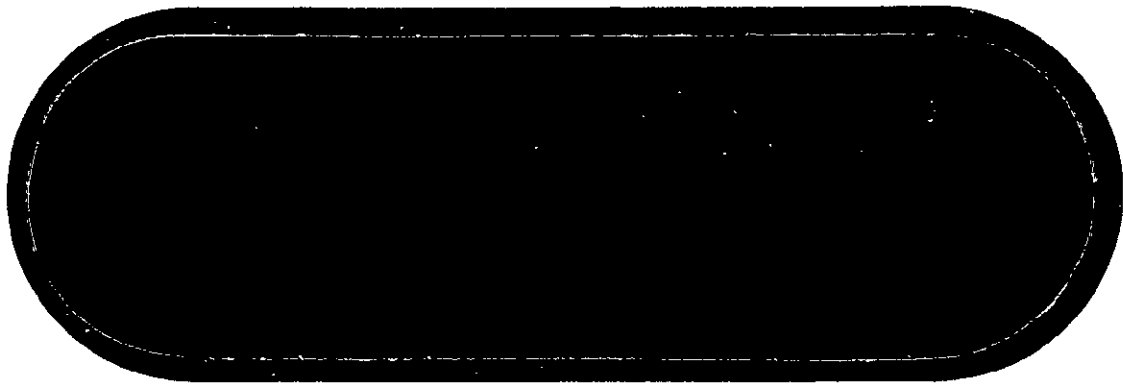


Enclosure
3-1130-39-348

VOL III

BOEING



(NASA-CR-150835) LOAD AND DYNAMIC N79-10050
ASSESSMENT OF B-52B-008 CARRIER AIRCRAFT FOR
FINNED CONFIGURATION 1 SPACE SHUTTLE-SOLID
ROCKET BOOSTER DECELERATOR SUBSYSTEM DROP Unclas
TEST VEHICLE. VOLUME (Boeing Co., Wichita, G3/05 33923

THE **BOEING** COMPANY
CODE IDENT. NO. 81205

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☐ IR&D
☐ OTHER

DOCUMENT NO. D3-11220-2 MODEL B-52B-008

TITLE LOAD AND DYNAMIC ASSESSMENT OF B-52B-008 CARRIER AIRCRAFT
FOR FINNED CONFIGURATION 1 SPACE SHUTTLE SOLID ROCKET BOOSTER
DECELERATOR SUBSYSTEM DROP TEST VEHICLE - VOLUME III,
PYLON LOAD DATA METHOD 1.

ORIGINAL RELEASE DATE
ISSUE NO. TO

ADDITIONAL LIMITATIONS IMPOSED ON THIS DOCUMENT
WILL BE FOUND ON A SEPARATE LIMITATIONS PAGE

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ABSTRACT

This volume presents the pylon loading at the drop test vehicle (DTV) and wing interface attach points. The loads shown are determined using Stiffness Method 1, which assumes the side stiffness of the forward hook guide to be one-fourth of the fore and aft stiffness of each drag pin. The net effect of this assumption is that the forward hook guide reacts approximately 85 percent of the drop test vehicle yawing moment. For a comparison of these loads to previous X-15 analysis design loadings see Volume I of this document.

The other three volumes of this document contain the following information:

- Volume I - Summary of airplane flutter and load-strength evaluation analysis results and a comparison study of pylon loads resulting from the DTV.
- Volume II - Detailed B-52B-008/DTV flutter and load analysis results.
- Volume IV - Pylon loading at the DTV and wing interface attach points using Stiffness Method 2.

TABLE OF CONTENTS

	<u>Page</u>
TABLE OF CONTENTS.....	3
LIST OF FIGURES.....	4
LIST OF TABLES.....	5
1.0 SUMMARY.....	7
2.0 ANALYSIS METHOD DESCRIPTION.....	18
3.0 RESULTS.....	19
4.0 REFERENCES.....	134

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1	DTV Configuration 1 (With Fins) Definition.....	8
2	Pylon Geometry.....	9
3	Condition Number Definition.....	11

LIST OF TABLES

<u>Table</u>		<u>Page</u>
I	Design Conditions - Pylon Loads.....	10
II	Pylon Loads Summary (Ultimate), Method 1, Configuration 1 (With Fins).....	12
III	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 1...	20
IV	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 2...	26
V	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 3...	32
VI	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 4...	38
VII	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 5...	44
VIII	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 6...	50
IX	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 7...	56
X	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 8...	62
XI	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 9...	68
XII	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 10..	74
XIII	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 11..	80
XIV	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 12..	86
XV	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 13..	92

LIST OF TABLES
(Continued)

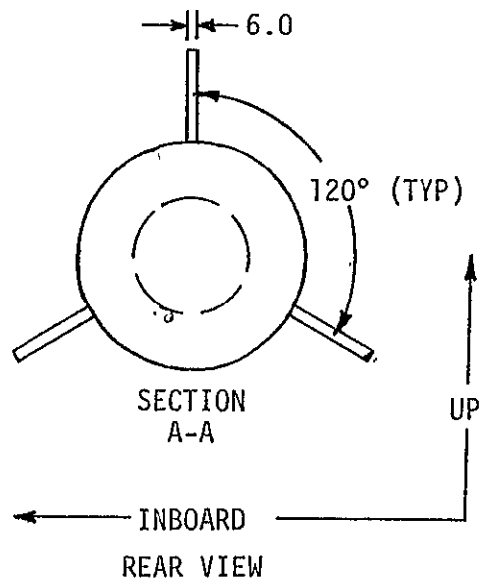
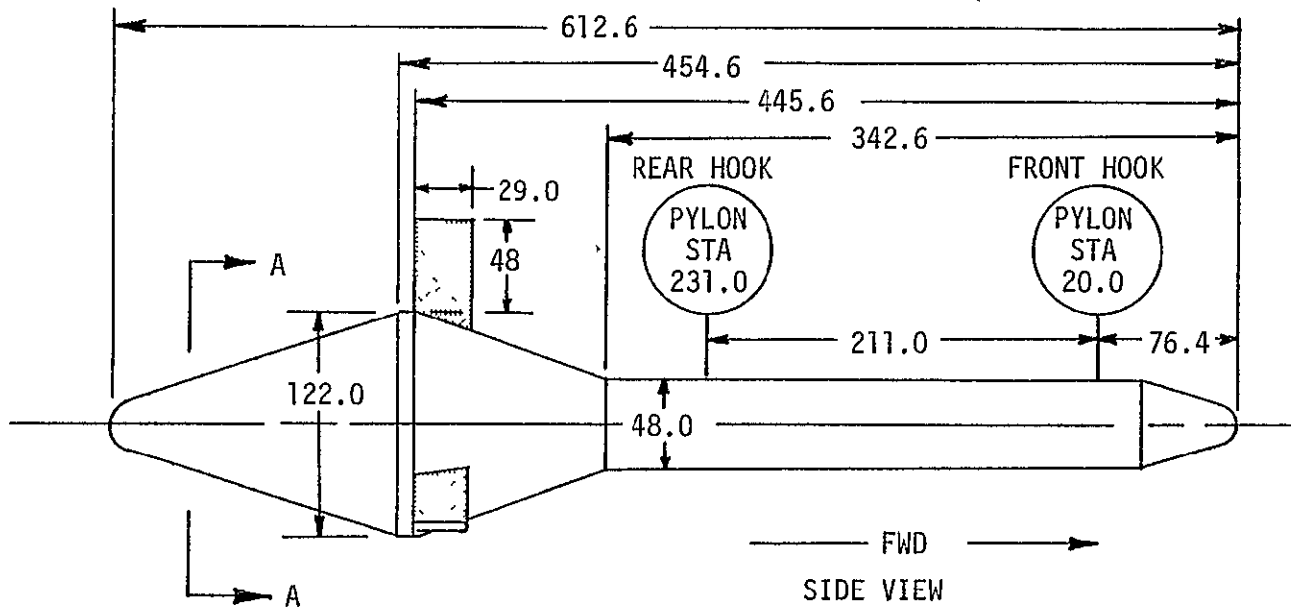
<u>Figure</u>		<u>Page</u>
XVI	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 14..	98
XVII	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 15..	104
XVIII	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 16..	110
XVIX	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 17..	116
XX	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Condition 18..	122
XXI	Pylon Loads (Ultimate) - Method 1, Configuration 1 (With Fins), Conditions 19-22.....	128

1.0 SUMMARY

The ultimate loading at the drop test vehicle (DTV) - pylon and pylon - wing interface attach points as obtained using Stiffness Method 1 is given for DTV Configuration 1 (with fins). A sketch of Finned DTV Configuration 1 is shown in Figure 1. Pylon geometry used in the analysis is defined in Figure 2. The analysis design conditions defined in Table I were developed using the inertia load factor criteria defined in Reference 1 for the X-15A-2 installation, B-52B angle of attack data per Reference 2, B-52B lateral gust criteria (55 foot per second limit gust velocity) and DTV aerodynamics as defined by George C. Marshall Space Flight Center (MSFC). An explanation of the condition numbering system is given in Figure 3. A summary of DTV Configuration 1 (with fins) critical pylon loadings is shown in Table II. For a comparison of these loadings to X-15A-2 design ultimates ($1.5 \times \text{limit}$) see Volume I of this document.

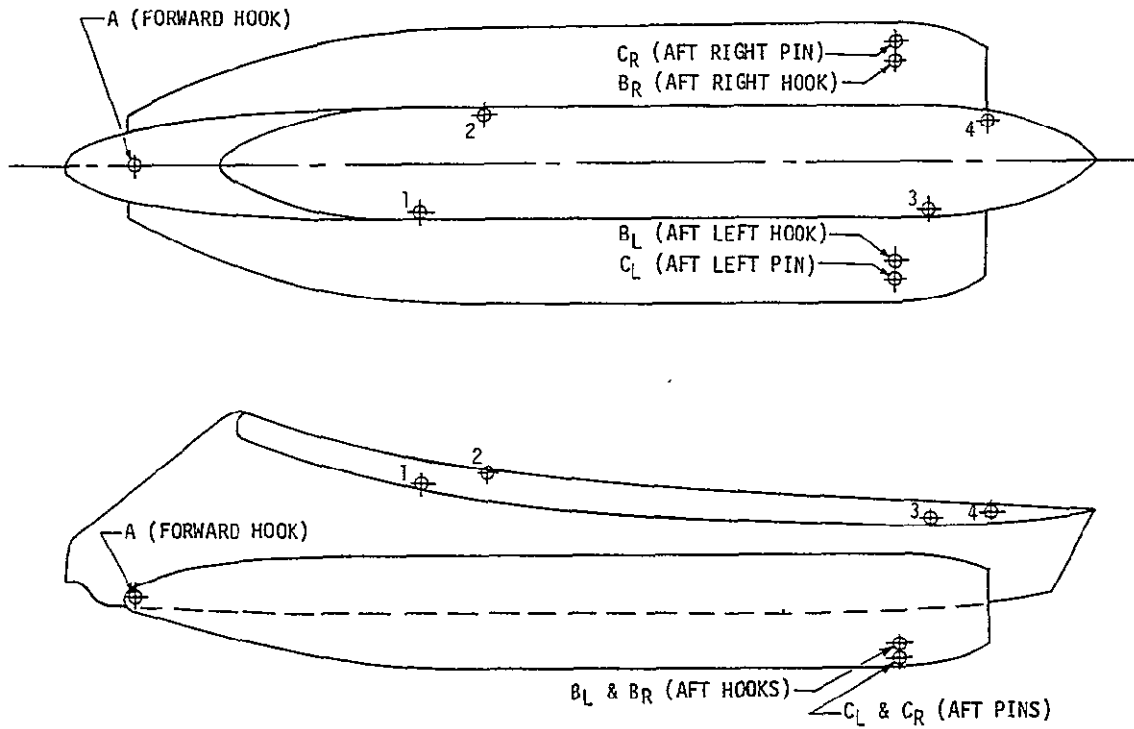
Stiffness Method 1 assumes the side stiffness of the forward hook guide to be one-fourth the fore and aft stiffness of each drag pin. Therefore, the resulting stiffness of the drag pins is 8 times greater than the side stiffness of the front hook guide. The net effect of this assumption is that the drag pins react approximately 15 percent of the DTV yawing moment as a drag force couple while the remaining 85 percent of the DTV yawing moment is reacted as a side force by the forward hook guide. For a complete mathematical description of this approach see Paragraph 2.4 of Reference 3.

Mathematical equations for defining DTV-pylon and pylon-wing interface loadings for DTV Configuration 1 (with fins) using Stiffness Method 1 are defined in Section 2.0, Paragraphs 2.1 and 2.2 of Reference 3. Aerodynamic loading is defined in Section 2.0 of this volume. DTV-pylon and pylon-wing interface loadings for all design conditions including the effect of DTV center of gravity variations are shown in Section 3.0 of this volume. See Table I for the conditions analyzed and Figure 3 for the center of gravity variations evaluated.



DTV CONFIGURATION 1
(WITH FINS) DEFINITION
FIGURE 1

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PYLON LOCATION	PYLON STATION	PYLON BUTTOCK LINE	PYLON WATER LINE
A	20.000	0.000	-1.1875
B _L	231.000	-26.437	-15.1870
B _R	231.000	26.437	-15.1870
C _L	231.000	-31.312	-17.5000
C _R	231.000	31.312	-17.5000
1	98.500	-13.500	28.7930
2	115.625	13.500	29.5210
3	236.342	-13.093	18.9440
4	251.813	11.750	19.2910

PYLON GEOMETRY
FIGURE 2

TABLE I
DESIGN CONDITIONS - PYLON LOADS

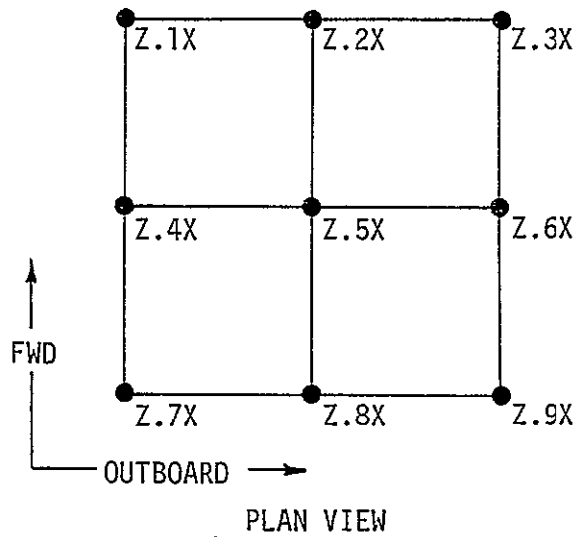
CONDITION NUMBER	n _x +FWD	n _y +LEFT	n _z +DOWN	VELOCITY (KEAS)	ALTITUDE (FEET)	α _{FUS.} (DEGREES)	BETA 		
							(DEGREES)	(DEGREES)	(DEGREES)
1	1.50	0	3.32	203.328	0	14.0	-9.18	0	9.18
2	1.50	0	3.32	260.000	0	4.6	-7.18	0	7.18
3	1.50	0	3.32	247.260	33900.	4.7	-7.55	0	7.55
4	-1.50	0	3.32	203.328	0	14.0	-9.18	0	9.18
5	-1.50	0	3.32	260.000	0	4.6	-7.18	0	7.18
6	-1.50	0	3.32	247.260	33900.	4.7	-7.55	0	7.55
7	0	.56	1.50	143.775	0	14.0	-12.98	0	12.98
8	0	.56	1.50	260.000	0	-5	-7.18	0	7.18
9	0	.56	1.50	247.260	33900.	-9	-7.55	0	7.55
10	0	-.56	1.50	143.775	0	14.0	-12.98	0	12.98
11	0	-.56	1.50	260.000	0	-5	-7.18	0	7.18
12	0	-.56	1.50	247.260	33900.	-9	-7.55	0	7.55
13	1.50	0	-1.53	154.085	0	-15.1	-12.11	0	12.11
14	1.50	0	-1.53	260.000	0	-8.7	-7.18	0	7.18
15	1.50	0	-1.53	247.260	33900.	-10.4	-7.55	0	7.55
16	-1.50	0	-1.53	154.085	0	-15.1	-12.11	0	12.11
17	-1.50	0	-1.53	260.000	0	-8.7	-7.18	0	7.18
18	-1.50	0	-1.53	247.260	33900.	-10.4	-7.55	0	7.55
19	.75	0	3.32	---	---	---	---	---	---
20	-.75	0	3.32	---	---	---	---	---	---
21	0	.42	3.32	---	---	---	---	---	---
22	0	-.42	3.32	---	---	---	---	---	---

$$\beta = (55 / (6080.20 / 3600.)) (57.3) / V_{KEAS} = (32.565 / V_{KEAS}) * 57.3$$

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CONDITION NO.	PYLON STATION	PYLON B.L.	PYLON W.L.
Z.1X	167.56	-0.65	-27.35
Z.2X	167.56	0.00	-27.35
Z.3X	167.56	0.65	-27.35
Z.4X	170.21	-0.65	-27.35
Z.5X	170.21	0.00	-27.35
Z.6X	170.21	0.65	-27.35
Z.7X	172.86	-0.65	-27.35
Z.8X	172.86	0.00	-27.35
Z.9X	172.86	0.65	-27.35

If Z = 1 thru 22, Approximately 85% of Yawing Moment taken by S_A and 15% taken by D_{CL} and D_{CR} as drag couple - Method 1

If X = 0, Beta = 0 Degrees - Taxi Condition

If X = 1, Beta angle is negative

If X = 2, Beta = 0 Degrees

If X = 3, Beta angle is positive

CONDITION NUMBER DEFINITION

FIGURE 3

TABLE II
PYLON LOADS SUMMARY (ULTIMATE)
METHOD 1 CONFIGURATION 1 (WITH FINS)

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
4.33	-57122.6	-47556.0	-52180.0	0.0	0.0	39190.0	41703.4	-2117.1	8121.4
5.11	-55345.6	-54210.4	-49271.6	0.0	0.0	44192.5	41396.6	2355.1	-9795.4
5.33	-55345.6	-49332.0	-54150.0	0.0	0.0	41197.6	44391.5	-2690.4	10398.4
5.93	-51259.4	-51375.1	-56193.2	0.0	0.0	41197.6	44391.5	-2690.4	10398.4
8.93	-20644.0	-17571.7	-34506.2	0.0	0.0	8377.7	3711.4	3930.6	31217.5
11.13	-22490.3	-32826.8	-17404.9	0.0	0.0	398.2	11691.0	-9512.3	-10219.7
16.73	19714.2	0.0	0.0	27287.7	25150.3	38132.9	39613.0	-1246.7	5780.5
16.91	19714.2	0.0	0.0	25132.3	27305.7	39543.1	38202.8	1129.0	-5568.7
17.71	21033.1	0.0	0.0	25267.6	24504.2	44192.5	41396.6	2355.1	-9795.4
17.93	21033.1	0.0	0.0	24453.2	25318.7	41197.6	44391.5	-2690.4	10398.4
21.90	-44825.6	-51605.9	-66248.4	0.0	0.0	2861.9	-2861.9	4821.3	15758.7
22.70	-44825.6	-66248.3	-51605.9	0.0	0.0	-2861.9	2861.9	-4821.3	-15758.7

TABLE II (CONTINUED)
 PYLON LOADS SUMMARY (ULTIMATE)
 METHOD 1 CONFIGURATION 1 (WITH FINS)

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
4.33	60099.7	68780.3	6108.3	25754.6	61353.8	67523.4	4745.1	27120.6
5.11	67417.7	56758.9	28938.9	9596.5	65941.6	58238.3	30543.3	7988.7
5.33	58725.1	69180.6	5733.9	29072.3	60242.5	67659.8	4084.5	30725.2
5.93	55588.3	66043.9	8701.1	32378.7	57105.7	64523.0	7051.7	34031.6
8.93	791.5	50582.2	-33758.6	56861.9	6504.3	44856.5	-39968.3	63084.5
11.13	37338.5	3376.1	44797.3	-11034.8	34008.6	6713.5	48416.9	-14661.9
16.73	-11365.9	-5373.8	-33099.0	-24103.7	-10514.9	-6226.7	-34024.1	-23176.7
16.91	-6315.7	-12557.2	-19911.0	-35158.5	-7152.1	-11718.8	-19001.8	-36069.6
17.71	-5958.6	-12803.3	-18893.9	-34939.2	-6958.5	-11801.3	-17807.1	-36028.3
17.93	-11541.4	-4900.0	-33142.1	-23011.7	-10500.2	-5943.6	-34273.9	-21877.6
21.90	29896.0	62881.6	5535.4	68251.4	33502.5	59266.9	1615.1	72179.8
22.70	57520.9	24535.4	69333.3	15174.7	53914.4	28150.1	73253.5	11246.3

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13

TABLE II (CONTINUED)
 PYLON LOADS SUMMARY (ULTIMATE)
 METHOD 1 CONFIGURATION 1 (WITH FINS)

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
4.33	-73500.0	0.0	162679.9	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
5.11	-73500.0	0.0	162679.9	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.33	-73500.0	0.0	162679.9	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.93	-73500.0	0.0	162679.9	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
8.93	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.13	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
16.73	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.91	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
17.71	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.93	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
21.90	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.70	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01

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15

TABLE II (CONTINUED)
 PYLON LOADS SUMMARY (ULTIMATE)
 METHOD 1 CONFIGURATION 1 (WITH FINS)

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
4.33	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
5.11	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.33	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.93	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
8.93	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.13	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
16.73	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.91	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
17.71	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.93	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
21.90	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.70	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000

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 16

TABLE II (CONTINUED)
PYLON LOADS SUMMARY (ULTIMATE)
METHOD 1 CONFIGURATION 1 (WITH FINS)

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
4.33	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
5.11	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
5.33	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
5.93	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350
8.93	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350
11.13	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
16.73	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
16.91	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
17.71	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
17.93	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
21.90	49000.0	0.00	0.42	3.32	172.860	0.650	-27.350
22.70	49000.0	0.00	-0.42	3.32	172.860	-0.650	-27.350

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17

2.0 ANALYSIS METHOD DESCRIPTION

The method used for determining pylon loading at the drop test vehicle (DTV) and wing attachment interfaces is shown in Section 2.0, Paragraphs 2.1 and 2.2 of Reference 3.0. The stiffnesses assumed for solution are shown in Paragraph 2.4 of Reference 3.0. The expressions for ultimate aerodynamic lift, drag, side force and yawing moment are defined as follows:

$$P_x \text{ (Drag)} = 1.5 * (q * S * .008792)$$

$$P_y \text{ (Side Force)} = 1.5 * (q * S * (-.00009734 - .00076719 * \beta))$$

$$P_z \text{ (Lift)} = 1.5 * (q * S * (.00078500 + .00043839 * \alpha_{FUS}))$$

$$M_y \text{ (Pitching Moment)} = 1.5 * (q * S * \bar{c} * (-.00026260 - .00031890 * \alpha_{FUS}))$$

$$M_z \text{ (Yawing Moment)} = 1.5 * (q * S * \bar{c} * (.00013130 + .00038190 * \beta))$$

where

q = Dynamic pressure, PSF

S = 4000 sq. ft.

$\bar{c}$ = 275.5 inches

$\alpha_{FUS.}$ = Fuselage angle of attack, degrees

β = Airplane yaw angle, degrees.

3.0 RESULTS

The ultimate pylon loadings at the drop test vehicle (DTV) - pylon and pylon-wing interface attach points are given for 22 DTV Configuration 1 (with fins) flight and ground handling load conditions. These loadings, tabulated in Figures III through XXI, were determined using the Stiffness Method 1 solution technique. For a summary of critical finned DTV Configuration 1 loadings see Table II in this volume. In addition, see Table I and Figure 3 of this volume to determine specifics about the condition numbering system used in these analysis results.

TABLE III
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 1

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
1.11	-50260.3	-55766.9	-50831.5	0.0	0.0	-32146.8	-33959.7	1527.0	-7367.6
1.21	-50260.3	-53707.6	-52890.7	0.0	0.0	-32032.6	-34074.0	1719.5	-7560.1
1.31	-50260.3	-51648.3	-54950.0	0.0	0.0	-31918.3	-34188.3	1912.1	-7752.6
1.41	-48217.1	-56788.5	-51853.0	0.0	0.0	-32146.8	-33959.7	1527.0	-7367.6
1.51	-48217.1	-54729.2	-53912.3	0.0	0.0	-32032.6	-34074.0	1719.5	-7560.1
1.61	-48217.1	-52669.9	-55971.6	0.0	0.0	-31918.3	-34188.3	1912.1	-7752.6
1.71	-46174.0	-57810.0	-52874.6	0.0	0.0	-32146.8	-33959.7	1527.0	-7367.6
1.81	-46174.0	-55750.8	-54933.9	0.0	0.0	-32032.6	-34074.0	1719.5	-7560.1
1.91	-46174.0	-53691.5	-56993.1	0.0	0.0	-31918.3	-34188.3	1912.1	-7752.6
1.12	-50260.3	-55376.9	-51221.4	0.0	0.0	-33228.4	-32878.2	-295.0	376.9
1.22	-50260.3	-53317.7	-53280.7	0.0	0.0	-33114.1	-32992.4	-102.5	184.4
1.32	-50260.3	-51258.4	-55340.0	0.0	0.0	-32999.9	-33106.7	90.0	-8.1
1.42	-48217.1	-56398.5	-52243.0	0.0	0.0	-33228.4	-32878.2	-295.0	376.9
1.52	-48217.1	-54339.2	-54302.3	0.0	0.0	-33114.1	-32992.4	-102.5	184.4
1.62	-48217.1	-52280.0	-56361.5	0.0	0.0	-32999.9	-33106.7	90.0	-8.1
1.72	-46174.0	-57420.1	-53264.5	0.0	0.0	-33228.4	-32878.2	-295.0	376.9
1.82	-46174.0	-55360.8	-55323.8	0.0	0.0	-33114.1	-32992.4	-102.5	184.4
1.92	-46174.0	-53301.5	-57383.1	0.0	0.0	-32999.9	-33106.7	90.0	-8.1
1.13	-50260.3	-54987.0	-51611.4	0.0	0.0	-34310.0	-31796.6	-2117.1	8121.4
1.23	-50260.3	-52927.7	-53670.6	0.0	0.0	-34195.7	-31910.9	-1924.6	7928.9
1.33	-50260.3	-50868.4	-55729.9	0.0	0.0	-34081.4	-32025.1	-1732.1	7736.4
1.43	-48217.1	-56008.6	-52632.9	0.0	0.0	-34310.0	-31796.6	-2117.1	8121.4
1.53	-48217.1	-53949.3	-54692.2	0.0	0.0	-34195.7	-31910.9	-1924.6	7928.9
1.63	-48217.1	-51890.0	-56751.5	0.0	0.0	-34081.4	-32025.1	-1732.1	7736.4
1.73	-46174.0	-57030.2	-53654.5	0.0	0.0	-34310.0	-31796.6	-2117.1	8121.4
1.83	-46174.0	-54970.9	-55713.7	0.0	0.0	-34195.7	-31910.9	-1924.6	7928.9
1.93	-46174.0	-52911.6	-57773.0	0.0	0.0	-34081.4	-32025.1	-1732.1	7736.4

03-11220-2
20

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TABLE III (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 1

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
1.11	42425.9	33529.5	49104.3	35683.4	41197.2	34761.0	50439.9	34344.9
1.21	41304.7	35148.8	45960.6	38328.9	40401.9	36053.6	46941.9	37345.6
1.31	40183.5	36768.1	42817.0	40974.5	39606.7	37346.2	43443.9	40346.2
1.41	40857.6	31961.1	50587.9	37336.6	39628.8	33192.6	51923.6	35998.1
1.51	39736.3	33580.4	47444.2	39982.1	38833.5	34485.2	48425.6	38998.8
1.61	38615.1	35199.8	44300.6	42627.7	38038.3	35777.8	44927.5	41999.4
1.71	39289.2	30392.7	52071.5	38989.7	38060.4	31624.2	53407.2	37651.3
1.81	38167.9	32012.0	48927.9	41635.3	37265.2	32916.8	49909.2	40651.9
1.91	37046.7	33631.3	45784.2	44280.8	36469.9	34209.4	46411.2	43652.6
1.12	39815.3	37233.6	42368.1	41326.1	39502.0	37547.7	42708.7	40984.8
1.22	38694.1	38853.0	39224.5	43971.6	38706.8	38840.3	39210.7	43985.4
1.32	37572.9	40472.3	36080.8	46617.2	37911.5	40132.9	35712.7	46986.0
1.42	38246.9	35665.2	43851.7	42979.3	37933.6	35979.3	44192.3	42638.0
1.52	37125.7	37284.6	40708.1	45624.8	37138.4	37271.9	40694.3	45638.6
1.62	36004.5	38903.9	37564.4	48270.3	36343.1	38564.5	37196.3	48639.2
1.72	36678.5	34096.8	45335.3	44632.4	36365.2	34410.9	45675.9	44291.1
1.82	35557.3	35716.1	42191.7	47278.0	35570.0	35703.4	42178.0	47291.7
1.92	34436.1	37335.5	39048.0	49923.5	34774.7	36996.1	38679.9	50292.4
1.13	37204.7	40937.7	35631.9	46968.7	37806.8	40334.3	34977.5	47624.6
1.23	36083.5	42557.1	32488.3	49614.3	37011.6	41626.9	31479.5	50625.2
1.33	34962.2	44176.4	29344.6	52259.8	36216.3	42919.5	27981.4	53625.8
1.43	35636.3	39369.3	37115.5	48621.9	36238.4	38765.9	36461.1	49277.7
1.53	34515.1	40988.7	33971.9	51267.5	35443.2	40058.5	32963.1	52278.4
1.63	33393.8	42608.0	30828.2	53913.0	34647.9	41351.1	29465.0	55279.0
1.73	34067.9	37800.9	38599.2	50275.1	34670.0	37197.5	37944.7	50930.9
1.83	32946.7	39420.2	35455.5	52920.6	33874.8	38490.1	34446.7	53931.5
1.93	31825.4	41039.6	32311.8	55566.2	33079.5	39782.7	30948.7	56932.2

