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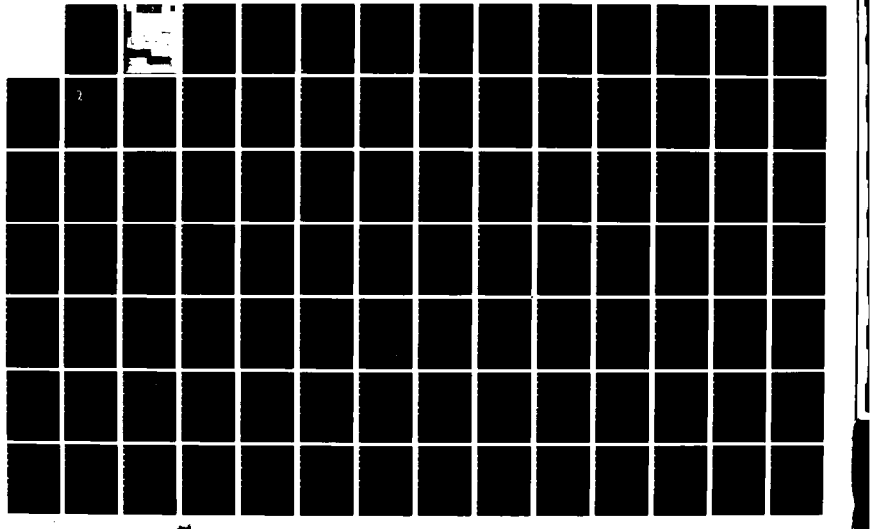

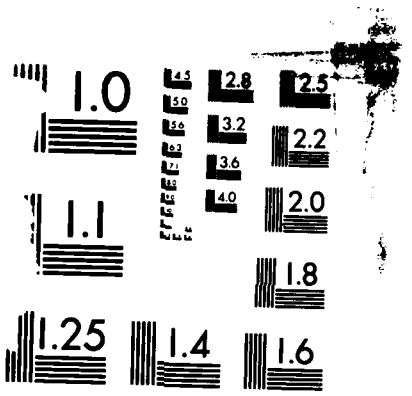

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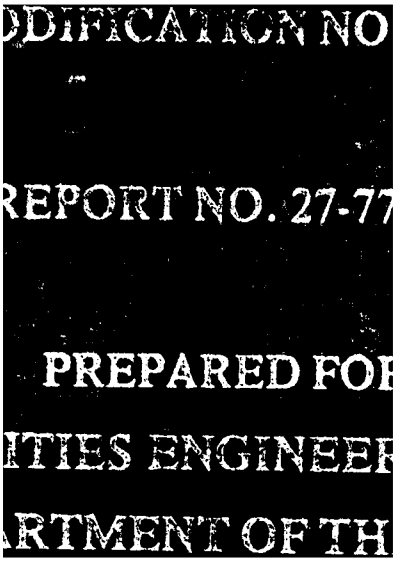
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This report evaluates the fatigue limit strengths for the design of a tripod-type ocean structure for the East Coast air Combat Maneuvering Range Offshore Kitty Hawk, North Carolina.
The ocean structure investigated herein, a three-pile structure with (Con't

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equilaterally spaced jacket legs, is installed in a water depth (MLW) of 105 feet. The structure is secured to the ocean floor permanently by tubular piles through the jacket legs into the seabed. A superstructure is attached to the piling above the jacket.

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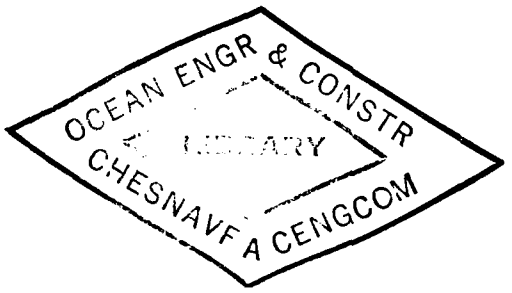

FATIGUE ANALYSIS

EAST COAST AIR COMBAT MANEUVERING RANGE

OFFSHORE KITTY HAWK, NORTH CAROLINA

CONTRACT NO. N62477-76-C-0179

MODIFICATION NO. P0001

Report No. 27-771-100

Prepared for

NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
CHESAPEAKE DIVISION

By

CREST ENGINEERING, INC.
TULSA, OKLAHOMA

September 1976

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7.0 REFERENCE

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A. PUNCHING SHEAR STRESS

A.1 Punching Shear Stress - K-Joints - 105' MLW Jacket

07 ft. Wave Height - Load Condition #1 & #2
17 ft. Wave Height - Load Condition #3 & #4
27 ft. Wave Height - Load Condition #5 & #6
42 ft. Wave Height - Load Condition #7 & #8

A.2 Punching Shear Stress - T-Joints - Design Wave - 105' MLW Jacket

A.3 Punching Shear Stress - T-Joints - Design Wave - 93' MLW Jacket

A.4 Punching Shear Stress - T-Joints - Design Wave - 81' MLW Jacket

B. STRESS ANALYSIS

07 ft. Wave Height - Load Condition #1 & #2
17 ft. Wave Height - Load Condition #3 & #4
27 ft. Wave Height - Load Condition #5 & #6
42 ft. Wave Height - Load Condition #7 & #8

C. WAVE FORCES

02 ft. Wave Height
07 ft. Wave Height
12 ft. Wave Height
17 ft. Wave Height
22 ft. Wave Height
27 ft. Wave Height
32 ft. Wave Height
37 ft. Wave Height
42 ft. Wave Height
47 ft. Wave Height
52 ft. Wave Height
57 ft. Wave Height

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SECTION 1

INTRODUCTION

1.1 INTRODUCTION

This report evaluates the fatigue limit strengths for the design of a tripod-type ocean structure for the East Coast Air Combat Maneuvering Range Offshore Kitty Hawk, North Carolina.

The ocean structure investigated herein, a three-pile structure with equilaterally spaced jacket legs, is installed in a water depth (MLW) of 105 feet. The structure is secured to the ocean floor permanently by driving tubular piles through the jacket legs into the seabed. A superstructure is attached to the piling above the jacket.

1.2 ENGINEERING DATA

Engineering data which serves as the basis for the fatigue analysis are listed as follows:

A. Environmental Conditions

MLW Depth	105 feet
Wave and Current Characteristics Provided in Glenn and Associates Report: NORMAL WAVES, AND STORM WIND, TIDE, WAVE AND CURRENT CHARACTERISTICS, AND WAVE FORCES: VICINITY 36°N, 75°W, OFFSHORE KITTY HAWK, NORTH CAROLINA, May 1976	
Drag Coefficient above MLW	$C_D = 0.74$
Drag Coefficient below MLW	$C_D = 1.02$
Inertial Coefficient	$C_M = 1.34$
Fouling Thickness below MLW	2 inches

B. Major Structural Dimensions

True Batter of Piling & Jacket Leg	1:6
Width at Jacket Base (Mudline)	64 feet
Width at Jacket Top (Work Point Level)	29 feet
Pile Out Side Diameter	42 inches
Jacket Leg Out Side Diameter	45.5 inches
Upper Deck Area	362.5 sq. ft.
Equipment Deck Area	591.5 sq. ft.

Height of Structure (From Mudline to Upper Deck)	180 feet

C. Material

All structural shapes or fabricated tubular goods are ASTM A-36 Structural Steel except for the material used for the joint cans which is ASTM A-633, Grade A.

1.3 PROCEDURES OF ANALYSIS

The significant parameters relative to the fatigue strength analysis of the ocean structures are, structural geometry, member sizes, wave characteristics and wave height distribution, dynamic response of the structure, and the yield strength of the material.

The geometry of the idealized platform structure* under consideration is given in Section 2. This structure is subjected to a sequence of lateral loads produced by waves of varying heights and periods. A total of 12 waves with wave heights ranging from 2 feet to 57 feet at 5 feet increment are analyzed. The relationship of structural base shear to wave force is expressed graphically in Section 3. Transfer functions relating the wave height and the base shear of the structure are established accordingly.

Reference 4 presents closed-form method of analysis for determining the fatigue damage attributing ocean waves to structures having dynamic amplification characteristics of negligible magnitude. The aforementioned technique is applied in Section 4 to evaluate the fatigue limit stress. In the process of numerical computations, four waves with wave heights of 7, 17, 27 and 42 feet, respectively, are selected to produce lateral loads on the idealized platform structure. Evaluation of fatigue limit stress for two joints in the structure are considered for the cases of consistent appearance of

---

* The structural geometry and member properties were developed in Report No. 27-771-96.

severe storms and of the infrequent hurricane effects on the fatigue strength over the lifetime of the structure. The predicted fatigue life of the structure is then presented in Section 5.

In Section 6 are given the safe nominal brace stress range and safe punching shear stress range for fatigue. Both stress ranges are expressed by means of Modified Goodman Diagram.

1.4 SUMMARY

The results of the study on the fatigue analysis may be drawn as follows:

Fatigue Limit Stress:

Punching Shear Stress Range (K-Joint)	11,523 psi
Punching Shear Stress Range (T-Joint)	6,100 psi
Nominal Brace Stress Range	22,000 psi

Fatigue Life:

Fatigue Life Controlled by Punching Shear Stress (K-Joint)	140 years
Fatigue Life Controlled by Punching Shear Stress (T-Joint)	20 years
Fatigue Life Controlled by Nominal Brace Stress	741 years

1.5 PERSONNEL RESUMES

The personnel whose resumes follow were actively engaged in this project.

CREST OFFSHORE, INC.

Chingmiin (Charlie) Chern

Senior Engineer

University	Degree	Year
National Taiwan University	Bachelor of Science Civil Engineering	1961
North Dakota State University	Master of Science Civil Engineering	1966
Lehigh University	Ph. D. Civil Engineering	1969
Tulsa University	Graduate Study in Business Administration-Management	1974

Societies, Licenses, and Other Activities:

Member American Society of Civil Engineers
Member International Association of Structural and Bridge Engineers
Member American Society of Engineering Education
Registered Professional Engineer in Oklahoma

Experience:

1973 to Present — Crest Offshore, Inc.

Senior Civil Engineer

Engaged in the feasibility studies, structural analysis and design of offshore structures, equipment supports and other various types of petroleum related civil engineering works. Assignments include:

... Evaluation of engineering designs from other agencies.
... Analysis and design of offshore structures for oil industry.
... Analysis and design of supports and foundations for onshore refinery facilities.
... Development of a sequence of computer programs for the analysis of offshore structures.

Chingmiin (Charlie) Chern

Senior Civil Engineer

Experience Continued:

1969 to 1973	North Dakota State University
Associate Professor of Civil Engineering	Engaged in full-time lecture instruction for civil engineering (graduate school division) and construction management. Also served as consultant to local industry (undergraduate school division) in the area of computer applications in engineering.
1966 to 1969	Fritz Engineering Laboratory
Research Assistant	Assisted in the design and testing of various types of steel structures.
1966	North Dakota State Highway Department
Highway Engineer	Responsible for construction surveying.
1965	U.S. Forest Service
Assistant Crew Chief	Assisted in surveying responsibilities.

SECTION 2

ELEVATIONS AND PLANS

2.1 INTRODUCTION

The idealized platform structure shown in this section was obtained from Report NO. 27-771-96.

By C. Chern Client U.S. NAVY Subject Fatigue Analysis

Date 8-5-76 Job No. 27-771-100 Calculation Elevations & Plans

2.2 ELEVATIONS AND PLANS

CREST OFFSHORE, INC.

Sheet 203 of 16

By C. Chern Client U.S. NAVY Subject Fatigue Analysis

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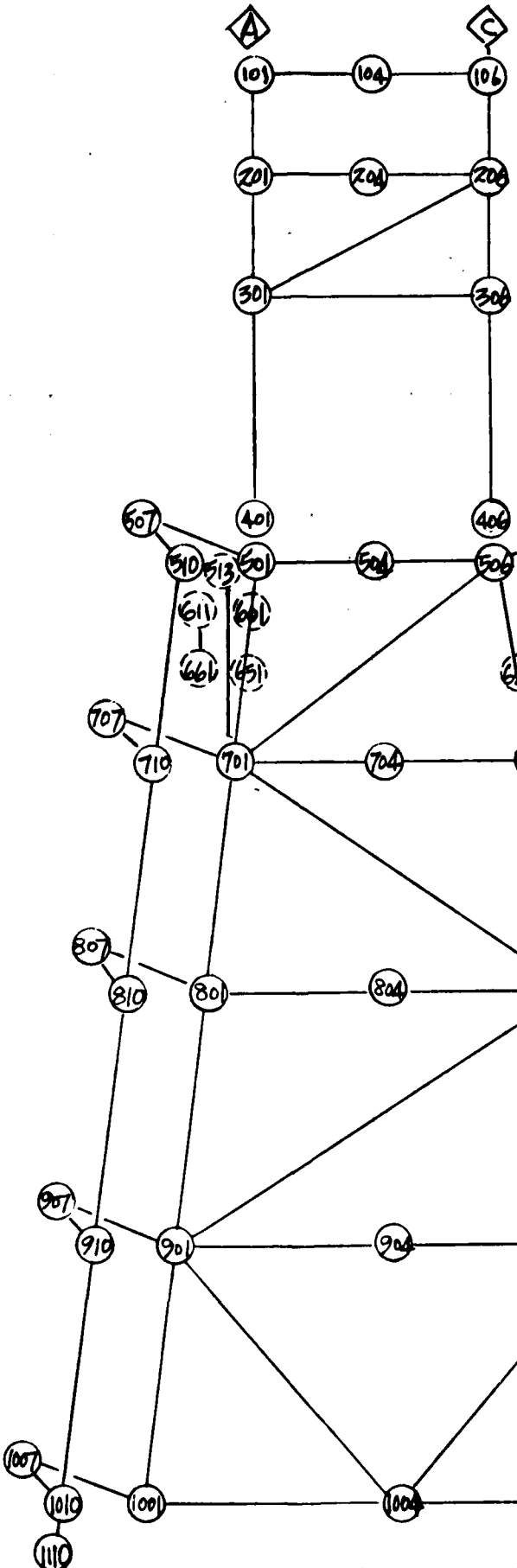


EL.(+) 75'-0"

EL.(+) 60'-0"

EL.(+) 45'-0"

EL.(+) 16'-6"

EL.(+) 12'-0"

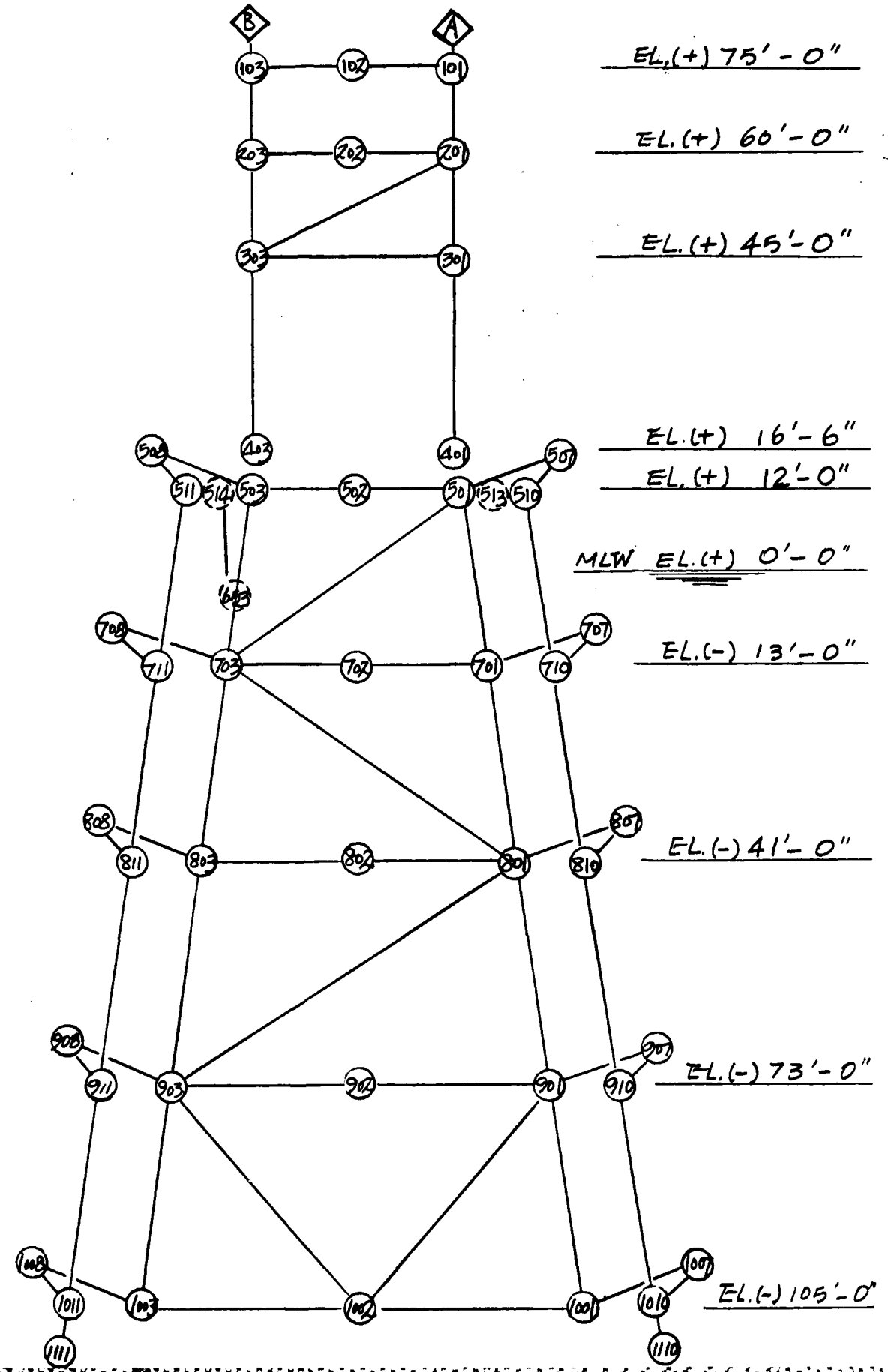
MLW EL. 0'-0"

EL.(-) 13'-0"

EL.(-) 41'-0"

EL.(-) 73'-0"

EL.(-) 105'-0"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102
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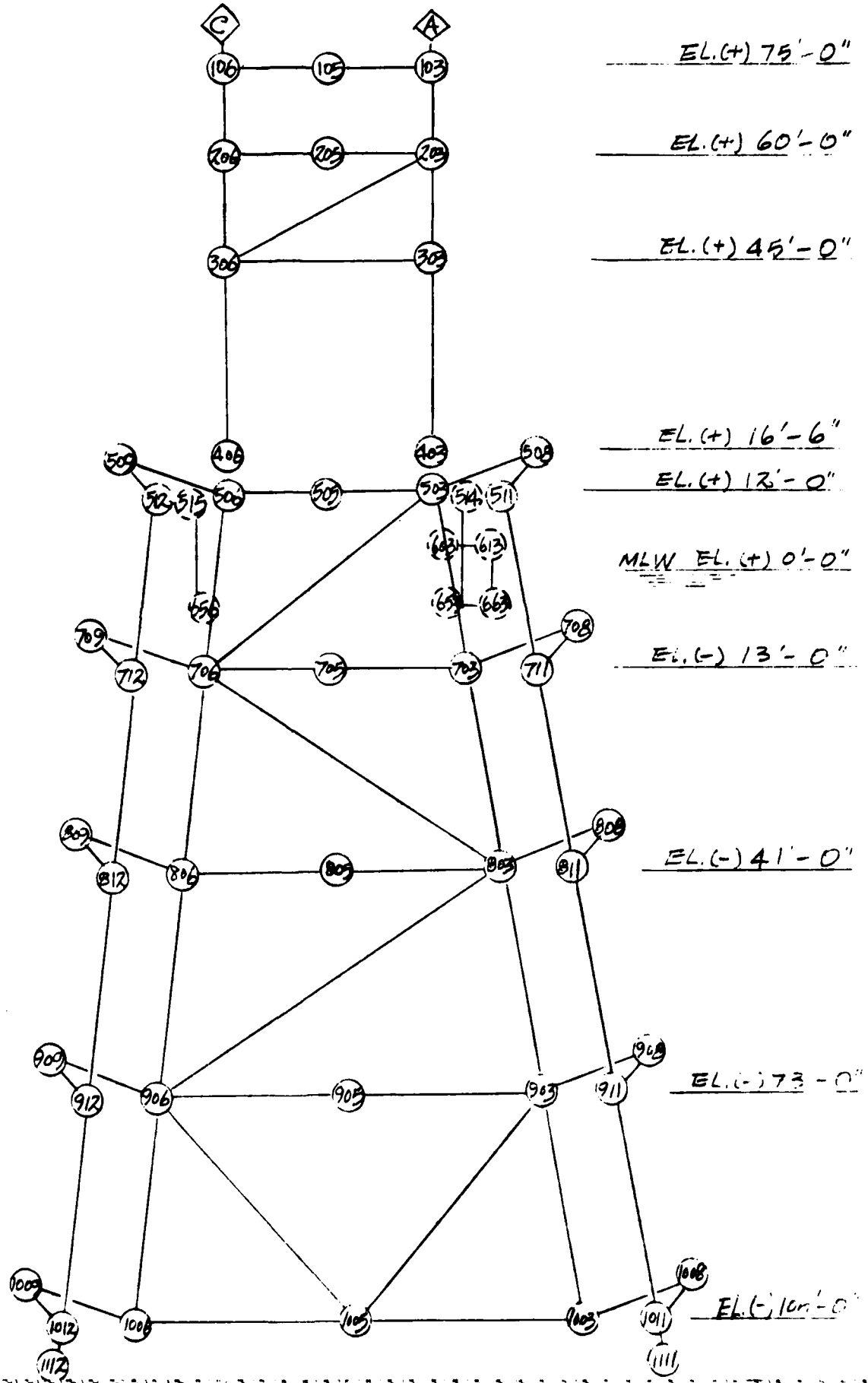
EL.(+) 75'-0"
203
202
201
EL.(+) 60'-0"
303
301
EL.(+) 45'-0"
403
401
EL.(+) 16'-6"
EL.(+) 12'-0"
MLW EL.(+) 0'-0"
703
702
701
EL.(-) 13'-0"
803
802
801
EL.(-) 41'-0"
903
902
901
EL.(-) 73'-0"
1003
1002
1001
EL.(-) 105'-0"

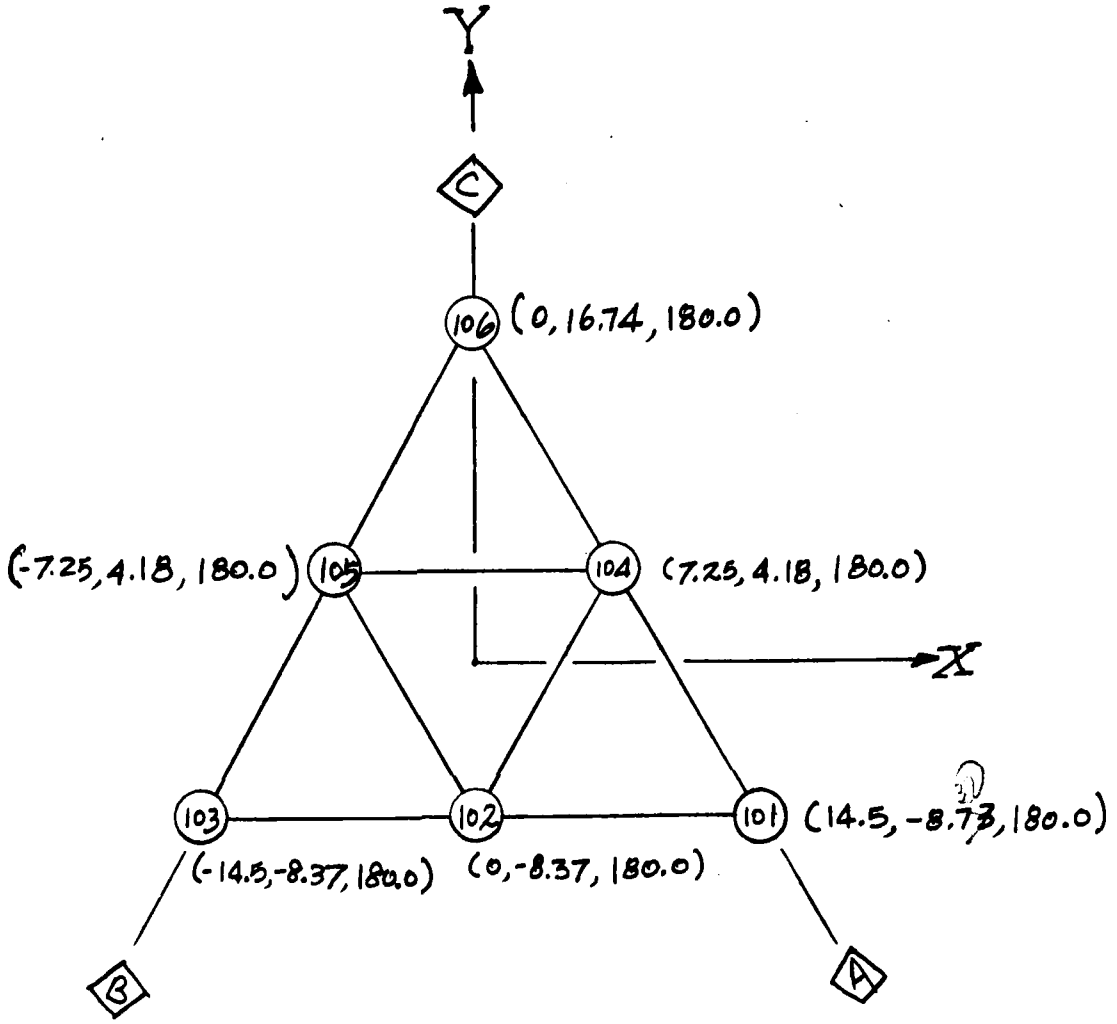
CREST OFFSHORE, INC.

Sheet 2 of 2

By [illegible] Client U.S. NAVY Subject Fatigue Analysis

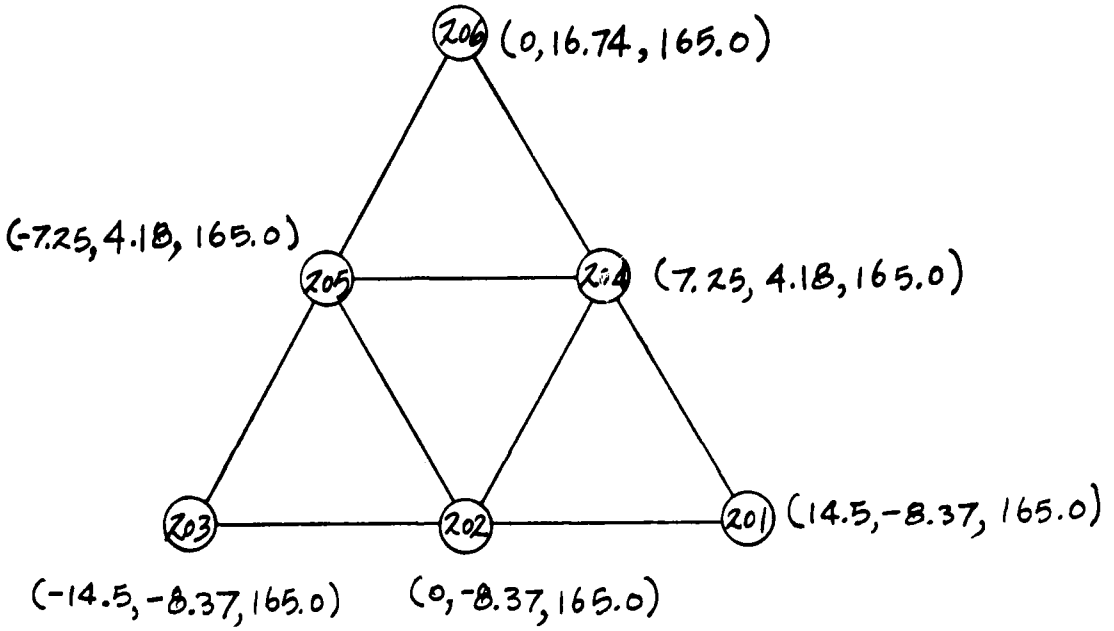
Date 8-5-76 Job No. 27-771-100 Calculation Elevations & Plans





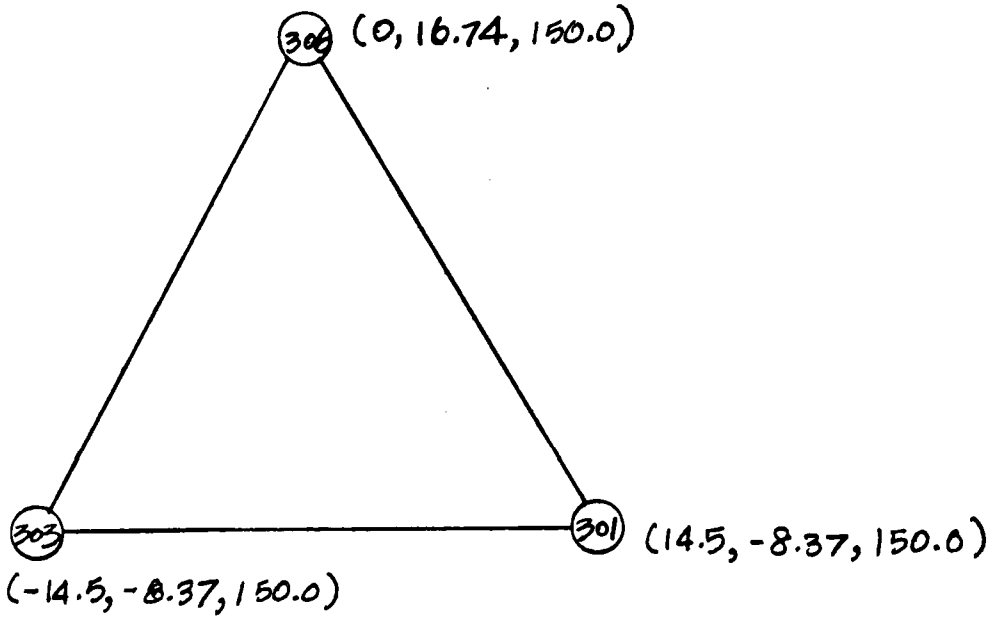
PLAN @ EL. (+) 75'-0"

Upper Deck



PLAN @ EL. (+) 60'-0"

Equipment Deck



PLAN @ EL.(+) 45'-0"

By C. Chern Client U.S. NAVY Subject Fatigue Analysis

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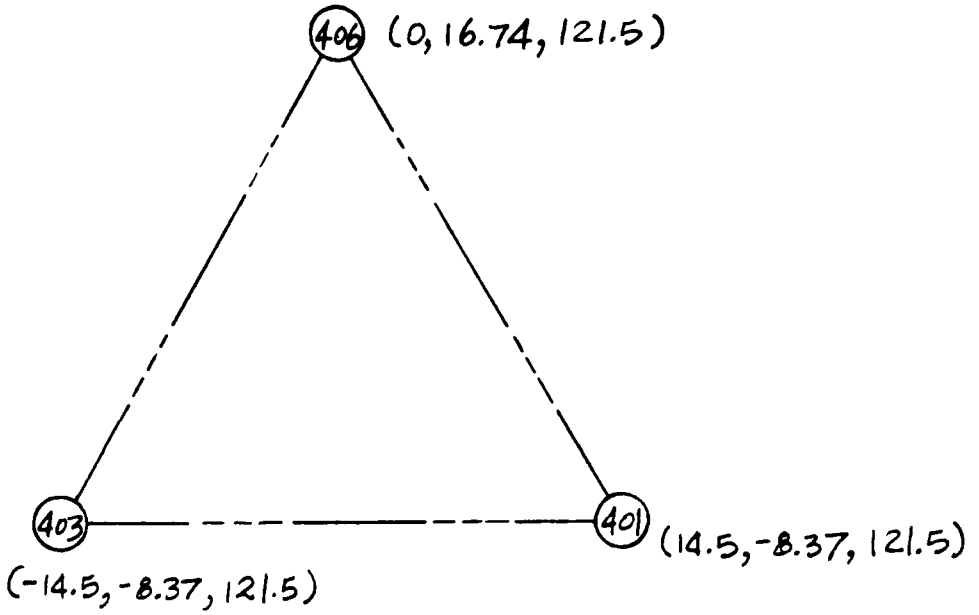
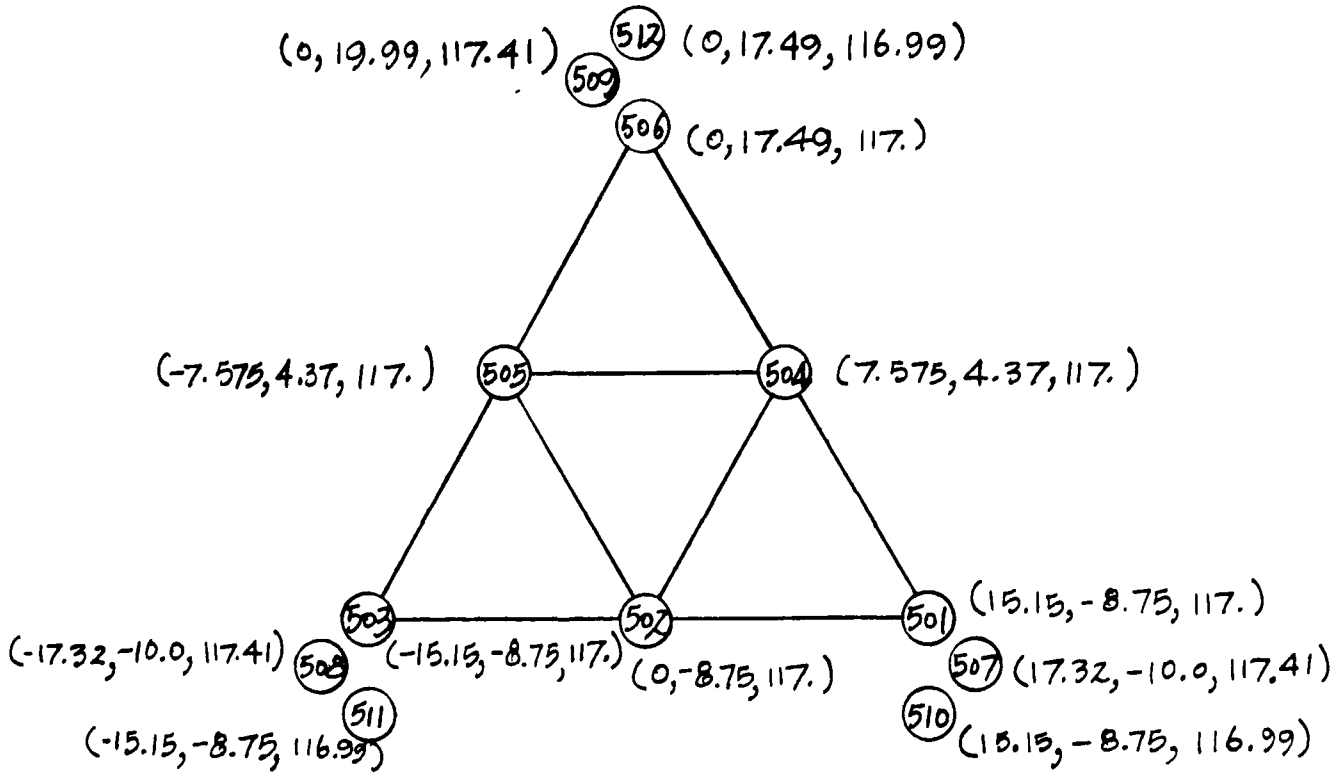


PLAN @ EL. (+) 16'-6"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(7.575, 4.37, 117.)
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502
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(0, -8.75, 117.)
507
(17.32, -10.0, 117.41)
511
510
(-15.15, -8.75, 116.99)
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By C. Chern Client U.S. NAVY Subject Fatigue Analysis

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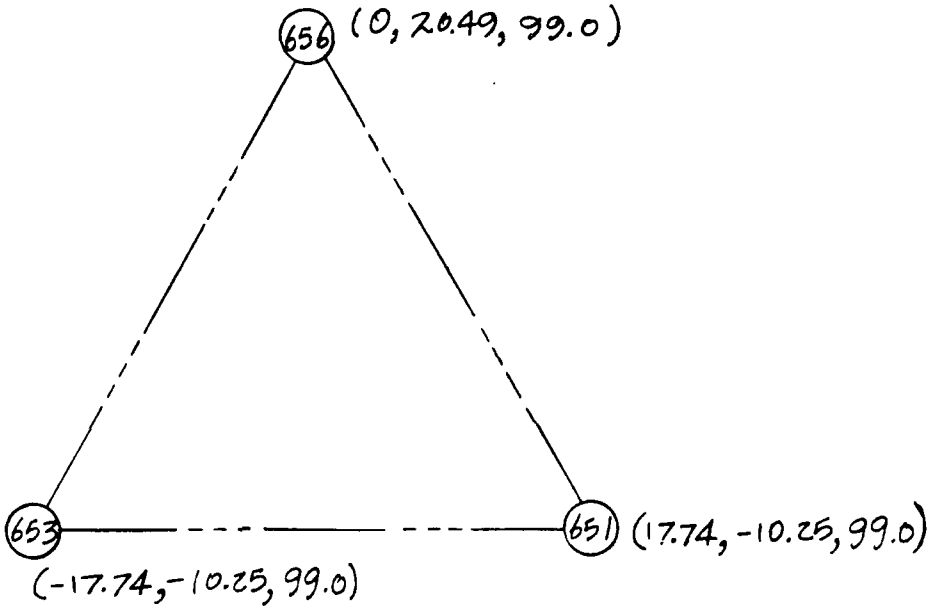
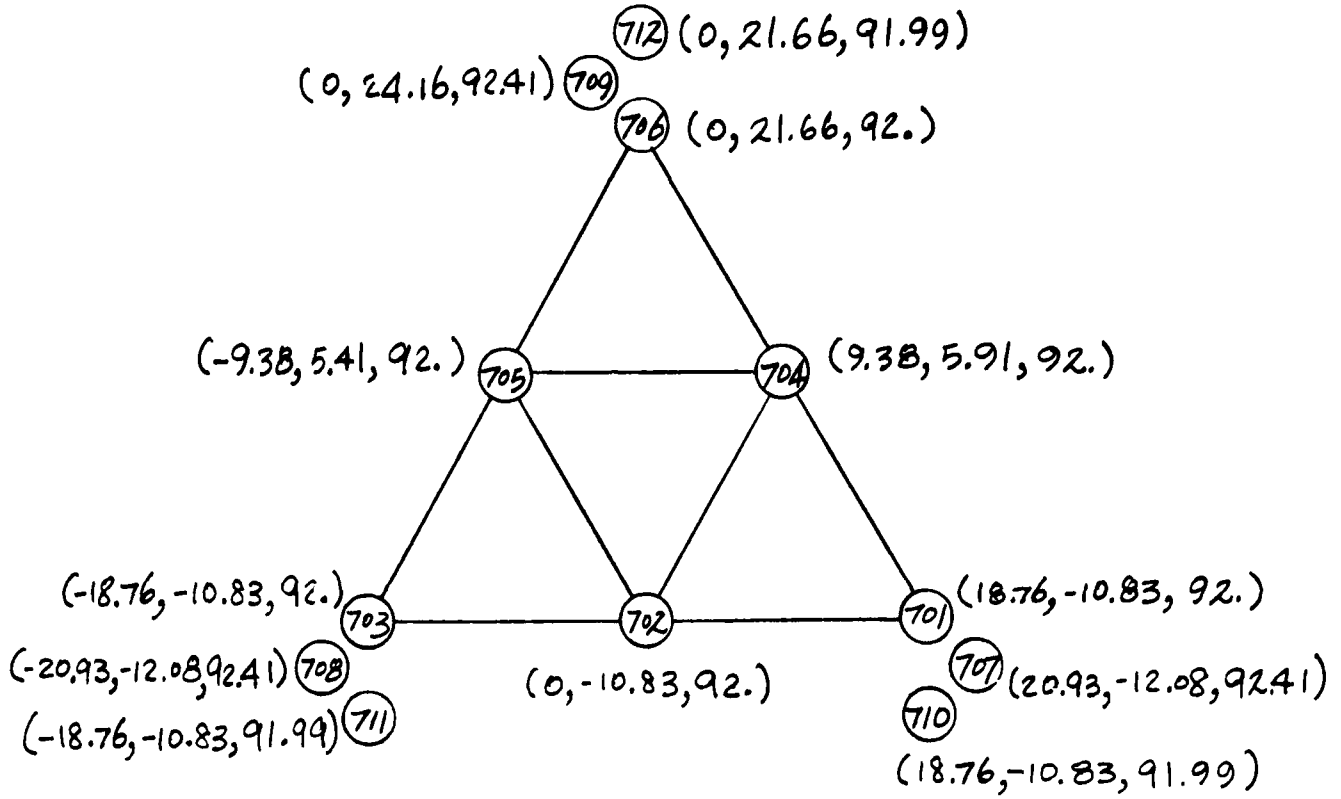


PLAN @ EL. (-) 6'-0"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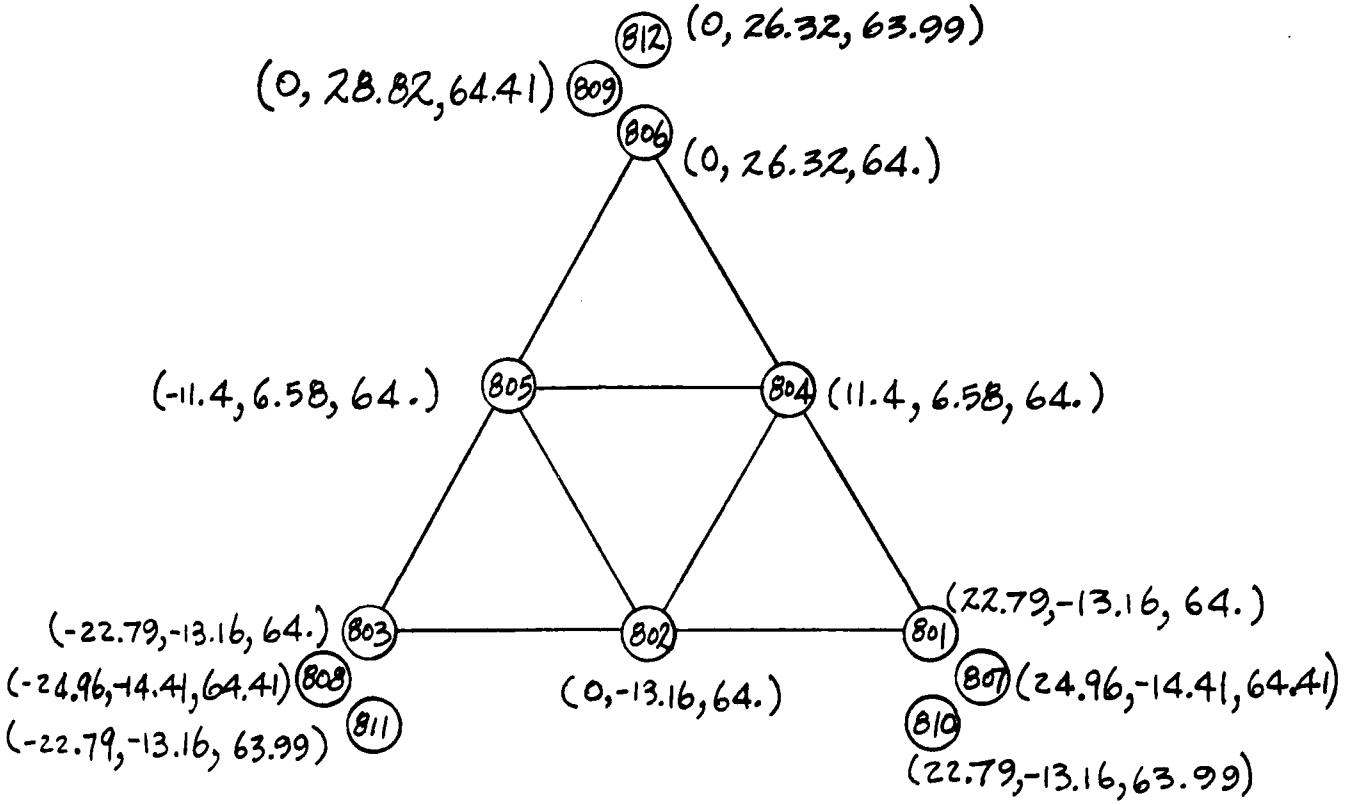
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802
801
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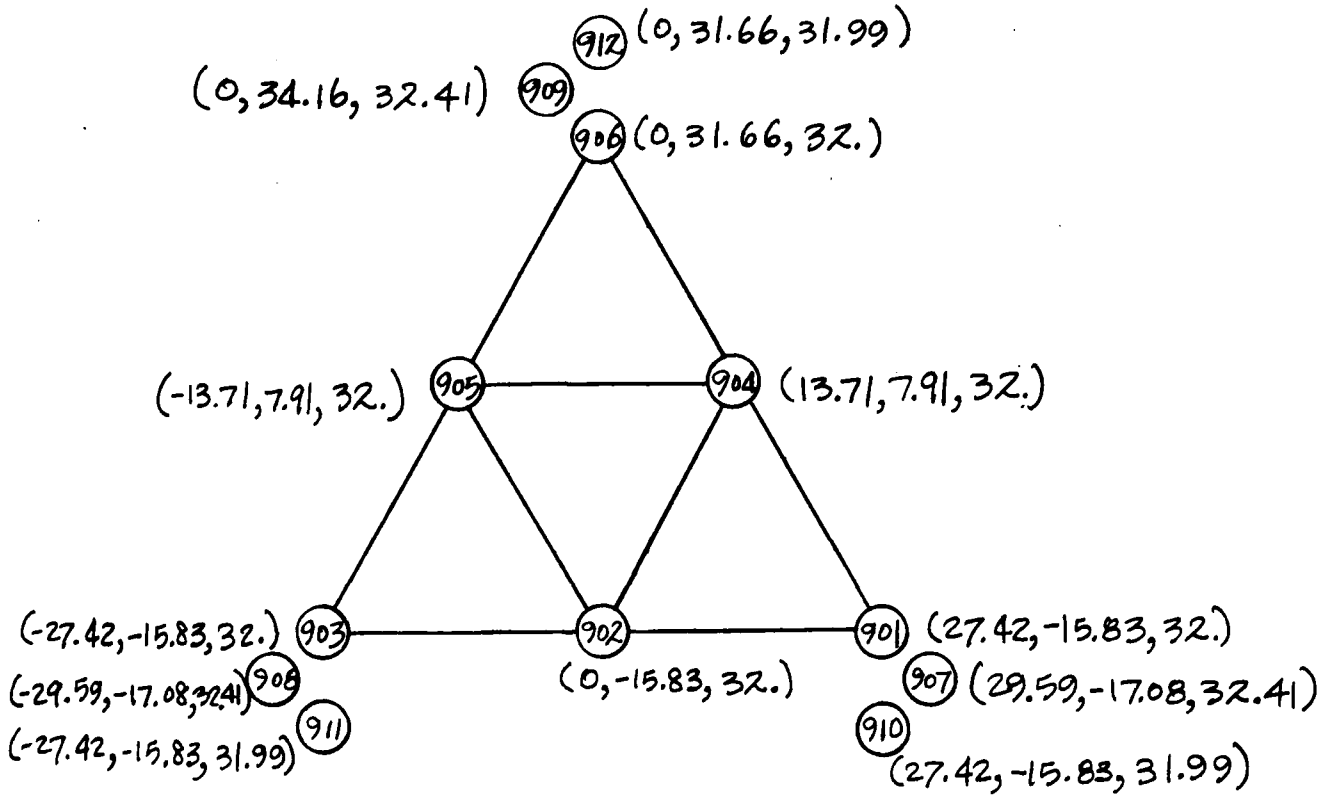
808
807
(24.96, -14.41, 64.41)
(0, -13.16, 64.)
811
(-22.79, -13.16, 63.99)
810
(22.79, -13.16, 63.99)

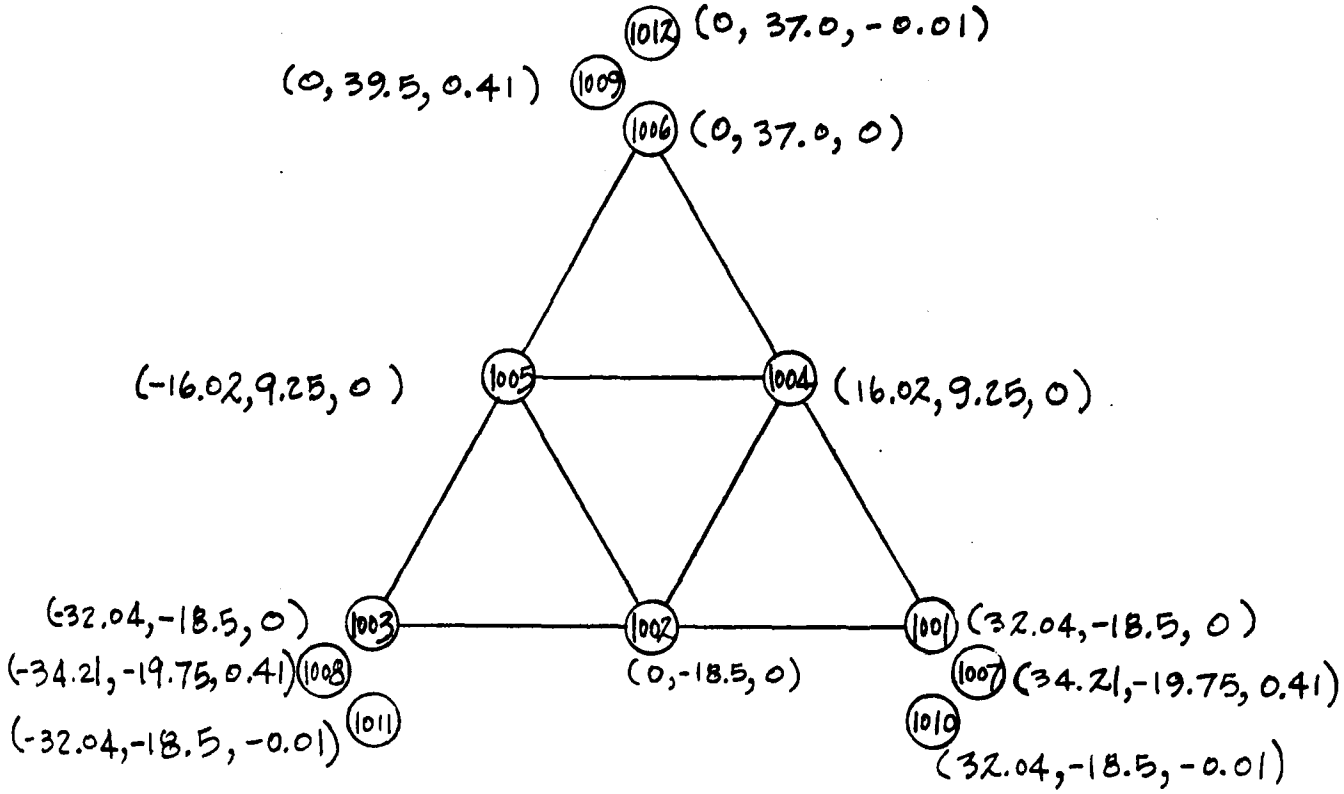
PLAN @ EL. (-) 41'-0"

By C. Chern Client U.S. NAVY Subject Fatigue Analysis

Date 8-5-76 Job No. 27-77L-100 Calculation Elevations & Plans



PLAN @ EL. (-) 73'-0"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1002
1001 (32.04, -18.5, 0)
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1007 (34.21, -19.75, 0.41)
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(-32.04, -18.5, -0.01)
1010
(32.04, -18.5, -0.01)

PLAN @ EL.(-) 105'-0"

By S. Chern Client U.S. NAVY Subject Fatigue Analysis

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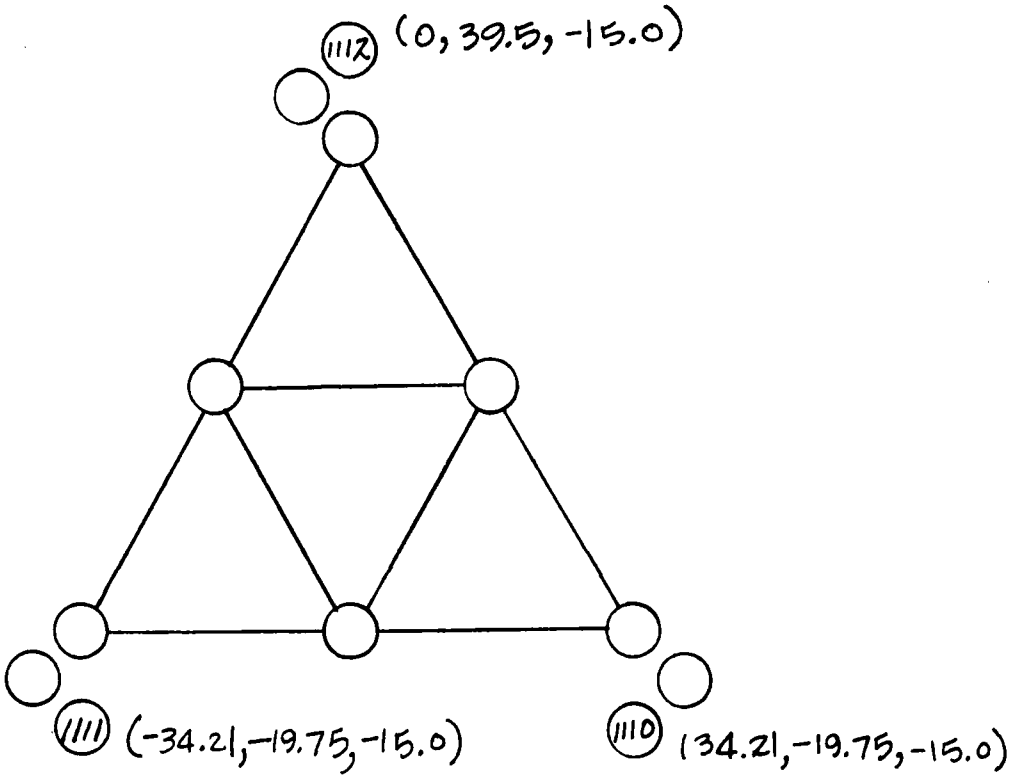


PLAN @ EL. (-) 120'-0"

SECTION 3

WAVE FORCES ON STRUCTURE

3.1 INTRODUCTION

Base shears on the platform structure attributable to waves and ocean currents are presented hereinafter. Stoke's Fifth Order Gravity Wave Theory* was employed to perform the calculation of wave forces on the structure. In the computations, it was assumed that the approaching wave direction was at 60 degrees with respect to the X-axis (See Page 2.06).

A transfer function relating the base shear and wave height relationship was obtained by means of the least squares approximation.

Computer printout of the wave force is compiled in APPENDIX C.

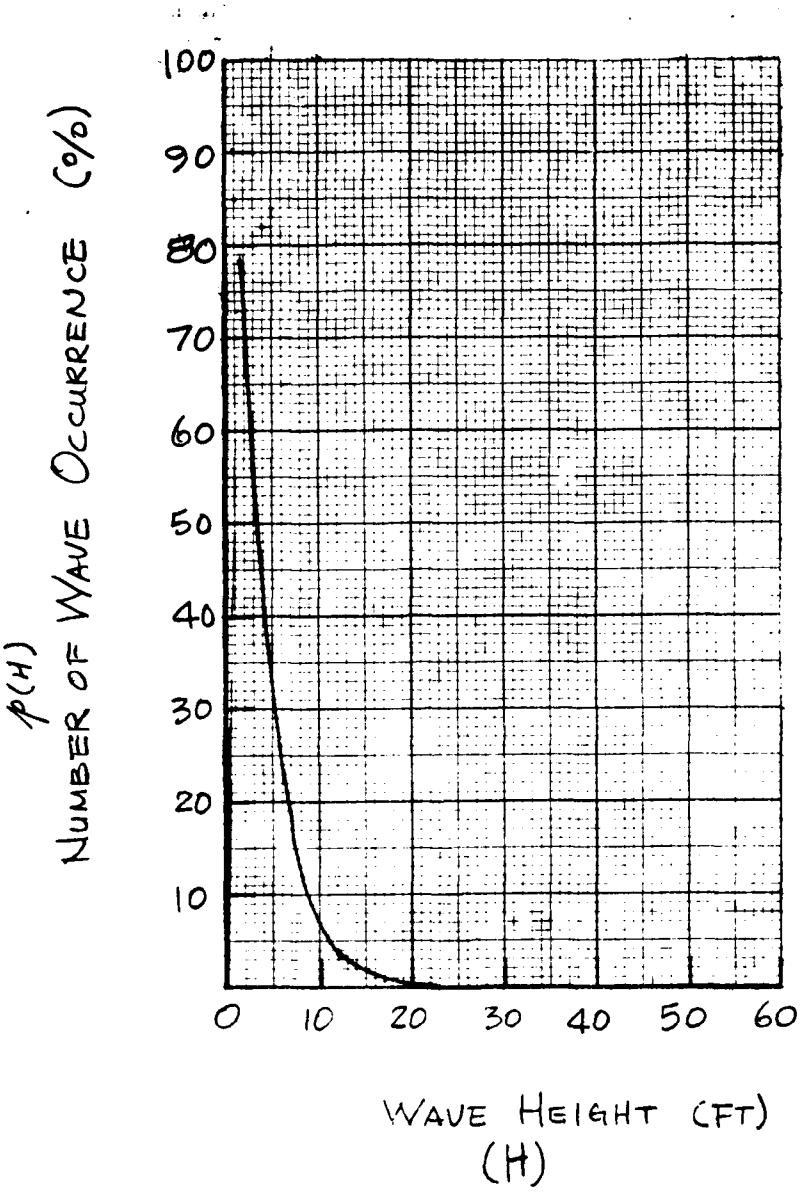
---

* A computer program on Stoke's Theory is available through Synercom Technology, Inc., Houston, Texas

3.2 PERCENTAGE DISTRIBUTION OF WAVE HEIGHT OCCURRENCE

REF: Table 39, Glenn's Report

WAVE HEIGHT CATEGORY (FEET)	NUMBER OF WAVES	PERCENTAGE OF OCCURRENCE
0 - 4 (2)	76,040,000	76.932
5 - 9 (7)	18,380,000	18.596
10 - 14 (12)	3,563,000	3.605
15 - 19 (17)	689,000	0.697
20 - 24 (22)	135,400	0.137
25 - 29 (27)	26,250	0.027
30 - 34 (32)	5,100	0.005
35 - 39 (37)	999	0.001
40 - 44 (42)	200	0.000
45 - 49 (47)	41	0.000
50 - 54 (52)	8	0.000
55 - 59 (57)	2	0.000
SUMMATION	98,840,000	100.000



Probability Density Function $p(H)$

3.3 DRAG AND INERTIA COEFFICIENTS

The following values are used in the computer program to produce wave forces on the structure:

Drag Coefficient:

$C_D = 0.74$ for members above MLW

$= 1.02$ for members below MLW

Inertia Coefficient:

$C_M = 1.34$ for all members

Marine Fouling

Addition of 2-inch on effective diameter for members below MLW.

3.4 CURRENT VELOCITY DISTRIBUTION PROFILES

Ref.: A.H. Glenn & Associates Report.

By C. Chern Client U. S. NAVY Subject Fatigue Analysis
Date 7-1-76 Job No. 27-77-100 Calculation Wave Forces on Structure

Wave Height = 2 FT Period = 5.9 Sec.

Total Tide = 1.7 FT

Still Water Level = 105 + 1.7 = 106.7 FT

Surface Current = 1.3 ft/sec. = 0.8 Knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
106.7	0	100	1.3 Knot (0.8)
96.0	10	93	1.2 (0.7)
85.4	20	84	1.1 (0.7)
74.7	30	77	1.0 (0.6)
64.0	40	70	0.9 (0.5)
53.4	50	64	0.8 (0.5)
42.7	60	55	0.7 (0.4)
32.0	70	48	0.6 (0.4)
21.3	80	41	0.5 (0.3)
10.7	90	32	0.4 (0.2)
0	100	14	0.2 (0.1)

Wave Height = 7 FT Period = 7.6 Sec.

