	-5997.00	6298.00	70
71	2451.00	6072.00	857.50	4216.00	-3898.00	4199.00	71
72	1400.00	5410.00	393.30	4062.00	-4233.00	4031.00	72
73	2762.00	8874.00	625.00	6151.00	-6795.00	7851.00	73
74	1361.00	6928.00	199.50	4720.00	-2470.00	6046.00	74
75	1517.00	6150.00	122.00	4255.00	-1799.00	5038.00	75
76	1089.00	6344.00	316.10	3675.00	-4108.00	5416.00	76
77	4125.00	8134.00	857.20	4758.00	-6333.00	6466.00	77
78	3697.00	7940.00	1128.00	5803.00	-7130.00	6676.00	78
79	3307.00	8407.00	470.50	6074.00	-6333.00	7641.00	79
80	5565.00	9964.00	2830.00	5803.00	-3604.00	8859.00	80

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-7081.00	3075.00	1447.00	10920.00	39000.00	11890.00	2
3	-6391.00	2008.00	680.50	8235.00	41680.00	8919.00	3
4	-6109.00	1789.00	1255.00	7278.00	43310.00	7581.00	4
5	-6235.00	1977.00	1734.00	7948.00	44500.00	8473.00	5
6	-6046.00	2102.00	1542.00	7756.00	45240.00	8324.00	6
7	-6046.00	1726.00	1925.00	7373.00	45840.00	7729.00	7
8	-5763.00	3389.00	1734.00	9480.00	46580.00	9959.00	8
9	-5858.00	3545.00	2021.00	10530.00	46730.00	10700.00	9
10	-5512.00	3389.00	2117.00	10050.00	46880.00	10260.00	10
11	-5889.00	3639.00	2500.00	10250.00	47770.00	11150.00	11
12	-5607.00	3545.00	2021.00	10150.00	48220.00	10700.00	12
13	-5042.00	4298.00	2404.00	10150.00	50450.00	10850.00	13
14	-4414.00	7310.00	3457.00	13690.00	53110.00	15300.00	14
15	-3693.00	8408.00	2691.00	13120.00	50450.00	12930.00	15
16	-2846.00	7561.00	2308.00	11390.00	50450.00	12040.00	16
17	-4729.00	9820.00	2499.00	17330.00	51340.00	16200.00	17
18	-4540.00	8502.00	5755.00	20970.00	53860.00	22590.00	18
19	-3630.00	9286.00	1925.00	15610.00	51040.00	15900.00	19
20	-4540.00	7435.00	3840.00	17330.00	51040.00	17990.00	20
21	-4320.00	7718.00	1159.00	9671.00	50590.00	9514.00	21
22	-3380.00	7969.00	584.50	10630.00	49700.00	10110.00	22
23	-5732.00	8690.00	3936.00	22020.00	51630.00	22740.00	23
24	-4603.00	9004.00	1925.00	20590.00	50590.00	21700.00	24
25	-4916.00	6996.00	4415.00	12160.00	50740.00	14420.00	25
26	-3944.00	7592.00	3553.00	12450.00	51780.00	14270.00	26
27	-4728.00	7561.00	3649.00	14460.00	52230.00	14420.00	27
28	-2438.00	8157.00	2882.00	14650.00	50150.00	15900.00	28
29	-2533.00	8314.00	2595.00	11870.00	50890.00	12780.00	29
30	-2219.00	8377.00	4127.00	22980.00	55050.00	22290.00	30
31	-5324.00	7781.00	2500.00	16370.00	49260.00	16200.00	31
32	-4798.00	8816.00	-2001.00	14550.00	45240.00	15760.00	32
33	-6140.00	7717.00	4798.00	15220.00	50140.00	15600.00	33
34	-5199.00	4957.00	5851.00	13210.00	54460.00	14570.00	34
35	-3912.00	4173.00	7287.00	11200.00	53570.00	13380.00	35
36	-4728.00	6933.00	4798.00	14460.00	51180.00	14560.00	36
37	-3881.00	3012.00	5564.00	10050.00	57870.00	14410.00	37
38	-4477.00	4549.00	6808.00	12640.00	58470.00	17090.00	38
39	-6453.00	4957.00	6617.00	17240.00	58020.00	22590.00	39
40	-4351.00	4612.00	4702.00	11680.00	57880.00	15310.00	40
41	-2658.00	3357.00	5659.00	12070.00	55640.00	16640.00	41
42	-1967.00	5804.00	8149.00	12260.00	55940.00	15750.00	42
43	-4728.00	4173.00	6138.00	10820.00	47320.00	11590.00	43
44	-4610.00	4863.00	4702.00	12640.00	45090.00	14120.00	44
45	-6767.00	8471.00	3361.00	22410.00	45690.00	26010.00	45
46	-7646.00	5208.00	2117.00	13690.00	43460.00	14270.00	46
47	-6767.00	7279.00	3840.00	23270.00	44050.00	30320.00	47
48	-5826.00	8094.00	5276.00	24700.00	46430.00	28240.00	48

FLIGHT LOADS

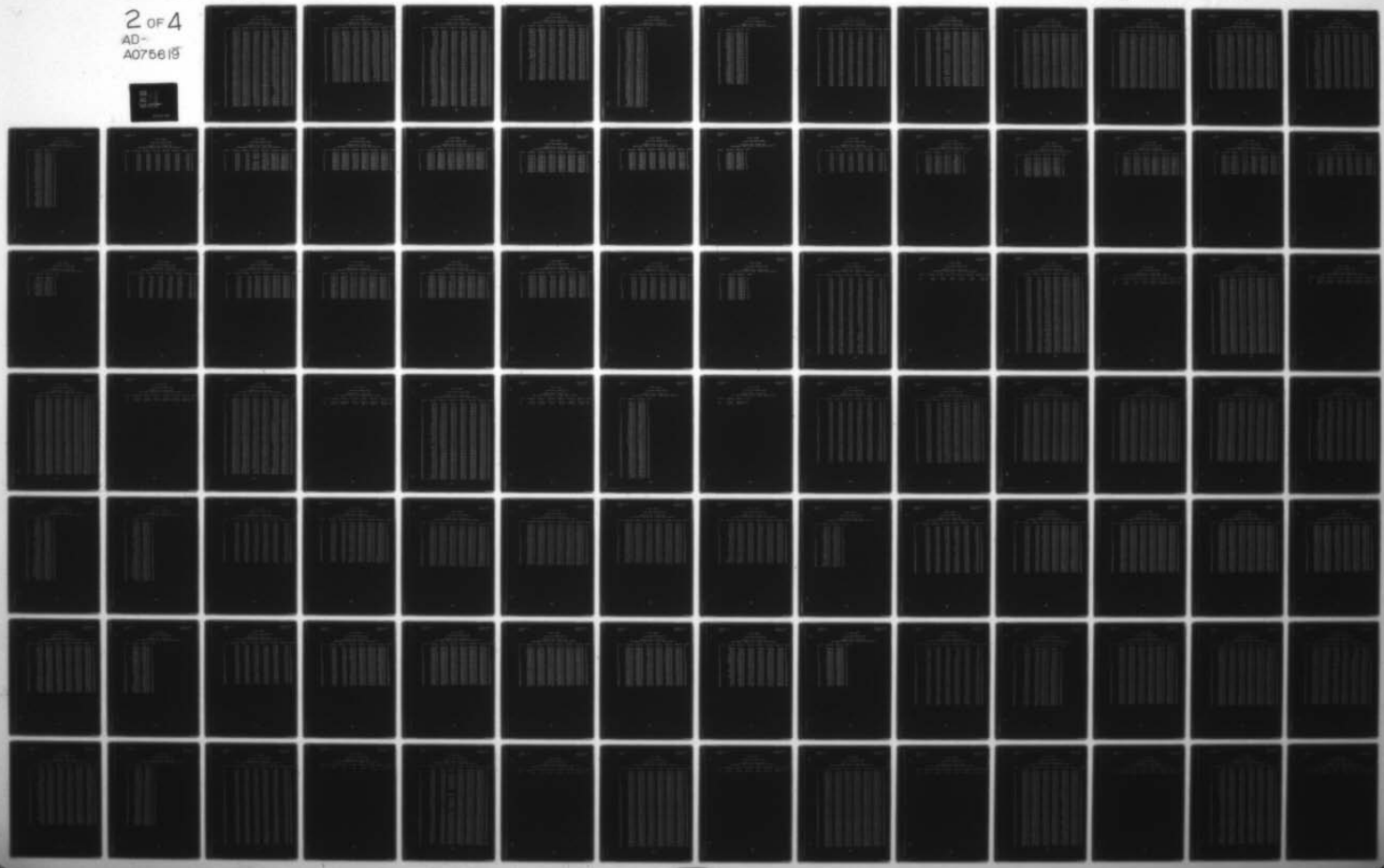
CH-46 FGB STRESS SURVEY

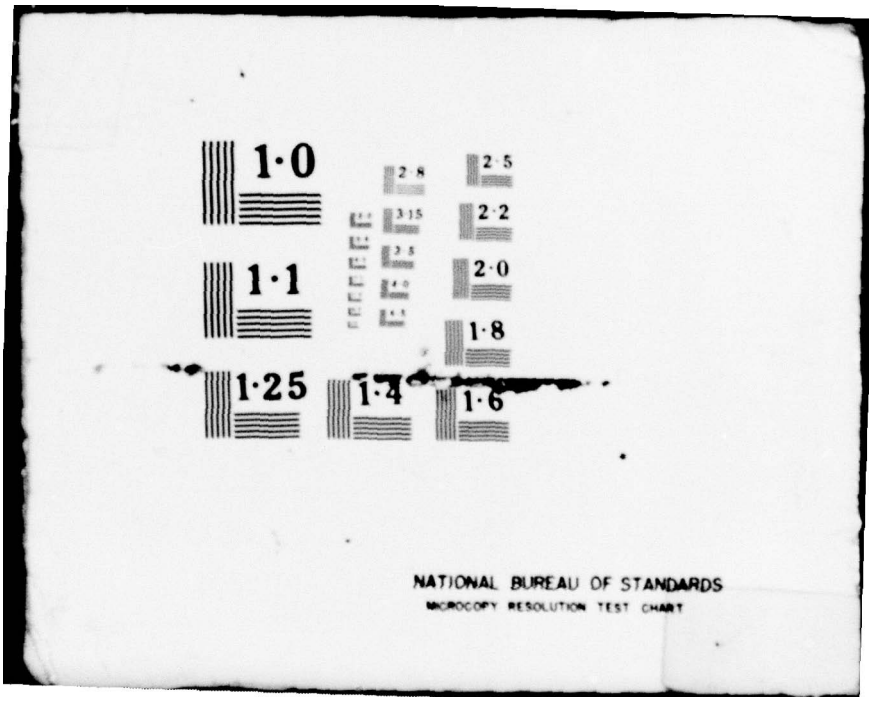
AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVE
49	-5355.00	7373.00	6425.00	25660.00	46730.00	31510.00	49
50	-4948.00	8596.00	7287.00	30160.00	48360.00	37010.00	50
51	-5543.00	8565.00	7383.00	30450.00	49100.00	38050.00	51
52	-4352.00	5239.00	5181.00	8714.00	46730.00	8621.00	52
53	-4979.00	4298.00	3936.00	9193.00	47470.00	10550.00	53
54	-5136.00	1631.00	871.50	4022.00	45690.00	4311.00	54
55	-5732.00	2792.00	1638.00	8809.00	44800.00	7581.00	55
56	-4540.00	2792.00	1542.00	6990.00	45840.00	6243.00	56
57	-5042.00	4863.00	3361.00	9001.00	46880.00	9068.00	57
58	-4289.00	5051.00	3457.00	10250.00	42270.00	10110.00	58
59	-4791.00	3733.00	6330.00	10630.00	44050.00	11000.00	59
60	-5199.00	4392.00	5659.00	11870.00	43460.00	12780.00	60
61	-7332.00	9914.00	6138.00	33800.00	47470.00	40870.00	61
62	-5983.00	4549.00	5372.00	10630.00	42570.00	11890.00	62
63	-7363.00	8000.00	4223.00	20970.00	44200.00	23930.00	63
64	-4100.00	4863.00	5181.00	9097.00	47170.00	10550.00	64
65	-5763.00	4706.00	5372.00	10630.00	45990.00	13530.00	65
66	-6422.00	3671.00	4702.00	11110.00	45240.00	12780.00	66
67	-6391.00	8910.00	680.00	19730.00	42120.00	22450.00	67
68	-6203.00	3639.00	3361.00	11490.00	44500.00	12340.00	68
69	-6924.00	5114.00	1350.00	14270.00	42860.00	15460.00	69
70	-7834.00	6149.00	2116.00	19250.00	44640.00	24670.00	70
71	-3191.00	4267.00	5181.00	11780.00	51340.00	14120.00	71
72	-4885.00	4580.00	5468.00	13980.00	53570.00	17540.00	72
73	-5198.00	7216.00	3266.00	20970.00	48800.00	25260.00	73
74	-2375.00	5836.00	3745.00	12060.00	50140.00	15600.00	74
75	-1999.00	5522.00	4415.00	11590.00	50440.00	15900.00	75
76	-3065.00	4706.00	4893.00	10530.00	50300.00	14860.00	76
77	-6893.00	6651.00	2117.00	19050.00	50440.00	23630.00	77
78	-4665.00	6557.00	5851.00	19530.00	48360.00	24230.00	78
79	-7520.00	7279.00	2404.00	18770.00	48650.00	25410.00	79
80	-5324.00	6839.00	4319.00	17040.00	40190.00	16950.00	80

AD-A075 619 BOEING VERTOL CO PHILADELPHIA PA F/G 1/3
CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)
1978 R AIELLO, J BENDO N00019-75-C-0396
UNCLASSIFIED D210-11168-3-VOL-10 NL

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	33480.00	10640.00	-76.72	1476.00	-619.90	1373.00	2
3	34300.00	7483.00	314.80	843.40	-230.70	746.00	3
4	37630.00	6485.00	495.60	843.40	-144.20	659.50	4
5	38630.00	7150.00	446.20	933.80	-101.00	745.90	5
6	39300.00	7150.00	706.40	994.00	-122.60	767.60	6
7	40130.00	6651.00	826.90	873.50	-46.94	648.60	7
8	40460.00	8979.00	947.40	1054.00	-25.31	908.10	8
9	40960.00	9810.00	1128.00	1175.00	-79.38	1027.00	9
10	40130.00	9644.00	1158.00	1084.00	-79.34	983.80	10
11	42290.00	9478.00	1188.00	1295.00	-79.38	1178.00	11
12	42620.00	9478.00	1520.00	1205.00	-46.94	994.60	12
13	44620.00	9145.00	1610.00	1476.00	-133.40	1211.00	13
14	46450.00	15630.00	1279.00	4819.00	-1182.00	4011.00	14
15	47110.00	11640.00	947.20	4488.00	-1291.00	3708.00	15
16	45450.00	9644.00	1520.00	3132.00	-955.10	2681.00	16
17	43790.00	13630.00	1369.00	5693.00	-1101.00	4449.00	17
18	45280.00	20450.00	826.50	6115.00	-615.00	4935.00	18
19	43450.00	12640.00	1098.00	4939.00	-1393.00	4157.00	19
20	41630.00	14130.00	1670.00	4247.00	-1107.00	3633.00	20
21	44950.00	9478.00	1760.00	2711.00	-619.90	2411.00	21
22	44790.00	7316.00	2152.00	2440.00	-565.80	2184.00	22
23	41790.00	18620.00	2483.00	5482.00	-1096.00	4335.00	23
24	41290.00	17460.00	2032.00	5512.00	-1015.00	4535.00	24
25	43620.00	14470.00	2031.00	2259.00	-609.10	2011.00	25
26	46450.00	12300.00	2122.00	2891.00	-814.50	2562.00	26
27	45450.00	11970.00	2213.00	3103.00	-1052.00	2714.00	27
28	44950.00	15800.00	2272.00	1958.00	-68.56	1665.00	28
29	45280.00	9811.00	2092.00	3223.00	-1020.00	2659.00	29
30	45450.00	21610.00	2062.00	5422.00	-1026.00	4525.00	30
31	43620.00	14130.00	2122.00	4277.00	-1031.00	4249.00	31
32	40630.00	10810.00	1550.00	4669.00	-879.70	4573.00	32
33	44620.00	12470.00	1791.00	3765.00	-1409.00	3590.00	33
34	45950.00	12800.00	2062.00	2771.00	-728.00	2368.00	34
35	44950.00	13140.00	2815.00	1536.00	-46.94	1211.00	35
36	44620.00	10140.00	1610.00	3885.00	-1258.00	3330.00	36
37	49610.00	13800.00	3056.00	1415.00	136.80	1070.00	37
38	48940.00	16790.00	3056.00	1596.00	-3.69	1254.00	38
39	44110.00	20950.00	2464.00	2048.00	50.38	1459.00	39
40	50600.00	15800.00	3056.00	2439.00	-3.69	1881.00	40
41	47280.00	16460.00	3086.00	1506.00	71.97	1265.00	41
42	44610.00	14470.00	3718.00	1958.00	547.70	1459.00	42
43	38630.00	9146.00	2032.00	1416.00	-446.90	1265.00	43
44	36970.00	11140.00	1731.00	1958.00	-555.00	1719.00	44
45	35970.00	21450.00	193.50	4579.00	-1663.00	3887.00	45
46	36300.00	11140.00	1580.00	2530.00	-619.90	2173.00	46
47	28460.00	28260.00	-107.50	6326.00	-982.30	4568.00	47
48	40790.00	27260.00	133.50	6266.00	-906.60	4643.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
49	39790.00	28930.00	1158.00	5723.00	-949.80	4600.00	49
50	36130.00	36910.00	194.00	6506.00	-776.90	4773.00	50
51	37470.00	38240.00	405.00	6476.00	-798.50	4752.00	51
52	40130.00	8979.00	1761.00	1024.00	82.78	951.30	52
53	40790.00	9311.00	1761.00	1446.00	-263.20	1232.00	53
54	42120.00	3991.00	1911.00	572.30	-3.69	410.80	54
55	40790.00	6984.00	2092.00	1175.00	115.30	810.80	55
56	40300.00	5487.00	1640.00	783.20	-101.00	551.30	56
57	42960.00	7815.00	2062.00	1506.00	-57.75	1092.00	57
58	37640.00	9145.00	977.50	1928.00	-1031.00	1741.00	58
59	36640.00	9145.00	1490.00	1115.00	-241.50	951.30	59
60	35810.00	11310.00	1429.00	1416.00	-382.10	1222.00	60
61	42120.00	36910.00	-619.50	6356.00	-1101.00	4449.00	61
62	34970.00	8813.00	1128.00	1837.00	-511.80	1611.00	62
63	35470.00	20620.00	1038.00	4638.00	-1247.00	3925.00	63
64	39960.00	10480.00	1219.00	1325.00	-338.80	1200.00	64
65	38630.00	10140.00	1188.00	1777.00	-371.30	1470.00	65
66	37630.00	9478.00	1098.00	1868.00	-501.00	1600.00	66
67	35310.00	16790.00	345.00	3705.00	-1150.00	3005.00	67
68	37970.00	10140.00	1158.00	2410.00	-522.60	1989.00	68
69	37140.00	11970.00	1068.00	2741.00	-501.00	2314.00	69
70	39300.00	21450.00	1038.00	3012.00	-414.50	2508.00	70
71	42290.00	14130.00	1470.00	1777.00	-165.80	1265.00	71
72	44950.00	16790.00	2032.00	1958.00	158.50	1243.00	72
73	41120.00	25600.00	1038.00	2349.00	-241.50	1968.00	73
74	41790.00	15300.00	2453.00	2139.00	320.60	1643.00	74
75	41790.00	16960.00	2122.00	1747.00	-14.50	1222.00	75
76	41790.00	15300.00	2604.00	2229.00	645.00	1341.00	76
77	40130.00	19620.00	1821.00	2048.00	-36.09	1330.00	77
78	44450.00	22940.00	1580.00	2109.00	-641.50	1611.00	78
79	39130.00	25940.00	2212.00	2319.00	7.13	1568.00	79
80	36140.00	17290.00	1459.00	1928.00	-706.40	1438.00	80

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-27.09	939.30	719.40	191.30	1075.00	263.50	2
3	-8.47	623.10	803.50	122.40	1036.00	193.70	3
4	-27.06	548.70	803.50	122.40	1029.00	170.50	4
5	-8.47	604.50	788.20	137.70	1029.00	201.50	5
6	.81	632.40	818.80	137.80	1029.00	201.50	6
7	-8.50	548.70	811.20	114.80	1013.00	170.50	7
8	47.34	790.50	895.30	260.20	1044.00	248.00	8
9	56.63	874.20	887.70	252.50	1036.00	271.20	9
10	84.53	809.10	918.30	237.20	1052.00	255.70	10
11	47.31	920.70	903.00	267.80	1036.00	302.20	11
12	38.03	855.60	926.00	260.20	1029.00	278.90	12
13	-203.80	1116.00	926.00	290.80	1021.00	333.20	13
14	-1031.00	2948.00	941.30	428.50	943.30	596.60	14
15	-994.30	2874.00	910.70	459.20	889.10	619.90	15
16	-771.10	2055.00	910.70	382.60	951.10	526.90	16
17	-575.80	3348.00	987.20	658.10	1013.00	821.30	17
18	-761.90	3627.00	941.30	658.10	989.80	736.10	18
19	-1255.00	3339.00	895.30	443.80	974.30	643.10	19
20	-929.10	2641.00	994.80	405.60	912.30	674.10	20
21	-324.70	2278.00	956.60	336.70	927.80	534.60	21
22	-622.30	2074.00	895.30	306.10	858.10	511.40	22
23	-529.30	3171.00	971.90	658.10	958.80	844.60	23
24	-250.30	3283.00	956.60	658.10	958.80	798.10	24
25	-566.40	1869.00	1003.00	352.00	958.80	488.20	25
26	-892.00	2158.00	1041.00	344.40	951.00	511.40	26
27	-845.50	2390.00	933.60	420.90	982.00	526.90	27
28	-138.70	1367.00	979.50	405.60	966.50	480.40	28
29	-947.80	2325.00	926.00	397.90	881.30	550.10	29
30	-1050.00	3711.00	903.00	726.90	858.10	805.80	30
31	-464.20	2809.00	964.20	635.20	1067.00	658.60	31
32	-761.80	2846.00	987.20	627.50	1083.00	705.10	32
33	-1413.00	2920.00	1064.00	321.40	951.10	557.90	33
34	-585.10	2092.00	1025.00	267.80	966.60	325.40	34
35	112.40	855.60	1056.00	329.10	935.60	232.40	35
36	-1478.00	3116.00	956.60	336.70	927.80	534.60	36
37	214.70	809.10	1324.00	306.10	1013.00	201.50	37
38	251.90	864.90	1316.00	375.00	1029.00	309.90	38
39	-287.50	1479.00	1263.00	535.70	1098.00	457.20	39
40	270.50	1125.00	1178.00	344.30	974.30	302.20	40
41	242.60	855.60	1255.00	313.80	1075.00	217.00	41
42	112.40	1004.00	1278.00	413.20	889.10	371.90	42
43	-8.47	920.70	872.40	283.10	951.10	371.90	43
44	-8.47	1032.00	864.80	198.90	966.60	387.40	44
45	-854.80	2437.00	834.10	459.10	989.80	658.60	45
46	84.53	1386.00	826.50	298.40	1036.00	379.70	46
47	-706.00	2902.00	857.10	573.90	1013.00	619.90	47
48	-854.80	2827.00	795.90	665.80	904.60	666.40	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
49	-724.60	2678.00	818.80	673.40	935.60	666.40	49
50	-529.30	3283.00	803.50	673.40	873.60	697.40	50
51	-929.50	3478.00	857.10	528.00	935.60	635.40	51
52	47.34	660.30	925.90	229.60	958.80	379.70	52
53	-231.70	1032.00	880.00	199.00	920.10	263.40	53
54	65.94	232.50	849.40	153.10	881.30	147.20	54
55	158.90	418.50	826.50	145.40	927.80	193.70	55
56	-64.25	269.70	895.30	153.00	904.60	185.90	56
57	-129.40	948.60	872.40	283.10	912.30	333.20	57
58	-771.10	1646.00	673.40	221.90	772.80	348.70	58
59	-45.66	697.50	673.40	252.50	889.10	294.40	59
60	10.13	902.10	727.00	198.90	896.80	364.20	60
61	-120.10	3580.00	734.70	711.70	1021.00	891.10	61
62	-222.40	1190.00	704.00	237.20	958.80	302.20	62
63	-798.90	2418.00	834.10	581.60	1005.00	612.10	63
64	-64.28	902.10	918.30	267.80	966.60	371.90	64
65	-82.88	976.50	903.00	191.30	974.30	333.20	65
66	-64.28	1032.00	841.80	206.60	989.80	286.70	66
67	-399.10	2111.00	818.80	474.40	1005.00	643.10	67
68	.81	1135.00	841.80	221.90	997.60	247.90	68
69	47.31	1330.00	788.20	244.80	1052.00	333.20	69
70	186.80	1693.00	772.90	290.80	1060.00	418.40	70
71	140.30	753.30	1110.00	382.60	966.60	278.90	71
72	251.90	920.70	1156.00	367.30	1021.00	255.70	72
73	-64.28	1627.00	1094.00	627.50	1199.00	511.40	73
74	521.60	1097.00	1156.00	443.80	889.10	387.40	74
75	186.80	781.20	1194.00	390.30	881.30	333.20	75
76	503.00	818.40	1209.00	436.20	997.60	356.40	76
77	-166.60	1228.00	1094.00	535.70	1153.00	449.40	77
78	186.80	1562.00	1087.00	482.10	1176.00	426.20	78
79	-306.10	1497.00	1087.00	619.80	1176.00	519.20	79
80	-459.50	1255.00	673.40	726.90	850.30	534.70	80

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	A9860SDY	69860ALT	EVENT
2	-8952.00	8169.00	2
3	-13660.00	5954.00	3
4	-13660.00	4847.00	4
5	-14210.00	5400.00	5
6	-12140.00	5539.00	6
7	-14210.00	5123.00	7
8	-8814.00	6093.00	8
9	-7983.00	6093.00	9
10	-8260.00	6093.00	10
11	-5352.00	6231.00	11
12	-7291.00	6508.00	12
13	-7845.00	6785.00	13
14	2125.00	9277.00	14
15	-2029.00	9277.00	15
16	-2445.00	8031.00	16
17	-921.00	9000.00	17
18	-7567.00	11490.00	18
19	-506.00	9692.00	19
20	-9091.00	8862.00	20
21	-10060.00	7062.00	21
22	-15600.00	7062.00	22
23	-14710.00	10380.00	23
24	-12970.00	10250.00	24
25	878.50	11630.00	25
26	-2583.00	7616.00	26
27	-11030.00	13290.00	27
28	-1475.00	9277.00	28
29	-1752.00	7892.00	29
30	-4937.00	11630.00	30
31	-14350.00	10520.00	31
32	-11030.00	13850.00	32
33	5033.00	9416.00	33
34	18880.00	7754.00	34
35	29540.00	5954.00	35
36	-5490.00	9969.00	36
37	43660.00	6785.00	37
38	42420.00	8308.00	38
39	40340.00	8446.00	39
40	42690.00	7200.00	40
41	43520.00	6647.00	41
42	36190.00	7615.00	42
43	10850.00	8031.00	43
44	4002.00	9277.00	44
45	-90.50	11220.00	45
46	879.00	10250.00	46
47	-8122.00	17310.00	47
48	-11310.00	16620.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	69860SDV	69860ALT	EVENT
49	-7429.00	15230.00	49
50	-10610.00	19520.00	50
51	-7290.00	19520.00	51
52	4971.00	6092.00	52
53	-3690.00	5123.00	53
54	-7429.00	2770.00	54
55	-12410.00	8862.00	55
56	-10340.00	4847.00	56
57	-5906.00	11770.00	57
58	-17950.00	6369.00	58
59	2679.00	7062.00	59
60	4556.00	8169.00	60
61	-1337.00	16890.00	61
62	2679.00	7062.00	62
63	-9921.00	10520.00	63
64	15560.00	6646.00	64
65	18050.00	7477.00	65
66	12230.00	8031.00	66
67	6141.00	10800.00	67
68	10430.00	8723.00	68
69	2956.00	10110.00	69
70	-1060.00	13020.00	70
71	47680.00	6646.00	71
72	47960.00	8308.00	72
73	46430.00	10110.00	73
74	47260.00	7062.00	74
75	48920.00	7339.00	75
76	50310.00	8723.00	76
77	43390.00	12050.00	77
78	39650.00	11630.00	78
79	44490.00	9831.00	79
80	1710.00	10520.00	80

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TOGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.54	7.29	11.90	-2.82	14.26	.90	2
4	3.81	2.70	6.79	1.11	14.14	.77	4
5	4.61	3.22	7.84	1.11	14.63	.86	5
6	4.44	3.82	8.33	.62	14.67	1.63	6
7	5.03	7.01	12.04	-3.24	14.26	1.63	7
8	4.65	3.40	8.05	1.18	14.92	.41	8
9	4.68	6.80	11.55	-2.26	13.29	.90	9
10	4.47	7.15	11.69	-2.96	11.74	.90	10
11	4.37	7.74	12.11	-3.45	13.49	1.02	11
12	4.19	7.36	11.62	-3.17	14.67	1.22	12
13	4.42	9.23	13.65	-4.81	15.20	1.51	13
14	4.65	9.29	13.93	-4.78	15.12	1.51	14
15	4.44	9.27	13.72	-4.81	15.32	1.55	15
16	5.54	10.35	15.90	-4.81	15.32	1.79	16
17	5.10	7.15	12.39	-2.11	13.86	.98	17
18	5.00	6.27	11.55	-1.41	14.02	.90	18
19	4.37	4.87	9.24	-.50	14.31	.86	19
20	5.84	7.04	12.88	-1.27	14.06	1.10	20
21	4.93	7.39	12.32	-2.47	13.77	1.06	21
22	6.40	9.85	16.53	-3.66	12.22	1.63	22
23	4.54	7.50	12.04	-3.45	13.65	.94	23
24	5.21	8.94	14.14	-3.73	16.14	1.88	24
25	5.66	7.99	13.65	-3.17	11.49	1.14	25
26	5.10	8.27	13.37	-3.45	13.86	1.22	26
27	4.51	8.16	13.93	-3.66	12.51	1.26	27
28	6.09	9.88	15.97	-4.15	14.47	1.59	28
29	6.89	9.57	16.66	-4.15	15.49	1.71	29
30	6.40	11.18	17.58	-4.81	13.45	1.88	30
31	4.37	7.11	11.48	-3.03	14.02	1.47	31
32	4.16	7.74	12.32	-3.59	13.94	1.63	32
33	3.88	7.53	11.97	-3.66	14.43	1.47	33
34	3.81	7.11	11.06	-3.31	14.43	1.55	34
35	6.49	11.30	17.86	-4.81	12.76	2.41	35
36	4.58	6.69	11.27	-2.53	10.96	.94	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	12.80	3.30	1184.00	1925.00	13630.00	7800.00	2
4	11.59	4.03	1184.00	1629.00	14990.00	5426.00	4
5	11.88	4.60	739.50	1778.00	13290.00	6443.00	5
6	12.15	3.03	443.50	1778.00	11770.00	8309.00	6
7	12.21	10.55	-889.50	3999.00	4305.00	16110.00	7
8	13.26	2.84	740.00	1481.00	14140.00	5257.00	8
9	12.18	2.46	888.00	1629.00	16850.00	6613.00	9
10	11.31	2.41	1036.00	2370.00	15160.00	10680.00	10
11	12.64	1.19	887.50	2222.00	15500.00	7969.00	11
12	14.13	2.14	739.50	2370.00	15500.00	7630.00	12
13	14.99	2.95	-149.00	5332.00	17190.00	24590.00	13
14	15.21	2.90	1480.00	4591.00	17190.00	19160.00	14
15	15.56	3.09		4900.00	15160.00	17470.00	15
16	14.86	3.52	2000.00	2500.00	19400.00	25770.00	16
17	12.15	3.19	740.00	2962.00	12610.00	13900.00	17
18	12.69	2.92	295.00	4591.00	16510.00	16110.00	18
19	12.37	3.46	443.50	2370.00	14310.00	9495.00	19
20	12.86	3.57	2221.00	4443.00	19230.00	19160.00	20
21	12.29	3.71	887.50	4888.00	13800.00	21870.00	21
22	11.13	3.63	2073.00	5776.00	20580.00	26280.00	22
23	12.18	2.84	443.00	1481.00	15160.00	6274.00	23
24	14.97	2.70	1184.00	2222.00	15330.00	8478.00	24
25	12.02	2.46	1777.00	3407.00	14820.00	14070.00	25
26	12.77	3.27	887.50	1926.00	17530.00	9326.00	26
27	12.94	4.47	1925.00	5036.00	18550.00	21530.00	27
28	11.53	4.90	1184.00	3999.00	19740.00	18310.00	28
29	15.16	5.17	739.50	6221.00	19060.00	28490.00	29
30	13.10	5.11		6500.00	17530.00	28660.00	30
31	13.15	3.38	887.50	2222.00	13970.00	8817.00	31
32	12.99	3.44	1184.00	2814.00	15330.00	9835.00	32
33	13.59	3.11	147.00	3258.00	14650.00	10510.00	33
34	13.29	4.17	887.50	1926.00	14990.00	8478.00	34
35	11.23	3.30	0.0	4500.00	9053.00	42220.00	35
36	11.83	3.63	-149.00	6516.00	11260.00	28150.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TGGW 20800 TGCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	3926.00	3658.00	2522.00	3249.00	-5114.00	4744.00	2
4	4627.00	2101.00	2406.00	1431.00	-3350.00	3485.00	4
5	4315.00	2257.00	2328.00	1664.00	-3644.00	3527.00	5
6	4121.00	2762.00	2676.00	1780.00	-2301.00	3275.00	6
7	1086.00	5954.00	1361.00	3249.00	-1252.00	6256.00	7
8	4549.00	2256.00	2715.00	2205.00	-3686.00	1722.00	8
9	4743.00	2296.00	2522.00	3249.00	-5156.00	5122.00	9
10	3926.00	3502.00	1671.00	4488.00	-4652.00	5542.00	10
11	5210.00	4397.00	2328.00	4526.00	-5156.00	4954.00	11
12	5288.00	4553.00	2018.00	5068.00	-5827.00	4199.00	12
13	2487.00	9534.00	1090.00	7080.00	-5114.00	10290.00	13
14	4627.00	9417.00	548.50	7080.00	-5366.00	9950.00	14
15	4198.00	9689.00	1052.00	6964.00	-5282.00	9950.00	15
16	3810.00	10000.00	548.50	9324.00	-4904.00	10500.00	16
17	4160.00	4046.00	1477.00	4062.00	-6037.00	9195.00	17
18	5211.00	4630.00	2406.00	4990.00	-5324.00	8817.00	18
19	4393.00	3658.00	1864.00	3211.00	-4400.00	5122.00	19
20	5521.00	5720.00	2444.00	5029.00	-5576.00	9908.00	20
21	6027.00	7471.00	2289.00	5416.00	-5072.00	10410.00	21
22	4977.00	10000.00	2289.00	5958.00	-6122.00	13810.00	22
23	4704.00	2724.00	2521.00	3714.00	-4778.00	4492.00	23
24	4417.00	3657.00	3140.00	3714.00	-5365.00	5668.00	24
25	4782.00	5214.00	2560.00	5610.00	-4988.00	9488.00	25
26	4354.00	3385.00	1941.00	5068.00	-4568.00	6213.00	26
27	5249.00	8483.00	857.50	5610.00	-6206.00	12300.00	27
28	4704.00	6070.00	2831.00	6035.00	-4736.00	11340.00	28
29	5716.00	11130.00	2715.00	6306.00	-7423.00	15110.00	29
30	5444.00	10160.00	2522.00	5958.00	-6248.00	15280.00	30
31	4782.00	5370.00	1554.00	5300.00	-4862.00	5080.00	31
32	5171.00	5759.00	1709.00	5919.00	-6877.00	5668.00	32
33	5016.00	5603.00	1671.00	5726.00	-6121.00	5920.00	33
34	5249.00	5136.00	2173.00	5300.00	-6457.00	5416.00	34
35	73.50	13500.00	1999.00	11740.00	-8935.00	15200.00	35
36	5327.00	9261.00	2328.00	7544.00	91.50	12890.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-5323.00	4141.00	2495.00	12170.00	42100.00	13530.00	2
4	-4006.00	3638.00	4.00	7569.00	42250.00	6541.00	4
5	-4916.00	4047.00	291.50	8240.00	42250.00	8027.00	5
6	-3190.00	3764.00	-2104.00	8144.00	39420.00	6689.00	6
7	-2469.00	6430.00	579.00	10060.00	43580.00	8770.00	7
8	-5198.00	2384.00	2207.00	8048.00	45520.00	8027.00	8
9	-5229.00	3858.00	3645.00	11400.00	45810.00	12490.00	9
10	-4727.00	4109.00	3932.00	10730.00	45220.00	11590.00	10
11	-7080.00	3889.00	3262.00	13320.00	44770.00	15010.00	11
12	-7268.00	3638.00	2303.00	13890.00	44180.00	15610.00	12
13	-6735.00	7810.00	4220.00	26920.00	45810.00	31810.00	13
14	-8366.00	7497.00	1058.00	22800.00	45960.00	26900.00	14
15	-6609.00	7497.00	3645.00	26540.00	48040.00	32840.00	15
16	-4288.00	8500.00	7286.00	32860.00	48780.00	43100.00	16
17	-5668.00	7748.00	3645.00	13510.00	43880.00	16200.00	17
18	-3222.00	8814.00	3261.00	15040.00	42690.00	17090.00	18
19	-5449.00	4893.00	2974.00	11110.00	46410.00	12780.00	19
20	-4044.00	8877.00	4028.00	16770.00	43440.00	19620.00	20
21	-8460.00	9535.00	2016.00	18010.00	45660.00	24820.00	21
22	-4359.00	10950.00	4890.00	22230.00	48040.00	27800.00	22
23	-5919.00	3231.00	2591.00	10730.00	44180.00	11450.00	23
24	-7707.00	5144.00	-188.00	15430.00	42250.00	18130.00	24
25	-5292.00	8500.00	4603.00	15430.00	44330.00	18430.00	25
26	-5386.00	5897.00	3836.00	13510.00	45370.00	14420.00	26
27	-5794.00	10130.00	3357.00	20700.00	43280.00	23040.00	27
28	-5041.00	10380.00	2687.00	19830.00	41060.00	24380.00	28
29	-5919.00	11760.00	2878.00	25200.00	44470.00	31660.00	29
30	-7268.00	12360.00	1537.00	27310.00	46400.00	31210.00	30
31	-6139.00	4329.00	4124.00	15710.00	43730.00	17840.00	31
32	-7299.00	6179.00	-571.50	16770.00	43290.00	20960.00	32
33	-8052.00	5175.00	4315.00	17050.00	47000.00	19620.00	33
34	-4484.00	5677.00	2878.00	21370.00	45220.00	24670.00	34
35	-5731.00	14080.00	-3350.00	42540.00	41000.00	14000.00	35
36	-4226.00	13640.00	1153.00	16580.00	40910.00	19770.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	36450.00	14310.00	-802.50	1356.00	-470.30	1178.00	2
4	38280.00	5490.00	975.80	1145.00	-135.20	821.70	4
5	39270.00	6821.00	1217.00	1085.00	-232.50	789.20	5
6	38940.00	4825.00	1006.00	1055.00	156.80	616.30	6
7	37780.00	7986.00	1338.00	1808.00	113.50	1265.00	7
8	39770.00	7321.00	794.90	843.90	-81.13	529.80	8
9	38440.00	10980.00	583.90	1296.00	-351.40	1103.00	9
10	37610.00	9816.00	463.40	1718.00	-437.90	1405.00	10
11	36610.00	11480.00	373.00	2230.00	-556.80	1870.00	11
12	36950.00	12810.00	463.40	2863.00	-589.30	2335.00	12
13	37610.00	29110.00	-140.00	4551.00	-1676.00	3876.00	13
14	37610.00	25790.00	1036.00	4219.00	-956.90	3892.00	14
15	39270.00	30780.00	884.90	4189.00	-1249.00	4011.00	15
16	37610.00	43750.00	-562.00	6902.00	-800.20	4752.00	16
17	37780.00	13640.00	1157.00	1567.00	16.19	1254.00	17
18	38780.00	17970.00	-49.00	2110.00	-405.40	1827.00	18
19	39940.00	12480.00	734.70	1869.00	-383.80	1503.00	19
20	35280.00	18130.00	403.10	2019.00	-805.50	1622.00	20
21	44090.00	24950.00	794.90	2894.00	-708.20	2260.00	21
22	36780.00	27620.00	-381.00	4973.00	-1946.00	3606.00	22
23	38110.00	9450.00	433.30	1628.00	-513.60	1395.00	23
24	35280.00	17470.00	915.50	1929.00	-243.30	1751.00	24
25	34940.00	15810.00	493.50	2110.00	-437.90	1751.00	25
26	37440.00	12980.00	523.70	2200.00	-610.90	1795.00	26
27	37440.00	21630.00	493.20	4099.00	-848.70	2703.00	27
28	36450.00	25950.00	-592.00	3557.00	-1530.00	3341.00	28
29	36450.00	23950.00	-109.50	5004.00	-1325.00	3935.00	29
30	42600.00	30110.00	-2220.00	6029.00	-1600.00	3952.00	30
31	35610.00	15470.00	855.20	3135.00	-275.80	2324.00	31
32	38940.00	19300.00	342.80	3647.00	-848.70	2854.00	32
33	39440.00	16970.00	463.40	3105.00	-556.80	2584.00	33
34	35950.00	23130.00	373.00	3074.00	-286.50	2487.00	34
35	36000.00	12000.00	-5611.00	10440.00	-1060.00	4492.00	35
36	37940.00	23460.00	523.70	2441.00	-254.10	1654.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-46.66	828.60	780.40	206.60	996.10	294.40	2
4	-111.80	688.90	834.00	168.30	887.70	216.90	4
5	195.40	474.80	826.30	176.00	934.20	232.40	5
6	-.09	391.00	864.60	244.80	825.70	201.40	6
7	-9.41	791.30	1064.00	413.20	771.50	395.10	7
8	-37.34	335.20	826.30	130.10	934.20	124.00	8
9	-9.41	791.30	803.40	168.30	1019.00	317.60	9
10	37.13	949.60	864.60	244.80	980.70	340.80	10
11	-28.03	1071.00	795.70	191.30	1027.00	325.30	11
12	-28.03	1294.00	757.50	229.50	1058.00	263.40	12
13	-875.20	2681.00	795.70	619.80	1019.00	658.40	13
14	-614.60	2197.00	772.80	489.70	1035.00	627.40	14
15	-288.70	2113.00	788.10	489.70	1012.00	635.20	15
16	-712.40	4083.00	749.80	604.50	972.90	689.40	16
17	-186.30	1303.00	811.00	329.00	1058.00	557.70	17
18	-1108.00	1797.00	703.90	374.90	1019.00	565.50	18
19	-316.70	1248.00	864.60	275.50	980.70	309.80	19
20	-391.10	1545.00	734.50	466.80	988.40	596.40	20
21	-679.70	2318.00	803.40	535.60	1012.00	650.70	21
22	-28.03	2486.00	788.10	627.40	1097.00	875.30	22
23	-83.88	903.10	841.60	145.40	1004.00	286.60	23
24	-437.70	1573.00	772.80	214.20	1012.00	371.80	24
25	-.09	1434.00	849.30	367.30	988.40	581.00	25
26	37.16	1229.00	795.80	237.20	988.40	379.60	26
27	-633.20	2197.00	650.30	566.20	1089.00	790.10	27
28	-167.70	2402.00	658.00	451.40	972.90	689.40	28
29	-1118.00	3184.00	650.30	734.50	1151.00	945.10	29
30	-1346.00	3449.00	688.60	726.90	1097.00	968.30	30
31	65.06	1369.00	788.10	275.50	980.70	309.80	31
32	-195.60	1611.00	757.50	306.10	1120.00	356.30	32
33	27.84	1499.00	772.80	306.10	1081.00	364.10	33
34	186.10	1657.00	780.40	267.80	1081.00	317.60	34
35	-1122.00	3673.00	1125.00	948.80	1012.00	976.00	35
36	-484.20	1639.00	765.10	711.60	663.00	797.80	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	A9860SDY	69860ALT	EVENT
2	-1198.00	8170.00	2
4	-1890.00	6093.00	4
5	-6598.00	6647.00	5
6	-1613.00	11360.00	6
7	-1336.00	11360.00	7
8	-7568.00	4293.00	8
9	1849.00	7893.00	9
10	11960.00	8309.00	10
11	3511.00	9832.00	11
12	-1752.00	11220.00	12
13	-7291.00	14820.00	13
14	-6875.00	14680.00	14
15	-8953.00	15650.00	15
16	-10480.00	22430.00	16
17	-2444.00	9416.00	17
18	-3552.00	9970.00	18
19	-2998.00	8585.00	19
20	-5906.00	12320.00	20
21	-5214.00	11350.00	21
22	9465.00	17170.00	22
23	325.50	8032.00	23
24	-16980.00	15090.00	24
25	10710.00	11220.00	25
26	-505.00	10520.00	26
27	3510.00	12600.00	27
28	-5075.00	14260.00	28
29	-8537.00	15790.00	29
30	1434.00	18560.00	30
31	1157.00	12740.00	31
32	1987.00	14960.00	32
33	-2167.00	12460.00	33
34	-2167.00	13850.00	34
35	8773.00	26730.00	35
36	4280.00	10660.00	36