TABLE III (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 1

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
1.11	-1270.5	-1270.5	4190.8	4190.8	33930.8	33930.8
1.21	-1444.9	-1444.9	4365.2	4365.2	33930.8	33930.8
1.31	-1619.2	-1619.2	4539.5	4539.5	33930.8	33930.8
1.41	-1270.5	-1270.5	4190.8	4190.8	33930.8	33930.8
1.51	-1444.9	-1444.9	4365.2	4365.2	33930.8	33930.8
1.61	-1619.2	-1619.2	4539.5	4539.5	33930.8	33930.8
1.71	-1270.5	-1270.5	4190.8	4190.8	33930.8	33930.8
1.81	-1444.9	-1444.9	4365.2	4365.2	33930.8	33930.8
1.91	-1619.2	-1619.2	4539.5	4539.5	33930.8	33930.8
1.12	97.0	97.0	-137.9	-137.9	33930.8	33930.8
1.22	-77.4	-77.4	36.4	36.4	33930.8	33930.8
1.32	-251.7	-251.7	210.8	210.8	33930.8	33930.8
1.42	97.0	97.0	-137.9	-137.9	33930.8	33930.8
1.52	-77.4	-77.4	36.4	36.4	33930.8	33930.8
1.62	-251.7	-251.7	210.8	210.8	33930.8	33930.8
1.72	97.0	97.0	-137.9	-137.9	33930.8	33930.8
1.82	-77.4	-77.4	36.4	36.4	33930.8	33930.8
1.92	-251.7	-251.7	210.8	210.8	33930.8	33930.8
1.13	1464.5	1464.5	-4466.6	-4466.6	33930.8	33930.8
1.23	1290.1	1290.1	-4292.3	-4292.3	33930.8	33930.8
1.33	1115.8	1115.8	-4118.0	-4118.0	33930.8	33930.8
1.43	1464.5	1464.5	-4466.6	-4466.6	33930.8	33930.8
1.53	1290.1	1290.1	-4292.3	-4292.3	33930.8	33930.8
1.63	1115.8	1115.8	-4118.0	-4118.0	33930.8	33930.8
1.73	1464.5	1464.5	-4466.6	-4466.6	33930.8	33930.8
1.83	1290.1	1290.1	-4292.3	-4292.3	33930.8	33930.8
1.93	1115.8	1115.8	-4118.0	-4118.0	33930.8	33930.8

D3-11220-2
22

TABLE III (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FIN) CONDITION 1

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FIN

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
1.11	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.21	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.31	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.41	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.51	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.61	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.71	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.81	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.91	73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
1.12	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.22	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.32	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.42	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.52	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.62	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.72	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.82	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.92	73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
1.13	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.23	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.33	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.43	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.53	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.63	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.73	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.83	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
1.93	73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05

D3-11220-2
 23

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TABLE III (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 1

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
1.11	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.21	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.31	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.41	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.51	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.61	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.71	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.81	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.91	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
1.12	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.22	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.32	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.42	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.52	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.62	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.72	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.82	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.92	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
1.13	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.23	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.33	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.43	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.53	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.63	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.73	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.83	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
1.93	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180

D3-11220-2
24

TABLE III (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 1

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
1.11	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
1.21	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
1.31	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
1.41	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
1.51	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
1.61	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
1.71	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
1.81	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
1.91	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350
1.12	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
1.22	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
1.32	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
1.42	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
1.52	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
1.62	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
1.72	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
1.82	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
1.92	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350
1.13	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
1.23	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
1.33	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
1.43	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
1.53	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
1.63	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
1.73	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
1.83	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
1.93	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350

D3-11220-2
25

TABLE IV
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 2

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
2.11	-48483.3	-57760.4	-52584.0	0.0	0.0	-29536.0	-31874.8	1970.1	-9410.4
2.21	-48483.3	-55701.1	-54643.3	0.0	0.0	-29421.7	-31989.1	2162.6	-9602.9
2.31	-48483.3	-53641.8	-56702.6	0.0	0.0	-29307.4	-32103.4	2355.1	-9795.4
2.41	-46440.2	-58781.9	-53605.6	0.0	0.0	-29536.0	-31874.8	1970.1	-9410.4
2.51	-46440.2	-56722.7	-55664.8	0.0	0.0	-29421.7	-31989.1	2162.6	-9602.9
2.61	-46440.2	-54663.4	-57724.1	0.0	0.0	-29307.4	-32103.4	2355.1	-9795.4
2.71	-44397.1	-59803.5	-54627.2	0.0	0.0	-29536.0	-31874.8	1970.1	-9410.4
2.81	-44397.1	-57744.2	-56686.4	0.0	0.0	-29421.7	-31989.1	2162.6	-9602.9
2.91	-44397.1	-55685.0	-58745.7	0.0	0.0	-29307.4	-32103.4	2355.1	-9795.4
2.12	-48483.3	-57261.6	-53082.7	0.0	0.0	-30919.2	-30491.6	-360.1	494.0
2.22	-48483.3	-55202.4	-55142.0	0.0	0.0	-30804.9	-30605.9	-167.6	301.5
2.32	-48483.3	-53143.1	-57201.3	0.0	0.0	-30690.6	-30720.2	24.9	109.0
2.42	-46440.2	-58283.2	-54104.3	0.0	0.0	-30919.2	-30491.6	-360.1	494.0
2.52	-46440.2	-56224.0	-56163.5	0.0	0.0	-30804.9	-30605.9	-167.6	301.5
2.62	-46440.2	-54164.7	-58222.8	0.0	0.0	-30690.6	-30720.2	24.9	109.0
2.72	-44397.1	-59304.8	-55125.9	0.0	0.0	-30919.2	-30491.6	-360.1	494.0
2.82	-44397.1	-57245.5	-57185.2	0.0	0.0	-30804.9	-30605.9	-167.6	301.5
2.92	-44397.1	-55186.2	-59244.4	0.0	0.0	-30690.6	-30720.2	24.9	109.0
2.13	-48483.3	-56762.9	-53581.4	0.0	0.0	-32302.4	-29108.4	-2690.4	10398.4
2.23	-48483.3	-54703.7	-55640.7	0.0	0.0	-32188.1	-29222.7	-2497.9	10205.9
2.33	-48483.3	-52644.4	-57700.0	0.0	0.0	-32073.9	-29337.0	-2305.4	10013.4
2.43	-46440.2	-57784.5	-54603.0	0.0	0.0	-32302.4	-29108.4	-2690.4	10398.4
2.53	-46440.2	-55725.2	-56662.3	0.0	0.0	-32188.1	-29222.7	-2497.9	10205.9
2.63	-46440.2	-53665.9	-58721.6	0.0	0.0	-32073.9	-29337.0	-2305.4	10013.4
2.73	-44397.1	-58806.1	-55624.6	0.0	0.0	-32302.4	-29108.4	-2690.4	10398.4
2.83	-44397.1	-56746.8	-57683.9	0.0	0.0	-32188.1	-29222.7	-2497.9	10205.9
2.93	-44397.1	-54687.5	-59743.2	0.0	0.0	-32073.9	-29337.0	-2305.4	10013.4

TABLE IV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 2

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
2.11	42507.6	31863.7	52487.3	35853.6	41031.5	33343.1	54091.7	34245.8
2.21	41386.4	33483.1	49343.7	38499.1	40236.3	34635.8	50593.7	37246.4
2.31	40265.1	35102.4	46200.0	41144.7	39441.1	35928.4	47095.7	40247.1
2.41	40939.2	30295.3	53970.9	37506.8	39463.1	31774.7	55575.4	35899.0
2.51	39817.9	31914.7	50827.3	40152.3	38667.9	33067.3	52077.4	38899.6
2.61	38696.7	33534.0	47683.6	42797.9	37872.7	34360.0	48579.3	41900.3
2.71	39370.7	28726.9	55454.5	39160.0	37894.7	30206.3	57059.0	37552.2
2.81	38249.5	30346.3	52310.9	41805.5	37099.5	31498.9	53561.0	40552.9
2.91	37128.3	31965.6	49167.2	44451.1	36304.2	32791.5	50063.0	43553.5
2.12	39168.8	36600.9	43872.4	43070.0	38863.5	36906.9	44204.2	42737.4
2.22	38047.6	38220.3	40728.8	45715.5	38068.3	38199.5	40706.3	45738.0
2.32	36926.4	39839.6	37585.1	48361.1	37273.1	39492.2	37208.3	48738.7
2.42	37600.4	35032.5	45356.0	44723.2	37295.1	35338.5	45687.9	44390.6
2.52	36479.2	36651.9	42212.4	47368.7	36499.9	36631.1	42189.9	47391.2
2.62	35358.0	38271.2	39068.7	50014.3	35704.7	37923.7	38691.9	50391.9
2.72	36032.0	33464.1	46839.6	46376.4	35726.7	33770.1	47171.5	46043.9
2.82	34910.8	35083.5	43696.0	49021.9	34931.5	35062.7	43673.5	49044.5
2.92	33789.6	36702.8	40552.3	51667.5	34136.3	36355.3	40175.5	52045.1
2.13	35830.1	41338.2	35257.5	50286.4	36695.6	40470.8	34316.8	51229.1
2.23	34708.9	42957.5	32113.9	52931.9	35900.3	41763.4	30818.8	54229.7
2.33	33587.6	44576.8	28970.2	55577.5	35105.1	43055.9	27320.8	57230.3
2.43	34261.7	39769.8	36741.1	51939.6	35127.2	38902.4	35800.4	52882.3
2.53	33140.5	41389.1	33597.5	54585.1	34331.9	40194.9	32302.4	55882.9
2.63	32019.2	43008.4	30453.8	57230.7	33536.7	41487.5	28804.4	58883.5
2.73	32693.3	38201.3	38224.7	53592.8	33558.7	37333.9	37284.0	54535.5
2.83	31572.1	39820.7	35081.1	56238.3	32763.5	38626.5	33786.1	57536.1
2.93	30450.8	41440.0	31937.4	58883.9	31968.3	39919.1	30288.0	60536.8

TABLE IV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 2

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
2.11	-1583.9	-1583.9	5304.1	5304.1	31582.9	31582.9
2.21	-1758.3	-1758.3	5478.4	5478.4	31582.9	31582.9
2.31	-1932.6	-1932.6	5652.8	5652.8	31582.9	31582.9
2.41	-1583.9	-1583.9	5304.1	5304.1	31582.9	31582.9
2.51	-1758.3	-1758.3	5478.4	5478.4	31582.9	31582.9
2.61	-1932.6	-1932.6	5652.8	5652.8	31582.9	31582.9
2.71	-1583.9	-1583.9	5304.1	5304.1	31582.9	31582.9
2.81	-1758.3	-1758.3	5478.4	5478.4	31582.9	31582.9
2.91	-1932.6	-1932.6	5652.8	5652.8	31582.9	31582.9
2.12	165.0	165.0	-231.9	-231.9	31582.9	31582.9
2.22	-9.4	-9.4	-57.6	-57.6	31582.9	31582.9
2.32	-183.7	-183.7	116.8	116.8	31582.9	31582.9
2.42	165.0	165.0	-231.9	-231.9	31582.9	31582.9
2.52	-9.4	-9.4	-57.6	-57.6	31582.9	31582.9
2.62	-183.7	-183.7	116.8	116.8	31582.9	31582.9
2.72	165.0	165.0	-231.9	-231.9	31582.9	31582.9
2.82	-9.4	-9.4	-57.6	-57.6	31582.9	31582.9
2.92	-183.7	-183.7	116.8	116.8	31582.9	31582.9
2.13	1913.9	1913.9	-5767.9	-5767.9	31582.9	31582.9
2.23	1739.5	1739.5	-5593.5	-5593.5	31582.9	31582.9
2.33	1565.2	1565.2	-5419.2	-5419.2	31582.9	31582.9
2.43	1913.9	1913.9	-5767.9	-5767.9	31582.9	31582.9
2.53	1739.5	1739.5	-5593.5	-5593.5	31582.9	31582.9
2.63	1565.2	1565.2	-5419.2	-5419.2	31582.9	31582.9
2.73	1913.9	1913.9	-5767.9	-5767.9	31582.9	31582.9
2.83	1739.5	1739.5	-5593.5	-5593.5	31582.9	31582.9
2.93	1565.2	1565.2	-5419.2	-5419.2	31582.9	31582.9

D3-11220-2
28

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OF POOR QUALITY

TABLE IV (CONTINUED)
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FIN) CONDITION 2

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FIN

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
2.11	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.21	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.31	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.41	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.51	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.61	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.71	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.81	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.91	73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
2.12	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.22	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.32	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.42	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.52	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.62	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.72	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.82	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.92	73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
2.13	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.23	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.33	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.43	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.53	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.63	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.73	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.83	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
2.93	73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06

TABLE IV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 2

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT*3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
2.11	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.21	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.31	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.41	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.51	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.61	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.71	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.81	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.91	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
2.12	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.22	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.32	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.42	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.52	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.62	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.72	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.82	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.92	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
2.13	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.23	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.33	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.43	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.53	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.63	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.73	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.83	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
2.93	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180

D3-11220-2
30

TABLE IV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 2

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
2.11	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
2.21	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
2.31	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
2.41	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
2.51	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
2.61	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
2.71	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
2.81	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
2.91	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350
2.12	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
2.22	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
2.32	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
2.42	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
2.52	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
2.62	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
2.72	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
2.82	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
2.92	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350
2.13	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
2.23	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
2.33	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
2.43	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
2.53	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
2.63	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
2.73	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
2.83	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
2.93	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350

D3-11220-2
 31

TABLE V
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 3

PYLON HOOK LOADS - ULTIMATE
PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)
CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
3.11	-48242.6	-58010.3	-52888.6	0.0	0.0	-30172.1	-32394.4	1871.9	-8954.0
3.21	-48242.6	-55951.0	-54947.9	0.0	0.0	-30057.8	-32508.7	2064.5	-9146.5
3.31	-48242.6	-53891.7	-57007.1	0.0	0.0	-29943.6	-32623.0	2257.0	-9339.0
3.41	-46199.5	-59031.9	-53910.1	0.0	0.0	-30172.1	-32394.4	1871.9	-8954.0
3.51	-46199.5	-56972.6	-55969.4	0.0	0.0	-30057.8	-32508.7	2064.5	-9146.5
3.61	-46199.5	-54913.3	-58028.7	0.0	0.0	-29943.6	-32623.0	2257.0	-9339.0
3.71	-44156.3	-60053.4	-54931.7	0.0	0.0	-30172.1	-32394.4	1871.9	-8954.0
3.81	-44156.3	-57994.2	-56991.0	0.0	0.0	-30057.8	-32508.7	2064.5	-9146.5
3.91	-44156.3	-55934.9	-59050.3	0.0	0.0	-29943.6	-32623.0	2257.0	-9339.0
3.12	-48242.6	-57536.0	-53362.9	0.0	0.0	-31487.5	-31079.0	-344.1	465.2
3.22	-48242.6	-55476.8	-55422.1	0.0	0.0	-31373.3	-31193.3	-151.6	272.7
3.32	-48242.6	-53417.4	-57481.4	0.0	0.0	-31259.0	-31307.6	40.9	80.2
3.42	-46199.5	-58557.6	-54384.4	0.0	0.0	-31487.5	-31079.0	-344.1	465.2
3.52	-46199.5	-56498.3	-56443.7	0.0	0.0	-31373.3	-31193.3	-151.6	272.7
3.62	-46199.5	-54439.0	-58503.0	0.0	0.0	-31259.0	-31307.6	40.9	80.2
3.72	-44156.3	-59579.2	-55406.0	0.0	0.0	-31487.5	-31079.0	-344.1	465.2
3.82	-44156.3	-57519.9	-57465.2	0.0	0.0	-31373.3	-31193.3	-151.6	272.7
3.92	-44156.3	-55460.6	-59524.5	0.0	0.0	-31259.0	-31307.6	40.9	80.2
3.13	-48242.6	-57061.7	-53837.2	0.0	0.0	-32803.0	-29763.6	-2560.2	9884.3
3.23	-48242.6	-55002.5	-55896.4	0.0	0.0	-32688.7	-29877.8	-2367.7	9691.8
3.33	-48242.6	-52943.2	-57955.7	0.0	0.0	-32574.4	-29992.1	-2175.2	9499.3
3.43	-46199.5	-58083.3	-54858.7	0.0	0.0	-32803.0	-29763.6	-2560.2	9884.3
3.53	-46199.5	-56024.0	-56918.0	0.0	0.0	-32688.7	-29877.8	-2367.7	9691.8
3.63	-46199.5	-53964.8	-58977.3	0.0	0.0	-32574.4	-29992.1	-2175.2	9499.3
3.73	-44156.3	-59104.9	-55880.3	0.0	0.0	-32803.0	-29763.6	-2560.2	9884.3
3.83	-44156.3	-57045.6	-57939.5	0.0	0.0	-32688.7	-29877.8	-2367.7	9691.8
3.93	-44156.3	-54986.3	-59998.8	0.0	0.0	-32574.4	-29992.1	-2175.2	9499.3

D3-11220-2
32

TABLE V (CONTINUED)
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 3

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
3.11	42021.8	31770.3	52527.8	36706.1	40601.1	33194.1	54072.1	35158.6
3.21	40900.5	33389.6	49384.2	39351.6	39805.9	34486.7	50574.1	38159.2
3.31	39779.3	35008.9	46240.6	41997.1	39010.7	35779.3	47076.1	41159.9
3.41	40453.4	30201.8	54011.5	38359.2	39032.7	31625.7	55555.7	36811.8
3.51	39332.1	31821.1	50867.9	41004.8	38237.5	32918.3	52057.8	39812.4
3.61	38210.9	33440.5	47724.2	43650.3	37442.3	34210.9	48559.7	42813.0
3.71	38885.0	28633.4	55495.1	40012.4	37464.3	30057.3	57039.3	38465.0
3.81	37763.7	30252.7	52351.5	42658.0	36669.1	31349.9	53541.4	41465.6
3.91	36642.5	31872.1	49207.8	45303.5	35873.9	32642.5	50043.4	44466.2
3.12	38846.6	36275.3	44335.1	43568.9	38539.3	36583.3	44669.1	43234.2
3.22	37725.4	37894.6	41191.4	46214.4	37744.1	37875.9	41171.1	46234.8
3.32	36604.1	39514.0	38047.7	48860.0	36948.9	39168.5	37673.1	49235.5
3.42	37278.2	34706.9	45818.7	45222.1	36970.9	35014.9	46152.7	44887.4
3.52	36157.0	36326.2	42675.1	47867.6	36175.7	36307.5	42654.8	47888.0
3.62	35035.8	37945.6	39531.4	50513.2	35380.5	37600.1	39156.7	50888.6
3.72	35709.8	33138.5	47302.3	46875.3	35402.5	33446.5	47636.3	46540.6
3.82	34588.6	34757.8	44158.7	49520.8	34607.3	34739.1	44138.4	49541.1
3.92	33467.4	36377.2	41015.0	52166.4	33812.1	36031.7	40640.3	52541.8
3.13	35671.5	40780.5	36142.2	50431.8	36477.6	39972.6	35266.0	51309.8
3.23	34550.3	42399.8	32998.6	53077.3	35682.4	41265.1	31768.0	54310.4
3.33	33429.0	44019.1	29854.9	55722.8	34887.1	42557.8	28270.0	57311.1
3.43	34103.1	39212.1	37625.9	52084.9	34909.2	38404.1	36749.6	52963.0
3.53	32981.9	40831.4	34482.2	54730.5	34114.0	39696.7	33251.7	55963.6
3.63	31860.6	42450.7	31338.6	57376.0	33318.7	40989.3	29753.7	58964.2
3.73	32534.6	37643.6	39109.5	53738.1	33340.8	36835.7	38233.3	54616.2
3.83	31413.4	39262.9	35965.9	56383.6	32545.5	38128.3	34735.3	57616.8
3.93	30292.2	40882.3	32822.2	59029.2	31750.3	39420.9	31237.3	60617.4

TABLE V (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) . CONDITION 3

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
3.11	-1515.0	-1515.0	5056.0	5056.0	32160.8	32160.8
3.21	-1689.3	-1689.3	5230.3	5230.3	32160.8	32160.8
3.31	-1863.6	-1863.6	5404.7	5404.7	32160.8	32160.8
3.41	-1515.0	-1515.0	5056.0	5056.0	32160.8	32160.8
3.51	-1689.3	-1689.3	5230.3	5230.3	32160.8	32160.8
3.61	-1863.6	-1863.6	5404.7	5404.7	32160.8	32160.8
3.71	-1515.0	-1515.0	5056.0	5056.0	32160.8	32160.8
3.81	-1689.3	-1689.3	5230.3	5230.3	32160.8	32160.8
3.91	-1863.6	-1863.6	5404.7	5404.7	32160.8	32160.8
3.12	148.2	148.2	-208.8	-208.8	32160.8	32160.8
3.22	-26.1	-26.1	-34.4	-34.4	32160.8	32160.8
3.32	-200.4	-200.4	139.9	139.9	32160.8	32160.8
3.42	148.2	148.2	-208.8	-208.8	32160.8	32160.8
3.52	-26.1	-26.1	-34.4	-34.4	32160.8	32160.8
3.62	-200.4	-200.4	139.9	139.9	32160.8	32160.8
3.72	148.2	148.2	-208.8	-208.8	32160.8	32160.8
3.82	-26.1	-26.1	-34.4	-34.4	32160.8	32160.8
3.92	-200.4	-200.4	139.9	139.9	32160.8	32160.8
3.13	1811.5	1811.5	-5473.5	-5473.5	32160.8	32160.8
3.23	1637.1	1637.1	-5299.2	-5299.2	32160.8	32160.8
3.33	1462.8	1462.8	-5124.8	-5124.8	32160.8	32160.8
3.43	1811.5	1811.5	-5473.5	-5473.5	32160.8	32160.8
3.53	1637.1	1637.1	-5299.2	-5299.2	32160.8	32160.8
3.63	1462.8	1462.8	-5124.8	-5124.8	32160.8	32160.8
3.73	1811.5	1811.5	-5473.5	-5473.5	32160.8	32160.8
3.83	1637.1	1637.1	-5299.2	-5299.2	32160.8	32160.8
3.93	1462.8	1462.8	-5124.8	-5124.8	32160.8	32160.8

D3-11220-2
34

TABLE V (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 3

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
3.11	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.21	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.31	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.41	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.51	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.61	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.71	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.81	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.91	73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
3.12	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.22	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.32	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.42	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.52	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.62	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.72	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.82	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.92	73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
3.13	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.23	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.33	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.43	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.53	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.63	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.73	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.83	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
3.93	73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06

03-11220-2

TABLE V (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 3

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT*3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
3.11	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.21	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.31	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.41	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.51	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.61	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.71	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.81	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.91	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
3.12	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.22	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.32	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.42	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.52	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.62	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.72	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.82	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.92	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
3.13	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.23	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.33	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.43	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.53	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.63	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.73	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.83	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
3.93	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550

03-11220-2

36

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TABLE V (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 3

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
3.11	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
3.21	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
3.31	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
3.41	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
3.51	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
3.61	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
3.71	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
3.81	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
3.91	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350
3.12	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
3.22	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
3.32	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
3.42	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
3.52	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
3.62	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
3.72	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
3.82	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
3.92	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350
3.13	49000.0	1.50	0.00	3.32	167.560	-0.650	-27.350
3.23	49000.0	1.50	0.00	3.32	167.560	0.000	-27.350
3.33	49000.0	1.50	0.00	3.32	167.560	0.650	-27.350
3.43	49000.0	1.50	0.00	3.32	170.210	-0.650	-27.350
3.53	49000.0	1.50	0.00	3.32	170.210	0.000	-27.350
3.63	49000.0	1.50	0.00	3.32	170.210	0.650	-27.350
3.73	49000.0	1.50	0.00	3.32	172.860	-0.650	-27.350
3.83	49000.0	1.50	0.00	3.32	172.860	0.000	-27.350
3.93	49000.0	1.50	0.00	3.32	172.860	0.650	-27.350

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D3-11220-2

37

TABLE VI
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 4

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
4.11	-57122.6	-52217.0	-47519.1	0.0	0.0	41581.7	39311.7	1912.1	-7752.6
4.21	-57122.6	-50276.5	-49459.6	0.0	0.0	41467.4	39426.0	1719.5	-7560.1
4.31	-57122.6	-48336.0	-51400.1	0.0	0.0	41353.1	39540.3	1527.0	-7367.6
4.41	-55079.5	-53238.5	-48540.7	0.0	0.0	41581.7	39311.7	1912.1	-7752.6
4.51	-55079.5	-51298.0	-50481.2	0.0	0.0	41467.4	39426.0	1719.5	-7560.1
4.61	-55079.5	-49357.5	-52421.7	0.0	0.0	41353.1	39540.3	1527.0	-7367.6
4.71	-53036.3	-54260.1	-49562.2	0.0	0.0	41581.7	39311.7	1912.1	-7752.6
4.81	-53036.3	-52319.6	-51502.7	0.0	0.0	41467.4	39426.0	1719.5	-7560.1
4.91	-53036.3	-50379.1	-53443.2	0.0	0.0	41353.1	39540.3	1527.0	-7367.6
4.12	-57122.6	-51827.0	-47909.1	0.0	0.0	40500.1	40393.3	90.0	-8.1
4.22	-57122.6	-49886.5	-49849.5	0.0	0.0	40385.8	40507.5	-102.5	184.4
4.32	-57122.6	-47946.0	-51790.1	0.0	0.0	40271.6	40621.8	-295.0	376.9
4.42	-55079.5	-52848.6	-48930.6	0.0	0.0	40500.1	40393.3	90.0	-8.1
4.52	-55079.5	-50908.1	-50871.1	0.0	0.0	40385.8	40507.5	-102.5	184.4
4.62	-55079.5	-48967.6	-52811.6	0.0	0.0	40271.6	40621.8	-295.0	376.9
4.72	-53036.3	-53870.1	-49952.2	0.0	0.0	40500.1	40393.3	90.0	-8.1
4.82	-53036.3	-51929.6	-51892.7	0.0	0.0	40385.8	40507.5	-102.5	184.4
4.92	-53036.3	-49989.1	-53833.2	0.0	0.0	40271.6	40621.8	-295.0	376.9
4.13	-57122.6	-51437.1	-48299.0	0.0	0.0	39418.5	41474.8	-1732.1	7736.4
4.23	-57122.6	-49496.6	-50239.5	0.0	0.0	39304.3	41589.1	-1924.6	7928.9
4.33	-57122.6	-47556.1	-52180.0	0.0	0.0	39190.0	41703.4	-2117.1	8121.4
4.43	-55079.5	-52458.6	-49320.6	0.0	0.0	39418.5	41474.8	-1732.1	7736.4
4.53	-55079.5	-50518.1	-51261.0	0.0	0.0	39304.3	41589.1	-1924.6	7928.9
4.63	-55079.5	-48577.6	-53201.5	0.0	0.0	39190.0	41703.4	-2117.1	8121.4
4.73	-53036.3	-53480.2	-50342.1	0.0	0.0	39418.5	41474.8	-1732.1	7736.4
4.83	-53036.3	-51539.7	-52282.6	0.0	0.0	39304.3	41589.1	-1924.6	7928.9
4.93	-53036.3	-49599.2	-54223.1	0.0	0.0	39190.0	41703.4	-2117.1	8121.4