Total Tide = 1.9 FT

Still Water Level = 105 + 1.9 = 106.9 FT

Surface Current = 1.3 ft/sec. = 0.8 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
106.9	0	100	1.3 (0.8) knot
96.2	10	93	1.2 (0.7)
85.5	20	84	1.1 (0.7)
74.8	30	77	1.0 (0.6)
64.1	40	70	0.9 (0.5)
53.4	50	64	0.8 (0.5)
42.7	60	55	0.7 (0.4)
32.0	70	48	0.6 (0.4)
21.3	80	41	0.5 (0.3)
10.7	90	32	0.4 (0.2)
0	100	14	0.2 (0.1)

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 7-1-76 Job No. 27-771-100 Calculation Wave Forces on Structure

Wave Height = 12 FT Period = 8.3 Sec.

Total Tide = 2.2 FT

Still Water Level = 105 + 2.2 = 107.2 FT

Surface Current = 1.4 ft/sec. = 0.8 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
107.2	0	100	1.4 knot (0.8)
96.5	10	93	1.3 (0.8)
85.8	20	84	1.2 (0.7)
75.0	30	77	1.1 (0.7)
64.3	40	70	1.0 (0.6)
53.6	50	64	0.9 (0.5)
42.9	60	55	0.8 (0.5)
32.2	70	48	0.7 (0.4)
21.4	80	41	0.6 (0.4)
10.7	90	32	0.4 (0.2)
0	100	14	0.2 (0.1)

Wave Height = 17 FT Period = 8.8 Sec.

Total Tide = 2.7 FT

Still Water Level = 105 + 2.7 = 107.7 FT

Surface Current = 1.5 ft/sec. = 0.9 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
107.7	0	100	1.5 knot (0.9)
96.9	10	93	1.4 (0.8)
86.2	20	84	1.3 (0.8)
75.4	30	77	1.2 (0.7)
64.6	40	70	1.1 (0.7)
53.9	50	64	1.0 (0.6)
43.1	60	55	0.8 (0.5)
32.3	70	48	0.7 (0.4)
21.5	80	41	0.6 (0.4)
10.8	90	32	0.5 (0.3)
0	100	14	0.2 (0.1)

Wave Height = 22 FT Period = 9.4 Sec.

Total Tide = 3.2 FT

Still Water Level = 105 + 3.2 = 108.2 FT

Surface Current = 1.7 ft/sec. = 1.0 Knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
108.2	0	100	1.7 Knot (1.0)
97.4	10	93	1.6 (0.9)
86.6	20	84	1.4 (0.8)
75.7	30	77	1.3 (0.8)
64.9	40	70	1.2 (0.7)
54.1	50	64	1.1 (0.6)
43.3	60	55	0.9 (0.5)
32.5	70	49	0.8 (0.5)
21.6	80	41	0.7 (0.4)
10.8	90	32	0.5 (0.3)
0	100	14	0.2 (0.1)

Wave Height = 27 FT Period = 9.8 Sec.

Total Tide = 3.7 FT

Still Water Level = 105 + 3.7 = 108.7 FT

Surface Current = 2.0 ft/sec. = 1.2 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
108.7	0	100	2.0 knot (1.2)
97.8	10	93	1.9 (1.1)
87.0	20	84	1.7 (1.0)
76.1	30	77	1.5 (0.9)
65.2	40	70	1.4 (0.8)
54.4	50	64	1.3 (0.8)
43.5	60	55	1.1 (0.7)
32.6	70	48	1.0 (0.6)
21.7	80	41	0.8 (0.5)
10.9	90	32	0.6 (0.4)
0	100	14	0.3 (0.2)

Wave Height = 32 FT Period = 10.4 Sec.

Total Tide = 4.3 FT

Still Water Level = 105 + 4.3 = 109.3 FT

Surface Current = 2.3 ft/sec. = 1.4 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
109.3	0	100	2.3 (1.4) knot
98.4	10	93	2.1 (1.2)
87.4	20	84	1.9 (1.1)
76.5	30	77	1.8 (1.0)
65.6	40	70	1.6 (0.9)
54.7	50	64	1.5 (0.9)
43.7	60	55	1.3 (0.8)
32.8	70	48	1.1 (0.7)
21.9	80	41	0.9 (0.5)
10.9	90	32	0.7 (0.4)
0	100	14	0.3 (0.2)

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 7-1-76 Job No. 27-771-100 Calculation Wave Forces on Structure

Wave Height = 37 FT Period = 10.9 Sec.

Total Tide = 4.9 FT

Still Water Level = 105 + 4.9 = 109.9 FT

Surface Current = 2.7 ft/sec. = 1.6 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
109.9	0	100	2.7 Knot (1.6)
98.9	10	93	2.5 (1.5)
87.9	20	84	2.3 (1.4)
76.9	30	77	2.1 (1.2)
65.9	40	70	1.9 (1.1)
54.9	50	64	1.7 (1.0)
44.0	60	55	1.5 (0.9)
33.0	70	48	1.3 (0.8)
22.0	80	41	1.1 (0.7)
11.0	90	32	0.9 (0.5)
0	100	14	0.4 (0.2)

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 7-1-76 Job No. 22-77L-100 Calculation Wave Forces on Structure

Wave Height = 42 FT Period = 11.4 Sec.

Total Tide = 5.4 FT

Still Water Level = 105 + 5.4 = 110.4 FT

Surface Current = 3.1 ft/sec. = 1.8 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
110.4	0	100	3.1 (1.8) knot
99.4	10	93	2.9 (1.7)
88.3	20	84	2.6 (1.5)
77.3	30	77	2.4 (1.4)
66.2	40	70	2.2 (1.3)
55.2	50	64	2.0 (1.2)
44.2	60	55	1.7 (1.0)
33.1	70	48	1.5 (0.9)
22.1	80	41	1.3 (0.8)
11.0	90	32	1.0 (0.6)
0	100	14	0.4 (0.2)

By C.Chern Client U.S. NAVY Subject Fatigue Analysis
Date 7-1-76 Job No. 37-711-100 Calculation Wave Forces on Structure

Wave Height = 47 FT Period = 12.0 Sec.

Total Tide = 6.0 FT

Still Water Level = 105 + 6 = 111.0 FT

Surface Current = 3.5 ft/sec. = 2.1 Knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
111.0	0	100	3.5 Knot (2.1)
100.0	10	93	3.3 (2.0)
88.8	20	84	2.9 (1.7)
77.7	30	77	2.7 (1.6)
66.6	40	70	2.5 (1.5)
55.5	50	64	2.2 (1.3)
44.4	60	55	1.9 (1.1)
33.3	70	48	1.7 (1.0)
22.2	80	41	1.4 (0.8)
11.1	90	32	1.1 (0.7)
0	100	14	0.5 (0.3)

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 7-1-76 Job No. 27-77-100 Calculation Wave Forces on Structure

Wave Height = 52 FT Period = 12.6 Sec.

Total Tide = 6.6 FT

Still Water Level = 105 + 6.6 = 111.6 FT

Surface Current = 3.9 ft/sec. = 2.3 knot

Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
111.6	0	100	3.9 (2.3) Knot
100.4	10	93	3.6 (2.1)
89.3	20	84	3.3 (2.0)
78.1	30	77	3.0 (1.8)
67.0	40	70	2.7 (1.6)
55.8	50	64	2.5 (1.5)
44.6	60	55	2.1 (1.2)
33.5	70	48	1.9 (1.1)
22.3	80	41	1.6 (0.9)
11.2	90	32	1.2 (0.7)
0	100	14	0.5 (0.3)

Wave Height = 57 FT Period = 13.2 Sec.

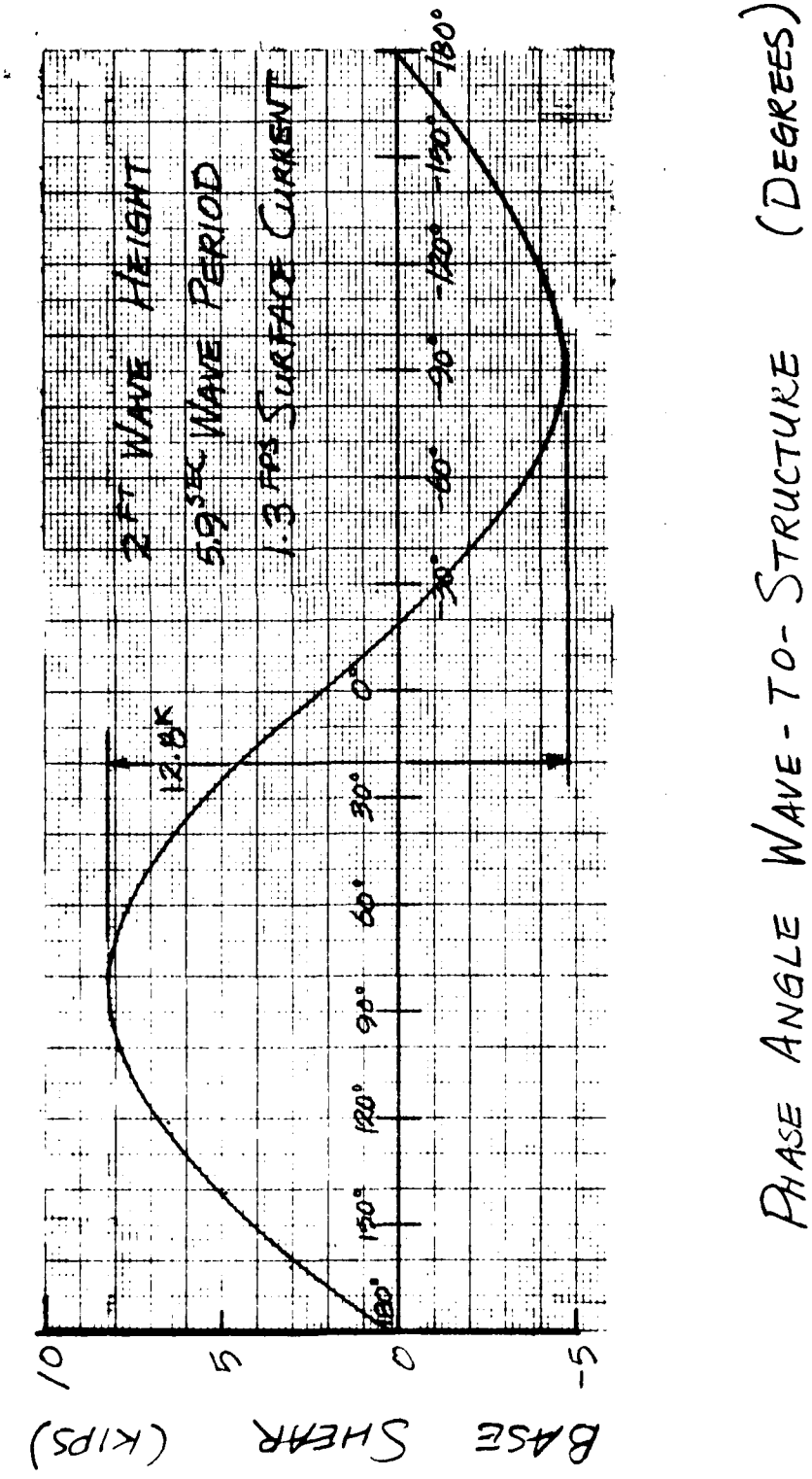
Total Tide = 7.2 FT

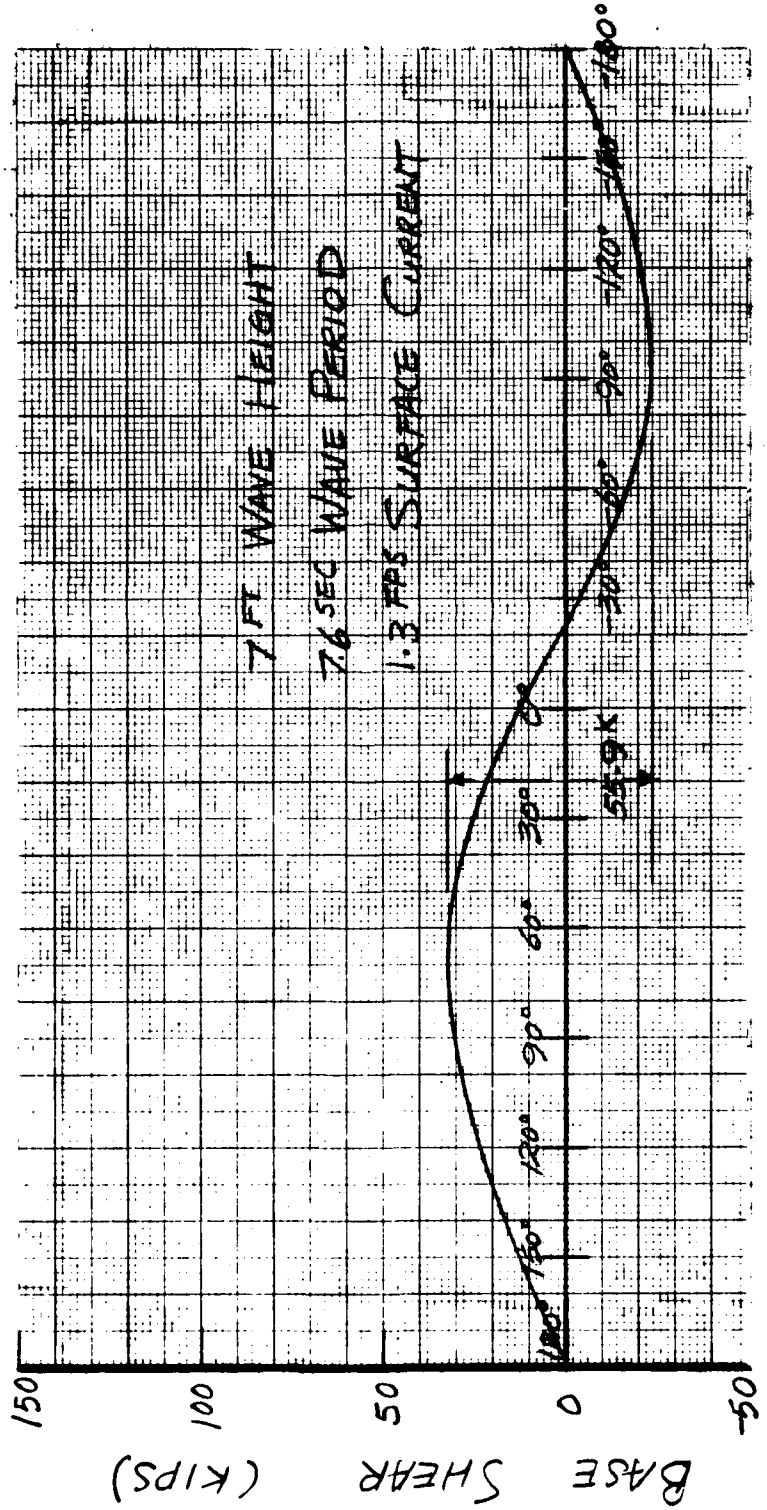
Still Water Level = 105 + 7.2 = 112.2 FT

Surface Current = 4.3 ft/sec. = 2.5 Knot

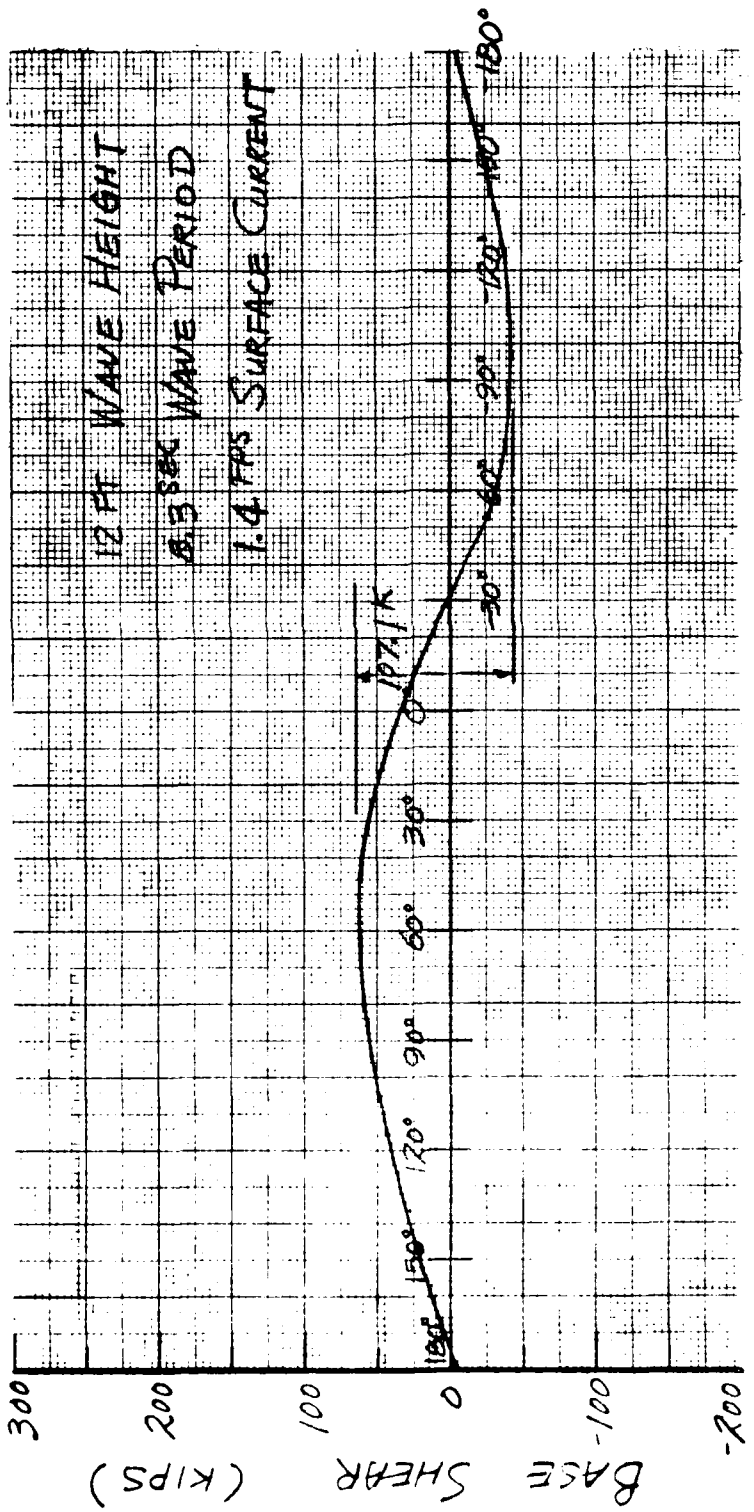
Elevation Above Mudline (FT)	Percentage of Depth	Percentage of Surface Current	Current Velocity (FT/SEC)
112.2	0	100	4.3 Knot (2.5)
101.0	10	93	4.0 (2.4)
89.8	20	84	3.6 (2.1)
78.5	30	77	3.3 (2.0)
67.3	40	70	3.0 (1.8)
56.1	50	64	2.8 (1.7)
44.9	60	55	2.4 (1.4)
33.7	70	48	2.1 (1.2)
22.4	80	41	1.8 (1.1)
11.2	90	32	1.4 (0.8)
0	100	14	0.6 (0.4)

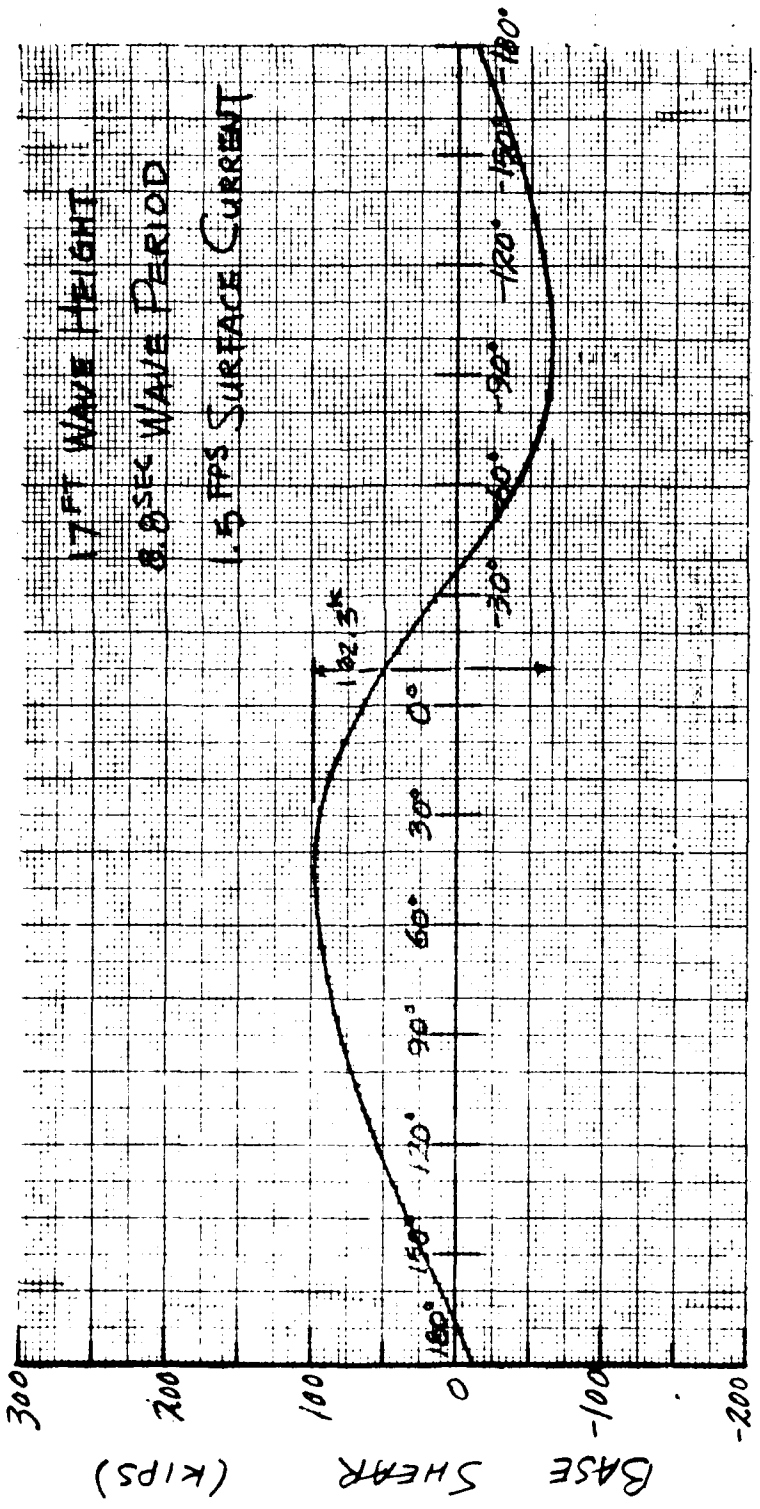
3.5 WAVE HEIGHT AND BASE SHEAR RELATIONSHIP

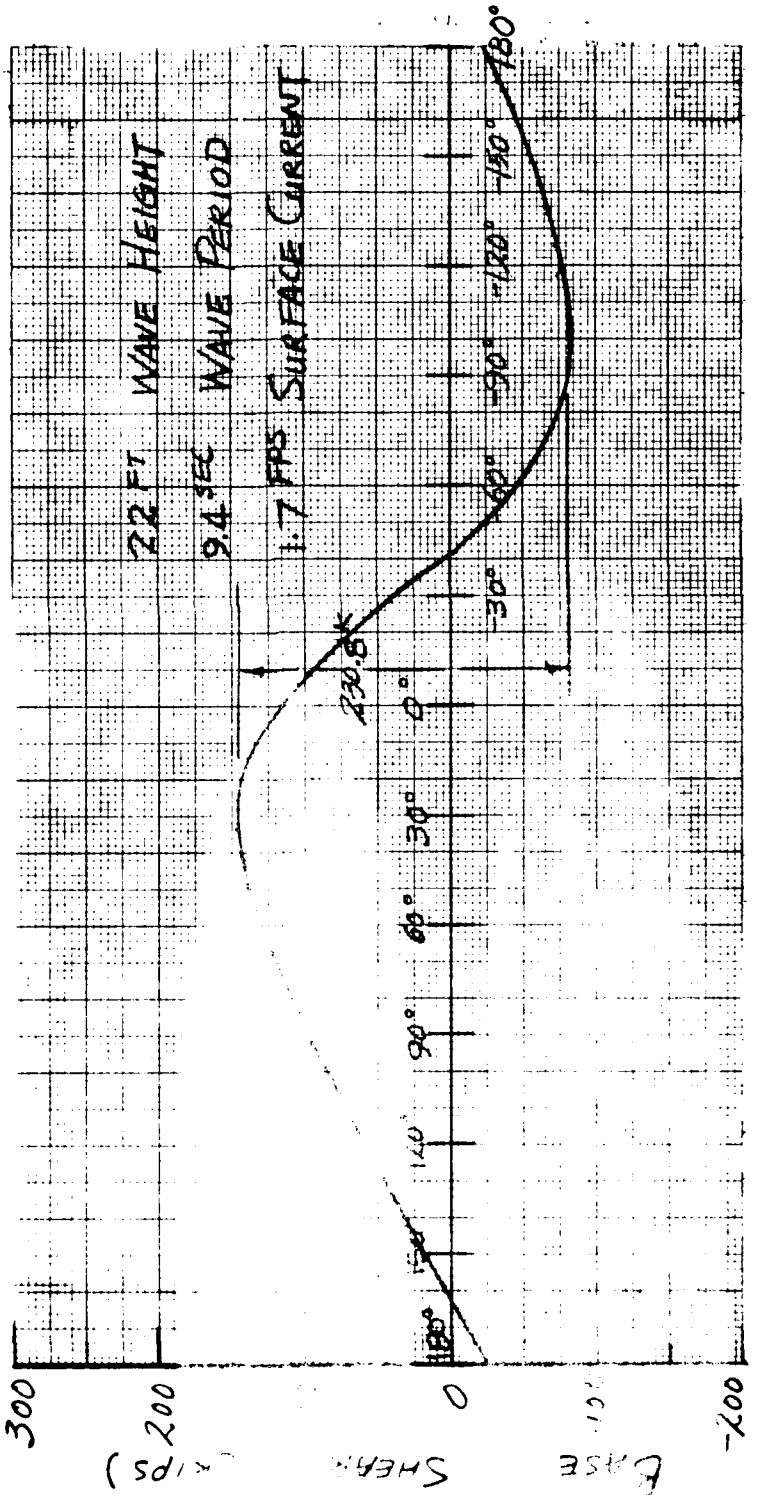

2 FT WAVE HEIGHT
5.9 SEC WAVE PERIOD
1.3 FPS SURFACE CURRENT
12.8K
10
5
0
-5
BASE SHEAR (KIPS)
0°
30°
60°
90°
120°
150°
180°
-30°
-60°
-90°
-120°
-150°
-180°
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)



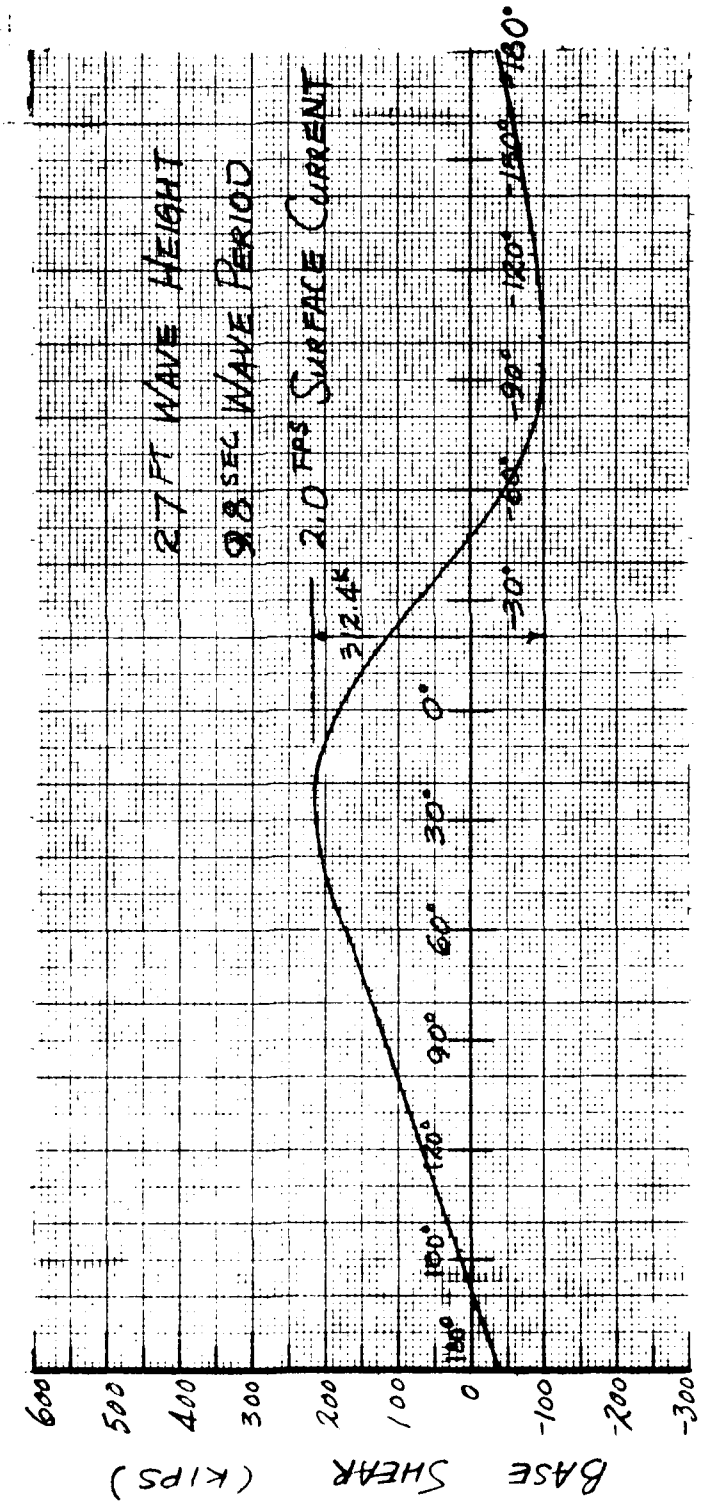
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)

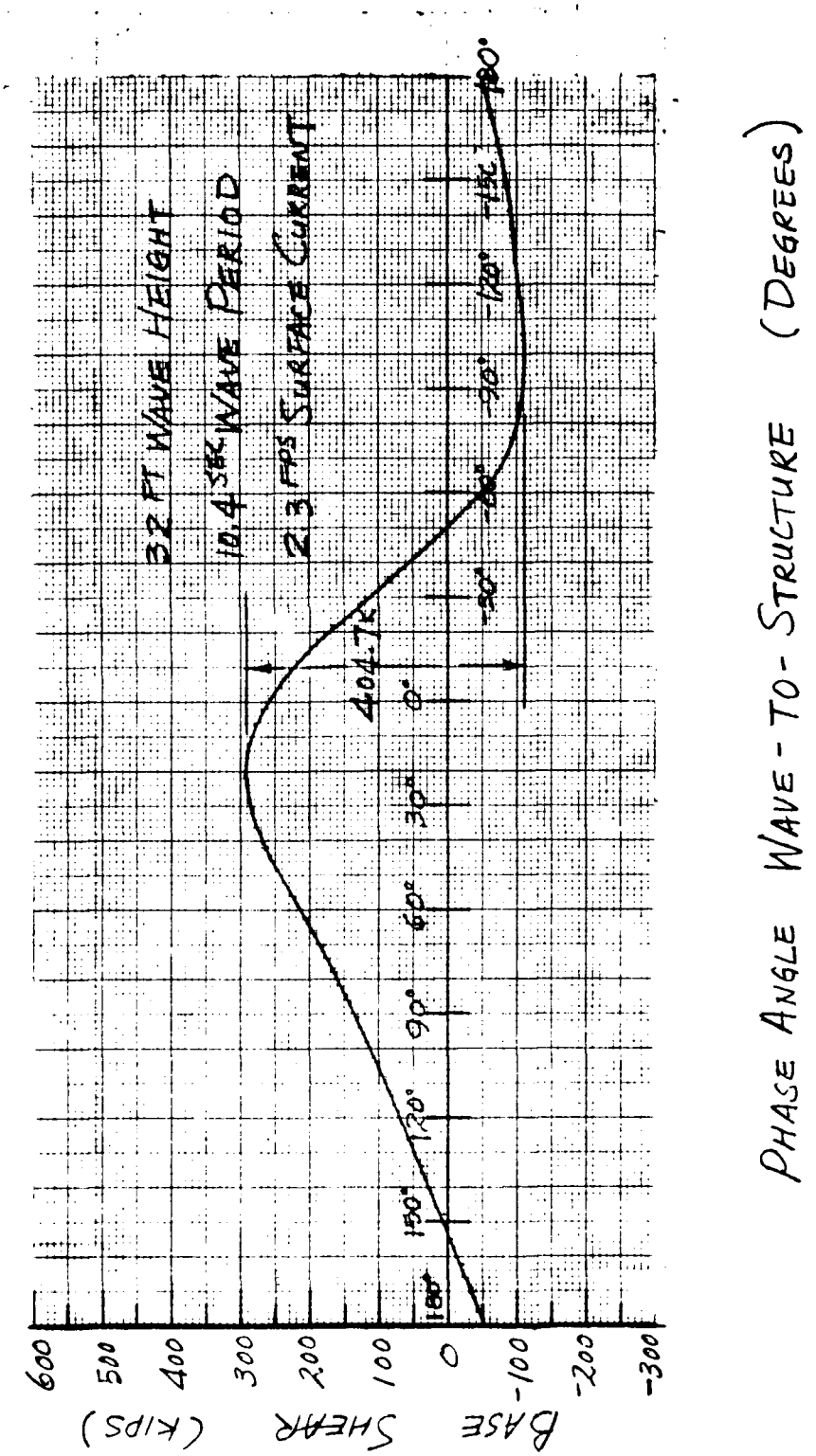

12 Ft Wave Height
8.3 Sec Wave Period
1.4 FPS Surface Current
177 K
0°
30°
60°
90°
120°
150°
180°
300
200
100
0
-100
-200
Base Shear (KIPS)
Phase Angle Wave-to-Structure (Degrees)

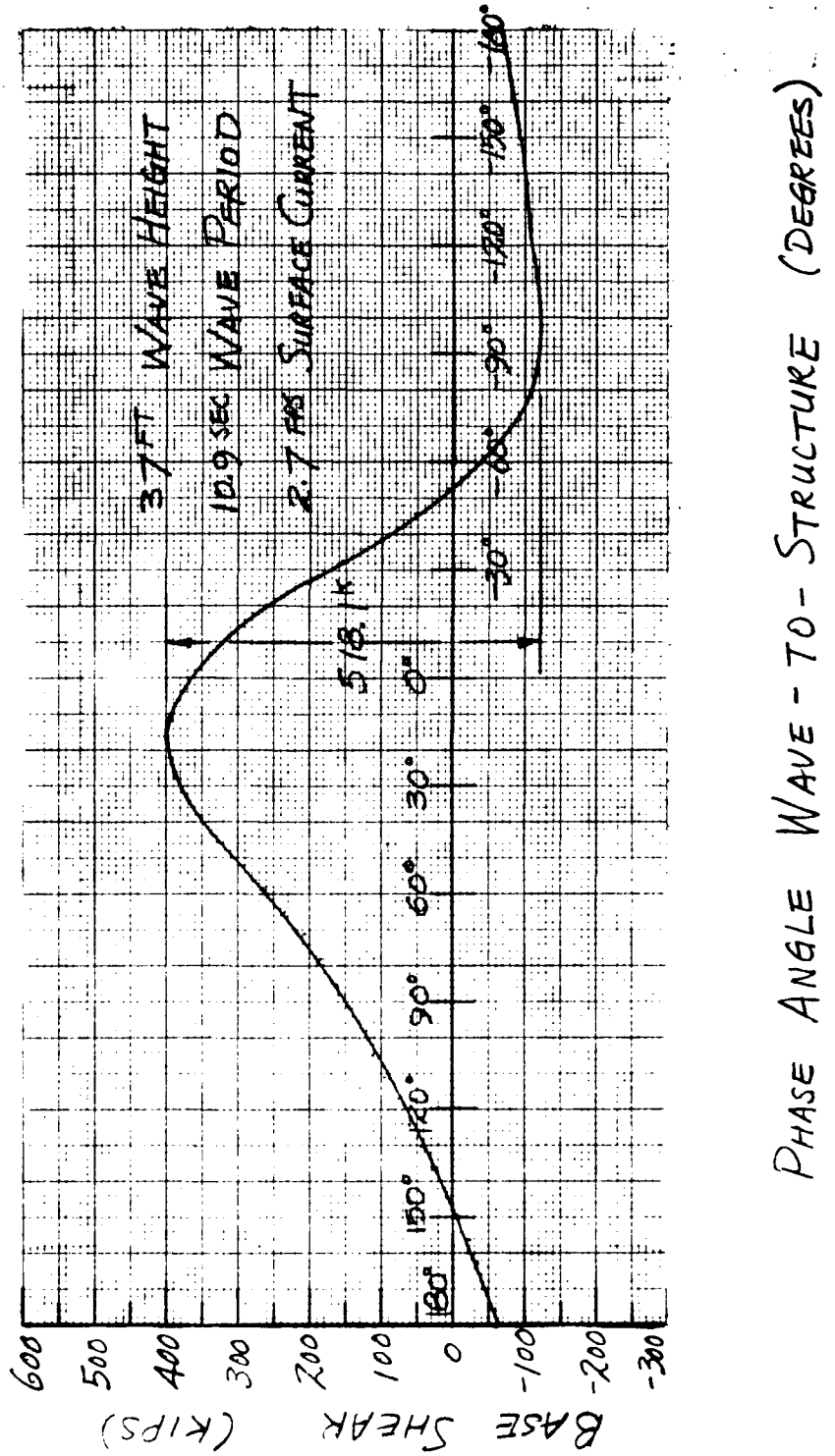

17 FT WAVE HEIGHT
8.0 SEC WAVE PERIOD
1.5 FPS SURFACE CURRENT
162.3*
0°
30°
60°
90°
120°
150°
180°
-30°
-60°
-90°
-120°
-150°
-180°
300
200
100
0
-100
-200
BASE SHEAR (KIPS)
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)

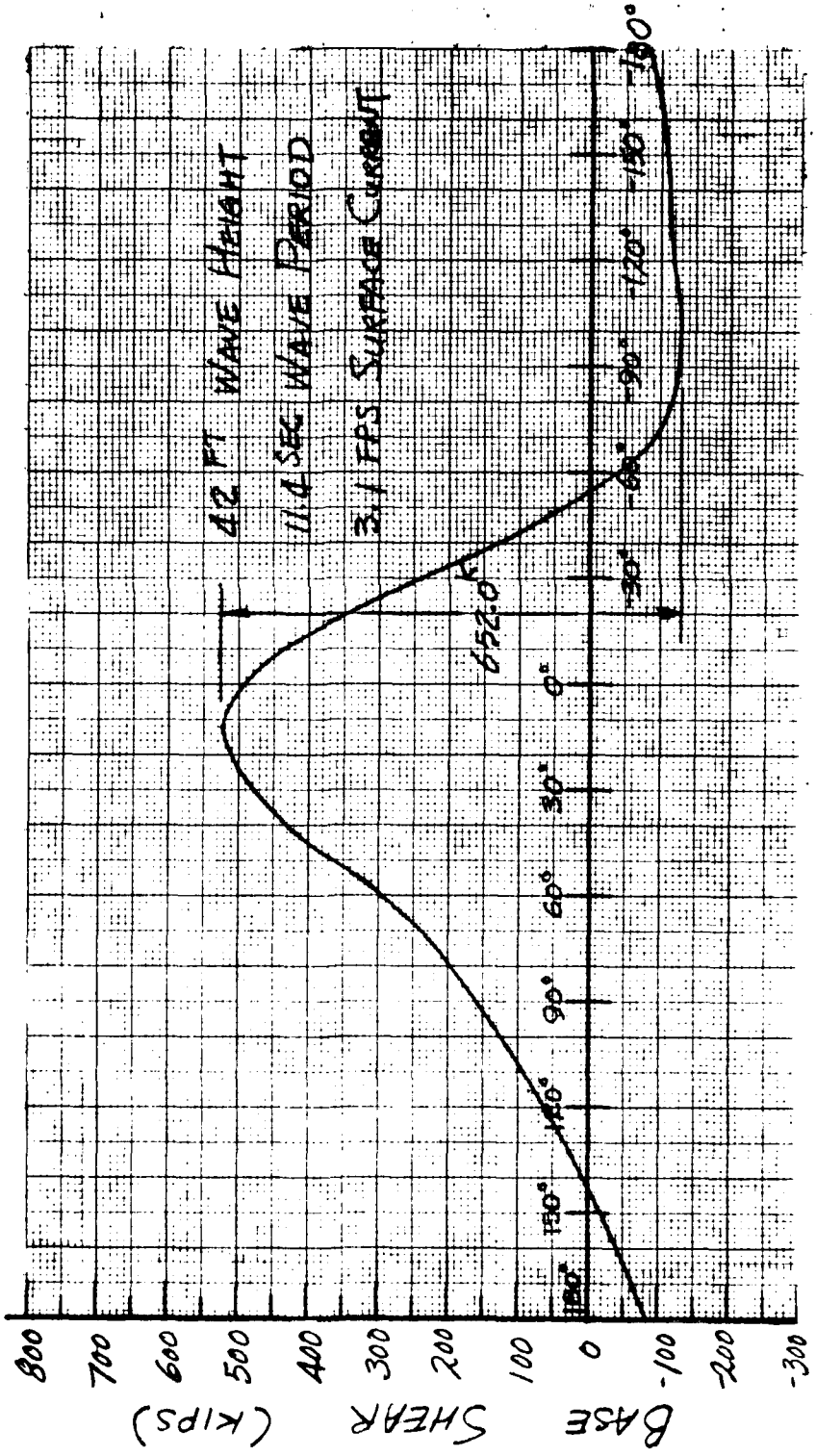


PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)


27 FT WAVE HEIGHT
9.8 SEC WAVE PERIOD
2.0 FPS SURFACE CURRENT
312.4K
0°
30°
60°
90°
120°
150°
180°
600
500
400
300
200
100
0
-100
-200
-300
BASE SHEAR (KIPS)
PHASE ANGLE WAVE - TO - STRUCTURE (DEGREES)

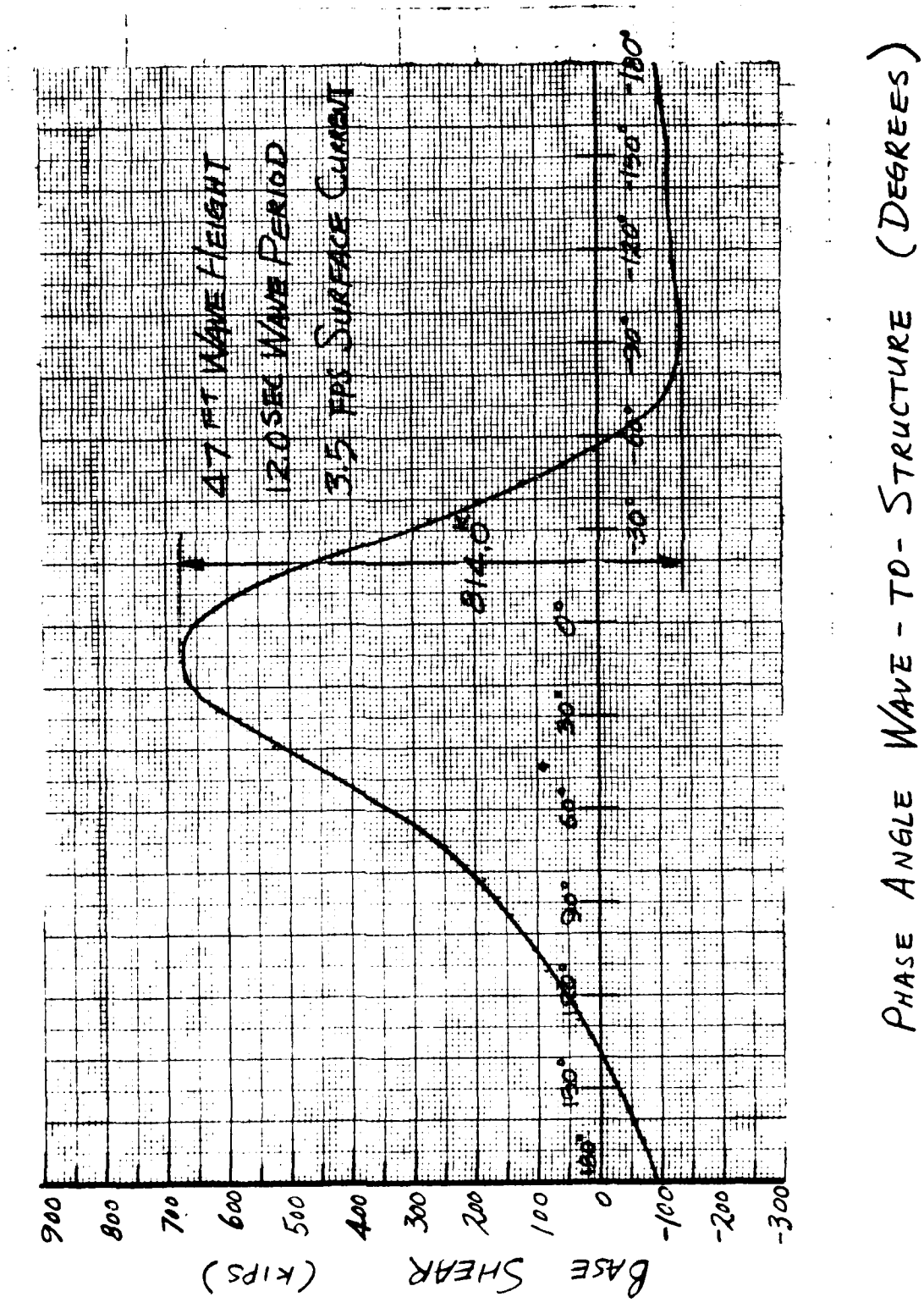

32 FT WAVE HEIGHT
10.4 SEC WAVE PERIOD
2.3 FPS SURFACE CURRENT
404.7K
0°
30°
60°
90°
120°
150°
180°
-30°
-60°
-90°
-120°
-150°
-180°
600
500
400
300
200
100
0
-100
-200
-300
BASE SHEAR (KIPS)
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)

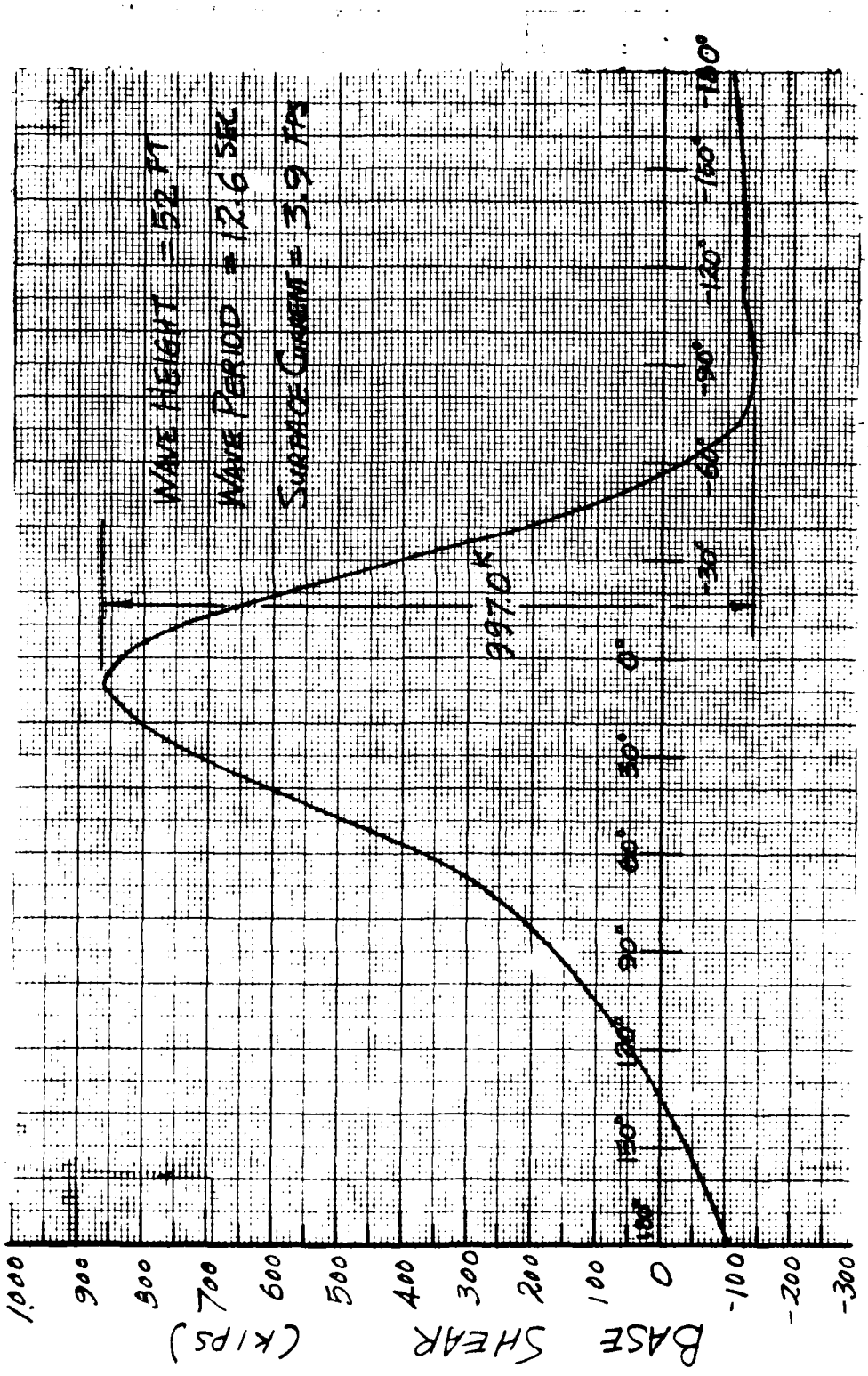

37 FT WAVE HEIGHT
10.9 SEC WAVE PERIOD
2.7 KTS SURFACE CURRENT
518.1 K
0°
30°
60°
90°
120°
150°
180°
-30°
-60°
-120°
-150°
-180°
600
500
400
300
200
100
0
-100
-200
-300
BASE SHEAR (KIPS)
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)

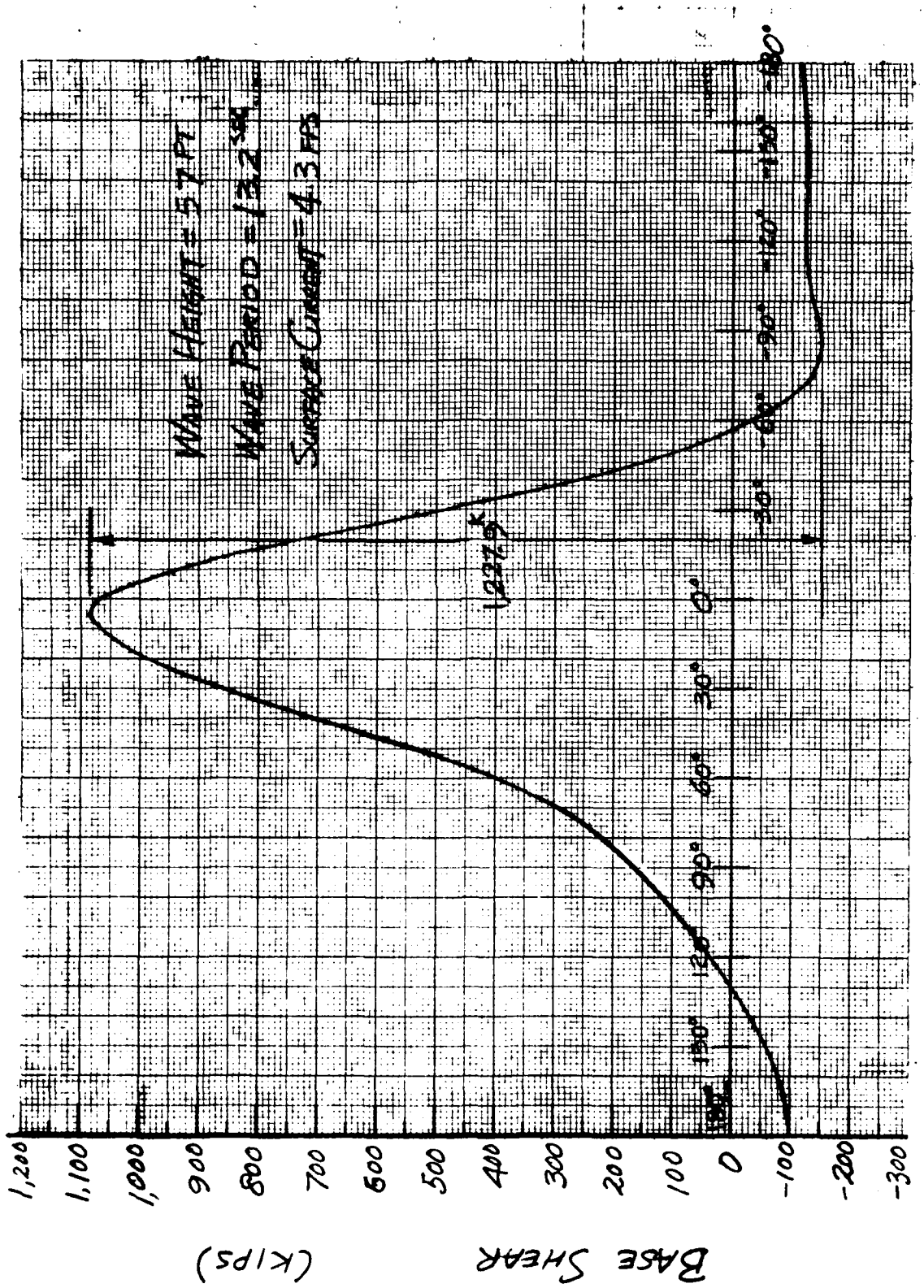

42 FT WAVE HEIGHT
11.4 SEC WAVE PERIOD
3.1 FPS SURFACE CURRENT
652.0 K
-180°
-150°
-120°
-90°
-60°
-30°
0°
30°
60°
90°
120°
150°
180°
800
700
600
500
400
300
200
100
0
-100
-200
-300
BASE SHEAR (KIPS)
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)

By C. Chern Client U. S. NAVY Subject Fatigue Analysis

Date 1-20-76 Job No. 27-771-100 Calculation Wave Forces on Structure




WAVE HEIGHT = 52 FT
WAVE PERIOD = 12.6 SEC
SURFACE CURRENT = 3.9 FPS
997.0 K
0°
30°
60°
90°
120°
150°
180°
-30°
-60°
-90°
-120°
-150°
-180°
1000
900
800
700
600
500
400
300
200
100
0
-100
-200
-300
BASE SHEAR (KIPS)
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)


WAVE HEIGHT = 51 FT
WAVE PERIOD = 13.2 SEC
SURFACE CURRENT = 4.3 FPS
1227.9 K
0°
30°
60°
90°
120°
150°
180°
-30°
-60°
-90°
-120°
-150°
-180°
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
-100
-200
-300
BASE SHEAR (KIPS)
PHASE ANGLE WAVE-TO-STRUCTURE (DEGREES)

BASE SHEAR VS. WAVE HEIGHT

WAVE HEIGHT	BASE SHEAR		
	POSITIVE	NEGATIVE	RANGE
FT	KIPS	KIPS	KIPS
2	8.2	4.6	12.8
7	32.1	23.8	55.9
12	62.4	44.7	107.1
17	97.9	64.4	162.3
22	148.3	82.5	230.8
27	214.8	97.6	312.4
32	293.5	111.2	404.7
37	396.5	121.6	518.1
42	521.3	130.7	652.0
47	677.5	136.8	814.0
52	854.6	142.4	997.0
57	1,081.5	146.4	1,227.9
61.3*	1,428.7	319.5	

* From Report No. 27-771-96

3.6 TRANSFER FUNCTION

A. BASE SHEAR RANGE

Assuming that a second-order polynomial is selected as the approximating transfer function

$$V_R = a_2 H^2 + a_1 H + a_0 \qquad (1)$$

where V_R = base shear range, kips

H = wave height, feet

a_2, a_1, a_0 = constant coefficients

Error at data point i is then

$$\varepsilon_i = (a_2 H_i^2 + a_1 H_i + a_0 - V_{Ri}) \qquad (2)$$

$i = 1, 2, \ldots, m$ $\quad$ m = number of data points

The sum of the error squares is

$$S = \sum_{i=1}^{m} \varepsilon_i^2 = \sum_{i=1}^{m} (a_2 H_i^2 + a_1 H_i + a_0 - V_{Ri})^2 \qquad (3)$$

For S to be a minimum it is necessary that

$$\frac{\partial S}{\partial a_2} = 0 \; ; \quad \frac{\partial S}{\partial a_1} = 0 \; ; \quad \frac{\partial S}{\partial a_0} = 0$$

$$\text{or} \quad \left.\begin{aligned} &\sum_{i=1}^{m} 2H_i^2(a_2H_i^2 + a_1H_i + a_0 - V_{Ri}) = 0 \\ &\sum_{i=1}^{m} 2H_i(a_2H_i^2 + a_1H_i + a_0 - V_{Ri}) = 0 \\ &\sum_{i=1}^{m} 2(a_2H_i^2 + a_1H_i + a_0 - V_{Ri}) = 0 \end{aligned}\right\} \qquad (4)$$

The set of equations shown above may be expressed in matrix form as follows:

$$\begin{bmatrix} \sum H_i^4 & \sum H_i^3 & \sum H_i^2 \\ \sum H_i^3 & \sum H_i^2 & \sum H_i \\ \sum H_i^2 & \sum H_i & m \end{bmatrix} \begin{bmatrix} a_2 \\ a_1 \\ a_0 \end{bmatrix} = \begin{bmatrix} \sum H_i^2 V_{Ri} \\ \sum H_i V_{Ri} \\ \sum V_{Ri} \end{bmatrix} \qquad (5)$$

H	H^2	H^3	H^4	V_R	HV_R	H^2V_R
2	4	8	16	12.8	25.6	51.2
7	49	343	2,401	55.9	391.3	2,739.1
12	144	1,728	20,736	107.1	1,285.2	15,422.4
17	289	4,913	83,521	162.3	2,759.1	46,904.7
22	484	10,648	234,256	230.8	5,077.6	111,707.2
27	729	19,683	531,441	312.4	8,434.8	227,739.6
32	1,024	32,768	1,048,576	404.7	12,950.4	414,412.8
37	1,369	50,653	1,874,161	518.1	19,169.7	709,278.9
42	1,764	74,088	3,111,696	652.0	27,384.0	1,150,128.0
47	2,209	103,823	4,879,681	814.0	38,258.0	1,798,126.0
52	2,704	140,608	7,311,616	997.0	51,844.0	2,695,888.0
57	3,249	185,193	10,556,001	1,227.9	69,990.3	3,989,447.1
$\Sigma=354$	14,018	624,456	29,654,102	5,495.0	237,570.0	11,161,845.0

$$\begin{bmatrix} 29,654,102 & 624,456 & 14,018 \\ 624,456 & 14,018 & 354 \\ 14,018 & 354 & 12 \end{bmatrix} \begin{bmatrix} a_2 \\ a_1 \\ a_0 \end{bmatrix} = \begin{bmatrix} 11,161,845 \\ 237,570 \\ 5,495 \end{bmatrix}$$

$$\begin{bmatrix} 2,115.43 & 44.55 & 1.0 \\ 1,764. & 39.60 & 1.0 \\ 1,168.17 & 29.50 & 1.0 \end{bmatrix} \begin{bmatrix} a_2 \\ a_1 \\ a_0 \end{bmatrix} = \begin{bmatrix} 796.25 \\ 671.10 \\ 457.92 \end{bmatrix}$$

$$\begin{bmatrix} 351.43 & 4.95 \\ 595.83 & 10.10 \end{bmatrix} \begin{bmatrix} a_2 \\ a_1 \end{bmatrix} = \begin{bmatrix} 125.15 \\ 213.18 \end{bmatrix}$$

$$\begin{bmatrix} 71.0 & 1.0 \\ 58.99 & 1.0 \end{bmatrix} \begin{bmatrix} a_2 \\ a_1 \end{bmatrix} = \begin{bmatrix} 25.28 \\ 21.11 \end{bmatrix}$$

$$12.01\, a_2 = 4.17$$

$$a_2 = 0.3472 \quad (\doteq 0.35)$$

$$a_1 = 25.28 - 71 \times 0.35 = 0.43$$

$$a_0 = 457.92 - 29.50 \times 0.43 - 1168.17 \times 0.35$$

$$= 36.38$$

$$\therefore \quad V_R = 0.35\,H^2 + 0.43\,H + 36.38 \qquad (6)$$

WAVE HEIGHT H	BASE SHEAR FROM CURVE FITTING V_{Bi}	BASE SHEAR FROM DATA POINT V_{Bo}	ERROR $V_{Bi}-V_{Bo}$
FT	KIPS	KIPS	KIPS
2	38.48	12.8	25.68
7	56.54	55.9	0.64
12	91.94	107.1	-15.16
17	144.84	162.3	-17.46
22	215.24	230.8	-15.56
27	303.14	312.4	-9.26
32	408.54	404.7	3.84
37	531.44	518.1	13.34
42	671.84	652.0	19.84
47	829.74	814.0	15.74
52	1,005.14	997.0	8.14
57	1,198.04	1,227.9	-29.86