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.21	7.01	11.36	-2.87	11.94	.78	2
3	4.38	8.31	12.69	-4.06	12.72	.98	3
4	4.38	8.73	13.11	-4.41	12.02	1.02	4
5	4.24	8.38	12.62	-4.13	13.95	1.06	5
6	4.72	9.51	14.23	-4.80	14.23	1.43	6
7	4.21	7.64	11.92	-3.43	11.86	.94	7
8	4.00	7.15	11.36	-3.15	10.42	.82	8
9	4.07	5.68	9.75	-1.61	8.50	.61	9
10	4.24	8.73	13.60	-4.48	14.19	1.39	10
11	5.12	9.88	15.00	-4.80	13.99	1.76	11
12	4.63	6.17	10.87	-1.61	12.84	.78	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	11.95	2.20	681.00	2222.00	14130.00	7811.00	2
3	12.85	2.15	829.00	1481.00	13790.00	5434.00	3
4	12.43	2.26	532.50	1778.00	12260.00	6962.00	4
5	13.94	1.11	829.00	1778.00	15320.00	8660.00	5
6	12.94	2.20		5000.00	13450.00	22410.00	6
7	11.63	1.41	236.50	2074.00	11750.00	10190.00	7
8	10.33	1.96	-208.00	4000.00	11410.00	16300.00	8
9	8.40	1.94	1570.00	3704.00	9543.00	14770.00	9
10	14.47	2.81	1422.00	5333.00	19050.00	25980.00	10
11	12.67	3.34	-8207.00	12890.00	11070.00	29890.00	11
12	12.51	3.24	1422.00	4445.00	10730.00	20040.00	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	3813.00	2642.00	1714.00	3865.00	-4162.00	5543.00	2
3	4473.00	2835.00	2487.00	4019.00	-4750.00	4619.00	3
4	4745.00	3263.00	2332.00	4329.00	-4414.00	5627.00	4
5	5250.00	4234.00	2294.00	4058.00	-5506.00	5459.00	5
6	3618.00	9518.00	747.50	5373.00	-5086.00	10580.00	6
7	4589.00	4351.00	1676.00	4599.00	-4750.00	6215.00	7
8	3541.00	5710.00	245.00	5334.00	-4666.00	7811.00	8
9	3113.00	5749.00	206.50	5373.00	-4960.00	5165.00	9
10	2569.00	10640.00	593.00	6841.00	-5758.00	10500.00	10
11	4609.00	11270.00	-218.50	7885.00	-4960.00	11880.00	11
12	4395.00	6721.00	2139.00	6609.00	-3196.00	7265.00	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4222.00	4364.00	4457.00	10070.00	49100.00	10720.00	2
3	-5729.00	3736.00	3978.00	11700.00	47910.00	11910.00	3
4	-5761.00	4835.00	4458.00	11790.00	48650.00	12650.00	4
5	-7582.00	4207.00	2540.00	13330.00	46270.00	15630.00	5
6	-6797.00	9198.00	2827.00	23010.00	47460.00	28730.00	6
7	-4514.00	5275.00	4266.00	12750.00	48360.00	14440.00	7
8	-4640.00	6028.00	3978.00	15150.00	47760.00	17420.00	8
9	-5416.00	5180.00	5320.00	13810.00	47460.00	15330.00	9
10	-8241.00	8822.00	4553.00	25120.00	49390.00	31550.00	10
11	-7613.00	10960.00	1102.00	29150.00	49100.00	35130.00	11
12	-5541.00	7315.00	3978.00	13230.00	44040.00	15780.00	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	44770.00	8330.00	7279.00	1541.00	3279.00	967.60	2
3	43110.00	9329.00	7249.00	1994.00	3143.00	1194.00	3
4	42770.00	11330.00	7279.00	2024.00	3143.00	1225.00	4
5	41940.00	12160.00	7581.00	2206.00	3098.00	1360.00	5
6	43600.00	27480.00	6161.00	5439.00	2327.00	3190.00	6
7	42770.00	10660.00	7460.00	1843.00	3204.00	1164.00	7
8	42610.00	11490.00	7612.00	1995.00	3188.00	1119.00	8
9	43270.00	12490.00	7400.00	2085.00	3128.00	1149.00	9
10	43270.00	29820.00	7249.00	5076.00	2372.00	3115.00	10
11	47940.00	36480.00	4107.00	7191.00	1828.00	4052.00	11
12	42270.00	17160.00	7430.00	1934.00	3158.00	1058.00	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	3053.00	905.30	906.00	183.90	984.90	341.30	2
3	2973.00	1038.00	898.30	160.90	1024.00	287.00	3
4	2920.00	1038.00	906.00	199.20	1008.00	349.00	4
5	2933.00	1132.00	821.80	206.90	1055.00	349.00	5
6	2507.00	2436.00	898.40	574.60	1031.00	698.00	6
7	3013.00	998.50	875.40	229.90	1024.00	411.10	7
8	3026.00	1198.00	898.40	390.80	1024.00	488.60	8
9	2959.00	1158.00	982.60	367.80	1039.00	302.50	9
10	2627.00	2742.00	806.40	712.50	1094.00	682.50	10
11	2094.00	2875.00	722.20	873.40	1109.00	713.50	11
12	3053.00	1038.00	783.40	505.70	907.30	465.30	12

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	69860SDY	69860ALT	EVENT
2	11620.00	7484.00	2
3	5382.00	8731.00	3
4	10090.00	9562.00	4
5	-2240.00	9978.00	5
6	-4735.00	12470.00	6
7	11200.00	9008.00	7
8	22840.00	7900.00	8
9	35320.00	7345.00	9
10	-715.50	13440.00	10
11	-2656.00	22040.00	11
12	8154.00	8731.00	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.66	6.78	11.44	-2.26	12.22	.82	2
4	4.17	6.43	10.67	-2.26	13.46	.90	4
5	4.38	6.43	10.95	-2.26	14.11	1.07	5
6	4.28	8.07	12.35	-3.80	15.84	1.40	6
7	4.17	7.90	12.07	-3.73	15.39	1.27	7
8	4.17	7.48	11.79	-3.31	15.51	1.31	8
9	5.12	8.98	14.10	-4.50	15.92	1.73	9
10	5.19	9.40	14.73	-4.43	15.51	1.73	10
11	4.07	6.05	10.18	-1.98	15.43	1.15	11
12	4.77	7.44	12.21	-3.03	15.59	1.40	12
13	4.38	6.50	10.88	-2.12	15.06	1.11	13
14	4.21	7.02	11.30	-2.89	15.43	1.23	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	1197.00	2070.00	15610.00	8644.00	2
4	753.50	1923.00	12730.00	5762.00	4
5	310.00	2366.00	13580.00	7966.00	5
6	-281.50	4141.00	14430.00	18980.00	6
7	161.50	3993.00	14090.00	15250.00	7
8	605.50	2662.00	10530.00	10680.00	8
9	753.00	4880.00	18320.00	26270.00	9
10	1345.00	5767.00	17650.00	28980.00	10
11	1049.00	2810.00	11210.00	11020.00	11
12	753.00	5767.00	17650.00	25930.00	12
13	1493.00	2366.00	16120.00	8813.00	13
14	161.50	3106.00	12560.00	11690.00	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	49720SDY	49720ALT	49740SDY	49740ALT	EVENT
2	4706.00	2957.00	-4739.00	4951.00	2
4	4784.00	4047.00	-5159.00	3272.00	4
5	5251.00	4747.00	-5411.00	4531.00	5
6	4200.00	8601.00	-5873.00	10110.00	6
7	4511.00	8211.00	-5117.00	9188.00	7
8	5251.00	5370.00	-4572.00	6712.00	8
9	2643.00	10620.00	-7508.00	11330.00	9
10	3110.00	13040.00	-5621.00	12210.00	10
11	3694.00	5993.00	-4152.00	7719.00	11
12	3227.00	11130.00	-2978.00	11080.00	12
13	5134.00	4553.00	-4823.00	7048.00	13
14	4550.00	5215.00	-5746.00	7720.00	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TGGW 20800 TGCG 9.7 AFT FLIGHT DATE 03/18/77

EVENT	49750SDY	43750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-5261.00	3578.00	5180.00	11570.00	46750.00	12340.00	2
4	-6454.00	2887.00	4888.00	12640.00	46450.00	13230.00	4
5	-7489.00	3609.00	6055.00	16530.00	47790.00	18730.00	5
6	-9372.00	9194.00	-1725.00	25280.00	45260.00	24230.00	6
7	-8023.00	7468.00	-3670.00	23920.00	47190.00	22890.00	7
8	-8336.00	5335.00	-363.50	25090.00	47340.00	24230.00	8
9	-7395.00	9476.00	5666.00	28200.00	48380.00	35970.00	9
10	-6516.00	9477.00	11890.00	32290.00	53280.00	42060.00	10
11	-5042.00	4299.00	-1628.00	25960.00	46740.00	25110.00	11
12	-6297.00	9571.00	4111.00	28590.00	45850.00	33440.00	12
13	-6673.00	3421.00	123.00	21300.00	48080.00	20210.00	13
14	-6517.00	4393.00	-946.50	25870.00	47050.00	25420.00	14

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	38790.00	9638.00	780.60	1864.00	-504.20	1553.00	2
4	38790.00	10630.00	991.10	2616.00	-483.20	2203.00	4
5	38790.00	16950.00	1171.00	3278.00	-546.20	2644.00	5
6	37460.00	20940.00	510.00	3518.00	-1281.00	3043.00	6
7	37960.00	21770.00	1111.00	3879.00	-651.10	2875.00	7
8	36970.00	22430.00	1773.00	3758.00	-336.30	2854.00	8
9	39790.00	33230.00	539.50	5293.00	-1994.00	4680.00	9
10	42780.00	42200.00	690.00	6285.00	-2225.00	5415.00	10
11	37130.00	24590.00	1483.00	3608.00	-483.20	2791.00	11
12	37630.00	29080.00	419.80	4330.00	-1808.00	4281.00	12
13	39620.00	18110.00	1742.00	3368.00	-525.20	2623.00	13
14	37460.00	23930.00	2043.00	3849.00	-273.30	2959.00	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	9840SDY	49840ALT	EVENT
2	.72	968.90	843.70	199.10	988.30	317.40	2
4	-12.75	1252.00	843.70	214.40	1004.00	224.50	4
5	-66.56	1467.00	782.40	245.10	1027.00	294.20	5
6	512.10	2315.00	690.50	627.90	1197.00	603.90	6
7	727.40	2342.00	843.70	612.70	1081.00	534.30	7
8	579.30	2167.00	813.00	704.50	1182.00	495.50	8
9	-470.30	2893.00	767.10	735.20	1011.00	712.30	9
10	-968.20	3068.00	767.10	750.50	1089.00	774.20	10
11	458.20	1965.00	698.20	650.90	1104.00	433.60	11
12	-726.00	2987.00	759.40	681.60	918.50	681.30	12
13	687.00	2140.00	667.50	467.20	1128.00	425.80	13
14	727.40	2261.00	797.70	765.80	1089.00	464.60	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TOGW 20800 TCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	A9860SDV	69860ALT	EVENT
2	10380.00	8292.00	2
4	3881.00	8983.00	4
5	840.00	11190.00	5
6	-11040.00	13960.00	6
7	-10910.00	12710.00	7
8	-8833.00	13400.00	8
9	-12980.00	15890.00	9
10	-10770.00	18100.00	10
11	-7728.00	12300.00	11
12	-11180.00	14650.00	12
13	-6622.00	11190.00	13
14	-9662.00	13130.00	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
3	4.20	2.21	6.55	1.92	13.34	.24	3
4	3.92	1.30	5.43	2.63	13.26	.16	4
5	3.92	.88	4.80	2.98	13.30	.20	5
6	4.20	1.65	5.92	2.56	13.42	.24	6
7	4.34	5.72	10.06	-1.37	12.38	.64	7
8	4.17	4.28	8.45	-.18	12.66	.52	8
9	3.22	4.10	7.32	-.88	11.59	.56	9
10	3.01	3.26	6.34	-.32	11.71	.52	10
11	3.47	4.42	7.89	-1.02	12.14	.64	11
12	3.22	4.80	8.02	-1.65	11.59	.64	12
13	3.15	5.65	8.87	-2.49	11.47	.68	13
14	3.33	6.59	9.92	-3.41	11.11	.80	14
15	3.50	7.61	11.18	-4.25	11.31	.84	15
16	4.20	6.42	10.62	-2.28	12.50	.76	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVEN
3	11.49	2.48	390.50	2363.00	13090.00	9492.00	3
4	11.67	1.46	981.00	1772.00	12240.00	7628.00	4
5	11.59	1.23	95.50	2068.00	10040.00	8136.00	5
6	11.34	1.15	538.50	2511.00	13090.00	8814.00	6
7	11.54	2.48	390.50	1477.00	13260.00	6611.00	7
8	11.59	1.85	686.00	1772.00	13600.00	7967.00	8
9	11.39	1.12	1129.00	1920.00	13430.00	8136.00	9
10	11.10	.89	1129.00	2215.00	14790.00	8814.00	10
11	11.80	1.90	538.00	2215.00	14110.00	9153.00	11
12	11.18	1.54	981.50	2068.00	12410.00	7458.00	12
13	11.20	1.67	981.00	1772.00	13430.00	6780.00	13
14	11.34	1.98	1277.00	2068.00	13770.00	8136.00	14
15	11.62	2.61	1277.00	2363.00	14110.00	8814.00	15
16	11.52	1.36	243.00	1624.00	12410.00	5085.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
3	2992.00	3459.00	13370.00	14970.00	-3084.00	3442.00	3
4	4119.00	2954.00	14530.00	13810.00	-3503.00	2939.00	4
5	3031.00	3109.00	14900.00	13440.00	-4007.00	3946.00	5
6	4080.00	3537.00	14790.00	13550.00	-2748.00	3358.00	6
7	3769.00	2371.00	14420.00	13920.00	-4259.00	5122.00	7
8	3963.00	2643.00	13860.00	14480.00	-4595.00	5457.00	8
9	3925.00	2915.00	14230.00	14110.00	-4385.00	5667.00	9
10	3847.00	3381.00	16470.00	11870.00	-4385.00	5751.00	10
11	3381.00	3303.00	13820.00	14520.00	-4595.00	5457.00	11
12	3808.00	2954.00	13040.00	15300.00	-4847.00	5625.00	12
13	3847.00	2604.00	13220.00	15110.00	-4343.00	4954.00	13
14	4158.00	2682.00	14160.00	14180.00	-4427.00	5121.00	14
15	4002.00	2915.00	14270.00	14070.00	-4511.00	5373.00	15
16	4391.00	2915.00	13260.00	15080.00	-4847.00	3778.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
3	-3875.00	2729.00	589.50	6092.00	36040.00	7876.00	3
4	-4219.00	2447.00	783.00	5898.00	37970.00	8025.00	4
5	-4533.00	2761.00	9.00	6478.00	37080.00	8619.00	5
6	-3780.00	2761.00	2330.00	5318.00	36480.00	6836.00	6
7	-4031.00	4329.00	3007.00	9476.00	41690.00	10550.00	7
8	-4784.00	5333.00	3007.00	8895.00	42280.00	10250.00	8
9	-4596.00	5521.00	3684.00	9379.00	42730.00	11000.00	9
10	-4439.00	5552.00	3200.00	9282.00	43020.00	11000.00	10
11	-4219.00	4329.00	3200.00	10440.00	42130.00	11590.00	11
12	-4094.00	4454.00	2910.00	9379.00	42130.00	10110.00	12
13	-4125.00	3545.00	3394.00	10060.00	43170.00	10550.00	13
14	-4219.00	3639.00	3974.00	10250.00	43320.00	11000.00	14
15	-4094.00	3890.00	3780.00	10830.00	42730.00	11890.00	15
16	-5474.00	3137.00	4451.00	10730.00	42870.00	11440.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
3	31560.00	8981.00	433.00	902.30	-277.30	652.10	3
4	33390.00	7484.00	282.60	812.10	-277.30	568.00	4
5	33550.00	8980.00	72.00	842.20	-172.10	462.80	5
6	34880.00	7318.00	433.00	1023.00	-256.30	673.20	6
7	36050.00	9480.00	282.60	1053.00	-382.50	1010.00	7
8	36210.00	10310.00	673.60	1083.00	-193.20	904.60	8
9	36380.00	10480.00	763.80	1053.00	-298.30	841.50	9
10	35710.00	10810.00	824.00	1053.00	-235.20	778.30	10
11	34720.00	9479.00	342.70	1293.00	-613.90	1241.00	11
12	34880.00	8981.00	252.50	1323.00	-550.80	1304.00	12
13	35380.00	9479.00	342.70	1354.00	-571.80	1241.00	13
14	35710.00	9147.00	342.70	1474.00	-592.90	1304.00	14
15	34880.00	9313.00	342.70	1594.00	-656.00	1325.00	15
16	34050.00	8814.00	282.60	1895.00	-698.00	1662.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
3	154.30	363.50	812.00	260.40	999.40	224.60	3
4	101.10	336.60	735.40	214.50	983.90	178.10	4
5	181.90	309.60	812.00	214.40	1046.00	240.00	5
6	47.25	471.20	735.40	229.80	991.60	247.80	6
7	-6.63	767.40	812.00	168.50	1100.00	340.70	7
8	181.90	740.40	835.00	206.80	1123.00	363.90	8
9	101.10	740.40	827.30	214.50	1108.00	379.40	9
10	141.50	727.00	827.30	245.10	1116.00	371.70	10
11	20.28	928.90	835.00	237.40	1100.00	340.70	11
12	101.10	955.80	835.00	176.20	1108.00	333.00	12
13	87.59	861.60	827.30	153.20	1108.00	302.00	13
14	74.16	848.20	842.60	168.50	1116.00	309.70	14
15	74.16	875.00	819.70	206.80	1108.00	333.00	15
16	-6.63	982.70	812.00	137.90	1116.00	232.30	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	69860SDY	69860ALT	EVENT
3	5318.00	4289.00	3
4	3105.00	3183.00	4
5	2136.00	3321.00	5
6	3381.00	4843.00	6
7	9192.00	6226.00	7
8	7670.00	6088.00	8
9	9884.00	6641.00	9
10	9054.00	7195.00	10
11	6840.00	6918.00	11
12	10850.00	6503.00	12
13	12100.00	6642.00	13
14	14590.00	7195.00	14
15	12650.00	8025.00	15
16	9054.00	7748.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TGGW 20800 TGCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.11	1.80	6.05	2.17	13.16	.16	2
3	4.04	1.38	5.49	2.66	13.16	.16	3
4	2.63	1.52	4.29	1.11	12.55	.20	4
5	4.15	2.05	6.19	2.10	13.12	.28	5
6	4.75	6.10	10.85	-1.43	12.15	.69	6
7	4.36	5.01	9.37	-.65	12.11	.56	7
8	4.29	4.45	8.73	-.30	12.39	.60	8
9	3.12	3.99	7.82	-.94	11.95	.56	9
10	3.51	7.27	10.92	-3.97	11.59	.93	10
11	3.34	6.32	9.65	-3.05	11.87	.81	11
12	3.26	5.47	8.80	-2.21	11.67	.77	12
13	3.30	4.94	8.24	-1.85	12.07	.77	13
14	3.05	7.16	10.43	-4.11	14.08	1.09	14
15	3.88	8.88	12.76	-4.99	13.68	1.41	15
16	3.16	6.92	10.15	-3.76	13.88	1.13	16
17	4.39	9.28	13.67	-4.89	14.33	1.57	17
18	2.98	6.03	9.02	-3.05	14.16	1.01	18
19	3.69	7.87	11.56	-4.18	14.00	1.49	19
20	4.08	7.06	11.20	-2.98	15.13	1.09	20
21	4.50	8.68	13.18	-4.18	15.09	1.45	21
22	4.32	7.38	11.70	-3.34	15.29	1.33	22
23	4.25	6.81	11.06	-2.77	15.25	1.13	23
24	4.53	8.36	12.90	-3.83	15.61	1.49	24
25	4.11	6.25	10.36	-2.14	15.74	1.13	25
26	5.13	8.19	13.32	-3.40	15.82	1.53	26
27	4.18	6.88	11.06	-2.91	15.33	1.13	27
28	4.36	7.90	12.26	-3.69	14.97	1.25	28
29	4.04	5.19	9.23	-1.15	12.31	.60	29
30	4.04	5.33	9.44	-1.29	12.19	.56	30
31	4.01	4.73	8.80	-.72	12.15	.52	31
32	3.97	4.13	8.10	-.16	12.31	.52	32
33	3.83	3.42	7.25	.41	12.39	.44	33
34	4.01	3.88	7.89	.12	12.11	.56	34
35	3.90	4.27	8.24	-.37	11.95	.56	35
36	4.15	5.43	9.65	-1.29	11.91	.60	36
37	4.32	6.10	10.43	-1.92	11.75	.69	37
38	4.43	6.70	11.27	-2.28	11.59	.77	38
39	4.25	6.46	10.71	-2.21	12.43	1.53	39
40	4.11	5.47	9.58	-1.36	11.99	.69	40
41	4.15	4.94	9.09	-.79	12.67	1.05	41
42	4.01	3.95	8.03	.05	12.87	1.01	42
43	4.25	6.53	10.78	-2.35	11.91	.77	43
44	4.08	6.77	10.85	-2.77	13.48	.97	44
45	3.97	6.67	10.64	-2.70	13.48	.97	45
46	4.46	8.57	13.04	-4.18	13.96	1.37	46
47	3.97	5.82	9.79	-1.85	13.68	.93	47
48	4.85	7.98	12.83	-3.19	14.08	1.33	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
49	3.30	5.47	9.37	-1.57	13.76	.85	49
50	4.64	7.48	12.12	-2.84	14.00	1.25	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	11.38	2.19	1083.00	2221.00	12590.00	9369.00	2
3	11.46	1.70	639.00	2369.00	13280.00	9369.00	3
4	11.20	1.07	1379.00	3109.00	14980.00	11410.00	4
5	11.20	1.39	935.00	3257.00	12760.00	13630.00	5
6	11.41	2.38	787.00	2813.00	14470.00	13630.00	6
7	11.25	1.85	1083.00	3109.00	12590.00	12780.00	7
8	11.17	1.67	639.00	2961.00	12250.00	12780.00	8
9	10.94	1.54	-249.00	2961.00	11910.00	12780.00	9
10	11.56	1.75	1824.00	2369.00	14300.00	6984.00	10
11	11.62	1.54	639.00	1777.00	13790.00	6132.00	11
12	11.64	2.14	491.00	1925.00	13280.00	5621.00	12
13	12.09	2.90	343.00	1777.00	12930.00	5281.00	13
14	14.31	3.24	1232.00	2073.00	13100.00	6473.00	14
15	14.75	3.27	194.50	4590.00	14980.00	21630.00	15
16	14.57	3.66	787.00	1925.00	12420.00	6132.00	16
17	14.65	4.36	639.00	5922.00	17870.00	26910.00	17
18	14.67	4.60	2712.00	3553.00	12590.00	6644.00	18
19	14.96	4.99	47.00	5922.00	14640.00	28110.00	19
20	14.78	2.77	343.00	2073.00	12760.00	7154.00	20
21	15.17	3.16	-101.50	4886.00	16510.00	22830.00	21
22	14.72	3.19	1379.00	2813.00	13620.00	7666.00	22
23	14.88	3.34	639.00	2369.00	12930.00	7325.00	23
24	15.48	3.63	-101.50	4590.00	17020.00	22310.00	24
25	15.17	4.31	4488.00	6218.00	12420.00	8176.00	25
26	15.64	4.89	195.00	6662.00	20030.00	31510.00	26
27	15.01	3.37	491.00	2221.00	12590.00	7666.00	27
28	14.80	2.17	195.00	2221.00	14470.00	8177.00	28
29	11.85	2.25	-101.50	1629.00	16510.00	9880.00	29
30	11.75	2.25	-249.50	1777.00	12760.00	6473.00	30
31	11.80	1.73	-101.50	1629.00	12930.00	6984.00	31
32	11.64	1.20	195.00	1925.00	13960.00	8688.00	32
33	11.51	1.07	47.00	2073.00	13960.00	8347.00	33
34	11.54	1.93	-693.50	2221.00	10890.00	8006.00	34
35	11.25	1.28	-397.50	1629.00	11570.00	6644.00	35
36	11.49	1.36	46.50	1777.00	13100.00	7495.00	36
37	11.62	1.85	-249.50	2073.00	13450.00	7836.00	37
38	11.62	2.27	195.00	2517.00	13620.00	8688.00	38
39	11.62	1.39	46.50	1777.00	19240.00	12950.00	39
40	11.59	1.31	-249.50	1481.00	12590.00	5962.00	40
41	11.94	1.83	-101.50	1629.00	15830.00	8858.00	41
42	12.27	2.87	-397.50	1629.00	15150.00	9199.00	42
43	11.75	1.46	194.50	1629.00	13100.00	7155.00	43
44	13.92	2.64	47.00	2073.00	13280.00	7665.00	44
45	13.97	2.59	-101.50	1629.00	12760.00	6473.00	45
46	14.10	3.19	-397.00	6070.00	15830.00	27600.00	46
47	14.10	3.29	46.50	1777.00	12080.00	6814.00	47
48	14.54	3.84	-545.50	6515.00	16510.00	27940.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
49	14.23	4.10	343.00	2073.00	12080.00	8177.00	49
50	14.78	4.60	47.00	6218.00	17360.00	27770.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	4383.00	4138.00	14140.00	15330.00	-3081.00	4036.00	2
3	4812.00	3553.00	14900.00	14560.00	-2577.00	3783.00	3
4	4734.00	4178.00	14060.00	15410.00	-2955.00	4246.00	4
5	5086.00	4060.00	14100.00	15370.00	-2619.00	4414.00	5
6	4266.00	3553.00	1954.00	3458.00	-5057.00	6600.00	6
7	3680.00	3826.00	13940.00	15520.00	-4973.00	6516.00	7
8	3836.00	3982.00	13750.00	15720.00	-5057.00	6684.00	8
9	4266.00	4021.00	13640.00	15830.00	-4636.00	6516.00	9
10	4812.00	3006.00	13600.00	15870.00	-4847.00	4456.00	10
11	4383.00	2967.00	13710.00	15760.00	-4973.00	4162.00	11
12	4149.00	3123.00	13980.00	15490.00	-4889.00	4162.00	12
13	4344.00	3318.00	13750.00	15720.00	-4805.00	3741.00	13
14	4578.00	4178.00	13480.00	15990.00	-4636.00	4246.00	14
15	3641.00	8941.00	12790.00	16680.00	-5898.00	9962.00	15
16	4656.00	4334.00	12870.00	16600.00	-4721.00	4246.00	16
17	3602.00	11170.00	13060.00	16410.00	-5646.00	11900.00	17
18	4695.00	4217.00	13330.00	16140.00	-4847.00	4120.00	18
19	3173.00	10190.00	11790.00	17680.00	-5982.00	11220.00	19
20	4539.00	4685.00	13290.00	16180.00	-4469.00	4918.00	20
21	3485.00	10350.00	12020.00	17450.00	-6444.00	10420.00	21
22	4617.00	5310.00	13170.00	16290.00	-4763.00	5128.00	22
23	4578.00	5115.00	13290.00	16180.00	-4679.00	5128.00	23
24	3680.00	10070.00	11910.00	17560.00	-6444.00	10260.00	24
25	4461.00	5232.00	13020.00	16450.00	-4636.00	5423.00	25
26	2977.00	12570.00	9851.00	19620.00	-5898.00	12400.00	26
27	4539.00	5154.00	13210.00	16250.00	-4384.00	5087.00	27
28	4812.00	5349.00	13140.00	16330.00	-4510.00	5465.00	28
29	3758.00	2264.00	1954.00	3305.00	-3880.00	5255.00	29
30	3563.00	2225.00	1992.00	3113.00	-3796.00	5171.00	30
31	3993.00	2186.00	2031.00	3382.00	-3796.00	5255.00	31
32	4187.00	2616.00	12140.00	13640.00	-3670.00	5633.00	32
33	4344.00	2616.00	10830.00	12340.00	-3418.00	5717.00	33
34	3719.00	3319.00	14060.00	15410.00	-4469.00	5759.00	34
35	3797.00	2694.00	2030.00	3228.00	-4216.00	5087.00	35
36	4031.00	2460.00	2031.00	3458.00	-4385.00	4834.00	36
37	3992.00	2421.00	2146.00	3420.00	-4258.00	4961.00	37
38	3992.00	2655.00	2107.00	3766.00	-4090.00	5213.00	38
39	4266.00	2694.00	2607.00	4188.00	-4511.00	4456.00	39
40	4344.00	2537.00	2184.00	3843.00	-4636.00	4246.00	40
41	4266.00	2694.00	3222.00	4649.00	-4594.00	4204.00	41
42	4149.00	2889.00	2107.00	3843.00	-4637.00	3909.00	42
43	4305.00	2811.00	3952.00	5303.00	-4679.00	4288.00	43
44	4461.00	4451.00	11330.00	18140.00	-4763.00	4204.00	44
45	4305.00	4216.00	1723.00	4842.00	-4468.00	3910.00	45
46	3250.00	10740.00	1646.00	6763.00	-5057.00	12820.00	46
47	4266.00	4021.00	11560.00	14060.00	-4637.00	3994.00	47
48	3524.00	11240.00	12980.00	15950.00	-5142.00	12570.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
49	4188.00	4334.00	1915.00	4804.00	-4721.00	4330.00	49
50	3680.00	10930.00	8140.00	11570.00	-5142.00	11390.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4970.00	2955.00	2375.00	6652.00	40840.00	9716.00	2
3	-4498.00	2924.00	2471.00	5592.00	40840.00	9417.00	3
4	-4844.00	4716.00	2954.00	7231.00	40240.00	9716.00	4
5	-5190.00	4307.00	2086.00	6942.00	41140.00	9417.00	5
6	-4938.00	4936.00	5074.00	12050.00	46070.00	13750.00	6
7	-5158.00	5030.00	5364.00	10990.00	45020.00	11810.00	7
8	-4561.00	5439.00	4688.00	10700.00	45020.00	12110.00	8
9	-4153.00	5847.00	4592.00	10610.00	44870.00	11960.00	9
10	-5976.00	3584.00	6713.00	12730.00	45320.00	13900.00	10
11	-5976.00	3207.00	6135.00	11180.00	45620.00	12710.00	11
12	-5693.00	3426.00	5460.00	10890.00	44870.00	12260.00	12
13	-5976.00	3018.00	5074.00	11090.00	44570.00	11960.00	13
14	-4259.00	2672.00	5845.00	15910.00	45770.00	18530.00	14
15	-8616.00	8551.00	2857.00	20630.00	42630.00	23470.00	15
16	-4479.00	2829.00	5556.00	16200.00	45620.00	18680.00	16
17	-8145.00	9965.00	4688.00	25160.00	46220.00	30040.00	17
18	-5913.00	2892.00	5267.00	15910.00	46070.00	18530.00	18
19	-8271.00	9965.00	2664.00	21210.00	45170.00	24210.00	19
20	-4258.00	3427.00	5942.00	17550.00	45470.00	21220.00	20
21	-7390.00	8834.00	1604.00	24780.00	42780.00	29000.00	21
22	-4290.00	3898.00	6617.00	18410.00	45020.00	22260.00	22
23	-4007.00	3804.00	6520.00	18320.00	46070.00	22720.00	23
24	-7642.00	8519.00	3628.00	24490.00	43070.00	28990.00	24
25	-4970.00	3772.00	6328.00	20050.00	45320.00	25260.00	25
26	-4259.00	10340.00	3724.00	30370.00	43530.00	35720.00	26
27	-5630.00	3741.00	6135.00	18900.00	45620.00	23170.00	27
28	-4604.00	4087.00	5846.00	19760.00	46060.00	24210.00	28
29	-4404.00	4527.00	3918.00	9159.00	46220.00	10310.00	29
30	-4216.00	4401.00	4014.00	9063.00	46070.00	10460.00	30
31	-4153.00	4779.00	3725.00	8388.00	46520.00	9417.00	31
32	-3995.00	5502.00	3725.00	8388.00	46220.00	10010.00	32
33	-4027.00	5344.00	4206.00	8291.00	46370.00	9566.00	33
34	-4310.00	3992.00	3628.00	9255.00	45470.00	10460.00	34
35	-4341.00	3710.00	4110.00	9544.00	45920.00	10010.00	35
36	-4561.00	3427.00	4881.00	9930.00	46970.00	11060.00	36
37	-4404.00	3647.00	5171.00	10030.00	47260.00	11060.00	37
38	-4404.00	3772.00	4978.00	10220.00	46970.00	11360.00	38
39	-5567.00	3615.00	5845.00	10890.00	46970.00	12260.00	39
40	-5567.00	3364.00	5653.00	10320.00	46670.00	11660.00	40
41	-5630.00	3238.00	5074.00	10510.00	46520.00	11510.00	41
42	-5756.00	3238.00	4014.00	10030.00	44720.00	10610.00	42
43	-5536.00	3521.00	6135.00	11180.00	47260.00	11960.00	43
44	-4699.00	3615.00	6328.00	14850.00	48010.00	16890.00	44
45	-6070.00	3112.00	5846.00	14360.00	47560.00	16140.00	45
46	-7202.00	10340.00	4110.00	22660.00	45170.00	26610.00	46
47	-5976.00	2892.00	5749.00	14080.00	47560.00	15840.00	47
48	-4888.00	9966.00	3917.00	24010.00	46360.00	28390.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
49	-5378.00	3427.00	5267.00	14940.00	47410.00	17190.00	49
50	-7076.00	9085.00	5074.00	23810.00	47110.00	28540.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	36500.00	9682.00	1445.00	1204.00	-116.80	800.00	2
3	38170.00	10350.00	1536.00	1174.00	-74.69	715.80	3
4	37000.00	10180.00	1355.00	1114.00	-116.80	757.80	4
5	33830.00	10020.00	1445.00	1445.00	93.72	1010.00	5
6	40010.00	11850.00	1024.00	1385.00	-11.53	1242.00	6
7	39010.00	10520.00	1235.00	1174.00	-116.80	1053.00	7
8	39170.00	11020.00	1385.00	1205.00	409.50	1579.00	8
9	38340.00	11180.00	1355.00	1114.00	199.00	1200.00	9
10	36170.00	10680.00	1054.00	2138.00	-95.75	2084.00	10
11	37000.00	9849.00	1084.00	1987.00	409.50	2210.00	11
12	36840.00	10020.00	1144.00	1867.00	177.90	1853.00	12
13	36670.00	9515.00	1144.00	1987.00	-74.66	1937.00	13
14	36840.00	16030.00	1385.00	3071.00	577.90	3095.00	14
15	33660.00	18530.00	361.10	3794.00	-1401.00	3348.00	15
16	37170.00	16360.00	1415.00	3161.00	-74.69	2905.00	16
17	37170.00	27710.00	29.50	6414.00	-1612.00	5242.00	17
18	37670.00	15520.00	1475.00	3041.00	-369.40	2526.00	18
19	37340.00	19860.00	210.60	4185.00	-1654.00	3389.00	19
20	36170.00	19700.00	1626.00	3372.00	-495.70	2652.00	20
21	36500.00	25040.00	692.00	3884.00	-1528.00	3726.00	21
22	36340.00	21200.00	1486.00	3432.00	-537.80	2695.00	22
23	36500.00	21030.00	1596.00	3402.00	-516.80	2674.00	23
24	33660.00	25210.00	572.00	4065.00	-1527.00	3811.00	24
25	35670.00	22870.00	1456.00	3523.00	-516.80	2758.00	25
26	35670.00	33890.00	-241.50	5240.00	-2390.00	5095.00	26
27	36340.00	21870.00	1626.00	3432.00	-453.60	2695.00	27
28	36340.00	23200.00	1626.00	3372.00	-222.10	2800.00	28
29	39670.00	9515.00	1746.00	1024.00	283.20	1242.00	29
30	40010.00	9515.00	1807.00	1144.00	746.30	1747.00	30
31	39510.00	9348.00	1746.00	1084.00	51.63	968.40	31
32	39670.00	9515.00	1807.00	1084.00	51.63	968.40	32
33	38840.00	9348.00	1777.00	1054.00	114.80	863.10	33
34	39340.00	9515.00	1355.00	1295.00	-179.90	1284.00	34
35	38670.00	9181.00	1355.00	1235.00	156.90	1453.00	35
36	39510.00	9348.00	1445.00	1385.00	199.00	1663.00	36
37	39670.00	8848.00	1415.00	1355.00	177.90	1684.00	37
38	38840.00	8680.00	1385.00	1506.00	-137.80	1410.00	38
39	37840.00	9014.00	1325.00	1867.00	-222.00	1663.00	39
40	38170.00	9014.00	1475.00	1716.00	935.80	2358.00	40
41	38840.00	9014.00	1475.00	1716.00	114.80	1958.00	41
42	37840.00	8681.00	1475.00	1656.00	30.56	1789.00	42
43	38000.00	8847.00	1445.00	1867.00	241.10	2210.00	43
44	38670.00	14860.00	1867.00	2830.00	177.90	2695.00	44
45	38340.00	14190.00	1927.00	2770.00	-369.40	2316.00	45
46	37170.00	22370.00	-.50	5240.00	-2075.00	4147.00	46
47	38840.00	13350.00	1836.00	2680.00	-390.50	2295.00	47
48	39010.00	25210.00	29.50	5933.00	-2327.00	5032.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
49	39010.00	14520.00	1957.00	2800.00	-390.40	2337.00	49
50	39170.00	24370.00	59.50	5180.00	-2264.00	4421.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	188.20	404.00	815.70	283.70	860.40	264.30	2
3	147.80	417.50	777.30	245.30	837.10	240.90	3
4	174.80	525.30	785.00	253.00	868.20	272.00	4
5	322.90	700.30	800.30	314.30	883.70	287.60	5
6	120.90	848.50	800.30	329.70	992.50	411.90	6
7	26.63	700.30	869.30	306.70	1008.00	411.90	7
8	147.80	821.50	846.30	314.30	1008.00	427.50	8
9	93.97	740.70	869.30	306.70	984.70	404.20	9
10	53.56	1104.00	838.70	153.30	1000.00	279.80	10
11	53.56	1104.00	831.00	145.70	1000.00	264.30	11
12	80.50	1077.00	861.70	161.00	984.70	264.30	12
13	53.56	1104.00	854.00	168.70	1000.00	248.70	13
14	26.63	1428.00	777.30	214.70	969.20	279.80	14
15	-458.20	1966.00	800.30	529.00	1062.00	637.30	15
16	40.09	1468.00	785.00	222.40	961.40	287.60	16
17	-619.80	2505.00	762.00	659.40	1031.00	761.70	17
18	80.50	1455.00	792.70	214.70	984.70	279.80	18
19	-781.40	2101.00	831.00	682.40	1078.00	715.00	19
20	40.09	1495.00	762.00	260.70	938.10	326.40	20
21	-1185.00	2290.00	792.70	567.40	1078.00	683.90	21
22	93.97	1522.00	754.30	268.30	961.40	349.80	22
23	-13.78	1495.00	746.70	276.00	953.60	342.00	23
24	-1064.00	2222.00	777.30	552.00	1094.00	668.40	24
25	26.63	1562.00	800.30	314.30	938.10	357.50	25
26	-1091.00	2707.00	677.70	820.40	1062.00	823.90	26
27	-.31	1535.00	746.70	276.00	961.40	349.80	27
28	-40.72	1522.00	762.00	276.00	984.70	373.10	28
29	120.90	740.70	861.70	191.70	922.60	326.40	29
30	93.97	767.70	861.70	191.70	922.60	326.40	30
31	80.50	727.30	854.00	199.40	922.50	342.00	31
32	107.40	781.10	846.30	207.00	922.50	357.50	32
33	120.90	713.80	846.30	222.30	922.50	357.50	33
34	93.97	956.20	915.30	199.30	969.20	357.50	34
35	93.97	875.40	900.00	168.70	938.10	310.90	35
36	80.50	861.90	869.30	168.70	930.30	303.10	36
37	67.03	821.50	869.30	184.00	922.50	310.90	37
38	40.09	875.40	854.00	199.40	922.60	326.40	38
39	53.56	996.60	877.00	145.70	953.60	279.80	39
40	53.56	969.70	861.70	145.70	945.80	272.00	40
41	26.63	996.60	861.70	145.70	938.10	264.30	41
42	107.40	969.70	846.30	176.30	953.60	248.70	42
43	26.63	1024.00	884.70	153.30	961.40	272.00	43
44	40.09	1387.00	854.00	199.40	953.60	279.80	44
45	67.03	1360.00	831.00	191.70	922.60	264.30	45
46	-1118.00	2492.00	792.70	705.40	984.70	839.40	46
47	120.90	1360.00	831.00	191.70	945.80	272.00	47
48	-1159.00	2720.00	708.30	743.70	1008.00	800.50	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
49	120.90	1387.00	861.70	207.00	945.90	287.60	49
50	-916.10	2424.00	808.00	720.80	1000.00	730.60	50