D3-11220-2
38

TABLE VI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 4

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
4.11	67336.1	58424.7	25555.9	9426.3	66107.3	59656.2	26891.6	8087.9
4.21	66328.6	59898.4	22568.3	11947.8	65425.8	60803.2	23549.6	10964.4
4.31	65521.0	61372.0	19580.7	14469.3	64744.2	61950.1	20207.7	13841.0
4.41	65767.7	56856.3	27039.5	11079.5	64538.9	58087.8	28375.2	9741.1
4.51	64760.1	58329.9	24051.9	13601.0	63857.4	59234.8	25033.2	12617.6
4.61	63752.6	59803.6	21064.3	16122.5	63175.8	60381.7	21691.3	15494.2
4.71	64199.3	55287.9	28523.1	12732.7	62970.5	56519.4	29858.8	11394.2
4.81	63191.7	56761.5	25535.5	15254.2	62289.0	57666.4	26516.8	14270.8
4.91	62184.2	58235.2	22547.9	17775.7	61607.4	58813.3	23174.9	17147.4
4.12	64725.5	62128.8	18819.7	15069.0	64412.1	62442.8	19160.3	14727.7
4.22	63717.9	63602.4	15832.1	17590.5	63730.6	63589.8	15818.4	17604.3
4.32	62710.3	65076.1	12844.5	20112.0	63049.0	64736.7	12476.4	20480.9
4.42	63157.1	60560.4	20303.3	16722.2	62843.7	60874.4	20643.9	16380.9
4.52	62149.5	62034.1	17315.7	19243.7	62162.2	62021.4	17302.0	19257.4
4.62	61141.9	63507.7	14328.1	21765.2	61480.6	63168.3	13960.0	22134.1
4.72	61588.7	58992.0	21786.9	18375.4	61275.3	59306.0	22127.5	18034.1
4.82	60581.1	60465.7	18799.4	20896.9	60593.8	60453.0	18785.6	20910.6
4.92	59573.5	61939.4	15811.7	23418.4	59912.2	61599.9	15443.6	23787.3
4.13	62114.9	65832.9	12083.5	20711.7	62717.0	65229.5	11429.1	21367.5
4.23	61107.3	67306.6	9096.0	23233.2	62035.4	66376.4	8087.1	24244.1
4.33	60099.7	68780.3	6108.3	25754.7	61353.8	67523.3	4745.2	27120.7
4.43	60546.5	64264.5	13567.1	22364.9	61148.6	63661.1	12912.7	23020.7
4.53	59538.9	65738.1	10579.6	24886.3	60467.0	64808.0	9570.8	25897.3
4.63	58531.3	67211.8	7591.9	27407.9	59785.4	65954.9	6228.8	28773.9
4.73	58978.1	62696.2	15050.7	24018.0	59580.2	62092.7	14396.3	24673.9
4.83	57970.5	64169.8	12063.2	26539.5	58898.6	63239.6	11054.4	27550.4
4.93	56962.9	65643.4	9075.6	29061.0	58217.0	64386.6	7712.4	30427.0

TABLE VI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 4

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
4.11	-1250.4	-1250.4	4170.7	4170.7	-41324.2	-41324.2
4.21	-1076.0	-1076.0	3996.3	3996.3	-41324.2	-41324.2
4.31	-901.7	-901.7	3822.0	3822.0	-41324.2	-41324.2
4.41	-1250.4	-1250.4	4170.7	4170.7	-41324.2	-41324.2
4.51	-1076.0	-1076.0	3996.3	3996.3	-41324.2	-41324.2
4.61	-901.7	-901.7	3822.0	3822.0	-41324.2	-41324.2
4.71	-1250.4	-1250.4	4170.7	4170.7	-41324.2	-41324.2
4.81	-1076.0	-1076.0	3996.3	3996.3	-41324.2	-41324.2
4.91	-901.7	-901.7	3822.0	3822.0	-41324.2	-41324.2
4.12	117.1	117.1	-158.1	-158.1	-41324.2	-41324.2
4.22	291.5	291.5	-332.4	-332.4	-41324.2	-41324.2
4.32	465.8	465.8	-506.7	-506.7	-41324.2	-41324.2
4.42	117.1	117.1	-158.1	-158.1	-41324.2	-41324.2
4.52	291.5	291.5	-332.4	-332.4	-41324.2	-41324.2
4.62	465.8	465.8	-506.7	-506.7	-41324.2	-41324.2
4.72	117.1	117.1	-158.1	-158.1	-41324.2	-41324.2
4.82	291.5	291.5	-332.4	-332.4	-41324.2	-41324.2
4.92	465.8	465.8	-506.7	-506.7	-41324.2	-41324.2
4.13	1484.6	1484.6	-4486.8	-4486.8	-41324.2	-41324.2
4.23	1659.0	1659.0	-4661.1	-4661.1	-41324.2	-41324.2
4.33	1833.3	1833.3	-4835.5	-4835.5	-41324.2	-41324.2
4.43	1484.6	1484.6	-4486.8	-4486.8	-41324.2	-41324.2
4.53	1659.0	1659.0	-4661.1	-4661.1	-41324.2	-41324.2
4.63	1833.3	1833.3	-4835.5	-4835.5	-41324.2	-41324.2
4.73	1484.6	1484.6	-4486.8	-4486.8	-41324.2	-41324.2
4.83	1659.0	1659.0	-4661.1	-4661.1	-41324.2	-41324.2
4.93	1833.3	1833.3	-4835.5	-4835.5	-41324.2	-41324.2

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D3-11220-2
40

TABLE VI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 4

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
4.11	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.21	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.31	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.41	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.51	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.61	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.71	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.81	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.91	-73500.0	0.0	162680.0	7393.4	5840.6	5821.3	-1.299506E 06	-7.817944E 05
4.12	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.22	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.32	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.42	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.52	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.62	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.72	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.82	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.92	-73500.0	0.0	162680.0	7393.4	-81.9	5821.3	-1.299506E 06	3.041884E 04
4.13	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.23	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.33	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.43	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.53	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.63	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.73	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.83	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05
4.93	-73500.0	0.0	162680.0	7393.4	-6004.3	5821.3	-1.299506E 06	8.426320E 05

03-11220-2
41

TABLE VI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 4

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
4.11	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.21	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.31	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.41	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.51	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.61	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.71	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.81	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.91	0.0023769	203.328	170.210	0.000	-26.000	14.000	-9.180
4.12	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.22	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.32	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.42	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.52	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.62	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.72	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.82	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.92	0.0023769	203.328	170.210	0.000	-26.000	14.000	0.000
4.13	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.23	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.33	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.43	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.53	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.63	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.73	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.83	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180
4.93	0.0023769	203.328	170.210	0.000	-26.000	14.000	9.180

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D3-11220-2
 42

TABLE VI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 4

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
4.11	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
4.21	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
4.31	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
4.41	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
4.51	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
4.61	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
4.71	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
4.81	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
4.91	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350
4.12	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
4.22	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
4.32	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
4.42	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
4.52	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
4.62	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
4.72	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
4.82	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
4.92	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350
4.13	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
4.23	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
4.33	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
4.43	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
4.53	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
4.63	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
4.73	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
4.83	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
4.93	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350

D3-11220-2
43

TABLE VII
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 5

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
5.11	-55345.7	-54210.4	-49271.6	0.0	0.0	44192.5	41396.6	2355.1	-9795.4
5.21	-55345.7	-52269.9	-51212.1	0.0	0.0	44078.3	41510.9	2162.6	-9602.9
5.31	-55345.7	-50329.4	-53152.6	0.0	0.0	43964.0	41625.1	1970.1	-9410.4
5.41	-53302.5	-55232.0	-50293.2	0.0	0.0	44192.5	41396.6	2355.1	-9795.4
5.51	-53302.5	-53291.5	-52233.7	0.0	0.0	44078.3	41510.9	2162.6	-9602.9
5.61	-53302.5	-51351.0	-54174.2	0.0	0.0	43964.0	41625.1	1970.1	-9410.4
5.71	-51259.4	-56253.6	-51314.8	0.0	0.0	44192.5	41396.6	2355.1	-9795.4
5.81	-51259.4	-54313.1	-53255.2	0.0	0.0	44078.3	41510.9	2162.6	-9602.9
5.91	-51259.4	-52372.6	-55195.7	0.0	0.0	43964.0	41625.1	1970.1	-9410.4
5.12	-55345.7	-53711.7	-49770.3	0.0	0.0	42809.3	42779.8	24.9	109.0
5.22	-55345.7	-51771.2	-51710.8	0.0	0.0	42695.1	42894.1	-167.6	301.5
5.32	-55345.7	-49830.7	-53651.3	0.0	0.0	42580.8	43008.3	-360.1	494.0
5.42	-53302.5	-54733.3	-50791.9	0.0	0.0	42809.3	42779.8	24.9	109.0
5.52	-53302.5	-52792.8	-52732.4	0.0	0.0	42695.1	42894.1	-167.6	301.5
5.62	-53302.5	-50852.3	-54672.9	0.0	0.0	42580.8	43008.3	-360.1	494.0
5.72	-51259.4	-55754.8	-51813.5	0.0	0.0	42809.3	42779.8	24.9	109.0
5.82	-51259.4	-53814.4	-53754.0	0.0	0.0	42695.1	42894.1	-167.6	301.5
5.92	-51259.4	-51873.8	-55694.5	0.0	0.0	42580.8	43008.3	-360.1	494.0
5.13	-55345.7	-53213.0	-50269.1	0.0	0.0	41426.1	44163.0	-2305.4	10013.4
5.23	-55345.7	-51272.5	-52209.5	0.0	0.0	41311.9	44277.3	-2497.9	10205.9
5.33	-55345.7	-49332.0	-54150.1	0.0	0.0	41197.6	44391.5	-2690.4	10398.4
5.43	-53302.5	-54234.6	-51290.6	0.0	0.0	41426.1	44163.0	-2305.4	10013.4
5.53	-53302.5	-52294.1	-53231.1	0.0	0.0	41311.9	44277.3	-2497.9	10205.9
5.63	-53302.5	-50353.6	-55171.6	0.0	0.0	41197.6	44391.5	-2690.4	10398.4
5.73	-51259.4	-55256.1	-52312.2	0.0	0.0	41426.1	44163.0	-2305.4	10013.4
5.83	-51259.4	-53315.6	-54252.7	0.0	0.0	41311.9	44277.3	-2497.9	10205.9
5.93	-51259.4	-51375.1	-56193.2	0.0	0.0	41197.6	44391.5	-2690.4	10398.4

D3-11220-2

44

ORIGINAL PAGE IS
OF POOR QUALITY

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TABLE VII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 5

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
5.11	67417.8	56759.0	28938.9	9596.5	65941.7	58238.3	30543.4	7988.7
5.21	66410.1	58232.6	25951.3	12118.0	65260.1	59385.2	27201.4	10865.3
5.31	65402.6	59706.3	22963.7	14639.5	64578.5	60532.2	23859.5	13741.9
5.41	65849.3	55190.6	30422.5	11249.7	64373.3	56669.9	32027.0	9641.9
5.51	64841.7	56664.2	27434.9	13771.2	63691.7	57816.8	28685.0	12518.5
5.61	63834.2	58137.9	24447.3	16292.7	63010.1	58963.8	25343.1	15395.1
5.71	64280.9	53622.1	31906.1	12902.9	62804.9	55101.5	33510.6	11295.1
5.81	63273.3	55095.8	28918.6	15424.4	62123.3	56248.4	30168.6	14171.7
5.91	62265.8	56569.5	25931.0	17945.9	61441.7	57395.4	26826.7	17048.3
5.12	64079.0	61496.1	20324.0	16812.9	63773.7	61802.1	20655.9	16480.3
5.22	63071.4	62969.8	17336.4	19334.4	63092.1	62949.1	17314.0	19356.9
5.32	62063.8	64443.5	14348.8	21855.9	62410.5	64096.0	13972.0	22233.5
5.42	62510.6	59927.7	21807.6	18466.1	62205.3	60233.7	22139.5	18133.5
5.52	61503.0	61401.4	18820.1	20987.6	61523.7	61380.7	18797.6	21010.1
5.62	60495.4	62875.1	15832.4	23509.1	60842.1	62527.6	15455.6	23886.7
5.72	60942.2	58359.3	23291.2	20119.3	60636.9	58665.3	23623.1	19786.7
5.82	59934.6	59833.0	20303.7	22640.8	59955.3	59812.3	20281.2	22663.3
5.92	58927.0	61306.7	17316.0	25162.3	59273.7	60959.2	16939.2	25539.9
5.13	60740.3	66233.3	11709.1	24029.3	61605.7	65365.9	10768.4	24972.0
5.23	59732.7	67706.9	8721.6	26550.8	60924.1	66512.8	7426.5	27848.5
5.33	58725.1	69180.7	5733.9	29072.3	60242.6	67659.8	4084.5	30725.2
5.43	59171.9	64664.9	13192.8	25682.5	60037.3	63797.6	12252.0	26625.2
5.53	58164.3	66138.6	10205.2	28204.0	59355.7	64944.5	8910.1	29501.7
5.63	57156.7	67612.3	7217.5	30725.5	58674.1	66091.4	5568.1	32378.4
5.73	57603.5	63096.6	14676.4	27335.7	58468.9	62229.2	13735.6	28278.3
5.83	56595.9	64570.2	11688.8	29857.2	57787.3	63376.1	10393.7	31154.9
5.93	55588.3	66043.9	8701.2	32378.7	57105.8	64523.1	7051.7	34031.6

TABLE VII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 5

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
5.11	-1563.8	-1563.8	5283.9	5283.9	-43672.1	-43672.1
5.21	-1389.4	-1389.4	5109.6	5109.6	-43672.1	-43672.1
5.31	-1215.1	-1215.1	4935.2	4935.2	-43672.1	-43672.1
5.41	-1563.8	-1563.8	5283.9	5283.9	-43672.1	-43672.1
5.51	-1389.4	-1389.4	5109.6	5109.6	-43672.1	-43672.1
5.61	-1215.1	-1215.1	4935.2	4935.2	-43672.1	-43672.1
5.71	-1563.8	-1563.8	5283.9	5283.9	-43672.1	-43672.1
5.81	-1389.4	-1389.4	5109.6	5109.6	-43672.1	-43672.1
5.91	-1215.1	-1215.1	4935.2	4935.2	-43672.1	-43672.1
5.12	185.1	185.1	-252.0	-252.0	-43672.1	-43672.1
5.22	359.5	359.5	-426.4	-426.4	-43672.1	-43672.1
5.32	533.8	533.8	-600.7	-600.7	-43672.1	-43672.1
5.42	185.1	185.1	-252.0	-252.0	-43672.1	-43672.1
5.52	359.5	359.5	-426.4	-426.4	-43672.1	-43672.1
5.62	533.8	533.8	-600.7	-600.7	-43672.1	-43672.1
5.72	185.1	185.1	-252.0	-252.0	-43672.1	-43672.1
5.82	359.5	359.5	-426.4	-426.4	-43672.1	-43672.1
5.92	533.8	533.8	-600.7	-600.7	-43672.1	-43672.1
5.13	1934.0	1934.0	-5788.0	-5788.0	-43672.1	-43672.1
5.23	2108.4	2108.4	-5962.4	-5962.4	-43672.1	-43672.1
5.33	2282.7	2282.7	-6136.7	-6136.7	-43672.1	-43672.1
5.43	1934.0	1934.0	-5788.0	-5788.0	-43672.1	-43672.1
5.53	2108.4	2108.4	-5962.4	-5962.4	-43672.1	-43672.1
5.63	2282.7	2282.7	-6136.7	-6136.7	-43672.1	-43672.1
5.73	1934.0	1934.0	-5788.0	-5788.0	-43672.1	-43672.1
5.83	2108.4	2108.4	-5962.4	-5962.4	-43672.1	-43672.1
5.93	2282.7	2282.7	-6136.7	-6136.7	-43672.1	-43672.1

03-11220-2.

46

TABLE VII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 5

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
5.11	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.21	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.31	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.41	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.51	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.61	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.71	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.81	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.91	-73500.0	0.0	162680.0	12089.2	7440.3	3852.2	-7.649614E 05	-9.889950E 05
5.12	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.22	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.32	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.42	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.52	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.62	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.72	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.82	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.92	-73500.0	0.0	162680.0	12089.2	-133.8	3852.2	-7.649614E 05	4.973878E 04
5.13	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.23	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.33	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.43	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.53	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.63	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.73	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.83	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06
5.93	-73500.0	0.0	162680.0	12089.2	-7708.0	3852.2	-7.649614E 05	1.088472E 06

03-11220-2
47

ORIGINAL PAGE 15
OF FOUR QUARTERS

TABLE VII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 5

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
5.11	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.21	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.31	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.41	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.51	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.61	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.71	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.81	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.91	0.0023769	260.000	170.210	0.000	-26.000	4.600	-7.180
5.12	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.22	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.32	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.42	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.52	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.62	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.72	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.82	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.92	0.0023769	260.000	170.210	0.000	-26.000	4.600	0.000
5.13	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.23	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.33	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.43	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.53	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.63	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.73	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.83	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180
5.93	0.0023769	260.000	170.210	0.000	-26.000	4.600	7.180

03-11220-2.
48

TABLE VII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 5

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
5.11	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
5.21	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
5.31	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
5.41	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
5.51	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
5.61	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
5.71	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
5.81	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
5.91	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350
5.12	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
5.22	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
5.32	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
5.42	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
5.52	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
5.62	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
5.72	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
5.82	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
5.92	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350
5.13	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
5.23	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
5.33	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
5.43	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
5.53	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
5.63	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
5.73	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
5.83	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
5.93	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350

TABLE VIII
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 6

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
6.11	-55104.9	-54460.3	-49576.2	0.0	0.0	43556.4	40877.0	2257.0	-9339.0
6.21	-55104.9	-52519.9	-51516.7	0.0	0.0	43442.2	40991.3	2064.5	-9146.5
6.31	-55104.9	-50579.3	-53457.2	0.0	0.0	43327.9	41105.5	1871.9	-8954.0
6.41	-53061.8	-55481.9	-50597.8	0.0	0.0	43556.4	40877.0	2257.0	-9339.0
6.51	-53061.8	-53541.4	-52538.2	0.0	0.0	43442.2	40991.3	2064.5	-9146.5
6.61	-53061.8	-51600.9	-54478.8	0.0	0.0	43327.9	41105.5	1871.9	-8954.0
6.71	-51018.6	-56503.5	-51619.3	0.0	0.0	43556.4	40877.0	2257.0	-9339.0
6.81	-51018.6	-54563.0	-53559.8	0.0	0.0	43442.2	40991.3	2064.5	-9146.5
6.91	-51018.6	-52622.5	-55500.3	0.0	0.0	43327.9	41105.5	1871.9	-8954.0
6.12	-55104.9	-53986.1	-50050.5	0.0	0.0	42241.0	42192.4	40.9	80.2
6.22	-55104.9	-52045.6	-51991.0	0.0	0.0	42126.7	42306.7	-151.6	272.7
6.32	-55104.9	-50105.1	-53931.5	0.0	0.0	42012.5	42421.0	-344.1	465.2
6.42	-53061.8	-55007.6	-51072.0	0.0	0.0	42241.0	42192.4	40.9	80.2
6.52	-53061.8	-53067.2	-53012.5	0.0	0.0	42126.7	42306.7	-151.6	272.7
6.62	-53061.8	-51126.7	-54953.0	0.0	0.0	42012.5	42421.0	-344.1	465.2
6.72	-51018.6	-56029.2	-52093.6	0.0	0.0	42241.0	42192.4	40.9	80.2
6.82	-51018.6	-54088.7	-54034.1	0.0	0.0	42126.7	42306.7	-151.6	272.7
6.92	-51018.6	-52148.2	-55974.6	0.0	0.0	42012.5	42421.0	-344.1	465.2
6.13	-55104.9	-53511.8	-50524.8	0.0	0.0	40925.6	43507.9	-2175.2	9499.3
6.23	-55104.9	-51571.3	-52465.3	0.0	0.0	40811.3	43622.1	-2367.7	9691.8
6.33	-55104.9	-49630.8	-54405.8	0.0	0.0	40697.0	43736.4	-2560.2	9884.3
6.43	-53061.8	-54533.4	-51546.3	0.0	0.0	40925.6	43507.9	-2175.2	9499.3
6.53	-53061.8	-52592.9	-53486.8	0.0	0.0	40811.3	43622.1	-2367.7	9691.8
6.63	-53061.8	-50652.4	-55427.3	0.0	0.0	40697.0	43736.4	-2560.2	9884.3
6.73	-51018.6	-55554.9	-52567.9	0.0	0.0	40925.6	43507.9	-2175.2	9499.3
6.83	-51018.6	-53614.4	-54508.4	0.0	0.0	40811.3	43622.1	-2367.7	9691.8
6.93	-51018.6	-51673.9	-56448.9	0.0	0.0	40697.0	43736.4	-2560.2	9884.3

TABLE VIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 6

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	V1 POUNDS	V2 POUNDS	CASE 1 V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	CASE 2 V3 POUNDS	V4 POUNDS
6.11	66931.9	56665.4	28979.5	10449.0	65511.3	58089.3	30523.7	8901.5
6.21	65924.4	58139.1	25991.9	12970.5	64829.7	59236.3	27181.8	11778.1
6.31	64916.8	59612.8	23004.3	15492.0	64148.1	60383.2	23839.8	14654.7
6.41	65363.6	55097.0	30463.1	12102.1	63942.9	56520.9	32007.4	10554.7
6.51	64356.0	56570.7	27475.5	14623.6	63261.3	57667.8	28665.4	13431.3
6.61	63348.4	58044.4	24487.9	17145.2	62579.7	58814.8	25323.4	16307.9
6.71	63795.2	53528.6	31946.7	13755.3	62374.5	54952.5	33491.0	12207.9
6.81	62787.6	55002.3	28959.2	16276.8	61692.9	56099.4	30149.0	15084.5
6.91	61780.0	56476.0	25971.5	18798.4	61011.3	57246.4	26807.1	17961.1
6.12	63756.8	61170.5	20786.7	17311.8	63449.5	61478.5	21120.7	16977.1
6.22	62749.2	62644.2	17799.1	19833.3	62768.0	62625.5	17778.8	19853.7
6.32	61741.6	64117.9	14811.5	22354.8	62086.4	63772.4	14436.8	22730.3
6.42	62188.4	59602.1	22270.3	18965.0	61881.1	59910.1	22604.3	18630.3
6.52	61180.9	61075.8	19282.8	21486.4	61199.6	61057.0	19262.4	21506.8
6.62	60173.3	62549.5	16295.1	24008.0	60518.0	62204.0	15920.4	24383.5
6.72	60620.0	58033.7	23753.9	20618.2	60312.7	58341.7	24087.9	20283.5
6.82	59612.5	59507.4	20766.4	23139.6	59631.2	59488.6	20746.0	23160.0
6.92	58604.8	60981.1	17778.7	25661.2	58949.5	60635.6	17404.1	26036.6
6.13	60581.7	65675.6	12593.9	24174.7	61387.8	64867.7	11717.6	25052.7
6.23	59574.1	67149.3	9606.3	26696.2	60706.2	66014.6	8375.7	27929.3
6.33	58566.5	68623.0	6618.6	29217.7	60024.6	67161.6	5033.7	30805.9
6.43	59013.3	64107.2	14077.5	25827.8	59819.4	63299.3	13201.3	26705.9
6.53	58005.7	65580.9	11089.9	28349.3	59137.7	64446.2	9859.4	29582.4
6.63	56998.1	67054.6	8102.3	30870.9	58456.2	65593.2	6517.4	32459.1
6.73	57444.9	62538.8	15561.1	27481.0	58251.0	61730.9	14684.9	28359.1
6.83	56437.3	64012.5	12573.5	30002.5	57569.3	62877.8	11343.0	31235.6
6.93	55429.7	65486.2	9585.9	32524.0	56887.8	64024.8	8001.0	34112.3

D3-11220-2

51

ORIGINAL PAGE IS
 OF POOR QUALITY

TABLE VIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 6

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
6.11	-1494.8	-1494.8	5035.8	5035.8	-43094.2	-43094.2
6.21	-1320.5	-1320.5	4861.5	4861.5	-43094.2	-43094.2
6.31	-1146.1	-1146.1	4687.2	4687.2	-43094.2	-43094.2
6.41	-1494.8	-1494.8	5035.8	5035.8	-43094.2	-43094.2
6.51	-1320.5	-1320.5	4861.5	4861.5	-43094.2	-43094.2
6.61	-1146.1	-1146.1	4687.2	4687.2	-43094.2	-43094.2
6.71	-1494.8	-1494.8	5035.8	5035.8	-43094.2	-43094.2
6.81	-1320.5	-1320.5	4861.5	4861.5	-43094.2	-43094.2
6.91	-1146.1	-1146.1	4687.2	4687.2	-43094.2	-43094.2
6.12	168.4	168.4	-228.9	-228.9	-43094.2	-43094.2
6.22	342.7	342.7	-403.3	-403.3	-43094.2	-43094.2
6.32	517.1	517.1	-577.6	-577.6	-43094.2	-43094.2
6.42	168.4	168.4	-228.9	-228.9	-43094.2	-43094.2
6.52	342.7	342.7	-403.3	-403.3	-43094.2	-43094.2
6.62	517.1	517.1	-577.6	-577.6	-43094.2	-43094.2
6.72	168.4	168.4	-228.9	-228.9	-43094.2	-43094.2
6.82	342.7	342.7	-403.3	-403.3	-43094.2	-43094.2
6.92	517.1	517.1	-577.6	-577.6	-43094.2	-43094.2
6.13	1831.6	1831.6	-5493.7	-5493.7	-43094.2	-43094.2
6.23	2005.9	2005.9	-5668.0	-5668.0	-43094.2	-43094.2
6.33	2180.3	2180.3	-5842.3	-5842.3	-43094.2	-43094.2
6.43	1831.6	1831.6	-5493.7	-5493.7	-43094.2	-43094.2
6.53	2005.9	2005.9	-5668.0	-5668.0	-43094.2	-43094.2
6.63	2180.3	2180.3	-5842.3	-5842.3	-43094.2	-43094.2
6.73	1831.6	1831.6	-5493.7	-5493.7	-43094.2	-43094.2
6.83	2005.9	2005.9	-5668.0	-5668.0	-43094.2	-43094.2
6.93	2180.3	2180.3	-5842.3	-5842.3	-43094.2	-43094.2

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TABLE VIII (CONTINUED)
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 6

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
6.11	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.21	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.31	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.41	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.51	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.61	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.71	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.81	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.91	-73500.0	0.0	162680.0	10933.5	7082.1	3538.5	-7.049161E 05	-9.428593E 05
6.12	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.22	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.32	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.42	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.52	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.62	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.72	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.82	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.92	-73500.0	0.0	162680.0	10933.5	-121.0	3538.5	-7.049161E 05	4.498382E 04
6.13	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.23	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.33	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.43	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.53	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.63	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.73	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.83	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06
6.93	-73500.0	0.0	162680.0	10933.5	-7324.2	3538.5	-7.049161E 05	1.032827E 06

03-11220-2

53

TABLE VIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 6

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
6.11	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.21	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.31	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.41	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.51	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.61	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.71	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.81	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.91	0.0007699	247.260	170.210	0.000	-26.000	4.700	-7.550
6.12	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.22	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.32	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.42	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.52	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.62	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.72	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.82	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.92	0.0007699	247.260	170.210	0.000	-26.000	4.700	0.000
6.13	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.23	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.33	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.43	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.53	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.63	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.73	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.83	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550
6.93	0.0007699	247.260	170.210	0.000	-26.000	4.700	7.550

D3-11220-2
54

TABLE VIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 6

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
6.11	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
6.21	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
6.31	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
6.41	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
6.51	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
6.61	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
6.71	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
6.81	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
6.91	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350
6.12	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
6.22	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
6.32	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
6.42	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
6.52	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
6.62	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
6.72	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
6.82	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
6.92	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350
6.13	49000.0	-1.50	0.00	3.32	167.560	-0.650	-27.350
6.23	49000.0	-1.50	0.00	3.32	167.560	0.000	-27.350
6.33	49000.0	-1.50	0.00	3.32	167.560	0.650	-27.350
6.43	49000.0	-1.50	0.00	3.32	170.210	-0.650	-27.350
6.53	49000.0	-1.50	0.00	3.32	170.210	0.000	-27.350
6.63	49000.0	-1.50	0.00	3.32	170.210	0.650	-27.350
6.73	49000.0	-1.50	0.00	3.32	172.860	-0.650	-27.350
6.83	49000.0	-1.50	0.00	3.32	172.860	0.000	-27.350
6.93	49000.0	-1.50	0.00	3.32	172.860	0.650	-27.350