B. BASE SHEAR (POSITIVE – CREST APPROACHING STRUCTURE)

Assuming that the approximating transfer function is

$$V_p = b_2 H^2 + b_1 H + b_0 \qquad (7)$$

According to Eq.(5) shown on Page 3.33, it gives

$$\begin{bmatrix} \sum_{i=1}^{m} H_i^4 & \sum_{i=1}^{m} H_i^3 & \sum_{i=1}^{m} H_i^2 \\ \sum_{i=1}^{m} H_i^3 & \sum_{i=1}^{m} H_i^2 & \sum_{i=1}^{m} H_i \\ \sum_{i=1}^{m} H_i^2 & \sum_{i=1}^{m} H_i & m \end{bmatrix} \begin{Bmatrix} b_2 \\ b_1 \\ b_0 \end{Bmatrix} = \begin{bmatrix} \sum_{i=1}^{m} H_i^2 V_{pi} \\ \sum_{i=1}^{m} H_i V_{pi} \\ \sum_{i=1}^{m} V_{pi} \end{bmatrix} \qquad (8)$$

$i = 1, 2, \cdots, m$

H	H^2	H^3	H^4	V	HV_p	H^2V_p
2	4			8.2	16.4	32.8
7	49			32.1	224.7	1,572.9
12	144			62.4	748.8	8,985.6
17	289			97.9	1,664.3	28,293.1
22	484			148.3	3,262.6	71,777.2
27	729			214.8	5,799.6	156,589.2
32	1,024			293.5	9,392.0	300,544.0
37	1,369			396.5	14,670.5	542,808.5
42	1,764			521.3	21,894.6	919,573.2
47	2,209			677.5	31,842.5	1,496,597.5
52	2,704			854.6	44,439.2	2,310,838.4
57	3,249			1,081.5	61,645.5	3,513,793.5
$\Sigma = 354$	14,018	624,456	29,654,102	4,588.6	195,600.7	9,351,405.9

$$\begin{bmatrix} 29,654,102 & 624,456 & 14,018 \\ 624,456 & 14,018 & 354 \\ 14,018 & 354 & 12 \end{bmatrix} \begin{bmatrix} b_2 \\ b_1 \\ b_0 \end{bmatrix} = \begin{bmatrix} 9,351,405.9 \\ 195,600.7 \\ 4,388.6 \end{bmatrix}$$

$$\begin{bmatrix} 2,115.43 & 44.55 & 1.0 \\ 1,764. & 39.60 & 1.0 \\ 1,168.17 & 29.50 & 1.0 \end{bmatrix} \begin{bmatrix} b_2 \\ b_1 \\ b_0 \end{bmatrix} = \begin{bmatrix} 667.1 \\ 552.54 \\ 365.72 \end{bmatrix}$$

$$\begin{bmatrix} 351.43 & 4.95 \\ 595.83 & 10.10 \end{bmatrix} \begin{bmatrix} b_2 \\ b_1 \end{bmatrix} = \begin{bmatrix} 114.56 \\ 186.82 \end{bmatrix}$$

$$\begin{bmatrix} 71.0 & 1.0 \\ 58.99 & 1.0 \end{bmatrix} \begin{bmatrix} b_2 \\ b_1 \end{bmatrix} = \begin{bmatrix} 23.14 \\ 18.50 \end{bmatrix}$$

$$12.01\, b_2 = 4.64$$

$$b_2 = 0.3863 \quad (=0.39)$$

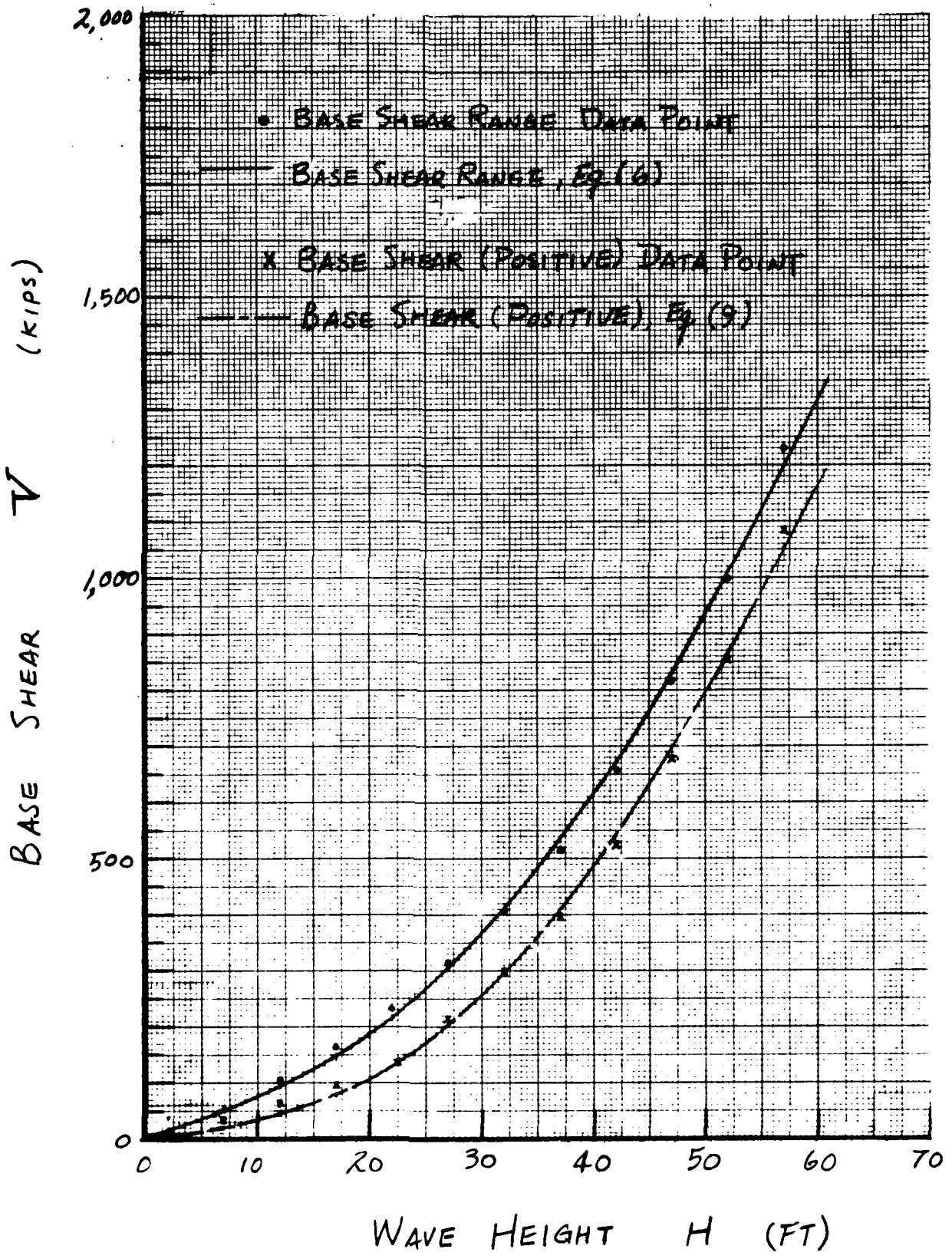
$$b_1 = 23.14 - 71 \times .39 = -4.55$$

$$b_0 = 365.72 - 1,168.17 \times 0.39 + 29.5 \times 4.55$$

$$= 44.36$$

$$\therefore V_p = 0.39H^2 - 4.55H + 44.36 \qquad (9)$$

WAVE HEIGHT H	BASE SHEAR FROM CURVE FITTING V_{pi}	BASE SHEAR FROM DATA POINT V_{po}	ERROR $V_{pi}-V_{po}$
FT	KIPS	KIPS	KIPS
2	36.82	8.2	28.62
7	31.62	32.1	-0.48
12	45.92	62.4	-16.48
17	79.72	97.9	-18.18
22	133.02	148.3	-15.28
27	205.82	214.8	-8.98
32	298.12	293.5	4.62
37	409.92	396.5	13.42
42	541.22	521.3	19.92
47	692.02	677.5	14.52
52	862.32	854.6	7.72
57	1,052.12	1,081.5	-29.38


• BASE SHEAR RANGE DATA POINT
BASE SHEAR RANGE, Eq. (6)
x BASE SHEAR (POSITIVE) DATA POINT
BASE SHEAR (POSITIVE), Eq. (9)
BASE SHEAR V (KIPS)
2,000
1,500
1,000
500
0
0
10
20
30
40
50
60
70
WAVE HEIGHT H (FT)

SECTION 4

FATIGUE LIMIT STRESS

4.1 INTRODUCTION

This section evaluates the fatigue limit stress ranges for punching shear stress and nominal brace stress. The method used to perform the calculation is in accordance with that in Reference 4.

In the course of data preparation for the computation of hurricane effects on the fatigue life, two assumptions are made as follows:

(1) The significant wave height distribution can be expressed in terms of the Weibull distribution; and

(2) The possible number of hurricane occurrence in 20 years period is 6.

The punching shear stress computation is shown in APPENDIX A.

Stress analyses of the idealized platform structure subjected to wave and ocean currents are compiled in APPENDIX B.

4.2 Punching Shear Stress Range vs. Cycles of Load

From Eq.(1) of Ref.4

$$N = K/S^m \qquad (1)$$

where N = Number of stress cycles to failure

K = Constant

S = Stress range

m = constant

From Eq.(1) $\ln N = \ln K - m \ln S$

at condition a: $\ln N_a = \ln K - m \ln S_a$

at condition b: $\ln N_b = \ln K - m \ln S_b$

$$\therefore \quad m = \frac{\ln (N_a/N_b)}{\ln (S_b/S_a)}$$

and $$K = N \cdot S^m$$

From AWS D 1.1-72 Fig. 10.7.4 (Ref. 1)

Line K-K for punching shear stresses

In the range of interest:

$S_a = 10500$ Psi $\quad S_b = 2500$ Psi

$N_a = 10^3$ cycles $\quad N_b = 10^6$ cycles

By C. Chern Client U.S. NAVY Subject Fatigue Analysis

Date 8-4-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

$$M = \frac{\ln\left(\frac{10^3}{10^6}\right)}{\ln\left(\frac{2500}{10500}\right)} = 4.81$$

and $K = 10^6 \times (2500)^{4.81} = 2.21 \times 10^{22}$

4.3 PUNCHING SHEAR STRESS RANGE VS. WAVE HEIGHT

From Eq.(2) of Ref. 4

$$S = C H^g \qquad (2)$$

where S = Stress range

C = Constant

H = Wave height

g = constant

From Eq.(2) $\ln S = \ln C + g \ln H$

at condition a: $\ln S_a = \ln C + g \ln H_a$

at condition b: $\ln S_b = \ln C + g \ln H_b$

$$\therefore \quad g = \frac{\ln(S_a/S_b)}{\ln(H_a/H_b)}$$

Joint #803 (BRACE #803-#906)

WAVE HEIGHT	JOINT PUNCHING SHEAR STRESS		
	CREST	TROUGH	RANGE
FT	KSI	KSI	KSI
7	0.167	0.121	0.288
17	0.538	0.356	0.894
27	1.144	0.557	1.701
42	2.687	0.731	3.418
61.3 *	7.454	0.150	7.604

* Design wave height, See Report No. 27-771-96

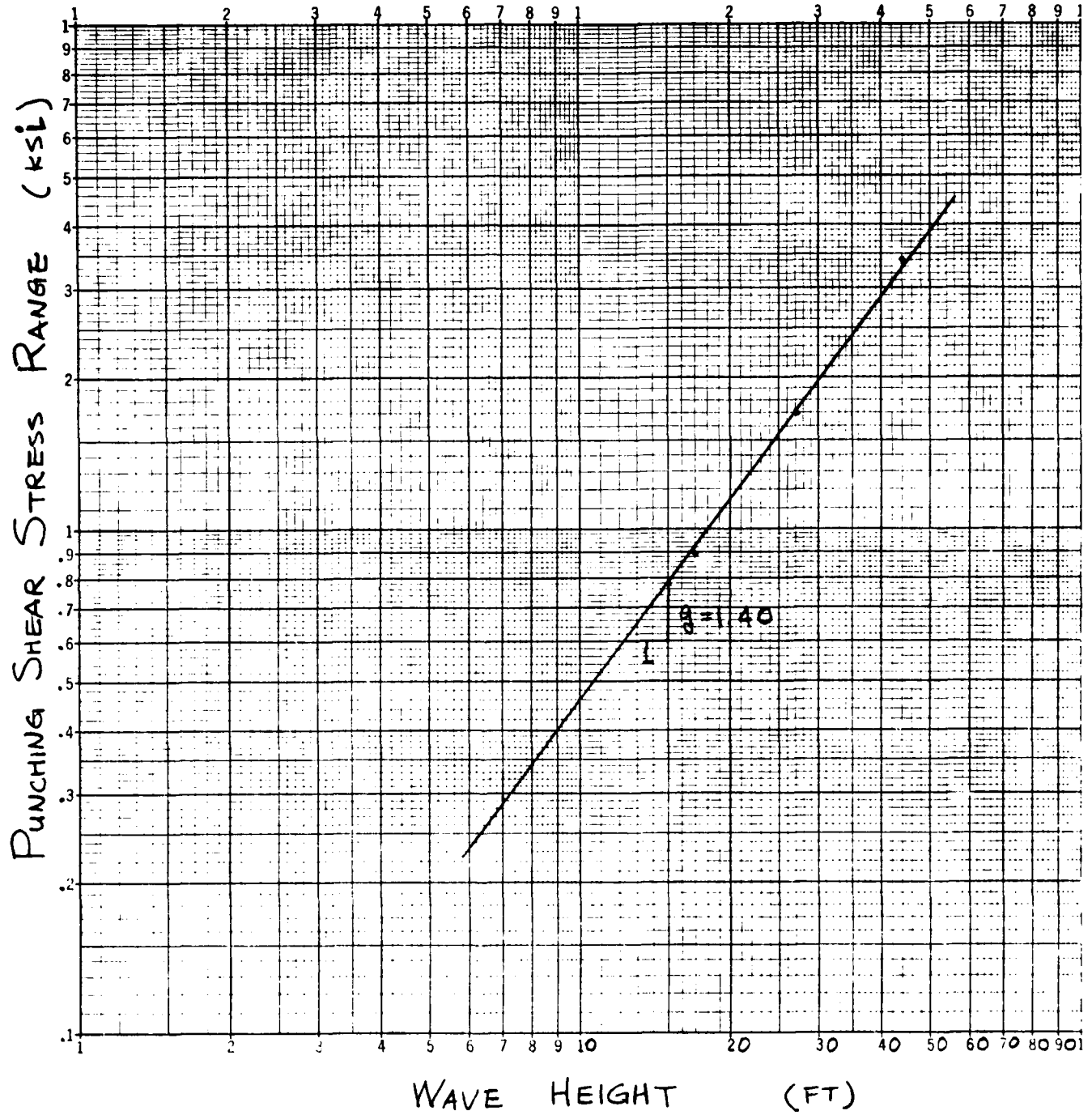
Design condition $\tau_{max} = 7.454$ ksi

$\tau_{min} = 0.150$ ksi

By C. Chern Client U.S. NAVY Subject Fatigue Analysis

Date 8-4-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

Condition a		Condition b		g
Wave Height (H_a)	Stress Range (S_a)	Wave Height (H_b)	Stress Range (S_b)	
FT	KSI	FT	KSI	
7	0.288	17	0.894	1.28
		27	1.701	1.31
		42	3.418	1.38
17	0.894	27	1.701	1.39
		42	3.418	1.48
27	1.701	42	3.418	1.58
			Average	1.40



JOINT No.803 (*803-*906)

PUNCHING SHEAR STRESS RANGE vs. WAVE HEIGHT

JOINT # 706 (BRACE # 706 - # 803)

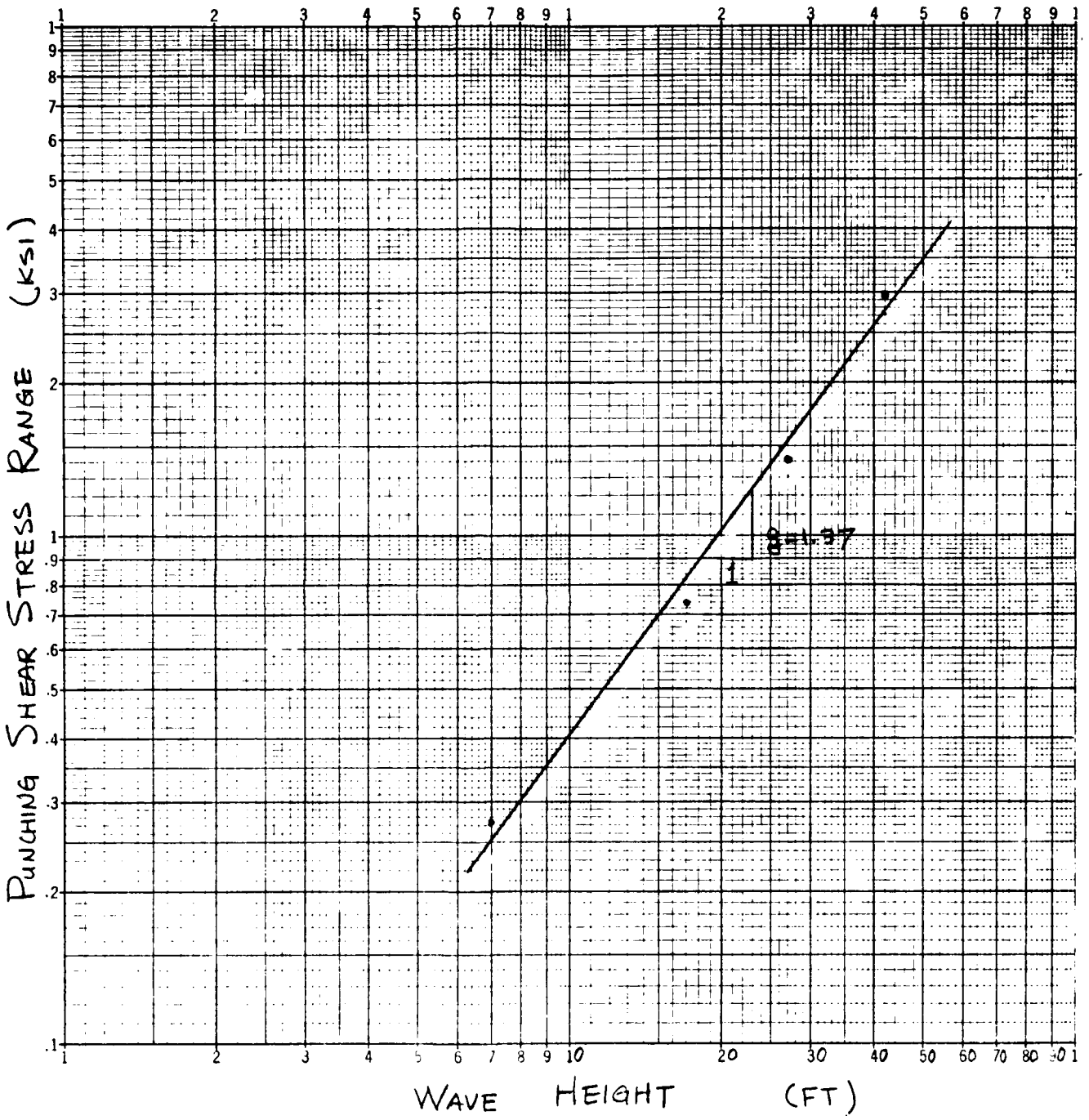
WAVE HEIGHT	JOINT PUNCHING SHEAR STRESS		
	CREST	TROUGH	RANGE
FT	KSI	KSI	KSI
7	.175	.101	.276
17	.538	.200	.738
27	1.142	.270	1.412
42	2.602	.348	2.950
61.3*	7.606	.350	7.956

* Design wave height, See Report No. 27-771-96

Design condition : $V_{max} = 7.606$ ksi

$V_{min} = 0.350$ ksi

Condition a		Condition b		g
Wave Height (H_a)	Stress Range (S_a)	Wave Height (H_b)	Stress Range (S_b)	
FT	KSI	FT	KSI	
7	.276	17	.738	1.11
		27	1.412	1.21
		42	2.950	1.32
17	.738	27	1.412	1.40
		42	2.950	1.53
27	1.412	42	2.950	1.66
			Average	1.37



JOINT NO. 70.6 (#706-#803)

PUNCHING SHEAR STRESS RANGE VS. WAVE HEIGHT

4.4 LIMIT PUNCHING SHEAR STRESS FOR FATIGUE

From Eqs (10) and (12) in Ref. 4:

$$S_r = (cK/Y)^{1/m} \qquad (12)$$

where S_r = Stress range for design wave

c = constant defind by Eq. (10)

$$c = \frac{\{\ln(rM_1)\}^{gm/s}}{M_1 \Gamma(1+gm/s)} \qquad (10)$$

r = return period for design wave

K = Constant in fatigue curve K-K

M_1 = number of waves in one year

g = Weibull parameter

Y = fatigue life in years

m = Constant.

By C. Chen Client U.S. NAVY Subject Fatigue Analysis
Date 8-4-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

$m = 4.81$ $\quad q = 1.40$

$K = 2.21 \times 10^{22}$ $\quad \xi = 1$ P(H) is an exponential distribution

$M_1 = 98,840,000/20$
$= 4,942,000$

$Y = 20$ yrs $\quad T = 50$ yrs

$$qm/\xi = 1.40 \times 4.81/1.0 = 6.73$$

$$\Gamma(1 + qm/\xi) = \Gamma(1+6.73)$$
$$= 6.73 \times 5.73 \times 4.73 \times 3.73 \times 2.73 \times 1.73 \times \Gamma(1.73)$$

$\Gamma(1.73) = 0.91466$

$\Gamma(7.73) = 2939$

$$c = \frac{\{\ln(50 \times 4,942,000)\}^{6.73}}{4,942,000 \times 2939} = 0.0311$$

$$ck = 0.0311 \times 2.21 \times 10^{22} = 6.873 \times 10^{20}$$

$$S_f = \left(\frac{6.873 \times 10^{20}}{20}\right)^{1/4.81} = \left(\frac{6.873 \times 10^{10}}{2.0} \times 10^{10}\right)^{1/4.81}$$

$= 96.06 \times 119.95$

$= 11,523$ psi

4.5 NOMINAL BRACE STRESS RANGE VS. CYCLES OF LOAD

From Eq.(1) of Ref.4

$$N = K/S^m \qquad (1)$$

it gives

$$m = \frac{\ln(N_a/N_b)}{\ln(S_b/S_a)}$$

$$K = N S^m$$

From Line D'-D', Fig. 10.7.4 AWS D1.1-72

In the range of interest:

$S_a = 22{,}000$ psi $\qquad S_b = 6900$ psi
$N_a = 4.0\times10^3$ cycles $\qquad N_b = 1.0\times10^6$ cycles

$$m = \frac{\ln(4.0\times10^3/1.0\times10^6)}{\ln(6900/22{,}000)} = 4.80$$

$$K = 10^6 \times (6900)^{4.80} = 2.67\times10^{24}$$

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 8-4-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

4.6 NOMINAL BRACE STRESS RANGE VS. WAVE HEIGHT

From Eq. (2) of Ref. 4

$$S = CH^g \qquad (2)$$

it gives

$$g = \frac{\ln(S_a/S_b)}{\ln(H_a/H_b)}$$

JOINT #803 (BRACE #803-#906)

WAVE HEIGHT	NOMINAL BRACE STRESS				
	CREST		TROUGH		RANGE
	AXIAL	BENDING	AXIAL	BENDING	
FT	KSI	KSI	KSI	KSI	KSI
7	-.240	∓.056	+.176	±.039	0.511
17	-.665	∓.285	+.395	±.233	1.578
27	-1.436	∓.582	+.552	±.428	2.998
42	-3.374	∓1.369	+.687	±.599	6.029
61.3*	-8.463	∓4.677	-.127	±.132	13.399

* Design wave height, See Report No. 27-771-96

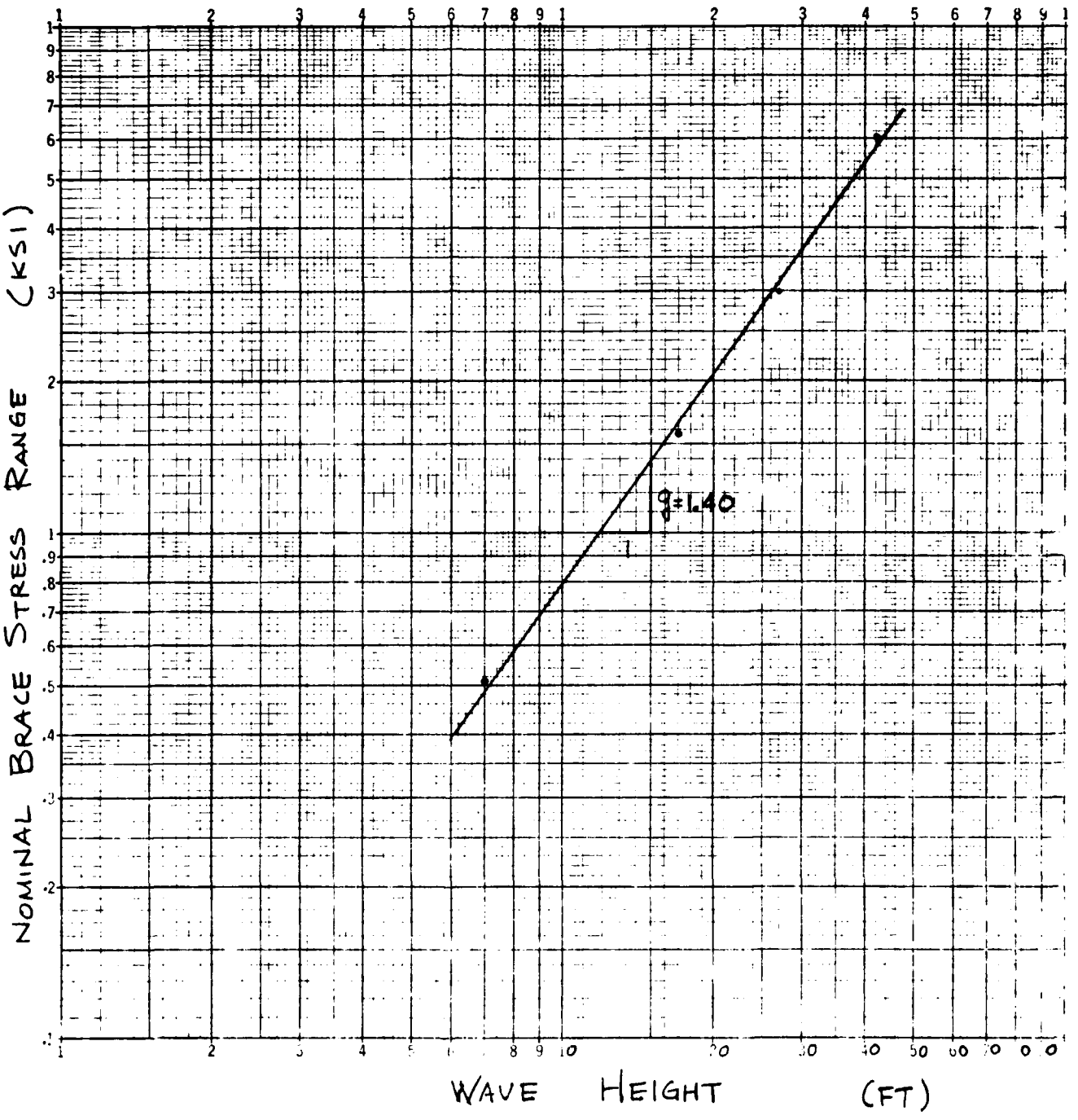
Design condition: $f_{max} = -13.140$

$f_{min} = +0.005$

By C. Chern Client U.S. NAVY Subject Fatigue Analysis

Date 8-4-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

CONDITION a		CONDITION b		g
WAVE HEIGHT (H_a)	STRESS RANGE (S_a)	WAVE HEIGHT (H_b)	STRESS RANGE (S_b)	
FT	KSI	FT	KSI	
7	0.511	17	1.578	1.27
		27	2.998	1.31
		42	6.029	1.38
17	1.578	27	2.998	1.38
		42	6.029	1.48
27	2.998	42	6.029	1.58
			AVERAGE	1.40



JOINT #803 (#803-#906)

NOMINAL BRACE STRESS RANGE VS. WAVE HEIGHT

JOINT #706 (BRACE #706-#803)

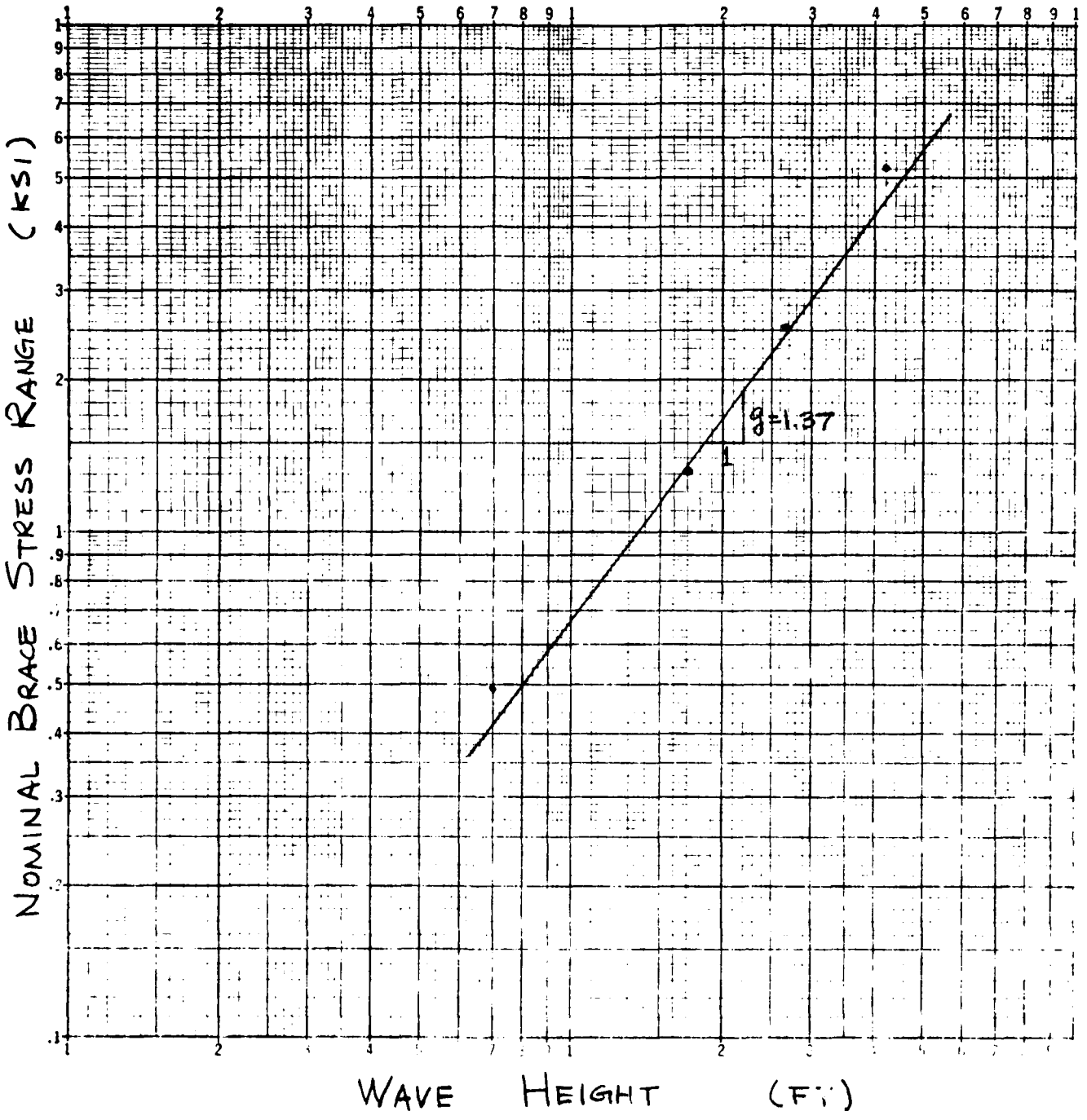
WAVE HEIGHT	NOMINAL BRACE STRESS				
	CREST		TROUGH		RANGE
	AXIAL	BENDING	AXIAL	BENDING	
FT	KSI	KSI	KSI	KSI	KSI
7	+.189	±.123	−.137	∓.044	0.493
17	+.545	±.414	−.281	∓.077	1.317
27	+1.302	±.739	−.377	∓.108	2.526
42	+3.144	±1.510	−.447	∓.176	5.277
61.3*	+8.440	±5.146	+.184	∓.416	14.186

*Design wave height, See Report No. 27-771-96

Design condition: $f_{max} = +13.586$

$f_{min} = -0.232$

CONDITION a		CONDITION b		q
WAVE HEIGHT (Ha)	STRESS RANGE (Sa)	WAVE HEIGHT (Hb)	STRESS RANGE (Sb)	
FT	KSI	FT	KSI	
7	0.493	17	1.317	1.10
		27	2.526	1.21
		42	5.277	1.32
17	1.317	27	2.526	1.41
		42	5.277	1.53
27	2.526	42	5.277	1.67
			AVERAGE	1.37



JOINT #706 (#706 - #803)

NOMINAL BRACE STRESS RANGE VS. WAVE HEIGHT

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 8-5-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

4.7 LIMIT NOMINAL BRACE STRESS FOR FATIGUE

$$S_r = \left(ck/Y\right)^{1/m}$$

$$c = \frac{\{\ln(rM_1)\}^{gm/\xi}}{M_1\,\Gamma(1+gm/\xi)}$$

$r = 50$ yrs return period for design wave

$Y = 20$ yrs fatigue life

$\xi = 1.0$ for exponential distribution of $p(H)$ curve

$M_1 = 4{,}940{,}000$ number of waves in one year

$g = 1.40$

$m = 4.80$

$k = 2.67 \times 10^{24}$

$gm/\xi = 1.40 \times 4.80/1.0 = 6.72$

$\Gamma(1+6.72) = 6.72 \times 5.72 \times 4.72 \times 3.72 \times 2.72 \times 1.72 \times 0.9125$

$= 2{,}881$

$$c = \frac{\{\ln(50 \times 4{,}940{,}000)\}^{6.72}}{4{,}940{,}000 \times 2{,}881} = 0.0309$$

$$c/K = 0.0309 \times 2.67 \times 10^{24} = 8.250 \times 10^{22}$$

$$S_f = \left(\frac{8.250 \times 10^{22}}{20}\right)^{1/4.80}$$

$$= \left(\frac{8.250 \times 10^{12}}{20} \cdot 10^{10}\right)^{1/4.80}$$

$$= 262.95 \times 121.15$$

$$= 31,857 \quad psi \quad > 22,000 \text{ psi per API}$$

4.8 HURRICANE EFFECTS ON FATIGUE LIMIT STRESS

Fatigue Damage = Damage due to Normal Waves (Part I)
+ Damage due to Hurricanes (Part II)

(I) Damage due to Normal Waves

According to Ref. 4, long term damage in terms of significant wave height is given by Eq. 16 which follows

$$DN_r = M\,\Gamma(1+gm/2)\,\Gamma(1+gm/\alpha)\left\{\frac{h}{\sqrt{2}\,H_r}\right\}^{gm} \qquad (16)$$

if the significant wave height distribution can be expressed in terms of the Weibull distribution:

$$P(H_s) = 1 - e^{-\left(\frac{H_s}{h}\right)^{\alpha}} \qquad (6)$$

where D = fatigue damage

N_r = the number of cycles to failure for the stress range resulting from design wave height

M = the total number of waves

H_s = significant wave height

H_r = design wave height

h, α = constants in Eq. (6)

Constants α and h

From Eq. (6)

$$P(H_s) = 1 - e^{-\left(\frac{H_s}{h}\right)^{\alpha}} \qquad (6)$$

$$e^{-\left(\frac{H_s}{h}\right)^{\alpha}} = 1 - P(H_s)$$

$$\ln\left[e^{-\left(H_s/h\right)^{\alpha}}\right] = \ln\left[1 - P(H_s)\right]$$

$$\left(\frac{H_s}{h}\right)^{\alpha} = -\ln\left[1 - P(H_s)\right]$$

$$\alpha\left[\ln H_s - \ln h\right] = \ln\left\{-\ln\left[1 - P(H_s)\right]\right\}$$

Condition a: $\alpha\left[\ln H_{sa} - \ln h\right] = \ln\left\{-\ln\left[1 - P(H_{sa})\right]\right\}$

Condition b: $\alpha\left[\ln H_{sb} - \ln h\right] = \ln\left\{-\ln\left[1 - P(H_{sb})\right]\right\}$

$$\alpha \ln\left(\frac{H_{sa}}{H_{sb}}\right) = \ln \frac{\ln\left[1 - P(H_{sa})\right]}{\ln\left[1 - P(H_{sb})\right]}$$

$$\alpha = \frac{\ln\left\{\ln\left[1 - P(H_{sa})\right] / \ln\left[1 - P(H_{sb})\right]\right\}}{\ln\left(H_{sa}/H_{sb}\right)} \quad \cdots (a)$$

and $$h = H_s \Big/ \left\{-\ln\left[1 - P(H_s)\right]\right\}^{1/\alpha} \quad \cdots\cdots (b)$$

AD-A165 651 FATIGUE ANALYSIS EAST COAST AIR COMBAT MANEUVERING RANGE OFFSHORE KITTY H... (U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-100 CHES/NAVFAC-FPO-7616 2/6

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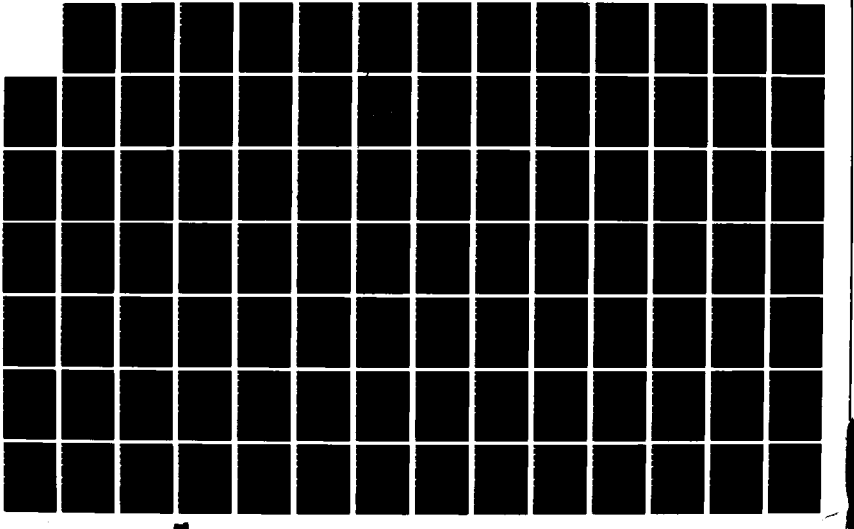
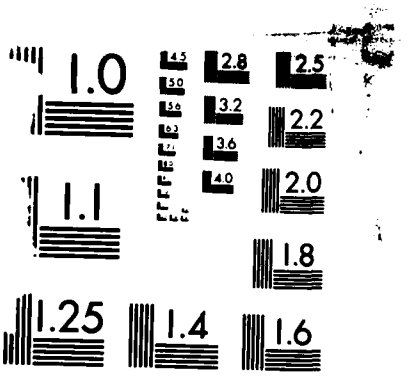




MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 8-16-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

Refer to A.H. Glenn and Associates' Report :

Page 2, $H_s = H_{max}/1.86$

& Table 39

WAVE HEIGHT CATAGORY	AVERAGE WAVE HEIGHT	SIGNIFICANT WAVE HEIGHT H_s	NUMBER OF WAVES IN 20 Yrs	PROBABILITY DENSITY DISTRIBUTION $p(H_s)$	CUMULATIVE PROBABILITY DENS. DISTRI. $P(H_s)$
FT	FT	FT			
0 ~ 4	2	2.15	76,040,000	0.76932416	0.76932416
5 ~ 9	7	4.84	18,380,000	0.18595710	0.95528126
10 ~ 14	12	7.53	3,563,000	0.03604816	0.99132942
15 ~ 19	17	10.22	689,000	0.00697086	0.99830028
20 ~ 24	22	12.90	135,400	0.00136989	0.99967017
25 ~ 29	27	15.59	26,250	0.00026558	0.99993575
30 ~ 34	32	17.20	5,100	0.00005160	0.99998735
35 ~ 39	37	20.97	999	0.00001011	0.99999746
40 ~ 44	42	23.66	200	0.00000202	0.99999948
45 ~ 49	47	26.34	41	0.00000042	0.99999990
50 ~ 54	52	29.03	8	0.00000008	0.99999998
55 ~ 59	57	31.72	2	0.00000002	1.00000000
			M = 98,840,000	1.00000000	

CONDITION a		CONDITION b		α	h
SIGNIFICANT WAVE HT. (H_{sa})	CUMULATIVE PROB. $P(H_{sa})$	SIGNIFICANT WAVE HT. (H_{sb})	CUMULATIVE PROB. $P(H_{sb})$		
FT		FT			FT
4.84	0.95528126	10.22	0.99830028	0.962	1.489
		15.59	0.99993575	0.969	1.502
		23.66	0.99999948	0.969	1.502
10.22	0.99830028	15.59	0.99993575	0.982	1.549
		23.66	0.99999948	0.976	1.531
15.59	0.99993575	23.66	0.99999948	0.970	1.506
			AVERAGE	0.971	1.513

Notes: α = Eq. (a)

h = Eq. (b)

The available data for Eq.(16) are as follows:

$M = 98,840,000$ (Page 4.25)

$g = 1.40$ (Pages 4.06 & 4.16)

$m = 4.80$ (Pages 4.03 & 4.13)

$\alpha = 0.971$

$h = 1.513$ FT

$H_r = 61.3$ FT

$gm = 1.40 \times 4.80 = 6.72$

$gm/\alpha = 6.92$

$$\Gamma(1+gm/2) = \Gamma(1+3.36) = 3.36 \times 2.36 \times 1.36 \times \Gamma(1.36)$$
$$= 9.60$$

$\Gamma(1.36) = .890$

$$\Gamma(1+gm/\alpha) = \Gamma(1+6.92)$$
$$= 6.92 \times 5.92 \times 4.92 \times 3.92 \times 2.92 \times 1.92 \times \Gamma(1.92)$$
$$= 4,288$$

$\Gamma(1.92) = .968$

$$DN_r = 98,840,000 \times 9.60 \times 4288 \times \left\{\frac{1.513}{\sqrt{2} \times 61.3}\right\}^{6.72}$$

$$= 6.23 \quad \ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots \quad (17)$$

for the fatigue damage resulting in 20 years from nonhurricane waves.

Assuming that the expected number of hurricanes in 20 years is 6* ($\eta = 6$) and that the value of 20 percent probability of exceeding the design stress range is selected, then Fig. 4 of Reference 4 gives

$$\frac{DN_r}{\eta} = 4$$

$$DN_r = 4\eta = 24 \quad \ldots\ldots\ldots\ldots\ldots (21)$$

(III) TOTAL FATIGUE DAMAGE

$$DN_r = 6.23 + 24 \doteq 30 \quad \ldots\ldots\ldots (22)$$

for the fatigue damage with a 20 percent chance of being exceeded in 20 years for the design structure.

---

* $\eta = 6$ is the largest number of hurricanes available from Fig. 4 of Ref. 4

According to Eq. 24 of Reference 4, the damage is

$$D = 30\, S_r^m / K \qquad (24)$$

(i) <u>For Punching Shear Stress</u>

$S_r = 7,956$ psi (see Page 4.08)

$K = 2.21 \times 10^{22}$

$m = 4.8$

$$D = 30 \times (7,956)^{4.8} / (2.21 \times 10^{22})$$

$$= 0.0072$$

(ii) <u>For Nominal Brace Stress</u>

$S_r = 13,586$ psi (See Page 4.18)

$K = 2.67 \times 10^{24}$

$m = 4.8$

$$D = 30 \times (13,586)^{4.8} / (2.67 \times 10^{24})$$

$$= 0.00078$$

According to Eq.(25) of Reference 4, the fatigue limit stress is defined if D is specified by the designer.

$$S_r = (DK/30)^{1/m} \qquad (25)$$

If D=.5 is selected in 20 years with a 20 percent chance of being exceeded, the limit stress for

(i) Punching Shear Stress

$$K = 2.21 \times 10^{22} \;;$$

$$m = 4.8$$

$$S_r = (.5 \times 2.21 \times 10^{22}/30)^{1/4.8}$$

$$= 19,259 \text{ psi}$$

(ii) Nominal Brace Stress

$$K = 2.67 \times 10^{24} \;;$$

$$m = 4.8$$

$$S_r = (.5 \times 2.67 \times 10^{24}/30)^{1/4.8}$$

$$= 52,289 \text{ psi} \quad > 36,000 \text{ psi (yield stress)}$$

By J. Talbot Client U.S. Navy Subject Fatigue Analysis
Date 10-6-76 Job No. 27-77L-100 Calculation Fatigue Limit Stress

4.9 Fatigue Strength of a T-Joint

(A) Fatigue Limit Stress Under Persistant Severe Storm

Ref. p.4.12

$m = 4.81$ $\quad M_1 = 4,942,000$
$f = 1.0$ $\quad y = 20$ yrs
$g = 1.40$ $\quad r = 50$ yrs

$$\frac{gm}{f} = 6.73$$

Curve T-T of AWS D 1.1-72 (p. 6.02)

$S_a = 5,250$ psi $\quad S_b = 1,250$ psi
$N_a = 10^3$ cycles $\quad N_b = 10^6$ cycles

$$m = \frac{\ln(10^3/10^6)}{\ln(1250/5250)} = 4.81$$

$$K = 10^6 \times (1250)^{4.81} = 7.873 \times 10^{20}$$

$$\Gamma(1+gm/f) = \Gamma(1+6.73)$$

$$= 6.73 \times 5.73 \times 4.73 \times 3.73 \times 2.73 \times 1.73 \times \Gamma(1.73)$$

$$= 2939$$

$$C = \frac{\{\ln(50 \times 4,942,000)\}^{6.73}}{4,942,000 \times 2939} = 0.0311$$

$$CK = 0.0311 \times 7.873 \times 10^{20} = 0.2449 \times 10^{20}$$

$$S_r = \left(\frac{0.2449 \times 10^{20}}{20}\right)^{1/4.81}$$

$S_r = 5761$ psi

(B) Hurricane Effects on Fatigue Limit Stress

$$S_r = (Dk/31.2)^{1/m}$$

$D = 0.5$
$k = 7.873 \times 10^{20}$
$m = 4.81$

$$S_r = \left(\frac{0.5 \times 7.873 \times 10^{20}}{30}\right)^{1/4.81}$$

$S_r = 9433$ psi

(C) Fatigue Life

$Y = c N_r$

$S_r = 5.38$ ksi (Design Punching Shear Stress, 105' MLW, Ld. Cn #11 + #15)

From Fig. 10.7.4 AWS D1.1-72, Line T-T (p. 6.02)

$N_r = 9.0 \times 10^2$

$Y = 0.0311 \times (9.0 \times 10^2) = 28.0$ years

By J. Talbot Client U.S. Navy Subject Fatigue Analysis
Date 10-6-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

(D) Maximum T-Joint Punching Shear Stress Range - 20 year Fatigue Life

$$Y = C N_r$$

$Y = 20$ yrs
$C = 0.0311$

$$N_r = \frac{20}{0.0311} = 6.43 \times 10^2 \text{ cycles}$$

AWS D1.1-72 Fig. 10.7.4, Line T-T, (p. 6.02)

$S_r = 6.1$ ksi

Note: $S_r = 6.0$ ksi is in good agreement with the result of closed-form analysis ($S_r = 5.76$ ksi)

By J. Talbot Client U.S. Navy Subject Fatigue Analysis

Date 10-6-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

(E) Check T-Joints for Fatigue Life

Jacket for 105' MLW Structure

T-Joint	Maximum Punching Shear (ksi)	Maximum Punching Shear Range (ksi)	Stress for Fatigue Life of 20yrs	Stress for Fatigue Life of 28 yrs
1001	5.169	5.287	6.10	5.38
1003	5.614	5.381	6.10	5.38
1006	4.545	4.691	6.10	5.38

Maximum Punching Shear from Appendix A.2
Load Conditions 10 - 13

Minimum Punching Shear from Appendix A.2
Load Conditions 14 - 17

$$\left(\frac{\text{Punching Shear}}{\text{Punching Shear Range}}\right)_{max} = \frac{5.614}{5.38} = 1.04$$

Use 1.04 for 93' MLW Structure
and 81' MLW Structure

By J. Talbot Client U.S. Navy Subject Fatigue Analysis

Date 10-6-76 Job No. 27-771-100 Calculation Fatigue Limit Stress

Jacket for 93' MLW Structure

T-Joint	Maximum Punching Shear (ksi)	Maximum Punching Shear Range (ksi)	Stress for Fatigue Life of 20yrs	Stress for Fatigue Life of 28 yrs
1001	5.245	5.45	6.10	5.38
1003	5.902	6.13	6.10	5.38
1006	4.247	4.41	6.10	5.38

Maximum Punching Shear from Appendix A.3

$$M.S. = \frac{6.13}{6.10} - 1.00 = +.005 \qquad \therefore OK$$

Jacket for 81' MLW Structure

T-Joint	Maximum Punching Shear (ksi)	Maximum Punching Shear Range (ksi)	Stress for Fatigue Life of 20yrs	Stress for Fatigue Life of 28 yrs
1001	4.358	4.53	6.10	5.38
1003	3.306	3.44	6.10	5.38
1006	3.613	3.76	6.10	5.38

Maximum Punching Shear from Appendix A.4

SECTION 5

FATIGUE LIFE OF STRUCTURE

5.1 INTRODUCTION

Fatigue life of structure is evaluated in accordance with the method presented in Reference 4.

5.2 FATIGUE LIFE - PUNCHING SHEAR CONTROL

From Eq.(9) in Ref. 4

$$Y = c N_r \qquad (9)$$

where Y = fatigue life in years

c = constant defined by Eq.(10)

$$c = \frac{\{\ln(rM_1)\}^{gm/s}}{M_1 \Gamma(1 + gm/s)} \qquad (10)$$

Design punching shear stress range for joint #706

$$S_r = 7.956 \text{ ksi} \qquad (p. 4.08)$$

From Fig. 10.7.4 AWS D1.1-72, Line k-K (p. 6.02)

$$N_r = 4.5 \times 10^3$$

Since $c = 0.0311$

$$Y = 0.0311 \times (4.5 \times 10^3)$$

$$= 140.0 \text{ (Years)}$$

5.3 FATIGUE LIFE - NOMINAL BRACE STRESS CONTROL

$$Y = cN_r$$

Design nominal brace stress range for joint #706

$$S_r = 13.586 \text{ ksi}$$

From Fig. 10.7.4 AWS D1.1-72, Line D'-D'

$$N_r = 2.4 \times 10^4$$

$$Y = 0.0309 \times (2.4 \times 10^4)$$

$$= 741.6 \text{ (years)}$$

SECTION 6

MODIFIED GOODMAN DIAGRAM FOR DESIGN

6.1 INTRODUCTION

Set forth herein is the graphical representation of fatigue strengths.

The documents employed for determination of strength limitation are as follows:

(a) Manual of Steel Construction, 7th Edition, American Institute of Steel Construction, New York, N.Y. 1969

(b) Specification API RP2A, Recommended Practice for Planning, Designing and Constructing Fixed Offshore Platforms, 7th Edition, Americam Petroleum Institute, Dallas, Texas, 1976.

6.2 AWS ALLOWABLE FATIGUE STRESS RANGES

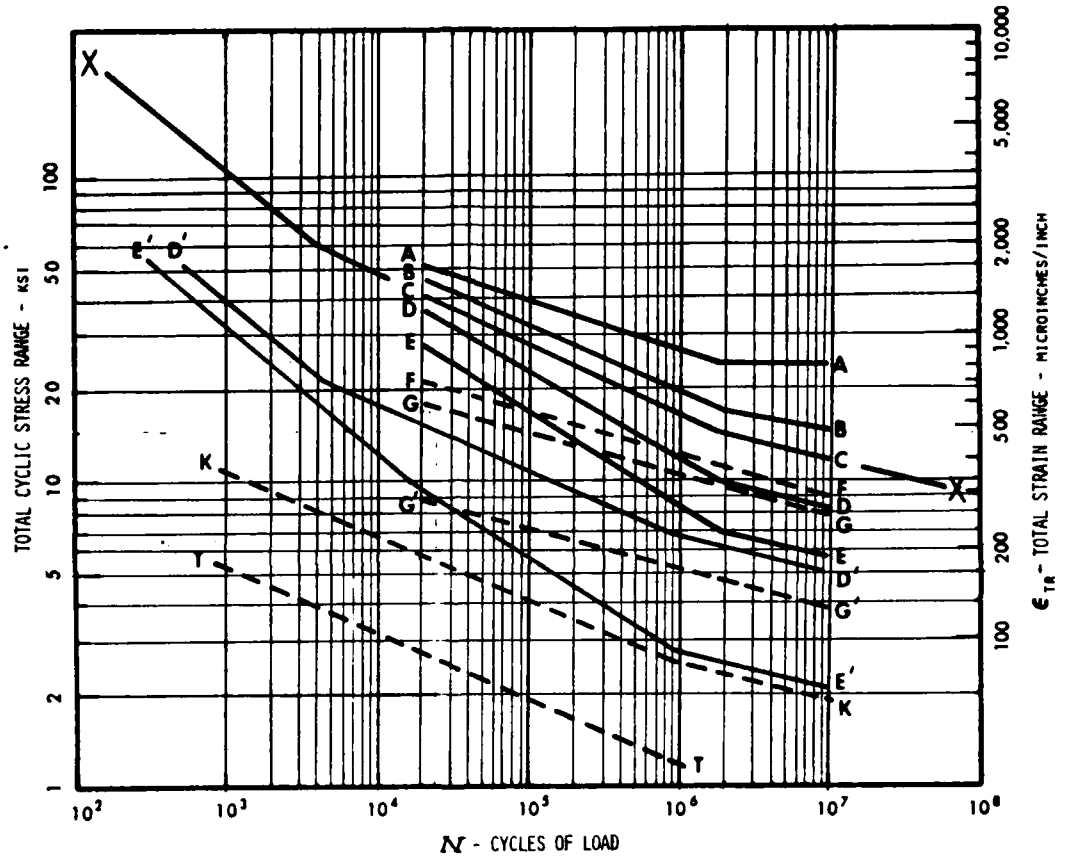


Fig. 10.7.4—Allowable fatigue stress and strain ranges for stress categories. See Table 10.7.3

AWS D 1.1-72

Stress Categories For Type and Location of Material

AWS D1.1-72

Stress Category	Situation	Kinds of Stress*
A	Plain unwelded pipe.	TCBR
A	Butt splices, no change in section, complete joint penetration groove welds, ground flush, and inspected by RT or UT.	TCBR
B	Pipe with longitudinal seam.	TCBR
B	Butt splices, complete joint penetration groove welds, ground flush.	TCBR
B	Members with continuously welded longitudinal stiffeners.	TCBR
C	Butt splices, complete joint penetration groove welds, as welded.	TCBR
D	Members with transverse (ring) stiffeners, or miscellaneous attachments such as clips, brackets, etc.	TCBR
D	Tee and cruciform joints with complete joint penetration welds (except at tubular connections).	TCBR
**D′	Simple T, Y, or K connections with complete joint penetration tubular groove welds conforming to Fig. 10.13.1.1.	TCBR in branch member (NOTE — main member must be checked separately per category K or T.
E	Balanced tee and cruciform joints with partial joint penetration groove welds or fillet welds (except at tubular connections).	TCBR in member
E	Members where doubler wrap, cover plates, longitudinal stiffeners, gusset plates, etc., terminate (except at tubular connections).	TCBR in member
**E′	Simple T, Y, and K-type tubular connections with partial joint penetration groove welds or fillet welds; also complex tubular connections in which load transfer is accomplished by overlap (negative eccentricity), gusset plates, ring stiffeners, etc.	TCBR in branch member (NOTE — main member in simple T, Y, or K connections must be checked separately per category K or T; weld must also be checked per Category G and 10.6.3.
F	End weld of cover plate or doubler wrap; welds on gusset plates, stiffeners, etc.	Shear in weld.
G	Tee and cruciform joints, simple T, Y or K connections, loaded in tension or bending, having fillet or partial joint penetration groove welds.	Shear in weld, (regardless of direction of loading)
X	Main member at simple T, Y, and K connection.	Hot-spot, stress or strain on the outside surface of the main member, at the toe of weld joining branch member — measured in model or prototype connection, or calculated with best available theory.
X	Unreinforced cone-cylinder intersection.	Hot-spot stress at angle change.
X	Connections whose adequacy is determined by testing an accurately scaled steel model.	Worst measured hot-spot strain, after shakedown.
***K	Simple K-type tubular connections in which gamma ratio R/T of main member does not exceed 24.	Punching shear on shear area of main member as defined in 10.8.3.
***T	Simple T and Y tubular connections in which gamma ratio R/T of main member does not exceed 24.	Punching shear on shear area of main member as defined in 10.8.3.

* T = tension, C = compression, B = bending, R = reversal.

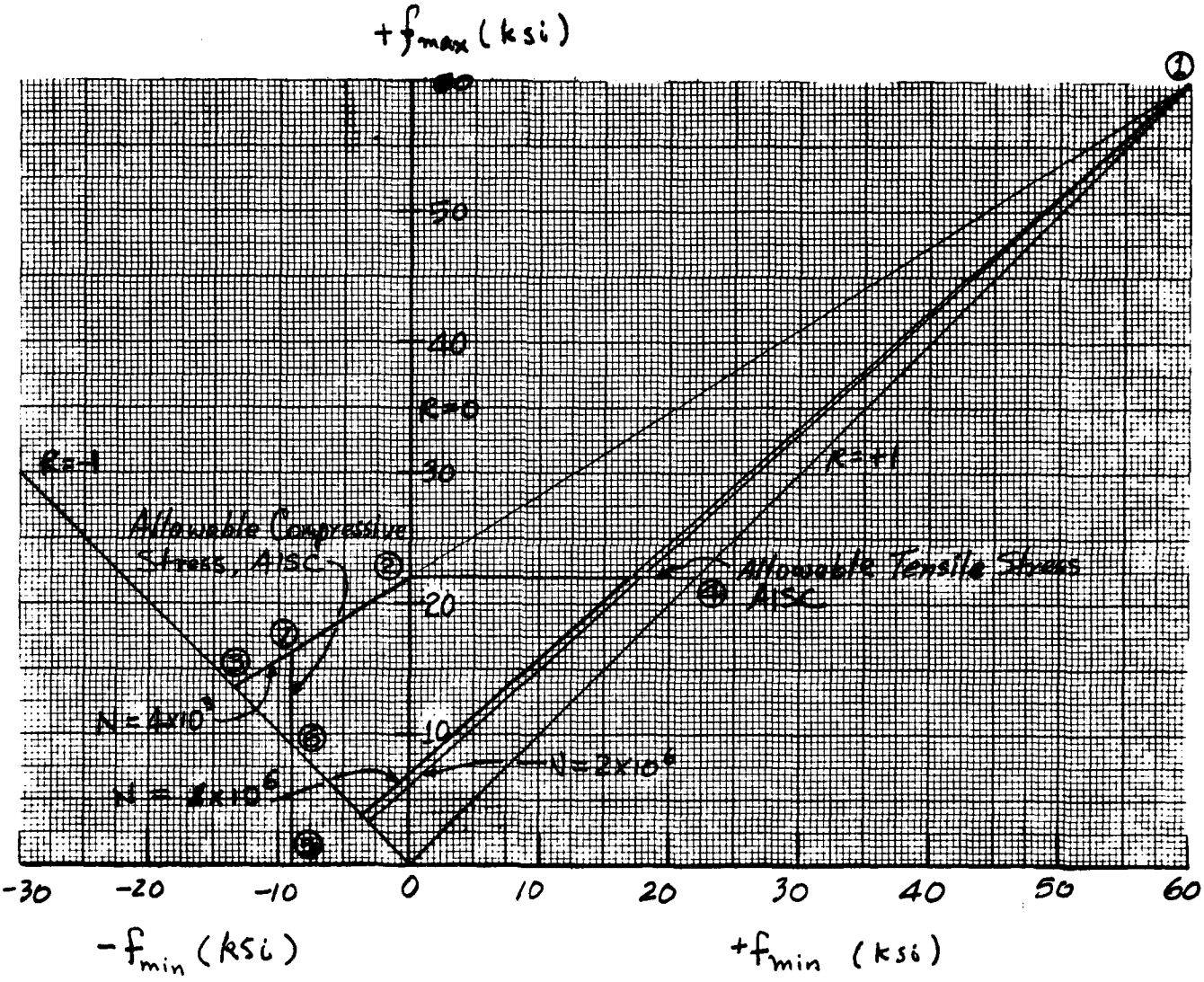
** Empirical curves (Fig. 10.7.4) based on "typical" connection geometries; if actual stress concentration factors or hot-spot strains are known use of curve X is to be preferred.

