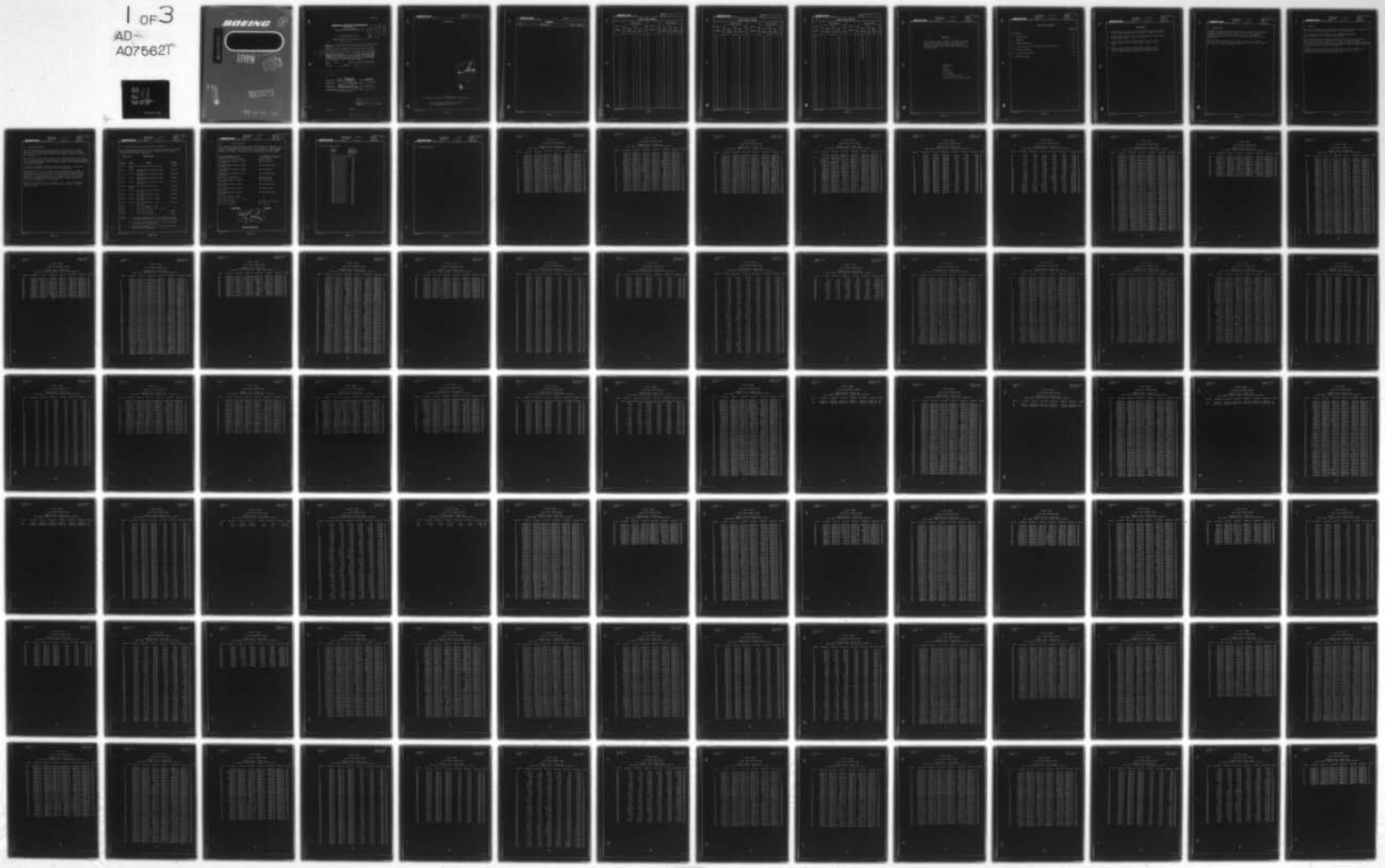
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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA, VOLUME X--ETC(U)
1978 R AIELLO, J BENDO N00019-75-C-0396
UNCLASSIFIED D210-11168-3-VOL-12 NL

1 OF 3
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VOL-12

(6)

TITLE CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA, TABULATED FORWARD AND AFT ROTOR SHAFT LOADS, LOAD FACTOR, PITCH AND ROLL ATTITUDE AND ROTOR RPM,

Volume XII.

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

ISSUE NO. _____ ISSUED TO: (15)

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PREPARED BY R.a. J.Bendo DATE 11/22/78
R.Aiello/J.Bendo

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

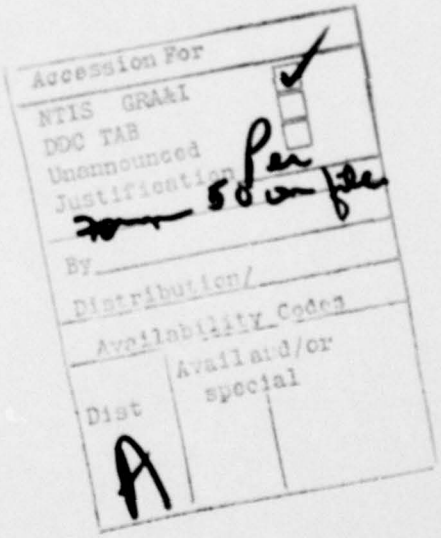
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LIMITATIONS



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FORM 46281 (3/67)

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL

FORM 46282 (9/67)

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
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			
26				56				86			
27				57				87			
28				58				88			
29				59				89			
30				60				90			

FORM 46263 (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
91				121				151			
92				122				152			
93				123				153			
94				124				154			
95				125				155			
96				126				156			
97				127				157			
98				128				158			
99				129				159			
100				130				160			
101				131				161			
102				132				162			
103				133				163			
104				134				164			
105				135				165			
106				136				166			
107				137				167			
108				138				168			
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 46265 (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							
192				222							
193				223							
194				224							
195				225							
196				226							
197				227							
198				228							
199				229							
200				230							
201				231							
202				232							
203				233							
204				234							
205				235							
206				236							
207				237							
208				238							
209				239							
210				240							

ABSTRACT

This report volume presents tabulated forward and aft rotor shaft loads, load factor, pitch and roll attitude and rotor rpm measured during the CH-46 Composite Rotor Blade Flight Stress Survey.

KEYWORDS

CH-46E

Composite

Rotor Blade

Flight Stress Survey

Alternating and Steady Loads

TABLE OF CONTENTS

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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 8 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Forward and Aft Rotor Shaft 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 test 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 forward and aft rotor shaft loads tabulated by flight and event number. Maximum and minimum forward and aft shaft torque values are included in this grouping. The steady and alternating data is plotted versus true airspeed and can be found in Volume 8.

In addition, this volume contains measured (steady, maximum and minimum) load factor, pitch/roll attitude, and rotor rpm tabulated by flight and event number.

3. DATA PRESENTATION

This volume contains measured steady and alternating forward and aft rotor shaft loads tabulated by flight and event number. The maximum and minimum forward and aft shaft torque values are also presented.

The tabulated load levels represent the maximum alternating load cycle occurring during the particular flight condition. The steady and alternating data is shown plotted versus true airspeed and can be found in Volume 8.

In addition measured (steady, maximum and minimum) load factor pitch/roll attitude, and rotor rpm are tabulated.

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:

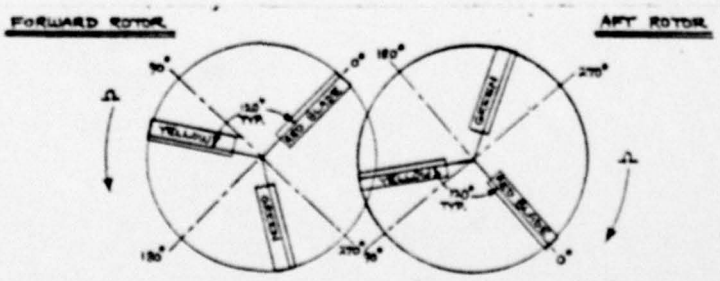
DATA CODE		MEASUREMENT	
ACTIVE	SPARE	NAME	UNITS
41200	41210/ 61200	Forward Rotor Shaft Torque	(IN-LB)
41160	61160	Forward Shaft Bending, Upper (0°-180°)	(IN-LB)
41170	61170	Forward Shaft Bending. Upper (90°-270°)	(IN-LB)
41870	61870	Forward Shaft Bending, Lower (0°-180°)	(IN-LB)
41880	61880	Forward Shaft Bending, Lower (90°-270°)	(IN-LB)
49200	69200/ 69210	Aft Rotor Shaft Torque	(IN-LB)
49160	69160	Aft Shaft Bending, Upper (0°-180°)	(IN-LB)
49170	69170	Aft Shaft Bending, Upper (90°-270°)	(IN-LB)
49230	69230	Aft Shaft Bending, Lower (0°-180°)	(IN-LB)
49240	69240	Aft Shaft Bending, Lower (90°-270°)	(IN-LB)
91020	-	A/C Rotor Speed - (RPM)	
14420	-	A/C Load Factor @ C.G. - (G's)	
34020	-	A/C Roll Attitude	(DEG.)
34010	-	A/C Pitch Attitude	(DEG.)

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. In addition, a sketch(found below), presents a top view of the forward and aft rotor blades showing the angular orientation and positioning of each blade.

GAGE MEASUREMENT NAME	(+) POLARITY CONDITION
Forward Rotor Shaft Torque	Blade Lagging
Forward Shaft Bending, Upper (0°-180°)	Red Blade Down
Forward Shaft Bending. Upper (90°-270°)	Yellow Blade Down
Forward Shaft Bending, Lower (0°-180°)	Red Blade Down
Forward Shaft Bending, Lower (90°-270°)	Yellow Blade Down
Aft Rotor Shaft Torque	Blade Lagging
Aft Shaft Bending, Upper (0°-180°)	Red Blade Down
Aft Shaft Bending, Upper (90°-270°)	Yellow Blade Down
Aft Shaft Bending, Lower (0°-180°)	Red Blade Down
Aft Shaft Bending, Lower (90°-270°)	Yellow Blade Down
A/C Rotor Speed - (RPM)	--
A/C Load Factor @ C.G. -(G's)	--
A/C Roll Attitude	A/C Right Side Down
A/C Pitch Attitude	A/C Nose Up



TOP VIEW LOOKING DOWN

FORM 11180 (6/67)

3.3 Flight Index Chart

FLIGHT NUMBER	START OF TABULATION SEQUENCE
114	PAGE 17
115	23
116	35
117	41
119	47
121	59
122	71
124	77
126	89
127	95
128	101
132	107
133	113
134	125
135	131
136	137
137	143
138	149
139	155
140	167
141	173
142	185
143	197
151	209
161	215
162	221
163	227
166	233
167	239
177	245

4. TABULATED DATA

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	57140.00	3016.00	60160.00	53270.00	114.50	23510.00	1
2	263500.00	12920.00	280700.00	245400.00	-1694.00	41590.00	2
3	290200.00	18100.00	310000.00	248000.00	566.50	57410.00	3
4	264400.00	45660.00	310000.00	196300.00	-4407.00	47020.00	4
5	241800.00	29300.00	315200.00	232500.00	9609.00	64650.00	5
6	245000.00	27140.00	347900.00	171300.00	-5320.00	91320.00	6
7	320800.00	62470.00	400500.00	174800.00	10500.00	133400.00	7
9	187700.00	45670.00	264400.00	14490.00	1019.00	28930.00	9
10	295400.00	17230.00	346000.00	260000.00	-8024.00	84090.00	10
11	187700.00	19820.00	222100.00	156700.00	-5768.00	76410.00	11
12	130800.00	15510.00	148000.00	108400.00	-3504.00	74140.00	12
13	155400.00	9904.00	190300.00	133400.00	-4416.00	84990.00	13
14	234200.00	15510.00	253200.00	212700.00	-3512.00	87700.00	14
15	292400.00	21110.00	322900.00	266100.00	2816.00	86800.00	15
16	318600.00	24990.00	355700.00	292800.00	5528.00	87700.00	16
17	333300.00	28440.00	345200.00	294500.00	7792.00	93580.00	17
18	322000.00	33180.00	344900.00	288500.00	6888.00	94490.00	18
19	308700.00	29730.00	342600.00	278100.00	10510.00	104400.00	19
20	230800.00	19820.00	249500.00	127400.00	-3056.00	94480.00	20
21	190700.00	15940.00	222100.00	117000.00	-4864.00	89060.00	21
22	195900.00	24560.00	298000.00	123100.00	-9840.00	101300.00	22
23	233800.00	19380.00	308300.00	131700.00	-2600.00	96740.00	23
24	187700.00	26710.00	373800.00	81700.00	-12100.00	113500.00	24
25	167400.00	28000.00	310000.00	93760.00	-15260.00	105800.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	-2687.00	22380.00	1238.00	26120.00	-7337.00	26040.00	1
2	4922.00	43420.00	-5966.00	48630.00	4338.00	52090.00	2
3	3131.00	49680.00	9342.00	67540.00	296.00	57920.00	3
4	-897.00	46550.00	-4165.00	54930.00	3889.00	53430.00	4
5	-897.00	64450.00	13840.00	74740.00	4328.00	75430.00	5
6	-4488.00	97580.00	-5976.00	103600.00	-12740.00	114900.00	6
7	-8072.00	127100.00	2136.00	148600.00	-2856.00	136500.00	7
9	-4478.00	27750.00	-1914.00	29270.00	-15870.00	30980.00	9
10	13420.00	84140.00	-14080.00	98160.00	-1056.00	100600.00	10
11	9832.00	78780.00	-18580.00	89150.00	2984.00	97430.00	11
12	8936.00	76090.00	-12720.00	86000.00	1184.00	91150.00	12
13	8944.00	87730.00	-12730.00	98600.00	1640.00	103300.00	13
14	11180.00	85490.00	-10030.00	102200.00	3880.00	102800.00	14
15	12980.00	84590.00	776.00	100400.00	10620.00	100600.00	15
16	14100.00	84150.00	2136.00	103600.00	11510.00	101500.00	16
17	16550.00	90860.00	4384.00	110300.00	11510.00	110500.00	17
18	12070.00	91750.00	7080.00	113900.00	10620.00	111400.00	18
19	15210.00	109200.00	7536.00	129700.00	16000.00	126600.00	19
20	7600.00	92660.00	-9576.00	109900.00	-1952.00	112300.00	20
21	8496.00	90860.00	-13180.00	103600.00	-1056.00	107800.00	21
22	5360.00	104700.00	-19480.00	118900.00	-5552.00	125700.00	22
23	9840.00	97570.00	-7776.00	117100.00	-8240.00	119400.00	23
24	1784.00	113700.00	-23980.00	135100.00	-8696.00	138700.00	24
25	-23280.00	118200.00	-26690.00	124300.00	-4648.00	132900.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	74770.00	3472.00	79120.00	70430.00	-1313.00	9097.00	1
2	228900.00	7376.00	238000.00	207600.00	-522.00	32830.00	2
3	235800.00	12590.00	257100.00	207600.00	-19110.00	38760.00	3
4	239300.00	40370.00	304000.00	198900.00	-1709.00	36390.00	4
5	270000.00	10000.00	273600.00	203300.00	17270.00	59320.00	5
6	228400.00	19970.00	271800.00	164200.00	35460.00	168500.00	6
7	182400.00	74660.00	325700.00	105200.00	20830.00	125400.00	7
9	185500.00	48180.00	261400.00	22690.00	7784.00	12660.00	9
10	300500.00	14760.00	374300.00	272700.00	8960.00	75540.00	10
11	248800.00	16060.00	284000.00	230200.00	3829.00	47460.00	11
12	187600.00	12150.00	213700.00	173700.00	3829.00	56160.00	12
13	193700.00	10420.00	225000.00	164200.00	3424.00	82660.00	13
14	252300.00	13460.00	270100.00	228400.00	8968.00	70790.00	14
15	296100.00	19100.00	323100.00	265800.00	11740.00	76730.00	15
16	302200.00	21700.00	334400.00	271800.00	8960.00	82660.00	16
17	301800.00	29090.00	336900.00	272700.00	9360.00	88590.00	17
18	310500.00	32550.00	343000.00	271000.00	8560.00	88590.00	18
19	295300.00	28650.00	336100.00	266600.00	21620.00	101600.00	19
20	238800.00	19100.00	269200.00	173700.00	-928.00	91760.00	20
21	204100.00	18230.00	249300.00	146000.00	-928.00	94130.00	21
22	265300.00	25620.00	324800.00	162400.00	10540.00	97700.00	22
23	257100.00	19960.00	301400.00	154600.00	6584.00	97690.00	23
24	243200.00	39060.00	347400.00	177200.00	9360.00	156600.00	24
25	310900.00	36460.00	362100.00	157200.00	-4880.00	125000.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-547.00	8456.00	-5165.00	7637.00	4249.00	5893.00	1
2	1.00	35840.00	-5615.00	31450.00	1077.00	33540.00	2
3	-11420.00	41880.00	-30770.00	31450.00	-9350.00	34000.00	3
4	-10610.00	39460.00	-11010.00	35940.00	-6177.00	36260.00	4
5	-21080.00	61210.00	11910.00	50770.00	-9803.00	48960.00	5
6	-10620.00	185200.00	18180.00	129800.00	6968.00	136400.00	6
7	-23910.00	131700.00	9208.00	107400.00	-14790.00	107400.00	7
9	2674.00	11680.00	-6064.00	10330.00	4703.00	10880.00	9
10	-4176.00	75700.00	-7418.00	69190.00	5149.00	66630.00	10
11	3882.00	44290.00	-7861.00	45370.00	9689.00	40340.00	11
12	-547.50	55970.00	-7412.00	53010.00	8329.00	48960.00	12
13	-1360.00	84160.00	-8765.00	74130.00	6056.00	74790.00	13
14	-2968.00	76100.00	-2025.00	64700.00	3336.00	70260.00	14
15	-3376.00	80530.00	-680.00	66940.00	616.00	73880.00	15
16	-2968.00	84150.00	664.00	72780.00	-2104.00	76600.00	16
17	-2968.00	86570.00	-232.00	79060.00	-3464.00	78870.00	17
18	-3376.00	86980.00	-680.00	80410.00	-3464.00	78870.00	18
19	-3776.00	105900.00	11450.00	87160.00	3336.00	93830.00	19
20	-4176.00	92610.00	-9464.00	83100.00	616.00	82950.00	20
21	-11830.00	86570.00	-11020.00	84460.00	-6184.00	77060.00	21
22	-8608.00	97840.00	664.00	88950.00	-6184.00	88840.00	22
23	-9416.00	96230.00	-1576.00	87610.00	-7088.00	88850.00	23
24	-7808.00	159900.00	-26740.00	143300.00	-5280.00	147800.00	24
25	-17460.00	129300.00	-4272.00	122600.00	-14340.00	123300.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	259.30	259.40	259.20	1.01	1.01	1.00	1
2	264.70	264.90	263.90	1.01	1.02	.98	2
3	264.00	264.90	263.30	1.00	1.04	.97	3
4	264.50	264.90	263.90	1.00	1.03	.98	4
5	263.70	265.30	263.30	.97	1.02	.96	5
6	265.30	266.40	263.10	.98	1.09	.88	6
7	264.50	265.10	262.90	.99	1.03	.96	7
9	297.30	359.60	240.20	1.00	1.02	.99	9
10	263.80	265.10	262.80	1.08	1.14	.98	10
11	264.30	264.60	263.70	1.02	1.06	.97	11
12	265.30	265.40	264.40	1.02	1.05	.94	12
13	263.70	265.10	262.60	.90	1.11	.87	13
14	264.10	264.40	263.70	.98	1.08	.93	14
15	264.30	264.60	263.70	1.05	1.07	.95	15
16	264.30	264.60	263.90	1.05	1.06	.96	16
17	263.90	264.40	263.70	.98	1.06	.94	17
18	264.20	264.30	264.10	.98	1.02	.97	18
19	263.70	264.60	263.10	1.00	1.23	.96	19
20	263.20	266.20	262.00	1.12	1.36	.98	20
21	264.20	265.60	262.80	1.13	1.31	.90	21
22	266.10	267.20	262.60	1.15	1.60	.85	22
23	262.60	266.80	261.40	1.38	1.53	1.00	23
24	266.30	268.60	260.70	1.36	1.91	.97	24
25	264.60	267.20	261.80	1.25	1.79	1.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	1.20	1.28	1.12	5.75	5.83	5.67	1
2	-.50	-.18	-1.15	6.54	7.33	5.75	2
3	-1.47	.63	-1.96	5.12	6.67	3.66	3
4	-.42	.47	-1.31	5.67	7.33	3.58	4
5	.47	1.77	-.01	5.08	6.92	4.58	5
6	-1.39	.31	-3.42	4.00	8.09	3.33	6
7	2.58	4.20	-.82	5.71	7.58	4.58	7
9	.07	.15	-.01	.74	1.49	-.09	9
10	-.74	1.44	-1.96	-3.34	3.25	-17.86	10
11	-.34	-.01	-.82	2.54	3.08	.74	11
12	-.34	.80	-.50	2.24	3.33	1.66	12
13	-.18	1.77	-.34	.41	.83	-4.10	13
14	-.26	.47	-1.15	-2.05	-1.34	-2.59	14
15	-.26	1.93	-1.47	-3.68	-3.34	-4.76	15
16	-.18	.31	-.82	-5.18	-4.01	-6.01	16
17	-.50	.80	-1.47	-3.68	-1.34	-6.77	17
18	1.28	1.61	.47	-7.98	-7.77	-8.35	18
19	-.01	.31	-1.15	-.38	2.75	-2.18	19
20	7.93	33.70	-3.09	7.84	9.75	-4.18	20
21	-20.44	3.55	-38.11	.16	1.66	-2.43	21
22	-19.71	-1.15	-50.10	3.33	5.16	-1.93	22
23	15.79	45.04	-.34	-.38	4.41	-3.93	23
24	-30.73	2.58	-56.42	-.67	9.00	-3.18	24
25	18.30	57.36	.80	.28	7.58	-2.51	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TMGW 20800 TMCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	293200.00	20250.00	355700.00	233300.00	-6672.00	82740.00	1
2	317300.00	12500.00	334100.00	295400.00	-8480.00	80930.00	2
3	310900.00	11200.00	334100.00	291900.00	-5320.00	78660.00	3
4	313500.00	11200.00	332400.00	293600.00	-8032.00	79570.00	4
5	300500.00	7760.00	317800.00	288500.00	-13900.00	79120.00	5
6	310500.00	9048.00	319500.00	291900.00	-7576.00	79110.00	6
7	323400.00	11630.00	328500.00	311700.00	-3050.00	41140.00	7
9	312600.00	14650.00	332400.00	293600.00	-3955.00	46560.00	9
10	310500.00	13350.00	326400.00	291900.00	-3502.00	43400.00	10
11	288900.00	15080.00	306600.00	266100.00	-4406.00	49730.00	11
12	258300.00	14650.00	279900.00	242000.00	-4406.00	60580.00	12
13	260000.00	13790.00	279900.00	242800.00	-8482.00	62850.00	13
14	204000.00	14650.00	219600.00	182500.00	-5313.00	66910.00	14
15	194100.00	15080.00	221300.00	177300.00	-4413.00	65110.00	15
16	200200.00	15080.00	223000.00	178200.00	-4406.00	56060.00	16
17	235900.00	17230.00	257500.00	212700.00	-4406.00	45210.00	17
18	206200.00	13350.00	219600.00	186000.00	-5765.00	66460.00	18
19	220400.00	23260.00	244500.00	186800.00	-8032.00	77760.00	19
20	222100.00	25850.00	257500.00	173900.00	-7120.00	79570.00	20
21	129100.00	14650.00	143700.00	109300.00	-2146.00	56510.00	21
22	92900.00	12060.00	106700.00	57570.00	1923.00	48830.00	22
23	81020.00	12060.00	79100.00	34310.00	1923.00	44300.00	23
24	233300.00	18100.00	240000.00	51540.00	-3960.00	71880.00	24
25	203600.00	18530.00	224700.00	168700.00	-5320.00	73240.00	25
26	222600.00	32310.00	259200.00	167900.00	-1696.00	81380.00	26
27	232000.00	26280.00	271200.00	169600.00	-344.00	81830.00	27
28	219100.00	16800.00	237600.00	197200.00	-9838.00	66910.00	28
29	210500.00	15080.00	229000.00	190300.00	-4865.00	64660.00	29
30	197200.00	13790.00	219600.00	183400.00	5992.00	64650.00	30
31	193700.00	22410.00	221300.00	168700.00	10500.00	77300.00	31
32	214000.00	44370.00	258300.00	150600.00	-5766.00	62840.00	32
33	215700.00	23700.00	241100.00	172200.00	10050.00	77760.00	33
34	192800.00	12920.00	209200.00	162700.00	-7122.00	65100.00	34
35	203200.00	31880.00	246300.00	156700.00	-1248.00	75500.00	35
36	215700.00	37480.00	274700.00	166100.00	-6216.00	78660.00	36
37	250100.00	35760.00	285900.00	167900.00	-9384.00	80020.00	37
38	217000.00	31020.00	254900.00	128200.00	-2600.00	78660.00	38
39	162700.00	19820.00	244500.00	142900.00	-5768.00	76410.00	39
40	184700.00	29730.00	254900.00	142900.00	112.00	79570.00	40
41	-37420.00	1939.00	-35480.00	-39360.00	5540.00	38880.00	41
42	-32040.00	5170.00	-26870.00	-39360.00	4184.00	40240.00	42
43	-33540.00	5816.00	-24280.00	-39360.00	9156.00	49730.00	43
44	-33970.00	5386.00	-28590.00	-39360.00	22720.00	50630.00	44
45	-36990.00	2370.00	-34620.00	-39360.00	2827.00	42500.00	45
46	-29670.00	9694.00	-14800.00	-39360.00	20900.00	92220.00	46
47	293700.00	13780.00	317800.00	267800.00	-3954.00	43850.00	47
48	296700.00	14220.00	320400.00	266900.00	-2598.00	52440.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	276400.00	14650.00	316900.00	261800.00	1471.00	55610.00	49
50	268700.00	54280.00	340200.00	204900.00	-5311.00	52440.00	50
51	307900.00	51260.00	370300.00	221300.00	560.00	75500.00	51
52	-27510.00	11850.00	8462.00	-39360.00	-13000.00	86340.00	52
53	-28800.00	10560.00	3292.00	-39360.00	-6672.00	79120.00	53
54	-13080.00	10340.00	3292.00	-39360.00	-9386.00	61940.00	54
55	-26000.00	12060.00	-13940.00	-39360.00	-8032.00	77760.00	55
56	-31820.00	7540.00	-20830.00	-39360.00	-13000.00	70070.00	56
57	-30530.00	8832.00	-15660.00	-39360.00	-3960.00	75500.00	57
58	-30100.00	9263.00	-1016.00	-39360.00	-16170.00	90420.00	58
59	-21050.00	18310.00	-155.00	-39360.00	-13460.00	91330.00	59
60	343600.00	25850.00	377200.00	304800.00	2368.00	87250.00	60
61	194100.00	32310.00	287600.00	-39360.00	1016.00	82280.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	9840.00	83250.00	-19030.00	102200.00	3432.00	99690.00	1
2	5808.00	83700.00	-7776.00	94560.00	-2856.00	101500.00	2
3	4912.00	83700.00	-12280.00	91850.00	-1952.00	99680.00	3
4	5360.00	81460.00	-11820.00	92300.00	744.00	96090.00	4
5	8944.00	79660.00	-10480.00	91860.00	3432.00	94300.00	5
6	9392.00	81010.00	-11820.00	92300.00	2536.00	96090.00	6
7	8055.00	36700.00	-5516.00	48180.00	2990.00	46250.00	7
9	8950.00	43860.00	-8668.00	54930.00	3440.00	54780.00	9
10	8950.00	40280.00	-7317.00	50880.00	3440.00	49390.00	10
11	7608.00	46100.00	-8217.00	57180.00	2542.00	56580.00	11
12	8950.00	55500.00	-8220.00	70690.00	744.00	67350.00	12
13	5810.00	61310.00	-14080.00	72950.00	-1952.00	70940.00	13
14	7155.00	65340.00	-12720.00	77900.00	-1056.00	79020.00	14
15	6706.00	63100.00	-10930.00	76990.00	-1056.00	76340.00	15
16	7607.00	51470.00	-9576.00	63940.00	-3296.00	61520.00	16
17	4922.00	44310.00	-12720.00	52680.00	-1500.00	48940.00	17
18	8050.00	65340.00	-11370.00	76550.00	-608.00	77680.00	18
19	7152.00	80560.00	-15880.00	90950.00	-1064.00	96090.00	19
20	7600.00	79220.00	-14530.00	93200.00	-1504.00	97440.00	20
21	9398.00	53260.00	-4168.00	64840.00	2092.00	61520.00	21
22	11640.00	43860.00	-4165.00	55830.00	3889.00	52530.00	22
23	11190.00	41620.00	-4615.00	51780.00	5236.00	49390.00	23
24	10290.00	70270.00	-9576.00	83750.00	2080.00	85760.00	24
25	5360.00	73410.00	-12730.00	86900.00	-2856.00	88900.00	25
26	5808.00	78320.00	-8680.00	94550.00	-2400.00	92940.00	26
27	12070.00	80120.00	-7328.00	99500.00	1640.00	101500.00	27
28	3120.00	69380.00	-16330.00	77900.00	-2408.00	80380.00	28
29	7153.00	61760.00	-11830.00	75200.00	736.00	75440.00	29
30	3573.00	65340.00	-10470.00	74750.00	-4200.00	80380.00	30
31	17000.00	76090.00	-23980.00	89160.00	15550.00	92050.00	31
32	4922.00	60420.00	-11370.00	72950.00	6128.00	71840.00	32
33	3120.00	81900.00	6184.00	91400.00	-1056.00	83810.00	33
34	5362.00	62650.00	-15880.00	74750.00	-1056.00	77230.00	34
35	5368.00	75190.00	-6872.00	90950.00	-608.00	94740.00	35
36	5360.00	80560.00	-14980.00	93660.00	296.00	95640.00	36
37	11630.00	83250.00	-11380.00	93650.00	15550.00	90260.00	37
38	9384.00	78330.00	-9128.00	93210.00	6128.00	90700.00	38
39	7592.00	76540.00	-12730.00	91400.00	1192.00	95640.00	39
40	8048.00	81460.00	-6872.00	94550.00	4776.00	96540.00	40
41	10740.00	37600.00	-3715.00	46380.00	4786.00	43550.00	41
42	11190.00	38040.00	-3265.00	48630.00	7930.00	44900.00	42
43	8503.00	52370.00	3940.00	59430.00	4786.00	60620.00	43
44	21480.00	55500.00	20590.00	58080.00	23190.00	61960.00	44
45	10290.00	40730.00	-3715.00	49980.00	5685.00	48940.00	45
46	-4040.00	89960.00	16100.00	102200.00	-10040.00	100600.00	46
47	7160.00	42970.00	-4165.00	50430.00	2093.00	49840.00	47
48	13430.00	52810.00	-3715.00	59880.00	16460.00	60610.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20800 TOCG 22.4 FWD FLIGHT DATE 03/02/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	16110.00	55490.00	5734.00	63930.00	18700.00	68240.00	49
50	893.50	53710.00	-10470.00	58540.00	-4645.00	61070.00	50
51	7152.00	82350.00	-4624.00	86000.00	3888.00	92050.00	51
52	4912.00	98860.00	-23380.00	104500.00	-4200.00	111800.00	52
53	10730.00	76980.00	-16330.00	90500.00	3432.00	92500.00	53
54	6260.00	66240.00	-16330.00	74300.00	-1960.00	81720.00	54
55	3128.00	76540.00	-12270.00	95460.00	-14930.00	94740.00	55
56	-3592.00	76090.00	-19480.00	86460.00	-15870.00	92940.00	56
57	8936.00	76090.00	-12730.00	90500.00	-608.00	94740.00	57
58	2672.00	99360.00	-23540.00	115700.00	-9592.00	125300.00	58
59	-2248.00	94440.00	-20380.00	117100.00	-11840.00	120300.00	59
60	15660.00	83700.00	328.00	102700.00	12860.00	101900.00	60
61	10740.00	83250.00	-5528.00	96810.00	6128.00	96990.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200ALT	49200SDY	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	14320.00	302700.00	343000.00	198900.00	4223.00	64470.00	1
2	8680.00	326500.00	343900.00	309200.00	7376.00	74750.00	2
3	8680.00	319600.00	336900.00	307400.00	8177.00	71580.00	3
4	9120.00	309600.00	325700.00	290100.00	7386.00	72370.00	4
5	6944.00	310900.00	328300.00	304000.00	6991.00	67230.00	5
6	8248.00	318300.00	332600.00	306600.00	6200.00	68020.00	6
7	6080.00	311800.00	319600.00	299600.00	5015.00	19380.00	7
9	6512.00	307000.00	326500.00	300500.00	5806.00	23340.00	9
10	7808.00	309200.00	320400.00	297000.00	5411.00	18980.00	10
11	7808.00	292800.00	309200.00	282300.00	5015.00	21750.00	11
12	7376.00	279200.00	290900.00	270100.00	4620.00	33220.00	12
13	6944.00	278800.00	287500.00	266600.00	2247.00	32430.00	13
14	10860.00	249700.00	262300.00	234500.00	1456.00	29270.00	14
15	9120.00	251400.00	267500.00	238000.00	1851.00	28870.00	15
16	10860.00	287000.00	301400.00	261400.00	4224.00	28080.00	16
17	9112.00	307000.00	317000.00	290900.00	3433.00	32830.00	17
18	6944.00	244100.00	263200.00	233600.00	664.50	33220.00	18
19	10850.00	255800.00	269200.00	238800.00	1851.00	35990.00	19
20	13890.00	251000.00	294400.00	236200.00	-1313.00	42320.00	20
21	9552.00	215400.00	226700.00	203300.00	-126.50	37180.00	21
22	7384.00	162900.00	173700.00	133800.00	-522.00	32040.00	22
23	8248.00	135100.00	143400.00	102600.00	2247.00	29270.00	23
24	11280.00	225000.00	295300.00	139000.00	-3291.00	45880.00	24
25	11280.00	248400.00	268400.00	216300.00	-1313.00	39160.00	25
26	19100.00	274400.00	326500.00	220600.00	-3291.00	40340.00	26
27	16930.00	291400.00	320400.00	254500.00	-2895.00	47070.00	27
28	14760.00	251000.00	271800.00	235400.00	-2104.00	41530.00	28
29	10420.00	242300.00	256200.00	226700.00	-917.50	26890.00	29
30	9112.00	246200.00	255300.00	229300.00	664.50	32430.00	30
31	13970.00	247500.00	267500.00	225000.00	-3686.00	41530.00	31
32	36900.00	228000.00	282300.00	191100.00	-2500.00	35600.00	32
33	24740.00	244500.00	276200.00	213700.00	-1709.00	40340.00	33
34	13020.00	251900.00	264900.00	226700.00	-1709.00	27690.00	34
35	35590.00	280500.00	316100.00	211100.00	-522.00	32040.00	35
36	46450.00	284400.00	333500.00	225000.00	-2104.00	33620.00	36
37	32550.00	304400.00	336900.00	211100.00	-1709.00	36390.00	37
38	21700.00	231000.00	313500.00	198900.00	-2500.00	52210.00	38
39	16500.00	263200.00	294400.00	205900.00	-3291.00	53000.00	39
40	16500.00	255300.00	282300.00	219700.00	-5268.00	54180.00	40
41	4775.00	31810.00	37450.00	23560.00	1851.00	31250.00	41
42	7380.00	32670.00	40920.00	15750.00	2247.00	25310.00	42
43	6077.00	27900.00	40050.00	16610.00	4620.00	49040.00	43
44	10420.00	25640.00	42660.00	14010.00	3038.00	37970.00	44
45	9984.00	33540.00	53940.00	23560.00	3829.00	31640.00	45
46	15630.00	42660.00	58280.00	2724.00	29130.00	107600.00	46
47	11290.00	257100.00	273600.00	235400.00	-3291.00	34010.00	47
48	12580.00	256600.00	284900.00	231000.00	-14760.00	36780.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20K00 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49200ALT	49200SDY	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	19530.00	25600.00	287500.00	229300.00	-4873.00	36390.00	49
50	52520.00	27500.00	330000.00	205900.00	-2500.00	40340.00	50
51	47310.00	25600.00	340400.00	187600.00	-136.00	69610.00	51
52	18670.00	23990.00	69570.00	-18980.00	-9624.00	84630.00	52
53	16930.00	31810.00	62630.00	5328.00	-2904.00	69210.00	53
54	12590.00	39620.00	58280.00	12270.00	-2895.00	66050.00	54
55	12590.00	19650.00	39190.00	4460.00	-12390.00	62100.00	55
56	17360.00	26160.00	43530.00	8801.00	-12390.00	57350.00	56
57	13890.00	20950.00	46130.00	3592.00	-5664.00	63280.00	57
58	19970.00	32240.00	80850.00	5328.00	-11600.00	73170.00	58
59	32560.00	73480.00	106000.00	-10300.00	-4086.00	65660.00	59
60	22570.00	314400.00	336900.00	269200.00	7376.00	78700.00	60
61	39500.00	253200.00	354300.00	14880.00	-9624.00	67240.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TOGW 20.00 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-949.50	62010.00	-3818.00	60200.00	169.50	55300.00	1
2	-6600.00	74090.00	-1584.00	68740.00	-3009.00	63920.00	2
3	-4176.00	70060.00	-1577.00	64250.00	1530.00	60290.00	3
4	-3376.00	70060.00	-1574.00	66040.00	2890.00	60740.00	4
5	-2161.00	64830.00	-1572.00	60650.00	3343.00	55760.00	5
6	-2561.00	65230.00	-2919.00	61100.00	2890.00	56210.00	6
7	-3769.00	18930.00	2472.00	23360.00	169.50	18130.00	7
9	-2963.00	21340.00	2023.00	26510.00	-737.00	20850.00	9
10	-3366.00	17720.00	2023.00	22910.00	-737.00	17230.00	10
11	-3366.00	20130.00	226.00	23810.00	1076.00	19950.00	11
12	-5782.00	29800.00	225.50	33690.00	-2097.00	28560.00	12
13	-5782.00	29800.00	226.00	32800.00	-5270.00	29920.00	13
14	-4574.00	29390.00	-672.50	30100.00	-2097.00	29460.00	14
15	-547.50	29390.00	-2919.00	29650.00	1529.00	29460.00	15
16	-2963.00	30200.00	1574.00	24260.00	-283.50	26740.00	16
17	-4977.00	33020.00	2023.00	31000.00	-2097.00	30370.00	17
18	-6990.00	31810.00	-673.00	31000.00	-2551.00	31730.00	18
19	-6587.00	38560.00	-2470.00	35490.00	-3004.00	37620.00	19
20	-6185.00	45500.00	-2470.00	41780.00	-5724.00	43970.00	20
21	-2158.00	34640.00	-4267.00	36390.00	1983.00	35360.00	21
22	-547.50	29390.00	-1571.00	32800.00	4703.00	27200.00	22
23	-1353.00	29390.00	-1571.00	29200.00	4703.00	25380.00	23
24	-2561.00	43490.00	-6513.00	44030.00	-283.50	43970.00	24
25	-6587.00	41880.00	-1571.00	39980.00	-5270.00	41700.00	25
26	-4171.00	45900.00	-2919.00	42230.00	-2097.00	46690.00	26
27	-7796.00	48720.00	-3818.00	46720.00	-6177.00	49860.00	27
28	-8601.00	40670.00	-3368.00	39980.00	-6630.00	39440.00	28
29	-5379.00	26170.00	-1122.00	26960.00	-2097.00	25840.00	29
30	-9003.00	36240.00	5617.00	31000.00	-7537.00	35810.00	30
31	-6587.00	45900.00	14150.00	43130.00	-8443.00	46690.00	31
32	-8198.00	33820.00	-3369.00	35490.00	-2097.00	32180.00	32
33	258.50	53550.00	-11010.00	35940.00	1983.00	49860.00	33
34	-2963.00	31010.00	-3369.00	26510.00	1077.00	27200.00	34
35	-1755.00	36240.00	-2021.00	29650.00	623.00	33090.00	35
36	-4574.00	38250.00	-5165.00	31000.00	-2097.00	35810.00	36
37	-9003.00	38660.00	1125.00	33690.00	-7083.00	37170.00	37
38	-4977.00	51540.00	-3818.00	49420.00	-3457.00	51680.00	38
39	-9406.00	52750.00	-5615.00	49420.00	-7990.00	52580.00	39
40	-9809.00	55570.00	-7861.00	52560.00	-13890.00	54850.00	40
41	-6990.00	32620.00	-223.50	26060.00	3343.00	28560.00	41
42	-4977.00	27380.00	-1122.00	21560.00	1530.00	22210.00	42
43	-6185.00	5 330.00	226.00	39980.00	3343.00	39440.00	43
44	-8198.00	39460.00	2023.00	29200.00	169.50	31730.00	44
45	-5782.00	34630.00	-3818.00	27850.00	2889.00	28100.00	45
46	-27540.00	107100.00	18630.00	89850.00	-11620.00	82500.00	46
47	-4574.00	35030.00	-3368.00	31000.00	-2551.00	31730.00	47
48	-13430.00	39860.00	1124.00	32800.00	-9803.00	33540.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	-6587.00	41070.00	-3368.00	36390.00	-18420.00	34900.00	49
50	-6587.00	39460.00	-3369.00	37290.00	-284.00	35810.00	50
51	-152.00	64840.00	-6517.00	60200.00	3343.00	56660.00	51
52	-152.00	77300.00	-15950.00	80420.00	1976.00	77060.00	52
53	7501.00	68850.00	-7867.00	63350.00	3338.00	63910.00	53
54	-2969.00	63220.00	-10560.00	61550.00	6969.00	58480.00	54
55	4480.00	62810.00	-18200.00	59310.00	1530.00	62100.00	55
56	-2963.00	57580.00	-18650.00	57960.00	-1190.00	60290.00	56
57	7499.00	62410.00	-14160.00	61550.00	8327.00	62550.00	57
58	-7801.00	68060.00	-16400.00	73680.00	-3920.00	71170.00	58
59	5088.00	63220.00	-18640.00	61550.00	623.00	60290.00	59
60	-3776.00	8930.00	-232.00	70090.00	-4368.00	71620.00	60
61	6693.00	68040.00	-15050.00	63350.00	1530.00	62100.00	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	262.80	265.10	262.60	.99	1.12	.94	1
2	264.30	264.40	263.70	1.07	1.11	1.02	2
3	264.10	264.60	263.90	.98	1.03	.96	3
4	264.10	264.40	263.90	.95	1.01	.92	4
5	264.10	264.60	263.70	.99	1.04	.96	5
6	264.10	264.40	263.70	1.02	1.03	.99	6
7	264.10	264.30	263.90	.98	1.01	.98	7
9	262.30	262.40	261.80	1.01	1.02	.99	9
10	259.10	259.20	258.60	.98	1.01	.97	10
11	263.20	263.50	263.10	1.01	1.02	.99	11
12	264.00	264.30	263.70	1.00	1.02	.98	12
13	263.80	264.30	263.70	.99	1.02	.97	13
14	263.80	263.90	263.70	.99	1.01	.97	14
15	263.70	264.10	263.50	1.01	1.02	.98	15
16	263.80	263.90	263.50	.99	1.02	.99	16
17	263.40	263.70	263.30	.99	1.00	.98	17
18	264.20	264.30	263.70	.99	.99	.97	18
19	263.80	264.40	263.70	1.02	1.03	.98	19
20	263.80	264.40	262.90	1.03	1.07	.97	20
21	263.20	263.70	263.10	1.01	1.02	1.01	21
22	265.60	265.80	264.90	.93	.97	.92	22
23	265.40	266.80	265.30	.93	.98	.90	23
24	261.30	263.70	259.80	1.04	1.09	1.01	24
25	264.20	264.60	263.30	.94	1.08	.92	25
26	263.60	265.30	263.10	1.13	1.18	.96	26
27	263.90	264.40	262.90	1.10	1.19	1.03	27
28	263.50	263.90	263.30	1.04	1.05	1.01	28
29	263.80	264.10	263.70	.99	1.01	.98	29
30	263.30	263.90	263.10	.98	1.00	.96	30
31	263.50	263.70	262.90	1.03	1.05	1.01	31
32	264.00	264.30	263.50	.97	.99	.91	32
33	263.10	264.40	262.20	.96	1.02	.90	33
34	266.50	268.40	263.70	1.01	1.05	.99	34
35	263.10	268.60	262.00	1.05	1.22	.90	35
36	264.30	268.40	262.00	1.08	1.24	.92	36
37	263.70	268.80	262.60	1.09	1.24	.91	37
38	263.60	264.60	262.90	1.06	1.17	.90	38
39	264.00	264.30	262.80	.98	1.16	.87	39
40	264.80	265.40	263.10	1.06	1.19	.87	40
41	276.70	277.60	275.40	1.02	1.04	.98	41
42	276.50	279.30	269.10	.97	1.15	.93	42
43	272.10	278.00	268.90	1.04	1.14	.95	43
44	275.60	276.70	270.80	.98	1.03	.96	44
45	276.50	279.30	273.40	1.03	1.08	.97	45
46	266.80	269.10	266.00	.97	1.02	.91	46
47	264.10	264.40	263.50	.98	.99	.96	47
48	263.90	264.30	263.10	1.01	1.02	.98	48

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CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	263.50	264.30	263.30	.98	1.01	.96	49
50	264.30	264.90	263.30	1.00	1.03	.96	50
51	262.80	264.40	262.40	.98	1.02	.95	51
52	279.10	282.50	270.10	1.41	1.54	.91	52
53	273.70	280.30	262.60	.99	1.43	.93	53
54	265.60	266.00	261.80	.90	1.08	.84	54
55	276.70	277.30	275.40	1.01	1.06	.99	55
56	274.10	274.40	273.20	.99	1.07	.90	56
57	272.90	273.80	272.40	1.02	1.06	.99	57
58	287.40	294.10	261.10	1.26	1.49	.65	58
59	280.00	283.60	264.10	1.57	1.81	.85	59
60	263.90	264.40	263.70	.95	1.09	.88	60
61	259.60	270.60	254.60	1.05	1.19	.90	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	.96	2.26	-2.93	3.79	6.00	-8.18	1
2	1.44	1.77	1.12	1.45	1.99	.49	2
3	.96	1.12	-.01	-1.05	-.09	-1.43	3
4	1.28	1.77	.63	-1.01	-.34	-2.09	4
5	.96	1.12	.15	1.74	1.99	1.08	5
6	.15	.31	-.01	1.49	1.83	1.08	6
7	1.12	1.77	.96	6.21	6.92	5.42	7
9	.88	1.44	.47	5.54	6.83	5.33	9
10	-.18	.47	-.82	6.13	6.92	5.25	10
11	.47	.80	.15	5.83	6.33	4.75	11
12	-.01	1.12	-.18	4.62	5.08	2.91	12
13	.47	2.26	-.01	2.49	4.08	1.91	13
14	1.69	2.09	1.61	5.00	5.58	3.58	14
15	.80	.96	.31	5.21	5.50	3.41	15
16	.23	.47	-.50	6.04	6.67	5.00	16
17	.15	.31	-.01	7.08	7.67	6.33	17
18	-.82	-.34	-1.15	2.70	4.41	2.33	18
19	-.50	.47	-1.47	4.46	5.25	4.00	19
20	8.66	12.14	1.44	6.21	11.34	4.66	20
21	-.34	.15	-.50	5.46	5.83	4.91	21
22	-.34	-.18	-.66	4.66	4.91	4.00	22
23	.47	.96	-.50	5.25	5.58	4.66	23
24	.88	3.23	.31	4.54	7.08	2.58	24
25	-3.42	3.88	-14.76	7.25	13.26	6.67	25
26	-11.44	3.23	-30.65	11.51	12.51	4.83	26
27	3.47	28.19	.15	8.71	10.34	4.75	27
28	-1.64	-1.31	-2.61	4.46	5.50	3.33	28
29	.88	1.93	.63	4.41	4.58	3.91	29
30	-.10	.96	-.66	2.16	2.41	.83	30
31	-.34	.31	-1.31	4.12	4.66	3.75	31
32	-.58	-.34	-1.15	1.12	2.75	.66	32
33	-.99	-.18	-1.31	3.45	3.66	3.25	33
34	.88	1.12	-.01	5.04	5.75	4.66	34
35	.80	1.28	-.34	4.33	5.16	2.91	35
36	-1.96	-.50	-2.12	2.91	3.91	2.16	36
37	-.42	.15	-.66	4.37	4.75	3.33	37
38	.23	.80	-1.31	9.00	12.42	.08	38
39	.72	1.12	-1.80	5.46	11.76	-.26	39
40	-2.77	.63	-3.26	-.01	9.25	-7.68	40
41	-.01	.47	-.50	6.50	6.67	6.25	41
42	-9.17	-7.63	-15.09	7.59	8.92	5.75	42
43	10.03	20.73	2.09	8.96	10.34	7.50	43
44	-.58	-.01	-1.96	8.67	9.17	7.84	44
45	-.34	-.18	-.99	7.75	8.34	5.75	45
46	-1.07	.31	-1.80	6.42	6.75	6.08	46
47	-.99	-.34	-1.31	5.37	5.92	4.66	47
48	-1.72	-.01	-2.93	4.66	5.42	4.00	48

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-.10	.47	-2.28	4.83	5.33	4.25	49
50	-.82	-.34	-.99	4.62	6.17	3.16	50
51	-.74	-.18	-1.80	6.00	6.58	5.33	51
52	-10.55	-.66	-48.15	5.75	7.50	-1.68	52
53	18.22	44.39	2.09	5.92	9.09	-14.52	53
54	-.58	-.01	-1.15	-2.05	.74	-5.51	54
55	-2.77	-.50	-4.39	3.75	4.25	3.58	55
56	-.50	-.01	-.82	3.50	4.08	2.58	56
57	-.42	.31	-.99	4.08	4.75	3.25	57
58	.88	1.44	-.82	3.58	14.93	.74	58
59	-.34	.96	-1.80	2.45	3.41	-1.68	59
60	-.66	.15	-1.47	-6.64	-5.01	-7.27	60
61	-2.04	3.88	-3.74	5.83	22.10	-1.01	61

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	183400.00	24980.00	246300.00	104100.00	-1696.00	83180.00	2
3	218300.00	29730.00	276400.00	133400.00	-2600.00	80470.00	3
4	102400.00	36190.00	323800.00	43790.00	1008.00	94030.00	4
5	220400.00	23260.00	284200.00	130800.00	112.00	88610.00	5
6	208800.00	29730.00	327300.00	121300.00	-1704.00	105800.00	6
7	289800.00	30590.00	327300.00	99790.00	3272.00	96300.00	7
8	181200.00	15940.00	209200.00	46370.00	-9832.00	87700.00	8
9	234600.00	53850.00	346000.00	148900.00	-24760.00	110800.00	9
10	201500.00	32740.00	309200.00	155800.00	-9392.00	111700.00	10
11	333700.00	66780.00	400500.00	199700.00	-4416.00	108500.00	11
12	258300.00	33610.00	344500.00	209200.00	-7584.00	106200.00	12
13	304400.00	35750.00	384100.00	254000.00	2816.00	95840.00	13
14	304400.00	34900.00	372900.00	253200.00	-15260.00	112100.00	14
15	314800.00	28860.00	364300.00	265200.00	8696.00	98100.00	15
16	302700.00	18530.00	333300.00	279900.00	3728.00	88610.00	16
17	341900.00	24130.00	367800.00	304000.00	3720.00	91320.00	17
18	287200.00	24550.00	311700.00	251400.00	21360.00	83630.00	18
19	247400.00	35760.00	306600.00	231600.00	7344.00	84990.00	19
20	279000.00	36190.00	325500.00	232500.00	6888.00	86340.00	20
21	300100.00	24560.00	324700.00	242000.00	27230.00	94940.00	21
22	329400.00	28860.00	366900.00	300500.00	15020.00	92670.00	22
23	338000.00	42650.00	390200.00	283300.00	5536.00	92220.00	23
24	332900.00	48680.00	393600.00	273800.00	47120.00	129300.00	24
25	184200.00	19820.00	215200.00	158400.00	1464.00	80920.00	25
26	141600.00	11630.00	154100.00	126500.00	1920.00	72340.00	26
27	66460.00	9474.00	75660.00	51540.00	5540.00	59680.00	27
28	212700.00	21540.00	276400.00	53270.00	-4864.00	92670.00	28
29	298400.00	15080.00	329800.00	283300.00	-3502.00	38880.00	29
30	-14800.00	16370.00	102400.00	-39360.00	-6672.00	92670.00	30
31	-12650.00	14220.00	87730.00	-39360.00	7792.00	77310.00	31
32	13630.00	13790.00	97420.00	-2740.00	29950.00	64190.00	32
33	10190.00	11200.00	21390.00	-5324.00	-3053.00	63750.00	33
34	11050.00	17230.00	28280.00	-21700.00	9600.00	97200.00	34
35	45510.00	10340.00	55850.00	-1016.00	10960.00	60580.00	35
36	8031.00	22830.00	91170.00	-39360.00	-2152.00	73690.00	36
37	-4894.00	28000.00	91730.00	-35480.00	-9832.00	91320.00	37
38	222100.00	24980.00	267800.00	43790.00	-2152.00	74600.00	38
39	235900.00	29300.00	280700.00	24830.00	-792.00	80470.00	39
40	219600.00	32740.00	316900.00	-33760.00	-7120.00	83180.00	40
41	126500.00	25850.00	268700.00	58440.00	2824.00	78660.00	41
42	147000.00	31880.00	247100.00	68770.00	5540.00	46110.00	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	15660.00	83700.00	-17230.00	97710.00	8368.00	101000.00	2
3	14310.00	80570.00	-13180.00	94550.00	6128.00	98780.00	3
4	19240.00	92650.00	-9128.00	110300.00	14210.00	105100.00	4
5	16550.00	86380.00	-7320.00	104000.00	9264.00	107300.00	5
6	19680.00	98460.00	-7328.00	124700.00	12420.00	119400.00	6
7	16550.00	89060.00	-11380.00	111700.00	10620.00	108700.00	7
8	4464.00	96670.00	-26690.00	106300.00	-2688.00	119000.00	8
9	888.00	122600.00	-37040.00	131900.00	-10940.00	145500.00	9
10	4920.00	110600.00	-21290.00	132400.00	-13630.00	135600.00	10
11	-6720.00	99810.00	-11380.00	125200.00	9712.00	113200.00	11
12	6704.00	109700.00	-19480.00	123400.00	-16330.00	130200.00	12
13	9832.00	93990.00	-16330.00	113000.00	10620.00	107800.00	13
14	-4480.00	116400.00	-23540.00	131000.00	-19920.00	132900.00	14
15	888.00	98470.00	7080.00	113000.00	-5104.00	113600.00	15
16	14770.00	84590.00	-568.00	102700.00	8376.00	102800.00	16
17	12080.00	87280.00	-1016.00	106700.00	8376.00	103700.00	17
18	12520.00	92200.00	2584.00	99510.00	5232.00	119400.00	18
19	9840.00	83250.00	3032.00	99060.00	6120.00	95190.00	19
20	15210.00	79670.00	-120.00	106700.00	7928.00	96090.00	20
21	888.00	96680.00	25540.00	117100.00	-1056.00	108700.00	21
22	17890.00	99360.00	15180.00	118400.00	20490.00	116700.00	22
23	17900.00	91300.00	-568.00	109900.00	14210.00	105100.00	23
24	-5376.00	119100.00	53460.00	146800.00	10620.00	141000.00	24
25	10730.00	78780.00	-6424.00	93210.00	736.00	93390.00	25
26	10290.00	68480.00	-4176.00	82850.00	4784.00	78580.00	26
27	10730.00	59970.00	-2368.00	69340.00	4779.00	69590.00	27
28	11630.00	88620.00	-13180.00	108100.00	2528.00	106900.00	28
29	5369.00	42070.00	-8218.00	47280.00	-1500.00	51640.00	29
30	19240.00	91750.00	-22180.00	109900.00	7920.00	114000.00	30
31	440.00	7740.00	6184.00	82390.00	-4200.00	83060.00	31
32	-4040.00	73850.00	6176.00	73390.00	-10040.00	87110.00	32
33	10740.00	55500.00	-18580.00	81950.00	5677.00	68690.00	33
34	-3592.00	92200.00	-2376.00	109900.00	-14530.00	103300.00	34
35	9841.00	64450.00	1680.00	77890.00	3432.00	79030.00	35
36	3128.00	72950.00	-13620.00	90500.00	-9144.00	88010.00	36
37	6704.00	87280.00	-25340.00	110300.00	-6000.00	106400.00	37
38	10290.00	73840.00	-12730.00	87800.00	-9136.00	92500.00	38
39	11180.00	78330.00	-10020.00	93210.00	-2400.00	91150.00	39
40	7600.00	90860.00	-19940.00	95010.00	-2856.00	107800.00	40
41	17450.00	72060.00	-5976.00	90060.00	-1056.00	87100.00	41
42	-4030.00	51470.00	-1914.00	47280.00	-15420.00	56580.00	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	245400.00	22140.00	303100.00	201500.00	2241C.00	141200.00	2
3	264900.00	27780.00	321300.00	184200.00	2240.00	81470.00	3
4	259200.00	33420.00	313500.00	187600.00	25570.00	156200.00	4
5	288800.00	23870.00	347400.00	170300.00	-3296.00	73570.00	5
6	296100.00	32990.00	377700.00	165100.00	1048.00	108000.00	6
7	240900.00	26040.00	377700.00	180700.00	3432.00	97690.00	7
8	182000.00	18660.00	220600.00	143400.00	1840.00	100100.00	8
9	257500.00	49920.00	402100.00	144200.00	10540.00	105600.00	9
10	283100.00	29510.00	312600.00	199800.00	33880.00	156600.00	10
11	329100.00	59900.00	402100.00	189400.00	14100.00	102800.00	11
12	278800.00	24300.00	333500.00	231900.00	13710.00	114300.00	12
13	281400.00	29520.00	376000.00	247500.00	16080.00	108000.00	13
14	317400.00	29940.00	363000.00	249300.00	15290.00	127800.00	14
15	296200.00	25180.00	326900.00	258000.00	10140.00	94130.00	15
16	292700.00	19100.00	315200.00	270100.00	8960.00	83460.00	16
17	322200.00	19100.00	350800.00	283100.00	12130.00	82660.00	17
18	262700.00	25610.00	297900.00	237100.00	9756.00	72370.00	18
19	279600.00	32990.00	312600.00	231900.00	15300.00	80290.00	19
20	264000.00	33860.00	308300.00	208500.00	656.00	79100.00	20
21	264900.00	36460.00	301400.00	228400.00	17660.00	87410.00	21
22	305700.00	28660.00	338700.00	260600.00	20040.00	88980.00	22
23	306600.00	40800.00	356900.00	249300.00	12130.00	91360.00	23
24	287900.00	59460.00	369100.00	228400.00	37050.00	128900.00	24
25	196800.00	13460.00	218000.00	171100.00	4608.00	77520.00	25
26	149900.00	8248.00	165100.00	141600.00	7386.00	66840.00	26
27	88220.00	12590.00	101700.00	73040.00	-4082.00	60120.00	27
28	235400.00	17360.00	277000.00	73900.00	8176.00	87410.00	28
29	244500.00	8248.00	266600.00	234500.00	4224.00	28870.00	29
30	5762.00	23010.00	150300.00	-31130.00	4608.00	79100.00	30
31	79110.00	19090.00	105200.00	-10300.00	-10020.00	68430.00	31
32	24430.00	17360.00	41790.00	4460.00	18460.00	61300.00	32
33	23990.00	16930.00	40920.00	4460.00	-6455.00	53000.00	33
34	15310.00	15190.00	30500.00	-18110.00	5400.00	91750.00	34
35	52640.00	13460.00	66100.00	7932.00	4620.00	56950.00	35
36	26600.00	30820.00	103400.00	-19850.00	19240.00	85030.00	36
37	22690.00	24310.00	58280.00	-1617.00	13310.00	86220.00	37
38	340000.00	20000.00	307400.00	100800.00	-928.00	77520.00	38
39	320000.00	20000.00	340400.00	98210.00	3032.00	71190.00	39
40	311800.00	32120.00	395100.00	37450.00	-10020.00	72380.00	40
41	231000.00	32990.00	288300.00	131200.00	-2900.00	66840.00	41
42	155900.00	29080.00	204100.00	63490.00	6993.00	34010.00	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TOGW 20300 TOCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	4680.00	137700.00	6960.00	121300.00	20100.00	117000.00	2
3	1456.00	84560.00	-4272.00	73230.00	8328.00	81590.00	3
4	-1360.00	157400.00	6504.00	135200.00	12860.00	130600.00	4
5	6696.00	73690.00	-14610.00	68290.00	-4822.00	70270.00	5
6	-10220.00	112300.00	-2480.00	102900.00	-8448.00	112000.00	6
7	-2168.00	98650.00	-11910.00	90740.00	616.00	90200.00	7
8	-1768.00	110300.00	-6968.00	90300.00	3784.00	100600.00	8
9	-11020.00	107500.00	2016.00	97490.00	-7096.00	97910.00	9
10	-20690.00	163900.00	6960.00	133000.00	9224.00	132400.00	10
11	-15050.00	103500.00	2464.00	88940.00	-17510.00	93830.00	11
12	-15860.00	114000.00	6960.00	105100.00	-13900.00	104700.00	12
13	-10220.00	110700.00	7856.00	96140.00	-6640.00	101100.00	13
14	-2568.00	125400.00	7856.00	114100.00	-7088.00	110600.00	14
15	-11020.00	95420.00	5608.00	83110.00	-1648.00	87940.00	15
16	-3376.00	87780.00	2912.00	73230.00	-1648.00	80690.00	16
17	-4576.00	84960.00	5160.00	77270.00	-2560.00	77060.00	17
18	248.00	78520.00	664.00	67380.00	2880.00	71620.00	18
19	9112.00	76100.00	10560.00	75470.00	11500.00	72980.00	19
20	248.00	83350.00	-8765.00	74130.00	2888.00	78870.00	20
21	-952.00	95830.00	6952.00	83560.00	5152.00	81140.00	21
22	-4176.00	85360.00	17290.00	82210.00	-5280.00	77970.00	22
23	-2168.00	88980.00	4264.00	81770.00	-3008.00	81140.00	23
24	-23500.00	128000.00	18640.00	103300.00	-6184.00	101500.00	24
25	-552.00	81740.00	-6517.00	71880.00	3792.00	75250.00	25
26	648.00	69260.00	-4268.00	64240.00	8322.00	63450.00	26
27	9115.00	59190.00	-16850.00	59760.00	16480.00	56200.00	27
28	-5792.00	89390.00	216.00	82220.00	-5280.00	80690.00	28
29	-2963.00	31010.00	-1571.00	27400.00	1530.00	28560.00	29
30	648.00	78920.00	-22240.00	82220.00	19660.00	72980.00	30
31	5888.00	68850.00	-25380.00	76380.00	14670.00	73430.00	31
32	-1756.00	62010.00	5615.00	64240.00	11040.00	58010.00	32
33	13960.00	43930.00	-18200.00	58410.00	27360.00	52580.00	33
34	-9008.00	99060.00	0.0	80000.00	4696.00	87030.00	34
35	11530.00	57580.00	-9664.00	61550.00	24650.00	59830.00	35
36	-3776.00	83340.00	11450.00	93450.00	6504.00	89750.00	36
37	-2168.00	86570.00	-6072.00	99290.00	9680.00	95650.00	37
38	1056.00	78510.00	-18200.00	71880.00	-744.00	69800.00	38
39	7904.00	68450.00	-6519.00	64700.00	10140.00	63460.00	39
40	2264.00	73290.00	-20900.00	66500.00	6514.00	67090.00	40
41	5491.00	67650.00	-11910.00	61100.00	12400.00	59370.00	41
42	-547.00	37450.00	-8759.00	29200.00	2436.00	31280.00	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	265.90	267.40	262.90	1.17	1.36	.99	2
3	264.30	266.20	262.60	1.15	1.21	.94	3
4	266.60	267.20	262.40	1.27	1.59	.90	4
5	264.60	266.20	262.00	.97	1.35	.91	5
6	265.10	267.00	261.60	1.20	1.68	.86	6
7	266.90	267.40	262.40	.96	1.42	.84	7
8	265.30	268.40	262.60	1.17	1.49	.78	8
9	263.20	273.00	261.10	1.31	1.61	.82	9
10	263.50	266.60	261.40	1.18	1.55	.58	10
11	267.10	271.60	262.00	1.22	1.45	.79	11
12	263.60	265.10	261.60	1.11	1.45	.90	12
13	264.40	265.60	262.80	1.11	1.29	.94	13
14	264.20	265.30	262.80	1.15	1.44	.93	14
15	263.60	265.10	262.90	1.00	1.28	.92	15
16	264.20	264.30	263.50	1.03	1.09	.94	16
17	263.80	264.30	263.30	1.00	1.07	.93	17
18	263.80	265.10	263.30	.91	1.05	.88	18
19	264.20	264.60	263.70	.99	1.08	.94	19
20	264.10	264.40	263.70	1.03	1.11	.94	20
21	262.90	265.30	262.20	.94	1.08	.87	21
22	263.60	264.60	263.30	.98	1.09	.93	22
23	264.10	264.90	263.70	.98	1.11	.87	23
24	263.40	265.10	262.90	1.03	1.17	.89	24
25	263.00	264.30	262.40	1.05	1.09	.95	25
26	264.40	264.90	264.10	.99	1.04	.96	26
27	264.10	264.60	263.70	.94	.99	.93	27
28	263.30	265.10	259.40	1.15	1.31	1.00	28
29	264.10	264.60	263.70	1.00	1.01	.98	29
30	267.10	293.70	256.30	1.08	1.68	.95	30
31	264.50	284.90	256.10	1.33	1.51	.86	31
32	266.30	267.00	264.90	1.02	1.07	.98	32
33	265.80	266.40	264.30	1.06	1.23	.96	33
34	265.90	267.60	265.30	1.11	1.24	1.03	34
35	267.90	268.90	267.00	1.07	1.15	.98	35
36	273.60	284.30	253.70	1.69	1.93	.61	36
37	272.30	273.20	263.90	1.56	1.82	1.02	37
38	264.80	265.40	261.80	.97	1.13	.90	38
39	262.80	266.00	262.20	.97	1.10	.92	39
40	257.70	269.80	255.30	1.04	1.16	.87	40
41	263.10	264.30	262.60	1.01	1.10	.95	41
42	269.80	271.40	265.10	1.00	1.17	.93	42