TABLE IX
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 7

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
7.11	-24488.5	-16962.9	-29137.8	0.0	0.0	6746.3	-3049.6	8251.3	15042.6
7.21	-24488.5	-16059.4	-30041.4	0.0	0.0	6746.3	-3049.6	8251.3	15042.6
7.31	-24488.5	-15155.8	-30945.0	0.0	0.0	6746.3	-3049.6	8251.3	15042.6
7.41	-23565.4	-17514.9	-29509.0	0.0	0.0	6572.4	-2875.6	7958.3	15335.6
7.51	-23565.4	-16611.4	-30412.5	0.0	0.0	6572.4	-2875.6	7958.3	15335.6
7.61	-23565.4	-15707.8	-31316.1	0.0	0.0	6572.4	-2875.6	7958.3	15335.6
7.71	-22642.3	-18066.9	-29880.1	0.0	0.0	6398.4	-2701.7	7665.3	15628.6
7.81	-22642.3	-17163.3	-30783.7	0.0	0.0	6398.4	-2701.7	7665.3	15628.6
7.91	-22642.3	-16259.7	-31687.3	0.0	0.0	6398.4	-2701.7	7665.3	15628.6
7.12	-24488.5	-16687.3	-29413.5	0.0	0.0	5981.6	-2284.9	6963.2	20517.8
7.22	-24488.5	-15783.7	-30317.1	0.0	0.0	5981.6	-2284.9	6963.2	20517.8
7.32	-24488.5	-14880.1	-31220.6	0.0	0.0	5981.6	-2284.9	6963.2	20517.8
7.42	-23565.4	-17239.2	-29784.7	0.0	0.0	5807.7	-2111.0	6670.2	20810.8
7.52	-23565.4	-16335.7	-30688.2	0.0	0.0	5807.7	-2111.0	6670.2	20810.8
7.62	-23565.4	-15432.1	-31591.8	0.0	0.0	5807.7	-2111.0	6670.2	20810.8
7.72	-22642.3	-17791.2	-30155.8	0.0	0.0	5633.8	-1937.1	6377.2	21103.8
7.82	-22642.3	-16887.6	-31059.4	0.0	0.0	5633.8	-1937.1	6377.2	21103.8
7.92	-22642.3	-15984.0	-31963.0	0.0	0.0	5633.8	-1937.1	6377.2	21103.8
7.13	-24488.5	-16411.6	-29689.2	0.0	0.0	5217.0	-1520.3	5675.0	25993.0
7.23	-24488.5	-15508.0	-30592.8	0.0	0.0	5217.0	-1520.3	5675.0	25993.0
7.33	-24488.5	-14604.4	-31496.3	0.0	0.0	5217.0	-1520.3	5675.0	25993.0
7.43	-23565.4	-16963.5	-30060.4	0.0	0.0	5043.1	-1346.4	5382.0	26286.0
7.53	-23565.4	-16060.0	-30963.9	0.0	0.0	5043.1	-1346.4	5382.0	26286.0
7.63	-23565.4	-15156.4	-31867.5	0.0	0.0	5043.1	-1346.4	5382.0	26286.0
7.73	-22642.3	-17515.5	-30431.5	0.0	0.0	4869.2	-1172.4	5089.0	26579.0
7.83	-22642.3	-16611.9	-31335.1	0.0	0.0	4869.2	-1172.4	5089.0	26579.0
7.93	-22642.3	-15708.3	-32238.7	0.0	0.0	4869.2	-1172.4	5089.0	26579.0

D3-11220-2

56

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TABLE IX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 7

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
7.11	8501.6	43762.7	-20431.5	40511.7	12087.5	40168.6	-24329.4	44417.6
7.21	8020.7	44461.3	-21816.5	41678.9	11753.9	40719.7	-25874.5	45745.2
7.31	7539.8	45160.1	-23201.6	42846.1	11420.2	41270.8	-27419.7	47072.9
7.41	7879.4	42943.2	-19642.5	41164.2	11465.3	39349.2	-23540.3	45070.1
7.51	7398.5	43641.9	-21027.5	42331.4	11131.7	39900.2	-25085.4	46397.8
7.61	6917.6	44340.6	-22412.6	43498.7	10798.1	40451.3	-26630.6	47725.5
7.71	7257.3	42123.7	-18853.4	41816.7	10843.2	38529.7	-22751.2	45722.7
7.81	6776.4	42822.4	-20238.4	42983.9	10509.6	39080.8	-24296.3	47050.3
7.91	6295.5	43521.1	-21623.5	44151.2	10176.0	39631.9	-25841.5	48378.0
7.12	6655.9	46381.4	-25193.9	44500.9	10889.0	42138.7	-29795.2	49111.8
7.22	6175.0	47080.1	-26578.9	45668.1	10555.4	42689.8	-31340.3	50439.4
7.32	5694.1	47778.8	-27964.0	46835.4	10221.8	43240.9	-32885.5	51767.1
7.42	6033.8	45561.9	-24404.8	45153.4	10266.9	41319.2	-29006.1	49764.3
7.52	5552.9	46260.6	-25789.8	46320.7	9933.3	41870.3	-30551.2	51092.0
7.62	5072.0	46959.4	-27174.9	47487.9	9599.6	42421.4	-32096.4	52419.7
7.72	5411.6	44742.4	-23615.7	45806.0	9644.7	40499.8	-28217.0	50416.8
7.82	4930.8	45441.1	-25000.8	46973.2	9311.1	41050.9	-29762.2	51744.5
7.92	4449.8	46139.9	-26385.9	48140.5	8977.5	41602.0	-31307.4	53072.2
7.13	4810.3	49000.1	-29956.2	48490.1	9690.5	44108.8	-35261.0	53806.0
7.23	4329.4	49698.8	-31341.3	49657.4	9356.9	44659.9	-36806.1	55133.6
7.33	3848.4	50397.6	-32726.4	50824.7	9023.3	45211.0	-38351.3	56461.4
7.43	4188.1	48180.7	-29167.1	49142.7	9068.4	43289.3	-34471.9	54458.5
7.53	3707.2	48879.4	-30552.2	50309.9	8734.8	43840.4	-36017.1	55786.2
7.63	3226.3	49578.1	-31937.2	51477.2	8401.2	44391.5	-37562.2	57113.9
7.73	3566.0	47361.2	-28378.1	49795.2	8446.3	42469.9	-33682.9	55111.1
7.83	3085.1	48059.9	-29763.1	50962.5	8112.6	43020.9	-35228.0	56438.7
7.93	2604.2	48758.6	-31148.2	52129.7	7779.0	43572.1	-36773.2	57766.4

TABLE IX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 7

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
7.11	-8796.1	-8796.1	-3178.4	-3178.4	-1848.4	-1848.4
7.21	-8796.1	-8796.1	-3178.4	-3178.4	-1848.4	-1848.4
7.31	-8796.1	-8796.1	-3178.4	-3178.4	-1848.4	-1848.4
7.41	-8530.8	-8530.8	-3443.8	-3443.8	-1848.4	-1848.4
7.51	-8530.8	-8530.8	-3443.8	-3443.8	-1848.4	-1848.4
7.61	-8530.8	-8530.8	-3443.8	-3443.8	-1848.4	-1848.4
7.71	-8265.4	-8265.4	-3709.1	-3709.1	-1848.4	-1848.4
7.81	-8265.4	-8265.4	-3709.1	-3709.1	-1848.4	-1848.4
7.91	-8265.4	-8265.4	-3709.1	-3709.1	-1848.4	-1848.4
7.12	-7829.3	-7829.3	-6238.7	-6238.7	-1848.4	-1848.4
7.22	-7829.3	-7829.3	-6238.7	-6238.7	-1848.4	-1848.4
7.32	-7829.3	-7829.3	-6238.7	-6238.7	-1848.4	-1848.4
7.42	-7564.0	-7564.0	-6504.1	-6504.1	-1848.4	-1848.4
7.52	-7564.0	-7564.0	-6504.1	-6504.1	-1848.4	-1848.4
7.62	-7564.0	-7564.0	-6504.1	-6504.1	-1848.4	-1848.4
7.72	-7298.6	-7298.6	-6769.5	-6769.5	-1848.4	-1848.4
7.82	-7298.6	-7298.6	-6769.5	-6769.5	-1848.4	-1848.4
7.92	-7298.6	-7298.6	-6769.5	-6769.5	-1848.4	-1848.4
7.13	-6862.5	-6862.5	-9299.1	-9299.1	-1848.4	-1848.4
7.23	-6862.5	-6862.5	-9299.1	-9299.1	-1848.4	-1848.4
7.33	-6862.5	-6862.5	-9299.1	-9299.1	-1848.4	-1848.4
7.43	-6597.2	-6597.2	-9564.4	-9564.4	-1848.4	-1848.4
7.53	-6597.2	-6597.2	-9564.4	-9564.4	-1848.4	-1848.4
7.63	-6597.2	-6597.2	-9564.4	-9564.4	-1848.4	-1848.4
7.73	-6331.8	-6331.8	-9829.8	-9829.8	-1848.4	-1848.4
7.83	-6331.8	-6331.8	-9829.8	-9829.8	-1848.4	-1848.4
7.93	-6331.8	-6331.8	-9829.8	-9829.8	-1848.4	-1848.4

D3-11220-2

58

TABLE IX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 7

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
7.11	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.21	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.31	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.41	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.51	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.61	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.71	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.81	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.91	0.0	27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
7.12	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.22	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.32	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.42	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.52	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.62	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.72	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.82	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.92	0.0	27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
7.13	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.23	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.33	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.43	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.53	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.63	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.73	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.83	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
7.93	0.0	27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05

03-11220-2

59

TABLE IX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 7

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
7.11	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.21	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.31	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.41	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.51	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.61	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.71	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.81	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.91	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.12	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
7.22	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.32	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.42	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.52	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.62	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.72	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.82	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.92	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
7.13	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.23	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.33	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.43	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.53	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.63	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.73	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.83	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
7.93	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980

03-11220-2
60

TABLE IX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 7

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
7.11	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
7.21	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
7.31	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
7.41	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
7.51	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
7.61	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
7.71	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
7.81	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
7.91	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350
7.12	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
7.22	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
7.32	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
7.42	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
7.52	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
7.62	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
7.72	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
7.82	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
7.92	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350
7.13	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
7.23	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
7.33	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
7.43	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
7.53	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
7.63	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
7.73	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
7.83	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
7.93	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350

03-11220-2
67

TABLE X
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 8

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
8.11	-22490.3	-19272.4	-30959.3	0.0	0.0	11492.0	597.2	9177.0	10822.6
8.21	-22490.3	-18368.9	-31862.9	0.0	0.0	11492.0	597.2	9177.0	10822.6
8.31	-22490.3	-17465.3	-32766.5	0.0	0.0	11492.0	597.2	9177.0	10822.6
8.41	-21567.1	-19824.3	-31330.5	0.0	0.0	11318.1	771.1	8884.0	11115.6
8.51	-21567.1	-18920.8	-32234.0	0.0	0.0	11318.1	771.1	8884.0	11115.6
8.61	-21567.1	-18017.2	-33137.6	0.0	0.0	11318.1	771.1	8884.0	11115.6
8.71	-20644.0	-20376.3	-31701.7	0.0	0.0	11144.1	945.0	8591.0	11408.7
8.81	-20644.0	-19472.8	-32605.2	0.0	0.0	11144.1	945.0	8591.0	11408.7
8.91	-20644.0	-18569.2	-33508.8	0.0	0.0	11144.1	945.0	8591.0	11408.7
8.12	-22490.3	-18773.7	-31458.1	0.0	0.0	10108.8	1980.4	6846.8	20727.1
8.22	-22490.3	-17870.1	-32361.6	0.0	0.0	10108.8	1980.4	6846.8	20727.1
8.32	-22490.3	-16966.6	-33265.2	0.0	0.0	10108.8	1980.4	6846.8	20727.1
8.42	-21567.1	-19325.6	-31829.2	0.0	0.0	9934.9	2154.3	6553.8	21020.1
8.52	-21567.1	-18422.1	-32732.8	0.0	0.0	9934.9	2154.3	6553.8	21020.1
8.62	-21567.1	-17518.5	-33636.3	0.0	0.0	9934.9	2154.3	6553.8	21020.1
8.72	-20644.0	-19877.6	-32200.4	0.0	0.0	9760.9	2328.2	6260.8	21313.1
8.82	-20644.0	-18974.0	-33103.9	0.0	0.0	9760.9	2328.2	6260.8	21313.1
8.92	-20644.0	-18070.4	-34007.5	0.0	0.0	9760.9	2328.2	6260.8	21313.1
8.13	-22490.3	-18275.0	-31956.8	0.0	0.0	8725.6	3363.6	4516.6	30631.5
8.23	-22490.3	-17371.4	-32860.3	0.0	0.0	8725.6	3363.6	4516.6	30631.5
8.33	-22490.3	-16467.9	-33763.9	0.0	0.0	8725.6	3363.6	4516.6	30631.5
8.43	-21567.1	-18826.9	-32327.9	0.0	0.0	8551.7	3537.5	4223.6	30924.5
8.53	-21567.1	-17923.4	-33231.5	0.0	0.0	8551.7	3537.5	4223.6	30924.5
8.63	-21567.1	-17019.8	-34135.0	0.0	0.0	8551.7	3537.5	4223.6	30924.5
8.73	-20644.0	-19378.9	-32699.1	0.0	0.0	8377.7	3711.4	3930.6	31217.5
8.83	-20644.0	-18475.3	-33602.6	0.0	0.0	8377.7	3711.4	3930.6	31217.5
8.93	-20644.0	-17571.8	-34506.2	0.0	0.0	8377.7	3711.4	3930.6	<u>31217.5</u>

TABLE X (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 8

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
8.11	9675.1	41349.3	-15336.8	38789.5	12751.8	38265.6	-18681.2	42140.8
8.21	9194.2	42048.0	-16721.9	39956.7	12418.2	38816.7	-20226.3	43468.5
8.31	8713.3	42746.7	-18106.9	41124.0	12084.5	39367.8	-21771.5	44796.2
8.41	9052.9	40529.8	-14547.7	39442.0	12129.6	37446.1	-17892.1	42793.3
8.51	8572.0	41228.5	-15932.8	40609.3	11796.0	37997.2	-19437.2	44121.0
8.61	8091.1	41927.3	-17317.9	41776.5	11462.4	38548.3	-20982.4	45448.7
8.71	8430.8	39710.4	-13758.7	40094.6	11507.5	36626.7	-17103.0	43445.9
8.81	7949.9	40409.1	-15143.7	41261.8	11173.9	37177.8	-18648.2	44773.5
8.91	7469.0	41107.8	-16528.8	42429.1	10840.3	37728.9	-20193.3	46101.2
8.12	6336.3	46086.5	-23951.7	46005.9	10583.8	41829.4	-28568.6	50632.4
8.22	5855.4	46785.2	-25336.7	47173.1	10250.2	42380.5	-30113.8	51960.1
8.32	5374.5	47483.9	-26721.8	48340.4	9916.6	42931.6	-31659.0	53287.8
8.42	5714.2	45267.0	-23162.6	46658.4	9961.7	41009.9	-27779.5	51285.0
8.52	5233.3	45965.7	-24547.7	47825.7	9628.0	41561.0	-29324.7	52612.6
8.62	4752.4	46664.5	-25932.8	48992.9	9294.4	42112.1	-30869.9	53940.3
8.72	5092.1	44447.6	-22373.6	47311.0	9339.5	40190.5	-26990.5	51937.5
8.82	4611.2	45146.3	-23758.6	48478.2	9005.9	40741.6	-28535.6	53265.2
8.92	4130.3	45845.0	-25143.7	49645.5	8672.3	41292.7	-30080.8	54592.9
8.13	2997.6	50823.7	-32566.5	53222.3	8415.8	45393.2	-38456.0	59124.0
8.23	2516.7	51522.4	-33951.6	54389.5	8082.2	45944.3	-40001.2	60451.7
8.33	2035.8	52221.1	-35336.7	55556.8	7748.6	46495.4	-41546.4	61779.4
8.43	2375.5	50004.2	-31777.5	53874.8	7793.7	44573.7	-37667.0	59776.6
8.53	1894.6	50702.9	-33162.5	55042.0	7460.1	45124.8	-39212.1	61104.2
8.63	1413.7	51401.6	-34547.6	56209.3	7126.4	45675.9	-40757.3	62431.9
8.73	1753.4	49184.7	-30988.4	54527.3	7171.5	43754.3	-36877.9	60429.1
8.83	1272.5	49883.4	-32373.4	55694.6	6837.9	44305.4	-38423.0	61756.7
8.93	791.5	50582.2	-33758.5	56861.8	6504.3	44856.5	-39968.2	63084.4

TABLE X (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 8

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
8.11	-9456.7	-9456.7	-870.7	-870.7	-6044.6	-6044.6
8.21	-9456.7	-9456.7	-870.7	-870.7	-6044.6	-6044.6
8.31	-9456.7	-9456.7	-870.7	-870.7	-6044.6	-6044.6
8.41	-9191.3	-9191.3	-1136.1	-1136.1	-6044.6	-6044.6
8.51	-9191.3	-9191.3	-1136.1	-1136.1	-6044.6	-6044.6
8.61	-9191.3	-9191.3	-1136.1	-1136.1	-6044.6	-6044.6
8.71	-8926.0	-8926.0	-1401.5	-1401.5	-6044.6	-6044.6
8.81	-8926.0	-8926.0	-1401.5	-1401.5	-6044.6	-6044.6
8.91	-8926.0	-8926.0	-1401.5	-1401.5	-6044.6	-6044.6
8.12	-7707.8	-7707.8	-6406.7	-6406.7	-6044.6	-6044.6
8.22	-7707.8	-7707.8	-6406.7	-6406.7	-6044.6	-6044.6
8.32	-7707.8	-7707.8	-6406.7	-6406.7	-6044.6	-6044.6
8.42	-7442.4	-7442.4	-6672.1	-6672.1	-6044.6	-6044.6
8.52	-7442.4	-7442.4	-6672.1	-6672.1	-6044.6	-6044.6
8.62	-7442.4	-7442.4	-6672.1	-6672.1	-6044.6	-6044.6
8.72	-7177.1	-7177.1	-6937.4	-6937.4	-6044.6	-6044.6
8.82	-7177.1	-7177.1	-6937.4	-6937.4	-6044.6	-6044.6
8.92	-7177.1	-7177.1	-6937.4	-6937.4	-6044.6	-6044.6
8.13	-5958.9	-5958.9	-11942.7	-11942.7	-6044.6	-6044.6
8.23	-5958.9	-5958.9	-11942.7	-11942.7	-6044.6	-6044.6
8.33	-5958.9	-5958.9	-11942.7	-11942.7	-6044.6	-6044.6
8.43	-5693.5	-5693.5	-12208.1	-12208.1	-6044.6	-6044.6
8.53	-5693.5	-5693.5	-12208.1	-12208.1	-6044.6	-6044.6
8.63	-5693.5	-5693.5	-12208.1	-12208.1	-6044.6	-6044.6
8.73	-5428.2	-5428.2	-12473.4	-12473.4	-6044.6	-6044.6
8.83	-5428.2	-5428.2	-12473.4	-12473.4	-6044.6	-6044.6
8.93	-5428.2	-5428.2	-12473.4	-12473.4	-6044.6	-6044.6

D3-11220-2
64

TABLE X (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 8

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
8.11	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.21	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.31	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.41	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.51	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.61	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.71	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.81	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.91	0.0	27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
8.12	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.22	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.32	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.42	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.52	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.62	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.72	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.82	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.92	0.0	27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
8.13	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.23	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.33	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.43	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.53	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.63	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.73	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.83	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
8.93	0.0	27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06

03-11220-2
65

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TABLE X (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 8

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
8.11	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.21	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.31	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.41	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.51	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.61	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.71	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.81	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.91	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
8.12	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.22	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.32	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.42	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.52	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.62	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.72	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.82	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.92	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
8.13	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.23	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.33	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.43	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.53	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.63	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.73	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.83	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
8.93	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180

D3-11220-2

TABLE X (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 8

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
8.11	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
8.21	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
8.31	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
8.41	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
8.51	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
8.61	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
8.71	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
8.81	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
8.91	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350
8.12	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
8.22	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
8.32	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
8.42	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
8.52	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
8.62	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
8.72	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
8.82	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
8.92	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350
8.13	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
8.23	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
8.33	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
8.43	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
8.53	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
8.63	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
8.73	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
8.83	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
8.93	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350

D3-11220-2

67

TABLE XI
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINs) CONDITION 9

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINs

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
9.11	-22267.6	-19502.6	-31244.2	0.0	0.0	10855.9	77.6	9078.9	11279.1
9.21	-22267.6	-18599.0	-32147.8	0.0	0.0	10855.9	77.6	9078.9	11279.1
9.31	-22267.6	-17695.5	-33051.4	0.0	0.0	10855.9	77.6	9078.9	11279.1
9.41	-21344.5	-20054.5	-31615.4	0.0	0.0	10682.0	251.5	8785.9	11572.1
9.51	-21344.5	-19151.0	-32518.9	0.0	0.0	10682.0	251.5	8785.9	11572.1
9.61	-21344.5	-18247.4	-33422.5	0.0	0.0	10682.0	251.5	8785.9	11572.1
9.71	-20421.4	-20606.5	-31986.5	0.0	0.0	10508.0	425.4	8492.9	11865.1
9.81	-20421.4	-19703.0	-32890.1	0.0	0.0	10508.0	425.4	8492.9	11865.1
9.91	-20421.4	-18799.4	-33793.7	0.0	0.0	10508.0	425.4	8492.9	11865.1
9.12	-22267.6	-19028.3	-31718.5	0.0	0.0	9540.4	1393.0	6862.8	20698.2
9.22	-22267.6	-18124.8	-32622.0	0.0	0.0	9540.4	1393.0	6862.8	20698.2
9.32	-22267.6	-17221.2	-33525.6	0.0	0.0	9540.4	1393.0	6862.8	20698.2
9.42	-21344.5	-19580.3	-32089.6	0.0	0.0	9366.5	1566.9	6569.8	20991.2
9.52	-21344.5	-18676.7	-32993.2	0.0	0.0	9366.5	1566.9	6569.8	20991.2
9.62	-21344.5	-17773.2	-33896.8	0.0	0.0	9366.5	1566.9	6569.8	20991.2
9.72	-20421.4	-20132.2	-32460.8	0.0	0.0	9192.6	1740.9	6276.8	21284.2
9.82	-20421.4	-19228.7	-33364.3	0.0	0.0	9192.6	1740.9	6276.8	21284.2
9.92	-20421.4	-18325.1	-34267.9	0.0	0.0	9192.6	1740.9	6276.8	21284.2
9.13	-22267.6	-18554.1	-32192.8	0.0	0.0	8225.0	2708.5	4646.8	30117.4
9.23	-22267.6	-17650.5	-33096.3	0.0	0.0	8225.0	2708.5	4646.8	30117.4
9.33	-22267.6	-16746.9	-33999.9	0.0	0.0	8225.0	2708.5	4646.8	30117.4
9.43	-21344.5	-19106.0	-32563.9	0.0	0.0	8051.1	2882.4	4353.8	30410.4
9.53	-21344.5	-18202.5	-33467.4	0.0	0.0	8051.1	2882.4	4353.8	30410.4
9.63	-21344.5	-17298.9	-34371.0	0.0	0.0	8051.1	2882.4	4353.8	30410.4
9.73	-20421.4	-19658.0	-32935.1	0.0	0.0	7877.2	3056.3	4060.8	30703.4
9.83	-20421.4	-18754.4	-33838.6	0.0	0.0	7877.2	3056.3	4060.8	30703.4
9.93	-20421.4	-17850.8	-34742.2	0.0	0.0	7877.2	3056.3	4060.8	30703.4

D3-11220-2
68

TABLE XI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 9

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
9.11	9202.1	41268.7	-15318.5	39617.2	12334.2	38129.5	-18723.1	43028.9
9.21	8721.2	41967.4	-16703.5	40784.4	12000.6	38680.5	-20268.2	44356.5
9.31	8240.3	42666.1	-18088.6	41951.7	11667.0	39231.7	-21813.4	45684.2
9.41	8580.0	40449.2	-14529.4	40269.7	11712.1	37310.0	-17934.0	43681.4
9.51	8099.1	41147.9	-15914.4	41437.0	11378.5	37861.1	-19479.1	45009.0
9.61	7618.2	41846.6	-17299.5	42604.2	11044.8	38412.2	-21024.3	46336.7
9.71	7957.8	39629.7	-13740.3	40922.3	11089.9	36490.5	-17144.9	44333.9
9.81	7477.0	40328.4	-15125.4	42089.5	10756.3	37041.6	-18690.0	45661.5
9.91	6996.0	41027.1	-16510.5	43256.8	10422.7	37592.7	-20235.2	46989.3
9.12	6027.0	45773.7	-23511.3	46480.0	10272.4	41518.7	-28126.1	51104.4
9.22	5546.1	46472.5	-24896.3	47647.3	9938.8	42069.7	-29671.2	52432.1
9.32	5065.2	47171.2	-26281.4	48814.5	9605.2	42620.8	-31216.4	53759.8
9.42	5404.8	44954.3	-22722.2	47132.6	9650.3	40699.2	-27337.0	51756.9
9.52	4923.9	45653.0	-24107.2	48299.8	9316.7	41250.3	-28882.1	53084.6
9.62	4443.0	46351.7	-25492.3	49467.1	8983.1	41801.4	-30427.3	54412.3
9.72	4782.7	44134.8	-21933.1	47785.1	9028.2	39879.7	-26547.9	52409.5
9.82	4301.8	44833.5	-23318.2	48952.3	8694.6	40430.8	-28093.0	53737.1
9.92	3820.9	45532.2	-24703.3	50119.6	8360.9	40981.9	-29638.2	55064.8
9.13	2851.8	50278.8	-31704.1	53342.9	8210.7	44907.8	-37529.1	59180.0
9.23	2370.9	50977.5	-33089.1	54510.1	7877.1	45458.9	-39074.2	60507.6
9.33	1890.0	51676.3	-34474.2	55677.4	7543.5	46010.0	-40619.4	61835.3
9.43	2229.7	49459.3	-30915.0	53995.4	7588.6	44088.4	-36740.0	59832.5
9.53	1748.8	50158.1	-32300.0	55162.6	7254.9	44639.4	-38285.1	61160.2
9.63	1267.9	50856.8	-33685.1	56329.9	6921.3	45190.6	-39830.3	62487.9
9.73	1607.6	48639.9	-30125.9	54647.9	6966.4	43268.9	-35950.9	60485.0
9.83	1126.7	49338.6	-31510.9	55815.1	6632.8	43820.0	-37496.0	61812.7
9.93	645.8	50037.3	-32896.0	56982.4	6299.2	44371.1	-39041.2	63140.4

TABLE XI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 9

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
9.11	-9387.7	-9387.7	-1118.8	-1118.8	-5466.7	-5466.7
9.21	-9387.7	-9387.7	-1118.8	-1118.8	-5466.7	-5466.7
9.31	-9387.7	-9387.7	-1118.8	-1118.8	-5466.7	-5466.7
9.41	-9122.4	-9122.4	-1384.2	-1384.2	-5466.7	-5466.7
9.51	-9122.4	-9122.4	-1384.2	-1384.2	-5466.7	-5466.7
9.61	-9122.4	-9122.4	-1384.2	-1384.2	-5466.7	-5466.7
9.71	-8857.0	-8857.0	-1649.5	-1649.5	-5466.7	-5466.7
9.81	-8857.0	-8857.0	-1649.5	-1649.5	-5466.7	-5466.7
9.91	-8857.0	-8857.0	-1649.5	-1649.5	-5466.7	-5466.7
9.12	-7724.5	-7724.5	-6383.6	-6383.6	-5466.7	-5466.7
9.22	-7724.5	-7724.5	-6383.6	-6383.6	-5466.7	-5466.7
9.32	-7724.5	-7724.5	-6383.6	-6383.6	-5466.7	-5466.7
9.42	-7459.2	-7459.2	-6648.9	-6648.9	-5466.7	-5466.7
9.52	-7459.2	-7459.2	-6648.9	-6648.9	-5466.7	-5466.7
9.62	-7459.2	-7459.2	-6648.9	-6648.9	-5466.7	-5466.7
9.72	-7193.8	-7193.8	-6914.3	-6914.3	-5466.7	-5466.7
9.82	-7193.8	-7193.8	-6914.3	-6914.3	-5466.7	-5466.7
9.92	-7193.8	-7193.8	-6914.3	-6914.3	-5466.7	-5466.7
9.13	-6061.3	-6061.3	-11648.4	-11648.4	-5466.7	-5466.7
9.23	-6061.3	-6061.3	-11648.4	-11648.4	-5466.7	-5466.7
9.33	-6061.3	-6061.3	-11648.4	-11648.4	-5466.7	-5466.7
9.43	-5796.0	-5796.0	-11913.7	-11913.7	-5466.7	-5466.7
9.53	-5796.0	-5796.0	-11913.7	-11913.7	-5466.7	-5466.7
9.63	-5796.0	-5796.0	-11913.7	-11913.7	-5466.7	-5466.7
9.73	-5530.6	-5530.6	-12179.1	-12179.1	-5466.7	-5466.7
9.83	-5530.6	-5530.6	-12179.1	-12179.1	-5466.7	-5466.7
9.93	-5530.6	-5530.6	-12179.1	-12179.1	-5466.7	-5466.7