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	69860SDY	69860ALT	EVENT
2	3241.00	3889.00	2
3	1852.00	3611.00	3
4	3518.00	5555.00	4
5	1019.00	5833.00	5
6	9212.00	8471.00	6
7	9629.00	6944.00	7
8	8518.00	6944.00	8
9	6990.00	6805.00	9
10	9629.00	8610.00	10
11	8796.00	7777.00	11
12	10460.00	7499.00	12
13	7129.00	7499.00	13
14	-1759.00	9999.00	14
15	-3425.00	12500.00	15
16	-3009.00	10420.00	16
17	-7314.00	13890.00	17
18	-5370.00	9999.00	18
19	-4120.00	14580.00	19
20	-7869.00	11390.00	20
21	-8425.00	14440.00	21
22	-7592.00	12500.00	22
23	-8703.00	11390.00	23
24	-12310.00	14440.00	24
25	-11200.00	11670.00	25
26	-14260.00	15550.00	26
27	-9119.00	12080.00	27
28	-7592.00	12500.00	28
29	8518.00	6388.00	29
30	8934.00	6249.00	30
31	8657.00	6527.00	31
32	7684.00	6388.00	32
33	7268.00	6527.00	33
34	9767.00	6527.00	34
35	10180.00	6388.00	35
36	11710.00	6805.00	36
37	11990.00	7083.00	37
38	12820.00	7360.00	38
39	12540.00	7916.00	39
40	11430.00	7083.00	40
41	10180.00	6944.00	41
42	7268.00	6805.00	42
43	10740.00	7777.00	43
44	2546.00	9860.00	44
45	2130.00	9721.00	45
46	-1481.00	11940.00	46
47	-92.50	9166.00	47
48	-4953.00	13470.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	69860SDY	69860ALT	EVENT
49	463.00	9443.00	49
50	-3148.00	12780.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.18	4.41	8.59	-.23	13.36	.60	2
3	4.29	5.08	9.37	-.87	13.24	.64	3
4	4.36	6.14	10.50	-1.85	12.99	.73	4
5	4.18	4.34	8.52	-.16	12.55	.60	5
6	4.29	5.15	9.51	-.87	12.71	.69	6
7	4.32	5.96	10.29	-1.64	12.31	.77	7
8	4.36	7.20	11.63	-2.84	12.63	.85	8
9	4.32	4.84	9.16	-.58	12.87	.69	9
10	4.43	5.93	10.36	-1.57	12.75	.81	10
11	4.39	6.88	11.34	-2.49	12.39	.85	11
12	4.46	7.80	12.26	-3.34	12.23	.93	12
13	4.04	6.81	10.85	-2.77	13.32	.97	13
14	4.04	6.60	10.64	-2.56	13.32	.89	14
15	4.18	6.39	10.57	-2.21	13.76	.93	15
16	4.39	5.47	9.86	-1.15	14.53	.73	16
17	4.29	5.65	9.93	-1.36	13.68	.69	17
18	4.36	6.99	11.34	-2.63	13.60	.85	18
19	4.25	5.33	9.58	-1.08	13.24	.73	19
20	4.36	6.28	10.64	-2.07	13.24	.81	20
21	4.50	7.90	12.40	-3.41	13.20	1.01	21
22	4.57	8.89	13.46	-4.32	13.24	1.13	22
23	4.50	6.64	11.13	-2.14	13.80	.97	23
24	4.46	7.87	12.33	-3.41	13.64	1.13	24
25	4.36	6.85	11.20	-2.56	13.60	1.01	25
26	4.78	8.61	13.39	-3.83	14.45	1.45	26
27	4.36	6.14	10.50	-1.85	13.92	.93	27
28	4.64	7.55	12.19	-2.98	14.53	1.21	28
29	4.04	5.54	9.72	-1.50	14.20	.89	29
30	4.82	6.88	11.70	-2.35	14.36	1.29	30
31	4.57	8.75	13.32	-4.18	15.29	1.33	31
32	5.06	9.39	14.45	-4.32	15.65	1.53	32
33	4.22	7.27	11.49	-3.05	15.33	1.13	33
34	4.96	9.00	13.96	-4.11	15.69	1.49	34
35	4.11	6.53	10.64	-2.42	15.57	1.05	35
36	4.89	8.22	13.11	-3.34	16.10	1.33	36
37	4.11	7.23	11.42	-3.13	13.68	1.01	37
38	4.15	6.99	11.13	-2.98	13.56	.97	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	13.03	1.02	-696.50	2222.00	12930.00	9369.00	2
3	13.18	1.23	-548.50	1778.00	13100.00	7836.00	3
4	13.21	2.04	-548.50	2074.00	12760.00	7836.00	4
5	12.64	1.88	-400.50	2222.00	12760.00	8858.00	5
6	12.64	1.25	-548.50	1778.00	12420.00	6814.00	6
7	12.56	1.44	-548.50	1778.00	13270.00	8006.00	7
8	13.11	1.78	192.50	1926.00	14810.00	7836.00	8
9	13.46	2.90	-252.00	1481.00	14380.00	8006.00	9
10	13.47	1.99	-252.00	1481.00	14120.00	7155.00	10
11	13.00	1.41	-400.50	1926.00	12250.00	8006.00	11
12	13.00	1.36	-548.50	2074.00	12250.00	8347.00	12
13	14.62	3.03	-696.50	4000.00	13780.00	18060.00	13
14	14.70	3.53	-1141.00	4740.00	14290.00	21290.00	14
15	14.96	4.15	-992.50	4888.00	14460.00	21120.00	15
16	14.65	1.39	-1289.00	2222.00	11910.00	9369.00	16
17	13.97	1.75	-2030.00	2963.00	9865.00	11410.00	17
18	13.73	2.56	-1881.00	2518.00	11060.00	10220.00	18
19	14.07	1.96	-1437.00	2666.00	12250.00	10050.00	19
20	13.94	1.31	-548.50	2074.00	13610.00	10050.00	20
21	13.63	2.25	-1289.00	3999.00	13440.00	17030.00	21
22	13.76	3.00	-1141.00	3555.00	13270.00	14820.00	22
23	14.49	3.21	-1437.00	5332.00	10380.00	21120.00	23
24	13.97	2.74	-1289.00	4888.00	10720.00	20440.00	24
25	13.91	2.59	-252.00	2370.00	15150.00	8177.00	25
26	14.31	2.87	-992.50	5481.00	18040.00	25380.00	26
27	14.12	3.21	-104.00	1629.00	14810.00	7495.00	27
28	14.54	3.27	-1141.00	5629.00	15830.00	25890.00	28
29	14.18	4.10	-252.00	1777.00	13610.00	7325.00	29
30	14.70	4.36	-1289.00	5777.00	17190.00	27600.00	30
31	15.59	2.90	-252.00	4740.00	17870.00	21800.00	31
32	15.35	3.08	-5732.00	10220.00	14980.00	27770.00	32
33	15.53	3.16	-400.50	1926.00	13610.00	7666.00	33
34	15.82	3.60	-400.00	6369.00	15320.00	30150.00	34
35	15.80	4.10	192.50	2222.00	12930.00	8347.00	35
36	15.93	4.49	-104.00	6073.00	15660.00	28790.00	36
37	13.89	1.99	-104.00	1629.00	13440.00	6473.00	37
38	14.05	2.25	-252.00	1777.00	13270.00	6984.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TGW 20800 TACG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	4111.00	3007.00	1877.00	3229.00	-4131.00	6432.00	2
3	4111.00	2695.00	1800.00	3229.00	-4510.00	5801.00	3
4	4072.00	2500.00	1877.00	3075.00	-4468.00	5759.00	4
5	3799.00	2851.00	1723.00	3767.00	-4384.00	6011.00	5
6	3838.00	2499.00	2338.00	3229.00	-4552.00	5254.00	6
7	3838.00	2968.00	2223.00	3344.00	-4383.00	5507.00	7
8	4150.00	2500.00	2492.00	3459.00	-4552.00	5423.00	8
9	4463.00	2890.00	2261.00	3767.00	-4510.00	4876.00	9
10	4619.00	2968.00	2454.00	3805.00	-4594.00	4960.00	10
11	4619.00	3203.00	2646.00	4074.00	-4510.00	5801.00	11
12	4150.00	3203.00	2684.00	4036.00	-4594.00	6053.00	12
13	4189.00	7070.00	1531.00	4420.00	-4889.00	9038.00	13
14	3759.00	7968.00	992.80	4881.00	-4678.00	9920.00	14
15	3760.00	8125.00	1147.00	4804.00	-4847.00	9837.00	15
16	4267.00	3086.00	2415.00	2767.00	-4762.00	6137.00	16
17	3760.00	4062.00	2031.00	3382.00	-4888.00	7104.00	17
18	3838.00	3202.00	1954.00	3152.00	-4594.00	6726.00	18
19	3525.00	3047.00	1954.00	3459.00	-4131.00	6180.00	19
20	4072.00	2890.00	2185.00	3305.00	-4132.00	6096.00	20
21	3525.00	5312.00	2300.00	3651.00	-3375.00	9710.00	21
22	3838.00	5390.00	2415.00	3690.00	-3249.00	9332.00	22
23	3408.00	7539.00	2338.00	4228.00	-4090.00	10760.00	23
24	3916.00	7968.00	2069.00	4497.00	-3922.00	11180.00	24
25	4971.00	4335.00	1723.00	4997.00	-5308.00	4414.00	25
26	3916.00	10620.00	1223.00	5958.00	-4931.00	12530.00	26
27	4775.00	4296.00	2069.00	4805.00	-4804.00	4330.00	27
28	3447.00	10780.00	1185.00	5766.00	-5561.00	12320.00	28
29	4580.00	4101.00	2300.00	4574.00	-4720.00	4246.00	29
30	3916.00	10550.00	839.00	6265.00	-5561.00	12060.00	30
31	3877.00	9648.00	1646.00	5612.00	-5393.00	9795.00	31
32	3838.00	11330.00	1339.00	6074.00	-4720.00	11810.00	32
33	4697.00	4687.00	2223.00	4804.00	-4384.00	5002.00	33
34	3720.00	11760.00	1454.00	6112.00	-4468.00	12320.00	34
35	4502.00	4882.00	2223.00	4804.00	-4594.00	5212.00	35
36	3408.00	11370.00	1685.00	5881.00	-4552.00	11730.00	36
37	4658.00	3945.00	1992.00	4574.00	-4762.00	3951.00	37
38	4541.00	4218.00	1877.00	4766.00	-4552.00	4162.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4654.00	5533.00	3533.00	8964.00	46070.00	9568.00	2
3	-4811.00	4810.00	4304.00	9350.00	46520.00	10020.00	3
4	-4843.00	4967.00	4689.00	9542.00	46520.00	10610.00	4
5	-4340.00	4464.00	3533.00	9735.00	45620.00	10910.00	5
6	-4874.00	3678.00	4111.00	9928.00	46810.00	10610.00	6
7	-4497.00	3993.00	5267.00	10120.00	48160.00	11060.00	7
8	-4969.00	3835.00	4593.00	11180.00	46810.00	12110.00	8
9	-5723.00	3898.00	4400.00	10800.00	46670.00	11660.00	9
10	-5880.00	4118.00	5460.00	11660.00	46810.00	12710.00	10
11	-5534.00	4590.00	5942.00	12920.00	47260.00	14350.00	11
12	-5597.00	4716.00	5075.00	13200.00	46960.00	14950.00	12
13	-4886.00	7891.00	2376.00	15520.00	43080.00	15550.00	13
14	-4823.00	8708.00	1990.00	17060.00	42480.00	16740.00	14
15	-4572.00	8456.00	2279.00	17350.00	43530.00	18090.00	15
16	-5220.00	5219.00	4111.00	12050.00	48460.00	11960.00	16
17	-5126.00	6382.00	4689.00	11280.00	49510.00	11810.00	17
18	-5283.00	5721.00	5171.00	10600.00	50250.00	11360.00	18
19	-4120.00	5124.00	4014.00	10800.00	48160.00	11360.00	19
20	-4277.00	5344.00	3726.00	10700.00	48310.00	11210.00	20
21	-3365.00	7388.00	4304.00	14550.00	49360.00	14650.00	21
22	-3397.00	7042.00	5075.00	13780.00	48610.00	14500.00	22
23	-4088.00	7545.00	3051.00	17730.00	49200.00	17790.00	23
24	-4183.00	7639.00	4207.00	19080.00	50550.00	19430.00	24
25	-4980.00	3773.00	5075.00	14360.00	47710.00	16000.00	25
26	-7200.00	9840.00	3243.00	21980.00	45460.00	26600.00	26
27	-4698.00	3175.00	5749.00	14650.00	47710.00	16590.00	27
28	-7672.00	9934.00	2569.00	21690.00	44420.00	25260.00	28
29	-5252.00	3175.00	4978.00	14650.00	47710.00	16590.00	29
30	-7263.00	9085.00	2279.00	21400.00	43820.00	24370.00	30
31	-6792.00	7796.00	4786.00	24480.00	46810.00	28850.00	31
32	-6289.00	9116.00	7099.00	28340.00	48160.00	35280.00	32
33	-4414.00	3710.00	5460.00	16480.00	46370.00	19140.00	33
34	-5346.00	9619.00	5749.00	28530.00	49650.00	34980.00	34
35	-5409.00	3835.00	5460.00	18020.00	46510.00	21380.00	35
36	-6634.00	9211.00	5364.00	28140.00	47260.00	34380.00	36
37	-4541.00	2893.00	5268.00	13780.00	47710.00	15100.00	37
38	-6195.00	3175.00	5171.00	14460.00	48010.00	16290.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	39180.00	9015.00	1355.00	933.30	-139.10	947.40	2
3	39510.00	8681.00	1416.00	993.50	-160.20	926.30	3
4	38850.00	9015.00	1446.00	1084.00	-118.10	968.40	4
5	38340.00	9182.00	1265.00	1265.00	-223.30	1242.00	5
6	39180.00	8681.00	1325.00	1325.00	-202.30	1263.00	6
7	39680.00	8848.00	1235.00	1415.00	-265.40	1242.00	7
8	38680.00	9849.00	1265.00	1566.00	-433.80	1326.00	8
9	38510.00	8681.00	1416.00	1656.00	-328.60	1558.00	9
10	38510.00	9349.00	1385.00	1746.00	-433.80	1579.00	10
11	37840.00	11020.00	1325.00	1806.00	-412.80	1642.00	11
12	37840.00	11350.00	1295.00	1837.00	-497.00	1642.00	12
13	35340.00	11190.00	482.20	3432.00	-1171.00	2653.00	13
14	35510.00	11690.00	301.20	3974.00	-1532.00	3074.00	14
15	35170.00	12690.00	240.90	4094.00	-1424.00	3200.00	15
16	41180.00	8347.00	1446.00	1746.00	-518.10	1537.00	16
17	41520.00	9349.00	1175.00	1716.00	-602.30	1453.00	17
18	41850.00	8013.00	1476.00	1837.00	-644.40	1495.00	18
19	41020.00	8514.00	1506.00	1566.00	-454.90	1516.00	19
20	40180.00	7680.00	1566.00	1867.00	-476.00	1705.00	20
21	41680.00	11190.00	933.40	3402.00	-1571.00	2884.00	21
22	40350.00	12520.00	843.40	3553.00	-1423.00	3032.00	22
23	41350.00	14520.00	542.00	5359.00	-1781.00	4485.00	23
24	43520.00	15360.00	692.50	5149.00	-1592.00	4758.00	24
25	38510.00	13360.00	1987.00	2710.00	-560.20	2337.00	25
26	36840.00	21700.00	120.50	5540.00	-2097.00	4295.00	26
27	38680.00	13860.00	1987.00	2710.00	-518.10	2337.00	27
28	35670.00	20530.00	30.50	5209.00	-2202.00	4232.00	28
29	38180.00	13690.00	1957.00	2800.00	-454.90	2358.00	29
30	35670.00	19530.00	120.00	5058.00	-2181.00	4127.00	30
31	38010.00	25880.00	1084.00	4034.00	-1532.00	3706.00	31
32	40850.00	32390.00	843.00	5841.00	-1824.00	5242.00	32
33	36510.00	17030.00	1957.00	3041.00	-581.20	2484.00	33
34	41850.00	33720.00	722.50	5841.00	-1697.00	5243.00	34
35	36680.00	18860.00	1987.00	3131.00	-518.10	2505.00	35
36	39670.00	31540.00	602.00	5600.00	-2013.00	5095.00	36
37	39010.00	12520.00	1867.00	2649.00	-497.00	2274.00	37
38	39180.00	13690.00	1988.00	2649.00	-454.90	2274.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	66.16	955.90	899.80	230.00	945.40	396.50	2
3	52.72	888.60	907.40	207.00	945.40	365.30	3
4	-28.06	942.40	907.40	207.00	945.40	365.30	4
5	147.00	1064.00	915.10	214.70	953.20	373.10	5
6	133.50	996.30	922.70	176.30	945.40	334.30	6
7	93.09	982.80	938.10	191.70	937.60	342.10	7
8	79.66	996.30	892.10	191.70	953.20	342.00	8
9	120.00	1091.00	876.70	191.70	953.20	310.90	9
10	79.66	1050.00	876.70	176.30	945.40	318.70	10
11	52.69	1104.00	915.10	199.30	953.20	357.60	11
12	106.60	1131.00	907.40	207.00	945.40	380.90	12
13	-553.10	1791.00	830.80	437.00	968.70	590.80	13
14	-714.70	1898.00	830.80	529.00	968.70	637.50	14
15	-728.20	1993.00	823.10	521.30	984.30	621.90	15
16	-526.20	1468.00	892.10	207.00	937.60	388.70	16
17	-485.80	1427.00	984.10	283.70	953.20	450.90	17
18	-445.40	1494.00	953.40	253.00	945.40	427.50	18
19	-351.20	1508.00	945.80	230.00	922.10	388.70	19
20	-553.20	1602.00	899.70	245.30	906.50	373.20	20
21	-876.30	2141.00	892.10	421.70	875.40	606.40	21
22	-1024.00	2208.00	884.40	414.00	867.70	583.00	22
23	-539.70	2720.00	945.70	567.30	929.80	660.80	23
24	-337.80	3083.00	922.70	559.70	898.80	707.40	24
25	39.25	1387.00	800.10	207.00	953.20	295.40	25
26	-1186.00	2504.00	746.40	674.70	976.50	800.70	26
27	52.72	1373.00	815.40	207.00	929.90	287.60	27
28	-1172.00	2329.00	784.80	667.00	1008.00	785.20	28
29	52.72	1373.00	838.40	199.30	922.10	279.80	29
30	-1253.00	2329.00	777.10	720.70	999.80	761.80	30
31	-1092.00	2168.00	754.10	559.70	984.30	653.00	31
32	-1038.00	2706.00	754.10	697.70	968.70	761.80	32
33	-41.53	1414.00	792.40	260.70	891.00	326.50	33
34	-876.30	2679.00	715.80	751.30	922.10	792.90	34
35	-14.59	1441.00	807.80	276.00	914.30	334.30	35
36	-943.60	2666.00	731.10	736.00	945.40	769.60	36
37	52.72	1319.00	830.70	176.30	929.80	256.50	37
38	79.66	1319.00	846.10	191.70	914.30	272.10	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	A9860SDY	69860ALT	EVENT
2	319.50	6806.00	2
3	1709.00	6528.00	3
4	2542.00	6806.00	4
5	4014.00	6667.00	5
6	5042.00	6806.00	6
7	7125.00	7500.00	7
8	3792.00	8056.00	8
9	3931.00	7361.00	9
10	5042.00	8194.00	10
11	6847.00	9166.00	11
12	7403.00	9167.00	12
13	319.50	9583.00	13
14	42.00	9027.00	14
15	-1625.00	9028.00	15
16	-7736.00	6806.00	16
17	-3014.00	7083.00	17
18	-2319.00	8055.00	18
19	597.50	7361.00	19
20	319.50	7917.00	20
21	-374.50	10000.00	21
22	-97.50	10000.00	22
23	-2458.00	10420.00	23
24	-1764.00	11670.00	24
25	1292.00	9722.00	25
26	-2597.00	12780.00	26
27	-1625.00	9861.00	27
28	-6763.00	11670.00	28
29	-3431.00	9722.00	29
30	-5514.00	13130.00	30
31	-10100.00	12780.00	31
32	-13570.00	14860.00	32
33	-10370.00	10830.00	33
34	-15790.00	14030.00	34
35	-11210.00	10560.00	35
36	-14400.00	13750.00	36
37	-97.00	9444.00	37
38	736.00	9444.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	A9860SDV	69860ALT	EVENT
2	319.50	6806.00	2
3	1709.00	6528.00	3
4	2542.00	6806.00	4
5	4014.00	6667.00	5
6	5042.00	6806.00	6
7	7125.00	7500.00	7
8	3792.00	8056.00	8
9	3931.00	7361.00	9
10	5042.00	8194.00	10
11	6847.00	9166.00	11
12	7403.00	9167.00	12
13	319.50	9583.00	13
14	42.00	9027.00	14
15	-1625.00	9028.00	15
16	-7736.00	6806.00	16
17	-3014.00	7083.00	17
18	-2319.00	8055.00	18
19	597.50	7361.00	19
20	319.50	7917.00	20
21	-374.50	10000.00	21
22	-97.50	10000.00	22
23	-2458.00	10420.00	23
24	-1764.00	11670.00	24
25	1292.00	9722.00	25
26	-2597.00	12780.00	26
27	-1625.00	9861.00	27
28	-6763.00	11670.00	28
29	-3431.00	9722.00	29
30	-5514.00	13190.00	30
31	-10100.00	12780.00	31
32	-13570.00	14860.00	32
33	-10370.00	10830.00	33
34	-15790.00	14030.00	34
35	-11210.00	10560.00	35
36	-14400.00	13750.00	36
37	-97.00	9444.00	37
38	736.00	9444.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.39	6.19	10.58	-1.87	11.89	.73	2
3	4.25	6.67	11.06	-2.49	11.93	.77	3
4	4.53	6.81	11.47	-2.49	12.17	.93	4
5	4.08	6.64	10.72	-2.56	13.99	1.05	5
6	4.01	6.16	10.24	-2.15	14.36	1.10	6
7	4.22	6.98	11.20	-2.77	15.21	1.22	7
8	4.01	6.36	10.37	-2.35	15.37	1.14	8
9	3.60	5.74	10.03	-2.15	14.52	1.10	9
10	4.15	5.74	9.89	-1.60	13.71	.93	10
12	3.87	4.78	8.72	-.91	12.49	.69	12
13	4.01	5.06	9.20	-1.05	12.21	.65	13
14	4.35	5.26	9.62	-.98	11.85	.69	14
15	4.15	6.29	10.44	-2.15	12.01	.69	15
16	4.29	7.19	11.47	-2.90	11.93	.85	16
17	4.18	7.36	11.54	-3.25	12.13	.89	17
18	4.01	7.74	11.75	-3.73	13.67	1.14	18
19	3.98	7.77	11.75	-3.86	15.01	1.18	19
20	3.80	6.71	10.51	-2.90	15.05	1.14	20
21	3.98	6.05	10.03	-2.08	14.16	.97	21
22	4.05	5.50	9.55	-1.63	12.74	.77	22
23	4.18	5.50	9.69	-1.39	11.97	.73	23
25	4.18	5.36	9.62	-1.18	12.58	1.34	25
26	6.31	8.05	14.36	-1.94	14.64	1.54	26
27	5.32	8.15	13.68	-3.04	15.29	2.92	27
28	4.84	7.46	12.30	-2.83	15.82	1.58	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	11.64	2.39	1300.00	2590.00	14410.00	11430.00	2
3	11.68	2.00	1148.00	2133.00	15090.00	8361.00	3
4	11.76	1.39	1147.00	1828.00	15440.00	7678.00	4
5	13.52	1.98	690.50	1676.00	14410.00	5631.00	5
6	14.30	2.91	842.50	2133.00	14240.00	6143.00	6
7	14.98	3.00	1300.00	2285.00	14750.00	7678.00	7
8	15.05	3.91	5717.00	7616.00	13390.00	8361.00	8
9	14.35	4.13	6174.00	7159.00	12710.00	8360.00	9
10	13.39	3.42	2366.00	3960.00	13560.00	7166.00	10
12	12.03	2.30	538.00	1828.00	13560.00	6143.00	12
13	11.20	1.61	843.00	2437.00	14410.00	10750.00	13
14	11.29	1.90	1300.00	2894.00	12880.00	12970.00	14
15	12.08	2.20	233.50	1828.00	14240.00	6143.00	15
16	12.32	1.90	81.00	1980.00	14750.00	6655.00	16
17	12.42	1.22	233.00	1523.00	13900.00	5802.00	17
18	14.40	1.73	-71.00	2437.00	15780.00	9043.00	18
19	15.74	3.03	-528.00	3808.00	16290.00	14670.00	19
20	15.52	3.93	-71.00	2437.00	12880.00	7849.00	20
21	14.61	3.52	385.50	1676.00	12880.00	6825.00	21
22	12.91	2.39	81.00	1371.00	13220.00	5119.00	22
23	11.76	1.44	-71.50	2133.00	12710.00	9384.00	23
25	11.78	1.76	233.00	2437.00	17140.00	11430.00	25
26	12.54	3.44	-71.50	8225.00	13730.00	36000.00	26
27	13.59	4.15	4803.00	8530.00	19190.00	32250.00	27
28	14.30	4.27	4498.00	8834.00	18170.00	24400.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	3970.00	3195.00	1555.00	3443.00	-4711.00	5924.00	2
3	4680.00	2643.00	1858.00	4048.00	-4333.00	5714.00	3
4	5035.00	3550.00	1972.00	4994.00	-5089.00	5546.00	4
5	4996.00	4141.00	1782.00	5032.00	-5005.00	3866.00	5
6	4681.00	4299.00	1479.00	5562.00	-5047.00	4580.00	6
7	4681.00	5009.00	9520.00	19320.00	-4627.00	5168.00	7
8	4799.00	5127.00	9520.00	19320.00	-4669.00	5546.00	8
9	4483.00	5128.00	9520.00	19320.00	-5047.00	4748.00	9
10	4878.00	4496.00	12830.00	16000.00	-5215.00	4580.00	10
12	4720.00	3471.00	1896.00	4313.00	-4963.00	3656.00	12
13	3852.00	3471.00	9123.00	11240.00	-4921.00	4874.00	13
14	3694.00	4102.00	4545.00	5902.00	-5047.00	6513.00	14
15	4089.00	2208.00	1972.00	2875.00	-4123.00	4916.00	15
16	4326.00	2524.00	2123.00	3708.00	-4291.00	4832.00	16
17	5114.00	3313.00	2236.00	3973.00	-4501.00	4454.00	17
18	5114.00	4891.00	1328.00	4957.00	-5551.00	5252.00	18
19	4562.00	7494.00	1480.00	5259.00	-5846.00	7899.00	19
20	5312.00	4930.00	1593.00	5146.00	-6014.00	5126.00	20
21	4444.00	4378.00	1934.00	4654.00	-4459.00	4328.00	21
22	4720.00	3471.00	2350.00	3935.00	-4879.00	3572.00	22
23	3970.00	3116.00	1745.00	4011.00	-5047.00	4832.00	23
25	3773.00	3313.00	2880.00	3556.00	-4417.00	5798.00	25
26	5115.00	13100.00	1820.00	6811.00	-7442.00	16720.00	26
27	4681.00	12110.00	306.50	7946.00	-6014.00	14540.00	27
28	4405.00	10970.00	2123.00	7416.00	-6560.00	11300.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TOGW 20800 TCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4801.00	4119.00	3435.00	10620.00	46330.00	12090.00	2
3	-4487.00	4119.00	3242.00	11780.00	45740.00	12680.00	3
4	-6373.00	4685.00	5174.00	13330.00	46180.00	16070.00	4
5	-6687.00	3050.00	3532.00	14000.00	45530.00	15480.00	5
6	-6782.00	2892.00	4304.00	16510.00	46480.00	19020.00	6
7	-6090.00	3584.00	5173.00	19310.00	46770.00	23730.00	7
8	-5870.00	3679.00	5077.00	19990.00	46480.00	24920.00	8
9	-6279.00	3584.00	4497.00	18440.00	45880.00	22550.00	9
10	-6216.00	3081.00	4207.00	15640.00	46330.00	17690.00	10
12	-5839.00	3144.00	3918.00	11300.00	45440.00	12680.00	12
13	-5147.00	3333.00	3628.00	11970.00	46620.00	12970.00	13
14	-5021.00	4968.00	3145.00	11680.00	45890.00	12830.00	14
15	-4424.00	3804.00	3242.00	9463.00	47800.00	10620.00	15
16	-5084.00	3584.00	3435.00	10820.00	47950.00	11350.00	16
17	-4405.00	3647.00	4497.00	12070.00	48690.00	12680.00	17
18	-7882.00	4559.00	3146.00	14190.00	48250.00	15780.00	18
19	-7473.00	6980.00	1890.00	19700.00	46180.00	21970.00	19
20	-7379.00	4182.00	5077.00	17860.00	48830.00	21380.00	20
21	-4530.00	3207.00	4491.00	15740.00	48690.00	17990.00	21
22	-4090.00	3019.00	4884.00	12070.00	49570.00	12970.00	22
23	-5241.00	3616.00	4980.00	11010.00	49420.00	11940.00	23
25	-4550.00	4370.00	3628.00	11200.00	48100.00	12970.00	25
26	-5918.00	14040.00	2953.00	33120.00	52370.00	34640.00	26
27	-8983.00	10940.00	2276.00	28390.00	50460.00	35380.00	27
28	-7945.00	8960.00	3145.00	29260.00	46030.00	35090.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	38610.00	10840.00	315.90	1382.00	-376.90	1223.00	2
3	38280.00	9857.00	406.10	1713.00	-587.80	1350.00	3
4	35980.00	12160.00	315.90	2164.00	-714.40	1856.00	4
5	36960.00	12810.00	796.80	2945.00	-714.40	2405.00	5
6	34960.00	16430.00	886.70	3275.00	-714.40	2658.00	6
7	36470.00	22180.00	1067.00	3576.00	-714.40	2827.00	7
8	35980.00	23000.00	1127.00	3696.00	-756.60	2869.00	8
9	36470.00	20540.00	1157.00	3486.00	-714.40	2742.00	9
10	37790.00	14950.00	977.00	2885.00	-714.40	2405.00	10
12	37290.00	10510.00	947.00	2013.00	-651.10	1751.00	12
13	38610.00	10510.00	886.90	1653.00	-608.90	1456.00	13
14	39430.00	11010.00	916.90	1442.00	-271.40	1287.00	14
15	40740.00	9364.00	1338.00	1322.00	-355.80	1118.00	15
16	40090.00	8707.00	1308.00	1773.00	-630.00	1519.00	16
17	39260.00	9857.00	1368.00	2073.00	-672.20	1814.00	17
18	40410.00	12980.00	1788.00	2795.00	-608.90	2426.00	18
19	37290.00	18400.00	1628.00	3275.00	-1073.00	2637.00	19
20	38610.00	19390.00	1969.00	3215.00	-630.00	2574.00	20
21	39760.00	15280.00	1908.00	2915.00	-672.20	2447.00	21
22	40740.00	9693.00	1518.00	2103.00	-714.40	1899.00	22
23	41070.00	9365.00	1488.00	1773.00	-651.20	1540.00	23
25	41560.00	10840.00	1308.00	1352.00	-630.00	1013.00	25
26	42710.00	32030.00	-466.00	7092.00	-2571.00	5696.00	26
27	43370.00	40250.00	-676.50	7543.00	-2423.00	6055.00	27
28	36140.00	31700.00	1578.00	4808.00	-1516.00	4219.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	166.10	861.10	868.30	283.00	1005.00	365.80	2
3	98.88	928.40	868.30	191.20	981.30	358.00	3
4	18.16	1090.00	860.60	168.30	1012.00	342.40	4
5	98.88	1359.00	784.20	198.80	981.30	249.00	5
6	45.06	1494.00	875.90	244.70	989.10	272.40	6
7	31.59	1561.00	776.50	267.70	965.80	311.30	7
8	-76.03	1722.00	845.30	321.20	973.60	319.10	8
9	-156.80	1776.00	837.70	313.60	1020.00	303.50	9
10	98.88	1359.00	868.30	237.10	1005.00	287.90	10
12	85.41	1023.00	868.30	175.90	1005.00	225.70	12
13	31.59	888.00	860.60	229.40	1005.00	303.50	13
14	193.00	834.20	875.90	321.20	1020.00	412.40	14
15	58.50	834.20	898.90	160.60	950.20	311.30	15
16	85.41	995.70	898.90	160.60	958.00	303.50	16
17	31.59	1130.00	898.90	145.30	965.80	280.20	17
18	71.97	1386.00	822.40	237.10	1044.00	326.80	18
19	-600.80	1843.00	845.30	367.10	1044.00	513.60	19
20	166.10	1388.00	845.30	275.30	926.90	319.10	20
21	45.03	1413.00	860.60	214.10	950.20	280.20	21
22	18.16	1090.00	883.60	160.60	973.60	241.30	22
23	125.80	955.30	921.80	214.10	981.30	311.30	23
25	-62.63	820.80	853.00	283.00	942.40	365.80	25
26	-896.80	3969.00	753.60	948.30	1160.00	1066.00	26
27	-1031.00	3243.00	684.80	833.60	1075.00	949.40	27
28	-1085.00	2355.00	700.00	604.20	1083.00	723.70	28