*** Empirical curves (Fig. 10.7.4) based on tests with gamma (R/T) of 18 to 24; may err on safe side for very heavy members (low R/T); for R/T greater than 24 reduce allowable stress in proportion to

$$\frac{\text{Allowable fatigue stress}}{\text{Stress from curve T or K}} = \left(\frac{24}{R/T}\right)^{0.7}$$

Where actual stress concentration factors or hot-spot strains are known, use curve X is to be preferred.

6.3 MODIFIED GOODMAN DIAGRAM FOR SIMPLE T, Y AND K JOINTS – NOMINAL BRACE STRESS



A36 Steel

(NOMINAL STRESSES IN BRANCH MEMBERS)

(AWSD1.1-72 Fig. 10.7.4 Line D'-D')

By C. Chern Client U.S. NAVY Subject Fatigue Analysis
Date 6-16-76 Job No. 27-77L-100 Calculation Modified Goodman Diagram

CONSTRUCTION PROCEDURES

1. For A36 steel, tensile strength is in the range of 58 ~ 80 ksi (See AISC 5-212, 7th Edition).

   Say $f_u = 60$ ksi, locate point ① on line $R=+1$

2. Refer to AWS diagram, the first kink point on Line D'-D' occurs at $S = 22$ ksi, $N = 4 \times 10^3$.

   Locate point ② ($f_{max} = 22$ ksi) on line $R=0$.

3. Connect points ① and ② and extend to intersect line $R=-1$, define point ③.

4. For A36 Steel, allowable tensile stress $F_t = 22$ ksi per AISC. In this particular diagram, F_t coincides with f_{max} at point ②. Draw a horizontal line (through point ②) to intersect with Line $R=+1$ at point ④.

5. Line ②-④ defines the allowable design in tension per AISC

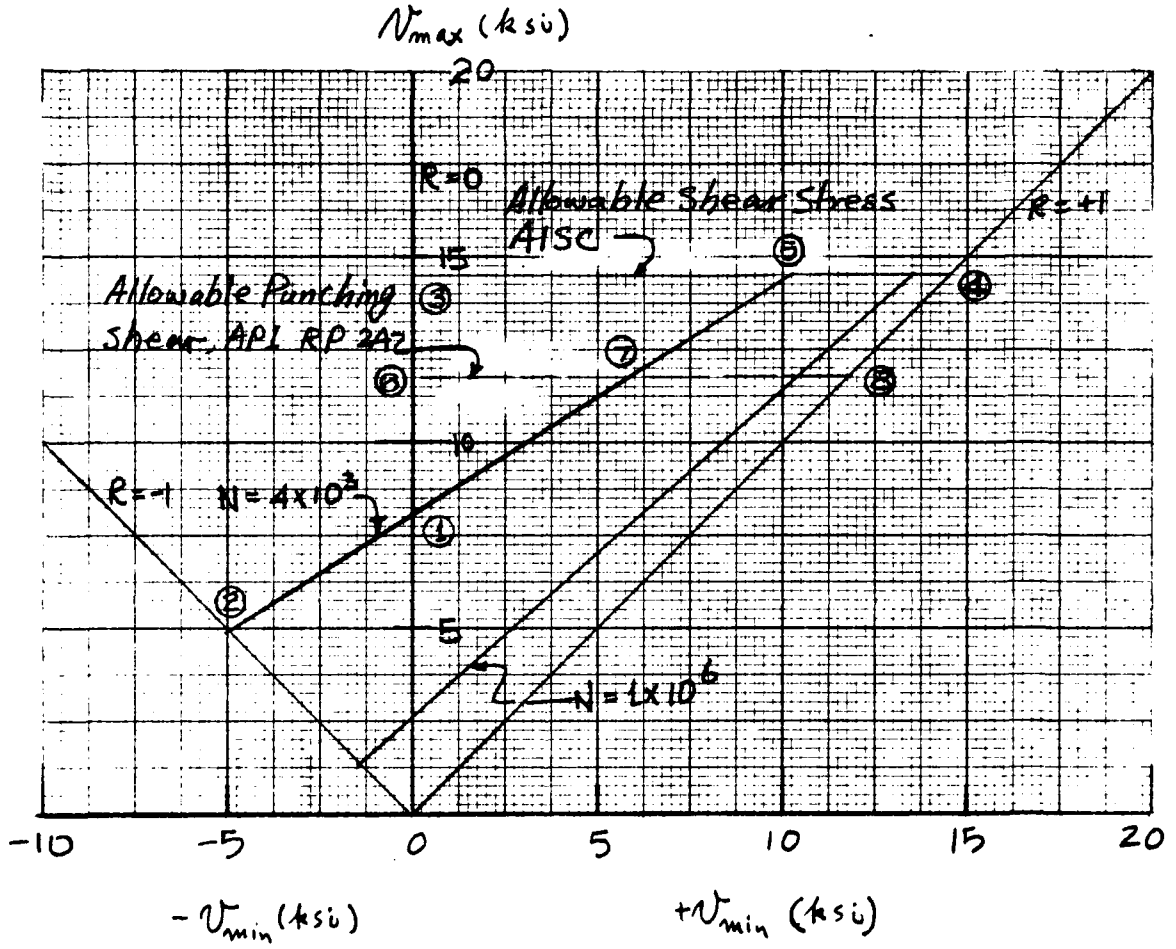
6. Calculate allowable compressive stress Fa per AISC specification. Set Fa on abscissa ($-f_{min}$) to obtain point ⑤.

7. Draw a vertical line through point ⑤ to intersect line $R=-1$ at point ⑥ and line ②-③ at point ⑦.

8. Line ⑥-⑦ defines the allowable design in Compression per AISC

9. Line ⑥-⑦-②-④ defines the boundary of allowable design per AISC & AWS for a branch member in simple K, T and Y joints for Life cycle $N = 4 \times 10^3$

6.4 MODIFIED GOODMAN DIAGRAM FOR SIMPLE K JOINTS – PUNCHING SHEAR STRESS



A36 Steel

(PUNCHING SHEAR STRESS ON MAIN MEMBER)
(FOR R/T RATIO DOES NOT EXCEED 24)

CONSTRUCTION PROCEDURES

1. Refer to AWS diagram, lines K-K and D'-D' are paralleled each other in the life cycle of $N = 4 \times 10^3$ and $N = 2 \times 10^6$. $\sigma_{K-K} = \frac{S_{D-D'}}{2.75}$

   where σ_{K-K} is the total stress range in line K-K

   $S_{D-D'}$ is the total stress range in line D'-D'

2. At $N = 4 \times 10^3$, $\sigma_{max} = 8$ ksi, set point ① on line R=0.

3. $-\sigma_{min} = -f_{min}/2.75 = -4.91$ ksi where $-f_{min}$ represents stress at point ③ in §6.3 diagram

4. Set $-\sigma_{min} = -4.91$ ksi on abscissa and draw a vertical line (to intersect line R=-1 at pt. ②)

5. For A36 steel, allowable shear stress $F_v = 14.5$ ksi per AISC specification. Draw a horizontal line through point ③ ($\sigma_{max} = 14.5$ ksi) to intersect line R=+1 at point ④.

6. Line ③-④ defines the allowable shear stress per AISC

7. Connect points ① and ② and extend to intersect line ③-④ at point ⑤.

8. Calculate σ_p per API RP 2A Eq. 23. Set point ⑥ at $\sigma_{max} = \sigma_p$.

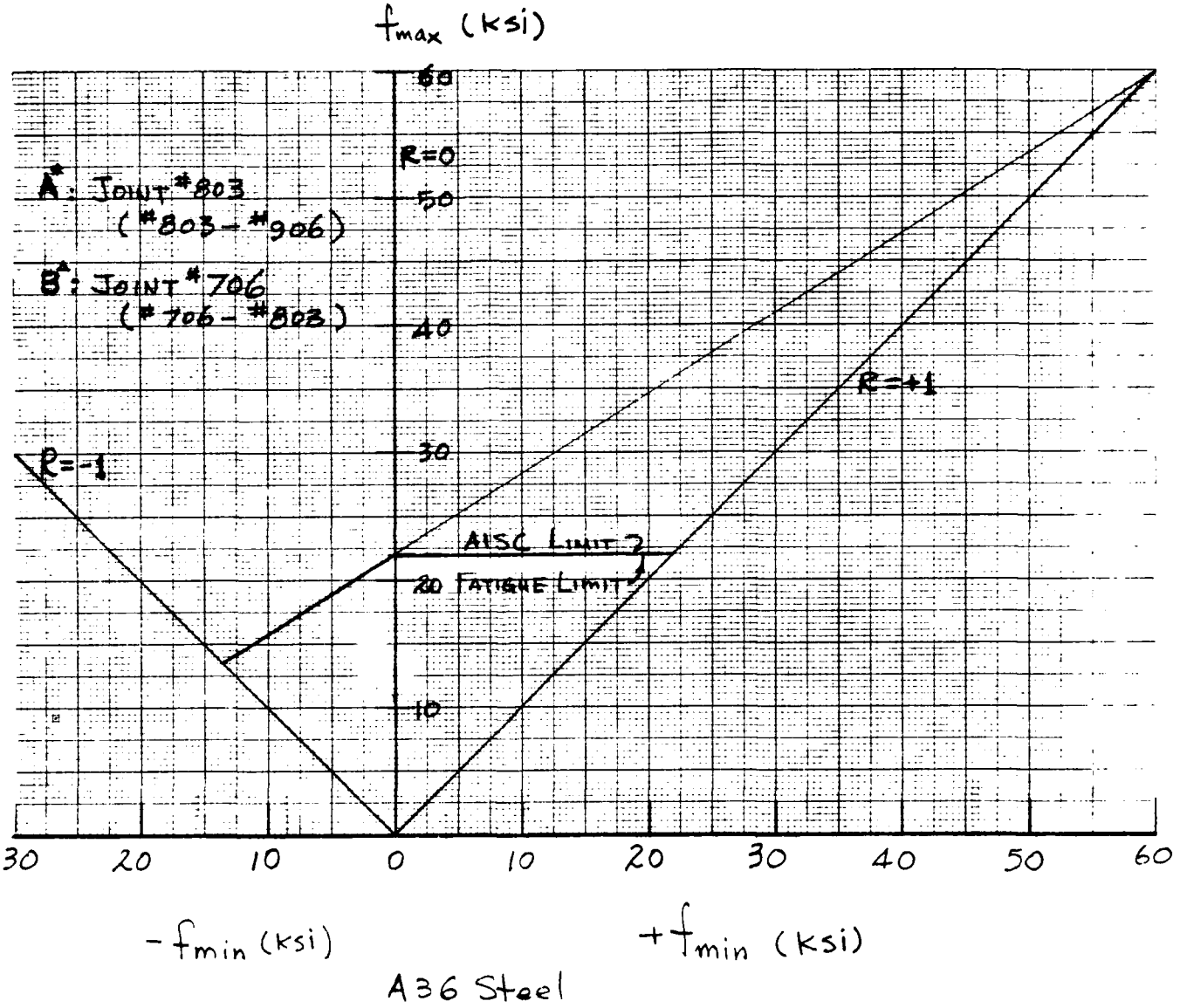
9. Draw a horizontal line through point ⑥ to intersect line ②-①-⑤ at point ⑦ and Line R=+1 at point ⑧

10. Line ⑦-⑧ defines the allowable punching shear per API RP 2A

11. Line ②—①—⑦—⑧ defines the boundary of allowable design for shear stress on main member in a simple K-type joint for life cycle $N = 4 \times 10^3$.

12. If the value of V_p per API RP 2A is greater than that of F_v per AISC specification, line ②—①—⑤—④ controls.

6.5 SAFE NOMINAL BRACE STRESS RANGE FOR FATIGUE

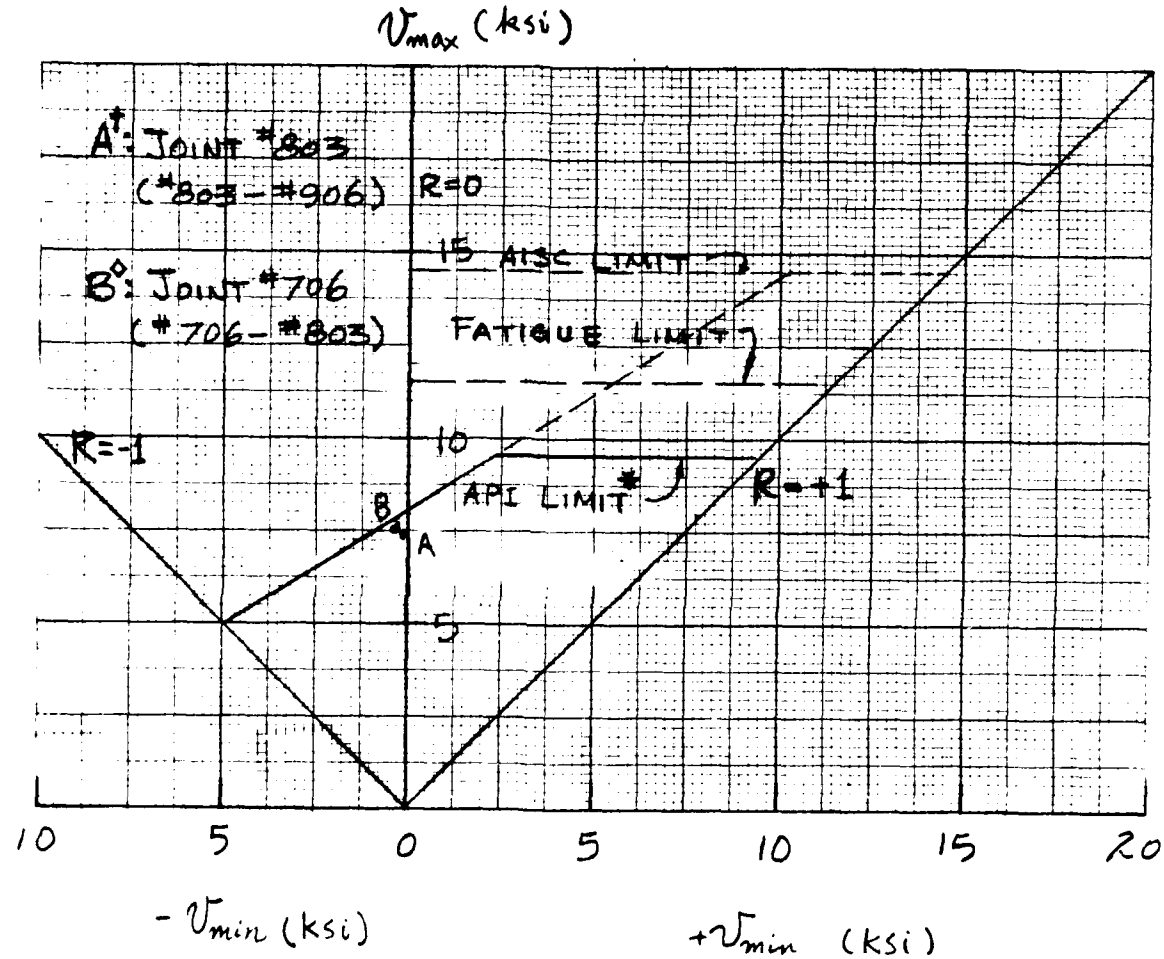


A36 Steel

* See Page 4.15

△ See Page 4.18

6.6 SAFE PUNCHING SHEAR STRESS RANGE FOR FATIGUE



* PUNCHING SHEAR LIMIT FOR JOINT #803 (#803-#906) & JOINT #706 (#706-#803)

† See Page 4.05

◇ See Page 4.08

SECTION 7

REFERENCES

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   AWS STRUCTURAL WELDING CODE, AWS D1.1-72

2. Tall, L., etc.

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4. Nolte, K. G. and Hansford, J. E.

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5. Martin, C. A.

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6. Strommen, J. A.

   NEW LOOK AT METAL FATIGUE, Machine Design, July 1974

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6. Strommen, J. A.

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APPENDIX A

PUNCHING SHEAR STRESS

6000 REMOTE BATCH

PUY2NFEB *UNITED COMPUTING* 67. APEX/SL 8.8.0

13.56.26. 10/07/76.

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PPPPPPPPPPP   UU        UU  YY        YY   2222222222   NN        NN  FFFFFFFFFFFF  EEEEEEEEEEEE
PPPPPPPPPPPP  UU        UU  YY        YY  222222222222  NNN       NN  FFFFFFFFFFFF  EEEEEEEEEEEE
PP        PP  UU        UU  YY        YY  2         22  NNNN      NN  FF            EE
PP        PP  UU        UU  YY        YY            22  NN NN     NN  FF            EE
PP        PP  UU        UU  YY        YY            22  NN  NN    NN  FF            EE
PP        PP  UU        UU  YY        YY            22  NN   NN   NN  FF            EE
PPPPPPPPPPPP  UU        UU  YYY      YYY            22  NN    NN  NN  FFFFFFFF      EEEEEEEE
PPPPPPPPPPP   UU        UU   YYY    YYY         2222222  NN     NNNN  FFFFFFFF      EEEEEEEE
PP            UU        UU    YYY  YYY        2222222  NN      NNNN  FF            EE
PP            UU        UU     YYYY            22      NN       NNN  FF            EE
PP            UU        UU      YY             22      NN        NN  FF            EE
PP            UU        UU      YY            22       NN        NN  FF            EE
PP            UU        UU      YY            22       NN        NN  FF            EE
PP            UU        UU      YY            22       NN        NN  FF            EE
PP            UUUUUUUUUUUU      YY           222222222222  NN        NN  FF            EEEEEEEEEEEE
PP             UUUUUUUUUU       YY           222222222222  NN        NN  FF            EEEEEEEEEEEE
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SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

K-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

I N P U T D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
706	806	47.500	1.500	1	-0.00	42
625	706	20.000	1.000	2	46.50	36
704	706	12.750	.500	2	82.00	36
705	706	12.750	.500	2	82.00	36
706	803	20.000	1.000	1	64.40	36
703	803	47.500	1.500	2	-0.00	42
706	803	20.000	1.000	2	48.40	36
802	803	14.000	.500	2	82.00	36
803	805	14.000	.500	1	82.00	36
803	906	20.000	1.000	1	65.90	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	2.000000E+01	1.000000E+00	5.969027E+01	2.700984E+02	3.600000E+01
2	1.275000E+01	5.000000E-01	1.924226E+01	5.671276E+01	3.600000E+01
3	1.400000E+01	5.000000E-01	2.120575E+01	6.910801E+01	3.600000E+01

LOAD CASE	LOAD FACTOR
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000
8	1.000

END OF INFORMATION READ - FORCE

60 SECONDS TO BE SORTED

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - K-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706	806	706	1	47.50	1.500	.136	.018		
			625 706	20.00	1.000	.069	.135	.084	6.903
			704 706	12.75	.500	.045	.076	.038	6.903
			705 706	12.75	.500	.178	.053	.074	6.903
			706 803	20.00	1.000	.169	.123	.175	6.903
706	806	706	2	47.50	1.500	.099	.015		
			625 706	20.00	1.000	.046	.091	.057	6.903
			704 706	12.75	.500	.029	.278	.097	6.903
			705 706	12.75	.500	.122	.109	.074	6.903
			706 803	20.00	1.000	.137	.044	.101	6.903
706	806	706	3	47.50	1.500	.393	.046		
			625 706	20.00	1.000	.249	.435	.282	6.903
			704 706	12.75	.500	.124	.388	.162	6.903
			705 706	12.75	.500	.476	.228	.225	6.903
			706 803	20.00	1.000	.545	.414	.538	6.903
706	806	706	4	47.50	1.500	.238	.044		
			625 706	20.00	1.000	.092	.232	.135	6.903
			704 706	12.75	.500	.051	1.159	.383	6.903
			705 706	12.75	.500	.234	.941	.373	6.903
			706 803	20.00	1.000	.281	.077	.200	6.903
706	806	706	5	47.50	1.500	.874	.108		
			625 706	20.00	1.000	.811	.591	.568	6.903
			704 706	12.75	.500	.294	.275	.181	6.903
			705 706	12.75	.500	.902	.684	.506	6.903
			706 803	20.00	1.000	1.302	.739	1.142	6.903
706	806	706	6	47.50	1.500	.340	.067		
			625 706	20.00	1.000	.114	.338	.188	6.903
			704 706	12.75	.500	.073	1.736	.573	6.903
			705 706	12.75	.500	.268	1.691	.628	6.903
			706 803	20.00	1.000	.377	.108	.270	6.903
706	806	706	7	47.50	1.500	2.097	.266		
			625 706	20.00	1.000	2.388	.856	1.258	6.903
			704 706	12.75	.500	.721	.654	.479	6.903
			705 706	12.75	.500	1.644	1.654	1.[illegible]95	6.903
			706 803	20.00	1.000	3.144	1.510	2.[illegible]42	6.903

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - K-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	-STRESS- AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706	806	706	8	47.50	1.500	.451	.097		
			625 706	20.00	1.000	.153	.406	.224	6.903
			704 706	12.75	.500	.086	2.916	.950	6.903
			705 706	12.75	.500	.312	2.616	.928	6.903
			706 803	20.00	1.000	.447	.176	.348	6.903
703	803	803	1	47.50	1.500	.146	.010		
			706 803	20.00	1.000	.187	.052	.100	6.903
			802 803	14.00	.500	.031	.048	.025	6.903
			803 805	14.00	.500	.119	.114	.074	6.903
			803 906	20.00	1.000	.240	.050	.167	6.903
703	803	803	2	47.50	1.500	.108	.015		
			706 803	20.00	1.000	.135	.026	.067	6.903
			802 803	14.00	.500	.020	.053	.023	6.903
			803 805	14.00	.500	.078	.067	.046	6.903
			803 906	20.00	1.000	.176	.039	.121	6.903
703	803	803	3	47.50	1.500	.417	.025		
			706 803	20.00	1.000	.545	.219	.320	6.903
			802 803	14.00	.500	.078	.082	.039	6.903
			803 805	14.00	.500	.303	.259	.179	6.903
			803 906	20.00	1.000	.685	.285	.538	6.903
703	803	803	4	47.50	1.500	.259	.050		
			706 803	20.00	1.000	.281	.037	.132	6.903
			802 803	14.00	.500	.059	.238	.094	6.903
			803 805	14.00	.500	.202	.529	.232	6.903
			803 906	20.00	1.000	.395	.233	.356	6.903
703	803	803	5	47.50	1.500	.932	.040		
			706 803	20.00	1.000	1.303	.324	.677	6.903
			802 803	14.00	.500	.147	.250	.126	6.903
			803 805	14.00	.500	.581	.430	.323	6.903
			803 906	20.00	1.000	1.436	.582	1.144	6.903
703	803	803	6	47.50	1.500	.379	.073		
			706 803	20.00	1.000	.377	.072	.186	6.903
			802 803	14.00	.500	.071	.656	.231	6.903
			803 805	14.00	.500	.326	.710	.329	6.903
			803 906	20.00	1.000	.552	.428	.557	6.903

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - K-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
703	803	803	7	47.50	1.500	2.255	.088		
			706 803	20.00	1.000	3.146	.611	1.558	6.903
			802 803	14.00	.500	.352	.300	.208	6.903
			803 805	14.00	.500	1.342	1.222	.818	6.903
			803 906	20.00	1.000	3.374	1.369	2.687	6.903
703	803	803	8	47.50	1.500	.490	.110		
			706 803	20.00	1.000	.448	.089	.223	6.903
			802 803	14.00	.500	.103	1.116	.386	6.903
			803 805	14.00	.500	.459	1.293	.550	6.903
			803 906	20.00	1.000	.687	.599	.731	6.903

END OF JOINT CHECK

END OF RUN - SAPCHK

6000 REMOTE BATCH

PUY2UECB *UNITED COMPUTING* 67, APEX/8L B.8.0

15.23.59, 10/07/76,

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PPPPPPPPPP   UU      UU  YY      YY   2222222222     OOOOOO  U  EEEEEEEEEEEE   CCCCCCCCCC
PPPPPPPPPPP  UU      UU  YY      YY  222222222222   OOOOOOOOO   EEEEEEEEEEEE  CCCCCCCCCCCC
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PP      PP   UU      UU  YY      YY           22   OO      O OO EE            CC
PP      PP   UU      UU  YY      YY           22   OO      O OO EE            CC
PP      PP   UU      UU  YY      YY           22   OO     O  OO EE            CC
PPPPPPPPPPP  UU      UU  YYY    YYY           22   OO    O   OO EE            CC
PPPPPPPPPP   UU      UU   YYY  YYY        2222222  OO   O    OO EEEEEEEE    CC
PP           UU      UU    YYYYYY       2222222   OO   O    OO EEEEEEEE    CC
PP           UU      UU     YYYY       22         OO   O    OO EE          CC
PP           UU      UU      YY       22          OO  O     OO EE          CC
PP           UU      UU      YY      22           OO O      OO EE          CC
PP           UU      UU      YY      22           OO O      OO EE          CC
PP           UU      UU      YY      22           OOO       OO EE          CC      CC
PP           UUUUUUUUUUU     YY      2222222222222  OOOOOOOO  EEEEEEEEEEEE  CCCCCCCCCCCC
PP            UUUUUUUUU      YY      2222222222222  OOOOOO    EEEEEEEEEEEE   CCCCCCCCCC
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SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

T-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

I N P U T D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
901	1001	47.750	1.620	2	-0.00	42
1001	1004	20.000	.625	1	82.00	36
1001	1002	20.000	.625	1	82.00	36
903	1003	47.750	1.620	2	-0.00	42
1003	1005	20.000	.625	1	82.00	36
1002	1003	20.000	.625	2	82.00	36
906	1006	47.750	1.620	2	-0.00	42
1004	1006	20.000	.625	2	82.00	36
1005	1006	20.000	.625	2	82.00	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	2.000000E+01	6.250000E-01	3.804273E+01	1.786967E+02	3.600000E+01

LOAD CASE	LOAD FACTOR
10	1.330
11	1.330
12	1.330
13	1.330
14	1.330
15	1.330
16	1.330
17	1.330

END OF INFORMATION READ - FORCE

72 RECORDS TO BE SORTED

PUNCHING SHEAR CHECK FOR - T-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR	
901	1001	1001	10	47.75	1.620	.011	.156			
			1001 1004	20.00	.625	8.460	3.104	4.285	9.671	
			1001 1002	20.00	.625	8.821	2.836	4.322	9.671	10,11,12,13 - Crest
901	1001	1001	11	47.75	1.620	.122	.233			
			1001 1004	20.00	.625	9.601	4.359	5.169	9.671	of wave
			1001 1002	20.00	.625	4.714	.483	1.931	9.671	
901	1001	1001	12	47.75	1.620	.011	.153			
			1001 1004	20.00	.625	8.322	2.965	4.183	9.671	
			1001 1002	20.00	.625	8.809	2.986	4.373	9.671	
901	1001	1001	13	47.75	1.620	.116	.207			
			1001 1004	20.00	.625	8.728	4.204	4.787	9.671	
			1001 1002	20.00	.625	4.277	.579	1.804	9.671	
901	1001	1001	14	47.75	1.620	.000	.018			
			1001 1004	20.00	.625	.028	.145	.063	9.671	
			1001 1002	20.00	.625	.117	.203	.118	9.671	
901	1001	1001	15	47.75	1.620	.003	.014			14,15,16,17 - Trough of
			1001 1004	20.00	.625	.099	.221	.118	9.671	
			1001 1002	20.00	.625	.055	.076	.048	9.671	wave
901	1001	1001	16	47.75	1.620	.001	.016			
			1001 1004	20.00	.625	.156	.176	.123	9.671	
			1001 1002	20.00	.625	.041	.141	.067	9.671	
901	1001	1001	17	47.75	1.620	.004	.023			
			1001 1004	20.00	.625	.183	.357	.199	9.671	
			1001 1002	20.00	.625	.036	.100	.050	9.671	
903	1003	1003	10	47.75	1.620	.240	.301			
			1003 1005	20.00	.625	9.452	4.802	5.276	9.671	
			1002 1003	20.00	.625	.154	1.672	.670	9.671	
903	1003	1003	11	47.75	1.620	.145	.213			
			1003 1005	20.00	.625	10.597	4.562	5.614	9.671	
			1002 1003	20.00	.625	4.779	.930	2.119	9.671	

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - T-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
903	1003	1003	12	47.75	1.620	.229	.298		
			1003 1005	20.00	.625	8.752	4.862	5.037	9.671
			1002 1003	20.00	.625	.144	1.693	.674	9.671
903	1003	1003	13	47.75	1.620	.136	.186		
			1003 1005	20.00	.625	9.787	4.384	5.248	9.671
			1002 1003	20.00	.625	4.518	.974	2.038	9.671
903	1003	1003	14	47.75	1.620	.006	.015		
			1003 1005	20.00	.625	.110	.245	.131	9.671
			1002 1003	20.00	.625	.032	.108	.051	9.671
903	1003	1003	15	47.75	1.620	.003	.013		
			1003 1005	20.00	.625	.076	.209	.105	9.671
			1002 1003	20.00	.625	.068	.081	.055	9.671
903	1003	1003	16	47.75	1.620	.007	.033		
			1003 1005	20.00	.625	.159	.495	.241	9.671
			1002 1003	20.00	.625	.111	.271	.141	9.671
903	1003	1003	17	47.75	1.620	.004	.024		
			1003 1005	20.00	.625	.166	.380	.201	9.671
			1002 1003	20.00	.625	.047	.121	.062	9.671
906	1006	1006	10	47.75	1.620	.218	.512		
			1004 1006	20.00	.625	1.273	2.015	1.212	9.671
			1005 1006	20.00	.625	7.159	4.500	4.312	9.671
906	1006	1006	11	47.75	1.620	.260	.351		
			1004 1006	20.00	.625	5.632	3.957	3.545	9.671
			1005 1006	20.00	.625	4.482	3.566	2.974	9.671
906	1006	1006	12	47.75	1.620	.228	.317		
			1004 1006	20.00	.625	1.248	2.009	1.201	9.671
			1005 1006	20.00	.625	7.838	4.444	4.545	9.671
906	1006	1006	13	47.75	1.620	.264	.330		
			1004 1006	20.00	.625	5.871	3.692	3.537	9.671
			1005 1006	20.00	.625	4.663	3.285	2.939	9.671
906	1006	1006	14	47.75	1.620	.006	.030		
			1004 1006	20.00	.625	.098	.286	.141	9.671
			1005 1006	20.00	.625	.146	.437	.214	9.671

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - T-JOINTS FOR FATIGUE 105 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
906	1006	1006	15	47.75	1.620	.007	.035		
			1004 1006	20.00	.625	.121	.422	.199	9.671
			1005 1006	20.00	.625	.132	.401	.196	9.671
906	1006	1006	16	47.75	1.620	.007	.014		
			1004 1006	20.00	.625	.028	.123	.056	9.671
			1005 1006	20.00	.625	.165	.231	.146	9.671
906	1006	1006	17	47.75	1.620	.008	.016		
			1004 1006	20.00	.625	.113	.195	.113	9.671
			1005 1006	20.00	.625	.151	.200	.122	9.671

END OF JOINT CHECK

END OF RUN - SAPCHK

6000 REMOTE BATCH

PUY2UFUB *UNITED COMPUTING* 67. APEX/SL 8.8.0

15.24.31. 10/07/76.

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PP      PP   UU      UU  YY      YY  2         22  UU      UU   FF            UU      UU
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PP      PP   UU      UU  YY      YY            22  UU      U UU FF            UU      UU
PP      PP   UU      UU  YY      YY            22  UU     U  UU FF            UU      UU
PPPPPPPPPPP  UU      UU  YYY    YYY            22  UU    U   UU FF            UU      UU
PPPPPPPPPP   UU      UU   YYY  YYY          2222   UU   U    UU FFFFFFFF      UU      UU
PP           UU      UU    YYYYYY         2222    UU   U    UU FFFFFFFF      UU      UU
PP           UU      UU     YYYY        22       UU   U    UU FF            UU      UU
PP           UU      UU      YY       22        UU  U     UU FF            UU      UU
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SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

T-JOINTS FOR FATIGUE 93 FT MLR STRUCTURE U.S. NAVY 27-771-01

INPUT DATA

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
901	1001	47.500	1.500	2	-0.00	42
1001	1002	20.000	.625	1	81.82	36
1001	1004	20.000	.625	1	81.82	36
903	1003	47.500	1.500	2	-0.00	42
1002	1003	20.000	.625	2	81.82	36
1003	1005	20.000	.625	1	81.82	36
906	1006	47.500	1.500	2	-0.00	42
1004	1006	20.000	.625	2	81.81	36
1005	1006	20.000	.625	2	81.81	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	2.000000E+01	6.250000E-01	3.804273E+01	1.786967E+02	3.600000E+01

LOAD CASE	LOAD FACTOR
6	1.330
7	1.330
8	1.330
9	1.330

END OF INFORMATION READ - FORCE

36 RECORDS TO BE SORTED

APCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - T-JOINTS FOR FATIGUE 93 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
901	1001	1001	6	47.50	1.500	.014	.221		
			1001 1002	20.00	.625	8.752	2.966	4.686	9.181
			1001 1004	20.00	.625	8.288	3.140	4.568	9.181
901	1001	1001	7	47.50	1.500	.124	.259		
			1001 1002	20.00	.625	4.521	1.517	2.415	9.181
			1001 1004	20.00	.625	9.372	3.752	5.245	9.181
901	1001	1001	8	47.50	1.500	.012	.212		
			1001 1002	20.00	.625	8.483	2.998	4.590	9.181
			1001 1004	20.00	.625	7.981	3.067	4.416	9.181
901	1001	1001	9	47.50	1.500	.124	.247		
			1001 1002	20.00	.625	4.107	1.499	2.241	9.181
			1001 1004	20.00	.625	8.801	3.720	5.003	9.181
903	1003	1003	6	47.50	1.500	.251	.299		
			1002 1003	20.00	.625	.209	1.732	.768	9.181
			1003 1005	20.00	.625	9.514	3.782	5.314	9.181
903	1003	1003	7	47.50	1.500	.158	.247		
			1002 1003	20.00	.625	4.622	1.968	2.633	9.181
			1003 1005	20.00	.625	10.748	4.021	5.902	9.181
903	1003	1003	8	47.50	1.500	.232	.290		
			1002 1003	20.00	.625	.001	1.599	.632	9.181
			1003 1005	20.00	.625	8.800	3.806	5.037	9.181
903	1003	1003	9	47.50	1.500	.150	.237		
			1002 1003	20.00	.625	4.606	1.925	2.610	9.181
			1003 1005	20.00	.625	10.277	3.972	5.695	9.181
906	1006	1006	6	47.50	1.500	.225	.308		
			1004 1006	20.00	.625	1.771	1.733	1.395	9.181
			1005 1006	20.00	.625	6.842	3.523	4.139	9.181
906	1006	1006	7	47.50	1.500	.266	.341		
			1004 1006	20.00	.625	5.903	2.948	3.534	9.181
			1005 1006	20.00	.625	4.260	2.634	2.759	9.181

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - T-JOINTS FOR FATIGUE 95 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- STRESS -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
906	1006	1006	8	47.50	1.500	.230	.303		
			1004 1006	20.00	.625	1.674	1.679	1.335	9.181
			1005 1006	20.00	.625	7.303	3.528	4.247	9.181
906	1006	1006	9	47.50	1.500	.262	.336		
			1004 1006	20.00	.625	6.391	2.628	3.683	9.181
			1005 1006	20.00	.625	4.605	2.507	2.839	9.181

END OF JOINT CHECK

END OF RUN - SAPCHK

6000 REMOTE BATCH

PUY2NUEB

UNITED COMPUTING 67. APEX/SL 8.8.0

14,36.18. 10/07/76.

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PPPPPPPPPPP   UU       UU  YY       YY   2222222222   NN       NN  UU       UU  EEEEEEEEEEEE
PPPPPPPPPPPP  UU       UU  YY       YY  222222222222  NNN      NN  UU       UU  EEEEEEEEEEEE
PP        PP  UU       UU  YY       YY  2        22   NNNN     NN  UU       UU  EE
PP        PP  UU       UU  YY       YY           22   NN NN    NN  UU       UU  EE
PP        PP  UU       UU  YY       YY           22   NN  NN   NN  UU       UU  EE
PPPPPPPPPPPP  UU       UU   YY     YY            22   NN   NN  NN  UU       UU  EE
PPPPPPPPPPP   UU       UU    YY   YY          2222   NN    NN NN  UU       UU  EEEEEEEE
PP            UU       UU     YY YY         2222    NN     NNNN  UU       UU  EEEEEEEE
PP            UU       UU      YYY         22       NN      NNN  UU       UU  EE
PP            UU       UU      YY         22        NN       NN  UU       UU  EE
PP            UU       UU      YY        22         NN       NN  UU       UU  EE
PP            UU       UU      YY       22          NN       NN  UU       UU  EE
PP            UUUUUUUUUUU      YY      2222222222   NN       NN  UUUUUUUUUUU  EEEEEEEEEEEE
PP             UUUUUUUUU       YY      2222222222   NN       NN   UUUUUUUUU   EEEEEEEEEEEE
```

CMK = CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API_CODE_CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

T-JOINTS FOR FATIGUE 81 FT MLW STRUCTURE U.S. NAVY 27-771-01

I N P U T D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
801	1001	47.500	1.500	2	-0.00	42
1001	1002	18.000	.500	1	81.82	36
1001	1004	18.000	.500	1	81.82	36
803	1003	47.500	1.500	2	-0.00	42
1002	1003	18.000	.500	2	81.82	36
1003	1005	18.000	.500	1	81.82	36
806	1006	47.500	1.500	2	-0.00	42
1004	1006	18.000	.500	2	81.82	36
1005	1006	18.000	.500	2	81.82	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.800000E+01	5.000000E-01	2.748894E+01	1.170188E+02	3.600000E+01

LOAD CASE	LOAD FACTOR
7	1.330
8	1.330
9	1.330
10	1.330

END OF INFORMATION READ - FORCE

36 RECORDS TO BE SORTED

SACHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - T-JOINTS FOR FATIGUE 81 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	1001	1001	7	47.50	1.500	.089	.118		
			1001 1002	18.00	.500	5.171	1.507	2.137	9.181
			1001 1004	18.00	.500	9.709	3.922	4.358	9.181
801	1001	1001	8	47.50	1.500	.070	.104		
			1001 1002	18.00	.500	5.254	1.560	2.181	9.181
			1001 1004	18.00	.500	8.561	3.002	3.951	9.181
801	1001	1001	9	47.50	1.500	.019	.077		
			1001 1002	18.00	.500	7.910	2.779	3.419	9.181
			1001 1004	18.00	.500	9.035	2.813	3.791	9.181
801	1001	1001	10	47.50	1.500	.006	.076		
			1001 1002	18.00	.500	8.373	2.878	3.599	9.181
			1001 1004	18.00	.500	8.597	2.728	3.623	9.181
803	1003	1003	7	47.50	1.500	.075	.141		
			1002 1003	18.00	.500	4.895	1.563	2.003	9.181
			1003 1005	18.00	.500	8.650	3.986	4.038	9.181
803	1003	1003	8	47.50	1.500	.054	.123		
			1002 1003	18.00	.500	5.198	1.540	2.093	9.181
			1003 1005	18.00	.500	7.665	3.833	3.673	9.181
803	1003	1003	9	47.50	1.500	.134	.192		
			1002 1003	18.00	.500	.070	1.641	.604	9.181
			1003 1005	18.00	.500	6.623	3.728	3.306	9.181
803	1003	1003	10	47.50	1.500	.118	.198		
			1002 1003	18.00	.500	.261	1.829	.662	9.181
			1003 1005	18.00	.500	5.873	3.892	3.116	9.181
806	1006	1006	7	47.50	1.500	.141	.224		
			1004 1006	18.00	.500	2.806	3.070	1.872	9.181
			1005 1006	18.00	.500	3.905	3.508	2.300	9.181
806	1006	1006	8	47.50	1.500	.146	.191		
			1004 1006	18.00	.500	3.166	2.581	1.833	9.181
			1005 1006	18.00	.500	4.158	2.760	2.202	9.181

SAPCHK - CHEST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - T-JOINTS FOR FATIGUE 81 FT MLW STRUCTURE U.S. NAVY 27-771-01

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806	1006	1006	9	47.50	1.500	.124	.190		
			1004 1006	18.00	.500	.670	2.164	.899	9.181
			1005 1006	18.00	.500	6.580	4.266	3.462	9.181
806	1006	1006	10	47.50	1.500	.138	.179		
			1004 1006	18.00	.500	.359	2.213	.815	9.181
			1005 1006	18.00	.500	7.268	4.044	3.613	9.181

END OF JOINT CHECK

END OF RUN - SAPCHK

APPENDIX B

STRESS ANALYSIS

6000 REMOTE BATCH

PUVORCDB

UNITED COMPUTING 67. APEX/SL 8.8.0

08.04.47. 10/06/76.

```
PPPPPPPPPPP   UU        UU  YY        YY    00000000    RRRRRRRRRRR     CCCCCCCCCC    DDDDDDDDD
PPPPPPPPPPPP  UU        UU  YY        YY  00        00  RRRRRRRRRRRR   CCCCCCCCCCCC  DDDDDDDDDD
PP        PP  UU        UU  YY        YY  00        00  RR        RR  CC        CC  DD      DD
PP        PP  UU        UU  YY        YY  00        00  RR        RR  CC            DD      DD
PP        PP  UU        UU  YY        YY  00        00  RR        RR  CC            DD      DD
PPPPPPPPPPPP  UU        UU  YYY      YYY  00        00  RR        RR  CC            DD      DD
PPPPPPPPPPP   UU        UU   YYY    YYY   00        00  RRRRRRRRRRRR  CC            DD      DD
PP            UU        UU    YYY  YYY    00        00  RRRRRRRRRRR   CC            DD      DD
PP            UU        UU     YYYY      00        00  RR   RR       CC            DD      DD
PP            UU        UU      YY       00        00  RR    RR     CC            DD      DD
PP            UU        UU      YY       00        00  RR     RR    CC            DD      DD
PP            UU        UU      YY       00        00  RR      RR   CC            DD      DD
PP            UU        UU      YY       00        00  RR       RR  CC        CC  DD      DD
PP            UUUUUUUUUUUU      YY         00      00  RR        RR CCCCCCCCCCCC  DDDDDDDDDD
PP             UUUUUUUUUU       YY          00000000   RR        RR  CCCCCCCCCC   DDDDDDDDD
```

SYNERCOM TECHNOLOGY USER BULLETIN

STRAN BULLETIN #5
*** ENDLOAD ***

THE METHOD FOR CALCULATING THE MOMENTS, SHEARS, AND AXIAL FORCES AT THE EXTREME ENDS OF A MEMBER HAS BEEN MODIFIED TO CORRECTLY INCLUDE CONCENTRATED LOADS OR MOMENTS APPLIED AT THE ENDS OF THE MEMBER. THIS TECHNIQUE IS BELIEVED TO GIVE THE TRUE EVALUATION OF THE ACTIONS AT THE ENDS OF A MEMBER DUE TO JOINT LOADS APPLIED AS MEMBER END LOADS. THEREFORE, FOR ANY MEMBER HAVING END LOADS--

1. ALL MEMBER STRESS REPORTS MAY BE EFFECTED.
2. SHEAR STRESSES WILL CHANGE WHERE CONCENTRATED LOADS ARE APPLIED AT THE MEMBER END.
3. BENDING OR TORSIONAL STRESSES WILL CHANGE WHERE MOMENT LOADS ARE APPLIED AT THE MEMBER END.
4. STRESSES OTHER THAN AT THE END WHERE THE LOAD IS APPLIED WILL NOT CHANGE.
5. MEMBERS WITHOUT END LOADS WILL NOT CHANGE.
6. THE MEMBER FORCES AND MOMENTS REPORT DOES NOT CHANGE.

HAVE YOU READ BULLETIN NO.4 REGARDING THE NEW ALLOWABLE STRESS AND UNITY CHECK FEATURES.

NOTE - IF YOU DO NOT HAVE ALL OF THE BULLETINS, YOU MAY OBTAIN A COPY BY SUBMITTING A RUN WITH THE FOLLOWING CONTROL CARDS:

```
GET,MANCBUL.
COPYSBF,MANCBUL.
```

```
                    ********************************************
                    *                                          *
                    *                  STRAN                   *
                    *  A SYNERCOM TECHNOLOGY, INC. DEVELOPMENT *
                    *            RELEASE 6  MOD 15             *
                    *               AUGUST 1976                *
                    *                                          *
                    ********************************************

                                                                                    DATE   10/05/76

          U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET
                                LOAD CN  1 =  7 FT WAVE - CREST
                                LOAD CN  2 =  7 FT WAVE - TROUGH
                                LOAD CN  3 = 17 FT WAVE - CREST
                                LOAD CN  4 = 17 FT WAVE - TROUGH
                                LOAD CN  5 = 27 FT WAVE - CREST
                                LOAD CN  6 = 27 FT WAVE - TROUGH
                                LOAD CN  7 = 42 FT WAVE - CREST
                                LOAD CN  8 = 42 FT WAVE - TROUGH

                                   ***PROGRAM OPTIONS***

THE FOLLOWING OPTIONS HAVE BEEN REQUESTED FOR THIS ANALYSIS

INPUT
          ....CARD PLUS DATA FILE INPUT

INPUT UNITS
          ....ENGLISH

OUTPUT UNITS
          ....ENGLISH

EXECUTION
          ...UNITY CHECK
             .UNITY CHECKS COMPUTED BY AMERICAN PETROLEUM
               INSTITUTE REPORT API-RP-2A, JAN 75, SECTIONS
               2.1H, 2.1I.  RESULTS INVALID FOR A514 STEEL.
          ....NO. OF SEGMENTS              4
          ....VARBL TERM, SEGMENTS/SECT 1

LOAD
          ....NO. BASIC LOAD CONDS.     8

REPORT
          ....INPUT ECHO AND GROUP PROP        PRINT
          ....JOINT DEFLECTIONS                PRINT
          ....GROUP AND UN CHK SUMMARY         PRINT
          ....MEMBER STRESS REPORT NO.  1      PRINT
          ....MEMBER STRESS REPORT NO.  2      PRINT
          ....MEMBER STRESS REPORT NO.  3      PRINT
          ....MEMBER DETAIL REPORT             PRINT
          ....REACTION FORCES AND MOMTS        PRINT
          ....EQUILIBRIUM CHECK                PRINT

EQUILIBRIUM CHECK EDIT VALUES
          ....FORCES      50.00 LB
          ....MOMENTS    100.00 IN-LB
```

STRAN - GROUP PROPERTIES REPORT

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET
TUBULAR MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	WT IN.	OD IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	SHEAR AREA IN2	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11000000.0 PSI ***													
086	1	=0.00	.500	8.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	=0.00
105	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	1.0	1.0	5.95	=0.00
106	1	=0.00	.844	10.75	26.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	=0.00
107	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	1.0	1.0	5.95	=0.00
108	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	1.0	1.0	5.95	=0.00
109	1	=0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	1.0	1.0	5.95	=0.00
120	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	=0.00
125	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	=0.00
126	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	=0.00
127	1	=0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	1.6	.8	9.62	=0.00
140	1	=0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	=0.00
145	1	=0.00	.500	14.00	21.21	967.51	483.76	483.76	36.0	1.6	.8	10.60	=0.00
146	1	=0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	=0.00
165	1	=0.00	.625	16.00	30.19	1787.03	893.52	893.52	36.0	1.6	.8	15.09	=0.00
166	1	=0.00	.500	16.00	24.35	1463.88	731.94	731.94	36.0	1.6	.8	12.17	=0.00
180	1	=0.00	.500	18.00	27.49	2106.34	1053.17	1053.17	36.0	.8	.8	13.74	=0.00
200	1	=0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	.8	.8	19.02	=0.00
200	1	=0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	1.6	.8	19.02	=0.00
[illegible]	1	=0.00	1.000	30.00	91.11	19177.85	9588.93	9588.93	36.0	1.0	1.0	45.55	=0.00
[illegible]	1	=0.00	1.750	42.00	221.69	89793.68	44896.84	44896.84	36.0	1.0	1.0	110.84	=0.00
P2	1	=0.00	2.000	42.00	251.33	100782.29	50391.15	50391.15	36.0	1.0	1.0	125.66	=0.00
[illegible]	1	=0.00	2.000	42.00	251.33	100782.29	50391.15	50391.15	36.0	1.0	1.0	125.66	=0.00
J[illegible]	1	=0.00	1.750	46.00	254.27	136170.95	68085.48	68085.48	36.0	1.0	1.0	127.14	=0.00
JL[illegible]	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	1.0	1.0	71.47	=0.00
J[illegible]	1	=0.00	1.000	46.50	142.94	74017.39	37008.70	37008.70	36.0	1.0	1.0	71.47	=0.00
J[illegible]	1	=0.00	.500	45.50	70.69	35769.12	17884.56	17884.56	36.0	1.0	1.0	35.34	=0.00
JL6	1	=0.00	.500	45.50	70.69	35769.12	17884.56	17884.56	36.0	1.0	1.0	35.34	=0.00
J[illegible]	1	=0.00	.500	45.50	70.69	35769.12	17884.56	17884.56	36.0	1.0	1.0	35.34	=0.00
[illegible]	1	=0.00	.500	18.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	=0.00

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	FLANGE THICK IN.	FLANGE WIDTH IN.	WEB THICK IN.	FILET RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	LB FT.	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***																
W16	1	-0.00	.570	7.50	.358	.500	16.00	16.20	1.25	802.00	40.20	36.0	2.0	.5	.01	-0.00
W08	1	-0.00	.398	6.50	.245	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	1.0	.01	-0.00
W06	1	-0.00	.269	6.00	.235	.500	6.00	4.56	.11	30.10	9.67	36.0	1.0	1.0	.01	-0.00

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET
PRISMATIC SECTION MEMBERS

GRP	M/S	JOINT INCR FT.	Z-DPTH IN.	Y-DPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***												
MBR	1	-0.00	10.00	5.00	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	-0.00

STRAN INPUT DATA

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  OPTIONS  1 2 3 4 5 6 7 8
    2  SECT
    3  SECT  #ISHBON    PRI  5000 3000000 3000000 3000000   1000          500
    4  SECT  #18X50     #FC  1620     125   80200    4020    750  570  1800  358   50
    5  SECT  #8X24      #FC   706      34    8250    1820    650  398   795  245   50
    6  SECT  #8X15      #FC   456      11    3010     967    600  269   600  235   50
    7  GROUP
    8  GROUP 101                 1462  500  29  116  36        100 100        5000
    9  GROUP 102                 1075  365  29  116  36        100 100        5000
   10  GROUP 103                 1075  844  29  116  36        100 100        5000
   11  GROUP 104                 1075  365  29  116  36        100 100        5000
   12  GROUP 105                 1075  365  29  116  36        100 100        5000
   13  GROUP 106                 1075  365  29  116  36        100 100        5000
   14  GROUP 121                 1275  500  29  116  36         80  80        5000
   15  GROUP 122                 1275  500  29  116  36         80  80        5000
   16  GROUP 123                 1275  500  29  116  36         80  80        5000
   17  GROUP 124                 1275  500  29  116  36        160  80        5000
   18  GROUP 125                 1400  375  29  116  36         80  80        5000
   19  GROUP 126                 1400  375  29  116  36        160  80        5000
   20  GROUP 127                 1400  375  29  116  36         80  80        5000
   21  GROUP 128                 1300  625  29  116  36        160  80        5000
   22  GROUP 129                 1600  500  29  116  36        160  80        5000
   23  GROUP 130                 1600  500  29  116  36         80  80        5000
   24  GROUP 201                 2000  625  29  116  36         80  80        5000
   25  GROUP 202                 2000  625  29  116  36        160  80        5000
   26  GROUP 203                 3000 1000  29  116  36        100 100        5000
   27  GROUP 204                 4200 1750  29  116  36        100 100        5000
   28  GROUP 205                 4200 2000  29  116  36        100 100        5000
   29  GROUP 206                 4200 2000  29  116  36        100 100        5000
   30  GROUP 207                 4600 1750  29  116  36        100 100        5000
   31  GROUP 208                 4650 1000  29  116  36        100 100        5000
   32  GROUP 209                 4650 1000  29  116  36        100 100        5000
   33  GROUP 210                 4550  500  29  116  36        100 100        5000
   34  GROUP 211                 4550  500  29  116  36        100 100        5000
   35  GROUP 212                 4550  500  29  116  36        100 100        5000
   36  GROUP 401                 1800  500  29  116  36        100 100        5000
   37  GROUP #01  #ISHBON                   29  116  36
   38  GROUP #10  #18X50                    29  116  36        200  50  01
   39  GROUP #08  #8X24                     29  116  36        100 100  01
   40  GROUP #08  #8X15                     29  116  36        100 100  01
   41  MEMBER
   42  MEMBER  101 102 #18                                                  1800
   43  MEMBER  102 103 #18                                                  1800
   44  MEMBER  103 105 #18                                                  1800
   45  MEMBER  105 106 #18                                                  1800
   46  MEMBER  101 104 #18                                                  1800
   47  MEMBER  104 105 #18                                                  1800
   48  MEMBER  102 104 #08                                                   800
   49  MEMBER  102 105 #08                                                   800
```

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.		1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0															
50	MEMBER	104	105	W08											800	
51	MEMBER	201	202	W18											1800	
52	MEMBER	202	203	W18											1800	
53	MEMBER	203	205	W18											1800	
54	MEMBER	205	206	W18											1800	
55	MEMBER	201	204	W18											1800	
56	MEMBER	204	206	W18											1800	
57	MEMBER	202	204	W08											800	
58	MEMBER	202	205	W08											800	
59	MEMBER	204	205	W08											800	
60	MEMBER	201	303	120											2400	
61	MEMBER	203	306	120											2400	
62	MEMBER	206	301	120											3600	
63	MEMBER	301	403	1203K											2400	
64	MEMBER	106	201	1203K											2400	
65	MEMBER	301	303	123											2000	
66	MEMBER	303	306	123											2000	
67	MEMBER	301	306	123											2000	
68	MEMBER	501	502	105											1600	
69	MEMBER	502	503	105											1600	
70	MEMBER	503	505	105											1600	
71	MEMBER	505	506	105											1600	
72	MEMBER	501	504	105											1600	
73	MEMBER	504	506	105											1600	
74	MEMBER	502	504	105											1075	
75	MEMBER	502	505	105											1075	
76	MEMBER	504	505	105											1075	
77	MEMBER	501	507	W0NSK											0000	
78	MEMBER	507	510	W0NSK		1111									0000	
79	MEMBER	505	508	W0NSK											0000	
80	MEMBER	508	511	W0NSK		1111									0000	
81	MEMBER	506	509	W0NSK											0000	
82	MEMBER	509	512	W0NSK		1111									0000	
83	MEMBER	501	513	1253K											1200	
84	MEMBER	503	514	1253K											1200	
85	MEMBER	513	651	B0M5K											4000	
86	MEMBER	514	653	B0M5K											4000	
87	MEMBER	601	611	1063K											1400	
88	MEMBER	603	613	1063K											1400	
89	MEMBER	651	601	1063K											1400	
90	MEMBER	653	603	1063K											1400	
91	MEMBER	611	612	0863K											1200	
92	MEMBER	612	613	0863K											1200	
93	MEMBER	661	662	0863K											2680	
94	MEMBER	662	663	0863K											2680	
95	MEMBER	611	661	1063K											3000	
96	MEMBER	612	662	1063K											2000	
97	MEMBER	613	663	1063K											3000	
98	MEMBER	501	622	200											2000	

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5....10....15....20....25....30....35....40....45....50....55....60....65....70....75....80
99	MEMBER 622 703 200 3032
100	MEMBER 503 625 200 2000
101	MEMBER 625 706 200 3032
102	MEMBER 506 624 200 2000
103	MEMBER 624 701 200 3032
104	MEMBER 701 702 157 2033
105	MEMBER 702 703 157 2033
106	MEMBER 703 705 157 2033
107	MEMBER 705 706 157 2033
108	MEMBER 701 704 157 2033
109	MEMBER 704 706 157 2033
110	MEMBER 702 704 107 1757
111	MEMBER 702 705 107 1757
112	MEMBER 704 705 107 1757
113	MEMBER 701 707 -BNSK 0000
114	MEMBER 707 710 -BNSK 1111 0000
115	MEMBER 703 708 -BNSK 0000
116	MEMBER 708 711 -BNSK 1111 0000
117	MEMBER 706 709 -BNSK 0000
118	MEMBER 709 712 -BNSK 1111 0000
119	MEMBER 701 801 200 3032
120	MEMBER 703 801 200 3032
121	MEMBER 706 803 200 3032
122	MEMBER 801 802 148 2205
123	MEMBER 802 803 148 2205
124	MEMBER 803 805 148 2205
125	MEMBER 805 806 148 2205
126	MEMBER 801 804 148 2205
127	MEMBER 804 806 148 2205
128	MEMBER 802 804 108 1757
129	MEMBER 802 805 108 1757
130	MEMBER 804 805 108 1757
131	MEMBER 801 807 -BNSK 0000
132	MEMBER 807 810 -BNSK 1111 0000
133	MEMBER 803 808 -BNSK 0000
134	MEMBER 808 811 -BNSK 1111 0000
135	MEMBER 806 809 -BNSK 0000
136	MEMBER 809 812 -BNSK 1111 0000
137	MEMBER 801 903 200 3032
138	MEMBER 803 906 200 3032
139	MEMBER 806 901 200 3032
140	MEMBER 901 902 169 2481
141	MEMBER 902 903 169 2481
142	MEMBER 903 905 169 2481
143	MEMBER 905 906 169 2481
144	MEMBER 901 904 169 2481
145	MEMBER 904 906 169 2481
146	MEMBER 902 904 109 1757
147	MEMBER 902 905 109 1757