D3-11220-2
70

TABLE XI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 9

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
9.11	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.21	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.31	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.41	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.51	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.61	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.71	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.81	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.91	0.0	27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
9.12	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.22	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.32	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.42	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.52	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.62	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.72	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.82	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.92	0.0	27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
9.13	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.23	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.33	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.43	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.53	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.63	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.73	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.83	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
9.93	0.0	27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06

03-11220-2

71

TABLE XI (CONTINUED)
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 9

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
9.11	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.21	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.31	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.41	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.51	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.61	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.71	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.81	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.91	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
9.12	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.22	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.32	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.42	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.52	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.62	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.72	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.82	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.92	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
9.13	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.23	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.33	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.43	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.53	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.63	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.73	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.83	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
9.93	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550

TABLE XI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 9

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
9.11	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
9.21	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
9.31	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
9.41	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
9.51	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
9.61	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
9.71	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
9.81	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
9.91	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350
9.12	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
9.22	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
9.32	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
9.42	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
9.52	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
9.62	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
9.72	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
9.82	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
9.92	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350
9.13	49000.0	0.00	0.56	1.50	167.560	-0.650	-27.350
9.23	49000.0	0.00	0.56	1.50	167.560	0.000	-27.350
9.33	49000.0	0.00	0.56	1.50	167.560	0.650	-27.350
9.43	49000.0	0.00	0.56	1.50	170.210	-0.650	-27.350
9.53	49000.0	0.00	0.56	1.50	170.210	0.000	-27.350
9.63	49000.0	0.00	0.56	1.50	170.210	0.650	-27.350
9.73	49000.0	0.00	0.56	1.50	172.860	-0.650	-27.350
9.83	49000.0	0.00	0.56	1.50	172.860	0.000	-27.350
9.93	49000.0	0.00	0.56	1.50	172.860	0.650	-27.350

D3-11220-2

73

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TABLE XII
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 10

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
10.11	-24488.5	-31514.7	-14586.0	0.0	0.0	-1581.1	5277.9	-5777.5	-25808.6
10.21	-24488.5	-30611.2	-15489.6	0.0	0.0	-1581.1	5277.9	-5777.5	-25808.6
10.31	-24488.5	-29707.6	-16393.2	0.0	0.0	-1581.1	5277.9	-5777.5	-25808.6
10.41	-23565.4	-31885.9	-15138.0	0.0	0.0	-1407.2	5103.9	-5484.5	-26101.6
10.51	-23565.4	-30982.4	-16041.5	0.0	0.0	-1407.2	5103.9	-5484.5	-26101.6
10.61	-23565.4	-30078.8	-16945.1	0.0	0.0	-1407.2	5103.9	-5484.5	-26101.6
10.71	-22642.3	-32257.1	-15689.9	0.0	0.0	-1233.3	4930.0	-5191.5	-26394.6
10.81	-22642.3	-31353.5	-16593.5	0.0	0.0	-1233.3	4930.0	-5191.5	-26394.6
10.91	-22642.3	-30449.9	-17497.1	0.0	0.0	-1233.3	4930.0	-5191.5	-26394.6
10.12	-24488.5	-31239.1	-14861.7	0.0	0.0	-2345.8	6042.5	-7065.7	-20333.4
10.22	-24488.5	-30335.5	-15765.3	0.0	0.0	-2345.8	6042.5	-7065.7	-20333.4
10.32	-24488.5	-29431.9	-16668.8	0.0	0.0	-2345.8	6042.5	-7065.7	-20333.4
10.42	-23565.4	-31610.2	-15413.7	0.0	0.0	-2171.9	5868.6	-6772.7	-20626.4
10.52	-23565.4	-30706.7	-16317.2	0.0	0.0	-2171.9	5868.6	-6772.7	-20626.4
10.62	-23565.4	-29803.1	-17220.8	0.0	0.0	-2171.9	5868.6	-6772.7	-20626.4
10.72	-22642.3	-31981.4	-15965.6	0.0	0.0	-1997.9	5694.6	-6479.7	-20919.4
10.82	-22642.3	-31077.8	-16869.2	0.0	0.0	-1997.9	5694.6	-6479.7	-20919.4
10.92	-22642.3	-30174.2	-17772.7	0.0	0.0	-1997.9	5694.6	-6479.7	-20919.4
10.13	-24488.5	-30963.4	-15137.4	0.0	0.0	-3110.4	6807.1	-8353.8	-14858.2
10.23	-24488.5	-30059.8	-16041.0	0.0	0.0	-3110.4	6807.1	-8353.8	-14858.2
10.33	-24488.5	-29156.2	-16944.5	0.0	0.0	-3110.4	6807.1	-8353.8	-14858.2
10.43	-23565.4	-31334.5	-15689.4	0.0	0.0	-2936.5	6633.2	-8060.8	-15151.2
10.53	-23565.4	-30431.0	-16592.9	0.0	0.0	-2936.5	6633.2	-8060.8	-15151.2
10.63	-23565.4	-29527.4	-17496.5	0.0	0.0	-2936.5	6633.2	-8060.8	-15151.2
10.73	-22642.3	-31705.7	-16241.3	0.0	0.0	-2762.6	6459.3	-7767.8	-15444.2
10.83	-22642.3	-30802.1	-17144.9	0.0	0.0	-2762.6	6459.3	-7767.8	-15444.2
10.93	-22642.3	-29898.6	-18048.4	0.0	0.0	-2762.6	6459.3	-7767.8	-15444.2

D3-11220-2
74

TABLE XII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 10

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
10.11	42842.4	-3684.9	56932.3	-23745.4	37680.2	1489.0	62543.5	-29368.3
10.21	42361.5	-2986.2	55547.3	-22578.2	37346.6	2040.1	60998.4	-28040.7
10.31	41880.6	-2287.5	54162.2	-21410.9	37013.0	2591.2	59453.2	-26712.9
10.41	42047.3	-4282.7	57483.9	-22904.1	36885.1	891.2	63095.1	-28527.0
10.51	41566.4	-3584.0	56098.8	-21736.9	36551.5	1442.3	61549.9	-27199.3
10.61	41085.5	-2885.2	54713.7	-20569.6	36217.9	1993.4	60004.7	-25871.6
10.71	41252.2	-4880.4	58035.4	-22062.8	36090.0	293.4	63646.6	-27685.7
10.81	40771.3	-4181.7	56650.4	-20895.5	35756.4	844.5	62101.5	-26358.0
10.91	40290.4	-3483.0	55265.3	-19728.3	35422.8	1395.6	60556.3	-25030.3
10.12	40996.8	-1066.2	52170.0	-19756.2	36481.7	3459.0	57077.7	-24674.1
10.22	40515.9	-367.5	50784.9	-18588.9	36148.1	4010.1	55532.6	-23346.5
10.32	40034.9	331.3	49399.8	-17421.7	35814.5	4561.2	53987.4	-22018.8
10.42	40201.6	-1663.9	52721.5	-18914.8	35686.6	2861.3	57629.2	-23832.8
10.52	39720.7	-965.2	51336.5	-17747.6	35353.0	3412.4	56084.1	-22505.1
10.62	39239.8	-266.5	49951.4	-16580.3	35019.4	3963.5	54538.9	-21177.4
10.72	39406.5	-2261.7	53273.1	-18073.5	34891.5	2263.5	58180.8	-22991.5
10.82	38925.6	-1563.0	51888.0	-16906.3	34557.9	2814.6	56635.7	-21663.8
10.92	38444.7	-864.3	50502.9	-15739.0	34224.3	3365.7	55090.5	-20336.1
10.13	39151.1	1552.6	47407.6	-15766.9	35283.3	5429.1	51611.9	-19979.9
10.23	38670.2	2251.3	46022.6	-14599.7	34949.7	5980.2	50066.7	-18652.3
10.33	38189.3	2950.0	44637.5	-13432.4	34616.0	6531.3	48521.5	-17324.5
10.43	38356.0	954.8	47959.2	-14925.6	34488.2	4831.4	52163.4	-19138.6
10.53	37875.1	1653.5	46574.1	-13758.4	34154.6	5382.4	50618.3	-17810.9
10.63	37394.2	2352.2	45189.0	-12591.1	33820.9	5933.6	49073.1	-16483.2
10.73	37560.9	357.0	48510.7	-14084.3	33693.1	4233.6	52715.0	-18297.3
10.83	37080.0	1055.7	47125.7	-12917.0	33359.4	4784.7	51169.8	-16969.6
10.93	36599.1	1754.5	45740.6	-11749.8	33025.8	5335.8	49624.6	-15641.9

D3-11220-2
75

TABLE XII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS). CONDITION 10

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
10.11	6969.6	6969.6	9151.1	9151.1	-1848.4	-1848.4
10.21	6969.6	6969.6	9151.1	9151.1	-1848.4	-1848.4
10.31	6969.6	6969.6	9151.1	9151.1	-1848.4	-1848.4
10.41	6704.2	6704.2	9416.4	9416.4	-1848.4	-1848.4
10.51	6704.2	6704.2	9416.4	9416.4	-1848.4	-1848.4
10.61	6704.2	6704.2	9416.4	9416.4	-1848.4	-1848.4
10.71	6438.9	6438.9	9681.8	9681.8	-1848.4	-1848.4
10.81	6438.9	6438.9	9681.8	9681.8	-1848.4	-1848.4
10.91	6438.9	6438.9	9681.8	9681.8	-1848.4	-1848.4
10.12	7936.4	7936.4	6090.8	6090.8	-1848.4	-1848.4
10.22	7936.4	7936.4	6090.8	6090.8	-1848.4	-1848.4
10.32	7936.4	7936.4	6090.8	6090.8	-1848.4	-1848.4
10.42	7671.0	7671.0	6356.1	6356.1	-1848.4	-1848.4
10.52	7671.0	7671.0	6356.1	6356.1	-1848.4	-1848.4
10.62	7671.0	7671.0	6356.1	6356.1	-1848.4	-1848.4
10.72	7405.7	7405.7	6621.5	6621.5	-1848.4	-1848.4
10.82	7405.7	7405.7	6621.5	6621.5	-1848.4	-1848.4
10.92	7405.7	7405.7	6621.5	6621.5	-1848.4	-1848.4
10.13	8903.2	8903.2	3030.4	3030.4	-1848.4	-1848.4
10.23	8903.2	8903.2	3030.4	3030.4	-1848.4	-1848.4
10.33	8903.2	8903.2	3030.4	3030.4	-1848.4	-1848.4
10.43	8637.8	8637.8	3295.8	3295.8	-1848.4	-1848.4
10.53	8637.8	8637.8	3295.8	3295.8	-1848.4	-1848.4
10.63	8637.8	8637.8	3295.8	3295.8	-1848.4	-1848.4
10.73	8372.5	8372.5	3561.2	3561.2	-1848.4	-1848.4
10.83	8372.5	8372.5	3561.2	3561.2	-1848.4	-1848.4
10.93	8372.5	8372.5	3561.2	3561.2	-1848.4	-1848.4

D3-11220-2
76

TABLE XII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 10

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
10.11	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.21	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.31	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.41	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.51	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.61	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.71	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.81	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.91	0.0	-27440.0	73500.0	3696.7	4146.1	2910.6	-6.497577E 05	-5.590054E 05
10.12	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.22	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.32	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.42	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.52	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.62	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.72	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.82	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.92	0.0	-27440.0	73500.0	3696.7	-40.9	2910.6	-6.497577E 05	1.520952E 04
10.13	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.23	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.33	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.43	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.53	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.63	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.73	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.83	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05
10.93	0.0	-27440.0	73500.0	3696.7	-4228.0	2910.6	-6.497577E 05	5.894247E 05

D3-11220-2
77

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TABLE XII (CONTINUED)
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 10

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT*3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
10.11	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.21	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.31	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.41	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.51	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.61	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.71	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.81	0.0023769	143.775	170.210	0.000	-26.000	14.000	-12.980
10.91	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.12	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.22	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.32	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.42	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.52	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.62	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.72	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.82	0.0023769	143.775	170.210	0.000	-26.000	14.000	0.000
10.92	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.13	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.23	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.33	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.43	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.53	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.63	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.73	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.83	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980
10.93	0.0023769	143.775	170.210	0.000	-26.000	14.000	12.980

D3-11220-2
78

TABLE XII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 10

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
10.11	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
10.21	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
10.31	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
10.41	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
10.51	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
10.61	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
10.71	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
10.81	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
10.91	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350
10.12	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
10.22	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
10.32	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
10.42	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
10.52	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
10.62	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
10.72	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
10.82	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
10.92	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350
10.13	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
10.23	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
10.33	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
10.43	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
10.53	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
10.63	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
10.73	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
10.83	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
10.93	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350

D3-11220-2

79

TABLE XIII
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 11

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
11.11	-22490.3	-33824.2	-16407.5	0.0	0.0	3164.6	8924.6	-4851.8	-30028.5
11.21	-22490.3	-32920.7	-17311.1	0.0	0.0	3164.6	8924.6	-4851.8	-30028.5
11.31	-22490.3	-32017.1	-18214.7	0.0	0.0	3164.6	8924.6	-4851.8	-30028.5
11.41	-21567.1	-34195.4	-16959.5	0.0	0.0	3338.5	8750.7	-4558.8	-30321.5
11.51	-21567.1	-33291.8	-17863.0	0.0	0.0	3338.5	8750.7	-4558.8	-30321.5
11.61	-21567.1	-32388.2	-18766.6	0.0	0.0	3338.5	8750.7	-4558.8	-30321.5
11.71	-20644.0	-34566.5	-17511.4	0.0	0.0	3512.4	8576.7	-4265.8	-30614.5
11.81	-20644.0	-33663.0	-18415.0	0.0	0.0	3512.4	8576.7	-4265.8	-30614.5
11.91	-20644.0	-32759.4	-19318.6	0.0	0.0	3512.4	8576.7	-4265.8	-30614.5
11.12	-22490.3	-33325.5	-16906.3	0.0	0.0	1781.4	10307.8	-7182.1	-20124.1
11.22	-22490.3	-32421.9	-17809.8	0.0	0.0	1781.4	10307.8	-7182.1	-20124.1
11.32	-22490.3	-31518.4	-18713.4	0.0	0.0	1781.4	10307.8	-7182.1	-20124.1
11.42	-21567.1	-33696.6	-17458.2	0.0	0.0	1955.3	10133.9	-6889.1	-20417.1
11.52	-21567.1	-32793.1	-18361.8	0.0	0.0	1955.3	10133.9	-6889.1	-20417.1
11.62	-21567.1	-31889.5	-19265.3	0.0	0.0	1955.3	10133.9	-6889.1	-20417.1
11.72	-20644.0	-34067.8	-18010.1	0.0	0.0	2129.2	9959.9	-6596.1	-20710.1
11.82	-20644.0	-33164.3	-18913.7	0.0	0.0	2129.2	9959.9	-6596.1	-20710.1
11.92	-20644.0	-32260.7	-19817.3	0.0	0.0	2129.2	9959.9	-6596.1	-20710.1
11.13	-22490.3	-32826.8	-17404.9	0.0	0.0	398.2	11691.0	-9512.3	-10219.7
11.23	-22490.3	-31923.3	-18308.5	0.0	0.0	398.2	11691.0	-9512.3	-10219.7
11.33	-22490.3	-31019.7	-19212.1	0.0	0.0	398.2	11691.0	-9512.3	-10219.7
11.43	-21567.1	-33197.9	-17956.9	0.0	0.0	572.1	11517.1	-9219.3	-10512.7
11.53	-21567.1	-32294.4	-18860.5	0.0	0.0	572.1	11517.1	-9219.3	-10512.7
11.63	-21567.1	-31390.8	-19764.0	0.0	0.0	572.1	11517.1	-9219.3	-10512.7
11.73	-20644.0	-33569.1	-18508.9	0.0	0.0	746.0	11343.1	-8926.3	-10805.7
11.83	-20644.0	-32665.5	-19412.4	0.0	0.0	746.0	11343.1	-8926.3	-10805.7
11.93	-20644.0	-31762.0	-20316.0	0.0	0.0	746.0	11343.1	-8926.3	-10805.7

D3-11220-2
80

TABLE XIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 11

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
11.11	44015.9	-6098.3	62027.0	-25467.6	38344.5	-414.1	68191.7	-31645.1
11.21	43535.0	-5399.6	60642.0	-24300.4	38010.9	137.0	66646.6	-30317.4
11.31	43054.1	-4700.8	59256.9	-23133.1	37677.3	688.1	65101.4	-28989.7
11.41	43220.8	-6696.0	62578.6	-24626.3	37549.4	-1011.8	68743.3	-30803.8
11.51	42739.9	-5997.3	61193.5	-23459.0	37215.8	-460.7	67198.1	-29476.1
11.61	42259.0	-5298.6	59808.4	-22291.7	36882.2	90.4	65652.9	-28148.4
11.71	42425.7	-7293.8	63130.1	-23784.9	36754.3	-1609.6	69294.8	-29962.5
11.81	41944.8	-6595.1	61745.1	-22617.7	36420.7	-1058.5	67749.7	-28634.8
11.91	41463.9	-5896.4	60360.0	-21450.5	36087.1	-507.4	66204.5	-27307.1
11.12	40677.2	-1361.1	53412.2	-18251.2	36176.5	3149.7	58304.3	-23153.5
11.22	40196.3	-662.4	52027.1	-17084.0	35842.9	3700.8	56759.1	-21825.8
11.32	39715.4	36.4	50642.0	-15916.7	35509.3	4251.9	55213.9	-20498.1
11.42	39882.1	-1958.8	53963.7	-17409.9	35381.4	2552.0	58855.8	-22312.2
11.52	39401.2	-1260.1	52578.6	-16242.6	35047.8	3103.1	57310.7	-20984.5
11.62	38920.3	-561.4	51193.5	-15075.3	34714.2	3654.2	55765.5	-19656.8
11.72	39087.0	-2556.6	54515.3	-16568.6	34586.3	1954.2	59407.4	-21470.9
11.82	38606.1	-1857.9	53130.2	-15401.3	34252.7	2505.3	57862.3	-20143.2
11.92	38125.2	-1159.2	51745.1	-14234.0	33919.1	3056.4	56317.1	-18815.5
11.13	37338.5	3376.1	44797.3	-11034.8	34008.6	6713.5	48416.9	-14661.9
11.23	36857.6	4074.8	43412.3	-9867.6	33674.9	7264.6	46871.7	-13334.2
11.33	36376.6	4773.5	42027.2	-8700.3	33341.3	7815.7	45326.5	-12006.5
11.43	36543.3	2778.3	45348.8	-10193.5	33213.4	6115.8	48968.4	-13820.6
11.53	36062.5	3477.0	43963.8	-9026.3	32879.8	6666.9	47423.3	-12492.9
11.63	35581.5	4175.8	42578.7	-7859.0	32546.2	7218.0	45878.0	-11165.2
11.73	35748.2	2180.6	45900.4	-9352.2	32418.3	5518.0	49519.9	-12979.2
11.83	35267.3	2879.3	44515.3	-8184.9	32084.7	6069.1	47974.8	-11651.6
11.93	34786.4	3578.0	43130.2	-7017.6	31751.1	6620.2	46429.6	-10323.9

03-11220-2

81

TABLE XIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 11

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
11.11	6309.0	6309.0	11458.8	11458.8	-6044.6	-6044.6
11.21	6309.0	6309.0	11458.8	11458.8	-6044.6	-6044.6
11.31	6309.0	6309.0	11458.8	11458.8	-6044.6	-6044.6
11.41	6043.7	6043.7	11724.1	11724.1	-6044.6	-6044.6
11.51	6043.7	6043.7	11724.1	11724.1	-6044.6	-6044.6
11.61	6043.7	6043.7	11724.1	11724.1	-6044.6	-6044.6
11.71	5778.3	5778.3	11989.5	11989.5	-6044.6	-6044.6
11.81	5778.3	5778.3	11989.5	11989.5	-6044.6	-6044.6
11.91	5778.3	5778.3	11989.5	11989.5	-6044.6	-6044.6
11.12	8057.9	8057.9	5922.8	5922.8	-6044.6	-6044.6
11.22	8057.9	8057.9	5922.8	5922.8	-6044.6	-6044.6
11.32	8057.9	8057.9	5922.8	5922.8	-6044.6	-6044.6
11.42	7792.5	7792.5	6188.1	6188.1	-6044.6	-6044.6
11.52	7792.5	7792.5	6188.1	6188.1	-6044.6	-6044.6
11.62	7792.5	7792.5	6188.1	6188.1	-6044.6	-6044.6
11.72	7527.2	7527.2	6453.5	6453.5	-6044.6	-6044.6
11.82	7527.2	7527.2	6453.5	6453.5	-6044.6	-6044.6
11.92	7527.2	7527.2	6453.5	6453.5	-6044.6	-6044.6
11.13	<u>9806.8</u>	<u>9806.8</u>	386.8	386.8	-6044.6	-6044.6
11.23	9806.8	9806.8	386.8	386.8	-6044.6	-6044.6
11.33	9806.8	9806.8	386.8	386.8	-6044.6	-6044.6
11.43	9541.4	9541.4	652.1	652.1	-6044.6	-6044.6
11.53	9541.4	9541.4	652.1	652.1	-6044.6	-6044.6
11.63	9541.4	9541.4	652.1	652.1	-6044.6	-6044.6
11.73	9276.1	9276.1	917.5	917.5	-6044.6	-6044.6
11.83	9276.1	9276.1	917.5	917.5	-6044.6	-6044.6
11.93	9276.1	9276.1	917.5	917.5	-6044.6	-6044.6

D3-11220-2
82

TABLE XIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 11

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN.
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
11.11	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.21	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.31	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.41	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.51	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.61	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.71	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.81	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.91	0.0	-27440.0	73500.0	12089.2	7440.3	778.0	-2.714220E 04	-9.889950E 05
11.12	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.22	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.32	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.42	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.52	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.62	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.72	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.82	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.92	0.0	-27440.0	73500.0	12089.2	-133.8	778.0	-2.714220E 04	4.973878E 04
11.13	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.23	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.33	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.43	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.53	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.63	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.73	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.83	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06
11.93	0.0	-27440.0	73500.0	12089.2	-7708.0	778.0	-2.714220E 04	1.088472E 06

TABLE XIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 11

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
11.11	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.21	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.31	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.41	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.51	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.61	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.71	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.81	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.91	0.0023769	260.000	170.210	0.000	-26.000	-0.500	-7.180
11.12	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.22	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.32	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.42	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.52	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.62	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.72	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.82	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.92	0.0023769	260.000	170.210	0.000	-26.000	-0.500	0.000
11.13	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.23	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.33	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.43	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.53	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.63	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.73	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.83	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180
11.93	0.0023769	260.000	170.210	0.000	-26.000	-0.500	7.180

D3-11220-2
84

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TABLE XIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 11

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
11.11	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
11.21	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
11.31	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
11.41	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
11.51	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
11.61	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
11.71	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
11.81	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
11.91	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350
11.12	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
11.22	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
11.32	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
11.42	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
11.52	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
11.62	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
11.72	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
11.82	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
11.92	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350
11.13	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
11.23	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
11.33	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
11.43	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
11.53	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
11.63	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
11.73	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
11.83	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
11.93	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350

D3-11220-2

85

TABLE XIV
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 12

PYLON HOOK LOADS - ULTIMATE
 PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)
 CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
12.11	-22267.6	-34054.4	-16692.4	0.0	0.0	2528.5	8405.0	-4950.0	-29572.1
12.21	-22267.6	-33150.9	-17596.0	0.0	0.0	2528.5	8405.0	-4950.0	-29572.1
12.31	-22267.6	-32247.3	-18499.5	0.0	0.0	2528.5	8405.0	-4950.0	-29572.1
12.41	-21344.5	-34425.6	-17244.4	0.0	0.0	2702.4	8231.1	-4657.0	-29865.1
12.51	-21344.5	-33522.0	-18147.9	0.0	0.0	2702.4	8231.1	-4657.0	-29865.1
12.61	-21344.5	-32618.4	-19051.5	0.0	0.0	2702.4	8231.1	-4657.0	-29865.1
12.71	-20421.4	-34796.7	-17796.3	0.0	0.0	2876.3	8057.1	-4364.0	-30158.1
12.81	-20421.4	-33893.2	-18699.8	0.0	0.0	2876.3	8057.1	-4364.0	-30158.1
12.91	-20421.4	-32989.6	-19603.4	0.0	0.0	2876.3	8057.1	-4364.0	-30158.1
12.12	-22267.6	-33580.1	-17166.7	0.0	0.0	1213.0	9720.4	-7166.0	-20152.9
12.22	-22267.6	-32676.6	-18070.2	0.0	0.0	1213.0	9720.4	-7166.0	-20152.9
12.32	-22267.6	-31773.0	-18973.8	0.0	0.0	1213.0	9720.4	-7166.0	-20152.9
12.42	-21344.5	-33951.3	-17718.6	0.0	0.0	1387.0	9546.5	-6873.0	-20445.9
12.52	-21344.5	-33047.8	-18622.2	0.0	0.0	1387.0	9546.5	-6873.0	-20445.9
12.62	-21344.5	-32144.2	-19525.7	0.0	0.0	1387.0	9546.5	-6873.0	-20445.9
12.72	-20421.4	-34322.4	-18270.6	0.0	0.0	1560.9	9372.6	-6580.0	-20738.9
12.82	-20421.4	-33418.9	-19174.1	0.0	0.0	1560.9	9372.6	-6580.0	-20738.9
12.92	-20421.4	-32515.3	-20077.7	0.0	0.0	1560.9	9372.6	-6580.0	-20738.9
12.13	-22267.6	-33105.9	-17641.0	0.0	0.0	-102.4	11035.9	-9382.1	-10733.8
12.23	-22267.6	-32202.3	-18544.5	0.0	0.0	-102.4	11035.9	-9382.1	-10733.8
12.33	-22267.6	-31298.7	-19448.1	0.0	0.0	-102.4	11035.9	-9382.1	-10733.8
12.43	-21344.5	-33477.0	-18192.9	0.0	0.0	71.5	10861.9	-9089.1	-11026.8
12.53	-21344.5	-32573.5	-19096.4	0.0	0.0	71.5	10861.9	-9089.1	-11026.8
12.63	-21344.5	-31669.9	-20000.0	0.0	0.0	71.5	10861.9	-9089.1	-11026.8
12.73	-20421.4	-33848.2	-18744.8	0.0	0.0	245.4	10688.0	-8796.1	-11319.8
12.83	-20421.4	-32944.6	-19648.4	0.0	0.0	245.4	10688.0	-8796.1	-11319.8
12.93	-20421.4	-32041.1	-20552.0	0.0	0.0	245.4	10688.0	-8796.1	-11319.8

TABLE XIV (CONTINUED)
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 12

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
12.11	6378.0	6378.0	11210.7	11210.7	-5466.7	-5466.7
12.21	6378.0	6378.0	11210.7	11210.7	-5466.7	-5466.7
12.31	6378.0	6378.0	11210.7	11210.7	-5466.7	-5466.7
12.41	6112.6	6112.6	11476.0	11476.0	-5466.7	-5466.7
12.51	6112.6	6112.6	11476.0	11476.0	-5466.7	-5466.7
12.61	6112.6	6112.6	11476.0	11476.0	-5466.7	-5466.7
12.71	5847.2	5847.2	11741.4	11741.4	-5466.7	-5466.7
12.81	5847.2	5847.2	11741.4	11741.4	-5466.7	-5466.7
12.91	5847.2	5847.2	11741.4	11741.4	-5466.7	-5466.7
12.12	8041.2	8041.2	5945.9	5945.9	-5466.7	-5466.7
12.22	8041.2	8041.2	5945.9	5945.9	-5466.7	-5466.7
12.32	8041.2	8041.2	5945.9	5945.9	-5466.7	-5466.7
12.42	7775.8	7775.8	6211.3	6211.3	-5466.7	-5466.7
12.52	7775.8	7775.8	6211.3	6211.3	-5466.7	-5466.7
12.62	7775.8	7775.8	6211.3	6211.3	-5466.7	-5466.7
12.72	7510.4	7510.4	6476.6	6476.6	-5466.7	-5466.7
12.82	7510.4	7510.4	6476.6	6476.6	-5466.7	-5466.7
12.92	7510.4	7510.4	6476.6	6476.6	-5466.7	-5466.7
12.13	9704.4	9704.4	681.1	681.1	-5466.7	-5466.7
12.23	9704.4	9704.4	681.1	681.1	-5466.7	-5466.7
12.33	9704.4	9704.4	681.1	681.1	-5466.7	-5466.7
12.43	9439.0	9439.0	946.5	946.5	-5466.7	-5466.7
12.53	9439.0	9439.0	946.5	946.5	-5466.7	-5466.7
12.63	9439.0	9439.0	946.5	946.5	-5466.7	-5466.7
12.73	9173.7	9173.7	1211.9	1211.9	-5466.7	-5466.7
12.83	9173.7	9173.7	1211.9	1211.9	-5466.7	-5466.7
12.93	9173.7	9173.7	1211.9	1211.9	-5466.7	-5466.7