CHECKED BY:
DATE:

D210-11168-3
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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.15	.47	-.01	.70	1.74	-.84	2
3	.15	.31	-.01	.66	1.74	-.42	3
4	-.01	.47	-.18	.83	1.99	-1.18	4
5	.15	.47	-.01	.62	1.99	-.59	5
6	.31	.47	-.01	.53	1.74	-.84	6
7	.31	.47	-.18	.33	1.99	-.67	7
8	.15	.31	-.01	.83	1.49	-.17	8
9	.07	.15	-.01	.49	1.58	-.17	9
10	.07	.31	-.01	.58	1.49	-.17	10
11	.15	.31	-.01	.70	1.49	-.26	11
12	-.01	.31	-.18	.45	1.83	-.59	12
13	.15	.31	-.01	.70	1.66	-.34	13
14	.15	.31	-.01	.49	1.91	-.67	14
15	.23	.47	-.01	.37	1.83	-.67	15
16	-.01	.15	-.18	.41	1.41	-.17	16
17	.15	.31	-.01	.62	1.49	-.17	17
18	-.01	.31	-.18	.49	1.49	-.51	18
19	.15	.31	-.01	.74	1.49	-.51	19
20	.15	.31	-.01	.62	1.49	-.51	20
21	.07	.31	-.18	.54	1.58	-.26	21
22	-.01	.31	-.18	.66	1.58	-.34	22
23	.07	.31	-.18	.58	1.58	-.34	23
24	-.01	.31	-.18	.66	1.66	-.42	24
25	.07	.15	-.01	.74	1.49	-.17	25
26	.07	.15	-.01	.74	1.49	-.34	26
27	.07	.15	-.01	.58	1.41	-.34	27
28	.15	.31	-.01	.45	1.49	-.51	28
29	.07	.31	-.01	.66	1.49	-.09	29
30	.07	.47	-.18	.24	1.66	-.93	30
31	-.01	.31	-.18	.66	1.83	-.51	31
32	.15	.31	-.01	.33	1.58	-.42	32
33	.07	.31	-.18	.49	1.49	-.51	33
34	.07	.15	-.01	.74	1.49	-.59	34
35	.07	.15	-.01	.70	1.49	-.34	35
36	-.01	.31	-.18	.58	1.74	-.42	36
37	.15	.31	-.01	.45	1.58	-.17	37
38	-.01	.31	-.18	.53	1.58	-.42	38
39	-.01	.31	-.18	.62	1.49	-.59	39
40	.15	.31	-.01	.74	1.58	-.51	40
41	.15	.31	-.01	.66	1.58	-.42	41
42	-.01	.31	-.18	.41	1.58	-.84	42

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	284400.00	13190.00	312000.00	270400.00	-1632.00	37050.00	2
17	313800.00	53590.00	398000.00	84060.00	2386.00	46420.00	17
18	284000.00	15310.00	306900.00	267800.00	3725.00	46870.00	18
19	303100.00	18290.00	360500.00	284800.00	12210.00	48210.00	19
20	275900.00	37010.00	347800.00	238900.00	-4756.00	41960.00	20
21	293300.00	21260.00	343500.00	266100.00	-2528.00	95970.00	21
23	81510.00	7656.00	94270.00	73010.00	18000.00	97760.00	23
24	98540.00	7656.00	106200.00	78960.00	6400.00	78110.00	24
25	92580.00	5952.00	105300.00	78110.00	-1632.00	54900.00	25
26	89590.00	5528.00	95980.00	84060.00	4172.00	31250.00	26
27	102800.00	11900.00	136800.00	79810.00	1045.00	66510.00	27
28	272500.00	30200.00	352900.00	172500.00	9072.00	76340.00	28
29	291000.00	32330.00	347300.00	65360.00	9520.00	88380.00	29
30	300100.00	23820.00	335900.00	181900.00	8189.00	43300.00	30
32	345700.00	30200.00	388600.00	272100.00	3725.00	47760.00	32
33	335000.00	30620.00	380100.00	272900.00	-4310.00	50440.00	33
34	247800.00	38700.00	358000.00	69600.00	1036.00	82580.00	34
35	232900.00	42540.00	319700.00	52600.00	7736.00	86600.00	35
36	241000.00	33400.00	312900.00	34730.00	-752.00	79010.00	36
37	242700.00	42960.00	296700.00	36440.00	1940.00	45980.00	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	2600.00	40910.00	2689.00	46250.00	2131.00	48870.00	2
17	5781.00	45910.00	1791.00	52540.00	4332.00	56350.00	17
18	9872.00	49090.00	3139.00	55680.00	7407.00	59430.00	18
19	11690.00	46360.00	20200.00	59270.00	10050.00	55900.00	19
20	5327.00	45450.00	-8089.00	50740.00	2571.00	56350.00	20
21	-8776.00	97720.00	-4952.00	109600.00	-19010.00	111400.00	21
23	1232.00	89540.00	-5400.00	110000.00	-1840.00	93330.00	23
24	-8312.00	75450.00	-912.00	83070.00	-14600.00	78810.00	24
25	2145.00	55000.00	-7190.00	57930.00	-4474.00	59870.00	25
26	-2855.00	30910.00	-2251.00	35030.00	-10640.00	34340.00	26
27	-4722.00	65910.00	-4952.00	70950.00	-13280.00	70440.00	27
28	-1952.00	78180.00	7616.00	93410.00	-13290.00	95980.00	28
29	4688.00	90450.00	8968.00	100100.00	-3600.00	107400.00	29
30	7599.00	46810.00	5833.00	55680.00	4772.00	58550.00	30
32	5781.00	50450.00	-8537.00	53890.00	-1392.00	56790.00	32
33	-2855.00	50000.00	-10340.00	66460.00	-14170.00	64280.00	33
34	14230.00	79080.00	-6752.00	95200.00	-5360.00	95970.00	34
35	12590.00	87260.00	-9440.00	101500.00	8288.00	97300.00	35
36	7592.00	75900.00	-13490.00	92960.00	-1840.00	95090.00	36
37	15780.00	49540.00	-454.00	58380.00	11370.00	58100.00	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	285800.00	9504.00	296200.00	265900.00	-2522.00	33890.00	2
17	360600.00	50100.00	400700.00	83660.00	-2128.00	35080.00	17
18	263800.00	7344.00	273700.00	248700.00	631.00	29950.00	18
19	285400.00	22890.00	324700.00	256400.00	-157.50	37050.00	19
20	323400.00	40170.00	363600.00	253000.00	4572.00	37050.00	20
21	291000.00	19000.00	335000.00	254700.00	15600.00	115900.00	21
23	82370.00	5616.00	96620.00	76750.00	2996.00	26800.00	23
24	84960.00	5616.00	94900.00	68990.00	2601.00	15370.00	24
25	81080.00	7768.00	95760.00	69860.00	5360.00	33890.00	25
26	81500.00	4752.00	87980.00	74180.00	-945.50	10250.00	26
27	99220.00	12960.00	113900.00	63810.00	4178.00	29560.00	27
28	200300.00	19870.00	334200.00	169200.00	7331.00	39020.00	28
29	253800.00	31960.00	351500.00	72450.00	2602.00	35080.00	29
30	285400.00	22020.00	325500.00	153600.00	6935.00	67790.00	30
32	246900.00	25910.00	278900.00	134600.00	3390.00	61090.00	32
33	241300.00	29800.00	271100.00	147600.00	8907.00	50050.00	33
34	345000.00	25490.00	395500.00	177000.00	-560.00	80000.00	34
35	359700.00	28070.00	400700.00	206300.00	6536.00	91830.00	35
36	328100.00	17280.00	348000.00	139800.00	-4496.00	73700.00	36
37	292300.00	30660.00	259900.00	44810.00	9301.00	44140.00	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	-5609.00	35720.00	-2932.00	33190.00	-7043.00	33820.00	2
17	-3602.00	36120.00	-13250.00	35430.00	173.50	34730.00	17
18	-3602.00	29700.00	-7866.00	29150.00	2429.00	27060.00	18
19	-12830.00	38930.00	-10110.00	36780.00	-8395.00	36980.00	19
20	-391.00	36120.00	-4278.00	39020.00	7840.00	36980.00	20
21	-23680.00	116400.00	4688.00	98220.00	-7952.00	95150.00	21
23	2017.00	25680.00	-6969.00	22880.00	12350.00	19840.00	23
24	3221.00	14050.00	-7418.00	14350.00	11900.00	13080.00	24
25	10.00	33310.00	-3381.00	26460.00	8743.00	27960.00	25
26	411.50	9632.00	-11900.00	12560.00	9194.00	9471.00	26
27	1214.00	29700.00	-4727.00	25120.00	10550.00	25260.00	27
28	-4405.00	39330.00	-689.50	34540.00	-277.50	36980.00	28
29	-6411.00	35720.00	-6969.00	33640.00	-2533.00	36530.00	29
30	4819.00	64610.00	-4279.00	61450.00	12800.00	56370.00	30
32	2418.00	60600.00	-7866.00	51580.00	8743.00	50510.00	32
33	-6411.00	48560.00	-3829.00	44850.00	4232.00	44200.00	33
34	3616.00	84270.00	-10560.00	74010.00	1064.00	80730.00	34
35	5216.00	97120.00	-11910.00	87020.00	12340.00	39290.00	35
36	8432.00	76260.00	-17290.00	69080.00	15350.00	71250.00	36
37	4826.00	46960.00	656.00	38570.00	15060.00	41490.00	37

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DATE:

D210-11168-3
VOLUME 12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TOGW 24,00 TOCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	########	########	########	########	########	########	1
2	264.10	264.40	263.90	1.01	1.02	.98	2
17	265.70	272.60	257.50	.86	1.17	.76	17
18	264.70	264.90	264.10	1.00	1.02	.97	18
19	263.90	264.60	263.50	1.01	1.03	.98	19
20	264.60	264.90	263.70	1.01	1.02	.97	20
21	264.70	264.90	263.50	.99	1.02	.97	21
23	264.30	264.90	264.10	1.01	1.03	.97	23
24	264.20	264.60	264.10	1.00	1.02	.97	24
25	264.30	264.60	263.90	.99	1.03	.96	25
26	264.20	264.40	264.10	1.00	1.02	.98	26
27	264.10	264.60	263.50	1.00	1.03	.96	27
28	264.10	266.00	263.10	.96	1.06	.93	28
29	264.80	269.10	259.90	1.03	1.10	.92	29
30	264.70	266.40	263.70	1.01	1.04	.94	30
32	264.80	265.80	263.30	1.00	1.04	.95	32
33	264.20	264.90	263.50	1.01	1.05	.95	33
34	263.30	265.60	261.80	1.05	1.08	.95	34
35	263.50	264.90	261.80	1.01	1.07	.97	35
36	264.30	266.60	260.90	1.01	1.07	.95	36
37	272.10	274.80	264.10	1.04	1.31	.85	37

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DATE:

D210-11168-3
VOLUME 12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	##########	##########	##########	##########	##########	##########	1
2	-.76	.30	-1.33	5.09	5.65	4.46	2
17	1.03	1.93	-.03	4.75	5.65	3.18	17
18	.38	.79	-.03	5.09	5.48	4.29	18
19	-2.79	.14	-3.28	5.22	5.56	3.78	19
20	-.60	-.19	-1.33	4.03	5.56	3.35	20
21	-.43	.79	-1.49	4.88	7.43	4.03	21
23	.46	2.25	.14	3.14	3.69	2.84	23
24	.87	1.93	-1.49	3.31	3.95	3.01	24
25	-.76	2.90	-1.49	1.83	6.41	1.66	25
26	.79	1.11	.14	5.31	5.65	4.88	26
27	-1.82	-.19	-2.14	4.46	4.88	3.95	27
28	1.84	5.83	-.52	5.35	6.58	3.01	28
29	1.68	5.83	-17.61	3.35	7.77	2.08	29
30	-3.85	.14	-4.91	5.52	7.68	3.18	30
32	.73	4.53	-1.82	9.04	9.72	1.06	32
33	-.52	1.76	-1.17	-.76	4.20	-4.11	33
34	-.92	.62	-1.98	5.65	10.82	4.46	34
35	1.60	3.72	-.84	8.02	11.33	4.97	35
36	.22	2.58	-1.33	10.10	12.52	6.58	36
37	-.43	.95	-1.82	3.61	4.80	3.18	37

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	273200.00	16580.00	312800.00	223500.00	-7072.00	93420.00	2
3	195400.00	10200.00	206500.00	181000.00	-3048.00	89400.00	3
5	252800.00	15730.00	274500.00	234500.00	-4840.00	96550.00	5
6	286000.00	17430.00	308500.00	262600.00	-368.00	91180.00	6
7	302100.00	21680.00	346800.00	280400.00	520.00	93860.00	7
8	303400.00	23810.00	347600.00	265200.00	8568.00	91190.00	8
9	189100.00	12330.00	210700.00	169100.00	-7976.00	81800.00	9
10	181000.00	11900.00	194600.00	162300.00	-5288.00	80010.00	10
11	181400.00	12330.00	210700.00	169100.00	-2608.00	78220.00	11
12	201000.00	12320.00	220100.00	178400.00	-3056.00	79570.00	12
13	191600.00	18280.00	239600.00	170800.00	-2608.00	85380.00	13
15	120200.00	10620.00	144800.00	107900.00	72.00	89850.00	15
16	90860.00	10200.00	104500.00	75550.00	-2160.00	80460.00	16
17	93060.00	11050.00	70460.00	17750.00	-376.00	68840.00	17
18	41130.00	14030.00	126600.00	22000.00	-3504.00	85380.00	18
19	200500.00	28060.00	303400.00	172500.00	-4840.00	75990.00	19
20	252800.00	31880.00	306000.00	198000.00	2752.00	91630.00	20
21	204500.00	24660.00	287200.00	128300.00	7680.00	100100.00	21
22	201800.00	30180.00	286400.00	139300.00	4544.00	92530.00	22
23	158900.00	14460.00	231100.00	127400.00	-3496.00	88950.00	23
24	207800.00	14030.00	256600.00	91710.00	-5288.00	91640.00	24
25	187800.00	22100.00	247300.00	115500.00	-4392.00	97900.00	25
26	247300.00	20400.00	289800.00	144400.00	-11540.00	96100.00	26
27	237900.00	34010.00	299200.00	107900.00	-7072.00	91630.00	27
28	172100.00	18280.00	246400.00	91710.00	-10660.00	91630.00	28
29	218800.00	50580.00	270300.00	146100.00	-9760.00	98780.00	29
30	231100.00	47610.00	291500.00	152900.00	-4392.00	103300.00	30
31	278300.00	25080.00	319600.00	195400.00	-11550.00	106800.00	31
32	301300.00	24230.00	334900.00	216700.00	-7976.00	104200.00	32
33	259600.00	24230.00	327200.00	209000.00	-6184.00	104200.00	33
34	259200.00	25500.00	301700.00	180100.00	-9312.00	104600.00	34
35	244400.00	15300.00	272000.00	222600.00	-5736.00	90300.00	35
36	248100.00	17860.00	274500.00	226900.00	80.00	92530.00	36
37	153400.00	18280.00	210700.00	124000.00	-8864.00	109500.00	37
38	321300.00	42510.00	363800.00	204800.00	-7080.00	110400.00	38
39	229400.00	17010.00	242600.00	212400.00	7232.00	93420.00	39
40	225200.00	28060.00	255800.00	191200.00	-2160.00	88510.00	40
41	240900.00	26780.00	267700.00	190300.00	14820.00	95660.00	41
42	293600.00	23380.00	317000.00	264300.00	2312.00	94760.00	42
43	294500.00	27630.00	332300.00	244800.00	-1712.00	88060.00	43
44	289800.00	32300.00	322100.00	256600.00	2760.00	104200.00	44
45	289800.00	34860.00	340000.00	243000.00	3648.00	90740.00	45
46	-27950.00	8289.00	-14560.00	-36230.00	-5730.00	66160.00	46
47	-20930.00	11480.00	-5203.00	-36230.00	-8416.00	75980.00	47
48	-20720.00	15520.00	13910.00	-36230.00	-11100.00	78670.00	48
49	-13700.00	15300.00	5000.00	-36230.00	-10200.00	83140.00	49
50	-23480.00	9778.00	749.00	-36230.00	-7520.00	99230.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
51	34330.00	13180.00	66210.00	-36230.00	-5736.00	99240.00	51
52	260900.00	30610.00	300900.00	21150.00	-368.00	84930.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	8192.00	92240.00	-16800.00	107500.00	-9176.00	113100.00	2
3	8648.00	90870.00	-16800.00	104800.00	-4776.00	109600.00	3
5	9096.00	93140.00	-24900.00	118300.00	-4336.00	114400.00	5
6	11380.00	88140.00	-21300.00	115600.00	1384.00	107800.00	6
7	11370.00	89960.00	-18590.00	114700.00	2704.00	110000.00	7
8	5920.00	92690.00	1640.00	108800.00	3584.00	107400.00	8
9	5464.00	87690.00	-26700.00	103000.00	-6536.00	105200.00	9
10	7744.00	83600.00	-18600.00	93990.00	-4336.00	101200.00	10
11	8648.00	82700.00	-14100.00	92190.00	-3456.00	101200.00	11
12	10920.00	82230.00	-18600.00	94890.00	-1696.00	101200.00	12
13	17280.00	83150.00	-16800.00	101200.00	2704.00	103800.00	13
15	12280.00	87240.00	-13200.00	106600.00	944.00	107400.00	15
16	11830.00	79510.00	-14550.00	94440.00	64.00	97680.00	16
17	8653.00	69060.00	-14550.00	81850.00	-3016.00	85800.00	17
21	19100.00	94060.00	-1960.00	120500.00	17220.00	110400.00	21
22	20920.00	92230.00	-17700.00	112900.00	12820.00	114800.00	22
23	12740.00	93140.00	-20400.00	109300.00	2264.00	113100.00	23
24	12280.00	94500.00	-27140.00	115100.00	1384.00	114000.00	24
25	12730.00	96780.00	-13650.00	118700.00	-6536.00	125400.00	25
26	9096.00	101300.00	-29840.00	118700.00	-3456.00	125000.00	26
27	11380.00	96320.00	-22640.00	109700.00	1384.00	117500.00	27
28	10020.00	98590.00	-32980.00	115600.00	-3896.00	122800.00	28
29	-10430.00	106300.00	-19940.00	124100.00	-28100.00	131100.00	29
30	928.00	107700.00	-9152.00	128600.00	-25900.00	131600.00	30
31	5472.00	107700.00	-25790.00	128200.00	-9176.00	133300.00	31
32	4104.00	103600.00	-23540.00	123200.00	-11380.00	125800.00	32
33	-440.00	108100.00	-22640.00	126800.00	-15340.00	132400.00	33
34	5008.00	105400.00	-20390.00	125500.00	-6096.00	129400.00	34
35	5920.00	92690.00	-25340.00	107900.00	-5656.00	113100.00	35
36	9552.00	88140.00	-11850.00	108800.00	6664.00	109600.00	36
37	2288.00	110900.00	-22640.00	131300.00	-17540.00	139000.00	37
38	-1352.00	109000.00	-13200.00	130900.00	-17100.00	127200.00	38
39	8648.00	91780.00	2536.00	108800.00	-2576.00	116200.00	39
40	8648.00	89050.00	-7808.00	106600.00	-5656.00	108700.00	40
41	19100.00	93140.00	10630.00	110600.00	-12260.00	112600.00	41
42	16380.00	87690.00	-2408.00	111100.00	12820.00	107800.00	42
43	12740.00	84050.00	-14550.00	111500.00	9744.00	105600.00	43
44	9560.00	99050.00	-7800.00	125500.00	2264.00	120100.00	44
45	24550.00	85870.00	-4208.00	108400.00	22060.00	106500.00	45
46	7743.00	69060.00	-22190.00	78700.00	-6536.00	87560.00	46
47	8192.00	81330.00	-24900.00	93090.00	-5656.00	104300.00	47
48	11830.00	87690.00	-22650.00	98940.00	-2576.00	110900.00	48
49	2744.00	91320.00	-25340.00	105200.00	-11820.00	115700.00	49
50	-440.00	101800.00	-22650.00	124100.00	-19740.00	124500.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
51	14550.00	95860.00	-23540.00	118700.00	1384.00	121000.00	51
52	6376.00	86780.00	-3304.00	98490.00	7544.00	98120.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	335900.00	15690.00	363400.00	310000.00	7632.00	89810.00	2
3	254900.00	11880.00	272700.00	241300.00	4872.00	89420.00	3
5	284100.00	14840.00	304900.00	269300.00	7640.00	97690.00	5
6	309200.00	16970.00	330400.00	284600.00	11180.00	98870.00	6
7	336300.00	21210.00	365100.00	310800.00	15910.00	106000.00	7
8	324500.00	32660.00	359200.00	293900.00	14730.00	123700.00	8
9	258700.00	11460.00	283700.00	243800.00	2520.00	83110.00	9
10	245100.00	10180.00	280300.00	248900.00	2512.00	74450.00	10
11	280700.00	8056.00	293900.00	262500.00	2512.00	70510.00	11
12	304500.00	9752.00	319300.00	290500.00	152.00	72870.00	12
13	312600.00	11880.00	338800.00	294700.00	544.00	70900.00	13
15	193400.00	9760.00	206500.00	156500.00	1328.00	89810.00	15
16	142900.00	7632.00	153100.00	131000.00	-1816.00	78780.00	16
17	75060.00	10180.00	109000.00	62340.00	-6938.00	71300.00	17
18	107300.00	11020.00	208200.00	86080.00	5272.00	85860.00	18
19	332900.00	18660.00	383000.00	287100.00	9608.00	93350.00	19
20	338400.00	28420.00	396500.00	287100.00	-1424.00	76020.00	20
21	340100.00	25870.00	396500.00	273500.00	1336.00	104000.00	21
22	332100.00	31380.00	396500.00	238800.00	2512.00	88620.00	22
23	287100.00	17810.00	319300.00	213300.00	4880.00	87060.00	23
24	266700.00	17820.00	335500.00	174300.00	5272.00	88230.00	24
25	305300.00	31810.00	368500.00	248900.00	-2216.00	125700.00	25
26	335900.00	29260.00	378700.00	201400.00	2120.00	126100.00	26
27	274500.00	29260.00	328700.00	184500.00	-248.00	91380.00	27
28	248100.00	17820.00	280300.00	215000.00	-632.00	96500.00	28
29	292200.00	40220.00	375300.00	187900.00	-2208.00	100400.00	29
30	319300.00	69560.00	394800.00	204000.00	-4176.00	109500.00	30
31	324500.00	23330.00	359200.00	249800.00	25750.00	133100.00	31
32	328200.00	25020.00	355800.00	248100.00	12760.00	142200.00	32
33	325700.00	30110.00	376200.00	256600.00	19460.00	155200.00	33
34	298600.00	21630.00	329500.00	212500.00	9608.00	129600.00	34
35	249700.00	17380.00	293900.00	249800.00	4488.00	100800.00	35
36	271400.00	15690.00	287100.00	248900.00	14730.00	93750.00	36
37	291400.00	33080.00	324400.00	215900.00	20630.00	166600.00	37
38	340100.00	30110.00	373600.00	226000.00	26540.00	134700.00	38
39	244600.00	15700.00	286300.00	241300.00	14340.00	97300.00	39
40	248100.00	30540.00	278600.00	210800.00	12750.00	94930.00	40
41	239200.00	30960.00	287100.00	208200.00	-6544.00	100000.00	41
42	303200.00	21210.00	324400.00	266800.00	9608.00	92570.00	42
43	307500.00	22900.00	342200.00	266800.00	13940.00	90590.00	43
44	299400.00	41980.00	341400.00	257400.00	14340.00	97300.00	44
45	311700.00	36470.00	359200.00	253200.00	23000.00	93350.00	45
46	23320.00	12720.00	36040.00	2115.00	-12060.00	70120.00	46
47	17810.00	16540.00	47920.00	-2126.00	-12850.00	79570.00	47
48	26290.00	14840.00	75900.00	419.00	-11660.00	81540.00	48
49	33070.00	27570.00	66580.00	5508.00	-9696.00	85090.00	49
50	37310.00	29260.00	99650.00	-2974.00	8424.00	94540.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
51	119200.00	20360.00	179400.00	-2126.00	-10090.00	75240.00	51
52	306600.00	31380.00	396500.00	93710.00	-1424.00	81540.00	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-4784.00	91280.00	-9984.00	82820.00	1968.00	82460.00	2
3	-1584.00	94480.00	-9984.00	81920.00	6024.00	85620.00	3
5	-4376.00	100500.00	-5504.00	88190.00	1968.00	93280.00	5
6	-5176.00	99690.00	-144.00	87300.00	-280.00	91930.00	6
7	-9184.00	106900.00	4344.00	94460.00	-5240.00	97780.00	7
8	-776.00	119300.00	-1920.00	109700.00	-2992.00	101800.00	8
9	-2776.00	88470.00	-7752.00	77000.00	2424.00	81110.00	9
10	424.00	77270.00	-10880.00	69390.00	7832.00	70300.00	10
11	2024.00	72460.00	-9982.00	65810.00	9179.00	65330.00	11
12	4032.00	73660.00	-12670.00	69390.00	9632.00	69390.00	12
13	4432.00	70860.00	-11330.00	68050.00	8283.00	67140.00	13
15	-3184.00	92080.00	-10880.00	82820.00	4216.00	83920.00	15
16	1624.00	80870.00	-18040.00	71190.00	10080.00	78860.00	16
17	8832.00	74460.00	-19380.00	70730.00	18200.00	70750.00	17
18	-3184.00	92080.00	-6856.00	80580.00	6024.00	85620.00	18
19	2424.00	96090.00	1208.00	84170.00	8280.00	88780.00	19
20	-7584.00	78860.00	-9088.00	72080.00	-7496.00	77510.00	20
21	-10390.00	100100.00	-9096.00	96250.00	-5248.00	101400.00	21
22	424.00	97290.00	-9984.00	84610.00	6480.00	93280.00	22
23	-3176.00	86470.00	-3720.00	81030.00	1512.00	81110.00	23
24	-3584.00	90080.00	-3272.00	81480.00	-6592.00	82910.00	24
25	-9984.00	134900.00	-7752.00	120000.00	-6144.00	128400.00	25
26	-15190.00	125700.00	-5512.00	122200.00	-14260.00	117600.00	26
27	-10780.00	95680.00	-7744.00	86850.00	-6144.00	88770.00	27
28	-5576.00	101700.00	-9088.00	90880.00	1072.00	95980.00	28
29	-12790.00	97690.00	-7296.00	90880.00	-5696.00	87420.00	29
30	-16790.00	104100.00	-10440.00	99380.00	-15610.00	91030.00	30
31	-16790.00	124100.00	-1032.00	120400.00	-11100.00	112700.00	31
32	-14790.00	133300.00	-3272.00	122700.00	-14700.00	114500.00	32
33	424.00	156500.00	-5504.00	132100.00	-288.00	134300.00	33
34	-8784.00	124100.00	-1032.00	120400.00	-12900.00	112700.00	34
35	-4776.00	103300.00	-3712.00	89090.00	-1640.00	95080.00	35
36	-4384.00	91680.00	2096.00	85060.00	1064.00	84260.00	36
37	-16790.00	160100.00	-4616.00	144600.00	-21460.00	151900.00	37
38	-28000.00	126500.00	5232.00	105200.00	-21460.00	107700.00	38
39	-8384.00	96480.00	5232.00	93570.00	-7496.00	90120.00	39
40	-3984.00	93680.00	4336.00	85500.00	2416.00	84720.00	40
41	-5976.00	100500.00	-20290.00	88640.00	-3888.00	93730.00	41
42	-2384.00	94480.00	6128.00	86400.00	-280.00	89220.00	42
43	8432.00	95680.00	6128.00	83710.00	13240.00	89220.00	43
44	-1576.00	100900.00	7024.00	89090.00	2424.00	89220.00	44
45	-26400.00	95280.00	19570.00	81030.00	10980.00	86070.00	45
46	11240.00	68060.00	-26550.00	76110.00	22250.00	70290.00	46
47	9232.00	74860.00	-26550.00	83270.00	17300.00	77060.00	47
48	5624.00	79270.00	-24310.00	82830.00	12780.00	77950.00	48
49	4432.00	77260.00	-28330.00	84160.00	11430.00	77510.00	49
50	-11180.00	94480.00	-1928.00	95350.00	2416.00	96430.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
51	8432.00	75660.00	-9982.00	68500.00	8280.00	68040.00	51
52	8824.00	79270.00	-11780.00	74770.00	8272.00	74350.00	52

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.70	264.90	263.70	1.04	1.08	.94	2
3	264.50	264.60	263.90	1.03	1.05	1.00	3
5	264.40	264.60	263.70	1.05	1.06	.99	5
6	263.70	264.40	263.50	.98	1.02	.97	6
7	263.90	264.10	263.30	.98	1.03	.93	7
8	264.30	264.60	263.50	1.06	1.08	.92	8
9	264.40	264.60	263.30	1.01	1.05	.96	9
10	263.80	264.30	263.70	.99	1.02	.98	10
11	264.40	264.60	263.90	.95	1.00	.94	11
12	264.00	264.40	263.90	1.01	1.03	.99	12
13	264.30	264.60	263.90	1.01	1.02	.97	13
15	264.70	266.00	264.10	1.05	1.10	.93	15
16	264.80	265.10	263.10	1.01	1.06	.97	16
17	264.80	267.60	263.90	1.00	1.04	.96	17
18	263.10	265.30	260.90	1.20	1.24	1.10	18
19	264.50	265.80	263.10	.99	1.21	.92	19
20	264.00	264.60	263.30	1.06	1.23	1.03	20
21	263.40	265.40	262.60	1.20	1.34	.98	21
22	263.50	266.60	262.60	1.10	1.24	1.01	22
23	264.80	265.80	262.60	1.16	1.24	.97	23
24	264.60	265.60	262.00	1.19	1.26	.98	24
25	264.80	265.80	262.20	1.06	1.48	1.00	25
26	263.10	267.80	262.20	1.06	1.43	.99	26
27	266.70	267.20	262.80	.98	1.26	.76	27
28	266.40	267.90	261.80	1.14	1.31	.80	28
29	267.10	271.40	262.20	1.20	1.47	.91	29
30	267.30	271.40	262.60	1.20	1.51	.96	30
31	263.80	265.30	263.10	1.06	1.23	.95	31
32	264.20	265.30	262.80	1.33	1.63	.92	32
33	264.90	265.30	262.40	1.17	1.31	.93	33
34	264.80	265.40	262.40	1.01	1.32	.98	34
35	264.70	265.10	263.50	1.05	1.07	.99	35
36	264.80	265.10	264.10	1.03	1.08	1.00	36
37	266.20	267.00	262.80	1.06	1.41	.94	37
38	266.20	270.10	262.00	1.12	1.41	.96	38
39	264.70	265.10	263.30	.98	1.06	.95	39
40	264.20	264.60	263.70	.96	1.05	.93	40
41	262.80	266.00	262.20	.94	1.08	.85	41
42	264.30	264.40	263.90	1.01	1.04	.99	42
43	263.70	264.30	263.50	.95	1.02	.93	43
44	263.90	265.30	263.30	1.00	1.05	.93	44
45	264.10	264.40	263.50	.95	1.04	.89	45
46	282.20	286.70	272.40	.95	1.11	.83	46
47	271.10	289.70	267.00	1.05	1.35	.80	47
48	267.10	284.50	259.90	1.28	1.41	.85	48
49	271.50	272.60	265.60	1.28	1.48	.82	49
50	286.70	296.60	263.10	1.67	1.30	.76	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24,000 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
51	271.10	295.80	256.80	1.48	1.61	.94	51
52	260.40	264.90	259.40	.98	1.12	.94	52

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CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	1.20	3.25	-1.18	-.56	.33	-4.09	2
3	-.36	-.20	-1.35	-1.28	-.69	-1.96	3
5	.71	1.28	.46	-3.37	-1.96	-4.35	5
6	.13	1.28	-.69	-5.15	-4.01	-5.71	6
7	-1.18	.30	-1.51	-5.07	-4.35	-6.98	7
8	1.53	2.43	-.36	-4.56	-2.64	-6.56	8
9	-.03	.13	-.85	-.35	-.18	-2.22	9
10	-.03	.46	-.36	-.69	-.43	-1.45	10
11	-.03	.13	-.69	-1.45	.33	-1.88	11
12	-.03	.30	-.36	.97	1.52	-.35	12
13	-.36	.30	-1.18	2.03	2.63	-.35	13
15	-.11	.95	-.85	-3.49	-2.39	-4.35	15
16	.13	1.12	-.03	-2.22	-1.37	-2.64	16
17	-.11	.46	-.52	-1.84	-1.28	-3.07	17
18	.46	.95	.13	1.61	2.46	1.27	18
19	-19.73	.30	-34.51	2.97	15.73	1.35	19
20	9.24	32.64	-.69	9.52	11.56	-1.79	20
21	-21.95	-3.15	-46.66	3.31	11.31	-.86	21
22	7.52	31.82	-4.96	-2.22	7.99	-4.43	22
23	10.64	31.98	-1.02	.76	4.59	-1.88	23
24	-8.40	3.42	-35.49	.21	3.56	-4.35	24
25	-14.81	1.45	-45.67	1.31	4.93	-1.28	25
26	23.77	42.98	-.03	-1.20	1.61	-5.96	26
27	-.44	1.28	-.85	-2.90	6.80	-13.11	27
28	-1.02	-.03	-1.84	-7.83	9.35	-16.43	28
29	.21	.95	-.52	-.82	-.18	-3.07	29
30	.21	.79	-.20	-.82	-.35	-2.90	30
31	-2.41	6.37	-29.91	1.10	2.80	-4.35	31
32	9.00	32.64	-3.64	-4.18	.67	-6.22	32
33	13.51	34.11	-1.84	-3.20	1.01	-8.94	33
34	-7.99	5.71	-37.30	-4.18	.33	-6.13	34
35	-3.07	-1.84	-3.81	-4.01	-3.49	-4.26	35
36	2.35	2.60	1.77	-5.58	-3.75	-5.79	36
37	-4.96	-3.81	-6.43	6.84	10.63	3.99	37
38	.46	.95	-.85	-5.32	-4.26	-5.79	38
39	-2.25	-.85	-3.15	-4.43	-3.84	-4.86	39
40	.46	1.12	.13	-5.32	-4.09	-6.05	40
41	-.69	-.20	-1.35	-3.88	-3.15	-5.96	41
42	-.52	1.28	-1.35	-5.24	-4.52	-5.71	42
43	-.36	.95	-.85	-5.24	-4.60	-5.71	43
44	1.61	2.27	1.28	-4.52	-4.26	-5.03	44
45	.87	1.45	.30	-5.28	-4.60	-6.47	45
46	.38	.63	-1.18	1.06	2.80	-4.09	46
47	-8.40	-1.18	-30.89	.38	1.86	-5.71	47
48	15.81	39.70	6.37	-7.62	-.52	-11.58	48
49	-.36	1.12	-.52	-2.18	.42	-4.35	49
50	-1.10	.13	-3.15	-1.41	5.35	-8.43	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
51	-18.67	-1.84	-47.64	7.05	9.09	-7.83	51
52	1.69	4.89	-1.84	5.56	8.58	.33	52

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	289400.00	19570.00	320800.00	263900.00	-7315.00	47400.00	2
3	277500.00	24680.00	359100.00	229800.00	-2848.00	84960.00	3
4	278700.00	15740.00	331900.00	263000.00	-8664.00	91660.00	4
5	293200.00	9784.00	312400.00	274100.00	-6872.00	86300.00	5
6	258700.00	16170.00	299600.00	239200.00	-8664.00	91660.00	6
7	282600.00	11060.00	299600.00	269800.00	-8664.00	88090.00	7
8	271900.00	14040.00	291900.00	257900.00	-6424.00	84950.00	8
9	261300.00	11910.00	275800.00	249400.00	-9560.00	88980.00	9
10	178300.00	12340.00	190700.00	162600.00	-11340.00	90770.00	10
11	162600.00	14460.00	179600.00	145600.00	-10450.00	90770.00	11
12	175400.00	9360.00	184700.00	165200.00	-3741.00	65280.00	12
13	238300.00	16170.00	255300.00	186400.00	-9560.00	77350.00	13
14	222200.00	15310.00	240900.00	201700.00	-7768.00	72890.00	14
15	171500.00	15740.00	202600.00	151500.00	-3738.00	56340.00	15
16	168600.00	11060.00	183900.00	151500.00	-1055.00	52760.00	16
17	209000.00	16590.00	232400.00	161700.00	-2844.00	53660.00	17
18	197900.00	21700.00	234900.00	163500.00	733.50	51870.00	18
19	230700.00	18720.00	256200.00	168600.00	-5527.00	69750.00	19
20	225600.00	16170.00	247700.00	192400.00	-7317.00	69760.00	20
21	194100.00	17020.00	221300.00	177100.00	5200.00	74220.00	21
22	201300.00	26800.00	230700.00	154100.00	-2398.00	65730.00	22
23	212000.00	24670.00	236600.00	171100.00	2520.00	78700.00	23
24	166000.00	30630.00	206800.00	92830.00	-10900.00	89420.00	24
25	235400.00	47220.00	282600.00	120100.00	-5088.00	84510.00	25
26	218300.00	43820.00	286800.00	131100.00	-11350.00	85400.00	26
28	208500.00	10210.00	220500.00	194100.00	-5080.00	55000.00	28
29	202200.00	14040.00	224700.00	183900.00	-1957.00	64400.00	29
30	208600.00	21270.00	232400.00	187300.00	4744.00	78250.00	30
31	196600.00	33180.00	255300.00	163500.00	-9551.00	73780.00	31
32	213600.00	24670.00	238300.00	180500.00	2960.00	85410.00	32
33	191100.00	27650.00	274900.00	149800.00	-3294.00	66630.00	33
34	206800.00	23820.00	269800.00	143000.00	-4635.00	64390.00	34
35	140100.00	28500.00	246400.00	91980.00	4311.00	60810.00	35
36	261300.00	34030.00	295300.00	176200.00	-7765.00	70200.00	36
37	249400.00	36580.00	286000.00	142200.00	-1957.00	64400.00	37
38	107700.00	12340.00	120900.00	87730.00	2969.00	48740.00	38
39	13290.00	8934.00	34980.00	-6707.00	2522.00	41140.00	39
40	-9685.00	8934.00	12010.00	-22870.00	-608.00	39800.00	40
41	125600.00	13190.00	239200.00	4354.00	-2844.00	62600.00	41
42	-30320.00	6594.00	-23720.00	-36910.00	10120.00	58570.00	42
43	-26910.00	9997.00	100.00	-36910.00	11020.00	52310.00	43
44	16690.00	14890.00	40940.00	-36910.00	-9110.00	63500.00	44
45	-24150.00	8934.00	-14360.00	-36910.00	2969.00	39800.00	45
46	-15640.00	9785.00	14560.00	-36910.00	-3739.00	61700.00	46
47	-31590.00	5318.00	-24570.00	-36910.00	12360.00	50970.00	47
48	-29890.00	7020.00	-19470.00	-36910.00	11010.00	55890.00	48
49	-19040.00	8934.00	17970.00	-36910.00	-5974.00	57680.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
50	-22020.00	11910.00	14560.00	-36910.00	-14920.00	71990.00	50
51	-19890.00	10640.00	-6707.00	-36910.00	-11800.00	87640.00	51
52	-13510.00	16170.00	6907.00	-36910.00	-10000.00	82270.00	52
53	-5430.00	17440.00	32430.00	-36910.00	-9560.00	104200.00	53
54	-27130.00	5956.00	-20320.00	-36910.00	-17610.00	113100.00	54
56	142600.00	9360.00	176200.00	140500.00	-6432.00	84060.00	56
57	178300.00	10630.00	195800.00	165200.00	-6424.00	86740.00	57
59	258300.00	19140.00	292800.00	238300.00	-1960.00	85850.00	59
60	284700.00	20840.00	308100.00	248500.00	-616.00	85400.00	60
61	325500.00	25100.00	358300.00	288500.00	280.00	86300.00	61
62	334900.00	23390.00	370200.00	308900.00	2960.00	88080.00	62
63	79650.00	16590.00	141700.00	-36910.00	-1504.00	91660.00	63
64	274900.00	31480.00	329400.00	-5005.00	7432.00	87190.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-8844.00	47290.00	-3071.00	58430.00	-5834.00	56360.00	2
3	10250.00	88220.00	-22860.00	111500.00	6488.00	110100.00	3
4	6152.00	91400.00	-17020.00	110100.00	4728.00	111000.00	4
5	11160.00	85500.00	-10270.00	101600.00	7808.00	104400.00	5
6	8888.00	91400.00	-12520.00	109200.00	6928.00	111400.00	6
7	9336.00	88220.00	-10260.00	104300.00	5168.00	108800.00	7
8	10250.00	86410.00	-9376.00	101600.00	6048.00	106100.00	8
9	4336.00	89580.00	-13860.00	103400.00	-560.00	109200.00	9
10	3880.00	96410.00	-19260.00	106100.00	-552.00	115400.00	10
11	5240.00	97770.00	-17010.00	106500.00	1208.00	117100.00	11
12	7976.00	61380.00	-7120.00	78660.00	4728.00	73100.00	12
13	7064.00	75940.00	-17910.00	91240.00	-1432.00	90710.00	13
14	3424.00	70480.00	-12070.00	85400.00	-2320.00	85420.00	14
15	9801.00	52300.00	-7119.00	67870.00	4734.00	65170.00	15
16	10260.00	50020.00	-6222.00	62480.00	6496.00	58130.00	16
17	8891.00	49570.00	-8472.00	63830.00	4287.00	62080.00	17
18	5708.00	50020.00	-3970.00	60230.00	3854.00	57240.00	18
19	7072.00	65940.00	-12520.00	84060.00	1200.00	83660.00	19
20	5706.00	66390.00	-9824.00	82260.00	-120.00	82340.00	20
21	5707.00	67300.00	1872.00	87650.00	20140.00	81460.00	21
22	8432.00	61840.00	-6224.00	76860.00	-3200.00	76620.00	22
23	7976.00	76860.00	6808.00	93500.00	6928.00	92910.00	23
24	4616.00	89130.00	-25560.00	109700.00	-5848.00	114500.00	24
25	16160.00	84130.00	-9824.00	101100.00	13980.00	100800.00	25
26	1152.00	77310.00	-24210.00	102900.00	-10250.00	94230.00	26
28	5708.00	52750.00	-8470.00	64730.00	-553.00	66060.00	28
29	9794.00	58650.00	-6672.00	76420.00	5608.00	73100.00	29
30	696.00	76860.00	1864.00	93940.00	-560.00	85420.00	30
31	8437.00	70940.00	-13870.00	87200.00	-552.00	89830.00	31
32	8424.00	78220.00	-3528.00	104700.00	-2320.00	97760.00	32
33	7524.00	63660.00	-10720.00	78660.00	6928.00	76180.00	33
34	8430.00	60020.00	-11620.00	76860.00	760.00	76180.00	34
35	8437.00	55480.00	1416.00	70120.00	5614.00	66050.00	35
36	12980.00	68210.00	-15220.00	82260.00	17940.00	79260.00	36
37	10710.00	68670.00	-4424.00	75960.00	12660.00	76620.00	37
38	7982.00	45930.00	-1723.00	58880.00	5615.00	55480.00	38
39	10710.00	39560.00	-6218.00	48090.00	3413.00	49760.00	39
40	11160.00	37290.00	-8915.00	46300.00	2533.00	48000.00	40
41	9342.00	60930.00	-7576.00	75510.00	2528.00	75300.00	41
42	9340.00	60020.00	3664.00	69660.00	7373.00	68690.00	42
43	7982.00	54110.00	-10720.00	61590.00	5167.00	62080.00	43
44	4798.00	68210.00	-26890.00	78660.00	-5400.00	89380.00	44
45	11170.00	36380.00	-7567.00	46750.00	6496.00	47560.00	45
46	12520.00	61380.00	-15660.00	75520.00	5168.00	79700.00	46
47	10260.00	52750.00	5916.00	60230.00	9138.00	59890.00	47
48	9345.00	57300.00	2769.00	64270.00	7374.00	66050.00	48
49	8891.00	58660.00	-20160.00	71030.00	-120.00	77060.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
50	-1576.00	77300.00	-27350.00	97990.00	-12000.00	103000.00	50
51	7976.00	93220.00	-25100.00	105600.00	-1000.00	117600.00	51
52	10250.00	82760.00	-23310.00	97540.00	760.00	105200.00	52
53	-4760.00	108700.00	-21060.00	136600.00	-16410.00	139100.00	53
54	2064.00	120000.00	-31850.00	147400.00	-9368.00	154100.00	54
56	8888.00	86860.00	-13420.00	97540.00	3400.00	103500.00	56
57	7520.00	88220.00	-11620.00	101100.00	320.00	107400.00	57
59	12530.00	84130.00	-4432.00	102000.00	8256.00	103000.00	59
60	12520.00	82310.00	-2632.00	100200.00	7808.00	100800.00	60
61	10250.00	87300.00	512.00	101600.00	14420.00	101300.00	61
62	12980.00	86400.00	1864.00	102900.00	13980.00	101700.00	62
63	8888.00	91400.00	-8472.00	108800.00	328.00	115400.00	63
64	15260.00	85940.00	4120.00	99780.00	17940.00	96880.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	273300.00	13650.00	305700.00	249400.00	-3167.00	29640.00	2
3	275300.00	17500.00	292800.00	303200.00	1960.00	72710.00	3
4	358600.00	12800.00	374000.00	330500.00	6704.00	86140.00	4
5	354400.00	9384.00	370600.00	338100.00	5912.00	72710.00	5
6	358200.00	14940.00	381700.00	328800.00	2360.00	74680.00	6
7	355600.00	9816.00	367200.00	344100.00	5120.00	75870.00	7
8	360800.00	8960.00	369700.00	342400.00	4337.00	68750.00	8
9	342400.00	11090.00	354400.00	327900.00	6312.00	81800.00	9
10	256700.00	10670.00	271600.00	245100.00	5912.00	84570.00	10
11	242200.00	12380.00	263900.00	229800.00	5520.00	86540.00	11
12	260900.00	9816.00	276700.00	251100.00	-795.00	40700.00	12
13	272400.00	11100.00	304000.00	257900.00	4737.00	58090.00	13
14	275400.00	8960.00	292900.00	266500.00	3552.00	58480.00	14
15	276600.00	11520.00	298900.00	262200.00	785.00	35960.00	15
16	294200.00	9816.00	305700.00	281800.00	4737.00	32800.00	16
17	319400.00	13650.00	340700.00	290400.00	7108.00	33590.00	17
18	339900.00	17920.00	368900.00	313400.00	3947.00	41490.00	18
19	279300.00	11940.00	320200.00	246800.00	-795.50	44650.00	19
20	295900.00	13220.00	314300.00	273300.00	2366.00	47020.00	20
21	275900.00	19630.00	295500.00	252800.00	-1586.00	43860.00	21
22	263500.00	28580.00	309100.00	234900.00	10270.00	40700.00	22
23	249900.00	30720.00	300600.00	233200.00	-400.00	58480.00	23
24	249800.00	24320.00	292900.00	187100.00	-4360.00	77450.00	24
25	333000.00	33280.00	346300.00	193100.00	3156.00	54140.00	25
26	310800.00	57180.00	374000.00	209300.00	9084.00	50580.00	26
28	263500.00	15780.00	282700.00	246000.00	-1981.00	48210.00	28
29	263900.00	10240.00	278400.00	249400.00	1576.00	36750.00	29
30	271200.00	15780.00	298000.00	251100.00	12250.00	51370.00	30
31	274600.00	33710.00	308300.00	223800.00	-5538.00	52560.00	31
32	260100.00	32860.00	301500.00	227200.00	13030.00	67960.00	32
33	330000.00	32860.00	381700.00	255400.00	1181.00	58480.00	33
34	315100.00	26460.00	358600.00	263100.00	4735.00	67570.00	34
35	334300.00	26880.00	377400.00	246800.00	1576.00	49390.00	35
36	333500.00	43090.00	397900.00	241700.00	2761.00	30820.00	36
37	326600.00	44800.00	397900.00	243400.00	1576.00	34380.00	37
38	182000.00	8528.00	206700.00	173500.00	1181.00	39520.00	38
39	101800.00	8536.00	111200.00	72750.00	2761.00	30820.00	39
40	91530.00	8536.00	100100.00	56550.00	4737.00	29640.00	40
41	284000.00	21760.00	340700.00	119700.00	-400.00	63230.00	41
42	50150.00	14080.00	65940.00	19850.00	7503.00	50580.00	42
43	58250.00	14500.00	72750.00	1933.00	9874.00	54530.00	43
44	44790.00	20480.00	106000.00	15590.00	2761.00	43470.00	44
45	36920.00	9387.00	59960.00	20710.00	1181.00	28450.00	45
46	81720.00	23460.00	115400.00	28390.00	4737.00	42280.00	46
47	21560.00	9387.00	48020.00	11320.00	4342.00	43470.00	47
48	34360.00	10240.00	48870.00	10470.00	5922.00	53740.00	48
49	58680.00	20050.00	81300.00	18150.00	5527.00	43070.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
50	72330.00	22610.00	101800.00	30090.00	2366.00	46230.00	50
51	44180.00	15790.00	69340.00	-627.00	1176.00	79030.00	51
52	74600.00	20050.00	96660.00	16440.00	-1592.00	70730.00	52
53	85990.00	38830.00	163200.00	5347.00	-2384.00	92860.00	53
54	80440.00	31570.00	129100.00	8760.00	-9388.00	79820.00	54
56	217400.00	12380.00	231500.00	196500.00	-800.00	83380.00	56
57	225900.00	12380.00	246000.00	211000.00	1568.00	86540.00	57
59	280600.00	15780.00	301500.00	258800.00	10660.00	81410.00	59
60	285200.00	18780.00	316000.00	263900.00	10660.00	82190.00	60
61	318100.00	26030.00	350900.00	282700.00	14610.00	90100.00	61
62	324500.00	23890.00	356100.00	300600.00	12630.00	86540.00	62
63	170500.00	24320.00	270700.00	-1480.00	3144.00	81800.00	63
64	282700.00	21340.00	386800.00	65940.00	3144.00	76260.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-8622.00	32160.00	-7271.00	30560.00	-9178.00	33020.00	2
3	-2600.00	73560.00	-1888.00	68300.00	-134.50	65590.00	3
4	-5816.00	88040.00	3504.00	79090.00	-4656.00	80060.00	4
5	-4608.00	74770.00	-1888.00	69200.00	-2847.00	68310.00	5
6	-2600.00	78390.00	-2336.00	72350.00	768.00	71920.00	6
7	-4608.00	77980.00	2608.00	70110.00	-1944.00	69210.00	7
8	-2600.00	68740.00	-980.00	63810.00	-130.50	61070.00	8
9	-6224.00	84420.00	3056.00	74140.00	-3304.00	74180.00	9
10	-6616.00	88840.00	3952.00	76850.00	-3752.00	79160.00	10
11	-8232.00	88840.00	3952.00	78640.00	-5560.00	79160.00	11
12	-2593.00	39800.00	-4575.00	44040.00	-3750.00	41160.00	12
13	-11440.00	51860.00	4862.00	57970.00	-10080.00	52920.00	13
14	-9426.00	52260.00	2616.00	58420.00	-9178.00	52920.00	14
15	-2995.00	36980.00	-6373.00	34150.00	-1036.00	34830.00	15
16	-2995.00	35370.00	-2328.00	31910.00	2583.00	33020.00	16
17	-3397.00	35780.00	368.00	33700.00	3036.00	31660.00	17
18	-2592.00	44620.00	3065.00	38200.00	321.50	38900.00	18
19	-4200.00	42210.00	-7721.00	45390.00	-1940.00	42970.00	19
20	-7014.00	42610.00	-530.50	46290.00	-5559.00	42970.00	20
21	-2191.00	52260.00	-8620.00	44490.00	-5559.00	52020.00	21
22	-6210.00	40200.00	-1879.00	41340.00	-11440.00	41620.00	22
23	-7819.00	57080.00	-6375.00	59320.00	-7821.00	55190.00	23
24	-1392.00	88430.00	-12220.00	81340.00	-1488.00	83230.00	24
25	-16260.00	56680.00	818.00	55720.00	-15060.00	55190.00	25
26	-8220.00	49440.00	5761.00	48080.00	-2845.00	49310.00	26
28	-5004.00	43820.00	-4575.00	46740.00	-1488.00	45230.00	28
29	-4201.00	34170.00	-2778.00	36850.00	-131.00	33930.00	29
30	-984.50	50250.00	15200.00	53920.00	2583.00	52020.00	30
31	-11840.00	48240.00	-9968.00	53930.00	-10080.00	46590.00	31
32	-2593.00	61500.00	8001.00	69200.00	-8275.00	61070.00	32
33	-2593.00	57480.00	-979.50	57520.00	321.50	54280.00	33
34	1428.00	58290.00	-2785.00	64720.00	-3750.00	53830.00	34
35	-2994.00	45830.00	-3227.00	48080.00	-6916.00	45240.00	35
36	-5005.00	34970.00	3964.00	29210.00	773.50	32120.00	36
37	-2995.00	36980.00	-4575.00	29660.00	321.50	36190.00	37
38	-1789.00	34970.00	-4575.00	38650.00	5298.00	34830.00	38
39	-582.50	28940.00	-4126.00	32810.00	7107.00	28500.00	39
40	-4201.00	28540.00	-4126.00	31010.00	9369.00	27140.00	40
41	1026.00	57080.00	-2778.00	58420.00	8464.00	50660.00	41
42	-3799.00	54670.00	-6822.00	42690.00	5750.00	44330.00	42
43	-5809.00	58290.00	-81.00	43140.00	5750.00	47040.00	43
44	-1386.00	45830.00	-5923.00	37300.00	10730.00	37540.00	44
45	-5005.00	30150.00	-5923.00	26510.00	5298.00	26690.00	45
46	-2191.00	40200.00	368.50	39100.00	7559.00	35280.00	46
47	-7014.00	46630.00	-3676.00	35950.00	5297.00	36640.00	47
48	-3799.00	56280.00	-4575.00	44940.00	5750.00	45230.00	48
49	-7014.00	47430.00	-4575.00	35050.00	5298.00	37540.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
50	624.00	45420.00	-10420.00	46290.00	12540.00	45690.00	50
51	1016.00	73960.00	-23000.00	78650.00	2576.00	77340.00	51
52	216.00	67530.00	-13570.00	71010.00	9815.00	68300.00	52
53	4232.00	90040.00	-15820.00	91220.00	12080.00	81420.00	53
54	3032.00	75980.00	-23910.00	84940.00	9360.00	77810.00	54
56	-2600.00	85620.00	-7728.00	75950.00	2120.00	75990.00	56
57	-4208.00	88830.00	-7280.00	78190.00	312.00	79610.00	57
59	-2192.00	84420.00	3056.00	73250.00	1224.00	75990.00	59
60	-1792.00	84020.00	1264.00	72350.00	-1048.00	75540.00	60
61	-1792.00	93660.00	6648.00	79540.00	768.00	82780.00	61
62	-3408.00	87230.00	4856.00	75050.00	-3752.00	77350.00	62
63	-2600.00	81610.00	-13120.00	76850.00	11170.00	78700.00	63
64	7448.00	73160.00	-6827.00	72360.00	7557.00	69660.00	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24,00 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	91020SDY	9,020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.10	263.90	1.01	1.03	.99	2
3	264.80	265.40	263.30	.96	1.09	.93	3
4	264.10	264.90	263.90	.97	1.09	.93	4
5	264.40	264.60	264.10	.98	1.02	.96	5
6	264.80	265.10	264.10	1.07	1.11	.96	6
7	263.80	264.30	263.70	1.01	1.04	1.01	7
8	263.40	263.70	263.10	1.01	1.03	1.00	8
9	264.20	264.40	264.10	1.00	1.02	1.00	9
10	264.20	264.30	264.10	1.00	1.01	1.00	10
11	263.50	264.10	263.30	1.02	1.02	1.00	11
12	264.50	264.60	263.90	1.03	1.04	1.01	12
13	263.70	264.60	263.30	1.04	1.06	.93	13
14	264.30	264.40	263.90	1.01	1.04	1.00	14
15	264.20	264.40	263.90	.99	1.02	.97	15
16	264.00	264.30	263.90	1.01	1.03	1.00	16
17	263.90	264.60	263.70	1.03	1.05	.97	17
18	264.10	264.40	263.90	1.01	1.03	1.01	18
19	263.30	264.40	262.60	1.06	1.09	.98	19
20	263.90	264.40	263.30	1.03	1.07	.97	20
21	263.80	264.60	263.30	.99	1.02	.98	21
22	264.00	264.30	263.50	.97	1.02	.96	22
23	263.70	265.30	262.60	1.03	1.09	.92	23
24	264.80	268.40	263.90	1.24	1.28	1.01	24
25	267.80	271.60	262.00	1.11	1.32	.93	25
26	267.60	272.80	262.60	1.13	1.31	.87	26
28	263.90	264.10	263.50	1.01	1.02	.98	28
29	264.00	264.10	263.50	1.00	1.02	.97	29
30	263.40	264.90	262.90	1.02	1.05	.99	30
31	264.20	264.40	263.70	.98	1.02	.96	31
32	264.60	265.10	262.90	1.01	1.10	.95	32
33	264.10	264.60	262.80	1.11	1.21	.99	33
34	264.80	265.10	262.60	1.11	1.27	.98	34
35	264.80	265.60	263.10	1.10	1.16	.87	35
36	265.40	269.10	261.60	1.12	1.29	.89	36
37	263.40	270.40	262.00	1.12	1.31	.92	37
38	264.40	264.60	263.50	.97	.99	.94	38
39	266.00	267.80	264.90	.98	1.02	.93	39
40	263.00	264.10	262.40	.95	1.09	.89	40
41	260.00	261.40	258.10	1.06	1.16	1.04	41
42	276.10	287.60	265.30	1.20	1.30	.84	42
43	271.50	281.60	261.40	1.14	1.32	.89	43
44	263.80	292.30	253.20	1.04	1.61	.61	44
45	270.30	276.90	266.60	1.05	1.11	.90	45
46	268.50	279.70	260.30	1.38	1.59	.75	46
47	286.80	289.40	270.80	1.01	1.24	.91	47
48	278.30	282.10	268.40	1.13	1.26	.90	48
49	263.70	282.70	256.90	1.35	1.45	.62	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOGW 24.00 TOCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
50	279.80	283.80	260.50	1.48	1.64	.96	50
51	273.90	281.20	268.40	1.28	1.45	.94	51
52	265.10	279.10	261.80	1.09	1.38	.93	52
53	275.20	288.10	256.40	1.44	1.91	.72	53
54	275.30	284.50	266.40	1.35	1.74	.91	54
56	264.30	264.60	263.10	.98	1.05	.96	56
57	264.70	264.90	263.50	1.02	1.08	1.00	57
59	263.60	264.30	262.90	.95	1.05	.84	59
60	264.10	264.30	263.30	.94	1.02	.90	60
61	264.30	264.60	263.50	1.02	1.09	.97	61
62	264.30	264.40	263.50	.95	1.02	.92	62
63	271.70	284.90	256.80	1.24	1.62	.81	63
64	266.60	268.40	260.50	1.02	1.12	.96	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-1.43	-.94	-1.93	6.10	7.20	4.59	2
3	-1.14	-.34	-4.71	-.76	2.28	-7.89	3
4	-3.22	-2.13	-3.72	-5.58	.60	-6.42	4
5	-1.53	-.74	-2.93	-3.38	-2.33	-4.11	5
6	-1.34	-.94	-2.13	-2.80	-1.07	-3.49	6
7	-1.53	-1.14	-2.73	-2.33	-1.49	-3.49	7
8	-1.34	-.74	-2.13	-6.11	-4.01	-6.52	8
9	-1.34	-.74	-2.53	-3.80	-2.86	-4.22	9
10	-1.34	-1.14	-1.93	-4.32	-3.90	-4.85	10
11	-2.53	-1.93	-3.12	-4.43	-3.69	-6.11	11
12	-1.53	-1.34	-2.33	2.12	3.01	1.44	12
13	-2.93	-2.33	-3.32	-1.70	1.55	-3.28	13
14	-3.22	-2.73	-3.92	-1.55	-.55	-2.33	14
15	-4.61	-2.33	-6.30	2.23	4.06	1.65	15
16	-2.73	-2.33	-3.12	4.74	5.74	2.80	16
17	-4.71	-.54	-4.91	4.11	8.36	2.17	17
18	-1.53	-1.14	-2.33	6.84	11.40	6.37	18
19	4.43	17.94	-8.49	2.17	5.74	-.13	19
20	-17.63	1.25	-29.56	.03	4.48	-2.54	20
21	-1.93	-.94	-4.32	1.18	1.65	.50	21
22	-3.32	-2.33	-3.92	1.28	1.86	.29	22
23	-1.43	-.74	-2.53	2.49	3.75	1.65	23
24	-4.71	-3.72	-5.11	-.39	3.33	-2.86	24
25	-1.53	-1.14	-2.73	3.01	3.33	2.28	25
26	-1.43	-.94	-2.33	.76	.92	.29	26
28	-6.50	-4.52	-7.10	.55	.92	.18	28
29	-1.53	-1.34	-3.12	1.13	2.07	-.55	29
30	-3.12	-2.33	-6.30	.60	1.34	-.45	30
31	-3.32	-2.93	-3.72	-.55	-.13	-2.02	31
32	-3.02	-2.53	-4.12	2.59	3.01	.92	32
33	-16.04	-2.33	-38.30	14.12	16.22	3.43	33
34	10.49	40.40	-4.71	6.79	11.61	-3.28	34
35	-3.02	-.54	-4.52	.29	12.34	-6.52	35
36	-3.02	-2.13	-3.52	4.59	5.42	2.38	36
37	-2.13	-1.34	-2.73	3.96	4.27	2.91	37
38	-2.13	-1.73	-3.72	3.27	3.85	1.76	38
39	-3.12	-2.93	-3.92	5.37	6.26	4.17	39
40	-3.22	-1.53	-4.12	1.65	2.17	.71	40
41	-1.63	.45	-2.53	-1.86	2.70	-3.59	41
42	-10.48	-3.32	-40.09	6.37	8.88	-1.81	42
43	11.09	40.40	-2.13	-6.05	18.84	-13.86	43
44	-3.22	-2.93	-7.50	10.45	17.27	-.66	44
45	-3.02	-.74	-5.31	5.95	11.29	3.85	45
46	-.34	2.44	-1.53	7.89	13.39	2.59	46
47	-19.22	-1.34	-31.15	9.51	10.98	.71	47
48	13.47	28.28	-2.33	1.97	12.13	-7.47	48
49	-5.21	-3.52	-5.91	9.35	15.49	-1.39	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
50	-2.93	-2.13	-3.72	5.53	6.58	5.11	50
51	-32.05	-7.69	-57.98	-.60	3.85	-1.81	51
52	26.19	59.09	-.14	-6.94	8.88	-17.64	52
53	-2.83	-1.93	-6.70	-1.49	12.97	-18.58	53
54	-3.02	-1.93	-4.12	-3.07	-1.28	-6.73	54
56	-1.53	-1.34	-2.33	-4.53	-3.69	-5.06	56
57	-1.63	-1.34	-3.52	-4.95	-4.43	-6.00	57
59	-2.93	-1.93	-3.12	-5.58	-4.64	-7.78	59
60	-1.34	.45	-3.12	-7.84	-5.69	-8.52	60
61	-3.12	-1.93	-3.92	-7.21	-5.37	-7.68	61
62	-2.03	-1.14	-3.72	-8.15	-7.68	-9.35	62
63	-12.07	.65	-65.34	-.45	5.63	-14.18	63
64	-1.04	4.83	-4.32	10.66	16.85	-2.23	64