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     146 MEMBER  904 905 109                                                                    1757
     147 MEMBER  901 907 ABNSK                                                                  0000
     150 MEMBER  907 910 ABNSK          1111                                                    0000
     151 MEMBER  903 908 ABNSK                                                                  0000
     152 MEMBER  908 911 ABNSK          1111                                                    0000
     153 MEMBER  906 909 ABNSK                                                                  0000
     154 MEMBER  909 912 ABNSK          1111                                                    0000
     155 MEMBER  901 1002 160                                                                   2757
     156 MEMBER  903 1002 160                                                                   2757
     157 MEMBER  903 1005 160                                                                   2757
     158 MEMBER  906 1005 160                                                                   2757
     159 MEMBER  901 1004 160                                                                   2757
     160 MEMBER  906 1004 160                                                                   2757
     161 MEMBER 1001 1002 200                                                                   3032
     162 MEMBER 1002 1003 200                                                                   3032
     163 MEMBER 1003 1005 200                                                                   3032
     164 MEMBER 1005 1006 200                                                                   3032
     165 MEMBER 1001 1004 200                                                                   3032
     166 MEMBER 1004 1006 200                                                                   3032
     167 MEMBER 1002 1004 140                                                                   2205
     168 MEMBER 1002 1005 140                                                                   2205
     169 MEMBER 1004 1005 140                                                                   2205
     170 MEMBER 1001 1007 ABNSK                                                                 0000
     171 MEMBER 1007 1010 ABNSK         1111                                                    0000
     172 MEMBER 1003 1008 ABNSK                                                                 0000
     173 MEMBER 1008 1011 ABNSK         1111                                                    0000
     174 MEMBER 1006 1009 ABNSK                                                                 0000
     175 MEMBER 1009 1012 ABNSK         1111                                                    0000
     176 MEMBER  101 201 DKL                                                                    3000
     177 MEMBER  103 203 DKL                                                                    3000
     178 MEMBER  106 206 DKL                                                                    3000
     179 MEMBER  201 301 DKL                                                                    3000
     180 MEMBER  203 303 DKL                                                                    3000
     181 MEMBER  206 306 DKL                                                                    3000
     182 MEMBER  301 401 DKL                                                                    3000
     183 MEMBER  303 403 DKL                                                                    3000
     184 MEMBER  306 406 DKL                                                                    3000
     185 MEMBER  401 501 JL4                                                              F     4800
     186 MEMBER  403 503 JL4                                                              F     4800
     187 MEMBER  406 506 JL4                                                              F     4800
     188 MEMBER  501 601 JL5                                                              F     4750
     189 MEMBER  503 603 JL5                                                              F     4750
     190 MEMBER  506 606 JL5                                                              F     4750
     191 MEMBER  601 621 JL6                                                              F     4750
     192 MEMBER  603 623 JL6                                                              F     4750
     193 MEMBER  606 626 JL6                                                              F     4750
     194 MEMBER  621 651 JL6                                                              F     6023
     195 MEMBER  623 653 JL6                                                              F     6023
     196 MEMBER  626 656 JL6                                                              F     6023
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STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

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                        1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
   197  MEMBER  651  701  JL6                                                        F  6823
   198  MEMBER  653  703  JL6                                                        F  6823
   199  MEMBER  656  706  JL6                                                        F  6823
   200  MEMBER  701  801  JL7                                                        F  6547
   201  MEMBER  703  803  JL7                                                        F  6547
   202  MEMBER  706  806  JL7                                                        F  6547
   203  MEMBER  801  901  JL8                                                        F  6547
   204  MEMBER  803  903  JL8                                                        F  6547
   205  MEMBER  806  906  JL8                                                        F  6547
   206  MEMBER  9011001   JL9                                                        F  6547
   207  MEMBER  9031003   JL9                                                        F  6547
   208  MEMBER  9061006   JL9                                                        F  6547
   209  MEMBER  401  510   P1                                                        F  0000 1
   210  MEMBER  403  511   P1                                                        F  0000 2
   211  MEMBER  406  512   P1                                                        F  0000 3
   212  MEMBER  510  710   P1                                                        F  0000 1
   213  MEMBER  511  711   P1                                                        F  0000 2
   214  MEMBER  512  712   P1                                                        F  0000 3
   215  MEMBER  710  810   P2                                                        F  0000 1
   216  MEMBER  711  811   P2                                                        F  0000 2
   217  MEMBER  712  812   P2                                                        F  0000 3
   218  MEMBER  810  910   P2                                                        F  0000 1
   219  MEMBER  811  911   P2                                                        F  0000 2
   220  MEMBER  812  912   P2                                                        F  0000 3
   221  MEMBER 1010  910   P3                                                        F  0000 1
   222  MEMBER 1011  911   P3                                                        F  0000 2
   223  MEMBER 1012  912   P3                                                        F  0000 3
   224  PGUID
   225  CVRG      5  .05       .05       .005
   226  PILE   1010  200.0
   227  PROP        42.0      42.0      2.00      20.0
   228  PROP        42.0      42.0      1.75      70.0
   229  PROP        42.0      42.0      1.50     200.0
   230  PT        2  0.0
   231  FORCE       0.0       0.0
   232  DEPL        0.0      20.0
   233  PT        8  0.0
   234  FORCE       0.0       0.107     0.129     0.153     0.169     0.188
   235  FORCE       0.237     0.237
   236  DEPL        0.0       0.050     0.120     0.270     0.430     0.700
   237  DEPL        1.540    20.000
   238  PT        8  14.0
   239  FORCE       0.0       0.366     0.611     0.906     1.136     1.440
   240  FORCE       2.274     2.274
   241  DEPL        0.0       0.036     0.110     0.260     0.420     0.700
   242  DEPL        1.540    20.000
   243  PT        8  24.0
   244  FORCE       0.0       1.244     1.681     2.547     2.895     3.644
   245  FORCE       5.831     5.831
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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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  240 DEPL          0.0       0.070     0.140     0.280     0.430     0.700
  247 DEPL        1.580      20.000
  248 PY        8  34.0
  249 PORLE         0.0       5.021     5.693     4.742     5.659     6.950
  250 PORLE       11.120     11.120
  251 DEPL          0.0       0.120     0.190     0.320     0.460     0.700
  252 DEPL        1.580      20.000
  253 PY        8  48.0
  254 PORLE         0.0       7.654     8.468     9.913    11.273    13.280
  255 PORLE       21.248     21.248
  256 DEPL          0.0       0.220     0.270     0.380     0.500     0.700
  257 DEPL        1.580      20.000
  258 PY        8  68.0
  259 PORLE         0.0      10.718    11.997    14.043    15.970    18.814
  260 PORLE       30.102     30.102
  261 DEPL          0.0       0.220     0.270     0.380     0.500     0.700
  262 DEPL        1.580      20.000
  263 PY        8 102.0
  264 PORLE         0.0      16.223    17.995    21.064    23.954    28.221
  265 PORLE       45.153     45.153
  266 DEPL          0.0       0.220     0.270     0.380     0.500     0.700
  267 DEPL        1.580      20.000
  268 PY        7 102.1
  269 PORLE         0.0       0.967     1.313     1.718     2.418     3.281
  270 PORLE       3.281       0.
  271 DEPL          0.0       0.075     0.190     0.47      1.180     2.940
  272 DEPL       20.000
  273 PY        7 136.0
  274 DEPL          0.0       0.967     1.313     1.718     2.418     3.281
  275 PORLE       3.281
  276 DEPL          0.0       0.075     0.190     0.47      1.180     2.940
  277 DEPL       20.000
  278 PILE  1011  200.0
  279 PILE  1012  200.0
  280 JOINT
  281 JOINT  101   14.50   -8.37 180.00                              TOP DECK
  282 JOINT  102    0.0    -8.37 180.00                              TOP DECK
  283 JOINT  103  -14.50   -8.37 180.00                              TOP DECK
  284 JOINT  104    7.25    4.18 180.00                              TOP DECK
  285 JOINT  105   -7.25    4.18 180.00                              TOP DECK
  286 JOINT  106    0.0    16.74 180.00                              TOP DECK
  287 JOINT  201   14.50   -8.37 165.00                              EQM DECK
  288 JOINT  202    0.0    -8.37 165.00                              EQM DECK
  289 JOINT  203  -14.50   -8.37 165.00                              EQM DECK
  290 JOINT  204    7.25    4.18 165.00                              EQM DECK
  291 JOINT  205   -7.25    4.18 165.00                              EQM DECK
  292 JOINT  206    0.0    16.74 165.00                              EQM DECK
  293 JOINT  301   14.50   -8.37 150.00                              DK BRACE
  294 JOINT  303  -14.50   -8.37 150.00                              DK BRACE
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LINE NO.						
295	JOINT	506	0.0	16.74	150.00	DK BRACE
296	JOINT	401	14.50	-8.37	121.50	MP LEVEL
297	JOINT	403	-14.50	-8.37	121.50	MP LEVEL
298	JOINT	406	0.0	16.74	121.50	MP LEVEL
299	JOINT	501	15.15	-8.75	117.00	5 LEVEL
300	JOINT	502	0.0	-8.75	117.00	5 LEVEL
301	JOINT	503	-15.15	-8.75	117.00	5 LEVEL
302	JOINT	504	7.58	4.37	117.00	5 LEVEL
303	JOINT	505	-7.58	4.37	117.00	5 LEVEL
304	JOINT	506	0.0	17.49	117.00	5 LEVEL
305	JOINT	507	17.32	-10.00	117.41	5 LEVEL
306	JOINT	508	-17.32	-10.00	117.41	5 LEVEL
307	JOINT	509	0.	19.99	117.41	5 LEVEL
308	JOINT	510	15.15	-8.75	116.99	5 LEVEL
309	JOINT	511	-15.15	-8.75	116.99	5 LEVEL
310	JOINT	512	0.	17.49	116.99	5 LEVEL
311	JOINT	513	17.74	-10.25	11700	5 LEVEL
312	JOINT	514	-17.74	-10.25	11700	5 LEVEL
313	JOINT	515	0.	20.49	11700	5 LEVEL
314	JOINT	601	16.1	-9.25	111.00	BOAT LDG
315	JOINT	603	-16.1	-9.25	111.00	BOAT LDG
316	JOINT	606	0.0	18.50	111.00	BOAT LDG
317	JOINT	611	16.01	-15.25	11100	BOAT LDG
318	JOINT	612	0.	-15.25	11100	BOAT LDG
319	JOINT	613	-16.1	-15.25	11100	BOAT LDG
320	JOINT	621	16.58	-9.75	105.00	MLW
321	JOINT	622	-1.33	-9.75	105.00	MLW
322	JOINT	623	-16.58	-9.75	105.00	MLW
323	JOINT	624	9.80	3.90	105.00	MLW
324	JOINT	625	-7.47	5.85	105.00	MLW
325	JOINT	626	0.00	19.49	105.00	MLW
326	JOINT	651	17.74	-10.25	99.00	BOAT LDG
327	JOINT	653	-17.74	-10.25	99.00	BOAT LDG
328	JOINT	656	0.0	20.49	99.00	BOAT LDG
329	JOINT	661	17.74	-15.25	9900	BOAT LDG
330	JOINT	662	0.0	-15.25	9900	BOAT LDG
331	JOINT	663	-17.74	-15.25	9900	BOAT LDG
332	JOINT	701	18.76	-10.83	92.00	7 LEVEL
333	JOINT	702	0.0	-10.83	92.00	7 LEVEL
334	JOINT	703	-18.76	-10.83	92.00	7 LEVEL
335	JOINT	704	9.38	5.41	92.00	7 LEVEL
336	JOINT	705	-9.38	5.41	92.00	7 LEVEL
337	JOINT	706	0.0	21.66	92.00	7 LEVEL
338	JOINT	707	20.93	-12.08	92.41	7 LEVEL
339	JOINT	708	-20.93	-12.08	92.41	7 LEVEL
340	JOINT	709	0.0	24.16	92.41	7 LEVEL
341	JOINT	710	18.76	-10.83	91.99	7 LEVEL
342	JOINT	711	-18.76	-10.83	91.99	7 LEVEL
343	JOINT	712	0.0	21.66	91.99	7 LEVEL

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     344 JOINT  801    22.79  -13.16   64.00                                    8 LEVEL
     345 JOINT  802     0.0   -13.15   64.00                                    8 LEVEL
     346 JOINT  803   -22.79  -13.16   64.00                                    8 LEVEL
     347 JOINT  804    11.40    6.58   64.00                                    8 LEVEL
     348 JOINT  805   -11.40    6.58   64.00                                    8 LEVEL
     349 JOINT  806     0.0    26.32   64.00                                    8 LEVEL
     350 JOINT  807    24.96  -14.41   64.41                                    8 LEVEL
     351 JOINT  808   -24.96  -14.41   64.41                                    8 LEVEL
     352 JOINT  809     0.0    28.82   64.41                                    8 LEVEL
     353 JOINT  810    22.79  -13.16   63.99                                    8 LEVEL
     354 JOINT  811   -22.79  -13.16   63.99                                    8 LEVEL
     355 JOINT  812     0.0    26.32   63.99                                    8 LEVEL
     356 JOINT  901    27.42  -15.83   32.00                                    9 LEVEL
     357 JOINT  902     0.0   -15.83   32.00                                    9 LEVEL
     358 JOINT  903   -27.42  -15.83   32.00                                    9 LEVEL
     359 JOINT  904    13.71    7.91   32.00                                    9 LEVEL
     360 JOINT  905   -13.71    7.91   32.00                                    9 LEVEL
     361 JOINT  906     0.0    31.66   32.00                                    9 LEVEL
     362 JOINT  907    29.59  -17.08   32.41                                    9 LEVEL
     363 JOINT  908   -29.59  -17.08   32.41                                    9 LEVEL
     364 JOINT  909     0.0    34.16   32.41                                    9 LEVEL
     365 JOINT  910    27.42  -15.83   31.99                                    9 LEVEL
     366 JOINT  911   -27.42  -15.83   31.99                                    9 LEVEL
     367 JOINT  912     0.0    31.66   31.99                                    9 LEVEL
     368 JOINT 1001    32.04  -18.50    0.0                                     MUDLINE
     369 JOINT 1002     0.0   -18.50    0.0                                     MUDLINE
     370 JOINT 1003   -32.04  -18.50    0.0                                     MUDLINE
     371 JOINT 1004    16.02    9.25    0.0                                     MUDLINE
     372 JOINT 1005   -16.02    9.25    0.0                                     MUDLINE
     373 JOINT 1006     0.0    37.00    0.0                                     MUDLINE
     374 JOINT 1007    34.21  -19.75    0.41                                    MUDLINE
     375 JOINT 1008   -34.21  -19.75    0.41                                    MUDLINE
     376 JOINT 1009     0.0    39.50    0.41                                    MUDLINE
     377 JOINT 1010    32.04  -18.50   -0.01                 111111  MUDLINE
     378 JOINT 1010                                         NONLIN  MUDLINE
     379 JOINT 1010                                1010  910 OBL100  MUDLINE
     380 JOINT 1011   -32.04  -18.50   -0.01                 111111  MUDLINE
     381 JOINT 1011                                         NONLIN  MUDLINE
     382 JOINT 1011                                1011  911 OBL100  MUDLINE
     383 JOINT 1012     0.    37.00   -0.01                 111111  MUDLINE
     384 JOINT 1012                                         NONLIN  MUDLINE
     385 JOINT 1012                                1012  912 OBL100  MUDLINE
     386 LOAD
     387 LOADC   1
     388 LOAD A  513 651    9.27     03    4.37     03          GLOB UNIF    WV 0 1
     389 LOAD Y  513 651    9.27     05    4.37     05          GLOB UNIF    WV 0 1
     390 LOAD A  513 651   13.63     03    4.37     03          GLOB UNIF    WV 0 1
     391 LOAD Y  513 651   13.63     05    4.37     05          GLOB UNIF    WV 0 1
     392 LOAD A  514 653    8.00     04    5.33     03          GLOB UNIF    WV 0 1
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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5		10...15	20...25	30...35	40...45	50...55	60...65	70...75	80
393	LOAD	Y	514 653	8.00	06	5.33	06	GLOB	UNIF	WV 0 1
394	LOAD	X	514 653	11.33	03	3.33	03	GLOB	UNIF	WV 0 1
395	LOAD	Y	514 653	11.33	06	5.33	05	GLOB	UNIF	WV 0 1
396	LOAD	X	514 653	14.67	03	3.33	03	GLOB	UNIF	WV 0 1
397	LOAD	Y	514 653	14.67	05	5.33	05	GLOB	UNIF	WV 0 1
398	LOAD	Y	601 602	0.00	03	17.74	03	GLOB	UNIF	WV 0 1
399	LOAD	Y	602 603	0.00	03	17.74	03	GLOB	UNIF	WV 0 1
400	LOAD	X	611 601	2.93	02	3.07	02	GLOB	UNIF	WV 0 1
401	LOAD	Y	611 601	2.93	04	3.07	03	GLOB	UNIF	WV 0 1
402	LOAD	X	611 601	5.99	02	3.07	02	GLOB	UNIF	WV 0 1
403	LOAD	Y	611 601	5.99	03	3.07	03	GLOB	UNIF	WV 0 1
404	LOAD	X	611 601	9.06	02	3.07	02	GLOB	UNIF	WV 0 1
405	LOAD	Y	611 601	9.06	03	3.07	03	GLOB	UNIF	WV 0 1
406	LOAD	X	612 602	2.31	1	3.23	1	GLOB	UNIF	WV 0 1
407	LOAD	Y	612 602	2.31	02	3.23	02	GLOB	UNIF	WV 0 1
408	LOAD	X	612 602	5.54	1	3.23	1	GLOB	UNIF	WV 0 1
409	LOAD	Y	612 602	5.54	02	3.23	02	GLOB	UNIF	WV 0 1
410	LOAD	X	612 602	8.77	1	3.23	1	GLOB	UNIF	WV 0 1
411	LOAD	Y	612 602	8.77	02	3.23	02	GLOB	UNIF	WV 0 1
412	LOAD	X	613 603	1.79	02	3.44	02	GLOB	UNIF	WV 0 1
413	LOAD	Y	613 603	1.79	04	3.44	04	GLOB	UNIF	WV 0 1
414	LOAD	X	613 603	5.24	02	3.44	02	GLOB	UNIF	WV 0 1
415	LOAD	Y	613 603	5.24	04	3.44	03	GLOB	UNIF	WV 0 1
416	LOAD	X	613 603	8.68	02	3.44	02	GLOB	UNIF	WV 0 1
417	LOAD	Y	613 603	8.68	03	3.44	03	GLOB	UNIF	WV 0 1
418	LOAD	Y	621 622	14.93	02	5.48	02	GLOB	UNIF	WV 0 1
419	LOAD	X	622 703	0.00	1	7.26	1	GLOB	UNIF	WV 0 1
420	LOAD	Y	622 703	0.00	03	7.26	03	GLOB	UNIF	WV 0 1
421	LOAD	Z	622 703	0.00-	1	7.26-	1	GLOB	UNIF	WV 0 1
422	LOAD	X	622 703	7.26	1	7.26	1	GLOB	UNIF	WV 0 1
423	LOAD	Y	622 703	7.26	03	7.26	03	GLOB	UNIF	WV 0 1
424	LOAD	Z	622 703	7.26-	1	7.26-	1	GLOB	UNIF	WV 0 1
425	LOAD	X	622 703	14.51	1	7.26	1	GLOB	UNIF	WV 0 1
426	LOAD	Y	622 703	14.51	03	7.26	02	GLOB	UNIF	WV 0 1
427	LOAD	Z	622 703	14.51-	1	7.26-	1	GLOB	UNIF	WV 0 1
428	LOAD	X	503 625	15.30	1	4.95	1	GLOB	UNIF	WV 0 1
429	LOAD	Y	503 625	15.30	1	4.95	1	GLOB	UNIF	WV 0 1
430	LOAD	Z	503 625	15.30	02	4.95	1	GLOB	UNIF	WV 0 1
431	LOAD	X	625 706	0.00	1	7.31	1	GLOB	UNIF	WV 0 1
432	LOAD	Y	625 706	0.00	02	7.31	1	GLOB	UNIF	WV 0 1
433	LOAD	Z	625 706	0.00	03	7.31	02	GLOB	UNIF	WV 0 1
434	LOAD	X	625 706	7.31	1	7.31	1	GLOB	UNIF	WV 0 1
435	LOAD	Y	625 706	7.31	1	7.31	1	GLOB	UNIF	WV 0 1
436	LOAD	Z	625 706	7.31	02	7.31	02	GLOB	UNIF	WV 0 1
437	LOAD	X	625 706	14.62	1	7.31	1	GLOB	UNIF	WV 0 1
438	LOAD	Y	625 706	14.62	1	7.31	1	GLOB	UNIF	WV 0 1
439	LOAD	Z	625 706	14.62	02	7.31	02	GLOB	UNIF	WV 0 1
440	LOAD	X	506 624	10.80	1	5.45	1	GLOB	UNIF	WV 0 1
441	LOAD	Y	506 624	10.80	1	5.45	1	GLOB	UNIF	WV 0 1

STRAN INPUT DATA

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5	1 1	2 2	3 3	4 4	5 5	6 6	7 7	8
		0....5	0....5	0....5	0....5	0....5	0....5	0....5	0
442	LOAD X	624 701	0.00	05	7.31	02	GLOB UNIF	WV 0 1	
443	LOAD Y	624 701	0.00	02	7.31	02	GLOB UNIF	WV 0 1	
444	LOAD X	624 701	7.31	02	7.31	02	GLOB UNIF	WV 0 1	
445	LOAD Y	624 701	7.31	02	7.31	02	GLOB UNIF	WV 0 1	
446	LOAD X	624 701	14.62	02	7.31	02	GLOB UNIF	WV 0 1	
447	LOAD Y	624 701	14.62	02	7.31	02	GLOB UNIF	WV 0 1	
448	LOAD Z	624 701	14.62		7.31-	1	GLOB UNIF	WV 0 1	
449	LOAD Y	701 702	0.00	1	18.76	1	GLOB UNIF	WV 0 1	
450	LOAD Y	702 703	0.00	1	18.76	1	GLOB UNIF	WV 0 1	
451	LOAD Z	705 706	9.38		9.38	1	GLOB UNIF	WV 0 1	
452	LOAD X	701 704	0.00	1	18.75	1	GLOB UNIF	WV 0 1	
453	LOAD Y	701 704	0.00	1	18.75	1	GLOB UNIF	WV 0 1	
454	LOAD X	704 706	0.00	1	18.76	1	GLOB UNIF	WV 0 1	
455	LOAD Y	704 706	0.00	1	18.76	1	GLOB UNIF	WV 0 1	
456	LOAD Z	704 706	0.00		18.76	1	GLOB UNIF	WV 0 1	
457	LOAD X	702 705	0.00	1	18.75	1	GLOB UNIF	WV 0 1	
458	LOAD Y	702 705	0.00	1	18.75	1	GLOB UNIF	WV 0 1	
459	LOAD Y	704 705	0.00	1	18.76	1	GLOB UNIF	WV 0 1	
460	LOAD X	701 806	0.00	02	18.72	02	GLOB UNIF	WV 0 1	
461	LOAD Y	701 806	0.00	02	18.72	1	GLOB UNIF	WV 0 1	
462	LOAD Z	701 806	0.00	1	18.72	1	GLOB UNIF	WV 0 1	
463	LOAD X	701 806	16.72	02	18.72	1	GLOB UNIF	WV 0 1	
464	LOAD Y	701 806	16.72	1	18.72	1	GLOB UNIF	WV 0 1	
465	LOAD Z	701 806	16.72	1	18.72	1	GLOB UNIF	WV 0 1	
466	LOAD X	701 806	33.44	1	18.72	1	GLOB UNIF	WV 0 1	
467	LOAD Y	701 806	33.44	1	18.72	1	GLOB UNIF	WV 0 1	
468	LOAD Z	701 806	33.44	1	18.72	1	GLOB UNIF	WV 0 1	
469	LOAD Y	703 801	0.00	05	18.72	02	GLOB UNIF	WV 0 1	
470	LOAD Y	703 801	16.72	02	18.72	02	GLOB UNIF	WV 0 1	
471	LOAD Y	703 801	33.44	02	18.72	1	GLOB UNIF	WV 0 1	
472	LOAD Y	706 803	0.00		50.16	1	GLOB UNIF	WV 0 1	
473	LOAD Z	706 803	0.00-	1	50.16-	1	GLOB UNIF	WV 0 1	
474	LOAD Y	801 802	0.00	1	22.79	1	GLOB UNIF	WV 0 1	
475	LOAD Y	802 803	0.00	1	22.79	1	GLOB UNIF	WV 0 1	
476	LOAD X	801 804	0.00	1	22.79	1	GLOB UNIF	WV 0 1	
477	LOAD X	804 806	0.00	1	22.80	1	GLOB UNIF	WV 0 1	
478	LOAD X	802 805	0.00	1	22.80	1	GLOB UNIF	WV 0 1	
479	LOAD Y	804 805	0.00	1	22.80	1	GLOB UNIF	WV 0 1	
480	LOAD Y	801 903	0.00	1	19.87	1	GLOB UNIF	WV 0 1	
481	LOAD Y	801 903	19.87	1	19.87	1	GLOB UNIF	WV 0 1	
482	LOAD Y	801 903	39.73	1	19.87	1	GLOB UNIF	WV 0 1	
483	LOAD X	806 901	0.00	1	19.87	1	GLOB UNIF	WV 0 1	
484	LOAD Y	806 901	0.00	1	19.87	1	GLOB UNIF	WV 0 1	
485	LOAD X	806 901	19.87	1	19.87	1	GLOB UNIF	WV 0 1	
486	LOAD Y	806 901	19.87	1	19.87	1	GLOB UNIF	WV 0 1	
487	LOAD X	806 901	39.74	1	19.87	1	GLOB UNIF	WV 0 1	
488	LOAD Y	806 901	39.74	1	19.87	1	GLOB UNIF	WV 0 1	
489	LOAD Y	901 902	0.00	1	27.42		GLOB UNIF	WV 0 1	
490	LOAD Y	901 902	0.00	1	14.08		GLOB UNIF	WV 0 1	

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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
491	LOAD Y	9031002	0.00		1	14.04					GLOB UNIF		WV 0 1		
492	LOAD Y	10011002	0.00		1	16.02					GLOB UNIF		WV 0 1		
493	LOAD X	601 621	3.66		05	3.05		04			GLOB UNIF		WV 0 1		
494	LOAD Y	601 621	3.66		08	3.05		08			GLOB UNIF		WV 0 1		
495	LOAD X	603 623	2.30		04	4.41		04			GLOB UNIF		WV 0 1		
496	LOAD Y	603 623	2.30		07	4.41		07			GLOB UNIF		WV 0 1		
497	LOAD Z	603 623	2.30-		04	4.41-		03			GLOB UNIF		WV 0 1		
498	LOAD X	606 626	5.16		04	1.54		04			GLOB UNIF		WV 0		
499	LOAD Y	606 626	5.16		07	1.54		07			GLOB UNIF		WV . 1		
500	LOAD Z	606 626	5.16		03	1.54		03			GLOB UNIF		WV 0 1		
501	LOAD X	621 651	0.00		09	3.04		08			GLOB UNIF		WV 0 1		
502	LOAD Y	621 651	0.00		14	3.04		14			GLOB UNIF		WV 0 1		
503	LOAD X	621 651	3.04		08	3.04		08			GLOB UNIF		WV 0 1		
504	LOAD Y	621 651	3.04		14	3.04		13			GLOB UNIF		WV 0 1		
505	LOAD X	623 653	0.00		07	3.04		06			GLOB UNIF		WV 0 1		
506	LOAD Y	623 653	0.00		14	3.04		13			GLOB UNIF		WV 0 1		
507	LOAD Z	623 653	0.00		02	3.04		02			GLOB UNIF		WV 0 1		
508	LOAD X	623 653	3.04		08	3.04		06			GLOB UNIF		WV 0 1		
509	LOAD Y	623 653	3.04		13	3.04		12			GLOB UNIF		WV 0 1		
510	LOAD Z	623 653	3.04		02	3.04		02			GLOB UNIF		WV 0 1		
511	LOAD X	626 656	0.00		08	3.04		07			GLOB UNIF		WV 0 1		
512	LOAD Y	626 656	0.00		13	3.04		12			GLOB UNIF		WV 0 1		
513	LOAD Z	626 656	0.00-		02	3.04-		02			GLOB UNIF		WV 0 1		
514	LOAD X	626 656	3.04		07	3.04		07			GLOB UNIF		WV 0 1		
515	LOAD Y	626 656	3.04		12	3.04		11			GLOB UNIF		WV 0 1		
516	LOAD Z	626 656	3.04-		02	3.04-		02			GLOB UNIF		WV 0 1		
517	LOAD X	651 701	0.00		07	3.55		07			GLOB UNIF		WV 0 1		
518	LOAD Y	651 701	0.00		13	3.55		12			GLOB UNIF		WV 0 1		
519	LOAD X	651 701	3.55		07	3.55		06			GLOB UNIF		WV 0 1		
520	LOAD Y	651 701	3.55		12	3.55		11			GLOB UNIF		WV 0 1		
521	LOAD X	656 706	0.00		07	3.55		07			GLOB UNIF		WV 0 1		
522	LOAD Y	656 706	0.00		12	3.55		11			GLOB UNIF		WV 0 1		
523	LOAD Z	656 706	0.00		02	3.55		02			GLOB UNIF		WV 0 1		
524	LOAD X	656 706	3.55		07	3.55		06			GLOB UNIF		WV 0 1		
525	LOAD Y	656 706	3.55		11	3.55		11			GLOB UNIF		WV 0 1		
526	LOAD Z	656 706	3.55		02	3.55		02			GLOB UNIF		WV 0 1		
527	LOAD X	653 703	0.00		07	3.55		07			GLOB UNIF		WV 0 1		
528	LOAD Y	653 703	0.00		12	3.55		11			GLOB UNIF		WV 0 1		
529	LOAD Z	653 703	0.00-		02	3.55-		02			GLOB UNIF		WV 0 1		
530	LOAD X	653 703	3.55		07	3.55		06			GLOB UNIF		WV 0 1		
531	LOAD Y	653 703	3.55		11	3.55		10			GLOB UNIF		WV 0 1		
532	LOAD Z	653 703	3.55-		02	3.55-		02			GLOB UNIF		WV 0 1		
533	LOAD X	701 801	0.00		08	9.46		05			GLOB UNIF		WV 0 1		
534	LOAD Y	701 801	0.00		11	9.46		09			GLOB UNIF		WV 0 1		
535	LOAD X	701 801	9.46		05	9.46		04			GLOB UNIF		WV 0 1		
536	LOAD Y	701 801	9.46		09	9.46		07			GLOB UNIF		WV 0 1		
537	LOAD X	701 801	18.92		04	9.46		03			GLOB UNIF		WV 0 1		
538	LOAD Y	701 801	18.92		07	9.46		06			GLOB UNIF		WV 0 1		
539	LOAD X	703 803	0.00		06	9.46		05			GLOB UNIF		WV 0 1		

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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0																			
540	LOAD	Y	703	803	0.00		10	9.46		08			GLOB	UNIF		WV	0	1
541	LOAD	Z	703	803	0.00-		02	9.46-		1			GLOB	UNIF		WV	0	1
542	LOAD	X	703	803	9.46		05	9.46		04			GLOB	UNIF		WV	0	1
543	LOAD	Y	703	803	9.46		08	9.46		06			GLOB	UNIF		WV	0	1
544	LOAD	Z	703	803	9.46-		1	9.46-		1			GLOB	UNIF		WV	0	1
545	LOAD	X	703	803	18.92		04	9.46		03			GLOB	UNIF		WV	0	1
546	LOAD	Y	703	803	18.92		06	9.46		05			GLOB	UNIF		WV	0	1
547	LOAD	Z	703	803	18.92-		1	9.46-		1			GLOB	UNIF		WV	0	1
548	LOAD	X	706	806	0.00		06	9.46		05			GLOB	UNIF		WV	0	1
549	LOAD	Y	706	806	0.00		10	9.46		08			GLOB	UNIF		WV	0	1
550	LOAD	Z	706	806	0.00		02	9.46		1			GLOB	UNIF		WV	0	1
551	LOAD	X	706	806	9.46		05	9.46		04			GLOB	UNIF		WV	0	1
552	LOAD	Y	706	806	9.46		08	9.46		07			GLOB	UNIF		WV	0	1
553	LOAD	Z	706	806	9.46		1	9.46		1			GLOB	UNIF		WV	0	1
554	LOAD	X	706	806	18.92		04	9.46		03			GLOB	UNIF		WV	0	1
555	LOAD	Y	706	806	18.92		07	9.46		06			GLOB	UNIF		WV	0	1
556	LOAD	Z	706	806	18.92		1	9.46		1			GLOB	UNIF		WV	0	1
557	LOAD	X	801	901	0.00		05	10.81		03			GLOB	UNIF		WV	0	1
558	LOAD	Y	801	901	0.00		06	10.81		05			GLOB	UNIF		WV	0	1
559	LOAD	X	801	901	10.81		05	10.81		02			GLOB	UNIF		WV	0	1
560	LOAD	Y	801	901	10.81		05	10.81		04			GLOB	UNIF		WV	0	1
561	LOAD	X	801	901	21.63		02	10.81		02			GLOB	UNIF		WV	0	1
562	LOAD	Y	801	901	21.63		04	10.81		03			GLOB	UNIF		WV	0	1
563	LOAD	X	803	903	0.00		03	10.81		03			GLOB	UNIF		WV	0	1
564	LOAD	Y	803	903	0.00		05	10.81		04			GLOB	UNIF		WV	0	1
565	LOAD	Z	803	903	0.00-		1	10.81-		1			GLOB	UNIF		WV	0	1
566	LOAD	X	803	903	10.81		03	10.81		02			GLOB	UNIF		WV	0	1
567	LOAD	Y	803	903	10.81		04	10.81		03			GLOB	UNIF		WV	0	1
568	LOAD	Z	803	903	10.81-		1	10.81-		1			GLOB	UNIF		WV	0	1
569	LOAD	X	803	903	21.63		02	10.81		02			GLOB	UNIF		WV	0	1
570	LOAD	Y	803	903	21.63		03	10.81		03			GLOB	UNIF		WV	0	1
571	LOAD	Z	803	903	21.63-		1	10.81					GLOB	UNIF		WV	0	1
572	LOAD	X	806	906	0.00		03	10.81		03			GLOB	UNIF		WV	0	1
573	LOAD	Y	806	906	0.00		06	10.81		05			GLOB	UNIF		WV	0	1
574	LOAD	Z	806	906	0.00		1	10.81		1			GLOB	UNIF		WV	0	1
575	LOAD	X	806	906	10.81		03	10.81		02			GLOB	UNIF		WV	0	1
576	LOAD	Y	806	906	10.81		05	10.81		04			GLOB	UNIF		WV	0	1
577	LOAD	Z	806	906	10.81		1	10.81		1			GLOB	UNIF		WV	0	1
578	LOAD	X	806	906	21.63		02	10.81		02			GLOB	UNIF		WV	0	1
579	LOAD	Y	806	906	21.63		04	10.81		03			GLOB	UNIF		WV	0	1
580	LOAD	Z	806	906	21.63		1	10.81					GLOB	UNIF		WV	0	1
581	LOAD	X	9011	001	0.00		02	10.81		02			GLOB	UNIF		WV	0	1
582	LOAD	Y	9011	001	0.00		03	10.81		03			GLOB	UNIF		WV	0	1
583	LOAD	X	9011	001	10.81		02	10.81		1			GLOB	UNIF		WV	0	1
584	LOAD	Y	9011	001	10.81		03	10.81		03			GLOB	UNIF		WV	0	1
585	LOAD	X	9011	001	21.63		1	10.81		1			GLOB	UNIF		WV	0	1
586	LOAD	Y	9011	001	21.63		03	10.81		03			GLOB	UNIF		WV	0	1
587	LOAD	X	9031	003	0.00		02	10.81		1			GLOB	UNIF		WV	0	1
588	LOAD	Y	9031	003	0.00		03	10.81		02			GLOB	UNIF		WV	0	1

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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
     589 LOAD X  9031003   10.81      1  10.81      1                    GLOB UNIF     WV 0 1
     590 LOAD Y  9031003   10.81     02  10.81     02                    GLOB UNIF     WV 0 1
     591 LOAD X  9031003   21.63      1  10.81      1                    GLOB UNIF     WV 0 1
     592 LOAD Y  9031003   21.63     02  10.81     02                    GLOB UNIF     WV 0 1
     593 LOAD X  9061006    0.00     02  10.81     02                    GLOB UNIF     WV 0 1
     594 LOAD Y  9061006    0.00     03  10.81     03                    GLOB UNIF     WV 0 1
     595 LOAD X  9061006   10.81     02  10.81      1                    GLOB UNIF     WV 0 1
     596 LOAD Y  9061006   10.81     03  10.81     02                    GLOB UNIF     WV 0 1
     597 LOAD X  9061006   21.63      1  10.81      1                    GLOB UNIF     WV 0 1
     598 LOAD Y  9061006   21.63     02  10.81     02                    GLOB UNIF     WV 0 1
     599 LOADCN  2
     600 LOAD X  513 651   10.76-    03   3.62-    02                    GLOB UNIF     WV 0 2
     601 LOAD Y  513 651   10.76-    05   3.62-    04                    GLOB UNIF     WV 0 2
     602 LOAD X  513 651   14.38-    02   3.62-    02                    GLOB UNIF     WV 0 2
     603 LOAD Y  513 651   14.38-    04   3.62-    04                    GLOB UNIF     WV 0 2
     604 LOAD X  514 653   11.94-    02   3.03-    02                    GLOB UNIF     WV 0 2
     605 LOAD Y  514 653   11.94-    04   3.03-    04                    GLOB UNIF     WV 0 2
     606 LOAD X  514 653   14.97-    02   3.03-    02                    GLOB UNIF     WV 0 2
     607 LOAD Y  514 653   14.97-    04   3.03-    04                    GLOB UNIF     WV 0 2
     608 LOAD Y  601 602    0.00-    02  17.74-    02                    GLOB UNIF     WV 0 2
     609 LOAD Y  602 603    0.00-    02  17.74-    02                    GLOB UNIF     WV 0 2
     610 LOAD Z  602 603    0.00        17.74      1                    GLOB UNIF     WV 0 2
     611 LOAD X  611 601    5.16-     1   3.48-     1                    GLOB UNIF     WV 0 2
     612 LOAD Y  611 601    5.16-    03   3.48-    02                    GLOB UNIF     WV 0 2
     613 LOAD X  611 601    8.64-     1   3.48-     1                    GLOB UNIF     WV 0 2
     614 LOAD Y  611 601    8.64-    02   3.48-    02                    GLOB UNIF     WV 0 2
     615 LOAD X  612 602    5.66-     1   3.17-     1                    GLOB UNIF     WV 0 2
     616 LOAD Y  612 602    5.66-     1   3.17-     1                    GLOB UNIF     WV 0 2
     617 LOAD X  612 602    8.83-     1   3.17                           GLOB UNIF     WV 0 2
     618 LOAD Y  612 602    8.83-     1   3.17-     1                    GLOB UNIF     WV 0 2
     619 LOAD X  613 603    6.23-     1   2.95-     1                    GLOB UNIF     WV 0 2
     620 LOAD Y  613 603    6.23-    02   2.95-    02                    GLOB UNIF     WV 0 2
     621 LOAD X  613 603    9.18-     1   2.95-     1                    GLOB UNIF     WV 0 2
     622 LOAD Y  613 603    9.18-    02   2.95-    02                    GLOB UNIF     WV 0 2
     623 LOAD Y  501 622   19.33-     1   1.08-     1                    GLOB UNIF     WV 0 2
     624 LOAD Y  622 703    0.00-    02   7.26-    02                    GLOB UNIF     WV 0 2
     625 LOAD Z  622 703    0.00      1   7.26      1                    GLOB UNIF     WV 0 2
     626 LOAD X  622 703    7.26         7.26-     1                    GLOB UNIF     WV 0 2
     627 LOAD Y  622 703    7.26-    02   7.26-    02                    GLOB UNIF     WV 0 2
     628 LOAD Z  622 703    7.26      1   7.26      1                    GLOB UNIF     WV 0 2
     629 LOAD X  622 703   14.51-     1   7.26-     1                    GLOB UNIF     WV 0 2
     630 LOAD Y  622 703   14.51-    02   7.26-    02                    GLOB UNIF     WV 0 2
     631 LOAD Z  622 703   14.51      1   7.26      1                    GLOB UNIF     WV 0 2
     632 LOAD Z  503 625   10.22-     1   2.04-     1                    GLOB UNIF     WV 0 2
     633 LOAD X  625 706    0.00-     1  21.93-     1                    GLOB UNIF     WV 0 2
     634 LOAD Y  625 706    0.00-     1  21.93-     1                    GLOB UNIF     WV 0 2
     635 LOAD Z  625 706    0.00-    02  21.93-     1                    GLOB UNIF     WV 0 2
     636 LOAD X  506 624   17.03-     1   3.21-     1                    GLOB UNIF     WV 0 2
     637 LOAD X  624 701    0.00-    02   7.31-    02                    GLOB UNIF     WV 0 2
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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	I		1 1	2 2	3 3	4 4	5 5	6 6	7 7	8
			0....5....0....5....0....5....0....5....0....5....0....5....0....5....0							
638	LOAD	Y	624 701	0.00-	1	7.31-	1	GLOB UNIF	WV 0 2	
639	LOAD	X	624 701	7.31-	02	7.31-	02	GLOB UNIF	WV 0 2	
640	LOAD	Y	624 701	7.31-	1	7.31-	1	GLOB UNIF	WV 0 2	
641	LOAD	X	624 701	14.62-	02	7.31-	1	GLOB UNIF	WV 0 2	
642	LOAD	Y	624 701	14.62-	1	7.31-	1	GLOB UNIF	WV 0 2	
643	LOAD	Y	701 702	0.00-	1	18.76-	1	GLOB UNIF	WV 0 2	
644	LOAD	Y	702 703	0.00-	1	18.76-	1	GLOB UNIF	WV 0 2	
645	LOAD	Z	705 706	0.00		18.76-	1	GLOB UNIF	WV 0 2	
646	LOAD	X	701 704	0.00-	1	18.75		GLOB UNIF	WV 0 2	
647	LOAD	Z	701 704	0.00		18.75-	1	GLOB UNIF	WV 0 2	
648	LOAD	Z	704 706	0.00-	1	18.76-	1	GLOB UNIF	WV 0 2	
649	LOAD	Z	702 704	12.50		6.25-	1	GLOB UNIF	WV 0 2	
650	LOAD	X	702 705	0.00-	1	18.75-	1	GLOB UNIF	WV 0 2	
651	LOAD	Y	704 705	0.00-	1	18.76-	1	GLOB UNIF	WV 0 2	
652	LOAD	Z	704 705	0.00-	1	18.76		GLOB UNIF	WV 0 2	
653	LOAD	X	701 806	0.00-	1	16.72-	1	GLOB UNIF	WV 0 2	
654	LOAD	Y	701 806	0.00-	1	16.72-	1	GLOB UNIF	WV 0 2	
655	LOAD	Z	701 806	0.00-	1	16.72-	1	GLOB UNIF	WV 0 2	
656	LOAD	X	701 806	16.72-	1	16.72-	1	GLOB UNIF	WV 0 2	
657	LOAD	Y	701 806	16.72-	1	16.72-	1	GLOB UNIF	WV 0 2	
658	LOAD	Z	701 806	16.72-	1	16.72-	1	GLOB UNIF	WV 0 2	
659	LOAD	X	701 806	33.44-	1	16.72-	1	GLOB UNIF	WV 0 2	
660	LOAD	Y	701 806	33.44-	1	16.72-	1	GLOB UNIF	WV 0 2	
661	LOAD	Z	701 806	33.44-	1	16.72-	1	GLOB UNIF	WV 0 2	
662	LOAD	Y	703 801	0.00-	02	16.72-	1	GLOB UNIF	WV 0 2	
663	LOAD	Y	703 801	16.72-	1	16.72-	1	GLOB UNIF	WV 0 2	
664	LOAD	Y	703 801	33.44-	1	16.72-	1	GLOB UNIF	WV 0 2	
665	LOAD	Z	706 803	16.72		16.72	1	GLOB UNIF	WV 0 2	
666	LOAD	Z	706 803	33.44	1	16.72	1	GLOB UNIF	WV 0 2	
667	LOAD	Y	801 903	0.00-	1	19.87-	1	GLOB UNIF	WV 0 2	
668	LOAD	Y	801 903	19.87-	1	19.87-	1	GLOB UNIF	WV 0 2	
669	LOAD	Y	801 903	39.73-	1	19.87		GLOB UNIF	WV 0 2	
670	LOAD	X	806 901	0.00-	1	19.87-	1	GLOB UNIF	WV 0 2	
671	LOAD	X	806 901	19.87-	1	19.87-	1	GLOB UNIF	WV 0 2	
672	LOAD	X	806 901	39.74-	1	19.87		GLOB UNIF	WV 0 2	
673	LOAD	Y	10011002	0.00-	1	16.02		GLOB UNIF	WV 0 2	
674	LOAD	X	601 621	5.33-	04	1.38-	03	GLOB UNIF	WV 0 2	
675	LOAD	Y	601 621	5.33-	06	1.38-	06	GLOB UNIF	WV 0 2	
676	LOAD	X	603 623	6.70-	03	.01-	03	GLOB UNIF	WV 0 2	
677	LOAD	Y	603 623	6.70-	06	.01-	06	GLOB UNIF	WV 0 2	
678	LOAD	Z	603 623	6.70	03	.01	03	GLOB UNIF	WV 0 2	
679	LOAD	X	606 626	3.86-	04	2.84-	03	GLOB UNIF	WV 0 2	
680	LOAD	Y	606 626	3.86-	06	2.84-	06	GLOB UNIF	WV 0 2	
681	LOAD	Z	606 626	3.86-	03	2.84-	03	GLOB UNIF	WV 0 2	
682	LOAD	X	621 651	0.00-	08	3.04-	07	GLOB UNIF	WV 0 2	
683	LOAD	Y	621 651	0.00-	13	3.04-	12	GLOB UNIF	WV 0 2	
684	LOAD	X	621 651	3.04-	07	3.04-	07	GLOB UNIF	WV 0 2	
685	LOAD	Y	621 651	3.04-	12	3.04-	11	GLOB UNIF	WV 0 2	
686	LOAD	X	623 653	0.00-	05	3.04-	05	GLOB UNIF	WV 0 2	

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LINE NO.	1	2	3	4	5	6	7	8
687	LOAD Y	623 653	0.00-	11	3.04-	10	GLOB UNIF	WV 0 2
688	LOAD Z	623 653	0.00-	02	3.04-	02	GLOB UNIF	WV 0 2
689	LOAD X	623 653	3.04-	05	3.04-	05	GLOB UNIF	WV 0 2
690	LOAD Y	623 653	3.04-	10	3.04-	09	GLOB UNIF	WV 0 2
691	LOAD Z	623 653	3.04-	02	3.04-	1	GLOB UNIF	WV 0 2
692	LOAD X	626 656	0.00-	07	3.04-	06	GLOB UNIF	WV 0 2
693	LOAD Y	626 656	0.00-	10	3.04-	10	GLOB UNIF	WV 0 2
694	LOAD Z	626 656	0.00	02	3.04	02	GLOB UNIF	WV 0 2
695	LOAD X	626 656	3.04-	06	3.04-	06	GLOB UNIF	WV 0 2
696	LOAD Y	626 656	3.04-	10	3.04-	09	GLOB UNIF	WV 0 2
697	LOAD Z	626 656	3.04	02	3.04	1	GLOB UNIF	WV 0 2
698	LOAD X	651 701	0.00-	06	3.55-	06	GLOB UNIF	WV 0 2
699	LOAD Y	651 701	0.00-	11	3.55-	11	GLOB UNIF	WV 0 2
700	LOAD X	651 701	3.55-	06	3.55-	05	GLOB UNIF	WV 0 2
701	LOAD Y	651 701	3.55-	11	3.55-	10	GLOB UNIF	WV 0 2
702	LOAD X	656 706	0.00-	06	3.55-	06	GLOB UNIF	WV 0 2
703	LOAD Y	656 706	0.00-	11	3.55-	10	GLOB UNIF	WV 0 2
704	LOAD Z	656 706	0.00-	02	3.55-	02	GLOB UNIF	WV 0 2
705	LOAD X	656 706	3.55-	06	3.55-	05	GLOB UNIF	WV 0 2
706	LOAD Y	656 706	3.55-	10	3.55-	09	GLOB UNIF	WV 0 2
707	LOAD Z	656 706	3.55-	02	3.55-	02	GLOB UNIF	WV 0 2
708	LOAD X	653 703	0.00-	07	3.55-	06	GLOB UNIF	WV 0 2
709	LOAD Y	653 703	0.00-	10	3.55-	10	GLOB UNIF	WV 0 2
710	LOAD Z	653 703	0.00	02	3.55	02	GLOB UNIF	WV 0 2
711	LOAD X	653 703	3.55-	06	3.55-	06	GLOB UNIF	WV 0 2
712	LOAD Y	653 703	3.55-	10	3.55-	09	GLOB UNIF	WV 0 2
713	LOAD Z	653 703	3.55	02	3.55	02	GLOB UNIF	WV 0 2
714	LOAD X	701 801	0.00-	05	9.46-	04	GLOB UNIF	WV 0 2
715	LOAD Y	701 801	0.00-	09	9.46-	08	GLOB UNIF	WV 0 2
716	LOAD X	701 801	9.46-	04	9.46-	04	GLOB UNIF	WV 0 2
717	LOAD Y	701 801	9.46-	08	9.46-	06	GLOB UNIF	WV 0 2
718	LOAD X	701 801	18.92-	04	9.46-	03	GLOB UNIF	WV 0 2
719	LOAD Y	701 801	18.92-	08	9.46-	05	GLOB UNIF	WV 0 2
720	LOAD X	703 803	0.00-	05	9.46-	04	GLOB UNIF	WV 0 2
721	LOAD Y	703 803	0.00-	09	9.46-	07	GLOB UNIF	WV 0 2
722	LOAD Z	703 803	0.00	1	9.46	1	GLOB UNIF	WV 0 2
723	LOAD X	703 803	9.46-	04	9.46-	04	GLOB UNIF	WV 0 2
724	LOAD Y	703 803	9.46-	07	9.46-	06	GLOB UNIF	WV 0 2
725	LOAD Z	703 803	9.46	1	9.46	1	GLOB UNIF	WV 0 2
726	LOAD X	703 803	18.92-	04	9.46-	03	GLOB UNIF	WV 0 2
727	LOAD Y	703 803	18.92-	08	9.46-	05	GLOB UNIF	WV 0 2
728	LOAD Z	703 803	18.92	1	9.46	1	GLOB UNIF	WV 0 2
729	LOAD X	706 806	0.00-	05	9.46-	04	GLOB UNIF	WV 0 2
730	LOAD Y	706 806	0.00-	09	9.46-	07	GLOB UNIF	WV 0 2
731	LOAD Z	706 806	0.00-	1	9.46-	1	GLOB UNIF	WV 0 2
732	LOAD X	706 806	9.46-	04	9.46-	03	GLOB UNIF	WV 0 2
733	LOAD Y	706 806	9.46-	07	9.46-	06	GLOB UNIF	WV 0 2
734	LOAD Z	706 806	9.46-	1	9.46-	1	GLOB UNIF	WV 0 2
735	LOAD X	706 806	18.92-	03	9.46-	03	GLOB UNIF	WV 0 2

```
                    1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0

  736 LOAD Y  706 806   18.92-    06   9.46-    05          GLOB UNIF    MV 0 2
  737 LOAD Z  706 806   18.92-     1   9.46-     1          GLOB UNIF    MV 0 2
  738 LOAD X  801 901    0.00-    03  10.81-    02          GLOB UNIF    MV 0 2
  739 LOAD Y  801 901    0.00-    05  10.81-    04          GLOB UNIF    MV 0 2
  740 LOAD X  801 901   10.81-    02  10.81-    02          GLOB UNIF    MV 0 2
  741 LOAD Y  801 901   10.81-    04  10.81-    04          GLOB UNIF    MV 0 2
  742 LOAD X  801 901   21.63-    02  10.81-    02          GLOB UNIF    MV 0 2
  743 LOAD Y  801 901   21.63-    04  10.81-    03          GLOB UNIF    MV 0 2
  744 LOAD X  803 903    0.00-    03  10.81-    02          GLOB UNIF    MV 0 2
  745 LOAD Y  803 903    0.00-    05  10.81-    04          GLOB UNIF    MV 0 2
  746 LOAD Z  803 903    0.00      1  10.81      1          GLOB UNIF    MV 0 2
  747 LOAD X  803 903   10.81      2  10.81-    02          GLOB UNIF    MV 0 2
  748 LOAD Y  803 903   10.81-    04  10.81-    03          GLOB UNIF    MV 0 2
  749 LOAD Z  803 903   10.81      1  10.81                 GLOB UNIF    MV 0 2
  750 LOAD X  803 903   21.63-    02  10.81-    02          GLOB UNIF    MV 0 2
  751 LOAD Y  803 903   21.63-    03  10.81-    02          GLOB UNIF    MV 0 2
  752 LOAD X  806 906    0.00-    03  10.81-    02          GLOB UNIF    MV 0 2
  753 LOAD Y  806 906    0.00-    05  10.81-    04          GLOB UNIF    MV 0 2
  754 LOAD Z  806 906    0.00-     1  10.81-     1          GLOB UNIF    MV 0 2
  755 LOAD X  806 906   10.81-    02  10.81-    02          GLOB UNIF    MV 0 2
  756 LOAD Y  806 906   10.81-    04  10.81-    03          GLOB UNIF    MV 0 2
  757 LOAD Z  806 906   10.81-     1  10.81-     1          GLOB UNIF    MV 0 2
  758 LOAD X  806 906   21.63-    02  10.81-    02          GLOB UNIF    MV 0 2
  759 LOAD Y  806 906   21.63-    03  10.81-    03          GLOB UNIF    MV 0 2
  760 LOAD Z  806 906   21.63-     1  10.81                 GLOB UNIF    MV 0 2
  761 LOAD X 9011001    0.00-    02  10.81-    02          GLOB UNIF    MV 0 2
  762 LOAD Y 9011001    0.00-    03  10.81-    03          GLOB UNIF    MV 0 2
  763 LOAD X 9011001   10.81-    02  10.81-     1          GLOB UNIF    MV 0 2
  764 LOAD Y 9011001   10.81-    03  10.81-    03          GLOB UNIF    MV 0 2
  765 LOAD X 9011001   21.63-     1  10.81-     1          GLOB UNIF    MV 0 2
  766 LOAD Y 9011001   21.63-    03  10.81-    03          GLOB UNIF    MV 0 2
  767 LOAD X 9031003    0.00-    02  10.81-     1          GLOB UNIF    MV 0 2
  768 LOAD Y 9031003    0.00-    02  10.81-    02          GLOB UNIF    MV 0 2
  769 LOAD X 9031003   10.81-     1  10.81-     1          GLOB UNIF    MV 0 2
  770 LOAD Y 9031003   10.81-    02  10.81-    02          GLOB UNIF    MV 0 2
  771 LOAD X 9031003   21.63-     1  10.81-     1          GLOB UNIF    MV 0 2
  772 LOAD Y 9031003   21.63-    02  10.81-    02          GLOB UNIF    MV 0 2
  773 LOAD X 9061006    0.00-    02  10.81-     1          GLOB UNIF    MV 0 2
  774 LOAD Y 9061006    0.00-    03  10.81-    02          GLOB UNIF    MV 0 2
  775 LOAD X 9061006   10.81-     1  10.81-     1          GLOB UNIF    MV 0 2
  776 LOAD Y 9061006   10.81-    02  10.81-    02          GLOB UNIF    MV 0 2
  777 LOAD X 9061006   21.63-     1  10.81-     1          GLOB UNIF    MV 0 2
  778 LOAD Y 9061006   21.63-    02  10.81-    02          GLOB UNIF    MV 0-2
  779 LOADCN    3
  780 LOAD X  513 651    3.71     09   4.76     08          GLOB UNIF    MV 0 1
  781 LOAD Y  513 651    3.71     16   4.76     14          GLOB UNIF    MV 0 1
  782 LOAD X  513 651    8.47     08   4.76     08          GLOB UNIF    MV 0 1
  783 LOAD Y  513 651    8.47     14   4.76     13          GLOB UNIF    MV 0 1
  784 LOAD X  513 651   13.24     08   4.76     07          GLOB UNIF    MV 0 1
```

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
785	LOAD Y 513 651	13.28	13	4.76	12					GLOB UNIF		WV 0 1			
786	LOAD X 514 653	1.69	11	5.44	04					GLOB UNIF		WV 0 1			
787	LOAD Y 514 653	1.69	16	5.44	16					GLOB UNIF		WV 0 1			
788	LOAD X 514 654	7.13	09	5.44	08					GLOB UNIF		WV 0 1			
789	LOAD Y 514 653	7.13	16	5.44	14					GLOB UNIF		WV 0 1			
790	LOAD X 514 654	12.56	08	5.44	07					GLOB UNIF		WV 0 1			
791	LOAD Y 514 653	12.56	14	5.44	13					GLOB UNIF		WV 0 1			
792	LOAD X 501 611	0.00	02	6.00	02					GLOB UNIF		WV 0 1			
793	LOAD Z 501 611	0.00	1	6.00	1					GLOB UNIF		WV 0 1			
794	LOAD X 603 613	0.00	02	6.00	02					GLOB UNIF		WV 0 1			
795	LOAD X 651 661	0.00	1	5.00	1					GLOB UNIF		WV 0 1			
796	LOAD Z 651 661	0.00	1	5.00	1					GLOB UNIF		WV 0 1			
797	LOAD X 653 663	0.00	1	5.00	1					GLOB UNIF		WV 0 1			
798	LOAD Y 611 612	0.00	04	16.01	04					GLOB UNIF		WV 0 1			
799	LOAD Z 611 612	0.00	02	16.01	1					GLOB UNIF		WV 0 1			
800	LOAD Y 612 613	0.00	04	16.01	04					GLOB UNIF		WV 0 1			
801	LOAD Z 612 613	0.00	1	16.01	1					GLOB UNIF		WV 0 1			
802	LOAD Y 661 662	0.00	07	17.74	07					GLOB UNIF		WV 0 1			
803	LOAD Z 661 662	0.00	1	13.60						GLOB UNIF		WV 0 1			
804	LOAD Y 662 663	0.00	07	17.74	07					GLOB UNIF		WV 0 1			
805	LOAD Z 662 663	0.00		17.74-	1					GLOB UNIF		WV 0 1			
806	LOAD X 611 661	0.00	06	4.04	06					GLOB UNIF		WV 0 1			
807	LOAD Y 611 661	0.00	11	4.04	10					GLOB UNIF		WV 0 1			
808	LOAD Z 611 661	0.00	1	4.04	1					GLOB UNIF		WV 0 1			
809	LOAD X 611 661	4.04	06	4.04	05					GLOB UNIF		WV 0 1			
810	LOAD Y 611 661	4.04	10	4.04	09					GLOB UNIF		WV 0 1			
811	LOAD Z 611 661	4.04	1	4.04	1					GLOB UNIF		WV 0 1			
812	LOAD X 611 661	8.08	05	4.04	05					GLOB UNIF		WV 0 1			
813	LOAD Y 611 661	8.08	09	4.04	08					GLOB UNIF		WV 0 1			
814	LOAD Z 611 661	8.08	1	4.04	1					GLOB UNIF		WV 0 1			
815	LOAD X 612 662	0.00	04	4.00	04					GLOB UNIF		WV 0 1			
816	LOAD Y 612 662	0.00	07	4.00	06					GLOB UNIF		WV 0 1			
817	LOAD X 612 662	4.00	04	4.00	03					GLOB UNIF		WV 0 1			
818	LOAD Y 612 662	4.00	06	4.00	05					GLOB UNIF		WV 0 1			
819	LOAD X 612 662	8.00	03	4.00	03					GLOB UNIF		WV 0 1			
820	LOAD Y 612 662	8.00	05	4.00	05					GLOB UNIF		WV 0 1			
821	LOAD X 613 663	0.00	07	4.04	06					GLOB UNIF		WV 0 1			
822	LOAD Y 613 663	0.00	11	4.04	10					GLOB UNIF		WV 0 1			
823	LOAD Z 613 663	0.00-	1	4.04-	1					GLOB UNIF		WV 0 1			
824	LOAD X 613 663	4.04	06	4.04	06					GLOB UNIF		WV 0 1			
825	LOAD Y 613 663	4.04	10	4.04	09					GLOB UNIF		WV 0 1			
826	LOAD Z 613 663	4.04-	1	4.04-	1					GLOB UNIF		WV 0 1			
827	LOAD X 613 663	8.08	06	4.04	05					GLOB UNIF		WV 0 1			
828	LOAD Y 613 663	8.08	09	4.04	08					GLOB UNIF		WV 0 1			
829	LOAD Z 613 663	8.08-	1	4.04-	1					GLOB UNIF		WV 0 1			
830	LOAD Y 501 622	5.78	06	7.52	05					GLOB UNIF		WV 0 1			
831	LOAD Z 501 622	5.78-	1	7.52-	1					GLOB UNIF		WV 0 1			
832	LOAD X 501 622	13.09		7.52	1					GLOB UNIF		WV 0 1			
833	LOAD Y 501 622	13.09	05	7.52	05					GLOB UNIF		WV 0 1			