TABLE XIV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 12

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN

AIRLOAD FORCES - PLUS AFT, RIGHT AND UP

AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
12.11	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.21	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.31	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.41	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.51	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.61	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.71	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.81	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.91	0.0	-27440.0	73500.0	10933.5	7082.1	485.6	2.778858E 04	-9.428593E 05
12.12	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.22	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.32	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.42	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.52	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.62	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.72	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.82	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.92	0.0	-27440.0	73500.0	10933.5	-121.0	485.6	2.778858E 04	4.498382E 04
12.13	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.23	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.33	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.43	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.53	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.63	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.73	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.83	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06
12.93	0.0	-27440.0	73500.0	10933.5	-7324.2	485.6	2.778858E 04	1.032827E 06

03-11220-2

TABLE XIV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 12

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
12.11	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.21	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.31	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.41	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.51	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.61	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.71	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.81	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.91	0.0007699	247.260	170.210	0.000	-26.000	-0.900	-7.550
12.12	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.22	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.32	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.42	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.52	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.62	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.72	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.82	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.92	0.0007699	247.260	170.210	0.000	-26.000	-0.900	0.000
12.13	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.23	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.33	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.43	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.53	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.63	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.73	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.83	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550
12.93	0.0007699	247.260	170.210	0.000	-26.000	-0.900	7.550

D3-11220-2
90

TABLE XIV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 12

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
12.11	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
12.21	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
12.31	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
12.41	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
12.51	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
12.61	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
12.71	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
12.81	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
12.91	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350
12.12	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
12.22	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
12.32	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
12.42	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
12.52	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
12.62	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
12.72	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
12.82	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
12.92	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350
12.13	49000.0	0.00	-0.56	1.50	167.560	-0.650	-27.350
12.23	49000.0	0.00	-0.56	1.50	167.560	0.000	-27.350
12.33	49000.0	0.00	-0.56	1.50	167.560	0.650	-27.350
12.43	49000.0	0.00	-0.56	1.50	170.210	-0.650	-27.350
12.53	49000.0	0.00	-0.56	1.50	170.210	0.000	-27.350
12.63	49000.0	0.00	-0.56	1.50	170.210	0.650	-27.350
12.73	49000.0	0.00	-0.56	1.50	172.860	-0.650	-27.350
12.83	49000.0	0.00	-0.56	1.50	172.860	0.000	-27.350
12.93	49000.0	0.00	-0.56	1.50	172.860	0.650	-27.350

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D3-11220-2

TABLE XV
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 13

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
13.11	28459.7	0.0	0.0	22315.9	21376.7	-33956.9	-35297.2	1129.0	-5568.7
13.21	28459.7	0.0	0.0	21587.9	22104.7	-33842.6	-35411.5	1321.5	-5761.2
13.31	28459.7	0.0	0.0	20859.8	22832.7	-33728.3	-35525.7	1514.0	-5953.7
13.41	27518.1	0.0	0.0	22786.6	21847.5	-33956.9	-35297.2	1129.0	-5568.7
13.51	27518.1	0.0	0.0	22058.7	22575.5	-33842.6	-35411.5	1321.5	-5761.2
13.61	27518.1	0.0	0.0	21330.6	23303.5	-33728.3	-35525.7	1514.0	-5953.7
13.71	26576.5	0.0	0.0	23257.4	22318.2	-33956.9	-35297.2	1129.0	-5568.7
13.81	26576.5	0.0	0.0	22529.4	23046.2	-33842.6	-35411.5	1321.5	-5761.2
13.91	26576.5	0.0	0.0	21801.4	23774.3	-33728.3	-35525.7	1514.0	-5953.7
13.12	28459.7	0.0	0.0	22565.3	21127.3	-34776.3	-34477.8	-251.4	298.4
13.22	28459.7	0.0	0.0	21837.3	21855.3	-34662.0	-34592.1	-58.9	105.9
13.32	28459.7	0.0	0.0	21109.3	22583.3	-34547.7	-34706.4	133.6	-86.6
13.42	27518.1	0.0	0.0	23036.1	21598.0	-34776.3	-34477.8	-251.4	298.4
13.52	27518.1	0.0	0.0	22308.1	22326.0	-34662.0	-34592.1	-58.9	105.9
13.62	27518.1	0.0	0.0	21580.1	23054.0	-34547.7	-34706.4	133.6	-86.6
13.72	26576.5	0.0	0.0	23506.9	22068.8	-34776.3	-34477.8	-251.4	298.4
13.82	26576.5	0.0	0.0	22778.9	22796.8	-34662.0	-34592.1	-58.9	105.9
13.92	26576.5	0.0	0.0	22050.8	23524.8	-34547.7	-34706.4	133.6	-86.6
13.13	28459.7	0.0	0.0	22814.7	20877.8	-35595.6	-33658.4	-1631.7	6165.5
13.23	28459.7	0.0	0.0	22086.7	21605.8	-35481.3	-33772.7	-1439.2	5973.0
13.33	28459.7	0.0	0.0	21358.7	22333.8	-35367.1	-33887.0	-1246.7	5780.5
13.43	27518.1	0.0	0.0	23285.5	21348.6	-35595.6	-33658.4	-1631.7	6165.5
13.53	27518.1	0.0	0.0	22557.5	22076.6	-35481.3	-33772.7	-1439.2	5973.0
13.63	27518.1	0.0	0.0	21829.5	22804.6	-35367.1	-33887.0	-1246.7	5780.5
13.73	26576.5	0.0	0.0	23756.3	21819.4	-35595.6	-33658.4	-1631.7	6165.5
13.83	26576.5	0.0	0.0	23028.3	22547.4	-35481.3	-33772.7	-1439.2	5973.0
13.93	26576.5	0.0	0.0	22300.3	23275.4	-35367.1	-33887.0	-1246.7	5780.5

D3-11220-2
92

TABLE XV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 13

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
13.11	-33766.1	-37326.9	2023.2	-4872.4	-34302.1	-36789.7	2605.8	-5456.2
13.21	-33332.4	-37966.8	3357.9	-6001.0	-34018.7	-37279.0	4103.9	-6748.5
13.31	-32898.7	-38606.6	4692.7	-7129.6	-33735.2	-37768.3	5601.9	-8040.7
13.41	-33043.3	-36604.1	1339.4	-5634.3	-33579.3	-36066.9	1922.1	-6218.1
13.51	-32609.6	-37244.0	2674.2	-6762.8	-33295.9	-36556.2	3420.1	-7510.3
13.61	-32175.9	-37883.8	4009.0	-7891.4	-33012.4	-37045.5	4918.2	-8802.6
13.71	-32320.5	-35881.3	655.7	-6396.1	-32856.5	-35344.1	1238.4	-6980.0
13.81	-31886.8	-36521.2	1990.5	-7524.7	-32573.1	-35833.4	2736.4	-8272.2
13.91	-31453.1	-37161.1	3325.2	-8653.3	-32289.6	-36322.7	4234.5	-9564.4
13.12	-35743.9	-34520.7	-3080.0	-597.6	-35586.4	-34678.6	-3251.2	-426.1
13.22	-35310.2	-35160.6	-1745.3	-1726.2	-35302.9	-35167.9	-1753.2	-1718.3
13.32	-34876.5	-35800.5	-410.5	-2854.8	-35019.4	-35657.2	-255.1	-3010.5
13.42	-35021.1	-33797.9	-3763.8	-1359.5	-34863.6	-33955.8	-3935.0	-1187.9
13.52	-34587.4	-34437.8	-2429.0	-2488.0	-34580.1	-34445.1	-2436.9	-2480.1
13.62	-34153.7	-35077.7	-1094.3	-3616.7	-34296.6	-34934.4	-938.8	-3772.4
13.72	-34298.3	-33075.1	-4447.5	-2121.3	-34140.8	-33233.0	-4618.7	-1949.8
13.82	-33864.6	-33715.0	-3112.7	-3249.9	-33857.3	-33722.3	-3120.6	-3242.0
13.92	-33430.9	-34354.9	-1778.0	-4378.5	-33573.9	-34211.6	-1622.6	-4534.2
13.13	-37721.6	-31714.6	-8183.2	3677.2	-36870.6	-32567.5	-9108.3	4604.1
13.23	-37287.9	-32354.4	-6848.5	2548.6	-36587.2	-33056.8	-7610.2	3311.9
13.33	-36854.2	-32994.3	-5513.7	1420.0	-36303.7	-33546.1	-6112.1	2019.7
13.43	-36998.8	-30991.8	-8867.0	2915.3	-36147.8	-31844.7	-9792.0	3842.3
13.53	-36565.1	-31631.6	-7532.2	1786.7	-35864.4	-32334.0	-8293.9	2550.0
13.63	-36131.4	-32271.5	-6197.5	658.1	-35580.9	-32823.3	-6795.9	1257.8
13.73	-36276.1	-30269.0	-9550.7	2153.4	-35425.0	-31121.9	-10475.7	3080.4
13.83	-35842.4	-30908.8	-8215.9	1024.9	-35141.6	-31611.2	-8977.7	1788.2
13.93	-35408.6	-31548.7	-6881.2	-103.7	-34858.1	-32100.5	-7479.6	495.9

D3-11220-2
93

TABLE XV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 13

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 S4 POUNDS POUNDS		D3 POUNDS	D4 POUNDS
13.11	-984.6	-984.6	3204.4	3204.4	35504.5	35504.5
13.21	-1158.9	-1158.9	3378.8	3378.8	35504.5	35504.5
13.31	-1333.3	-1333.3	3553.1	3553.1	35504.5	35504.5
13.41	-984.6	-984.6	3204.4	3204.4	35504.5	35504.5
13.51	-1158.9	-1158.9	3378.8	3378.8	35504.5	35504.5
13.61	-1333.3	-1333.3	3553.1	3553.1	35504.5	35504.5
13.71	-984.6	-984.6	3204.4	3204.4	35504.5	35504.5
13.81	-1158.9	-1158.9	3378.8	3378.8	35504.5	35504.5
13.91	-1333.3	-1333.3	3553.1	3553.1	35504.5	35504.5
13.12	51.4	51.4	-74.9	-74.9	35504.5	35504.5
13.22	-122.9	-122.9	99.4	99.4	35504.5	35504.5
13.32	-297.3	-297.3	273.8	273.8	35504.5	35504.5
13.42	51.4	51.4	-74.9	-74.9	35504.5	35504.5
13.52	-122.9	-122.9	99.4	99.4	35504.5	35504.5
13.62	-297.3	-297.3	273.8	273.8	35504.5	35504.5
13.72	51.4	51.4	-74.9	-74.9	35504.5	35504.5
13.82	-122.9	-122.9	99.4	99.4	35504.5	35504.5
13.92	-297.3	-297.3	273.8	273.8	35504.5	35504.5
13.13	1087.4	1087.4	-3354.3	-3354.3	35504.5	35504.5
13.23	913.1	913.1	-3179.9	-3179.9	35504.5	35504.5
13.33	738.7	738.7	-3005.6	-3005.6	35504.5	35504.5
13.43	1087.4	1087.4	-3354.3	-3354.3	35504.5	35504.5
13.53	913.1	913.1	-3179.9	-3179.9	35504.5	35504.5
13.63	738.7	738.7	-3005.6	-3005.6	35504.5	35504.5
13.73	1087.4	1087.4	-3354.3	-3354.3	35504.5	35504.5
13.83	913.1	913.1	-3179.9	-3179.9	35504.5	35504.5
13.93	738.7	738.7	-3005.6	-3005.6	35504.5	35504.5

D3-11220-2
94

TABLE XV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 13

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
13.11	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.21	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.31	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.41	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.51	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.61	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.71	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.81	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.91	73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
13.12	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.22	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.32	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.42	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.52	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.62	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.72	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.82	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.92	73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
13.13	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.23	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.33	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.43	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.53	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.63	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.73	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.83	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
13.93	73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05

95
 D3-11220-2

ORIGINAL PAGE IN
 OF POOR QUALITY

TABLE XV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 13

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
13.11	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.21	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.31	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.41	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.51	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.61	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.71	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.81	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.91	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
13.12	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.22	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.32	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.42	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.52	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.62	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.72	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.82	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.92	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
13.13	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.23	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.33	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.43	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.53	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.63	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.73	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.83	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
13.93	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110

03-11220-2
96

TABLE XV (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 13

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
13.11	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
13.21	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
13.31	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
13.41	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
13.51	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
13.61	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
13.71	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
13.81	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
13.91	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350
13.12	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
13.22	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
13.32	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
13.42	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
13.52	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
13.62	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
13.72	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
13.82	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
13.92	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350
13.13	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
13.23	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
13.33	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
13.43	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
13.53	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
13.63	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
13.73	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
13.83	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
13.93	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350

ORIGINAL PAGE IS
 OF POOR QUALITY
 97
 D3-11220-2

TABLE XVI
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 14

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
14.11	29778.6	0.0	0.0	20794.6	20231.8	-29536.0	-31874.8	1970.1	-9410.4
14.21	29778.6	0.0	0.0	20066.6	20959.8	-29421.7	-31989.1	2162.6	-9602.9
14.31	29778.6	0.0	0.0	19338.6	21687.8	-29307.4	-32103.4	2355.1	-9795.4
14.41	28837.0	0.0	0.0	21265.4	20702.6	-29536.0	-31874.8	1970.1	-9410.4
14.51	28837.0	0.0	0.0	20537.4	21430.6	-29421.7	-31989.1	2162.6	-9602.9
14.61	28837.0	0.0	0.0	19809.4	22158.6	-29307.4	-32103.4	2355.1	-9795.4
14.71	27895.4	0.0	0.0	21736.2	21173.4	-29536.0	-31874.8	1970.1	-9410.4
14.81	27895.4	0.0	0.0	21008.2	21901.4	-29421.7	-31989.1	2162.6	-9602.9
14.91	27895.4	0.0	0.0	20280.2	22629.4	-29307.4	-32103.4	2355.1	-9795.4
14.12	29778.6	0.0	0.0	21215.7	19810.8	-30919.2	-30491.6	-360.1	494.0
14.22	29778.6	0.0	0.0	20487.7	20538.7	-30804.9	-30605.9	-167.6	301.5
14.32	29778.6	0.0	0.0	19759.7	21266.8	-30690.6	-30720.2	24.9	109.0
14.42	28837.0	0.0	0.0	21686.5	20281.5	-30919.2	-30491.6	-360.1	494.0
14.52	28837.0	0.0	0.0	20958.5	21009.5	-30804.9	-30605.9	-167.6	301.5
14.62	28837.0	0.0	0.0	20230.5	21737.5	-30690.6	-30720.2	24.9	109.0
14.72	27895.4	0.0	0.0	22157.3	20752.3	-30919.2	-30491.6	-360.1	494.0
14.82	27895.4	0.0	0.0	21429.3	21480.3	-30804.9	-30605.9	-167.6	301.5
14.92	27895.4	0.0	0.0	20701.3	22208.3	-30690.6	-30720.2	24.9	109.0
14.13	29778.6	0.0	0.0	21636.8	19389.7	-32302.4	-29108.4	-2690.4	10398.4
14.23	29778.6	0.0	0.0	20908.8	20117.7	-32188.1	-29222.7	-2497.9	10205.9
14.33	29778.6	0.0	0.0	20180.8	20845.7	-32073.9	-29337.0	-2305.4	10013.4
14.43	28837.0	0.0	0.0	22107.5	19860.5	-32302.4	-29108.4	-2690.4	10398.4
14.53	28837.0	0.0	0.0	21379.6	20588.5	-32188.1	-29222.7	-2497.9	10205.9
14.63	28837.0	0.0	0.0	20651.6	21316.5	-32073.9	-29337.0	-2305.4	10013.4
14.73	27895.4	0.0	0.0	22578.3	20331.2	-32302.4	-29108.4	-2690.4	10398.4
14.83	27895.4	0.0	0.0	21850.3	21059.2	-32188.1	-29222.7	-2497.9	10205.9
14.93	27895.4	0.0	0.0	21122.3	21787.2	-32073.9	-29337.0	-2305.4	10013.4

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C-2

TABLE XVI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 14

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
14.11	-32314.4	-39144.1	6021.9	-7158.4	-33314.2	-38142.0	7108.7	-8247.5
14.21	-31880.7	-39784.0	7356.6	-8287.0	-33030.7	-38631.3	8606.7	-9539.7
14.31	-31447.0	-40423.9	8691.4	-9415.6	-32747.3	-39120.6	10104.8	-10831.9
14.41	-31591.6	-38421.3	5338.1	-7920.3	-32591.4	-37419.2	6424.9	-9009.3
14.51	-31157.9	-39061.2	6672.9	-9048.8	-32307.9	-37908.5	7923.0	-10301.5
14.61	-30724.2	-39701.1	8007.6	-10177.4	-32024.5	-38397.8	9421.0	-11593.8
14.71	-30868.8	-37698.5	4654.4	-8682.1	-31868.6	-36696.4	5741.2	-9771.2
14.81	-30435.1	-38338.4	5989.2	-9810.7	-31585.2	-37185.7	7239.3	-11063.4
14.91	-30001.4	-38978.3	7323.9	-10939.3	-31301.7	-37675.0	8737.3	-12355.6
14.12	-35653.1	-34406.9	-2593.0	58.0	-35482.2	-34578.2	-2778.8	244.1
14.22	-35219.4	-35046.8	-1258.2	-1070.6	-35198.7	-35067.5	-1280.7	-1048.1
14.32	-34785.7	-35686.7	76.5	-2199.2	-34915.2	-35556.8	217.3	-2340.5
14.42	-34930.3	-33684.1	-3276.7	-703.9	-34759.4	-33855.4	-3462.5	-517.7
14.52	-34496.6	-34324.0	-1942.0	-1832.5	-34475.9	-34344.7	-1964.5	-1809.9
14.62	-34062.9	-34963.9	-607.2	-2961.1	-34192.5	-34834.0	-466.4	-3102.2
14.72	-34207.5	-32961.3	-3960.4	-1465.7	-34036.6	-33132.7	-4146.2	-1279.6
14.82	-33773.8	-33601.2	-2625.7	-2594.3	-33753.1	-33621.9	-2648.2	-2571.8
14.92	-33340.1	-34241.1	-1290.9	-3722.9	-33469.7	-34111.2	-1150.1	-3864.0
14.13	-38991.8	-29669.7	-11207.9	7274.4	-37650.2	-31014.4	-12666.2	8735.8
14.23	-38558.1	-30309.6	-9873.1	6145.8	-37366.7	-31503.7	-11168.2	7443.6
14.33	-38124.4	-30949.5	-8538.4	5017.2	-37083.2	-31993.0	-9670.2	6151.3
14.43	-38269.0	-28946.9	-11891.6	6512.5	-36927.4	-30291.6	-13350.0	7973.9
14.53	-37835.3	-29586.8	-10556.9	5383.9	-36643.9	-30780.9	-11851.9	6681.7
14.63	-37401.6	-30226.7	-9222.1	4255.4	-36360.4	-31270.2	-10353.9	5389.5
14.73	-37546.3	-28224.2	-12575.3	5750.7	-36204.6	-29568.8	-14033.7	7212.1
14.83	-37112.6	-28864.0	-11240.6	4622.1	-35921.1	-30058.1	-12535.6	5919.8
14.93	-36678.9	-29503.9	-9905.8	3493.5	-35637.7	-30547.4	-11037.6	4627.6

D3-11220-2
99

TABLE XVI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 14

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2		D3 POUNDS	D4 POUNDS
			S3 POUNDS	S4 POUNDS		
14.11	-1583.9	-1583.9	5304.1	5304.1	31582.9	31582.9
14.21	-1758.3	-1758.3	5478.4	5478.4	31582.9	31582.9
14.31	-1932.6	-1932.6	5652.8	5652.8	31582.9	31582.9
14.41	-1583.9	-1583.9	5304.1	5304.1	31582.9	31582.9
14.51	-1758.3	-1758.3	5478.4	5478.4	31582.9	31582.9
14.61	-1932.6	-1932.6	5652.8	5652.8	31582.9	31582.9
14.71	-1583.9	-1583.9	5304.1	5304.1	31582.9	31582.9
14.81	-1758.3	-1758.3	5478.4	5478.4	31582.9	31582.9
14.91	-1932.6	-1932.6	5652.8	5652.8	31582.9	31582.9
14.12	165.0	165.0	-231.9	-231.9	31582.9	31582.9
14.22	-9.4	-9.4	-57.6	-57.6	31582.9	31582.9
14.32	-183.7	-183.7	116.8	116.8	31582.9	31582.9
14.42	165.0	165.0	-231.9	-231.9	31582.9	31582.9
14.52	-9.4	-9.4	-57.6	-57.6	31582.9	31582.9
14.62	-183.7	-183.7	116.8	116.8	31582.9	31582.9
14.72	165.0	165.0	-231.9	-231.9	31582.9	31582.9
14.82	-9.4	-9.4	-57.6	-57.6	31582.9	31582.9
14.92	-183.7	-183.7	116.8	116.8	31582.9	31582.9
14.13	1913.9	1913.9	-5767.9	-5767.9	31582.9	31582.9
14.23	1739.5	1739.5	-5593.5	-5593.5	31582.9	31582.9
14.33	1565.2	1565.2	-5419.2	-5419.2	31582.9	31582.9
14.43	1913.9	1913.9	-5767.9	-5767.9	31582.9	31582.9
14.53	1739.5	1739.5	-5593.5	-5593.5	31582.9	31582.9
14.63	1565.2	1565.2	-5419.2	-5419.2	31582.9	31582.9
14.73	1913.9	1913.9	-5767.9	-5767.9	31582.9	31582.9
14.83	1739.5	1739.5	-5593.5	-5593.5	31582.9	31582.9
14.93	1565.2	1565.2	-5419.2	-5419.2	31582.9	31582.9

D3-11220-2
100

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE XVI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 14

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
14.11	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.21	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.31	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.41	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.51	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.61	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.71	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.81	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.91	73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
14.12	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.22	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.32	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.42	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.52	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.62	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.72	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.82	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.92	73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
14.13	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.23	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.33	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.43	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.53	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.63	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.73	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.83	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
14.93	73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06

D3-11220-2
101

TABLE XVI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 14

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
14.11	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.21	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.31	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.41	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.51	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.61	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.71	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.81	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
14.91	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.12	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.22	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.32	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.42	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.52	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.62	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.72	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.82	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
14.92	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.13	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.23	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.33	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.43	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.53	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.63	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.73	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.83	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
14.93	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180

TABLE XVI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 14

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
14.11	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
14.21	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
14.31	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
14.41	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
14.51	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
14.61	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
14.71	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
14.81	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
14.91	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350
14.12	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
14.22	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
14.32	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
14.42	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
14.52	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
14.62	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
14.72	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
14.82	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
14.92	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350
14.13	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
14.23	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
14.33	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
14.43	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
14.53	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
14.63	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
14.73	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
14.83	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
14.93	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350

03-11220-2
103

ORIGINAL PAGE 13
OF POOR QUALITY

TABLE XVII
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 15

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
15.11	30201.8	0.0	0.0	20341.8	19732.8	-30172.1	-32394.4	1871.9	-8954.0
15.21	30201.8	0.0	0.0	19613.8	20460.8	-30057.8	-32508.7	2064.5	-9146.5
15.31	30201.8	0.0	0.0	18885.8	21188.8	-29943.6	-32623.0	2257.0	-9339.0
15.41	29260.2	0.0	0.0	20812.5	20203.6	-30172.1	-32394.4	1871.9	-8954.0
15.51	29260.2	0.0	0.0	20084.6	20931.6	-30057.8	-32508.7	2064.5	-9146.5
15.61	29260.2	0.0	0.0	19356.5	21659.6	-29943.6	-32623.0	2257.0	-9339.0
15.71	28318.7	0.0	0.0	21283.3	20674.4	-30172.1	-32394.4	1871.9	-8954.0
15.81	28318.7	0.0	0.0	20555.3	21402.4	-30057.8	-32508.7	2064.5	-9146.5
15.91	28318.7	0.0	0.0	19827.3	22130.4	-29943.6	-32623.0	2257.0	-9339.0
15.12	30201.8	0.0	0.0	20742.2	19332.4	-31487.5	-31079.0	-344.1	465.2
15.22	30201.8	0.0	0.0	20014.2	20060.4	-31373.3	-31193.3	-151.6	272.7
15.32	30201.8	0.0	0.0	19286.2	20788.4	-31259.0	-31307.6	40.9	80.2
15.42	29260.2	0.0	0.0	21213.0	19803.2	-31487.5	-31079.0	-344.1	465.2
15.52	29260.2	0.0	0.0	20485.0	20531.2	-31373.3	-31193.3	-151.6	272.7
15.62	29260.2	0.0	0.0	19757.0	21259.2	-31259.0	-31307.6	40.9	80.2
15.72	28318.7	0.0	0.0	21683.7	20274.0	-31487.5	-31079.0	-344.1	465.2
15.82	28318.7	0.0	0.0	20955.8	21001.9	-31373.3	-31193.3	-151.6	272.7
15.92	28318.7	0.0	0.0	20227.8	21729.9	-31259.0	-31307.6	40.9	80.2
15.13	30201.8	0.0	0.0	21142.6	18931.9	-32803.0	-29763.6	-2560.2	9884.3
15.23	30201.8	0.0	0.0	20414.6	19659.9	-32688.7	-29877.8	-2367.7	9691.8
15.33	30201.8	0.0	0.0	19686.6	20387.9	-32574.4	-29992.1	-2175.2	9499.3
15.43	29260.2	0.0	0.0	21613.4	19402.7	-32803.0	-29763.6	-2560.2	9884.3
15.53	29260.2	0.0	0.0	20885.4	20130.7	-32688.7	-29877.8	-2367.7	9691.8
15.63	29260.2	0.0	0.0	20157.4	20858.7	-32574.4	-29992.1	-2175.2	9499.3
15.73	28318.7	0.0	0.0	22084.2	19873.5	-32803.0	-29763.6	-2560.2	9884.3
15.83	28318.7	0.0	0.0	21356.2	20601.5	-32688.7	-29877.8	-2367.7	9691.8
15.93	28318.7	0.0	0.0	20628.2	21329.5	-32574.4	-29992.1	-2175.2	9499.3

TABLE XVII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FIN) CONDITION 15

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FIN

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
15.11	-32929.7	-39367.2	6286.6	-6056.1	-33874.2	-38420.6	7313.2	-7084.9
15.21	-32496.0	-40007.0	7621.4	-7184.7	-33590.7	-38909.9	8811.3	-8377.1
15.31	-32062.3	-40646.9	8956.1	-8313.3	-33307.2	-39399.2	10309.3	-9669.3
15.41	-32206.9	-38644.4	5602.9	-6818.0	-33151.4	-37697.8	6629.5	-7846.8
15.51	-31773.2	-39284.2	6937.7	-7946.6	-32867.9	-38187.1	8127.6	-9139.0
15.61	-31339.5	-39924.1	8272.4	-9075.2	-32584.4	-38676.4	9625.6	-10431.2
15.71	-31484.1	-37921.6	4919.2	-7579.9	-32428.6	-36975.0	5945.8	-8608.6
15.81	-31050.4	-38561.5	6253.9	-8708.5	-32145.1	-37464.3	7443.8	-9900.8
15.91	-30616.7	-39201.3	7588.7	-9837.1	-31861.6	-37953.6	8941.9	-11193.1
15.12	-36104.9	-34862.1	-1906.2	806.7	-35935.9	-35031.4	-2089.8	990.7
15.22	-35671.2	-35501.9	-571.4	-321.9	-35652.5	-35520.7	-591.7	-301.5
15.32	-35237.5	-36141.8	763.3	-1450.5	-35369.0	-36010.0	906.3	-1593.7
15.42	-35382.1	-34139.3	-2589.9	44.8	-35213.1	-34308.6	-2773.5	228.8
15.52	-34948.4	-34779.2	-1255.1	-1083.8	-34929.7	-34797.9	-1275.5	-1063.4
15.62	-34514.7	-35419.0	79.6	-2212.4	-34646.2	-35287.2	222.6	-2355.6
15.72	-34659.3	-33416.5	-3273.6	-717.1	-34490.3	-33585.8	-3457.2	-533.1
15.82	-34225.6	-34056.4	-1938.8	-1845.6	-34206.9	-34075.1	-1959.2	-1825.3
15.92	-33791.9	-34696.2	-604.1	-2974.2	-33923.4	-34564.4	-461.1	-3117.5
15.13	-39280.0	-30357.0	-10099.0	7669.5	-37997.7	-31642.2	-11492.9	9066.3
15.23	-38846.3	-30996.8	-8764.3	6541.0	-37714.2	-32131.5	-9994.8	7774.1
15.33	-38412.6	-31636.7	-7429.5	5412.4	-37430.8	-32620.8	-8496.8	6481.8
15.43	-38557.2	-29634.2	-10782.7	6907.7	-37274.9	-30919.4	-12176.6	8304.4
15.53	-38123.5	-30274.0	-9448.0	5779.1	-36991.4	-31408.7	-10678.5	7012.2
15.63	-37689.8	-30913.9	-8113.2	4650.5	-36708.0	-31898.0	-9180.5	5720.0
15.73	-37834.4	-28911.4	-11466.4	6145.8	-36552.1	-30196.6	-12860.3	7542.6
15.83	-37400.7	-29551.3	-10131.7	5017.2	-36268.7	-30685.9	-11362.2	6250.4
15.93	-36967.0	-30191.1	-8796.9	3888.6	-35985.2	-31175.2	-9864.2	4958.1