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	A9860SDY	69860ALT	EVENT
2	11470.00	7916.00	2
3	11470.00	7916.00	3
4	10220.00	9721.00	4
5	-472.00	10420.00	5
6	-2556.00	11110.00	6
7	-8110.00	12780.00	7
8	-8666.00	11940.00	8
9	-3528.00	11800.00	9
10	1750.00	9860.00	10
12	9388.00	8055.00	12
13	10360.00	7916.00	13
14	11610.00	7499.00	14
15	9526.00	6527.00	15
16	9943.00	8055.00	16
17	7860.00	8471.00	17
18	-333.00	10550.00	18
19	-9777.00	11390.00	19
20	-9222.00	11110.00	20
21	-2833.00	9721.00	21
22	4888.00	7777.00	22
23	10080.00	7916.00	23
25	11330.00	7222.00	25
26	-6166.00	16110.00	26
27	-4861.00	17360.00	27
28	-10470.00	14580.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	4.14	6.42	10.56	-2.27	11.52	.78	1
2	4.04	6.52	10.56	-2.48	12.01	.86	2
3	3.87	6.35	10.22	-2.48	12.34	.86	3
4	3.87	6.83	10.70	-3.03	13.12	.98	4
5	4.11	7.14	11.25	-3.03	14.06	1.10	5
6	5.18	9.66	14.84	-4.93	14.59	1.80	6
7	3.76	8.11	12.01	-4.34	14.63	1.35	7
8	4.90	9.38	14.42	-4.76	15.41	1.88	8
9	4.04	7.14	11.18	-3.17	14.18	1.15	9
10	4.01	6.97	10.97	-2.96	14.47	1.19	10
11	3.73	3.31	7.04	.35	12.38	.49	11
12	3.94	4.35	8.28	-.62	11.81	.49	12
13	4.04	5.14	9.18	-1.17	12.06	.65	13
14	3.87	5.18	9.11	-1.38	11.73	.57	14
15	3.80	5.80	9.59	-2.07	11.36	.69	15
16	3.87	5.59	9.46	-1.79	12.14	.74	16
17	3.76	4.73	8.49	-.96	12.22	.65	17
18	3.56	4.18	7.73	-.62	12.63	.65	18
19	3.73	5.93	9.73	-2.27	13.28	.98	19
20	3.21	5.28	9.25	-2.07	13.85	.90	20
21	3.90	6.18	10.08	-2.34	13.89	1.43	21
22	3.31	4.69	8.01	-1.38	13.94	.82	22
23	3.90	6.38	10.28	-2.48	13.98	1.27	23
24	3.73	6.07	9.87	-2.34	15.08	1.14	24
25	4.63	8.14	12.91	-3.65	16.10	1.43	25
26	3.69	6.18	9.87	-2.69	14.96	1.10	26
27	4.69	8.76	13.46	-4.27	15.04	1.51	27
28	3.90	7.28	11.32	-3.38	14.55	1.27	28
29	3.76	5.90	9.66	-2.27	12.83	.86	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
1	11.44	2.12	1389.00	2124.00	14440.00	8715.00	1
2	11.68	1.55	1692.00	1820.00	13760.00	6665.00	2
3	12.00	1.39	3057.00	3792.00	12390.00	5639.00	3
4	13.21	2.01	1086.00	2124.00	11880.00	6152.00	4
5	14.42	2.52	934.00	1972.00	12560.00	6836.00	5
6	13.91	3.46	4423.00	9101.00	19570.00	26140.00	6
7	15.06	2.79	6243.00	7281.00	13590.00	9911.00	7
8	14.55	3.24	4726.00	8798.00	18720.00	30420.00	8
9	14.47	2.52	4271.00	5006.00	13930.00	6836.00	9
10	14.74	3.54	5484.00	8039.00	14100.00	10770.00	10
11	11.12	1.26	782.00	1517.00	12220.00	6152.00	11
12	10.80	1.80	1541.00	2579.00	11370.00	12130.00	12
13	11.60	2.06	1389.00	2427.00	13420.00	10080.00	13
14	11.39	2.17	933.50	1669.00	12910.00	7177.00	14
15	10.88	1.50	2906.00	3337.00	13080.00	7006.00	15
16	11.41	1.61	4271.00	4702.00	11710.00	6664.00	16
17	11.68	1.93	1389.00	2124.00	13080.00	6664.00	17
18	12.14	2.71	2906.00	3944.00	12220.00	7177.00	18
19	13.53	3.19	479.00	2427.00	19230.00	13500.00	19
20	13.93	3.86	5939.00	7584.00	11880.00	6152.00	20
21	13.91	4.05	5939.00	7584.00	11370.00	8032.00	21
22	14.09	4.39	4878.00	5916.00	11540.00	6494.00	22
23	13.96	4.80	4878.00	8646.00	12740.00	15890.00	23
24	15.27	4.56	6091.00	7432.00	12910.00	8202.00	24
25	15.75	4.61	4423.00	8798.00	18030.00	29390.00	25
26	15.03	3.94	6091.00	7432.00	12050.00	7006.00	26
27	15.35	4.42	4423.00	9101.00	18890.00	30590.00	27
28	14.92	3.13	6091.00	7432.00	13250.00	7519.00	28
29	12.89	2.87	630.50	2276.00	12050.00	6664.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
1	4155.00	2847.00	2424.00	4235.00	-4412.00	5503.00	1
2	4506.00	3120.00	2618.00	4507.00	-4958.00	4117.00	2
3	4623.00	3471.00	2618.00	4507.00	-4874.00	3445.00	3
4	4428.00	3979.00	1841.00	5595.00	-4412.00	3823.00	4
5	4388.00	4330.00	1646.00	6178.00	-4244.00	4495.00	5
6	3335.00	10690.00	1297.00	7772.00	-7017.00	11720.00	6
7	4934.00	6280.00	1452.00	6606.00	-6429.00	6259.00	7
8	1970.00	11430.00	752.00	7616.00	-6681.00	11550.00	8
9	4661.00	4525.00	1802.00	6023.00	-4580.00	4327.00	9
10	5324.00	5734.00	1918.00	6295.00	-6387.00	6049.00	10
11	3725.00	2262.00	2501.00	2837.00	-4286.00	4453.00	11
12	3569.00	3823.00	1802.00	3691.00	-4833.00	5923.00	12
13	3920.00	2691.00	2501.00	3303.00	-4748.00	5419.00	13
14	3764.00	2145.00	2462.00	2953.00	-4244.00	4663.00	14
15	3842.00	3003.00	2152.00	4507.00	-4454.00	4453.00	15
16	3765.00	3316.00	2385.00	4196.00	-4706.00	4117.00	16
17	4233.00	3081.00	2462.00	4197.00	-4538.00	3865.00	17
18	4272.00	3276.00	2657.00	4002.00	-4790.00	3529.00	18
19	4388.00	4330.00	1879.00	5790.00	-4580.00	3907.00	19
20	4584.00	4291.00	2151.00	5673.00	-4622.00	3949.00	20
21	5012.00	4954.00	2074.00	6139.00	-5672.00	4579.00	21
22	4271.00	4057.00	2463.00	5052.00	-4286.00	3613.00	22
23	4700.00	6514.00	2074.00	6139.00	-6177.00	6847.00	23
24	4193.00	5071.00	1996.00	6140.00	-4244.00	5251.00	24
25	2867.00	11310.00	2229.00	6917.00	-4833.00	11050.00	25
26	4232.00	4486.00	2035.00	5556.00	-4076.00	4579.00	26
27	2321.00	11860.00	1685.00	7539.00	-5337.00	11890.00	27
28	5051.00	4837.00	1724.00	6412.00	-4454.00	5209.00	28
29	4271.00	4057.00	1996.00	5362.00	-4706.00	3613.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	-4485.00	3811.00	3072.00	10610.00	42920.00	11810.00	1
2	-4060.00	3370.00	4422.00	11570.00	42920.00	13290.00	2
3	-4186.00	3181.00	3554.00	11280.00	42480.00	12840.00	3
4	-4343.00	3276.00	4133.00	13410.00	43660.00	15210.00	4
5	-4815.00	3433.00	4615.00	16400.00	43950.00	20520.00	5
6	-8327.00	9543.00	2011.00	28260.00	45720.00	35870.00	6
7	-7949.00	5764.00	3265.00	18710.00	44980.00	22730.00	7
8	-8044.00	9259.00	2686.00	28740.00	45870.00	38970.00	8
9	-4752.00	3307.00	4615.00	16400.00	44690.00	20080.00	9
10	-8422.00	5606.00	3844.00	17750.00	44100.00	20960.00	10
11	-4579.00	3339.00	2686.00	8294.00	42620.00	10040.00	11
12	-4643.00	4850.00	4133.00	9548.00	44400.00	10630.00	12
13	-5020.00	3906.00	3361.00	9548.00	43360.00	11070.00	13
14	-4328.00	3339.00	2976.00	8970.00	43210.00	10330.00	14
15	-5650.00	3717.00	4711.00	10900.00	43510.00	12400.00	15
16	-5871.00	3181.00	4133.00	10710.00	43210.00	12400.00	16
17	-5871.00	3055.00	3747.00	10320.00	43210.00	11520.00	17
18	-5871.00	2992.00	2783.00	10130.00	42030.00	10920.00	18
19	-4532.00	3149.00	5194.00	15050.00	44540.00	18160.00	19
20	-5430.00	2803.00	4712.00	16110.00	44840.00	19040.00	20
21	-7225.00	3905.00	5483.00	17460.00	46010.00	20510.00	21
22	-5461.00	2709.00	3651.00	14270.00	43950.00	16980.00	22
23	-7760.00	6708.00	4519.00	17460.00	44830.00	21100.00	23
24	-5398.00	3528.00	5097.00	19390.00	44250.00	24650.00	24
25	-5210.00	9637.00	5579.00	28350.00	43210.00	38680.00	25
26	-5241.00	3370.00	4422.00	16970.00	43800.00	20670.00	26
27	-5430.00	9290.00	5097.00	31150.00	43950.00	38230.00	27
28	-7036.00	3779.00	5194.00	19290.00	44240.00	23760.00	28
29	-5997.00	2803.00	5097.00	12830.00	43660.00	15210.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	35030.00	9732.00	192.90	1565.00	-736.80	1315.00	1
2	33380.00	10390.00	72.63	1986.00	-842.90	1718.00	2
3	33710.00	9732.00	132.80	2227.00	-821.70	1909.00	3
4	34530.00	13200.00	343.40	2979.00	-864.10	2376.00	4
5	34200.00	18800.00	313.30	3430.00	-927.70	2651.00	5
6	35360.00	38100.00	-830.50	7222.00	-2455.00	5451.00	6
7	35360.00	21610.00	193.00	3731.00	-970.10	2863.00	7
8	33320.00	39090.00	-259.00	6108.00	-1946.00	5070.00	8
9	34860.00	18470.00	433.70	3250.00	-927.70	2609.00	9
10	35190.00	18470.00	403.60	3460.00	-927.70	2736.00	10
11	35850.00	9897.00	885.00	1053.00	-312.60	890.80	11
12	37500.00	10230.00	493.80	1204.00	-397.40	1145.00	12
13	37170.00	10890.00	584.10	1113.00	-376.20	1124.00	13
14	36020.00	10390.00	824.80	1053.00	-439.80	1018.00	14
15	35030.00	9732.00	253.10	1745.00	-821.70	1570.00	15
16	35190.00	9567.00	253.20	1805.00	-864.10	1612.00	16
17	34860.00	9237.00	313.30	1745.00	-736.80	1570.00	17
18	34370.00	9402.00	373.50	1685.00	-758.00	1506.00	18
19	35360.00	16000.00	493.80	2949.00	-800.40	2397.00	19
20	36350.00	16660.00	403.60	2979.00	-864.10	2418.00	20
21	36510.00	18470.00	313.30	3310.00	-1013.00	2651.00	21
22	35690.00	14680.00	614.20	2888.00	-758.00	2354.00	22
23	35030.00	19300.00	283.20	3280.00	-927.70	2609.00	23
24	34530.00	23090.00	734.10	3550.00	-821.70	2800.00	24
25	31890.00	37280.00	734.00	5175.00	-1925.00	4751.00	25
26	34860.00	18800.00	674.40	3310.00	-800.40	2609.00	26
27	35350.00	36780.00	313.00	5476.00	-2052.00	5133.00	27
28	34040.00	22270.00	554.00	3490.00	-821.70	2757.00	28
29	35360.00	13030.00	523.90	2738.00	-842.80	2227.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
1	17.97	875.80	828.70	199.80	994.30	342.60	1
2	-22.47	1024.00	813.30	153.60	1018.00	257.00	2
3	-22.44	1078.00	790.30	161.30	1018.00	225.80	3
4	-35.91	1280.00	798.00	230.50	1002.00	257.00	4
5	-49.41	1482.00	774.90	253.50	1010.00	295.90	5
6	-777.00	3180.00	682.70	699.00	1134.00	732.00	6
7	71.88	1846.00	751.90	338.00	1134.00	373.80	7
8	-803.90	2830.00	728.80	791.20	1134.00	747.60	8
9	17.97	1415.00	782.60	261.20	1018.00	303.70	9
10	44.91	1711.00	744.20	299.60	1142.00	366.00	10
11	98.81	687.20	867.10	176.70	978.70	280.30	11
12	125.80	768.00	874.80	291.90	1010.00	373.80	12
13	125.80	795.00	790.30	238.20	1018.00	334.80	13
14	139.30	781.50	821.00	176.70	986.50	288.10	14
15	17.97	875.80	851.80	161.30	994.30	280.30	15
16	-22.44	916.30	874.80	184.30	1002.00	257.00	16
17	-22.44	916.30	836.40	161.30	994.30	249.20	17
18	4.47	862.30	828.70	184.40	1002.00	225.80	18
19	-76.34	1294.00	790.30	222.80	1010.00	264.80	19
20	-157.20	1320.00	798.00	215.10	1002.00	272.60	20
21	-89.84	1415.00	751.90	261.20	1064.00	303.70	21
22	17.97	1307.00	798.00	230.50	994.30	249.20	22
23	-89.81	2062.00	805.60	407.10	1127.00	428.30	23
24	-76.38	1563.00	759.50	284.20	939.80	303.70	24
25	-1006.00	2897.00	736.50	768.20	1033.00	724.20	25
26	-103.30	1455.00	767.30	261.20	970.90	288.10	26
27	-965.60	2641.00	736.50	783.60	1049.00	770.90	27
28	-35.94	1523.00	774.90	284.20	1049.00	334.80	28
29	-8.97	1253.00	828.70	230.40	978.70	249.20	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	A9860SDY	A9860ALT	EVENT
1	12810.00	7930.00	1
2	11140.00	8486.00	2
3	9889.00	8626.00	3
4	4602.00	10290.00	4
5	-1798.00	11690.00	5
6	289.00	21010.00	6
7	-4163.00	13220.00	7
8	-13900.00	18780.00	8
9	-1659.00	11550.00	9
10	-2633.00	12520.00	10
11	8080.00	6261.00	11
12	13640.00	6261.00	12
13	10030.00	6817.00	13
14	12530.00	6261.00	14
15	16010.00	7513.00	15
16	10310.00	7374.00	16
17	10580.00	7095.00	17
18	7245.00	6817.00	18
19	4184.00	10710.00	19
20	984.50	10290.00	20
21	567.00	14050.00	21
22	845.50	9600.00	22
23	-685.00	12800.00	23
24	-7363.00	12240.00	24
25	-14040.00	16970.00	25
26	-4389.00	11270.00	26
27	-9310.00	16140.00	27
28	-2772.00	12660.00	28
29	7106.00	9460.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	3.83	3.48	7.32	.35	14.06	.37	2
3	3.90	5.76	9.66	-1.86	12.46	.65	3
4	4.11	6.80	10.91	-2.69	11.89	.82	4
5	4.04	7.69	11.73	-3.65	12.38	.98	5
6	3.94	8.76	12.70	-4.83	13.00	1.19	6
7	4.01	7.31	11.32	-3.31	12.87	1.06	7
8	4.11	8.94	13.04	-4.90	14.14	1.27	8
9	4.11	8.38	12.49	-4.27	14.10	1.31	9
10	4.01	8.63	12.63	-4.62	14.34	1.31	10
11	3.87	6.83	10.84	-2.96	14.47	1.10	11
12	4.04	5.62	9.66	-1.58	12.06	.82	12
13	3.90	6.18	10.08	-2.27	12.71	.90	13
14	3.76	7.69	11.53	-3.93	13.85	1.15	14
15	3.83	8.18	12.01	-4.34	14.26	1.15	15
16	4.14	8.42	12.70	-4.41	14.67	1.31	16
17	4.25	6.45	10.70	-2.34	11.93	1.27	17
18	4.63	7.52	12.22	-2.90	12.06	.98	18
19	4.76	6.49	11.25	-1.72	13.00	.86	19
20	4.52	5.07	9.59	-.55	14.22	.61	20
21	4.28	8.83	13.18	-4.55	12.38	1.31	21
22	4.21	8.76	12.98	-4.55	13.08	1.27	22
23	4.18	8.73	12.91	-4.62	11.97	1.06	23
24	4.01	7.52	11.53	-3.52	11.69	.86	24
25	4.21	6.69	10.91	-2.62	11.24	.74	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	13.26	2.87	630.50	2276.00	13930.00	8203.00	2
3	12.38	2.14	934.00	1365.00	15300.00	5810.00	3
4	12.27	1.98	1237.00	2275.00	16320.00	8202.00	4
5	12.73	1.10	1389.00	1517.00	14790.00	5981.00	5
6	12.70	1.98	327.00	4399.00	15130.00	18970.00	6
7	13.67	1.93	630.00	2882.00	15470.00	10770.00	7
8	14.33	2.49	-4072.00	8494.00	15810.00	21020.00	8
9	14.82	2.76	327.00	4702.00	17520.00	20680.00	9
10	15.09	2.87	327.00	4399.00	16670.00	19820.00	10
11	15.70	4.34	24.00	4702.00	16320.00	23240.00	11
12	12.59	2.25	175.50	2124.00	13420.00	7690.00	12
13	13.29	2.31	478.50	2124.00	15130.00	8032.00	13
14	14.92	2.44	478.50	3034.00	14270.00	10250.00	14
15	15.33	2.46	23.50	4096.00	16320.00	15040.00	15
16	15.25	3.08	175.00	5157.00	16670.00	25970.00	16
17	11.68	1.98	782.00	2730.00	14790.00	10770.00	17
18	12.86	1.93	934.00	1972.00	15130.00	9057.00	18
19	13.26	2.22	1541.00	2276.00	17520.00	11450.00	19
20	13.88	2.68	1541.00	2276.00	16320.00	8544.00	20
21	13.05	1.47	1086.00	3034.00	14960.00	13330.00	21
22	13.56	1.34	934.00	2275.00	14100.00	8373.00	22
23	12.38	2.25	-3010.00	5005.00	13080.00	5639.00	23
24	12.08	2.17	933.50	1669.00	14100.00	6665.00	24
25	11.60	2.06	1086.00	2731.00	14100.00	11450.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
2	4077.00	3081.00	2385.00	3341.00	-3404.00	4159.00	2
3	3998.00	2223.00	2501.00	2914.00	-4160.00	4915.00	3
4	4076.00	2691.00	2734.00	3925.00	-4328.00	5419.00	4
5	4974.00	3432.00	2929.00	4196.00	-4538.00	4453.00	5
6	3920.00	8308.00	1608.00	5285.00	-4581.00	9955.00	6
7	4622.00	5032.00	2307.00	4663.00	-5085.00	5923.00	7
8	3140.00	8698.00	1957.00	5634.00	-5337.00	9787.00	8
9	3335.00	9049.00	1802.00	5479.00	-5211.00	9997.00	9
10	3179.00	8581.00	1724.00	5790.00	-5589.00	9283.00	10
11	3998.00	9478.00	1452.00	5829.00	-5379.00	9997.00	11
12	4701.00	3627.00	2540.00	4352.00	-4916.00	4327.00	12
13	4740.00	3900.00	2268.00	4546.00	-5252.00	3991.00	13
14	4583.00	5461.00	2035.00	5168.00	-5505.00	5755.00	14
15	4817.00	7801.00	1879.00	5246.00	-5673.00	8695.00	15
16	3140.00	10020.00	1724.00	5868.00	-5169.00	10800.00	16
17	3921.00	3159.00	2268.00	4080.00	-4454.00	5545.00	17
18	4116.00	3042.00	2579.00	4157.00	-5000.00	5251.00	18
19	4194.00	3432.00	2968.00	3458.00	-4958.00	5629.00	19
20	5871.00	3783.00	3473.00	3497.00	-3782.00	4873.00	20
21	5324.00	5578.00	2346.00	4546.00	-4287.00	8065.00	21
22	5130.00	4837.00	2695.00	4352.00	-4748.00	5839.00	22
23	4896.00	3198.00	2890.00	4235.00	-4580.00	3991.00	23
24	4389.00	2847.00	2929.00	4041.00	-4580.00	4495.00	24
25	3803.00	3589.00	2229.00	4352.00	-4412.00	5839.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-5241.00	4755.00	1818.00	9741.00	47500.00	11370.00	2
3	-4643.00	3780.00	2397.00	9162.00	46460.00	10040.00	3
4	-4548.00	3937.00	3458.00	10420.00	46610.00	11070.00	4
5	-4500.00	3622.00	3651.00	12340.00	46170.00	13290.00	5
6	-6626.00	8598.00	-1076.00	19960.00	42330.00	22440.00	6
7	-7036.00	4850.00	1336.00	13700.00	44990.00	14760.00	7
8	-7256.00	8913.00	-14.50	20640.00	42770.00	24350.00	8
9	-7382.00	9102.00	2204.00	20350.00	44980.00	23020.00	9
10	-6815.00	8157.00	-207.50	20830.00	42480.00	22880.00	10
11	-6910.00	7999.00	178.50	20640.00	42920.00	21850.00	11
12	-4248.00	3937.00	4422.00	12350.00	47050.00	14470.00	12
13	-6626.00	3622.00	3747.00	12440.00	46310.00	14020.00	13
14	-7477.00	4976.00	2204.00	14950.00	45130.00	17270.00	14
15	-7351.00	7243.00	1336.00	16590.00	42770.00	18450.00	15
16	-7004.00	8409.00	1915.00	26430.00	43800.00	30120.00	16
17	-4359.00	3874.00	4808.00	10220.00	47640.00	11220.00	17
18	-5461.00	4095.00	4615.00	11570.00	42480.00	12550.00	18
19	-5304.00	4063.00	4808.00	11960.00	43660.00	13140.00	19
20	-4454.00	4976.00	3168.00	9355.00	44100.00	9744.00	20
21	-5808.00	6582.00	3843.00	18520.00	42330.00	20370.00	21
22	-6626.00	4567.00	3458.00	15430.00	41590.00	16680.00	22
23	-4186.00	3307.00	3940.00	12250.00	45130.00	13730.00	23
24	-5398.00	3402.00	4229.00	11380.00	46460.00	11810.00	24
25	-4611.00	4000.00	4905.00	10320.00	47050.00	11520.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	41130.00	10230.00	433.70	1625.00	-439.80	1400.00	2
3	38000.00	9072.00	945.20	1113.00	-355.00	1018.00	3
4	37670.00	8742.00	584.10	1595.00	-567.10	1358.00	4
5	36020.00	10390.00	644.30	2076.00	-673.20	1845.00	5
6	34370.00	17320.00	-228.30	3671.00	-1458.00	3012.00	6
7	36510.00	10890.00	945.20	2497.00	-652.00	2163.00	7
8	34370.00	20290.00	42.00	4423.00	-1522.00	3924.00	8
9	36180.00	18800.00	343.00	4724.00	-1543.00	4115.00	9
10	33870.00	17810.00	222.70	4001.00	-1607.00	3627.00	10
11	33540.00	17480.00	613.90	4212.00	-1034.00	3564.00	11
12	38000.00	10720.00	945.20	2016.00	-694.40	1739.00	12
13	37340.00	10390.00	1126.00	2377.00	-652.00	2036.00	13
14	37170.00	14850.00	1095.00	3009.00	-588.30	2439.00	14
15	33710.00	15670.00	1246.00	3038.00	-652.00	2503.00	15
16	36350.00	24910.00	433.50	4574.00	-1925.00	3733.00	16
17	38660.00	9072.00	1126.00	1535.00	-652.00	1273.00	17
18	33870.00	10890.00	1035.00	1504.00	-694.40	1315.00	18
19	35520.00	10560.00	945.20	1294.00	-673.20	1039.00	19
20	36840.00	8247.00	1607.00	1234.00	-249.00	996.90	20
21	34530.00	14520.00	1306.00	2196.00	-482.30	1824.00	21
22	33380.00	12040.00	1156.00	1986.00	-694.40	1739.00	22
23	35850.00	11880.00	915.10	2166.00	-758.00	1930.00	23
24	36680.00	9402.00	1035.00	1926.00	-694.40	1612.00	24
25	38330.00	9732.00	1186.00	1655.00	-630.80	1336.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-89.81	1011.00	867.10	238.20	939.80	272.60	2
3	152.70	768.00	874.80	153.70	970.90	303.70	3
4	58.38	916.30	882.50	192.00	986.50	334.80	4
5	31.44	1078.00	859.40	153.70	1010.00	280.30	5
6	-574.90	1927.00	844.10	445.60	1018.00	630.80	6
7	220.10	1347.00	828.70	261.20	1033.00	381.60	7
8	-790.50	2412.00	844.10	507.00	1041.00	638.50	8
9	-925.20	2331.00	805.70	545.40	1041.00	654.10	9
10	-992.60	2156.00	844.10	491.60	1049.00	615.20	10
11	-790.50	2088.00	836.40	591.50	1033.00	646.30	11
12	85.34	1078.00	851.80	176.70	994.30	280.30	12
13	44.94	1172.00	828.70	199.80	1018.00	257.00	13
14	206.60	1496.00	813.30	276.60	1041.00	373.80	14
15	-8.97	1738.00	767.30	414.80	1049.00	552.90	15
16	-803.90	2318.00	782.60	660.70	1033.00	693.10	16
17	85.34	862.30	874.80	245.80	955.30	350.40	17
18	17.97	956.70	690.40	230.50	924.20	334.80	18
19	-103.30	781.50	629.00	307.30	900.80	358.20	19
20	-89.81	714.10	613.60	276.50	846.30	303.70	20
21	4.50	1428.00	659.70	307.30	893.00	521.70	21
22	98.81	1145.00	682.70	222.80	916.40	373.80	22
23	17.97	1145.00	836.40	161.30	970.90	257.00	23
24	-8.97	983.60	874.80	153.70	970.90	288.10	24
25	31.47	862.30	874.80	261.20	963.10	358.20	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	A9860SDY	69860ALT	EVENT
2	-3050.00	5148.00	2
3	7941.00	6122.00	3
4	10440.00	7791.00	4
5	7385.00	8904.00	5
6	2098.00	10570.00	6
7	4324.00	10020.00	7
8	-4302.00	11690.00	8
9	-1798.00	11130.00	9
10	-3606.00	11550.00	10
11	-4441.00	10990.00	11
12	11280.00	8626.00	12
13	7106.00	8904.00	13
14	-1242.00	11130.00	14
15	-4719.00	10710.00	15
16	-4806.00	13630.00	16
17	12950.00	7513.00	17
18	8080.00	7930.00	18
19	2794.00	7652.00	19
20	-3189.00	5287.00	20
21	7663.00	10020.00	21
22	3072.00	9321.00	22
23	8775.00	9182.00	23
24	10720.00	8069.00	24
25	14340.00	7791.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	4.12	5.94	10.05	-1.82	11.37	.66	1
2	4.01	5.07	9.08	-1.12	13.27	.58	2
3	4.19	2.19	6.44	2.00	14.14	.21	3
4	4.36	2.36	6.86	1.72	15.10	.58	4
5	3.98	3.02	7.14	.96	14.10	.99	5
6	3.84	4.41	8.25	-.71	13.85	.33	6
7	3.56	5.45	9.01	-1.89	13.94	.99	7
8	4.08	6.66	10.82	-2.72	11.66	.79	8
9	4.01	7.84	11.86	-3.83	13.03	1.08	9
10	3.94	7.91	11.93	-4.11	14.31	1.20	10
11	4.48	9.53	14.01	-5.04	14.97	1.53	11
12	5.52	10.57	16.09	-5.04	14.76	1.99	12
13	3.93	8.97	12.90	-5.04	13.73	1.61	13
14	3.88	7.57	11.44	-3.69	14.02	1.16	14
15	5.26	9.79	15.05	-4.66	15.01	1.57	15
16	5.19	9.65	14.84	-4.94	15.10	1.57	16
17	5.25	10.29	15.54	-5.04	14.89	1.70	17
18	4.07	9.11	13.18	-5.04	13.36	1.57	18
19	4.93	9.98	14.91	-5.04	13.15	1.78	19
20	4.97	10.01	15.05	-5.04	12.78	1.82	20
21	5.11	10.15	15.26	-5.04	15.55	3.02	21
22	3.96	8.12	12.20	-4.52	15.47	2.03	22
23	4.00	9.04	13.73	-5.04	14.85	1.41	23
24	4.10	9.15	13.25	-5.04	14.68	1.82	24
25	3.67	7.01	10.68	-3.34	12.98	1.37	25
26	3.42	8.09	12.00	-4.66	13.23	1.61	26
27	3.69	8.73	12.41	-5.04	13.52	2.24	27
28	5.23	7.88	13.25	-3.00	11.41	1.28	28
29	5.23	7.95	13.18	-2.79	12.82	2.11	29
30	4.67	6.77	11.44	-2.93	11.74	.95	30
31	3.77	7.11	11.79	-3.34	12.07	.95	31
32	4.50	8.47	12.97	-4.11	12.11	1.24	32
33	6.27	9.54	15.81	-5.04	13.11	1.66	33
34	4.43	8.19	12.62	-3.97	15.43	1.57	34
35	3.81	7.57	11.37	-3.76	14.56	1.37	35
36	3.77	5.59	10.05	-2.16	10.79	1.08	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	39030SDV	39030ALT	69710SDV	69710ALT	EVENT
1	11.20	2.58	15320.00	12590.00	1
2	12.61	2.96	17240.00	9966.00	2
3	12.77	2.52	14090.00	5070.00	3
4	13.31	3.72	13390.00	5770.00	4
5	13.29	2.88	11290.00	8217.00	5
6	12.80	6.35	11990.00	9266.00	6
7	12.53	5.43	12690.00	8217.00	7
8	11.74	1.82	14620.00	7343.00	8
9	12.91	1.25	14790.00	7518.00	9
10	14.35	2.04	14440.00	6818.00	10
11	14.89	2.74	16710.00	22730.00	11
12	14.02	3.72	17410.00	27620.00	12
13	14.56	3.28	13220.00	13990.00	13
14	13.86	2.47	14270.00	8042.00	14
15	14.89	2.63	20040.00	28150.00	15
16	14.54	2.55	14620.00	27270.00	16
17	13.50	3.80	18990.00	30590.00	17
18	13.04	4.21	14270.00	22730.00	18
19	12.61	3.99	18810.00	24830.00	19
20	12.85	2.82	16190.00	27800.00	20
21	14.21	2.88	17410.00	26220.00	21
22	14.32	4.02	12520.00	11190.00	22
23	15.57	2.33	7099.00	13460.00	23
24	13.53	5.78	12690.00	14160.00	24
25	13.15	3.23	12520.00	10140.00	25
26	13.29	2.61	9721.00	9091.00	26
27	13.23	7.33	12870.00	17480.00	27
28	10.30	2.23	19690.00	20110.00	28
29	12.69	3.10	15320.00	8042.00	29
30	11.52	3.34	15320.00	12240.00	30
31	11.71	2.99	16020.00	12240.00	31
32	11.63	4.91	20040.00	18360.00	32
33	11.14	6.22	17240.00	24650.00	33
34	13.84	3.01	18110.00	10140.00	34
35	15.27	3.61	13390.00	12060.00	35
36	11.52	3.88	9721.00	20280.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
1	3503.00	3675.00	2519.00	3843.00	-4133.00	6637.00	1
2	4570.00	3398.00	3153.00	3446.00	-3502.00	3991.00	2
3	4253.00	2134.00	2994.00	1862.00	-3334.00	1807.00	3
4	3977.00	2410.00	2876.00	1901.00	-3460.00	2857.00	4
5	3937.00	2687.00	3034.00	1743.00	-2746.00	3067.00	5
6	3700.00	3557.00	2955.00	2218.00	-3376.00	4033.00	6
7	3423.00	3122.00	3074.00	2337.00	-3208.00	4033.00	7
8	4333.00	2924.00	2519.00	4556.00	-4510.00	5251.00	8
9	4728.00	4505.00	1925.00	5387.00	-5560.00	4201.00	9
10	5005.00	4545.00	1965.00	5823.00	-5140.00	4537.00	10
11	3581.00	9919.00	736.00	7527.00	-5687.00	9619.00	11
12	2831.00	10430.00	419.00	10060.00	-2873.00	12270.00	12
13	3424.00	8023.00	736.00	7923.00	-5813.00	8065.00	13
14	4056.00	4939.00	1846.00	6022.00	-4972.00	4453.00	14
15	4016.00	11300.00	1687.00	7210.00	-5141.00	12010.00	15
16	5004.00	11500.00	1172.00	7487.00	-5099.00	12060.00	16
17	3898.00	10950.00	498.50	8082.00	-4847.00	11800.00	17
18	3582.00	9287.00	1331.00	7171.00	-5771.00	10540.00	18
19	3819.00	10390.00	617.50	8201.00	-7746.00	12600.00	19
20	2436.00	10670.00	1133.00	8399.00	-6822.00	12600.00	20
21	3977.00	11100.00	2717.00	6576.00	-5519.00	10960.00	21
22	4412.00	5927.00	1845.00	6576.00	-5141.00	5713.00	22
23	3700.00	5374.00	1410.00	6220.00	-2705.00	7561.00	23
24	5083.00	7785.00	1846.00	7686.00	-4427.00	7855.00	24
25	3463.00	5374.00	1608.00	6022.00	-4552.00	5377.00	25
26	3898.00	4860.00	1846.00	6101.00	-5644.00	4873.00	26
27	5083.00	7864.00	1647.00	7804.00	-5939.00	7939.00	27
28	4451.00	6441.00	2242.00	6021.00	-3881.00	10920.00	28
29	5241.00	3675.00	3034.00	4912.00	-4216.00	5965.00	29
30	3898.00	3754.00	1766.00	5546.00	-6233.00	7057.00	30
31	4332.00	4189.00	1965.00	5585.00	-4007.00	8107.00	31
32	4530.00	6362.00	2242.00	6100.00	-4385.00	12180.00	32
33	4491.00	9880.00	3668.00	7289.00	-5519.00	15080.00	33
34	4847.00	4387.00	2123.00	5823.00	-4216.00	4537.00	34
35	4135.00	6757.00	1370.00	6972.00	-6737.00	6385.00	35
36	3305.00	8299.00	1450.00	7765.00	-2075.00	8780.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	-4133.00	4851.00	2637.00	11890.00	43670.00	14020.00	1
2	-5141.00	3591.00	1759.00	9067.00	43670.00	10740.00	2
3	-3944.00	2142.00	589.00	6142.00	42480.00	5666.00	3
4	-4354.00	2866.00	-2043.00	9164.00	38600.00	8052.00	4
5	-3535.00	3307.00	-3213.00	6044.00	38600.00	5965.00	5
6	-5299.00	3307.00	-1166.00	8482.00	39790.00	8052.00	6
7	-5834.00	3528.00	297.00	8189.00	41130.00	9096.00	7
8	-4889.00	3969.00	3904.00	11210.00	44410.00	12080.00	8
9	-6937.00	3874.00	2247.00	13840.00	42030.00	14760.00	9
10	-7441.00	3622.00	3222.00	15600.00	43820.00	18340.00	10
11	-5047.00	7969.00	1272.00	29830.00	42170.00	35190.00	11
12	-5016.00	11020.00	6341.00	35290.00	49480.00	46670.00	12
13	-7315.00	8032.00	101.50	25150.00	41580.00	28630.00	13
14	-7409.00	3843.00	3222.00	14620.00	44710.00	16550.00	14
15	-7598.00	9450.00	4684.00	26610.00	43670.00	34000.00	15
16	-8165.00	9639.00	3514.00	24860.00	49480.00	31160.00	16
17	-8984.00	9387.00	8096.00	31000.00	49030.00	39060.00	17
18	-7598.00	9198.00	4.00	20380.00	42320.00	23410.00	18
19	-7661.00	10020.00	1856.00	27300.00	45010.00	35930.00	19
20	-7094.00	11020.00	1857.00	28270.00	44710.00	36530.00	20
21	-6401.00	9072.00	1856.00	27690.00	43360.00	33690.00	21
22	-5330.00	4977.00	2637.00	21250.00	48140.00	25640.00	22
23	-3756.00	7875.00	1467.00	23790.00	41130.00	29370.00	23
24	-6748.00	6583.00	2344.00	25250.00	38290.00	30410.00	24
25	-6685.00	4819.00	4391.00	15600.00	43970.00	18190.00	25
26	-4007.00	4725.00	5854.00	19400.00	48290.00	22510.00	26
27	-5834.00	8001.00	4002.00	30420.00	43370.00	33990.00	27
28	-4165.00	9859.00	4781.00	17160.00	44560.00	19980.00	28
29	-7378.00	5386.00	2149.00	14920.00	40690.00	17600.00	29
30	-4322.00	6930.00	4976.00	12090.00	41430.00	13870.00	30
31	-4007.00	7560.00	5172.00	13060.00	44120.00	15950.00	31
32	-3693.00	11150.00	5561.00	16960.00	44860.00	21470.00	32
33	-5236.00	12760.00	4879.00	25440.00	43970.00	29520.00	33
34	-6685.00	3307.00	4294.00	17060.00	45610.00	20430.00	34
35	-8165.00	5670.00	5269.00	20380.00	45760.00	25350.00	35
36	-3063.00	7875.00	3027.00	15210.00	41580.00	20880.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	36010.00	12310.00	-222.80	1505.00	-97.94	1216.00	1
2	37000.00	9982.00	469.30	1354.00	153.60	1048.00	2
3	37170.00	4825.00	529.50	812.50	111.70	586.90	3
4	33340.00	6655.00	770.30	1113.00	-77.00	817.40	4
5	37000.00	4991.00	649.90	993.10	174.50	607.80	5
6	36170.00	6821.00	770.30	932.90	258.40	691.70	6
7	34680.00	8318.00	469.30	993.10	48.75	691.70	7
8	35010.00	9649.00	48.03	1775.00	-412.30	1530.00	8
9	32510.00	12140.00	-72.31	2919.00	-580.00	2327.00	9
10	34340.00	16970.00	198.50	3370.00	-559.10	2683.00	10
11	32850.00	32440.00	198.30	4213.00	-1607.00	4109.00	11
12	35670.00	48910.00	-1758.00	7493.00	-2530.00	6330.00	12
13	33510.00	24460.00	17.50	4274.00	-726.80	3186.00	13
14	36010.00	15310.00	379.10	3370.00	-412.30	2746.00	14
15	38000.00	33600.00	-975.50	7253.00	-1440.00	5450.00	15
16	40160.00	33770.00	-584.00	7102.00	-1356.00	5324.00	16
17	39160.00	39090.00	-795.00	6771.00	-1942.00	5492.00	17
18	33340.00	19960.00	-524.00	3792.00	-789.70	3207.00	18
19	39990.00	37590.00	-1999.00	7313.00	-1733.00	5198.00	19
20	43650.00	38920.00	-3143.00	7614.00	-2467.00	5423.00	20
21	34670.00	32930.00	168.00	6109.00	-916.00	5303.00	21
22	33340.00	24620.00	288.80	3701.00	-684.80	2767.00	22
23	31680.00	28280.00	379.10	3431.00	-14.09	2851.00	23
24	31850.00	32770.00	1763.00	3912.00	-349.50	2725.00	24
25	32350.00	16300.00	740.10	3551.00	-181.80	2599.00	25
26	29330.00	20300.00	529.50	3340.00	-601.00	2599.00	26
27	33180.00	27780.00	649.90	3340.00	-601.00	2641.00	27
28	34840.00	20130.00	710.10	2799.00	-601.00	1970.00	28
29	32010.00	16300.00	-162.60	2046.00	-894.40	1803.00	29
30	35510.00	12480.00	318.90	1986.00	-454.30	1656.00	30
31	34180.00	14470.00	409.20	2016.00	-391.40	1677.00	31
32	35670.00	21290.00	288.80	2558.00	-97.94	2096.00	32
33	36010.00	27620.00	-283.40	4274.00	-1209.00	3584.00	33
34	36170.00	19130.00	469.30	3461.00	-496.20	2704.00	34
35	35340.00	23960.00	469.00	4002.00	-538.10	2830.00	35
36	32510.00	21460.00	17.94	2407.00	-684.80	1970.00	36

CHECKED BY:
DATE:

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	4
1	-36.31	916.00	854.00	306.70	1627.00	
2	165.80	660.10	746.70	276.00	1581.00	
3	111.90	309.80	846.30	145.70	1573.00	
4	-171.00	781.30	838.70	168.70	1573.00	
5	84.91	390.70	884.70	230.00	1535.00	
6	138.80	498.40	907.70	237.60	1566.00	
7	71.44	458.00	923.00	222.30	1543.00	
8	71.47	943.00	884.70	153.30	1635.00	
9	-22.84	1334.00	800.40	237.60	1697.00	
10	-76.72	1468.00	785.00	253.00	1666.00	
11	-629.00	2640.00	854.00	536.60	1704.00	
12	-629.10	3772.00	831.00	728.30	1519.00	
13	-171.00	2263.00	831.00	421.60	1720.00	
14	-49.78	1441.00	854.00	260.70	1666.00	
15	-507.80	2788.00	662.40	743.60	1681.00	
16	-76.72	2735.00	731.40	781.90	1658.00	
17	-1316.00	3193.00	792.70	812.60	1635.00	
18	-427.00	2357.00	838.70	521.30	1704.00	
19	-171.00	3395.00	915.30	628.60	1689.00	
20	-1505.00	3812.00	823.40	659.30	1666.00	
21	-319.20	3220.00	693.10	682.30	1650.00	
22	57.97	1657.00	831.00	314.30	1589.00	
23	327.40	2519.00	915.30	322.00	1504.00	
24	246.60	1684.00	746.70	536.60	1658.00	
25	138.80	1522.00	823.40	337.30	1627.00	
26	-76.72	1441.00	815.70	283.60	1704.00	
27	-90.19	1509.00	892.30	498.30	1720.00	
28	273.50	1684.00	723.70	467.60	1620.00	
29	-171.00	1401.00	769.70	207.00	1589.00	
30	84.91	1145.00	823.40	291.30	1581.00	
31	84.91	1172.00	792.70	276.00	1581.00	
32	-467.40	1886.00	677.70	437.00	1596.00	
33	-696.40	2277.00	746.70	628.60	1704.00	
34	-9.38	1509.00	785.00	253.00	1596.00	
35	17.56	1886.00	785.00	391.00	1758.00	
36	17.56	1239.00	907.70	590.30	1481.00	

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	A9860SDY	69860ALT	EVENT
1	15440.00	7680.00	1
2	3008.00	5865.00	2
3	-2718.00	3212.00	3
4	-9280.00	7261.00	4
5	-3416.00	8099.00	5
6	-3136.00	4468.00	6
7	3427.00	7959.00	7
8	12780.00	8099.00	8
9	6638.00	10610.00	9
10	-1321.00	11870.00	10
11	-7744.00	15780.00	11
12	-6069.00	23320.00	12
13	354.50	16900.00	13
14	-203.50	10750.00	14
15	-5929.00	17040.00	15
16	-7186.00	15500.00	16
17	-6068.00	18570.00	17
18	4265.00	13820.00	18
19	3148.00	22200.00	19
20	3566.00	20390.00	20
21	-10960.00	22060.00	21
22	-9839.00	17040.00	22
23	-10960.00	13960.00	23
24	-4812.00	18430.00	24
25	6080.00	12570.00	25
26	5382.00	14380.00	26
27	3846.00	20670.00	27
28	14600.00	12710.00	28
29	3567.00	16480.00	29
30	12500.00	8937.00	30
31	9431.00	8937.00	31
32	4963.00	11170.00	32
33	2449.00	16760.00	33
34	-5789.00	11870.00	34
35	-7186.00	13540.00	35
36	19070.00	10190.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.94	8.85	13.79	-3.91	11.98	1.20	2
3	4.11	7.53	12.33	-3.43	11.86	.99	3
4	5.27	10.33	15.60	-5.06	11.69	1.49	4
5	5.25	7.78	13.03	-3.36	14.05	1.12	5
6	4.07	7.36	11.43	-3.29	12.15	.87	6
7	4.94	8.64	13.58	-3.70	11.28	1.16	7
8	5.46	9.03	14.49	-3.77	11.28	1.33	8
9	3.83	7.05	10.88	-3.22	11.82	.70	9
10	5.04	8.54	13.58	-3.50	13.47	2.11	10
11	4.49	6.11	10.60	-1.62	13.43	.83	11
12	3.97	5.66	9.63	-1.69	13.27	.66	12
13	3.66	7.91	11.57	-4.26	13.60	1.16	13
14	4.45	9.06	13.51	-4.61	12.56	1.20	14
15	4.52	9.55	14.07	-5.02	13.31	1.37	15
16	4.77	9.79	14.56	-5.06	12.89	1.37	16
17	4.30	9.36	13.65	-5.06	12.65	1.28	17
18	4.25	9.06	13.31	-4.81	14.14	1.28	18
19	5.20	10.26	15.46	-5.06	15.13	1.53	19
20	3.83	7.95	11.78	-4.12	12.94	1.08	20
21	4.04	7.60	11.64	-3.56	12.52	.91	21
22	3.83	7.32	11.15	-3.50	11.49	1.04	22
23	4.04	7.19	11.22	-3.36	11.49	1.04	23
24	4.28	7.64	11.92	-3.36	11.98	1.12	24
25	3.93	6.94	10.88	-3.01	12.02	.83	25
26	3.93	7.78	11.71	-3.84	11.49	1.37	26
27	3.66	8.68	12.33	-5.02	12.27	1.08	27
28	3.66	6.46	10.11	-2.80	10.70	.75	28
29	3.83	6.49	10.32	-2.87	9.25	.70	29
30	4.04	6.42	10.53	-2.39	8.42	.70	30
31	3.66	5.69	9.35	-2.11	7.92	.62	31
32	3.41	3.65	7.06	-.23	6.64	.41	32
33	3.86	3.96	7.82	-.23	6.68	.46	33
34	3.27	4.27	8.24	-1.00	6.93	.54	34
35	4.94	5.73	10.67	-.93	7.05	.66	35
36	4.87	5.94	10.81	-1.07	6.85	.70	36
37	3.34	3.51	6.99	-.16	7.63	1.33	37
38	2.86	3.99	7.06	-1.14	6.56	.41	38
39	3.66	4.58	8.24	-.93	6.64	.66	39
40	3.69	4.20	7.89	-.65	6.89	.99	40
41	5.32	5.83	11.15	-.86	8.21	.99	41
42	4.80	6.35	11.15	-1.83	12.94	.83	42
43	3.52	5.00	8.52	-1.55	11.98	.62	43
44	4.73	7.05	11.78	-2.31	13.72	1.12	44
45	4.49	6.18	10.67	-1.69	13.60	.91	45
46	4.28	6.46	10.74	-2.59	11.49	.87	46
47	4.45	6.42	10.88	-2.39	9.91	.70	47
48	4.18	6.07	10.25	-1.97	12.07	.79	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
49	3.45	6.18	10.39	-2.73	12.36	.91	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	13.13	2.77	1428.00	2886.00	18770.00	11910.00	2
3	12.56	2.48	1580.00	2734.00	14280.00	12950.00	3
4	11.50	3.65		5000.00	16530.00	27280.00	4
5	14.04	2.56	1125.00	4405.00	16010.00	14330.00	5
6	12.51	2.04	1277.00	1823.00	16530.00	7251.00	6
7	12.21	2.88	1580.00	4253.00	15660.00	18820.00	7
8	12.21	3.43	1732.00	5316.00	17740.00	21240.00	8
9	12.34	2.20	1125.00	1671.00	14970.00	5352.00	9
10	13.18	2.99	1884.00	2430.00	19290.00	10360.00	10
11	12.89	2.86	2340.00	4405.00	16360.00	15370.00	11
12	11.88	3.27	1125.00	2886.00	11690.00	12090.00	12
13	14.60	1.90	973.00	2734.00	15660.00	9151.00	13
14	12.61	2.75	1277.00	6988.00	14110.00	27970.00	14
15	12.56	2.59		4000.00	16530.00	21750.00	15
16	12.37	2.88		6000.00	13770.00	27970.00	16
17	11.66	2.39	-6166.00	11700.00	13420.00	20370.00	17
18	12.70	1.20	972.50	3646.00	16360.00	14680.00	18
19	12.48	2.72		6500.00	13940.00	26410.00	19
20	13.21	1.93	1125.00	1671.00	14460.00	5179.00	20
21	13.00	1.06	1125.00	1975.00	16360.00	8805.00	21
22	12.26	.98	517.00	1975.00	13420.00	9668.00	22
23	12.59	1.36	972.50	1823.00	13080.00	5870.00	23
24	12.29	1.17	1125.00	2583.00	13420.00	11740.00	24
25	13.00	2.10	1277.00	1519.00	14280.00	6043.00	25
26	12.42	1.47	1429.00	1975.00	15490.00	8978.00	26
27	11.58	5.69		2000.00	10660.00	11050.00	27
28	10.95	1.63	365.50	2127.00	10830.00	7079.00	28
29	9.87	1.63	213.50	3494.00	11690.00	12090.00	29
30	9.19	1.44	1277.00	3646.00	10830.00	11220.00	30
31	5.08	2.56	1125.00	4709.00	13770.00	19340.00	31
32	4.94	2.37	669.00	4861.00	11350.00	14500.00	32
33	5.16	2.59	517.00	5924.00	11870.00	19160.00	33
34	6.22	2.56	517.00	6228.00	12730.00	21750.00	34
35	8.72	2.23	1125.00	6228.00	13940.00	23650.00	35
36	7.64	2.99	1732.00	5924.00	14630.00	17090.00	36
37	5.49	2.37	973.00	5468.00	10140.00	15710.00	37
38	3.96	2.10	365.00	4557.00	9622.00	14500.00	38
39	5.44	3.43	1125.00	5317.00	9968.00	16570.00	39
40	5.51	3.59	669.00	4861.00	7723.00	16400.00	40
41	6.11	2.94	1125.00	6532.00	12730.00	20720.00	41
42	12.32	2.72	2036.00	2886.00	14110.00	12090.00	42
43	11.55	2.83	1125.00	2583.00	14630.00	11220.00	43
44	12.75	2.99	2492.00	3038.00	16870.00	11740.00	44
45	11.53	3.45	213.00	4405.00	15320.00	16750.00	45
46	13.27	3.40	1885.00	4861.00	17220.00	21410.00	46
47	12.21	3.48	1581.00	4861.00	16360.00	19850.00	47
48	13.10	3.24	2036.00	4709.00	14970.00	20890.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
49	13.05	3.67	1429.00	3798.00	11690.00	15540.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49720SDY	49720ALT	69730SDY	69730ALT	49740SDY	49740ALT	EVENT
2	3661.00	4230.00	2910.00	4799.00	-4596.00	8026.00	2
3	4056.00	4546.00	2196.00	4878.00	-4681.00	9287.00	3
4	3542.00	9410.00	2355.00	7180.00	-5101.00	13660.00	4
5	4135.00	4705.00	2394.00	5315.00	-3589.00	9203.00	5
6	4214.00	2649.00	2830.00	3689.00	-4218.00	4791.00	6
7	4017.00	5851.00	2156.00	5394.00	-3882.00	10930.00	7
8	3740.00	8342.00	2632.00	5077.00	-4471.00	12190.00	8
9	4294.00	2254.00	2791.00	3411.00	-3840.00	4244.00	9
10	5479.00	4151.00	2830.00	3927.00	-5941.00	7018.00	10
11	5519.00	4349.00	3544.00	5117.00	-3588.00	6765.00	11
12	3028.00	4547.00	2315.00	4521.00	-3336.00	6933.00	12
13	5005.00	4942.00	2355.00	4799.00	-5689.00	5337.00	13
14	4096.00	10200.00	2116.00	5196.00	-5479.00	13870.00	14
15	3661.00	8501.00	2394.00	4839.00	-4807.00	10590.00	15
16	3661.00	9845.00	2235.00	5315.00	-5185.00	12730.00	16
17	4333.00	9094.00	1958.00	5989.00	-5353.00	10380.00	17
18	5914.00	6247.00	3069.00	4561.00	-4639.00	8993.00	18
19	3977.00	10480.00	2513.00	6069.00	-5269.00	12400.00	19
20	4965.00	3400.00	2831.00	4085.00	-5311.00	3866.00	20
21	4689.00	4467.00	2156.00	4284.00	-4596.00	5169.00	21
22	4056.00	3993.00	2632.00	4284.00	-4764.00	4749.00	22
23	3898.00	3756.00	1799.00	4641.00	-5059.00	4118.00	23
24	5361.00	4981.00	2196.00	4482.00	-5311.00	6807.00	24
25	5361.00	3558.00	3148.00	4402.00	-4639.00	4202.00	25
26	6151.00	4665.00	2950.00	4680.00	-4428.00	5001.00	26
27	4609.00	4863.00	2037.00	5275.00	-4386.00	5043.00	27
28	3937.00	3479.00	2275.00	4085.00	-3546.00	4202.00	28
29	4096.00	4823.00	1204.00	5077.00	-4386.00	5547.00	29
30	4491.00	5298.00	1760.00	5871.00	-4512.00	5925.00	30
31	3226.00	7116.00	1442.00	6823.00	-5731.00	6303.00	31
32	2475.00	6365.00	847.00	6307.00	-3378.00	4706.00	32
33	2672.00	6563.00	887.00	7219.00	-3042.00	7648.00	33
34	3819.00	7077.00	1442.00	7854.00	-3084.00	7354.00	34
35	3779.00	8065.00	768.00	8290.00	-4597.00	8446.00	35
36	4017.00	7353.00	1442.00	6743.00	-6361.00	6430.00	36
37	3542.00	6721.00	926.50	5752.00	-2915.00	5253.00	37
38	1012.00	6642.00	1085.00	6069.00	-3125.00	5127.00	38
39	2514.00	7275.00	609.00	6545.00	-3336.00	5841.00	39
40	4056.00	6998.00	1958.00	7021.00	-3168.00	6093.00	40
41	1921.00	7393.00	1839.00	7458.00	-4218.00	7984.00	41
42	5124.00	3716.00	3148.00	4323.00	-4386.00	6051.00	42
43	3423.00	3835.00	2473.00	4363.00	-4134.00	5715.00	43
44	5440.00	3795.00	2989.00	3530.00	-5521.00	5421.00	44
45	5835.00	5535.00	3307.00	5037.00	-4134.00	8236.00	45
46	5875.00	7709.00	2989.00	6069.00	-1277.00	8572.00	46
47	4017.00	7195.00	2394.00	5156.00	-1151.00	7522.00	47
48	4333.00	7195.00	2116.00	5355.00	-1571.00	8614.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
49	3028.00	6761.00	2315.00	5156.00	-2580.00	9623.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLPI FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4693.00	7054.00	2556.00	14370.00	46120.00	16740.00	2
3	-4819.00	6551.00	4805.00	13880.00	48360.00	15990.00	3
4	-3907.00	11310.00	2361.00	23170.00	53430.00	25250.00	4
5	-3371.00	7747.00	3339.00	14760.00	46710.00	16740.00	5
6	-4945.00	3464.00	3143.00	10460.00	46120.00	11060.00	6
7	-2269.00	9038.00	4805.00	14270.00	48060.00	17190.00	7
8	-3718.00	10800.00	6174.00	17600.00	50450.00	20180.00	8
9	-5039.00	3055.00	2350.00	9581.00	47010.00	10760.00	9
10	-5953.00	5983.00	1677.00	14270.00	45220.00	14650.00	10
11	-3214.00	7716.00	1872.00	13690.00	44470.00	15390.00	11
12	-2709.00	6708.00	5098.00	10850.00	50000.00	13150.00	12
13	-7118.00	4504.00	2752.00	13390.00	45820.00	14650.00	13
14	-6866.00	10550.00	4707.00	23950.00	48200.00	30180.00	14
15	-6457.00	9070.00	601.00	20630.00	44620.00	23910.00	15
16	-6898.00	10080.00	4805.00	26790.00	49840.00	30330.00	16
17	-6803.00	8849.00	2361.00	23370.00	48200.00	29590.00	17
18	-6331.00	7054.00	1579.00	18480.00	45520.00	22420.00	18
19	-6551.00	9101.00	3045.00	27370.00	49250.00	34520.00	19
20	-4457.00	3212.00	3827.00	12320.00	46860.00	13600.00	20
21	-6646.00	3968.00	2166.00	12610.00	45820.00	14350.00	21
22	-6110.00	4063.00	3632.00	12120.00	46260.00	13300.00	22
23	-6268.00	4283.00	4316.00	12220.00	47460.00	13300.00	23
24	-6646.00	5606.00	3045.00	14660.00	45220.00	16140.00	24
25	-5260.00	2960.00	4121.00	11050.00	44320.00	12260.00	25
26	-5953.00	3653.00	3339.00	13000.00	45070.00	15990.00	26
27	-4882.00	5039.00	1970.00	18090.00	46410.00	18230.00	27
28	-5008.00	3779.00	4609.00	10750.00	47160.00	11810.00	28
29	-4977.00	4692.00	4218.00	12510.00	46260.00	14800.00	29
30	-3056.00	5606.00	5782.00	14860.00	47610.00	16140.00	30
31	-6110.00	5889.00	210.00	16130.00	44020.00	19430.00	31
32	-3937.00	4850.00	-377.00	15740.00	48950.00	20770.00	32
33	-2174.00	7180.00	2263.00	15450.00	46260.00	19280.00	33
34	-5197.00	8125.00	-1844.00	17990.00	46710.00	23310.00	34
35	-5229.00	7967.00	3436.00	19550.00	45360.00	24650.00	35
36	-3276.00	6078.00	-279.00	19550.00	44470.00	22860.00	36
37	-3496.00	5480.00	1383.00	15350.00	48800.00	17630.00	37
38	-1356.00	5606.00	3436.00	15640.00	45970.00	17790.00	38
39	-3874.00	5480.00	4121.00	15150.00	46860.00	17790.00	39
40	-3245.00	5858.00	4316.00	17110.00	48800.00	18230.00	40
41	-5512.00	7495.00	3827.00	19550.00	47910.00	22420.00	41
42	-4315.00	5606.00	3241.00	13300.00	41930.00	15540.00	42
43	-4378.00	6488.00	5587.00	10560.00	46560.00	13300.00	43
44	-6425.00	4819.00	2361.00	11440.00	40740.00	13450.00	44
45	-4851.00	7967.00	4805.00	13300.00	42830.00	17640.00	45
46	-3151.00	7275.00	1872.00	14270.00	42380.00	15990.00	46
47	-4536.00	6330.00	3632.00	12710.00	40880.00	15390.00	47
48	-4252.00	6677.00	3534.00	13000.00	42080.00	15100.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
49	-5386.00	6865.00	5098.00	11830.00	42980.00	14500.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	36830.00	14150.00	383.40	1867.00	-305.30	1553.00	2
3	39490.00	13810.00	564.10	1807.00	-284.30	1406.00	3
4	41990.00	24300.00	-1002.00	5781.00	-1334.00	4427.00	4
5	37160.00	14810.00	564.10	1807.00	-116.50	1574.00	5
6	37000.00	8988.00	684.50	1566.00	-179.40	1343.00	6
7	39660.00	16310.00	353.30	2439.00	-662.00	2203.00	7
8	41490.00	20470.00	112.10	4185.00	-1166.00	3378.00	8
9	39000.00	9653.00	804.90	1505.00	-137.50	1259.00	9
10	35830.00	11820.00	865.20	2228.00	-536.10	1783.00	10
11	39990.00	15650.00	1106.00	1626.00	-32.59	1112.00	11
12	41160.00	13150.00	624.30	1927.00	-578.10	1741.00	12
13	37660.00	12320.00	1106.00	2650.00	-200.40	2245.00	13
14	39330.00	22640.00	-671.00	5751.00	-1774.00	4826.00	14
15	35330.00	18970.00	-189.00	4366.00	-1187.00	3861.00	15
16	40820.00	26790.00	-1153.00	6233.00	-2215.00	5434.00	16
17	39990.00	25300.00	-219.50	4577.00	-1501.00	3840.00	17
18	35500.00	19140.00	985.60	2288.00	-221.40	1930.00	18
19	40990.00	33280.00	172.00	6233.00	-1187.00	5120.00	19
20	37000.00	10320.00	985.60	2409.00	-326.30	1993.00	20
21	36330.00	11320.00	1196.00	2138.00	-221.40	1846.00	21
22	36670.00	10320.00	1016.00	1957.00	-305.30	1762.00	22
23	37330.00	10320.00	1287.00	2710.00	-53.56	2140.00	23
24	36670.00	10980.00	1046.00	1987.00	-305.30	1762.00	24
25	35170.00	12150.00	1076.00	2017.00	-410.30	1783.00	25
26	36670.00	13320.00	1046.00	2047.00	-368.30	1867.00	26
27	36330.00	14310.00	1016.00	2138.00	-326.30	1867.00	27
28	37160.00	8821.00	925.30	1746.00	-263.40	1553.00	28
29	36170.00	10820.00	774.80	2078.00	-368.30	1741.00	29
30	37160.00	13150.00	594.20	2078.00	-599.10	1721.00	30
31	37830.00	18810.00	1106.00	2469.00	-32.59	1616.00	31
32	41660.00	19640.00	1226.00	1987.00	114.30	1469.00	32
33	36670.00	19640.00	1136.00	2138.00	-326.30	1783.00	33
34	38660.00	22640.00	1377.00	2258.00	-536.10	1993.00	34
35	36170.00	25460.00	1076.00	2379.00	-599.10	2014.00	35
36	35500.00	24800.00	835.00	2318.00	-515.20	1846.00	36
37	41660.00	19640.00	1106.00	2108.00	240.20	1511.00	37
38	37830.00	17810.00	985.60	2047.00	-11.59	1553.00	38
39	37500.00	18140.00	1136.00	2258.00	-263.40	1721.00	39
40	39830.00	17810.00	744.70	2409.00	-326.30	1700.00	40
41	37500.00	23800.00	1166.00	2589.00	-536.20	2035.00	41
42	35500.00	13810.00	774.80	1596.00	-137.50	1343.00	42
43	36830.00	12820.00	1618.00	1174.00	282.20	839.30	43
44	35170.00	13810.00	1106.00	1385.00	-32.56	1154.00	44
45	38160.00	18470.00	172.60	2258.00	-410.30	2035.00	45
46	33840.00	16810.00	1377.00	2379.00	-1103.00	2182.00	46
47	36670.00	16640.00	142.50	1987.00	-452.20	1616.00	47
48	32340.00	14980.00	895.20	1776.00	-158.50	1196.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
49	34500.00	14150.00	-881.30	3493.00	-1355.00	2938.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	137.50	1255.00	938.50	283.80	1695.00	500.80	2
3	83.50	1039.00	915.50	337.50	1695.00	562.40	3
4	-118.90	3131.00	907.80	605.90	1718.00	862.90	4
5	-240.40	1444.00	838.80	337.50	1633.00	562.40	5
6	137.40	877.10	884.80	168.70	1672.00	292.80	6
7	-145.90	1862.00	884.80	460.20	1664.00	670.30	7
8	110.50	1957.00	854.10	613.60	1695.00	778.20	8
9	151.00	836.70	915.50	138.00	1680.00	269.70	9
10	-429.30	1660.00	739.10	253.10	1772.00	439.20	10
11	-78.44	904.10	792.80	352.80	1657.00	416.00	11
12	-469.80	1673.00	1015.00	268.40	1757.00	423.80	12
13	231.90	1430.00	831.10	253.10	1700.00	300.00	13
14	-1172.00	3023.00	838.80	644.20	1764.00	847.50	14
15	-469.80	2321.00	808.10	506.20	1718.00	693.40	15
16	-766.70	3293.00	808.10	613.60	1757.00	824.40	16
17	-375.30	2227.00	976.80	506.20	1780.00	678.00	17
18	43.00	1538.00	815.80	360.50	1703.00	585.50	18
19	-226.90	2888.00	831.10	621.30	1703.00	816.70	19
20	56.50	1201.00	846.40	161.10	1718.00	246.50	20
21	56.50	1174.00	838.80	199.40	1703.00	339.00	21
22	56.50	1093.00	900.20	230.10	1710.00	315.90	22
23	245.40	1363.00	900.20	168.70	1710.00	254.30	23
24	124.00	1107.00	854.10	291.40	1687.00	446.80	24
25	43.00	1080.00	846.40	207.10	1680.00	269.70	25
26	2.50	1066.00	831.10	268.40	1664.00	315.90	26
27	16.00	1161.00	907.80	268.40	1687.00	323.60	27
28	29.50	931.10	938.50	161.10	1633.00	269.70	28
29	191.40	1201.00	923.20	299.10	1718.00	369.80	29
30	96.97	1107.00	930.80	260.80	1649.00	377.50	30
31	83.47	1147.00	938.50	544.50	1803.00	408.30	31
32	124.00	863.70	1161.00	398.80	1710.00	315.90	32
33	137.50	1093.00	1130.00	444.80	1633.00	485.40	33
34	29.50	1255.00	1176.00	490.80	1757.00	470.00	34
35	218.40	1606.00	1100.00	536.90	1780.00	523.90	35
36	177.90	1376.00	976.80	460.20	1888.00	431.50	36
37	299.40	931.10	1153.00	406.50	1680.00	346.70	37
38	407.30	985.10	1169.00	437.20	1472.00	323.60	38
39	96.97	998.60	1092.00	406.50	1641.00	369.80	39
40	96.97	971.60	1092.00	437.20	1664.00	377.50	40
41	2.50	1471.00	1084.00	460.20	1841.00	523.90	41
42	56.47	358.10	739.10	314.40	1687.00	385.20	42
43	245.40	688.20	838.80	322.10	1664.00	377.50	43
44	191.40	823.20	746.70	306.80	1726.00	331.30	44
45	-388.80	2132.00	823.50	414.20	1641.00	539.30	45
46	-888.10	1876.00	693.10	544.60	1441.00	554.70	46
47	-537.30	1768.00	746.80	506.20	1472.00	477.70	47
48	70.00	1484.00	769.80	544.60	1472.00	508.50	48