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5	1...0	1...5	2...0	2...5	3...0	3...5	4...0	4...5	5...0	5...5	6...0	6...5	7...0	7...5	8...0
834	LOAD Z	501	622	13.09-	1	7.32-	1					GLOB	UNIF	WV	0	1
835	LOAD X	622	703	0.00	02	7.26	02					GLOB	UNIF	WV	0	1
836	LOAD Y	622	703	0.00	06	7.26	06					GLOB	UNIF	WV	0	1
837	LOAD Z	622	703	0.00-	03	7.26-	03					GLOB	UNIF	WV	0	1
838	LOAD X	622	703	7.26	02	7.26	02					GLOB	UNIF	WV	0	1
839	LOAD Y	622	703	7.26	06	7.26	07					GLOB	UNIF	WV	0	1
840	LOAD Z	622	703	7.26-	03	7.26-	03					GLOB	UNIF	WV	0	1
841	LOAD X	622	703	14.51	02	7.26	02					GLOB	UNIF	WV	0	1
842	LOAD Y	622	703	14.51	07	7.26	06					GLOB	UNIF	WV	0	1
843	LOAD Z	622	703	14.51-	03	7.26-	03					GLOB	UNIF	WV	0	1
844	LOAD X	503	625	3.90	02	5.45	02					GLOB	UNIF	WV	0	1
845	LOAD Y	503	625	3.90	03	5.45	03					GLOB	UNIF	WV	0	1
846	LOAD Z	503	625	3.90	05	5.45	05					GLOB	UNIF	WV	0	1
847	LOAD X	503	625	9.35	02	5.45	02					GLOB	UNIF	WV	0	1
848	LOAD Y	503	625	9.35	03	5.45	03					GLOB	UNIF	WV	0	1
849	LOAD Z	503	625	9.35	05	5.45	05					GLOB	UNIF	WV	0	1
850	LOAD X	503	625	14.80	02	5.45	02					GLOB	UNIF	WV	0	1
851	LOAD Y	503	625	14.80	03	5.45	03					GLOB	UNIF	WV	0	1
852	LOAD Z	503	625	14.80	05	5.45	04					GLOB	UNIF	WV	0	1
853	LOAD X	625	706	0.00	03	7.31	03					GLOB	UNIF	WV	0	1
854	LOAD Y	625	706	0.00	04	7.31	04					GLOB	UNIF	WV	0	1
855	LOAD Z	625	706	0.00	07	7.31	06					GLOB	UNIF	WV	0	1
856	LOAD X	625	706	7.31	03	7.31	02					GLOB	UNIF	WV	0	1
857	LOAD Y	625	706	7.31	04	7.31	04					GLOB	UNIF	WV	0	1
858	LOAD Z	625	706	7.31	06	7.31	06					GLOB	UNIF	WV	0	1
859	LOAD X	625	706	14.62	02	7.31	02					GLOB	UNIF	WV	0	1
860	LOAD Y	625	706	14.62	04	7.31	03					GLOB	UNIF	WV	0	1
861	LOAD Z	625	706	14.62	06	7.31	05					GLOB	UNIF	WV	0	1
862	LOAD X	506	624	8.97	04	5.64	04					GLOB	UNIF	WV	0	1
863	LOAD Y	506	624	8.97	03	5.64	03					GLOB	UNIF	WV	0	1
864	LOAD X	506	624	14.60	04	5.64	04					GLOB	UNIF	WV	0	1
865	LOAD Y	506	624	14.60	03	5.64	03					GLOB	UNIF	WV	0	1
866	LOAD X	624	701	0.00	07	7.31	06					GLOB	UNIF	WV	0	1
867	LOAD Y	624	701	0.00	05	7.31	05					GLOB	UNIF	WV	0	1
868	LOAD Z	624	701	0.00-	1	7.31-	1					GLOB	UNIF	WV	0	1
869	LOAD X	624	701	7.31	06	7.31	05					GLOB	UNIF	WV	0	1
870	LOAD Y	624	701	7.31	05	7.31	05					GLOB	UNIF	WV	0	1
871	LOAD Z	624	701	7.31-	1	7.31-	1					GLOB	UNIF	WV	0	1
872	LOAD X	624	701	14.62	05	7.31	05					GLOB	UNIF	WV	0	1
873	LOAD Y	624	701	14.62	05	7.31	05					GLOB	UNIF	WV	0	1
874	LOAD Z	624	701	14.62-	1	7.31-	02					GLOB	UNIF	WV	0	1
875	LOAD Y	701	702	0.00	04	10.76	04					GLOB	UNIF	WV	0	1
876	LOAD Z	701	702	0.00	1	10.76						GLOB	UNIF	WV	0	1
877	LOAD Y	702	703	0.00	04	10.76	04					GLOB	UNIF	WV	0	1
878	LOAD Z	703	705	0.00-	1	9.58						GLOB	UNIF	WV	0	1
879	LOAD Z	705	706	0.00		10.76	1					GLOB	UNIF	WV	0	1
880	LOAD X	701	704	0.00	04	10.75	03					GLOB	UNIF	WV	0	1
881	LOAD Y	701	704	0.00	02	10.75	02					GLOB	UNIF	WV	0	1
882	LOAD Z	701	704	0.00	1	10.75	1					GLOB	UNIF	WV	0	1

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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883	LOAD	X	704	706	0.00		03	10.76		03				GLOB	UNIF		WV	0	1
884	LOAD	Y	704	706	0.00		02	10.76		02				GLOB	UNIF		WV	0	1
885	LOAD	Z	704	706	0.00		1	10.76		02				GLOB	UNIF		WV	0	1
886	LOAD	Z	702	704	9.38			9.38		1				GLOB	UNIF		WV	0	1
887	LOAD	X	702	705	0.00		04	10.75		04				GLOB	UNIF		WV	0	1
888	LOAD	Y	702	705	0.00		02	10.75		02				GLOB	UNIF		WV	0	1
889	LOAD	Z	702	705	0.00			10.75		1				GLOB	UNIF		WV	0	1
890	LOAD	Y	704	705	0.00		04	10.76		04				GLOB	UNIF		WV	0	1
891	LOAD	Z	704	705	0.00		1	10.76		1				GLOB	UNIF		WV	0	1
892	LOAD	X	701	806	0.00		06	10.72		04				GLOB	UNIF		WV	0	1
893	LOAD	Y	701	806	0.00		05	10.72		04				GLOB	UNIF		WV	0	1
894	LOAD	Z	701	806	0.00		03	10.72		02				GLOB	UNIF		WV	0	1
895	LOAD	X	701	806	10.72		04	10.72		04				GLOB	UNIF		WV	0	1
896	LOAD	Y	701	806	10.72		04	10.72		03				GLOB	UNIF		WV	0	1
897	LOAD	Z	701	806	10.72		02	10.72		02				GLOB	UNIF		WV	0	1
898	LOAD	X	701	806	33.44		04	10.72		03				GLOB	UNIF		WV	0	1
899	LOAD	Y	701	806	33.44		03	10.72		03				GLOB	UNIF		WV	0	1
900	LOAD	Z	701	806	33.44		02	10.72		02				GLOB	UNIF		WV	0	1
901	LOAD	X	703	801	0.00		1	10.72		1				GLOB	UNIF		WV	0	1
902	LOAD	Y	703	801	0.00		06	10.72		06				GLOB	UNIF		WV	0	1
903	LOAD	Z	703	801	0.00		1	10.72		1				GLOB	UNIF		WV	0	1
904	LOAD	X	703	801	10.72		1	10.72		1				GLOB	UNIF		WV	0	1
905	LOAD	Y	703	801	10.72		06	10.72		05				GLOB	UNIF		WV	0	1
906	LOAD	Z	703	801	10.72		1	10.72		1				GLOB	UNIF		WV	0	1
907	LOAD	X	703	801	33.44		1	10.72		1				GLOB	UNIF		WV	0	1
908	LOAD	Y	703	801	33.44		05	10.72		04				GLOB	UNIF		WV	0	1
909	LOAD	Z	703	801	33.44		1	10.72		1				GLOB	UNIF		WV	0	1
910	LOAD	X	706	803	0.00		1	10.72		1				GLOB	UNIF		WV	0	1
911	LOAD	Y	706	803	0.00		02	10.72		02				GLOB	UNIF		WV	0	1
912	LOAD	Z	706	803	0.00-		03	10.72-		03				GLOB	UNIF		WV	0	1
913	LOAD	X	706	803	10.72		1	10.72		1				GLOB	UNIF		WV	0	1
914	LOAD	Y	706	803	10.72		02	10.72		02				GLOB	UNIF		WV	0	1
915	LOAD	Z	706	803	10.72-		03	10.72-		03				GLOB	UNIF		WV	0	1
916	LOAD	X	706	803	33.44		1	10.72		1				GLOB	UNIF		WV	0	1
917	LOAD	Y	706	803	33.44		02	10.72		1				GLOB	UNIF		WV	0	1
918	LOAD	Z	706	803	33.44-		03	10.72-		03				GLOB	UNIF		WV	0	1
919	LOAD	Y	801	802	0.00		03	22.79		03				GLOB	UNIF		WV	0	1
920	LOAD	Y	802	803	0.00		03	22.79		03				GLOB	UNIF		WV	0	1
921	LOAD	Z	802	803	0.00			22.79-		1				GLOB	UNIF		WV	0	1
922	LOAD	Z	803	805	0.00-		1	22.79						GLOB	UNIF		WV	0	1
923	LOAD	X	801	804	0.00		02	22.79		02				GLOB	UNIF		WV	0	1
924	LOAD	Y	801	804	0.00		1	22.79		1				GLOB	UNIF		WV	0	1
925	LOAD	X	804	806	0.00		02	22.80		02				GLOB	UNIF		WV	0	1
926	LOAD	Y	804	806	0.00		1	22.80		1				GLOB	UNIF		WV	0	1
927	LOAD	Z	804	806	0.00			22.80		1				GLOB	UNIF		WV	0	1
928	LOAD	Z	802	804	0.00-		1	22.80						GLOB	UNIF		WV	0	1
929	LOAD	X	802	805	0.00		02	22.80		02				GLOB	UNIF		WV	0	1
930	LOAD	Y	802	805	0.00		1	22.80		1				GLOB	UNIF		WV	0	1
931	LOAD	Y	804	805	0.00		02	22.80		02				GLOB	UNIF		WV	0	1

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

| LINE NO. | I | | |

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

| LINE NO. | 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0 | | |

STRAN INPUT DATA

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5		1 1...5	2 2...5	3 3...5	4 4...5	5 5...0	6 6...5	7 7...5	8 0
1030	LOAD	Y	606 626	3.35	16	3.35	15	GLOB UNIF	WV	0 1
1031	LOAD	Z	606 626	3.35	08	3.35	07	GLOB UNIF	WV	0 1
1032	LOAD	X	621 651	0.00	19	3.04	18	GLOB UNIF	WV	0 1
1033	LOAD	Y	621 651	0.00	30	3.04	28	GLOB UNIF	WV	0 1
1034	LOAD	X	621 651	3.04	18	3.04	17	GLOB UNIF	WV	0 1
1035	LOAD	Y	621 651	3.04	28	3.04	26	GLOB UNIF	WV	0 1
1036	LOAD	X	623 653	0.00	15	3.04	14	GLOB UNIF	WV	0 1
1037	LOAD	Y	623 653	0.00	29	3.04	27	GLOB UNIF	WV	0 1
1038	LOAD	Z	623 653	0.00	05	3.04	04	GLOB UNIF	WV	0 1
1039	LOAD	X	623 653	3.04	14	3.04	13	GLOB UNIF	WV	0 1
1040	LOAD	Y	623 653	3.04	27	3.04	25	GLOB UNIF	WV	0 1
1041	LOAD	Z	623 653	3.04	04	3.04	04	GLOB UNIF	WV	0 1
1042	LOAD	X	626 656	0.00	16	6.08	15	GLOB UNIF	WV	0 1
1043	LOAD	Y	626 656	0.00	28	6.08	25	GLOB UNIF	WV	0 1
1044	LOAD	Z	626 656	0.00-	05	6.08-	04	GLOB UNIF	WV	0 1
1045	LOAD	X	651 701	0.00	14	3.55	13	GLOB UNIF	WV	0 1
1046	LOAD	Y	651 701	0.00	28	3.55	26	GLOB UNIF	WV	0 1
1047	LOAD	X	651 701	3.55	13	3.55	13	GLOB UNIF	WV	0 1
1048	LOAD	Y	651 701	3.55	26	3.55	24	GLOB UNIF	WV	0 1
1049	LOAD	X	656 706	0.00	16	3.55	15	GLOB UNIF	WV	0 1
1050	LOAD	Y	656 706	0.00	26	3.55	24	GLOB UNIF	WV	0 1
1051	LOAD	Z	656 706	0.00	04	3.55	04	GLOB UNIF	WV	0 1
1052	LOAD	X	656 706	3.55	15	3.55	14	GLOB UNIF	WV	0 1
1053	LOAD	Y	656 706	3.55	24	3.55	23	GLOB UNIF	WV	0 1
1054	LOAD	Z	656 706	3.55	04	3.55	04	GLOB UNIF	WV	0 1
1055	LOAD	X	653 703	0.00	16	3.55	15	GLOB UNIF	WV	0 1
1056	LOAD	Y	653 703	0.00	26	3.55	24	GLOB UNIF	WV	0 1
1057	LOAD	Z	653 703	0.00-	04	3.55-	04	GLOB UNIF	WV	0 1
1058	LOAD	X	653 703	3.55	15	3.55	14	GLOB UNIF	WV	0 1
1059	LOAD	Y	653 703	3.55	24	3.55	23	GLOB UNIF	WV	0 1
1060	LOAD	Z	653 703	3.55-	04	3.55-	04	GLOB UNIF	WV	0 1
1061	LOAD	X	701 801	0.00	12	9.46	10	GLOB UNIF	WV	0 1
1062	LOAD	Y	701 801	0.00	24	9.46	20	GLOB UNIF	WV	0 1
1063	LOAD	X	701 801	9.46	10	9.46	09	GLOB UNIF	WV	0 1
1064	LOAD	Y	701 801	9.46	20	9.46	17	GLOB UNIF	WV	0 1
1065	LOAD	X	701 801	18.92	09	9.46	07	GLOB UNIF	WV	0 1
1066	LOAD	Y	701 801	18.92	17	9.46	15	GLOB UNIF	WV	0 1
1067	LOAD	X	703 803	0.00	13	9.46	11	GLOB UNIF	WV	0 1
1068	LOAD	Y	703 803	0.00	22	9.46	18	GLOB UNIF	WV	0 1
1069	LOAD	Z	703 803	0.00-	04	9.46-	03	GLOB UNIF	WV	0 1
1070	LOAD	X	703 803	9.46	11	9.46	09	GLOB UNIF	WV	0 1
1071	LOAD	Y	703 803	9.46	18	9.46	15	GLOB UNIF	WV	0 1
1072	LOAD	Z	703 803	9.46-	03	9.46-	03	GLOB UNIF	WV	0 1
1073	LOAD	X	703 803	18.92	09	9.46	08	GLOB UNIF	WV	0 1
1074	LOAD	Y	703 803	18.92	15	9.46	13	GLOB UNIF	WV	0 1
1075	LOAD	Z	703 803	18.92-	03	9.46-	02	GLOB UNIF	WV	0 1
1076	LOAD	X	706 806	0.00	13	9.46	11	GLOB UNIF	WV	0 1
1077	LOAD	Y	706 806	0.00	22	9.46	19	GLOB UNIF	WV	0 1
1078	LOAD	Z	706 806	0.00	04	9.46	03	GLOB UNIF	WV	0 1

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LINE NO.	1...5	1 1 0...5	2 2 0...5	3 3 0...5	4 4 0...5	5 5 0...5	6 6 0...5	7 7 0...5	8 0
1079	LOAD X	706 806	9.46	11	9.46	10	GLOB UNIF	WV	0 1
1080	LOAD Y	706 806	9.46	19	9.46	16	GLOB UNIF	WV	0 1
1081	LOAD Z	706 806	9.46	03	9.46	03	GLOB UNIF	WV	0 1
1082	LOAD X	706 806	18.92	10	9.46	08	GLOB UNIF	WV	0 1
1083	LOAD Y	706 806	18.92	16	9.46	14	GLOB UNIF	WV	0 1
1084	LOAD Z	706 806	18.92	03	9.46	02	GLOB UNIF	WV	0 1
1085	LOAD X	801 901	0.00	07	10.81	06	GLOB UNIF	WV	0 1
1086	LOAD Y	801 901	0.00	15	10.81	12	GLOB UNIF	WV	0 1
1087	LOAD X	801 901	10.81	06	10.81	05	GLOB UNIF	WV	0 1
1088	LOAD Y	801 901	10.81	12	10.81	10	GLOB UNIF	WV	0 1
1089	LOAD X	801 901	21.63	05	10.81	05	GLOB UNIF	WV	0 1
1090	LOAD Y	801 901	21.63	10	10.81	09	GLOB UNIF	WV	0 1
1091	LOAD X	803 903	0.00	08	10.81	06	GLOB UNIF	WV	0 1
1092	LOAD Y	803 903	0.00	13	10.81	10	GLOB UNIF	WV	0 1
1093	LOAD Z	803 903	0.00-	02	10.81-	02	GLOB UNIF	WV	0 1
1094	LOAD X	803 903	10.81	06	10.81	05	GLOB UNIF	WV	0 1
1095	LOAD Y	803 903	10.81	10	10.81	08	GLOB UNIF	WV	0 1
1096	LOAD Z	803 903	10.81-	02	10.81-	1	GLOB UNIF	WV	0 1
1097	LOAD X	803 903	21.63	05	10.81	04	GLOB UNIF	WV	0 1
1098	LOAD Y	803 903	21.63	08	10.81	07	GLOB UNIF	WV	0 1
1099	LOAD Z	803 903	21.63-	1	10.81-	1	GLOB UNIF	WV	0 1
1100	LOAD X	806 906	0.00	08	10.81	07	GLOB UNIF	WV	0 1
1101	LOAD Y	806 906	0.00	14	10.81	12	GLOB UNIF	WV	0 1
1102	LOAD Z	806 906	0.00	02	10.81	02	GLOB UNIF	WV	0 1
1103	LOAD X	806 906	10.81	07	10.81	06	GLOB UNIF	WV	0 1
1104	LOAD Y	806 906	10.81	12	10.81	10	GLOB UNIF	WV	0 1
1105	LOAD Z	806 906	10.81	02	10.81	02	GLOB UNIF	WV	0 1
1106	LOAD X	806 906	21.63	06	10.81	06	GLOB UNIF	WV	0 1
1107	LOAD Y	806 906	21.63	10	10.81	09	GLOB UNIF	WV	0 1
1108	LOAD Z	806 906	21.63	02	10.81	02	GLOB UNIF	WV	0 1
1109	LOAD X	9011001	0.00	05	10.81	04	GLOB UNIF	WV	0 1
1110	LOAD Y	9011001	0.00	09	10.81	08	GLOB UNIF	WV	0 1
1111	LOAD X	9011001	10.81	04	10.81	04	GLOB UNIF	WV	0 1
1112	LOAD Y	9011001	10.81	08	10.81	08	GLOB UNIF	WV	0 1
1113	LOAD X	9011001	21.63	04	10.81	04	GLOB UNIF	WV	0 1
1114	LOAD Y	9011001	21.63	08	10.81	07	GLOB UNIF	WV	0 1
1115	LOAD X	9031003	0.00	04	10.81	03	GLOB UNIF	WV	0 1
1116	LOAD Y	9031003	0.00	07	10.81	06	GLOB UNIF	WV	0 1
1117	LOAD Z	9031003	0.00-	1	10.81-	1	GLOB UNIF	WV	0 1
1118	LOAD X	9031003	10.81	03	10.81	03	GLOB UNIF	WV	0 1
1119	LOAD Y	9031003	10.81	06	10.81	05	GLOB UNIF	WV	0 1
1120	LOAD Z	9031003	10.81-	1	10.81-	1	GLOB UNIF	WV	0 1
1121	LOAD X	9031003	21.63	03	10.81	02	GLOB UNIF	WV	0-1
1122	LOAD Y	9031003	21.63	05	10.81	04	GLOB UNIF	WV	0 1
1123	LOAD Z	9031003	21.63-	1	10.81-	1	GLOB UNIF	WV	0 1
1124	LOAD X	9061006	0.00	06	16.22	05	GLOB UNIF	WV	0 1
1125	LOAD Y	9061006	0.00	09	16.22	08	GLOB UNIF	WV	0 1
1126	LOAD Z	9061006	0.00	02	16.22	1	GLOB UNIF	WV	0 1
1127	LOAD X	9061006	16.22	05	16.22	05	GLOB UNIF	WV	0 1

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U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1128 LOAD Y  9061006   16.22     08  16.22     08                GLOB UNIF     WV 0 1
    1129 LOAD Z  9061006   16.22      1  16.22      1                GLOB UNIF     WV 0 1
    1130 LOADCN  4
    1131 LOAD X  513 651   10.62-    05   3.69-    05                GLOB UNIF     WV 0 2
    1132 LOAD Y  513 651   10.62-    09   3.69-    08                GLOB UNIF     WV 0 2
    1133 LOAD X  513 651   14.31-    05   3.69-    04                GLOB UNIF     WV 0 2
    1134 LOAD Y  513 651   14.31-    08   3.69-    08                GLOB UNIF     WV 0 2
    1135 LOAD X  514 653   12.77-    04   5.23-    04                GLOB UNIF     WV 0 2
    1136 LOAD Y  514 653   12.77-    08   5.23-    07                GLOB UNIF     WV 0 2
    1137 LOAD Z  651 661    0.00-    02   5.00-    02                GLOB UNIF     WV 0 2
    1138 LOAD X  653 663    0.00-     1   5.00-     1                GLOB UNIF     WV 0 2
    1139 LOAD Z  653 663    0.00-     1   5.00-     1                GLOB UNIF     WV 0 2
    1140 LOAD Y  661 662    0.00-    03  17.74-    03                GLOB UNIF     WV 0 2
    1141 LOAD Z  661 662    0.00-    03  17.74-    02                GLOB UNIF     WV 0 2
    1142 LOAD Y  662 663    0.00-    03  17.74-    04                GLOB UNIF     WV 0 2
    1143 LOAD Z  662 663    0.00-    02  17.74-    02                GLOB UNIF     WV 0 2
    1144 LOAD X  611 661    5.29-    03   6.84-    02                GLOB UNIF     WV 0 2
    1145 LOAD Y  611 661    5.29-    05   6.84-    04                GLOB UNIF     WV 0 2
    1146 LOAD X  612 662    6.25-     1   5.75-     1                GLOB UNIF     WV 0 2
    1147 LOAD Y  612 662    6.25-    02   5.75-    02                GLOB UNIF     WV 0 2
    1148 LOAD X  613 663    7.28-    03   4.85-    02                GLOB UNIF     WV 0 2
    1149 LOAD Y  613 663    7.28-    04   4.85-    04                GLOB UNIF     WV 0 2
    1150 LOAD X  501 622   19.96      1    .45     1                GLOB UNIF     WV 0 2
    1151 LOAD Y  501 622   19.96-    02    .45-    02                GLOB UNIF     WV 0 2
    1152 LOAD Z  501 622   19.96-     1    .45-     1                GLOB UNIF     WV 0 2
    1153 LOAD X  622 703    0.00      1   7.26                      GLOB UNIF     WV 0 2
    1154 LOAD Y  622 703    0.00-    05   7.26-    04                GLOB UNIF     WV 0 2
    1155 LOAD Y  622 703    7.26-    04   7.26-    04                GLOB UNIF     WV 0 2
    1156 LOAD Y  622 703   14.51-    04   7.26-    04                GLOB UNIF     WV 0 2
    1157 LOAD Z  622 703   14.51         7.26     1                GLOB UNIF     WV 0 2
    1158 LOAD X  503 625   18.04-     1   2.22-     1                GLOB UNIF     WV 0 2
    1159 LOAD Y  503 625   18.04-    02   2.22-    02                GLOB UNIF     WV 0 2
    1160 LOAD Z  503 625   18.04-    03   2.22-    03                GLOB UNIF     WV 0 2
    1161 LOAD X  625 706    0.00-    02   7.31-    02                GLOB UNIF     WV 0 2
    1162 LOAD Y  625 706    0.00-    03   7.31-    03                GLOB UNIF     WV 0 2
    1163 LOAD Z  625 706    0.00-    05   7.31-    04                GLOB UNIF     WV 0 2
    1164 LOAD X  625 706    7.31-    02   7.31-     1                GLOB UNIF     WV 0 2
    1165 LOAD Y  625 706    7.31-    03   7.31-    02                GLOB UNIF     WV 0 2
    1166 LOAD Z  625 706    7.31-    04   7.31-    04                GLOB UNIF     WV 0 2
    1167 LOAD X  625 706   14.62-     1   7.31-     1                GLOB UNIF     WV 0 2
    1168 LOAD Y  625 706   14.62-    02   7.31-    02                GLOB UNIF     WV 0 2
    1169 LOAD Z  625 706   14.62-    04   7.31-    03                GLOB UNIF     WV 0 2
    1170 LOAD X  506 624   15.76-    02   4.48-    02                GLOB UNIF     WV 0 2
    1171 LOAD Y  506 624   15.76      1   4.48                      GLOB UNIF     WV 0 2
    1172 LOAD Z  506 624   15.76-    02   4.48-    02                GLOB UNIF     WV 0 2
    1173 LOAD X  624 701    0.00-    04   7.31-    04                GLOB UNIF     WV 0 2
    1174 LOAD Y  624 701    0.00         7.31-     1                GLOB UNIF     WV 0 2
    1175 LOAD Z  624 701    0.00-    03   7.31-    02                GLOB UNIF     WV 0 2
    1176 LOAD X  624 701    7.31-    04   7.31-    04                GLOB UNIF     WV 0 2
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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
1177	LOAD Y 624 701	7.31-	1	7.31-	1					GLOB UNIF		WV 0 2			
1178	LOAD Z 624 701	7.31-	02	7.31-	1					GLOB UNIF		WV 0 2			
1179	LOAD X 624 701	14.62-	04	7.31-	03					GLOB UNIF		WV 0 2			
1180	LOAD Y 624 701	14.62-	1	7.31-	1					GLOB UNIF		WV 0 2			
1181	LOAD Z 624 701	14.62-	1	7.31-	1					GLOB UNIF		WV 0 2			
1182	LOAD Y 701 702	0.00-	1	16.76-	02					GLOB UNIF		WV 0 2			
1183	LOAD Z 701 702	0.00-	02	16.76-	02					GLOB UNIF		WV 0 2			
1184	LOAD Y 702 703	0.00-	02	16.76-	02					GLOB UNIF		WV 0 2			
1185	LOAD Z 702 703	0.00-	02	16.76-	1					GLOB UNIF		WV 0 2			
1186	LOAD Z 703 705	0.00-	1	16.75-	02					GLOB UNIF		WV 0 2			
1187	LOAD Z 705 706	0.00-	02	16.76-	03					GLOB UNIF		WV 0 2			
1188	LOAD X 701 704	0.00-	1	16.75-	1					GLOB UNIF		WV 0 2			
1189	LOAD Y 701 704	0.00-	1	16.75						GLOB UNIF		WV 0 2			
1190	LOAD Z 701 704	0.00-	02	16.75-	03					GLOB UNIF		WV 0 2			
1191	LOAD X 704 706	0.00-	1	16.76						GLOB UNIF		WV 0 2			
1192	LOAD Z 704 706	0.00-	03	16.76-	03					GLOB UNIF		WV 0 2			
1193	LOAD Z 702 704	0.00-	02	16.75-	03					GLOB UNIF		WV 0 2			
1194	LOAD X 702 705	0.00-	1	16.75-	1					GLOB UNIF		WV 0 2			
1195	LOAD Y 702 705	0.00-	1	16.75-	1					GLOB UNIF		WV 0 2			
1196	LOAD Z 702 705	0.00-	02	16.75-	02					GLOB UNIF		WV 0 2			
1197	LOAD Y 704 705	0.00-	1	16.76-	1					GLOB UNIF		WV 0 2			
1198	LOAD Z 704 705	0.00-	03	16.76-	02					GLOB UNIF		WV 0 2			
1199	LOAD X 701 806	0.00-	02	16.72-	02					GLOB UNIF		WV 0 2			
1200	LOAD Y 701 806	0.00-	03	16.72-	03					GLOB UNIF		WV 0 2			
1201	LOAD Z 701 806	0.00-	03	16.72-	02					GLOB UNIF		WV 0 2			
1202	LOAD X 701 806	16.72-	02	16.72-	1					GLOB UNIF		WV 0 2			
1203	LOAD Y 701 806	16.72-	03	16.72-	02					GLOB UNIF		WV 0 2			
1204	LOAD Z 701 806	16.72-	02	16.72-	02					GLOB UNIF		WV 0 2			
1205	LOAD X 701 806	33.44-	1	16.72-	1					GLOB UNIF		WV 0 2			
1206	LOAD Y 701 806	33.44-	02	16.72-	02					GLOB UNIF		WV 0 2			
1207	LOAD Z 701 806	33.44-	02	16.72-	02					GLOB UNIF		WV 0 2			
1208	LOAD X 703 801	0.00-	1	16.72-	1					GLOB UNIF		WV 0 2			
1209	LOAD Y 703 801	0.00-	04	16.72-	03					GLOB UNIF		WV 0 2			
1210	LOAD Z 703 801	0.00-	02	16.72-	1					GLOB UNIF		WV 0 2			
1211	LOAD X 703 801	16.72-	1	16.72-	1					GLOB UNIF		WV 0 2			
1212	LOAD Y 703 801	16.72-	03	16.72-	03					GLOB UNIF		WV 0 2			
1213	LOAD Z 703 801	16.72-	1	16.72-	1					GLOB UNIF		WV 0 2			
1214	LOAD X 703 801	33.44-	1	16.72-	1					GLOB UNIF		WV 0 2			
1215	LOAD Y 703 801	33.44-	03	16.72-	02					GLOB UNIF		WV 0 2			
1216	LOAD Z 703 801	33.44-	1	16.72-	1					GLOB UNIF		WV 0 2			
1217	LOAD X 706 803	0.00	1	16.72						GLOB UNIF		WV 0 2			
1218	LOAD Y 706 803	0.00	1	16.72						GLOB UNIF		WV 0 2			
1219	LOAD Z 706 803	0.00-	02	16.72						GLOB UNIF		WV 0 2			
1220	LOAD Y 706 803	18.81		14.63-	1					GLOB UNIF		WV 0 2			
1221	LOAD Z 706 803	20.58		12.86	1					GLOB UNIF		WV 0 2			
1222	LOAD Y 706 803	33.44-	1	16.72-	1					GLOB UNIF		WV 0 2			
1223	LOAD Z 706 803	33.44	1	16.72	02					GLOB UNIF		WV 0 2			
1224	LOAD Y 801 802	0.00-	1	22.79-	1					GLOB UNIF		WV 0 2			
1225	LOAD Z 801 802	0.00-	1	22.79						GLOB UNIF		WV 0 2			

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LINE NO.	1...5		10...15	20...25	30...35	40...45	50...55	60...65	70...75	80
1226	LOAD	Y	802 803	0.00-	1	22.79-	1		GLOB UNIF	WV 0 2
1227	LOAD	Z	803 805	7.60		7.60-	1		GLOB UNIF	WV 0 2
1228	LOAD	Z	803 805	15.19-	1	7.60-	1		GLOB UNIF	WV 0 2
1229	LOAD	Z	805 806	0.00-	1	11.40-	1		GLOB UNIF	WV 0 2
1230	LOAD	Z	805 806	11.40-	1	11.40-	1		GLOB UNIF	WV 0 2
1231	LOAD	X	801 804	0.00-	1	22.79-	1		GLOB UNIF	WV 0 2
1232	LOAD	Y	801 804	0.00-	1	22.79			GLOB UNIF	WV 0 2
1233	LOAD	Z	801 804	0.00-	1	22.79-	1		GLOB UNIF	WV 0 2
1234	LOAD	X	804 806	0.00-	1	22.80-	1		GLOB UNIF	WV 0 2
1235	LOAD	Z	804 806	0.00-	1	22.80-	1		GLOB UNIF	WV 0 2
1236	LOAD	Z	802 804	0.00		11.40-	1		GLOB UNIF	WV 0 2
1237	LOAD	Z	802 804	11.40-	1	11.40-	1		GLOB UNIF	WV 0 2
1238	LOAD	X	802 805	0.00-	1	22.80-	1		GLOB UNIF	WV 0 2
1239	LOAD	Y	802 805	0.00-	1	22.80			GLOB UNIF	WV 0 2
1240	LOAD	Z	802 805	0.00		22.80-	1		GLOB UNIF	WV 0 2
1241	LOAD	Y	804 805	0.00-	1	22.80-	1		GLOB UNIF	WV 0 2
1242	LOAD	Z	804 805	0.00-	1	22.80-	1		GLOB UNIF	WV 0 2
1243	LOAD	Y	801 903	0.00-	02	19.87-	02		GLOB UNIF	WV 0 2
1244	LOAD	Y	801 903	19.87-	02	19.87-	02		GLOB UNIF	WV 0 2
1245	LOAD	Z	801 903	19.87		19.87	1		GLOB UNIF	WV 0 2
1246	LOAD	Y	801 903	39.73-	02	19.87-	02		GLOB UNIF	WV 0 2
1247	LOAD	Z	801 903	39.73	1	19.87	1		GLOB UNIF	WV 0 2
1248	LOAD	Y	803 906	0.00-	1	59.60-	1		GLOB UNIF	WV 0 2
1249	LOAD	Z	803 906	0.00-	1	59.60-	1		GLOB UNIF	WV 0 2
1250	LOAD	X	806 901	0.00-	02	19.87-	02		GLOB UNIF	WV 0 2
1251	LOAD	Y	806 901	0.00		19.87-	1		GLOB UNIF	WV 0 2
1252	LOAD	Z	806 901	0.00-	1	19.87			GLOB UNIF	WV 0 2
1253	LOAD	X	806 901	19.87-	02	19.87-	02		GLOB UNIF	WV 0 2
1254	LOAD	Y	806 901	19.87-	1	19.87-	1		GLOB UNIF	WV 0 2
1255	LOAD	X	806 901	39.74-	02	19.87-	1		GLOB UNIF	WV 0 2
1256	LOAD	Y	806 901	39.74-	1	19.87-	1		GLOB UNIF	WV 0 2
1257	LOAD	Y	901 902	0.00-	1	27.42-	1		GLOB UNIF	WV 0 2
1258	LOAD	Y	902 903	0.00-	1	27.42-	1		GLOB UNIF	WV 0 2
1259	LOAD	X	901 904	0.00-	1	27.41-	1		GLOB UNIF	WV 0 2
1260	LOAD	Y	901 904	0.00-	1	27.41-	1		GLOB UNIF	WV 0 2
1261	LOAD	X	904 906	0.00-	1	27.42-	1		GLOB UNIF	WV 0 2
1262	LOAD	Y	904 906	0.00-	1	27.42			GLOB UNIF	WV 0 2
1263	LOAD	X	902 905	0.00-	1	27.41-	1		GLOB UNIF	WV 0 2
1264	LOAD	Y	904 905	0.00-	1	27.42-	1		GLOB UNIF	WV 0 2
1265	LOAD	Y	9011002	0.00-	1	14.08-	1		GLOB UNIF	WV 0 2
1266	LOAD	Y	9011002	14.08-	1	14.08-	1		GLOB UNIF	WV 0 2
1267	LOAD	Y	9011002	28.15-	1	14.08-	1		GLOB UNIF	WV 0 2
1268	LOAD	Y	9031002	0.00-	1	42.23-	1		GLOB UNIF	WV 0 2
1269	LOAD	Y	9031005	0.00-	1	21.11-	1		GLOB UNIF	WV 0 2
1270	LOAD	Z	9031005	0.00-	1	21.11-	1		GLOB UNIF	WV 0 2
1271	LOAD	Y	9031005	21.11-	1	21.11-	1		GLOB UNIF	WV 0 2
1272	LOAD	Z	9031005	21.11-	1	21.11-	1		GLOB UNIF	WV 0 2
1273	LOAD	Y	9061005	0.00		14.07-	1		GLOB UNIF	WV 0 2
1274	LOAD	Z	9061005	0.00		14.07	1		GLOB UNIF	WV 0 2

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
1275	LOAD Y 9061005	14.07-	1	14.07-	1					GLOB UNIF		WV 0 2			
1276	LOAD Z 9061005	14.07	1	14.07	1					GLOB UNIF		WV 0 2			
1277	LOAD Y 9061005	28.15-	1	14.07-	1					GLOB UNIF		WV 0 2			
1278	LOAD Z 9061005	28.15	1	14.07	1					GLOB UNIF		WV 0 2			
1279	LOAD X 9011004	0.00-	1	21.11-	1					GLOB UNIF		WV 0 2			
1280	LOAD Y 9011004	0.00-	1	21.11-	1					GLOB UNIF		WV 0 2			
1281	LOAD X 9011004	21.11-	1	21.11-	1					GLOB UNIF		WV 0 2			
1282	LOAD Y 9011004	21.11-	1	21.11-	1					GLOB UNIF		WV 0 2			
1283	LOAD X 9061004	0.00-	1	14.07-	1					GLOB UNIF		WV 0 2			
1284	LOAD Y 9061004	0.00-	1	14.07-	1					GLOB UNIF		WV 0 2			
1285	LOAD X 9061004	14.07-	1	14.07-	1					GLOB UNIF		WV 0 2			
1286	LOAD Y 9061004	14.07-	1	14.07-	1					GLOB UNIF		WV 0 2			
1287	LOAD X 9061004	28.15-	1	14.07-	1					GLOB UNIF		WV 0 2			
1288	LOAD Y 9061004	28.15-	1	14.07-	1					GLOB UNIF		WV 0 2			
1289	LOAD Y 10011002	0.00-	02	32.04-	02					GLOB UNIF		WV 0 2			
1290	LOAD Y 10021003	0.00-	02	32.04-	02					GLOB UNIF		WV 0 2			
1291	LOAD X 10011004	0.00-	1	32.04-	1					GLOB UNIF		WV 0 2			
1292	LOAD Y 10011004	0.00-	1	32.04-	1					GLOB UNIF		WV 0 2			
1293	LOAD X 10041006	0.00-	1	32.04-	1					GLOB UNIF		WV 0 2			
1294	LOAD Y 10041006	0.00-	1	32.04-	1					GLOB UNIF		WV 0 2			
1295	LOAD X 10021005	0.00-	1	32.04-	1					GLOB UNIF		WV 0 2			
1296	LOAD Y 10041005	0.00-	1	32.04-	1					GLOB UNIF		WV 0 2			
1297	LOAD X 601 621	5.16-	08	1.55-	07					GLOB UNIF		WV 0 2			
1298	LOAD Y 601 621	5.16-	11	1.55-	11					GLOB UNIF		WV 0 2			
1299	LOAD Z 601 621	5.16-	1	1.55						GLOB UNIF		WV 0 2			
1300	LOAD X 606 626	2.57-	07	4.14-	06					GLOB UNIF		WV 0 2			
1301	LOAD Y 606 626	2.57-	11	4.14-	11					GLOB UNIF		WV 0 2			
1302	LOAD Z 606 626	2.57-	06	4.14-	05					GLOB UNIF		WV 0 2			
1303	LOAD X 621 651	0.00-	14	6.08-	13					GLOB UNIF		WV 0 2			
1304	LOAD Y 621 651	0.00-	24	6.08-	22					GLOB UNIF		WV 0 2			
1305	LOAD X 623 653	.86-	11	5.22-	10					GLOB UNIF		WV 0 2			
1306	LOAD Y 623 653	.86-	21	5.22-	20					GLOB UNIF		WV 0 2			
1307	LOAD Z 623 653	.86-	05	5.22-	03					GLOB UNIF		WV 0 2			
1308	LOAD X 626 656	0.00-	12	5.04-	12					GLOB UNIF		WV 0 2			
1309	LOAD Y 626 656	0.00-	19	5.04-	18					GLOB UNIF		WV 0 2			
1310	LOAD Z 626 656	0.00	05	5.04	03					GLOB UNIF		WV 0 2			
1311	LOAD X 626 656	5.04-	12	5.04-	11					GLOB UNIF		WV 0 2			
1312	LOAD Y 626 656	5.04-	18	5.04-	17					GLOB UNIF		WV 0 2			
1313	LOAD Z 626 656	5.04	05	5.04	03					GLOB UNIF		WV 0 2			
1314	LOAD X 651 701	0.00-	13	7.10-	11					GLOB UNIF		WV 0 2			
1315	LOAD Y 651 701	0.00-	22	7.10-	20					GLOB UNIF		WV 0 2			
1316	LOAD X 656 706	0.00-	12	7.10-	11					GLOB UNIF		WV 0 2			
1317	LOAD Y 656 706	0.00-	22	7.10-	19					GLOB UNIF		WV 0 2			
1318	LOAD Z 656 706	0.00-	04	7.10-	03					GLOB UNIF		WV 0 2			
1319	LOAD X 653 703	0.00-	13	5.55-	12					GLOB UNIF		WV 0 2			
1320	LOAD Y 653 703	0.00-	21	5.55-	20					GLOB UNIF		WV 0 2			
1321	LOAD Z 653 703	0.00	04	5.55	03					GLOB UNIF		WV 0 2			
1322	LOAD X 653 703	5.55-	12	5.55-	11					GLOB UNIF		WV 0 2			
1323	LOAD Y 653 703	5.55-	20	5.55-	19					GLOB UNIF		WV 0 2			

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
1324	LOAD Z	603 703	3.55	03	3.55	03					GLOB UNIF		WV 0 2		
1325	LOAD X	701 801	0.00-	11	9.46-	09					GLOB UNIF		WV 0 2		
1326	LOAD Y	701 801	0.00-	19	9.46-	17					GLOB UNIF		WV 0 2		
1327	LOAD X	701 801	9.46-	09	9.46-	08					GLOB UNIF		WV 0 2		
1328	LOAD Y	701 801	9.46-	17	9.46-	15					GLOB UNIF		WV 0 2		
1329	LOAD X	701 801	18.92-	08	9.46-	07					GLOB UNIF		WV 0 2		
1330	LOAD Y	701 801	18.92-	15	9.46-	13					GLOB UNIF		WV 0 2		
1331	LOAD X	703 803	0.00-	11	9.46-	09					GLOB UNIF		WV 0 2		
1332	LOAD Y	703 803	0.00-	18	9.46-	16					GLOB UNIF		WV 0 2		
1333	LOAD Z	703 803	0.00	03	9.46	03					GLOB UNIF		WV 0 2		
1334	LOAD X	703 803	9.46-	09	9.46-	08					GLOB UNIF		WV 0 2		
1335	LOAD Y	703 803	9.46-	16	9.46-	14					GLOB UNIF		WV 0 2		
1336	LOAD Z	703 803	9.46	03	9.46	02					GLOB UNIF		WV 0 2		
1337	LOAD X	703 803	18.92-	08	9.46-	07					GLOB UNIF		WV 0 2		
1338	LOAD Y	703 803	18.92-	14	9.46-	12					GLOB UNIF		WV 0 2		
1339	LOAD Z	703 803	18.92	02	9.46	02					GLOB UNIF		WV 0 2		
1340	LOAD X	706 806	0.00-	10	9.46-	09					GLOB UNIF		WV 0 2		
1341	LOAD Y	706 806	0.00-	19	9.46-	16					GLOB UNIF		WV 0 2		
1342	LOAD Z	706 806	0.00-	03	9.46-	03					GLOB UNIF		WV 0 2		
1343	LOAD X	706 806	9.46-	09	9.46-	08					GLOB UNIF		WV 0 2		
1344	LOAD Y	706 806	9.46-	16	9.46-	14					GLOB UNIF		WV 0 2		
1345	LOAD Z	706 806	9.46-	03	9.46-	02					GLOB UNIF		WV 0 2		
1346	LOAD X	706 806	18.92-	08	9.46-	07					GLOB UNIF		WV 0 2		
1347	LOAD Y	706 806	18.92-	14	9.46-	12					GLOB UNIF		WV 0 2		
1348	LOAD Z	706 806	18.92-	02	9.46-	02					GLOB UNIF		WV 0 2		
1349	LOAD X	801 901	0.00-	07	10.81-	06					GLOB UNIF		WV 0 2		
1350	LOAD Y	801 901	0.00-	13	10.81-	11					GLOB UNIF		WV 0 2		
1351	LOAD X	801 901	10.81-	06	10.81-	06					GLOB UNIF		WV 0 2		
1352	LOAD Y	801 901	10.81-	11	10.81-	10					GLOB UNIF		WV 0 2		
1353	LOAD X	801 901	21.63-	06	10.81-	05					GLOB UNIF		WV 0 2		
1354	LOAD Y	801 901	21.63-	10	10.81-	09					GLOB UNIF		WV 0 2		
1355	LOAD X	803 903	0.00-	07	10.81-	06					GLOB UNIF		WV 0 2		
1356	LOAD Y	803 903	0.00-	12	10.81-	10					GLOB UNIF		WV 0 2		
1357	LOAD Z	803 903	0.00	02	10.81	02					GLOB UNIF		WV 0 2		
1358	LOAD X	803 903	10.81-	06	10.81-	05					GLOB UNIF		WV 0 2		
1359	LOAD Y	803 903	10.81-	10	10.81-	09					GLOB UNIF		WV 0 2		
1360	LOAD Z	803 903	10.81	02	10.81	1					GLOB UNIF		WV 0 2		
1361	LOAD X	803 903	21.63-	05	10.81-	05					GLOB UNIF		WV 0 2		
1362	LOAD Y	803 903	21.63-	09	10.81-	08					GLOB UNIF		WV 0 2		
1363	LOAD Z	803 903	21.63	1	10.81	1					GLOB UNIF		WV 0 2		
1364	LOAD X	806 906	0.00-	07	10.81-	06					GLOB UNIF		WV 0 2		
1365	LOAD Y	806 906	0.00-	12	10.81-	10					GLOB UNIF		WV 0 2		
1366	LOAD Z	806 906	0.00-	02	10.81-	02					GLOB UNIF		WV 0 2		
1367	LOAD X	806 906	10.81-	06	10.81-	05					GLOB UNIF		WV 0 2		
1368	LOAD Y	806 906	10.81-	10	10.81-	09					GLOB UNIF		WV 0 2		
1369	LOAD Z	806 906	10.81-	02	10.81-	1					GLOB UNIF		WV 0 2		
1370	LOAD X	806 906	21.63-	05	10.81-	05					GLOB UNIF		WV 0 2		
1371	LOAD Y	806 906	21.63-	09	10.81-	08					GLOB UNIF		WV 0 2		
1372	LOAD Z	806 906	21.63-	1	10.81-	1					GLOB UNIF		WV 0 2		

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LINE NO.	1...5	1 1	2 2	3 3	4 4	5 5	6 6	7 7	8
		0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0							
1373	LOAD X	9011001	0.00- 05	16.22- 05			GLOB UNIF	WV 0 2	
1374	LOAD Y	9011001	0.00- 04	16.22- 08			GLOB UNIF	WV 0 2	
1375	LOAD X	9011001	16.22- 05	16.22- 05			GLOB UNIF	WV 0 2	
1376	LOAD Y	9011001	16.22- 08	16.22- 08			GLOB UNIF	WV 0 2	
1377	LOAD X	9031003	0.00- 05	16.22- 04			GLOB UNIF	WV 0 2	
1378	LOAD Y	9031003	0.00- 08	16.22- 07			GLOB UNIF	WV 0 2	
1379	LOAD Z	9031003	0.00 1	16.22 1			GLOB UNIF	WV 0 2	
1380	LOAD X	9031003	16.22- 04	16.22- 04			GLOB UNIF	WV 0 2	
1381	LOAD Y	9031003	16.22- 07	16.22- 07			GLOB UNIF	WV 0 2	
1382	LOAD Z	9031003	16.22 1	16.22 1			GLOB UNIF	WV 0 2	
1383	LOAD X	9061006	0.00- 05	16.22- 04			GLOB UNIF	WV 0 2	
1384	LOAD Y	9061006	0.00- 08	16.22- 07			GLOB UNIF	WV 0 2	
1385	LOAD Z	9061006	0.00- 1	16.22- 1			GLOB UNIF	WV 0 2	
1386	LOAD X	9061006	16.22- 04	16.22- 04			GLOB UNIF	WV 0 2	
1387	LOAD Y	9061006	16.22- 07	16.22- 07			GLOB UNIF	WV 0 2	
1388	LOAD Z	9061006	16.22- 1	16.22- 1			GLOB UNIF	WV 0 2	
1389	LOADCN	5							
1390	LOAD X	501 403	37.85 07	2.81 07			GLOB UNIF	WV 0 1	
1391	LOAD Y	501 403	37.85 22	2.81 21			GLOB UNIF	WV 0 1	
1392	LOAD Z	501 403	37.85- 07	2.81- 07			GLOB UNIF	WV 0 1	
1393	LOAD Y	501 502	0.00 12	15.15 13			GLOB UNIF	WV 0 1	
1394	LOAD Z	501 502	0.00 02	15.15 1			GLOB UNIF	WV 0 1	
1395	LOAD Y	502 503	0.00 13	15.15 13			GLOB UNIF	WV 0 1	
1396	LOAD Z	502 503	0.00 1	12.82			GLOB UNIF	WV 0 1	
1397	LOAD Z	503 505	0.00- 02	5.05- 02			GLOB UNIF	WV 0 1	
1398	LOAD Z	503 505	5.05- 02	5.05- 1			GLOB UNIF	WV 0 1	
1399	LOAD Z	503 505	10.10- 1	5.05			GLOB UNIF	WV 0 1	
1400	LOAD Z	505 506	5.05	5.05 1			GLOB UNIF	WV 0 1	
1401	LOAD Z	505 506	10.10 1	5.05 02			GLOB UNIF	WV 0 1	
1402	LOAD X	501 504	0.00 11	15.15 10			GLOB UNIF	WV 0 1	
1403	LOAD Y	501 504	0.00 06	15.15 06			GLOB UNIF	WV 0 1	
1404	LOAD Z	501 504	0.00 02	15.15 03			GLOB UNIF	WV 0 1	
1405	LOAD X	504 506	0.00 10	15.15 10			GLOB UNIF	WV 0 1	
1406	LOAD Y	504 506	0.00 06	15.15 06			GLOB UNIF	WV 0 1	
1407	LOAD Z	504 506	0.00 03	15.15 05			GLOB UNIF	WV 0 1	
1408	LOAD Z	502 504	0.00- 1	5.05			GLOB UNIF	WV 0 1	
1409	LOAD Z	502 504	10.10	5.05 1			GLOB UNIF	WV 0 1	
1410	LOAD X	502 505	0.00 08	15.15 08			GLOB UNIF	WV 0 1	
1411	LOAD Y	502 505	0.00 05	15.15 05			GLOB UNIF	WV 0 1	
1412	LOAD Z	502 505	0.00 1	15.15 02			GLOB UNIF	WV 0 1	
1413	LOAD Y	504 505	0.00 09	15.16 10			GLOB UNIF	WV 0 1	
1414	LOAD Z	504 505	0.00 03	15.16 02			GLOB UNIF	WV 0 1	
1415	LOAD X	501 513	0.00 06	2.99 06			GLOB UNIF	WV 0 1	
1416	LOAD Y	501 513	0.00 10	2.99 10			GLOB UNIF	WV 0 1	
1417	LOAD Z	501 513	0.00 03	2.99 03			GLOB UNIF	WV 0 1	
1418	LOAD X	503 514	0.00- 02	2.99- 02			GLOB UNIF	WV 0 1	
1419	LOAD Y	503 514	0.00 03	2.99 03			GLOB UNIF	WV 0 1	
1420	LOAD Z	503 514	0.00	2.99- 1			GLOB UNIF	WV 0 1	
1421	LOAD X	513 651	0.00 21	0.00 19			GLOB UNIF	WV 0 1	

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LINE NO.	1...5		1 1	2 2	3 3	4 4	5 5	6 6	7 7	8
			0....5	0....5	0....5	0....5	0....5	0....5	0....5	0
1422	LOAD	Y	513 651	0.00	36	6.00	32	GLOB UNIF	WV 0 1	
1423	LOAD	X	513 651	6.00	19	6.00	16	GLOB UNIF	WV 0 1	
1424	LOAD	Y	513 651	6.00	32	6.00	28	GLOB UNIF	WV 0 1	
1425	LOAD	X	513 651	12.00	16	6.00	14	GLOB UNIF	WV 0 1	
1426	LOAD	Y	513 651	12.00	28	6.00	25	GLOB UNIF	WV 0 1	
1427	LOAD	X	514 653	0.00	21	6.00	19	GLOB UNIF	WV 0 1	
1428	LOAD	Y	514 653	0.00	37	6.00	33	GLOB UNIF	WV 0 1	
1429	LOAD	X	514 653	6.00	19	6.00	16	GLOB UNIF	WV 0 1	
1430	LOAD	Y	514 653	6.00	33	6.00	28	GLOB UNIF	WV 0 1	
1431	LOAD	X	514 653	12.00	16	6.00	14	GLOB UNIF	WV 0 1	
1432	LOAD	Y	514 653	12.00	28	6.00	25	GLOB UNIF	WV 0 1	
1433	LOAD	X	601 611	0.00	04	6.00	04	GLOB UNIF	WV 0 1	
1434	LOAD	Z	601 611	0.00	1	6.00		GLOB UNIF	WV 0 1	
1435	LOAD	X	603 613	0.00	03	6.00	03	GLOB UNIF	WV 0 1	
1436	LOAD	Z	603 613	0.00-	1	6.00-	1	GLOB UNIF	WV 0 1	
1437	LOAD	X	651 661	0.00	03	5.00	03	GLOB UNIF	WV 0 1	
1438	LOAD	X	653 663	0.00	02	5.00	02	GLOB UNIF	WV 0 1	
1439	LOAD	Z	653 663	0.00-	1	5.00-	1	GLOB UNIF	WV 0 1	
1440	LOAD	Y	611 612	0.00	08	16.01	08	GLOB UNIF	WV 0 1	
1441	LOAD	Z	611 612	0.00	1	16.01		GLOB UNIF	WV 0 1	
1442	LOAD	Y	612 613	0.00	08	16.01	08	GLOB UNIF	WV 0 1	
1443	LOAD	Y	661 662	0.00	15	17.74	14	GLOB UNIF	WV 0 1	
1444	LOAD	Z	661 662	0.00-	1	17.74-	02	GLOB UNIF	WV 0 1	
1445	LOAD	Y	662 663	0.00	14	17.74	14	GLOB UNIF	WV 0 1	
1446	LOAD	Z	662 663	0.00-	02	17.74-	04	GLOB UNIF	WV 0 1	
1447	LOAD	X	611 661	0.00	13	4.04	12	GLOB UNIF	WV 0 1	
1448	LOAD	Y	611 661	0.00	24	4.04	22	GLOB UNIF	WV 0 1	
1449	LOAD	Z	611 661	0.00	02	4.04	02	GLOB UNIF	WV 0 1	
1450	LOAD	X	611 661	4.04	12	4.04	11	GLOB UNIF	WV 0 1	
1451	LOAD	Y	611 661	4.04	22	4.04	20	GLOB UNIF	WV 0 1	
1452	LOAD	Z	611 661	4.04	02	4.04	02	GLOB UNIF	WV 0 1	
1453	LOAD	X	611 661	8.08	11	4.04	10	GLOB UNIF	WV 0 1	
1454	LOAD	Y	611 661	8.08	20	4.04	18	GLOB UNIF	WV 0 1	
1455	LOAD	Z	611 661	8.08	02	4.04	1	GLOB UNIF	WV 0 1	
1456	LOAD	X	612 662	0.00	09	4.00	08	GLOB UNIF	WV 0 1	
1457	LOAD	Y	612 662	0.00	16	4.00	14	GLOB UNIF	WV 0 1	
1458	LOAD	X	612 662	4.00	08	4.00	07	GLOB UNIF	WV 0 1	
1459	LOAD	Y	612 662	4.00	14	4.00	13	GLOB UNIF	WV 0 1	
1460	LOAD	X	612 662	8.00	07	4.00	07	GLOB UNIF	WV 0 1	
1461	LOAD	Y	612 662	8.00	13	4.00	12	GLOB UNIF	WV 0 1	
1462	LOAD	X	613 663	0.00	14	4.04	13	GLOB UNIF	WV 0 1	
1463	LOAD	Y	613 663	0.00	24	4.04	22	GLOB UNIF	WV 0 1	
1464	LOAD	Z	613 663	0.00-	02	4.04-	02	GLOB UNIF	WV 0 1	
1465	LOAD	X	613 663	4.04	13	4.04	12	GLOB UNIF	WV 0 1	
1466	LOAD	Y	613 663	4.04	22	4.04	20	GLOB UNIF	WV 0 1	
1467	LOAD	Z	613 663	4.04-	02	4.04-	02	GLOB UNIF	WV 0 1	
1468	LOAD	X	613 663	8.08	12	4.04	11	GLOB UNIF	WV 0 1	
1469	LOAD	Y	613 663	8.08	20	4.04	18	GLOB UNIF	WV 0 1	
1470	LOAD	Z	613 663	8.08-	02	4.04-	02	GLOB UNIF	WV 0 1	

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1471	LOAD	X	501	622	0.00	1	10.21	02					GLOB	UNIF	WV	0	1			
1472	LOAD	Y	501	622	0.00	14	10.21	13					GLOB	UNIF	WV	0	1			
1473	LOAD	Z	501	622	0.00-	03	10.21-	04					GLOB	UNIF	WV	0	1			
1474	LOAD	X	501	622	10.21	02	10.21	02					GLOB	UNIF	WV	0	1			
1475	LOAD	Y	501	622	10.21	13	10.21	11					GLOB	UNIF	WV	0	1			
1476	LOAD	Z	501	622	10.21-	04	10.21-	04					GLOB	UNIF	WV	0	1			
1477	LOAD	X	622	703	0.00	04	7.26	04					GLOB	UNIF	WV	0	1			
1478	LOAD	Y	622	703	0.00	16	7.26	16					GLOB	UNIF	WV	0	1			
1479	LOAD	Z	622	703	0.00-	07	7.26-	07					GLOB	UNIF	WV	0	1			
1480	LOAD	X	622	703	7.26	04	7.26	04					GLOB	UNIF	WV	0	1			
1481	LOAD	Y	622	703	7.26	16	7.26	15					GLOB	UNIF	WV	0	1			
1482	LOAD	Z	622	703	7.26-	07	7.26-	07					GLOB	UNIF	WV	0	1			
1483	LOAD	X	622	703	14.51	04	7.26	04					GLOB	UNIF	WV	0	1			
1484	LOAD	Y	622	703	14.51	15	7.26	13					GLOB	UNIF	WV	0	1			
1485	LOAD	Z	622	703	14.51-	07	7.26-	07					GLOB	UNIF	WV	0	1			
1486	LOAD	X	503	625	0.00	05	10.13	03					GLOB	UNIF	WV	0	1			
1487	LOAD	Y	503	625	0.00	04	10.13	04					GLOB	UNIF	WV	0	1			
1488	LOAD	Z	503	625	0.00	06	10.13	07					GLOB	UNIF	WV	0	1			
1489	LOAD	X	503	625	10.13	05	10.13	03					GLOB	UNIF	WV	0	1			
1490	LOAD	Y	503	625	10.13	04	10.13	04					GLOB	UNIF	WV	0	1			
1491	LOAD	Z	503	625	10.13	07	10.13	07					GLOB	UNIF	WV	0	1			
1492	LOAD	X	625	706	0.00	04	7.31	04					GLOB	UNIF	WV	0	1			
1493	LOAD	Y	625	706	0.00	06	7.31	06					GLOB	UNIF	WV	0	1			
1494	LOAD	Z	625	706	0.00	10	7.31	10					GLOB	UNIF	WV	0	1			
1495	LOAD	X	625	706	7.31	04	7.31	04					GLOB	UNIF	WV	0	1			
1496	LOAD	Y	625	706	7.31	06	7.31	06					GLOB	UNIF	WV	0	1			
1497	LOAD	Z	625	706	7.31	10	7.31	09					GLOB	UNIF	WV	0	1			
1498	LOAD	X	625	706	14.62	04	7.31	04					GLOB	UNIF	WV	0	1			
1499	LOAD	Y	625	706	14.62	06	7.31	05					GLOB	UNIF	WV	0	1			
1500	LOAD	Z	625	706	14.62	09	7.31	09					GLOB	UNIF	WV	0	1			
1501	LOAD	X	506	624	0.00	11	10.12	10					GLOB	UNIF	WV	0	1			
1502	LOAD	Y	506	624	0.00	08	10.12	08					GLOB	UNIF	WV	0	1			
1503	LOAD	Z	506	624	0.00		10.12-	1					GLOB	UNIF	WV	0	1			
1504	LOAD	X	506	624	10.12	10	10.12	09					GLOB	UNIF	WV	0	1			
1505	LOAD	Y	506	624	10.12	08	10.12	07					GLOB	UNIF	WV	0	1			
1506	LOAD	Z	506	624	10.12-	1	10.12-	1					GLOB	UNIF	WV	0	1			
1507	LOAD	X	624	701	0.00	14	10.97	12					GLOB	UNIF	WV	0	1			
1508	LOAD	Y	624	701	0.00	13	10.97	12					GLOB	UNIF	WV	0	1			
1509	LOAD	Z	624	701	0.00-	04	10.97-	04					GLOB	UNIF	WV	0	1			
1510	LOAD	X	624	701	10.97	12	10.97	10					GLOB	UNIF	WV	0	1			
1511	LOAD	Y	624	701	10.97	12	10.97	11					GLOB	UNIF	WV	0	1			
1512	LOAD	Z	624	701	10.97-	04	10.97-	04					GLOB	UNIF	WV	0	1			
1513	LOAD	Y	701	702	0.00	09	18.76	09					GLOB	UNIF	WV	0	1			
1514	LOAD	Z	701	702	7.50		11.26-	1					GLOB	UNIF	WV	0	1			
1515	LOAD	Y	702	703	0.00	09	18.76	09					GLOB	UNIF	WV	0	1			
1516	LOAD	Z	702	703	0.00-	1	18.76-	02					GLOB	UNIF	WV	0	1			
1517	LOAD	Z	703	705	0.00-	05	9.38-	02					GLOB	UNIF	WV	0	1			
1518	LOAD	Z	703	705	9.38-	02	9.38-	1					GLOB	UNIF	WV	0	1			
1519	LOAD	Z	705	706	0.00-	1	9.38-	1					GLOB	UNIF	WV	0	1			