TABLE XVII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 15

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2		D3 POUNDS	D4 POUNDS
			S3 POUNDS	S4 POUNDS		
15.11	-1515.0	-1515.0	5056.0	5056.0	32160.8	32160.8
15.21	-1689.3	-1689.3	5230.3	5230.3	32160.8	32160.8
15.31	-1863.6	-1863.6	5404.7	5404.7	32160.8	32160.8
15.41	-1515.0	-1515.0	5056.0	5056.0	32160.8	32160.8
15.51	-1689.3	-1689.3	5230.3	5230.3	32160.8	32160.8
15.61	-1863.6	-1863.6	5404.7	5404.7	32160.8	32160.8
15.71	-1515.0	-1515.0	5056.0	5056.0	32160.8	32160.8
15.81	-1689.3	-1689.3	5230.3	5230.3	32160.8	32160.8
15.91	-1863.6	-1863.6	5404.7	5404.7	32160.8	32160.8
15.12	148.2	148.2	-208.8	-208.8	32160.8	32160.8
15.22	-26.1	-26.1	-34.4	-34.4	32160.8	32160.8
15.32	-200.4	-200.4	139.9	139.9	32160.8	32160.8
15.42	148.2	148.2	-208.8	-208.8	32160.8	32160.8
15.52	-26.1	-26.1	-34.4	-34.4	32160.8	32160.8
15.62	-200.4	-200.4	139.9	139.9	32160.8	32160.8
15.72	148.2	148.2	-208.8	-208.8	32160.8	32160.8
15.82	-26.1	-26.1	-34.4	-34.4	32160.8	32160.8
15.92	-200.4	-200.4	139.9	139.9	32160.8	32160.8
15.13	1811.5	1811.5	-5473.5	-5473.5	32160.8	32160.8
15.23	1637.1	1637.1	-5299.2	-5299.2	32160.8	32160.8
15.33	1462.8	1462.8	-5124.8	-5124.8	32160.8	32160.8
15.43	1811.5	1811.5	-5473.5	-5473.5	32160.8	32160.8
15.53	1637.1	1637.1	-5299.2	-5299.2	32160.8	32160.8
15.63	1462.8	1462.8	-5124.8	-5124.8	32160.8	32160.8
15.73	1811.5	1811.5	-5473.5	-5473.5	32160.8	32160.8
15.83	1637.1	1637.1	-5299.2	-5299.2	32160.8	32160.8
15.93	1462.8	1462.8	-5124.8	-5124.8	32160.8	32160.8

TABLE XVII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 15

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
15.11	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.21	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.31	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.41	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.51	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.61	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.71	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.81	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.91	73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
15.12	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.22	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.32	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.42	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.52	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.62	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.72	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.82	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.92	73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
15.13	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.23	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.33	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.43	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.53	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.63	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.73	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.83	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
15.93	73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06

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D3-11220-2
 107

TABLE XVII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 15

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
15.11	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.21	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.31	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.41	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.51	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.61	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.71	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.81	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.91	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
15.12	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.22	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.32	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.42	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.52	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.62	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.72	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.82	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.92	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
15.13	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.23	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.33	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.43	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.53	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.63	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.73	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.83	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
15.93	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550

D3-11220-2
 108

TABLE XVII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 15

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
15.11	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
15.21	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
15.31	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
15.41	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
15.51	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
15.61	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
15.71	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
15.81	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
15.91	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350
15.12	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
15.22	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
15.32	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
15.42	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
15.52	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
15.62	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
15.72	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
15.82	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
15.92	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350
15.13	49000.0	1.50	0.00	-1.53	167.560	-0.650	-27.350
15.23	49000.0	1.50	0.00	-1.53	167.560	0.000	-27.350
15.33	49000.0	1.50	0.00	-1.53	167.560	0.650	-27.350
15.43	49000.0	1.50	0.00	-1.53	170.210	-0.650	-27.350
15.53	49000.0	1.50	0.00	-1.53	170.210	0.000	-27.350
15.63	49000.0	1.50	0.00	-1.53	170.210	0.650	-27.350
15.73	49000.0	1.50	0.00	-1.53	172.860	-0.650	-27.350
15.83	49000.0	1.50	0.00	-1.53	172.860	0.000	-27.350
15.93	49000.0	1.50	0.00	-1.53	172.860	0.650	-27.350

TABLE XVIII
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 16

PYLON HOOK LOADS - ULTIMATE
PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)
· CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
16.11	21597.3	0.0	0.0	25847.3	24707.6	39771.6	37974.3	1514.0	-5953.7
16.21	21597.3	0.0	0.0	25019.0	25535.8	39657.4	38088.5	1321.5	-5761.2
16.31	21597.3	0.0	0.0	24190.7	26364.1	39543.1	38202.8	1129.0	-5568.7
16.41	20655.8	0.0	0.0	26318.1	25178.4	39771.6	37974.3	1514.0	-5953.7
16.51	20655.8	0.0	0.0	25489.8	26006.6	39657.4	38088.5	1321.5	-5761.2
16.61	20655.8	0.0	0.0	24661.5	26834.9	39543.1	38202.8	1129.0	-5568.7
16.71	19714.2	0.0	0.0	26788.9	25649.1	39771.6	37974.3	1514.0	-5953.7
16.81	19714.2	0.0	0.0	25960.6	26477.4	39657.4	38088.5	1321.5	-5761.2
16.91	19714.2	0.0	0.0	25132.3	27305.7	39543.1	38202.8	1129.0	-5568.7
16.12	21597.3	0.0	0.0	26096.7	24458.1	38952.3	38793.6	133.6	-86.6
16.22	21597.3	0.0	0.0	25268.4	25286.4	38838.0	38907.9	-58.9	105.9
16.32	21597.3	0.0	0.0	24440.2	26114.7	38723.7	39022.2	-251.4	298.4
16.42	20655.8	0.0	0.0	26567.5	24928.9	38952.3	38793.6	133.6	-86.6
16.52	20655.8	0.0	0.0	25739.2	25757.2	38838.0	38907.9	-58.9	105.9
16.62	20655.8	0.0	0.0	24910.9	26585.5	38723.7	39022.2	-251.4	298.4
16.72	19714.2	0.0	0.0	27038.3	25399.7	38952.3	38793.6	133.6	-86.6
16.82	19714.2	0.0	0.0	26210.0	26228.0	38838.0	38907.9	-58.9	105.9
16.92	19714.2	0.0	0.0	25381.7	27056.3	38723.7	39022.2	-251.4	298.4
16.13	21597.3	0.0	0.0	26346.1	24208.7	38132.9	39613.0	-1246.7	5780.5
16.23	21597.3	0.0	0.0	25517.9	25037.0	38018.6	39727.3	-1439.2	5973.0
16.33	21597.3	0.0	0.0	24689.6	25865.3	37904.3	39841.5	-1631.7	6165.5
16.43	20655.8	0.0	0.0	26816.9	24679.5	38132.9	39613.0	-1246.7	5780.5
16.53	20655.8	0.0	0.0	25988.6	25507.8	38018.6	39727.3	-1439.2	5973.0
16.63	20655.8	0.0	0.0	25160.4	26336.1	37904.3	39841.5	-1631.7	6165.5
16.73	19714.2	0.0	0.0	27287.7	25150.3	38132.9	39613.0	-1246.7	5780.5
16.83	19714.2	0.0	0.0	26459.4	25978.5	38018.6	39727.3	-1439.2	5973.0
16.93	19714.2	0.0	0.0	25631.1	26806.8	37904.3	39841.5	-1631.7	6165.5

D3-11220-2
110

TABLE XVIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 16

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
16.11	-8855.9	-12431.7	-21525.2	-31129.5	-9391.9	-11894.5	-20942.5	-31713.4
16.21	-8308.6	-13217.2	-20034.4	-32382.1	-8994.8	-12529.4	-19288.5	-33129.6
16.31	-7761.2	-14002.8	-18543.6	-33634.7	-8597.7	-13164.4	-17634.4	-34545.9
16.41	-8133.1	-11708.9	-22208.9	-31891.4	-8669.2	-11171.7	-21626.2	-32475.2
16.51	-7585.8	-12494.5	-20718.1	-33144.0	-8272.0	-11806.6	-19972.2	-33891.5
16.61	-7038.4	-13280.0	-19227.3	-34396.6	-7874.9	-12441.6	-18318.1	-35307.7
16.71	-7410.4	-10986.1	-22892.6	-32653.2	-7946.4	-10448.9	-22310.0	-33237.1
16.81	-6863.0	-11771.7	-21401.8	-33905.8	-7549.3	-11083.9	-20655.9	-34653.3
16.91	-6315.7	-12557.2	-19911.0	-35158.4	-7152.2	-11718.8	-19001.8	-36069.6
16.12	-10833.7	-9625.5	-26628.4	-26854.7	-10676.2	-9783.4	-26799.6	-26683.2
16.22	-10286.4	-10411.1	-25137.6	-28107.3	-10279.1	-10418.3	-25145.5	-28099.4
16.32	-9739.0	-11196.6	-23646.8	-29359.9	-9882.0	-11053.3	-23491.4	-29515.7
16.42	-10110.9	-8902.8	-27312.1	-27616.6	-9953.4	-9060.6	-27483.3	-27445.1
16.52	-9563.6	-9688.3	-25821.3	-28869.2	-9556.3	-9695.6	-25829.2	-28861.3
16.62	-9016.2	-10473.8	-24330.5	-30121.8	-9159.2	-10330.5	-24175.1	-30277.6
16.72	-9388.1	-8180.0	-27995.8	-28378.4	-9230.6	-8337.8	-28167.0	-28206.9
16.82	-8840.8	-8965.5	-26505.1	-29631.0	-8833.5	-8972.8	-26512.9	-29623.1
16.92	-8293.4	-9751.0	-25014.2	-30883.7	-8436.4	-9607.7	-24858.8	-31039.4
16.13	-12811.5	-6819.4	-31731.6	-22579.9	-11960.4	-7672.3	-32656.6	-21653.0
16.23	-12264.1	-7604.9	-30240.8	-23832.5	-11563.3	-8307.3	-31002.5	-23069.2
16.33	-11716.8	-8390.4	-28750.0	-25085.2	-11166.2	-8942.2	-29348.4	-24485.5
16.43	-12088.7	-6096.6	-32415.3	-23341.8	-11237.7	-6949.5	-33340.3	-22414.9
16.53	-11541.3	-6882.1	-30924.5	-24594.4	-10840.5	-7584.5	-31686.2	-23831.1
16.63	-10994.0	-7667.6	-29433.7	-25847.0	-10443.4	-8219.4	-30032.1	-25247.4
16.73	-11365.9	-5373.8	-33099.0	-24103.7	-10514.9	-6226.7	-34024.1	-23176.7
16.83	-10818.5	-6159.3	-31608.3	-25356.3	-10117.8	-6861.7	-32370.0	-24592.9
16.93	-10271.2	-6944.8	-30117.4	-26608.9	-9720.7	-7496.6	-30715.9	-26009.2

D3-11220-2
111

TABLE XVIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 16

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
16.11	-964.4	-964.4	3184.3	3184.3	-39750.4	-39750.4
16.21	-790.1	-790.1	3010.0	3010.0	-39750.4	-39750.4
16.31	-615.8	-615.8	2835.6	2835.6	-39750.4	-39750.4
16.41	-964.4	-964.4	3184.3	3184.3	-39750.4	-39750.4
16.51	-790.1	-790.1	3010.0	3010.0	-39750.4	-39750.4
16.61	-615.8	-615.8	2835.6	2835.6	-39750.4	-39750.4
16.71	-964.4	-964.4	3184.3	3184.3	-39750.4	-39750.4
16.81	-790.1	-790.1	3010.0	3010.0	-39750.4	-39750.4
16.91	-615.8	-615.8	2835.6	2835.6	-39750.4	-39750.4
16.12	71.5	71.5	-95.1	-95.1	-39750.4	-39750.4
16.22	245.9	245.9	-269.4	-269.4	-39750.4	-39750.4
16.32	420.2	420.2	-443.7	-443.7	-39750.4	-39750.4
16.42	71.5	71.5	-95.1	-95.1	-39750.4	-39750.4
16.52	245.9	245.9	-269.4	-269.4	-39750.4	-39750.4
16.62	420.2	420.2	-443.7	-443.7	-39750.4	-39750.4
16.72	71.5	71.5	-95.1	-95.1	-39750.4	-39750.4
16.82	245.9	245.9	-269.4	-269.4	-39750.4	-39750.4
16.92	420.2	420.2	-443.7	-443.7	-39750.4	-39750.4
16.13	1107.5	1107.5	-3374.4	-3374.4	-39750.4	-39750.4
16.23	1281.9	1281.9	-3548.8	-3548.8	-39750.4	-39750.4
16.33	1456.2	1456.2	-3723.1	-3723.1	-39750.4	-39750.4
16.43	1107.5	1107.5	-3374.4	-3374.4	-39750.4	-39750.4
16.53	1281.9	1281.9	-3548.8	-3548.8	-39750.4	-39750.4
16.63	1456.2	1456.2	-3723.1	-3723.1	-39750.4	-39750.4
16.73	1107.5	1107.5	-3374.4	-3374.4	-39750.4	-39750.4
16.83	1281.9	1281.9	-3548.8	-3548.8	-39750.4	-39750.4
16.93	1456.2	1456.2	-3723.1	-3723.1	-39750.4	-39750.4

D3-11220-2
112

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE XVIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 16

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
16.11	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.21	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.31	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.41	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.51	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.61	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.71	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.81	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.91	-73500.0	0.0	-74969.9	4245.9	4439.7	-2817.7	7.323012E 05	-5.978466E 05
16.12	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.22	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.32	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.42	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.52	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.62	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.72	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.82	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.92	-73500.0	0.0	-74969.9	4245.9	-47.0	-2817.7	7.323012E 05	1.746905E 04
16.13	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.23	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.33	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.43	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.53	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.63	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.73	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.83	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05
16.93	-73500.0	0.0	-74969.9	4245.9	-4533.7	-2817.7	7.323012E 05	6.327848E 05

D3-11220-2
113

TABLE XVIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 16

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
16.11	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.21	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.31	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.41	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.51	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.61	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.71	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.81	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.91	0.0023769	154.085	170.210	0.000	-26.000	-15.100	-12.110
16.12	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.22	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.32	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.42	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.52	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.62	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.72	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.82	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.92	0.0023769	154.085	170.210	0.000	-26.000	-15.100	0.000
16.13	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.23	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.33	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.43	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.53	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.63	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.73	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.83	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110
16.93	0.0023769	154.085	170.210	0.000	-26.000	-15.100	12.110

D3-11220-2
114

TABLE XVIII (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 16

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
16.11	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
16.21	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
16.31	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
16.41	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
16.51	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
16.61	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
16.71	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
16.81	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
16.91	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
16.12	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
16.22	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
16.32	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
16.42	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
16.52	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
16.62	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
16.72	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
16.82	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
16.92	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
16.13	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
16.23	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
16.33	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
16.43	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
16.53	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
16.63	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
16.73	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
16.83	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
16.93	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350

03-11220-2
115

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE XIX
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 17

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
17.11	22916.3	0.0	0.0	24326.1	23562.7	44192.5	41396.6	2355.1	-9795.4
17.21	22916.3	0.0	0.0	23497.8	24391.0	44078.3	41510.9	2162.6	-9602.9
17.31	22916.3	0.0	0.0	22669.5	25219.2	43964.0	41625.1	1970.1	-9410.4
17.41	21974.7	0.0	0.0	24796.9	24033.5	44192.5	41396.6	2355.1	-9795.4
17.51	21974.7	0.0	0.0	23968.6	24861.7	44078.3	41510.9	2162.6	-9602.9
17.61	21974.7	0.0	0.0	23140.3	25690.0	43964.0	41625.1	1970.1	-9410.4
17.71	21033.1	0.0	0.0	25267.6	24504.2	<u>44122.5</u>	41396.6	2355.1	-9795.4
17.81	21033.1	0.0	0.0	24439.4	25332.5	44078.3	41510.9	2162.6	-9602.9
17.91	21033.1	0.0	0.0	23611.1	26160.8	43964.0	41625.1	1970.1	-9410.4
17.12	22916.3	0.0	0.0	24747.1	23141.6	42809.3	42779.8	24.9	109.0
17.22	22916.3	0.0	0.0	23918.9	23969.9	42695.1	42894.1	-167.6	301.5
17.32	22916.3	0.0	0.0	23090.6	24798.2	42580.8	43008.3	-360.1	494.0
17.42	21974.7	0.0	0.0	25217.9	23612.4	42809.3	42779.8	24.9	109.0
17.52	21974.7	0.0	0.0	24389.6	24440.7	42695.1	42894.1	-167.6	301.5
17.62	21974.7	0.0	0.0	23561.4	25269.0	42580.8	43008.3	-360.1	494.0
17.72	21033.1	0.0	0.0	25688.7	24083.2	42809.3	42779.8	24.9	109.0
17.82	21033.1	0.0	0.0	24860.4	24911.5	42695.1	42894.1	-167.6	301.5
17.92	21033.1	0.0	0.0	24032.1	25739.8	42580.8	43008.3	-360.1	494.0
17.13	22916.3	0.0	0.0	25168.2	22720.5	41426.1	44163.0	-2305.4	10013.4
17.23	22916.3	0.0	0.0	24339.9	23548.8	41311.9	44277.3	-2497.9	10205.9
17.33	22916.3	0.0	0.0	23511.6	24377.1	41197.6	44391.5	-2690.4	10398.4
17.43	21974.7	0.0	0.0	25639.0	23191.3	41426.1	44163.0	-2305.4	10013.4
17.53	21974.7	0.0	0.0	24810.7	24019.6	41311.9	44277.3	-2497.9	10205.9
17.63	21974.7	0.0	0.0	23982.4	24847.9	41197.6	44391.5	-2690.4	10398.4
17.73	21033.1	0.0	0.0	26109.8	23662.1	41426.1	44163.0	-2305.4	10013.4
17.83	21033.1	0.0	0.0	25281.5	24490.4	41311.9	44277.3	-2497.9	10205.9
17.93	21033.1	0.0	0.0	24453.2	25318.7	41197.6	<u>44391.5</u>	-2690.4	10398.4

TABLE XIX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 17

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
17.11	-7404.2	-14248.9	-17526.5	-33415.5	-8404.0	-13246.8	-16439.7	-34504.6
17.21	-6856.9	-15034.4	-16035.7	-34668.1	-8006.9	-13881.8	-14785.6	-35920.8
17.31	-6309.5	-15820.0	-14544.9	-35920.7	-7609.8	-14516.7	-13131.5	-37337.1
17.41	-6681.4	-13526.1	-18210.2	-34177.4	-7681.2	-12524.0	-17123.4	-35266.4
17.51	-6134.1	-14311.6	-16719.4	-35430.0	-7284.1	-13159.0	-15469.4	-36682.7
17.61	-5586.7	-15097.2	-15228.6	-36682.6	-6887.0	-13793.9	-13815.2	-38098.9
17.71	-5958.6	-12803.3	-18893.9	-34939.2	-6958.5	-11801.3	-17807.1	-36028.3
17.81	-5411.3	-13588.9	-17403.2	-36191.8	-6561.4	-12436.2	-16153.1	-37444.5
17.91	-4863.9	-14374.4	-15912.4	-37444.4	-6164.2	-13071.2	-14499.0	-38860.8
17.12	-10742.9	-9511.7	-26141.3	-26199.1	-10572.0	-9683.0	-26327.1	-26013.0
17.22	-10195.6	-10297.3	-24650.6	-27451.7	-10174.9	-10318.0	-24673.1	-27429.2
17.32	-9648.2	-11082.8	-23159.8	-28704.4	-9777.8	-10952.9	-23018.9	-28845.5
17.42	-10020.1	-8788.9	-26825.1	-26961.0	-9849.2	-8960.2	-27010.9	-26774.8
17.52	-9472.8	-9574.5	-25334.3	-28213.6	-9452.1	-9595.2	-25356.8	-28191.1
17.62	-8925.5	-10360.0	-23843.5	-29466.2	-9055.0	-10230.2	-23702.7	-29607.3
17.72	-9297.4	-8066.2	-27508.8	-27722.8	-9126.4	-8237.5	-27694.6	-27536.7
17.82	-8750.0	-8851.7	-26018.0	-28975.4	-8729.3	-8872.4	-26040.5	-28952.9
17.92	-8202.7	-9637.2	-24527.2	-30228.1	-8332.2	-9507.4	-24386.4	-30369.2
17.13	-14081.7	-4774.5	-34756.3	-18982.7	-12740.0	-6119.2	-36214.6	-17521.3
17.23	-13534.3	-5560.1	-33265.5	-20235.3	-12342.9	-6754.2	-34560.5	-18937.6
17.33	-12987.0	-6345.6	-31774.7	-21487.9	-11945.8	-7389.1	-32906.4	-20353.8
17.43	-13358.9	-4051.7	-35440.0	-19744.6	-12017.2	-5396.4	-36898.4	-18283.2
17.53	-12811.5	-4837.3	-33949.2	-20997.2	-11620.1	-6031.4	-35244.3	-19699.4
17.63	-12264.2	-5622.8	-32458.4	-22249.8	-11223.0	-6666.3	-33590.1	-21115.7
17.73	-12636.1	-3329.0	-36123.7	-20506.4	-11294.4	-4673.6	-37582.1	-19045.0
17.83	-12088.7	-4114.5	-34632.9	-21759.0	-10897.3	-5308.6	-35928.0	-20461.3
17.93	-11541.4	-4900.0	-33142.1	-23011.7	-10500.2	-5943.6	-34273.9	-21877.6

D3-11220-2
117

TABLE XIX (CONTINUED)
 PYLON LOADS (ULTIMATE).- METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 17

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
17.11	-1563.8	-1563.8	5283.9	5283.9	-43672.1	-43672.1
17.21	-1389.4	-1389.4	5109.6	5109.6	-43672.1	-43672.1
17.31	-1215.1	-1215.1	4935.2	4935.2	-43672.1	-43672.1
17.41	-1563.8	-1563.8	5283.9	5283.9	-43672.1	-43672.1
17.51	-1389.4	-1389.4	5109.6	5109.6	-43672.1	-43672.1
17.61	-1215.1	-1215.1	4935.2	4935.2	-43672.1	-43672.1
17.71	-1563.8	-1563.8	5283.9	5283.9	-43672.1	-43672.1
17.81	-1389.4	-1389.4	5109.6	5109.6	-43672.1	-43672.1
17.91	-1215.1	-1215.1	4935.2	4935.2	-43672.1	-43672.1
17.12	185.1	185.1	-252.0	-252.0	-43672.1	-43672.1
17.22	359.5	359.5	-426.4	-426.4	-43672.1	-43672.1
17.32	533.8	533.8	-600.7	-600.7	-43672.1	-43672.1
17.42	185.1	185.1	-252.0	-252.0	-43672.1	-43672.1
17.52	359.5	359.5	-426.4	-426.4	-43672.1	-43672.1
17.62	533.8	533.8	-600.7	-600.7	-43672.1	-43672.1
17.72	185.1	185.1	-252.0	-252.0	-43672.1	-43672.1
17.82	359.5	359.5	-426.4	-426.4	-43672.1	-43672.1
17.92	533.8	533.8	-600.7	-600.7	-43672.1	-43672.1
17.13	1934.0	1934.0	-5788.0	-5788.0	-43672.1	-43672.1
17.23	2108.4	2108.4	-5962.4	-5962.4	-43672.1	-43672.1
17.33	2282.7	2282.7	-6136.7	-6136.7	-43672.1	-43672.1
17.43	1934.0	1934.0	-5788.0	-5788.0	-43672.1	-43672.1
17.53	2108.4	2108.4	-5962.4	-5962.4	-43672.1	-43672.1
17.63	2282.7	2282.7	-6136.7	-6136.7	-43672.1	-43672.1
17.73	1934.0	1934.0	-5788.0	-5788.0	-43672.1	-43672.1
17.83	2108.4	2108.4	-5962.4	-5962.4	-43672.1	-43672.1
17.93	2282.7	2282.7	-6136.7	-6136.7	-43672.1	-43672.1

03-11220-2
118

TABLE XIX (CONTINUED)
PYLON LOADS (ULTIMATE) - METHOD 1
CONFIGURATION 1 (WITH FINS) CONDITION 17

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
17.11	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.21	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.31	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.41	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.51	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.61	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.71	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.81	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.91	-73500.0	0.0	-74969.9	12089.2	7440.3	-4164.9	1.159155E 06	-9.889950E 05
17.12	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.22	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.32	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.42	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.52	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.62	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.72	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.82	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.92	-73500.0	0.0	-74969.9	12089.2	-133.8	-4164.9	1.159155E 06	4.973878E 04
17.13	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.23	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.33	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.43	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.53	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.63	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.73	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.83	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06
17.93	-73500.0	0.0	-74969.9	12089.2	-7708.0	-4164.9	1.159155E 06	1.088472E 06

D3-11220-2
119
ORIGINAL PAGE IS
OF POOR QUALITY

TABLE XIX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 17

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
17.11	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.21	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.31	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.41	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.51	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.61	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.71	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.81	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.91	0.0023769	260.000	170.210	0.000	-26.000	-8.700	-7.180
17.12	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.22	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.32	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.42	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.52	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.62	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.72	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.82	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.92	0.0023769	260.000	170.210	0.000	-26.000	-8.700	0.000
17.13	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.23	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.33	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.43	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.53	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.63	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.73	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.83	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180
17.93	0.0023769	260.000	170.210	0.000	-26.000	-8.700	7.180

TABLE XIX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 17

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
17.11	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
17.21	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
17.31	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
17.41	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
17.51	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
17.61	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
17.71	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
17.81	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
17.91	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
17.12	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
17.22	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
17.32	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
17.42	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
17.52	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
17.62	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
17.72	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
17.82	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
17.92	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
17.13	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
17.23	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
17.33	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
17.43	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
17.53	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
17.63	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
17.73	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
17.83	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
17.93	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350

D3-11220-2
121

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE XX
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 18