FLIGHT LOADS

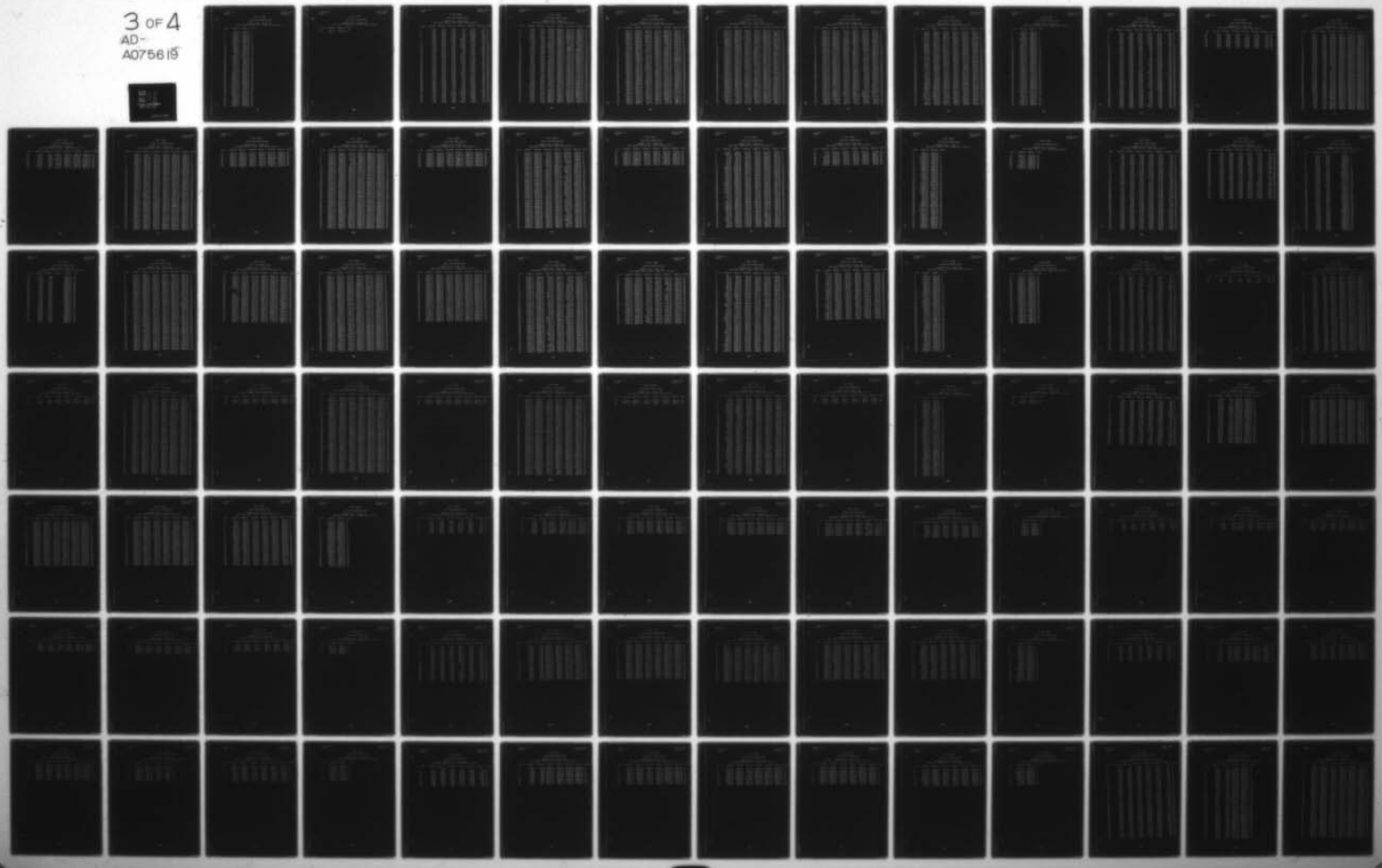
CH-46 FGB STRESS SURVEY

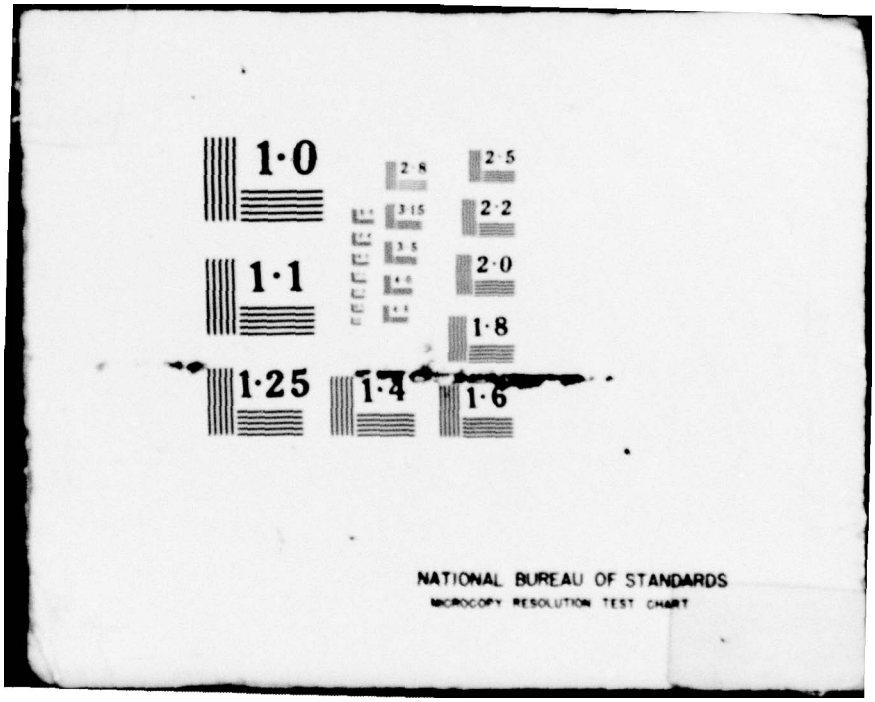
AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
49	-1347.00	2767.00	838.80	444.80	1510.00	577.80	49

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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)
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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	69860SDY	69860ALT	EVENT
2	7901.00	11030.00	2
3	8600.00	10050.00	3
4	10140.00	14940.00	4
5	-4523.00	10890.00	5
6	7762.00	8097.00	6
7	13070.00	10890.00	7
8	14140.00	12560.00	8
9	10270.00	6701.00	9
10	-1451.00	16190.00	10
11	-753.50	9912.00	11
12	1899.00	7538.00	12
13	-893.00	9772.00	13
14	5668.00	11870.00	14
15	921.50	11590.00	15
16	7343.00	12420.00	16
17	6366.00	11450.00	17
18	-4523.00	10610.00	18
19	-9269.00	15080.00	19
20	3574.00	9492.00	20
21	6226.00	7957.00	21
22	13760.00	8795.00	22
23	14180.00	10050.00	23
24	4645.00	9772.00	24
25	9717.00	7818.00	25
26	13210.00	11590.00	26
27	8739.00	9353.00	27
28	19210.00	7538.00	28
29	28840.00	6561.00	29
30	34150.00	8236.00	30
31	37500.00	7678.00	31
32	53270.00	6701.00	32
33	49780.00	8236.00	33
34	45170.00	7259.00	34
35	51590.00	9493.00	35
36	50060.00	9353.00	36
37	52570.00	7120.00	37
38	51180.00	6561.00	38
39	50060.00	8236.00	39
40	52710.00	6701.00	40
41	35120.00	10610.00	41
42	4691.00	8934.00	42
43	7902.00	7120.00	43
44	-195.00	9353.00	44
45	5668.00	9632.00	45
46	20740.00	9074.00	46
47	17670.00	8515.00	47
48	33590.00	7957.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	69860SDY	69860ALT	EVENT
49	8460.00	8515.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	4.35	2.44	6.80	1.78	14.18	.29	1
2	3.77	3.37	7.96	.40	15.79	1.48	2
3	3.84	3.57	7.83	.27	15.04	1.07	3
4	3.91	2.82	6.80	1.09	13.69	.45	4
5	3.54	2.89	7.69	.68	15.58	1.52	5
6	4.22	3.13	7.55	1.09	14.88	.99	6
7	3.19	5.60	10.23	-2.42	14.26	1.03	7
8	3.77	8.04	11.81	-4.27	13.81	.74	8
9	3.63	7.97	11.81	-4.34	12.86	.95	9
10	1.16	2.20	3.63	-1.04	8.71	.16	10
11	1.54	3.06	4.66	-1.52	9.61	.74	11
12	1.19	3.68	4.94	-2.48	8.99	.21	12
13	4.35	4.02	8.44	-.08	14.14	2.80	13
14	4.05	2.54	7.00	1.09	13.36	.62	14
15	4.22	4.02	8.24	.20	11.67	.82	15
16	4.22	5.12	9.41	-1.04	12.21	1.52	16
17	4.11	4.95	9.27	-.83	11.34	.91	17
18	4.25	5.09	9.34	-1.04	11.34	.91	18
19	4.15	5.19	9.55	-1.18	11.05	.95	19
20	4.08	5.12	9.27	-1.04	10.93	.91	20
21	4.11	4.81	8.93	-.97	10.52	.91	21
22	3.94	5.53	9.48	-1.93	11.63	1.03	22
23	3.81	2.78	6.59	1.02	14.35	.29	23
24	4.05	2.34	6.38	1.64	14.22	.25	24
25	4.05	2.34	6.38	1.23	13.23	.33	25
26	3.53	1.96	5.49	1.57	13.40	.41	26
27	3.91	2.34	6.25	1.36	12.33	.58	27
28	3.98	1.51	5.49	2.47	11.75	.41	28
29	3.91	1.65	5.63	2.26	11.22	.37	29
30	3.94	1.41	5.35	2.47	11.26	.33	30
31	4.11	2.47	7.07	1.43	11.67	.58	31
32	4.15	2.51	6.66	1.57	12.82	.66	32
33	4.63	2.72	7.35	1.36	13.07	.58	33
34	3.77	3.78	7.62	-.01	12.12	.70	34
35	3.91	3.92	7.83	-.01	12.41	1.32	35
36	3.84	4.06	7.90	-.35	11.83	.74	36
37	3.70	3.78	7.48	-.08	10.68	.74	37
38	3.60	4.16	7.76	-.56	11.42	.82	38
39	4.39	7.15	11.54	-2.76	12.25	1.32	39
40	4.35	7.25	11.68	-2.90	13.40	.99	40
41	4.97	6.91	12.02	-2.35	13.89	1.48	41
42	4.46	6.46	10.92	-2.00	12.82	.99	42
43	3.81	2.78	7.28	1.02	13.69	.45	43
44	2.12	3.09	6.52	-.97	9.98	1.11	44
45	1.04	3.13	4.32	-2.14	8.46	.14	45
46	.57	2.99	3.98	-2.42	8.38	.16	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
1	12.24	2.60	1536.00	2124.00	14700.00	9199.00	1
2	11.83	3.34	777.50	2579.00	14350.00	11630.00	2
3	11.70	3.64	1384.00	2882.00	14000.00	11280.00	3
4	11.97	2.71	777.50	1972.00	12960.00	7464.00	4
5	13.00	3.74	474.00	2578.00	15390.00	11980.00	5
6	12.16	3.23	1081.00	1972.00	12090.00	8332.00	6
7	13.41	7.08	777.00	2275.00	15050.00	9199.00	7
8	11.34	9.25	474.00	3792.00	6541.00	15970.00	8
9	11.89	7.73	474.00	2882.00	11400.00	11800.00	9
10	6.52	1.93	-284.50	2124.00	5673.00	7811.00	10
11	7.03	2.88	-587.50	2124.00	4631.00	6769.00	11
12	6.79	3.50	-436.00	2275.00	6020.00	7116.00	12
13	10.54	4.23	625.50	3944.00	5000.00	15000.00	13
14	11.26	3.09	170.50	5309.00	11050.00	25690.00	14
15	11.13	3.34	625.50	4854.00	13660.00	21350.00	15
16	9.72	3.56	777.50	5309.00	9144.00	22740.00	16
17	10.10	3.01	474.00	5005.00	5673.00	22040.00	17
18	9.47	3.64	1081.00	5005.00	13480.00	22910.00	18
19	9.12	3.01	19.00	5157.00	8971.00	23610.00	19
20	10.21	3.39	322.50	5157.00	5846.00	22560.00	20
21	9.61	3.18	929.00	4853.00	11570.00	19960.00	21
22	9.24	3.09	1991.00	5915.00	14870.00	25340.00	22
23	11.64	3.26	-132.50	3489.00	14000.00	14060.00	23
24	11.89	2.96	1536.00	3944.00	16090.00	15450.00	24
25	11.78	3.18	929.00	4550.00	13480.00	15270.00	25
26	11.24	3.85	1991.00	4095.00	16430.00	17530.00	26
27	11.26	4.72	1233.00	3337.00	14180.00	13540.00	27
28	10.53	4.15	929.00	3033.00	11750.00	11110.00	28
29	10.42	4.37	1081.00	3185.00	10190.00	11280.00	29
30	10.04	3.99	1081.00	2882.00	11050.00	10760.00	30
31	11.29	3.61	1233.00	4257.00	16950.00	21180.00	31
32	11.84	2.44	170.50	2579.00	11750.00	11110.00	32
33	11.24	2.23	322.50	2427.00	8797.00	12320.00	33
34	11.84	2.50	474.00	4702.00	8797.00	22390.00	34
35	10.69	2.41	1233.00	6674.00	12620.00	31760.00	35
36	10.56	2.71	625.50	6977.00	10710.00	30200.00	36
37	10.15	2.31	19.00	5460.00	8797.00	23780.00	37
38	10.48	2.63	1232.00	7280.00	11400.00	30900.00	38
39	13.76	4.12	1839.00	5763.00	16610.00	29510.00	39
40	12.97	4.64	1536.00	5764.00	11050.00	23950.00	40
41	12.97	3.66	929.00	5157.00	12790.00	23260.00	41
42	13.74	3.74	1688.00	4702.00	17650.00	20830.00	42
43	12.65	2.63	2294.00	3488.00	14520.00	12150.00	43
44	7.74	3.01	929.00	2730.00	11400.00	9373.00	44
45	5.78	3.15	-284.50	2124.00	4978.00	6422.00	45
46	5.40	3.96	-284.50	2427.00	3243.00	7811.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
1	4050.00	3319.00	1587.00	3174.00	-3587.00	3280.00	1
2	2331.00	4023.00	2763.00	3409.00	-3209.00	4079.00	2
3	2956.00	3632.00	1313.00	3840.00	-3755.00	5299.00	3
4	3503.00	2304.00	2567.00	2116.00	-3629.00	2818.00	4
5	4089.00	3905.00	1822.00	3096.00	-5354.00	4121.00	5
6	3542.00	3124.00	2254.00	2979.00	-3124.00	3743.00	6
7	4010.00	3515.00	2371.00	2861.00	-4555.00	6771.00	7
8	2331.00	5897.00	2175.00	3292.00	-1065.00	5299.00	8
9	3932.00	4062.00	1901.00	3723.00	-3167.00	4541.00	9
10	1277.00	2265.00	1156.00	1881.00	-12.72	2313.00	10
11	1667.00	2265.00	446.70	2391.00	-1695.00	2818.00	11
12	1628.00	2382.00	960.20	1999.00	-643.50	2775.00	12
13	4011.00	5311.00	568.00	5291.00	-3882.00	7443.00	13
14	4597.00	8241.00	2018.00	5565.00	-3461.00	7527.00	14
15	5260.00	6952.00	4017.00	5526.00	-3209.00	7443.00	15
16	3386.00	7655.00	411.00	6310.00	-2368.00	8536.00	16
17	2800.00	8007.00	528.50	6585.00	-1569.00	8578.00	17
18	3307.00	7889.00	-412.00	6114.00	-2074.00	8158.00	18
19	3112.00	7538.00	-216.00	7564.00	-2536.00	8452.00	19
20	3346.00	7772.00	215.00	7133.00	-2663.00	8831.00	20
21	2800.00	7069.00	-98.50	6506.00	-2873.00	7443.00	21
22	4909.00	10120.00	1509.00	6859.00	-2158.00	11020.00	22
23	3893.00	4335.00	2959.00	3762.00	-2494.00	5803.00	23
24	3425.00	4725.00	2998.00	4115.00	-2662.00	5131.00	24
25	3503.00	4881.00	3312.00	4037.00	-3293.00	6770.00	25
26	5456.00	5506.00	3312.00	4820.00	-2704.00	8368.00	26
27	5573.00	4921.00	1195.00	3645.00	-3461.00	7443.00	27
28	2722.00	4960.00	646.60	3801.00	-3671.00	6392.00	28
29	1746.00	4608.00	999.00	4389.00	-3545.00	6434.00	29
30	1824.00	4686.00	725.00	4115.00	-3671.00	6308.00	30
31	4011.00	7342.00	2175.00	6114.00	-1443.00	11900.00	31
32	3151.00	4452.00	2959.00	3135.00	-2494.00	4626.00	32
33	2682.00	4999.00	3155.00	3644.00	-3167.00	3785.00	33
34	2175.00	9334.00	2214.00	4664.00	-3209.00	8789.00	34
35	1550.00	10660.00	1783.00	5643.00	-2536.00	9966.00	35
36	1355.00	10080.00	1156.00	5409.00	-2704.00	9966.00	36
37	-364.00	8670.00	842.40	4860.00	-3335.00	8074.00	37
38	261.00	10080.00	1391.00	6741.00	-2158.00	10600.00	38
39	3894.00	10270.00	4330.00	7564.00	-2032.00	9209.00	39
40	5573.00	7576.00	1704.00	6349.00	-2242.00	11440.00	40
41	3112.00	7694.00	2998.00	6702.00	-2368.00	9041.00	41
42	3815.00	7381.00	1469.00	5879.00	-3419.00	9167.00	42
43	4128.00	4100.00	1548.00	3684.00	-3839.00	4542.00	43
44	2565.00	2695.00	450.70	2587.00	-2284.00	3238.00	44
45	1472.00	2382.00	960.20	1607.00	-517.30	1892.00	45
46	456.80	2304.00	842.70	2116.00	-475.30	2859.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	-5041.00	2829.00	-986.50	7670.00	37270.00	10170.00	1
2	-4696.00	3489.00	1053.00	7767.00	38150.00	10170.00	2
3	-3941.00	3866.00	955.00	8446.00	38740.00	9285.00	3
4	-4821.00	2672.00	-16.00	7087.00	39330.00	6337.00	4
5	-6141.00	3677.00	-1375.00	10000.00	38740.00	10170.00	5
6	-5261.00	3237.00	-1472.00	7573.00	39780.00	8253.00	6
7	-5669.00	5280.00	664.00	9708.00	39630.00	9874.00	7
8	-4978.00	3520.00	178.50	11360.00	38010.00	11790.00	8
9	-5890.00	4745.00	2023.00	14170.00	40360.00	15620.00	9
10	-452.80	2451.00	2121.00	3010.00	40810.00	4569.00	10
11	-767.00	2388.00	2315.00	4175.00	41990.00	4864.00	11
12	-1867.00	2672.00	1441.00	4855.00	41400.00	5453.00	12
13	-3125.00	7574.00	2897.00	10190.00	39330.00	13120.00	13
14	-4790.00	6599.00	2606.00	12620.00	43020.00	14740.00	14
15	-5544.00	7479.00	4936.00	12230.00	41100.00	12820.00	15
16	-3533.00	8108.00	2703.00	13690.00	39480.00	12380.00	16
17	-3062.00	8831.00	1732.00	13690.00	38010.00	12970.00	17
18	-2748.00	8140.00	2024.00	13400.00	39480.00	12080.00	18
19	-3502.00	8140.00	3382.00	14170.00	39040.00	13710.00	19
20	-2339.00	8548.00	3286.00	14660.00	38600.00	13850.00	20
21	-2496.00	7636.00	2703.00	13300.00	38740.00	12230.00	21
22	-3030.00	6537.00	1926.00	18540.00	38740.00	20190.00	22
23	-4821.00	4934.00	-209.50	7476.00	41400.00	8990.00	23
24	-5356.00	5406.00	-986.50	7476.00	40070.00	9432.00	24
25	-4633.00	5625.00	-404.00	8446.00	37560.00	11050.00	25
26	-5261.00	5626.00	470.00	10490.00	42280.00	11640.00	26
27	-4224.00	6977.00	1441.00	9514.00	42870.00	11940.00	27
28	-4067.00	6505.00	2120.00	7281.00	40660.00	9137.00	28
29	-4433.00	6568.00	1435.00	7767.00	39330.00	8990.00	29
30	-4570.00	6065.00	1053.00	7379.00	38600.00	7958.00	30
31	-2402.00	10940.00	3091.00	12720.00	39480.00	13560.00	31
32	-4853.00	3268.00	1247.00	8350.00	42720.00	10020.00	32
33	-4538.00	3646.00	2994.00	9514.00	42430.00	10320.00	33
34	-4664.00	7291.00	3188.00	11460.00	41840.00	14440.00	34
35	-3251.00	8454.00	3383.00	10870.00	43160.00	12820.00	35
36	-2905.00	7857.00	3383.00	11070.00	42720.00	12380.00	36
37	-3595.00	6537.00	3771.00	11070.00	42720.00	13560.00	37
38	-3879.00	9019.00	3188.00	15530.00	40510.00	19900.00	38
39	-2779.00	9479.00	2120.00	17380.00	42430.00	18570.00	39
40	-5293.00	11190.00	1732.00	18540.00	39190.00	21520.00	40
41	-5041.00	3234.00	-501.00	13980.00	38300.00	17680.00	41
42	-3439.00	7637.00	4936.00	19610.00	42580.00	21660.00	42
43	-4267.00	4180.00	761.00	9417.00	40220.00	12230.00	43
44	-5387.00	3677.00	3771.00	8544.00	42430.00	10320.00	44
45	-201.40	1948.00	2314.00	3398.00	41690.00	4274.00	45
46	207.10	2797.00	3188.00	3301.00	41690.00	3979.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TGGW 24300 TGCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	33860.00	9870.00	232.30	1112.00	-153.30	755.10	1
2	32550.00	11190.00	142.20	1322.00	-90.41	776.10	2
3	32710.00	9706.00	52.03	1232.00	-111.40	880.90	3
4	33370.00	6745.00	472.70	871.40	-90.41	608.30	4
5	35180.00	8554.00	142.20	1202.00	-300.20	901.90	5
6	34350.00	9706.00	262.40	1142.00	-195.30	713.20	6
7	33040.00	10360.00	-38.09	1562.00	-447.00	1426.00	7
8	33860.00	12170.00	472.70	1472.00	266.20	880.90	8
9	35840.00	13160.00	562.80	1082.00	-132.30	776.10	9
10	34820.00	5593.00	953.50	570.90	434.00	377.50	10
11	37150.00	5264.00	863.30	661.10	454.90	524.40	11
12	34000.00	7074.00	803.20	781.20	454.90	524.40	12
13	33530.00	17770.00	-579.00	2644.00	-426.00	1573.00	13
14	38630.00	14640.00	532.80	1953.00	77.41	1321.00	14
15	34160.00	12170.00	683.00	1623.00	-48.47	1238.00	15
16	34350.00	13650.00	502.70	1803.00	161.30	1489.00	16
17	33530.00	14150.00	592.90	1773.00	-6.50	1573.00	17
18	33860.00	13490.00	653.00	1833.00	-48.47	1489.00	18
19	33370.00	13980.00	562.80	1803.00	-111.40	1468.00	19
20	32870.00	13820.00	713.10	1713.00	182.30	1510.00	20
21	33040.00	13650.00	893.30	1653.00	14.47	1342.00	21
22	32710.00	16610.00	953.40	2133.00	455.00	1489.00	22
23	37810.00	9541.00	773.20	1112.00	-27.50	839.00	23
24	35670.00	11350.00	352.50	1172.00	-216.30	943.90	24
25	32710.00	13980.00	322.40	1142.00	-48.44	985.80	25
26	35180.00	11520.00	502.80	1382.00	-48.44	1154.00	26
27	34160.00	14480.00	502.70	1442.00	-6.50	1154.00	27
28	34520.00	10200.00	622.90	1502.00	-6.50	1154.00	28
29	33530.00	10530.00	653.00	1472.00	-6.50	1238.00	29
30	33370.00	8390.00	502.70	1442.00	56.41	1175.00	30
31	33370.00	13000.00	232.30	2193.00	-27.50	1468.00	31
32	35180.00	12500.00	442.70	1022.00	140.30	713.20	32
33	34000.00	13320.00	803.20	1142.00	161.30	860.00	33
34	37810.00	17440.00	683.00	1562.00	35.44	1321.00	34
35	35510.00	18100.00	653.00	1893.00	14.47	1552.00	35
36	37480.00	17770.00	653.00	2013.00	98.34	1552.00	36
37	34850.00	16120.00	472.70	1893.00	77.41	1238.00	37
38	32540.00	21390.00	562.80	2404.00	-111.40	1636.00	38
39	35510.00	20730.00	-128.30	3215.00	-929.40	2957.00	39
40	35010.00	22870.00	-398.70	3606.00	-1118.00	3147.00	40
41	34030.00	19580.00	-879.70	3245.00	-1286.00	2601.00	41
42	33700.00	20230.00	142.20	2103.00	-614.80	2098.00	42
43	34850.00	11190.00	713.10	1112.00	-90.41	692.20	43
44	36160.00	11190.00	683.00	901.40	-90.41	566.30	44
45	34990.00	4113.00	1104.00	661.10	496.90	440.50	45
46	36490.00	4606.00	1284.00	781.20	454.90	482.40	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
1	101.30	363.30	773.00	261.20	1050.00	202.10	1
2	195.50	538.20	849.80	276.60	1027.00	272.10	2
3	128.20	551.70	895.90	261.20	1081.00	342.00	3
4	87.84	376.70	834.40	215.10	1042.00	178.80	4
5	-356.20	820.80	742.30	261.20	1159.00	264.30	5
6	47.47	417.10	842.10	238.10	1027.00	241.00	6
7	-611.80	1426.00	811.40	253.50	1120.00	427.50	7
8	-87.06	740.00	988.10	414.80	925.50	326.50	8
9	128.20	551.70	819.10	291.90	1019.00	279.80	9
10	356.90	269.10	1050.00	215.10	863.30	139.90	10
11	343.50	390.20	1050.00	184.30	948.80	178.80	11
12	182.00	417.10	1042.00	192.00	886.60	178.80	12
13	262.80	928.40	1219.00	706.70	1081.00	482.00	13
14	114.80	1076.00	895.90	645.30	1058.00	474.20	14
15	74.41	1144.00	957.30	568.50	1058.00	474.20	15
16	330.00	941.80	980.40	591.50	987.70	544.20	16
17	195.50	968.80	972.70	568.50	933.30	551.90	17
18	276.20	914.90	819.10	583.80	972.10	513.10	18
19	141.70	968.80	957.30	599.20	1011.00	567.50	19
20	303.10	1023.00	918.90	606.90	987.70	559.70	20
21	262.80	901.50	865.20	522.30	995.50	489.70	21
22	155.10	928.40	696.20	706.70	956.60	699.70	22
23	-140.90	686.20	811.40	315.00	995.50	365.30	23
24	74.41	793.80	773.00	322.60	995.50	334.30	24
25	74.41	659.30	811.40	361.00	1065.00	419.80	25
26	182.00	713.10	726.90	414.80	1011.00	520.80	26
27	34.03	753.50	749.90	391.80	1097.00	466.40	27
28	155.10	713.10	918.90	361.10	1097.00	373.10	28
29	101.30	766.90	918.90	330.30	1058.00	396.50	29
30	195.50	672.80	980.40	299.60	1058.00	380.90	30
31	114.80	914.90	765.30	576.10	941.00	730.70	31
32	20.56	632.40	903.60	330.30	1011.00	287.60	32
33	222.40	645.80	926.60	353.40	1058.00	241.00	33
34	343.50	928.40	980.40	683.70	1019.00	544.20	34
35	330.00	1049.00	972.70	845.00	1003.00	606.30	35
36	249.30	1050.00	995.80	821.90	1019.00	606.30	36
37	289.70	982.20	1080.00	676.00	1050.00	497.50	37
38	330.00	1211.00	1003.00	845.00	987.70	637.40	38
39	-1163.00	2839.00	780.70	822.00	948.80	551.90	39
40	-706.00	2974.00	949.70	545.40	987.70	715.20	40
41	-961.70	2530.00	880.50	614.50	972.10	528.60	41
42	-854.00	2072.00	680.80	537.70	1027.00	567.50	42
43	101.30	524.80	811.40	299.60	1065.00	295.40	43
44	141.70	457.50	965.00	222.80	1019.00	202.10	44
45	383.80	296.00	1050.00	169.00	878.90	124.40	45
46	276.20	349.80	1096.00	184.40	855.50	178.80	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	69860SDY	69860ALT	EVENT
1	-720.00	4169.00	1
2	-1692.00	4864.00	2
3	948.00	5559.00	3
4	392.00	4169.00	4
5	-9475.00	6810.00	5
6	-6000.00	8616.00	6
7	-163.50	7505.00	7
8	531.00	5698.00	8
9	3867.00	7922.00	9
10	36250.00	2224.00	10
11	33470.00	2780.00	11
12	32910.00	3335.00	12
13	13460.00	8894.00	13
14	2894.00	7783.00	14
15	14010.00	9728.00	15
16	18460.00	8894.00	16
17	17210.00	9033.00	17
18	18740.00	9172.00	18
19	19010.00	9728.00	19
20	17620.00	8894.00	20
21	21240.00	8339.00	21
22	14290.00	9450.00	22
23	1226.00	5003.00	23
24	-580.50	5698.00	24
25	-1832.00	5281.00	25
26	6229.00	6115.00	26
27	11650.00	7644.00	27
28	14570.00	6115.00	28
29	17350.00	6115.00	29
30	19150.00	5142.00	30
31	17070.00	8894.00	31
32	4562.00	6115.00	32
33	5257.00	6532.00	33
34	8174.00	8616.00	34
35	14150.00	9589.00	35
36	15820.00	9033.00	36
37	23040.00	9311.00	37
38	20820.00	12090.00	38
39	-4974.00	10700.00	39
40	1921.00	10700.00	40
41	18320.00	9589.00	41
42	1087.00	10150.00	42
43	-7529.00	5698.00	43
44	30130.00	8894.00	44
45	34660.00	2362.00	45
46	34580.00	2224.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.46	6.05	10.51	-1.59	15.50	.78	2
3	5.01	6.32	11.40	-1.66	11.42	1.98	3
4	4.77	6.84	11.61	-2.14	15.46	.91	4
5	4.56	6.98	11.54	-2.48	15.29	.90	5
6	4.42	6.29	10.71	-1.86	15.41	.78	6
7	4.39	6.12	10.51	-1.73	15.33	.78	7
8	4.60	7.35	11.95	-2.76	14.80	.91	8
9	4.05	2.96	7.00	1.09	14.68	.54	9
10	4.11	2.75	6.86	1.36	14.63	.58	10
11	4.56	5.12	9.68	-.56	14.47	.91	11
12	4.39	3.85	8.24	.54	13.81	.74	12
13	4.29	3.61	7.90	.68	14.18	.70	13
14	4.01	3.68	7.69	.27	11.51	.66	14
15	3.91	3.16	7.07	.75	10.02	.58	15
16	3.19	2.58	5.83	.61	8.62	.41	16
17	4.60	4.54	9.13	.06	11.51	.99	17
18	4.01	2.92	7.07	1.09	13.56	.58	18
19	4.29	3.54	7.83	.75	13.61	.62	19
20	4.80	4.81	9.61	-.42	14.39	1.56	20
21	4.80	6.53	11.33	-1.93	14.63	1.15	21
22	4.66	7.15	11.81	-2.48	15.05	1.40	22
23	4.01	3.06	7.07	.95	13.98	.58	23
24	4.18	3.02	7.21	1.02	14.55	.58	24
25	4.05	3.09	7.14	.95	15.17	.62	25
26	4.66	6.32	10.99	-1.73	14.47	1.07	26
27	4.63	6.63	11.26	-2.00	14.26	1.11	27
28	4.42	4.09	8.65	.33	12.86	1.28	28
29	4.15	4.50	8.65	-.35	13.44	.78	29
30	4.73	6.26	10.99	-1.66	12.99	1.56	30
31	5.11	4.43	9.55	.33	13.61	.95	31
32	4.08	3.27	7.35	.82	13.32	.58	32
33	4.84	7.66	12.50	-2.83	13.85	1.28	33
34	4.29	3.13	7.41	1.02	13.89	.66	34
35	4.73	6.87	11.61	-2.14	16.20	1.23	35
36	4.15	4.91	9.06	-.77	15.54	.91	36
37	4.60	4.06	8.65	.54	14.35	.70	37
38	3.94	3.47	8.03	.47	16.28	1.23	38
39	2.67	2.68	5.42	-.01	7.51	.29	39
40	3.08	3.57	6.73	-.56	7.51	.45	40
41	2.81	3.51	6.86	-.70	7.80	.49	41
42	2.67	3.23	6.80	-.70	7.68	.54	42
43	3.29	3.78	7.69	-.49	8.21	.74	43
44	4.53	4.40	8.93	-.35	11.38	1.44	44
45	2.84	2.85	5.76	-.01	7.27	.37	45
46	2.74	3.51	6.38	-.77	7.43	.45	46
47	3.05	5.05	8.10	-2.14	7.76	.54	47
48	3.05	3.81	8.31	-.77	7.68	.70	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 23300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
49	4.53	3.16	7.69	.61	7.60	.70	49
50	4.49	7.80	12.29	-3.31	12.70	1.03	50
51	4.18	7.56	11.81	-3.38	13.44	1.03	51
52	5.01	9.42	14.43	-4.68	15.00	1.77	52
53	4.42	6.91	11.61	-2.48	14.02	1.00	53
54	4.08	6.50	10.58	-2.42	13.93	1.03	54
55	5.15	8.73	14.08	-3.86	15.17	1.60	55
56	4.53	8.25	12.98	-4.00	15.54	1.40	56
57	4.49	7.11	11.61	-2.69	12.78	1.44	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
2	13.41	3.01	1536.00	1517.00	15570.00	6596.00	2
3	12.97	4.42	626.00	4550.00	15050.00	19610.00	3
4	13.81	2.82	1688.00	1669.00	16780.00	6769.00	4
5	13.87	2.71	1536.00	1517.00	16090.00	5728.00	5
6	13.81	2.93	1384.00	1668.00	15910.00	5554.00	6
7	14.04	2.79	1081.00	1365.00	16430.00	5381.00	7
8	13.89	2.85	929.00	1517.00	17130.00	6422.00	8
9	14.57	3.69	1233.00	3944.00	15910.00	13190.00	9
10	14.63	3.53	1081.00	3792.00	17130.00	13370.00	10
11	14.82	4.15	1233.00	5764.00	15740.00	25510.00	11
12	13.95	3.82	322.50	5157.00	18860.00	20310.00	12
13	13.54	3.80	474.00	4095.00	18170.00	20310.00	13
14	11.97	3.58	625.50	4854.00	15220.00	16320.00	14
15	10.67	3.69	1081.00	3792.00	13480.00	11460.00	15
16	8.58	3.83	-133.00	3185.00	12620.00	12670.00	16
17	13.57	3.99	929.00	5763.00	17130.00	22740.00	17
18	13.79	3.83	322.50	3944.00	13140.00	12840.00	18
19	14.27	4.15	-587.50	3337.00	15390.00	13360.00	19
20	14.55	4.04	-132.50	3489.00	18340.00	15270.00	20
21	15.03	4.42	-436.00	6218.00	15570.00	26380.00	21
22	14.98	4.69	170.50	7129.00	15220.00	31240.00	22
23	14.14	4.02	19.00	3337.00	15570.00	12150.00	23
24	14.44	3.99	626.00	3640.00	14700.00	13370.00	24
25	14.68	4.12	474.00	5005.00	15570.00	17700.00	25
26	14.11	4.86	-436.00	8038.00	14180.00	35750.00	26
27	13.81	4.78	-132.50	8342.00	12960.00	36620.00	27
28	14.03	5.05	1081.00	4399.00	12960.00	16840.00	28
29	14.33	4.31	1081.00	4702.00	12620.00	16140.00	29
30	11.97	7.11	-436.00	6825.00	14000.00	18570.00	30
31	13.92	4.56	170.50	5612.00	14000.00	18920.00	31
32	13.68	3.61	-284.50	3337.00	19040.00	14230.00	32
33	12.97	5.45	19.00	9403.00	14870.00	42700.00	33
34	13.79	3.94	-284.50	3337.00	15570.00	14230.00	34
35	15.28	5.54	170.50	9252.00	15740.00	40090.00	35
36	14.84	4.45	1839.00	4550.00	14870.00	17360.00	36
37	14.71	4.20	-891.00	4550.00	14520.00	15970.00	37
38	15.25	4.69	-587.50	3944.00	11750.00	16660.00	38
39	5.43	3.88	-284.00	3640.00	8971.00	13540.00	39
40	6.98	5.05	-588.00	4550.00	9665.00	16660.00	40
41	7.76	4.37	-436.00	5915.00	12270.00	21700.00	41
42	7.98	4.37	-284.50	6067.00	12440.00	23260.00	42
43	7.93	4.42	19.00	6370.00	13480.00	24650.00	43
44	7.49	4.15	-891.00	5763.00	8971.00	24650.00	44
45	6.35	4.10	-436.00	4702.00	9839.00	15450.00	45
46	6.16	4.61	-587.50	5764.00	9665.00	18750.00	46
47	7.09	5.10	-436.00	5005.00	9665.00	18750.00	47
48	7.14	4.56	-587.50	6977.00	9491.00	30030.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
49	10.18	4.34	-587.50	5764.00	9492.00	18220.00	49
50	12.86	2.25	474.00	1972.00	14870.00	8679.00	50
51	13.41	1.00	626.00	1820.00	14530.00	7637.00	51
52	13.71	2.93	-12110.00	15770.00	17300.00	25690.00	52
53	12.78	1.95	474.00	2882.00	18170.00	13020.00	53
54	14.36	3.31	-133.00	4095.00	11750.00	15270.00	54
55	13.98	3.53	322.50	6067.00	17130.00	30030.00	55
56	15.12	3.91	474.00	5612.00	17480.00	28290.00	56
57	12.02	4.40	2446.00	6370.00	24420.00	28640.00	57

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
2	5338.00	2656.00	3625.00	2939.00	-5522.00	3953.00	2
3	3464.00	7420.00	1901.00	7016.00	-2915.00	10680.00	3
4	5846.00	2617.00	3664.00	2979.00	-5732.00	4499.00	4
5	5729.00	2421.00	3703.00	2861.00	-5732.00	4079.00	5
6	5378.00	2460.00	3468.00	2969.00	-5479.00	3659.00	6
7	5182.00	2421.00	3311.00	2626.00	-5690.00	3364.00	7
8	5221.00	2382.00	3351.00	3057.00	-5101.00	4962.00	8
9	4792.00	4061.00	2841.00	3723.00	-5648.00	4920.00	9
10	4831.00	4335.00	2645.00	3684.00	-5690.00	5214.00	10
11	3424.00	9256.00	2293.00	5369.00	-4723.00	12490.00	11
12	4089.00	7420.00	1901.00	4977.00	-4093.00	10340.00	12
13	3424.00	7147.00	1587.00	4820.00	-4639.00	10220.00	13
14	3073.00	5624.00	2802.00	5487.00	-3924.00	9335.00	14
15	3269.00	5194.00	2489.00	4781.00	-3630.00	8116.00	15
16	3229.00	5155.00	1861.00	4860.00	-4008.00	4541.00	16
17	4010.00	7811.00	2254.00	6035.00	-3209.00	14420.00	17
18	3737.00	3866.00	1861.00	4468.00	-5900.00	7359.00	18
19	4245.00	4061.00	2488.00	4703.00	-5774.00	7485.00	19
20	4518.00	5272.00	2410.00	4311.00	-5227.00	7275.00	20
21	4167.00	9999.00	2410.00	5016.00	-4933.00	12280.00	21
22	4245.00	11400.00	2057.00	6467.00	-4933.00	13620.00	22
23	4753.00	3710.00	3390.00	4036.00	-4134.00	8368.00	23
24	4323.00	4218.00	3272.00	4311.00	-3462.00	9630.00	24
25	4440.00	4257.00	3390.00	5526.00	-3293.00	10560.00	25
26	4401.00	12970.00	2371.00	6388.00	-4765.00	17160.00	26
27	4557.00	12650.00	2723.00	7368.00	-3966.00	16950.00	27
28	3698.00	5858.00	2096.00	5330.00	-6152.00	10220.00	28
29	3659.00	4804.00	2449.00	4742.00	-5900.00	7611.00	29
30	4518.00	6210.00	1156.00	6820.00	-6195.00	7485.00	30
31	5495.00	5389.00	3116.00	6427.00	-4386.00	7864.00	31
32	4635.00	5233.00	2136.00	4507.00	-4807.00	6938.00	32
33	5417.00	15470.00	2449.00	7172.00	-5228.00	18210.00	33
34	4401.00	4452.00	2449.00	4507.00	-5858.00	7569.00	34
35	5885.00	14140.00	2332.00	6035.00	-5564.00	18540.00	35
36	5182.00	6483.00	3704.00	5212.00	-4471.00	10050.00	36
37	4206.00	5116.00	2920.00	4977.00	-4008.00	9083.00	37
38	4909.00	6131.00	4056.00	4154.00	-5564.00	11560.00	38
39	2565.00	5663.00	1195.00	3410.00	-3797.00	3743.00	39
40	2058.00	5936.00	1156.00	4076.00	-5101.00	4458.00	40
41	3854.00	7108.00	1626.00	5017.00	-6026.00	6644.00	41
42	4010.00	7811.00	1665.00	5291.00	-6152.00	7359.00	42
43	4518.00	8787.00	1469.00	4938.00	-7288.00	8074.00	43
44	3386.00	7577.00	2096.00	6114.00	-5480.00	12150.00	44
45	2800.00	5663.00	1431.00	5212.00	-5143.00	4920.00	45
46	3112.00	6835.00	1979.00	5918.00	-5269.00	5972.00	46
47	3385.00	6405.00	2175.00	5095.00	-3797.00	5593.00	47
48	3308.00	9452.00	489.50	6702.00	-6909.00	9125.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
49	3659.00	7850.00	1744.00	5604.00	-4134.00	6686.00	49
50	4440.00	3007.00	3194.00	4232.00	-4891.00	5593.00	50
51	5299.00	3632.00	3155.00	4193.00	-5311.00	4500.00	51
52	4128.00	10040.00	1195.00	6153.00	-4681.00	12190.00	52
53	5104.00	5233.00	2606.00	4977.00	-5522.00	5887.00	53
54	4752.00	6444.00	3429.00	6349.00	-6236.00	7107.00	54
55	3698.00	12110.00	1822.00	7564.00	-6026.00	13370.00	55
56	2917.00	11480.00	1940.00	6271.00	-5774.00	11770.00	56
57	11550.00	13470.00	5702.00	8309.00	-896.00	11690.00	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-6172.00	2703.00	-210.00	9223.00	39040.00	10760.00	2
3	-3219.00	8988.00	5130.00	15150.00	42580.00	20480.00	3
4	-6832.00	3237.00	470.00	10680.00	39920.00	12820.00	4
5	-6769.00	2923.00	-112.50	9903.00	39780.00	11790.00	5
6	-6518.00	2546.00	-15.50	9223.00	42280.00	10760.00	6
7	-6487.00	2263.00	178.50	8835.00	43460.00	9874.00	7
8	-5858.00	3772.00	81.50	10100.00	44340.00	11940.00	8
9	-6487.00	4337.00	858.00	12040.00	44050.00	12820.00	9
10	-6707.00	4243.00	1344.00	11750.00	45080.00	13560.00	10
11	-3879.00	10400.00	3965.00	19220.00	49200.00	22690.00	11
12	-4885.00	10530.00	3868.00	16410.00	48610.00	18860.00	12
13	-4570.00	10090.00	4353.00	16310.00	48910.00	18270.00	13
14	-4381.00	7511.00	4353.00	14170.00	51120.00	16650.00	14
15	-5576.00	5688.00	4547.00	14170.00	49800.00	15620.00	15
16	-4193.00	4934.00	4839.00	13110.00	51710.00	15470.00	16
17	-5764.00	9648.00	5324.00	19610.00	48460.00	19890.00	17
18	-4978.00	6663.00	2315.00	10970.00	46850.00	12080.00	18
19	-5261.00	6128.00	2315.00	12520.00	46550.00	14150.00	19
20	-4204.00	6819.00	1635.00	14370.00	46260.00	15920.00	20
21	-4738.00	9805.00	1926.00	23790.00	48760.00	24900.00	21
22	-4110.00	11120.00	1344.00	26500.00	52890.00	27260.00	22
23	-3156.00	8108.00	664.00	12230.00	45670.00	14740.00	23
24	-3282.00	9051.00	1150.00	12140.00	44200.00	14150.00	24
25	-3470.00	11310.00	1053.00	12040.00	43610.00	14740.00	25
26	-4633.00	12920.00	2217.00	26990.00	51260.00	28290.00	26
27	-5607.00	12190.00	3577.00	27770.00	52590.00	28730.00	27
28	-3879.00	9019.00	1635.00	15920.00	47440.00	19750.00	28
29	-5167.00	6662.00	2315.00	13880.00	46700.00	15770.00	29
30	-5167.00	9302.00	1829.00	17090.00	46700.00	19300.00	30
31	-2496.00	9271.00	2120.00	16410.00	46990.00	19010.00	31
32	-5481.00	6600.00	4159.00	11840.00	46700.00	14590.00	32
33	-4602.00	13450.00	6101.00	31650.00	57010.00	32860.00	33
34	-4141.00	5751.00	2412.00	12040.00	48470.00	14300.00	34
35	-5827.00	13420.00	2703.00	32330.00	49350.00	35220.00	35
36	-2747.00	9459.00	2121.00	17960.00	47290.00	20190.00	36
37	-3753.00	8893.00	1441.00	15340.00	45380.00	16800.00	37
38	-4696.00	10090.00	955.00	15050.00	44930.00	16950.00	38
39	-3690.00	3865.00	5809.00	10390.00	54210.00	13850.00	39
40	-5261.00	4620.00	4547.00	11650.00	55400.00	15920.00	40
41	-5952.00	5940.00	6878.00	17090.00	54510.00	21810.00	41
42	-4350.00	5908.00	4198.00	18930.00	56130.00	22540.00	42
43	-7650.00	6945.00	8916.00	18740.00	57460.00	22990.00	43
44	-4267.00	11090.00	5810.00	21260.00	49350.00	22840.00	44
45	-3941.00	4494.00	5616.00	12330.00	54510.00	14740.00	45
46	-4947.00	6568.00	6683.00	16500.00	51850.00	20630.00	46
47	-2621.00	5751.00	6295.00	14950.00	53330.00	18860.00	47
48	-5576.00	8265.00	4974.00	23400.00	52880.00	28140.00	48