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	201900.00	13180.00	220100.00	175100.00	6813.00	34070.00	2
3	215100.00	23790.00	255000.00	153900.00	-8633.00	47700.00	3
4	150500.00	20390.00	200600.00	130100.00	-9541.00	50420.00	4
5	145800.00	20390.00	197200.00	125000.00	-1365.00	44970.00	5
6	128800.00	17420.00	153900.00	101200.00	907.00	33620.00	6
7	147900.00	14450.00	162400.00	103700.00	-1819.00	36340.00	7
8	141100.00	11900.00	157300.00	117300.00	452.50	31340.00	8
9	207400.00	19540.00	269400.00	92690.00	907.00	40880.00	9
10	198500.00	16580.00	244000.00	172600.00	-5907.00	47700.00	10
11	232500.00	24220.00	266900.00	145400.00	-7280.00	74500.00	11
12	153000.00	17850.00	176000.00	120700.00	-3640.00	69960.00	12
13	141500.00	13600.00	177700.00	137700.00	-3184.00	65870.00	13
14	145800.00	10620.00	162400.00	116500.00	-9996.00	66320.00	14
15	133500.00	11050.00	157300.00	116500.00	-4546.00	63600.00	15
16	127500.00	9352.00	157300.00	116500.00	-5004.00	61330.00	16
17	201000.00	19980.00	228700.00	72290.00	-5006.00	70420.00	17
18	221000.00	17850.00	240500.00	181900.00	7267.00	35430.00	18
19	210400.00	17420.00	249000.00	192100.00	907.00	32710.00	19
20	224400.00	16140.00	245600.00	192100.00	3633.00	33620.00	20
21	247800.00	20820.00	277900.00	210800.00	2725.00	39980.00	21
22	276700.00	21670.00	298300.00	224400.00	907.00	32710.00	22
23	238300.00	21240.00	283000.00	201500.00	3179.00	38610.00	23
24	281800.00	25070.00	352700.00	182800.00	6808.00	80410.00	24
25	191700.00	27620.00	232900.00	27260.00	14080.00	71320.00	25
26	137300.00	32720.00	226900.00	40010.00	8160.00	88130.00	26
27	197600.00	36960.00	248600.00	12810.00	2712.00	78140.00	27
28	58270.00	10620.00	87580.00	2615.00	6809.00	62230.00	28
29	149200.00	35260.00	213400.00	42560.00	-13630.00	47240.00	29
30	195900.00	34420.00	294100.00	58700.00	-910.00	41790.00	30
31	212100.00	11470.00	223600.00	190400.00	-910.00	35430.00	31
32	209100.00	24640.00	239700.00	166600.00	5447.00	68140.00	32
33	190400.00	24650.00	236900.00	164900.00	440.00	66780.00	33
34	207000.00	19970.00	233700.00	181900.00	-14080.00	57690.00	34
35	211200.00	16570.00	244000.00	180200.00	906.00	65410.00	35
36	299200.00	79030.00	378200.00	108800.00	5450.00	41790.00	36
37	197600.00	133000.00	397800.00	19610.00	4087.00	41340.00	37
38	223500.00	19540.00	262600.00	181100.00	-13180.00	114900.00	38
39	207000.00	22520.00	229500.00	157300.00	-9552.00	182200.00	39
40	92260.00	9776.00	102000.00	51050.00	2270.00	44970.00	40
41	67620.00	5518.00	73140.00	60400.00	2724.00	35430.00	41
42	79510.00	6376.00	87580.00	52750.00	-7275.00	62690.00	42
43	62520.00	6373.00	69740.00	54450.00	907.50	48150.00	43
44	82940.00	10190.00	92480.00	49350.00	-16820.00	112200.00	44
45	66340.00	8491.00	96080.00	57000.00	7721.00	30440.00	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	4323.00	33520.00	994.00	42180.00	-3018.00	42650.00	2
3	5217.00	53190.00	7273.00	65510.00	-10500.00	59810.00	3
4	-594.00	49160.00	-2596.00	55640.00	-21050.00	57170.00	4
5	-4616.00	42460.00	-5288.00	48460.00	-3458.00	53650.00	5
6	2535.00	31730.00	4584.00	41280.00	-3458.00	46610.00	6
7	-3276.00	33970.00	-352.00	43530.00	-6976.00	48370.00	7
8	-147.00	31730.00	1443.00	40830.00	-4338.00	41330.00	8
9	-1041.00	40670.00	545.50	49810.00	-3458.00	50130.00	9
10	-1488.00	48270.00	-2596.00	58340.00	-12260.00	56290.00	10
11	2080.00	75380.00	-1256.00	91990.00	-20620.00	88380.00	11
12	5659.00	69720.00	2328.00	82120.00	-9624.00	82660.00	12
13	4312.00	70170.00	3224.00	83020.00	-18850.00	76950.00	13
14	6105.00	68380.00	3680.00	81660.00	-19730.00	78710.00	14
15	4768.00	66140.00	6368.00	78080.00	-19290.00	75640.00	15
16	7893.00	60330.00	2784.00	71790.00	-15330.00	73430.00	16
17	10570.00	69270.00	7712.00	79420.00	-14020.00	80910.00	17
18	-1488.00	34860.00	-5737.00	42630.00	2698.00	44850.00	18
19	-1935.00	30840.00	-7083.00	36800.00	59.50	40450.00	19
20	-593.50	32180.00	-2596.00	35900.00	-1260.00	41770.00	20
21	-4851.00	36650.00	-3942.00	39940.00	-4777.00	47050.00	21
22	1194.00	31290.00	-3493.00	36800.00	-3018.00	39130.00	22
23	-5510.00	36200.00	-5737.00	42630.00	-2579.00	46610.00	23
24	1640.00	84470.00	-15620.00	98270.00	488.00	94540.00	24
25	-600.00	76870.00	-8432.00	87500.00	5768.00	85740.00	25
26	-1048.00	85370.00	-12030.00	96480.00	4888.00	95420.00	26
27	-2392.00	77770.00	-25940.00	91540.00	-4344.00	92340.00	27
28	-593.50	60780.00	-19200.00	78530.00	-2584.00	76500.00	28
29	8792.00	42460.00	8174.00	49360.00	-29400.00	55850.00	29
30	3876.00	42910.00	-4840.00	49810.00	-10930.00	47930.00	30
31	747.00	35310.00	-4840.00	39940.00	-7416.00	40010.00	31
32	2084.00	67040.00	-4840.00	73140.00	-2152.00	74310.00	32
33	-2835.00	64810.00	-9334.00	70460.00	-10500.00	73870.00	33
34	4770.00	56310.00	545.00	62370.00	-24130.00	62000.00	34
35	-9087.00	60340.00	-15170.00	65520.00	-7423.00	70800.00	35
36	4769.00	42910.00	-352.00	47120.00	-3898.00	47930.00	36
37	5663.00	42010.00	545.00	45320.00	-3018.00	45290.00	37
38	24870.00	120200.00	19380.00	134200.00	-16220.00	121800.00	38
39	44320.00	168500.00	38680.00	180400.00	-10060.00	191300.00	39
40	3876.00	41120.00	-3494.00	43080.00	-6536.00	46170.00	40
41	2088.00	35760.00	-5737.00	36350.00	-6536.00	36500.00	41
42	11920.00	67040.00	4580.00	69100.00	-19290.00	62440.00	42
43	4770.00	48270.00	2789.00	51160.00	-6976.00	50130.00	43
44	28900.00	101900.00	24320.00	106800.00	-24130.00	114800.00	44
45	3876.00	30390.00	-3494.00	34100.00	-8295.00	35620.00	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	238700.00	10180.00	262400.00	228500.00	1528.00	37010.00	2
3	286100.00	24590.00	319200.00	219200.00	-1623.00	50400.00	3
4	231900.00	14420.00	270900.00	198000.00	-2413.00	64580.00	4
5	212000.00	19070.00	262200.00	178500.00	1921.00	62610.00	5
6	180600.00	19080.00	212400.00	149600.00	9398.00	60630.00	6
7	167000.00	15690.00	209800.00	144500.00	5068.00	61030.00	7
8	185200.00	12720.00	204800.00	163200.00	5072.00	57100.00	8
9	274700.00	20780.00	319200.00	140300.00	14130.00	62210.00	9
10	245000.00	13990.00	274300.00	229300.00	2709.00	31110.00	10
11	202200.00	16950.00	320100.00	185200.00	11370.00	32680.00	11
12	205200.00	20770.00	242000.00	173400.00	1921.00	24810.00	12
13	211100.00	15680.00	242000.00	184400.00	1134.00	25590.00	13
14	203000.00	16950.00	220000.00	161500.00	1922.00	25590.00	14
15	198000.00	18460.00	222500.00	167400.00	6253.00	22050.00	15
16	203100.00	13570.00	216600.00	150500.00	4284.00	22440.00	16
17	223800.00	20770.00	315800.00	131000.00	2315.00	32290.00	17
18	230200.00	18650.00	266600.00	207300.00	-1623.00	27560.00	18
19	236500.00	18230.00	243200.00	189500.00	6647.00	30320.00	19
20	208100.00	17800.00	267100.00	182700.00	8222.00	39770.00	20
21	200900.00	22460.00	240400.00	170800.00	8222.00	41340.00	21
22	218300.00	21190.00	251400.00	172500.00	10980.00	40950.00	22
23	213200.00	22890.00	248300.00	175900.00	10190.00	42530.00	23
24	345000.00	22890.00	396400.00	252200.00	6248.00	90570.00	24
25	266700.00	18230.00	343000.00	92820.00	5848.00	86230.00	25
26	320900.00	28820.00	396400.00	135200.00	1520.00	91360.00	26
27	247600.00	24170.00	356500.00	88580.00	-8720.00	82690.00	27
28	165700.00	14410.00	148800.00	48740.00	-7144.00	77960.00	28
29	148300.00	39860.00	253100.00	47890.00	3497.00	33470.00	29
30	231500.00	29250.00	333600.00	77570.00	740.00	33080.00	30
31	251400.00	10180.00	261600.00	238700.00	1528.00	27560.00	31
32	242500.00	17380.00	287800.00	213200.00	5072.00	45280.00	32
33	229300.00	17800.00	290400.00	203100.00	3497.00	56310.00	33
34	260700.00	13570.00	274300.00	236100.00	-2804.00	35040.00	34
35	271700.00	12720.00	284400.00	237000.00	6647.00	35830.00	35
36	181000.00	72920.00	375200.00	108100.00	346.00	35830.00	36
37	273000.00	123400.00	396400.00	36870.00	740.00	36230.00	37
38	239900.00	13140.00	276000.00	209000.00	10970.00	91350.00	38
39	249600.00	15490.00	304000.00	244600.00	2304.00	85840.00	39
40	147900.00	5936.00	155600.00	100400.00	5072.00	26380.00	40
41	104300.00	3816.00	114000.00	99600.00	5072.00	17720.00	41
42	101700.00	4664.00	133500.00	72480.00	5072.00	25590.00	42
43	105500.00	5088.00	110600.00	85200.00	-441.50	19210.00	43
44	85620.00	7200.00	107200.00	76720.00	6253.00	18110.00	44
45	155600.00	6784.00	164900.00	96210.00	6253.00	23630.00	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	3548.00	35640.00	-6894.00	34470.00	6326.00	34200.00	2
3	7152.00	48050.00	-10480.00	47010.00	13080.00	45450.00	3
4	-1260.00	64470.00	-11380.00	59550.00	11270.00	58950.00	4
5	-1259.00	65270.00	-3312.00	58650.00	7222.00	60300.00	5
6	2347.00	60860.00	-626.00	58650.00	7672.00	59850.00	6
7	5144.00	60460.00	-1522.00	57750.00	16680.00	56250.00	7
8	2347.00	55260.00	-2865.00	50140.00	9926.00	50400.00	8
9	2341.00	63260.00	-1074.00	61780.00	7220.00	61200.00	9
10	-5662.00	31230.00	-6894.00	32680.00	3175.00	32850.00	10
11	-5262.00	30030.00	-1522.00	35370.00	-2225.00	32850.00	11
12	-3660.00	22820.00	-2865.00	34020.00	-1775.00	28800.00	12
13	-456.00	24430.00	-5551.00	34030.00	-2675.00	29700.00	13
14	-4861.00	22420.00	-5103.00	32680.00	2725.00	27900.00	14
15	-3660.00	21220.00	-2865.00	28650.00	25.00	27900.00	15
16	-6863.00	22820.00	-7790.00	30000.00	-3575.00	29700.00	16
17	1946.00	29230.00	-14500.00	33130.00	2725.00	32400.00	17
18	-2058.00	28430.00	-12270.00	30000.00	4075.00	29250.00	18
19	-4061.00	33630.00	-9132.00	32230.00	25.00	33300.00	19
20	-5662.00	39240.00	-7342.00	39400.00	-3125.00	37350.00	20
21	-2459.00	39240.00	-2417.00	35370.00	3175.00	34650.00	21
22	-3259.00	40840.00	-1074.00	36710.00	-1775.00	36900.00	22
23	-857.00	44050.00	4299.00	38500.00	1826.00	37800.00	23
24	-2464.00	95300.00	-6904.00	81930.00	3624.00	87300.00	24
25	8744.00	85690.00	-10040.00	83270.00	16660.00	83260.00	25
26	9152.00	91700.00	-12720.00	89540.00	16670.00	85950.00	26
27	2744.00	83690.00	-21220.00	81030.00	12170.00	78760.00	27
28	6344.00	76870.00	-22120.00	78350.00	14420.00	78300.00	28
29	-4062.00	34040.00	-1969.00	34030.00	2275.00	33750.00	29
30	745.00	32830.00	-10480.00	33580.00	11730.00	31500.00	30
31	-854.50	29630.00	-11820.00	27760.00	5425.00	27900.00	31
32	-7664.00	42840.00	-3760.00	40290.00	3176.00	37350.00	32
33	-4861.00	53460.00	-6894.00	50590.00	25.00	46800.00	33
34	-2058.00	37240.00	-15400.00	29550.00	4525.00	32400.00	34
35	-4060.00	34440.00	-5104.00	30000.00	-1775.00	29700.00	35
36	-8865.00	36840.00	-7342.00	37610.00	-2675.00	34200.00	36
37	3548.00	38040.00	-9133.00	35820.00	9476.00	38250.00	37
38	-16880.00	90500.00	-1080.00	79690.00	472.00	76060.00	38
39	-1264.00	88500.00	-4008.00	74760.00	4968.00	76950.00	39
40	-857.00	25630.00	-5999.00	23730.00	8576.00	22050.00	40
41	1146.00	17220.00	-6894.00	13880.00	8126.00	14400.00	41
42	744.50	24830.00	-5551.00	21490.00	10380.00	22050.00	42
43	745.00	12010.00	-11370.00	13880.00	1173.00	12600.00	43
44	344.50	18020.00	-7789.00	19250.00	6776.00	19350.00	44
45	-1257.00	23620.00	-4456.00	17910.00	8126.00	18900.00	45

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.90	265.40	263.90	1.00	1.02	.96	2
3	264.90	266.60	263.30	1.00	1.06	.95	3
4	264.80	266.00	263.90	1.00	1.08	.95	4
5	266.30	267.00	264.90	1.00	1.05	.94	5
6	266.00	266.20	265.10	.99	1.03	.96	6
7	264.80	266.20	263.70	.98	1.06	.92	7
8	265.20	265.60	263.90	1.00	1.02	.94	8
9	262.70	266.20	262.20	1.04	1.09	.94	9
10	264.90	265.80	263.90	1.02	1.06	.96	10
11	265.00	267.90	263.50	.94	1.13	.87	11
12	265.90	266.60	264.90	1.00	1.04	.95	12
13	264.70	265.30	264.30	.98	1.02	.95	13
14	265.30	266.40	265.10	1.04	1.07	.94	14
15	264.80	265.60	264.30	1.02	1.05	.93	15
16	264.90	266.60	264.10	1.03	1.06	.96	16
17	266.20	266.80	261.80	1.01	1.08	.95	17
18	264.60	265.10	264.10	1.00	1.03	.96	18
19	265.40	267.00	264.10	.98	1.06	.92	19
20	265.20	266.20	264.30	1.00	1.06	.96	20
21	264.80	266.20	263.90	.97	1.09	.92	21
22	264.90	266.00	264.10	.98	1.06	.95	22
23	264.70	266.80	263.70	1.03	1.06	.95	23
24	265.30	266.20	263.10	1.02	1.12	.81	24
25	264.80	266.40	261.60	1.01	1.08	.92	25
26	264.00	266.60	262.60	1.04	1.08	.93	26
27	263.20	266.80	260.50	1.10	1.37	.92	27
28	267.60	268.40	261.60	.99	1.27	.84	28
29	269.20	272.20	263.70	1.27	1.46	.78	29
30	263.70	267.40	260.10	1.02	1.14	.87	30
31	264.40	264.60	263.70	.99	1.02	.97	31
32	264.70	265.30	263.50	1.01	1.06	.94	32
33	264.70	266.00	263.30	.99	1.06	.94	33
34	263.50	265.10	263.10	.98	1.02	.96	34
35	264.00	264.90	263.10	1.00	1.04	.97	35
36	264.00	265.60	263.10	1.04	1.17	.95	36
37	263.90	266.40	262.90	1.02	1.10	.91	37
38	263.90	265.80	262.90	1.02	1.08	.96	38
39	264.30	264.90	263.50	1.01	1.02	.97	39
40	264.80	266.60	264.30	.98	1.02	.95	40
41	264.30	264.60	263.90	1.01	1.02	.98	41
42	264.80	265.30	263.50	1.01	1.02	.98	42
43	264.80	265.10	264.10	1.00	1.02	.97	43
44	264.10	264.90	263.90	1.00	1.05	.96	44
45	264.60	265.80	263.50	1.01	1.04	.97	45

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-1.95	-1.13	-2.60	5.74	6.51	4.21	2
3	-2.52	-.64	-5.87	3.65	6.09	3.18	3
4	-1.79	-.48	-2.77	5.10	5.92	3.70	4
5	-3.66	-2.11	-6.36	5.32	6.17	3.78	5
6	-2.36	-.48	-2.77	4.59	5.23	4.29	6
7	-2.52	-1.30	-3.26	4.51	6.17	4.12	7
8	-3.17	-2.60	-3.91	5.02	5.57	3.44	8
9	-2.44	9.31	-8.48	5.49	8.48	2.84	9
10	.01	.66	-.64	4.55	5.40	3.78	10
11	2.95	4.74	.83	4.16	5.57	3.52	11
12	.17	.50	-.32	5.27	6.34	3.95	12
13	1.81	4.09	.50	4.25	5.15	3.70	13
14	3.35	3.60	.99	4.51	5.40	4.12	14
15	1.40	4.91	.50	4.55	4.98	2.33	15
16	2.54	3.44	1.64	5.19	5.74	3.27	16
17	-3.91	1.48	-12.56	4.85	6.60	2.93	17
18	-.15	.17	-.64	5.96	6.60	4.38	18
19	.25	.66	-1.62	4.68	6.51	4.04	19
20	-.64	.50	-1.79	6.68	7.11	4.81	20
21	-.24	.99	-.81	5.02	7.54	4.21	21
22	-.15	.01	-.64	5.40	7.11	4.64	22
23	-1.05	.17	-1.62	.62	3.52	-2.28	23
24	-.24	1.64	-1.62	-2.54	2.59	-12.70	24
25	-.73	1.48	-1.46	5.66	10.27	1.39	25
26	-3.26	1.81	-7.34	2.97	7.20	1.22	26
27	.66	2.62	-1.95	8.65	19.66	2.24	27
28	-.81	.66	-1.30	5.49	11.64	1.56	28
29	-.56	.34	-.97	4.16	4.81	2.50	29
30	-.32	.34	-.97	4.12	4.46	3.35	30
31	-.56	-.32	-1.46	4.64	5.23	4.29	31
32	1.15	4.09	-4.73	3.74	6.00	-1.85	32
33	-.48	1.81	-2.77	3.23	6.43	.02	33
34	-1.95	-.37	-3.42	5.10	6.00	4.21	34
35	-3.42	-.64	-4.23	4.93	5.49	4.04	35
36	-1.79	-.64	-2.60	4.93	5.92	2.59	36
37	-1.79	-.64	-2.28	2.46	6.85	1.31	37
38	-.56	.83	-2.93	5.57	9.76	4.12	38
39	-.48	.99	-1.95	2.03	3.52	.62	39
40	-.24	.34	-.48	4.04	4.64	3.61	40
41	-.15	2.13	-.32	2.97	4.38	2.16	41
42	1.56	1.81	-2.77	3.44	5.15	2.67	42
43	-.15	.17	-.48	3.82	4.38	3.35	43
44	-2.44	-.64	-3.09	3.23	4.21	2.67	44
45	1.56	3.44	-3.26	.88	5.32	.28	45

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	243200.00	20090.00	291800.00	212700.00	-7160.00	78580.00	2
3	272300.00	6488.00	285300.00	260700.00	-4040.00	76360.00	3
4	263300.00	7784.00	276200.00	254200.00	-2696.00	74120.00	4
5	251600.00	9072.00	268400.00	241200.00	-1808.00	76800.00	5
6	248300.00	7128.00	260700.00	237300.00	-2248.00	76360.00	6
7	245800.00	9720.00	256800.00	230800.00	-1800.00	74120.00	7
8	247000.00	12310.00	265800.00	228300.00	-456.50	40630.00	8
9	230800.00	10370.00	241200.00	217900.00	436.50	43310.00	9
10	219800.00	9728.00	229600.00	204900.00	1330.00	44210.00	10
11	209500.00	9728.00	219200.00	192000.00	1776.00	49120.00	11
12	207500.00	10380.00	224400.00	194500.00	1330.00	47780.00	12
13	206300.00	11020.00	215300.00	182900.00	2223.00	49560.00	13
14	152400.00	17500.00	175100.00	96030.00	6242.00	56260.00	14
15	121300.00	11020.00	136200.00	107700.00	7135.00	51800.00	15
16	145900.00	11020.00	159600.00	132300.00	4009.00	53140.00	16
17	149800.00	12320.00	181600.00	105100.00	3562.00	54480.00	17
18	193900.00	12310.00	206200.00	144000.00	4451.00	62510.00	18
19	154400.00	19450.00	195800.00	81760.00	3562.00	59840.00	19
20	144100.00	17500.00	182900.00	96030.00	3116.00	57600.00	20
21	148500.00	16210.00	169900.00	125800.00	3562.00	54480.00	21
22	171900.00	21390.00	197100.00	137500.00	883.00	54480.00	22
23	176400.00	20740.00	212700.00	103800.00	7131.00	65190.00	23
24	147200.00	20100.00	198400.00	93420.00	4450.00	66970.00	24
25	130400.00	14900.00	153100.00	112900.00	-1350.00	55820.00	25
26	140800.00	21760.00	172500.00	101200.00	2223.00	54920.00	26
27	143300.00	20100.00	143400.00	119400.00	9808.00	91980.00	27
28	142000.00	13620.00	159600.00	123200.00	-10.00	43760.00	28
29	135600.00	13610.00	151800.00	112900.00	5795.00	58500.00	29
30	101900.00	27870.00	182900.00	68800.00	5795.00	59390.00	30
31	179000.00	28520.00	207500.00	105100.00	2223.00	57600.00	31
32	143400.00	33700.00	197100.00	94740.00	2223.00	60280.00	32
33	53250.00	15550.00	96030.00	37700.00	8921.00	47330.00	33
34	94400.00	10370.00	46770.00	19550.00	6242.00	39290.00	34
35	-17400.00	8427.00	-2491.00	-29720.00	5795.00	33490.00	35
36	149800.00	13620.00	211400.00	79170.00	3562.00	55370.00	36
37	-44570.00	6482.00	-25830.00	-53050.00	7581.00	37960.00	37
38	-51430.00	10050.00	-15460.00	-81480.00	7531.00	55820.00	38
39	-24530.00	11670.00	-11570.00	-61480.00	6688.00	54030.00	39
40	-37490.00	10370.00	-23230.00	-47860.00	22320.00	47330.00	40
41	-42680.00	10370.00	-27120.00	-53050.00	8028.00	37510.00	41
42	-39440.00	13610.00	-11570.00	-61480.00	-6710.00	65640.00	42
43	118700.00	7128.00	128400.00	106400.00	-5375.00	69670.00	43
44	174400.00	9072.00	203600.00	164700.00	-1808.00	78590.00	44
45	203600.00	14260.00	238600.00	182900.00	1776.00	77700.00	45
46	224400.00	18150.00	252900.00	206200.00	2664.00	75910.00	46
47	276900.00	21390.00	298300.00	225700.00	6680.00	79930.00	47
48	275600.00	21390.00	304700.00	247700.00	5792.00	78140.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	274900.00	22040.00	315100.00	251600.00	7128.00	78580.00	49
50	269100.00	26580.00	316400.00	238600.00	9808.00	81260.00	50
51	273000.00	23980.00	309900.00	242500.00	9800.00	80380.00	51
52	112200.00	8424.00	124500.00	99920.00	-2248.00	73670.00	52
53	156300.00	17500.00	184200.00	136200.00	-3592.00	74120.00	53
54	282000.00	16210.00	298300.00	217900.00	-1796.00	44650.00	54
55	245800.00	16200.00	276200.00	220500.00	3116.00	59390.00	55
56	249800.00	45380.00	299600.00	190700.00	-10.00	53580.00	56
57	236000.00	23330.00	282700.00	212700.00	11150.00	63850.00	57
58	182900.00	18140.00	217900.00	111600.00	6680.00	76360.00	58
59	121300.00	5832.00	128400.00	112900.00	-1358.00	64750.00	59
60	134300.00	7128.00	142900.00	125800.00	-2696.00	70550.00	60
61	180300.00	14260.00	201000.00	145300.00	424.00	79930.00	61
62	175800.00	9720.00	190700.00	160800.00	5348.00	43760.00	62
63	256100.00	17500.00	289200.00	238600.00	12040.00	63850.00	63
64	142000.00	8424.00	159600.00	131000.00	4455.00	31260.00	64
65	175800.00	8424.00	188100.00	157000.00	4456.00	36620.00	65
66	208200.00	8432.00	220500.00	198400.00	3563.00	38400.00	66
67	248300.00	18790.00	267100.00	215300.00	7581.00	48670.00	67
68	266500.00	13620.00	286600.00	236000.00	5795.00	46890.00	68
69	301500.00	17500.00	319000.00	268400.00	6242.00	54480.00	69
70	309300.00	18790.00	333300.00	284000.00	7134.00	58050.00	70
71	-23880.00	5834.00	-16750.00	-33600.00	-4033.00	64750.00	71
72	-27770.00	8426.00	-11570.00	-43980.00	-464.00	74580.00	72
73	-44950.00	16530.00	26030.00	-61480.00	-6712.00	84390.00	73
74	-28420.00	11670.00	-10270.00	-40090.00	-6264.00	66090.00	74
75	-34250.00	14910.00	-12860.00	-50460.00	-10730.00	56260.00	75
76	-27770.00	18800.00	-5084.00	-46570.00	12490.00	104500.00	76
77	-36520.00	24950.00	15660.00	-61480.00	-7160.00	86630.00	77
78	-22580.00	22690.00	9176.00	-61480.00	-9840.00	81260.00	78
79	-41380.00	14260.00	46210.00	-61480.00	14720.00	103200.00	79
80	171200.00	25930.00	223400.00	14360.00	-912.00	73230.00	80

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	7384.00	77320.00	-9032.00	91080.00	5592.00	91100.00	2
3	11030.00	71860.00	-5896.00	87050.00	9552.00	85380.00	3
4	12400.00	70500.00	-4096.00	85250.00	10870.00	82300.00	4
5	13300.00	73230.00	-5440.00	89300.00	12630.00	85820.00	5
6	12850.00	72770.00	-4096.00	87950.00	11750.00	85820.00	6
7	11030.00	71860.00	-3200.00	86140.00	12190.00	81860.00	7
8	3300.00	39570.00	1296.00	47560.00	3398.00	46650.00	8
9	3754.00	42760.00	1296.00	50250.00	3398.00	49290.00	9
10	4664.00	44570.00	398.00	50250.00	2958.00	49730.00	10
11	5119.00	48670.00	1296.00	57430.00	4719.00	55890.00	11
12	5119.00	47760.00	398.00	54740.00	4278.00	54570.00	12
13	4209.00	50490.00	2193.00	56540.00	2518.00	56330.00	13
14	1480.00	56860.00	8020.00	64160.00	-1883.00	63370.00	14
15	3300.00	52310.00	3539.00	57880.00	2078.00	58530.00	15
16	5119.00	54130.00	1296.00	61020.00	3398.00	61610.00	16
17	2845.00	55490.00	3091.00	61920.00	1638.00	62490.00	17
18	3748.00	61850.00	3088.00	71790.00	1632.00	68660.00	18
19	4209.00	60490.00	3535.00	65950.00	2072.00	68220.00	19
20	4209.00	58670.00	3536.00	64160.00	1196.00	66450.00	20
21	1025.00	53670.00	2642.00	60570.00	-1884.00	59850.00	21
22	-794.50	51850.00	398.00	59230.00	-3204.00	56770.00	22
23	2841.00	64580.00	6229.00	71340.00	752.00	73060.00	23
24	565.50	65950.00	5328.00	74930.00	-2328.00	73500.00	24
25	-4433.00	60040.00	-7685.00	64620.00	-11570.00	66900.00	25
26	3755.00	54580.00	-3194.00	63720.00	1198.00	62050.00	26
27	-5344.00	81870.00	16100.00	104500.00	-5408.00	89780.00	27
28	6938.00	44120.00	-2743.00	51600.00	5598.00	49730.00	28
29	1935.00	59130.00	4881.00	64610.00	-1008.00	66900.00	29
30	1480.00	61400.00	5334.00	68650.00	-2768.00	69540.00	30
31	5570.00	61850.00	9370.00	67300.00	5596.00	70850.00	31
32	2384.00	63220.00	-64.00	71340.00	-128.00	72180.00	32
33	3755.00	49120.00	5334.00	53400.00	2518.00	55450.00	33
34	4209.00	41390.00	4885.00	45770.00	3838.00	46210.00	34
35	5119.00	34110.00	2193.00	38590.00	1638.00	39610.00	35
36	3299.00	55950.00	3540.00	61470.00	1198.00	63810.00	36
37	4210.00	37750.00	4437.00	42630.00	3398.00	43130.00	37
38	-794.00	55490.00	5780.00	61020.00	-4524.00	59850.00	38
39	-1249.00	52310.00	2442.00	58780.00	-4524.00	58970.00	39
40	1025.00	56400.00	25520.00	52940.00	-1444.00	61170.00	40
41	2845.00	36390.00	6232.00	40830.00	2078.00	40930.00	41
42	-6711.00	69590.00	-7680.00	73580.00	-7168.00	74820.00	42
43	6478.00	71860.00	-9032.00	80310.00	2072.00	84060.00	43
44	7384.00	76410.00	-2752.00	89300.00	7792.00	87140.00	44
45	4208.00	77780.00	1736.00	89290.00	5592.00	88460.00	45
46	5568.00	75500.00	2632.00	85700.00	6912.00	88020.00	46
47	2384.00	83230.00	8464.00	91540.00	3392.00	96820.00	47
48	2840.00	80060.00	6672.00	89740.00	4272.00	94180.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	3744.00	81870.00	7120.00	91090.00	5152.00	95940.00	49
50	2840.00	85510.00	10710.00	93780.00	3824.00	101700.00	50
51	5112.00	85050.00	10710.00	95580.00	6032.00	101200.00	51
52	11490.00	70500.00	-7232.00	83900.00	7792.00	84500.00	52
53	10570.00	69590.00	-8136.00	86600.00	8232.00	83180.00	53
54	2845.00	41850.00	-4089.00	49360.00	2078.00	47970.00	54
55	-3069.00	42310.00	4878.00	68190.00	-4526.00	69540.00	55
56	5574.00	50940.00	-947.50	59680.00	1638.00	58090.00	56
57	4937.00	42310.00	11610.00	74030.00	4716.00	68210.00	57
58	10570.00	75950.00	2184.00	86150.00	10430.00	86260.00	58
59	9207.00	62760.00	-5888.00	73580.00	4712.00	73500.00	59
60	7386.00	70040.00	-6784.00	80770.00	3392.00	80980.00	60
61	3744.00	75500.00	-1856.00	92880.00	2072.00	87580.00	61
62	1935.00	45480.00	6232.00	49810.00	-1443.00	53250.00	62
63	1480.00	68680.00	7576.00	76280.00	3832.00	82300.00	63
64	4210.00	32290.00	1296.00	35900.00	317.50	37410.00	64
65	4664.00	36390.00	3091.00	42180.00	2078.00	42690.00	65
66	5119.00	39570.00	3091.00	45770.00	1638.00	47530.00	66
67	4209.00	51400.00	4437.00	58780.00	3838.00	61170.00	67
68	6028.00	50490.00	6232.00	57880.00	4718.00	59410.00	68
69	4664.00	56400.00	6227.00	63260.00	3396.00	67770.00	69
70	5570.00	61850.00	7127.00	69550.00	6032.00	72180.00	70
71	10120.00	63670.00	-12620.00	72250.00	-4088.00	75260.00	71
72	9666.00	72320.00	-10830.00	83900.00	-1008.00	85380.00	72
73	1928.00	83690.00	-19350.00	98710.00	-4536.00	103900.00	73
74	8756.00	66860.00	-13520.00	80320.00	312.00	80540.00	74
75	-339.00	64130.00	-14860.00	70000.00	-9806.00	74820.00	75
76	-1712.00	111900.00	7120.00	115300.00	-576.00	114900.00	76
77	1472.00	95970.00	-14220.00	107200.00	-11580.00	118800.00	77
78	1928.00	89140.00	-16210.00	103600.00	-9816.00	111800.00	78
79	5568.00	100100.00	6224.00	115300.00	744.00	111800.00	79
80	11030.00	71860.00	-4096.00	81660.00	7792.00	83620.00	80

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	324600.00	23070.00	400200.00	301500.00	864.00	84900.00	2
3	348800.00	8336.00	387400.00	360500.00	2848.00	70290.00	3
4	349500.00	7696.00	382300.00	361800.00	2063.00	63180.00	4
5	372000.00	10260.00	383600.00	352800.00	1268.00	66330.00	5
6	354700.00	8328.00	372000.00	345100.00	872.00	68310.00	6
7	363000.00	8976.00	381000.00	354100.00	1273.00	60810.00	7
8	342500.00	11540.00	356600.00	318200.00	1668.00	28040.00	8
9	329100.00	8328.00	342500.00	319500.00	2853.00	28430.00	9
10	331000.00	7688.00	341200.00	320800.00	3642.00	29220.00	10
11	305400.00	7688.00	319500.00	297700.00	1273.00	37910.00	11
12	325200.00	9616.00	338700.00	311800.00	1273.00	33170.00	12
13	313100.00	8976.00	331000.00	304100.00	878.50	36720.00	13
14	297000.00	21140.00	350200.00	250200.00	483.00	44230.00	14
15	288700.00	19220.00	307900.00	266900.00	-701.00	44620.00	15
16	288100.00	14740.00	304100.00	270800.00	-3071.00	43830.00	16
17	294500.00	14740.00	309200.00	237400.00	-5447.00	67530.00	17
18	325900.00	17950.00	343800.00	290000.00	-320.00	86080.00	18
19	306600.00	23070.00	352800.00	233600.00	1273.00	62390.00	19
20	302200.00	14740.00	333600.00	245100.00	-4255.00	56070.00	20
21	336100.00	10260.00	352800.00	318200.00	1273.00	43440.00	21
22	343700.00	18580.00	383600.00	334800.00	878.00	44620.00	22
23	341100.00	18590.00	386100.00	252800.00	-4264.00	74230.00	23
24	334800.00	21790.00	384800.00	249000.00	872.00	72260.00	24
25	279700.00	16660.00	305400.00	260500.00	4037.00	46990.00	25
26	272700.00	25000.00	307900.00	247700.00	-1491.00	45410.00	26
27	274600.00	17940.00	313100.00	256700.00	6400.00	78580.00	27
28	272000.00	17940.00	295100.00	249000.00	-2676.00	53700.00	28
29	272000.00	16660.00	297700.00	255400.00	-2676.00	50540.00	29
30	302800.00	26910.00	347700.00	240000.00	5616.00	82530.00	30
31	347700.00	32050.00	383600.00	214400.00	-9392.00	58050.00	31
32	324000.00	49340.00	382300.00	214400.00	-9791.00	60820.00	32
33	217600.00	12180.00	256700.00	204100.00	2063.00	56070.00	33
34	158600.00	9608.00	172100.00	141300.00	4432.00	37910.00	34
35	88100.00	10900.00	102800.00	66940.00	2458.00	28830.00	35
36	343200.00	12180.00	355400.00	282300.00	3247.00	55680.00	36
37	37480.00	7691.00	46450.00	15690.00	1668.00	35140.00	37
38	46450.00	11540.00	60550.00	11840.00	2853.00	49750.00	38
39	51570.00	14090.00	77200.00	4149.00	4827.00	54890.00	39
40	24660.00	10250.00	40040.00	14400.00	7591.00	48170.00	40
41	33630.00	11540.00	45170.00	18250.00	-5045.00	31590.00	41
42	32350.00	14100.00	70800.00	4149.00	-13740.00	63970.00	42
43	204700.00	13460.00	218200.00	184900.00	-7416.00	80550.00	43
44	243800.00	14100.00	265900.00	222000.00	1264.00	94770.00	44
45	245000.00	18580.00	291300.00	245100.00	13900.00	120000.00	45
46	278400.00	19230.00	306600.00	255400.00	8768.00	96740.00	46
47	328400.00	38460.00	372000.00	287400.00	28110.00	156400.00	47
48	342500.00	37180.00	381000.00	293800.00	20620.00	138600.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	335500.00	32690.00	372000.00	296400.00	10740.00	131100.00	49
50	334800.00	44860.00	379700.00	267400.00	32850.00	158700.00	50
51	338000.00	45500.00	383600.00	287400.00	28110.00	161100.00	51
52	230400.00	10900.00	245100.00	213100.00	1273.00	61600.00	52
53	300900.00	14740.00	315600.00	274600.00	4037.00	47780.00	53
54	288700.00	12820.00	343800.00	275900.00	-306.00	23690.00	54
55	349600.00	16020.00	365600.00	315600.00	2853.00	39490.00	55
56	333600.00	46140.00	379700.00	287400.00	2458.00	38300.00	56
57	312400.00	18580.00	334800.00	277200.00	17070.00	45800.00	57
58	299000.00	15380.00	378400.00	273300.00	2458.00	55680.00	58
59	234900.00	10260.00	246400.00	214400.00	-712.00	73050.00	59
60	209200.00	11540.00	222000.00	193800.00	-1504.00	87260.00	60
61	257300.00	18590.00	279700.00	201500.00	26540.00	176100.00	61
62	241300.00	8968.00	255400.00	231000.00	4037.00	43830.00	62
63	341200.00	21790.00	365600.00	307900.00	9952.00	87660.00	63
64	188100.00	8336.00	201500.00	174600.00	-3861.00	58050.00	64
65	184200.00	9608.00	193800.00	168200.00	-1896.00	71080.00	65
66	206700.00	11540.00	219500.00	193800.00	872.00	78580.00	66
67	232300.00	19230.00	264400.00	209200.00	30090.00	125200.00	67
68	242400.00	17300.00	279700.00	209200.00	6792.00	90820.00	68
69	277800.00	19870.00	297700.00	240000.00	22580.00	115300.00	69
70	291300.00	25630.00	318200.00	256700.00	44300.00	148100.00	70
71	20170.00	7050.00	27220.00	10560.00	-10970.00	69890.00	71
72	19530.00	8973.00	36190.00	5431.00	-8601.00	72260.00	72
73	48360.00	31400.00	81060.00	-9951.00	-10980.00	84110.00	73
74	19530.00	12820.00	32350.00	2867.00	-12940.00	67920.00	74
75	24020.00	18590.00	42600.00	5431.00	-24010.00	71080.00	75
76	24020.00	21150.00	45170.00	-2260.00	11920.00	82530.00	76
77	40030.00	35890.00	141300.00	-24050.00	-14920.00	79370.00	77
78	47460.00	43580.00	131000.00	2867.00	-7816.00	74630.00	78
79	54140.00	26920.00	150300.00	-12520.00	5216.00	78980.00	79
80	272700.00	23710.00	345600.00	78480.00	2448.00	83310.00	80

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-4352.00	91020.00	-3064.00	77580.00	-3584.00	81220.00	2
3	-5152.00	71780.00	975.50	63670.00	-2222.00	62710.00	3
4	-3947.00	63370.00	-817.50	58290.00	-1320.00	55490.00	4
5	-2741.00	66970.00	-2612.00	60980.00	-868.50	58650.00	5
6	-4342.00	67770.00	-818.00	62780.00	34.00	59550.00	6
7	-2336.00	60950.00	-3060.00	56950.00	-868.00	54140.00	7
8	-8351.00	27670.00	-369.50	25560.00	-5831.00	27520.00	8
9	-4346.00	28870.00	-817.50	28700.00	-3575.00	27970.00	9
10	-7148.00	31280.00	3667.00	28700.00	-4027.00	28420.00	10
11	-4341.00	34090.00	79.00	37670.00	-4478.00	33390.00	11
12	-5544.00	32880.00	527.50	33630.00	-3124.00	30230.00	12
13	-4742.00	35290.00	-1267.00	36320.00	-2673.00	33390.00	13
14	-2336.00	46520.00	-2612.00	42150.00	-3124.00	40150.00	14
15	-1133.00	45310.00	-2412.00	43050.00	2290.00	40150.00	15
16	-5143.00	44510.00	-3509.00	44840.00	-2673.00	43310.00	16
17	-8351.00	64560.00	-12030.00	66820.00	-7643.00	63620.00	17
18	-8360.00	79800.00	-14280.00	80710.00	-13960.00	73550.00	18
19	-4341.00	58950.00	975.50	58290.00	-2222.00	52790.00	19
20	-5544.00	56940.00	-6648.00	51570.00	-2222.00	53690.00	20
21	-7549.00	44510.00	1424.00	39010.00	-1771.00	38800.00	21
22	-5544.00	47320.00	2770.00	37670.00	-4026.00	38350.00	22
23	-7556.00	72590.00	-5308.00	69060.00	-4483.00	64970.00	23
24	-5951.00	68580.00	-7550.00	65920.00	-4033.00	62720.00	24
25	471.50	46920.00	2321.00	51570.00	1839.00	46920.00	25
26	-6346.00	45710.00	-6647.00	42600.00	-5380.00	46020.00	26
27	-9160.00	75780.00	10840.00	71740.00	24.00	69480.00	27
28	-6747.00	49320.00	-1267.00	51570.00	-2673.00	51430.00	28
29	-3138.00	50530.00	-6647.00	47980.00	936.50	46920.00	29
30	-1144.00	87020.00	-11140.00	76680.00	1832.00	74890.00	30
31	-14370.00	56140.00	-7545.00	59640.00	-15760.00	57300.00	31
32	-2336.00	60150.00	-13380.00	60090.00	-1771.00	60460.00	32
33	-6747.00	53330.00	3218.00	50670.00	-4478.00	46920.00	33
34	-1935.00	39700.00	3667.00	34080.00	-417.00	34740.00	34
35	-9153.00	30080.00	-3509.00	27800.00	-1771.00	27970.00	35
36	-7549.00	54140.00	1873.00	48430.00	-417.00	47370.00	36
37	-7148.00	36890.00	-4405.00	32290.00	-417.00	34740.00	37
38	-7950.00	53730.00	-818.00	41250.00	-3124.00	45570.00	38
39	-6346.00	56940.00	975.50	43050.00	34.00	46920.00	39
40	-1534.00	46520.00	527.50	39010.00	4546.00	37000.00	40
41	-6747.00	34090.00	-10680.00	35870.00	34.00	33390.00	41
42	-9559.00	65770.00	-11130.00	53360.00	-3575.00	54140.00	42
43	-2744.00	84620.00	-11580.00	72640.00	3184.00	74450.00	43
44	-7152.00	95440.00	-2168.00	83850.00	-2680.00	87530.00	44
45	-15580.00	111100.00	5904.00	100900.00	-11250.00	93390.00	45
46	-7160.00	98650.00	7248.00	85200.00	-4480.00	89330.00	46
47	-1536.00	141200.00	13070.00	137700.00	-9904.00	122700.00	47
48	-10360.00	129900.00	10830.00	124700.00	-13060.00	111400.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	64.00	125900.00	72.00	113000.00	-4936.00	105100.00	49
50	-5544.00	156400.00	10380.00	141200.00	8144.00	123600.00	50
51	-14370.00	154000.00	16220.00	144400.00	928.00	122700.00	51
52	-1535.00	64160.00	-2164.00	56050.00	1839.00	57750.00	52
53	-731.50	47320.00	527.50	46190.00	3192.00	43760.00	53
54	-4742.00	24060.00	-2163.00	23770.00	34.00	24360.00	54
55	-8351.00	37290.00	1425.00	39910.00	-8989.00	35190.00	55
56	70.50	33680.00	1873.00	38560.00	7704.00	32940.00	56
57	2878.00	43710.00	13080.00	43500.00	2290.00	42860.00	57
58	1274.00	54140.00	-2612.00	52910.00	5448.00	49630.00	58
59	464.00	72580.00	-5757.00	65920.00	4093.00	64520.00	59
60	-5552.00	90620.00	-9800.00	78020.00	-424.00	80760.00	60
61	-7160.00	175600.00	12180.00	147500.00	1832.00	135400.00	61
62	-5143.00	41300.00	-369.50	39910.00	-417.00	38350.00	62
63	-11570.00	85410.00	9040.00	86100.00	-5840.00	79860.00	63
64	-1935.00	58150.00	-11580.00	54710.00	5448.00	52340.00	64
65	-736.00	69780.00	-12030.00	66820.00	7253.00	63160.00	65
66	-2744.00	79000.00	-9788.00	72640.00	3632.00	70380.00	66
67	-11970.00	121100.00	9488.00	98210.00	-3128.00	97000.00	67
68	-2744.00	90230.00	-824.00	79820.00	480.00	79860.00	68
69	-4752.00	113100.00	9040.00	94160.00	1384.00	92490.00	69
70	-1536.00	146800.00	22500.00	122900.00	9048.00	120000.00	70
71	64.00	68980.00	-20110.00	71300.00	4088.00	70840.00	71
72	7286.00	68970.00	-20550.00	71750.00	7252.00	70380.00	72
73	1264.00	83810.00	-21450.00	84310.00	4992.00	86180.00	73
74	8084.00	71370.00	-24140.00	71750.00	3640.00	71290.00	74
75	1664.00	71380.00	-33110.00	76240.00	4984.00	74440.00	75
76	-1136.00	89420.00	-16960.00	80720.00	5888.00	75340.00	76
77	-336.00	78990.00	-25930.00	85200.00	4984.00	85270.00	77
78	3672.00	83820.00	-29070.00	76690.00	6344.00	81210.00	78
79	20110.00	79390.00	-27720.00	71750.00	21690.00	74890.00	79
80	12500.00	81410.00	-5752.00	80260.00	4088.00	76250.00	80

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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	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	263.20	264.90	262.80	1.07	1.11	.98	2
3	264.50	264.60	264.10	1.01	1.02	.99	3
4	264.20	264.40	264.10	1.00	1.01	.99	4
5	264.00	264.40	263.90	1.02	1.04	.98	5
6	264.30	264.60	264.10	1.01	1.02	.99	6
7	263.30	263.50	263.10	1.02	1.03	1.00	7
8	264.30	264.40	264.10	1.00	1.01	.98	8
9	264.30	264.40	264.30	1.03	1.04	1.01	9
10	264.20	264.40	264.10	1.02	1.04	1.00	10
11	264.30	264.40	264.10	1.00	1.01	.99	11
12	264.00	264.10	263.90	1.00	1.01	.99	12
13	264.10	264.30	263.90	.99	1.01	.97	13
14	264.20	264.60	263.30	.98	1.05	.95	14
15	264.20	264.30	263.70	1.01	1.03	1.00	15
16	264.00	264.30	263.90	1.00	1.01	.99	16
17	264.00	265.30	263.70	.95	1.03	.93	17
18	264.30	264.40	263.90	1.00	1.02	.98	18
19	263.40	264.90	262.40	1.03	1.11	.97	19
20	264.80	265.40	262.60	1.06	1.09	.97	20
21	264.10	264.30	263.70	1.01	1.02	1.00	21
22	259.90	260.10	259.40	.99	1.00	.98	22
23	263.50	265.40	261.60	1.02	1.12	.98	23
24	263.90	264.60	262.90	.95	1.11	.94	24
25	263.60	264.40	263.30	1.01	1.02	.98	25
26	264.00	264.40	263.50	1.00	1.02	.97	26
27	263.80	264.60	263.30	1.01	1.03	.95	27
28	264.20	264.30	264.10	1.00	1.03	.99	28
29	264.00	264.30	263.90	1.01	1.02	1.00	29
30	265.70	266.40	263.10	1.05	1.15	.86	30
31	266.90	270.40	262.90	1.08	1.24	.95	31
32	266.90	271.10	262.80	1.10	1.31	.93	32
33	264.30	265.10	262.80	1.06	1.08	.97	33
34	265.30	265.80	263.90	.98	1.05	.94	34
35	264.00	267.40	263.30	1.04	1.06	.97	35
36	260.20	262.30	259.20	1.06	1.07	1.01	36
37	279.80	280.80	275.40	.91	1.01	.89	37
38	273.60	280.90	271.90	1.08	1.19	.94	38
39	273.70	286.70	266.40	1.13	1.43	.92	39
40	274.10	274.40	271.60	1.00	1.01	.92	40
41	279.00	279.40	278.40	1.00	1.06	.95	41
42	268.00	276.50	261.60	1.11	1.17	.88	42
43	263.70	264.30	263.50	.97	1.02	.96	43
44	264.80	265.10	263.30	1.04	1.07	.92	44
45	264.30	264.40	263.30	1.05	1.11	.89	45
46	263.60	264.40	263.50	.97	1.06	.93	46
47	264.30	264.60	263.90	1.03	1.14	1.00	47
48	263.80	264.10	263.50	1.07	1.09	.98	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	263.90	264.40	263.70	.97	1.07	.93	49
50	263.80	264.40	263.70	.99	1.09	.89	50
51	264.30	264.40	263.70	.94	1.10	.92	51
52	264.80	264.90	264.30	.99	1.03	.95	52
53	264.10	264.30	263.90	1.02	1.03	1.00	53
54	264.80	265.60	263.70	.97	1.02	.94	54
55	264.70	264.90	263.70	1.02	1.03	.99	55
56	264.50	265.10	263.90	1.00	1.05	.97	56
57	264.10	264.60	263.50	.98	1.01	.95	57
58	245.90	247.50	245.30	1.06	1.10	.94	58
59	246.80	247.40	246.70	.99	1.01	.97	59
60	246.80	247.40	246.20	1.01	1.02	.98	60
61	247.60	248.40	246.70	.96	1.12	.90	61
62	247.40	247.70	247.20	.99	1.00	.94	62
63	264.10	264.40	263.70	1.07	1.10	.97	63
64	263.90	264.60	263.50	1.00	1.01	.96	64
65	264.80	265.40	264.30	1.02	1.04	.94	65
66	263.50	264.30	263.30	1.01	1.02	.98	66
67	264.80	265.10	263.90	1.14	1.16	.98	67
68	264.10	265.40	263.50	.96	.97	.92	68
69	263.80	264.60	263.50	.94	1.01	.88	69
70	264.10	264.30	263.90	.99	1.02	.98	70
71	277.40	277.60	276.70	.98	1.00	.95	71
72	279.40	280.80	278.00	1.07	1.17	1.00	72
73	277.70	285.80	259.90	1.46	1.62	.92	73
74	275.60	277.80	274.80	1.08	1.10	.97	74
75	279.50	280.80	279.30	.98	1.06	.93	75
76	276.50	279.30	275.70	.96	1.05	.89	76
77	275.10	286.50	262.00	1.53	1.83	.77	77
78	276.40	281.40	261.80	1.47	1.78	.85	78
79	277.10	286.30	255.70	1.15	1.64	1.06	79
80	264.80	267.00	261.30	.99	1.12	.92	80

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TOGW 20,800 TOCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-1.64	.16	-2.30	-11.84	1.40	-13.99	2
3	-1.31	-.99	-1.64	-.32	.11	-.75	3
4	-3.03	-2.13	-4.59	.20	.89	-.23	4
5	.98	1.31	-.17	-1.57	1.75	-2.13	5
6	.90	1.80	.16	-1.61	-.32	-2.13	6
7	-.91	-.00	-1.48	1.06	2.43	.28	7
8	.73	.98	.16	6.52	6.91	5.79	8
9	2.29	2.45	1.63	4.93	6.22	4.50	9
10	-2.38	-1.48	-3.11	6.99	8.20	6.82	10
11	-1.81	-1.31	-2.13	3.04	3.98	2.69	11
12	-1.15	-.99	-2.30	4.46	5.27	4.15	12
13	1.63	2.78	1.31	2.86	4.67	2.52	13
14	-.17	1.31	-.82	4.41	7.60	3.04	14
15	-.82	-.33	-.99	4.71	5.53	4.15	15
16	.73	.98	.32	3.81	4.33	3.12	16
17	-.17	-.00	-1.15	.46	4.50	-.92	17
18	-.17	.49	-.33	-1.01	2.18	-1.61	18
19	3.11	12.11	-.66	8.33	11.21	3.72	19
20	-10.32	6.22	-16.87	5.79	7.34	2.86	20
21	.65	1.63	.49	6.48	6.91	4.67	21
22	-.17	.49	-1.48	6.09	7.25	5.27	22
23	8.26	20.79	-.33	8.20	11.21	4.07	23
24	-2.62	2.45	-20.80	7.64	8.45	2.09	24
25	-1.48	-.00	-2.95	3.85	5.02	3.21	25
26	-.58	-.00	-.82	3.72	5.44	3.29	26
27	-.58	1.31	-1.97	3.47	4.07	2.43	27
28	-1.64	-.50	-2.13	3.25	4.15	2.09	28
29	.65	1.31	-1.31	4.59	5.27	3.98	29
30	-.17	1.14	-1.31	-4.06	7.85	-7.80	30
31	1.31	1.47	.32	3.21	4.59	2.52	31
32	-.74	.16	-.99	2.78	5.96	2.09	32
33	-.17	.16	-.50	4.97	5.88	3.12	33
34	-.17	1.14	-.66	6.95	7.68	5.96	34
35	-2.30	-.82	-2.62	6.69	7.34	6.31	35
36	-1.64	1.47	-2.13	-.40	3.64	-1.26	36
37	-1.81	-1.64	-2.30	6.13	7.51	5.19	37
38	3.92	34.21	-3.44	4.24	5.44	-1.87	38
39	-16.13	2.61	-39.13	-7.37	13.79	-10.21	39
40	.16	.81	-1.48	7.08	7.60	5.88	40
41	2.45	3.11	1.80	6.52	7.25	5.79	41
42	.81	3.76	-.00	3.04	5.79	2.26	42
43	-.17	2.12	-.99	-.83	.71	-1.78	43
44	-.17	1.31	-.33	-2.64	-.66	-5.22	44
45	-.17	.49	-.50	-3.41	-1.87	-7.28	45
46	-.66	1.80	-.99	-6.30	-5.31	-7.54	46
47	-1.81	1.80	-2.13	-7.80	-2.64	-8.06	47
48	-.17	.32	-.99	-6.12	-5.05	-6.68	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-.91	-.50	-1.31	-7.97	-6.43	-8.75	49
50	-.17	.98	-.66	-8.66	-6.43	-9.95	50
51	.90	1.14	-.00	-8.45	-5.91	-8.75	51
52	-.33	.49	-.50	.93	1.57	-1.18	52
53	.49	1.14	-.00	2.91	3.81	.89	53
54	.81	2.61	-1.64	2.26	3.81	1.57	54
55	-.66	-.17	-3.28	3.55	4.24	2.95	55
56	-.25	.32	-1.31	4.20	6.48	3.64	56
57	-.66	.16	-1.97	5.83	6.31	4.50	57
58	-1.89	.49	-3.93	-4.06	3.64	-4.62	58
59	1.63	1.96	-.17	-.71	-.15	-2.30	59
60	-.25	.98	-.66	-3.07	-2.38	-3.93	60
61	.49	1.47	-1.48	-7.59	-2.13	-7.89	61
62	-.17	.81	-1.15	-.36	.28	-2.21	62
63	-1.31	-.17	-1.48	-2.25	-.83	-3.76	63
64	1.63	3.43	.81	2.43	3.04	1.14	64
65	-.66	-.17	-1.31	-1.35	-.23	-1.95	65
66	-.99	-.82	-2.79	-1.78	-.83	-2.21	66
67	-.74	-.50	-1.48	-2.60	-1.78	-4.88	67
68	-1.15	-.82	-1.48	-5.05	-4.10	-5.39	68
69	-.66	1.80	-1.97	-8.36	-5.56	-8.92	69
70	-1.81	.98	-1.97	-7.46	-6.77	-8.58	70
71	1.39	9.00	-2.46	5.32	5.53	2.35	71
72	20.29	36.34	19.64	4.11	4.50	3.21	72
73	-16.30	.49	-49.45	-3.50	4.07	-11.16	73
74	-1.15	.65	-2.95	4.97	5.62	3.90	74
75	3.35	3.76	1.96	4.46	5.10	3.55	75
76	1.22	2.45	.49	1.83	2.86	1.06	76
77	.49	2.29	-.66	-5.31	3.55	-14.17	77
78	2.12	3.43	1.47	-1.18	2.52	-1.69	78
79	-13.59	-3.61	-53.38	-7.59	2.26	-14.85	79
80	-.17	3.60	-1.48	5.79	11.55	-.49	80

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	166700.00	20100.00	230800.00	140100.00	-2712.00	84820.00	2
4	244500.00	12320.00	263300.00	230800.00	5776.00	44190.00	4
5	253500.00	14910.00	272300.00	230800.00	-474.00	48660.00	5
6	263900.00	69370.00	343600.00	160800.00	2204.00	43300.00	6
7	254800.00	51220.00	372200.00	177700.00	52190.00	121000.00	7
8	220500.00	12960.00	245100.00	201000.00	-27.50	58930.00	8
9	162100.00	11670.00	182900.00	142700.00	-2712.00	74100.00	9
10	140100.00	7784.00	151800.00	111600.00	-2272.00	71870.00	10
11	218500.00	13620.00	238600.00	199700.00	4872.00	74550.00	11
12	274900.00	15560.00	290500.00	246400.00	7104.00	73220.00	12
13	291100.00	22700.00	317700.00	263300.00	13350.00	79460.00	13
14	286600.00	24640.00	328100.00	255500.00	14250.00	78560.00	14
15	298300.00	28530.00	341100.00	267200.00	12460.00	82140.00	15
16	302800.00	34360.00	350100.00	246400.00	12460.00	85710.00	16
17	200400.00	12320.00	225700.00	137500.00	864.00	81250.00	17
18	177000.00	17500.00	203600.00	116800.00	-32.00	72320.00	18
19	197800.00	31770.00	246400.00	119300.00	3536.00	76780.00	19
20	179600.00	21390.00	238600.00	124500.00	408.00	79020.00	20
21	140700.00	25280.00	208800.00	101200.00	9784.00	80360.00	21
22	131700.00	16210.00	207500.00	41560.00	-7624.00	88840.00	22
23	233400.00	25930.00	274900.00	173800.00	-1376.00	78130.00	23
24	233400.00	33710.00	324200.00	179000.00	-4504.00	91960.00	24
25	180900.00	11020.00	203600.00	93410.00	-3608.00	74100.00	25
26	192000.00	12960.00	247700.00	166000.00	-32.00	81250.00	26
27	142000.00	20100.00	194500.00	64890.00	-1824.00	86610.00	27
28	223100.00	20750.00	247200.00	150500.00	2640.00	84820.00	28
29	223100.00	18160.00	272300.00	99890.00	-2272.00	99550.00	29
30	150500.00	19450.00	277500.00	50630.00	-928.00	89280.00	30
31	240700.00	20750.00	291800.00	239900.00	23630.00	79910.00	31
32	263300.00	22040.00	290500.00	241200.00	33900.00	79460.00	32
33	274200.00	32410.00	315100.00	225700.00	10230.00	72760.00	33
34	245900.00	27230.00	294400.00	238600.00	8000.00	74990.00	34
35	199200.00	26300.00	249700.00	33780.00	8449.00	70980.00	35
36	179600.00	23980.00	208800.00	33780.00	-928.00	70530.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	19650.00	80510.00	-13990.00	98740.00	9144.00	97190.00	2
4	-3996.00	48670.00	-76.00	49820.00	-12840.00	55850.00	4
5	-1267.00	55040.00	-6809.00	52960.00	-9317.00	61130.00	5
6	4646.00	41850.00	-4565.00	49820.00	-2719.00	49260.00	6
7	7824.00	110500.00	52430.00	134700.00	8272.00	120100.00	7
8	6465.00	56400.00	-8159.00	66880.00	-1400.00	65530.00	8
9	8740.00	73230.00	-12210.00	85280.00	2552.00	86200.00	9
10	9649.00	72320.00	-11750.00	82140.00	1232.00	84000.00	10
11	7824.00	74140.00	-528.00	86180.00	-88.00	83560.00	11
12	9642.00	73220.00	3952.00	85280.00	2992.00	84000.00	12
13	6920.00	81420.00	10690.00	93810.00	6064.00	95870.00	13
14	7824.00	80510.00	9336.00	96950.00	3864.00	95430.00	14
15	11920.00	82780.00	10690.00	96500.00	10020.00	97190.00	15
16	10550.00	87780.00	7096.00	106400.00	8272.00	104200.00	16
17	12830.00	77320.00	-8160.00	94700.00	7824.00	89710.00	17
18	13740.00	69130.00	-12660.00	83940.00	3872.00	84880.00	18
19	16920.00	75050.00	-5920.00	91570.00	13540.00	84870.00	19
20	12830.00	77320.00	-15340.00	92020.00	3424.00	94110.00	20
21	18290.00	80960.00	368.00	96050.00	15300.00	95430.00	21
22	13290.00	87780.00	-22980.00	105000.00	4312.00	108200.00	22
23	4456.00	77320.00	-8168.00	88420.00	-2728.00	90600.00	23
24	4000.00	89600.00	-13100.00	105900.00	-3168.00	105100.00	24
25	8285.00	73680.00	-13100.00	84380.00	-2728.00	87080.00	25
26	11010.00	79140.00	-12210.00	94260.00	352.00	94560.00	26
27	14190.00	86880.00	-12200.00	100500.00	4312.00	102900.00	27
28	4456.00	82780.00	-5472.00	95600.00	792.00	95000.00	28
29	16010.00	97780.00	-14450.00	118000.00	7832.00	118700.00	29
30	14460.00	86420.00	-9960.00	103700.00	6512.00	106900.00	30
31	-5368.00	85510.00	26410.00	90670.00	-15040.00	93230.00	31
32	-4008.00	75960.00	-21180.00	94260.00	-20760.00	100700.00	32
33	12360.00	75050.00	4408.00	87530.00	9152.00	87520.00	33
34	7368.00	76410.00	6200.00	87530.00	-9320.00	99830.00	34
35	1456.00	72320.00	1704.00	89320.00	3872.00	86640.00	35
36	3733.00	69130.00	-10860.00	81240.00	-9768.00	82680.00	36