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LINE NO.	1...5		1 0...5	1 5...0	2 0...5	2 5...0	3 0...5	3 5...0	4 0...5	4 5...0	5 0...5	5 5...0	6 0...5	6 5...0	7 0...5	7 5...0	8
1520	LOAD	Z	705	706	9.38-	1	6.57						GLOB	UNIF	WV	0	1
1521	LOAD	X	701	704	0.00	08	18.75	08					GLOB	UNIF	WV	0	1
1522	LOAD	Y	701	704	0.00	04	18.75	04					GLOB	UNIF	WV	0	1
1523	LOAD	Z	701	704	0.00		18.75	1					GLOB	UNIF	WV	0	1
1524	LOAD	X	704	706	0.00	08	18.76	07					GLOB	UNIF	WV	0	1
1525	LOAD	Y	704	706	0.00	04	18.76	04					GLOB	UNIF	WV	0	1
1526	LOAD	Z	704	706	0.00	1	18.76	02					GLOB	UNIF	WV	0	1
1527	LOAD	Z	702	704	0.00-	02	9.38-	1					GLOB	UNIF	WV	0	1
1528	LOAD	Z	702	704	9.38-	1	9.38-	1					GLOB	UNIF	WV	0	1
1529	LOAD	X	702	705	0.00	08	18.75	08					GLOB	UNIF	WV	0	1
1530	LOAD	Y	702	705	0.00	05	18.75	04					GLOB	UNIF	WV	0	1
1531	LOAD	Z	702	705	0.00-	1	11.25						GLOB	UNIF	WV	0	1
1532	LOAD	Y	704	705	0.00	09	18.76	09					GLOB	UNIF	WV	0	1
1533	LOAD	Z	704	705	0.00	1	18.76						GLOB	UNIF	WV	0	1
1534	LOAD	X	701	806	0.00	12	16.72	10					GLOB	UNIF	WV	0	1
1535	LOAD	Y	701	806	0.00	09	16.72	08					GLOB	UNIF	WV	0	1
1536	LOAD	Z	701	806	0.00	04	16.72	04					GLOB	UNIF	WV	0	1
1537	LOAD	X	701	806	16.72	10	16.72	08					GLOB	UNIF	WV	0	1
1538	LOAD	Y	701	806	16.72	08	16.72	06					GLOB	UNIF	WV	0	1
1539	LOAD	Z	701	806	16.72	04	16.72	03					GLOB	UNIF	WV	0	1
1540	LOAD	X	701	806	33.44	08	16.72	06					GLOB	UNIF	WV	0	1
1541	LOAD	Y	701	806	33.44	06	16.72	05					GLOB	UNIF	WV	0	1
1542	LOAD	Z	701	806	33.44	03	16.72	03					GLOB	UNIF	WV	0	1
1543	LOAD	X	703	801	0.00	1	16.72	1					GLOB	UNIF	WV	0	1
1544	LOAD	Y	703	801	0.00	15	16.72	13					GLOB	UNIF	WV	0	1
1545	LOAD	Z	703	801	0.00	1	16.72	1					GLOB	UNIF	WV	0	1
1546	LOAD	X	703	801	16.72	1	16.72	1					GLOB	UNIF	WV	0	1
1547	LOAD	Y	703	801	16.72	13	16.72	11					GLOB	UNIF	WV	0	1
1548	LOAD	Z	703	801	16.72	1	16.72	1					GLOB	UNIF	WV	0	1
1549	LOAD	X	703	801	33.44	1	16.72	1					GLOB	UNIF	WV	0	1
1550	LOAD	Y	703	801	33.44	11	16.72	09					GLOB	UNIF	WV	0	1
1551	LOAD	Z	703	801	33.44	1	16.72	1					GLOB	UNIF	WV	0	1
1552	LOAD	X	706	803	0.00	02	25.08	02					GLOB	UNIF	WV	0	1
1553	LOAD	Y	706	803	0.00	03	25.08	03					GLOB	UNIF	WV	0	1
1554	LOAD	Z	706	803	0.00-	05	25.08-	05					GLOB	UNIF	WV	0	1
1555	LOAD	X	706	803	25.08	02	25.08	1					GLOB	UNIF	WV	0	1
1556	LOAD	Y	706	803	25.08	03	25.08	03					GLOB	UNIF	WV	0	1
1557	LOAD	Z	706	803	25.08-	05	25.08-	05					GLOB	UNIF	WV	0	1
1558	LOAD	Y	801	802	0.00	05	22.79	05					GLOB	UNIF	WV	0	1
1559	LOAD	Z	801	802	0.00		22.79-	1					GLOB	UNIF	WV	0	1
1560	LOAD	Y	802	803	0.00	05	22.79	05					GLOB	UNIF	WV	0	1
1561	LOAD	Z	802	803	0.00-	1	22.79-	02					GLOB	UNIF	WV	0	1
1562	LOAD	Z	803	805	0.00-	02	22.79-	1					GLOB	UNIF	WV	0	1
1563	LOAD	Z	805	806	0.00-	1	11.40-	1					GLOB	UNIF	WV	0	1
1564	LOAD	Z	805	806	11.40-	1	11.40						GLOB	UNIF	WV	0	1
1565	LOAD	X	801	804	0.00	05	22.79	05					GLOB	UNIF	WV	0	1
1566	LOAD	Y	801	804	0.00	03	22.79	03					GLOB	UNIF	WV	0	1
1567	LOAD	X	804	806	0.00	05	22.80	04					GLOB	UNIF	WV	0	1
1568	LOAD	Y	804	806	0.00	03	22.80	03					GLOB	UNIF	WV	0	1

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LINE NO.																					
1569	LOAD	Z	804	806	0.00		22.80	1					GLOB	UNIF		WV	0	1			
1570	LOAD	Z	802	804	0.00-	1	11.40-	1					GLOB	UNIF		WV	0	1			
1571	LOAD	Z	802	804	11.40-	1	11.40-	1					GLOB	UNIF		WV	0	1			
1572	LOAD	X	802	805	0.00	04	22.80	04					GLOB	UNIF		WV	0	1			
1573	LOAD	Y	802	805	0.00	02	22.80	02					GLOB	UNIF		WV	0	1			
1574	LOAD	Z	802	805	0.00-	1	22.80						GLOB	UNIF		WV	0	1			
1575	LOAD	Y	804	805	0.00	05	22.80	05					GLOB	UNIF		WV	0	1			
1576	LOAD	X	801	903	0.00	02	19.87	02					GLOB	UNIF		WV	0	1			
1577	LOAD	Y	801	903	0.00	06	19.87	06					GLOB	UNIF		WV	0	1			
1578	LOAD	Z	801	903	0.00-	03	19.87-	03					GLOB	UNIF		WV	0	1			
1579	LOAD	X	801	903	19.87	02	19.87	1					GLOB	UNIF		WV	0	1			
1580	LOAD	Y	801	903	19.87	06	19.87	05					GLOB	UNIF		WV	0	1			
1581	LOAD	Z	801	903	19.87-	03	19.87-	03					GLOB	UNIF		WV	0	1			
1582	LOAD	X	801	903	39.73	1	19.87	1					GLOB	UNIF		WV	0	1			
1583	LOAD	Y	801	903	39.73	05	19.87	04					GLOB	UNIF		WV	0	1			
1584	LOAD	Z	801	903	39.73-	03	19.87-	02					GLOB	UNIF		WV	0	1			
1585	LOAD	X	803	906	0.00		19.87	1					GLOB	UNIF		WV	0	1			
1586	LOAD	Y	803	906	0.00		19.87	1					GLOB	UNIF		WV	0	1			
1587	LOAD	Z	803	906	0.00		19.87	02					GLOB	UNIF		WV	0	1			
1588	LOAD	X	803	906	19.87	1	19.87	1					GLOB	UNIF		WV	0	1			
1589	LOAD	Y	803	906	19.87	1	19.87	1					GLOB	UNIF		WV	0	1			
1590	LOAD	Z	803	906	19.87	02	19.87	02					GLOB	UNIF		WV	0	1			
1591	LOAD	X	803	906	39.73	1	19.87	1					GLOB	UNIF		WV	0	1			
1592	LOAD	Y	803	906	39.73	1	19.87	1					GLOB	UNIF		WV	0	1			
1593	LOAD	Z	803	906	39.73	02	19.87	02					GLOB	UNIF		WV	0	1			
1594	LOAD	X	806	901	0.00	06	19.87	05					GLOB	UNIF		WV	0	1			
1595	LOAD	Y	806	901	0.00	05	19.87	05					GLOB	UNIF		WV	0	1			
1596	LOAD	Z	806	901	0.00-	02	19.87-	02					GLOB	UNIF		WV	0	1			
1597	LOAD	X	806	901	19.87	05	19.87	04					GLOB	UNIF		WV	0	1			
1598	LOAD	Y	806	901	19.87	05	19.87	04					GLOB	UNIF		WV	0	1			
1599	LOAD	Z	806	901	19.87-	02	19.87-	02					GLOB	UNIF		WV	0	1			
1600	LOAD	X	806	901	39.74	04	19.87	04					GLOB	UNIF		WV	0	1			
1601	LOAD	Y	806	901	39.74	04	19.87	04					GLOB	UNIF		WV	0	1			
1602	LOAD	Z	806	901	39.74-	02	19.87-	02					GLOB	UNIF		WV	0	1			
1603	LOAD	Y	901	902	0.00	04	27.42	04					GLOB	UNIF		WV	0	1			
1604	LOAD	Z	901	902	0.00		27.42-	1					GLOB	UNIF		WV	0	1			
1605	LOAD	Y	902	903	0.00	04	27.42	03					GLOB	UNIF		WV	0	1			
1606	LOAD	Z	902	903	0.00-	1	27.42-	1					GLOB	UNIF		WV	0	1			
1607	LOAD	Z	903	905	0.00-	1	27.41-	1					GLOB	UNIF		WV	0	1			
1608	LOAD	Z	905	906	0.00-	1	27.42						GLOB	UNIF		WV	0	1			
1609	LOAD	X	901	904	0.00	03	27.41	03					GLOB	UNIF		WV	0	1			
1610	LOAD	Y	901	904	0.00	02	27.41	02					GLOB	UNIF		WV	0	1			
1611	LOAD	X	904	906	0.00	03	27.42	03					GLOB	UNIF		WV	0	1			
1612	LOAD	Y	904	906	0.00	02	27.42	02					GLOB	UNIF		WV	0	1			
1613	LOAD	Z	902	904	0.00-	1	27.41						GLOB	UNIF		WV	0	1			
1614	LOAD	X	902	905	0.00	03	27.41	03					GLOB	UNIF		WV	0	1			
1615	LOAD	Y	902	905	0.00	1	27.41	1					GLOB	UNIF		WV	0	1			
1616	LOAD	Y	904	905	0.00	03	27.42	03					GLOB	UNIF		WV	0	1			
1617	LOAD	X	9011	002	0.00	02	14.08	1					GLOB	UNIF		WV	0	1			

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                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1618	LOAD	Y	9011002	0.00	04	14.08	04						GLOB	UNIF	WV	0	1	
1619	LOAD	Z	9011002	0.00-	02	14.08-	1						GLOB	UNIF	WV	0	1	
1620	LOAD	X	9011002	14.08	1	14.08	1						GLOB	UNIF	WV	0	1	
1621	LOAD	Y	9011002	14.08	04	14.08	03						GLOB	UNIF	WV	0	1	
1622	LOAD	Z	9011002	14.08-	1	14.08-	1						GLOB	UNIF	WV	0	1	
1623	LOAD	X	9011002	28.15	1	14.08	1						GLOB	UNIF	WV	0	1	
1624	LOAD	Y	9011002	28.15	03	14.08	03						GLOB	UNIF	WV	0	1	
1625	LOAD	Z	9011002	28.15-	1	14.08-	1						GLOB	UNIF	WV	0	1	
1626	LOAD	X	9031002	0.00	1	14.08	1						GLOB	UNIF	WV	0	1	
1627	LOAD	Y	9031002	0.00	04	14.08	04						GLOB	UNIF	WV	0	1	
1628	LOAD	Z	9031002	0.00		14.08	1						GLOB	UNIF	WV	0	1	
1629	LOAD	X	9031002	14.08	1	14.08	1						GLOB	UNIF	WV	0	1	
1630	LOAD	Y	9031002	14.08	4	14.08	04						GLOB	UNIF	WV	0	1	
1631	LOAD	Z	9031002	14.08	1	14.08	1						GLOB	UNIF	WV	0	1	
1632	LOAD	X	9031002	28.15	1	14.08	1						GLOB	UNIF	WV	0	1	
1633	LOAD	Y	9031002	28.15	04	14.08	03						GLOB	UNIF	WV	0	1	
1634	LOAD	Z	9031002	28.15	1	14.08	1						GLOB	UNIF	WV	0	1	
1635	LOAD	X	9031005	0.00	1	14.08	1						GLOB	UNIF	WV	0	1	
1636	LOAD	Y	9031005	0.00	1	14.08	1						GLOB	UNIF	WV	0	1	
1637	LOAD	Z	9031005	0.00	1	14.08	02						GLOB	UNIF	WV	0	1	
1638	LOAD	X	9031005	14.08	1	14.08	1						GLOB	UNIF	WV	0	1	
1639	LOAD	Y	9031005	14.08	1	14.08	02						GLOB	UNIF	WV	0	1	
1640	LOAD	Z	9031005	14.08	02	14.08	02						GLOB	UNIF	WV	0	1	
1641	LOAD	X	9031005	28.15	1	14.08	1						GLOB	UNIF	WV	0	1	
1642	LOAD	Y	9031005	28.15	02	14.08	02						GLOB	UNIF	WV	0	1	
1643	LOAD	Z	9031005	28.15	02	14.08	02						GLOB	UNIF	WV	0	1	
1644	LOAD	X	9061005	0.00	1	14.07	1						GLOB	UNIF	WV	0	1	
1645	LOAD	Y	9061005	0.00	02	14.07	02						GLOB	UNIF	WV	0	1	
1646	LOAD	Z	9061005	0.00-	02	14.07-	02						GLOB	UNIF	WV	0	1	
1647	LOAD	X	9061005	14.07	1	14.07	1						GLOB	UNIF	WV	0	1	
1648	LOAD	Y	9061005	14.07	02	14.07	02						GLOB	UNIF	WV	0	1	
1649	LOAD	Z	9061005	14.07-	02	14.07-	02						GLOB	UNIF	WV	0	1	
1650	LOAD	X	9061005	28.15	1	14.07	1						GLOB	UNIF	WV	0	1	
1651	LOAD	Y	9061005	28.15	02	14.07	02						GLOB	UNIF	WV	0	1	
1652	LOAD	Z	9061005	28.15-	02	14.07-	02						GLOB	UNIF	WV	0	1	
1653	LOAD	X	9011004	0.00	03	14.08	03						GLOB	UNIF	WV	0	1	
1654	LOAD	Y	9011004	0.00	03	14.08	03						GLOB	UNIF	WV	0	1	
1655	LOAD	Z	9011004	0.00	1	14.08	1						GLOB	UNIF	WV	0	1	
1656	LOAD	X	9011004	14.08	03	14.08	03						GLOB	UNIF	WV	0	1	
1657	LOAD	Y	9011004	14.08	03	14.08	03						GLOB	UNIF	WV	0	1	
1658	LOAD	Z	9011004	14.08	1	14.08	1						GLOB	UNIF	WV	0	1	
1659	LOAD	X	9011004	28.15	03	14.08	02						GLOB	UNIF	WV	0	1	
1660	LOAD	Y	9011004	28.15	03	14.08	02						GLOB	UNIF	WV	0	1	
1661	LOAD	Z	9011004	28.15	1	14.08	1						GLOB	UNIF	WV	0	1	
1662	LOAD	X	9061004	0.00	03	14.07	03						GLOB	UNIF	WV	0	1	
1663	LOAD	Y	9061004	0.00	04	14.07	03						GLOB	UNIF	WV	0	1	
1664	LOAD	Z	9061004	0.00-	1	14.07-	1						GLOB	UNIF	WV	0	1	
1665	LOAD	X	9061004	14.07	03	14.07	02						GLOB	UNIF	WV	0	1	
1666	LOAD	Y	9061004	14.07	03	14.07	03						GLOB	UNIF	WV	0	1	

STRAN INPUT DATA

U.S. NAVY - ACHR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
1667	LOAD Z 9061004 14.07- 1 14.07- 1 GLOB UNIF WV 0 1
1668	LOAD X 9061004 28.15 02 14.07 02 GLOB UNIF WV 0 1
1669	LOAD Y 9061004 28.15 03 14.07 03 GLOB UNIF WV 0 1
1670	LOAD Z 9061004 28.15- 1 14.07- 1 GLOB UNIF WV 0 1
1671	LOAD Y 10011002 0.00 03 32.04 03 GLOB UNIF WV 0 1
1672	LOAD Y 10021003 0.00 03 16.02 03 GLOB UNIF WV 0 1
1673	LOAD Y 10021003 16.02 03 16.02 03 GLOB UNIF WV 0 1
1674	LOAD X 10011004 0.00 03 32.04 03 GLOB UNIF WV 0 1
1675	LOAD Y 10011004 0.00 02 32.04 02 GLOB UNIF WV 0 1
1676	LOAD X 10041006 0.00 03 32.04 03 GLOB UNIF WV 0 1
1677	LOAD Y 10041006 0.00 02 32.04 02 GLOB UNIF WV 0 1
1678	LOAD X 10021005 0.00 02 32.04 02 GLOB UNIF WV 0 1
1679	LOAD Y 10021005 0.00 1 32.04 1 GLOB UNIF WV 0 1
1680	LOAD Y 10041005 0.00 02 32.04 02 GLOB UNIF WV 0 1
1681	LOAD X 301 401 27.85 17 .65 17 GLOB UNIF WV 0 1
1682	LOAD Y 301 401 27.85 29 .65 29 GLOB UNIF WV 0 1
1683	LOAD X 303 403 26.44 18 2.06 17 GLOB UNIF WV 0 1
1684	LOAD Y 303 403 26.44 32 2.06 30 GLOB UNIF WV 0 1
1685	LOAD X 401 501 0.00 27 4.56 25 GLOB UNIF WV 0 1
1686	LOAD Y 401 501 0.00 49 4.56 45 GLOB UNIF WV 0 1
1687	LOAD X 403 503 0.00 28 4.56 26 GLOB UNIF WV 0 1
1688	LOAD Y 403 503 0.00 48 4.56 44 GLOB UNIF WV 0 1
1689	LOAD Z 403 503 0.00- 08 4.56- 07 GLOB UNIF WV 0 1
1690	LOAD X 406 506 1.51 26 3.05 25 GLOB UNIF WV 0 1
1691	LOAD Y 406 506 1.51 45 3.05 42 GLOB UNIF WV 0 1
1692	LOAD Z 406 506 1.51 07 3.05 07 GLOB UNIF WV 0 1
1693	LOAD X 501 601 0.00 25 3.04 23 GLOB UNIF WV 0 1
1694	LOAD Y 501 601 0.00 45 3.04 42 GLOB UNIF WV 0 1
1695	LOAD X 501 601 3.04 23 3.04 22 GLOB UNIF WV 0 1
1696	LOAD Y 501 601 3.04 42 3.04 40 GLOB UNIF WV 0 1
1697	LOAD X 503 603 0.00 26 3.04 24 GLOB UNIF WV 0 1
1698	LOAD Y 503 603 0.00 44 3.04 41 GLOB UNIF WV 0 1
1699	LOAD Z 503 603 0.00- 07 3.04- 07 GLOB UNIF WV 0 1
1700	LOAD X 503 603 3.04 24 3.04 23 GLOB UNIF WV 0 1
1701	LOAD Y 503 603 3.04 41 3.04 39 GLOB UNIF WV 0 1
1702	LOAD Z 503 603 3.04- 07 3.04- 06 GLOB UNIF WV 0 1
1703	LOAD X 506 606 0.00 25 3.04 23 GLOB UNIF WV 0 1
1704	LOAD Y 506 606 0.00 42 3.04 40 GLOB UNIF WV 0 1
1705	LOAD Z 506 606 0.00 07 3.04 07 GLOB UNIF WV 0 1
1706	LOAD X 506 606 3.04 23 3.04 22 GLOB UNIF WV 0 1
1707	LOAD Y 506 606 3.04 40 3.04 37 GLOB UNIF WV 0 1
1708	LOAD Z 506 606 3.04 07 3.04 06 GLOB UNIF WV 0 1
1709	LOAD X 601 621 0.00 21 3.35 19 GLOB UNIF WV 0 1
1710	LOAD Y 601 621 0.00 41 3.35 38 GLOB UNIF WV 0 1
1711	LOAD Z 601 621 0.00- 1 3.35- 1 GLOB UNIF WV 0 1
1712	LOAD X 601 621 3.35 19 3.35 18 GLOB UNIF WV 0 1
1713	LOAD Y 601 621 3.35 38 3.35 36 GLOB UNIF WV 0 1
1714	LOAD Z 601 621 3.35- 1 3.35- 1 GLOB UNIF WV 0 1
1715	LOAD X 603 623 0.00 19 3.35 18 GLOB UNIF WV 0 1

LINE NO.	1	2	3	4	5	6	7	8
1716	LOAD Y 603 623	0.00	34	3.35	32	GLOB UNIF	HV 0 1	
1717	LOAD Z 603 623	0.00-	17	3.35-	16	GLOB UNIF	HV 0 1	
1718	LOAD X 603 623	3.35	18	3.35	17	GLOB UNIF	HV 0 1	
1719	LOAD Y 603 623	3.35	32	3.35	30	GLOB UNIF	HV 0 1	
1720	LOAD Z 603 623	3.35-	16	3.35-	15	GLOB UNIF	HV 0 1	
1721	LOAD X 606 626	0.00	23	3.35	21	GLOB UNIF	HV 0 1	
1722	LOAD Y 606 626	0.00	33	3.35	31	GLOB UNIF	HV 0 1	
1723	LOAD Z 606 626	0.00	16	3.35	15	GLOB UNIF	HV 0 1	
1724	LOAD X 606 626	3.35	21	3.35	20	GLOB UNIF	HV 0 1	
1725	LOAD Y 606 626	3.35	31	3.35	29	GLOB UNIF	HV 0 1	
1726	LOAD Z 606 626	3.35	15	3.35	14	GLOB UNIF	HV 0 1	
1727	LOAD X 621 651	0.00	34	3.04	32	GLOB UNIF	HV 0 1	
1728	LOAD Y 621 651	0.00	53	3.04	49	GLOB UNIF	HV 0 1	
1729	LOAD X 621 651	3.04	32	3.04	30	GLOB UNIF	HV 0 1	
1730	LOAD Y 621 651	3.04	49	3.04	46	GLOB UNIF	HV 0 1	
1731	LOAD X 623 653	0.00	24	3.04	22	GLOB UNIF	HV 0 1	
1732	LOAD Y 623 653	0.00	48	3.04	45	GLOB UNIF	HV 0 1	
1733	LOAD Z 623 653	0.00	07	3.04	07	GLOB UNIF	HV 0 1	
1734	LOAD X 623 653	3.04	22	3.04	21	GLOB UNIF	HV 0 1	
1735	LOAD Y 623 653	3.04	45	3.04	42	GLOB UNIF	HV 0 1	
1736	LOAD Z 623 653	3.04	07	3.04	06	GLOB UNIF	HV 0 1	
1737	LOAD X 626 656	0.00	29	6.08	26	GLOB UNIF	HV 0 1	
1738	LOAD Y 626 656	0.00	50	6.08	45	GLOB UNIF	HV 0 1	
1739	LOAD Z 626 656	0.00-	08	6.08-	08	GLOB UNIF	HV 0 1	
1740	LOAD X 651 701	0.00	25	3.55	23	GLOB UNIF	HV 0 1	
1741	LOAD Y 651 701	0.00	44	3.55	40	GLOB UNIF	HV 0 1	
1742	LOAD X 651 701	3.55	23	3.55	22	GLOB UNIF	HV 0 1	
1743	LOAD Y 651 701	3.55	46	3.55	43	GLOB UNIF	HV 0 1	
1744	LOAD X 656 706	0.00	28	3.55	26	GLOB UNIF	HV 0 1	
1745	LOAD Y 656 706	0.00	47	3.55	43	GLOB UNIF	HV 0 1	
1746	LOAD Z 656 706	0.00	08	3.55	07	GLOB UNIF	HV 0 1	
1747	LOAD X 656 706	3.55	26	3.55	25	GLOB UNIF	HV 0 1	
1748	LOAD Y 656 706	3.55	43	3.55	41	GLOB UNIF	HV 0 1	
1749	LOAD Z 656 706	3.55	07	3.55	07	GLOB UNIF	HV 0 1	
1750	LOAD X 653 703	0.00	28	3.55	26	GLOB UNIF	HV 0 1	
1751	LOAD Y 653 703	0.00	45	3.55	42	GLOB UNIF	HV 0 1	
1752	LOAD Z 653 703	0.00-	08	3.55-	07	GLOB UNIF	HV 0 1	
1753	LOAD X 653 703	3.55	26	3.55	24	GLOB UNIF	HV 0 1	
1754	LOAD Y 653 703	3.55	42	3.55	38	GLOB UNIF	HV 0 1	
1755	LOAD Z 653 703	3.55-	07	3.55-	07	GLOB UNIF	HV 0 1	
1756	LOAD X 701 801	0.00	21	9.46	17	GLOB UNIF	HV 0 1	
1757	LOAD Y 701 801	0.00	42	9.46	35	GLOB UNIF	HV 0 1	
1758	LOAD X 701 801	9.46	17	9.46	14	GLOB UNIF	HV 0 1	
1759	LOAD Y 701 801	9.46	35	9.46	29	GLOB UNIF	HV 0 1	
1760	LOAD X 701 801	18.92	14	9.46	12	GLOB UNIF	HV 0 1	
1761	LOAD Y 701 801	18.92	29	9.46	25	GLOB UNIF	HV 0 1	
1762	LOAD X 703 803	0.00	23	9.46	19	GLOB UNIF	HV 0 1	
1763	LOAD Y 703 803	0.00	36	9.46	30	GLOB UNIF	HV 0 1	
1764	LOAD Z 703 803	0.00-	06	9.46-	05	GLOB UNIF	HV 0 1	

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5		1 1	2 2	3 3	4 4	5 5	6 6	7 7	8
			0...5	0...5	0...5	0...5	0...5	0...5	0...5	0
1765	LOAD	X	703 803	9.46 19	9.46 16			GLOB UNIF	WV 0 1	
1766	LOAD	Y	703 803	9.46 30	9.46 25			GLOB UNIF	WV 0 1	
1767	LOAD	Z	703 803	9.46- 05	9.46- 04			GLOB UNIF	WV 0 1	
1768	LOAD	X	703 803	18.92 18	9.46 13			GLOB UNIF	WV 0 1	
1769	LOAD	Y	703 803	18.92 25	9.46 20			GLOB UNIF	WV 0 1	
1770	LOAD	Z	703 803	18.92- 04	9.46- 04			GLOB UNIF	WV 0 1	
1771	LOAD	X	706 806	0.00 24	9.46 20			GLOB UNIF	WV 0 1	
1772	LOAD	Y	706 806	0.00 39	9.46 33			GLOB UNIF	WV 0 1	
1773	LOAD	Z	706 806	0.00 07	9.46 05			GLOB UNIF	WV 0 1	
1774	LOAD	X	706 806	9.46 20	9.46 17			GLOB UNIF	WV 0 1	
1775	LOAD	Y	706 806	9.46 33	9.46 28			GLOB UNIF	WV 0 1	
1776	LOAD	Z	706 806	9.46 05	9.46 05			GLOB UNIF	WV 0 1	
1777	LOAD	X	706 806	18.92 17	9.46 15			GLOB UNIF	WV 0 1	
1778	LOAD	Y	706 806	18.92 28	9.46 24			GLOB UNIF	WV 0 1	
1779	LOAD	Z	706 806	18.92 05	9.46 04			GLOB UNIF	WV 0 1	
1780	LOAD	X	801 901	0.00 12	10.81 11			GLOB UNIF	WV 0 1	
1781	LOAD	Y	801 901	0.00 25	10.81 21			GLOB UNIF	WV 0 1	
1782	LOAD	X	801 901	10.81 11	10.81 09			GLOB UNIF	WV 0 1	
1783	LOAD	Y	801 901	10.81 21	10.81 18			GLOB UNIF	WV 0 1	
1784	LOAD	X	801 901	21.63 09	10.81 08			GLOB UNIF	WV 0 1	
1785	LOAD	Y	801 901	21.63 18	10.81 16			GLOB UNIF	WV 0 1	
1786	LOAD	X	803 903	0.00 13	10.81 11			GLOB UNIF	WV 0 1	
1787	LOAD	Y	803 903	0.00 20	10.81 17			GLOB UNIF	WV 0 1	
1788	LOAD	Z	803 903	0.00- 04	10.81- 03			GLOB UNIF	WV 0 1	
1789	LOAD	X	803 903	10.81 11	10.81 09			GLOB UNIF	WV 0 1	
1790	LOAD	Y	803 903	10.81 17	10.81 14			GLOB UNIF	WV 0 1	
1791	LOAD	Z	803 903	10.81- 03	10.81- 02			GLOB UNIF	WV 0 1	
1792	LOAD	X	803 903	21.63 09	10.81 07			GLOB UNIF	WV 0 1	
1793	LOAD	Y	803 903	21.63 14	10.81 11			GLOB UNIF	WV 0 1	
1794	LOAD	Z	803 903	21.63- 02	10.81- 02			GLOB UNIF	WV 0 1	
1795	LOAD	X	806 906	0.00 15	10.81 13			GLOB UNIF	WV 0 1	
1796	LOAD	Y	806 906	0.00 24	10.81 21			GLOB UNIF	WV 0 1	
1797	LOAD	Z	806 906	0.00 04	10.81 03			GLOB UNIF	WV 0 1	
1798	LOAD	X	806 906	10.81 13	10.81 11			GLOB UNIF	WV 0 1	
1799	LOAD	Y	806 906	10.81 21	10.81 19			GLOB UNIF	WV 0 1	
1800	LOAD	Z	806 906	10.81 05	10.81 03			GLOB UNIF	WV 0 1	
1801	LOAD	X	806 906	21.63 11	10.81 10			GLOB UNIF	WV 0 1	
1802	LOAD	Y	806 906	21.63 19	10.81 17			GLOB UNIF	WV 0 1	
1803	LOAD	Z	806 906	21.63 03	10.81 05			GLOB UNIF	WV 0 1	
1804	LOAD	X	9011001	0.00 08	10.81 07			GLOB UNIF	WV 0 1	
1805	LOAD	Y	9011001	0.00 16	10.81 14			GLOB UNIF	WV 0 1	
1806	LOAD	X	9011001	10.81 07	10.81 07			GLOB UNIF	WV 0 1	
1807	LOAD	Y	9011001	10.81 14	10.81 13			GLOB UNIF	WV 0 1	
1808	LOAD	X	9011001	21.63 07	10.81 07			GLOB UNIF	WV 0 1	
1809	LOAD	Y	9011001	21.63 13	10.81 12			GLOB UNIF	WV 0 1	
1810	LOAD	X	9031003	0.00 07	10.81 06			GLOB UNIF	WV 0 1	
1811	LOAD	Y	9031003	0.00 11	10.81 09			GLOB UNIF	WV 0 1	
1812	LOAD	Z	9031003	0.00- 02	10.81- 02			GLOB UNIF	WV 0 1	
1813	LOAD	X	9031003	10.81 06	10.81 05			GLOB UNIF	WV 0 1	

LINE NO.	1...5		1...0	1...5	2...0	2...5	3...0	3...5	4...0	4...5	5...0	5...5	6...0	6...5	7...0	7...5	8...0
1814	LOAD	Y	9031003	10.81	09	10.81	08						GLOB	UNIF		WV 0 1	
1815	LOAD	Z	9031003	10.81-	02	10.81-	1						GLOB	UNIF		WV 0 1	
1816	LOAD	X	9031003	21.63	05	10.81	03						GLOB	UNIF		WV 0 1	
1817	LOAD	Y	9031003	21.63	08	10.81	06						GLOB	UNIF		WV 0 1	
1818	LOAD	Z	9031003	21.63-	1	10.81-	1						GLOB	UNIF		WV 0 1	
1819	LOAD	X	9061006	0.00	10	10.22	09						GLOB	UNIF		WV 0 1	
1820	LOAD	Y	9061006	0.00	17	10.22	15						GLOB	UNIF		WV 0 1	
1821	LOAD	Z	9061006	0.00	03	10.22	02						GLOB	UNIF		WV 0 1	
1822	LOAD	X	9061006	10.22	09	10.22	08						GLOB	UNIF		WV 0 1	
1823	LOAD	Y	9061006	10.22	15	10.22	14						GLOB	UNIF		WV 0 1	
1824	LOAD	Z	9061006	10.22	02	10.22	02						GLOB	UNIF		WV 0 1	
1825	LOADCN		0														
1826	LOAD	X	513 651	12.54-	06	5.66-	06						GLOB	UNIF		WV 0 2	
1827	LOAD	Y	513 651	12.54-	10	5.66-	10						GLOB	UNIF		WV 0 2	
1828	LOAD	X	514 653	14.75-	06	3.25-	05						GLOB	UNIF		WV 0 2	
1829	LOAD	Y	514 653	14.75-	10	3.25-	09						GLOB	UNIF		WV 0 2	
1830	LOAD	X	651 661	0.00-	1	5.00-	1						GLOB	UNIF		WV 0 2	
1831	LOAD	Z	651 661	0.00-	03	5.00-	03						GLOB	UNIF		WV 0 2	
1832	LOAD	X	653 663	0.00-	1	5.00-	1						GLOB	UNIF		WV 0 2	
1833	LOAD	Z	653 663	0.00-	02	5.00-	02						GLOB	UNIF		WV 0 2	
1834	LOAD	Y	661 662	0.00-	05	17.74-	05						GLOB	UNIF		WV 0 2	
1835	LOAD	Z	661 662	0.00-	05	17.74-	04						GLOB	UNIF		WV 0 2	
1836	LOAD	Y	662 663	0.00-	05	17.74-	06						GLOB	UNIF		WV 0 2	
1837	LOAD	Z	662 663	0.00-	04	17.74-	03						GLOB	UNIF		WV 0 2	
1838	LOAD	X	611 661	7.09-	03	5.03-	03						GLOB	UNIF		WV 0 2	
1839	LOAD	Y	611 661	7.09-	06	5.03-	05						GLOB	UNIF		WV 0 2	
1840	LOAD	X	612 662	8.17-	1	3.83-	1						GLOB	UNIF		WV 0 2	
1841	LOAD	Y	612 662	8.17-	03	3.83-	02						GLOB	UNIF		WV 0 2	
1842	LOAD	X	613 663	9.54-	03	2.79-	03						GLOB	UNIF		WV 0 2	
1843	LOAD	Y	613 663	9.54-	05	2.79-	05						GLOB	UNIF		WV 0 2	
1844	LOAD	X	622 703	5.02	1	6.25							GLOB	UNIF		WV 0 2	
1845	LOAD	Y	622 703	5.02-	06	6.25-	06						GLOB	UNIF		WV 0 2	
1846	LOAD	Y	622 703	9.27-	06	6.25-	06						GLOB	UNIF		WV 0 2	
1847	LOAD	Z	622 703	9.27		6.25	1						GLOB	UNIF		WV 0 2	
1848	LOAD	Y	622 703	15.52-	06	6.25-	05						GLOB	UNIF		WV 0 2	
1849	LOAD	Z	622 703	15.52	1	6.25	1						GLOB	UNIF		WV 0 2	
1850	LOAD	X	625 706	.24-	03	7.23-	02						GLOB	UNIF		WV 0 2	
1851	LOAD	Y	625 706	.24-	05	7.23-	04						GLOB	UNIF		WV 0 2	
1852	LOAD	Z	625 706	.24-	07	7.23-	07						GLOB	UNIF		WV 0 2	
1853	LOAD	X	625 706	7.47-	02	7.23-	02						GLOB	UNIF		WV 0 2	
1854	LOAD	Y	625 706	7.47-	04	7.23-	04						GLOB	UNIF		WV 0 2	
1855	LOAD	Z	625 706	7.47-	07	7.23-	06						GLOB	UNIF		WV 0 2	
1856	LOAD	X	625 706	14.70-	02	7.23-	02						GLOB	UNIF		WV 0 2	
1857	LOAD	Y	625 706	14.70-	04	7.23-	03						GLOB	UNIF		WV 0 2	
1858	LOAD	Z	625 706	14.70-	06	7.23-	05						GLOB	UNIF		WV 0 2	
1859	LOAD	X	506 624	18.62-	03	1.62-	03						GLOB	UNIF		WV 0 2	
1860	LOAD	Z	506 624	18.62-	03	1.62-	03						GLOB	UNIF		WV 0 2	
1861	LOAD	X	624 701	0.00-	06	7.31-	06						GLOB	UNIF		WV 0 2	
1862	LOAD	Y	624 701	0.00-	1	7.31-	02						GLOB	UNIF		WV 0 2	

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1	2	3	4	5	6	7	8
1883	LOAD Z	624 701	0.00- 03	7.31- 02		GLOB UNIF	WV 0 2	
1884	LOAD X	624 701	7.31- 06	7.31- 05		GLOB UNIF	WV 0 2	
1885	LOAD Y	624 701	7.31- 02	7.31- 02		GLOB UNIF	WV 0 2	
1886	LOAD Z	624 701	7.31- 02	7.31- 02		GLOB UNIF	WV 0 2	
1887	LOAD X	624 701	14.62- 05	7.31- 05		GLOB UNIF	WV 0 2	
1888	LOAD Y	624 701	14.62- 02	7.31- 02		GLOB UNIF	WV 0 2	
1889	LOAD Z	624 701	14.62- 02	7.31- 1		GLOB UNIF	WV 0 2	
1870	LOAD Y	701 702	0.00- 02	18.76- 03		GLOB UNIF	WV 0 2	
1871	LOAD Z	701 702	0.00- 04	18.76- 03		GLOB UNIF	WV 0 2	
1872	LOAD Y	702 703	0.00- 03	18.76- 03		GLOB UNIF	WV 0 2	
1873	LOAD Z	702 703	0.00- 03	18.76- 02		GLOB UNIF	WV 0 2	
1874	LOAD Z	703 705	0.00- 02	18.75- 04		GLOB UNIF	WV 0 2	
1875	LOAD Z	705 706	0.00- 04	18.76- 05		GLOB UNIF	WV 0 2	
1876	LOAD X	701 704	0.00- 02	18.75- 02		GLOB UNIF	WV 0 2	
1877	LOAD Y	701 704	0.00- 1	18.75- 1		GLOB UNIF	WV 0 2	
1878	LOAD Z	701 704	0.00- 04	18.75- 04		GLOB UNIF	WV 0 2	
1879	LOAD X	704 706	0.00- 02	18.76- 1		GLOB UNIF	WV 0 2	
1880	LOAD Y	704 706	0.00- 1	18.76- 1		GLOB UNIF	WV 0 2	
1881	LOAD Z	704 706	0.00- 04	18.76- 05		GLOB UNIF	WV 0 2	
1882	LOAD Z	702 704	0.00- 03	18.75- 04		GLOB UNIF	WV 0 2	
1883	LOAD X	702 705	0.00- 02	18.75- 02		GLOB UNIF	WV 0 2	
1884	LOAD Y	702 705	0.00- 1	18.75- 1		GLOB UNIF	WV 0 2	
1885	LOAD Z	702 705	0.00- 03	18.75- 04		GLOB UNIF	WV 0 2	
1886	LOAD Y	704 705	0.00- 02	18.76- 02		GLOB UNIF	WV 0 2	
1887	LOAD Z	704 705	0.00- 04	18.76- 04		GLOB UNIF	WV 0 2	
1888	LOAD X	701 806	0.00- 03	16.72- 03		GLOB UNIF	WV 0 2	
1889	LOAD Y	701 806	0.00- 05	16.72- 04		GLOB UNIF	WV 0 2	
1890	LOAD Z	701 806	0.00- 04	16.72- 03		GLOB UNIF	WV 0 2	
1891	LOAD X	701 806	16.72- 03	16.72- 02		GLOB UNIF	WV 0 2	
1892	LOAD Y	701 806	16.72- 04	16.72- 03		GLOB UNIF	WV 0 2	
1893	LOAD Z	701 806	16.72- 03	16.72- 03		GLOB UNIF	WV 0 2	
1894	LOAD X	701 806	33.44- 02	16.72- 02		GLOB UNIF	WV 0 2	
1895	LOAD Y	701 806	33.44- 03	16.72- 03		GLOB UNIF	WV 0 2	
1896	LOAD Z	701 806	33.44- 03	16.72- 02		GLOB UNIF	WV 0 2	
1897	LOAD X	703 801	0.00- 02	16.72- 02		GLOB UNIF	WV 0 2	
1898	LOAD Y	703 801	0.00- 06	16.72- 05		GLOB UNIF	WV 0 2	
1899	LOAD Z	703 801	0.00- 03	16.72- 02		GLOB UNIF	WV 0 2	
1900	LOAD X	703 801	16.72- 02	16.72- 02		GLOB UNIF	WV 0 2	
1901	LOAD Y	703 801	16.72- 05	16.72- 04		GLOB UNIF	WV 0 2	
1902	LOAD Z	703 801	16.72- 02	16.72- 02		GLOB UNIF	WV 0 2	
1903	LOAD X	703 801	33.44- 02	16.72- 1		GLOB UNIF	WV 0 2	
1904	LOAD Y	703 801	33.44- 04	16.72- 04		GLOB UNIF	WV 0 2	
1905	LOAD Z	703 801	33.44- 02	16.72- 02		GLOB UNIF	WV 0 2	
1906	LOAD X	706 803	0.00 1	16.72		GLOB UNIF	WV 0 2	
1907	LOAD Y	706 803	0.00 1	14.75		GLOB UNIF	WV 0 2	
1908	LOAD Z	706 803	0.00- 03	16.72		GLOB UNIF	WV 0 2	
1909	LOAD Y	706 803	16.72	16.72- 1		GLOB UNIF	WV 0 2	
1910	LOAD Z	706 803	16.72	16.72 02		GLOB UNIF	WV 0 2	
1911	LOAD X	706 803	33.44	16.72- 1		GLOB UNIF	WV 0 2	

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5				1 0	1 5	2 0	2 5	3 0	3 5	4 0	4 5	5 0	5 5	6 0	6 5	7 0	7 5	8 0
1912	LOAD	Y	706	803	33.44-		1		16.72-		1				GLOB	UNIF		WV	0 2
1913	LOAD	Z	706	803	33.44		02		16.72		02				GLOB	UNIF		WV	0 2
1914	LOAD	Y	801	802	0.00-		02		22.79-		02				GLOB	UNIF		WV	0 2
1915	LOAD	Z	801	802	0.00-		1		22.79-		1				GLOB	UNIF		WV	0 2
1916	LOAD	Y	802	803	0.00-		02		22.79-		02				GLOB	UNIF		WV	0 2
1917	LOAD	Z	802	803	0.00-		1		22.79-		1				GLOB	UNIF		WV	0 2
1918	LOAD	Z	803	805	0.00				22.79-		1				GLOB	UNIF		WV	0 2
1919	LOAD	Z	805	806	0.00-		1		11.40-		02				GLOB	UNIF		WV	0 2
1920	LOAD	Z	805	806	11.40-		02		11.40-		02				GLOB	UNIF		WV	0 2
1921	LOAD	X	801	804	0.00-		02		22.79-		1				GLOB	UNIF		WV	0 2
1922	LOAD	Y	801	804	0.00-		1		22.79-		1				GLOB	UNIF		WV	0 2
1923	LOAD	Z	801	804	0.00-		1		22.79-		02				GLOB	UNIF		WV	0 2
1924	LOAD	X	804	806	0.00-		1		22.80-		1				GLOB	UNIF		WV	0 2
1925	LOAD	Y	804	806	0.00-		1		22.80-		1				GLOB	UNIF		WV	0 2
1926	LOAD	Z	804	806	0.00-		02		22.80-		02				GLOB	UNIF		WV	0 2
1927	LOAD	Z	802	804	0.00-		1		22.80-		02				GLOB	UNIF		WV	0 2
1928	LOAD	X	802	805	0.00-		02		22.80-		1				GLOB	UNIF		WV	0 2
1929	LOAD	Y	802	805	0.00-		1		22.80-		1				GLOB	UNIF		WV	0 2
1930	LOAD	Z	802	805	0.00-		1		22.80-		1				GLOB	UNIF		WV	0 2
1931	LOAD	Y	804	805	0.00-		1		22.80-		02				GLOB	UNIF		WV	0 2
1932	LOAD	Z	804	805	0.00-		02		22.80-		1				GLOB	UNIF		WV	0 2
1933	LOAD	Y	801	903	0.00-		04		19.87-		03				GLOB	UNIF		WV	0 2
1934	LOAD	Z	801	903	0.00				19.87		1				GLOB	UNIF		WV	0 2
1935	LOAD	X	801	903	19.87				19.87-		1				GLOB	UNIF		WV	0 2
1936	LOAD	Y	801	903	19.87-		03		19.87-		03				GLOB	UNIF		WV	0 2
1937	LOAD	Z	801	903	19.87		1		19.87		1				GLOB	UNIF		WV	0 2
1938	LOAD	X	801	903	39.73-		1		19.87-		1				GLOB	UNIF		WV	0 2
1939	LOAD	Y	801	903	39.73-		03		19.87-		03				GLOB	UNIF		WV	0 2
1940	LOAD	Z	801	903	39.73		1		19.87		1				GLOB	UNIF		WV	0 2
1941	LOAD	X	803	905	0.00-		1		19.87-		1				GLOB	UNIF		WV	0 2
1942	LOAD	Y	803	905	0.00-		1		19.87-		1				GLOB	UNIF		WV	0 2
1943	LOAD	Z	803	905	0.00-		02		19.87-		02				GLOB	UNIF		WV	0 2
1944	LOAD	X	803	906	19.87-		1		19.87-		1				GLOB	UNIF		WV	0 2
1945	LOAD	Y	803	906	19.87-		1		19.87-		1				GLOB	UNIF		WV	0 2
1946	LOAD	Z	803	906	19.87-		02		19.87-		02				GLOB	UNIF		WV	0 2
1947	LOAD	X	803	906	39.73-		1		19.87-		1				GLOB	UNIF		WV	0 2
1948	LOAD	Y	803	906	39.73-		1		19.87-		1				GLOB	UNIF		WV	0 2
1949	LOAD	Z	803	906	39.73-		02		19.87-		02				GLOB	UNIF		WV	0 2
1950	LOAD	X	806	901	0.00-		03		19.87-		03				GLOB	UNIF		WV	0 2
1951	LOAD	Y	806	901	0.00-		1		19.87-		1				GLOB	UNIF		WV	0 2
1952	LOAD	Z	806	901	0.00-		1		19.87						GLOB	UNIF		WV	0 2
1953	LOAD	X	806	901	19.87-		03		19.87-		03				GLOB	UNIF		WV	0 2
1954	LOAD	Y	806	901	19.87-		1		19.87-		02				GLOB	UNIF		WV	0 2
1955	LOAD	X	806	901	39.74-		03		19.87-		02				GLOB	UNIF		WV	0 2
1956	LOAD	Y	806	901	39.74-		02		19.87-		02				GLOB	UNIF		WV	0 2
1957	LOAD	Z	806	901	39.74				19.87		1				GLOB	UNIF		WV	0 2
1958	LOAD	Y	901	902	0.00-		02		27.42-		02				GLOB	UNIF		WV	0 2
1959	LOAD	Y	902	903	0.00-		02		27.42-		02				GLOB	UNIF		WV	0 2
1960	LOAD	Z	905	906	13.71				13.71-		1				GLOB	UNIF		WV	0 2

STRAN INPUT DATA

U.S. NAVY - ACMV PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.																				
1961	LOAD	X	901	904	0.00-	02	27.41-	02					GLOB	UNIF		WV	0	2		
1962	LOAD	Y	901	904	0.00-	1	27.41-	1					GLOB	UNIF		WV	0	2		
1963	LOAD	X	904	906	0.00-	02	27.42-	1					GLOB	UNIF		WV	0	2		
1964	LOAD	Y	904	906	0.00-	1	27.42-	1					GLOB	UNIF		WV	0	2		
1965	LOAD	Z	904	906	0.00		27.42-	1					GLOB	UNIF		WV	0	2		
1966	LOAD	X	902	905	0.00-	1	27.41-	1					GLOB	UNIF		WV	0	2		
1967	LOAD	Y	902	905	0.00-	1	27.41-	1					GLOB	UNIF		WV	0	2		
1968	LOAD	Y	904	905	0.00-	1	27.42-	1					GLOB	UNIF		WV	0	2		
1969	LOAD	X	9011002		0.00-	1	21.11-	1					GLOB	UNIF		WV	0	2		
1970	LOAD	Y	9011002		0.00-	02	21.11-	02					GLOB	UNIF		WV	0	2		
1971	LOAD	Z	9011002		0.00	1	21.11	1					GLOB	UNIF		WV	0	2		
1972	LOAD	X	9011002		21.11-	1	21.11-	1					GLOB	UNIF		WV	0	2		
1973	LOAD	Y	9011002		21.11-	02	21.11-	02					GLOB	UNIF		WV	0	2		
1974	LOAD	Z	9011002		21.11	1	21.11	1					GLOB	UNIF		WV	0	2		
1975	LOAD	X	9031002		0.00-	1	42.23-	1					GLOB	UNIF		WV	0	2		
1976	LOAD	Y	9031002		0.00-	03	42.23-	02					GLOB	UNIF		WV	0	2		
1977	LOAD	Z	9031002		0.00		42.23-	1					GLOB	UNIF		WV	0	2		
1978	LOAD	X	9031005		0.00-	1	42.23-	1					GLOB	UNIF		WV	0	2		
1979	LOAD	Y	9031005		0.00-	1	42.23-	1					GLOB	UNIF		WV	0	2		
1980	LOAD	Z	9031005		0.00-	1	42.23-	1					GLOB	UNIF		WV	0	2		
1981	LOAD	X	9061005		0.00		14.07-	1					GLOB	UNIF		WV	0	2		
1982	LOAD	Y	9061005		0.00-	1	14.07-	1					GLOB	UNIF		WV	0	2		
1983	LOAD	Z	9061005		0.00	1	14.07	1					GLOB	UNIF		WV	0	2		
1984	LOAD	X	9061005		14.07-	1	14.07-	1					GLOB	UNIF		WV	0	2		
1985	LOAD	Y	9061005		14.07-	1	14.07-	1					GLOB	UNIF		WV	0	2		
1986	LOAD	Z	9061005		14.07	1	14.07	1					GLOB	UNIF		WV	0	2		
1987	LOAD	X	9061005		28.15-	1	14.07-	1					GLOB	UNIF		WV	0	2		
1988	LOAD	Y	9061005		28.15-	1	14.07-	1					GLOB	UNIF		WV	0	2		
1989	LOAD	Z	9061005		28.15	1	14.07	1					GLOB	UNIF		WV	0	2		
1990	LOAD	X	9011004		0.00-	02	42.23-	02					GLOB	UNIF		WV	0	2		
1991	LOAD	Y	9011004		0.00-	02	42.23-	02					GLOB	UNIF		WV	0	2		
1992	LOAD	Z	9011004		0.00-	1	42.23-	1					GLOB	UNIF		WV	0	2		
1993	LOAD	X	9061004		0.00-	02	14.07-	02					GLOB	UNIF		WV	0	2		
1994	LOAD	Y	9061004		0.00-	1	14.07-	02					GLOB	UNIF		WV	0	2		
1995	LOAD	X	9061004		14.07-	02	14.07-	02					GLOB	UNIF		WV	0	2		
1996	LOAD	Y	9061004		14.07-	02	14.07-	02					GLOB	UNIF		WV	0	2		
1997	LOAD	X	9061004		28.15-	02	14.07-	02					GLOB	UNIF		WV	0	2		
1998	LOAD	Y	9061004		28.15-	02	14.07-	02					GLOB	UNIF		WV	0	2		
1999	LOAD	Z	9061004		28.15		14.07	1					GLOB	UNIF		WV	0	2		
2000	LOAD	Y	10011002		0.00-	03	32.04-	03					GLOB	UNIF		WV	0	2		
2001	LOAD	Y	10021003		0.00-	03	32.04-	03					GLOB	UNIF		WV	0	2		
2002	LOAD	X	10011004		0.00-	02	32.04-	02					GLOB	UNIF		WV	0	2		
2003	LOAD	Y	10011004		0.00-	1	32.04-	1					GLOB	UNIF		WV	0	2		
2004	LOAD	X	10041006		0.00-	02	32.04-	02					GLOB	UNIF		WV	0	2		
2005	LOAD	Y	10041006		0.00-	1	32.04-	1					GLOB	UNIF		WV	0	2		
2006	LOAD	X	10021005		0.00-	1	32.04-	1					GLOB	UNIF		WV	0	2		
2007	LOAD	Y	10021005		0.00-	1	32.04-	1					GLOB	UNIF		WV	0	2		
2008	LOAD	Y	10041005		0.00-	1	32.04-	1					GLOB	UNIF		WV	0	2		
2009	LOAD	X	606	626	3.96-	09	2.74-	08					GLOB	UNIF		WV	0	2		

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5		1 1 6...0	6...5	2 2 6...0	6...5	3 3 6...0	6...5	4 4 6...0	6...5	5 5 6...0	6...5	6 6 6...0	6...5	7 7 6...0	6...5	8 6...0
2010	LOAD	Y	606	626	3.96-	14	2.74-	13					GLOB	UNIF	WV	0	2
2011	LOAD	Z	606	626	3.96-	07	2.74-	07					GLOB	UNIF	WV	0	2
2012	LOAD	X	621	651	.35-	18	5.74-	17					GLOB	UNIF	WV	0	2
2013	LOAD	Y	621	651	.35-	29	5.74-	27					GLOB	UNIF	WV	0	2
2014	LOAD	X	623	653	2.84-	14	3.24-	13					GLOB	UNIF	WV	0	2
2015	LOAD	Y	623	653	2.84-	26	3.24-	25					GLOB	UNIF	WV	0	2
2016	LOAD	Z	623	653	2.84-	04	3.24-	04					GLOB	UNIF	WV	0	2
2017	LOAD	X	626	656	0.00-	18	6.08-	16					GLOB	UNIF	WV	0	2
2018	LOAD	Y	626	656	0.00-	29	6.08-	27					GLOB	UNIF	WV	0	2
2019	LOAD	Z	626	656	0.00	05	6.08	04					GLOB	UNIF	WV	0	2
2020	LOAD	X	651	701	0.00-	15	7.10-	14					GLOB	UNIF	WV	0	2
2021	LOAD	Y	651	701	0.00-	29	7.10-	26					GLOB	UNIF	WV	0	2
2022	LOAD	X	656	706	0.00-	17	7.10-	16					GLOB	UNIF	WV	0	2
2023	LOAD	Y	656	706	0.00-	29	7.10-	27					GLOB	UNIF	WV	0	2
2024	LOAD	Z	656	706	0.00-	05	7.10-	04					GLOB	UNIF	WV	0	2
2025	LOAD	X	653	703	0.00-	16	7.10-	14					GLOB	UNIF	WV	0	2
2026	LOAD	Y	653	703	0.00-	26	7.10-	24					GLOB	UNIF	WV	0	2
2027	LOAD	Z	653	703	0.00	04	7.10	04					GLOB	UNIF	WV	0	2
2028	LOAD	X	701	801	0.00-	14	9.46-	12					GLOB	UNIF	WV	0	2
2029	LOAD	Y	701	801	0.00-	25	9.46-	23					GLOB	UNIF	WV	0	2
2030	LOAD	X	701	801	9.46-	12	9.46-	11					GLOB	UNIF	WV	0	2
2031	LOAD	Y	701	801	9.46-	23	9.46-	21					GLOB	UNIF	WV	0	2
2032	LOAD	X	701	801	18.92-	11	9.46-	10					GLOB	UNIF	WV	0	2
2033	LOAD	Y	701	801	18.92-	21	9.46-	19					GLOB	UNIF	WV	0	2
2034	LOAD	X	703	803	0.00-	14	9.46-	12					GLOB	UNIF	WV	0	2
2035	LOAD	Y	703	803	0.00-	23	9.46-	20					GLOB	UNIF	WV	0	2
2036	LOAD	Z	703	803	0.00	04	9.46	03					GLOB	UNIF	WV	0	2
2037	LOAD	X	703	803	9.46-	12	9.46-	11					GLOB	UNIF	WV	0	2
2038	LOAD	Y	703	803	9.46-	20	9.46-	18					GLOB	UNIF	WV	0	2
2039	LOAD	Z	703	803	9.46	03	9.46	03					GLOB	UNIF	WV	0	2
2040	LOAD	X	703	803	18.92-	11	9.46-	10					GLOB	UNIF	WV	0	2
2041	LOAD	Y	703	803	18.92-	18	9.46-	17					GLOB	UNIF	WV	0	2
2042	LOAD	Z	703	803	18.92	03	9.46	03					GLOB	UNIF	WV	0	2
2043	LOAD	X	706	806	0.00-	15	9.46-	13					GLOB	UNIF	WV	0	2
2044	LOAD	Y	706	806	0.00-	26	9.46-	23					GLOB	UNIF	WV	0	2
2045	LOAD	Z	706	806	0.00-	04	9.46-	04					GLOB	UNIF	WV	0	2
2046	LOAD	X	706	806	9.46-	13	9.46-	12					GLOB	UNIF	WV	0	2
2047	LOAD	Y	706	806	9.46-	23	9.46-	21					GLOB	UNIF	WV	0	2
2048	LOAD	Z	706	806	9.46-	04	9.46-	03					GLOB	UNIF	WV	0	2
2049	LOAD	X	706	806	18.92-	12	9.46-	11					GLOB	UNIF	WV	0	2
2050	LOAD	Y	706	806	18.92-	21	9.46-	19					GLOB	UNIF	WV	0	2
2051	LOAD	Z	706	806	18.92-	03	9.46-	03					GLOB	UNIF	WV	0	2
2052	LOAD	X	801	901	0.00-	10	10.81-	09					GLOB	UNIF	WV	0	2
2053	LOAD	Y	801	901	0.00-	19	10.81-	17					GLOB	UNIF	WV	0	2
2054	LOAD	X	801	901	10.81-	09	10.81-	09					GLOB	UNIF	WV	0	2
2055	LOAD	Y	801	901	10.81-	17	10.81-	16					GLOB	UNIF	WV	0	2
2056	LOAD	X	801	901	21.63-	09	10.81-	08					GLOB	UNIF	WV	0	2
2057	LOAD	Y	801	901	21.63-	16	10.81-	15					GLOB	UNIF	WV	0	2
2058	LOAD	X	803	903	0.00-	10	10.81-	09					GLOB	UNIF	WV	0	2