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
49	-4318.00	6443.00	7266.00	18250.00	50090.00	21510.00	49
50	-5607.00	3897.00	3965.00	11650.00	46550.00	12380.00	50
51	-7115.00	3646.00	3479.00	11750.00	45970.00	12670.00	51
52	-7524.00	9396.00	3189.00	26210.00	49640.00	30500.00	52
53	-7649.00	4557.00	2994.00	13980.00	43170.00	15470.00	53
54	-8121.00	6285.00	2994.00	14950.00	42870.00	16650.00	54
55	-8592.00	10900.00	1635.00	25240.00	46700.00	30500.00	55
56	-4110.00	9239.00	2994.00	25820.00	41980.00	30500.00	56
57	-3722.00	11000.00	761.00	21840.00	41540.00	24460.00	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	32550.00	9541.00	-98.22	1082.00	-279.20	922.90	2
3	32540.00	21060.00	-1511.00	3636.00	-1013.00	2999.00	3
4	32710.00	11350.00	52.03	1292.00	-321.20	1133.00	4
5	33200.00	10530.00	52.03	1352.00	-279.20	1133.00	5
6	35180.00	9212.00	232.30	1052.00	-111.40	880.90	6
7	36820.00	8554.00	322.50	961.50	-111.40	797.10	7
8	37320.00	10690.00	592.90	1412.00	-195.30	1175.00	8
9	37150.00	12170.00	803.20	1562.00	35.47	1279.00	9
10	38630.00	11680.00	803.20	1623.00	35.47	1238.00	10
11	39450.00	18750.00	81.50	5349.00	-1538.00	4866.00	11
12	40930.00	15300.00	472.50	3636.00	-971.30	2706.00	12
13	40770.00	14480.00	622.70	3485.00	-950.40	2601.00	13
14	43240.00	15300.00	953.20	3876.00	-887.70	3335.00	14
15	40280.00	16940.00	1584.00	2824.00	-27.50	2517.00	15
16	41920.00	13980.00	1464.00	2103.00	-6.50	1615.00	16
17	40770.00	17770.00	-309.00	6160.00	-1936.00	4678.00	17
18	40770.00	11520.00	1284.00	1502.00	-279.20	1342.00	18
19	39290.00	12010.00	1434.00	1713.00	-195.30	1678.00	19
20	37970.00	12010.00	1494.00	2133.00	-153.30	1720.00	20
21	38800.00	21390.00	-99.00	6971.00	-1937.00	5685.00	21
22	43730.00	25990.00	-970.00	7602.00	-2251.00	5999.00	22
23	39780.00	14150.00	1374.00	2013.00	-468.00	1447.00	23
24	39620.00	14640.00	1224.00	1863.00	-509.90	1615.00	24
25	39290.00	16290.00	412.60	2734.00	-845.50	2119.00	25
26	41260.00	28450.00	-99.00	8894.00	-2670.00	6377.00	26
27	42250.00	26150.00	773.00	7061.00	-1350.00	5559.00	27
28	40440.00	18100.00	1885.00	2463.00	-321.10	1930.00	28
29	39450.00	13490.00	1735.00	1953.00	-384.10	1699.00	29
30	40770.00	17440.00	1885.00	2463.00	14.47	1888.00	30
31	40110.00	14810.00	1374.00	2314.00	-300.20	1951.00	31
32	40440.00	11520.00	1885.00	1743.00	-132.30	1405.00	32
33	43890.00	35690.00	-459.00	8774.00	-2168.00	7426.00	33
34	40610.00	12670.00	1945.00	1562.00	-69.44	1594.00	34
35	39290.00	33060.00	923.00	7091.00	-2104.00	5769.00	35
36	42910.00	19250.00	1584.00	2945.00	-677.70	2748.00	36
37	41260.00	17270.00	1615.00	2013.00	-384.10	2160.00	37
38	39950.00	16610.00	1524.00	3005.00	-698.70	2559.00	38
39	45210.00	12340.00	2215.00	1773.00	-69.44	1259.00	39
40	46530.00	14640.00	2546.00	1923.00	35.47	1447.00	40
41	44060.00	19740.00	2395.00	2013.00	-153.30	1594.00	41
42	43400.00	18750.00	2095.00	1953.00	-153.30	1720.00	42
43	44880.00	21220.00	2035.00	2253.00	-258.20	1657.00	43
44	39950.00	17930.00	863.00	5048.00	-1328.00	3524.00	44
45	45210.00	13320.00	2155.00	1893.00	-6.50	1489.00	45
46	41430.00	18750.00	2185.00	2163.00	-279.20	1804.00	46
47	42250.00	17600.00	2185.00	1983.00	-363.10	1636.00	47
48	37970.00	23520.00	2305.00	2584.00	-27.47	2139.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
49	42420.00	20730.00	2155.00	2253.00	-405.00	1930.00	49
50	37970.00	9377.00	1584.00	1923.00	-384.00	1657.00	50
51	37810.00	9541.00	1645.00	2224.00	-405.00	1930.00	51
52	44550.00	30100.00	-219.00	7151.00	-1748.00	5705.00	52
53	34680.00	11680.00	1344.00	2404.00	-551.80	2118.00	53
54	35010.00	13980.00	1163.00	3245.00	-426.00	2538.00	54
55	41260.00	30760.00	322.00	6731.00	-1538.00	5412.00	55
56	34850.00	27640.00	772.50	5319.00	-1706.00	4321.00	56
57	40610.00	21220.00	1915.00	2614.00	-1013.00	2244.00	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-19.81	726.60	773.00	153.60	1166.00	256.50	2
3	-1083.00	2678.00	872.80	484.00	1034.00	684.10	3
4	60.94	834.20	734.60	161.30	1182.00	287.60	4
5	60.94	807.30	749.90	145.90	1198.00	272.10	5
6	7.09	699.70	780.70	130.60	1182.00	241.00	6
7	20.56	632.40	803.70	122.90	1190.00	217.70	7
8	60.94	861.10	803.70	169.00	1159.00	310.90	8
9	-60.16	1171.00	865.20	307.30	1205.00	311.00	9
10	-19.81	1157.00	865.20	338.00	1205.00	326.50	10
11	-1029.00	3162.00	926.60	660.60	1128.00	777.40	11
12	-1190.00	2570.00	788.30	476.30	1097.00	653.00	12
13	-746.40	2422.00	811.40	453.20	1104.00	660.80	13
14	-880.90	2664.00	895.90	338.00	1112.00	590.80	14
15	-410.00	2193.00	988.10	276.60	1042.00	489.80	15
16	208.90	1036.00	1057.00	299.60	1097.00	295.40	16
17	-1312.00	3525.00	811.40	591.50	1042.00	909.50	17
18	-87.06	1224.00	934.30	268.90	1205.00	466.40	18
19	-19.78	1292.00	895.90	322.60	1198.00	474.20	19
20	-356.20	1520.00	803.70	353.30	1151.00	474.20	20
21	-1218.00	3700.00	849.80	660.60	1135.00	785.10	21
22	-1083.00	3889.00	803.70	829.70	1135.00	862.90	22
23	-383.10	1359.00	918.90	284.30	1058.00	536.40	23
24	-167.80	1494.00	895.90	322.60	1058.00	614.10	24
25	-1056.00	2193.00	872.80	376.40	1050.00	684.10	25
26	-1110.00	4050.00	849.80	921.80	1182.00	1049.00	26
27	-1258.00	4413.00	849.80	921.80	1050.00	1119.00	27
28	34.03	1507.00	965.00	437.80	1213.00	645.20	28
29	-114.00	1278.00	972.70	338.00	1182.00	474.20	29
30	-100.50	1642.00	880.50	414.80	1190.00	482.00	30
31	7.13	1507.00	880.50	399.50	1073.00	489.80	31
32	155.10	1305.00	826.80	361.10	1112.00	435.30	32
33	-1043.00	4682.00	826.80	1099.00	1058.00	1252.00	33
34	168.60	1265.00	888.20	330.30	1198.00	474.20	34
35	-1218.00	4239.00	749.90	1006.00	1151.00	1189.00	35
36	-732.90	2570.00	865.20	430.20	1042.00	645.20	36
37	-329.30	1951.00	957.30	368.70	1104.00	583.00	37
38	-934.80	2610.00	918.90	453.30	1120.00	707.40	38
39	276.20	834.20	1172.00	368.80	1081.00	233.20	39
40	316.60	1009.00	1257.00	407.10	1260.00	287.60	40
41	208.90	1224.00	1165.00	499.30	1306.00	443.10	41
42	195.50	1265.00	1203.00	537.70	1330.00	482.00	42
43	-181.30	1911.00	1142.00	583.80	1376.00	513.10	43
44	-894.30	2731.00	1003.00	568.40	1143.00	808.50	44
45	60.94	1157.00	1195.00	391.80	1213.00	318.80	45
46	74.38	1305.00	1142.00	445.50	1229.00	396.50	46
47	262.80	1117.00	1188.00	445.60	1065.00	357.60	47
48	262.80	1709.00	1111.00	706.70	1306.00	583.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
49	276.20	1615.00	1019.00	445.60	1011.00	412.00	49
50	7.13	1050.00	857.50	207.40	1112.00	357.60	50
51	20.56	1144.00	819.10	184.40	1128.00	295.40	51
52	-665.60	3095.00	773.00	660.60	1089.00	785.10	52
53	-19.81	1211.00	773.00	261.20	1120.00	380.90	53
54	222.40	1749.00	803.70	399.50	1198.00	458.70	54
55	-840.50	2920.00	734.60	775.90	1174.00	855.10	55
56	-813.60	2624.00	734.60	745.10	1143.00	761.80	56
57	-1110.00	1870.00	550.20	806.60	987.70	730.80	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	69860SDY	69860ALT	EVENT
2	-9753.00	6810.00	2
3	5812.00	9311.00	3
4	-10590.00	7922.00	4
5	-10310.00	7922.00	5
6	-11420.00	6810.00	6
7	-11280.00	6671.00	7
8	-8224.00	8616.00	8
9	-8919.00	7366.00	9
10	-7807.00	7365.00	10
11	-9058.00	10840.00	11
12	-2943.00	8894.00	12
13	-1692.00	8477.00	13
14	14010.00	9728.00	14
15	24430.00	9311.00	15
16	34020.00	6115.00	16
17	11930.00	11530.00	17
18	-997.50	6949.00	18
19	-1137.00	7922.00	19
20	-1414.00	8477.00	20
21	-7807.00	12920.00	21
22	-10030.00	15700.00	22
23	-3638.00	7643.00	23
24	-9336.00	7505.00	24
25	-13090.00	7366.00	25
26	-5306.00	14310.00	26
27	-5167.00	13620.00	27
28	3588.00	13200.00	28
29	114.00	8338.00	29
30	1921.00	14310.00	30
31	1643.00	9311.00	31
32	-858.50	7366.00	32
33	-2665.00	13900.00	33
34	-3916.00	8199.00	34
35	-19200.00	15430.00	35
36	-11140.00	9311.00	36
37	-10860.00	8755.00	37
38	-18790.00	11670.00	38
39	43610.00	5698.00	39
40	46810.00	7227.00	40
41	42500.00	7644.00	41
42	47360.00	8339.00	42
43	45280.00	8755.00	43
44	14430.00	10150.00	44
45	47500.00	6532.00	45
46	42360.00	7783.00	46
47	44720.00	7921.00	47
48	42220.00	10700.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	69860SDY	69860ALT	EVENT
49	42500.00	9311.00	49
50	3450.00	9450.00	50
51	114.00	9450.00	51
52	-4279.00	15840.00	52
53	3450.00	9728.00	53
54	-24.50	10980.00	54
55	-8919.00	17930.00	55
56	-11420.00	13760.00	56
57	4701.00	11810.00	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.89	7.74	12.84	-2.92	14.50	1.05	2
3	4.34	6.09	10.43	-1.82	13.45	.73	3
4	4.38	5.57	9.95	-1.20	13.97	.69	4
5	4.34	4.71	9.06	-.37	14.54	.61	5
6	4.41	6.09	10.50	-1.68	12.76	.77	6
7	4.58	6.88	11.53	-2.51	12.52	.85	7
8	4.82	7.47	12.29	-2.92	12.03	.93	8
9	4.55	7.06	11.60	-2.71	12.44	.93	9
10	4.41	7.12	11.53	-2.78	12.80	.97	10
11	4.34	7.40	11.74	-3.13	13.16	1.01	11
12	4.12	9.00	13.12	-4.88	13.89	1.33	12
13	4.06	8.77	12.84	-4.71	14.25	1.29	13
14	4.68	9.40	14.08	-4.88	14.50	1.53	14
15	3.96	6.88	10.84	-2.92	14.38	1.17	15
16	5.06	7.71	12.77	-2.65	12.64	1.05	16
17	4.82	6.09	10.98	-1.27	14.62	.85	17
18	4.79	4.61	9.47	.18	15.71	.65	18
19	4.86	9.43	14.29	-4.57	13.85	1.45	19
20	5.05	9.93	14.97	-4.88	14.01	1.62	20
21	4.48	6.78	11.26	-2.44	11.99	.81	21
22	4.41	7.33	11.74	-2.92	11.75	.89	22
23	4.48	7.88	12.43	-3.40	12.19	1.01	23
24	4.51	8.40	12.91	-3.95	12.32	1.05	24
25	4.44	8.74	13.18	-4.30	12.40	1.13	25
26	4.44	9.29	13.73	-4.88	12.84	1.17	26
27	4.89	9.12	14.01	-4.37	13.85	1.78	27
28	4.68	8.77	13.67	-4.09	12.96	1.29	28
29	4.65	9.02	13.67	-4.57	13.85	1.37	29
30	5.13	9.64	14.77	-4.50	13.24	1.49	30
31	4.55	7.54	12.08	-3.33	13.29	1.70	31
32	4.41	7.67	12.08	-3.61	13.61	1.21	32
33	4.44	9.02	13.46	-4.57	13.53	1.86	33
34	4.24	6.81	11.05	-2.58	13.08	.85	34
35	4.13	7.81	11.95	-3.68	13.16	1.17	35
36	5.44	9.74	15.18	-4.57	13.85	2.67	36
37	4.72	9.02	13.73	-4.30	15.10	1.90	37
38	5.35	10.24	15.59	-4.88	15.06	2.26	38
39	4.00	7.60	11.74	-3.68	14.42	1.86	39
40	3.69	8.47	12.15	-4.78	13.49	1.25	40
41	3.88	8.76	12.63	-4.88	14.05	1.74	41
42	5.34	7.50	12.84	-2.92	12.92	1.09	42
43	5.99	9.88	16.28	-4.09	13.29	1.78	43
44	6.68	9.32	16.07	-4.23	14.54	1.57	44
45	5.60	10.48	16.28	-4.88	13.85	1.70	45
46	5.79	9.19	15.11	-3.40	12.60	1.49	46
47	5.34	9.02	14.35	-3.75	15.10	2.30	47
48	4.75	7.74	12.50	-2.99	15.26	1.74	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
49	4.89	6.57	11.46	-1.82	13.89	1.01	49
50	3.96	5.99	10.02	-2.10	10.70	.73	50
51	4.55	6.50	11.12	-2.03	9.93	.85	51
52	4.58	5.64	10.29	-1.06	8.44	.65	52
53	4.10	5.09	9.26	-1.06	6.90	.57	53
54	3.96	5.64	10.57	-1.68	8.88	2.38	54
55	3.72	6.71	10.91	-3.20	7.27	1.09	55
56	5.17	6.44	11.67	-2.03	9.12	1.01	56
57	5.23	5.33	10.57	-.58	8.32	1.49	57
58	4.17	5.02	10.22	-.86	9.49	2.34	58
59	4.99	6.40	11.39	-1.48	14.98	1.62	59
60	3.38	4.16	7.68	-.86	6.70	.44	60
61	3.24	4.71	8.99	-1.48	9.49	2.75	61
62	6.30	4.82	11.12	-.58	8.23	1.41	62
63	4.86	4.47	9.33	-.65	7.59	1.01	63
64	5.58	5.82	11.46	-.24	7.47	.97	64
65	5.65	5.47	11.12	-.92	7.23	1.05	65
66	5.13	4.40	9.54	-.03	11.22	.77	66
67	4.75	6.78	11.53	-2.03	12.15	.81	67
68	5.06	7.23	12.29	-2.16	13.49	1.25	68
69	7.27	9.91	17.18	-2.65	14.74	1.94	69
70	4.65	7.02	11.81	-2.37	13.29	1.13	70
71	4.86	7.30	12.15	-2.65	14.98	2.26	71
72	4.93	7.91	12.84	-3.06	14.17	1.21	72
73	5.58	9.53	15.18	-4.09	14.50	1.53	73
74	4.24	8.40	12.63	-4.16	14.29	1.82	74
76	4.31	8.47	12.84	-4.16	14.17	1.29	76
77	5.27	9.43	14.77	-4.16	15.35	1.74	77
78	4.06	7.26	11.33	-3.20	14.46	1.33	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	39030SDY	39030ALT	49710SDY	49710ALT	EVENT
2	13.45	2.56		8399.00	2
3	12.82	2.39		6423.00	3
4	13.01	2.58		7246.00	4
5	13.34	2.63		6423.00	5
6	12.45	2.30		8729.00	6
7	12.61	2.14		7905.00	7
8	12.40	2.11		12190.00	8
9	12.45	1.45		9058.00	9
10	12.84	.96		5929.00	10
11	13.20	.85		7246.00	11
12	13.55	2.18		23710.00	12
13	14.32	2.39		23060.00	13
14	14.28	2.30		23050.00	14
15	15.19	3.92		26510.00	15
16	13.22	2.09		7741.00	16
17	13.76	2.44		10210.00	17
18	14.20	2.65		4776.00	18
19	13.55	1.99		17790.00	19
20	13.41	2.28		21740.00	20
21	12.14	2.07		8564.00	21
22	12.21	1.97		8893.00	22
23	12.56	1.90		9387.00	23
24	12.70	1.90		8728.00	24
25	12.82	1.97		5599.00	25
26	12.77	2.11		5599.00	26
27	12.47	3.17		33100.00	27
28	12.23	2.37		29480.00	28
29	12.61	2.89		29470.00	29
30	12.42	3.78		31450.00	30
31	13.01	2.96		12020.00	31
32	13.38	2.02		8564.00	32
33	12.51	4.81		11860.00	33
34	12.49	1.27		7905.00	34
35	12.94	2.14		8235.00	35
36	12.02	2.72		32280.00	36
37	12.47	1.48		15480.00	37
38	12.75	2.60		24540.00	38
39	13.52	2.96		11360.00	39
40	14.06	2.74		17620.00	40
41	12.77	5.82		18120.00	41
42	11.58	2.56		14660.00	42
43	11.27	3.99		20910.00	43
44	14.23	3.90		28820.00	44
45	12.35	5.11		23540.00	45
46	12.38	3.26		21240.00	46
47	14.23	3.28		16470.00	47
48	13.20	3.38		17460.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	39030SDY	39030ALT	49710SDY	49710ALT	EVENT
49	12.84	3.22		14000.00	49
50	11.06	1.15		9881.00	50
51	10.59	1.34		12680.00	51
52	9.75	1.67		15480.00	52
53	7.02	2.56		19270.00	53
54	8.60	2.82		23060.00	54
55	7.56	4.13		20420.00	55
56	7.75	3.76		24540.00	56
57	7.87	3.26		25200.00	57
58	9.16	3.15		26340.00	58
59	13.17	3.40		22560.00	59
60	6.58	2.63		16300.00	60
61	7.92	3.31		22070.00	61
62	8.76	2.47		29800.00	62
63	6.44	2.44		27340.00	63
64	9.35	3.15		42320.00	64
65	10.05	3.66		36060.00	65
66	8.50	2.02		19100.00	66
67	12.35	2.11		11530.00	67
68	13.08	2.23		9222.00	68
69	13.78	4.53		37550.00	69
70	12.68	1.27		8728.00	70
71	13.50	1.24		9223.00	71
72	13.48	1.27		11530.00	72
73	13.85	3.14		28160.00	73
74	13.64	2.09		26680.00	74
76	13.69	2.23		25200.00	76
77	14.09	2.39		26670.00	77
78	12.80	3.40		25680.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
2	6640.00	2827.00	3478.00	3882.00	-5931.00	5674.00	2
3	4403.00	2473.00	2811.00	3137.00	-4965.00	4623.00	3
4	3853.00	2866.00	2458.00	3412.00	-4460.00	5884.00	4
5	3460.00	2788.00	2654.00	3137.00	-4628.00	4624.00	5
6	3224.00	3102.00	2341.00	3607.00	-4796.00	6473.00	6
7	2479.00	3769.00	2733.00	3843.00	-5007.00	5926.00	7
8	3303.00	3966.00	2694.00	5058.00	-5427.00	6766.00	8
9	3460.00	3023.00	2733.00	4784.00	-5132.00	5548.00	9
10	4520.00	3141.00	3086.00	4431.00	-5343.00	4581.00	10
11	4717.00	3965.00	2929.00	4588.00	-5217.00	4791.00	11
12	2793.00	9660.00	1517.00	6235.00	-5847.00	10800.00	12
13	2989.00	9620.00	1439.00	6549.00	-6057.00	10590.00	13
14	3735.00	10210.00	1360.00	6706.00	-6226.00	11010.00	14
15	2910.00	10480.00	1360.00	6784.00	-6394.00	10930.00	15
16	4481.00	3023.00	2537.00	4588.00	-5511.00	5842.00	16
17	4834.00	2670.00	2968.00	3137.00	-4964.00	5128.00	17
18	5070.00	2984.00	3164.00	2863.00	-4292.00	4035.00	18
19	4638.00	7185.00	2890.00	5254.00	-4923.00	11140.00	19
20	4677.00	9188.00	3086.00	5372.00	-5511.00	12230.00	20
21	3656.00	3220.00	2458.00	4431.00	-4628.00	5884.00	21
22	3774.00	3102.00	2498.00	4706.00	-5006.00	5506.00	22
23	4049.00	3220.00	3047.00	4784.00	-5048.00	5380.00	23
24	4246.00	3337.00	3243.00	4588.00	-5049.00	4960.00	24
25	4560.00	3337.00	2890.00	4705.00	-5133.00	4707.00	25
26	4599.00	3455.00	2890.00	4784.00	-5049.00	4539.00	26
27	2047.00	12920.00	1713.00	5961.00	-6058.00	16220.00	27
28	1968.00	11430.00	1517.00	6157.00	-5553.00	16060.00	28
29	1890.00	12530.00	1439.00	5922.00	-5805.00	15210.00	29
30	2007.00	12020.00	1988.00	6078.00	-6520.00	15760.00	30
31	4442.00	6125.00	1596.00	5922.00	-4922.00	6683.00	31
32	3931.00	5065.00	2654.00	4941.00	-5511.00	5590.00	32
33	2871.00	5890.00	1792.00	6353.00	-5301.00	7061.00	33
34	3539.00	4044.00	2654.00	4392.00	-5049.00	4707.00	34
35	3813.00	4162.00	2772.00	4745.00	-5679.00	3993.00	35
36	2360.00	12290.00	2184.00	7687.00	-6898.00	15210.00	36
37	3460.00	7971.00	2498.00	5019.00	-5763.00	10890.00	37
38	2596.00	10640.00	2458.00	6157.00	-5763.00	14750.00	38
39	4049.00	6125.00	2772.00	6157.00	-7234.00	5464.00	39
40	2165.00	6597.00	1713.00	5961.00	-4712.00	7145.00	40
41	2204.00	7579.00	1046.00	7490.00	-5133.00	7649.00	41
42	2321.00	5026.00	3125.00	5960.00	-5595.00	8784.00	42
43	2675.00	8914.00	2262.00	6510.00	-4292.00	13700.00	43
44	3578.00	10440.00	3478.00	6549.00	-4335.00	17360.00	44
45	4049.00	9659.00	2929.00	6784.00	-5637.00	15210.00	45
46	3107.00	7854.00	2655.00	6117.00	-5217.00	13450.00	46
47	3853.00	4908.00	3517.00	5019.00	-5133.00	10000.00	47
48	3932.00	5850.00	3596.00	5725.00	-3368.00	10510.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
49	4913.00	4633.00	3478.00	4588.00	-5931.00	9961.00	49
50	2125.00	3494.00	1557.00	5019.00	-3956.00	6304.00	50
51	2636.00	4712.00	1674.00	5608.00	-4670.00	7355.00	51
52	2950.00	6361.00	1321.00	6510.00	-6099.00	6851.00	52
53	908.00	7539.00	301.30	4392.00	-4334.00	6010.00	53
54	1575.00	8442.00	968.00	5608.00	-6393.00	8154.00	54
55	1379.00	7696.00	-326.00	5647.00	-4166.00	8112.00	55
56	2675.00	9463.00	1831.00	6079.00	-3704.00	8574.00	56
57	1300.00	10050.00	2027.00	5804.00	-6814.00	9246.00	57
58	2007.00	10050.00	-248.00	7686.00	-5469.00	10590.00	58
59	1418.00	9149.00	1361.00	6471.00	-3535.00	6977.00	59
60	-113.50	7461.00	929.00	7686.00	-4334.00	6262.00	60
61	1811.00	7971.00	1360.00	7725.00	-6099.00	7439.00	61
62	2282.00	9699.00	1164.00	9804.00	-7738.00	11430.00	62
63	2400.00	8482.00	1204.00	8824.00	-4881.00	9583.00	63
64	2832.00	12320.00	2340.00	8941.00	-4839.00	15420.00	64
65	1497.00	11190.00	1164.00	9961.00	-7234.00	11940.00	65
66	1968.00	6872.00	1635.00	6981.00	-4544.00	7986.00	66
67	2439.00	3652.00	2811.00	4784.00	-5763.00	6599.00	67
68	3499.00	3141.00	2968.00	4784.00	-5553.00	6388.00	68
69	5109.00	15120.00	2576.00	6981.00	-7402.00	17900.00	69
70	3500.00	3455.00	3086.00	5215.00	-5721.00	5548.00	70
71	4363.00	3377.00	4066.00	5255.00	-5679.00	5086.00	71
72	4991.00	5183.00	3243.00	4980.00	-5385.00	7817.00	72
73	4324.00	11430.00	2615.00	6000.00	-5679.00	14750.00	73
74	1772.00	10130.00	1478.00	6588.00	-6100.00	12310.00	74
76	1811.00	10410.00	1478.00	6510.00	-6134.00	11890.00	76
77	1968.00	11350.00	1047.00	7334.00	-5847.00	13320.00	77
78	4481.00	7342.00	2890.00	6431.00	-47.50	12480.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-4549.00	3870.00	1428.00	13030.00	39500.00	14740.00	2
3	-5322.00	3398.00	1914.00	8652.00	42740.00	10020.00	3
4	-5291.00	4876.00	2302.00	9040.00	43040.00	10020.00	4
5	-6203.00	4467.00	1720.00	9235.00	42740.00	11200.00	5
6	-4347.00	5191.00	3080.00	9429.00	43040.00	10910.00	6
7	-4819.00	4656.00	2400.00	11280.00	41710.00	12530.00	7
8	-5197.00	5096.00	3469.00	12350.00	43040.00	14150.00	8
9	-5920.00	4373.00	2789.00	11860.00	42450.00	12970.00	9
10	-4675.00	3681.00	3275.00	12150.00	42890.00	12820.00	10
11	-7399.00	3775.00	2594.00	12440.00	42300.00	13410.00	11
12	-7524.00	9438.00	-808.00	21870.00	38470.00	25210.00	12
13	-7933.00	9910.00	-1197.00	23430.00	38020.00	26240.00	13
14	-8594.00	8997.00	3858.00	25180.00	43620.00	32720.00	14
15	-8311.00	8965.00	-127.50	22550.00	39500.00	25060.00	15
16	-5542.00	5254.00	2983.00	11660.00	38470.00	13120.00	16
17	-5291.00	4121.00	2594.00	9915.00	38910.00	10910.00	17
18	-5668.00	3618.00	2400.00	8749.00	38470.00	9877.00	18
19	-6864.00	9406.00	4830.00	23430.00	39930.00	26670.00	19
20	-6455.00	9878.00	5219.00	27900.00	41120.00	33460.00	20
21	-6316.00	4656.00	2400.00	10110.00	41560.00	11200.00	21
22	-5228.00	4436.00	2789.00	10890.00	41560.00	11790.00	22
23	-5700.00	4152.00	2789.00	11660.00	41710.00	12530.00	23
24	-5983.00	3932.00	2983.00	12050.00	41860.00	12680.00	24
25	-6455.00	3964.00	2886.00	11760.00	42000.00	12820.00	25
26	-6360.00	4247.00	844.50	12250.00	41710.00	14590.00	26
27	-7163.00	12790.00	4150.00	29740.00	42150.00	36850.00	27
28	-6880.00	13070.00	3178.00	27800.00	42740.00	33020.00	28
29	-7305.00	12360.00	3955.00	26250.00	41120.00	32870.00	29
30	-6990.00	12870.00	3275.00	30230.00	47160.00	34490.00	30
31	-7870.00	5757.00	1914.00	14480.00	40530.00	16660.00	31
32	-7430.00	4373.00	2303.00	13710.00	41410.00	16070.00	32
33	-6203.00	7299.00	358.00	21480.00	39350.00	25210.00	33
34	-6958.00	3586.00	2691.00	11570.00	42890.00	13120.00	34
35	-6549.00	3555.00	3663.00	12930.00	43770.00	14590.00	35
36	-7776.00	11950.00	3178.00	27410.00	40230.00	32570.00	36
37	-7336.00	9123.00	650.00	25660.00	39940.00	31100.00	37
38	-7682.00	11860.00	2594.00	27410.00	39790.00	33900.00	38
39	-7336.00	5285.00	-1295.00	17300.00	39350.00	20200.00	39
40	-6109.00	8022.00	552.50	20700.00	42450.00	22110.00	40
41	-6077.00	6481.00	2497.00	27900.00	39490.00	32720.00	41
42	-6567.00	7739.00	2789.00	15160.00	42000.00	17540.00	42
43	-6505.00	11140.00	2691.00	19930.00	40090.00	25940.00	43
44	-5763.00	12650.00	2497.00	24590.00	43320.00	28880.00	44
45	-5386.00	12520.00	455.50	23720.00	43180.00	30210.00	45
46	-5166.00	10540.00	3761.00	18470.00	41260.00	24470.00	46
47	-6410.00	8148.00	1233.00	18660.00	40680.00	22700.00	47
48	-6788.00	10730.00	1525.00	16620.00	42150.00	19460.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
49	-7084.00	9249.00	-127.50	13610.00	41560.00	17100.00	49
50	-4724.00	5883.00	3760.00	10500.00	42010.00	11940.00	50
51	-4567.00	7236.00	4538.00	12830.00	42300.00	15480.00	51
52	-4347.00	8211.00	5802.00	14480.00	43770.00	15480.00	52
53	-4001.00	5789.00	4053.00	12150.00	46570.00	15330.00	53
54	-7461.00	6481.00	4927.00	17690.00	46720.00	20480.00	54
55	-4536.00	7456.00	8329.00	17590.00	48780.00	21670.00	55
56	-9097.00	7550.00	4052.00	19150.00	45390.00	24170.00	56
57	-3844.00	7959.00	1039.00	18270.00	51880.00	24760.00	57
58	-8028.00	8368.00	2789.00	19440.00	45830.00	24910.00	58
59	-4442.00	7550.00	4149.00	18470.00	42450.00	23590.00	59
60	-2649.00	5568.00	-30.50	14870.00	42890.00	18430.00	60
61	-4423.00	8588.00	3177.00	16720.00	46130.00	20480.00	61
62	-5826.00	9878.00	8135.00	23230.00	44510.00	29190.00	62
63	-4756.00	9563.00	1331.00	20120.00	44510.00	25940.00	63
64	-5606.00	11860.00	1428.00	27610.00	46870.00	31840.00	64
65	-9349.00	10260.00	2789.00	26830.00	49220.00	32430.00	65
66	-6612.00	7644.00	4052.00	20120.00	47010.00	24910.00	66
67	-5511.00	4971.00	3372.00	11080.00	42300.00	12530.00	67
68	-5543.00	4813.00	2011.00	12050.00	40830.00	13710.00	68
69	-5464.00	14490.00	3469.00	32950.00	42740.00	40090.00	69
70	-7021.00	4341.00	3955.00	13410.00	42450.00	15040.00	70
71	-7116.00	3995.00	2886.00	13120.00	41420.00	14000.00	71
72	-7178.00	6701.00	3858.00	17210.00	43040.00	22410.00	72
73	-4424.00	12240.00	3469.00	29650.00	47900.00	34340.00	73
74	-7933.00	10600.00	1428.00	23130.00	38610.00	26530.00	74
76	-8374.00	10220.00	941.50	22650.00	40090.00	28010.00	76
77	-8217.00	10260.00	2886.00	27310.00	41850.00	33600.00	77
78	-4977.00	13560.00	2011.00	16140.00	38910.00	20050.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	32580.00	13350.00	-626.20	1686.00	-399.30	1405.00	2
3	35390.00	9230.00	186.80	1235.00	124.90	1132.00	3
4	35220.00	11370.00	427.80	1174.00	166.90	1090.00	4
5	35720.00	11540.00	849.30	1174.00	418.50	922.70	5
6	34730.00	10550.00	397.70	1265.00	62.00	1153.00	6
7	33900.00	11370.00	247.10	1536.00	-273.50	1279.00	7
8	34890.00	11700.00	217.00	1987.00	-441.30	1573.00	8
9	34560.00	10380.00	126.60	2018.00	-399.30	1699.00	9
10	33740.00	9889.00	96.56	2168.00	-504.20	1845.00	10
11	33080.00	10880.00	247.10	2439.00	-462.30	2055.00	11
12	31600.00	21260.00	-957.40	4728.00	-1406.00	3880.00	12
13	30610.00	20600.00	-717.00	4848.00	-1427.00	4027.00	13
14	36370.00	31640.00	-385.50	6023.00	-1281.00	4928.00	14
15	30940.00	20270.00	-717.00	5029.00	-1574.00	4257.00	15
16	31270.00	12030.00	217.00	1626.00	-357.40	1447.00	16
17	31600.00	10710.00	728.90	1114.00	-63.84	1028.00	17
18	32250.00	10050.00	939.70	843.10	82.97	671.00	18
19	30940.00	21260.00	-325.00	3734.00	-902.60	3125.00	19
20	30280.00	27190.00	-656.50	5029.00	-1826.00	4173.00	20
21	33900.00	10380.00	367.50	1656.00	-315.40	1405.00	21
22	33410.00	9889.00	277.20	1927.00	-420.30	1552.00	22
23	33240.00	10710.00	186.90	2198.00	-483.20	1782.00	23
24	32750.00	10550.00	156.80	2289.00	-546.10	1845.00	24
25	32420.00	11540.00	156.80	2349.00	-525.20	1908.00	25
26	31760.00	14170.00	126.70	2499.00	-504.20	2097.00	26
27	34400.00	30000.00	-2042.00	8221.00	-2832.00	6019.00	27
28	34050.00	25380.00	-1591.00	6565.00	-2140.00	4782.00	28
29	34070.00	27360.00	-1831.00	6685.00	-2203.00	5390.00	29
30	37520.00	30810.00	-1831.00	8010.00	-2455.00	6186.00	30
31	31760.00	14830.00	518.10	3553.00	-336.40	2516.00	31
32	32910.00	12360.00	337.40	2590.00	-504.20	2223.00	32
33	32910.00	22250.00	789.10	3041.00	-357.40	2370.00	33
34	34230.00	9724.00	488.00	2319.00	-336.40	2013.00	34
35	35060.00	11870.00	217.00	2710.00	-483.20	2244.00	35
36	42630.00	33950.00	-1380.00	7619.00	-1972.00	5872.00	36
37	30770.00	25380.00	-264.80	3553.00	-1092.00	3020.00	37
38	34720.00	33620.00	-596.50	6655.00	-1050.00	5368.00	38
39	32910.00	18290.00	608.30	3704.00	-399.30	2873.00	39
40	35390.00	16810.00	468.70	3342.00	-546.10	2516.00	40
41	30770.00	30980.00	849.30	3704.00	-630.00	2684.00	41
42	34370.00	15820.00	6.19	2319.00	-147.70	1908.00	42
43	32750.00	24390.00	66.44	3945.00	-1175.00	3272.00	43
44	34230.00	29170.00	-1048.00	4758.00	-2077.00	3712.00	44
45	34230.00	31150.00	-535.90	4547.00	-1448.00	3670.00	45
46	31430.00	26040.00	96.53	3553.00	-1196.00	2873.00	46
47	31100.00	20440.00	-264.80	3132.00	-1049.00	2936.00	47
48	35060.00	19780.00	-505.70	2590.00	-1259.00	2349.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
49	36370.00	17140.00	-325.00	2590.00	-1343.00	2139.00	49
50	33900.00	9065.00	307.30	1777.00	-315.40	1573.00	50
51	33080.00	11210.00	247.10	2138.00	-420.30	1929.00	51
52	32750.00	11210.00	-114.30	2620.00	-630.00	2013.00	52
53	38520.00	15330.00	939.70	1987.00	-399.30	1615.00	53
54	36700.00	20110.00	939.70	2529.00	82.97	1803.00	54
55	33080.00	19120.00	1331.00	2138.00	62.00	1447.00	55
56	35720.00	23400.00	668.70	2439.00	-399.30	1866.00	56
57	42140.00	22250.00	728.90	2379.00	-462.30	1552.00	57
58	35880.00	25220.00	759.00	2710.00	-.91	1845.00	58
59	34230.00	20600.00	578.30	2289.00	-776.80	1866.00	59
60	36210.00	18950.00	217.00	2590.00	-231.60	1992.00	60
61	39340.00	21100.00	578.30	2349.00	-294.50	1929.00	61
62	34890.00	27850.00	427.80	2921.00	-336.40	2223.00	62
63	33240.00	21590.00	969.80	2921.00	-357.40	2412.00	63
64	40490.00	31140.00	879.10	4396.00	-546.10	3271.00	64
65	38020.00	27680.00	-144.40	3493.00	-1217.00	2433.00	65
66	37200.00	23570.00	1060.00	2409.00	-21.88	1615.00	66
67	34070.00	11210.00	307.30	1656.00	-378.30	1426.00	67
68	33740.00	12530.00	277.20	1807.00	-546.20	1510.00	68
69	35880.00	36090.00	-656.50	6595.00	-2350.00	4613.00	69
70	33080.00	12200.00	96.53	2228.00	-692.90	1866.00	70
71	32750.00	11210.00	126.60	2319.00	-713.90	1971.00	71
72	32750.00	21430.00	277.20	2469.00	-525.20	2034.00	72
73	36860.00	33780.00	-1561.00	7137.00	-2539.00	5725.00	73
74	32420.00	23070.00	-867.40	4638.00	-1238.00	3796.00	74
76	31930.00	24230.00	-988.00	5480.00	-1469.00	4362.00	76
77	40490.00	33780.00	-1199.00	6956.00	-2224.00	5578.00	77
78	31600.00	22910.00	126.60	2740.00	-1028.00	2328.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-55.41	956.30	720.90	191.60	1072.00	348.60	2
3	119.70	835.10	782.20	191.60	1034.00	295.60	3
4	92.75	754.30	766.90	222.30	981.20	363.80	4
5	173.60	646.50	805.20	168.60	1012.00	288.00	5
6	79.28	848.50	866.50	229.90	1012.00	409.30	6
7	52.34	902.40	812.90	222.30	1019.00	371.40	7
8	-55.41	1064.00	843.50	298.90	1049.00	416.80	8
9	-68.88	1051.00	843.50	191.60	1027.00	348.60	9
10	-41.94	1104.00	820.50	153.30	1027.00	288.00	10
11	38.88	1212.00	774.50	183.90	1027.00	318.30	11
12	-715.40	2451.00	812.80	590.10	1095.00	689.70	12
13	-648.00	2330.00	835.80	567.10	1080.00	689.70	13
14	-472.90	2559.00	766.90	590.10	1103.00	712.40	14
15	-782.70	2438.00	805.20	674.40	1110.00	704.80	15
16	38.88	996.70	674.90	191.60	966.10	363.80	16
17	52.34	767.70	621.30	183.90	1087.00	424.40	17
18	-1.53	525.30	659.60	160.90	897.90	250.10	18
19	-540.30	2249.00	598.30	406.20	928.20	720.00	19
20	-850.10	2613.00	605.90	521.10	958.50	780.60	20
21	65.81	969.80	835.80	214.60	996.40	363.80	21
22	-1.53	1010.00	828.20	206.90	1012.00	348.60	22
23	-28.47	1118.00	820.50	183.90	1012.00	333.50	23
24	-68.88	1131.00	828.20	160.90	1004.00	310.70	24
25	-109.30	1172.00	820.50	153.30	1004.00	295.60	25
26	-68.88	1293.00	812.80	176.30	1034.00	295.60	26
27	-1349.00	3219.00	759.20	781.70	1065.00	1038.00	27
28	-1335.00	3314.00	751.50	712.70	1034.00	1023.00	28
29	-1093.00	3044.00	789.80	735.70	1057.00	954.90	29
30	-904.20	3664.00	728.60	781.70	1080.00	992.80	30
31	25.41	1441.00	805.20	352.50	1012.00	409.30	31
32	92.75	1293.00	835.80	260.60	1034.00	371.30	32
33	187.00	1495.00	782.20	344.90	1004.00	462.30	33
34	38.88	1158.00	805.20	199.30	1019.00	310.80	34
35	-41.94	1320.00	766.90	206.90	1057.00	257.70	35
36	-554.20	3745.00	782.20	804.70	1156.00	977.70	36
37	-486.40	2195.00	766.80	390.80	1027.00	712.40	37
38	-1.53	3030.00	705.60	605.40	1072.00	939.80	38
39	-15.00	1778.00	697.90	367.80	1133.00	348.60	39
40	-68.88	1940.00	889.50	482.80	996.40	454.70	40
41	-109.30	1576.00	843.50	559.40	1012.00	454.70	41
42	-82.34	1226.00	820.50	383.20	1034.00	538.10	42
43	-634.60	2074.00	720.90	605.40	973.70	841.20	43
44	-1160.00	2573.00	667.30	812.40	920.60	1091.00	44
45	-1524.00	2936.00	789.80	659.10	1042.00	939.80	45
46	-55.41	1845.00	766.80	574.80	1034.00	810.90	46
47	-661.50	2155.00	667.30	459.80	1004.00	629.00	47
48	-1362.00	2586.00	720.90	482.80	875.20	682.10	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGGW 24300 TGCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
49	-1227.00	2047.00	759.20	352.50	1118.00	606.30	49
50	79.28	1091.00	858.80	268.20	950.90	409.30	50
51	-1.53	1306.00	851.20	291.20	1004.00	477.50	51
52	214.00	1495.00	904.80	375.50	1012.00	424.40	52
53	-1.53	1010.00	1081.00	490.50	1049.00	386.50	53
54	402.50	1280.00	1066.00	582.40	1163.00	530.50	54
55	187.00	1145.00	1012.00	513.50	1012.00	500.20	55
56	-122.80	1374.00	950.80	605.40	920.60	545.70	56
57	-1.53	1522.00	1035.00	689.70	1193.00	606.30	57
58	-15.00	1751.00	889.50	728.10	1042.00	666.90	58
59	-513.30	1845.00	920.20	620.80	1072.00	424.40	59
60	-68.88	1239.00	1119.00	482.80	1034.00	386.50	60
61	267.80	1468.00	1181.00	528.80	1193.00	469.90	61
62	-95.81	2020.00	996.80	682.10	1247.00	750.30	62
63	227.40	1913.00	1173.00	628.40	1072.00	621.40	63
64	-55.41	2653.00	935.50	1081.00	1148.00	954.90	64
65	-701.90	2195.00	1142.00	843.00	1444.00	765.50	65
66	133.20	1522.00	943.10	459.80	958.50	492.60	66
67	-41.94	942.80	805.20	306.60	1042.00	409.30	67
68	-122.80	969.80	743.90	245.30	1012.00	394.10	68
69	-1995.00	3489.00	506.30	988.60	1186.00	1144.00	69
70	-136.20	1118.00	820.50	199.30	1034.00	341.00	70
71	-149.70	1185.00	720.90	176.30	1027.00	318.30	71
72	52.34	1360.00	759.20	275.90	1034.00	522.90	72
73	-1402.00	3866.00	613.60	774.00	1087.00	939.80	73
74	-890.50	2357.00	782.20	651.40	1080.00	795.80	74
76	-701.90	2438.00	759.20	659.10	1087.00	773.00	76
77	-1066.00	3125.00	697.90	735.70	1080.00	856.40	77
78	-863.50	2168.00	628.90	605.40	700.80	765.40	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	69860SDY	69860ALT	EVENT
2	-6528.00	9441.00	2
3	1247.00	6664.00	3
4	-2502.00	6525.00	4
5	-4944.00	5970.00	5
6	4024.00	6942.00	6
7	5551.00	8191.00	7
8	8050.00	9857.00	8
9	4245.00	9441.00	9
10	4024.00	9163.00	10
11	2080.00	9718.00	11
12	-2363.00	12500.00	12
13	-3612.00	12360.00	13
14	-5973.00	14990.00	14
15	-4723.00	11800.00	15
16	4163.00	8469.00	16
17	-6528.00	6664.00	17
18	-12080.00	6109.00	18
19	-1530.00	12220.00	19
20	-3057.00	12910.00	20
21	8605.00	8191.00	21
22	10550.00	8747.00	22
23	7356.00	9441.00	23
24	5829.00	9580.00	24
25	6106.00	10140.00	25
26	3191.00	11110.00	26
27	3191.00	13330.00	27
28	4301.00	13330.00	28
29	-3474.00	13880.00	29
30	1247.00	14720.00	30
31	3052.00	14300.00	31
32	-2.50	11250.00	32
33	-696.50	15270.00	33
34	4718.00	8747.00	34
35	3191.00	10270.00	35
36	3469.00	16940.00	36
37	-9860.00	16100.00	37
38	-10280.00	19850.00	38
39	-4723.00	16240.00	39
40	1386.00	12910.00	40
41	4857.00	16660.00	41
42	9300.00	11110.00	42
43	1663.00	16520.00	43
44	-7916.00	14720.00	44
45	-5279.00	16240.00	45
46	4661.00	14020.00	46
47	-11390.00	17910.00	47
48	-12080.00	11110.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TOGW 24300 TOCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	69860SDY	69860ALT	EVENT
49	-9860.00	9718.00	49
50	20680.00	7497.00	50
51	24150.00	8747.00	51
52	34570.00	8608.00	52
53	47760.00	7359.00	53
54	52890.00	9996.00	54
55	41370.00	10970.00	55
56	27490.00	10140.00	56
57	38180.00	12220.00	57
58	40680.00	9441.00	58
59	5412.00	11660.00	59
60	50530.00	7914.00	60
61	49700.00	8747.00	61
62	45530.00	11250.00	62
63	52060.00	9719.00	63
64	46090.00	14020.00	64
65	43870.00	12080.00	65
66	45260.00	10410.00	66
67	8744.00	8608.00	67
68	-1391.00	10410.00	68
69	-7639.00	18050.00	69
70	1525.00	10270.00	70
71	-3474.00	9719.00	71
72	-4307.00	10270.00	72
73	-6528.00	16660.00	73
74	-3057.00	11800.00	74
76	-6806.00	12220.00	76
77	-836.00	16520.00	77
78	-4446.00	11800.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	3.32	2.29	5.75	1.02	11.39	.20	1
2	3.52	2.50	6.84	.82	13.95	.44	2
3	4.69	2.91	7.59	1.71	14.31	.32	3
4	4.21	2.84	7.11	1.37	14.83	1.00	4
5	6.05	4.48	10.53	.75	15.75	.56	5
6	4.51	5.40	10.60	-1.03	12.39	.80	6
7	4.45	6.57	11.49	-2.12	14.19	1.16	7
8	4.62	7.29	12.04	-2.74	14.43	2.68	8
9	4.65	4.52	9.23	.14	15.19	.56	9
10	5.06	6.57	11.63	-1.92	14.71	1.44	10
11	4.41	5.99	10.67	-1.57	13.99	.72	11
12	4.41	5.78	10.33	-1.37	13.23	.76	12
13	4.62	6.60	11.22	-1.98	13.43	1.68	13
14	4.51	6.57	11.08	-2.12	12.75	.84	14
15	4.86	6.98	11.83	-2.26	12.67	.92	15
16	4.65	6.64	11.29	-2.19	13.39	1.32	16
17	4.48	6.40	10.88	-1.92	13.71	.92	17
18	4.48	7.35	11.83	-2.87	15.19	2.00	18
19	4.48	6.60	11.08	-2.12	14.87	1.04	19
20	4.48	6.81	11.29	-2.33	14.91	1.00	20
21	5.16	9.00	14.16	-3.83	15.99	2.16	21
22	4.75	7.08	11.83	-2.33	14.47	1.04	22
23	4.48	5.92	10.47	-1.44	11.35	.64	23
24	4.86	5.95	10.81	-1.57	9.51	.64	24
25	5.23	7.70	12.93	-2.53	14.71	1.20	25
26	4.93	8.35	13.27	-3.42	14.23	1.20	26
27	4.89	7.90	12.79	-3.08	13.83	1.20	27
28	4.38	5.75	10.12	-1.37	13.03	.64	28
29	4.41	2.84	7.25	1.30	12.91	.52	29
30	4.04	2.33	6.36	1.71	13.07	.44	30
31	4.00	2.43	6.43	1.50	12.91	.52	31
32	4.21	2.91	7.18	1.30	12.87	.56	32
33	4.17	3.15	7.39	1.02	13.15	.60	33
34	4.45	4.24	8.69	.14	13.67	.80	34
35	6.02	4.93	10.95	-.07	15.71	2.68	35
36	4.24	4.99	9.30	-.82	14.87	.96	36
37	4.24	4.86	9.10	-.62	14.79	.96	37
38	4.72	4.45	9.17	-.27	13.59	1.04	38
39	3.73	2.50	6.23	1.16	11.63	.52	39
40	4.55	3.32	7.87	1.16	11.95	2.04	40
41	4.48	3.04	7.87	1.37	11.55	1.32	41
42	4.86	7.32	12.18	-2.74	11.35	1.04	42
43	4.48	7.08	11.83	-2.74	13.91	2.00	43
44	4.58	3.69	8.28	.55	13.07	2.04	44
45	3.66	2.36	6.64	1.30	14.23	.32	45
46	3.28	2.53	6.64	.75	13.15	1.00	46
47	3.56	5.88	9.44	-2.60	13.23	1.72	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
48	3.08	5.68	8.89	-2.67	13.19	.80	48
49	3.25	6.60	9.85	-3.49	14.51	1.00	49
50	3.56	7.46	11.29	-4.04	14.59	1.72	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
1	11.58	2.56	959.00	1668.00	10270.00	6388.00	1
2	13.32	2.58	1111.00	2123.00	17350.00	11740.00	2
3	14.03	2.56	807.50	1820.00	11820.00	7597.00	3
4	12.85	3.05	958.50	2275.00	13030.00	9841.00	4
5	14.39	3.13	959.00	2881.00	14760.00	11220.00	5
6	14.24	3.57	1262.00	4094.00	15100.00	17780.00	6
7	14.81	2.92	1262.00	1971.00	15970.00	8978.00	7
8	15.02	3.60	2020.00	5762.00	17350.00	25210.00	8
9	14.31	3.10	807.00	2426.00	14760.00	10530.00	9
10	13.51	2.82	1565.00	1971.00	18900.00	9841.00	10
11	13.66	2.97	1111.00	1517.00	17350.00	8287.00	11
12	13.24	3.02	807.00	2123.00	18210.00	12600.00	12
13	13.12	2.69	807.00	2123.00	17350.00	10010.00	13
14	13.48	2.01	959.00	1668.00	15100.00	6734.00	14
15	13.43	2.48	504.00	2426.00	14580.00	10360.00	15
16	13.38	1.59	807.00	1516.00	18210.00	9496.00	16
17	13.82	.99	807.00	1516.00	14580.00	6216.00	17
18	14.55	1.51	352.00	2881.00	17000.00	13120.00	18
19	15.65	2.61	655.50	2578.00	18210.00	11910.00	19
20	15.20	2.22	49.00	2578.00	17870.00	12600.00	20
21	14.73	2.64	655.50	5611.00	14760.00	25380.00	21
22	14.78	1.75	807.50	1820.00	15620.00	8978.00	22
23	12.12	2.32	958.50	2578.00	12690.00	10190.00	23
24	11.05	2.35	1566.00	3791.00	13380.00	13980.00	24
25	14.68	2.74	2475.00	3791.00	18380.00	14160.00	25
26	14.45	2.19	655.50	5914.00	15100.00	26760.00	26
27	14.24	1.98	504.00	3639.00	15100.00	18130.00	27
28	13.40	2.76	1262.00	1971.00	14760.00	9150.00	28
29	13.09	3.34	352.50	3791.00	12170.00	14500.00	29
30	13.09	3.34	655.50	3185.00	12170.00	13470.00	30
31	13.30	3.65	958.50	3488.00	14070.00	11910.00	31
32	13.51	3.70	1111.00	4246.00	13200.00	11740.00	32
33	13.74	3.78	49.00	3791.00	15450.00	13980.00	33
34	14.11	3.99	200.50	3943.00	16480.00	16060.00	34
35	14.42	3.99	504.00	5155.00	23560.00	24170.00	35
36	15.78	4.20	200.50	2730.00	14410.00	10880.00	36
37	14.65	4.23	200.50	3943.00	13380.00	13640.00	37
38	14.34	4.38	655.50	5914.00	15280.00	16920.00	38
39	11.60	3.37	2021.00	4246.00	14410.00	13980.00	39
40	10.04	3.52	958.50	3488.00	14410.00	13980.00	40
41	14.68	3.42	2020.00	4549.00	20630.00	15710.00	41
42	14.65	3.34	1717.00	5762.00	14070.00	25720.00	42
43	14.34	3.55	503.50	5459.00	17170.00	25030.00	43
44	11.74	2.37	49.00	1668.00	17520.00	12600.00	44
45	12.62	2.45	655.50	1972.00	10610.00	8460.00	45
46	11.37	2.40	352.00	1668.00	13720.00	7424.00	46
47	12.91	2.01	-103.00	2426.00	14410.00	9495.00	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	39030SDY	39030ALT	49150SDY	49150ALT	49710SDY	49710ALT	EVENT
48	14.18	2.61	49.00	1971.00	12690.00	6043.00	48
49	15.70	2.66	504.00	2123.00	14240.00	8978.00	49
50	15.62	2.74	655.50	2275.00	18380.00	13470.00	50