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	297800.00	15380.00	361800.00	273400.00	5600.00	84910.00	2
4	309300.00	10260.00	329400.00	299000.00	3636.00	30020.00	4
5	320200.00	14740.00	340000.00	291300.00	4426.00	33970.00	5
6	308600.00	63450.00	411800.00	240100.00	-1894.00	32390.00	6
7	322100.00	49990.00	406700.00	233600.00	33260.00	81750.00	7
8	345800.00	9608.00	356700.00	323400.00	4821.00	43840.00	8
9	269500.00	14100.00	290100.00	245200.00	4024.00	78600.00	9
10	206100.00	14740.00	229800.00	191400.00	-320.00	82940.00	10
11	271500.00	17300.00	295200.00	247800.00	4416.00	90050.00	11
12	318300.00	20510.00	345200.00	292600.00	11920.00	89650.00	12
13	346500.00	34610.00	381100.00	305400.00	18240.00	119700.00	13
14	342000.00	30120.00	372100.00	300300.00	19430.00	120900.00	14
15	340000.00	34610.00	386200.00	305400.00	34820.00	124400.00	15
16	348900.00	53190.00	422100.00	284900.00	29700.00	164300.00	16
17	272100.00	16660.00	326000.00	245200.00	464.00	83730.00	17
18	292600.00	17940.00	334900.00	245200.00	1648.00	76220.00	18
19	309300.00	30760.00	372100.00	251600.00	9553.00	62000.00	19
20	298400.00	22430.00	355400.00	267000.00	-320.00	86100.00	20
21	340000.00	16000.00	384900.00	226000.00	72.00	93610.00	21
22	227200.00	23070.00	250300.00	163200.00	-5056.00	135100.00	22
23	304800.00	19870.00	324700.00	234900.00	2048.00	87680.00	23
24	378500.00	39740.00	440000.00	238800.00	5208.00	109000.00	24
25	197800.00	19230.00	283600.00	174700.00	-3080.00	98340.00	25
26	318300.00	19230.00	337500.00	242600.00	2048.00	99520.00	26
27	262200.00	18590.00	273400.00	204200.00	4416.00	100300.00	27
28	301000.00	27560.00	350300.00	226000.00	-3480.00	129500.00	28
29	245700.00	34610.00	414400.00	229800.00	-7040.00	127600.00	29
30	311800.00	30760.00	367000.00	213200.00	-7032.00	150500.00	30
31	313100.00	21790.00	343900.00	276000.00	9952.00	83730.00	31
32	308000.00	25630.00	350300.00	282400.00	14290.00	92820.00	32
33	315000.00	39100.00	354100.00	264400.00	18640.00	94000.00	33
34	313800.00	37820.00	351600.00	276000.00	11140.00	87280.00	34
35	254100.00	66010.00	322100.00	50360.00	17060.00	185600.00	35
36	172100.00	30770.00	358000.00	117000.00	72.00	85700.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	448.00	87020.00	-8368.00	78450.00	8184.00	79370.00	2
4	-1550.00	93690.00	-7462.00	29140.00	9091.00	31570.00	4
5	-3155.00	36090.00	-8807.00	31380.00	5483.00	31570.00	5
6	6471.00	32890.00	-13290.00	33170.00	13600.00	32470.00	6
7	12480.00	83820.00	24220.00	66340.00	23970.00	74410.00	7
8	5669.00	40910.00	-3876.00	41690.00	10440.00	40140.00	8
9	848.00	81810.00	-6568.00	73060.00	9088.00	74860.00	9
10	1248.00	87020.00	-11950.00	75760.00	10440.00	78920.00	10
11	-2360.00	95450.00	-7024.00	79790.00	5480.00	88390.00	11
12	-4368.00	91040.00	1944.00	77100.00	968.00	83880.00	12
13	-11180.00	116300.00	10460.00	108000.00	-7152.00	103700.00	13
14	-9976.00	119900.00	5080.00	104400.00	-6248.00	107300.00	14
15	-3968.00	127500.00	17640.00	99960.00	-384.00	108700.00	15
16	-5168.00	153600.00	10020.00	147000.00	7728.00	128500.00	16
17	-752.00	90640.00	-8368.00	78450.00	2768.00	83890.00	17
18	2856.00	77400.00	-9255.00	73960.00	3216.00	75310.00	18
19	4465.00	61360.00	-1635.00	60960.00	12240.00	55470.00	19
20	-4768.00	91440.00	-5232.00	83380.00	64.00	87490.00	20
21	6064.00	95860.00	-11950.00	90990.00	14490.00	88390.00	21
22	-2760.00	140000.00	-14640.00	125100.00	3672.00	128100.00	22
23	-1960.00	92650.00	-7024.00	79790.00	4576.00	82980.00	23
24	-11580.00	111900.00	-2536.00	98620.00	-5800.00	102400.00	24
25	-7176.00	102700.00	-8816.00	87860.00	1416.00	95160.00	25
26	-1552.00	103500.00	-12850.00	90990.00	2776.00	95610.00	26
27	-3560.00	108700.00	-6576.00	93680.00	2320.00	101500.00	27
28	-13980.00	135200.00	-7464.00	125100.00	-16620.00	127600.00	28
29	-11180.00	137200.00	-6576.00	122400.00	-15720.00	134800.00	29
30	-11980.00	159600.00	-18670.00	139900.00	-6696.00	151100.00	30
31	848.00	85020.00	1048.00	73510.00	968.00	76660.00	31
32	-10780.00	93440.00	1496.00	84710.00	-11210.00	87940.00	32
33	-1960.00	95050.00	9568.00	82030.00	3672.00	87500.00	33
34	1648.00	84220.00	1496.00	73340.00	-7608.00	78920.00	34
35	11670.00	181700.00	-10610.00	163200.00	7280.00	161500.00	35
36	2448.00	85020.00	-10610.00	86960.00	10430.00	82530.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.30	263.70	1.01	1.09	.95	2
4	264.00	264.10	263.50	.99	1.00	.98	4
5	263.60	264.30	263.10	1.00	1.02	.97	5
6	264.30	265.10	263.50	1.00	1.06	.93	6
7	264.00	265.30	262.90	.98	1.03	.97	7
8	263.50	264.10	263.30	1.02	1.03	1.00	8
9	264.70	264.90	264.10	1.05	1.11	1.03	9
10	263.90	264.10	262.80	1.02	1.06	.96	10
11	264.30	264.40	263.30	1.03	1.11	.92	11
12	264.10	264.30	263.50	1.00	1.09	.92	12
13	264.10	264.40	263.90	1.06	1.09	.99	13
14	264.10	264.30	263.90	1.03	1.12	.90	14
15	264.20	264.40	263.50	1.01	1.06	.84	15
16	264.00	264.40	263.70	1.10	1.19	.96	16
17	264.30	264.90	263.10	1.20	1.32	1.04	17
18	263.30	264.30	263.10	1.10	1.30	1.05	18
19	263.50	264.60	262.60	1.03	1.20	.98	19
20	264.80	265.40	262.60	1.34	1.39	1.03	20
21	264.60	265.40	262.80	1.16	1.38	.99	21
22	266.60	269.60	261.40	.87	1.51	.68	22
23	264.50	269.40	262.80	.92	1.07	.90	23
24	267.70	271.80	262.20	1.20	1.51	.98	24
25	264.80	266.20	262.20	1.26	1.34	1.02	25
26	263.10	264.40	262.20	1.16	1.25	1.02	26
27	264.60	266.60	261.60	1.21	1.47	1.03	27
28	264.20	264.40	262.20	1.23	1.52	1.07	28
29	264.30	267.00	261.60	1.17	1.63	1.05	29
30	265.20	269.60	262.40	1.40	1.74	.99	30
31	263.20	264.40	262.90	.96	1.02	.94	31
32	264.20	264.40	263.90	1.05	1.09	1.00	32
33	263.90	265.10	263.50	1.04	1.13	.98	33
34	264.40	264.90	263.90	1.01	1.05	.97	34
35	267.70	270.10	263.90	1.05	1.61	.82	35
36	264.70	266.00	261.40	1.06	1.14	.93	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.25	1.63	-2.30	-2.38	-.06	-4.27	2
4	-2.46	-1.81	-3.11	2.13	2.52	2.00	4
5	-1.81	-.82	-2.46	2.61	3.64	2.43	5
6	-.33	-.00	-.82	3.04	4.33	1.92	6
7	-2.38	-.99	-3.93	5.10	5.70	3.90	7
8	-1.64	-1.48	-1.81	1.70	2.52	.46	8
9	-2.54	-1.97	-3.11	1.70	4.67	1.40	9
10	-2.05	-.82	-2.30	-3.93	-2.21	-4.53	10
11	.24	.81	-.50	-1.61	-1.18	-5.05	11
12	.57	1.14	.16	-6.08	-4.36	-6.77	12
13	-1.07	-.33	-1.31	-6.77	-6.43	-7.46	13
14	-.17	.81	-.33	-7.80	-6.43	-9.69	14
15	-1.56	-.50	-2.79	-9.05	-5.82	-9.35	15
16	-1.31	.49	-1.64	-7.46	-3.50	-9.61	16
17	-9.50	35.36	-38.48	5.75	8.37	-3.33	17
18	-18.75	-3.44	-38.64	-.02	14.91	-4.88	18
19	19.72	28.48	17.18	11.77	16.63	8.37	19
20	-22.11	-19.82	-46.34	.93	11.55	-7.28	20
21	18.33	42.89	-.82	3.42	12.67	1.14	21
22	-.17	.49	-.82	-.71	7.25	-15.89	22
23	-1.81	-1.31	-2.13	-3.24	-2.90	-4.45	23
24	-.82	-.00	-1.64	-2.60	-1.61	-4.27	24
25	-26.37	-18.83	-32.75	-1.74	2.78	-6.34	25
26	9.74	36.99	-10.97	-2.04	2.86	-10.30	26
27	-24.48	14.73	-44.86	-.92	3.90	-3.59	27
28	10.31	51.07	-7.04	-8.15	2.52	-11.76	28
29	-34.06	-2.79	-57.47	5.23	8.89	-4.88	29
30	33.80	54.02	-4.75	3.21	7.77	-3.59	30
31	-5.90	-2.95	-6.88	-6.81	-6.68	-7.20	31
32	-3.28	-2.13	-3.77	-5.35	-5.05	-6.43	32
33	-1.72	-1.31	-2.13	-4.79	-2.90	-5.39	33
34	-.41	-.17	-1.31	-4.36	-3.93	-4.88	34
35	-2.30	-.82	-4.10	-4.53	2.86	-18.64	35
36	-3.44	.49	-5.24	4.03	6.91	-1.35	36

FLIGHT LOADS

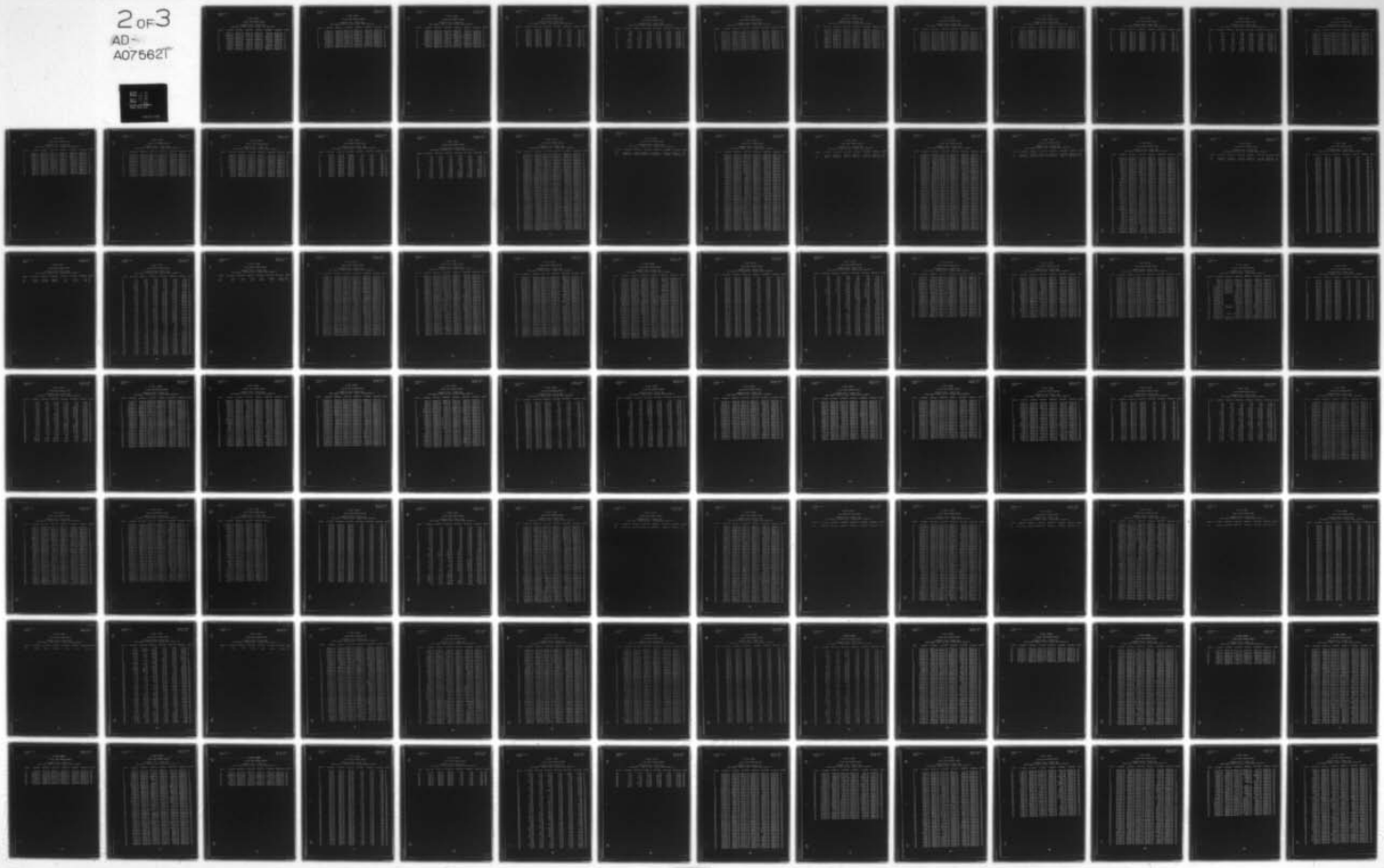
CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	135000.00	8416.00	149900.00	125300.00	7207.00	72350.00	2
3	175200.00	9712.00	192600.00	162900.00	5840.00	80990.00	3
4	177100.00	10350.00	191300.00	146000.00	6752.00	81900.00	4
5	234700.00	12300.00	253400.00	214600.00	5832.00	79180.00	5
6	213300.00	20700.00	252100.00	179700.00	4016.00	80990.00	6
7	142800.00	11000.00	145400.00	129200.00	8122.00	68710.00	7
8	107900.00	11000.00	125300.00	89100.00	2200.00	72810.00	8
9	42520.00	7764.00	60290.00	30880.00	3572.00	59610.00	9
10	284500.00	27170.00	318100.00	212000.00	2200.00	77350.00	10
11	193900.00	25880.00	241800.00	129200.00	5840.00	78270.00	11
12	151200.00	23300.00	253400.00	29580.00	10850.00	75990.00	12

AD-A075 621 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-12 NL

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-4672.00	73330.00	-5696.00	83150.00	4968.00	84090.00	2
3	-4224.00	82720.00	-7048.00	94390.00	4088.00	94650.00	3
4	-3776.00	84060.00	-6144.00	97090.00	3648.00	95090.00	4
5	-1088.00	82270.00	144.00	94380.00	8488.00	88490.00	5
6	2040.00	80940.00	5088.00	93940.00	5408.00	90690.00	6
7	248.00	71100.00	592.00	81360.00	6728.00	78810.00	7
8	5178.00	70650.00	4632.00	80010.00	120.00	79240.00	8
9	4731.00	56790.00	5090.00	64270.00	2768.00	66910.00	9
10	12770.00	73770.00	8680.00	90340.00	2328.00	91130.00	10
11	7408.00	75570.00	10480.00	91250.00	10250.00	92890.00	11
12	3384.00	76900.00	-1208.00	86740.00	8928.00	83650.00	12

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	214600.00	10260.00	232000.00	198600.00	-504.00	79700.00	2
3	242900.00	13480.00	267600.00	224300.00	-2872.00	97060.00	3
4	233200.00	12830.00	247300.00	199900.00	-120.00	103000.00	4
5	291600.00	17330.00	320500.00	273000.00	5408.00	101400.00	5
6	284600.00	23100.00	328200.00	240900.00	18030.00	133800.00	6
7	205000.00	11540.00	226800.00	183200.00	1864.00	89180.00	7
8	140800.00	8984.00	146500.00	131900.00	5016.00	81290.00	8
9	68990.00	10260.00	86940.00	58720.00	-7210.00	68260.00	9
10	321100.00	21440.00	352600.00	237100.00	12120.00	108900.00	10
11	297400.00	35940.00	342300.00	179300.00	27500.00	153500.00	11
12	321800.00	21820.00	347400.00	122900.00	-11170.00	81680.00	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-288.00	83890.00	-4097.00	69550.00	3176.00	74040.00	2
3	-2288.00	100400.00	-6336.00	83460.00	1368.00	88490.00	3
4	-4304.00	106400.00	-5896.00	89290.00	-888.00	94360.00	4
5	-8312.00	104000.00	4424.00	88840.00	-6752.00	95710.00	5
6	-13130.00	132900.00	7560.00	109900.00	-19400.00	112900.00	6
7	-3896.00	92310.00	-6792.00	79420.00	1368.00	84870.00	7
8	-3096.00	84300.00	-3200.00	75820.00	3176.00	82170.00	8
9	11360.00	68240.00	-13070.00	68660.00	16270.00	66370.00	9
10	-10710.00	113600.00	14740.00	99160.00	-10820.00	104300.00	10
11	-9520.00	138900.00	10700.00	135500.00	4528.00	118700.00	11
12	5336.00	78260.00	-17550.00	82110.00	7232.00	77200.00	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.10	264.40	.96	1.00	.94	2
3	264.10	264.40	263.30	.98	1.00	.93	3
4	264.80	265.40	264.30	.95	1.01	.94	4
5	263.50	263.70	263.10	.99	1.02	.94	5
6	264.70	265.30	263.70	.95	1.07	.90	6
7	264.40	264.60	263.90	.95	1.02	.90	7
8	263.10	264.30	262.90	1.00	1.07	.97	8
9	265.10	265.40	264.30	.97	.98	.94	9
10	264.30	265.40	263.50	1.11	1.17	.84	10
11	268.30	268.80	264.90	1.27	1.35	1.05	11
12	264.20	264.90	261.60	1.01	1.09	.95	12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.85	1.09	-.05	-1.15	-.34	-1.36	2
3	-.38	.11	-1.36	-2.43	-2.22	-3.41	3
4	-.05	.93	-.38	-2.60	-2.05	-3.24	4
5	.36	1.58	-.54	-3.54	-2.65	-5.90	5
6	-.13	1.09	-1.68	-4.53	-.76	-4.87	6
7	-3.48	-2.82	-4.13	-1.92	-1.62	-2.39	7
8	-2.09	.60	-5.11	-1.83	-1.45	-2.39	8
9	.60	1.91	-.21	-.38	-.25	-1.53	9
10	-.46	1.09	-1.52	-4.87	-.76	-6.58	10
11	-1.36	-.54	-3.15	.52	5.82	-1.36	11
12	-1.36	2.40	-2.01	7.83	8.13	3.77	12

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	144900.00	12260.00	170800.00	134700.00	-1720.00	73400.00	2
4	226400.00	12920.00	239300.00	207000.00	3648.00	75180.00	4
5	251600.00	21310.00	287100.00	230300.00	7232.00	74290.00	5
6	291000.00	27130.00	336200.00	252200.00	7232.00	77870.00	6
7	307100.00	22600.00	329700.00	266400.00	10820.00	80560.00	7
8	306500.00	23250.00	332300.00	271600.00	6336.00	82350.00	8
9	297400.00	29710.00	347800.00	248300.00	10810.00	83240.00	9
10	285800.00	33580.00	332300.00	234100.00	9920.00	89500.00	10
11	308400.00	21310.00	337500.00	285800.00	10810.00	68920.00	11
12	286400.00	27770.00	347800.00	244500.00	11710.00	71600.00	12
13	289000.00	17440.00	306500.00	261200.00	4992.00	75630.00	13
14	304500.00	22610.00	328400.00	275500.00	7232.00	79660.00	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	8174.00	70980.00	-6120.00	84100.00	5056.00	84140.00	2
4	5440.00	73710.00	-4328.00	85000.00	6816.00	85020.00	4
5	6808.00	74170.00	7376.00	86800.00	7696.00	89420.00	5
6	888.00	80090.00	1520.00	98940.00	6824.00	94710.00	6
7	3616.00	82820.00	-720.00	103000.00	5056.00	97360.00	7
8	5896.00	81450.00	1520.00	103400.00	6816.00	96480.00	8
9	2256.00	85090.00	-3424.00	110200.00	2416.00	100000.00	9
10	-928.00	91010.00	3768.00	109300.00	648.00	107900.00	10
11	7271.00	70990.00	-1624.00	95800.00	8136.00	88100.00	11
12	1808.00	74620.00	-1176.00	97140.00	7256.00	90740.00	12
13	5896.00	75080.00	5120.00	88140.00	7696.00	87660.00	13
14	8168.00	79180.00	-7024.00	103000.00	9024.00	93390.00	14

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	222500.00	12180.00	238500.00	209000.00	-688.00	80160.00	2
4	272500.00	16020.00	288500.00	253900.00	6024.00	75030.00	4
5	296200.00	21790.00	325600.00	274400.00	12740.00	77790.00	5
6	371200.00	31410.00	403800.00	300000.00	17480.00	105400.00	6
7	349400.00	28840.00	393600.00	319200.00	10370.00	110200.00	7
8	341500.00	32050.00	393600.00	319200.00	-6208.00	101500.00	8
9	373700.00	36530.00	411500.00	302600.00	1658.00	129100.00	9
10	349200.00	42300.00	411500.00	300000.00	10370.00	117300.00	10
11	359000.00	26920.00	387200.00	319200.00	-2656.00	82930.00	11
12	380100.00	35260.00	415400.00	300000.00	5232.00	107400.00	12
13	332000.00	24350.00	345400.00	307700.00	-2264.00	84900.00	13
14	351300.00	30770.00	388400.00	312800.00	-10160.00	99900.00	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	2760.00	83460.00	-8424.00	72550.00	8192.00	75340.00	2
4	2360.00	79850.00	-816.00	69410.00	5928.00	73990.00	4
5	2368.00	82260.00	6352.00	72100.00	7736.00	76700.00	5
6	-8872.00	107900.00	13510.00	92700.00	-5800.00	102900.00	6
7	-5664.00	105500.00	-3048.00	107500.00	-4896.00	98350.00	7
8	-2048.00	91490.00	-16940.00	97180.00	-7608.00	85720.00	8
9	-15290.00	116000.00	-5632.00	120900.00	-24740.00	111000.00	9
10	-8872.00	116000.00	1872.00	106100.00	-8048.00	106900.00	10
11	1560.00	71830.00	-5296.00	74780.00	-20230.00	84820.00	11
12	-7272.00	103900.00	-360.00	96730.00	-4448.00	99710.00	12
13	-440.00	78650.00	-6184.00	79260.00	-11210.00	76700.00	13
14	-1248.00	82660.00	-13800.00	93140.00	-22040.00	92040.00	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.30	264.60	263.50	.98	1.04	.96	2
4	264.30	264.40	263.90	.97	1.02	.95	4
5	264.80	264.90	263.70	.93	1.10	.86	5
6	264.60	264.90	263.50	1.01	1.10	.86	6
7	263.90	264.40	263.70	1.00	1.10	.94	7
8	264.20	264.40	263.90	1.03	1.09	.93	8
9	264.20	264.90	263.50	.98	1.17	.84	9
10	264.40	264.90	263.70	1.16	1.22	.94	10
11	264.00	264.40	263.90	.93	1.02	.89	11
12	264.60	265.10	263.70	1.05	1.18	.79	12
13	264.40	264.60	263.90	1.01	1.09	.94	13
14	264.10	264.30	263.70	1.01	1.04	.95	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TGGW 20800 TGCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.49	.16	-.98	-1.61	-1.48	-2.70	2
4	-.41	.16	-.98	-5.05	-4.35	-5.66	4
5	-.16	.49	-.49	-6.27	-4.53	-7.32	5
6	.41	1.14	-.65	-5.31	-3.92	-8.10	6
7	-.16	.49	-.65	-6.79	-5.49	-7.23	7
8	-.16	.82	-.65	-6.18	-6.01	-7.14	8
9	-.57	.49	-1.47	-7.84	-4.44	-9.41	9
10	.16	1.14	-1.14	-7.58	-5.23	-8.89	10
11	.74	1.14	.33	-7.10	-6.01	-7.49	11
12	.25	1.31	-2.60	-5.14	-3.31	-9.24	12
13	-.41	.33	-.98	-6.01	-5.40	-7.23	13
14	-.81	-.49	-2.12	-8.23	-7.32	-8.45	14

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
3	217200.00	20690.00	237900.00	191300.00	-4375.00	43820.00	3
4	215900.00	16810.00	243100.00	199100.00	-6611.00	43370.00	4
5	208200.00	16810.00	250800.00	191300.00	-9741.00	45610.00	5
6	236600.00	14220.00	250800.00	212000.00	-11080.00	47840.00	6
7	148700.00	7760.00	156400.00	134400.00	-4375.00	69750.00	7
8	130600.00	10340.00	155100.00	115100.00	-2152.00	71100.00	8
9	119600.00	8408.00	128000.00	104700.00	-1256.00	71100.00	9
10	116300.00	10340.00	126700.00	96940.00	-1696.00	72430.00	10
11	128600.00	9696.00	146100.00	116400.00	-1248.00	81820.00	11
12	118300.00	8400.00	134400.00	104700.00	-2592.00	74220.00	12
13	129300.00	7760.00	139600.00	117600.00	-2592.00	72430.00	13
14	133800.00	7112.00	144800.00	124100.00	-3936.00	71090.00	14
15	144800.00	6472.00	157700.00	135700.00	-4376.00	70650.00	15
16	175200.00	8408.00	191300.00	164200.00	-2144.00	72880.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
3	-1587.00	43670.00	-12100.00	54360.00	-6569.00	50210.00	3
4	-3862.00	46860.00	-6704.00	51660.00	-9211.00	54610.00	4
5	-2497.00	50950.00	-10750.00	55710.00	-8337.00	59900.00	5
6	-4771.00	51410.00	-11650.00	59300.00	-8777.00	61220.00	6
7	7508.00	68240.00	-10760.00	79060.00	2672.00	79710.00	7
8	10700.00	67780.00	-8504.00	80410.00	4432.00	81470.00	8
9	10240.00	66420.00	-8512.00	81310.00	4432.00	78830.00	9
10	11150.00	67330.00	-8064.00	81760.00	3992.00	80150.00	10
11	9320.00	79160.00	-8056.00	91640.00	6192.00	89410.00	11
12	9783.00	73240.00	-8056.00	84460.00	4000.00	84560.00	12
13	9782.00	72330.00	-10750.00	82660.00	3120.00	84560.00	13
14	8877.00	70520.00	-10300.00	81310.00	1352.00	82790.00	14
15	7966.00	70510.00	-10750.00	80860.00	-856.00	83240.00	15
16	9786.00	68690.00	-6712.00	83110.00	2672.00	80590.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
3	265300.00	15380.00	293500.00	247400.00	2985.00	29560.00	3
4	276800.00	12820.00	289600.00	260200.00	-168.50	17740.00	4
5	273600.00	12180.00	289600.00	256300.00	-2140.00	13400.00	5
6	280700.00	14090.00	294800.00	256300.00	-168.50	23260.00	6
7	245400.00	10890.00	256300.00	226900.00	-1358.00	65440.00	7
8	241600.00	14740.00	245300.00	225600.00	3380.00	50460.00	8
9	228800.00	13460.00	244800.00	214000.00	4168.00	44150.00	9
10	236500.00	13460.00	252500.00	219200.00	2591.00	35480.00	10
11	241000.00	8976.00	258900.00	232000.00	3774.00	50060.00	11
12	225600.00	7688.00	239700.00	216600.00	3380.00	50460.00	12
13	228800.00	7048.00	235800.00	214000.00	620.00	58730.00	13
14	210200.00	8976.00	225600.00	201200.00	-1752.00	68980.00	14
15	217900.00	11530.00	232000.00	205100.00	-2544.00	79230.00	15
16	247400.00	10250.00	257600.00	224300.00	1000.00	73320.00	16

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
3	-877.50	31650.00	-6437.00	30910.00	-956.50	30670.00	3
4	-2881.00	18430.00	-1510.00	19710.00	-7723.00	19400.00	4
5	-1679.00	12420.00	-6885.00	17020.00	-1408.00	16690.00	5
6	-1278.00	22440.00	-3302.00	23290.00	-956.50	21650.00	6
7	-2488.00	67720.00	-7789.00	61830.00	2652.00	59540.00	7
8	-76.50	50880.00	-5541.00	47930.00	2201.00	45560.00	8
9	-4083.00	44470.00	-1958.00	41660.00	1750.00	40590.00	9
10	-6086.00	36860.00	-2854.00	34490.00	-3663.00	33380.00	10
11	-4083.00	47680.00	-1958.00	46140.00	847.50	45100.00	11
12	-76.50	53290.00	-4198.00	47490.00	4005.00	50970.00	12
13	1126.00	61700.00	-9573.00	55550.00	5809.00	57280.00	13
14	1112.00	72120.00	-10480.00	64520.00	8058.00	65850.00	14
15	712.00	82940.00	-11370.00	72580.00	7608.00	74420.00	15
16	1120.00	77730.00	-10480.00	68100.00	6260.00	70360.00	16

CHECKED BY:
DATE:

D210-11168-3
VOLUME 12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TOGW 24800 TOCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
3	263.20	264.40	262.90	.98	1.02	.97	3
4	263.80	264.30	263.50	1.00	1.01	.97	4
5	264.30	264.40	263.70	1.00	1.02	.98	5
6	264.10	264.40	263.90	1.01	1.02	.97	6
7	264.20	264.60	264.10	1.00	1.02	.96	7
8	264.80	265.10	264.10	1.00	1.01	.98	8
9	264.30	264.60	264.30	1.01	1.02	.98	9
10	264.00	264.40	263.90	.98	1.02	.97	10
11	264.00	264.60	263.90	1.01	1.06	.98	11
12	264.80	264.90	264.40	1.06	1.07	.98	12
13	263.90	264.60	263.70	.98	1.02	.97	13
14	264.30	264.60	264.30	.99	1.01	.97	14
15	263.90	264.40	263.70	1.02	1.03	.97	15
16	264.10	264.40	263.70	.96	1.00	.90	16

CHECKED BY:
DATE:

0210-11168-3
VOLUME 12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
3	.02	2.10	-.73	5.73	6.51	4.43	3
4	.68	1.43	.27	5.12	6.34	4.78	4
5	.68	1.76	-.06	5.64	6.51	5.30	5
6	.68	1.27	-.23	6.47	7.55	5.73	6
7	.77	1.10	.10	-1.07	-.68	-2.59	7
8	.77	1.10	-.56	1.96	2.44	.79	8
9	.77	1.43	.10	1.18	1.57	-.08	9
10	-.40	.60	-.56	.88	1.66	.18	10
11	.60	.93	-.23	.05	1.66	-1.46	11
12	-.40	.27	-.89	-1.12	.88	-2.50	12
13	-.40	-.06	-1.06	-2.29	-.60	-3.11	13
14	-.40	.60	-.56	-2.98	-1.90	-3.63	14
15	-.40	.43	-1.06	-2.76	-1.55	-3.72	15
16	-.98	-.23	-1.39	-3.59	-2.24	-6.23	16

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	213200.00	18150.00	239100.00	192400.00	-2654.00	49650.00	2
3	219000.00	12320.00	236500.00	192400.00	-6233.00	50540.00	3
4	215100.00	13620.00	237800.00	200200.00	-8916.00	46070.00	4
5	217000.00	16860.00	246900.00	196300.00	-11600.00	51440.00	5
6	128300.00	9720.00	139300.00	106900.00	-8472.00	74250.00	6
7	109500.00	7784.00	117200.00	95200.00	-4446.00	69330.00	7
8	116600.00	8432.00	128900.00	96500.00	-2216.00	73350.00	8
9	109500.00	9080.00	119800.00	92610.00	-2216.00	74250.00	9
10	158700.00	9072.00	174300.00	149600.00	-4008.00	75140.00	10
11	159400.00	9720.00	171700.00	148400.00	-2664.00	76490.00	11
12	143200.00	7776.00	153500.00	128900.00	-1320.00	75140.00	12
13	152900.00	8424.00	161300.00	138000.00	-2664.00	75590.00	13
14	260500.00	13610.00	278000.00	240400.00	6280.00	73800.00	14
15	249500.00	22030.00	279300.00	198900.00	1808.00	80960.00	15
16	248800.00	13610.00	267600.00	233900.00	7624.00	75140.00	16
17	219000.00	25280.00	288300.00	182000.00	8072.00	82740.00	17
18	238400.00	13610.00	259800.00	223500.00	8520.00	76940.00	18
19	191800.00	25280.00	259800.00	160000.00	6728.00	80500.00	19
20	309100.00	19450.00	333700.00	283200.00	5392.00	75580.00	20
21	279900.00	22680.00	328500.00	257200.00	7184.00	78270.00	21
22	308400.00	25280.00	335000.00	272800.00	11200.00	80510.00	22
23	292900.00	17500.00	316800.00	275400.00	7624.00	76040.00	23
24	288300.00	23330.00	324600.00	249500.00	6288.00	79170.00	24
25	292200.00	18140.00	316800.00	272800.00	8520.00	77830.00	25
26	294200.00	29170.00	331100.00	241700.00	10760.00	83640.00	26
27	294200.00	17500.00	323300.00	276700.00	7184.00	77380.00	27
28	314300.00	19450.00	336300.00	288300.00	5840.00	76930.00	28
29	122400.00	9080.00	135400.00	112000.00	-5342.00	69330.00	29
30	125700.00	8424.00	135400.00	116000.00	-4894.00	68880.00	30
31	117900.00	8432.00	127600.00	106900.00	-2664.00	71110.00	31
32	110100.00	8432.00	123700.00	101700.00	-872.00	74700.00	32
33	106900.00	10380.00	122400.00	93900.00	-872.00	73800.00	33
34	109000.00	10370.00	113300.00	87420.00	-3112.00	76040.00	34
35	113400.00	7784.00	122400.00	101700.00	-3560.00	73800.00	35
36	122400.00	7784.00	134100.00	114600.00	-3112.00	73350.00	36
37	124400.00	7128.00	135400.00	117200.00	-3560.00	72010.00	37
38	128900.00	7776.00	139300.00	119800.00	-4896.00	71570.00	38
39	152900.00	7128.00	160000.00	144500.00	-880.00	68430.00	39
40	150900.00	7776.00	158700.00	140600.00	-872.00	69320.00	40
41	149000.00	8424.00	158700.00	139300.00	-872.00	71110.00	41
42	143200.00	9072.00	152900.00	130200.00	24.00	71110.00	42
43	156800.00	7128.00	170400.00	149600.00	-2656.00	68430.00	43
44	240400.00	14260.00	254600.00	218400.00	4048.00	70670.00	44
45	240400.00	14260.00	254600.00	220900.00	4048.00	69780.00	45
46	212500.00	20100.00	275400.00	182000.00	4936.00	74250.00	46
47	230700.00	13610.00	245600.00	217100.00	4500.00	69320.00	47
48	195700.00	18790.00	246300.00	171700.00	4944.00	75140.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	222200.00	14260.00	237800.00	202800.00	7180.00	72000.00	49
50	200800.00	17500.00	253300.00	174300.00	6736.00	77820.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-3616.00	50990.00	-10950.00	57540.00	-2252.00	59040.00	2
3	-1795.00	50080.00	-6908.00	60690.00	-5784.00	59930.00	3
4	-2705.00	48260.00	-9152.00	54850.00	-4896.00	57280.00	4
5	-7258.00	53720.00	-11400.00	62490.00	-11510.00	63890.00	5
6	9131.00	73750.00	-13210.00	84970.00	7432.00	87240.00	6
7	8214.00	67370.00	-8712.00	79580.00	3912.00	80180.00	7
8	9127.00	69190.00	-6464.00	83620.00	5664.00	82830.00	8
9	9583.00	69650.00	-6016.00	84060.00	6104.00	83270.00	9
10	10040.00	71020.00	-6912.00	85870.00	6992.00	85040.00	10
11	7760.00	74210.00	-5568.00	88110.00	6112.00	85040.00	11
12	6392.00	73750.00	-5560.00	86310.00	5224.00	83270.00	12
13	6848.00	74210.00	-2872.00	86310.00	5672.00	84600.00	13
14	5024.00	76030.00	4776.00	89460.00	6552.00	89880.00	14
15	5024.00	80580.00	728.00	93510.00	4792.00	92520.00	15
16	5480.00	76490.00	3880.00	89460.00	6112.00	90320.00	16
17	16.00	88320.00	6128.00	98000.00	-4464.00	102700.00	17
18	2752.00	78300.00	5224.00	89910.00	4352.00	92080.00	18
19	-432.00	84220.00	2976.00	93950.00	-1816.00	97370.00	19
20	7304.00	76490.00	5672.00	89460.00	5232.00	90320.00	20
21	2296.00	81500.00	4328.00	94410.00	-56.00	95610.00	21
22	-1800.00	84680.00	8824.00	93510.00	-3144.00	97820.00	22
23	3664.00	78300.00	7928.00	89910.00	2592.00	91200.00	23
24	928.00	81040.00	8824.00	94410.00	-496.00	94290.00	24
25	2752.00	80130.00	4776.00	93960.00	3024.00	95170.00	25
26	-2720.00	87410.00	3424.00	97100.00	-3144.00	101300.00	26
27	7296.00	78300.00	6128.00	91710.00	6112.00	92080.00	27
28	6848.00	76940.00	4776.00	89460.00	5232.00	90320.00	28
29	8670.00	67830.00	-13200.00	78670.00	384.00	79310.00	29
30	8670.00	67830.00	-14550.00	79130.00	824.00	79750.00	30
31	10040.00	68280.00	-10950.00	80920.00	1704.00	80630.00	31
32	11860.00	70110.00	-8712.00	84070.00	4344.00	83270.00	32
33	9584.00	70560.00	-10060.00	82720.00	3464.00	80630.00	33
34	10030.00	74650.00	-10950.00	86310.00	2584.00	86790.00	34
35	10040.00	72840.00	-11410.00	83170.00	3024.00	84590.00	35
36	8675.00	73290.00	-11410.00	84060.00	1704.00	85910.00	36
37	9129.00	71930.00	-12300.00	82270.00	2144.00	83710.00	37
38	7307.00	71930.00	-12760.00	81820.00	-936.00	85030.00	38
39	10040.00	65550.00	-7360.00	78220.00	3472.00	77100.00	39
40	9125.00	67370.00	-6912.00	78670.00	4792.00	76660.00	40
41	9127.00	69190.00	-7816.00	81370.00	4792.00	78420.00	41
42	9582.00	68740.00	-6456.00	80920.00	3912.00	78420.00	42
43	10040.00	65550.00	-9160.00	79130.00	824.00	77990.00	43
44	5939.00	70560.00	1624.00	81820.00	3464.00	81510.00	44
45	7760.00	69650.00	3432.00	80920.00	5232.00	80620.00	45
46	2296.00	76020.00	2976.00	84960.00	-1376.00	86350.00	46
47	5945.00	68740.00	1624.00	80920.00	1704.00	79750.00	47
48	1840.00	78300.00	-1968.00	87220.00	-64.00	89440.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	3200.00	72380.00	2976.00	83170.00	384.00	83710.00	49
50	-888.00	81940.00	4776.00	89460.00	-5344.00	93840.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	266900.00	16740.00	291400.00	248900.00	-2395.00	26510.00	2
3	249500.00	9008.00	283600.00	254000.00	-4373.00	21370.00	3
4	249500.00	11580.00	281100.00	252800.00	-1208.00	18200.00	4
5	272100.00	10300.00	288800.00	251500.00	-1603.00	24930.00	5
6	233400.00	11580.00	248900.00	212800.00	-8334.00	68850.00	6
7	228900.00	8368.00	237300.00	215400.00	-5165.00	57770.00	7
8	241800.00	7088.00	250200.00	227000.00	-3977.00	52620.00	8
9	242500.00	6440.00	248900.00	227000.00	375.00	42730.00	9
10	231500.00	12230.00	246300.00	212800.00	-4776.00	76360.00	10
11	238600.00	10300.00	252800.00	227000.00	-2791.00	66470.00	11
12	231500.00	9656.00	242400.00	220600.00	-20.50	56580.00	12
13	248200.00	9656.00	261800.00	237300.00	3145.00	51830.00	13
14	313900.00	18670.00	345400.00	288800.00	5912.00	75180.00	14
15	344200.00	24460.00	368600.00	275900.00	7880.00	101700.00	15
16	319100.00	21250.00	341600.00	295200.00	7099.00	70820.00	16
17	330600.00	25100.00	367300.00	273300.00	8280.00	108400.00	17
18	330000.00	19310.00	351900.00	303000.00	9078.00	61720.00	18
19	289400.00	23820.00	350600.00	263100.00	14220.00	90620.00	19
20	352500.00	25100.00	380200.00	321000.00	5904.00	82300.00	20
21	350600.00	29610.00	390500.00	304300.00	16190.00	112400.00	21
22	357700.00	28970.00	394400.00	314500.00	3536.00	86260.00	22
23	357000.00	25750.00	387900.00	326100.00	5112.00	79930.00	23
24	360200.00	28970.00	403400.00	312000.00	14220.00	107200.00	24
25	371800.00	27680.00	399500.00	337700.00	7095.00	71610.00	25
26	385400.00	36050.00	435600.00	322300.00	4328.00	102900.00	26
27	357000.00	27030.00	384100.00	327400.00	5512.00	81110.00	27
28	342200.00	28970.00	373800.00	312000.00	3928.00	93770.00	28
29	235400.00	18660.00	254000.00	215400.00	770.50	58950.00	29
30	227600.00	12230.00	239900.00	212800.00	-416.00	60930.00	30
31	226400.00	10940.00	238600.00	214100.00	2749.00	54600.00	31
32	230200.00	12230.00	243700.00	215400.00	2749.00	48270.00	32
33	236700.00	13520.00	255300.00	220600.00	3541.00	40360.00	33
34	220600.00	6440.00	232200.00	214100.00	1958.00	44320.00	34
35	222500.00	7088.00	230900.00	212800.00	1958.00	48270.00	35
36	218600.00	8368.00	227000.00	206400.00	-812.00	61330.00	36
37	209600.00	9656.00	224400.00	200000.00	-3592.00	69640.00	37
38	203800.00	11580.00	216700.00	189700.00	-5568.00	77950.00	38
39	217300.00	18670.00	236000.00	196100.00	-3992.00	72410.00	39
40	218600.00	9656.00	229600.00	207700.00	-416.00	60930.00	40
41	240500.00	18660.00	259200.00	219300.00	2353.00	55000.00	41
42	241800.00	8368.00	250200.00	230900.00	2749.00	45900.00	42
43	218000.00	11590.00	230900.00	203800.00	-3984.00	73200.00	43
44	279800.00	19310.00	303000.00	257900.00	9072.00	78340.00	44
45	283000.00	18670.00	303000.00	260500.00	6704.00	75970.00	45
46	306800.00	23180.00	330000.00	255300.00	10260.00	111200.00	46
47	288800.00	16740.00	310700.00	270800.00	7492.00	65680.00	47
48	301000.00	22540.00	325200.00	263100.00	5904.00	103700.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	291400.00	18020.00	315800.00	272100.00	6303.00	62110.00	49
50	305500.00	21890.00	327400.00	284300.00	6304.00	92980.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-3263.00	26950.00	-4764.00	28290.00	-8107.00	27140.00	2
3	-5677.00	22120.00	1320.00	25600.00	-6750.00	23970.00	3
4	-3263.00	18100.00	-4069.00	22900.00	-6298.00	19000.00	4
5	-447.50	23330.00	-4967.00	22900.00	-4036.00	21260.00	5
6	2760.00	74010.00	-11260.00	64230.00	3653.00	66940.00	6
7	2368.00	60740.00	-7662.00	54340.00	5010.00	53820.00	7
8	3575.00	51490.00	-7213.00	51200.00	5462.00	48850.00	8
9	1564.00	43840.00	-4967.00	42660.00	4558.00	39800.00	9
10	2760.00	82060.00	-9915.00	71860.00	7712.00	75540.00	10
11	3976.00	70390.00	-9012.00	63770.00	7719.00	65580.00	11
12	3173.00	59930.00	-5866.00	55240.00	8629.00	56540.00	12
13	1966.00	54700.00	-1375.00	49850.00	7272.00	52470.00	13
14	-56.00	76020.00	864.00	66460.00	2288.00	70110.00	14
15	-12520.00	102200.00	3560.00	90710.00	-7208.00	96790.00	15
16	-56.00	73610.00	2665.00	63770.00	1844.00	66940.00	16
17	-9704.00	107400.00	7152.00	106000.00	-7216.00	99500.00	17
18	-2060.00	63560.00	4913.00	55240.00	1844.00	58800.00	18
19	-9304.00	93320.00	15230.00	87120.00	-4496.00	91360.00	19
20	-1664.00	82460.00	-1832.00	73660.00	-1784.00	75080.00	20
21	-10910.00	115000.00	12100.00	99250.00	-9928.00	106700.00	21
22	-2864.00	86080.00	-2280.00	77690.00	-3144.00	78250.00	22
23	-2464.00	78430.00	-32.00	71860.00	-2232.00	71910.00	23
24	-12520.00	111000.00	14780.00	96560.00	-9016.00	104000.00	24
25	-2464.00	69580.00	-1377.00	65120.00	-417.50	62870.00	25
26	-12920.00	101800.00	2216.00	96550.00	-8568.00	99050.00	26
27	-1264.00	78030.00	-928.00	73650.00	-1328.00	71920.00	27
28	-2864.00	91710.00	-3176.00	83080.00	-3136.00	83680.00	28
29	-849.50	61540.00	-4764.00	54340.00	5010.00	55630.00	29
30	-447.50	62750.00	-6315.00	55690.00	6819.00	55630.00	30
31	-850.00	55910.00	-4518.00	51200.00	5915.00	51110.00	31
32	-3263.00	48670.00	-2273.00	44460.00	5462.00	44330.00	32
33	-6883.00	40220.00	-925.00	37720.00	-870.00	37090.00	33
34	-2861.00	45050.00	-3171.00	39970.00	4558.00	40710.00	34
35	-45.00	50280.00	-6315.00	44910.00	7724.00	45680.00	35
36	1162.00	64360.00	-9460.00	57040.00	8625.00	57440.00	36
37	1152.00	71600.00	-10810.00	62870.00	7271.00	63320.00	37
38	-56.00	81660.00	-15300.00	70060.00	6816.00	71010.00	38
39	1160.00	76420.00	-11710.00	65570.00	8174.00	67840.00	39
40	759.00	63960.00	-9460.00	57040.00	8176.00	56990.00	40
41	759.00	57520.00	-6314.00	52090.00	6819.00	52010.00	41
42	-2459.00	45450.00	-2273.00	41760.00	5010.00	42060.00	42
43	-456.00	77220.00	-11710.00	66470.00	6361.00	68740.00	43
44	-2472.00	79240.00	864.00	67360.00	480.00	71010.00	44
45	-2464.00	76830.00	-32.00	65570.00	-424.00	68300.00	45
46	-10500.00	105000.00	6704.00	104600.00	-7216.00	95890.00	46
47	-2461.00	66370.00	422.00	57030.00	34.50	59700.00	47
48	-12920.00	99350.00	1312.00	101000.00	-6304.00	94080.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	-3264.00	61540.00	1321.00	55240.00	34.50	55180.00	49
50	-9304.00	90900.00	2208.00	86670.00	-9472.00	82770.00	50

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DATE:

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TOGW 24,800 TOCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	263.90	264.60	263.50	1.00	1.02	.97	2
3	264.30	264.40	263.70	.99	1.01	.97	3
4	264.30	264.40	263.90	1.01	1.02	.98	4
5	263.90	264.40	263.70	.99	1.02	.96	5
6	263.70	264.30	263.30	1.02	1.05	.95	6
7	264.20	264.40	263.90	.99	1.01	.98	7
8	264.10	264.90	263.90	.98	1.02	.96	8
9	264.30	264.40	263.90	.99	1.02	.97	9
10	264.30	264.60	263.70	.99	1.06	.96	10
11	264.10	264.40	263.90	1.02	1.03	.98	11
12	264.00	264.40	263.90	.99	1.02	.97	12
13	264.10	264.40	263.90	.98	1.02	.97	13
14	263.80	264.60	263.70	.93	1.02	.89	14
15	264.70	265.40	262.90	1.07	1.24	.90	15
16	264.20	264.40	263.90	.99	1.03	.98	16
17	264.30	265.60	263.10	1.01	1.27	.77	17
18	264.30	264.40	263.70	.97	1.02	.95	18
19	264.70	265.60	262.90	1.03	1.25	.87	19
20	264.20	264.40	263.90	.96	1.00	.92	20
21	264.20	264.90	263.50	1.11	1.17	.98	21
22	264.10	264.40	263.70	1.03	1.06	.92	22
23	264.10	264.30	263.90	.99	1.02	.94	23
24	264.30	264.90	263.30	1.07	1.16	.92	24
25	263.90	264.40	263.70	.99	1.03	.92	25
26	264.30	265.10	263.30	.99	1.21	.84	26
27	264.00	264.10	263.90	.98	1.05	.95	27
28	264.30	264.40	263.90	.98	1.03	.96	28
29	264.00	264.10	263.70	.99	1.01	.98	29
30	264.20	264.30	263.90	.99	1.01	.98	30
31	264.00	264.30	263.90	1.00	1.01	.99	31
32	264.20	264.40	263.90	1.01	1.02	.99	32
33	263.90	264.30	263.70	.98	1.00	.96	33
34	264.10	264.30	263.50	1.01	1.03	.99	34
35	264.30	264.40	263.90	.99	1.02	.97	35
36	264.20	264.40	263.90	1.01	1.02	.97	36
37	263.80	264.10	263.50	1.00	1.02	.97	37
38	264.20	264.40	263.90	1.01	1.02	.99	38
39	263.80	264.30	263.70	1.01	1.02	.99	39
40	263.60	264.30	263.50	.99	1.01	.98	40
41	263.90	264.30	263.70	1.01	1.02	.98	41
42	264.20	264.30	263.70	.99	1.02	.98	42
43	264.10	264.30	263.70	1.00	1.02	.98	43
44	263.90	264.60	263.70	1.03	1.05	.96	44
45	263.90	264.10	263.70	.99	1.02	.95	45
46	263.70	265.30	262.80	.99	1.21	.79	46
47	264.00	264.30	263.70	1.00	1.02	.99	47
48	263.80	265.30	262.90	1.03	1.22	.83	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TGGW 23,800 TGCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	264.10	264.40	263.70	.99	1.03	.97	49
50	264.90	265.30	262.80	1.03	1.20	.80	50

CHECKED BY:
DATE:

D210-11168-3
VOLUME 12

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.81	1.87	-.25	5.22	6.08	4.28	2
3	1.79	2.52	-.25	5.22	6.43	4.62	3
4	.81	2.52	.08	6.77	7.46	5.74	4
5	1.54	2.68	-.09	5.82	7.46	5.22	5
6	-1.15	.08	-1.72	-1.44	-.10	-2.08	6
7	-.09	.24	-1.23	-.06	.93	-.36	7
8	-.33	.57	-1.23	.76	2.22	-.62	8
9	-.09	.08	-.90	1.87	2.90	1.10	9
10	.08	.24	-2.04	-2.25	-1.31	-2.60	10
11	.24	.40	-1.06	-2.98	-1.39	-3.37	11
12	-.17	.40	-1.23	-2.21	-1.48	-2.85	12
13	-.17	.57	-.57	-2.21	-1.65	-2.68	13
14	-.17	1.05	-1.06	-7.58	-4.83	-8.09	14
15	-.17	.57	-.90	-2.60	1.10	-5.95	15
16	-.00	.73	-.41	-5.13	-4.14	-5.52	16
17	-.25	1.22	-3.18	-8.82	.67	-11.79	17
18	.73	1.38	.08	-3.88	-3.02	-5.43	18
19	.97	1.38	-.74	-2.42	.15	-7.23	19
20	-.25	.57	-1.72	-7.71	-6.81	-7.84	20
21	-.09	.08	-1.39	-4.96	-4.06	-8.09	21
22	.57	3.50	-2.69	-6.25	-4.74	-7.92	22
23	-.09	.57	-.57	-6.55	-5.95	-7.15	23
24	-.17	.89	-1.55	-4.83	-3.80	-7.41	24
25	-.17	.57	-.90	-5.56	-5.26	-7.06	25
26	-.17	.40	-1.55	-6.55	-2.34	-8.09	26
27	-.09	.08	-1.06	-6.12	-5.35	-7.58	27
28	-.17	.08	-.57	-8.27	-7.23	-9.04	28
29	-.17	.08	-.41	-.96	.84	-1.39	29
30	-.09	.57	-.25	-.58	.33	-1.48	30
31	.24	.89	.08	.58	.84	-.02	31
32	-.09	.40	-.74	1.27	2.30	.76	32
33	.40	.73	-.09	1.66	2.13	-.71	33
34	-.09	.73	-1.39	.67	1.44	-1.31	34
35	-.09	.73	-.57	-.83	-.36	-1.65	35
36	-.41	.24	-1.06	-1.61	-1.22	-2.68	36
37	-.09	1.05	-.25	-2.47	-.88	-3.02	37
38	-.09	.57	-.41	-2.72	-1.91	-3.28	38
39	-.33	.89	-.90	-2.34	-1.82	-3.02	39
40	-.33	.08	-.90	-1.82	-1.39	-2.60	40
41	-.09	1.22	-.25	-.79	-.28	-1.82	41
42	-.09	.89	-.74	-1.39	-.28	-1.91	42
43	-.09	.24	-1.55	-3.15	-1.99	-4.49	43
44	.89	1.22	-.41	-4.91	-4.23	-6.03	44
45	-.09	.89	-1.72	-5.35	-4.57	-6.12	45
46	-1.63	.73	-2.85	-3.37	-.02	-8.44	46
47	.40	1.22	-.09	-4.66	-3.63	-5.09	47
48	-.17	1.05	-1.55	-6.51	-.02	-8.52	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-.49	1.38	-.74	-4.31	-3.20	-4.74	49
50	-.17	1.70	-.90	-1.48	-.88	-8.95	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	115300.00	9712.00	127600.00	101700.00	-2632.00	80060.00	2
3	122500.00	9072.00	134100.00	109500.00	-3080.00	78710.00	3
4	128900.00	9072.00	138000.00	114700.00	-4872.00	76920.00	4
5	100400.00	10360.00	114700.00	88780.00	-4424.00	81850.00	5
6	118600.00	10370.00	135400.00	108200.00	-6216.00	80950.00	6
7	114000.00	9072.00	131500.00	104300.00	-5320.00	78260.00	7
8	144500.00	9072.00	157500.00	134100.00	-7112.00	79160.00	8
9	133500.00	9720.00	148400.00	122500.00	-3528.00	78260.00	9
10	152300.00	9072.00	161300.00	139300.00	-4424.00	77370.00	10
11	149000.00	8424.00	160000.00	138000.00	-3976.00	74250.00	11
12	153600.00	7776.00	167800.00	144500.00	-5320.00	72900.00	12
13	202200.00	13610.00	220900.00	186000.00	504.00	64400.00	13
14	204700.00	12310.00	217100.00	183400.00	2292.00	66190.00	14
15	207300.00	12310.00	222200.00	182100.00	3628.00	68420.00	15
16	141300.00	12310.00	153600.00	116000.00	-3528.00	86310.00	16
17	110800.00	10360.00	127600.00	100400.00	-3976.00	82300.00	17
18	126400.00	10370.00	136700.00	113400.00	-5768.00	81400.00	18
19	112800.00	12300.00	127600.00	99150.00	-6664.00	86760.00	19
20	126400.00	10370.00	140600.00	113400.00	-6656.00	85870.00	20
21	128300.00	11020.00	139300.00	110800.00	-8448.00	85870.00	21
22	131500.00	10370.00	144500.00	114700.00	-7552.00	85870.00	22
23	137400.00	12310.00	157500.00	125100.00	-6208.00	84530.00	23
24	146400.00	10370.00	160000.00	128900.00	-4864.00	83180.00	24
25	227400.00	12960.00	250700.00	214500.00	3624.00	72010.00	25
26	215800.00	23330.00	276700.00	182100.00	2736.00	76480.00	26
27	230000.00	12960.00	249400.00	214500.00	4072.00	72460.00	27
28	213800.00	21380.00	280500.00	184700.00	1840.00	74690.00	28
29	224100.00	12960.00	243000.00	209300.00	6304.00	73790.00	29
30	213200.00	20740.00	252000.00	165200.00	5416.00	80060.00	30
31	293500.00	18140.00	312900.00	259800.00	1392.00	80290.00	31
32	285100.00	23980.00	327200.00	241700.00	2288.00	84980.00	32
33	290900.00	18140.00	312900.00	271500.00	3624.00	80950.00	33
34	263700.00	23320.00	315500.00	231300.00	1392.00	84980.00	34
35	280500.00	16850.00	298700.00	258500.00	4520.00	82740.00	35
36	278000.00	23330.00	309100.00	230000.00	2736.00	86320.00	36
37	230000.00	12960.00	244300.00	215800.00	-1736.00	80060.00	37
38	240400.00	14250.00	254600.00	222200.00	2288.00	73340.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	10890.00	76470.00	-9168.00	90850.00	3920.00	89870.00	2
3	10890.00	76470.00	-10060.00	89050.00	1720.00	89430.00	3
4	9072.00	75570.00	-12760.00	88150.00	840.00	89430.00	4
5	9520.00	80580.00	-11860.00	92650.00	1272.00	93400.00	5
6	9072.00	81020.00	-12310.00	92200.00	1272.00	94280.00	6
7	8608.00	78750.00	-13210.00	89500.00	392.00	91640.00	7
8	7704.00	80570.00	-15010.00	90400.00	-1808.00	93840.00	8
9	9986.00	74650.00	-10060.00	89050.00	3480.00	86790.00	9
10	10900.00	73740.00	-10960.00	88140.00	2160.00	88110.00	10
11	9528.00	72380.00	-11420.00	85000.00	-48.00	85020.00	11
12	9983.00	71010.00	-12760.00	83660.00	392.00	83700.00	12
13	5883.00	63270.00	-1968.00	74660.00	1272.00	71370.00	13
14	4063.00	65090.00	-1968.00	75550.00	-1368.00	74010.00	14
15	3610.00	68280.00	736.00	78260.00	-3136.00	75780.00	15
16	11340.00	81490.00	-10510.00	96690.00	3912.00	95160.00	16
17	10430.00	77840.00	-11420.00	93100.00	1712.00	92080.00	17
18	9064.00	80120.00	-12760.00	91750.00	832.00	92960.00	18
19	6792.00	86950.00	-15010.00	98500.00	-2256.00	101300.00	19
20	6792.00	86040.00	-16360.00	96250.00	-1368.00	99560.00	20
21	6792.00	86950.00	-17700.00	96700.00	-2256.00	101300.00	21
22	7696.00	86940.00	-16810.00	97590.00	-1816.00	101800.00	22
23	6336.00	82850.00	-15010.00	95790.00	-2688.00	95600.00	23
24	9064.00	80120.00	-14110.00	94000.00	-928.00	92960.00	24
25	4968.00	71460.00	1184.00	83200.00	1712.00	82380.00	25
26	3152.00	76930.00	-1072.00	86350.00	-928.00	87660.00	26
27	3600.00	72830.00	2984.00	84100.00	1272.00	84580.00	27
28	1336.00	74200.00	-1968.00	85460.00	-2248.00	84580.00	28
29	3144.00	74200.00	4776.00	85900.00	392.00	86340.00	29
30	-1856.00	80110.00	5224.00	89940.00	-7536.00	90750.00	30
31	3144.00	82390.00	1632.00	94450.00	832.00	93840.00	31
32	3608.00	85580.00	728.00	96250.00	4800.00	97810.00	32
33	1784.00	80120.00	3432.00	93540.00	-488.00	91640.00	33
34	2240.00	86030.00	-4216.00	96700.00	-488.00	96920.00	34
35	3608.00	81030.00	2528.00	94450.00	832.00	92960.00	35
36	4520.00	86490.00	728.00	98040.00	3040.00	98690.00	36
37	7696.00	77840.00	-1520.00	92190.00	5240.00	88550.00	37
38	4968.00	71460.00	-1064.00	84550.00	4792.00	82820.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	272800.00	9648.00	287600.00	263100.00	3967.00	51030.00	2
3	268900.00	8368.00	279800.00	258000.00	2780.00	57750.00	3
4	265000.00	9656.00	276000.00	251500.00	1192.00	68040.00	4
5	242500.00	7728.00	254100.00	233500.00	1198.00	52210.00	5
6	251500.00	9008.00	263100.00	241200.00	802.50	58940.00	6
7	235400.00	9656.00	247700.00	221900.00	-784.00	66850.00	7
8	249600.00	12220.00	261800.00	229600.00	-1584.00	81090.00	8
9	254700.00	9648.00	267000.00	245100.00	1594.00	57350.00	9
10	252800.00	11580.00	265700.00	237400.00	-792.00	67640.00	10
11	232200.00	12870.00	251500.00	219300.00	-1584.00	79500.00	11
12	232200.00	14150.00	246400.00	215500.00	792.00	90580.00	12
13	277300.00	14150.00	294000.00	256700.00	9496.00	88200.00	13
14	275300.00	13510.00	287800.00	260500.00	9504.00	86620.00	14
15	285600.00	14800.00	308100.00	270800.00	8704.00	83460.00	15
16	320400.00	9648.00	321300.00	300400.00	406.50	62500.00	16
17	290100.00	10300.00	305600.00	279800.00	-4347.00	64090.00	17
18	286300.00	11580.00	299100.00	272100.00	-2768.00	78320.00	18
19	276000.00	9008.00	285000.00	261800.00	11.00	62100.00	19
20	274700.00	11580.00	286300.00	260500.00	-784.00	72380.00	20
21	268900.00	14800.00	290100.00	252800.00	-3352.00	97700.00	21
22	270800.00	15450.00	287600.00	246400.00	-5136.00	109200.00	22
23	290800.00	14800.00	309400.00	265700.00	-6320.00	86620.00	23
24	286300.00	16730.00	305600.00	264400.00	-4352.00	102000.00	24
25	288800.00	19300.00	308100.00	261800.00	7128.00	80300.00	25
26	304300.00	27020.00	348000.00	256700.00	11480.00	111500.00	26
27	295900.00	18660.00	318400.00	274700.00	5152.00	71200.00	27
28	312600.00	22520.00	344200.00	254100.00	13450.00	100100.00	28
29	308100.00	18020.00	330000.00	282400.00	5545.00	62890.00	29
30	321000.00	21870.00	342900.00	267000.00	9896.00	90180.00	30
31	347400.00	27660.00	382800.00	318400.00	10680.00	108400.00	31
32	344700.00	34100.00	402100.00	310700.00	8704.00	119100.00	32
33	358300.00	27020.00	385400.00	324900.00	4752.00	83460.00	33
34	374400.00	34100.00	416200.00	312000.00	8312.00	113100.00	34
35	344800.00	25740.00	390500.00	335200.00	4352.00	72780.00	35
36	389200.00	29600.00	418900.00	323600.00	7120.00	100900.00	36
37	291400.00	19300.00	310700.00	268300.00	2768.00	82270.00	37
38	285600.00	18460.00	308100.00	261800.00	4752.00	79500.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-4107.00	50280.00	-1888.00	45850.00	1826.00	45240.00	2
3	-487.00	58730.00	-4585.00	53040.00	4088.00	53840.00	3
4	-2104.00	71610.00	-7287.00	63830.00	4539.00	63330.00	4
5	-4509.00	49080.00	-3686.00	47650.00	16.50	47050.00	5
6	-1694.00	60740.00	-3686.00	53040.00	4088.00	55640.00	6
7	-1296.00	71600.00	-9088.00	60240.00	5443.00	64240.00	7
8	-1704.00	87290.00	-9084.00	71920.00	3176.00	77350.00	8
9	-4509.00	55510.00	-4136.00	50790.00	1826.00	51570.00	9
10	-3712.00	71600.00	-5490.00	60240.00	2277.00	65600.00	10
11	-5720.00	84070.00	-5940.00	68780.00	464.00	75550.00	11
12	-6128.00	94930.00	-7288.00	80010.00	-440.00	84600.00	12
13	-14580.00	85680.00	6640.00	81360.00	-10390.00	81880.00	13
14	-14970.00	81260.00	6640.00	81360.00	-10400.00	79170.00	14
15	-14580.00	77240.00	4848.00	78660.00	-11750.00	75100.00	15
16	-3303.00	60740.00	-4136.00	54390.00	-3151.00	53830.00	16
17	-4914.00	64770.00	-6383.00	57540.00	-3603.00	57000.00	17
18	-6928.00	80450.00	-5940.00	68780.00	-3608.00	70570.00	18
19	-8534.00	61150.00	-6383.00	55740.00	-5412.00	55190.00	19
20	-10150.00	72410.00	-3687.00	64730.00	-3610.00	64250.00	20
21	-15780.00	96540.00	-8640.00	84960.00	-13110.00	86500.00	21
22	-16180.00	106600.00	-9088.00	96190.00	-14920.00	93640.00	22
23	-13770.00	84870.00	-9536.00	80460.00	-12660.00	76910.00	23
24	-19400.00	100200.00	-8184.00	92600.00	-18080.00	92290.00	24
25	-4112.00	81660.00	1704.00	69220.00	-2712.00	73290.00	25
26	-14980.00	106600.00	11580.00	105200.00	-15380.00	98620.00	26
27	-4112.00	72000.00	809.00	62030.00	-2253.00	65600.00	27
28	-14980.00	97340.00	14290.00	95300.00	-14470.00	89580.00	28
29	-4511.00	62750.00	3057.00	56190.00	-2246.00	56550.00	29
30	-15380.00	87300.00	9792.00	88100.00	-13560.00	83240.00	30
31	-14170.00	106200.00	11580.00	100700.00	-13100.00	97260.00	31
32	-9344.00	119900.00	10690.00	110600.00	-13110.00	109000.00	32
33	-8944.00	82460.00	1248.00	72370.00	-9485.00	72840.00	33
34	-11350.00	114600.00	6648.00	106500.00	-14470.00	103100.00	34
35	-4930.00	72410.00	1706.00	64730.00	-9488.00	65600.00	35
36	-9744.00	105800.00	7992.00	97100.00	-10850.00	97710.00	36
37	-4512.00	82860.00	1248.00	70580.00	-4968.00	72840.00	37
38	-4920.00	80060.00	2600.00	68330.00	-4968.00	71030.00	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.20	264.40	264.10	1.01	1.02	1.00	2
3	264.00	264.30	263.90	.99	1.01	.99	3
4	264.00	264.30	263.90	1.01	1.02	.99	4
5	264.30	264.40	263.90	.99	1.01	.98	5
6	264.30	264.40	264.10	1.01	1.02	.99	6
7	264.20	264.30	264.10	.99	1.01	.99	7
8	264.20	264.30	263.90	.99	1.01	.99	8
9	264.30	264.40	263.90	1.00	1.02	.98	9
10	264.30	264.40	263.90	1.00	1.01	.99	10
11	264.40	264.60	263.90	1.00	1.02	.98	11
12	264.00	264.30	263.50	1.00	1.02	.98	12
13	264.00	264.30	263.90	.99	1.02	.98	13
14	264.00	264.30	263.90	1.01	1.02	.98	14
15	263.80	264.40	263.50	.99	1.02	.95	15
16	263.90	264.90	262.80	1.02	1.03	1.00	16
17	263.80	263.90	263.70	1.00	1.01	.99	17
18	264.00	264.30	263.90	1.01	1.01	1.00	18
19	264.30	264.40	264.10	.99	1.01	.98	19
20	264.20	264.30	263.90	.99	1.01	.98	20
21	264.20	264.40	263.90	1.01	1.01	1.00	21
22	264.20	264.30	263.90	1.00	1.01	.98	22
23	264.00	264.10	263.90	1.01	1.01	.99	23
24	263.90	264.10	263.70	.99	1.01	.99	24
25	263.90	264.30	263.50	.99	1.05	.97	25
26	264.00	265.10	262.90	.98	1.15	.87	26
27	264.10	264.30	263.70	1.01	1.04	.95	27
28	264.20	265.10	262.80	.88	1.16	.82	28
29	263.60	264.30	263.30	.94	1.02	.93	29
30	263.60	264.60	262.80	.97	1.16	.81	30
31	263.90	264.40	263.50	1.07	1.09	.96	31
32	263.50	264.40	263.30	.92	1.13	.86	32
33	263.90	264.10	263.70	.97	1.01	.94	33
34	264.00	264.40	263.30	.99	1.13	.88	34
35	263.80	264.10	263.50	.98	1.01	.96	35
36	264.10	264.40	262.90	.99	1.14	.89	36
37	263.80	264.10	263.70	.99	1.01	.97	37
38	263.80	264.10	263.70	1.01	1.02	.97	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.09	.24	-.25	.84	2.22	.41	2
3	.73	.89	.08	.20	.76	-.88	3
4	-.74	-.25	-.90	-.92	.58	-1.39	4
5	.73	1.38	.40	-.40	.24	-.53	5
6	.73	1.05	-1.06	-.96	-.28	-1.56	6
7	.73	.89	-.09	-1.65	-1.05	-2.25	7
8	-.09	.56	-.25	-2.12	-1.48	-3.02	8
9	.89	1.70	-.58	-1.01	-.45	-1.65	9
10	-1.06	-.74	-1.88	-2.42	-1.74	-2.77	10
11	-1.55	-1.06	-2.04	-2.42	-1.48	-3.02	11
12	-.09	.40	-.58	-3.02	-2.17	-4.23	12
13	.89	1.05	-.09	-3.33	-2.60	-3.88	13
14	.08	.56	-.58	-2.90	-2.42	-4.06	14
15	.73	.89	-.09	-2.64	-1.82	-4.14	15
16	-.09	.56	-.58	-.28	.76	-.79	16
17	.24	.40	-.58	-.45	.50	-.79	17
18	-.74	.08	-.90	.67	.93	-.36	18
19	-.58	.08	-1.06	-.06	.33	-.28	19
20	-.58	-.09	-1.23	-1.09	-.96	-1.74	20
21	.08	.56	-.09	-1.91	-.96	-2.25	21
22	.73	1.05	-.58	-1.95	-1.56	-3.02	22
23	.89	1.38	.73	-1.31	-.79	-1.74	23
24	.81	1.05	.08	-1.86	-1.39	-2.17	24
25	.81	1.38	-.41	-4.31	-4.14	-5.35	25
26	.81	1.54	-.58	-5.73	-2.25	-7.15	26
27	-.58	-.25	-1.06	-3.97	-3.45	-5.26	27
28	.73	.89	-.90	-3.58	-1.48	-6.81	28
29	.65	3.17	-.09	-3.50	-3.37	-4.66	29
30	.73	1.87	-.09	-4.57	-.10	-6.89	30
31	.89	1.54	.40	-6.55	-5.43	-8.18	31
32	-.66	1.54	-.90	-7.02	-4.91	-9.21	32
33	.73	1.05	-.25	-6.89	-6.55	-7.92	33
34	.89	1.38	-.25	-5.30	-4.14	-8.35	34
35	.73	1.22	.24	-6.33	-6.12	-6.72	35
36	.97	1.54	-1.39	-6.25	-3.20	-7.66	36
37	-.74	-.58	-1.55	-5.47	-4.91	-5.86	37
38	.24	.73	-.25	-5.52	-5.09	-6.03	38