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
18.11	23339.5	0.0	0.0	23873.2	23063.7	43556.4	40877.0	2257.0	-9339.0
18.21	23339.5	0.0	0.0	23044.9	23892.0	43442.2	40991.3	2064.5	-9146.5
18.31	23339.5	0.0	0.0	22216.6	24720.2	43327.9	41105.5	1871.9	-8954.0
18.41	22397.9	0.0	0.0	24344.0	23534.5	43556.4	40877.0	2257.0	-9339.0
18.51	22397.9	0.0	0.0	23515.7	24362.7	43442.2	40991.3	2064.5	-9146.5
18.61	22397.9	0.0	0.0	22687.4	25191.0	43327.9	41105.5	1871.9	-8954.0
18.71	21456.4	0.0	0.0	24814.8	24005.3	43556.4	40877.0	2257.0	-9339.0
18.81	21456.4	0.0	0.0	23986.5	24833.5	43442.2	40991.3	2064.5	-9146.5
18.91	21456.4	0.0	0.0	23158.2	25661.8	43327.9	41105.5	1871.9	-8954.0
18.12	23339.5	0.0	0.0	24273.6	22663.2	42241.0	42192.4	40.9	80.2
18.22	23339.5	0.0	0.0	23445.4	23491.5	42126.7	42306.7	-151.6	272.7
18.32	23339.5	0.0	0.0	22617.1	24319.8	42012.5	42421.0	-344.1	465.2
18.42	22397.9	0.0	0.0	24744.4	23134.0	42241.0	42192.4	40.9	80.2
18.52	22397.9	0.0	0.0	23916.1	23962.3	42126.7	42306.7	-151.6	272.7
18.62	22397.9	0.0	0.0	23087.8	24790.6	42012.5	42421.0	-344.1	465.2
18.72	21456.4	0.0	0.0	25215.2	23604.8	42241.0	42192.4	40.9	80.2
18.82	21456.4	0.0	0.0	24386.9	24433.1	42126.7	42306.7	-151.6	272.7
18.92	21456.4	0.0	0.0	23558.6	25261.4	42012.5	42421.0	-344.1	465.2
18.13	23339.5	0.0	0.0	24674.1	22262.8	40925.6	43507.9	-2175.2	9499.3
18.23	23339.5	0.0	0.0	23845.8	23091.1	40811.3	43622.1	-2367.7	9691.8
18.33	23339.5	0.0	0.0	23017.5	23919.4	40697.0	43736.4	-2560.2	9884.3
18.43	22397.9	0.0	0.0	25144.9	22733.6	40925.6	43507.9	-2175.2	9499.3
18.53	22397.9	0.0	0.0	24316.6	23561.9	40811.3	43622.1	-2367.7	9691.8
18.63	22397.9	0.0	0.0	23488.3	24390.2	40697.0	43736.4	-2560.2	9884.3
18.73	21456.4	0.0	0.0	25615.6	23204.4	40925.6	43507.9	-2175.2	9499.3
18.83	21456.4	0.0	0.0	24787.4	24032.7	40811.3	43622.1	-2367.7	9691.8
18.93	21456.4	0.0	0.0	23959.1	24860.9	40697.0	43736.4	-2560.2	9884.3

D3-11220-2

122

TABLE XX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 18

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
18.11	-8019.5	-14472.0	-17261.7	-32313.3	-8964.0	-13525.4	-16235.1	-33342.0
18.21	-7472.2	-15257.5	-15771.0	-33565.9	-8566.9	-14160.3	-14581.1	-34758.2
18.31	-6924.8	-16043.0	-14280.2	-34818.5	-8169.8	-14795.3	-12927.0	-36174.5
18.41	-7296.7	-13749.2	-17945.4	-33075.1	-8241.2	-12802.6	-16918.9	-34103.9
18.51	-6749.4	-14534.7	-16454.7	-34327.7	-7844.1	-13437.6	-15264.8	-35520.1
18.61	-6202.1	-15320.2	-14963.9	-35580.4	-7447.0	-14072.5	-13610.7	-36936.4
18.71	-6573.9	-13026.4	-18629.2	-33837.0	-7518.4	-12079.8	-17602.6	-34865.7
18.81	-6026.6	-13811.9	-17138.4	-35089.6	-7121.3	-12714.8	-15948.5	-36282.0
18.91	-5479.3	-14597.5	-15647.6	-36342.2	-6724.2	-13349.7	-14294.4	-37698.2
18.12	-11194.7	-9966.9	-25454.6	-25450.4	-11025.7	-10136.2	-25638.2	-25266.4
18.22	-10647.3	-10752.4	-23963.7	-26703.0	-10628.6	-10771.2	-23984.1	-26682.7
18.32	-10100.0	-11537.9	-22472.9	-27955.7	-10231.5	-11406.1	-22330.0	-28098.9
18.42	-10471.9	-9244.1	-26138.3	-26212.3	-10303.0	-9413.4	-26321.9	-26028.3
18.52	-9924.5	-10029.6	-24647.5	-27464.9	-9905.8	-10048.4	-24667.8	-27444.5
18.62	-9377.2	-10815.2	-23156.6	-28717.5	-9508.7	-10683.3	-23013.7	-28860.8
18.72	-9749.1	-8521.3	-26822.0	-26974.2	-9580.2	-8690.6	-27005.6	-26790.1
18.82	-9201.8	-9306.8	-25331.2	-28226.8	-9183.1	-9325.6	-25351.5	-28206.4
18.92	-8654.4	-10092.4	-23840.4	-29479.4	-8785.9	-9960.5	-23697.4	-29622.7
18.13	-14369.8	-5461.8	-33647.4	-18587.6	-13087.5	-6747.0	-35041.2	-17190.8
18.23	-13822.5	-6247.3	-32156.6	-19840.2	-12690.4	-7381.9	-33387.2	-18607.0
18.33	-13275.2	-7032.8	-30665.8	-21092.8	-12293.3	-8016.9	-31733.1	-20023.3
18.43	-13647.0	-4739.0	-34331.1	-19349.4	-12364.7	-6024.2	-35724.9	-17952.7
18.53	-13099.7	-5524.5	-32840.3	-20602.0	-11967.6	-6659.2	-34070.9	-19368.9
18.63	-12552.4	-6310.0	-31349.5	-21854.7	-11570.5	-7294.1	-32416.8	-20785.2
18.73	-12924.3	-4016.2	-35014.8	-20111.3	-11641.9	-5301.4	-36408.6	-18714.6
18.83	-12376.9	-4801.7	-33524.0	-21363.9	-11244.8	-5936.4	-34754.6	-20130.8
18.93	-11829.6	-5587.2	-32033.2	-22616.5	-10847.7	-6571.3	-33100.5	-21547.1

D3-11220-2
123

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE XX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 18

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
18.11	-1494.8	-1494.8	5035.8	5035.8	-43094.2	-43094.2
18.21	-1320.5	-1320.5	4861.5	4861.5	-43094.2	-43094.2
18.31	-1146.1	-1146.1	4687.2	4687.2	-43094.2	-43094.2
18.41	-1494.8	-1494.8	5035.8	5035.8	-43094.2	-43094.2
18.51	-1320.5	-1320.5	4861.5	4861.5	-43094.2	-43094.2
18.61	-1146.1	-1146.1	4687.2	4687.2	-43094.2	-43094.2
18.71	-1494.8	-1494.8	5035.8	5035.8	-43094.2	-43094.2
18.81	-1320.5	-1320.5	4861.5	4861.5	-43094.2	-43094.2
18.91	-1146.1	-1146.1	4687.2	4687.2	-43094.2	-43094.2
18.12	168.4	168.4	-228.9	-228.9	-43094.2	-43094.2
18.22	342.7	342.7	-403.3	-403.3	-43094.2	-43094.2
18.32	517.1	517.1	-577.6	-577.6	-43094.2	-43094.2
18.42	168.4	168.4	-228.9	-228.9	-43094.2	-43094.2
18.52	342.7	342.7	-403.3	-403.3	-43094.2	-43094.2
18.62	517.1	517.1	-577.6	-577.6	-43094.2	-43094.2
18.72	168.4	168.4	-228.9	-228.9	-43094.2	-43094.2
18.82	342.7	342.7	-403.3	-403.3	-43094.2	-43094.2
18.92	517.1	517.1	-577.6	-577.6	-43094.2	-43094.2
18.13	1831.6	1831.6	-5493.7	-5493.7	-43094.2	-43094.2
18.23	2005.9	2005.9	-5668.0	-5668.0	-43094.2	-43094.2
18.33	2180.3	2180.3	-5842.3	-5842.3	-43094.2	-43094.2
18.43	1831.6	1831.6	-5493.7	-5493.7	-43094.2	-43094.2
18.53	2005.9	2005.9	-5668.0	-5668.0	-43094.2	-43094.2
18.63	2180.3	2180.3	-5842.3	-5842.3	-43094.2	-43094.2
18.73	1831.6	1831.6	-5493.7	-5493.7	-43094.2	-43094.2
18.83	2005.9	2005.9	-5668.0	-5668.0	-43094.2	-43094.2
18.93	2180.3	2180.3	-5842.3	-5842.3	-43094.2	-43094.2

D3-11220-2
124

TABLE XX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 18

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
18.11	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.21	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.31	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.41	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.51	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.61	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.71	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.81	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.91	-73500.0	0.0	-74969.9	10933.5	7082.1	-4693.5	1.270769E 06	-9.428593E 05
18.12	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.22	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.32	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.42	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.52	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.62	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.72	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.82	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.92	-73500.0	0.0	-74969.9	10933.5	-121.0	-4693.5	1.270769E 06	4.498382E 04
18.13	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.23	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.33	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.43	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.53	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.63	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.73	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.83	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06
18.93	-73500.0	0.0	-74969.9	10933.5	-7324.2	-4693.5	1.270769E 06	1.032827E 06

03-11220-2

125

TABLE XX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 18

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	RHO SLUGS/FT*3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
18.11	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.21	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.31	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.41	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.51	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.61	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.71	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.81	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.91	0.0007699	247.260	170.210	0.000	-26.000	-10.400	-7.550
18.12	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.22	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.32	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.42	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.52	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.62	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.72	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.82	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.92	0.0007699	247.260	170.210	0.000	-26.000	-10.400	0.000
18.13	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.23	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.33	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.43	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.53	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.63	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.73	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.83	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550
18.93	0.0007699	247.260	170.210	0.000	-26.000	-10.400	7.550

03-11220-2

126

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TABLE XX (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITION 18

PYLON HOOK LOADS - INERTIA CONSIDERATIONS
 CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
18.11	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
18.21	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
18.31	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
18.41	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
18.51	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
18.61	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
18.71	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
18.81	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
18.91	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
18.12	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
18.22	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
18.32	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
18.42	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
18.52	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
18.62	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
18.72	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
18.82	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
18.92	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350
18.13	49000.0	-1.50	0.00	-1.53	167.560	-0.650	-27.350
18.23	49000.0	-1.50	0.00	-1.53	167.560	0.000	-27.350
18.33	49000.0	-1.50	0.00	-1.53	167.560	0.650	-27.350
18.43	49000.0	-1.50	0.00	-1.53	170.210	-0.650	-27.350
18.53	49000.0	-1.50	0.00	-1.53	170.210	0.000	-27.350
18.63	49000.0	-1.50	0.00	-1.53	170.210	0.650	-27.350
18.73	49000.0	-1.50	0.00	-1.53	172.860	-0.650	-27.350
18.83	49000.0	-1.50	0.00	-1.53	172.860	0.000	-27.350
18.93	49000.0	-1.50	0.00	-1.53	172.860	0.650	-27.350

TABLE XXI
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FLAPS) CONDITIONS 19-22

PYLON HOOK LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON DTV)

CONFIGURATION 1.0 WITH FINS

COND. NO.	VA POUNDS	VBL POUNDS	VBR POUNDS	VCL POUNDS	VCR POUNDS	DCL POUNDS	DCR POUNDS	SA POUNDS	SCL POUNDS
19.10	-47196.3	-59771.3	-55712.2	0.0	0.0	-18432.1	-18317.9	-96.3	96.3
19.20	-47196.3	-57741.8	-57741.8	0.0	0.0	-18375.0	-18375.0	0.0	0.0
19.30	-47196.3	-55712.2	-59771.4	0.0	0.0	-18317.9	-18432.1	96.3	-96.3
19.40	-45153.2	-60792.9	-56733.8	0.0	0.0	-18432.1	-18317.9	-96.3	96.3
19.50	-45153.2	-58763.4	-58763.3	0.0	0.0	-18375.0	-18375.0	0.0	0.0
19.60	-45153.2	-56733.8	-60792.9	0.0	0.0	-18317.9	-18432.1	96.3	-96.3
19.70	-43110.1	-61814.5	-57755.4	0.0	0.0	-18432.1	-18317.9	-96.3	96.3
19.80	-43110.1	-59784.9	-59784.9	0.0	0.0	-18375.0	-18375.0	0.0	0.0
19.90	-43110.1	-57755.3	-61814.6	0.0	0.0	-18317.9	-18432.1	96.3	-96.3
20.10	-50627.5	-57996.4	-54056.1	0.0	0.0	18432.1	18317.9	96.3	-96.3
20.20	-50627.5	-56026.2	-56026.2	0.0	0.0	18375.0	18375.0	0.0	0.0
20.30	-50627.5	-54056.0	-57996.4	0.0	0.0	18317.9	18432.1	-96.3	96.3
20.40	-48584.4	-59017.9	-55077.6	0.0	0.0	18432.1	18317.9	96.3	-96.3
20.50	-48584.4	-57047.8	-57047.8	0.0	0.0	18375.0	18375.0	0.0	0.0
20.60	-48584.4	-55077.6	-59018.0	0.0	0.0	18317.9	18432.1	-96.3	96.3
20.70	-46541.2	-60039.5	-56099.2	0.0	0.0	18432.1	18317.9	96.3	-96.3
20.80	-46541.2	-58069.3	-58069.3	0.0	0.0	18375.0	18375.0	0.0	0.0
20.90	-46541.2	-56099.1	-60039.6	0.0	0.0	18317.9	18432.1	-96.3	96.3
21.10	-48911.9	-53426.9	-60341.1	0.0	0.0	3122.8	-3122.8	5260.8	15319.2
21.20	-48911.9	-51427.0	-62341.0	0.0	0.0	3122.8	-3122.8	5260.8	15319.2
21.30	-48911.9	-49427.1	-64340.9	0.0	0.0	3122.8	-3122.8	5260.8	15319.2
21.40	-46868.8	-54516.3	-61294.9	0.0	0.0	2992.3	-2992.3	5041.1	15538.9
21.50	-46868.8	-52516.4	-63294.7	0.0	0.0	2992.3	-2992.3	5041.1	15538.9
21.60	-46868.8	-50516.5	-65294.6	0.0	0.0	2992.3	-2992.3	5041.1	15538.9
21.70	-44825.6	-55605.6	-62248.6	0.0	0.0	2861.9	-2861.9	4821.3	15758.7
21.80	-44825.6	-53605.8	-64248.5	0.0	0.0	2861.9	-2861.9	4821.3	15758.7
21.90	-44825.6	-51605.9	-66248.4	0.0	0.0	2861.9	-2861.9	4821.3	15758.7
22.10	-48911.9	-64340.8	-49427.2	0.0	0.0	-3122.8	3122.8	-5260.8	-15319.2
22.20	-48911.9	-62340.9	-51427.1	0.0	0.0	-3122.8	3122.8	-5260.8	-15319.2
22.30	-48911.9	-60341.0	-53427.0	0.0	0.0	-3122.8	3122.8	-5260.8	-15319.2
22.40	-46868.8	-65294.6	-50516.6	0.0	0.0	-2992.3	2992.3	-5041.1	-15538.9
22.50	-46868.8	-63294.7	-52516.4	0.0	0.0	-2992.3	2992.3	-5041.1	-15538.9
22.60	-46868.8	-61294.8	-54516.3	0.0	0.0	-2992.3	2992.3	-5041.1	-15538.9
22.70	-44825.6	-66248.3	-51605.9	0.0	0.0	-2861.9	2861.9	-4821.3	-15758.7
22.80	-44825.6	-64248.5	-53605.8	0.0	0.0	-2861.9	2861.9	-4821.3	-15758.7
22.90	-44825.6	-62248.6	-55605.7	0.0	0.0	-2861.9	2861.9	-4821.3	-15758.7

03-11220-2

128

TABLE XXI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITIONS 19-22

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	CASE 1				CASE 2			
	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS	V1 POUNDS	V2 POUNDS	V3 POUNDS	V4 POUNDS
19.10	41682.1	39074.9	43419.8	42387.4	41356.1	39401.7	43774.2	42032.3
19.20	40589.3	40657.9	40315.2	45001.9	40589.3	40657.9	40315.2	45001.9
19.30	39496.5	42240.8	37210.6	47616.5	39822.5	41914.1	36856.2	47971.6
19.40	40113.7	37506.5	44903.5	44040.6	39787.7	37833.3	45257.8	43685.5
19.50	39020.9	39089.4	41798.9	46655.1	39020.9	39089.4	41798.9	46655.1
19.60	37928.1	40672.4	38694.2	49269.7	38254.1	40345.7	38339.8	49624.8
19.70	38545.3	35938.2	46387.1	45693.9	38219.3	36264.9	46741.4	45338.8
19.80	37452.5	37521.1	43282.5	48308.4	37452.5	37521.1	43282.5	48308.4
19.90	36359.7	39104.0	40177.8	50922.9	36685.7	38777.3	39823.4	51278.0
20.10	54137.2	51522.6	31645.6	29258.9	53811.2	51849.3	32000.0	28903.8
20.20	53101.2	53032.6	28619.1	31811.4	53101.2	53032.6	28619.1	31811.4
20.30	52065.2	54542.8	25592.4	34363.9	52391.2	54216.0	25238.1	34719.0
20.40	52568.8	49954.2	33129.3	30912.1	52242.8	50280.9	33483.6	30557.0
20.50	51532.8	51464.2	30102.7	33464.6	51532.8	51464.2	30102.7	33464.6
20.60	50496.8	52974.3	27076.1	36017.1	50822.8	52647.6	26721.7	36372.2
20.70	51000.4	48385.8	34612.9	32565.3	50674.4	48712.5	34967.2	32210.2
20.80	49964.4	49895.8	31586.3	35117.8	49964.4	49895.8	31586.3	35117.8
20.90	48928.4	51405.9	28559.7	37670.3	49254.4	51079.2	28205.3	38025.4
21.10	35031.8	63091.6	8521.2	59919.6	37986.3	60130.4	5309.7	63137.9
21.20	33967.4	64638.1	5455.6	62503.1	37248.0	61350.2	1889.7	66076.4
21.30	32903.0	66184.6	2390.0	65086.7	36509.6	62570.0	-1530.3	69015.1
21.40	33528.3	61440.1	10093.9	61502.0	36482.8	58478.8	6882.4	64720.2
21.50	32463.9	62986.6	7028.4	64085.5	35744.4	59698.6	3462.5	67658.8
21.60	31399.5	64533.1	3962.7	66669.0	35006.0	60918.4	42.5	70597.4
21.70	32024.7	59788.5	11666.6	63084.4	34979.3	56827.3	8455.1	66302.6
21.80	30960.3	61335.0	8601.0	65667.9	34240.9	58047.1	5035.1	69241.2
21.90	29896.0	62881.6	5535.4	68251.4	33502.5	59266.9	1615.1	72179.8
22.10	60787.5	27505.9	66544.2	11726.7	57181.0	31120.6	70464.4	7798.3
22.20	59723.1	29052.4	63478.6	14310.2	56442.6	32340.4	67044.5	10736.9
22.30	58658.7	30598.9	60413.0	16893.8	55704.1	33560.2	63624.5	13675.6
22.40	59154.2	26020.6	67938.8	13450.7	55547.7	29635.3	71858.9	9522.3
22.50	58089.8	27567.1	64873.2	16034.2	54809.3	30855.1	68439.0	12460.9
22.60	57025.4	29113.7	61807.5	18617.8	54070.9	32074.9	65019.1	15399.5
22.70	57520.9	24535.4	69333.3	15174.7	53914.4	28150.1	73253.5	11246.3
22.80	56456.5	26081.9	66267.7	17758.2	53176.0	29369.8	69833.6	14184.9
22.90	55392.2	27628.4	63202.0	20341.8	52437.6	30589.6	66413.6	17123.5

D3-11220-2
129

ORIGINAL PAGE 15
OF 1000 QUANTITY

TABLE XXI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITIONS 19-22

INERTIA AND AIRLOADS - ULTIMATE

INERTIA LOADS - PLUS FWD, LEFT AND DOWN
 AIRLOAD FORCES - PLUS AFT, RIGHT AND UP
 AIRLOAD MOMENTS - PLUS NOSE UP AND NOSE RIGHT

CONFIGURATION 1.0 WITH FINS

COND. NO.	PNX FWD. POUNDS	PNY LEFT POUNDS	PNZ DOWN POUNDS	PX AFT POUNDS	PY RIGHT POUNDS	PZ UP POUNDS	MY NOSE UP INCH-LBS.	MZ NOSE RIGHT INCH-LBS.
19.10	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.20	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.30	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.40	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.50	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.60	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.70	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.80	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
19.90	36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.10	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.20	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.30	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.40	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.50	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.60	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.70	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.80	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
20.90	-36750.0	0.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.10	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.20	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.30	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.40	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.50	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.60	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.70	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.80	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
21.90	0.0	20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.10	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.20	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.30	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.40	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.50	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.60	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.70	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.80	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01
22.90	0.0	-20580.0	162679.9	0.0	0.0	0.0	0.000000E-01	0.000000E-01

D3-11220-2
130

TABLE XXI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITIONS 19-22

PYLON LOADS - ULTIMATE

PLUS LOADS - UP, AFT, LEFT (REVERSE SIGN FOR LOADS ON B-52B)

CONFIGURATION 1.0 WITH FINS

COND. NO.	S1 POUNDS	S2 POUNDS	CASE 1 AND 2 S3 POUNDS	S4 POUNDS	D3 POUNDS	D4 POUNDS
19.10	-5.0	-5.0	5.0	5.0	18813.8	18813.8
19.20	-92.2	-92.2	92.2	92.2	18813.8	18813.8
19.30	-179.4	-179.4	179.4	179.4	18813.8	18813.8
19.40	-5.0	-5.0	5.0	5.0	18813.8	18813.8
19.50	-92.2	-92.2	92.2	92.2	18813.8	18813.8
19.60	-179.4	-179.4	179.4	179.4	18813.8	18813.8
19.70	-5.0	-5.0	5.0	5.0	18813.8	18813.8
19.80	-92.2	-92.2	92.2	92.2	18813.8	18813.8
19.90	-179.4	-179.4	179.4	179.4	18813.8	18813.8
20.10	5.0	5.0	-5.0	-5.0	-18813.8	-18813.8
20.20	92.2	92.2	-92.2	-92.2	-18813.8	-18813.8
20.30	179.4	179.4	-179.4	-179.4	-18813.8	-18813.8
20.40	5.0	5.0	-5.0	-5.0	-18813.8	-18813.8
20.50	92.2	92.2	-92.2	-92.2	-18813.8	-18813.8
20.60	179.4	179.4	-179.4	-179.4	-18813.8	-18813.8
20.70	5.0	5.0	-5.0	-5.0	-18813.8	-18813.8
20.80	92.2	92.2	-92.2	-92.2	-18813.8	-18813.8
20.90	179.4	179.4	-179.4	-179.4	-18813.8	-18813.8
21.10	-5912.1	-5912.1	-4623.6	-4623.6	0.0	0.0
21.20	-5912.1	-5912.1	-4623.6	-4623.6	0.0	0.0
21.30	-5912.1	-5912.1	-4623.6	-4623.6	0.0	0.0
21.40	-5713.1	-5713.1	-4822.6	-4822.6	0.0	0.0
21.50	-5713.1	-5713.1	-4822.6	-4822.6	0.0	0.0
21.60	-5713.1	-5713.1	-4822.6	-4822.6	0.0	0.0
21.70	-5514.1	-5514.1	-5021.6	-5021.6	0.0	0.0
21.80	-5514.1	-5514.1	-5021.6	-5021.6	0.0	0.0
21.90	-5514.1	-5514.1	-5021.6	-5021.6	0.0	0.0
22.10	5912.1	5912.1	4623.6	4623.6	0.0	0.0
22.20	5912.1	5912.1	4623.6	4623.6	0.0	0.0
22.30	5912.1	5912.1	4623.6	4623.6	0.0	0.0
22.40	5713.1	5713.1	4822.6	4822.6	0.0	0.0
22.50	5713.1	5713.1	4822.6	4822.6	0.0	0.0
22.60	5713.1	5713.1	4822.6	4822.6	0.0	0.0
22.70	5514.1	5514.1	5021.6	5021.6	0.0	0.0
22.80	5514.1	5514.1	5021.6	5021.6	0.0	0.0
22.90	5514.1	5514.1	5021.6	5021.6	0.0	0.0

03-11220-2
131

TABLE XXI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FIN) CONDITIONS 19-22

PYLON HOOK LOADS - AERODYNAMIC CONSIDERATIONS

CONFIGURATION 1.0 WITH FIN

COND. NO.	RHO SLUGS/FT**3	VELOCITY KEAS	XCP INCHES	YCP INCHES	ZCP INCHES	ALPHA DEGREES	BETA DEGREES
19.10	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.20	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.30	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.40	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.50	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.60	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.70	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.80	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
19.90	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.10	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.20	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.30	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.40	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.50	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.60	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.70	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.80	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
20.90	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.10	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.20	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.30	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.40	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.50	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.60	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.70	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.80	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
21.90	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.10	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.20	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.30	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.40	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.50	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.60	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.70	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.80	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000
22.90	0.0023769	0.000	170.210	0.000	-26.000	0.000	0.000

D3-11220-2
132

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE XXI (CONTINUED)
 PYLON LOADS (ULTIMATE) - METHOD 1
 CONFIGURATION 1 (WITH FINS) CONDITIONS 19-22

PYLON HOOK LOADS - INERTIA CONSIDERATIONS

CONFIGURATION 1.0 WITH FINS

COND. NO.	DTV WT. POUNDS	ULTIMATE NX	LOAD NY	FACTOR NZ	XCG INCHES	YCG INCHES	ZCG INCHES
19.10	49000.0	0.75	0.00	3.32	167.560	-0.650	-27.350
19.20	49000.0	0.75	0.00	3.32	167.560	0.000	-27.350
19.30	49000.0	0.75	0.00	3.32	167.560	0.650	-27.350
19.40	49000.0	0.75	0.00	3.32	170.210	-0.650	-27.350
19.50	49000.0	0.75	0.00	3.32	170.210	0.000	-27.350
19.60	49000.0	0.75	0.00	3.32	170.210	0.650	-27.350
19.70	49000.0	0.75	0.00	3.32	172.860	-0.650	-27.350
19.80	49000.0	0.75	0.00	3.32	172.860	0.000	-27.350
19.90	49000.0	0.75	0.00	3.32	172.860	0.650	-27.350
20.10	49000.0	-0.75	0.00	3.32	167.560	-0.650	-27.350
20.20	49000.0	-0.75	0.00	3.32	167.560	0.000	-27.350
20.30	49000.0	-0.75	0.00	3.32	167.560	0.650	-27.350
20.40	49000.0	-0.75	0.00	3.32	170.210	-0.650	-27.350
20.50	49000.0	-0.75	0.00	3.32	170.210	0.000	-27.350
20.60	49000.0	-0.75	0.00	3.32	170.210	0.650	-27.350
20.70	49000.0	-0.75	0.00	3.32	172.860	-0.650	-27.350
20.80	49000.0	-0.75	0.00	3.32	172.860	0.000	-27.350
20.90	49000.0	-0.75	0.00	3.32	172.860	0.650	-27.350
21.10	49000.0	0.00	0.42	3.32	167.560	-0.650	-27.350
21.20	49000.0	0.00	0.42	3.32	167.560	0.000	-27.350
21.30	49000.0	0.00	0.42	3.32	167.560	0.650	-27.350
21.40	49000.0	0.00	0.42	3.32	170.210	-0.650	-27.350
21.50	49000.0	0.00	0.42	3.32	170.210	0.000	-27.350
21.60	49000.0	0.00	0.42	3.32	170.210	0.650	-27.350
21.70	49000.0	0.00	0.42	3.32	172.860	-0.650	-27.350
21.80	49000.0	0.00	0.42	3.32	172.860	0.000	-27.350
21.90	49000.0	0.00	0.42	3.32	172.860	0.650	-27.350
22.10	49000.0	0.00	-0.42	3.32	167.560	-0.650	-27.350
22.20	49000.0	0.00	-0.42	3.32	167.560	0.000	-27.350
22.30	49000.0	0.00	-0.42	3.32	167.560	0.650	-27.350
22.40	49000.0	0.00	-0.42	3.32	170.210	-0.650	-27.350
22.50	49000.0	0.00	-0.42	3.32	170.210	0.000	-27.350
22.60	49000.0	0.00	-0.42	3.32	170.210	0.650	-27.350
22.70	49000.0	0.00	-0.42	3.32	172.860	-0.650	-27.350
22.80	49000.0	0.00	-0.42	3.32	172.860	0.000	-27.350
22.90	49000.0	0.00	-0.42	3.32	172.860	0.650	-27.350

D3-11220-2
133

4.0 REFERENCES

1. Rockwell International Document TFD 66-431, "Structural Analysis for the B-52 Pylon as Modified for the Increased Gross Weight X-15A-2 Airplane", dated 31 August 1966.
2. Boeing Document D-13084, "Technical Data for RB-52B Flight Simulator," dated 1 October 1952.
3. Boeing Document D3-11220-1, "Load and Dynamic Assessment of B-52B-008 Carrier Aircraft for Configuration 1 and 2 Space Shuttle Solid Rocket Booster Decelerator Subsystem Drop Test Vehicles - Volume III, Pylon Load Data Method 1", dated October 24, 19-7.