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49720SDY	49720ALT	49730SDY	49730ALT	49740SDY	49740ALT	EVENT
1	2283.00	2327.00	2204.00	2030.00	-2335.00	2688.00	1
2	3058.00	3336.00	2205.00	2577.00	-3763.00	3443.00	2
3	4144.00	3026.00	2673.00	2186.00	-3343.00	3024.00	3
4	3058.00	3336.00	2322.00	3318.00	-3763.00	4787.00	4
5	4571.00	4228.00	2595.00	3591.00	-3217.00	6173.00	5
6	4416.00	6167.00	4274.00	5504.00	-3176.00	8483.00	6
7	5036.00	2832.00	3376.00	3435.00	-5527.00	5123.00	7
8	5269.00	6711.00	3883.00	8081.00	-1706.00	9869.00	8
9	5153.00	4654.00	3571.00	3318.00	-5149.00	4745.00	9
10	4881.00	2987.00	3376.00	3513.00	-5526.00	6383.00	10
11	4881.00	2677.00	3766.00	3279.00	-5191.00	4871.00	11
12	3795.00	2909.00	3805.00	4489.00	-4267.00	6551.00	12
13	3524.00	3025.00	2205.00	4529.00	-3763.00	6887.00	13
14	4261.00	2443.00	2985.00	4138.00	-4771.00	5963.00	14
15	3911.00	3724.00	2243.00	5036.00	-5064.00	7265.00	15
16	4455.00	2715.00	3025.00	4412.00	-5023.00	5543.00	16
17	4920.00	3103.00	3181.00	4411.00	-5233.00	4493.00	17
18	5269.00	5425.00	3219.00	4841.00	-6030.00	7811.00	18
19	4998.00	5275.00	2868.00	5036.00	-6324.00	5585.00	19
20	4610.00	4965.00	2556.00	5036.00	-5190.00	6971.00	20
21	4144.00	8922.00	3219.00	5856.00	-4813.00	13480.00	21
22	5735.00	3917.00	3259.00	4646.00	-5695.00	5123.00	22
23	3485.00	3917.00	1931.00	4021.00	-4057.00	6509.00	23
24	3252.00	5237.00	1658.00	5543.00	-4141.00	7013.00	24
25	3756.00	4500.00	2400.00	5660.00	-5190.00	8315.00	25
26	3834.00	9776.00	2360.00	5856.00	-5107.00	13940.00	26
27	4416.00	6322.00	2556.00	5738.00	-5527.00	10250.00	27
28	4183.00	2754.00	3063.00	3826.00	-4435.00	6635.00	28
29	3679.00	4111.00	2907.00	5700.00	-4938.00	8315.00	29
30	3369.00	3957.00	2400.00	4645.00	-4393.00	7433.00	30
31	3679.00	3801.00	2907.00	5153.00	-5904.00	6509.00	31
32	3291.00	4422.00	1814.00	5700.00	-6534.00	6803.00	32
33	3562.00	4694.00	3610.00	6793.00	-5905.00	5165.00	33
34	4338.00	5625.00	1892.00	5544.00	-5359.00	6131.00	34
35	4261.00	6943.00	1419.00	6208.00	-6072.00	7769.00	35
36	5075.00	4810.00	2556.00	5660.00	-6198.00	4452.00	36
37	3911.00	5353.00	2434.00	5660.00	-5821.00	4913.00	37
38	5308.00	5198.00	2321.00	6910.00	-6534.00	6383.00	38
39	4106.00	4383.00	2946.00	4802.00	-4309.00	7097.00	39
40	3524.00	5430.00	2517.00	4997.00	-3847.00	5291.00	40
41	3097.00	4926.00	3961.00	5817.00	-5568.00	7601.00	41
42	6200.00	8262.00	3024.00	7066.00	-1537.00	10370.00	42
43	5153.00	7137.00	4781.00	8042.00	-2000.00	9827.00	43
44	4416.00	2986.00	3102.00	2225.00	-3007.00	3276.00	44
45	2593.00	2870.00	1541.00	2849.00	-4099.00	3359.00	45
46	2825.00	2948.00	2127.00	2342.00	-3007.00	2940.00	46
47	3136.00	3801.00	1931.00	4958.00	-3847.00	3359.00	47

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
48	3407.00	3608.00	2009.00	5114.00	-3889.00	3569.00	48
49	3330.00	3995.00	2244.00	5114.00	-3469.00	4325.00	49
50	3640.00	4849.00	2400.00	6207.00	-4099.00	5291.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	-3161.00	2482.00	123.00	5222.00	38650.00	6444.00	1
2	-5517.00	2953.00	-2198.00	6963.00	38360.00	7323.00	2
3	-3852.00	3236.00	-1521.00	7447.00	37920.00	8641.00	3
4	-4543.00	4430.00	-650.50	7157.00	39820.00	8495.00	4
5	-5737.00	6126.00	-554.00	10150.00	38360.00	12010.00	5
6	-4041.00	8263.00	2734.00	14800.00	42900.00	20060.00	6
7	-5580.00	3393.00	1381.00	12090.00	39970.00	14500.00	7
8	-2627.00	11060.00	993.50	17120.00	40110.00	20500.00	8
9	-6114.00	3927.00	2638.00	12180.00	40110.00	14350.00	9
10	-5454.00	5090.00	1091.00	11990.00	40990.00	14350.00	10
11	-5862.00	3676.00	897.00	11220.00	41290.00	12890.00	11
12	-4637.00	6095.00	1768.00	10930.00	42600.00	13330.00	12
13	-4166.00	6503.00	1864.00	12190.00	42310.00	14500.00	13
14	-5046.00	4681.00	2541.00	11310.00	43190.00	13030.00	14
15	-4417.00	6189.00	2444.00	12380.00	43480.00	13910.00	15
16	-5611.00	4493.00	3315.00	11510.00	44210.00	12600.00	16
17	-4837.00	3708.00	2831.00	12190.00	43340.00	13180.00	17
18	-7779.00	6472.00	606.50	15960.00	40550.00	18310.00	18
19	-8093.00	4650.00	2251.00	13930.00	42460.00	15820.00	19
20	-7056.00	5749.00	3025.00	15470.00	42020.00	17720.00	20
21	-4177.00	11220.00	3605.00	26300.00	45530.00	31190.00	21
22	-7747.00	4179.00	1381.00	14020.00	41290.00	16110.00	22
23	-3349.00	5247.00	4379.00	10060.00	44950.00	11570.00	23
24	-5171.00	6441.00	4379.00	14310.00	45680.00	17870.00	24
25	-4983.00	7445.00	3411.00	15670.00	42160.00	19040.00	25
26	-5926.00	11370.00	3895.00	23890.00	44500.00	30170.00	26
27	-7150.00	9362.00	1187.00	18860.00	42750.00	22550.00	27
28	-4417.00	6001.00	2058.00	10640.00	42020.00	12740.00	28
29	-4103.00	7446.00	4959.00	12570.00	44510.00	15230.00	29
30	-3883.00	6095.00	2251.00	9864.00	42750.00	11720.00	30
31	-5485.00	4367.00	1864.00	10440.00	42310.00	12740.00	31
32	-5894.00	4838.00	1671.00	11020.00	41720.00	13910.00	32
33	-4711.00	4398.00	1381.00	11890.00	40410.00	14060.00	33
34	-7465.00	4901.00	1768.00	14600.00	40260.00	16550.00	34
35	-7559.00	6817.00	1671.00	17210.00	39970.00	19480.00	35
36	-7591.00	3708.00	2638.00	14890.00	43340.00	16990.00	36
37	-4553.00	4870.00	2251.00	14510.00	42750.00	16990.00	37
38	-4082.00	6472.00	1864.00	16050.00	42460.00	19920.00	38
39	-2564.00	5843.00	3895.00	12280.00	43040.00	14650.00	39
40	-3475.00	6063.00	5733.00	12960.00	44800.00	17870.00	40
41	-5485.00	7006.00	5926.00	13930.00	42600.00	16260.00	41
42	-3978.00	11720.00	993.50	17310.00	41870.00	22550.00	42
43	-2533.00	12030.00	220.00	16340.00	39230.00	18450.00	43
44	-3883.00	2388.00	-166.50	6093.00	35870.00	8055.00	44
45	-4197.00	2891.00	-1328.00	7060.00	39380.00	6884.00	45
46	-4135.00	2513.00	-1037.00	5609.00	39230.00	5859.00	46
47	-5297.00	2922.00	3411.00	10440.00	43920.00	12600.00	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
48	-5297.00	2545.00	4088.00	13440.00	44650.00	15960.00	48
49	-4920.00	3236.00	3218.00	14890.00	44070.00	18010.00	49
50	-4574.00	3896.00	4185.00	18370.00	44650.00	22700.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	34550.00	7360.00	10.97	871.00	-81.25	566.30	1
2	33240.00	7360.00	-49.13	1051.00	128.50	650.20	2
3	34710.00	7196.00	101.10	901.10	-102.30	671.20	3
4	36190.00	8668.00	-319.40	1201.00	-39.31	650.30	4
5	33570.00	12270.00	-19.09	2102.00	-731.50	1846.00	5
6	36510.00	19790.00	-409.50	2673.00	-731.50	2307.00	6
7	35700.00	13740.00	-109.20	1352.00	-458.80	1070.00	7
8	35040.00	23550.00	-709.90	3094.00	-1319.00	2727.00	8
9	37990.00	13740.00	-79.13	1382.00	-626.60	1280.00	9
10	34880.00	13900.00	101.10	1442.00	-353.90	1259.00	10
11	35370.00	12100.00	131.10	1231.00	-395.90	1091.00	11
12	34350.00	12760.00	611.70	1292.00	-270.00	1175.00	12
13	37660.00	13410.00	341.30	1442.00	-353.90	1300.00	13
14	34840.00	10630.00	191.20	1592.00	-542.70	1363.00	14
15	35860.00	12270.00	191.20	1772.00	-647.60	1594.00	15
16	34190.00	9977.00	101.10	1862.00	-605.70	1552.00	16
17	34880.00	10300.00	161.20	2102.00	-689.50	1804.00	17
18	31930.00	15210.00	221.20	2403.00	-647.60	2098.00	18
19	34710.00	12760.00	371.40	2853.00	-668.60	2412.00	19
20	34060.00	13080.00	341.30	2823.00	-668.60	2328.00	20
21	35370.00	28790.00	-590.50	5437.00	-1718.00	4426.00	21
22	33240.00	13250.00	221.20	2283.00	-689.50	1972.00	22
23	37170.00	10630.00	341.30	1442.00	-228.10	1259.00	23
24	34680.00	15050.00	491.50	2133.00	-542.70	1615.00	24
25	33730.00	16360.00	131.10	1952.00	-437.80	1846.00	25
26	35860.00	25680.00	-950.20	4836.00	-1592.00	3797.00	26
27	33570.00	18480.00	71.03	2913.00	-920.30	2454.00	27
28	34020.00	12430.00	761.80	1201.00	-249.10	1154.00	28
29	38970.00	16360.00	791.90	1292.00	-102.30	1259.00	29
30	37330.00	12760.00	581.60	1262.00	-291.00	1238.00	30
31	35040.00	12430.00	341.30	1502.00	-437.80	1342.00	31
32	34060.00	12100.00	221.20	1982.00	-542.70	1741.00	32
33	33410.00	12430.00	251.30	2012.00	-563.70	1720.00	33
34	32750.00	12430.00	221.20	2463.00	-647.60	2098.00	34
35	31120.00	14720.00	161.20	2523.00	-689.60	2098.00	35
36	35700.00	15050.00	431.50	3094.00	-689.60	2475.00	36
37	35040.00	14390.00	311.30	2913.00	-668.60	2370.00	37
38	34060.00	16030.00	-79.13	2703.00	-794.40	2077.00	38
39	39620.00	14720.00	791.90	1892.00	-249.10	1489.00	39
40	34350.00	17010.00	882.00	2102.00	-479.80	1552.00	40
41	37000.00	15050.00	821.90	2223.00	-479.80	1762.00	41
42	34840.00	24040.00	-1070.00	3695.00	-1361.00	2937.00	42
43	34060.00	21590.00	101.10	3424.00	-1151.00	2601.00	43
44	33570.00	8014.00	882.00	901.10	128.50	608.30	44
45	35210.00	7360.00	281.30	780.90	-102.20	503.40	45
46	34220.00	7033.00	611.70	750.90	-60.28	461.50	46
47	36350.00	11450.00	-79.16	2523.00	-458.80	2035.00	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
48	37170.00	14230.00	71.03	2913.00	-437.80	2349.00	48
49	36350.00	16680.00	281.30	3184.00	-479.80	2475.00	49
50	35040.00	21590.00	281.30	3484.00	-605.70	2643.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
1	178.30	363.70	899.80	175.80	900.80	166.00	1
2	-37.28	444.50	876.90	229.40	946.00	211.30	2
3	-10.34	417.60	808.00	175.80	923.40	203.70	3
4	-37.28	714.00	861.60	229.40	961.20	301.80	4
5	-643.50	1617.00	762.20	252.30	908.30	384.80	5
6	-939.80	2128.00	800.40	443.50	931.00	528.20	6
7	-10.34	848.70	739.30	229.40	1044.00	324.50	7
8	-1021.00	2586.00	708.70	581.10	689.50	664.00	8
9	-522.30	1388.00	731.60	252.30	1037.00	316.90	9
10	43.54	983.40	739.20	214.10	1059.00	399.90	10
11	-118.10	794.80	762.20	160.60	1037.00	316.90	11
12	70.50	929.50	800.40	244.70	1022.00	407.50	12
13	70.50	1010.00	777.40	252.30	1006.00	437.70	13
14	-77.69	942.90	808.00	175.80	1006.00	377.30	14
15	-23.81	1105.00	853.90	252.30	1052.00	452.80	15
16	-91.19	983.40	823.30	160.60	1044.00	354.70	16
17	-131.60	1105.00	792.80	160.60	1044.00	294.30	17
18	-158.50	1805.00	746.90	313.50	1089.00	505.60	18
19	30.09	1455.00	769.80	290.60	1097.00	362.20	19
20	16.63	1334.00	800.40	244.70	1044.00	460.30	20
21	-872.50	3112.00	723.90	596.40	1022.00	860.20	21
22	-37.28	1172.00	739.20	198.80	1067.00	332.00	22
23	57.03	889.10	892.20	244.70	976.20	407.50	23
24	-145.00	1226.00	961.00	328.80	983.80	460.30	24
25	-118.10	1334.00	823.30	313.50	1014.00	520.70	25
26	-966.80	2694.00	739.20	627.00	1029.00	913.00	26
27	-454.90	1967.00	746.90	359.40	1082.00	664.00	27
28	83.97	889.10	777.50	237.00	998.90	415.00	28
29	-77.69	1078.00	838.60	328.80	1014.00	520.70	29
30	-23.78	943.00	899.80	282.90	998.90	460.30	30
31	-23.78	969.90	869.20	252.30	1082.00	407.50	31
32	-198.90	1253.00	853.90	313.50	1112.00	422.60	32
33	-118.10	1145.00	838.60	313.50	1067.00	332.00	33
34	-239.30	1374.00	785.10	367.00	1052.00	392.40	34
35	-50.75	1590.00	762.20	435.80	1082.00	482.90	35
36	-91.16	1361.00	792.80	298.20	1029.00	294.30	36
37	-131.60	1374.00	808.00	313.50	1074.00	324.50	37
38	-414.40	1765.00	846.30	321.10	1112.00	407.40	38
39	16.59	1253.00	823.30	359.30	961.20	437.70	39
40	70.50	1091.00	899.80	298.20	1014.00	354.70	40
41	-266.30	1643.00	762.20	374.70	1014.00	475.40	41
42	-1061.00	2519.00	647.50	611.70	787.60	671.60	42
43	-1317.00	2371.00	708.70	581.10	825.30	633.80	43
44	70.47	417.60	853.90	206.40	900.80	211.30	44
45	151.30	390.70	907.40	214.10	953.60	218.80	45
46	57.00	404.10	876.80	214.10	885.70	181.10	46
47	3.13	1132.00	869.20	237.00	968.70	218.80	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49540SDY	49840ALT	EVENT
48	-23.81	1293.00	831.00	214.10	938.50	249.00	48
49	-91.16	1414.00	800.40	260.00	915.90	286.80	49
50	-118.10	1522.00	785.10	275.30	938.50	339.60	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	69860SDY	69860ALT	EVENT
1	15860.00	3043.00	1
2	-1847.00	4980.00	2
3	-6965.00	4565.00	3
4	-878.50	5395.00	4
5	-9731.00	6501.00	5
6	9772.00	9406.00	6
7	-6826.00	8575.00	7
8	17380.00	12030.00	8
9	-11670.00	5471.00	9
10	-2953.00	8299.00	10
11	-2815.00	6501.00	11
12	4101.00	7054.00	12
13	6591.00	7884.00	13
14	5207.00	7884.00	14
15	5761.00	8991.00	15
16	4516.00	8022.00	16
17	-325.50	8991.00	17
18	-6965.00	10930.00	18
19	-7794.00	10650.00	19
20	10460.00	10100.00	20
21	-6964.00	14520.00	21
22	-4890.00	10240.00	22
23	19450.00	7193.00	23
24	29970.00	8299.00	24
25	18070.00	10510.00	25
26	-4060.00	13000.00	26
27	-1847.00	13000.00	27
28	3686.00	7192.00	28
29	6033.00	8161.00	29
30	4239.00	7192.00	30
31	6176.00	7193.00	31
32	5622.00	8022.00	32
33	3543.00	8438.00	33
34	1883.00	9544.00	34
35	228.00	9820.00	35
36	-5028.00	10370.00	36
37	-5443.00	9959.00	37
38	2718.00	10650.00	38
39	15440.00	7884.00	39
40	27480.00	7193.00	40
41	4314.00	9820.00	41
42	-4336.00	11900.00	42
43	9495.00	10240.00	43
44	643.00	4426.00	44
45	-3645.00	4288.00	45
46	3410.00	4703.00	46
47	11850.00	7884.00	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TOGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	69860SDY	69860ALT	EVENT
48	4931.00	9267.00	48
49	-3645.00	10100.00	49
50	-7518.00	12310.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.66	6.13	10.78	-1.88	15.28	.81	2
3	4.38	6.60	10.99	-2.49	13.42	1.86	3
4	4.52	6.88	11.40	-2.36	12.74	.85	4
5	4.11	6.47	10.65	-2.36	13.10	.81	5
6	4.52	6.81	11.33	-2.43	13.34	.97	6
7	4.21	6.77	10.99	-2.56	14.56	1.05	7
8	4.45	7.02	11.47	-2.56	15.12	1.05	8
9	4.76	9.03	13.79	-4.27	15.12	1.37	9
10	5.65	9.31	14.96	-4.00	14.96	1.70	10
11	5.27	8.59	13.86	-3.73	14.48	1.38	11
12	5.62	9.27	14.89	-3.86	14.23	1.62	12
13	4.49	7.25	11.74	-2.97	12.05	.89	13
14	4.35	7.32	11.74	-2.97	12.74	.93	14
15	4.28	7.60	11.88	-3.31	13.14	.93	15
16	4.32	7.56	11.88	-3.31	14.35	1.09	16
17	4.04	7.36	11.40	-3.31	14.07	.97	17
18	5.44	9.92	15.37	-4.48	14.31	1.70	18
19	5.03	9.44	14.48	-4.48	14.84	1.50	19
20	5.68	10.16	15.85	-4.48	14.23	1.46	20
21	4.28	6.77	11.13	-2.49	12.17	.77	21
22	3.97	2.50	6.47	1.34	12.53	.40	22
23	3.73	2.46	6.27	1.27	13.75	1.38	23
24	4.15	3.15	7.29	.93	13.22	.53	24
25	4.21	3.76	7.98	.45	13.38	.61	25
26	4.08	4.24	8.32	-.17	13.87	.77	26
27	4.52	6.74	11.26	-2.29	15.61	1.13	27
28	4.35	6.30	10.65	-1.95	15.44	2.34	28
29	6.37	4.76	11.13	-.24	15.49	2.30	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	39030SDY	39030ALT	49710SDY	49710ALT	EVENT
2	13.55	3.20	15550.00	6196.00	2
3	12.52	2.40	14690.00	7056.00	3
4	13.12	1.86	15890.00	6884.00	4
5	13.21	1.20	14000.00	4647.00	5
6	13.64	1.23	14860.00	6540.00	6
7	15.38	2.29	15200.00	5163.00	7
8	15.76	2.43	15890.00	5507.00	8
9	15.18	2.38	15200.00	16180.00	9
10	14.61	3.18	17780.00	27360.00	10
11	15.93	3.63	16920.00	27190.00	11
12	15.15	3.43	16410.00	29080.00	12
13	13.30	2.43	15380.00	8777.00	13
14	13.90	1.49	13650.00	5679.00	14
15	14.21	1.00	15720.00	7745.00	15
16	15.35	.94	16060.00	7745.00	16
17	15.13	1.46	15030.00	6023.00	17
18	13.95	2.92	12620.00	25300.00	18
19	14.30	3.15	15890.00	23750.00	19
20	14.10	3.63	13650.00	27020.00	20
21	12.95	2.09	14000.00	8433.00	21
22	13.18	4.38	12790.00	9637.00	22
23	13.35	4.32	12280.00	8433.00	23
24	14.04	4.55	13650.00	10150.00	24
25	14.44	4.72	14690.00	10150.00	25
26	15.07	4.83	15890.00	9638.00	26
27	17.21	4.98	16410.00	20820.00	27
28	15.30	5.41	11760.00	32010.00	28
29	15.47	5.12	22780.00	23400.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
2	5606.00	2871.00	3246.00	2495.00	-5737.00	3777.00	2
3	6149.00	3724.00	2700.00	4210.00	-3135.00	5540.00	3
4	4830.00	2793.00	2973.00	4483.00	-4604.00	5078.00	4
5	4558.00	3065.00	2817.00	4327.00	-4982.00	3778.00	5
6	4985.00	3957.00	2739.00	4951.00	-5695.00	4323.00	6
7	5412.00	3840.00	2310.00	5380.00	-5275.00	3819.00	7
8	5296.00	4267.00	2622.00	5614.00	-5065.00	4113.00	8
9	4287.00	8069.00	2427.00	5653.00	-5275.00	10370.00	9
10	4947.00	9738.00	2115.00	6978.00	-6661.00	13260.00	10
11	3511.00	11330.00	2115.00	6199.00	-5359.00	12800.00	11
12	3395.00	11060.00	1569.00	6978.00	-6450.00	13890.00	12
13	4597.00	2948.00	2544.00	4210.00	-4310.00	5708.00	13
14	4714.00	3064.00	3129.00	4093.00	-4730.00	5036.00	14
15	5140.00	3569.00	3129.00	4093.00	-5149.00	4952.00	15
16	5296.00	3646.00	3129.00	4171.00	-5569.00	4281.00	16
17	5063.00	3491.00	2895.00	4171.00	-5149.00	3777.00	17
18	4210.00	9001.00	2427.00	6042.00	-5318.00	12170.00	18
19	4287.00	9854.00	3090.00	5146.00	-4604.00	12210.00	19
20	4481.00	9660.00	2583.00	5886.00	-6115.00	13220.00	20
21	4364.00	3181.00	2700.00	3898.00	-4352.00	4910.00	21
22	3860.00	3530.00	2271.00	4639.00	-5653.00	5959.00	22
23	3899.00	3026.00	2349.00	4327.00	-5065.00	5288.00	23
24	4132.00	3724.00	2388.00	4678.00	-5233.00	4449.00	24
25	4636.00	4073.00	2427.00	4639.00	-5611.00	4490.00	25
26	5024.00	3996.00	2739.00	4873.00	-5233.00	4197.00	26
27	4015.00	8884.00	1959.00	5419.00	-5695.00	9443.00	27
28	1920.00	11600.00	789.50	7291.00	-6576.00	11580.00	28
29	5645.00	5702.00	2193.00	5575.00	-5611.00	7344.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-6394.00	2730.00	790.50	9475.00	38810.00	10960.00	2
3	-4073.00	3922.00	3470.00	10050.00	42170.00	11110.00	3
4	-5453.00	3859.00	3470.00	11580.00	43050.00	12860.00	4
5	-6300.00	3075.00	3662.00	10620.00	42900.00	11550.00	5
6	-7461.00	3420.00	2992.00	13400.00	42610.00	14760.00	6
7	-6802.00	3075.00	2801.00	14360.00	42610.00	15350.00	7
8	-7274.00	2981.00	3375.00	15700.00	42760.00	18420.00	8
9	-8528.00	8879.00	408.00	20960.00	39250.00	26310.00	9
10	-8496.00	10290.00	3757.00	29090.00	45240.00	33760.00	10
11	-8151.00	10130.00	3279.00	26320.00	44800.00	32740.00	11
12	-7900.00	11950.00	4714.00	30630.00	40860.00	33180.00	12
13	-4512.00	4236.00	4045.00	11390.00	46990.00	12420.00	13
14	-5673.00	3890.00	3853.00	11960.00	46850.00	12570.00	14
15	-7116.00	3828.00	3088.00	12150.00	45530.00	13300.00	15
16	-7304.00	3326.00	2035.00	12250.00	43920.00	13450.00	16
17	-4645.00	2981.00	2609.00	11680.00	45090.00	12860.00	17
18	-6645.00	9256.00	3183.00	25840.00	49330.00	28790.00	18
19	-4833.00	9695.00	3087.00	23260.00	47290.00	27920.00	19
20	-5799.00	10230.00	2130.00	23830.00	51520.00	26300.00	20
21	-4794.00	3577.00	3853.00	10050.00	45390.00	10820.00	21
22	-5234.00	4267.00	3279.00	9858.00	45090.00	12280.00	22
23	-5704.00	3797.00	1939.00	9283.00	44510.00	11110.00	23
24	-6143.00	3734.00	2513.00	11390.00	43930.00	13150.00	24
25	-4614.00	3702.00	2705.00	11390.00	43630.00	13740.00	25
26	-4551.00	3765.00	3087.00	12540.00	45090.00	14620.00	26
27	-6865.00	7593.00	3757.00	21630.00	44800.00	25140.00	27
28	-7963.00	11080.00	-1220.00	22780.00	39540.00	24850.00	28
29	-6583.00	6306.00	3088.00	15600.00	45090.00	18710.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	33770.00	9802.00	-313.70	1171.00	-447.10	1006.00	2
3	36710.00	8822.00	-343.70	1562.00	-510.00	1363.00	3
4	35080.00	9802.00	-373.80	1892.00	-593.80	1572.00	4
5	34750.00	8495.00	-343.70	2042.00	-614.80	1761.00	5
6	34420.00	11110.00	-193.50	2433.00	-384.20	2201.00	6
7	35570.00	12250.00	-13.34	3094.00	-635.80	2411.00	7
8	35240.00	15850.00	196.90	3244.00	-510.00	2411.00	8
9	33280.00	21400.00	-794.20	3154.00	-1202.00	2767.00	9
10	37360.00	34300.00	-1516.00	6398.00	-2439.00	5850.00	10
11	37520.00	28910.00	-1786.00	6308.00	873.40	4843.00	11
12	43240.00	32020.00	-1095.00	6518.00	-2439.00	5304.00	12
13	39650.00	9149.00	467.20	1772.00	-468.00	1447.00	13
14	38020.00	9475.00	407.20	2012.00	-551.90	1698.00	14
15	38020.00	10130.00	587.40	2072.00	-593.80	1782.00	15
16	37040.00	10780.00	767.60	2313.00	-593.80	1950.00	16
17	37690.00	9802.00	827.70	2373.00	-551.90	2034.00	17
18	42100.00	28910.00	-584.50	6008.00	-1558.00	5137.00	18
19	40300.00	23200.00	-464.50	6128.00	-1999.00	5074.00	19
20	42260.00	22540.00	256.50	4986.00	-1957.00	4570.00	20
21	37850.00	8659.00	827.70	1592.00	-468.10	1405.00	21
22	39320.00	10780.00	977.80	1562.00	-384.20	1447.00	22
23	38180.00	9965.00	1068.00	1352.00	-363.20	1300.00	23
24	36870.00	11600.00	917.80	1802.00	-405.20	1509.00	24
25	37360.00	11110.00	887.70	2133.00	-216.50	1908.00	25
26	38510.00	12250.00	1218.00	2283.00	-384.20	1950.00	26
27	36220.00	21730.00	707.10	4475.00	1460.00	4256.00	27
28	34750.00	19600.00	-254.00	4956.00	-1517.00	3585.00	28
29	36870.00	15520.00	1248.00	2373.00	1209.00	3585.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-68.47	753.40	719.10	153.00	1034.00	248.50	2
3	-14.66	888.00	1010.00	290.70	950.70	316.30	3
4	-41.59	995.60	795.60	168.30	980.80	316.30	4
5	-108.80	1090.00	810.90	137.70	1003.00	233.50	5
6	-68.50	1184.00	772.60	175.90	1049.00	278.70	6
7	-41.56	1399.00	726.70	175.90	1011.00	256.10	7
8	-81.94	1413.00	726.70	191.20	1011.00	271.10	8
9	-821.90	1991.00	657.90	382.40	1131.00	677.90	9
10	-1064.00	3283.00	742.00	665.40	1139.00	866.20	10
11	-768.10	2583.00	765.00	657.80	1049.00	836.00	11
12	-485.70	3619.00	711.40	696.00	1116.00	933.90	12
13	25.69	982.10	879.70	206.50	988.30	338.90	13
14	-55.03	1090.00	895.00	145.30	995.90	316.30	14
15	-108.80	1090.00	856.80	153.00	1026.00	301.30	15
16	-68.50	1184.00	810.90	168.30	1034.00	278.70	16
17	-95.41	1157.00	826.20	153.00	1011.00	241.00	17
18	-848.80	2556.00	833.80	634.80	1049.00	790.80	18
19	-781.50	3081.00	765.00	611.90	1018.00	790.80	19
20	-404.80	2973.00	818.50	696.00	1064.00	821.00	20
21	-68.47	888.00	841.50	214.20	943.20	308.80	21
22	-135.80	982.10	918.00	214.20	1041.00	376.60	22
23	-28.09	901.40	879.70	206.50	1018.00	338.90	23
24	-108.80	1036.00	872.10	244.80	1034.00	278.70	24
25	-81.94	1171.00	856.80	244.80	995.90	271.10	25
26	-14.66	1211.00	826.20	229.50	1018.00	263.60	26
27	-727.70	2032.00	803.20	543.00	1003.00	625.20	27
28	-1024.00	2220.00	879.70	803.10	1109.00	775.80	28
29	52.59	1520.00	826.20	351.80	1056.00	466.90	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	A9860SDY	69860ALT	EVENT
2	-9647.00	7190.00	2
3	10960.00	7605.00	3
4	7085.00	8712.00	4
5	5010.00	8020.00	5
6	4457.00	9679.00	6
7	-3425.00	10920.00	7
8	-7020.00	10920.00	8
9	-9094.00	12720.00	9
10	-6605.00	16040.00	10
11	-4329.00	13550.00	11
12	-2319.00	15350.00	12
13	9712.00	8574.00	13
14	5702.00	8712.00	14
15	3074.00	9126.00	15
16	-5084.00	9818.00	16
17	-3287.00	9403.00	17
18	-4531.00	16180.00	18
19	-8956.00	14240.00	19
20	-6329.00	15210.00	20
21	9297.00	7329.00	21
22	8052.00	6914.00	22
23	4116.00	6637.00	23
24	3904.00	7743.00	24
25	2383.00	8158.00	25
26	308.50	8850.00	26
27	-12270.00	11480.00	27
28	4181.00	12440.00	28
29	308.50	10230.00	29

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	3.53	3.39	6.92	.14	13.00	.50	2
3	3.50	5.23	8.72	-1.73	11.50	.50	3
4	3.46	5.95	9.41	-2.49	11.50	.50	4
5	3.43	5.78	9.21	-2.35	12.50	.75	5
6	3.43	5.85	9.41	-2.42	13.50	1.00	6
7	3.70	6.61	10.31	-2.97	14.00	1.00	7
8	5.81	8.03	13.84	-2.97	14.00	1.00	8
9	3.91	6.89	10.80	-3.11	12.22	1.09	9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TMGW 20800 TMCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	39030SDY	39030ALT	69150SDY	69150ALT	49710SDY	49710ALT	EVENT
2	12.57	2.79	-1598.00	1720.00	14000.00	7000.00	2
3	11.39	2.57	-1910.00	1407.00	14000.00	7000.00	3
4	11.95	1.50	-1754.00	1251.00	14000.00	7000.00	4
5	13.65	1.61	-1911.00	1720.00	14000.00	7000.00	5
6	14.66	2.57	-2223.00	1720.00	14000.00	6000.00	6
7	15.54	2.71	-1598.00	1720.00	14000.00	7000.00	7
8	15.31	3.05	-1442.00	2189.00	14000.00	10000.00	8
9	13.50	3.55	-3004.00	4064.00	14000.00	20000.00	9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
2	3500.00	2500.00	2269.00	3849.00	-3129.00	5046.00	2
3	4077.00	2663.00	2309.00	3024.00	-4000.00	4500.00	3
4	4038.00	2937.00	2309.00	4124.00	-4000.00	3500.00	4
5	5761.00	4974.00	2309.00	4595.00	-4000.00	4000.00	5
6	5000.00	3500.00	2387.00	5224.00	-3000.00	3500.00	6
7	4500.00	5000.00	2152.00	5695.00	-3000.00	4000.00	7
8	4000.00	6000.00	3565.00	7659.00	-4054.00	5719.00	8
9	5878.00	7677.00	1012.00	6756.00	-900.00	8284.00	9

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-5000.00	5000.00	4000.00	9000.00	44530.00	11230.00	2
3	-3000.00	3500.00	2954.00	8171.00	44090.00	9311.00	3
4	-3000.00	3500.00	4108.00	8748.00	44530.00	9754.00	4
5	-5000.00	3000.00	4000.00	11000.00	44680.00	11380.00	5
6	-5000.00	3000.00	4000.00	11000.00	44680.00	14930.00	6
7	-5000.00	4000.00	4685.00	15670.00	44530.00	18620.00	7
8	-4500.00	4500.00	4973.00	18070.00	43790.00	22310.00	8
9	1183.00	9998.00	7665.00	14420.00	42460.00	16550.00	9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	38000.00	10000.00	1515.00	1254.00	400.00	700.00	2
3	38000.00	8000.00	1724.00	1642.00	100.00	1000.00	3
4	36000.00	8000.00	1485.00	2119.00	-200.00	1400.00	4
5	36000.00	10000.00	1306.00	2418.00	-200.00	2000.00	5
6	36000.00	11000.00	1335.00	2865.00	-200.00	2300.00	6
7	38000.00	16000.00	1485.00	3133.00	0.00	2600.00	7
8	54000.00	18000.00	1574.00	3283.00	-200.00	2600.00	8
9	33610.00	16700.00	2260.00	2537.00	2593.00	3458.00	9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	170.40	511.90	916.40	214.60	1124.00	458.00	2
3	49.13	740.90	885.80	168.70	1023.00	326.10	3
4	143.40	889.20	970.10	207.00	984.40	256.20	4
5	129.90	1199.00	855.10	230.00	1015.00	225.20	5
6	89.53	1374.00	7000.00	200.00	1000.00	271.70	6
7	8.72	1455.00	7000.00	200.00	1101.00	419.20	7
8	-99.06	1536.00	1185.00	528.90	1093.00	504.60	8
9	-611.00	1563.00	763.10	567.30	751.50	504.60	9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	A9R60SDY	69860ALT	EVENT
2	4188.00	5136.00	2
3	14460.00	5135.00	3
4	14180.00	6277.00	4
5	6901.00	7846.00	5
6	1338.00	8845.00	6
7	-3656.00	10130.00	7
8	2479.00	14840.00	8
9	14320.00	9273.00	9

FLIGHT LOADS

CH-46 FOB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	39010SDV	39010ALT	39010MAX	39010MIN	39020SDV	39020ALT	EVENT
2	3.77	6.06	9.97	-2.63	14.28	1.03	2
3	3.91	6.74	10.65	-2.97	14.57	1.16	3
4	3.63	6.81	10.72	-3.18	14.57	1.16	4
5	3.84	6.68	10.51	-3.18	13.78	1.11	5
6	3.56	7.15	10.72	-3.59	13.91	1.24	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	39030SDY	39030ALT	69150SDY	69150ALT	49710SDY	49710ALT	EVENT
2	15.02	2.82	-2066.00	1714.00	14800.00	9669.00	2
3	15.39	3.25	-2378.00	2337.00	15990.00	12210.00	3
4	14.90	3.92	-2846.00	3117.00	15100.00	17130.00	4
5	14.81	4.19	-2690.00	3272.00	14130.00	18150.00	5
6	14.96	4.89	-2378.00	3895.00	13790.00	16830.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
2	4735.00	5133.00	2428.00	5676.00	-4874.00	5035.00	2
3	4250.00	6427.00	2078.00	6104.00	-4416.00	6159.00	3
4	4210.00	8488.00	1262.00	7620.00	-5456.00	8115.00	4
5	3321.00	8731.00	795.50	8476.00	-5539.00	8115.00	5
6	4008.00	10230.00	795.50	9720.00	-5914.00	8989.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	-5903.00	4067.00	6078.00	14760.00	48800.00	16600.00	2
3	-5255.00	5145.00	5792.00	17910.00	48260.00	21530.00	3
4	-4485.00	6716.00	6078.00	22000.00	49880.00	25660.00	4
5	-3254.00	7825.00	6744.00	22100.00	47450.00	26820.00	5
6	-3408.00	8164.00	5220.00	26860.00	45660.00	29880.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	39980.00	15040.00	1905.00	2824.00	-343.20	2393.00	2
3	38670.00	19370.00	1994.00	3206.00	-343.20	2476.00	3
4	39980.00	25940.00	1965.00	3647.00	-447.20	2664.00	4
5	40350.00	27070.00	1906.00	4000.00	-738.50	2830.00	5
6	41110.00	31210.00	1523.00	4559.00	-1009.00	3184.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	26.84	1379.00	877.60	239.60	996.00	321.50	2
3	-40.16	1473.00	877.60	329.40	965.40	382.70	3
4	-709.80	1982.00	885.10	426.80	1050.00	528.10	4
5	-910.60	2263.00	930.00	456.70	1034.00	512.80	5
6	-1259.00	2531.00	870.10	486.70	1057.00	551.10	6