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDV	41200ALT	41200MAX	41200MIN	41160SDV	41160ALT	EVENT
2	125700.00	7736.00	137300.00	115400.00	8257.00	68690.00	2
3	150200.00	7744.00	163100.00	134700.00	7344.00	73250.00	3
4	168100.00	10320.00	183800.00	148900.00	10540.00	70060.00	4
5	248900.00	13550.00	271500.00	232800.00	1888.00	74160.00	5
6	261800.00	16130.00	288300.00	245700.00	5984.00	74610.00	6
7	298600.00	19360.00	321800.00	272800.00	1888.00	81440.00	7
8	279900.00	18710.00	305100.00	259900.00	2336.00	82800.00	8
9	259300.00	17420.00	284400.00	239200.00	6888.00	78250.00	9
10	213400.00	12900.00	231500.00	195400.00	5984.00	74610.00	10
12	156700.00	9032.00	168300.00	145100.00	8714.00	70050.00	12
13	136700.00	9680.00	146400.00	119200.00	10540.00	70060.00	13
14	119200.00	7744.00	127000.00	96030.00	10080.00	70510.00	14
15	128900.00	7096.00	142500.00	121800.00	7804.00	70960.00	15
16	153400.00	8392.00	161800.00	142500.00	7344.00	76880.00	16
17	172800.00	9680.00	186400.00	163100.00	8712.00	75510.00	17
18	240500.00	15490.00	259900.00	221200.00	3256.00	78250.00	18
19	284400.00	18060.00	303800.00	262500.00	3712.00	77790.00	19
20	273400.00	17420.00	293500.00	252200.00	4624.00	78700.00	20
21	230200.00	14190.00	245700.00	214700.00	5984.00	76430.00	21
22	161200.00	8384.00	177200.00	152800.00	11900.00	74150.00	22
23	126400.00	8384.00	138600.00	116700.00	10530.00	74600.00	23
25	105700.00	7096.00	114100.00	97310.00	9168.00	68690.00	25
26	199900.00	16130.00	230200.00	125700.00	10530.00	87340.00	26
27	225100.00	25810.00	284400.00	173400.00	6896.00	83710.00	27
28	300600.00	25160.00	330900.00	222500.00	5072.00	83710.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-5930.00	67940.00	-11430.00	78570.00	2672.00	80510.00	2
3	-6376.00	73750.00	-12330.00	84860.00	2672.00	85790.00	3
4	-1456.00	74190.00	-6040.00	86650.00	7952.00	81390.00	4
5	5696.00	75090.00	2936.00	87540.00	2672.00	86670.00	5
6	7485.00	72400.00	6536.00	86650.00	4872.00	88870.00	6
7	3456.00	80900.00	1144.00	96520.00	40.00	95460.00	7
8	9712.00	80000.00	6528.00	95630.00	3120.00	97660.00	8
9	9264.00	75090.00	248.00	92040.00	3552.00	92830.00	9
10	5696.00	73300.00	2488.00	87100.00	2672.00	87550.00	10
12	-120.00	71960.00	-6040.00	83960.00	3112.00	80070.00	12
13	-2352.00	73300.00	-10530.00	83950.00	-408.00	83590.00	13
14	-3688.00	71060.00	-11420.00	81260.00	1352.00	84470.00	14
15	-5480.00	71060.00	-14570.00	80810.00	-848.00	83150.00	15
16	-4584.00	78220.00	-13220.00	89340.00	-2600.00	90180.00	16
17	-568.00	79560.00	-9184.00	90690.00	912.00	88430.00	17
18	3904.00	79550.00	-1104.00	91580.00	-848.00	89310.00	18
19	5240.00	79110.00	688.00	90690.00	-848.00	89310.00	19
20	6584.00	79560.00	2488.00	91590.00	912.00	90190.00	20
21	3456.00	77330.00	-1104.00	88900.00	3112.00	87110.00	21
22	-2360.00	77770.00	-8736.00	89340.00	912.00	88430.00	22
23	-4136.00	76870.00	-11430.00	87540.00	-248.00	87550.00	23
25	-4140.00	67940.00	-14120.00	78570.00	-408.00	81830.00	25
26	776.00	89830.00	-7840.00	104600.00	8400.00	102900.00	26
27	3896.00	84020.00	-2448.00	99220.00	4440.00	99860.00	27
28	11060.00	82240.00	8320.00	98320.00	7520.00	99420.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	222300.00	10310.00	235200.00	212000.00	-3904.00	72190.00	2
3	224800.00	10320.00	236400.00	209400.00	-2128.00	78430.00	3
4	219000.00	12250.00	246800.00	206800.00	-3904.00	83780.00	4
5	306700.00	18690.00	325400.00	284200.00	7680.00	77540.00	5
6	324800.00	21270.00	352500.00	303500.00	10800.00	75310.00	6
7	356400.00	27080.00	387300.00	329300.00	7232.00	86900.00	7
8	343500.00	26430.00	369900.00	334400.00	9016.00	77100.00	8
9	339000.00	23850.00	368000.00	309900.00	8125.00	69960.00	9
10	289300.00	18050.00	312500.00	270000.00	10800.00	65500.00	10
12	246800.00	10320.00	263500.00	236400.00	5011.00	56150.00	12
13	232600.00	10310.00	246800.00	218400.00	-1673.00	59270.00	13
14	219700.00	9024.00	232600.00	206800.00	-2564.00	61050.00	14
15	224200.00	10960.00	237700.00	213200.00	-2568.00	72630.00	15
16	224800.00	11600.00	236400.00	209400.00	-2568.00	85110.00	16
17	237100.00	13540.00	250600.00	218400.00	992.00	86000.00	17
18	294500.00	20630.00	320300.00	271300.00	11690.00	96700.00	18
19	342800.00	25140.00	373100.00	315100.00	12580.00	100300.00	19
20	351800.00	26430.00	380900.00	322800.00	12140.00	85560.00	20
21	317000.00	19980.00	337000.00	291900.00	6348.00	70850.00	21
22	256400.00	12250.00	268700.00	241600.00	2338.00	62390.00	22
23	224100.00	10310.00	239000.00	213200.00	-1673.00	63720.00	23
25	232600.00	25780.00	258400.00	205500.00	-6135.00	61950.00	25
26	320900.00	25140.00	349900.00	219700.00	-792.00	103800.00	26
27	337700.00	31580.00	387300.00	255800.00	-5696.00	110500.00	27
28	343400.00	31590.00	405400.00	288000.00	15250.00	95810.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	1952.00	75330.00	-10960.00	66030.00	5966.00	66930.00	2
3	1048.00	81640.00	-9612.00	71880.00	5968.00	73260.00	3
4	1952.00	87060.00	-11410.00	77260.00	7776.00	79600.00	4
5	152.00	80740.00	-4225.00	69180.00	1888.00	72820.00	5
6	-133600.00	95410.00	4318.00	66930.00	2800.00	69200.00	6
7	-136800.00	92250.00	264.00	79060.00	-4440.00	80060.00	7
8	-130900.00	98120.00	2064.00	70080.00	-3080.00	68740.00	8
9	-128200.00	100800.00	1172.00	64680.00	5063.00	64220.00	9
10	-134500.00	94510.00	-3319.00	61990.00	6876.00	63320.00	10
12	-229000.00		-6464.00	54350.00	9138.00	57440.00	12
13	-229000.00		-10510.00	58400.00	7325.00	58340.00	13
14	-229000.00		-11860.00	57050.00	8686.00	57890.00	14
15	-229000.00		-9163.00	66040.00	6870.00	67830.00	15
16	-229000.00		-10960.00	75020.00	5056.00	79600.00	16
17	-229000.00		-7368.00	75910.00	2344.00	80500.00	17
18	-229000.00		4760.00	84460.00	-5792.00	87740.00	18
19	-159300.00	69700.00	10600.00	92090.00	-13030.00	86840.00	19
20	-149400.00	79620.00	6552.00	74570.00	-10320.00	75980.00	20
21	-229000.00		1623.00	61540.00	-4886.00	63320.00	21
22	-229000.00		-624.00	55700.00	1450.00	58800.00	22
23	-229000.00		-7369.00	59750.00	3712.00	60150.00	23
25	-217000.00	11960.00	-10960.00	57050.00	2355.00	58800.00	25
26	-229000.00		-7368.00	100200.00	-14390.00	109000.00	26
27	-140800.00	88190.00	-12760.00	103800.00	-23430.00	104500.00	27
28	-123700.00	105300.00	10600.00	88490.00	-12130.00	93170.00	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.00	264.40	263.90	1.02	1.02	.98	2
3	264.40	264.90	263.70	1.05	1.06	.91	3
4	264.20	265.40	263.50	1.06	1.12	.93	4
5	264.10	264.30	263.50	1.01	1.05	.88	5
6	263.90	264.30	263.70	1.03	1.04	.95	6
7	264.30	264.40	263.70	.99	1.04	.95	7
8	263.90	264.40	263.70	1.02	1.04	.95	8
9	264.10	264.40	263.70	1.02	1.09	.90	9
10	264.40	264.60	263.90	.94	1.07	.92	10
12	264.00	264.40	263.90	.99	1.02	.97	12
13	263.70	264.30	263.50	.98	1.02	.96	13
14	263.90	264.60	263.50	.99	1.04	.96	14
15	264.00	264.10	263.90	.99	1.01	.98	15
16	264.00	264.40	263.90	.99	1.01	.99	16
17	264.30	264.40	263.70	.99	1.02	.97	17
18	264.10	264.40	263.70	.98	1.03	.95	18
19	263.90	264.10	263.50	.99	1.03	.96	19
20	263.90	264.10	263.50	.98	1.01	.96	20
21	263.90	264.10	263.70	.99	1.02	.97	21
22	263.80	264.10	263.70	.99	1.01	.98	22
23	264.00	264.30	263.90	1.03	1.04	.98	23
25	263.80	263.90	263.50	.99	1.00	.98	25
26	264.70	265.60	262.00	1.27	1.54	1.00	26
27	264.70	265.60	262.40	1.10	1.45	.91	27
28	263.50	264.90	262.90	1.00	1.27	.86	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.69	-.36	-1.18	-1.10	.61	-1.88	2
3	-.69	-.36	-1.51	-.55	.78	-.93	3
4	-.03	.95	-.53	-1.62	-.42	-2.13	4
5	1.36	1.93	-.69	-3.12	-2.22	-4.79	5
6	1.44	2.42	1.11	-3.25	-2.56	-3.76	6
7	1.52	2.10	.62	-4.79	-4.28	-5.22	7
8	.95	1.77	.13	-4.92	-3.16	-5.22	8
9	-1.18	.13	-1.84	-4.49	-2.65	-4.88	9
10	.38	1.11	-1.02	-3.94	-2.13	-4.62	10
12	-.03	.78	-.85	-1.49	-1.02	-1.79	12
13	-1.59	-.53	-2.65	-.38	.44	-1.02	13
14	-.77	-.20	-1.84	.18	1.90	-.42	14
15	-.03	.29	-.36	-.16	.35	-1.02	15
16	-.03	.46	-.53	-1.23	-.85	-1.45	16
17	-.28	1.28	-.53	-2.48	-1.88	-4.02	17
18	1.03	2.42	-.20	-5.09	-3.85	-5.82	18
19	-.03	.46	-.53	-5.39	-4.62	-5.99	19
20	-.03	.62	-.20	-5.86	-4.62	-6.25	20
21	-.69	-.20	-1.34	-4.19	-3.08	-4.62	21
22	-1.75	-.85	-2.16	-1.92	-1.45	-2.48	22
23	-.12	.13	-.85	-.98	.61	-1.28	23
25	-.03	.13	-.69	1.21	1.98	.52	25
26	-40.23	-6.75	-45.06	7.21	9.79	-1.45	26
27	-35.73	-.53	-40.64	2.37	7.73	-3.51	27
28	-4.29	-3.80	-31.31	-4.02	5.84	-5.31	28

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	137400.00	6448.00	143800.00	128400.00	8447.00	70580.00	1
2	179900.00	7744.00	187700.00	168300.00	7539.00	63290.00	2
3	199900.00	8384.00	208300.00	185100.00	5717.00	65120.00	3
4	238600.00	13540.00	253400.00	222500.00	7080.00	71030.00	4
5	279200.00	18060.00	303700.00	259900.00	4800.00	72400.00	5
6	283100.00	42550.00	336000.00	187700.00	7072.00	81060.00	6
7	299200.00	21280.00	329500.00	270200.00	5256.00	78330.00	7
8	283700.00	45780.00	345000.00	208300.00	8904.00	84700.00	8
9	285700.00	18060.00	303700.00	263800.00	9816.00	72860.00	9
10	242500.00	18050.00	301200.00	236700.00	1160.00	77860.00	10
11	138700.00	7744.00	146400.00	118000.00	11180.00	65110.00	11
12	116100.00	7096.00	126100.00	105100.00	10270.00	63300.00	12
13	120600.00	9032.00	143800.00	110300.00	10270.00	63300.00	13
14	132900.00	7096.00	140000.00	121900.00	10730.00	60110.00	14
15	148300.00	8376.00	165700.00	140000.00	7538.00	61470.00	15
16	179900.00	7744.00	190300.00	161900.00	10720.00	66480.00	16
17	163800.00	8376.00	173500.00	151600.00	9818.00	64660.00	17
18	169600.00	7736.00	181200.00	161900.00	11180.00	65110.00	18
19	239200.00	12900.00	256000.00	221200.00	9814.00	70120.00	19
20	241800.00	15480.00	245000.00	223800.00	6175.00	68310.00	20
21	239200.00	34820.00	281800.00	181200.00	4800.00	76050.00	21
22	239900.00	12250.00	252100.00	225100.00	8447.00	70580.00	22
23	240500.00	33530.00	287000.00	173500.00	2984.00	78780.00	23
24	281200.00	19990.00	303700.00	261200.00	7080.00	79240.00	24
25	268900.00	32240.00	326900.00	218600.00	6624.00	83330.00	25
26	298600.00	18060.00	319200.00	267600.00	6624.00	75140.00	26
27	270200.00	30950.00	329500.00	223800.00	2520.00	88340.00	27
28	302400.00	23210.00	325600.00	266300.00	6168.00	78330.00	28
29	225700.00	12260.00	239200.00	205700.00	6624.00	69660.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	-5416.00	71880.00	-10870.00	81880.00	4960.00	82350.00	1
2	-2285.00	66080.00	-4576.00	75580.00	6280.00	72230.00	2
3	2179.00	66080.00	-1424.00	76030.00	3640.00	73990.00	3
4	5754.00	68760.00	2616.00	82780.00	4960.00	82350.00	4
5	3072.00	71440.00	-528.00	86830.00	3632.00	86320.00	5
6	4408.00	78140.00	816.00	96270.00	6280.00	96010.00	6
7	6640.00	75900.00	1272.00	92230.00	1000.00	92490.00	7
8	3064.00	83050.00	-3680.00	99870.00	7160.00	99530.00	8
9	7539.00	71440.00	1720.00	85480.00	7160.00	86330.00	9
10	10210.00	75000.00	-3680.00	90880.00	1440.00	92050.00	10
11	840.00	69210.00	-8632.00	77830.00	2760.00	74870.00	11
12	-1397.00	65200.00	-13570.00	73790.00	1000.00	74870.00	12
13	-2290.00	64300.00	-11780.00	74690.00	560.00	75310.00	13
14	-3735.00	62960.00	-12220.00	71540.00	-328.00	70900.00	14
15	-1389.00	63400.00	-9071.00	72880.00	1872.00	72220.00	15
16	840.00	68310.00	-7728.00	78740.00	5400.00	75750.00	16
17	384.00	66980.00	-6832.00	76930.00	2760.00	73990.00	17
18	1280.00	66980.00	-6376.00	77380.00	2760.00	73990.00	18
19	8881.00	66530.00	-1432.00	81430.00	5400.00	82790.00	19
20	7093.00	67420.00	-80.00	83680.00	7160.00	81030.00	20
21	11110.00	72330.00	6224.00	87280.00	112.00	88960.00	21
22	11110.00	66970.00	2616.00	80980.00	3632.00	82800.00	22
23	9773.00	74560.00	6672.00	86830.00	-2968.00	91160.00	23
24	11100.00	77700.00	5768.00	93130.00	3200.00	94690.00	24
25	9320.00	81260.00	-1432.00	98520.00	552.00	97340.00	25
26	5304.00	72780.00	824.00	85480.00	992.00	87200.00	26
27	11100.00	84830.00	4864.00	99420.00	-2528.00	102200.00	27
28	6192.00	76350.00	3968.00	91330.00	4520.00	92490.00	28
29	9774.00	65630.00	1720.00	79180.00	2312.00	81480.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	226000.00	18100.00	244000.00	205300.00	-3560.00	75640.00	1
2	229800.00	11630.00	245300.00	218200.00	-2232.00	76970.00	2
3	247300.00	12290.00	259600.00	229800.00	2672.00	75630.00	3
4	275700.00	18740.00	299600.00	257000.00	8448.00	83200.00	4
5	314500.00	23910.00	342300.00	290600.00	9792.00	89870.00	5
6	314500.00	49770.00	388800.00	260800.00	8448.00	144600.00	6
7	328700.00	27790.00	349400.00	299600.00	19140.00	105400.00	7
8	334500.00	56880.00	418600.00	259600.00	14680.00	132100.00	8
9	321000.00	23910.00	344900.00	290600.00	12010.00	86760.00	9
10	337800.00	22620.00	360400.00	293200.00	15570.00	89420.00	10
11	250500.00	7760.00	258300.00	231100.00	5347.00	40040.00	11
12	220100.00	7112.00	233700.00	207900.00	-3107.00	52050.00	12
13	236900.00	8408.00	245300.00	218200.00	452.00	60950.00	13
14	221400.00	8400.00	232400.00	213000.00	-882.50	62290.00	14
15	206600.00	9696.00	220800.00	193600.00	-1784.00	67620.00	15
16	236300.00	9048.00	249200.00	219500.00	5786.00	62730.00	16
17	243400.00	8408.00	251800.00	228500.00	5346.00	54280.00	17
18	259600.00	10340.00	271200.00	249200.00	4457.00	48940.00	18
19	284700.00	19390.00	308700.00	264700.00	11570.00	69400.00	19
20	313200.00	18740.00	332000.00	281500.00	11570.00	62280.00	20
21	306700.00	35540.00	365600.00	254400.00	13800.00	73410.00	21
22	310600.00	17460.00	328100.00	290600.00	12910.00	54720.00	22
23	311300.00	34900.00	385000.00	254400.00	16460.00	83200.00	23
24	357200.00	25210.00	382400.00	326800.00	12020.00	71630.00	24
25	374000.00	39420.00	425000.00	308700.00	7120.00	101400.00	25
26	352600.00	23260.00	377200.00	321600.00	11120.00	73400.00	26
27	349400.00	40720.00	404400.00	294500.00	9792.00	108600.00	27
28	339100.00	29080.00	372000.00	302200.00	16020.00	89870.00	28
29	265400.00	16160.00	288000.00	242800.00	9790.00	70290.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	1824.00	84060.00	-8595.00	69390.00	4312.00	71050.00	1
2	856.00	86970.00	-9502.00	72100.00	5208.00	74660.00	2
3	1832.00	85030.00	-7699.00	71200.00	5664.00	73310.00	3
4	2792.00	89860.00	408.00	74790.00	2944.00	76930.00	4
5	2312.00	95180.00	2664.00	80650.00	3848.00	80550.00	5
6	-8320.00	136700.00	-8152.00	132900.00	-16960.00	116800.00	6
7	-4384.00	116400.00	9872.00	90560.00	-4288.00	98660.00	7
8	-12660.00	133400.00	4912.00	118000.00	-15150.00	114900.00	8
9	856.00	91800.00	2664.00	76150.00	1584.00	78290.00	9
10	-6384.00	96140.00	6720.00	77500.00	2040.00	82360.00	10
11	-1547.00	43970.00	-1835.00	40100.00	6124.00	39370.00	11
12	3768.00	56050.00	-11750.00	49110.00	8839.00	47520.00	12
13	2315.00	65220.00	-11300.00	58580.00	10650.00	55660.00	13
14	3283.00	66190.00	-11750.00	59930.00	10650.00	55660.00	14
15	2312.00	73930.00	-14010.00	62190.00	9738.00	61990.00	15
16	-592.00	71020.00	-11300.00	58580.00	6124.00	61090.00	16
17	386.00	59430.00	-4539.00	50920.00	7481.00	50680.00	17
18	-1547.00	50730.00	-5440.00	43710.00	4314.00	43900.00	18
19	864.00	76340.00	868.50	64430.00	5666.00	64250.00	19
20	384.00	69090.00	2220.00	58580.00	4313.00	58380.00	20
21	-1552.00	80690.00	1317.00	66680.00	3858.00	68780.00	21
22	-2030.00	60880.00	4473.00	50010.00	2051.00	51590.00	22
23	-10250.00	86490.00	7173.00	72540.00	-7912.00	74220.00	23
24	-584.00	74890.00	2669.00	65330.00	2504.00	61090.00	24
25	-8320.00	109700.00	5360.00	95070.00	-8360.00	96390.00	25
26	-3000.00	77300.00	4015.00	65780.00	-2928.00	63810.00	26
27	-12180.00	120300.00	3120.00	100900.00	-8816.00	105900.00	27
28	-2040.00	96630.00	9424.00	78400.00	240.00	81460.00	28
29	-104.00	76340.00	-1387.00	64890.00	6118.00	63800.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.20	264.40	264.10	1.01	1.02	1.00	1
2	264.50	264.60	264.30	1.01	1.02	.99	2
3	264.50	264.60	264.10	1.01	1.02	.98	3
4	264.30	264.60	264.10	.97	1.00	.95	4
5	264.20	264.60	264.10	.99	1.05	.95	5
6	265.30	266.00	263.10	1.22	1.28	.81	6
7	263.80	264.60	263.30	1.03	1.11	.91	7
8	264.80	265.60	263.30	.94	1.24	.85	8
9	264.40	264.60	263.90	1.05	1.08	1.00	9
10	264.60	265.10	263.30	1.12	1.17	.85	10
11	264.20	264.30	263.90	1.01	1.02	.98	11
12	264.80	265.30	264.30	.96	1.02	.93	12
13	264.20	264.30	263.70	1.03	1.04	.97	13
14	264.20	264.30	263.90	1.00	1.01	.99	14
15	264.70	264.90	263.50	1.02	1.05	.95	15
16	263.90	264.30	263.30	.97	1.03	.89	16
17	264.00	264.10	263.70	.99	1.04	.97	17
18	263.90	264.10	263.70	.99	1.00	.96	18
19	264.40	264.60	263.90	1.02	1.07	.98	19
20	263.90	264.10	263.70	1.00	1.08	.90	20
21	264.90	265.30	263.30	1.08	1.18	.87	21
22	264.10	264.30	263.90	.97	.99	.95	22
23	264.80	265.30	263.10	1.04	1.21	.83	23
24	264.10	264.40	263.90	1.06	1.08	.94	24
25	264.80	265.30	263.10	1.01	1.27	.81	25
26	264.10	264.30	263.70	.89	1.04	.86	26
27	263.40	264.90	262.90	.99	1.24	.79	27
28	264.30	264.60	263.30	1.04	1.15	.86	28
29	263.90	264.60	263.50	.98	1.06	.95	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	.16	.98	-.17	.41	.92	-.19	1
2	.07	1.31	-.84	-1.17	-.70	-1.81	2
3	-.67	.16	-1.00	-2.88	-1.90	-3.35	3
4	.16	.32	-1.33	-4.76	-3.95	-5.06	4
5	.24	1.31	-1.00	-3.86	-3.09	-6.00	5
6	1.48	1.81	-2.32	-1.17	2.71	-6.60	6
7	-1.33	.49	-2.32	-6.25	-4.03	-6.77	7
8	-.50	.65	-2.65	-3.05	-.79	-6.60	8
9	-1.17	-1.00	-1.83	-4.55	-3.27	-4.89	9
10	-.67	.49	-1.50	-1.81	-1.22	-7.54	10
11	.65	1.31	-.17	3.87	4.34	3.14	11
12	.90	1.31	-.01	3.01	3.65	2.03	12
13	.40	1.15	-.84	1.90	2.89	1.35	13
14	.82	1.31	.16	3.31	3.40	2.80	14
15	.65	1.31	.16	-.83	-.19	-1.47	15
16	3.38	4.45	2.63	-1.04	-.02	-1.64	16
17	2.22	2.96	1.31	-.19	.92	-.45	17
18	.90	1.15	-.01	-.49	.83	-.70	18
19	1.56	2.30	-.34	-1.56	-1.39	-3.44	19
20	3.05	3.30	2.14	-2.84	-1.98	-3.95	20
21	-.26	1.15	-2.32	-1.85	-.62	-5.31	21
22	1.56	1.64	1.15	-3.22	-3.09	-3.86	22
23	-.50	1.97	-2.82	-3.27	1.52	-5.23	23
24	-.67	-.34	-1.33	-3.65	-3.18	-5.06	24
25	-.17	1.64	-1.99	-3.56	-.62	-7.62	25
26	-.17	.65	-1.17	-6.47	-4.46	-6.94	26
27	2.72	5.11	-1.17	-2.97	-1.47	-7.45	27
28	-.17	.65	-2.65	-7.28	-4.03	-7.96	28
29	.16	1.31	-.17	-2.62	-2.15	-4.03	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	156100.00	17410.00	178600.00	136100.00	2176.00	76800.00	2
3	139300.00	8384.00	147700.00	128400.00	-1840.00	70100.00	3
4	142500.00	7736.00	151600.00	133500.00	-2736.00	72780.00	4
5	187700.00	9032.00	199300.00	174800.00	1728.00	76350.00	5
6	204400.00	13540.00	225100.00	191500.00	4408.00	75460.00	6
7	225100.00	12900.00	238000.00	200600.00	4859.00	68760.00	7
8	250900.00	15480.00	271500.00	232800.00	7984.00	76350.00	8
9	250900.00	15480.00	284400.00	231500.00	7093.00	71880.00	9
10	277300.00	17410.00	294700.00	243100.00	8424.00	74120.00	10
11	267000.00	17410.00	284400.00	245700.00	12450.00	65630.00	11
12	174800.00	9032.00	186400.00	159300.00	2183.00	58040.00	12
13	203100.00	11610.00	216000.00	190300.00	4861.00	65190.00	13
14	253400.00	16770.00	274100.00	236700.00	6640.00	75010.00	14
15	266300.00	15470.00	290800.00	247000.00	7536.00	76800.00	15
16	266300.00	19340.00	290800.00	240500.00	8872.00	82600.00	16
17	127100.00	6448.00	133500.00	116800.00	-3176.00	68760.00	17
18	125800.00	6448.00	138700.00	119300.00	-1390.00	66080.00	18
19	121900.00	6448.00	134800.00	111600.00	-496.00	61620.00	19
20	142500.00	10310.00	152800.00	124500.00	1290.00	64290.00	20
21	164400.00	8384.00	179900.00	150300.00	1728.00	70100.00	21
22	200600.00	10310.00	213500.00	179900.00	3512.00	73670.00	22
23	185700.00	10960.00	196700.00	161900.00	-2736.00	82610.00	23
24	158700.00	8384.00	172200.00	150300.00	-2288.00	75010.00	24
25	127700.00	7088.00	136100.00	115500.00	-4070.00	68760.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	14370.00	73760.00	-8176.00	88180.00	8928.00	84560.00	2
3	11180.00	67850.00	-12670.00	80080.00	-768.00	80160.00	3
4	9816.00	72860.00	-13130.00	83220.00	-1208.00	85000.00	4
5	9816.00	72860.00	-7280.00	88180.00	2752.00	84560.00	5
6	7536.00	74220.00	-3680.00	87280.00	2752.00	83680.00	6
7	8908.00	66480.00	-2784.00	80080.00	3200.00	77070.00	7
8	3888.00	76960.00	1264.00	87730.00	-768.00	87200.00	8
9	2528.00	72860.00	3968.00	83230.00	-2088.00	84120.00	9
10	3432.00	76500.00	1272.00	85930.00	-2088.00	87640.00	10
11	1616.00	70130.00	5768.00	76940.00	-3848.00	82360.00	11
12	7542.00	56010.00	-5473.00	68380.00	3640.00	65180.00	12
13	6172.00	63750.00	-528.00	75140.00	560.00	74430.00	13
14	5256.00	74680.00	376.00	85930.00	1872.00	85440.00	14
15	3888.00	76050.00	5768.00	86820.00	1432.00	85880.00	15
16	7072.00	81060.00	7120.00	96270.00	5840.00	92930.00	16
17	8902.00	69210.00	-13130.00	78730.00	-768.00	81040.00	17
18	9819.00	65570.00	-10880.00	75590.00	2760.00	77510.00	18
19	11640.00	60110.00	-7727.00	71540.00	4520.00	71350.00	19
20	12090.00	65110.00	-7728.00	75140.00	9367.00	73550.00	20
21	7087.00	68310.00	-5928.00	81430.00	5400.00	77510.00	21
22	6168.00	72860.00	-1880.00	85480.00	3632.00	82800.00	22
23	8440.00	81510.00	-10430.00	95820.00	2760.00	96890.00	23
24	7080.00	73770.00	-10870.00	86380.00	-1648.00	87200.00	24
25	8446.00	68750.00	-14020.00	78730.00	112.00	81040.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	310000.00	10340.00	320300.00	297100.00	8016.00	43600.00	2
3	244000.00	9056.00	259600.00	232400.00	3120.00	66290.00	3
4	226600.00	10980.00	237600.00	215600.00	2672.00	78300.00	4
5	246000.00	13580.00	259600.00	231100.00	2672.00	89870.00	5
6	268600.00	18100.00	288000.00	249200.00	24020.00	118300.00	6
7	288000.00	34900.00	322900.00	251800.00	8008.00	90760.00	7
8	311300.00	21980.00	335800.00	278900.00	19130.00	123200.00	8
9	307400.00	21980.00	332000.00	280200.00	15120.00	114800.00	9
10	319700.00	23910.00	343600.00	288000.00	13790.00	112600.00	10
11	335200.00	21330.00	356500.00	300900.00	15130.00	93430.00	11
12	235000.00	11640.00	246600.00	214300.00	2677.00	64960.00	12
13	255700.00	14220.00	271200.00	240200.00	5784.00	72520.00	13
14	302200.00	21980.00	328100.00	280200.00	14240.00	98770.00	14
15	315800.00	22620.00	342300.00	288000.00	18240.00	109900.00	15
16	338400.00	31020.00	369400.00	299600.00	13790.00	112600.00	16
17	205300.00	12930.00	218200.00	191000.00	-4448.00	75630.00	17
18	207200.00	10980.00	220800.00	193600.00	-2224.00	80530.00	18
19	236900.00	10980.00	255700.00	226000.00	-2224.00	68060.00	19
20	291200.00	7104.00	299600.00	280200.00	4012.00	58280.00	20
21	224000.00	13580.00	240200.00	206600.00	17790.00	108600.00	21
22	244700.00	16160.00	264700.00	223400.00	14680.00	100100.00	22
23	222100.00	15510.00	240500.00	206600.00	3552.00	105900.00	23
24	215600.00	12920.00	229800.00	201400.00	-3112.00	86760.00	24
25	196900.00	10990.00	210400.00	180700.00	-4008.00	78740.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-1547.00	44930.00	-3187.00	42350.00	5671.00	41630.00	2
3	-2032.00	73440.00	-7695.00	61280.00	7024.00	61090.00	3
4	-1552.00	88420.00	-9048.00	70740.00	8376.00	74220.00	4
5	-3000.00	101500.00	-8600.00	79300.00	5664.00	85980.00	5
6	-11220.00	122200.00	8072.00	102300.00	-3840.00	108200.00	6
7	-6864.00	100500.00	-40.00	79750.00	-672.00	87790.00	7
8	-5904.00	123700.00	9872.00	105900.00	-5200.00	105900.00	8
9	-8800.00	116900.00	10780.00	105900.00	-4744.00	101800.00	9
10	-7832.00	119800.00	11670.00	102300.00	-6552.00	102700.00	10
11	-8808.00	99530.00	13930.00	87420.00	-7008.00	88700.00	11
12	384.00	73920.00	-5898.00	61290.00	4765.00	64260.00	12
13	-104.00	82140.00	-936.50	65340.00	2496.00	71950.00	13
14	-6872.00	106300.00	5816.00	86500.00	-7008.00	91410.00	14
15	-9760.00	113100.00	11670.00	95980.00	-9272.00	96390.00	15
16	-16540.00	116900.00	9872.00	104100.00	-17870.00	100500.00	16
17	376.00	85510.00	-10850.00	68940.00	5208.00	71050.00	17
18	-3008.00	87940.00	-10850.00	73450.00	-224.00	73760.00	18
19	864.00	75380.00	-8149.00	62640.00	3404.00	64710.00	19
20	7150.00	56530.00	-3187.00	57670.00	7934.00	50230.00	20
21	-12180.00	102900.00	-4992.00	89220.00	-1120.00	86430.00	21
22	-4936.00	102400.00	-488.00	82900.00	-4296.00	85080.00	22
23	-2520.00	110600.00	-10400.00	89220.00	-672.00	92320.00	23
24	-3000.00	96630.00	-12200.00	76600.00	1592.00	79190.00	24
25	376.00	86490.00	-12650.00	70740.00	4304.00	71950.00	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.00	264.10	263.70	.99	1.01	.98	2
3	263.90	264.30	263.70	.98	.99	.97	3
4	264.10	264.30	263.90	1.01	1.02	.99	4
5	263.70	264.10	263.50	1.01	1.02	.98	5
6	264.30	264.40	263.70	1.03	1.08	.99	6
7	263.90	264.40	263.70	.98	1.06	.97	7
8	264.00	264.10	263.50	.98	1.04	.97	8
9	263.70	264.40	263.50	.97	1.07	.92	9
10	264.00	264.30	263.90	1.01	1.03	.96	10
11	264.30	264.40	263.70	1.01	1.05	1.00	11
12	264.30	264.40	263.70	1.03	1.04	1.00	12
13	264.00	264.10	263.70	1.01	1.03	1.00	13
14	263.90	264.10	263.50	.97	1.02	.97	14
15	263.90	264.10	263.50	.98	1.01	.92	15
16	263.90	264.30	263.50	1.04	1.06	.94	16
17	264.00	264.30	263.90	1.01	1.03	1.00	17
18	247.60	248.10	247.40	1.01	1.02	.98	18
19	247.60	247.70	247.20	1.01	1.02	1.00	19
20	247.60	247.90	247.50	.99	1.01	.98	20
21	247.40	248.20	247.20	1.01	1.05	.97	21
22	247.60	248.40	247.20	.96	1.00	.93	22
23	264.00	264.10	263.30	1.01	1.03	.98	23
24	263.90	264.10	263.30	.99	1.01	.96	24
25	263.90	264.60	263.50	1.03	1.04	.99	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	1.48	2.30	.49	3.48	5.02	1.35	2
3	.82	.98	-.01	-.15	-.02	-1.56	3
4	.82	1.31	.49	.19	.32	-.19	4
5	.40	1.81	-.67	-2.07	-1.81	-2.41	5
6	-.26	.16	-1.00	-1.60	-1.30	-2.41	6
7	-.34	.65	-.50	-2.24	-1.13	-3.44	7
8	-.75	-.01	-2.16	-3.91	-2.92	-4.20	8
9	-2.07	-.67	-2.32	-5.10	-1.98	-5.31	9
10	.98	1.31	.49	-5.36	-4.12	-5.74	10
11	.49	.82	-.67	-4.12	-2.75	-4.38	11
12	-.50	-.17	-1.00	.58	.83	.07	12
13	-.34	.16	-1.17	-1.47	-.70	-1.73	13
14	.65	1.81	.49	-3.82	-3.44	-4.38	14
15	-.34	.65	-.50	-3.95	-3.78	-6.08	15
16	-.09	3.30	-.84	-3.86	-3.61	-6.25	16
17	-.34	.32	-1.50	.15	.41	-.36	17
18	-1.66	-.34	-1.83	-.87	-.19	-1.13	18
19	-1.33	-1.17	-1.83	1.05	1.60	.66	19
20	1.15	1.31	-1.00	1.60	3.48	1.26	20
21	-.42	.82	-1.33	-3.91	-.96	-4.12	21
22	-1.41	-1.00	-2.49	-4.42	-3.95	-5.83	22
23	-1.66	-.67	-2.32	-4.63	-3.78	-5.31	23
24	-.09	.32	-.84	-2.50	-2.32	-3.35	24
25	-1.74	.49	-2.49	-.75	-.19	-1.30	25

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	103200.00	7096.00	111600.00	94830.00	-4403.00	65200.00	1
2	151600.00	11620.00	163200.00	132300.00	-3960.00	71900.00	2
3	242000.00	7744.00	254800.00	234200.00	-2617.00	42870.00	3
4	237400.00	14840.00	245200.00	222600.00	7655.00	51350.00	4
5	258700.00	36130.00	294800.00	198100.00	-2170.00	45100.00	5
6	270300.00	16770.00	287100.00	221300.00	1840.00	83060.00	6
7	255500.00	34200.00	307800.00	198100.00	-4850.00	64750.00	7
8	157400.00	8384.00	174800.00	145200.00	-2624.00	73230.00	8
9	229000.00	14190.00	249700.00	214800.00	5864.00	77260.00	9
10	281300.00	18710.00	310300.00	261300.00	6304.00	78590.00	10
11	294200.00	26450.00	336100.00	248400.00	8536.00	86180.00	11
12	285200.00	31620.00	342600.00	205800.00	12560.00	93780.00	12
13	260000.00	18060.00	298700.00	238100.00	-2176.00	79940.00	13
14	277400.00	18710.00	311600.00	257400.00	8984.00	85740.00	14
15	280700.00	19360.00	333600.00	253600.00	5856.00	83500.00	15
16	318100.00	24520.00	345200.00	253600.00	7648.00	83500.00	16
17	271600.00	24520.00	351600.00	214800.00	9880.00	83940.00	17
18	253600.00	25820.00	306500.00	208400.00	10330.00	84390.00	18
19	249000.00	29030.00	300000.00	173600.00	10780.00	82170.00	19
20	220000.00	21940.00	292300.00	155500.00	7200.00	79490.00	20
21	327800.00	54850.00	386500.00	194200.00	4072.00	95110.00	21
22	304500.00	26460.00	337400.00	274200.00	18370.00	88860.00	22
23	318700.00	36780.00	358100.00	260000.00	5416.00	81270.00	23
24	341300.00	40000.00	381300.00	274200.00	60780.00	127700.00	24
25	269700.00	22580.00	293600.00	244500.00	29980.00	78150.00	25
26	276800.00	34840.00	315500.00	214800.00	9882.00	75010.00	26
27	274200.00	30980.00	325800.00	230300.00	7648.00	112100.00	27
28	171000.00	23220.00	223900.00	69020.00	-2176.00	79040.00	28
29	212300.00	38710.00	251000.00	118100.00	-1288.00	86180.00	29
30	167100.00	11620.00	185200.00	125800.00	1392.00	78140.00	30
31	182600.00	10330.00	200700.00	136100.00	1400.00	77260.00	31
32	213600.00	18060.00	239400.00	124500.00	504.00	85290.00	32
33	210300.00	16140.00	242000.00	123200.00	8536.00	90650.00	33
34	297400.00	20650.00	323200.00	227700.00	-2176.00	90660.00	34
35	304500.00	22580.00	333600.00	243200.00	11220.00	79940.00	35
36	98700.00	27100.00	142600.00	-54850.00	4520.00	70550.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	7460.00	65050.00	-11910.00	75100.00	1936.00	78510.00	1
2	12010.00	67780.00	-11460.00	82740.00	5904.00	81600.00	2
3	4735.00	40490.00	-6505.00	49910.00	2390.00	47200.00	3
4	4280.00	53680.00	7885.00	56210.00	-5112.00	60870.00	4
5	5644.00	44130.00	-6955.00	51260.00	4154.00	53370.00	5
6	2000.00	86900.00	-2464.00	91730.00	-2472.00	96150.00	6
7	-6646.00	60060.00	-6962.00	71050.00	-15700.00	68810.00	7
8	9281.00	70510.00	-8760.00	83640.00	4144.00	82480.00	8
9	5176.00	78250.00	2928.00	89940.00	3712.00	90860.00	9
10	3816.00	79610.00	3376.00	91280.00	5032.00	92180.00	10
11	3816.00	88710.00	8776.00	102100.00	3264.00	105400.00	11
12	-280.00	99180.00	6976.00	113800.00	-3800.00	116900.00	12
13	16110.00	78250.00	-11010.00	99380.00	9000.00	98810.00	13
14	-4832.00	88260.00	6080.00	96670.00	-10410.00	102300.00	14
15	632.00	88260.00	2480.00	98480.00	-1144.00	102800.00	15
16	1088.00	88720.00	2480.00	98480.00	-2912.00	104500.00	16
17	10180.00	87800.00	5176.00	101200.00	6792.00	105400.00	17
18	3360.00	84620.00	-1120.00	99380.00	176.00	97040.00	18
19	3816.00	81430.00	3832.00	94420.00	-1144.00	95720.00	19
20	8824.00	80070.00	2032.00	94430.00	4584.00	92630.00	20
21	7456.00	95090.00	2936.00	110600.00	5032.00	109000.00	21
22	19740.00	90980.00	15070.00	109300.00	24870.00	107600.00	22
23	17470.00	82340.00	-8760.00	96230.00	17820.00	97920.00	23
24	24560.00	105100.00	6090.00	145700.00	23550.00	128400.00	24
25	176.00	77790.00	3060.00	91280.00	-264.00	97480.00	25
26	18840.00	77340.00	2480.00	91280.00	4152.00	90420.00	26
27	-8464.00	143200.00	5632.00	128600.00	-6440.00	169800.00	27
28	10650.00	73160.00	-15950.00	91730.00	-704.00	96160.00	28
29	7008.00	82800.00	-5616.00	100300.00	-2472.00	99690.00	29
30	10190.00	75060.00	-8760.00	90820.00	5472.00	86450.00	30
31	11550.00	74610.00	-9656.00	89030.00	2384.00	86020.00	31
32	12920.00	81430.00	-9656.00	100700.00	2376.00	97480.00	32
33	1088.00	93260.00	1584.00	101200.00	-2472.00	100600.00	33
34	8824.00	85530.00	-12350.00	103400.00	176.00	102300.00	34
35	5640.00	82340.00	3824.00	95330.00	616.00	97480.00	35
36	10190.00	70510.00	-17300.00	79600.00	17820.00	88220.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	207000.00	11100.00	223300.00	195900.00	-4088.00	70070.00	1
2	288600.00	6528.00	300300.00	276800.00	-61.50	65160.00	2
3	317300.00	6528.00	323800.00	308100.00	385.00	29010.00	3
4	319200.00	15010.00	336800.00	301600.00	-2740.00	37490.00	4
5	302900.00	35240.00	361600.00	267700.00	-508.00	29010.00	5
6	325100.00	14360.00	344700.00	289900.00	9311.00	52220.00	6
7	322500.00	28720.00	379900.00	267700.00	11540.00	61580.00	7
8	224000.00	11100.00	242900.00	208900.00	824.00	80330.00	8
9	276200.00	18930.00	295100.00	253300.00	11540.00	97300.00	9
10	323200.00	24140.00	352500.00	295100.00	12420.00	99080.00	10
11	359700.00	37200.00	396900.00	296400.00	40100.00	141900.00	11
12	338200.00	52210.00	410000.00	232400.00	36090.00	186100.00	12
13	310100.00	34590.00	344700.00	272900.00	20460.00	118700.00	13
14	309400.00	22180.00	342100.00	287300.00	18220.00	96850.00	14
15	350600.00	33280.00	386400.00	301600.00	11090.00	128100.00	15
16	357700.00	33940.00	391700.00	275500.00	7520.00	122700.00	16
17	339500.00	43070.00	394300.00	250700.00	28050.00	143300.00	17
18	305500.00	31320.00	351200.00	244200.00	41880.00	139200.00	18
19	293100.00	35900.00	332900.00	236400.00	26240.00	162000.00	19
20	277500.00	34590.00	322500.00	219400.00	10190.00	150400.00	20
21	373400.00	49180.00	456900.00	227200.00	14210.00	133900.00	21
22	344000.00	33280.00	389100.00	304200.00	13320.00	103500.00	22
23	355100.00	48300.00	425600.00	296400.00	18670.00	100900.00	23
24	340800.00	36540.00	394300.00	302900.00	50370.00	145900.00	24
25	306800.00	24800.00	335600.00	265100.00	12870.00	84340.00	25
26	286000.00	45680.00	340800.00	240300.00	9304.00	94170.00	26
27	290500.00	39820.00	340800.00	250700.00	13770.00	118300.00	27
28	172400.00	23490.00	233700.00	138500.00	-512.00	100400.00	28
29	272900.00	53510.00	344000.00	167200.00	824.00	95510.00	29
30	239600.00	13700.00	257200.00	189400.00	3496.00	82120.00	30
31	225300.00	13700.00	259800.00	207600.00	-72.00	82120.00	31
32	252700.00	34590.00	319900.00	205000.00	7960.00	102600.00	32
33	283300.00	28720.00	312100.00	206300.00	-4088.00	132600.00	33
34	352500.00	26100.00	396900.00	312100.00	4840.00	95960.00	34
35	357700.00	31320.00	389100.00	286000.00	21790.00	100400.00	35
36	215500.00	23490.00	249000.00	-12930.00	-11220.00	71850.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-11180.00	63650.00	5724.00	65330.00	1
2	-6219.00	63210.00	9801.00	62150.00	2
3	-5309.00	27990.00	4817.00	29040.00	3
4	-12080.00	37470.00	-2897.00	29490.00	4
5	-343.00	30250.00	9807.00	31310.00	5
6	3268.00	48300.00	-174.50	47640.00	6
7	4171.00	53720.00	-3350.00	52630.00	7
8	-8476.00	73590.00	8442.00	73490.00	8
9	-2608.00	85780.00	5712.00	90740.00	9
10	3264.00	86220.00	2536.00	91190.00	10
11	20870.00	119200.00	2536.00	123000.00	11
12	11380.00	167500.00	4808.00	149700.00	12
13	4168.00	102500.00	7528.00	108900.00	13
14	7776.00	86220.00	3448.00	87560.00	14
15	5064.00	123200.00	-1992.00	113900.00	15
16	2360.00	117800.00	-6984.00	111600.00	16
17	11390.00	128700.00	-1544.00	125200.00	17
18	24030.00	116000.00	13880.00	115200.00	18
19	-2608.00	142700.00	272.00	124300.00	19
20	-4864.00	135900.00	1632.00	132900.00	20
21	2808.00	120100.00	-10170.00	123000.00	21
22	1456.00	93440.00	1184.00	91650.00	22
23	1000.00	90280.00	14340.00	92100.00	23
24	25830.00	125900.00	27040.00	115700.00	24
25	3712.00	76740.00	12530.00	75760.00	25
26	552.00	82620.00	8896.00	83940.00	26
27	1448.00	108800.00	-4264.00	127900.00	27
28	-12540.00	94800.00	5264.00	96640.00	28
29	-11180.00	90740.00	-2448.00	81660.00	29
30	-6664.00	77190.00	8896.00	80300.00	30
31	-11630.00	78540.00	7528.00	80760.00	31
32	-18410.00	91640.00	7528.00	89830.00	32
33	-13440.00	121900.00	-19700.00	132500.00	33
34	-10740.00	86670.00	2992.00	88930.00	34
35	8680.00	85320.00	2536.00	98460.00	35
36	-32400.00	73140.00	11620.00	77580.00	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TOGW 24800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.20	264.40	264.10	.98	.99	.97	1
2	264.30	264.40	264.10	1.00	1.01	.99	2
3	264.30	264.40	264.10	1.00	1.01	1.00	3
4	264.30	264.60	263.90	1.01	1.02	.98	4
5	264.30	264.90	263.70	1.01	1.06	.95	5
6	264.40	264.60	263.70	1.00	1.02	.98	6
7	264.30	264.60	263.70	1.00	1.02	.98	7
8	264.80	265.10	264.10	1.00	1.03	.98	8
9	264.70	264.90	264.10	1.03	1.08	1.01	9
10	264.30	264.40	263.90	1.00	1.06	.95	10
11	264.30	264.90	263.50	1.03	1.11	.81	11
12	264.50	266.00	263.50	.93	1.22	.87	12
13	264.70	265.10	264.10	1.12	1.20	.90	13
14	264.70	264.90	263.90	1.02	1.08	.92	14
15	263.90	264.40	263.10	1.11	1.29	1.00	15
16	264.20	264.60	263.30	1.00	1.30	.84	16
17	264.80	265.60	263.50	1.10	1.26	.94	17
18	264.20	265.10	262.80	1.05	1.25	.91	18
19	263.70	265.80	262.80	1.02	1.40	.94	19
20	265.80	267.20	263.30	1.10	1.50	.79	20
21	266.20	271.10	261.30	1.34	1.60	.85	21
22	264.10	264.40	263.70	1.02	1.09	.94	22
23	264.30	264.60	263.70	.95	1.05	.91	23
24	263.30	265.40	262.60	.98	1.07	.88	24
25	263.90	264.30	263.30	.96	1.02	.90	25
26	264.30	264.60	263.90	1.01	1.10	.96	26
27	263.80	265.30	262.40	1.00	1.08	.91	27
28	266.00	268.80	262.20	1.02	1.43	.75	28
29	266.70	270.40	262.60	1.22	1.62	.86	29
30	264.30	266.00	262.90	1.15	1.29	.95	30
31	263.80	265.60	262.60	1.16	1.33	1.00	31
32	263.70	265.80	262.20	1.15	1.54	.97	32
33	265.90	267.20	262.60	1.17	1.59	.85	33
34	264.60	265.10	262.60	1.13	1.17	.92	34
35	264.10	264.60	263.10	.93	1.15	.85	35
36	264.80	286.10	258.30	1.24	1.53	.79	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	-.04	.12	-.21	.61	1.68	-.12	1
2	-.04	.12	-.21	.35	1.59	-.21	2
3	-.04	.12	-.21	.99	1.51	-.64	3
4	-.04	.12	-.21	.52	1.68	-.81	4
5	-.04	.12	-.21	.39	1.59	-.89	5
6	-.04	.12	-.21	.65	1.59	-.72	6
7	-.04	.12	-.21	.78	1.59	-.29	7
8	-.04	.12	-.21	.82	1.59	-.47	8
9	-.04	.12	-.21	.91	1.68	-.12	9
10	-.04	.12	-.21	.61	1.59	-.21	10
11	-.04	.12	-.21	.82	1.76	-.12	11
12	.04	.29	-.21	.61	1.85	-.29	12
13	-.04	.12	-.21	.86	1.68	-.12	13
14	-.04	.12	-.21	1.03	1.76	-.12	14
15	-.04	.12	-.21	.78	2.11	-.21	15
16	.04	7.40	-30.16	-2.27	-.55	-5.87	16
17	14.27	30.90	-5.34	-3.34	-.47	-7.41	17
18	-17.75	10.88	-33.97	-2.74	-.29	-7.93	18
19	2.94	37.36	-9.81	-.12	.73	-5.18	19
20	-.46	1.11	-2.03	-3.47	7.17	-10.24	20
21	.95	1.78	-.04	-2.48	-1.92	-5.44	21
22	-1.86	.45	-3.19	-4.97	-4.50	-6.21	22
23	.87	1.45	.12	-6.21	-5.52	-6.81	23
24	1.69	3.10	-1.04	-6.55	-5.18	-6.81	24
25	-2.11	.78	-2.86	-5.57	-5.10	-6.64	25
26	1.11	1.61	.78	-5.01	-2.87	-5.44	26
27	-.04	2.11	-.71	-3.68	-2.52	-3.90	27
28	1.03	1.45	-1.20	-6.94	3.65	-13.24	28
29	.20	.78	-1.70	.05	.91	-1.41	29
30	6.91	33.05	-2.86	.73	5.36	-2.27	30
31	-18.17	3.43	-35.96	-.47	2.62	-3.64	31
32	-31.74	2.77	-49.86	3.05	5.36	-2.10	32
33	22.30	49.60	-.04	.13	4.77	-1.49	33
34	-1.70	1.11	-3.85	-9.94	2.19	-21.91	34
35	-.46	1.61	-1.86	-1.07	.65	-5.52	35
36	.04	14.69	-25.04	5.79	13.00	2.11	36