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	A9860SDY	A9860ALT	EVENT
2	-3667.00	9559.00	2
3	-6619.00	10540.00	3
4	-5073.00	12450.00	4
5	690.50	12510.00	5
6	2518.00	14900.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TOGW 21500 TOCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
1	3.60	7.61	11.29	-4.01	12.26	.99	1
2	3.32	6.91	11.00	-3.66	12.13	.86	2
3	3.67	7.54	12.49	-4.01	13.98	1.07	3
4	4.17	8.04	12.21	-4.23	13.03	1.33	4
5	4.13	7.93	12.07	-3.80	13.55	1.07	5
6	3.85	7.30	12.14	-3.45	12.56	1.29	6
7	4.77	8.22	12.99	-3.45	13.25	1.38	7
8	3.64	6.30	9.94	-2.74	14.54	.95	8
9	3.74	7.33	11.22	-3.59	13.93	1.29	9
10	3.57	7.44	11.00	-3.87	13.98	1.42	10
11	3.49	7.44	11.00	-3.94	14.06	1.33	11
12	3.57	7.37	10.93	-3.87	13.76	1.29	12
13	3.14	2.62	6.90	.52	12.99	.86	13
14	4.98	3.05	8.03	.73	12.90	1.72	14
15	4.91	2.62	7.53	.59	12.60	1.25	15
16	4.31	3.01	7.32	.80	13.63	.56	16
17	4.31	5.91	10.22	-1.60	13.33	1.89	17
18	3.49	5.95	9.44	-2.45	14.19	.95	18
19	3.42	4.04	7.46	-.83	14.28	.77	19
20	3.32	4.64	7.96	-1.39	15.05	.86	20
21	3.11	4.85	8.10	-1.75	14.71	.86	21
22	3.14	5.74	8.88	-2.60	14.84	1.16	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TOGW 21500 TOCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	39030SDY	39030ALT	69150SDY	69150ALT	49710SDY	49710ALT	EVENT
1	11.92	3.57	-1653.00	2218.00	15250.00	10350.00	1
2	10.96	3.35	-2286.00	2218.00	12530.00	10690.00	2
3	10.84	4.09	-2445.00	2693.00	14570.00	12390.00	3
4	11.95	4.83	-3078.00	2693.00	13890.00	11370.00	4
5	11.73	4.00	-1494.00	3010.00	16780.00	15610.00	5
6	11.55	3.88	-1969.00	2851.00	16950.00	17140.00	6
7	13.76	4.06	-3078.00	7762.00	17790.00	45140.00	7
8	15.27	2.74	-1969.00	1584.00	14570.00	8995.00	8
9	14.78	4.03	-2286.00	3485.00	12530.00	17820.00	9
10	15.02	4.22	-2920.00	4119.00	12360.00	21720.00	10
11	14.93	4.19	-3078.00	3960.00	11520.00	18160.00	11
12	14.90	4.40	-2920.00	4752.00	11350.00	20370.00	12
13	12.14	3.94	-2445.00	1426.00	10670.00	7128.00	13
14	13.36	4.65	-2286.00	1584.00	10160.00	8316.00	14
15	13.58	4.25	-2761.00	1742.00	11680.00	7807.00	15
16	12.41	3.63	-2286.00	1584.00	11510.00	8656.00	16
17	15.15	8.52	-4029.00	2693.00	2181.00	15610.00	17
18	14.69	2.71	-1969.00	1584.00	14060.00	7807.00	18
19	14.87	5.29	-2286.00	1901.00	13720.00	10180.00	19
20	15.73	5.48	-1969.00	1901.00	12870.00	10010.00	20
21	15.12	6.15	-2403.00	3168.00	13720.00	16630.00	21
22	15.12	6.65	-4028.00	5544.00	11520.00	26980.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TWGW 21500 TWCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
1	3830.00	3995.00	2831.00	4751.00	-6312.00	6752.00	1
2	3400.00	4112.00	2517.00	4908.00	-5645.00	6836.00	2
3	4496.00	4504.00	2714.00	5418.00	-5812.00	8503.00	3
4	3557.00	4426.00	2949.00	4869.00	-6645.00	8753.00	4
5	5123.00	6148.00	829.00	5654.00	-4770.00	11050.00	5
6	5671.00	6384.00	1536.00	5733.00	-7063.00	11420.00	6
7	3556.00	14830.00	613.00	10430.00	-6896.00	13420.00	7
8	4457.00	5170.00	2557.00	5104.00	-4561.00	5085.00	8
9	3674.00	8695.00	1025.00	8913.00	-7562.00	10090.00	9
10	2538.00	9909.00	672.00	9188.00	-6812.00	9003.00	10
11	3713.00	9595.00	515.00	9659.00	-6437.00	9212.00	11
12	2812.00	10500.00	240.00	9698.00	-6812.00	10000.00	12
13	3869.00	3094.00	2557.00	2120.00	-4186.00	3460.00	13
14	4144.00	3759.00	2557.00	2905.00	-4436.00	5377.00	14
15	3517.00	3368.00	2479.00	2591.00	-3144.00	4168.00	15
16	4849.00	3289.00	2832.00	2316.00	-2644.00	3668.00	16
17	1520.00	5836.00	2360.00	2945.00	-3561.00	7419.00	17
18	4575.00	4660.00	2361.00	4986.00	-4561.00	4419.00	18
19	4575.00	4817.00	2439.00	5300.00	-5978.00	5836.00	19
20	4653.00	5835.00	2557.00	5575.00	-4728.00	5085.00	20
21	3987.00	8068.00	2125.00	6715.00	-4936.00	8212.00	21
22	4065.00	11440.00	1359.00	11170.00	-6479.00	12170.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TAGW 21500 TACG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
1	-5460.00	5604.00	4093.00	11830.00	44930.00	12800.00	1
2	-5656.00	5317.00	6130.00	11740.00	47530.00	12890.00	2
3	-6320.00	6845.00	5645.00	13770.00	45200.00	15390.00	3
4	-6670.00	6049.00	5548.00	14070.00	47800.00	15300.00	4
5	-5365.00	10220.00	7003.00	16300.00	47440.00	17990.00	5
6	-5333.00	9042.00	3414.00	17950.00	45460.00	20670.00	6
7	-6193.00	12320.00	2929.00	28330.00	41980.00	31320.00	7
8	-5938.00	4107.00	5160.00	14450.00	47350.00	16110.00	8
9	-4601.00	7801.00	5451.00	21920.00	47260.00	26040.00	9
10	-7848.00	8373.00	5742.00	21830.00	46270.00	27020.00	10
11	-4505.00	8660.00	5451.00	21730.00	46270.00	27020.00	11
12	-4702.00	9902.00	1861.00	21440.00	44840.00	27560.00	12
13	-3582.00	3088.00	115.50	8634.00	43320.00	8322.00	13
14	-4410.00	4489.00	-2019.00	8246.00	49500.00	9128.00	14
15	-4664.00	4235.00	-757.50	9119.00	42340.00	9307.00	15
16	-4059.00	3694.00	1571.00	6791.00	45650.00	6891.00	16
17	-4123.00	7641.00	2541.00	10860.00	45290.00	9933.00	17
18	-5938.00	3725.00	5063.00	13390.00	46900.00	15480.00	18
19	-5747.00	4171.00	4093.00	12610.00	46630.00	14680.00	19
20	-4919.00	4871.00	5645.00	15130.00	46540.00	18340.00	20
21	-2881.00	6718.00	5839.00	19600.00	46000.00	24430.00	21
22	-4473.00	9583.00	1765.00	23860.00	45650.00	27650.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TOGW 21500 TOCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
1	37340.00	10600.00	1819.00	2060.00	2065.00	3802.00	1
2	38690.00	10790.00	1257.00	1935.00	2022.00	3845.00	2
3	36570.00	14070.00	1725.00	2341.00	1914.00	3953.00	3
4	37340.00	12910.00	1850.00	2154.00	-2039.00	3111.00	4
5	37730.00	16380.00	1320.00	2435.00	2152.00	3715.00	5
6	37540.00	20040.00	1257.00	2560.00	-613.10	1858.00	6
7	34450.00	30060.00	-23.00	5088.00	1482.00	4385.00	7
8	38690.00	14650.00	2162.00	2841.00	1720.00	4147.00	8
9	39650.00	26010.00	1413.00	4152.00	-592.00	5163.00	9
10	40040.00	26780.00	320.50	4870.00	553.00	5314.00	10
11	41000.00	27750.00	1007.00	4995.00	466.50	5401.00	11
12	39270.00	27550.00	476.50	5401.00	-1413.00	7280.00	12
13	38890.00	7130.00	2600.00	1467.00	488.60	1015.00	13
14	42740.00	9057.00	2163.00	1530.00	445.40	1361.00	14
15	40620.00	7709.00	2443.00	1686.00	143.00	1318.00	15
16	41970.00	6360.00	2225.00	905.30	683.00	1080.00	16
17	39460.00	9635.00	2412.00	2279.00	207.80	1642.00	17
18	38890.00	13680.00	2318.00	2747.00	1763.00	4104.00	18
19	38500.00	14070.00	2350.00	2716.00	-1845.00	4126.00	19
20	37540.00	16960.00	2443.00	3059.00	1741.00	4126.00	20
21	38500.00	24860.00	2162.00	3465.00	596.50	5271.00	21
22	40430.00	32180.00	663.50	5651.00	-35.00	5962.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TBGW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
1	350.60	1113.00	859.30	225.10	1081.00	406.30	1
2	86.28	1016.00	971.80	232.60	1058.00	414.00	2
3	-303.30	1266.00	806.80	322.60	1089.00	521.30	3
4	-233.70	1336.00	911.80	277.60	1089.00	536.70	4
5	-581.50	1850.00	746.80	412.60	997.10	674.70	5
6	-873.70	1753.00	814.30	465.20	1127.00	682.30	6
7	-1068.00	2449.00	859.30	975.30	1173.00	897.00	7
8	16.72	1336.00	874.30	240.10	974.10	314.30	8
9	-1013.00	2254.00	904.30	450.20	1104.00	567.30	9
10	-1208.00	2449.00	979.30	585.20	1150.00	644.00	10
11	-1402.00	2643.00	934.30	540.20	1089.00	567.30	11
12	-1820.00	2922.00	941.80	577.70	1081.00	621.00	12
13	197.60	403.50	926.80	217.60	966.40	199.30	13
14	141.90	570.40	896.80	232.60	974.10	314.30	14
15	239.30	640.00	896.80	247.60	889.70	260.70	15
16	-52.88	598.30	874.30	240.10	866.70	222.30	16
17	-136.30	1322.00	1099.00	435.10	820.70	452.30	17
18	44.54	1308.00	844.30	210.10	974.10	283.70	18
19	-247.60	1572.00	769.30	300.10	1028.00	322.00	19
20	-38.91	1391.00	866.80	292.60	974.10	314.30	20
21	-623.30	1836.00	859.30	420.20	981.80	506.00	21
22	-1458.00	2727.00	949.30	720.30	1150.00	782.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TOGW 21500 TOCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	69860SDY	69860ALT	EVENT
1	2220.00	8406.00	1
2	8887.00	8986.00	2
3	3815.00	10580.00	3
4	4394.00	10290.00	4
5	10480.00	10000.00	5
6	7728.00	11300.00	6
7	2656.00	15220.00	7
8	-5461.00	9420.00	8
9	191.00	13910.00	9
10	336.50	14930.00	10
11	916.00	13770.00	11
12	2075.00	14060.00	12
13	-98.50	7537.00	13
14	7583.00	10290.00	14
15	-7635.00	7826.00	15
16	-533.50	5653.00	16
17	915.50	15220.00	17
18	-1983.00	9131.00	18
19	-2852.00	8551.00	19
20	-7345.00	9565.00	20
21	-4012.00	11160.00	21
22	-4302.00	14060.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	4.18	7.68	11.86	-3.56	15.76	1.26	2
3	5.38	4.51	9.89	-1.31	7.52	1.26	3
4	5.24	6.13	11.37	-3.28	7.78	1.43	4
5	4.15	6.59	10.73	-2.44	14.15	1.04	5
6	4.15	7.01	11.16	-2.93	14.80	1.17	6
7	4.11	7.26	11.37	-3.42	15.71	1.21	7
8	4.18	8.17	12.35	-4.27	15.15	1.52	8
9	3.90	4.93	8.83	-1.17	14.67	1.04	9
10	3.87	5.60	9.47	-1.73	15.80	1.13	10
11	3.87	5.95	9.82	-2.16	15.80	1.21	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	39030SDY	39030ALT	69150SDY	69150ALT	49710SDY	49710ALT	EVENT
2	16.14	2.64	-1761.00	1894.00	15290.00	8848.00	2
3	6.51	5.89	-2708.00	7574.00	19460.00	37650.00	3
4	3.95	7.22	-4917.00	8521.00	22400.00	38510.00	4
5	14.14	2.25	-2077.00	1578.00	12520.00	5725.00	5
6	14.86	2.75	-2235.00	1736.00	12860.00	7113.00	6
7	15.67	2.66	-3497.00	2998.00	12170.00	7113.00	7
8	15.70	2.97	-2550.00	2367.00	14600.00	11280.00	8
9	14.70	4.86	-1761.00	1894.00	11650.00	8675.00	9
10	15.86	4.97	-1761.00	2209.00	11820.00	9542.00	10
11	15.86	5.25	-1761.00	2525.00	12340.00	12840.00	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
2	4990.00	5337.00	1261.00	6728.00	-4610.00	5766.00	2
3	5068.00	13170.00	1006.00	10740.00	-7220.00	14520.00	3
4	1708.00	15100.00	928.00	10660.00	-9450.00	14560.00	4
5	5108.00	4191.00	2317.00	5436.00	-5283.00	4251.00	5
6	5148.00	4863.00	2121.00	6101.00	-5073.00	5051.00	6
7	4831.00	4942.00	2277.00	5867.00	-4484.00	5219.00	7
8	4120.00	6603.00	1339.00	7510.00	-6335.00	7155.00	8
9	4554.00	5219.00	2199.00	6101.00	-4737.00	4882.00	9
10	4515.00	5733.00	2199.00	6180.00	-4484.00	5808.00	10
11	4080.00	6879.00	1925.00	6923.00	-4736.00	7155.00	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT
2	-6988.00	4306.00	5986.00	18140.00	46040.00	21040.00
3	-7695.00	11760.00	1102.00	30800.00	40690.00	32990.00
4	-7759.00	9962.00	1500.00	31600.00	39440.00	34240.00
5	-7341.00	3375.00	5786.00	14550.00	46040.00	15510.00
6	-6827.00	3953.00	6185.00	17150.00	46040.00	19790.00
7	-6795.00	4049.00	6086.00	17250.00	46040.00	19960.00
8	-8819.00	6267.00	6584.00	22530.00	47910.00	25770.00
9	-5992.00	4274.00	5886.00	17050.00	46130.00	20060.00
10	-5509.00	4628.00	6285.00	20240.00	45770.00	24520.00
11	-4931.00	5785.00	6983.00	22530.00	45510.00	28000.00

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	EVENT
2	35440.00	19600.00	1721.00	3302.00	2
3	31280.00	45520.00	-1274.00	6050.00	3
4	34840.00	41960.00	-4730.00	7840.00	4
5	36230.00	12870.00	1721.00	2870.00	5
6	35630.00	17810.00	1813.00	3210.00	6
7	36030.00	18210.00	1751.00	3395.00	7
8	37020.00	25530.00	1659.00	3858.00	8
9	36420.00	18010.00	1690.00	3271.00	9
10	35830.00	23550.00	1813.00	3580.00	10
11	35830.00	27910.00	1813.00	3827.00	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	-63.59	1522.00	647.30	401.20	991.30	366.70	2
3	-2228.00	3658.00	1079.00	953.80	1289.00	924.30	3
4	-1669.00	4384.00	980.30	840.20	1411.00	878.40	4
5	131.90	1382.00	791.10	196.80	1007.00	275.00	5
6	76.09	1522.00	791.10	242.20	998.90	328.40	6
7	-35.69	1494.00	760.80	272.50	960.80	320.80	7
8	90.03	1787.00	798.70	386.00	983.70	435.40	8
9	34.19	1592.00	844.10	249.80	991.30	320.80	9
10	-77.50	1619.00	791.10	302.80	976.00	366.70	10
11	-133.30	1703.00	632.10	492.00	976.00	443.00	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	A9860SDY	69860ALT	EVENT
2	-11040.00	12160.00	2
3	-8900.00	17080.00	3
4	-4270.00	17950.00	4
5	256.50	10140.00	5
6	-2784.00	11440.00	6
7	-10020.00	11440.00	7
8	-4811.00	14340.00	8
9	-1771.00	11000.00	9
10	-9300.00	11580.00	10
11	-8866.00	12890.00	11

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TOGW 25000 TOCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
4	4.01	2.78	7.35	1.08	14.41	1.04	4
5	4.57	8.77	13.48	-4.20	15.80	1.47	5
6	5.80	10.64	16.44	-4.83	16.36	2.38	6
7	7.03	12.29	19.32	-5.26	17.84	3.51	7
8	6.15	11.06	17.21	-4.90	18.79	3.08	8
9	5.17	10.00	15.17	-4.90	14.41	1.82	9
10	7.85	13.10	20.95	-5.40	16.32	3.56	10
11	5.66	8.17	13.90	-3.43	12.55	1.34	11
12	4.96	8.38	13.34	-3.43	13.29	1.30	12
13	3.83	7.96	12.28	-4.13	12.98	1.26	13
15	.66	1.48	2.14	-1.66	4.66	1.69	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TOGW 25000 TOCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	39030SDY	39030ALT	69150SDY	69150ALT	49710SDY	49710ALT	EVENT
4	12.20	2.92	-1607.00	2050.00	10110.00	10580.00	4
5	15.59	2.47	-2396.00	4100.00	20350.00	23940.00	5
6	16.64	2.58	-4000.00	4000.00	23470.00	29140.00	6
7	18.31	3.08	-4000.00	4000.00	3691.00	34000.00	7
8	17.92	4.42	-4000.00	5000.00	10980.00	29840.00	8
9	13.98	2.75	-4000.00	4500.00	19650.00	28800.00	9
10	13.59	4.75	-6000.00	8000.00	3171.00	39030.00	10
11	11.65	3.42	-2711.00	3469.00	14100.00	19780.00	11
12	12.76	3.53	-2080.00	2523.00	10280.00	13880.00	12
13	12.01	3.94	-2869.00	2681.00	14620.00	13360.00	13
15	5.59	1.47	-2711.00	1262.00	3517.00	3643.00	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TOGW 25000 TOCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVENT
4	4406.00	4229.00	3096.00	3481.00	-4184.00	3744.00	4
5	3521.00	10040.00	2158.00	5984.00	-6330.00	11360.00	5
6	4248.00	10870.00	1336.00	7040.00	-5657.00	13970.00	6
7	3956.00	10390.00	202.00	9113.00	-4058.00	11860.00	7
8	3956.00	10790.00	1767.00	7158.00	-5909.00	12960.00	8
9	4035.00	11030.00	593.00	7705.00	-6372.00	12750.00	9
10	3877.00	13640.00	1708.00	11440.00	-5825.00	15820.00	10
11	4035.00	7549.00	1180.00	5789.00	-5446.00	13000.00	11
12	5260.00	5138.00	1727.00	5945.00	-5657.00	9760.00	12
13	4667.00	4624.00	2510.00	5084.00	-7507.00	10260.00	13
15	1190.00	1699.00	867.30	1095.00	191.20	1304.00	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TOGW 25000 TOCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
4	-8139.00	4241.00	-173.00	12360.00	37950.00	12760.00	4
5	-7978.00	8578.00	3615.00	23920.00	45620.00	27920.00	5
6	-6886.00	9991.00	1821.00	28910.00	41960.00	31750.00	6
7	-6790.00	10220.00	2718.00	38970.00	29560.00	44160.00	7
8	-7464.00	10950.00	6406.00	29900.00	40080.00	33630.00	8
9	-8492.00	10500.00	26.50	29900.00	39460.00	34250.00	9
10	-6646.00	13600.00	-2665.00	48340.00	28170.00	45540.00	10
11	-5280.00	11530.00	5608.00	20140.00	46240.00	22480.00	11
12	-6244.00	8063.00	4811.00	16350.00	44460.00	18740.00	12
13	-7882.00	7839.00	5210.00	15950.00	48210.00	17660.00	13
15	374.30	1124.00	9994.00	5183.00	23940.00	3926.00	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TOGW 25000 TOCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
4	32660.00	11680.00	1006.00	1668.00	-286.10	1020.00	4
5	39200.00	25350.00	264.50	5127.00	-351.50	5860.00	5
6	41970.00	40000.00	-1126.00	6640.00	-1328.00	5144.00	6
7	32000.00	59000.00	-2268.00	7782.00	-2131.00	6121.00	7
8	31860.00	39800.00	202.50	6980.00	-2435.00	5686.00	8
9	38440.00	40400.00	-2237.00	7072.00	-1545.00	5708.00	9
10	32000.00	64500.00	-4129.00	11150.00	-3738.00	8248.00	10
11	38210.00	23170.00	1098.00	3613.00	1689.00	3472.00	11
12	38210.00	16040.00	1932.00	2347.00	2101.00	3754.00	12
13	39200.00	16640.00	2025.00	2130.00	842.50	2235.00	13
15	18010.00	3367.00	1871.00	308.80	668.80	586.00	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TOGW 25000 TOCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
4	-174.70	684.10	972.20	318.10	983.50	221.80	4
5	-1194.00	2206.00	767.70	628.60	1106.00	726.70	5
6	-593.50	2862.00	563.20	772.50	1014.00	849.10	6
7	-1110.00	4328.00	563.20	787.60	1129.00	764.90	7
8	-1669.00	3881.00	828.30	780.00	1114.00	810.80	8
9	-1571.00	3253.00	752.50	734.60	1129.00	826.10	9
10	-2116.00	5305.00	1010.00	1098.00	1029.00	971.50	10
11	-1138.00	2318.00	851.00	484.70	1060.00	818.50	11
12	-258.40	1466.00	858.60	340.80	1006.00	596.70	12
13	-21.09	1145.00	858.60	340.80	1190.00	627.30	13
15	244.20	181.50	646.50	113.60	455.70	91.78	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TOGW 25000 TOCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	69860SDY	69860ALT	EVENT
4	-17110.00	7530.00	4
5	-11470.00	13470.00	5
6	-26230.00	20130.00	6
7	-27830.00	26350.00	7
8	-33180.00	22440.00	8
9	-4371.00	19400.00	9
10	-33330.00	33310.00	10
11	12280.00	12310.00	11
12	7069.00	10860.00	12
13	7069.00	10280.00	13
15	20970.00	3331.00	15

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	39010SDY	39010ALT	39010MAX	39010MIN	39020SDY	39020ALT	EVENT
2	.84	.84	1.68	-.00	8.74	.17	2
3	4.31	7.95	12.25	-3.64	13.71	1.13	3
4	4.34	8.75	13.09	-4.41	15.72	1.40	4
5	4.13	8.40	12.53	-4.27	16.20	1.35	5
6	4.44	8.86	13.30	-4.41	15.98	1.39	6
7	4.69	8.61	13.37	-3.99	14.24	1.48	7
8	5.49	10.12	15.61	-4.62	14.72	1.70	8
9	5.18	9.52	14.70	-4.48	15.02	1.65	9
10	4.38	8.79	13.16	-4.41	13.54	1.31	10
11	4.76	8.82	13.58	-4.20	15.50	1.52	11
12	4.62	8.96	13.58	-4.34	15.76	1.52	12
13	5.11	9.52	14.63	-4.48	16.63	1.61	13
14	4.90	9.38	14.28	-4.48	15.85	1.70	14
15	3.71	4.34	8.05	-.70	7.22	.39	15
16	3.92	4.97	8.89	-1.12	7.35	.52	16
17	3.64	5.18	9.10	-1.54	7.70	.61	17
18	5.22	7.18	12.39	-2.03	9.75	1.18	18
19	4.10	7.11	11.27	-3.08	13.98	1.22	19
20	4.41	8.40	12.81	-3.99	15.89	1.48	20
21	5.11	9.52	14.63	-4.41	16.24	1.74	21
22	4.27	8.33	12.60	-4.06	15.89	1.48	22
23	4.62	8.96	14.00	-4.34	15.41	1.87	23
24	4.34	6.65	10.99	-2.31	13.93	1.18	24
25	4.65	8.58	13.23	-3.92	15.76	1.61	25
26	4.20	7.84	12.04	-3.64	15.37	1.39	26
27	4.80	8.79	13.58	-3.99	14.15	1.74	27
28	4.94	9.70	14.63	-4.76	14.19	1.35	28
29	4.20	8.61	13.02	-4.48	13.15	1.44	29
30	4.83	9.52	14.35	-4.69	13.41	1.52	30
31	4.52	8.93	13.58	-4.55	12.84	1.48	31
32	3.60	8.16	12.18	-4.55	12.67	1.13	32
33	4.94	9.49	14.42	-4.55	13.32	1.44	33
34	5.95	10.50	16.45	-4.76	15.02	2.35	34
35	5.46	9.80	15.26	-4.62	15.11	1.83	35
36	4.86	9.14	14.00	-4.27	16.20	2.22	36
37	4.41	7.35	11.76	-2.94	15.06	1.44	37
38	4.38	7.53	11.97	-3.15	15.89	1.39	38
39	5.08	9.49	14.56	-4.41	15.24	1.79	39
40	4.27	7.28	11.55	-3.08	14.50	1.22	40
41	4.31	7.32	11.62	-3.15	15.37	1.22	41
42	3.78	7.84	11.76	-4.06	15.15	1.44	42
43	4.69	9.10	13.79	-4.41	15.11	1.83	43
44	4.62	9.17	13.86	-4.55	14.15	1.92	44
45	4.38	5.99	10.36	-1.61	13.06	.83	45
46	1.19	.84	2.03	.21	6.87	.13	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	39030SDY	39030ALT	49710SDY	49710ALT	EVENT
2	5.47	.93	3680.00	8321.00	2
3	13.64	.93	15120.00	11090.00	3
4	15.32	2.56	18590.00	22880.00	4
5	15.72	2.69	16160.00	17330.00	5
6	15.59	2.83	14600.00	23050.00	6
7	13.34	3.15	16510.00	27390.00	7
8	13.98	3.15	15990.00	30330.00	8
9	12.94	3.49	16510.00	28770.00	9
10	12.41	2.32	14950.00	23750.00	10
11	15.40	2.75	16510.00	23920.00	11
12	15.85	2.72	15640.00	23750.00	12
13	15.16	2.83	13560.00	31370.00	13
14	15.24	3.07	16160.00	27730.00	14
15	5.39	2.56	8187.00	19410.00	15
16	6.09	3.41	8880.00	22880.00	16
17	5.66	3.63	10090.00	22010.00	17
18	8.22	3.52	10960.00	26690.00	18
19	13.74	2.53	13730.00	8667.00	19
20	15.50	2.64	16330.00	20280.00	20
21	14.89	3.09	14600.00	29990.00	21
22	15.27	2.99	14950.00	20630.00	22
23	14.52	3.31	15290.00	27560.00	23
24	13.77	2.72	10790.00	7107.00	24
25	15.03	2.75	14770.00	23570.00	25
26	14.84	3.31	11830.00	14730.00	26
27	14.41	3.04	13730.00	22190.00	27
28	11.58	5.55	3160.00	15770.00	28
29	11.48	5.71	12520.00	10570.00	29
30	11.42	4.96	6280.00	13350.00	30
31	11.21	6.99	14950.00	12650.00	31
32	10.94	7.36	12520.00	13000.00	32
33	11.74	5.87	9574.00	18720.00	33
34	13.45	4.64	21360.00	28430.00	34
35	14.12	2.53	10270.00	23920.00	35
36	13.40	2.61	15640.00	19240.00	36
37	14.30	2.67	12690.00	9707.00	37
38	14.86	2.48	12520.00	8494.00	38
39	14.63	3.31	15290.00	25830.00	39
40	13.69	2.53	12520.00	13000.00	40
41	14.78	2.56	12350.00	9361.00	41
42	14.79	3.15	12690.00	14910.00	42
43	15.03	3.33	16160.00	20800.00	43
44	12.76	3.41	12520.00	21670.00	44
45	12.54	3.73	10440.00	20630.00	45
46	5.69	1.09	906.00	7280.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/20/77

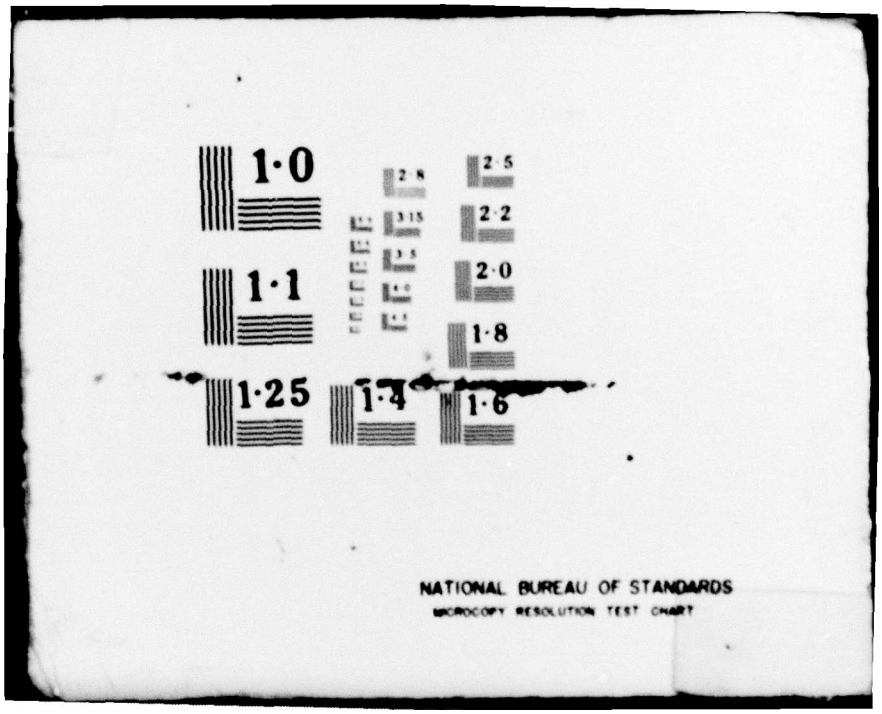
EVENT	49720SDY	49720ALT	49730SDY	69730ALT	49740SDY	49740ALT	EVEN
2	863.00	3242.00	687.10	3287.00	723.60	3779.00	2
3	4580.00	5535.00	2292.00	4501.00	-4988.00	6132.00	3
4	3670.00	9529.00	2057.00	5596.00	-5408.00	10920.00	4
5	4303.00	8106.00	2370.00	5439.00	-5534.00	8358.00	5
6	3552.00	9174.00	2722.00	5557.00	-5199.00	9534.00	6
7	2247.00	12060.00	882.50	7945.00	-4485.00	11170.00	7
8	3433.00	11030.00	2096.00	6654.00	-6122.00	13900.00	8
9	4501.00	10830.00	608.50	6497.00	-6332.00	13440.00	9
10	4066.00	9846.00	1783.00	5557.00	-4694.00	12050.00	10
11	3868.00	9727.00	2135.00	6380.00	-5828.00	10330.00	11
12	3789.00	10280.00	2252.00	6497.00	-5367.00	10540.00	12
13	3750.00	11590.00	1704.00	6731.00	-5030.00	11470.00	13
14	3117.00	11350.00	1235.00	7984.00	-4653.00	10920.00	14
15	2207.00	7038.00	725.90	4735.00	-4022.00	5334.00	15
16	2722.00	7948.00	99.50	5362.00	-5450.00	6846.00	16
17	2128.00	7038.00	334.50	5440.00	-6122.00	5838.00	17
18	3275.00	8818.00	764.50	7045.00	-5954.00	8778.00	18
19	4896.00	4824.00	2096.00	5557.00	-5702.00	4998.00	19
20	4935.00	9371.00	1900.00	6379.00	-6164.00	10250.00	20
21	3552.00	11310.00	1861.00	7593.00	-6500.00	11680.00	21
22	4738.00	9964.00	1431.00	7084.00	-6332.00	9743.00	22
23	3512.00	12850.00	882.50	8728.00	-6794.00	12890.00	23
24	4857.00	4784.00	1861.00	6184.00	-4820.00	4704.00	24
25	4975.00	10440.00	1900.00	7084.00	-6416.00	11260.00	25
26	4738.00	7196.00	1078.00	7905.00	-4778.00	7686.00	26
27	3473.00	12020.00	1195.00	9510.00	-7550.00	12560.00	27
28	3512.00	6050.00	2643.00	5166.00	-7382.00	8022.00	28
29	5291.00	3954.00	1782.00	4931.00	-7046.00	7434.00	29
30	3829.00	4784.00	1822.00	5518.00	-6500.00	7980.00	30
31	5015.00	4547.00	1705.00	5322.00	-8096.00	8819.00	31
32	3987.00	4230.00	2996.00	4657.00	-6332.00	8652.00	32
33	5371.00	7670.00	2605.00	5361.00	-5535.00	10290.00	33
34	4224.00	10480.00	119.00	10040.00	-5954.00	13150.00	34
35	4778.00	10080.00	451.50	7984.00	-5408.00	13100.00	35
36	4026.00	8620.00	2722.00	6653.00	-7130.00	9365.00	36
37	5173.00	5970.00	2135.00	6301.00	-6290.00	5586.00	37
38	4936.00	5496.00	1744.00	6458.00	-5114.00	6006.00	38
39	4105.00	13130.00	1665.00	9197.00	-5114.00	12640.00	39
40	5015.00	6445.00	1470.00	6262.00	-6038.00	6342.00	40
41	4698.00	5417.00	1822.00	5988.00	-4862.00	5754.00	41
42	3591.00	7948.00	764.50	7671.00	-5156.00	7980.00	42
43	3987.00	11660.00	-135.50	9354.00	-6206.00	11720.00	43
44	3750.00	11590.00	2.00	9921.00	-7004.00	11170.00	44
45	3987.00	7868.00	3779.00	7945.00	-1503.00	11130.00	45
46	981.80	3677.00	374.00	2505.00	-956.00	2436.00	46

AD-A075 619 BOEING VERTOL CO PHILADELPHIA PA F/G 1/3
CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME X--ETC(U)
1978 R AIELLO, J BENDO N00019-75-C-0396
UNCLASSIFIED D210-11168-3-VOL-10 NL

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	49750SDY	49750ALT	49760SDY	49760ALT	49770SDY	49770ALT	EVENT
2	324.70	3661.00	3874.00	4526.00	47720.00	6331.00	2
3	-7761.00	4871.00	4366.00	14860.00	54940.00	15510.00	3
4	-7315.00	8245.00	5448.00	22630.00	54140.00	24870.00	4
5	-7379.00	7162.00	4858.00	19680.00	54040.00	21570.00	5
6	-6806.00	7608.00	4956.00	23120.00	53960.00	25050.00	6
7	-6992.00	9486.00	8203.00	29710.00	51910.00	27100.00	7
8	-8079.00	10600.00	4366.00	32570.00	48610.00	30400.00	8
9	-7474.00	10700.00	5054.00	28530.00	51010.00	27990.00	9
10	-6965.00	10250.00	4366.00	22730.00	54050.00	24960.00	10
11	-7411.00	8467.00	7514.00	24300.00	53510.00	25500.00	11
12	-6870.00	8181.00	7613.00	25580.00	52620.00	26390.00	12
13	-5501.00	9040.00	8695.00	28240.00	50210.00	28800.00	13
14	-5756.00	9677.00	9187.00	29520.00	51550.00	27460.00	14
15	-6705.00	5444.00	5448.00	12000.00	61090.00	16320.00	15
16	-5533.00	5953.00	6235.00	16140.00	59480.00	19520.00	16
17	-6424.00	5826.00	3973.00	15450.00	59220.00	19790.00	17
18	-7729.00	8086.00	4071.00	20860.00	53780.00	25230.00	18
19	-7825.00	3916.00	6628.00	16330.00	54850.00	17740.00	19
20	-7920.00	8340.00	4562.00	24500.00	53240.00	25770.00	20
21	-5819.00	9614.00	6333.00	31390.00	46820.00	32190.00	21
22	-8302.00	8277.00	4563.00	24690.00	52080.00	26920.00	22
23	-6137.00	9232.00	10370.00	32270.00	49500.00	29510.00	23
24	-7188.00	3597.00	8498.00	18000.00	55740.00	20420.00	24
25	-7888.00	8818.00	3382.00	25680.00	51280.00	27730.00	25
26	-6514.00	5571.00	9384.00	25380.00	49500.00	29510.00	26
27	-8875.00	9295.00	11350.00	31090.00	49410.00	29600.00	27
28	-6838.00	6685.00	3677.00	17710.00	50660.00	18370.00	28
29	-5947.00	5921.00	4858.00	15350.00	52710.00	18090.00	29
30	-6456.00	6812.00	6137.00	15450.00	49770.00	17120.00	30
31	-8111.00	6812.00	3972.00	16630.00	51550.00	21400.00	31
32	-6965.00	7513.00	5940.00	13280.00	52530.00	15600.00	32
33	-8342.00	9072.00	3382.00	18000.00	50840.00	21580.00	33
34	-6393.00	11840.00	-947.00	41030.00	39240.00	39760.00	34
35	-6774.00	9741.00	10270.00	31190.00	49770.00	29240.00	35
36	-7984.00	7449.00	5055.00	26960.00	48250.00	30760.00	36
37	-8557.00	5030.00	7612.00	18890.00	54230.00	23180.00	37
38	-6933.00	4107.00	8301.00	20370.00	54220.00	24780.00	38
39	-6169.00	9709.00	8793.00	32070.00	46650.00	32360.00	39
40	-8397.00	5571.00	7022.00	17510.00	56100.00	19880.00	40
41	-6806.00	4043.00	6826.00	18300.00	55470.00	21570.00	41
42	-7984.00	6685.00	8203.00	22240.00	54140.00	24870.00	42
43	-9098.00	9136.00	7514.00	30400.00	49320.00	29690.00	43
44	-6100.00	12730.00	12630.00	30600.00	49680.00	29330.00	44
45	-3178.00	10920.00	9186.00	16330.00	54130.00	18990.00	45
46	-471.10	2037.00	5940.00	2460.00	36840.00	2765.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	49780SDY	49780ALT	49790SDY	49790ALT	49800SDY	49800ALT	EVENT
2	43380.00	6615.00	2934.00	823.70	445.00	564.50	2
3	46880.00	12060.00	3346.00	2312.00	-336.70	2085.00	3
4	45710.00	22180.00	2205.00	4530.00	-1140.00	4104.00	4
5	44360.00	18090.00	3250.00	3168.00	-467.00	2823.00	5
6	45910.00	21980.00	2997.00	4752.00	-1553.00	4256.00	6
7	50190.00	29760.00	2395.00	5227.00	-1423.00	4777.00	7
8	51940.00	39290.00	1381.00	6748.00	-2161.00	5863.00	8
9	49410.00	29370.00	1255.00	7002.00	-2270.00	5928.00	9
10	45710.00	19840.00	2173.00	4562.00	-1683.00	3822.00	10
11	46880.00	24510.00	2395.00	5480.00	-1053.00	4582.00	11
12	46490.00	26840.00	2934.00	5068.00	-1553.00	4777.00	12
13	47860.00	34430.00	3251.00	6462.00	-2009.00	5798.00	13
14	49410.00	31320.00	2332.00	6431.00	-3051.00	5494.00	14
15	53690.00	17700.00	4137.00	1901.00	2269.00	3474.00	15
16	52910.00	23150.00	4486.00	2122.00	2247.00	3235.00	16
17	49610.00	21790.00	4454.00	1964.00	2443.00	3214.00	17
18	48250.00	31320.00	3567.00	2851.00	-228.20	3670.00	18
19	45720.00	15180.00	3852.00	2883.00	75.84	2671.00	19
20	43960.00	23150.00	3726.00	3516.00	1400.00	4343.00	20
21	45330.00	34630.00	3029.00	6684.00	-2161.00	5993.00	21
22	44550.00	24120.00	3630.00	3548.00	444.80	3691.00	22
23	48630.00	36760.00	3029.00	5544.00	119.00	5624.00	23
24	44740.00	18480.00	3757.00	3168.00	-32.75	2910.00	24
25	42990.00	24510.00	3504.00	3928.00	-2204.00	4126.00	25
26	43380.00	34240.00	3694.00	3738.00	1465.00	4278.00	26
27	48830.00	36960.00	3726.00	4466.00	-4918.00	8230.00	27
28	44160.00	16340.00	3631.00	2407.00	488.40	2736.00	28
29	44740.00	15760.00	3694.00	2407.00	336.40	2367.00	29
30	42400.00	15560.00	3789.00	2439.00	249.60	2541.00	30
31	44160.00	19460.00	3757.00	2534.00	249.60	2323.00	31
32	44940.00	17510.00	3441.00	1837.00	2139.00	3604.00	32
33	47660.00	21010.00	3662.00	2756.00	-1140.00	2410.00	33
34	41630.00	51550.00	-171.50	9061.00	-3941.00	6862.00	34
35	48830.00	43580.00	1001.00	7508.00	-1423.00	7166.00	35
36	41630.00	30930.00	2870.00	4118.00	-1510.00	4256.00	36
37	42990.00	21790.00	3599.00	3389.00	271.30	3214.00	37
38	43380.00	23340.00	3535.00	3453.00	-141.30	3149.00	38
39	42600.00	37740.00	3029.00	5480.00	-120.00	5863.00	39
40	47080.00	17320.00	3567.00	3041.00	271.30	3214.00	40
41	45330.00	19840.00	3631.00	3231.00	141.00	3127.00	41
42	44290.00	27040.00	3472.00	4150.00	1422.00	4321.00	42
43	48830.00	39300.00	3599.00	5860.00	-1357.00	5407.00	43
44	50380.00	39680.00	1698.00	7128.00	-1836.00	6015.00	44
45	48630.00	20810.00	2427.00	2787.00	770.60	4060.00	45
46	31520.00	2918.00	3441.00	633.60	249.60	412.60	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	49810SDY	49810ALT	49820SDY	49820ALT	49840SDY	49840ALT	EVENT
2	383.40	321.50	1105.00	227.00	704.70	237.00	2
3	-21.97	1314.00	946.20	280.00	995.20	389.90	3
4	-1252.00	2209.00	863.00	620.50	1011.00	680.50	4
5	-706.90	1831.00	946.20	461.60	1018.00	535.20	5
6	-1294.00	2251.00	953.80	590.20	1011.00	604.00	6
7	-539.20	2754.00	953.80	696.20	957.00	703.40	7
8	-790.80	3257.00	878.10	741.60	1049.00	917.50	8
9	-1043.00	3201.00	825.20	718.80	1072.00	848.70	9
10	-1154.00	2279.00	961.30	597.80	979.90	756.90	10
11	-1238.00	2362.00	893.30	590.20	1041.00	649.90	11
12	-1364.00	2348.00	923.50	620.50	1018.00	672.80	12
13	-958.60	2670.00	900.80	794.50	972.30	718.70	13
14	-1406.00	2502.00	900.80	688.60	964.60	711.10	14
15	271.60	964.60	1362.00	469.10	1095.00	336.40	15
16	33.91	1398.00	1400.00	522.10	1186.00	443.50	16
17	-105.90	1510.00	1370.00	491.80	1225.00	374.70	17
18	-1140.00	3076.00	1226.00	650.80	1163.00	573.40	18
19	-63.94	1384.00	915.90	219.40	1026.00	313.50	19
20	-734.90	1943.00	870.60	537.30	1056.00	649.90	20
21	-1434.00	2894.00	878.10	741.60	1072.00	726.30	21
22	-734.90	2279.00	915.90	537.30	1072.00	619.30	22
23	-539.20	2642.00	946.20	703.70	1087.00	818.10	23
24	-77.91	1482.00	953.80	227.00	964.60	313.50	24
25	-623.10	2195.00	885.70	597.70	1087.00	711.10	25
26	-371.50	1691.00	915.90	340.50	949.30	481.70	26
27	-720.90	2460.00	946.20	628.00	1133.00	802.80	27
28	271.60	1440.00	1067.00	325.40	1110.00	489.30	28
29	369.40	1286.00	931.10	249.70	1110.00	458.80	29
30	173.70	1398.00	855.40	325.40	1079.00	489.30	30
31	-189.70	1650.00	855.40	310.20	1186.00	550.50	31
32	-665.00	1650.00	915.90	325.40	1072.00	512.30	32
33	-623.10	1803.00	893.30	484.30	1003.00	627.00	33
34	-1113.00	4469.00	772.20	711.30	941.70	810.40	34
35	-1071.00	3285.00	885.70	673.40	972.20	779.90	35
36	-1266.00	2782.00	840.30	476.70	1095.00	581.10	36
37	-91.88	1580.00	863.00	287.50	949.30	359.30	37
38	-161.80	1510.00	847.80	287.50	964.60	374.60	38
39	-1070.00	2670.00	870.60	673.40	972.20	/ 825.80	39
40	-91.88	1636.00	908.40	348.10	1079.00	382.30	40
41	-189.70	1398.00	931.10	264.80	964.60	359.40	41
42	-846.80	1943.00	893.30	423.80	979.90	497.00	42
43	-581.20	2936.00	946.20	597.80	1072.00	741.70	43
44	-916.80	3998.00	976.50	567.50	1041.00	726.30	44
45	-1084.00	2237.00	946.20	552.30	796.40	695.80	45
46	215.70	237.70	749.50	249.70	482.90	152.90	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20800 TOCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	69860SDY	69860ALT	EVENT
2	34610.00	3102.00	2
3	-1475.00	10430.00	3
4	-11770.00	12550.00	4
5	-15710.00	11980.00	5
6	-15010.00	12120.00	6
7	-2462.00	14800.00	7
8	-7677.00	16070.00	8
9	-10070.00	15080.00	9
10	-1757.00	11000.00	10
11	-12050.00	13670.00	11
12	-13460.00	13110.00	12
13	-13170.00	15080.00	13
14	-12610.00	15650.00	14
15	48430.00	6766.00	15
16	49410.00	8035.00	16
17	48150.00	8458.00	17
18	23340.00	12690.00	18
19	-1475.00	11280.00	19
20	-13880.00	12970.00	20
21	-15150.00	17060.00	21
22	-13170.00	13670.00	22
23	-10500.00	16350.00	23
24	-488.00	11420.00	24
25	-11480.00	14800.00	25
26	-5845.00	14800.00	26
27	-65.00	17480.00	27
28	217.00	11000.00	28
29	4164.00	11000.00	29
30	2754.00	11840.00	30
31	6842.00	11980.00	31
32	4843.00	10290.00	32
33	5433.00	11700.00	33
34	-7536.00	26920.00	34
35	-5845.00	20160.00	35
36	-14300.00	17340.00	36
37	-4435.00	13110.00	37
38	-11060.00	12690.00	38
39	-7536.00	17340.00	39
40	-4153.00	11700.00	40
41	-8946.00	11420.00	41
42	-4550.00	13530.00	42
43	-2603.00	18040.00	43
44	922.00	19880.00	44
45	16150.00	8881.00	45
46	28130.00	1410.00	46