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	116100.00	9680.00	173600.00	106400.00	-56.00	78600.00	2
3	110300.00	10330.00	171000.00	99980.00	-2744.00	78600.00	3
4	132900.00	12260.00	216100.00	109000.00	-3184.00	81730.00	4
5	176100.00	10320.00	199400.00	87070.00	-3184.00	83520.00	5
6	137400.00	7744.00	165800.00	129700.00	-2744.00	74140.00	6
7	103900.00	12910.00	186400.00	90940.00	-2736.00	81280.00	7
8	166400.00	10980.00	185200.00	72880.00	-7208.00	83060.00	8
9	165800.00	7096.00	165800.00	138700.00	-3632.00	75020.00	9
10	211600.00	32310.00	244500.00	146400.00	-7200.00	92900.00	10
11	143200.00	10980.00	174800.00	125800.00	-1400.00	74580.00	11
12	149000.00	12910.00	167100.00	36750.00	4408.00	77700.00	12
13	240700.00	12910.00	240000.00	227700.00	3960.00	72790.00	13
14	188400.00	9680.00	205800.00	132200.00	840.00	74140.00	14
15	192900.00	14200.00	243900.00	178700.00	832.00	80380.00	15
16	185800.00	10980.00	221300.00	158100.00	-952.00	78600.00	16
17	187700.00	14190.00	216100.00	147700.00	3512.00	75930.00	17
18	241300.00	14840.00	256100.00	183900.00	1280.00	75470.00	18
19	174800.00	27100.00	253600.00	137400.00	1728.00	76820.00	19
20	212300.00	9032.00	221300.00	203200.00	-512.00	71900.00	20
21	214800.00	9032.00	225200.00	201900.00	3960.00	79050.00	21
22	167100.00	14200.00	182600.00	152900.00	3512.00	75030.00	22
23	180600.00	14840.00	195500.00	165800.00	840.00	69670.00	23
24	157400.00	17420.00	182600.00	124500.00	2624.00	71460.00	24
25	201900.00	14200.00	216100.00	169700.00	332.00	68330.00	25
26	205200.00	14840.00	220000.00	174800.00	2168.00	73690.00	26
27	174800.00	13550.00	204500.00	163200.00	-1400.00	96020.00	27
28	118100.00	6456.00	131000.00	111600.00	1288.00	63870.00	28
29	70310.00	7743.00	96110.00	62560.00	2181.00	62080.00	29
30	58040.00	8388.00	71580.00	31590.00	841.00	53590.00	30
31	-13580.00	9034.00	41910.00	-22620.00	7034.00	57170.00	31
32	-14870.00	3872.00	-11000.00	-20040.00	3968.00	43570.00	32
33	-18740.00	6453.00	-3257.00	-26490.00	3968.00	52250.00	33
34	-14870.00	9035.00	7068.00	-31650.00	5308.00	58950.00	34
35	-35520.00	10330.00	71580.00	-45850.00	-5412.00	58950.00	35
36	-24550.00	10970.00	1905.00	-35520.00	-52.00	54490.00	36
37	-9710.00	10330.00	615.00	-29070.00	841.00	45550.00	37
38	-14870.00	12910.00	5777.00	-27780.00	334.50	45110.00	38
39	-4548.00	12910.00	8358.00	-32940.00	8880.00	52700.00	39
40	-5193.00	13550.00	9649.00	-18740.00	4861.00	50470.00	40
41	-18740.00	9034.00	94820.00	-44560.00	8878.00	65200.00	41
42	153500.00	8392.00	177400.00	128400.00	-4080.00	71010.00	42
43	127100.00	10320.00	147700.00	111600.00	4858.00	69220.00	43
44	173600.00	11420.00	198100.00	151600.00	-11670.00	63420.00	44
45	132900.00	21300.00	198100.00	78050.00	3960.00	77260.00	45
46	190300.00	25820.00	225200.00	-9710.00	1280.00	77260.00	46
47	178700.00	18070.00	196800.00	30300.00	-56.00	75030.00	47
48	143900.00	15490.00	159300.00	19970.00	4408.00	73240.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	236100.00	21300.00	257400.00	-27780.00	5304.00	74140.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	7448.00	78730.00	-13310.00	89980.00	-3680.00	92990.00	2
3	8816.00	78270.00	-16910.00	89980.00	-2352.00	94320.00	3
4	9272.00	83290.00	-15550.00	94030.00	-1472.00	98720.00	4
5	8360.00	83290.00	-13760.00	96740.00	-1032.00	96520.00	5
6	7448.00	74180.00	-14210.00	84590.00	-3672.00	86820.00	6
7	10640.00	81920.00	-15550.00	93140.00	-152.00	95640.00	7
8	11540.00	84650.00	-20960.00	97630.00	296.00	101400.00	8
9	5632.00	75090.00	-16010.00	85480.00	-4552.00	87700.00	9
10	6088.00	90100.00	-16010.00	108900.00	-4112.00	107500.00	10
11	12460.00	70990.00	-11960.00	85030.00	2056.00	83740.00	11
12	16100.00	73720.00	-8808.00	90890.00	8664.00	87700.00	12
13	7907.00	70080.00	-4312.00	83690.00	2936.00	80220.00	13
14	10640.00	72810.00	-15560.00	86840.00	2936.00	88150.00	14
15	9720.00	76460.00	-6560.00	92240.00	3376.00	88590.00	15
16	8360.00	76010.00	-6560.00	90430.00	5144.00	86820.00	16
17	9277.00	74180.00	-4760.00	86840.00	2936.00	84620.00	17
18	10640.00	70990.00	-4760.00	86840.00	-152.00	83300.00	18
19	7451.00	69620.00	-8808.00	89990.00	-2792.00	84180.00	19
20	11090.00	69630.00	-9256.00	84140.00	3376.00	84180.00	20
21	2440.00	76460.00	-3864.00	88630.00	-2352.00	86380.00	21
22	1536.00	77360.00	-2512.00	87280.00	-5440.00	87710.00	22
23	13820.00	74180.00	-6552.00	80540.00	11300.00	85060.00	23
24	8816.00	68260.00	-4760.00	83240.00	1608.00	78010.00	24
25	8817.00	69170.00	-9712.00	78290.00	4696.00	82860.00	25
26	5168.00	72820.00	-4752.00	85940.00	-5000.00	89910.00	26
27	8816.00	126500.00	-5208.00	104400.00	6464.00	136600.00	27
28	9728.00	60980.00	-6560.00	72430.00	2056.00	71400.00	28
29	8368.00	59620.00	-3856.00	70640.00	728.00	69190.00	29
30	7003.00	55520.00	-8806.00	64790.00	-2349.00	67880.00	30
31	10190.00	55070.00	-4307.00	65690.00	-1025.00	63910.00	31
32	7458.00	48700.00	-7452.00	54440.00	-584.00	52890.00	32
33	7913.00	50060.00	-7451.00	58040.00	-17780.00	58620.00	33
34	11100.00	56890.00	-6109.00	66600.00	-11170.00	63470.00	34
35	3815.00	62350.00	-19150.00	70640.00	-8968.00	77130.00	35
36	7907.00	62800.00	-20950.00	68840.00	-7208.00	77130.00	36
37	12010.00	53250.00	-14200.00	52200.00	-1471.00	64350.00	37
38	2907.00	45050.00	-11510.00	54900.00	-9405.00	56420.00	38
39	13830.00	46870.00	-702.50	61190.00	2061.00	56410.00	39
40	11100.00	48700.00	-11060.00	58050.00	-1025.00	63910.00	40
41	7911.00	66440.00	-2960.00	76030.00	-3672.00	78010.00	41
42	10180.00	68710.00	-14210.00	81890.00	1176.00	83740.00	42
43	10640.00	66440.00	-4312.00	80090.00	5584.00	75810.00	43
44	8368.00	67810.00	-23650.00	76040.00	-1472.00	84620.00	44
45	7456.00	76910.00	-4304.00	89980.00	2928.00	87260.00	45
46	4720.00	79650.00	-7912.00	87290.00	1168.00	87260.00	46
47	10640.00	75540.00	-12410.00	84580.00	728.00	84180.00	47
48	10640.00	73730.00	-8360.00	81430.00	-1032.00	80650.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	4992.00	78270.00	-3408.00	81890.00	-2352.00	85500.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	251400.00	16320.00	270400.00	201200.00	2216.00	108500.00	2
3	241000.00	16320.00	261200.00	209000.00	432.00	90660.00	3
4	220100.00	22850.00	320000.00	164600.00	7576.00	138900.00	4
5	319300.00	18930.00	338200.00	145000.00	4448.00	95570.00	5
6	239000.00	10450.00	257300.00	227300.00	432.00	83500.00	6
7	206400.00	14370.00	258600.00	192000.00	2664.00	106300.00	7
8	200500.00	20240.00	257300.00	180300.00	-6712.00	122800.00	8
9	227300.00	15670.00	242900.00	211600.00	1328.00	80830.00	9
10	293800.00	47000.00	340800.00	223400.00	-4430.00	103600.00	10
11	285400.00	15020.00	318700.00	267700.00	880.00	75020.00	11
12	301000.00	17620.00	318700.00	179000.00	4431.00	68770.00	12
13	293900.00	18270.00	316000.00	275600.00	11150.00	95120.00	13
14	249500.00	16970.00	266400.00	189400.00	12940.00	120100.00	14
15	309500.00	19580.00	329100.00	249500.00	17850.00	131300.00	15
16	260600.00	18930.00	284700.00	214200.00	6680.00	128200.00	16
17	254000.00	18930.00	276900.00	186800.00	24930.00	125000.00	17
18	323200.00	20240.00	343500.00	233800.00	24540.00	115700.00	18
19	362400.00	25460.00	387900.00	193300.00	23660.00	139800.00	19
20	269700.00	16320.00	289900.00	253400.00	3112.00	88870.00	20
21	262500.00	13060.00	279500.00	240300.00	11150.00	91550.00	21
22	223400.00	13060.00	242900.00	209000.00	10700.00	86640.00	22
23	223400.00	15660.00	252100.00	207700.00	4000.00	84400.00	23
24	235800.00	17620.00	274300.00	218100.00	5732.00	88860.00	24
25	227300.00	22200.00	249500.00	205100.00	-464.00	79940.00	25
26	218100.00	20890.00	250800.00	197200.00	1768.00	89320.00	26
27	239000.00	18270.00	257300.00	220800.00	-2696.00	99140.00	27
28	148500.00	10440.00	186800.00	154200.00	-16.00	72350.00	28
29	115600.00	12400.00	138500.00	103200.00	-3144.00	77260.00	29
30	82350.00	13060.00	116300.00	65390.00	-10280.00	74580.00	30
31	18400.00	14360.00	75820.00	-22080.00	-11630.00	70570.00	31
32	17090.00	27420.00	44510.00	-11630.00	-6263.00	63420.00	32
33	5993.00	13710.00	23620.00	-14240.00	-4926.00	66550.00	33
34	-1841.00	13710.00	20150.00	-19470.00	-6263.00	63420.00	34
35	-5105.00	15670.00	92800.00	-23380.00	-7160.00	78600.00	35
36	13830.00	20240.00	34060.00	-12940.00	-4040.00	82620.00	36
37	31440.00	37850.00	69300.00	-16850.00	-8493.00	59400.00	37
38	10560.00	26110.00	36670.00	-19470.00	-15640.00	64760.00	38
39	-10330.00	22190.00	26230.00	-32520.00	1768.00	71450.00	39
40	-13590.00	15010.00	2729.00	-31220.00	-8947.00	63420.00	40
41	23620.00	16970.00	139800.00	-16850.00	-10290.00	79940.00	41
42	249000.00	14360.00	283400.00	232500.00	-2248.00	76360.00	42
43	248200.00	14370.00	263800.00	219400.00	6691.00	58500.00	43
44	295800.00	15020.00	310800.00	253400.00	4000.00	84400.00	44
45	235800.00	22850.00	321300.00	212900.00	-16.00	76820.00	45
46	107800.00	21540.00	357800.00	62780.00	2216.00	84410.00	46
47	338900.00	13710.00	352600.00	87580.00	-8944.00	79490.00	47
48	315400.00	16320.00	335600.00	92800.00	880.00	79490.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	251400.00	21540.00	357800.00	28840.00	9808.00	75920.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-7520.00	116700.00	-9384.00	96220.00	2552.00	106700.00	2
3	-5408.00	96060.00	-9384.00	80860.00	3912.00	86250.00	3
4	-18900.00	136500.00	-13450.00	125600.00	-8800.00	122600.00	4
5	-4256.00	97740.00	-14350.00	85820.00	1640.00	88520.00	5
6	-1624.00	88900.00	-10290.00	73630.00	8456.00	78980.00	6
7	-10890.00	106600.00	-8936.00	94860.00	280.00	94420.00	7
8	-12580.00	123500.00	-20680.00	113800.00	-2896.00	109400.00	8
9	-2048.00	85950.00	-11640.00	71370.00	9360.00	75360.00	9
10	-12150.00	102800.00	-11650.00	92140.00	-5160.00	89880.00	10
11	3016.00	81740.00	-12090.00	76340.00	12080.00	78080.00	11
12	2168.00	69100.00	-5769.00	62790.00	9820.00	60370.00	12
13	-4256.00	99440.00	1456.00	82660.00	280.00	89880.00	13
14	-17210.00	109500.00	7776.00	115200.00	3000.00	99860.00	14
15	-12160.00	123900.00	552.00	108000.00	-4712.00	113000.00	15
16	-6680.00	125100.00	-808.00	120200.00	-8792.00	107100.00	16
17	-7936.00	113800.00	5520.00	103000.00	280.00	105300.00	17
18	-7520.00	109100.00	6880.00	98020.00	-624.00	98960.00	18
19	-5416.00	131400.00	2352.00	115200.00	-176.00	107600.00	19
20	-1200.00	96060.00	-7128.00	78600.00	736.00	86700.00	20
21	-3304.00	93110.00	3264.00	82660.00	1640.00	84890.00	21
22	-2040.00	90170.00	2360.00	79050.00	7096.00	81260.00	22
23	912.00	84690.00	-8032.00	75890.00	6184.00	76710.00	23
24	-3304.00	93960.00	-5776.00	79950.00	3008.00	87150.00	24
25	64.00	85540.00	-10730.00	72270.00	7088.00	79440.00	25
26	-5840.00	94800.00	-12100.00	79950.00	2552.00	87610.00	26
27	8488.00	113300.00	-8480.00	86270.00	20700.00	106700.00	27
28	3432.00	77940.00	-13900.00	66400.00	11180.00	69000.00	28
29	3432.00	78790.00	-18860.00	72270.00	11630.00	73990.00	29
30	3440.00	79630.00	-20220.00	73630.00	13450.00	76710.00	30
31	11450.00	71630.00	-22480.00	78600.00	20260.00	78080.00	31
32	16500.00	58140.00	-20220.00	66400.00	21170.00	67180.00	32
33	14390.00	61930.00	-21130.00	69110.00	19800.00	70360.00	33
34	11860.00	61930.00	-20230.00	69120.00	18450.00	69910.00	34
35	4808.00	80470.00	-23390.00	82210.00	16170.00	82170.00	35
36	6384.00	73310.00	-14360.00	83110.00	17990.00	82160.00	36
37	10600.00	53830.00	-21130.00	64600.00	16180.00	64910.00	37
38	913.50	64460.00	-28350.00	73630.00	5272.00	73080.00	38
39	13130.00	65720.00	-11190.00	70920.00	11180.00	69000.00	39
40	3860.00	65720.00	-19320.00	68210.00	12090.00	75350.00	40
41	5960.00	80470.00	-20220.00	84470.00	14350.00	83980.00	41
42	-784.00	79630.00	-8031.00	69570.00	3464.00	73990.00	42
43	2599.00	60250.00	-1248.00	54660.00	9821.00	52200.00	43
44	3856.00	85950.00	-3960.00	75430.00	8448.00	77170.00	44
45	5120.00	81310.00	-14800.00	76340.00	12090.00	76260.00	45
46	13970.00	84270.00	-6680.00	80860.00	20710.00	78520.00	46
47	3432.00	83000.00	-15710.00	76340.00	11630.00	78530.00	47
48	11440.00	80900.00	-9836.00	74080.00	18900.00	75810.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	488.00	72470.00	-22030.00	70020.00	9815.00	72170.00	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 25800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	9102OSDY	9102OMAX	9102OMIN	1442OSDY	1442OMAX	1442OMIN	EVENT
2	264.80	265.30	262.80	1.17	1.20	1.00	2
3	264.80	265.80	262.80	1.06	1.20	.94	3
4	266.50	267.20	262.20	1.26	1.28	.98	4
5	262.80	265.40	262.40	1.17	1.29	.99	5
6	263.40	263.70	262.60	1.01	1.04	.92	6
7	263.10	266.60	262.00	1.11	1.30	.84	7
8	264.70	267.60	261.40	.88	1.35	.74	8
9	265.30	268.80	265.10	1.02	1.03	.93	9
10	266.60	268.40	264.90	1.07	1.21	.92	10
11	264.00	264.10	263.30	1.06	1.11	1.05	11
12	264.10	266.40	262.90	1.07	1.17	.89	12
13	263.80	264.10	263.50	.98	1.02	.97	13
14	266.50	266.60	262.90	1.11	1.20	.93	14
15	263.00	264.60	262.80	.98	1.18	.94	15
16	264.10	264.90	263.30	1.06	1.19	.99	16
17	264.70	266.00	263.90	1.11	1.15	.88	17
18	263.00	267.60	262.20	1.23	1.29	.89	18
19	264.00	271.80	262.80	1.31	1.44	.89	19
20	263.80	264.10	263.70	.99	1.00	.98	20
21	264.00	264.40	263.90	1.05	1.06	.96	21
22	264.20	264.30	263.50	1.00	1.03	.99	22
23	263.50	264.10	263.30	.96	1.00	.95	23
24	264.10	264.60	263.70	1.06	1.10	1.00	24
25	262.80	263.90	262.60	1.00	1.03	.92	25
26	262.90	264.30	262.80	1.04	1.08	1.00	26
27	263.40	264.10	263.30	1.00	1.01	.95	27
28	263.80	264.60	263.70	.91	.94	.89	28
29	265.20	265.60	264.90	.99	1.06	.97	29
30	261.70	264.40	261.30	1.01	1.07	.94	30
31	277.70	278.20	265.10	.90	1.14	.85	31
32	283.40	284.10	283.40	1.02	1.04	1.00	32
33	277.00	286.90	271.10	1.06	1.12	.97	33
34	282.80	286.50	262.20	.91	1.31	.85	34
35	267.90	283.40	255.00	1.41	1.45	.67	35
36	273.00	280.30	265.30	1.41	1.52	.94	36
37	285.30	286.90	281.80	.98	1.06	.96	37
38	273.20	273.60	270.40	.94	.96	.85	38
39	272.70	276.30	272.40	1.00	1.05	.96	39
40	274.90	275.30	273.00	1.03	1.13	.96	40
41	274.50	281.20	258.30	1.40	1.54	1.00	41
42	263.40	264.40	263.30	1.12	1.19	1.03	42
43	264.80	264.90	263.90	1.10	1.11	.92	43
44	263.00	264.10	262.80	1.11	1.23	1.07	44
45	265.70	266.00	262.20	1.23	1.30	1.01	45
46	264.00	266.60	261.60	1.01	1.10	.94	46
47	264.80	266.00	261.40	.99	1.10	.96	47
48	264.00	265.40	261.10	1.05	1.09	1.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TOGW 24800 TOCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	263.90	269.80	259.40	1.08	1.11	.94	49

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	14.04	31.13	-.39	3.51	3.85	-3.18	2
3	-7.56	-3.22	-31.41	-.56	4.88	-2.23	3
4	21.46	39.97	2.45	-4.72	3.51	-9.00	4
5	-12.98	.11	-39.25	3.76	6.93	-5.57	5
6	-.72	-.55	-1.72	2.05	3.25	-.78	6
7	-1.22	-.55	-2.39	.85	10.45	-10.11	7
8	-.05	1.11	-1.39	-7.50	6.85	-15.51	8
9	-.39	.11	-.55	-2.27	-2.06	-3.35	9
10	-.72	-.55	-1.22	-3.13	-.78	-3.43	10
11	-15.15	.61	-26.57	4.75	11.05	1.36	11
12	9.95	26.96	2.45	9.20	14.73	-.01	12
13	-.64	.11	-1.22	-3.65	-3.18	-3.86	13
14	-20.65	-7.89	-23.40	1.32	2.91	-4.12	14
15	26.88	27.96	18.62	-4.12	.25	-6.52	15
16	9.28	28.63	3.61	-1.72	1.79	-4.37	16
17	-1.22	-.72	-1.72	-2.40	.34	-2.83	17
18	-.55	.61	-.72	-2.92	-2.57	-4.20	18
19	.86	1.11	-1.06	-1.08	-.52	-3.52	19
20	-4.39	-1.39	-4.89	-3.09	-2.75	-3.60	20
21	.95	1.61	-1.72	-4.46	-4.20	-6.69	21
22	-1.22	-.22	-2.22	-1.42	-1.29	-1.72	22
23	.36	1.45	-.22	-2.53	-2.40	-3.35	23
24	.53	.78	.11	-2.79	-.78	-2.92	24
25	-1.89	-1.39	-3.39	-2.96	-2.83	-4.20	25
26	-.05	.61	-.89	-2.27	-1.98	-2.83	26
27	-1.47	-.55	-1.72	-3.22	-2.57	-3.35	27
28	-.39	.11	-.72	-3.05	-2.83	-4.37	28
29	-.05	.28	-.22	-.78	.68	-2.06	29
30	-2.56	-2.39	-2.89	-1.63	-1.03	-2.83	30
31	3.03	3.61	-4.72	1.32	3.08	-1.29	31
32	1.53	6.28	-.55	3.08	3.16	2.82	32
33	4.28	27.13	-3.22	-2.45	2.31	-4.29	33
34	-18.15	-8.06	-36.25	1.84	5.14	-7.46	34
35	-.05	3.95	-2.56	1.15	8.73	-6.09	35
36	-1.72	-1.06	-2.22	4.79	4.88	3.34	36
37	-3.31	-1.56	-3.56	2.82	3.68	2.56	37
38	-1.72	-1.56	-2.22	-1.76	-1.12	-3.09	38
39	-.64	1.78	-.89	-1.16	-.43	-1.29	39
40	1.11	1.45	.11	.12	.42	-.26	40
41	11.95	46.30	4.45	-.26	3.68	-9.17	41
42	-15.40	3.78	-29.91	6.08	10.87	3.42	42
43	7.12	27.96	6.62	8.05	10.36	4.62	43
44	-11.14	-9.06	-41.91	5.61	10.36	3.16	44
45	20.88	39.47	-.55	10.19	13.61	2.56	45
46	-1.06	.95	-3.39	1.19	6.51	.59	46
47	-1.14	1.95	-1.39	9.29	13.36	-.26	47
48	.28	1.28	-.55	13.91	16.95	6.59	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	-.80	4.45	-2.56	11.94	20.46	3.68	49

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
1	289100.00	16130.00	319500.00	266600.00	1542.00	45120.00	1
2	289800.00	20640.00	332400.00	256200.00	-6499.00	58520.00	2
3	275600.00	23220.00	328500.00	245900.00	-3372.00	55390.00	3
4	293600.00	15490.00	309100.00	276900.00	-11410.00	44670.00	4
5	292400.00	18060.00	313000.00	267800.00	-2479.00	50030.00	5
6	281400.00	66450.00	345900.00	205900.00	-691.50	53610.00	6
7	340700.00	38060.00	378800.00	254900.00	-9184.00	62990.00	7
8	276900.00	20640.00	328800.00	252400.00	-5168.00	111700.00	8
9	302700.00	19350.00	323600.00	248500.00	-8744.00	98280.00	9
10	86580.00	7096.00	94960.00	75620.00	649.00	38870.00	10
11	125900.00	6456.00	132400.00	111700.00	-1138.00	62990.00	11
12	120800.00	7744.00	145300.00	101400.00	-4265.00	58070.00	12
13	320100.00	22580.00	346500.00	132400.00	1095.00	33950.00	13
14	288500.00	23220.00	358200.00	253600.00	202.00	56290.00	14
15	245300.00	18700.00	273000.00	196900.00	6455.00	63430.00	15
16	192400.00	25160.00	248500.00	158200.00	648.50	36180.00	16
17	207900.00	16130.00	225300.00	168500.00	-1139.00	31720.00	17
18	189800.00	20000.00	235600.00	144000.00	-245.00	42440.00	18
19	171100.00	19350.00	214900.00	141400.00	-245.00	30820.00	19
20	189100.00	19350.00	226600.00	159500.00	-245.00	35290.00	20
21	182700.00	24510.00	214900.00	154300.00	-1139.00	31720.00	21
22	248500.00	24510.00	334900.00	146600.00	-10970.00	37080.00	22
23	289800.00	16770.00	320700.00	264000.00	-5606.00	52270.00	23
24	294900.00	21930.00	319500.00	257500.00	-3819.00	58520.00	24
25	251700.00	23860.00	328500.00	226600.00	-3375.00	62550.00	25
26	233000.00	18060.00	288500.00	200800.00	-696.00	75940.00	26
27	206600.00	16130.00	247200.00	176200.00	7344.00	76830.00	27
28	187200.00	13540.00	207200.00	163300.00	6896.00	74610.00	28
29	175000.00	10320.00	199500.00	155600.00	3320.00	77290.00	29
30	175000.00	9032.00	194300.00	162000.00	6000.00	71920.00	30
31	330400.00	22580.00	358200.00	113000.00	7784.00	87110.00	31
32	326500.00	14830.00	341400.00	280800.00	-6946.00	38420.00	32
33	309800.00	14830.00	344000.00	289800.00	-5159.00	37530.00	33
34	333600.00	16780.00	359400.00	294900.00	-5606.00	38870.00	34
35	330400.00	18700.00	359400.00	298800.00	-12310.00	38420.00	35
36	320100.00	21290.00	345900.00	293600.00	-9626.00	39310.00	36
37	331700.00	19990.00	342000.00	304000.00	1543.00	37970.00	37
38	335600.00	23860.00	377500.00	261400.00	5116.00	52270.00	38
39	294300.00	38060.00	332400.00	47240.00	-2936.00	86220.00	39
40	293300.00	38060.00	278200.00	42080.00	1984.00	88450.00	40
41	230400.00	29670.00	275600.00	31760.00	4216.00	84420.00	41
42	12400.00	15480.00	144000.00	-21140.00	-2040.00	74600.00	42
43	296900.00	17420.00	334900.00	222700.00	201.50	44670.00	43
44	148500.00	26450.00	262700.00	94960.00	3776.00	44670.00	44
45	92380.00	9024.00	102700.00	71740.00	14040.00	93370.00	45
46	102700.00	7744.00	116900.00	71740.00	13140.00	92470.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41380SDY	41880ALT	EVENT
1	5446.00	46450.00	-695.50	51290.00	2922.00	54640.00	1
2	-2752.00	56470.00	-4299.00	67490.00	-5391.00	65210.00	2
3	1348.00	50550.00	-5197.00	63890.00	-1044.00	61250.00	3
4	-19.00	46450.00	-16900.00	54900.00	-2807.00	55960.00	4
5	-3663.00	52830.00	-245.50	57140.00	-1048.00	64780.00	5
6	-5484.00	51920.00	-10600.00	63900.00	-16030.00	65650.00	6
7	2714.00	59210.00	-14650.00	74250.00	-2816.00	70060.00	7
8	5432.00	109300.00	-14200.00	130500.00	-608.00	126000.00	8
9	-10500.00	101600.00	-13300.00	112500.00	-19110.00	117200.00	9
10	3625.00	37350.00	-3395.00	43190.00	-3247.00	41420.00	10
11	-5030.00	63310.00	-3400.00	70180.00	-8979.00	68300.00	11
12	892.00	59210.00	-9697.00	62990.00	-7219.00	66540.00	12
13	4080.00	35980.00	-1595.00	47690.00	-3247.00	52880.00	13
14	10450.00	56010.00	-7000.00	71990.00	264.00	74020.00	14
15	5443.00	62850.00	5602.00	71090.00	1152.00	76670.00	15
16	892.00	39170.00	-6095.00	48590.00	-1925.00	50670.00	16
17	4080.00	35980.00	2304.00	45890.00	3363.00	48910.00	17
18	891.50	47360.00	-2495.00	54890.00	-1926.00	58600.00	18
19	8634.00	34160.00	-2046.00	45440.00	6447.00	49350.00	19
20	436.50	37800.00	-4295.00	47690.00	-603.50	51110.00	20
21	5446.00	32790.00	-695.50	44990.00	2041.00	46710.00	21
22	9545.00	41440.00	-245.50	52640.00	7328.00	54640.00	22
23	-5484.00	52830.00	-12390.00	61190.00	-15590.00	62570.00	23
24	-9584.00	57840.00	-6104.00	71990.00	-22200.00	69180.00	24
25	-2752.00	61030.00	-6104.00	75590.00	-13390.00	71830.00	25
26	-6402.00	71050.00	-6552.00	85930.00	-16910.00	80640.00	26
27	-3208.00	76060.00	5592.00	90890.00	-13390.00	92980.00	27
28	-9136.00	76510.00	5144.00	90440.00	-16910.00	93860.00	28
29	-13690.00	75610.00	-704.00	94480.00	-26170.00	92540.00	29
30	-5944.00	73320.00	1992.00	88180.00	-16040.00	90330.00	30
31	-2304.00	86990.00	2896.00	102600.00	-8104.00	103500.00	31
32	2258.00	40530.00	-11940.00	48140.00	-3247.00	52880.00	32
33	-19.00	38260.00	-15090.00	46790.00	-4569.00	50670.00	33
34	7723.00	42360.00	-17340.00	47240.00	718.50	53320.00	34
35	6813.00	43270.00	-18690.00	45890.00	2922.00	53760.00	35
36	2258.00	42360.00	-15090.00	46790.00	3363.00	52430.00	36
37	5446.00	40080.00	-3845.00	43640.00	718.50	45380.00	37
38	436.50	56020.00	2454.00	62540.00	-7219.00	67420.00	38
39	9080.00	83800.00	-1375.00	99430.00	4680.00	94300.00	39
40	9992.00	87450.00	-12850.00	102100.00	-1048.00	100000.00	40
41	12270.00	81520.00	-6552.00	96730.00	-2808.00	100000.00	41
42	9536.00	75150.00	-3856.00	85940.00	-3256.00	94300.00	42
43	5902.00	43270.00	-1145.00	53540.00	-3688.00	54200.00	43
44	-19.00	48280.00	-695.00	53090.00	-8096.00	60370.00	44
45	-12330.00	87900.00	-256.00	101200.00	-23320.00	90770.00	45
46	-2760.00	82890.00	1992.00	98980.00	-10750.00	85040.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	315600.00	11600.00	334800.00	296100.00	1634.00	31970.00	1
2	312900.00	18040.00	343800.00	265200.00	4298.00	38190.00	2
3	305800.00	22540.00	341200.00	270400.00	4743.00	43960.00	3
4	316800.00	10310.00	327100.00	301300.00	7851.00	33750.00	4
5	316800.00	12890.00	330900.00	298700.00	2078.00	40410.00	5
6	339300.00	63780.00	413400.00	267800.00	-1475.00	33300.00	6
7	299400.00	24150.00	324800.00	253600.00	11850.00	72380.00	7
8	296200.00	19980.00	342500.00	251100.00	9176.00	90140.00	8
9	327100.00	18030.00	345100.00	251100.00	7848.00	94140.00	9
10	106700.00	12880.00	119600.00	83540.00	2522.00	21310.00	10
11	111200.00	7088.00	118300.00	99010.00	2966.00	30640.00	11
12	93850.00	10310.00	117000.00	78380.00	2966.00	37740.00	12
13	229800.00	41880.00	358000.00	118300.00	29600.00	62610.00	13
14	258800.00	21900.00	309000.00	216300.00	2078.00	33300.00	14
15	226600.00	20620.00	254900.00	204700.00	1190.00	43960.00	15
16	196300.00	17390.00	239500.00	162100.00	7402.00	61720.00	16
17	204700.00	11590.00	216300.00	177600.00	8739.00	57730.00	17
18	222700.00	36080.00	258800.00	151800.00	4298.00	60390.00	18
19	193700.00	16110.00	216300.00	150500.00	8734.00	62160.00	19
20	190500.00	14170.00	226600.00	162100.00	5182.00	60390.00	20
21	182100.00	17390.00	203400.00	153100.00	3854.00	55510.00	21
22	219500.00	21260.00	318000.00	131200.00	3854.00	62610.00	22
23	300700.00	14820.00	333500.00	273000.00	6519.00	34190.00	23
24	292300.00	12890.00	323200.00	270400.00	5630.00	27980.00	24
25	312300.00	14820.00	327100.00	260100.00	-1919.00	32860.00	25
26	291600.00	12240.00	310300.00	244600.00	6963.00	27530.00	26
27	238300.00	20620.00	284500.00	198200.00	5630.00	29750.00	27
28	208500.00	16750.00	233000.00	178900.00	4298.00	22200.00	28
29	194400.00	11600.00	216300.00	169900.00	1634.00	21310.00	29
30	189800.00	10950.00	203800.00	177600.00	2522.00	18650.00	30
31	191800.00	19330.00	356700.00	123500.00	-3251.00	33300.00	31
32	249100.00	16750.00	303900.00	239500.00	7407.00	31530.00	32
33	256800.00	17390.00	288400.00	224000.00	4298.00	31970.00	33
34	240100.00	19970.00	280700.00	204700.00	2078.00	47510.00	34
35	211800.00	19980.00	247200.00	185300.00	4742.00	48400.00	35
36	213700.00	25780.00	274200.00	166000.00	4742.00	51950.00	36
37	188000.00	18040.00	208500.00	151800.00	3855.00	43960.00	37
38	249100.00	23840.00	298700.00	135100.00	8235.00	47510.00	38
39	314800.00	27060.00	408200.00	169900.00	4288.00	93250.00	39
40	390900.00	22550.00	434000.00	209800.00	8728.00	95910.00	40
41	288400.00	23200.00	377300.00	122200.00	296.00	84810.00	41
42	104800.00	24140.00	387600.00	52630.00	9176.00	83030.00	42
43	301300.00	20620.00	358000.00	256200.00	2967.00	35080.00	43
44	133800.00	29630.00	293600.00	79680.00	6075.00	34640.00	44
45	95140.00	7728.00	104200.00	70660.00	4742.00	29750.00	45
46	88700.00	9016.00	108000.00	62930.00	6962.00	29310.00	46

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-9537.00	33210.00	-8535.00	33320.00	-6096.00	33010.00	1
2	-4493.00	36580.00	-3132.00	36920.00	-6096.00	32110.00	2
3	-9958.00	39520.00	-1331.00	44130.00	-7453.00	37990.00	3
4	-9957.00	31950.00	4524.00	31970.00	-11070.00	29850.00	4
5	-1550.00	34470.00	-9886.00	37370.00	9281.00	32110.00	5
6	-10380.00	31530.00	-6734.00	34220.00	-11520.00	32110.00	6
7	-13750.00	72730.00	2271.00	63940.00	-8813.00	64680.00	7
8	-12910.00	90380.00	4064.00	80140.00	-7464.00	77780.00	8
9	-13750.00	91220.00	-1792.00	82400.00	-2480.00	78240.00	9
10	-3231.00	22700.00	-8084.00	16660.00	7472.00	18540.00	10
11	-4913.00	31110.00	-3582.00	22960.00	5211.00	25330.00	11
12	-2811.00	37420.00	-6734.00	29720.00	5663.00	30300.00	12
13	-6594.00	42040.00	6325.00	42780.00	17420.00	39350.00	13
14	-7015.00	33210.00	-7634.00	36920.00	4759.00	32110.00	14
15	-4072.00	49610.00	-10340.00	40520.00	5663.00	42060.00	15
16	-2811.00	58440.00	-4032.00	57640.00	4759.00	52910.00	16
17	-1550.00	56330.00	-2681.00	53580.00	4306.00	48840.00	17
18	-1550.00	56330.00	-5833.00	56730.00	6115.00	50650.00	18
19	-3651.00	57600.00	-10340.00	59440.00	8377.00	54720.00	19
20	-4072.00	55490.00	-5383.00	56280.00	3854.00	50200.00	20
21	-3652.00	54230.00	-9886.00	52680.00	5663.00	50200.00	21
22	-7436.00	61380.00	-10790.00	60790.00	-4287.00	58340.00	22
23	-9117.00	31950.00	-4932.00	29720.00	2497.00	27140.00	23
24	-4913.00	28590.00	-8535.00	26120.00	6115.00	27140.00	24
25	-9958.00	30270.00	-13940.00	35120.00	-2930.00	32560.00	25
26	-1549.00	26910.00	-5833.00	24320.00	2498.00	24420.00	26
27	1394.00	29850.00	-4932.00	31520.00	10190.00	29400.00	27
28	-1129.00	19760.00	-5833.00	26120.00	5663.00	26680.00	28
29	-1970.00	22280.00	-6283.00	22060.00	14260.00	22610.00	29
30	-288.00	20600.00	-4933.00	18910.00	9281.00	20350.00	30
31	-8276.00	34470.00	-13040.00	34220.00	3854.00	31210.00	31
32	-8276.00	32790.00	-7634.00	31520.00	4759.00	30300.00	32
33	-4913.00	31950.00	-6283.00	31070.00	3402.00	30750.00	33
34	-4493.00	45820.00	-7184.00	40070.00	4759.00	38440.00	34
35	-3652.00	50030.00	-8985.00	39170.00	7472.00	41160.00	35
36	-4072.00	51290.00	-7184.00	41880.00	7020.00	44320.00	36
37	-4913.00	43720.00	-5383.00	39170.00	9734.00	37080.00	37
38	-3231.00	47090.00	-4482.00	42780.00	11090.00	39350.00	38
39	3912.00	95430.00	-13050.00	90060.00	16970.00	87740.00	39
40	9376.00	97540.00	-11690.00	93210.00	21940.00	90900.00	40
41	-5760.00	91650.00	-14640.00	81950.00	8368.00	85470.00	41
42	4744.00	86180.00	-8992.00	77900.00	10620.00	83220.00	42
43	-11640.00	36160.00	-14390.00	32870.00	-4739.00	36180.00	43
44	-10380.00	33210.00	-1331.00	28820.00	10640.00	32560.00	44
45	-5333.00	30490.00	-7184.00	21160.00	11990.00	23070.00	45
46	-6594.00	31950.00	-7634.00	24320.00	11090.00	26680.00	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TRGW 24300 TRCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.30	264.60	263.30	1.00	1.02	.98	1
2	263.50	265.40	263.10	1.01	1.05	.96	2
3	264.60	265.30	263.50	1.02	1.05	.96	3
4	263.80	263.90	263.70	1.00	1.02	.99	4
5	264.00	264.60	263.70	.98	1.01	.97	5
6	264.80	265.40	264.10	1.01	1.04	.96	6
7	264.30	264.90	263.10	1.00	1.04	.97	7
8	264.90	265.30	263.50	1.02	1.05	.95	8
9	264.50	265.60	263.50	1.03	1.05	.94	9
10	264.30	265.10	264.10	1.00	1.02	.98	10
11	263.80	264.60	263.70	1.00	1.02	.97	11
12	263.70	264.60	263.50	.99	1.05	.95	12
13	264.70	266.80	263.30	.96	1.04	.91	13
14	265.70	266.80	263.30	.96	1.08	.88	14
15	266.80	267.20	264.30	.99	1.03	.94	15
16	264.10	266.40	263.50	.97	1.04	.94	16
17	264.20	264.60	263.90	1.00	1.01	.98	17
18	264.30	266.60	263.90	.98	1.05	.91	18
19	265.30	266.20	264.30	.99	1.03	.97	19
20	264.00	264.90	263.50	1.01	1.02	.96	20
21	264.80	265.60	264.60	1.02	1.03	.98	21
22	264.70	265.80	261.40	.94	1.02	.93	22
23	265.20	265.60	263.90	.98	1.03	.95	23
24	264.20	264.90	263.50	.96	1.04	.94	24
25	264.90	265.30	263.30	1.01	1.05	.96	25
26	264.80	265.80	264.10	.97	1.03	.96	26
27	264.70	265.60	264.30	1.01	1.02	.97	27
28	265.40	265.60	264.40	.98	1.02	.97	28
29	264.00	265.80	263.70	.96	1.04	.94	29
30	264.70	265.10	263.90	.99	1.02	.96	30
31	261.60	266.20	259.90	1.04	1.11	.97	31
32	264.60	265.30	263.10	1.01	1.03	.95	32
33	264.80	265.30	263.70	1.00	1.02	.96	33
34	264.20	265.30	263.30	1.00	1.03	.96	34
35	265.20	265.40	263.90	.99	1.03	.97	35
36	264.30	265.30	263.10	.98	1.03	.94	36
37	264.70	264.90	264.10	.99	1.01	.96	37
38	264.50	264.90	263.30	.98	1.03	.96	38
39	262.80	265.30	261.30	1.02	1.11	.97	39
40	263.30	264.90	262.40	1.02	1.06	.91	40
41	264.20	266.40	261.30	.95	1.11	.90	41
42	261.40	263.10	258.60	1.07	1.15	.95	42
43	263.20	265.40	260.90	1.10	1.18	.92	43
44	266.70	269.80	264.30	1.09	1.55	.79	44
45	264.70	264.90	263.90	.98	1.04	.94	45
46	264.70	264.90	263.70	1.00	1.04	.96	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	-.07	.58	-.56	5.02	5.96	4.50	1
2	-1.94	4.00	-4.30	.18	6.56	-.89	2
3	.91	3.03	-3.98	4.42	7.16	2.36	3
4	-1.45	-.72	-1.86	5.79	5.96	5.70	4
5	-.88	1.40	-1.70	5.74	6.56	3.48	5
6	1.23	1.40	.58	3.26	4.07	2.19	6
7	.58	1.23	.09	5.96	6.90	5.36	7
8	1.07	4.49	-1.37	5.87	8.44	2.45	8
9	.99	3.19	-3.49	7.16	8.87	1.16	9
10	-.07	.09	-.23	5.23	5.53	4.67	10
11	-1.61	-.72	-2.35	5.53	6.04	4.85	11
12	1.64	2.05	-1.21	3.95	6.22	3.65	12
13	1.15	8.40	-1.21	8.66	12.81	5.19	13
14	-.48	1.23	-5.77	8.53	11.01	7.50	14
15	-1.94	-1.05	-4.30	10.58	11.70	8.19	15
16	-4.38	1.40	-5.12	5.83	8.19	2.10	16
17	-.39	.42	-3.81	5.15	5.53	4.59	17
18	-3.65	-.23	-4.95	3.48	8.61	.56	18
19	-3.16	.75	-4.14	5.15	7.07	4.85	19
20	-1.94	-1.70	-5.12	5.44	6.56	4.67	20
21	-1.53	1.23	-3.49	6.94	7.50	5.96	21
22	1.80	10.52	1.23	3.82	6.56	.56	22
23	2.29	3.84	1.23	5.87	6.47	5.19	23
24	1.64	2.37	.75	3.95	6.47	3.39	24
25	1.64	4.00	-.07	6.56	7.07	3.56	25
26	3.68	4.49	3.35	4.89	6.04	3.99	26
27	3.35	4.98	1.07	4.67	5.96	3.39	27
28	1.48	2.21	.42	4.38	6.04	3.48	28
29	1.56	2.86	1.07	4.97	6.64	3.73	29
30	3.19	3.35	2.21	4.33	5.02	3.48	30
31	-1.70	.26	-12.44	2.79	8.10	2.02	31
32	-1.37	-.23	-2.35	8.06	8.61	4.07	32
33	-.48	.09	-1.70	6.00	6.90	5.36	33
34	-.23	.75	-2.02	8.44	9.21	5.44	34
35	.99	1.23	.09	6.34	6.99	5.96	35
36	.75	1.23	-.72	9.17	10.41	5.79	36
37	.01	1.07	-.72	6.34	6.81	5.70	37
38	-.96	.42	-1.70	-1.36	4.16	-3.89	38
39	-1.78	8.56	-3.49	10.75	11.18	3.30	39
40	-2.02	1.72	-3.81	4.76	8.10	1.25	40
41	-1.70	1.40	-4.63	5.79	16.15	5.19	41
42	.50	2.21	-2.02	10.45	21.97	10.07	42
43	-.31	.09	-2.02	3.56	4.16	2.88	43
44	.34	.91	-1.05	3.48	4.07	2.70	44
45	-2.35	-.23	-2.51	4.67	6.90	4.42	45
46	-.72	1.72	-.88	5.79	6.22	4.33	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	274900.00	13540.00	301400.00	248500.00	-4720.00	83540.00	2
3	246600.00	32900.00	287200.00	7242.00	7336.00	92920.00	3
4	293000.00	13540.00	310400.00	262700.00	-5168.00	90240.00	4
5	284000.00	10970.00	294900.00	261400.00	-7848.00	88460.00	5
6	271700.00	9032.00	284600.00	262700.00	-5168.00	85780.00	6
7	258200.00	9672.00	270400.00	248500.00	-4272.00	83090.00	7
8	245900.00	10330.00	246600.00	234300.00	-8296.00	90680.00	8
9	273600.00	13550.00	288500.00	245900.00	-691.50	54500.00	9
10	246600.00	14830.00	261400.00	229100.00	-1585.00	58070.00	10
11	216200.00	18060.00	236900.00	178800.00	-256.00	72820.00	11
12	168500.00	12900.00	193000.00	155600.00	192.00	67010.00	12
13	171100.00	14190.00	212400.00	140100.00	1536.00	67460.00	13
14	96900.00	13540.00	122100.00	80770.00	6903.00	56730.00	14
15	47880.00	9677.00	60140.00	34340.00	3776.00	46460.00	15
16	-10180.00	10970.00	25300.00	-21140.00	6010.00	45120.00	16
17	137500.00	16770.00	278200.00	-15980.00	-3821.00	66560.00	17
18	175600.00	12260.00	198200.00	158200.00	202.00	57180.00	18
19	209100.00	10970.00	220100.00	180100.00	-3372.00	61650.00	19
20	213000.00	12260.00	226600.00	186600.00	-2480.00	67900.00	20
21	218200.00	14830.00	257500.00	200800.00	-4272.00	75060.00	21
22	214300.00	20000.00	244000.00	175000.00	-4720.00	77280.00	22
23	179500.00	10970.00	191700.00	164600.00	202.00	54500.00	23
24	200800.00	12900.00	213700.00	171100.00	202.00	55390.00	24
25	223300.00	27740.00	257500.00	154300.00	3776.00	51820.00	25
26	229100.00	14190.00	248500.00	160800.00	-2040.00	69240.00	26
27	239500.00	18060.00	257500.00	125900.00	-2040.00	71030.00	27
28	144000.00	16130.00	189200.00	147900.00	5116.00	65670.00	28
29	184000.00	23220.00	208500.00	137500.00	1095.00	61650.00	29
30	191700.00	25810.00	217500.00	149200.00	23430.00	75050.00	30
31	195000.00	8392.00	203300.00	177500.00	-2479.00	55390.00	31
32	202700.00	13540.00	221400.00	169800.00	649.00	64780.00	32
33	228500.00	26450.00	260100.00	102700.00	-4272.00	69700.00	33
34	182700.00	23220.00	229100.00	146600.00	-3825.00	63890.00	34
35	204000.00	26450.00	302700.00	94960.00	-4272.00	69700.00	35
36	206600.00	20000.00	247800.00	135000.00	-2480.00	67900.00	36
37	247800.00	25160.00	311700.00	158200.00	-2032.00	59410.00	37
38	193000.00	33540.00	251100.00	104000.00	-1143.00	65670.00	38
39	-41780.00	6451.00	-31460.00	-54690.00	6010.00	37080.00	39
40	-37910.00	7741.00	-26300.00	-57910.00	11370.00	54050.00	40
41	-33400.00	13550.00	-6950.00	-57910.00	5559.00	62540.00	41
42	-12760.00	10970.00	51110.00	-57910.00	-691.50	61650.00	42
43	-41140.00	14840.00	-10820.00	-57910.00	-248.00	70140.00	43
44	91740.00	10970.00	118200.00	-44360.00	-1139.00	62090.00	44
45	-34690.00	9676.00	-19850.00	-44360.00	7797.00	49590.00	45
46	-11470.00	12260.00	44660.00	-57910.00	5116.00	55840.00	46
47	-13400.00	14190.00	35630.00	-57910.00	5112.00	62980.00	47
48	-15340.00	17420.00	29170.00	-57910.00	5115.00	64770.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	-27590.00	18060.00	31760.00	-57910.00	-2926.00	55840.00	49
50	193700.00	9680.00	203300.00	172400.00	-8744.00	87560.00	50
51	234900.00	15490.00	256200.00	218800.00	-7400.00	88900.00	51
52	229100.00	21940.00	287200.00	185300.00	-8296.00	93370.00	52
53	218800.00	18060.00	236900.00	194300.00	-4272.00	82190.00	53
54	267200.00	21290.00	289800.00	227900.00	2432.00	79070.00	54
55	254200.00	24510.00	329800.00	227900.00	-2040.00	88010.00	55
56	281400.00	25150.00	345200.00	256200.00	4216.00	86220.00	56
57	231100.00	32900.00	360700.00	48530.00	-12310.00	64330.00	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	9080.00	85620.00	-16900.00	99880.00	272.00	104900.00	2
3	11360.00	94270.00	1096.00	107100.00	704.00	107100.00	3
4	11810.00	89260.00	-17800.00	108000.00	2032.00	111900.00	4
5	7720.00	87900.00	-16900.00	104400.00	-1056.00	106200.00	5
6	11360.00	85170.00	-14660.00	101200.00	2912.00	104000.00	6
7	11820.00	82890.00	-14660.00	97630.00	2032.00	101300.00	7
8	6352.00	91090.00	-19600.00	106200.00	-4136.00	109300.00	8
9	10000.00	50100.00	-10150.00	65240.00	3363.00	62130.00	9
10	9545.00	52370.00	-9701.00	68400.00	2918.00	66090.00	10
11	12270.00	68770.00	-11500.00	84580.00	-168.00	82390.00	11
12	9999.00	61940.00	-10150.00	78740.00	1152.00	74910.00	12
13	10000.00	63760.00	-7456.00	78740.00	3792.00	75790.00	13
14	7724.00	56930.00	-4299.00	67490.00	1152.00	66980.00	14
15	12280.00	45090.00	-9244.00	55340.00	2922.00	54640.00	15
16	11370.00	43270.00	-8794.00	53990.00	5125.00	51550.00	16
17	9543.00	61480.00	-14650.00	79640.00	-608.00	78430.00	17
18	10910.00	52830.00	-9245.00	67940.00	3359.00	65650.00	18
19	10450.00	57840.00	-10600.00	72890.00	2472.00	71820.00	19
20	10910.00	62850.00	-10150.00	80540.00	272.00	78430.00	20
21	9996.00	70130.00	-13300.00	87290.00	-2376.00	86360.00	21
22	10450.00	72410.00	-15550.00	89540.00	-1928.00	88570.00	22
23	9545.00	51460.00	-9251.00	65250.00	3363.00	61250.00	23
24	7268.00	51920.00	-9249.00	66140.00	1600.00	59490.00	24
25	6357.00	51010.00	-4751.00	62550.00	2482.00	58600.00	25
26	10450.00	66940.00	-15550.00	81440.00	2032.00	81070.00	26
27	9994.00	66490.00	-11050.00	85030.00	2472.00	80630.00	27
28	20020.00	61940.00	-2952.00	78740.00	16580.00	80640.00	28
29	9997.00	58290.00	-4752.00	72430.00	2472.00	74470.00	29
30	-24.00	85620.00	19990.00	87290.00	-8536.00	96940.00	30
31	8635.00	51460.00	-11940.00	65240.00	278.00	64330.00	31
32	7720.00	60570.00	-6552.00	75140.00	6005.00	70940.00	32
33	12730.00	69220.00	-17350.00	83240.00	5560.00	87240.00	33
34	8630.00	57830.00	-11950.00	75140.00	-176.00	72700.00	34
35	9083.00	66490.00	-13300.00	84580.00	-1936.00	82400.00	35
36	8179.00	65580.00	-11950.00	82340.00	1592.00	78870.00	36
37	9084.00	56470.00	-13750.00	71550.00	272.00	70500.00	37
38	6356.00	65580.00	-7448.00	76940.00	-616.00	73140.00	38
39	4991.00	38710.00	-6545.00	44540.00	2922.00	43180.00	39
40	9090.00	54650.00	654.00	64340.00	7766.00	60360.00	40
41	14100.00	57840.00	-6104.00	75590.00	9526.00	72700.00	41
42	11820.00	57380.00	-15090.00	72890.00	-1048.00	76230.00	42
43	16380.00	68310.00	-15100.00	83690.00	6440.00	91660.00	43
44	9086.00	59200.00	-9697.00	73790.00	2032.00	69620.00	44
45	6357.00	50100.00	-695.50	54890.00	1159.00	55520.00	45
46	8634.00	56020.00	-5651.00	65250.00	5121.00	63890.00	46
47	-4574.00	60120.00	-1600.00	70190.00	-13380.00	67420.00	47
48	11360.00	63300.00	-5200.00	78290.00	-2808.00	78870.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	6357.00	53740.00	-15100.00	66600.00	-7217.00	69180.00	49
50	4984.00	90630.00	-17350.00	102100.00	-2816.00	108000.00	50
51	7264.00	88350.00	-13750.00	103900.00	1152.00	107500.00	51
52	3160.00	91540.00	-15550.00	109300.00	-2816.00	110600.00	52
53	10450.00	78780.00	-10150.00	97640.00	3800.00	96060.00	53
54	7256.00	80150.00	-3408.00	93580.00	7320.00	93420.00	54
55	8168.00	85620.00	-7904.00	103500.00	6432.00	101300.00	55
56	6352.00	86530.00	-704.00	101700.00	7768.00	100900.00	56
57	6354.00	62850.00	-11950.00	76040.00	2472.00	77110.00	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	366400.00	9664.00	391500.00	327100.00	2072.00	75930.00	2
3	379300.00	30280.00	426300.00	123500.00	-2368.00	80370.00	3
4	367000.00	12890.00	390200.00	346400.00	8736.00	84370.00	4
5	358600.00	10960.00	377300.00	346400.00	6072.00	85260.00	5
6	363800.00	9664.00	377300.00	352800.00	7400.00	76820.00	6
7	365700.00	9024.00	376000.00	355400.00	4736.00	74160.00	7
8	338000.00	12250.00	352800.00	325800.00	6952.00	88810.00	8
9	338000.00	8376.00	354100.00	327100.00	6074.00	40850.00	9
10	335400.00	9664.00	346400.00	319300.00	5186.00	39080.00	10
11	318000.00	16750.00	345100.00	294900.00	3848.00	74150.00	11
12	292300.00	12890.00	309000.00	267800.00	1634.00	55950.00	12
13	293600.00	14180.00	327100.00	253600.00	1190.00	51950.00	13
14	200200.00	12250.00	217600.00	182800.00	1190.00	50180.00	14
15	142200.00	8376.00	154400.00	131200.00	7407.00	46620.00	15
16	91920.00	7088.00	100300.00	64220.00	2522.00	31970.00	16
17	201400.00	16110.00	364400.00	68080.00	1630.00	63940.00	17
18	287800.00	5800.00	302600.00	282000.00	1190.00	36860.00	18
19	298700.00	9016.00	307700.00	279400.00	746.00	47070.00	19
20	284600.00	9016.00	302600.00	271700.00	6962.00	66610.00	20
21	326400.00	19980.00	350300.00	297400.00	2520.00	95910.00	21
22	332200.00	20620.00	363200.00	293300.00	-3256.00	98140.00	22
23	309000.00	12890.00	327100.00	292300.00	3410.00	39080.00	23
24	334200.00	13530.00	355400.00	312900.00	2078.00	40410.00	24
25	340600.00	18040.00	388900.00	297400.00	5630.00	39520.00	25
26	318000.00	19330.00	350300.00	262600.00	-2368.00	81260.00	26
27	314800.00	19970.00	343800.00	244600.00	-6808.00	85700.00	27
28	280700.00	20620.00	307700.00	254900.00	1634.00	56840.00	28
29	271700.00	19330.00	306400.00	252300.00	-2807.00	47070.00	29
30	285200.00	26420.00	321900.00	249800.00	8738.00	66610.00	30
31	278100.00	19330.00	301300.00	258800.00	-586.00	58170.00	31
32	282000.00	11590.00	293600.00	258800.00	-1031.00	44400.00	32
33	291600.00	26420.00	323200.00	226600.00	-4584.00	94140.00	33
34	283300.00	25780.00	337400.00	230400.00	746.00	47070.00	34
35	387000.00	36720.00	441700.00	212400.00	-11250.00	86590.00	35
36	329700.00	20620.00	395400.00	288400.00	2522.00	57730.00	36
37	323200.00	21900.00	368300.00	245900.00	746.00	51510.00	37
38	361900.00	43810.00	445600.00	224000.00	-3695.00	42630.00	38
39	56480.00	32210.00	88690.00	20410.00	2966.00	30640.00	39
40	49400.00	30280.00	86110.00	13970.00	4743.00	43960.00	40
41	21700.00	15460.00	64220.00	2372.00	5631.00	43070.00	41
42	60380.00	17400.00	84830.00	8815.00	6518.00	39520.00	42
43	80320.00	27700.00	114500.00	19120.00	2966.00	42180.00	43
44	195000.00	10950.00	206000.00	8815.00	745.50	55950.00	44
45	17190.00	8376.00	33300.00	8815.00	6075.00	37300.00	45
46	37810.00	12240.00	101600.00	7526.00	7407.00	43960.00	46
47	44830.00	14820.00	84830.00	16550.00	6519.00	52840.00	47
48	39740.00	14170.00	75810.00	16550.00	6963.00	47070.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	51980.00	26410.00	115800.00	15260.00	2078.00	44850.00	49
50	254900.00	14180.00	273000.00	230400.00	-592.00	93700.00	50
51	288500.00	16100.00	306400.00	267800.00	4736.00	91920.00	51
52	338000.00	38010.00	376000.00	254900.00	21170.00	145600.00	52
53	240100.00	15460.00	288400.00	244600.00	5624.00	83930.00	53
54	303900.00	19330.00	337400.00	278100.00	14950.00	81700.00	54
55	355400.00	36080.00	391500.00	280700.00	2960.00	120300.00	55
56	348300.00	33500.00	401800.00	310300.00	18060.00	107900.00	56
57	318700.00	32860.00	385100.00	193100.00	-152.00	87030.00	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-1136.00	76100.00	-8090.00	69800.00	5207.00	67830.00	2
3	-296.00	81140.00	-12140.00	75650.00	6104.00	72360.00	3
4	-5336.00	87860.00	912.00	78800.00	-224.00	79600.00	4
5	-4496.00	87020.00	-2232.00	77450.00	680.00	76890.00	5
6	-4080.00	78190.00	-2688.00	71600.00	2032.00	68290.00	6
7	-1136.00	75250.00	-4033.00	69340.00	3847.00	66470.00	7
8	-5760.00	91650.00	-888.00	81500.00	680.00	80500.00	8
9	-4072.00	36160.00	471.00	41430.00	1593.00	37990.00	9
10	-6174.00	35730.00	-880.00	39170.00	1141.00	36630.00	10
11	-12900.00	69370.00	-2688.00	75200.00	-8360.00	66940.00	11
12	-10380.00	55920.00	-2231.00	58540.00	-8357.00	54270.00	12
13	-9537.00	50870.00	-5383.00	56280.00	-5191.00	50200.00	13
14	2235.00	47510.00	-6734.00	50430.00	9733.00	44320.00	14
15	-1129.00	42460.00	-2681.00	49980.00	8829.00	43420.00	15
16	-2811.00	33210.00	-9886.00	32870.00	8829.00	28040.00	16
17	-1129.00	57600.00	-5840.00	62140.00	7472.00	52910.00	17
18	-1549.00	36160.00	-5383.00	36470.00	2497.00	35280.00	18
19	-7436.00	47090.00	-5833.00	47730.00	-5191.00	46580.00	19
20	-10800.00	63070.00	2272.00	63040.00	-5196.00	62870.00	20
21	-12490.00	90810.00	-5392.00	95010.00	-8816.00	84580.00	21
22	-10800.00	97540.00	-11700.00	98610.00	-12430.00	90000.00	22
23	-1970.00	39100.00	-4483.00	37370.00	2045.00	35730.00	23
24	-708.50	40360.00	-5833.00	37820.00	688.00	38890.00	24
25	-3231.00	40360.00	-3132.00	36920.00	-1121.00	36180.00	25
26	-1976.00	84500.00	-13940.00	83750.00	-1128.00	81400.00	26
27	-9544.00	89540.00	-12140.00	89150.00	-5200.00	85470.00	27
28	-4492.00	60960.00	471.00	59440.00	-7458.00	60610.00	28
29	-2811.00	44980.00	-9885.00	46380.00	2497.00	44320.00	29
30	-5344.00	76100.00	-429.50	60340.00	-2031.00	64230.00	30
31	-4913.00	53810.00	-5833.00	54030.00	-4287.00	53820.00	31
32	-4913.00	42040.00	-4032.00	46830.00	-2026.00	39800.00	32
33	5176.00	105900.00	-22060.00	93660.00	1136.00	97230.00	33
34	-7856.00	44140.00	-3582.00	48180.00	-6096.00	43870.00	34
35	-12060.00	98800.00	-25200.00	86000.00	-23740.00	95880.00	35
36	-3231.00	57180.00	-880.00	53580.00	-7453.00	52460.00	36
37	-1129.00	49190.00	-4032.00	49530.00	-4287.00	49300.00	37
38	-5333.00	44140.00	-6283.00	40070.00	-12430.00	46580.00	38
39	-7015.00	34890.00	-8985.00	30170.00	2497.00	30750.00	39
40	-5754.00	49610.00	-4933.00	36920.00	3854.00	41160.00	40
41	-5333.00	48350.00	-17090.00	38270.00	3402.00	39800.00	41
42	-2390.00	42040.00	-9435.00	37820.00	8829.00	36180.00	42
43	-4174.00	48350.00	-4482.00	39170.00	5211.00	39800.00	43
44	-1549.00	58860.00	-5833.00	56730.00	2950.00	52910.00	44
45	-2390.00	41200.00	-9885.00	34670.00	12900.00	32110.00	45
46	-1549.00	49610.00	-17090.00	40070.00	9733.00	39800.00	46
47	-5333.00	56760.00	-1781.00	46380.00	4758.00	46580.00	47
48	-2390.00	52130.00	-11240.00	40520.00	7020.00	43420.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	4337.00	42040.00	-9886.00	45480.00	10640.00	40700.00	49
50	-2392.00	100100.00	-7640.00	84650.00	680.00	89540.00	50
51	-3240.00	94170.00	464.00	81060.00	-2488.00	84570.00	51
52	-9544.00	131600.00	912.00	123800.00	-17410.00	114000.00	52
53	-3664.00	87020.00	-888.00	77000.00	680.00	80500.00	53
54	968.00	87450.00	5416.00	77000.00	2040.00	80950.00	54
55	-3232.00	116000.00	-6288.00	110300.00	-9264.00	105800.00	55
56	-6176.00	109700.00	11270.00	102700.00	-4744.00	101300.00	56
57	7688.00	89130.00	-8536.00	81050.00	14250.00	80500.00	57

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.60	264.60	1.01	1.06	1.00	2
3	266.60	270.10	261.80	1.05	1.11	.92	3
4	265.20	265.30	264.90	1.05	1.09	1.02	4
5	264.80	265.40	264.60	1.02	1.04	.98	5
6	264.80	265.30	264.60	1.00	1.01	.99	6
7	265.00	265.10	264.90	1.01	1.02	.99	7
8	265.40	265.60	264.90	1.01	1.03	.98	8
9	265.20	265.30	264.90	.99	1.00	.98	9
10	264.80	265.10	264.60	1.02	1.02	1.00	10
11	265.30	265.40	264.40	1.03	1.08	1.02	11
12	265.60	265.80	264.90	1.02	1.06	1.00	12
13	264.70	265.40	263.90	1.01	1.04	1.00	13
14	265.90	266.20	265.80	.99	1.02	.96	14
15	266.00	266.20	265.10	1.01	1.02	.99	15
16	267.10	268.90	266.40	.98	1.01	.92	16
17	262.20	265.40	259.80	1.08	1.15	.97	17
18	265.00	265.30	264.90	.99	1.01	.98	18
19	264.70	265.30	264.30	1.01	1.02	.95	19
20	264.80	265.10	264.40	1.00	1.04	.98	20
21	264.80	265.10	264.60	1.03	1.05	1.00	21
22	264.80	265.80	264.10	1.00	1.07	.92	22
23	264.80	264.90	264.40	1.01	1.02	1.00	23
24	264.80	265.10	264.60	1.03	1.04	1.00	24
25	264.70	265.60	264.10	.93	1.03	.92	25
26	264.80	265.60	263.70	1.02	1.12	.93	26
27	265.30	266.00	263.10	1.05	1.14	.91	27
28	264.80	265.40	264.40	1.04	1.06	1.03	28
29	264.70	264.90	264.30	.98	1.02	.96	29
30	263.70	266.00	263.10	.98	1.07	.91	30
31	264.80	265.10	264.30	1.04	1.04	.99	31
32	264.30	265.10	264.10	.99	1.03	.93	32
33	266.40	267.90	264.40	.97	1.20	.86	33
34	267.60	270.80	264.60	1.03	1.06	.96	34
35	266.50	267.90	261.40	1.06	1.20	.95	35
36	264.60	265.80	263.30	1.06	1.17	.97	36
37	264.60	266.00	264.10	.89	1.12	.83	37
38	266.10	271.80	262.80	1.07	1.28	.91	38
39	274.90	276.90	273.60	.95	1.00	.83	39
40	283.00	284.90	273.20	1.02	1.17	.95	40
41	272.60	285.40	263.90	1.07	1.34	.93	41
42	275.30	291.60	258.30	1.31	1.52	.66	42
43	284.60	289.00	263.10	1.35	1.63	.84	43
44	275.90	278.80	266.20	.95	1.08	.87	44
45	278.80	281.40	278.60	.94	1.05	.91	45
46	277.20	287.20	259.00	1.12	1.26	.77	46
47	271.20	282.50	259.20	1.25	1.32	.86	47
48	273.50	279.40	259.60	1.19	1.42	.94	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	271.70	273.60	258.10	1.13	1.51	.87	49
50	264.70	265.60	264.40	.99	1.02	.97	50
51	264.10	265.10	263.90	.96	.99	.95	51
52	265.00	265.80	263.90	1.07	1.12	.87	52
53	264.80	265.40	264.60	1.05	1.09	1.01	53
54	264.80	265.40	264.10	1.05	1.09	.94	54
55	265.30	265.60	263.50	1.07	1.20	.90	55
56	264.70	265.30	263.70	.96	1.08	.87	56
57	264.60	265.60	260.90	1.00	1.09	.97	57

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-2.84	2.05	-9.68	-6.37	-3.46	-8.85	2
3	-.96	2.70	-10.33	7.59	16.32	-.46	3
4	4.00	5.79	3.03	1.34	3.30	.91	4
5	.42	.91	-.23	.31	.56	-1.83	5
6	-.15	.75	-.88	-.51	-.29	-1.23	6
7	-2.19	-2.02	-2.84	.14	.22	-.89	7
8	.18	1.56	-1.05	-4.15	-2.43	-4.92	8
9	.75	1.23	-.23	2.66	3.13	1.93	9
10	-.48	.58	-1.53	4.55	4.76	4.16	10
11	1.48	1.89	.75	6.99	7.33	5.96	11
12	-1.61	-.56	-2.02	5.57	5.79	4.16	12
13	.26	4.00	-1.53	3.35	4.59	2.62	13
14	.75	2.54	.58	3.00	4.93	2.88	14
15	1.72	2.21	.91	4.03	4.93	3.90	15
16	-.31	.75	-1.53	4.25	5.02	3.56	16
17	1.15	1.56	-1.21	4.50	5.36	.31	17
18	2.86	3.19	.26	3.99	4.25	3.22	18
19	.26	.42	-2.35	1.34	2.53	.65	19
20	1.80	2.05	-2.51	2.02	2.53	.74	20
21	-1.29	-1.05	-2.51	-.21	1.25	-.81	21
22	-.39	1.07	-2.67	-.89	1.93	-2.52	22
23	-1.05	-.39	-1.37	5.49	5.87	5.19	23
24	-.39	.09	-.72	8.10	8.36	5.70	24
25	-.23	.42	-2.67	3.82	8.10	3.48	25
26	-1.21	2.21	-15.21	9.85	10.33	.22	26
27	4.17	17.52	-5.60	4.89	11.10	-1.83	27
28	-1.13	-.56	-2.84	3.65	4.33	2.96	28
29	-2.35	-1.70	-2.84	2.40	3.30	1.51	29
30	-1.45	-.56	-2.51	2.40	3.13	1.76	30
31	-3.08	-1.86	-3.32	3.73	4.16	3.05	31
32	1.89	2.37	.26	1.81	2.70	-.63	32
33	-.80	.58	-2.02	-1.32	5.27	-7.48	33
34	-.56	-.07	-1.21	2.28	3.05	2.02	34
35	10.52	30.54	.75	4.46	10.50	1.76	35
36	-11.87	-.88	-27.92	6.56	11.18	.31	36
37	-1.05	.75	-3.81	-4.96	6.73	-7.66	37
38	-1.78	-.56	-2.02	4.20	4.50	3.22	38
39	-1.86	-1.37	-3.32	5.62	8.27	3.48	39
40	10.68	32.82	-1.05	-.93	6.56	-7.48	40
41	-11.71	.58	-39.15	-1.11	8.78	-6.46	41
42	3.27	3.84	.26	3.48	14.44	-3.63	42
43	3.11	4.17	.75	5.49	11.70	5.02	43
44	3.51	4.00	1.07	4.42	8.01	2.36	44
45	.83	2.05	.42	1.76	2.45	1.42	45
46	-10.82	2.37	-18.47	4.50	12.12	-2.86	46
47	5.06	30.54	3.68	1.34	7.24	-2.52	47
48	4.33	5.96	-1.53	2.96	8.01	-3.12	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	1.56	2.86	-2.19	4.72	7.84	2.45	49
50	.34	.91	-1.70	-3.20	-2.86	-3.89	50
51	-.07	1.23	-.23	-4.57	-4.32	-4.83	51
52	1.89	3.19	-1.37	-2.13	-1.83	-6.37	52
53	-.15	.09	-1.05	-2.52	-1.83	-3.29	53
54	.01	1.40	-1.86	-2.35	-1.49	-4.92	54
55	2.54	22.08	-3.98	3.95	5.96	-2.60	55
56	-.56	.42	-1.86	-5.64	-3.72	-7.48	56
57	-6.66	8.24	-9.19	-.25	8.53	-1.32	57

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	246700.00	13550.00	290000.00	230600.00	-10500.00	92960.00	2
3	174500.00	12260.00	195700.00	159600.00	-7816.00	79540.00	3
4	163500.00	14190.00	188000.00	149300.00	-5136.00	84910.00	4
5	193200.00	18060.00	217700.00	173800.00	-4240.00	84910.00	5
6	156500.00	10330.00	167400.00	139000.00	-6920.00	82230.00	6
7	177000.00	10970.00	189300.00	149300.00	-8704.00	84020.00	7
8	168600.00	10330.00	191900.00	155700.00	-6920.00	83130.00	8
9	181600.00	11620.00	216400.00	169900.00	-6024.00	82230.00	9
10	222200.00	12260.00	242200.00	204800.00	-4240.00	83120.00	10
11	233800.00	14840.00	264100.00	219000.00	-2448.00	84020.00	11
12	278300.00	23230.00	319600.00	255100.00	2024.00	81340.00	12
13	297700.00	24520.00	336400.00	261600.00	5144.00	82680.00	13
14	286700.00	29040.00	340300.00	247400.00	3808.00	84910.00	14
15	282200.00	24520.00	332500.00	255100.00	6488.00	75080.00	15
16	151900.00	9032.00	172500.00	142800.00	-2896.00	79100.00	16
17	177700.00	12900.00	206100.00	164800.00	-2896.00	77310.00	17
18	190600.00	14200.00	212500.00	173800.00	-2000.00	79100.00	18
19	219600.00	13550.00	241600.00	199600.00	-3352.00	87590.00	19
20	234400.00	13550.00	256400.00	198300.00	-3792.00	88030.00	20
21	159600.00	10320.00	173800.00	142800.00	-6472.00	83580.00	21
22	163500.00	9040.00	173800.00	151900.00	-5584.00	85360.00	22
23	188000.00	10330.00	203500.00	172500.00	-5136.00	92060.00	23
24	200900.00	11620.00	216400.00	185400.00	-5136.00	96530.00	24
25	211200.00	12900.00	230600.00	189300.00	-3344.00	99220.00	25
26	215800.00	18710.00	243500.00	190600.00	-6024.00	100100.00	26
27	205400.00	18710.00	262800.00	179000.00	-4240.00	90270.00	27
28	217000.00	18700.00	271900.00	177700.00	-8704.00	92060.00	28
29	257700.00	23220.00	283500.00	193200.00	-1112.00	95190.00	29
30	230600.00	25810.00	287400.00	171200.00	-5584.00	92510.00	30
31	251200.00	20650.00	282200.00	230600.00	15420.00	89380.00	31
32	255800.00	32900.00	311900.00	222800.00	-224.00	84460.00	32
33	270600.00	28380.00	310600.00	228000.00	23020.00	103200.00	33
34	259600.00	16140.00	280900.00	230600.00	2912.00	82220.00	34
35	244100.00	15480.00	266700.00	216400.00	-5128.00	82230.00	35
36	277700.00	26460.00	309300.00	140300.00	-11840.00	89820.00	36
37	314500.00	41300.00	357000.00	189300.00	-6024.00	88490.00	37
38	318300.00	54190.00	372500.00	198300.00	-10050.00	109500.00	38
39	291200.00	24520.00	319600.00	255100.00	9616.00	87150.00	39
40	284800.00	30980.00	326100.00	247400.00	224.00	84910.00	40
41	302800.00	32260.00	348000.00	260300.00	10950.00	95640.00	41
42	140300.00	16130.00	226700.00	110600.00	-8264.00	89830.00	42
43	155100.00	17420.00	248000.00	100300.00	-10500.00	92960.00	43
44	188600.00	18710.00	264100.00	140300.00	-6920.00	104600.00	44
45	205400.00	22580.00	305400.00	153200.00	-9160.00	100600.00	45
46	235100.00	22580.00	259000.00	53810.00	-8704.00	96530.00	46
47	248700.00	40000.00	293800.00	148000.00	-18090.00	106800.00	47
48	182800.00	20650.00	249300.00	139000.00	-2456.00	92950.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
49	202800.00	25160.00	256400.00	151900.00	232.00	87590.00	49
50	123500.00	7744.00	141600.00	114400.00	-216.00	70170.00	50
51	93160.00	12260.00	117000.00	78320.00	-2000.00	71950.00	51
52	38970.00	8388.00	53810.00	22840.00	-3786.00	63010.00	52
53	-29420.00	8388.00	-21030.00	-48130.00	-8702.00	64350.00	53
54	-60390.00	11610.00	3486.00	-57810.00	1120.00	97420.00	54
55	36390.00	18710.00	66700.00	-57810.00	6488.00	78650.00	55
56	63490.00	22580.00	146700.00	-57810.00	-18540.00	82230.00	56
57	-33290.00	20000.00	-12000.00	-57810.00	-16750.00	92060.00	57
58	-39740.00	14840.00	69300.00	-57810.00	3352.00	81780.00	58
59	240900.00	30320.00	314500.00	-57810.00	-1560.00	93850.00	59
60	-10060.00	8388.00	-385.00	-22320.00	5600.00	50050.00	60
61	-44580.00	13230.00	-10710.00	-57810.00	-216.00	70170.00	61
62	-16520.00	16130.00	48650.00	-57810.00	-7368.00	99660.00	62
63	-21030.00	18070.00	18970.00	-57810.00	-7362.00	72850.00	63
64	-37160.00	13550.00	-6837.00	-57810.00	-9600.00	89380.00	64
65	-20390.00	18710.00	25420.00	-57810.00	-11380.00	87590.00	65
66	44780.00	19360.00	207400.00	-57810.00	-9600.00	92060.00	66
67	146700.00	10970.00	185400.00	154400.00	-5584.00	83570.00	67
68	208000.00	25160.00	262200.00	155700.00	-4240.00	88480.00	68
69	219000.00	28380.00	271900.00	129900.00	-4240.00	104600.00	69
70	228000.00	15480.00	277000.00	186700.00	-1560.00	89380.00	70
71	277700.00	17420.00	309300.00	240900.00	-2448.00	92060.00	71
72	288000.00	17420.00	322200.00	261600.00	-5136.00	92060.00	72
73	277700.00	16140.00	306700.00	235700.00	-5136.00	99220.00	73
74	293800.00	23220.00	332500.00	239600.00	1120.00	84910.00	74
76	277700.00	26460.00	323500.00	246100.00	1568.00	82670.00	76
77	262200.00	30330.00	330000.00	219000.00	-1112.00	89830.00	77
78	219000.00	36130.00	320900.00	-18450.00	2464.00	82670.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	6328.00	91990.00	-19620.00	109600.00	640.00	111500.00	2
3	8152.00	81060.00	-17360.00	93810.00	1080.00	97800.00	3
4	13160.00	85160.00	-15100.00	100600.00	6368.00	103100.00	4
5	13620.00	84700.00	-13300.00	100600.00	5488.00	104000.00	5
6	9976.00	82890.00	-17360.00	96510.00	2408.00	100900.00	6
7	7696.00	86990.00	-19160.00	99220.00	-680.00	104000.00	7
8	8152.00	83800.00	-17810.00	97870.00	-688.00	101300.00	8
9	9976.00	81060.00	-14200.00	96970.00	2408.00	99130.00	9
10	9520.00	79700.00	-13760.00	98320.00	2840.00	97800.00	10
11	11340.00	79700.00	-9688.00	99670.00	2840.00	96920.00	11
12	4968.00	79700.00	-2024.00	94710.00	1960.00	91640.00	12
13	8608.00	81520.00	-2928.00	97420.00	5040.00	94720.00	13
14	5416.00	84710.00	-2472.00	99670.00	5048.00	98250.00	14
15	4512.00	77420.00	2936.00	89750.00	1520.00	91200.00	15
16	9520.00	79700.00	-12850.00	92910.00	2840.00	95160.00	16
17	12710.00	76510.00	-12860.00	92010.00	5048.00	92950.00	17
18	16350.00	74690.00	-11050.00	93820.00	10340.00	91200.00	18
19	9520.00	83340.00	-12400.00	103300.00	4168.00	98250.00	19
20	8608.00	85170.00	-12850.00	102800.00	3288.00	99130.00	20
21	8608.00	85170.00	-19160.00	97420.00	-2008.00	100900.00	21
22	8608.00	86080.00	-17360.00	100100.00	-680.00	103100.00	22
23	8608.00	91540.00	-16460.00	107300.00	-680.00	110100.00	23
24	9064.00	95640.00	-16010.00	113200.00	-1128.00	115000.00	24
25	9520.00	98830.00	-17360.00	117300.00	-1120.00	120300.00	25
26	9064.00	100200.00	-16910.00	117700.00	-240.00	122000.00	26
27	9064.00	85620.00	-16460.00	107300.00	-240.00	105300.00	27
28	8152.00	88360.00	-21420.00	110500.00	-2880.00	107900.00	28
29	5872.00	92450.00	-11950.00	112800.00	1960.00	109300.00	29
30	3144.00	89720.00	-17820.00	111400.00	-240.00	110600.00	30
31	10880.00	91090.00	12400.00	105500.00	2400.00	117600.00	31
32	12260.00	80610.00	-10590.00	100600.00	4168.00	98250.00	32
33	-3232.00	97920.00	16010.00	120900.00	-5528.00	115000.00	33
34	8608.00	78780.00	-6088.00	96970.00	5048.00	91190.00	34
35	7240.00	81980.00	-16460.00	97420.00	-2008.00	100900.00	35
36	7248.00	89260.00	-28180.00	107300.00	-5088.00	111900.00	36
37	3600.00	92000.00	-17360.00	103700.00	-11250.00	113700.00	37
38	7240.00	106600.00	-17820.00	128500.00	200.00	119800.00	38
39	20000.00	84710.00	4736.00	110500.00	20460.00	104000.00	39
40	22270.00	80610.00	-8344.00	101900.00	14300.00	96920.00	40
41	7240.00	108400.00	6096.00	115500.00	6368.00	125100.00	41
42	10880.00	91090.00	-22780.00	107300.00	-1560.00	111900.00	42
43	8608.00	93360.00	-25030.00	111400.00	-4648.00	115000.00	43
44	13620.00	106600.00	-23220.00	125800.00	-680.00	133000.00	44
45	9968.00	102000.00	-22780.00	120900.00	-2008.00	125600.00	45
46	11800.00	98380.00	-24580.00	116400.00	-1560.00	121600.00	46
47	9064.00	108400.00	-32700.00	129900.00	2848.00	128600.00	47
48	14070.00	89720.00	-14660.00	110000.00	4168.00	110600.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
49	11340.00	86080.00	-12400.00	106000.00	-2440.00	108400.00	49
50	11350.00	68770.00	-11050.00	81180.00	1960.00	81940.00	50
51	11350.00	72410.00	-14660.00	84780.00	-240.00	87660.00	51
52	11800.00	64670.00	-15560.00	77580.00	2400.00	80620.00	52
53	4048.00	71500.00	-22770.00	80280.00	-10370.00	88110.00	53
54	19080.00	93820.00	-16010.00	115900.00	1960.00	116300.00	54
55	13160.00	75140.00	-6544.00	91100.00	200.00	93400.00	55
56	4056.00	92460.00	-27740.00	104200.00	-10380.00	117200.00	56
57	7248.00	102900.00	-24500.00	119100.00	-6856.00	133000.00	57
58	1776.00	83790.00	-27730.00	100600.00	-13900.00	106600.00	58
59	11340.00	86980.00	-12400.00	108700.00	640.00	108800.00	59
60	9982.00	49190.00	-9240.00	63140.00	1530.00	60360.00	60
61	7701.00	71500.00	-7440.00	83890.00	-6848.00	88990.00	61
62	14530.00	98370.00	-27280.00	122700.00	2848.00	126900.00	62
63	9064.00	77420.00	-28180.00	86600.00	-5528.00	97370.00	63
64	3592.00	96550.00	-24580.00	118200.00	-16100.00	122900.00	64
65	3144.00	94280.00	-29540.00	111400.00	-13020.00	118100.00	65
66	10890.00	93820.00	-30440.00	113200.00	-3760.00	120300.00	66
67	9520.00	85170.00	-18710.00	98780.00	200.00	103100.00	67
68	9976.00	87450.00	-18260.00	104600.00	200.00	104900.00	68
69	14980.00	103400.00	-20520.00	124000.00	200.00	127800.00	69
70	11800.00	85620.00	-14660.00	104600.00	640.00	104400.00	70
71	10880.00	88350.00	-14200.00	109600.00	200.00	108400.00	71
72	12250.00	86980.00	-17360.00	110000.00	2840.00	107500.00	72
73	11340.00	97010.00	-27280.00	118200.00	-680.00	120700.00	73
74	11340.00	81520.00	-7888.00	100600.00	6368.00	96930.00	74
76	10430.00	78780.00	-6992.00	97870.00	4160.00	94720.00	76
77	10430.00	85170.00	-11050.00	106400.00	-2440.00	106600.00	77
78	17720.00	77880.00	-10600.00	96970.00	-3768.00	90310.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	331600.00	14850.00	378700.00	316800.00	1744.00	93780.00	2
3	284500.00	9040.00	302600.00	256100.00	1296.00	73780.00	3
4	309700.00	9688.00	323200.00	296100.00	408.00	69340.00	4
5	335500.00	12260.00	350300.00	318000.00	3079.00	58670.00	5
6	274800.00	20010.00	294800.00	250900.00	3512.00	72440.00	6
7	256700.00	12260.00	279300.00	244500.00	2184.00	80890.00	7
8	238700.00	14850.00	256100.00	221200.00	400.00	91550.00	8
9	249000.00	13560.00	270300.00	226400.00	1744.00	85780.00	9
10	274800.00	13550.00	288400.00	256100.00	3512.00	84890.00	10
11	282600.00	16140.00	298700.00	263800.00	6624.00	89780.00	11
12	317400.00	23880.00	341300.00	278000.00	15960.00	117800.00	12
13	321900.00	23230.00	355500.00	289600.00	23510.00	116400.00	13
14	330300.00	30340.00	365800.00	284500.00	12400.00	125800.00	14
15	346400.00	23230.00	372300.00	307700.00	19520.00	95550.00	15
16	239300.00	11620.00	250900.00	225100.00	4408.00	83110.00	16
17	313500.00	9688.00	323200.00	288400.00	5744.00	67550.00	17
18	336100.00	11620.00	344500.00	321900.00	7968.00	55550.00	18
19	279300.00	15500.00	301300.00	250900.00	11510.00	114200.00	19
20	282500.00	18720.00	301300.00	248300.00	25290.00	132400.00	20
21	237400.00	12260.00	249600.00	216100.00	408.00	80890.00	21
22	232200.00	12260.00	244500.00	213500.00	-480.00	88000.00	22
23	245800.00	14200.00	260000.00	223800.00	848.00	96450.00	23
24	245800.00	14200.00	249000.00	226400.00	2624.00	101800.00	24
25	254800.00	15500.00	272900.00	234100.00	2184.00	106700.00	25
26	249600.00	17430.00	287100.00	231600.00	12850.00	119100.00	26
27	283200.00	23240.00	309000.00	240600.00	19070.00	125300.00	27
28	272900.00	19360.00	310300.00	239300.00	14180.00	122200.00	28
29	316800.00	20660.00	337400.00	240600.00	19070.00	124400.00	29
30	289600.00	24530.00	319300.00	238000.00	11520.00	135600.00	30
31	290300.00	18720.00	311600.00	253500.00	11960.00	93340.00	31
32	302600.00	28400.00	331000.00	247000.00	-1816.00	94660.00	32
33	270900.00	30340.00	332200.00	240600.00	24400.00	113800.00	33
34	276700.00	14200.00	293500.00	253500.00	7072.00	85780.00	34
35	284500.00	19360.00	310300.00	257400.00	4400.00	92000.00	35
36	271600.00	28400.00	311600.00	219900.00	8848.00	138200.00	36
37	344500.00	42600.00	407100.00	214800.00	17290.00	112900.00	37
38	369700.00	50340.00	422600.00	218700.00	18180.00	148400.00	38
39	30000.00	5000.00	35000.00	271600.00	14630.00	98660.00	39
40	315500.00	41300.00	356800.00	270300.00	13300.00	101800.00	40
41	285100.00	43240.00	346400.00	241900.00	38180.00	126700.00	41
42	245100.00	38720.00	305100.00	190300.00	-40.00	92890.00	42
43	274800.00	27760.00	349000.00	165700.00	-10700.00	135600.00	43
44	334200.00	26460.00	386500.00	226400.00	3960.00	135100.00	44
45	319300.00	28400.00	398100.00	241900.00	1744.00	143600.00	45
46	228300.00	21300.00	293500.00	196700.00	-3152.00	121800.00	46
47	347100.00	49060.00	416200.00	190300.00	3512.00	114200.00	47
48	348400.00	20010.00	392900.00	284500.00	11960.00	92440.00	48

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
49	367700.00	25170.00	392900.00	269000.00	848.00	82220.00	49
50	149000.00	7096.00	187700.00	161900.00	2184.00	72890.00	50
51	146400.00	9032.00	172200.00	127000.00	848.00	77780.00	51
52	29000.00	25000.00	340000.00	250000.00	-6255.00	69780.00	52
53	30830.00	21300.00	62460.00	9534.00	-8926.00	74230.00	53
54	31480.00	28400.00	74060.00	-16280.00	408.00	85340.00	54
55	37290.00	21300.00	75360.00	498.00	408.00	77340.00	55
56	44960.00	27100.00	272900.00	18570.00	-7600.00	83550.00	56
57	40510.00	40020.00	116700.00	498.00	-6704.00	73780.00	57
58	40000.00	17000.00	125000.00		-6257.00	66220.00	58
59	108900.00	36140.00	387800.00	18570.00	4400.00	77780.00	59
60	12760.00	21300.00	37930.00	-18870.00	-2255.00	58670.00	60
61	66330.00	47760.00	114100.00	-8538.00	-4039.00	67560.00	61
62	44390.00	39370.00	130900.00	6952.00	-8479.00	64000.00	62
63	42440.00	39360.00	81810.00	-35650.00	-1816.00	71560.00	63
64	44960.00	32270.00	88270.00	-9829.00	-2712.00	94660.00	64
65	50190.00	32910.00	127000.00	498.00	3960.00	83560.00	65
66	45680.00	32910.00	298700.00	27610.00	-4477.00	60000.00	66
67	238700.00	13550.00	253500.00	212200.00	-2704.00	81330.00	67
68	274100.00	30340.00	325800.00	240600.00	-928.00	85780.00	68
69	328400.00	27110.00	389000.00	278000.00	9288.00	140400.00	69
70	285100.00	17430.00	315500.00	240600.00	3512.00	86660.00	70
71	309000.00	18070.00	342600.00	281900.00	4856.00	88890.00	71
72	316800.00	18070.00	354200.00	287100.00	12850.00	100400.00	72
73	334800.00	25820.00	340600.00	287100.00	8408.00	126200.00	73
74	318000.00	23230.00	350300.00	271600.00	21290.00	110700.00	74
76	304400.00	23230.00	347700.00	274200.00	16850.00	115100.00	76
77	333500.00	33570.00	367100.00	275400.00	-488.00	120900.00	77
78	333500.00	25820.00	399400.00	46970.00	9296.00	85330.00	78

FLIGHT LOADS

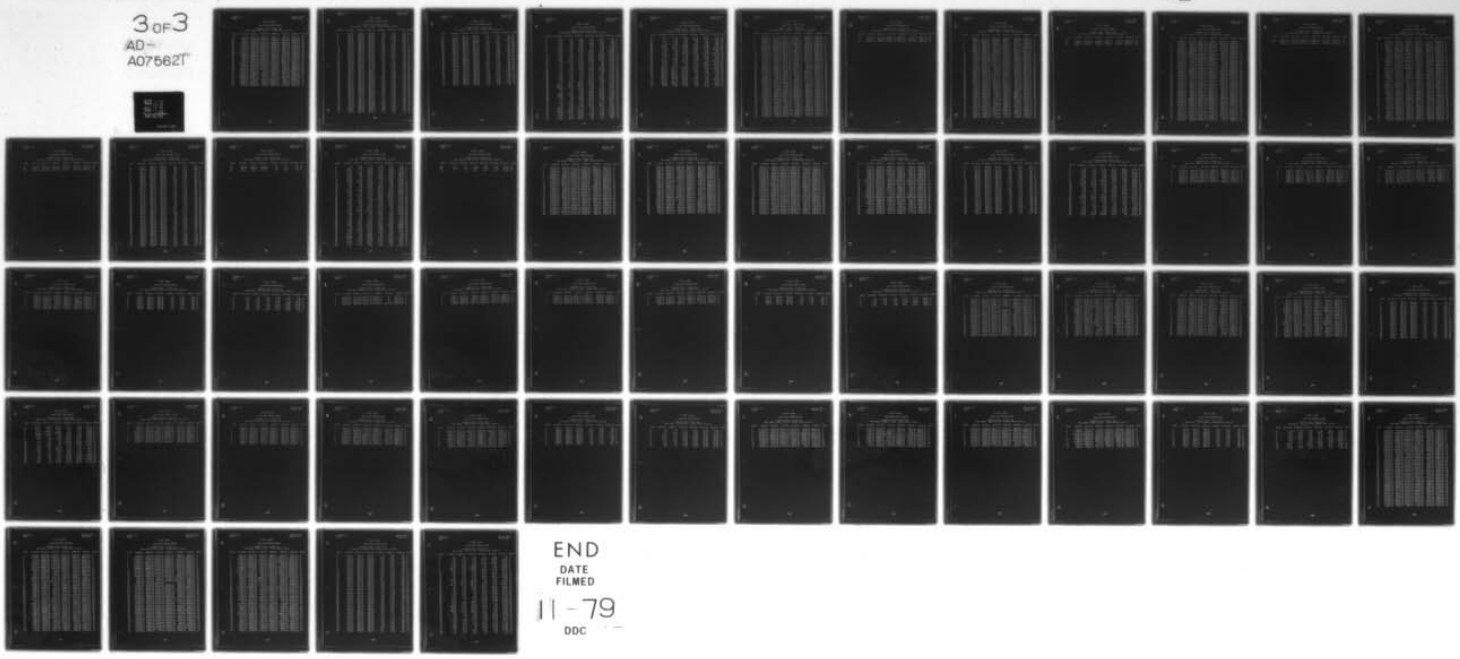
CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-2992.00	98820.00	-7072.00	87300.00	2120.00	88230.00	2
3	2056.00	76950.00	-9322.00	69750.00	7551.00	69220.00	3
4	4580.00	68540.00	-8424.00	66150.00	8454.00	63790.00	4
5	4584.00	58450.00	-9324.00	58050.00	10270.00	53840.00	5
6	-48.00	75700.00	-8872.00	66600.00	6647.00	68310.00	6
7	-2152.00	87050.00	-7080.00	74700.00	3936.00	78270.00	7
8	-1304.00	96300.00	-9776.00	82800.00	4832.00	86420.00	8
9	-2576.00	89980.00	-7976.00	78300.00	3928.00	80090.00	9
10	-2152.00	92090.00	-7976.00	77400.00	4384.00	83250.00	10
11	-2992.00	95460.00	-4376.00	81900.00	2120.00	88230.00	11
12	-4352.00	122400.00	11380.00	108400.00	-592.00	114500.00	12
13	-3840.00	120700.00	14530.00	113400.00	3928.00	111800.00	13
14	-11400.00	125700.00	11380.00	116500.00	-8288.00	116700.00	14
15	-4248.00	99240.00	14970.00	96740.00	-600.00	97270.00	15
16	-4256.00	89150.00	-7520.00	76940.00	3024.00	80990.00	16
17	-464.00	68540.00	-3920.00	65250.00	5745.00	61980.00	17
18	-42.00	53830.00	-317.00	56250.00	7556.00	50220.00	18
19	-13510.00	106800.00	2376.00	103900.00	-6928.00	98180.00	19
20	-13500.00	122800.00	-1224.00	109300.00	-7384.00	100400.00	20
21	-1312.00	87890.00	-12470.00	74700.00	7096.00	79620.00	21
22	-1312.00	93780.00	-12470.00	79190.00	7552.00	84610.00	22
23	-2152.00	101300.00	-11130.00	85940.00	6640.00	90940.00	23
24	-3408.00	106000.00	-8872.00	89990.00	4384.00	94110.00	24
25	-4680.00	111400.00	-7528.00	94040.00	2568.00	98630.00	25
26	-5936.00	116100.00	-8872.00	101700.00	1208.00	103600.00	26
27	-4352.00	120700.00	8680.00	122800.00	4840.00	109900.00	27
28	-16450.00	113100.00	4176.00	117400.00	312.00	107200.00	28
29	-12660.00	120300.00	7776.00	121000.00	-1048.00	114900.00	29
30	-13080.00	123200.00	3272.00	130900.00	-2408.00	114500.00	30
31	-3832.00	99660.00	2824.00	86390.00	3472.00	93200.00	31
32	-2992.00	99660.00	-16070.00	89100.00	2120.00	92740.00	32
33	-7624.00	106800.00	5968.00	98540.00	-6936.00	95460.00	33
34	-3416.00	87460.00	-5272.00	79190.00	6192.00	79630.00	34
35	-2992.00	97980.00	-6176.00	81890.00	760.00	90490.00	35
36	-13930.00	131600.00	576.00	134500.00	-12810.00	116700.00	36
37	-16020.00	111000.00	8224.00	102600.00	-7840.00	100900.00	37
38	-24860.00	151000.00	21730.00	127800.00	-32720.00	128500.00	38
39	-12660.00	99240.00	4176.00	92240.00	-11910.00	92300.00	39
40	-8464.00	100100.00	8224.00	87300.00	4376.00	96820.00	40
41	2472.00	137900.00	14980.00	110200.00	11170.00	114500.00	41
42	-9720.00	97980.00	-8432.00	87740.00	-144.00	91390.00	42
43	-14770.00	140900.00	-21470.00	128700.00	-7832.00	131700.00	43
44	-26120.00	139600.00	-776.00	130500.00	-24580.00	133000.00	44
45	-23180.00	143400.00	-4824.00	131800.00	-19150.00	132100.00	45
46	-16450.00	122400.00	-12920.00	114700.00	-6936.00	111800.00	46
47	-12660.00	118600.00	-1672.00	105300.00	-6480.00	107700.00	47
48	4152.00	91670.00	1472.00	84140.00	11170.00	83700.00	48

AD-A075 621 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-12 NL

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
49	368.00	89570.00	-12930.00	79650.00	6648.00	83700.00	49
50	-472.00	75270.00	-12920.00	66150.00	10720.00	67860.00	50
51	1208.00	81160.00	-15170.00	72000.00	12530.00	75100.00	51
52	3736.00	73590.00	-17420.00	67950.00	15240.00	67860.00	52
53	2472.00	72330.00	-25970.00	73790.00	10270.00	71940.00	53
54	2472.00	77370.00	-17420.00	85940.00	8000.00	76910.00	54
55	-4776.00	74860.00	-21920.00	76950.00	12980.00	73740.00	55
56	-1312.00	84530.00	-24170.00	83700.00	9360.00	82800.00	56
57	1632.00	78210.00	-28220.00	75140.00	8904.00	77820.00	57
58	-10140.00	63080.00	-27320.00	69750.00	5743.00	67410.00	58
59	1208.00	76950.00	-8874.00	72900.00	11620.00	73290.00	59
60	10050.00	55500.00	-19670.00	64800.00	27460.00	61980.00	60
61	7525.00	69800.00	-25520.00	68850.00	26100.00	68760.00	61
62	2474.00	63910.00	-25520.00	73350.00	15700.00	71940.00	62
63	-56.00	72330.00	-20570.00	81000.00	23840.00	74650.00	63
64	-12660.00	87460.00	-23720.00	101200.00	13880.00	80980.00	64
65	-5096.00	87460.00	-13820.00	81440.00	9808.00	79630.00	65
66	5425.00	57610.00	-20120.00	63450.00	15700.00	61980.00	66
67	-3416.00	84100.00	-14720.00	76050.00	5736.00	75560.00	67
68	-3408.00	92510.00	-11570.00	80100.00	3928.00	83700.00	68
69	-21080.00	147200.00	576.00	132700.00	-17340.00	133900.00	69
70	-6360.00	88730.00	-8424.00	79640.00	5288.00	80540.00	70
71	-4672.00	93780.00	-7528.00	81450.00	2120.00	85510.00	71
72	-4256.00	101800.00	3720.00	89100.00	2120.00	91850.00	72
73	-18550.00	127800.00	-1672.00	116100.00	-12820.00	120400.00	73
74	-4672.00	113100.00	10020.00	101700.00	4384.00	102300.00	74
76	-2992.00	114000.00	8232.00	108000.00	7096.00	101400.00	76
77	-17300.00	124000.00	1472.00	113800.00	-11000.00	119400.00	77
78	2472.00	85780.00	-4832.00	80540.00	9360.00	78270.00	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.80	264.40	1.02	1.12	.98	2
3	265.40	265.60	264.90	.97	1.00	.95	3
4	264.80	265.30	264.60	.99	1.02	.98	4
5	264.80	265.30	264.60	1.01	1.02	1.00	5
6	265.30	265.40	264.60	1.00	1.02	.99	6
7	264.80	265.30	264.40	1.02	1.04	.97	7
8	264.80	265.80	264.60	1.01	1.06	.98	8
9	264.60	265.40	263.70	.98	1.02	.91	9
10	264.70	265.10	264.40	1.01	1.01	.97	10
11	264.40	265.30	264.30	.95	1.03	.94	11
12	264.70	265.30	264.40	1.02	1.07	.99	12
13	264.80	265.30	264.10	1.01	1.06	.92	13
14	264.60	265.60	263.90	1.04	1.09	.83	14
15	264.80	265.30	264.10	.97	1.08	.93	15
16	250.30	250.30	249.30	1.02	1.03	.99	16
17	248.70	249.10	248.60	1.00	1.04	.99	17
18	249.30	249.50	248.80	.99	1.01	.97	18
19	249.60	250.20	248.20	.98	1.06	.93	19
20	248.90	249.50	247.70	.97	1.06	.93	20
21	264.80	265.30	264.40	.99	1.02	.98	21
22	264.80	265.10	264.40	1.01	1.02	.99	22
23	264.90	265.80	264.60	1.02	1.04	1.00	23
24	265.30	265.60	264.40	.98	1.02	.92	24
25	265.40	265.80	264.60	.97	1.02	.95	25
26	265.30	266.00	264.40	.97	1.01	.91	26
27	264.70	266.00	263.30	1.16	1.23	1.00	27
28	264.70	266.20	263.70	1.14	1.24	.94	28
29	264.50	266.00	263.30	1.08	1.21	1.00	29
30	266.10	266.80	263.50	1.02	1.27	.94	30
31	264.80	265.40	264.30	1.05	1.06	.98	31
32	264.80	266.00	264.30	.96	1.08	.88	32
33	264.10	265.40	263.10	1.00	1.05	.92	33
34	264.90	265.60	264.10	1.00	1.02	.92	34
35	264.40	265.60	264.10	.93	1.04	.90	35
36	265.80	268.60	264.10	1.06	1.31	.72	36
37	268.30	271.40	262.40	1.27	1.36	.90	37
38	267.20	271.10	263.70	1.18	1.44	.87	38
39	264.60	265.40	264.30	1.02	1.06	.94	39
40	265.30	265.80	264.40	.97	1.03	.92	40
41	263.70	266.00	263.10	.95	1.02	.84	41
42	265.00	267.00	263.10	1.09	1.25	.96	42
43	266.60	268.20	261.80	1.31	1.39	.98	43
44	264.00	266.40	262.90	1.20	1.46	.97	44
45	264.50	266.80	262.90	1.09	1.42	.94	45
46	266.50	269.40	262.40	1.00	1.37	.76	46
47	265.10	271.80	262.60	1.18	1.50	.87	47
48	264.70	265.40	264.10	1.17	1.24	1.03	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
49	264.70	265.60	264.30	1.02	1.19	.97	49
50	264.80	265.60	263.70	.96	1.01	.93	50
51	265.50	266.20	264.10	1.10	1.13	1.02	51
52	264.80	265.60	263.50	1.09	1.11	.97	52
53	275.40	283.80	271.90	1.02	1.07	.93	53
54	280.60	286.10	277.10	1.15	1.44	.91	54
55	269.00	280.90	257.10	1.07	1.34	.95	55
56	258.40	278.60	251.40	1.29	1.53	1.01	56
57	280.60	284.10	274.60	1.43	1.69	.95	57
58	262.00	281.40	253.70	1.47	1.55	.88	58
59	260.40	276.70	252.80	1.16	1.35	.92	59
60	275.30	277.10	272.60	.98	1.02	.92	60
61	271.60	294.40	270.60	.97	1.38	.93	61
62	265.00	282.50	256.60	.91	1.64	.79	62
63	282.80	288.60	260.70	1.14	1.44	.65	63
64	280.80	286.90	269.60	1.56	1.74	.94	64
65	287.10	298.30	257.90	1.74	1.93	.96	65
66	265.80	279.30	253.00	1.21	1.50	.90	66
67	264.80	265.10	264.40	1.03	1.11	.98	67
68	264.30	264.60	263.90	1.17	1.19	1.12	68
69	265.40	267.20	263.90	1.53	1.60	1.33	69
70	264.80	265.40	263.70	1.12	1.17	1.08	70
71	263.90	265.10	263.30	1.10	1.17	1.05	71
72	264.30	264.60	264.10	1.22	1.23	1.15	72
73	264.80	266.20	264.30	1.25	1.34	1.19	73
74	264.70	265.60	264.10	.99	1.19	.94	74
76	264.80	265.40	264.40	1.14	1.20	1.11	76
77	264.90	266.00	264.10	1.25	1.36	1.13	77
78	264.30	269.60	259.80	1.00	1.13	.95	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.40	1.40	-3.34	-6.35	4.66	-7.50	2
3	-.07	.25	-.89	.80	2.34	.12	3
4	-.15	.09	-.56	3.29	3.71	1.66	4
5	-.07	.58	-.89	3.29	3.63	2.43	5
6	-.07	.09	-1.05	.89	1.92	.55	6
7	-.07	.09	-.40	-.27	.80	-.65	7
8	-.15	.42	-1.22	-.40	1.32	-1.68	8
9	-1.13	-.24	-1.71	-2.45	-.31	-2.88	9
10	-.07	.58	-.40	-1.68	-.57	-2.71	10
11	-.07	.42	-.56	-4.29	-1.77	-4.68	11
12	-1.38	-.24	-1.54	-3.52	-2.28	-4.08	12
13	.83	1.72	-.73	-3.22	-1.34	-5.79	13
14	-1.13	1.07	-1.87	-3.35	-2.19	-7.25	14
15	1.32	2.21	-1.22	-2.32	.12	-3.39	15
16	.34	1.07	-.07	-1.00	.20	-1.34	16
17	.09	.42	-.89	-.87	.29	-1.42	17
18	-.07	.09	-1.05	1.15	3.20	-.48	18
19	.01	1.56	-.73	-2.58	-1.68	-4.25	19
20	-.15	1.72	-1.38	-5.45	-2.62	-6.22	20
21	.66	1.72	-.40	-.52	.29	-1.00	21
22	.74	1.40	.09	-1.64	-.74	-2.19	22
23	-.07	.58	-.73	-1.94	-1.42	-2.71	23
24	-.07	.91	-.40	-3.52	-1.94	-4.25	24
25	1.40	2.54	1.07	-4.12	-3.31	-4.68	25
26	.83	1.56	.25	-5.70	-4.08	-6.13	26
27	-.07	5.97	-29.96	-2.28	1.92	-4.93	27
28	11.93	30.47	-3.18	-2.41	3.46	-2.97	28
29	-22.62	6.95	-34.70	-1.72	1.74	-6.73	29
30	20.42	36.35	-6.44	3.29	4.91	-2.97	30
31	-.89	.74	-2.69	-1.51	-1.08	-2.71	31
32	.09	.42	-.89	-4.34	-1.42	-4.85	32
33	.01	1.56	-.73	-2.58	-1.94	-3.39	33
34	6.62	7.11	3.19	-3.39	-2.02	-3.82	34
35	-5.55	-4.65	-7.59	-3.86	-2.54	-4.25	35
36	-1.46	.25	-2.20	-6.90	2.26	-12.04	36
37	.09	.74	-.89	-1.94	-1.34	-2.71	37
38	.42	1.07	-.40	-1.08	.37	-2.79	38
39	-.07	1.40	-.56	-2.11	-1.77	-3.22	39
40	.01	1.23	-1.22	-5.40	-2.97	-6.30	40
41	.99	2.05	-.89	-5.02	-3.73	-5.28	41
42	-20.57	-.24	-31.11	2.69	4.48	-2.79	42
43	9.97	34.39	-1.71	.12	3.11	-3.82	43
44	-19.35	-1.54	-47.93	1.53	2.60	-2.02	44
45	15.04	44.03	-2.52	1.32	4.48	-2.19	45
46	-1.05	1.07	-1.87	-10.63	10.82	-14.95	46
47	-.24	1.56	-2.03	.07	.97	-2.54	47
48	-16.24	-2.69	-31.27	4.36	14.07	2.43	48

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CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
49	5.48	31.94	-3.01	8.42	10.22	.03	49
50	-.07	.25	-.73	-2.15	-1.00	-2.62	50
51	-.07	2.05	-.24	.55	1.15	-.74	51
52	.42	.58	.09	.63	.89	-.05	52
53	-1.71	-1.54	-2.69	5.64	6.03	2.86	53
54	-11.10	-6.61	-44.50	3.50	6.28	.89	54
55	18.87	40.11	3.52	2.22	10.48	-24.54	55
56	.25	5.81	-2.52	-3.86	14.25	-17.61	56
57	-.24	.58	-1.22	6.41	7.48	4.83	57
58	-17.14	1.56	-51.53	-8.40	2.94	-18.72	58
59	3.52	4.34	-4.48	-3.35	18.36	-19.41	59
60	-.07	.91	-.24	4.78	5.17	4.23	60
61	17.40	34.55	4.99	4.23	7.82	2.60	61
62	-11.51	-6.93	-46.95	-7.55	.55	-13.07	62
63	2.05	3.03	-1.05	5.17	10.56	-3.39	63
64	8.91	9.73	1.23	1.66	3.80	-1.68	64
65	17.97	47.95	.42	6.54	13.13	-15.04	65
66	-11.42	-1.71	-14.45	20.67	22.46	1.23	66
67	-16.33	-15.10	-17.55	-2.41	1.06	-2.97	67
68	-25.64	-25.07	-27.68	2.47	3.11	2.00	68
69	-46.54	-42.21	-49.73	-2.54	4.23	-7.16	69
70	-21.23	-19.68	-21.80	.63	1.74	-.40	70
71	-26.54	-25.72	-27.35	.12	1.74	-.57	71
72	-37.07	-36.01	-38.13	2.64	4.31	1.23	72
73	-40.83	-40.58	-43.69	-3.52	.63	-4.68	73
74	-14.04	-12.65	-15.75	-1.00	1.40	-2.45	74
76	-29.31	-28.00	-30.29	5.56	6.45	4.66	76
77	-43.28	-39.60	-43.69	1.32	5.43	-3.56	77
78	2.79	6.95	-8.73	9.19	12.28	-.74	78

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	61200SDY	61200ALT	61200MAX	61200MIN	41160SDY	41160ALT	EVENT
1	178200.00	11700.00	199000.00	158700.00	-1684.00	40230.00	1
2	278900.00	21450.00	343200.00	178200.00	-3025.00	39780.00	2
3	293900.00	15590.00	313400.00	260100.00	-1684.00	42020.00	3
4	272400.00	14940.00	327600.00	210700.00	552.00	41570.00	4
5	274400.00	26000.00	322400.00	228900.00	-1636.00	80460.00	5
6	230200.00	41590.00	339400.00	61220.00	4568.00	92980.00	6
7	243300.00	27940.00	318600.00	163900.00	-3032.00	85380.00	7
8	252300.00	33790.00	286100.00	44320.00	-792.00	90300.00	8
9	282200.00	22100.00	318600.00	208100.00	-3480.00	84940.00	9
10	210700.00	14300.00	232800.00	165200.00	-7952.00	88510.00	10
11	208100.00	10400.00	223700.00	191200.00	-5720.00	83590.00	11
12	159300.00	11050.00	184700.00	145700.00	-5712.00	81810.00	12
13	141900.00	12350.00	183400.00	118400.00	-5712.00	86270.00	13
14	174300.00	10400.00	202900.00	163900.00	-4376.00	84040.00	14
15	182700.00	12350.00	201600.00	144400.00	-4368.00	85820.00	15
16	199600.00	11050.00	213300.00	183400.00	-3480.00	84040.00	16
17	230200.00	11700.00	253600.00	217200.00	544.00	82700.00	17
18	247700.00	18840.00	297800.00	212000.00	2336.00	88060.00	18
19	292600.00	18190.00	318600.00	262700.00	3224.00	85380.00	19
20	245900.00	18850.00	312100.00	160000.00	544.00	82700.00	20
21	236700.00	17540.00	297800.00	208100.00	-4816.00	94320.00	21
22	271100.00	13650.00	293900.00	244500.00	-2584.00	84940.00	22
23	106000.00	7152.00	113200.00	82000.00	-4816.00	78220.00	23
24	87860.00	8448.00	102800.00	30020.00	-4816.00	73760.00	24
25	204800.00	14940.00	241900.00	49520.00	-6160.00	90300.00	25
26	243800.00	16250.00	282200.00	195100.00	-1688.00	96550.00	26
27	235400.00	18190.00	273100.00	199000.00	96.00	89410.00	27
28	152200.00	10400.00	183400.00	140500.00	-3480.00	81350.00	28
29	154800.00	13000.00	167800.00	124900.00	5022.00	52300.00	29
30	145200.00	10400.00	187300.00	148300.00	5916.00	48730.00	30
31	174900.00	8448.00	191200.00	165200.00	5469.00	47380.00	31
32	197000.00	9752.00	209400.00	167800.00	8598.00	53200.00	32
33	211300.00	11040.00	228900.00	192500.00	7257.00	55430.00	33
34	236700.00	16900.00	262700.00	199000.00	9043.00	65260.00	34
35	240700.00	16250.00	290000.00	204200.00	7255.00	67050.00	35
36	293900.00	19500.00	325100.00	270500.00	11720.00	69730.00	36
37	304300.00	18190.00	325100.00	176900.00	9933.00	67940.00	37
38	235400.00	20800.00	280900.00	199000.00	8593.00	63020.00	38
39	100800.00	12350.00	127500.00	87200.00	9492.00	52300.00	39
40	48220.00	9098.00	66400.00	27420.00	7258.00	42910.00	40
41	155400.00	14940.00	287400.00	41720.00	5449.00	57220.00	41
42	210700.00	33790.00	280900.00	40420.00	-3032.00	86280.00	42
43	200300.00	35100.00	292600.00	49520.00	-792.00	83140.00	43
44	271800.00	15590.00	300400.00	126200.00	-9283.00	40680.00	44
45	304900.00	13650.00	327600.00	204200.00	-1236.00	36210.00	45
46	246400.00	14950.00	290000.00	162600.00	-789.00	37550.00	46
47	221700.00	12350.00	243200.00	209400.00	7257.00	57220.00	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
48	265300.00	15600.00	282200.00	244500.00	7701.00	65710.00	48
49	317900.00	22740.00	348400.00	295200.00	10830.00	74200.00	49
50	347800.00	42250.00	405600.00	252300.00	11720.00	76880.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	-5295.00	41400.00	-5500.00	46320.00	-9096.00	48900.00	1
2	4990.00	39130.00	-2353.00	48570.00	5002.00	48900.00	2
3	7445.00	38680.00	-4152.00	50370.00	5443.00	48460.00	3
4	1530.00	40950.00	-1453.00	51270.00	5883.00	51550.00	4
5	7440.00	76900.00	-8656.00	93550.00	6760.00	90310.00	5
6	15180.00	90090.00	1240.00	106100.00	11600.00	102200.00	6
7	10620.00	82810.00	-10900.00	100300.00	6760.00	100000.00	7
8	12900.00	88720.00	-3712.00	103900.00	8080.00	103100.00	8
9	7432.00	80540.00	-4608.00	100300.00	6752.00	95600.00	9
10	9712.00	86450.00	-14050.00	103400.00	4552.00	105700.00	10
11	9712.00	79170.00	-11350.00	97140.00	4552.00	95160.00	11
12	8344.00	80540.00	-12700.00	94000.00	1032.00	96920.00	12
13	11080.00	86900.00	-15400.00	100300.00	5880.00	103500.00	13
14	9712.00	81900.00	-12700.00	97600.00	2352.00	96480.00	14
15	10170.00	85990.00	-14500.00	100300.00	2792.00	102200.00	15
16	9712.00	80990.00	-10460.00	98040.00	1912.00	96040.00	16
17	6976.00	80080.00	-7760.00	95340.00	5432.00	92520.00	17
18	5616.00	86000.00	-3264.00	103400.00	2792.00	99560.00	18
19	3344.00	87360.00	-560.00	100700.00	-1176.00	102600.00	19
20	4984.00	81900.00	1688.00	96700.00	4552.00	96040.00	20
21	12450.00	87360.00	-12260.00	111500.00	3672.00	105700.00	21
22	9256.00	81450.00	-10000.00	99390.00	4992.00	96480.00	22
23	12900.00	77800.00	-14060.00	89940.00	3232.00	93840.00	23
24	11080.00	75070.00	-19000.00	87700.00	1912.00	92520.00	24
25	8808.00	91000.00	-17660.00	106100.00	1472.00	108800.00	25
26	12440.00	90090.00	-9104.00	114700.00	5872.00	107100.00	26
27	9712.00	84620.00	-8656.00	105200.00	3672.00	99560.00	27
28	11990.00	79620.00	-12260.00	94450.00	3672.00	96040.00	28
29	5170.00	54600.00	-1903.00	62510.00	-284.50	63880.00	29
30	4990.00	47320.00	-3252.00	57570.00	596.50	55070.00	30
31	6535.00	48680.00	-1903.00	57120.00	2359.00	58590.00	31
32	4715.00	55050.00	2595.00	62510.00	-289.00	65650.00	32
33	4715.00	56870.00	1690.00	65210.00	-2056.00	68280.00	33
34	2432.00	68260.00	4392.00	76900.00	-2936.00	81500.00	34
35	4260.00	66430.00	1688.00	79610.00	-2496.00	80180.00	35
36	3800.00	73260.00	8440.00	84550.00	-2936.00	89430.00	36
37	4704.00	70530.00	6632.00	83660.00	-2496.00	84590.00	37
38	4713.00	64150.00	2136.00	75560.00	1032.00	78420.00	38
39	8810.00	53690.00	-1453.00	62060.00	-285.00	61240.00	39
40	7900.00	42770.00	-3702.00	53520.00	2800.00	51100.00	40
41	8810.00	55510.00	-1912.00	68810.00	1918.00	65200.00	41
42	10620.00	85540.00	-18100.00	101200.00	-296.00	98250.00	42
43	10620.00	80990.00	-12260.00	98050.00	1032.00	96040.00	43
44	1530.00	47320.00	-14500.00	48120.00	-8655.00	56390.00	44
45	11990.00	36850.00	-9098.00	44520.00	3681.00	44060.00	45
46	8355.00	38680.00	-11800.00	46320.00	156.00	49340.00	46
47	8351.00	58690.00	-1008.00	69710.00	2792.00	70490.00	47

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
48	4078.00	70070.00	-112.00	81410.00	1472.00	83260.00	48
49	8352.00	76900.00	5288.00	89500.00	1464.00	89430.00	49
50	9712.00	79170.00	2584.00	93100.00	6752.00	92960.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	207700.00	13470.00	227600.00	193000.00	-2623.00	29230.00	1
2	315500.00	21160.00	344300.00	294500.00	-2181.00	32330.00	2
3	319300.00	8336.00	345600.00	289200.00	-6609.00	36760.00	3
4	302000.00	11540.00	328900.00	279900.00	919.50	38090.00	4
5	341600.00	14750.00	394400.00	327700.00	-1738.00	56690.00	5
6	386000.00	33990.00	457200.00	214800.00	-3960.00	70410.00	6
7	327000.00	27570.00	417400.00	249400.00	464.00	82820.00	7
8	282100.00	44250.00	446900.00	137800.00	2680.00	95660.00	8
9	370000.00	12820.00	389200.00	343100.00	-1295.00	59790.00	9
10	311000.00	16670.00	340500.00	280200.00	912.00	83260.00	10
11	302000.00	11540.00	326400.00	290500.00	-416.00	75730.00	11
12	271900.00	13470.00	287900.00	253300.00	1800.00	73510.00	12
13	241100.00	14750.00	276400.00	219900.00	24.00	78820.00	13
14	244200.00	12180.00	276400.00	243000.00	1352.00	79270.00	14
15	258400.00	14100.00	285300.00	237900.00	464.00	85470.00	15
16	244100.00	11540.00	277600.00	244300.00	1360.00	81040.00	16
17	301400.00	13460.00	314800.00	284100.00	3120.00	78380.00	17
18	303900.00	18590.00	358400.00	273800.00	12860.00	97870.00	18
19	347500.00	18600.00	372600.00	326400.00	11100.00	87240.00	19
20	271200.00	33340.00	347400.00	222500.00	6232.00	83260.00	20
21	328300.00	21160.00	362300.00	277600.00	11980.00	127100.00	21
22	323800.00	16670.00	350800.00	284100.00	3120.00	88130.00	22
23	201300.00	10900.00	212200.00	172500.00	-3520.00	71740.00	23
24	124400.00	10900.00	182700.00	113500.00	-8392.00	73960.00	24
25	239200.00	21810.00	357200.00	145500.00	2240.00	93440.00	25
26	308400.00	17960.00	336600.00	261000.00	14640.00	116500.00	26
27	303900.00	18590.00	331500.00	270000.00	8440.00	105800.00	27
28	260300.00	13460.00	281500.00	246900.00	6676.00	70410.00	28
29	241600.00	14750.00	284100.00	239200.00	2248.00	33210.00	29
30	260300.00	9616.00	281500.00	245600.00	1363.00	27010.00	30
31	260300.00	8336.00	275100.00	252000.00	4020.00	32330.00	31
32	263500.00	8976.00	276400.00	250700.00	4020.00	39410.00	32
33	278300.00	8336.00	286600.00	262300.00	4906.00	42960.00	33
34	320600.00	31420.00	352000.00	263500.00	6234.00	54030.00	34
35	323800.00	28220.00	352000.00	281500.00	4906.00	59790.00	35
36	342400.00	19880.00	372600.00	321200.00	9776.00	64660.00	36
37	346300.00	16030.00	346100.00	237900.00	8886.00	61990.00	37
38	298800.00	23720.00	341800.00	268700.00	5348.00	57570.00	38
39	209700.00	12820.00	223800.00	187900.00	4463.00	31000.00	39
40	154400.00	31420.00	187900.00	125000.00	5348.00	30110.00	40
41	197500.00	21170.00	377700.00	145500.00	6234.00	43400.00	41
42	385400.00	26940.00	425100.00	166100.00	-1304.00	95210.00	42
43	380300.00	24370.00	430300.00	207100.00	5784.00	90790.00	43
44	296600.00	28220.00	309700.00	140400.00	4020.00	26130.00	44
45	302700.00	10900.00	327700.00	221200.00	2248.00	30560.00	45
46	249400.00	12820.00	287900.00	175000.00	34.00	33660.00	46
47	298500.00	13470.00	352000.00	214800.00	8448.00	65980.00	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
48	277000.00	18600.00	296900.00	254600.00	11540.00	69080.00	48
49	332200.00	25010.00	357200.00	302000.00	10650.00	80600.00	49
50	329600.00	41690.00	402000.00	255800.00	8840.00	92110.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	-1990.00	28940.00	-4939.00	26480.00	43.00	25260.00	1
2	-2435.00	32950.00	-5837.00	32770.00	-2213.00	32030.00	2
3	-1544.00	40070.00	-9877.00	36810.00	-4017.00	40150.00	3
4	-8669.00	37400.00	-10330.00	38150.00	-3566.00	38790.00	4
5	5581.00	55210.00	-8081.00	56560.00	2299.00	55480.00	5
6	2896.00	70350.00	-12580.00	69130.00	5000.00	67210.00	6
7	1120.00	83710.00	-8984.00	79000.00	4992.00	77140.00	7
8	9576.00	98410.00	-7192.00	91580.00	10410.00	91580.00	8
9	4690.00	58780.00	-11230.00	59700.00	5006.00	59090.00	9
10	680.00	85050.00	-6744.00	80340.00	7256.00	77590.00	10
11	-216.00	76140.00	-10780.00	72720.00	4549.00	67660.00	11
12	-2440.00	74810.00	-3600.00	75410.00	4096.00	66300.00	12
13	-3328.00	81040.00	-9435.00	73170.00	5000.00	71720.00	13
14	-1104.00	84160.00	-10780.00	73620.00	6352.00	74880.00	14
15	-2440.00	91720.00	-11230.00	79460.00	5896.00	82550.00	15
16	-2000.00	85940.00	-8984.00	75420.00	7704.00	75340.00	16
17	-2000.00	83260.00	-8987.00	72730.00	3640.00	75780.00	17
18	-10900.00	100200.00	3136.00	89330.00	-4024.00	93380.00	18
19	-6000.00	89060.00	3136.00	80350.00	488.00	82550.00	19
20	-2440.00	89050.00	-7640.00	77660.00	6352.00	83010.00	20
21	-17140.00	118000.00	4928.00	118000.00	-8984.00	111000.00	21
22	-2888.00	94840.00	-6736.00	81250.00	3640.00	87510.00	22
23	2008.00	74810.00	-13020.00	65990.00	12670.00	66760.00	23
24	-1992.00	77030.00	-20200.00	74970.00	6808.00	73530.00	24
25	-5112.00	99740.00	-10340.00	88430.00	936.00	90220.00	25
26	-20260.00	112200.00	1344.00	114500.00	-11250.00	105100.00	26
27	-12680.00	108200.00	-904.00	103200.00	-4024.00	101500.00	27
28	-2888.00	73460.00	-7190.00	67340.00	6353.00	65860.00	28
29	-3771.00	33400.00	-4042.00	30970.00	3201.00	30220.00	29
30	-4661.00	28050.00	-5388.00	26930.00	4555.00	26160.00	30
31	-4216.00	30280.00	-4490.00	33220.00	7261.00	31580.00	31
32	-1544.00	36510.00	-6734.00	39950.00	6358.00	37890.00	32
33	682.00	41410.00	1167.00	55660.00	8614.00	42850.00	33
34	-4216.00	56990.00	-5388.00	55660.00	4554.00	56840.00	34
35	-71460.00	120700.00	-2695.00	59250.00	4103.00	60000.00	35
36	-216.00	68120.00	-3144.00	60600.00	3649.00	63150.00	36
37	1573.00	61890.00	-3144.00	58800.00	3201.00	60000.00	37
38	2464.00	55660.00	-5837.00	58800.00	10410.00	57280.00	38
39	-1989.00	33400.00	-5388.00	30520.00	7261.00	30670.00	39
40	-3770.00	29830.00	-8081.00	33220.00	8614.00	29320.00	40
41	7361.00	46310.00	-4490.00	43090.00	5907.00	38340.00	41
42	2904.00	97960.00	-15270.00	95160.00	10860.00	92020.00	42
43	11360.00	93950.00	-8984.00	87980.00	18530.00	87970.00	43
44	-5552.00	26270.00	-5837.00	29180.00	2299.00	26610.00	44
45	-5997.00	30280.00	-9877.00	28730.00	2299.00	29320.00	45
46	-6887.00	34730.00	-9877.00	33220.00	3652.00	34280.00	46
47	-216.00	68120.00	-7637.00	60600.00	11770.00	60440.00	47

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
48	-664.00	69460.00	-3600.00	61950.00	7711.00	60900.00	48
49	-3336.00	77480.00	-2696.00	70020.00	2743.00	67660.00	49
50	-4672.00	88610.00	-5840.00	82140.00	2736.00	79390.00	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.90	265.80	264.60	.99	1.03	.96	1
2	264.60	265.60	263.50	.96	1.07	.90	2
3	264.70	266.00	264.30	.99	1.01	.94	3
4	264.60	265.40	263.30	.99	1.03	.97	4
5	265.70	266.20	264.60	.99	1.04	.97	5
6	263.90	267.40	262.90	1.00	1.07	.94	6
7	265.30	266.60	264.60	1.04	1.08	.95	7
8	264.50	269.80	263.30	.96	1.16	.91	8
9	265.60	266.60	264.40	1.05	1.07	.98	9
10	265.10	265.80	264.40	1.05	1.13	.95	10
11	265.30	265.40	264.60	.99	1.01	.95	11
12	265.30	265.60	264.60	.99	1.04	.96	12
13	266.40	266.80	263.70	1.02	1.07	.94	13
14	265.10	265.60	264.40	.97	1.01	.93	14
15	264.70	266.20	264.10	1.04	1.12	.96	15
16	264.80	265.60	264.40	.96	1.02	.93	16
17	264.80	265.40	264.40	.98	1.02	.96	17
18	264.80	266.00	264.10	1.01	1.08	.90	18
19	264.80	266.00	264.60	.97	1.05	.93	19
20	266.60	266.80	264.40	1.02	1.06	.94	20
21	264.70	265.80	263.70	1.13	1.17	.95	21
22	265.50	266.00	264.40	.86	1.08	.80	22
23	266.30	266.40	266.00	.96	.99	.96	23
24	266.50	267.80	265.60	.93	1.04	.88	24
25	263.20	265.30	261.60	1.07	1.17	.90	25
26	264.60	266.40	263.70	1.00	1.19	.87	26
27	264.80	266.20	263.70	1.10	1.17	.95	27
28	265.60	266.00	264.60	1.02	1.07	.96	28
29	264.80	265.40	264.40	.98	1.04	.97	29
30	264.80	265.60	264.60	.97	1.01	.95	30
31	264.70	265.30	264.40	.98	1.01	.97	31
32	265.40	266.00	264.60	.95	1.06	.94	32
33	264.80	265.40	264.60	.99	1.02	.98	33
34	264.90	265.80	264.40	1.05	1.11	.90	34
35	265.20	266.40	264.10	.98	1.21	.93	35
36	264.80	265.40	264.60	1.00	1.05	.92	36
37	266.40	266.60	264.90	1.02	1.06	.94	37
38	264.80	266.20	264.10	1.03	1.14	.91	38
39	265.20	265.80	264.60	.98	1.04	.94	39
40	264.90	265.80	263.30	.96	1.03	.93	40
41	263.60	265.10	261.30	1.15	1.22	.99	41
42	265.40	267.20	263.30	1.01	1.13	.93	42
43	266.70	267.90	263.30	.98	1.06	.90	43
44	267.50	271.80	264.60	1.16	1.31	.73	44
45	264.10	265.40	263.10	1.02	1.05	.95	45
46	266.30	267.00	264.30	.99	1.09	.95	46
47	265.00	265.40	264.90	1.03	1.09	.94	47

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
48	264.80	265.30	264.60	1.02	1.07	.97	48
49	265.20	265.40	264.90	.98	1.04	.93	49
50	265.00	266.20	263.70	.95	1.23	.69	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	.42	1.40	-.72	4.99	5.38	3.81	1
2	-1.37	-.39	-3.16	6.72	7.55	5.03	2
3	-2.34	-2.02	-3.48	4.42	5.20	3.56	3
4	-4.22	.91	-5.27	5.07	6.59	3.99	4
5	-1.12	2.86	-2.99	-2.86	2.60	-3.65	5
6	-.96	1.89	-4.14	4.42	12.32	-3.65	6
7	-2.59	.75	-3.32	-4.30	3.30	-6.16	7
8	-.96	.42	-4.46	8.98	13.97	5.46	8
9	-1.45	1.56	-3.16	-.74	2.34	-3.30	9
10	5.63	12.14	-1.53	.56	3.73	-3.56	10
11	-.96	.59	-2.02	-1.04	-.52	-2.95	11
12	-.80	.42	-2.02	-1.09	.95	-2.00	12
13	.34	1.89	-1.20	-3.26	-.18	-3.73	13
14	-.06	.42	-1.20	-3.47	-2.08	-5.03	14
15	-1.04	15.89	-5.76	-2.26	2.51	-3.04	15
16	-.39	.59	-1.20	-5.12	-4.43	-5.99	16
17	1.07	1.73	-.55	-3.52	-3.30	-5.21	17
18	-.15	2.86	-1.69	-6.29	-4.08	-7.46	18
19	.50	3.03	-1.37	-6.81	-4.17	-7.11	19
20	.42	1.56	-1.20	-3.30	-2.26	-6.33	20
21	8.89	16.70	.59	-3.69	-1.39	-7.64	21
22	-2.43	9.05	-8.04	4.60	7.20	2.17	22
23	-.39	.26	-.88	-1.78	-1.04	-2.34	23
24	-.80	-.39	-2.34	-2.43	-.78	-3.21	24
25	-.88	-.23	-1.86	-3.47	.52	-6.07	25
26	1.40	9.05	-18.14	-.78	3.12	-8.68	26
27	1.64	22.89	-6.41	-2.65	.61	-6.16	27
28	-.23	.10	-.88	-2.73	-.61	-3.39	28
29	-.39	.42	-.55	3.95	4.68	3.56	29
30	-.23	.42	-.39	1.95	3.38	1.47	30
31	.10	.59	-.72	2.04	2.17	1.47	31
32	-.31	-.06	-2.18	2.30	2.60	-.35	32
33	1.48	2.21	-.06	-.17	.52	-.52	33
34	-.15	3.19	-1.04	-4.51	-1.04	-4.95	34
35	-3.73	2.70	-17.16	4.21	8.41	-3.39	35
36	.75	1.40	-1.53	-4.86	-3.04	-5.81	36
37	.99	3.19	-2.67	-.52	.52	-5.55	37
38	3.44	21.26	-4.79	5.25	5.81	-4.43	38
39	-.39	-.23	-1.04	2.08	3.38	1.56	39
40	-.80	.42	-2.34	7.50	8.07	3.56	40
41	-1.12	1.07	-1.86	.48	2.69	-.70	41
42	-1.86	.75	-3.97	6.42	7.37	.09	42
43	-2.99	-.39	-6.25	-.83	10.32	-6.51	43
44	1.73	4.82	-.39	5.16	5.90	3.03	44
45	-1.86	-1.04	-6.09	4.34	5.64	3.47	45
46	-1.77	-1.04	-2.51	4.90	5.90	4.60	46
47	.02	.10	-.06	-.00	.78	-1.82	47

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
48	.02	.10	-.06	-.83	-.09	-1.82	48
49	-.06	.10	-.23	-.96	-.09	-1.91	49
50	.02	.10	-.06	-1.00	-.09	-2.08	50

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41200SDY	41200ALT	41200MAX	41200MIN	41160SDY	41160ALT	EVENT
2	228200.00	9800.00	251000.00	198800.00	-5800.00	76340.00	2
3	154300.00	5880.00	166100.00	141300.00	-5792.00	73680.00	3
4	166800.00	7184.00	180500.00	153000.00	-3584.00	74130.00	4
5	197500.00	7832.00	206600.00	189600.00	-1360.00	70130.00	5
6	220300.00	9800.00	235300.00	197500.00	2192.00	70130.00	6
7	273900.00	13720.00	287600.00	244500.00	4408.00	72340.00	7
8	298100.00	16980.00	319000.00	269300.00	7518.00	72790.00	8
9	219700.00	15670.00	295500.00	204000.00	-1360.00	85220.00	9
10	262800.00	20900.00	317700.00	217100.00	856.00	77670.00	10
11	241200.00	18940.00	278500.00	168700.00	856.00	83000.00	11
12	268700.00	18940.00	311100.00	188300.00	4856.00	81670.00	12
13	134100.00	7840.00	157000.00	128200.00	-5352.00	75900.00	13
14	175900.00	8496.00	187000.00	167400.00	-2688.00	78560.00	14
15	199400.00	9792.00	209200.00	188300.00	-1800.00	77670.00	15
16	249700.00	10460.00	260200.00	236700.00	-1808.00	78560.00	16
17	239300.00	11750.00	253600.00	227500.00	-912.00	74130.00	17
18	209900.00	18940.00	270600.00	190900.00	-1808.00	83890.00	18
19	236000.00	13720.00	270600.00	204000.00	-1360.00	84340.00	19
20	142200.00	15680.00	235300.00	92940.00	-6688.00	85220.00	20
21	215100.00	7184.00	222300.00	145200.00	-6240.00	72350.00	21
22	131500.00	7184.00	153000.00	124300.00	5306.00	42170.00	22
23	155700.00	6536.00	162200.00	149100.00	3974.00	39950.00	23
24	187000.00	7840.00	198800.00	179200.00	4862.00	47050.00	24
25	206000.00	8488.00	215800.00	196200.00	5306.00	51040.00	25
26	222900.00	11100.00	238000.00	211800.00	6637.00	55040.00	26
27	283000.00	16340.00	307200.00	254900.00	7521.00	64800.00	27
28	211200.00	16340.00	249700.00	185700.00	6188.00	60800.00	28
29	230800.00	11100.00	247100.00	189600.00	9295.00	57700.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	8792.00	75020.00	-15580.00	90730.00	2576.00	91580.00	2
3	7437.00	72740.00	-9736.00	83990.00	2576.00	85420.00	3
4	8800.00	70460.00	-8384.00	85340.00	3456.00	83660.00	4
5	7435.00	66370.00	-4336.00	81300.00	5656.00	77050.00	5
6	7433.00	70010.00	1048.00	82200.00	6536.00	81460.00	6
7	3336.00	72280.00	2392.00	84440.00	3896.00	85860.00	7
8	3336.00	74100.00	5992.00	86230.00	3896.00	86740.00	8
9	8344.00	80920.00	-5240.00	100200.00	7416.00	93780.00	9
10	3336.00	77740.00	-1192.00	91620.00	1256.00	91140.00	10
11	5616.00	79100.00	-2552.00	97460.00	2136.00	90260.00	11
12	4704.00	80930.00	600.00	95220.00	2136.00	92900.00	12
13	7888.00	76830.00	-14670.00	87140.00	816.00	89820.00	13
14	7424.00	73650.00	-10630.00	89380.00	816.00	87180.00	14
15	6072.00	74100.00	-6136.00	89380.00	2136.00	84980.00	15
16	6520.00	72740.00	-6136.00	89380.00	4336.00	83660.00	16
17	4522.00	70010.00	-4792.00	83540.00	3448.00	79260.00	17
18	7888.00	81380.00	-7936.00	96560.00	5216.00	93340.00	18
19	7432.00	81830.00	-7936.00	98370.00	4776.00	92020.00	19
20	9704.00	82280.00	-14220.00	99260.00	808.00	98630.00	20
21	5608.00	71830.00	-14220.00	82190.00	-1832.00	85420.00	21
22	4710.00	43640.00	606.00	48510.00	-500.50	50640.00	22
23	3346.00	40460.00	606.00	46710.00	-2262.00	47990.00	23
24	2891.00	47280.00	2403.00	54800.00	-1381.00	55920.00	24
25	3346.00	53190.00	3750.00	60630.00	-1822.00	63400.00	25
26	4255.00	55920.00	2846.00	66020.00	-503.00	65610.00	26
27	1520.00	67740.00	3296.00	75460.00	-4472.00	78380.00	27
28	618.00	61370.00	5088.00	70960.00	-4472.00	71340.00	28
29	1073.00	60010.00	6890.00	67370.00	-4472.00	71340.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	347600.00	10880.00	358400.00	299600.00	-2744.00	72470.00	2
3	242000.00	55030.00	297000.00	187000.00	5656.00	78220.00	3
4	212600.00	10240.00	256100.00	202300.00	-1408.00	79980.00	4
5	251600.00	9600.00	266300.00	242000.00	352.00	75570.00	5
6	263700.00	12800.00	285500.00	250900.00	3000.00	81750.00	6
7	322600.00	19200.00	345600.00	298300.00	8312.00	80870.00	7
8	347600.00	19840.00	368700.00	327700.00	10510.00	85730.00	8
9	313000.00	19830.00	358400.00	271400.00	16710.00	117500.00	9
10	293200.00	30710.00	371200.00	262500.00	2560.00	122800.00	10
11	316200.00	24310.00	340500.00	222800.00	14500.00	111800.00	11
12	360000.00	25000.00	390000.00	250000.00	8304.00	125100.00	12
13	230000.00	10000.00	240000.00	210000.00	-2296.00	83510.00	13
14	242600.00	10880.00	256100.00	231700.00	-1856.00	86610.00	14
15	265000.00	15000.00	270000.00	250000.00	2128.00	90590.00	15
16	313700.00	16630.00	330300.00	295700.00	4776.00	89700.00	16
17	302100.00	15350.00	317500.00	285500.00	3896.00	86170.00	17
18	311100.00	25590.00	341800.00	279100.00	6104.00	143200.00	18
19	325000.00	20000.00	340000.00	280000.00	17590.00	135200.00	19
20	320000.00	25000.00	340000.00	150000.00	7432.00	148900.00	20
21	325000.00	10240.00	259900.00	212600.00	-2736.00	78660.00	21
22	234300.00	6400.00	243300.00	224100.00	3457.00	29170.00	22
23	258600.00	19200.00	277800.00	236900.00	2573.00	29170.00	23
24	270000.00	10000.00	280000.00	260000.00	4340.00	39770.00	24
25	272700.00	7680.00	285500.00	263700.00	5224.00	44190.00	25
26	240000.00	15000.00	310000.00	280000.00	5666.00	50820.00	26
27	375000.00	20000.00	390000.00	290000.00	2568.00	87500.00	27
28	274600.00	17280.00	323900.00	257300.00	10520.00	87500.00	28
29	302800.00	23670.00	330300.00	272700.00	6102.00	63630.00	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-312.00	75530.00	-8097.00	67200.00	1840.00	66500.00	2
3	1016.00	81300.00	-8097.00	69890.00	6712.00	72260.00	3
4	3240.00	85300.00	-8097.00	73470.00	8040.00	75370.00	4
5	2352.00	79970.00	-8097.00	69890.00	7600.00	73150.00	5
6	1912.00	86630.00	-4520.00	76150.00	7152.00	80690.00	6
7	3680.00	82190.00	-488.00	71220.00	5384.00	75370.00	7
8	136.00	86630.00	1304.00	74810.00	944.00	78910.00	8
9	-12750.00	122600.00	5344.00	106600.00	-6144.00	113500.00	9
10	-10540.00	123100.00	-2272.00	116900.00	-11900.00	111300.00	10
11	-12750.00	114600.00	2656.00	114700.00	-4368.00	109100.00	11
12	-13650.00	121700.00	6240.00	120000.00	-15450.00	114800.00	12
13	-320.00	89740.00	-8096.00	76140.00	7600.00	79360.00	13
14	-1208.00	92410.00	-9881.00	75260.00	4944.00	82020.00	14
15	-4312.00	95510.00	-4064.00	80180.00	1832.00	86010.00	15
16	-4312.00	94630.00	-1384.00	78390.00	952.00	84230.00	16
17	-3872.00	89740.00	-3176.00	73020.00	-1264.00	80240.00	17
18	-10090.00	134200.00	-13470.00	120000.00	-11460.00	117000.00	18
19	-16750.00	118600.00	864.00	120900.00	-9688.00	109100.00	19
20	-18090.00	139500.00	-4512.00	122700.00	-20340.00	127700.00	20
21	-312.00	85300.00	-9889.00	70780.00	4496.00	75360.00	21
22	-751.50	28880.00	-1818.00	28670.00	5391.00	29260.00	22
23	-2529.00	28880.00	-922.00	28670.00	3618.00	28370.00	23
24	1026.00	38650.00	-1818.00	40320.00	6278.00	38130.00	24
25	1471.00	43540.00	-1370.00	44350.00	5834.00	43000.00	25
26	1026.00	51980.00	1318.00	47040.00	6721.00	50980.00	26
27	-11860.00	81750.00	-2272.00	83760.00	-7472.00	75810.00	27
28	-7424.00	82640.00	8920.00	81530.00	-2160.00	82020.00	28
29	-2535.00	64430.00	4006.00	58680.00	514.00	63400.00	29

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.80	265.30	264.40	1.02	1.09	.91	2
3	264.80	265.80	264.40	.92	1.03	.92	3
4	264.70	265.10	264.40	1.06	1.07	.96	4
5	265.00	265.30	264.90	.98	.99	.97	5
6	264.80	266.00	264.60	.94	1.08	.92	6
7	265.30	265.40	264.40	1.00	1.03	.94	7
8	265.30	265.60	265.10	.95	1.05	.89	8
9	265.30	266.20	263.70	1.05	1.29	.97	9
10	264.70	266.20	264.40	1.16	1.36	.89	10
11	265.70	267.80	264.30	1.08	1.34	.97	11
12	265.40	267.40	263.70	.94	1.37	.88	12
13	265.20	265.60	264.60	1.02	1.04	.97	13
14	265.20	265.40	265.10	1.00	1.02	.99	14
15	265.70	265.80	264.90	1.03	1.04	1.01	15
16	265.00	265.10	264.90	1.01	1.02	.99	16
17	264.80	265.10	264.60	.90	.94	.90	17
18	264.80	266.00	264.30	.95	1.21	.87	18
19	264.80	265.40	264.40	1.12	1.19	.90	19
20	271.30	271.80	263.70	1.19	1.31	.95	20
21	264.70	266.00	263.50	.99	1.02	.95	21
22	266.00	266.00	265.60	1.00	1.02	.98	22
23	265.00	265.10	264.60	1.00	1.01	.99	23
24	265.00	265.10	264.90	.99	1.02	.98	24
25	265.00	265.10	264.90	.99	1.02	.99	25
26	264.80	265.30	264.60	.99	1.03	.98	26
27	263.90	264.30	263.30	.95	1.06	.90	27
28	265.10	265.80	264.30	1.06	1.17	.99	28
29	265.30	265.60	264.10	1.06	1.19	1.00	29

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.19	1.11	-1.17	-2.44	-2.14	-7.81	2
3	-.36	.62	-.52	-5.14	-3.81	-5.31	3
4	-1.33	-.52	-1.49	-3.44	-3.23	-4.14	4
5	-.03	.30	-1.17	-4.81	-4.23	-5.23	5
6	1.27	1.44	-.03	-5.81	-4.39	-6.22	6
7	-.44	1.11	-.84	-6.56	-6.31	-7.81	7
8	-.60	.30	-1.17	-8.68	-7.39	-9.72	8
9	-15.01	7.95	-33.25	-4.93	-1.89	-8.06	9
10	1.52	33.02	-.19	-2.44	-.64	-5.97	10
11	-12.73	3.06	-40.90	-2.10	-.64	-5.48	11
12	19.02	36.93	1.92	-.81	2.94	-5.81	12
13	.38	.78	-.19	-3.89	-1.64	-4.31	13
14	-.36	.13	-.52	-3.93	-3.48	-4.31	14
15	-.36	-.19	-.84	-4.68	-4.39	-4.98	15
16	.62	1.11	.46	-6.93	-6.22	-7.14	16
17	-.11	.13	-1.17	-7.81	-6.72	-9.31	17
18	12.26	28.79	-2.31	-8.22	-.39	-9.47	18
19	-11.18	5.34	-30.48	-7.14	-4.81	-10.22	19
20	9.74	42.79	-.36	-1.19	.27	-5.31	20
21	-.36	-.19	-1.01	-4.10	-3.81	-4.64	21
22	-.03	.30	-.52	2.40	3.10	2.19	22
23	.87	1.11	.13	1.81	2.27	1.69	23
24	-.84	-.52	-1.01	-.48	.02	-.81	24
25	-.03	.46	-.36	-1.81	-1.56	-2.56	25
26	-.36	.46	-.52	-3.19	-2.64	-4.06	26
27	-.27	1.44	-1.49	-6.81	-3.64	-7.47	27
28	-18.19	5.83	-34.88	-4.52	.69	-6.31	28
29	2.33	29.44	-3.29	-1.10	.52	-3.81	29

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	183200.00	16610.00	201000.00	160200.00	-8528.00	74620.00	2
3	152500.00	10220.00	188300.00	135900.00	-9838.00	76880.00	3
4	174100.00	9584.00	190800.00	166500.00	-5368.00	78700.00	4
5	256000.00	16600.00	277700.00	238100.00	-1288.00	79140.00	5
6	294300.00	19160.00	323600.00	275100.00	2776.00	81400.00	6
7	325600.00	30020.00	364500.00	295600.00	4584.00	88650.00	7
8	322400.00	34490.00	359400.00	287900.00	968.00	90460.00	8
9	224700.00	30020.00	293000.00	-22470.00	-8978.00	74170.00	9

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	5896.00	75820.00	-14740.00	86510.00	1328.00	90700.00	2
3	1856.00	78060.00	-14740.00	88060.00	-976.00	93010.00	3
4	5896.00	77610.00	-10100.00	91140.00	1328.00	92240.00	4
5	9933.00	75360.00	-2376.00	94230.00	9016.00	92230.00	5
6	9488.00	78510.00	3800.00	95780.00	13630.00	90700.00	6
7	9928.00	83450.00	9200.00	108900.00	25160.00	109900.00	7
8	10820.00	85240.00	2300.00	109700.00	15170.00	99920.00	8
9	6900.00	79500.00	-14000.00	86000.00	2800.00	89200.00	9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	250000.00	10000.00	260000.00	240000.00	-7344.00	43340.00	2
3	200000.00	5000.00	210000.00	180000.00	-5275.00	59680.00	3
4	200000.00	10000.00	210000.00	190000.00	-4488.00	68500.00	4
5	260000.00	10000.00	270000.00	240000.00	280.00	66120.00	5
6	290000.00	15000.00	300000.00	270000.00	772.00	64830.00	6
7	320000.00	25000.00	340000.00	300000.00	-1025.00	74630.00	7
8	320000.00	25000.00	340000.00	290000.00	1200.00	74800.00	8
9	290000.00	25000.00	240000.00	40000.00	2776.00	82870.00	9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	9917.00	41110.00	-6678.00	42240.00	4700.00	40100.00	2
3	3802.00	61800.00	-7520.00	53920.00	2450.00	53550.00	3
4	8525.00	75480.00	-5115.00	62580.00	7349.00	67850.00	4
5	5440.00	73280.00	482.00	61900.00	2252.00	67460.00	5
6	10000.00	70000.00	850.00	59150.00	680.00	67460.00	6
7	2760.00	80420.00	-2632.00	66630.00	-5600.00	73740.00	7
8	4000.00	77600.00	-2000.00	70000.00	-4000.00	74400.00	8
9	11700.00	86680.00	-6025.00	82030.00	10610.00	77390.00	9

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	9102OSDY	9102OMAX	9102OMIN	1442OSDY	1442OMAX	1442OMIN	EVENT
2	265.20	265.30	265.10	1.01	1.02	1.00	2
3	265.50	266.20	265.40	.99	1.03	.97	3
4	265.20	265.30	264.90	.98	1.03	.98	4
5	265.20	265.60	265.10	1.01	1.05	.96	5
6	265.00	265.10	264.90	1.03	1.04	.97	6
7	265.10	265.40	264.90	.99	1.07	.97	7
8	265.30	265.40	264.90	1.01	1.02	.97	8
9	267.80	268.90	261.60	.97	1.12	.85	9

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TOGW 20300 TOCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	-.44	.05	-.60	2.82	4.06	2.40	2
3	-.20	1.51	-.60	1.45	2.57	.99	3
4	1.11	1.35	.21	-.29	.16	-1.74	4
5	.21	1.19	-.11	-3.40	-1.58	-3.82	5
6	.54	1.19	-.44	-4.23	-3.24	-4.56	6
7	.62	1.19	-.28	-5.64	-4.23	-6.47	7
8	.94	1.68	.70	-6.14	-5.89	-6.56	8
9	-.52	.70	-2.72	6.76	9.20	-.67	9

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	330000.00	15000.00	380000.00	280000.00	0.	68000.00	2
3	340000.00	20000.00	360000.00	320000.00	0.	70000.00	3
4	330000.00	25000.00	380000.00	260000.00	0.	68000.00	4
5	240000.00	30000.00	330000.00	260000.00	0.	68000.00	5
6	290000.00	35000.00	330000.00	240000.00	-1640.00	227700.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	7096.00	80010.00	6216.00	99210.00	10550.00	95590.00	2
3	4184.00	81830.00	7792.00	100800.00	11340.00	96380.00	3
4	3912.00	88650.00	8568.00	106300.00	6640.00	104200.00	4
5	7088.00	90020.00	19600.00	104700.00	12130.00	108100.00	5
6	1408.00	232100.00	30000.00	130000.00	20000.00	125000.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	306300.00	20170.00	327700.00	272200.00	3376.00	69760.00	2
3	308800.00	26460.00	352900.00	278500.00	1038.00	76590.00	3
4	301800.00	33400.00	347900.00	252100.00	2912.00	79330.00	4
5	279800.00	35290.00	330200.00	244500.00	2464.00	71580.00	5
6	40000.00	30000.00	330000.00	240000.00	3368.00	76140.00	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-1304.00	74700.00	6243.00	63410.00	-8714.00	69690.00	2
3	-5272.00	80440.00	1600.00	72690.00	-14130.00	75100.00	3
4	-3064.00	81770.00	824.00	76550.00	-11040.00	79740.00	4
5	-2184.00	75580.00	3920.00	70370.00	-7944.00	73560.00	5
6	1792.00	78670.00	-3816.00	71910.00	576.00	77420.00	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	264.70	265.40	264.40	.92	1.09	.87	2
3	264.80	265.40	264.60	.99	1.10	.83	3
4	264.60	265.60	264.30	1.00	1.18	.87	4
5	265.40	266.00	264.90	.97	1.14	.91	5
6	265.80	266.20	264.90	1.08	1.19	.99	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.94	2.08	.61	-5.52	-4.02	-5.69	2
3	.61	2.24	-.21	-7.70	-4.61	-8.37	3
4	-.04	1.75	-.37	-6.36	-4.69	-7.61	4
5	1.02	1.92	.45	-6.11	-5.69	-8.62	5
6	-.04	.77	-.86	-5.11	-4.69	-7.45	6

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
1	242100.00	30510.00	272600.00	170000.00	49050.00	143000.00	1
2	223200.00	28560.00	251800.00	157000.00	-10820.00	85780.00	2
3	227800.00	38300.00	273900.00	163500.00	18220.00	130900.00	3
4	241400.00	25970.00	298500.00	190800.00	57980.00	153700.00	4
5	138900.00	23370.00	236200.00	94700.00	57530.00	170200.00	5
6	250000.00	10000.00	260000.00		-40080.00	188300.00	6
7	380000.00	20000.00	400000.00	200000.00	-544.00	99620.00	7
8	334900.00	22070.00	357000.00	305000.00	-96.00	84880.00	8
9	290700.00	38950.00	342700.00	247900.00	15540.00	96940.00	9
10	281000.00	42190.00	354400.00	236200.00	20010.00	102300.00	10
11	286800.00	40240.00	355700.00	245300.00	21340.00	101900.00	11
12	320000.00	30000.00	353100.00	290000.00	21350.00	109900.00	12
13	271900.00	14930.00	295900.00	257000.00	-1430.00	51370.00	13
14	223200.00	63620.00	314100.00	159600.00	-18410.00	56740.00	14
15	270600.00	17520.00	302400.00	246600.00	-6730.00	54950.00	15
16	258900.00	56470.00	323200.00	198600.00	-10810.00	53610.00	16
17	295900.00	33760.00	340100.00	231000.00	8840.00	85770.00	17
18	317400.00	20130.00	344000.00	293300.00	1240.00	79960.00	18
19	305700.00	22720.00	340100.00	273900.00	81660.00	146100.00	19
20	335500.00	24020.00	363400.00	297200.00	800.00	72370.00	20
21	299200.00	30510.00	340100.00	268700.00	5712.00	76380.00	21
22	276500.00	44140.00	320300.00	231000.00	15540.00	105900.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
1	5712.00	89170.00	-14250.00	103800.00	160.00	106400.00	1
2	7528.00	85530.00	58130.00	157300.00	-624.00	104000.00	2
3	4344.00	104200.00	-20540.00	121100.00	-624.00	125900.00	3
4	3888.00	99180.00	-18180.00	117200.00	-3752.00	113700.00	4
5	7072.00	100500.00	-20000.00	160000.00	-8000.00	120000.00	5
6	-15660.00	115100.00	-15820.00	118000.00	2504.00	122800.00	6
7	-9760.00	99180.00	0.0	110000.00	-10010.00	110300.00	7
8	8896.00	78700.00	2280.00	98330.00	6424.00	93860.00	8
9	8896.00	102400.00	18010.00	121900.00	16580.00	121200.00	9
10	9352.00	109200.00	30000.00	130000.00	12670.00	131400.00	10
11	11180.00	108300.00	17220.00	129000.00	15020.00	132200.00	11
12	14360.00	118700.00	18790.00	140000.00	-123800.00	277300.00	12
13	9808.00	55950.00	-4012.00	59000.00	8768.00	66480.00	13
14	-15220.00	65520.00	-21540.00	69220.00	-31910.00	80570.00	14
15	-2928.00	67790.00	-52000.00	66080.00	-13920.00	84480.00	15
16	2990.00	57320.00	-15820.00	61370.00	-4525.00	68840.00	16
17	2072.00	92810.00	4992.00	101500.00	-3744.00	104000.00	17
18	10270.00	74610.00	0.0	95000.00	7984.00	89170.00	18
19	9813.00	67790.00	4632.00	84950.00	9544.00	79780.00	19
20	7082.00	69610.00	2272.00	87310.00	9552.00	84480.00	20
21	2984.00	78250.00	6208.00	92820.00	944.00	94640.00	21
22	15720.00	113700.00	13290.00	137700.00	19710.00	138400.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
1	251000.00	14200.00	274200.00	182600.00	1048.00	85720.00	1
2	233600.00	12270.00	245800.00	187700.00	-4912.00	79760.00	2
3	217400.00	20660.00	309100.00	185200.00	-2616.00	91220.00	3
4	278100.00	19370.00	307800.00	211000.00	-328.00	94440.00	4
5	211600.00	20020.00	276800.00	170900.00	1048.00	93060.00	5
6	241300.00	20020.00	279400.00	186400.00	1512.00	91690.00	6
7	266500.00	41330.00	364600.00	217400.00	1968.00	105000.00	7
8	314900.00	22600.00	338800.00	291000.00	1968.00	73810.00	8
9	304600.00	32930.00	337500.00	248400.00	6088.00	83430.00	9
10	293000.00	36810.00	342700.00	249700.00	17550.00	93060.00	10
11	296200.00	36160.00	345300.00	252300.00	20300.00	89390.00	11
12	293000.00	32930.00	342700.00	248400.00	17090.00	93520.00	12
13	258700.00	11620.00	272900.00	243200.00	-10860.00	37130.00	13
14	263300.00	23890.00	294900.00	239400.00	-9946.00	40800.00	14
15	267100.00	17430.00	292300.00	238100.00	-10860.00	43550.00	15
16	272300.00	52300.00	325900.00	220000.00	-5362.00	36220.00	16
17	286500.00	30340.00	323300.00	225200.00	11140.00	61890.00	17
18	300700.00	21300.00	322000.00	274200.00	128.00	67390.00	18
19	306500.00	20660.00	333600.00	276800.00	-777.00	47220.00	19
20	323300.00	23250.00	359500.00	297500.00	598.00	54090.00	20
21	313000.00	29700.00	349100.00	280700.00	598.50	53180.00	21
22	317500.00	38100.00	360800.00	267800.00	11600.00	73350.00	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
1	408.00	91690.00	-5712.00	74480.00	2480.00	81310.00	1
2	856.00	84040.00	-6495.00	70560.00	9448.00	82090.00	2
3	-1384.00	98870.00	-4928.00	86240.00	17200.00	94480.00	3
4	-936.00	93930.00	2128.00	79180.00	936.00	85960.00	4
5	-4336.00	97520.00	-224.00	81540.00	-5264.00	87500.00	5
6	-7680.00	95280.00	-224.00	86240.00	-10680.00	86730.00	6
7	-9928.00	109200.00	12310.00	105000.00	-12230.00	105300.00	7
8	-4984.00	77300.00	2133.00	66640.00	-9907.00	70480.00	8
9	4008.00	88980.00	1344.00	76830.00	936.00	85960.00	9
10	2208.00	106100.00	10750.00	83100.00	2480.00	95250.00	10
11	4904.00	103400.00	13100.00	79180.00	14870.00	99900.00	11
12	4000.00	106100.00	10750.00	83100.00	3256.00	94470.00	12
13	-11720.00	33710.00	-17470.00	31360.00	-16090.00	31750.00	13
14	-13520.00	39100.00	2133.00	35280.00	-15320.00	35620.00	14
15	-22050.00	37750.00	-20600.00	37630.00	-26160.00	34070.00	15
16	6709.00	33260.00	-3354.00	34490.00	1717.00	30980.00	16
17	4460.00	67860.00	6054.00	58010.00	4814.00	57310.00	17
18	-2736.00	73250.00	6053.00	61150.00	-1392.00	68140.00	18
19	-482.00	51230.00	-1003.00	43120.00	-2930.00	49560.00	19
20	-3179.00	56630.00	-2570.00	50960.00	-6028.00	54210.00	20
21	-2729.00	52580.00	-2570.00	50960.00	-6802.00	51880.00	21
22	4456.00	80440.00	5264.00	71340.00	7904.00	75890.00	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
1	264.10	265.80	263.50	1.06	1.24	.99	1
2	265.70	266.40	263.90	1.18	1.30	.97	2
3	265.10	267.00	263.30	1.19	1.48	.97	3
4	264.50	266.60	263.30	1.12	1.41	.98	4
5	266.10	267.80	261.60	1.48	1.55	1.04	5
6	265.90	267.20	264.10	1.35	1.53	.98	6
7	266.60	268.40	264.60	1.11	1.48	.87	7
8	265.10	265.30	264.60	1.01	1.05	.99	8
9	265.60	266.20	264.30	1.11	1.24	1.01	9
10	264.80	266.00	264.30	1.24	1.28	.88	10
11	265.10	265.80	264.30	1.12	1.27	.90	11
12	265.80	266.00	264.60	1.07	1.31	.89	12
13	264.80	265.60	264.60	.98	1.00	.96	13
14	264.70	265.30	264.30	1.01	1.03	.96	14
15	264.70	265.30	264.30	1.01	1.03	.98	15
16	265.00	265.60	264.40	1.00	1.04	.98	16
17	264.30	265.60	263.90	.98	1.05	.94	17
18	264.80	265.30	264.60	1.01	1.04	.95	18
19	265.10	265.30	264.90	.99	1.08	.95	19
20	264.80	265.30	264.60	1.00	1.06	.94	20
21	264.70	265.80	264.40	1.04	1.12	.97	21
22	265.50	266.20	264.60	1.27	1.37	.71	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
1	-5.43	9.29	-37.41	-1.11	.23	-3.11	1
2	10.51	29.96	-4.86	-1.36	1.98	-4.36	2
3	-27.16	6.04	-44.25	1.65	2.65	-3.45	3
4	19.63	43.63	-.80	4.40	5.49	-3.28	4
5	-26.26	1.81	-54.98	-2.86	1.48	-5.95	5
6	28.25	57.95	.18	1.56	5.32	-4.53	6
7	-.14	.51	-.63	-4.74	6.49	-7.62	7
8	-.31	.99	-.63	-5.49	-5.03	-6.78	8
9	.99	2.13	.02	-5.24	1.31	-8.79	9
10	1.08	1.81	.02	-10.37	-2.03	-11.38	10
11	.91	1.65	.18	-3.53	-2.28	-11.46	11
12	.26	1.65	.02	-5.41	-1.19	-12.55	12
13	-.80	.34	-1.12	2.73	4.23	2.15	13
14	-.47	.67	-2.59	2.94	3.31	2.15	14
15	-.47	.67	-2.42	3.06	4.15	2.65	15
16	-.06	.34	-.63	3.61	4.40	1.40	16
17	.18	.51	-.63	3.40	3.90	2.15	17
18	.10	.67	-.47	-6.95	-4.95	-7.29	18
19	-.39	.02	-.63	-3.90	-3.28	-4.70	19
20	.26	.83	-.31	-4.99	-4.03	-5.45	20
21	-.31	.67	-1.94	-4.16	-3.78	-7.20	21
22	-1.53	.18	-2.91	-8.00	-2.53	-11.88	22

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	A1200SDY	61200ALT	A1200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	306300.00	18700.00	325000.00	283700.00	2960.00	77170.00	2
3	3969.00	46410.00	72290.00	-53400.00	4767.00	60020.00	3
4	47800.00	54140.00	118700.00	-53400.00	13340.00	76710.00	4
5	247000.00	13540.00	241800.00	224400.00	2504.00	69500.00	5
6	272800.00	17400.00	291500.00	250200.00	3400.00	72200.00	6
7	309500.00	18050.00	331400.00	287600.00	3400.00	74010.00	7
8	293400.00	23850.00	332700.00	264400.00	7016.00	77620.00	8
9	245700.00	16120.00	277300.00	227000.00	8369.00	62720.00	9
10	300500.00	19340.00	322400.00	277300.00	6567.00	68140.00	10
11	291500.00	23200.00	325000.00	264400.00	11990.00	68140.00	11

FLIGHT LOADS

CH-46A FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	3552.00	75470.00	3576.00	89720.00	5136.00	86850.00	2
3	-4718.00	59840.00	4368.00	79490.00	-7272.00	74440.00	3
4	-472.00	77700.00	16170.00	100700.00	2808.00	98490.00	4
5	7126.00	69210.00	2000.00	83420.00	5136.00	80640.00	5
6	7130.00	71890.00	1216.00	87360.00	5912.00	84520.00	6
7	6680.00	72340.00	2000.00	86580.00	7464.00	84520.00	7
8	5734.00	76810.00	5936.00	92080.00	4360.00	90730.00	8
9	4003.00	64300.00	5936.00	79490.00	3584.00	79090.00	9
10	4238.00	68320.00	5936.00	82640.00	5912.00	82970.00	10
11	3992.00	71450.00	11440.00	83420.00	4360.00	86070.00	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	336100.00	41630.00	379100.00	293200.00	480.00	91070.00	2
3	21290.00	45530.00	75920.00	-56120.00	23590.00	71580.00	3
4	33640.00	63090.00	96740.00	-56120.00	2288.00	85630.00	4
5	291900.00	19520.00	316600.00	271100.00	4560.00	77020.00	5
6	317300.00	26660.00	343900.00	285400.00	5912.00	82010.00	6
7	350000.00	25000.00	380000.00	330000.00	2744.00	85180.00	7
8	340000.00	35000.00	395000.00	300000.00	11360.00	98320.00	8
9	316600.00	22120.00	342600.00	286700.00	6831.00	57540.00	9
10	357600.00	27970.00	393400.00	329600.00	3655.00	65240.00	10
11	355000.00	31880.00	398600.00	317900.00	3200.00	67500.00	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-3880.00	91060.00	-3480.00	81880.00	-10970.00	83930.00	2
3	4600.00	91510.00	-1920.00	74080.00	7512.00	94710.00	3
4	-312.00	90170.00	424.00	88900.00	-184.00	83930.00	4
5	2376.00	82140.00	-1136.00	68620.00	584.00	77000.00	5
6	136.00	86150.00	-360.00	72520.00	-1728.00	79310.00	6
7	-2984.00	86600.00	-3472.00	77200.00	-6344.00	79300.00	7
8	-1200.00	106200.00	2760.00	88120.00	3664.00	92400.00	8
9	1931.00	60260.00	1211.00	52250.00	2134.00	56980.00	9
10	145.00	64730.00	-1908.00	61600.00	-1717.00	60830.00	10
11	1926.00	66510.00	-5032.00	64730.00	-10190.00	69300.00	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	265.10	265.30	264.90	.96	1.02	.95	2
3	295.60	302.00	266.80	1.86	2.35	.78	3
4	298.20	303.30	271.90	2.02	2.48	.82	4
5	265.20	265.30	265.10	1.03	1.06	1.01	5
6	265.00	265.40	264.90	1.04	1.07	1.00	6
7	265.20	265.30	265.10	.99	1.01	.93	7
8	265.30	265.40	264.40	.98	1.09	.94	8
9	265.00	265.30	264.90	1.02	1.07	.93	9
10	265.20	265.30	265.10	.98	1.02	.97	10
11	265.10	265.30	264.90	.95	1.01	.93	11

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TGGW 20800 TGCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.08	.48	-.17	-6.56	-6.02	-7.69	2
3	.40	1.46	-1.80	2.06	10.31	-1.27	3
4	-.17	3.74	-.82	7.48	10.31	-1.19	4
5	-1.06	-.17	-1.31	-2.65	-2.02	-4.35	5
6	-.49	.16	-.82	-5.31	-4.77	-6.52	6
7	-1.96	-1.31	-2.29	-7.98	-6.85	-8.19	7
8	.16	1.14	-.00	-8.31	-6.94	-8.60	8
9	.08	.48	-.98	-3.35	-3.02	-5.27	9
10	-.90	-.17	-1.80	-4.52	-3.85	-5.35	10
11	.65	.81	-.82	-6.39	-5.94	-7.19	11

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	61200SDY	61200ALT	61200MAX	61200MIN	41160SDY	41160ALT	EVENT
4	211600.00	43840.00	345000.00	167700.00	-1199.00	56840.00	4
5	307600.00	19980.00	330200.00	265700.00	-752.00	87070.00	5
6	323700.00	55450.00	406300.00	219300.00	-12030.00	113700.00	6
7	354700.00	65760.00	434600.00	215400.00	-16090.00	123200.00	7
8	347600.00	58020.00	446900.00	247700.00	-12030.00	129900.00	8
9	301200.00	23860.00	325000.00	170300.00	-2560.00	93380.00	9
10	295400.00	77370.00	410100.00	69730.00	18650.00	141700.00	10
11	149700.00	25790.00	202500.00	82620.00	-9328.00	97440.00	11
12	144500.00	17410.00	185800.00	98100.00	-11130.00	95640.00	12
13	187100.00	15470.00	218000.00	123900.00	-4360.00	90680.00	13
15	-29230.00	24180.00	-2477.00	-53410.00	606.00	21650.00	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TAGW 25000 TACG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
4	33030.00	62940.00	-414.00	65310.00	-8842.00	58970.00	4
5	4448.00	84370.00	-6720.00	99940.00	2792.00	95420.00	5
6	-1800.00	108500.00	-19310.00	134600.00	-7288.00	125700.00	6
7	880.00	121900.00	-18520.00	141600.00	-9616.00	145100.00	7
8	-5368.00	121900.00	-12220.00	149500.00	-11170.00	143500.00	8
9	1328.00	88380.00	-7504.00	108600.00	-4192.00	100800.00	9
10	-18320.00	157100.00	16100.00	166800.00	-5744.00	169100.00	10
11	11140.00	96420.00	-20100.00	114900.00	1240.00	117100.00	11
12	11590.00	96870.00	-22460.00	112500.00	2792.00	117100.00	12
13	7576.00	90170.00	-18520.00	103900.00	-3416.00	106300.00	13
15	-6.00	20980.00	-6709.00	22820.00	-11160.00	22500.00	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
4	323000.00	41630.00	453100.00	144800.00	-4976.00	36700.00	4
5	351600.00	27320.00	379000.00	319100.00	15860.00	112800.00	5
6	430000.00	55000.00	480000.00	270000.00	45760.00	175300.00	6
7	424500.00	85220.00	528600.00	239700.00	26740.00	190700.00	7
8	447300.00	67000.00	514300.00	276200.00	51650.00	173100.00	8
9	322400.00	34480.00	356800.00	263200.00	16760.00	150000.00	9
10	402400.00	124900.00	606700.00	94030.00	10870.00	221100.00	10
11	235000.00	18000.00	275000.00	190000.00	-10420.00	110100.00	11
12	215700.00	44880.00	290500.00	170800.00	-448.00	101900.00	12
13	211100.00	55940.00	289200.00	155200.00	-904.00	95140.00	13
15	-23390.00	32850.00	12070.00	-56240.00	-4523.00	9968.00	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49170SDY	49170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
4	2326.00	40210.00	447.00	37430.00	-4828.00	37730.00	4
5	-11090.00	114400.00	17590.00	110700.00	-13300.00	106300.00	5
6	-17340.00	149200.00	9792.00	143500.00	-27940.00	133200.00	6
7	-18020.00	208000.00	44100.00	171500.00	-17150.00	179400.00	7
8	-7512.00	151000.00	33970.00	152000.00	-16380.00	140100.00	8
9	-21820.00	146600.00	-2680.00	129400.00	-8688.00	134000.00	9
10	2096.00	228100.00	28510.00	219900.00	18260.00	221000.00	10
11	-4832.00	118800.00	-6576.00	102100.00	-3296.00	108600.00	11
12	3216.00	102800.00	440.00	88890.00	5176.00	92410.00	12
13	1424.00	96510.00	-8144.00	81870.00	4400.00	83940.00	13
15	2326.00	10720.00	-7351.00	9357.00	9804.00	10780.00	15

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
4	266.60	270.40	259.00	1.04	1.20	.89	4
5	264.80	265.40	264.40	1.00	1.06	.92	5
6	264.10	270.60	262.00	1.29	1.47	.91	6
7	264.80	273.00	259.20	1.31	1.63	.85	7
8	263.30	270.90	258.40	1.31	1.68	.93	8
9	265.20	267.00	264.30	.90	1.25	.77	9
10	266.20	281.40	263.70	1.47	1.78	.69	10
11	267.70	268.90	264.30	1.28	1.36	.96	11
12	265.30	266.60	264.10	1.14	1.27	.97	12
13	264.80	267.00	263.90	1.02	1.21	.98	13
15	296.20	353.30	238.50	.99	1.01	.98	15

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
4	-.49	.97	-.98	6.06	8.56	1.81	4
5	1.22	1.62	.48	-2.98	-2.10	-6.60	5
6	1.14	1.79	.81	-3.73	-2.10	-5.02	6
7	.48	1.46	-.49	-.73	.64	-5.19	7
8	1.62	2.28	-.82	-4.73	-2.02	-5.60	8
9	1.14	2.11	-.49	-2.10	-1.35	-13.68	9
10	.73	1.79	-.82	-5.40	5.31	-13.35	10
11	12.13	44.15	-2.61	-3.31	3.48	-5.02	11
12	-15.00	.81	-45.30	1.39	3.06	-3.69	12
13	12.78	45.94	-4.73	-1.77	-.44	-4.52	13
15	-.25	-.00	-.49	-1.10	-.11	-1.52	15

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	61200SDY	61200ALT	61200MAX	61200MIN	41160SDY	41160ALT	EVENT
2	76260.00	5176.00	84030.00	49090.00	-979.50	19400.00	2
3	220600.00	12300.00	234200.00	198000.00	6680.00	76680.00	3
4	260100.00	18130.00	304100.00	236800.00	3976.00	77580.00	4
5	307300.00	20060.00	330000.00	275600.00	1720.00	77130.00	5
6	288600.00	18130.00	327400.00	269100.00	2624.00	76220.00	6
7	228400.00	20060.00	248400.00	143600.00	368.00	77580.00	7
8	219300.00	26540.00	279500.00	172000.00	4424.00	84340.00	8
9	205700.00	19420.00	271700.00	177200.00	5784.00	83900.00	9
10	197900.00	15530.00	222500.00	175900.00	4424.00	77130.00	10
11	284000.00	18770.00	305400.00	247100.00	3072.00	77580.00	11
12	292400.00	19420.00	317000.00	262700.00	2168.00	78490.00	12
13	280100.00	25250.00	335200.00	238100.00	5328.00	79840.00	13
14	278200.00	22010.00	310600.00	229000.00	4424.00	78940.00	14
15	-24700.00	5178.00	-14340.00	-31170.00	-77.50	60890.00	15
16	-22110.00	9061.00	-1398.00	-48000.00	3528.00	81640.00	16
17	-43470.00	8414.00	19310.00	-52530.00	1720.00	78940.00	17
18	80150.00	16830.00	133200.00	-52530.00	6232.00	83450.00	18
19	253000.00	21360.00	287300.00	220000.00	3520.00	75330.00	19
20	300900.00	23940.00	342900.00	269100.00	816.00	77140.00	20
21	274300.00	22660.00	340300.00	247100.00	7136.00	80740.00	21
22	310600.00	28480.00	344200.00	258800.00	4880.00	75780.00	22
23	290500.00	35600.00	336400.00	218700.00	2624.00	84350.00	23
24	244600.00	20710.00	278200.00	220000.00	5780.00	71260.00	24
25	308600.00	23950.00	342900.00	267800.00	2616.00	81640.00	25
26	302800.00	29780.00	339000.00	264000.00	9384.00	79380.00	26
27	298300.00	29130.00	330000.00	216100.00	1272.00	85700.00	27
28	218700.00	20700.00	239400.00	165600.00	5776.00	84800.00	28
29	208300.00	24590.00	249700.00	159100.00	6224.00	78030.00	29
30	188900.00	14240.00	226400.00	137100.00	11190.00	86600.00	30
31	147500.00	15540.00	213500.00	128000.00	1720.00	78940.00	31
32	129300.00	22010.00	203100.00	64620.00	4880.00	78480.00	32
33	148100.00	27830.00	190200.00	84030.00	8488.00	81190.00	33
34	235500.00	29780.00	324800.00	192800.00	6680.00	82090.00	34
35	235500.00	24590.00	330000.00	204400.00	-992.00	87060.00	35
36	324800.00	62140.00	418000.00	213500.00	12540.00	86140.00	36
37	288600.00	20710.00	320900.00	251000.00	6232.00	77130.00	37
38	297600.00	20710.00	336400.00	276900.00	2168.00	77580.00	38
39	288600.00	36240.00	330000.00	226400.00	4880.00	89310.00	39
40	266600.00	19420.00	298900.00	226400.00	3072.00	73070.00	40
41	303400.00	21360.00	327400.00	267800.00	6224.00	73520.00	41
42	280800.00	28470.00	328700.00	248400.00	816.00	78930.00	42
43	297000.00	29130.00	333900.00	226400.00	-1440.00	85700.00	43
44	241300.00	29130.00	288600.00	191500.00	-4144.00	91120.00	44
45	133200.00	23300.00	182400.00	16720.00	3072.00	111900.00	45
46	-9813.00	3237.00	-3987.00	-14340.00	-979.50	15790.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	41170SDY	41170ALT	41870SDY	41870ALT	41880SDY	41880ALT	EVENT
2	-4659.00	17220.00	-7599.00	20740.00	-2510.00	24310.00	2
3	-1944.00	79770.00	-3616.00	91730.00	10820.00	86270.00	3
4	776.00	78860.00	1968.00	90930.00	4544.00	87840.00	4
5	-136.00	78860.00	-2024.00	88540.00	3760.00	85490.00	5
6	1224.00	78410.00	2760.00	88540.00	4544.00	86270.00	6
7	8024.00	74330.00	11540.00	87730.00	-944.00	90190.00	7
8	-1040.00	86110.00	-1224.00	98900.00	9248.00	94110.00	8
9	-1944.00	88820.00	-3624.00	102900.00	8464.00	93330.00	9
10	-2856.00	79770.00	-2824.00	92520.00	7680.00	86270.00	10
11	320.00	77500.00	368.00	89330.00	6896.00	88620.00	11
12	768.00	80670.00	1968.00	90930.00	5328.00	87060.00	12
13	-584.00	80220.00	-424.00	91720.00	11600.00	91760.00	13
14	768.00	80670.00	1968.00	90930.00	5328.00	93330.00	14
15	-4206.00	55740.00	-6807.00	67800.00	-5656.00	71370.00	15
16	2136.00	82940.00	-4416.00	90930.00	2976.00	90980.00	16
17	-9200.00	76140.00	-16380.00	86940.00	-5648.00	94900.00	17
18	-7384.00	87020.00	-17180.00	97300.00	-944.00	101200.00	18
19	-584.00	74780.00	-424.00	86940.00	6112.00	86270.00	19
20	3488.00	77950.00	6752.00	90930.00	6896.00	88620.00	20
21	1224.00	80220.00	376.00	92520.00	11600.00	93330.00	21
22	3488.00	77040.00	3560.00	89340.00	10820.00	89410.00	22
23	9840.00	82480.00	13930.00	94920.00	1408.00	98820.00	23
24	7578.00	70250.00	3560.00	86140.00	8464.00	83920.00	24
25	4856.00	80220.00	-432.00	96510.00	4544.00	94110.00	25
26	1680.00	76140.00	2760.00	93320.00	21010.00	94900.00	26
27	14820.00	79310.00	18710.00	96500.00	6112.00	103500.00	27
28	-11010.00	85200.00	-13980.00	100500.00	2976.00	102000.00	28
29	768.00	80670.00	-3616.00	91730.00	5328.00	94900.00	29
30	-4208.00	89280.00	-10790.00	103700.00	5328.00	101200.00	30
31	-11460.00	80220.00	-13980.00	95710.00	-1728.00	95680.00	31
32	1224.00	81130.00	-7608.00	94120.00	8464.00	94900.00	32
33	1680.00	83390.00	-9200.00	95710.00	6112.00	98820.00	33
34	10740.00	83380.00	15530.00	98100.00	2976.00	95680.00	34
35	4664.00	83850.00	8344.00	97300.00	3760.00	101200.00	35
36	-9192.00	87020.00	-14780.00	104500.00	18660.00	102000.00	36
37	4856.00	77500.00	5152.00	90930.00	11600.00	90190.00	37
38	3944.00	76580.00	-2024.00	93320.00	10820.00	89410.00	38
39	1680.00	85200.00	-424.00	102900.00	10820.00	105100.00	39
40	4400.00	73420.00	8344.00	86140.00	9248.00	84700.00	40
41	2584.00	74330.00	5152.00	86140.00	9248.00	84700.00	41
42	5760.00	78400.00	11540.00	90930.00	3760.00	91760.00	42
43	11650.00	78860.00	13130.00	94120.00	1408.00	102000.00	43
44	8480.00	87470.00	12330.00	102900.00	-168.00	111400.00	44
45	21140.00	111900.00	29880.00	118800.00	7680.00	120800.00	45
46	779.50	15410.00	-3611.00	16750.00	-4862.00	17250.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	49200SDY	49200ALT	49200MAX	49200MIN	49160SDY	49160ALT	EVENT
2	71050.00	6034.00	86460.00	50270.00	-2883.00	14030.00	2
3	273500.00	20790.00	295700.00	250100.00	4808.00	100500.00	3
4	375000.00	17000.00	400000.00	360000.00	11140.00	118600.00	4
5	348800.00	26150.00	396300.00	335900.00	10240.00	112300.00	5
6	369400.00	28160.00	401600.00	327900.00	11600.00	117200.00	6
7	300000.00	25000.00	330000.00	180000.00	9336.00	106800.00	7
8	230000.00	15000.00	270000.00	230000.00	22910.00	163000.00	8
9	325000.00	20000.00	349300.00	101200.00	19740.00	139900.00	9
10	270200.00	21460.00	294300.00	231300.00	15220.00	120900.00	10
11	351300.00	32860.00	384200.00	295700.00	7072.00	115400.00	11
12	352700.00	44920.00	400300.00	307700.00	7976.00	116300.00	12
13	380000.00	35000.00	431100.00	320000.00	-4256.00	127700.00	13
14	372800.00	39560.00	412300.00	278200.00	-5608.00	117300.00	14
15	2661.00	8717.00	15400.00	-7397.00	-21450.00	64290.00	15
16	3332.00	13410.00	32840.00	-24830.00	-15110.00	71530.00	16
17	30000.00	11000.00	47590.00	-10000.00	-13300.00	74250.00	17
18	30000.00	10000.00	223200.00		-6064.00	87820.00	18
19	310000.00	15000.00	346600.00	290000.00	3896.00	85110.00	19
20	372100.00	33520.00	405600.00	315800.00	9328.00	110500.00	20
21	337200.00	42910.00	423100.00	294300.00	2536.00	129900.00	21
22	364100.00	41570.00	405600.00	306400.00	11590.00	112700.00	22
23	370000.00	30000.00	396300.00	250000.00	13860.00	111400.00	23
24	310000.00	15000.00	329200.00	270000.00	4808.00	79670.00	24
25	327200.00	52980.00	405600.00	274200.00	5264.00	115400.00	25
26	337200.00	41580.00	389600.00	295700.00	2088.00	95060.00	26
27	330000.00	35000.00	374800.00	255000.00	14770.00	107700.00	27
28	300000.00	20000.00	314400.00	230000.00	21560.00	136300.00	28
29	215900.00	52970.00	293000.00	162900.00	4800.00	105900.00	29
30	275000.00	15000.00	301000.00	220000.00	11140.00	129500.00	30
31	244000.00	24810.00	271500.00	187000.00	6160.00	106400.00	31
32	219900.00	22130.00	294300.00	195100.00	6160.00	98240.00	32
33	280000.00	15000.00	298400.00	200000.00	12500.00	129000.00	33
34	304400.00	52970.00	392200.00	232600.00	43280.00	161600.00	34
35	290000.00	15000.00	382800.00	230000.00	17940.00	155300.00	35
36	229300.00	85160.00	495500.00	144100.00	7072.00	111800.00	36
37	350000.00	20000.00	373500.00	280000.00	10240.00	95070.00	37
38	360000.00	25000.00	390900.00	330000.00	4808.00	93260.00	38
39	339900.00	41580.00	392200.00	262100.00	10240.00	115000.00	39
40	320000.00	25000.00	353300.00	270000.00	11590.00	94620.00	40
41	325200.00	42910.00	389600.00	282300.00	280.00	88730.00	41
42	308400.00	58340.00	381500.00	250100.00	16580.00	96880.00	42
43	332600.00	48950.00	381500.00	278200.00	16130.00	120000.00	43
44	293700.00	38220.00	349300.00	227300.00	28340.00	137600.00	44
45	300000.00	20000.00	342600.00	110000.00	-4704.00	75600.00	45
46	-31540.00	29500.00	650.00	-61040.00	-3336.00	9960.00	46

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

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

EVENT	69170SDY	69170ALT	49230SDY	49230ALT	49240SDY	49240ALT	EVENT
2	-831.50	14260.00	-4793.00	19480.00	1212.00	17270.00	2
3	-9312.00	103000.00	3776.00	88820.00	-12140.00	94960.00	3
4	-15990.00	113200.00	15460.00	111400.00	-23130.00	105900.00	4
5	-17330.00	108300.00	17020.00	108300.00	-24700.00	99670.00	5
6	-9304.00	110100.00	20140.00	113000.00	-27050.00	102000.00	6
7	-3512.00	109700.00	10780.00	105200.00	1992.00	102800.00	7
8	-6192.00	154200.00	4552.00	128600.00	-16060.00	122400.00	8
9	-11980.00	124400.00	7664.00	127000.00	-15270.00	116900.00	9
10	-15550.00	114600.00	14670.00	109100.00	-16060.00	109900.00	10
11	-14890.00	114100.00	9224.00	113000.00	-22340.00	108300.00	11
12	-12870.00	113700.00	13900.00	111400.00	-25480.00	105200.00	12
13	-8416.00	133300.00	1432.00	123900.00	-16840.00	121600.00	13
14	-2624.00	122100.00	656.00	120000.00	-1936.00	106700.00	14
15	8528.00	69980.00	-28950.00	68570.00	12190.00	72190.00	15
16	11650.00	67760.00	-23490.00	72460.00	15340.00	70630.00	16
17	12990.00	69090.00	-18820.00	75580.00	14550.00	72980.00	17
18	3176.00	94060.00	-11810.00	91940.00	12180.00	87900.00	18
19	-3512.00	90040.00	-120.00	77130.00	-7432.00	83980.00	19
20	-11980.00	112800.00	13900.00	102100.00	-18420.00	107500.00	20
21	-19560.00	126600.00	656.00	120000.00	-27050.00	117700.00	21
22	-13760.00	111900.00	10780.00	102100.00	-18420.00	104400.00	22
23	-5296.00	115900.00	14680.00	102800.00	-5072.00	108300.00	23
24	3168.00	83360.00	4544.00	70900.00	-2720.00	77700.00	24
25	-12420.00	116800.00	17790.00	106000.00	-13710.00	110700.00	25
26	-1728.00	92720.00	-904.00	90380.00	-5080.00	86330.00	26
27	-1288.00	113700.00	10780.00	97390.00	-1936.00	102000.00	27
28	-15550.00	141300.00	19350.00	115300.00	2776.00	116200.00	28
29	48.00	105200.00	3776.00	91940.00	416.00	91820.00	29
30	-10200.00	135100.00	10780.00	111400.00	1200.00	114600.00	30
31	-6184.00	109700.00	-5576.00	98170.00	-1152.00	96530.00	31
32	-8856.00	94500.00	3768.00	82580.00	2768.00	78480.00	32
33	8968.00	117700.00	8440.00	115300.00	9832.00	102800.00	33
34	-4184.00	174700.00	2992.00	139500.00	14550.00	151500.00	34
35	-16440.00	144900.00	8440.00	146500.00	-2720.00	123200.00	35
36	-15550.00	112800.00	7672.00	100500.00	-22340.00	103600.00	36
37	-2176.00	102100.00	6888.00	84140.00	-5856.00	94960.00	37
38	-2176.00	91380.00	656.00	84140.00	-7432.00	83980.00	38
39	2280.00	122600.00	14680.00	107500.00	2768.00	111400.00	39
40	-3064.00	97620.00	8440.00	82580.00	-5072.00	91040.00	40
41	-7528.00	88710.00	-904.00	81030.00	-13710.00	80830.00	41
42	-2624.00	103400.00	13120.00	85700.00	-5856.00	93390.00	42
43	-5744.00	115500.00	8448.00	107500.00	-5864.00	105900.00	43
44	-9304.00	139500.00	6888.00	123100.00	-5072.00	125600.00	44
45	12540.00	77560.00	-7136.00	73230.00	14550.00	72980.00	45
46	-3060.00	10250.00	-7130.00	14020.00	2781.00	14130.00	46

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CH-46 FGB STRESS SURVEY

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

EVENT	91020SDY	91020MAX	91020MIN	14420SDY	14420MAX	14420MIN	EVENT
2	303.40	306.30	301.40	1.01	1.02	1.00	2
3	304.30	304.40	304.10	1.02	1.06	.97	3
4	304.00	304.30	303.80	1.05	1.07	.95	4
5	303.90	304.10	303.90	.99	1.02	.96	5
6	303.90	304.10	303.80	.97	1.02	.88	6
7	304.90	305.20	303.80	1.09	1.13	.96	7
8	304.10	304.80	303.10	.96	1.21	.89	8
9	304.00	304.30	303.10	.90	1.23	.86	9
10	303.90	304.40	303.80	1.10	1.14	.93	10
11	303.90	304.10	303.80	.96	1.10	.89	11
12	304.10	304.30	303.80	.98	1.06	.96	12
13	303.90	304.10	303.50	1.00	1.08	.87	13
14	304.00	304.30	303.90	1.07	1.10	1.00	14
15	320.50	322.80	319.70	1.01	1.03	.96	15
16	320.80	324.30	315.50	1.14	1.29	.93	16
17	312.60	323.60	301.70	1.33	1.42	.82	17
18	305.00	317.90	298.80	1.27	1.51	1.04	18
19	304.00	304.30	303.40	.95	1.10	.90	19
20	304.10	304.40	303.60	.98	1.12	.84	20
21	304.30	304.50	303.80	1.03	1.14	.84	21
22	303.90	304.40	303.60	.96	1.10	.90	22
23	303.90	304.60	303.40	1.04	1.22	.80	23
24	303.90	304.40	303.80	.97	1.08	.94	24
25	304.30	304.40	303.80	.98	1.18	.88	25
26	303.80	304.10	303.50	.93	1.05	.82	26
27	304.20	304.90	303.90	.92	1.23	.88	27
28	303.30	304.60	302.60	1.07	1.24	.93	28
29	304.30	305.20	303.50	1.08	1.20	1.00	29
30	303.40	304.60	302.90	1.12	1.26	1.01	30
31	304.40	305.20	303.00	1.15	1.34	.92	31
32	305.00	305.90	303.10	1.09	1.30	.86	32
33	304.40	305.30	303.10	1.15	1.26	1.02	33
34	305.70	306.10	303.50	1.33	1.43	.89	34
35	304.50	305.20	303.30	.93	1.41	.64	35
36	304.20	308.20	303.00	1.34	1.61	.88	36
37	304.30	304.50	303.90	.94	1.17	.90	37
38	304.30	304.40	303.60	1.05	1.10	.91	38
39	304.20	304.40	303.80	1.14	1.26	1.04	39
40	304.10	304.60	303.60	1.02	1.15	.88	40
41	304.10	304.30	303.90	.93	1.05	.89	41
42	304.20	304.50	303.80	.89	1.08	.83	42
43	304.30	304.80	304.00	1.05	1.23	.88	43
44	304.20	305.30	303.60	1.23	1.31	.93	44
45	303.50	305.60	302.60	1.04	1.15	.86	45
46	324.60	332.80	297.60	1.01	1.02	1.00	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TOGW 20,800 TMCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	34020SDY	34020MAX	34020MIN	34010SDY	34010MAX	34010MIN	EVENT
2	.12	.28	-.21	1.10	1.50	.53	2
3	.12	.44	-.87	-3.02	-2.80	-4.55	3
4	1.18	1.43	-.05	-5.60	-4.03	-5.78	4
5	.12	.77	-.37	-5.96	-5.34	-6.31	5
6	1.10	1.43	-.05	-7.40	-4.81	-7.80	6
7	-.05	3.88	-.37	.05	1.24	-2.62	7
8	-3.73	5.19	-28.87	-6.53	-.34	-10.43	8
9	-17.00	7.48	-30.02	-6.26	-2.80	-8.41	9
10	1.18	1.59	-.05	-3.50	-1.75	-4.90	10
11	.28	1.75	-.54	-5.91	-3.41	-7.01	11
12	-.78	-.21	-1.19	-7.10	-6.04	-7.80	12
13	.61	1.43	-.21	-5.65	-3.41	-8.24	13
14	-.29	3.39	-1.03	-5.78	-3.50	-6.22	14
15	-1.44	-.54	-1.85	1.50	2.02	1.06	15
16	6.83	16.32	-29.20	1.28	5.01	-2.01	16
17	5.27	35.65	-22.97	2.86	8.69	-2.36	17
18	-27.31	2.41	-46.06	-8.24	-1.04	-23.41	18
19	.03	1.26	-1.19	-3.15	-2.10	-6.04	19
20	.77	1.26	-1.52	-4.33	-2.62	-8.76	20
21	.20	1.26	-.21	-4.16	-3.32	-8.24	21
22	1.18	2.24	-.21	-8.85	-6.48	-9.38	22
23	1.92	2.90	-.05	-8.76	-1.66	-10.43	23
24	2.00	2.24	.12	-4.82	-4.55	-5.43	24
25	-.13	.94	-1.69	-4.68	-4.03	-7.27	25
26	1.26	3.23	-.37	-8.54	-7.62	-10.52	26
27	-.05	.77	-.37	-10.38	-5.96	-11.57	27
28	-19.29	2.90	-49.34	-6.57	1.15	-7.45	28
29	9.37	49.57	-8.73	-4.47	-1.31	-5.08	29
30	-18.88	5.85	-59.82	-2.49	1.32	-8.32	30
31	36.39	60.05	-2.83	-2.97	.53	-4.20	31
32	26.23	50.06	-4.63	-1.79	6.23	-6.57	32
33	-25.35	7.65	-55.39	1.15	6.23	-4.64	33
34	3.06	34.66	-11.02	-3.41	-.61	-6.92	34
35	.12	1.10	-.70	-6.66	-2.97	-9.20	35
36	.53	.94	-.05	-4.68	-3.76	-5.78	36
37	-.05	.77	-.87	-4.38	-2.18	-4.73	37
38	.44	1.10	-.87	-4.95	-4.55	-5.87	38
39	-.37	2.08	-1.19	-.91	-.61	-8.76	39
40	.20	1.10	-.70	-2.45	-1.40	-4.03	40
41	1.18	1.75	.61	-6.09	-5.08	-7.53	41
42	.61	2.57	.28	-8.15	-7.27	-10.60	42
43	2.82	3.06	.94	-8.81	-6.22	-10.95	43
44	-.78	1.10	-4.14	-3.81	-.69	-4.64	44
45	.12	2.74	-2.83	1.81	6.41	-1.31	45
46	.20	.44	-.05	.67	.97	.45	46