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    2059 LOAD Y  803 903     0.00-    17  10.81-    15                GLOB UNIF     WV 0 2
    2060 LOAD Z  803 903     0.00     03  10.81     03                GLOB UNIF     WV 0 2
    2061 LOAD X  803 903    10.81-    09  10.81-    08                GLOB UNIF     WV 0 2
    2062 LOAD Y  803 903    10.81-    15  10.81-    14                GLOB UNIF     WV 0 2
    2063 LOAD Z  803 903    10.81     03  10.81     02                GLOB UNIF     WV 0 2
    2064 LOAD X  803 903    21.63-    08  10.81-    08                GLOB UNIF     WV 0 2
    2065 LOAD Y  803 903    21.63-    14  10.81-    13                GLOB UNIF     WV 0 2
    2066 LOAD Z  803 903    21.63     02  10.81     02                GLOB UNIF     WV 0 2
    2067 LOAD X  806 906     0.00-    11  10.81-    10                GLOB UNIF     WV 0 2
    2068 LOAD Y  806 906     0.00-    19  10.81-    17                GLOB UNIF     WV 0 2
    2069 LOAD Z  806 906     0.00-    03  10.81-    03                GLOB UNIF     WV 0 2
    2070 LOAD X  806 906    10.81-    10  10.81-    09                GLOB UNIF     WV 0 2
    2071 LOAD Y  806 906    10.81-    17  10.81-    15                GLOB UNIF     WV 0 2
    2072 LOAD Z  806 906    10.81-    03  10.81-    03                GLOB UNIF     WV 0 2
    2073 LOAD X  806 906    21.63-    09  10.81-    08                GLOB UNIF     WV 0 2
    2074 LOAD Y  806 906    21.63-    15  10.81-    14                GLOB UNIF     WV 0 2
    2075 LOAD Z  806 906    21.63-    03  10.81-    02                GLOB UNIF     WV 0 2
    2076 LOAD X  9011001     0.00-    08  32.44-    08                GLOB UNIF     WV 0 2
    2077 LOAD Y  9011001     0.00-    15  32.44-    14                GLOB UNIF     WV 0 2
    2078 LOAD X  9031003     0.00-    08  32.44-    07                GLOB UNIF     WV 0 2
    2079 LOAD Y  9031003     0.00-    13  32.44-    12                GLOB UNIF     WV 0 2
    2080 LOAD Z  9031003     0.00     02  32.44     02                GLOB UNIF     WV 0 2
    2081 LOAD X  9061006     0.00-    08  16.22-    08                GLOB UNIF     WV 0 2
    2082 LOAD Y  9061006     0.00-    14  16.22-    13                GLOB UNIF     WV 0 2
    2083 LOAD Z  9061006     0.00-    02  16.22-    02                GLOB UNIF     WV 0 2
    2084 LOAD X  9061006    16.22-    08  16.22-    08                GLOB UNIF     WV 0 2
    2085 LOAD Y  9061006    16.22-    13  16.22-    13                GLOB UNIF     WV 0 2
    2086 LOAD Z  9061006    16.22-    02  16.22-    02                GLOB UNIF     WV 0 2
    2087 LOADCM  7
    2088 LOAD X  501 503    20.56     17  10.05     16                GLOB UNIF     WV 0 1
    2089 LOAD Y  501 503    20.56     50  10.05     51                GLOB UNIF     WV 0 1
    2090 LOAD Z  501 503    20.56-    17  10.05-    17                GLOB UNIF     WV 0 1
    2091 LOAD X  501 503    30.61     16  10.05     15                GLOB UNIF     WV 0 1
    2092 LOAD Y  501 503    30.61     51  10.05     45                GLOB UNIF     WV 0 1
    2093 LOAD Z  501 503    30.61-    17  10.05-    16                GLOB UNIF     WV 0 1
    2094 LOAD Y  501 502     0.00     26  15.15     26                GLOB UNIF     WV 0 1
    2095 LOAD Z  501 502     0.00     02  15.15                       GLOB UNIF     WV 0 1
    2096 LOAD Y  502 503     0.00     26  15.15     26                GLOB UNIF     WV 0 1
    2097 LOAD Z  502 503      .72         14.43-    02                GLOB UNIF     WV 0 1
    2098 LOAD Z  503 505     0.00-    03   5.05-    03                GLOB UNIF     WV 0 1
    2099 LOAD Z  503 505     5.05-    03   5.05-    03                GLOB UNIF     WV 0 1
    2100 LOAD Z  503 505    10.10-    03   5.05-    02                GLOB UNIF     WV 0 1
    2101 LOAD Z  505 506     0.00-    02   5.05-     1                GLOB UNIF     WV 0 1
    2102 LOAD Z  505 506     5.05-     1   5.05-     1                GLOB UNIF     WV 0 1
    2103 LOAD Z  505 506    10.10-     1   5.57                       GLOB UNIF     WV 0 1
    2104 LOAD X  501 504     0.00     22  15.15     22                GLOB UNIF     WV 0 1
    2105 LOAD Y  501 504     0.00     13  15.15     13                GLOB UNIF     WV 0 1
    2106 LOAD Z  501 504     0.00     02  15.15     04                GLOB UNIF     WV 0 1
    2107 LOAD X  504 506     0.00     22  15.15     21                GLOB UNIF     WV 0 1
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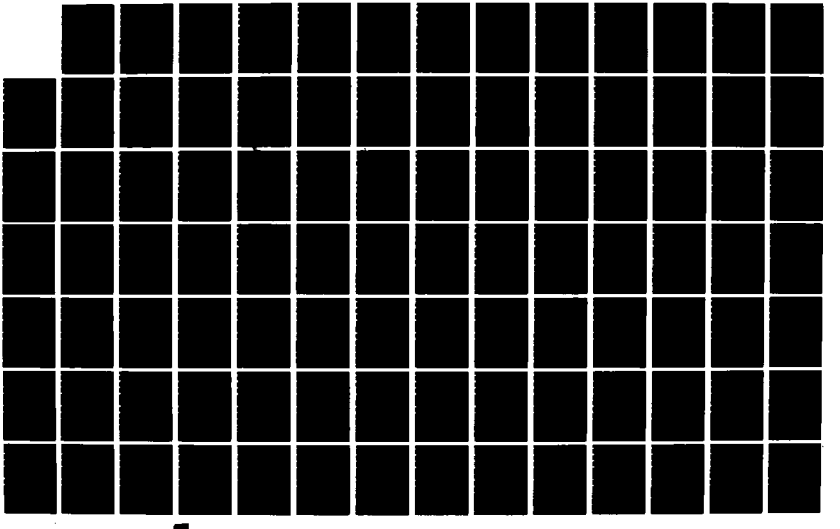
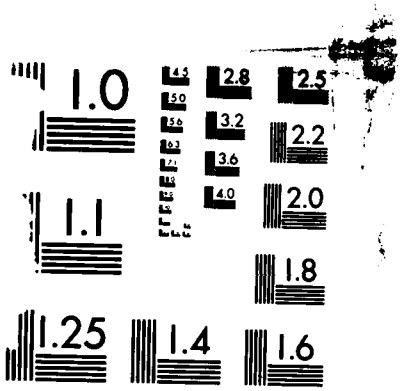
AD-A165 651 FATIGUE ANALYSIS EAST COAST AIR COMBAT MANEUVERING RANGE OFFSHORE KITTY H.. (U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-100 CHES/NAVFAC-FPO-7616 3/6

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5		1 0	1 5	2 0	2 5	3 0	3 5	4 0	4 5	5 0	5 5	6 0	6 5	7 0	7 5	8 0
2108	LOAD	Y	504	506	0.00		13	15.15	12				GLOB	UNIF		WV	0 1
2109	LOAD	Z	504	506	0.00		04	15.15	06				GLOB	UNIF		WV	0 1
2110	LOAD	Z	502	504	0.00-		02	5.05-	1				GLOB	UNIF		WV	0 1
2111	LOAD	Z	502	504	5.05-		1	5.05-	1				GLOB	UNIF		WV	0 1
2112	LOAD	Z	502	504	10.10-		1	5.05					GLOB	UNIF		WV	0 1
2113	LOAD	X	502	505	0.00		18	15.15	18				GLOB	UNIF		WV	0 1
2114	LOAD	Y	502	505	0.00		10	15.15	10				GLOB	UNIF		WV	0 1
2115	LOAD	Z	502	505	0.00		1	15.15	02				GLOB	UNIF		WV	0 1
2116	LOAD	Y	504	505	0.00		20	15.16	20				GLOB	UNIF		WV	0 1
2117	LOAD	Z	504	505	0.00		04	15.16	02				GLOB	UNIF		WV	0 1
2118	LOAD	X	501	513	0.00		13	2.99	13				GLOB	UNIF		WV	0 1
2119	LOAD	Y	501	513	0.00		22	2.99	22				GLOB	UNIF		WV	0 1
2120	LOAD	Z	501	513	0.00		03	2.99	03				GLOB	UNIF		WV	0 1
2121	LOAD	X	503	514	0.00-		03	2.99-	03				GLOB	UNIF		WV	0 1
2122	LOAD	Y	503	514	0.00		06	2.99	06				GLOB	UNIF		WV	0 1
2123	LOAD	Z	503	514	0.00-		1	2.99-	02				GLOB	UNIF		WV	0 1
2124	LOAD	X	513	651	0.00		44	6.00	39				GLOB	UNIF		WV	0 1
2125	LOAD	Y	513	651	0.00		75	6.00	68				GLOB	UNIF		WV	0 1
2126	LOAD	X	513	651	0.00		39	6.00	35				GLOB	UNIF		WV	0 1
2127	LOAD	Y	513	651	0.00		68	6.00	61				GLOB	UNIF		WV	0 1
2128	LOAD	X	513	651	12.00		35	6.00	32				GLOB	UNIF		WV	0 1
2129	LOAD	Y	513	651	12.00		61	6.00	55				GLOB	UNIF		WV	0 1
2130	LOAD	X	514	653	0.00		43	6.00	39				GLOB	UNIF		WV	0 1
2131	LOAD	Y	514	653	0.00		75	6.00	67				GLOB	UNIF		WV	0 1
2132	LOAD	X	514	653	0.00		39	6.00	35				GLOB	UNIF		WV	0 1
2133	LOAD	Y	514	653	0.00		67	6.00	60				GLOB	UNIF		WV	0 1
2134	LOAD	X	514	653	12.00		35	6.00	31				GLOB	UNIF		WV	0 1
2135	LOAD	Y	514	653	12.00		60	6.00	54				GLOB	UNIF		WV	0 1
2136	LOAD	X	601	611	0.00		07	6.00	07				GLOB	UNIF		WV	0 1
2137	LOAD	X	603	613	0.00		07	6.00	07				GLOB	UNIF		WV	0 1
2138	LOAD	Z	603	613	0.00-		02	6.00-	02				GLOB	UNIF		WV	0 1
2139	LOAD	X	651	661	0.00		06	5.00	06				GLOB	UNIF		WV	0 1
2140	LOAD	X	653	663	0.00		05	5.00	05				GLOB	UNIF		WV	0 1
2141	LOAD	Z	653	663	0.00-		02	5.00-	02				GLOB	UNIF		WV	0 1
2142	LOAD	Y	611	612	0.00		17	10.01	17				GLOB	UNIF		WV	0 1
2143	LOAD	Z	611	612	0.00		1	10.29					GLOB	UNIF		WV	0 1
2144	LOAD	Y	612	613	0.00		17	10.01	17				GLOB	UNIF		WV	0 1
2145	LOAD	Z	612	613	0.00			10.01-	02				GLOB	UNIF		WV	0 1
2146	LOAD	Y	661	662	0.00		32	17.74	31				GLOB	UNIF		WV	0 1
2147	LOAD	Z	661	662	0.00-		02	17.74-	05				GLOB	UNIF		WV	0 1
2148	LOAD	Y	662	663	0.00		31	17.74	31				GLOB	UNIF		WV	0 1
2149	LOAD	Z	662	663	0.00-		05	17.74-	08				GLOB	UNIF		WV	0 1
2150	LOAD	X	611	661	0.00		28	6.06	25				GLOB	UNIF		WV	0 1
2151	LOAD	Y	611	661	0.00		51	6.06	46				GLOB	UNIF		WV	0 1
2152	LOAD	Z	611	661	0.00		04	6.06	04				GLOB	UNIF		WV	0 1
2153	LOAD	X	611	661	6.06		25	6.06	23				GLOB	UNIF		WV	0 1
2154	LOAD	Y	611	661	6.06		46	6.06	41				GLOB	UNIF		WV	0 1
2155	LOAD	Z	611	661	6.06		04	6.06	03				GLOB	UNIF		WV	0 1
2156	LOAD	X	612	662	0.00		19	6.00	17				GLOB	UNIF		WV	0 1

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LINE NO.	1...5	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
		0....5	0....5	0....5	0....5	0....5	0....5	0....5	0....5	0....5	0....5	0....5	0....5	0....5	0....5	0
2157	LOAD Y	612	662	0.00	35	6.00	30					GLOB	UNIF	WV	0	1
2158	LOAD X	612	662	6.00	17	6.00	15					GLOB	UNIF	WV	0	1
2159	LOAD Y	612	662	6.00	30	6.00	27					GLOB	UNIF	WV	0	1
2160	LOAD X	613	663	0.00	30	4.04	28					GLOB	UNIF	WV	0	1
2161	LOAD Y	613	663	0.00	50	4.04	46					GLOB	UNIF	WV	0	1
2162	LOAD Z	613	663	0.00-	04	4.04-	04					GLOB	UNIF	WV	0	1
2163	LOAD X	613	663	4.04	28	4.04	26					GLOB	UNIF	WV	0	1
2164	LOAD Y	613	663	4.04	46	4.04	43					GLOB	UNIF	WV	0	1
2165	LOAD Z	613	663	4.04-	04	4.04-	04					GLOB	UNIF	WV	0	1
2166	LOAD X	613	663	8.08	26	4.04	24					GLOB	UNIF	WV	0	1
2167	LOAD Y	613	663	8.08	43	4.04	40					GLOB	UNIF	WV	0	1
2168	LOAD Z	613	663	8.08-	04	4.04-	03					GLOB	UNIF	WV	0	1
2169	LOAD X	501	622	0.00	04	10.21	05					GLOB	UNIF	WV	0	1
2170	LOAD Y	501	622	0.00	30	10.21	28					GLOB	UNIF	WV	0	1
2171	LOAD Z	501	622	0.00-	08	10.21-	09					GLOB	UNIF	WV	0	1
2172	LOAD X	501	622	10.21	05	10.21	05					GLOB	UNIF	WV	0	1
2173	LOAD Y	501	622	10.21	28	10.21	25					GLOB	UNIF	WV	0	1
2174	LOAD Z	501	622	10.21-	09	10.21-	09					GLOB	UNIF	WV	0	1
2175	LOAD X	622	703	0.00	09	10.89	09					GLOB	UNIF	WV	0	1
2176	LOAD Y	622	703	0.00	39	10.89	35					GLOB	UNIF	WV	0	1
2177	LOAD Z	622	703	0.00-	16	10.89-	15					GLOB	UNIF	WV	0	1
2178	LOAD X	622	703	10.89	09	10.89	09					GLOB	UNIF	WV	0	1
2179	LOAD Y	622	703	10.89	35	10.89	31					GLOB	UNIF	WV	0	1
2180	LOAD Z	622	703	10.89-	15	10.89-	15					GLOB	UNIF	WV	0	1
2181	LOAD X	503	625	0.00	05	20.25	05					GLOB	UNIF	WV	0	1
2182	LOAD Y	503	625	0.00	08	20.25	07					GLOB	UNIF	WV	0	1
2183	LOAD Z	503	625	0.00	10	20.25	12					GLOB	UNIF	WV	0	1
2184	LOAD X	625	706	0.00	08	10.96	08					GLOB	UNIF	WV	0	1
2185	LOAD Y	625	706	0.00	10	10.96	10					GLOB	UNIF	WV	0	1
2186	LOAD Z	625	706	0.00	17	10.96	17					GLOB	UNIF	WV	0	1
2187	LOAD X	625	706	10.96	08	10.96	07					GLOB	UNIF	WV	0	1
2188	LOAD Y	625	706	10.96	10	10.96	10					GLOB	UNIF	WV	0	1
2189	LOAD Z	625	706	10.96	17	10.96	17					GLOB	UNIF	WV	0	1
2190	LOAD X	506	624	0.00	25	10.12	22					GLOB	UNIF	WV	0	1
2191	LOAD Y	506	624	0.00	19	10.12	18					GLOB	UNIF	WV	0	1
2192	LOAD Z	506	624	0.00-	03	10.12-	04					GLOB	UNIF	WV	0	1
2193	LOAD X	506	624	10.12	22	10.12	20					GLOB	UNIF	WV	0	1
2194	LOAD Y	506	624	10.12	18	10.12	17					GLOB	UNIF	WV	0	1
2195	LOAD Z	506	624	10.12-	04	10.12-	04					GLOB	UNIF	WV	0	1
2196	LOAD X	624	701	0.00	31	10.97	27					GLOB	UNIF	WV	0	1
2197	LOAD Y	624	701	0.00	28	10.97	26					GLOB	UNIF	WV	0	1
2198	LOAD Z	624	701	0.00-	09	10.97-	09					GLOB	UNIF	WV	0	1
2199	LOAD X	624	701	10.97	27	10.97	24					GLOB	UNIF	WV	0	1
2200	LOAD Y	624	701	10.97	26	10.97	24					GLOB	UNIF	WV	0	1
2201	LOAD Z	624	701	10.97-	09	10.97-	09					GLOB	UNIF	WV	0	1
2202	LOAD Y	701	702	0.00	21	18.76	21					GLOB	UNIF	WV	0	1
2203	LOAD Z	701	702	1.10		17.66-	02					GLOB	UNIF	WV	0	1
2204	LOAD Y	702	703	0.00	21	18.76	20					GLOB	UNIF	WV	0	1
2205	LOAD Z	702	703	0.00-	02	18.76-	03					GLOB	UNIF	WV	0	1

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LINE NO.	1	2	3	4	5	6	7	8
2206	LOAD Z 703 705	0.00- 04	9.38- 03			GLOB UNIF	WV 0 1	
2207	LOAD Z 703 705	9.38- 03	9.38- 03			GLOB UNIF	WV 0 1	
2208	LOAD Z 705 706	0.00- 03	6.25- 02			GLOB UNIF	WV 0 1	
2209	LOAD Z 705 706	6.25- 02	6.25- 02			GLOB UNIF	WV 0 1	
2210	LOAD Z 705 706	12.51- 02	6.25- 1			GLOB UNIF	WV 0 1	
2211	LOAD X 701 704	0.00 10	18.75 18			GLOB UNIF	WV 0 1	
2212	LOAD Y 701 704	0.00 10	18.75 10			GLOB UNIF	WV 0 1	
2213	LOAD Z 701 704	0.00	18.75 02			GLOB UNIF	WV 0 1	
2214	LOAD X 704 706	0.00 18	18.76 17			GLOB UNIF	WV 0 1	
2215	LOAD Y 704 706	0.00 10	18.76 10			GLOB UNIF	WV 0 1	
2216	LOAD Z 704 706	0.00 02	18.76 03			GLOB UNIF	WV 0 1	
2217	LOAD Z 702 704	0.00- 03	9.38- 03			GLOB UNIF	WV 0 1	
2218	LOAD Z 702 704	9.38- 03	9.38- 02			GLOB UNIF	WV 0 1	
2219	LOAD X 702 705	0.00 18	18.75 18			GLOB UNIF	WV 0 1	
2220	LOAD Y 702 705	0.00 10	18.75 10			GLOB UNIF	WV 0 1	
2221	LOAD Z 702 705	0.00- 02	17.65			GLOB UNIF	WV 0 1	
2222	LOAD Y 704 705	0.00 20	18.76 21			GLOB UNIF	WV 0 1	
2223	LOAD Z 704 705	0.00 02	18.76			GLOB UNIF	WV 0 1	
2224	LOAD X 701 806	0.00 26	16.72 22			GLOB UNIF	WV 0 1	
2225	LOAD Y 701 806	0.00 20	16.72 17			GLOB UNIF	WV 0 1	
2226	LOAD Z 701 806	0.00 08	16.72 08			GLOB UNIF	WV 0 1	
2227	LOAD X 701 806	16.72 22	16.72 19			GLOB UNIF	WV 0 1	
2228	LOAD Y 701 806	16.72 17	16.72 15			GLOB UNIF	WV 0 1	
2229	LOAD Z 701 806	16.72 08	16.72 08			GLOB UNIF	WV 0 1	
2230	LOAD X 701 806	33.44 14	16.72 16			GLOB UNIF	WV 0 1	
2231	LOAD Y 701 806	33.44 15	16.72 13			GLOB UNIF	WV 0 1	
2232	LOAD Z 701 806	33.44 08	16.72 07			GLOB UNIF	WV 0 1	
2233	LOAD X 703 801	0.00 04	16.72 04			GLOB UNIF	WV 0 1	
2234	LOAD Y 703 801	0.00 34	16.72 29			GLOB UNIF	WV 0 1	
2235	LOAD Z 703 801	0.00 03	16.72 03			GLOB UNIF	WV 0 1	
2236	LOAD X 703 801	16.72 04	16.72 04			GLOB UNIF	WV 0 1	
2237	LOAD Y 703 801	16.72 29	16.72 25			GLOB UNIF	WV 0 1	
2238	LOAD Z 703 801	16.72 03	16.72 04			GLOB UNIF	WV 0 1	
2239	LOAD X 703 801	33.44 04	16.72 04			GLOB UNIF	WV 0 1	
2240	LOAD Y 703 801	33.44 25	16.72 22			GLOB UNIF	WV 0 1	
2241	LOAD Z 703 801	33.44 04	16.72 04			GLOB UNIF	WV 0 1	
2242	LOAD X 706 803	0.00 03	50.16 03			GLOB UNIF	WV 0 1	
2243	LOAD Y 706 803	0.00 06	50.16 06			GLOB UNIF	WV 0 1	
2244	LOAD Z 706 803	0.00- 09	50.16- 10			GLOB UNIF	WV 0 1	
2245	LOAD Y 801 802	0.00 14	22.79 14			GLOB UNIF	WV 0 1	
2246	LOAD Z 801 802	0.00- 1	22.79- 02			GLOB UNIF	WV 0 1	
2247	LOAD Y 802 803	0.00 14	22.79 14			GLOB UNIF	WV 0 1	
2248	LOAD Z 802 803	0.00- 02	22.79- 03			GLOB UNIF	WV 0 1	
2249	LOAD Z 803 805	0.00- 03	22.79- 02			GLOB UNIF	WV 0 1	
2250	LOAD Z 805 806	0.00- 02	11.40- 02			GLOB UNIF	WV 0 1	
2251	LOAD Z 805 806	11.40- 02	11.40- 1			GLOB UNIF	WV 0 1	
2252	LOAD X 801 804	0.00 12	22.79 12			GLOB UNIF	WV 0 1	
2253	LOAD Y 801 804	0.00 07	22.79 07			GLOB UNIF	WV 0 1	
2254	LOAD Z 801 804	0.00- 1	12.43			GLOB UNIF	WV 0 1	

LINE NO.	1...5			1...0	1...5	2...0	2...5	3...0	3...5	4...0	4...5	5...0	5...5	6...0	6...5	7...0	7...5	8...0
2255	LOAD	X	804	806	0.00	12	22.80	12						GLOB	UNIF	WV	0	1
2256	LOAD	Y	804	806	0.00	07	22.80	07						GLOB	UNIF	WV	0	1
2257	LOAD	Z	804	806	0.00		22.80	1						GLOB	UNIF	WV	0	1
2258	LOAD	Z	802	804	0.00-	02	11.40-	02						GLOB	UNIF	WV	0	1
2259	LOAD	Z	802	804	11.40-	02	11.40-	1						GLOB	UNIF	WV	0	1
2260	LOAD	X	802	805	0.00	11	22.80	11						GLOB	UNIF	WV	0	1
2261	LOAD	Y	802	805	0.00	06	22.80	07						GLOB	UNIF	WV	0	1
2262	LOAD	Z	802	805	0.00-	1	22.80							GLOB	UNIF	WV	0	1
2263	LOAD	Y	804	805	0.00	13	22.80	13						GLOB	UNIF	WV	0	1
2264	LOAD	Z	804	805	0.00	1	15.68							GLOB	UNIF	WV	0	1
2265	LOAD	X	801	903	0.00	04	19.87	03						GLOB	UNIF	WV	0	1
2266	LOAD	Y	801	903	0.00	14	19.87	17						GLOB	UNIF	WV	0	1
2267	LOAD	Z	801	903	0.00-	07	19.87-	07						GLOB	UNIF	WV	0	1
2268	LOAD	X	801	903	19.87	03	19.87	03						GLOB	UNIF	WV	0	1
2269	LOAD	Y	801	903	19.87	17	19.87	14						GLOB	UNIF	WV	0	1
2270	LOAD	Z	801	903	19.87-	07	19.87-	06						GLOB	UNIF	WV	0	1
2271	LOAD	X	801	903	39.73	03	19.87	03						GLOB	UNIF	WV	0	1
2272	LOAD	Y	801	903	39.73	14	19.87	12						GLOB	UNIF	WV	0	1
2273	LOAD	Z	801	903	39.73-	06	19.87-	05						GLOB	UNIF	WV	0	1
2274	LOAD	X	803	906	0.00	1	19.87	02						GLOB	UNIF	WV	0	1
2275	LOAD	Y	803	906	0.00	1	19.87	02						GLOB	UNIF	WV	0	1
2276	LOAD	Z	803	906	0.00	02	19.87	04						GLOB	UNIF	WV	0	1
2277	LOAD	X	803	906	19.87	02	19.87	02						GLOB	UNIF	WV	0	1
2278	LOAD	Y	803	906	19.87	02	19.87	03						GLOB	UNIF	WV	0	1
2279	LOAD	Z	803	906	19.87	04	19.87	05						GLOB	UNIF	WV	0	1
2280	LOAD	X	803	906	39.73	02	19.87	02						GLOB	UNIF	WV	0	1
2281	LOAD	Y	803	906	39.73	03	19.87	03						GLOB	UNIF	WV	0	1
2282	LOAD	Z	803	906	39.73	05	19.87	05						GLOB	UNIF	WV	0	1
2283	LOAD	X	806	901	0.00	15	19.87	13						GLOB	UNIF	WV	0	1
2284	LOAD	Y	806	901	0.00	13	19.87	12						GLOB	UNIF	WV	0	1
2285	LOAD	Z	806	901	0.00-	04	19.87-	04						GLOB	UNIF	WV	0	1
2286	LOAD	X	806	901	19.87	13	19.87	12						GLOB	UNIF	WV	0	1
2287	LOAD	Y	806	901	19.87	12	19.87	11						GLOB	UNIF	WV	0	1
2288	LOAD	Z	806	901	19.87-	04	19.87-	04						GLOB	UNIF	WV	0	1
2289	LOAD	X	806	901	39.74	12	19.87	10						GLOB	UNIF	WV	0	1
2290	LOAD	Y	806	901	39.74	11	19.87	10						GLOB	UNIF	WV	0	1
2291	LOAD	Z	806	901	39.74-	04	19.87-	04						GLOB	UNIF	WV	0	1
2292	LOAD	Y	901	902	0.00	11	27.42	10						GLOB	UNIF	WV	0	1
2293	LOAD	Z	901	902	0.00-	1	27.42-	1						GLOB	UNIF	WV	0	1
2294	LOAD	Y	902	903	0.00	10	27.42	10						GLOB	UNIF	WV	0	1
2295	LOAD	Z	902	903	0.00-	1	27.42-	02						GLOB	UNIF	WV	0	1
2296	LOAD	Z	903	905	0.00-	1	27.41-	1						GLOB	UNIF	WV	0	1
2297	LOAD	Z	905	906	0.00-	1	27.42-	1						GLOB	UNIF	WV	0	1
2298	LOAD	X	901	904	0.00	09	27.41	09						GLOB	UNIF	WV	0	1
2299	LOAD	Y	901	904	0.00	05	27.41	05						GLOB	UNIF	WV	0	1
2300	LOAD	Z	901	904	0.00-	1	27.41							GLOB	UNIF	WV	0	1
2301	LOAD	X	904	906	0.00	09	27.42	09						GLOB	UNIF	WV	0	1
2302	LOAD	Y	904	906	0.00	05	27.42	05						GLOB	UNIF	WV	0	1
2303	LOAD	Z	902	904	0.00-	1	27.41-	1						GLOB	UNIF	WV	0	1

U.S. NAVY - ACHH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

| LINE NO. | | |

STRAN INPUT DATA

U.S. NAVY - ACHR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    2353 LOAD X 9061004 14.07    08 14.07    07                GLOB UNIF    WV 0 1
    2354 LOAD Y 9061004 14.07    09 14.07    08                GLOB UNIF    WV 0 1
    2355 LOAD Z 9061004 14.07-   03 14.07-   02                GLOB UNIF    WV 0 1
    2356 LOAD X 9061004 28.15    07 14.07    06                GLOB UNIF    WV 0 1
    2357 LOAD Y 9061004 28.15    08 14.07    07                GLOB UNIF    WV 0 1
    2358 LOAD Z 9061004 28.15-   02 14.07-   02                GLOB UNIF    WV 0 1
    2359 LOAD Y 10011002 0.00    09 32.04    09                GLOB UNIF    WV 0 1
    2360 LOAD Y 10021003 0.00    09 32.04    08                GLOB UNIF    WV 0 1
    2361 LOAD X 10011004 0.00    08 32.04    08                GLOB UNIF    WV 0 1
    2362 LOAD Y 10011004 0.00    05 32.04    05                GLOB UNIF    WV 0 1
    2363 LOAD X 10041006 0.00    08 32.04    08                GLOB UNIF    WV 0 1
    2364 LOAD Y 10041006 0.00    05 32.04    04                GLOB UNIF    WV 0 1
    2365 LOAD X 10021005 0.00    05 32.04    06                GLOB UNIF    WV 0 1
    2366 LOAD Y 10021005 0.00    03 32.04    03                GLOB UNIF    WV 0 1
    2367 LOAD Y 10041005 0.00    06 32.04    06                GLOB UNIF    WV 0 1
    2368 LOAD X 301 401 14.98    45 4.51     41                GLOB UNIF    WV 0 1
    2369 LOAD Y 301 401 14.98    78 4.51     71                GLOB UNIF    WV 0 1
    2370 LOAD X 301 401 19.48    41 4.51     36                GLOB UNIF    WV 0 1
    2371 LOAD Y 301 401 19.48    71 4.51     65                GLOB UNIF    WV 0 1
    2372 LOAD X 301 401 23.99    38 4.51     35                GLOB UNIF    WV 0 1
    2373 LOAD Y 301 401 23.99    65 4.51     60                GLOB UNIF    WV 0 1
    2374 LOAD X 303 403 13.86    47 4.88     42                GLOB UNIF    WV 0 1
    2375 LOAD Y 303 403 13.86    81 4.88     74                GLOB UNIF    WV 0 1
    2376 LOAD X 303 403 18.74    42 4.88     39                GLOB UNIF    WV 0 1
    2377 LOAD Y 303 403 18.74    74 4.88     67                GLOB UNIF    WV 0 1
    2378 LOAD X 303 403 23.62    39 4.88     35                GLOB UNIF    WV 0 1
    2379 LOAD Y 303 403 23.62    67 4.88     61                GLOB UNIF    WV 0 1
    2380 LOAD X 306 406 17.23    40 5.64     36                GLOB UNIF    WV 0 1
    2381 LOAD Y 306 406 17.23    69 5.64     62                GLOB UNIF    WV 0 1
    2382 LOAD X 306 406 22.86    36 5.64     32                GLOB UNIF    WV 0 1
    2383 LOAD Y 306 406 22.86    62 5.64     56                GLOB UNIF    WV 0 1
    2384 LOAD X 401 501 0.00     55 4.56     50                GLOB UNIF    WV 0 1
    2385 LOAD Y 401 501 0.00     98 4.56     91                GLOB UNIF    WV 0 1
    2386 LOAD X 403 503 0.00     56 4.56     52                GLOB UNIF    WV 0 1
    2387 LOAD Y 403 503 0.00     96 4.56     88                GLOB UNIF    WV 0 1
    2388 LOAD Z 403 503 0.00-    16 4.56-    15                GLOB UNIF    WV 0 1
    2389 LOAD X 406 506 0.00     55 4.56     51                GLOB UNIF    WV 0 1
    2390 LOAD Y 406 506 0.00     94 4.56     87                GLOB UNIF    WV 0 1
    2391 LOAD Z 406 506 0.00     16 4.56     14                GLOB UNIF    WV 0 1
    2392 LOAD X 501 601 0.00     50 6.08     45                GLOB UNIF    WV 0 1
    2393 LOAD Y 501 601 0.00     91 6.08     82                GLOB UNIF    WV 0 1
    2394 LOAD X 503 603 0.00     52 3.04     49                GLOB UNIF    WV 0 1
    2395 LOAD Y 503 603 0.00     88 3.04     83                GLOB UNIF    WV 0 1
    2396 LOAD Z 503 603 0.00-    15 3.04-    14                GLOB UNIF    WV 0 1
    2397 LOAD X 503 603 3.04     49 3.04     47                GLOB UNIF    WV 0 1
    2398 LOAD Y 503 603 3.04     83 3.04     79                GLOB UNIF    WV 0 1
    2399 LOAD Z 503 603 3.04-    14 3.04-    13                GLOB UNIF    WV 0 1
    2400 LOAD X 506 606 0.00     51 6.08     46                GLOB UNIF    WV 0 1
    2401 LOAD Y 506 606 0.00     87 6.08     78                GLOB UNIF    WV 0 1
```

STRAN INPUT DATA

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1	2	3	4	5	6	7	8
2402	LOAD Z 506 606	0.00 15	6.08 13			GLOB UNIF	WV 0 1	
2403	LOAD X 601 621	0.00 43	3.35 41			GLOB UNIF	WV 0 1	
2404	LOAD Y 601 621	0.00 83	3.35 79			GLOB UNIF	WV 0 1	
2405	LOAD Z 601 621	0.00- 02	3.35- 02			GLOB UNIF	WV 0 1	
2406	LOAD X 601 621	3.35 41	3.35 39			GLOB UNIF	WV 0 1	
2407	LOAD Y 601 621	3.35 79	3.35 75			GLOB UNIF	WV 0 1	
2408	LOAD Z 601 621	3.35- 02	3.35- 02			GLOB UNIF	WV 0 1	
2409	LOAD X 603 623	0.00 37	6.71 34			GLOB UNIF	WV 0 1	
2410	LOAD Y 603 623	0.00 70	6.71 63			GLOB UNIF	WV 0 1	
2411	LOAD Z 603 623	0.00- 34	6.71- 30			GLOB UNIF	WV 0 1	
2412	LOAD X 606 626	0.00 46	3.35 44			GLOB UNIF	WV 0 1	
2413	LOAD Y 606 626	0.00 88	3.35 83			GLOB UNIF	WV 0 1	
2414	LOAD Z 606 626	0.00 33	3.35 31			GLOB UNIF	WV 0 1	
2415	LOAD X 606 626	3.35 44	3.35 42			GLOB UNIF	WV 0 1	
2416	LOAD Y 606 626	3.35 83	3.35 79			GLOB UNIF	WV 0 1	
2417	LOAD Z 606 626	3.35 31	3.35 29			GLOB UNIF	WV 0 1	
2418	LOAD X 621 651	0.00 67	3.04 63			GLOB UNIF	WV 0 1	
2419	LOAD Y 621 651	0.00 106	3.04 101			GLOB UNIF	WV 0 1	
2420	LOAD Z 621 651	0.00- 1	3.04- 1			GLOB UNIF	WV 0 1	
2421	LOAD X 621 651	3.04 63	3.04 60			GLOB UNIF	WV 0 1	
2422	LOAD Y 621 651	3.04 101	3.04 95			GLOB UNIF	WV 0 1	
2423	LOAD Z 621 651	3.04- 1	3.04- 1			GLOB UNIF	WV 0 1	
2424	LOAD X 623 653	0.00 49	3.04 46			GLOB UNIF	WV 0 1	
2425	LOAD Y 623 653	0.00 95	3.04 90			GLOB UNIF	WV 0 1	
2426	LOAD Z 623 653	0.00 15	3.04 14			GLOB UNIF	WV 0 1	
2427	LOAD X 623 653	3.04 46	3.04 44			GLOB UNIF	WV 0 1	
2428	LOAD Y 623 653	3.04 90	3.04 86			GLOB UNIF	WV 0 1	
2429	LOAD Z 623 653	3.04 14	3.04 14			GLOB UNIF	WV 0 1	
2430	LOAD X 626 656	0.00 59	6.08 55			GLOB UNIF	WV 0 1	
2431	LOAD Y 626 656	0.00 101	6.08 92			GLOB UNIF	WV 0 1	
2432	LOAD Z 626 656	0.00- 17	6.08- 15			GLOB UNIF	WV 0 1	
2433	LOAD X 651 701	0.00 52	3.55 49			GLOB UNIF	WV 0 1	
2434	LOAD Y 651 701	0.00 100	3.55 93			GLOB UNIF	WV 0 1	
2435	LOAD Z 651 701	0.00- 1	3.55- 1			GLOB UNIF	WV 0 1	
2436	LOAD X 651 701	3.55 49	3.55 46			GLOB UNIF	WV 0 1	
2437	LOAD Y 651 701	3.55 93	3.55 88			GLOB UNIF	WV 0 1	
2438	LOAD Z 651 701	3.55- 1	3.55- 1			GLOB UNIF	WV 0 1	
2439	LOAD X 656 706	0.00 57	3.55 54			GLOB UNIF	WV 0 1	
2440	LOAD Y 656 706	0.00 95	3.55 89			GLOB UNIF	WV 0 1	
2441	LOAD Z 656 706	0.00 16	3.55 15			GLOB UNIF	WV 0 1	
2442	LOAD X 656 706	3.55 54	3.55 50			GLOB UNIF	WV 0 1	
2443	LOAD Y 656 706	3.55 89	3.55 83			GLOB UNIF	WV 0 1	
2444	LOAD Z 656 706	3.55 15	3.55 14			GLOB UNIF	WV 0 1	
2445	LOAD X 653 703	0.00 56	3.55 52			GLOB UNIF	WV 0 1	
2446	LOAD Y 653 703	0.00 92	3.55 86			GLOB UNIF	WV 0 1	
2447	LOAD Z 653 703	0.00- 16	3.55- 15			GLOB UNIF	WV 0 1	
2448	LOAD X 653 703	3.55 52	3.55 49			GLOB UNIF	WV 0 1	
2449	LOAD Y 653 703	3.55 86	3.55 80			GLOB UNIF	WV 0 1	
2450	LOAD Z 653 703	3.55- 15	3.55- 14			GLOB UNIF	WV 0 1	

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0																			
2451	LOAD	X	701	801	0.00	45	9.46	38					GLOB	UNIF		WV	0	1		
2452	LOAD	Y	701	801	0.00	85	9.46	78					GLOB	UNIF		WV	0	1		
2453	LOAD	Z	701	801	0.00-	1	9.46-	1					GLOB	UNIF		WV	0	1		
2454	LOAD	X	701	801	9.46	38	9.46	33					GLOB	UNIF		WV	0	1		
2455	LOAD	Y	701	801	9.46	73	9.46	63					GLOB	UNIF		WV	0	1		
2456	LOAD	Z	701	801	9.46-	1	9.46						GLOB	UNIF		WV	0	1		
2457	LOAD	X	701	801	18.92	33	9.46	29					GLOB	UNIF		WV	0	1		
2458	LOAD	Y	701	801	18.92	63	9.46	55					GLOB	UNIF		WV	0	1		
2459	LOAD	X	703	803	0.00	46	9.46	40					GLOB	UNIF		WV	0	1		
2460	LOAD	Y	703	803	0.00	78	9.46	66					GLOB	UNIF		WV	0	1		
2461	LOAD	Z	703	803	0.00-	13	9.46-	11					GLOB	UNIF		WV	0	1		
2462	LOAD	X	703	803	9.46	40	9.46	34					GLOB	UNIF		WV	0	1		
2463	LOAD	Y	703	803	9.46	66	9.46	56					GLOB	UNIF		WV	0	1		
2464	LOAD	Z	703	803	9.46-	11	9.46-	10					GLOB	UNIF		WV	0	1		
2465	LOAD	X	703	803	18.92	34	9.46	29					GLOB	UNIF		WV	0	1		
2466	LOAD	Y	703	803	18.92	56	9.46	46					GLOB	UNIF		WV	0	1		
2467	LOAD	Z	703	803	18.92-	10	9.46-	08					GLOB	UNIF		WV	0	1		
2468	LOAD	X	706	806	0.00	49	9.46	42					GLOB	UNIF		WV	0	1		
2469	LOAD	Y	706	806	0.00	81	9.46	69					GLOB	UNIF		WV	0	1		
2470	LOAD	Z	706	806	0.00	15	9.46	12					GLOB	UNIF		WV	0	1		
2471	LOAD	X	706	806	9.46	42	9.46	37					GLOB	UNIF		WV	0	1		
2472	LOAD	Y	706	806	9.46	69	9.46	60					GLOB	UNIF		WV	0	1		
2473	LOAD	Z	706	806	9.46	12	9.46	10					GLOB	UNIF		WV	0	1		
2474	LOAD	X	706	806	18.92	37	9.46	32					GLOB	UNIF		WV	0	1		
2475	LOAD	Y	706	806	18.92	60	9.46	53					GLOB	UNIF		WV	0	1		
2476	LOAD	Z	706	806	18.92	10	9.46	09					GLOB	UNIF		WV	0	1		
2477	LOAD	X	801	901	0.00	29	10.81	25					GLOB	UNIF		WV	0	1		
2478	LOAD	Y	801	901	0.00	55	10.81	48					GLOB	UNIF		WV	0	1		
2479	LOAD	X	801	901	10.81	25	10.81	22					GLOB	UNIF		WV	0	1		
2480	LOAD	Y	801	901	10.81	48	10.81	41					GLOB	UNIF		WV	0	1		
2481	LOAD	X	801	901	21.63	22	10.81	20					GLOB	UNIF		WV	0	1		
2482	LOAD	Y	801	901	21.63	41	10.81	37					GLOB	UNIF		WV	0	1		
2483	LOAD	X	803	903	0.00	29	10.81	25					GLOB	UNIF		WV	0	1		
2484	LOAD	Y	803	903	0.00	48	10.81	41					GLOB	UNIF		WV	0	1		
2485	LOAD	Z	803	903	0.00-	08	10.81-	07					GLOB	UNIF		WV	0	1		
2486	LOAD	X	803	903	10.81	25	10.81	20					GLOB	UNIF		WV	0	1		
2487	LOAD	Y	803	903	10.81	41	10.81	34					GLOB	UNIF		WV	0	1		
2488	LOAD	Z	803	903	10.81-	07	10.81-	06					GLOB	UNIF		WV	0	1		
2489	LOAD	X	803	903	21.63	20	10.81	17					GLOB	UNIF		WV	0	1		
2490	LOAD	Y	803	903	21.63	34	10.81	29					GLOB	UNIF		WV	0	1		
2491	LOAD	Z	803	903	21.63-	06	10.81-	05					GLOB	UNIF		WV	0	1		
2492	LOAD	X	806	906	0.00	32	10.81	28					GLOB	UNIF		WV	0	1		
2493	LOAD	Y	806	906	0.00	53	10.81	46					GLOB	UNIF		WV	0	1		
2494	LOAD	Z	806	906	0.00	09	10.81	08					GLOB	UNIF		WV	0	1		
2495	LOAD	X	806	906	10.81	28	10.81	24					GLOB	UNIF		WV	0	1		
2496	LOAD	Y	806	906	10.81	46	10.81	40					GLOB	UNIF		WV	0	1		
2497	LOAD	Z	806	906	10.81	08	10.81	07					GLOB	UNIF		WV	0	1		
2498	LOAD	X	806	906	21.63	24	10.81	22					GLOB	UNIF		WV	0	1		
2499	LOAD	Y	806	906	21.63	40	10.81	36					GLOB	UNIF		WV	0	1		

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1...5	1 1...5	2 2...5	3 3...5	4 4...5	5 5...5	6 6...5	7 7...5	8 0
2500	LOAD Z	806 906	21.63	07 10.81	06		GLOB UNIF	WV 0 1	
2501	LOAD X	9011001	0.00	20 10.81	18		GLOB UNIF	WV 0 1	
2502	LOAD Y	9011001	0.00	37 10.81	33		GLOB UNIF	WV 0 1	
2503	LOAD X	9011001	10.81	18 10.81	17		GLOB UNIF	WV 0 1	
2504	LOAD Y	9011001	10.81	33 10.81	30		GLOB UNIF	WV 0 1	
2505	LOAD X	9011001	21.63	17 10.81	15		GLOB UNIF	WV 0 1	
2506	LOAD Y	9011001	21.63	30 10.81	26		GLOB UNIF	WV 0 1	
2507	LOAD X	9031003	0.00	17 10.81	15		GLOB UNIF	WV 0 1	
2508	LOAD Y	9031003	0.00	29 10.81	26		GLOB UNIF	WV 0 1	
2509	LOAD Z	9031003	0.00-	05 10.81-	04		GLOB UNIF	WV 0 1	
2510	LOAD X	9031003	10.81	15 10.81	13		GLOB UNIF	WV 0 1	
2511	LOAD Y	9031003	10.81	26 10.81	22		GLOB UNIF	WV 0 1	
2512	LOAD Z	9031003	10.81-	04 10.81-	04		GLOB UNIF	WV 0 1	
2513	LOAD X	9031003	21.63	13 10.81	10		GLOB UNIF	WV 0 1	
2514	LOAD Y	9031003	21.63	22 10.81	17		GLOB UNIF	WV 0 1	
2515	LOAD Z	9031003	21.63-	04 10.81-	03		GLOB UNIF	WV 0 1	
2516	LOAD X	9061006	0.00	22 10.81	20		GLOB UNIF	WV 0 1	
2517	LOAD Y	9061006	0.00	36 10.81	34		GLOB UNIF	WV 0 1	
2518	LOAD Z	9061006	0.00	06 10.81	06		GLOB UNIF	WV 0 1	
2519	LOAD X	9061006	10.81	20 10.81	18		GLOB UNIF	WV 0 1	
2520	LOAD Y	9061006	10.81	34 10.81	31		GLOB UNIF	WV 0 1	
2521	LOAD Z	9061006	10.81	06 10.81	05		GLOB UNIF	WV 0 1	
2522	LOAD X	9061006	21.63	18 10.81	16		GLOB UNIF	WV 0 1	
2523	LOAD Y	9061006	21.63	31 10.81	27		GLOB UNIF	WV 0 1	
2524	LOAD Z	9061006	21.63	05 10.81	05		GLOB UNIF	WV 0 1	
2525	LOADCN	8							
2526	LOAD X	513 651	12.71-	07 5.29-	06		GLOB UNIF	WV 0 2	
2527	LOAD Y	513 651	12.71-	12 5.29-	11		GLOB UNIF	WV 0 2	
2528	LOAD X	514 653	15.28-	06 2.72-	06		GLOB UNIF	WV 0 2	
2529	LOAD Y	514 653	15.28-	10 2.72-	10		GLOB UNIF	WV 0 2	
2530	LOAD X	651 661	0.00-	1 5.00-	1		GLOB UNIF	WV 0 2	
2531	LOAD Z	651 661	0.00-	05 5.00-	05		GLOB UNIF	WV 0 2	
2532	LOAD X	653 663	0.00-	1 5.00-	1		GLOB UNIF	WV 0 2	
2533	LOAD Z	653 663	0.00-	04 5.00-	04		GLOB UNIF	WV 0 2	
2534	LOAD Y	661 662	0.00-	05 17.74-	06		GLOB UNIF	WV 0 2	
2535	LOAD Z	661 662	0.00-	08 17.74-	07		GLOB UNIF	WV 0 2	
2536	LOAD Y	662 663	0.00-	06 17.74-	06		GLOB UNIF	WV 0 2	
2537	LOAD Z	662 663	0.00-	07 17.74-	05		GLOB UNIF	WV 0 2	
2538	LOAD X	611 661	7.50-	05 4.62-	05		GLOB UNIF	WV 0 2	
2539	LOAD Y	611 661	7.50-	06 4.62-	06		GLOB UNIF	WV 0 2	
2540	LOAD X	612 662	8.66-	02 3.34-	02		GLOB UNIF	WV 0 2	
2541	LOAD Y	612 662	8.66-	05 3.34-	05		GLOB UNIF	WV 0 2	
2542	LOAD X	613 663	9.92-	05 2.20-	03		GLOB UNIF	WV 0 2	
2543	LOAD Y	613 663	9.92-	08 2.20-	06		GLOB UNIF	WV 0 2	
2544	LOAD X	622 703	3.89	1 5.96	1		GLOB UNIF	WV 0 2	
2545	LOAD Y	622 703	3.89-	07 5.96-	07		GLOB UNIF	WV 0 2	
2546	LOAD Z	622 703	3.89-	1 5.96-	1		GLOB UNIF	WV 0 2	
2547	LOAD X	622 703	9.85	1 5.96	1		GLOB UNIF	WV 0 2	
2548	LOAD Y	622 703	9.85-	07 5.96-	07		GLOB UNIF	WV 0 2	

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

| LINE NU. | 1...5 | | |

STRAN INPUT DATA

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

LINE NO.	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0														
2598	LOAD Z	701	806	10.72-	05	10.72-	04				GLOB	UNIF		WV	0 2
2599	LOAD X	701	806	33.44-	03	10.72-	02				GLOB	UNIF		WV	0 2
2600	LOAD Y	701	806	33.44-	04	10.72-	04				GLOB	UNIF		WV	0 2
2601	LOAD Z	701	806	33.44-	04	10.72-	04				GLOB	UNIF		WV	0 2
2602	LOAD X	703	801	0.00-	03	10.72-	03				GLOB	UNIF		WV	0 2
2603	LOAD Y	703	801	0.00-	07	10.72-	06				GLOB	UNIF		WV	0 2
2604	LOAD Z	703	801	0.00-	05	10.72-	04				GLOB	UNIF		WV	0 2
2605	LOAD X	703	801	10.72-	03	10.72-	02				GLOB	UNIF		WV	0 2
2606	LOAD Y	703	801	10.72-	06	10.72-	06				GLOB	UNIF		WV	0 2
2607	LOAD Z	703	801	10.72-	04	10.72-	03				GLOB	UNIF		WV	0 2
2608	LOAD X	703	801	33.44-	02	10.72-	02				GLOB	UNIF		WV	0 2
2609	LOAD Y	703	801	33.44-	06	10.72-	05				GLOB	UNIF		WV	0 2
2610	LOAD Z	703	801	33.44-	05	10.72-	03				GLOB	UNIF		WV	0 2
2611	LOAD X	706	803	0.00	02	10.72	1				GLOB	UNIF		WV	0 2
2612	LOAD Y	706	803	0.00	02	10.72					GLOB	UNIF		WV	0 2
2613	LOAD Z	706	803	0.00-	05	10.72-	1				GLOB	UNIF		WV	0 2
2614	LOAD X	706	803	10.72	1	12.54					GLOB	UNIF		WV	0 2
2615	LOAD Y	706	803	20.58		12.66-	1				GLOB	UNIF		WV	0 2
2616	LOAD Z	706	803	10.72-	1	5.82					GLOB	UNIF		WV	0 2
2617	LOAD Z	706	803	22.53		10.90	1				GLOB	UNIF		WV	0 2
2618	LOAD X	706	803	33.44		10.72-	1				GLOB	UNIF		WV	0 2
2619	LOAD Y	706	803	33.44-	1	10.72-	02				GLOB	UNIF		WV	0 2
2620	LOAD Z	706	803	33.44	1	10.72	03				GLOB	UNIF		WV	0 2
2621	LOAD Y	801	802	0.00-	03	22.79-	03				GLOB	UNIF		WV	0 2
2622	LOAD Z	801	802	0.00-	02	22.79-	02				GLOB	UNIF		WV	0 2
2623	LOAD Y	802	803	0.00-	03	22.79-	03				GLOB	UNIF		WV	0 2
2624	LOAD Z	802	803	0.00-	02	22.79-	1				GLOB	UNIF		WV	0 2
2625	LOAD Z	803	805	0.00-	1	11.40-	02				GLOB	UNIF		WV	0 2
2626	LOAD Z	803	805	11.40-	02	11.40-	02				GLOB	UNIF		WV	0 2
2627	LOAD Z	805	806	0.00-	02	22.80-	03				GLOB	UNIF		WV	0 2
2628	LOAD X	801	804	0.00-	02	22.79-	02				GLOB	UNIF		WV	0 2
2629	LOAD Y	801	804	0.00-	1	22.79-	1				GLOB	UNIF		WV	0 2
2630	LOAD Z	801	804	0.00-	02	22.79-	03				GLOB	UNIF		WV	0 2
2631	LOAD X	804	806	0.00-	02	22.80-	1				GLOB	UNIF		WV	0 2
2632	LOAD Y	804	806	0.00-	1	22.80-	1				GLOB	UNIF		WV	0 2
2633	LOAD Z	804	806	0.00-	05	22.80-	04				GLOB	UNIF		WV	0 2
2634	LOAD Z	802	804	0.00-	02	22.80-	03				GLOB	UNIF		WV	0 2
2635	LOAD X	802	805	0.00-	02	22.80-	02				GLOB	UNIF		WV	0 2
2636	LOAD Y	802	805	0.00-	1	22.80-	1				GLOB	UNIF		WV	0 2
2637	LOAD Z	802	805	0.00-	02	22.80-	02				GLOB	UNIF		WV	0 2
2638	LOAD Y	804	805	0.00-	02	22.80-	02				GLOB	UNIF		WV	0 2
2639	LOAD Z	804	805	0.00-	03	22.80-	02				GLOB	UNIF		WV	0 2
2640	LOAD Y	801	903	0.00-	05	19.87-	05				GLOB	UNIF		WV	0 2
2641	LOAD Z	801	903	5.97		15.89	1				GLOB	UNIF		WV	0 2
2642	LOAD X	801	903	19.87		19.87-	1				GLOB	UNIF		WV	0 2
2643	LOAD Y	801	903	19.87-	05	19.87-	05				GLOB	UNIF		WV	0 2
2644	LOAD Z	801	903	19.87	1	19.87	1				GLOB	UNIF		WV	0 2
2645	LOAD X	801	903	39.73-	1	19.87-	1				GLOB	UNIF		WV	0 2
2646	LOAD Y	801	903	39.73-	05	19.87-	04				GLOB	UNIF		WV	0 2

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

| LINE NO. | | |

STRAN INPUT DATA

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

| LINE NO. | | |

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

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LINE NO. 1...5....1....1....2....2....3....3....4....4....5....5....6....6....7....7....8
    2745 LOAD Y  701 801    0.00-   30  14.19-   27                GLOB UNIF     WV 0 2
    2746 LOAD X  701 801   14.19-   14  14.19-   13                GLOB UNIF     WV 0 2
    2747 LOAD Y  701 801   14.19-   27  14.19-   25                GLOB UNIF     WV 0 2
    2748 LOAD X  703 803    0.00-   16  14.19-   14                GLOB UNIF     WV 0 2
    2749 LOAD Y  703 803    0.00-   26  14.19-   24                GLOB UNIF     WV 0 2
    2750 LOAD Z  703 803    0.00    04  14.19    04                GLOB UNIF     WV 0 2
    2751 LOAD X  703 803   14.19-   14  14.19-   13                GLOB UNIF     WV 0 2
    2752 LOAD Y  703 803   14.19-   24  14.19-   22                GLOB UNIF     WV 0 2
    2753 LOAD Z  703 803   14.19    04  14.19    04                GLOB UNIF     WV 0 2
    2754 LOAD X  706 806    0.00-   19  14.19-   17                GLOB UNIF     WV 0 2
    2755 LOAD Y  706 806    0.00-   31  14.19-   28                GLOB UNIF     WV 0 2
    2756 LOAD Z  706 806    0.00-   05  14.19-   05                GLOB UNIF     WV 0 2
    2757 LOAD X  706 806   14.19-   17  14.19-   15                GLOB UNIF     WV 0 2
    2758 LOAD Y  706 806   14.19-   28  14.19-   25                GLOB UNIF     WV 0 2
    2759 LOAD Z  706 806   14.19-   05  14.19-   04                GLOB UNIF     WV 0 2
    2760 LOAD X  801 901    0.00-   13  16.22-   15                GLOB UNIF     WV 0 2
    2761 LOAD Y  801 901    0.00-   25  16.22-   23                GLOB UNIF     WV 0 2
    2762 LOAD X  801 901   16.22-   13  16.22-   12                GLOB UNIF     WV 0 2
    2763 LOAD Y  801 901   16.22-   23  16.22-   22                GLOB UNIF     WV 0 2
    2764 LOAD X  803 903    0.00-   13  16.22-   12                GLOB UNIF     WV 0 2
    2765 LOAD Y  803 903    0.00-   22  16.22-   20                GLOB UNIF     WV 0 2
    2766 LOAD Z  803 903    0.00    04  16.22    03                GLOB UNIF     WV 0 2
    2767 LOAD X  803 903   16.22-   12  16.22-   11                GLOB UNIF     WV 0 2
    2768 LOAD Y  803 903   16.22-   20  16.22-   19                GLOB UNIF     WV 0 2
    2769 LOAD Z  803 903   16.22    05  16.22    03                GLOB UNIF     WV 0 2
    2770 LOAD X  806 906    0.00-   15  16.22-   14                GLOB UNIF     WV 0 2
    2771 LOAD Y  806 906    0.00-   25  16.22-   23                GLOB UNIF     WV 0 2
    2772 LOAD Z  806 906    0.00-   04  16.22-   04                GLOB UNIF     WV 0 2
    2773 LOAD X  806 906   16.22-   14  16.22-   13                GLOB UNIF     WV 0 2
    2774 LOAD Y  806 906   16.22-   23  16.22-   21                GLOB UNIF     WV 0 2
    2775 LOAD Z  806 906   16.22-   04  16.22-   04                GLOB UNIF     WV 0 2
    2776 LOAD X  9011001    0.00-   12  32.44-   12                GLOB UNIF     WV 0 2
    2777 LOAD Y  9011001    0.00-   22  32.44-   21                GLOB UNIF     WV 0 2
    2778 LOAD X  9031003    0.00-   11  32.44-   11                GLOB UNIF     WV 0 2
    2779 LOAD Y  9031003    0.00-   19  32.44-   20                GLOB UNIF     WV 0 2
    2780 LOAD Z  9031003    0.00    03  32.44    03                GLOB UNIF     WV 0 2
    2781 LOAD X  9061006    0.00-   13  32.44-   12                GLOB UNIF     WV 0 2
    2782 LOAD Y  9061006    0.00-   21  32.44-   21                GLOB UNIF     WV 0 2
    2783 LOAD Z  9061006    0.00-   04  32.44-   03                GLOB UNIF     WV 0 2
    2784 END
```

PILE JOINT NO. 1010

STRAN-PSY DATA

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.153	.169	.188	.237	.237
DEFL (IN)	0.000	.050	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.360	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.244	1.681	2.347	2.895	3.644	5.831	5.831
DEFL (IN)	0.000	.070	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	34.00							
FORCE (K/IN)	0.000	3.021	3.693	4.742	5.659	6.950	11.120	11.120
DEFL (IN)	0.000	.120	.190	.320	.460	.700	1.580	20.000
DEPTH (FT) =	48.00							
FORCE (K/IN)	0.000	7.634	8.468	9.915	11.273	13.280	21.248	21.248
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	68.00							
FORCE (K/IN)	0.000	10.718	11.997	14.043	15.970	18.814	30.102	30.102
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	102.00							
FORCE (K/IN)	0.000	16.223	17.995	21.064	23.954	28.221	45.153	45.153
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	102.10							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	
DEPTH (FT) =	136.00							
FORCE (K/IN)	0.000	.967	1.313	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.153	.169	.188	.237	.237
DEFL (IN)	0.000	.050	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.366	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.030	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.244	1.661	2.547	2.845	3.644	5.831	5.831
DEFL (IN)	0.000	.070	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	34.00							
FORCE (K/IN)	0.000	3.021	3.693	4.742	5.659	6.950	11.120	11.120
DEFL (IN)	0.000	.120	.190	.320	.460	.700	1.580	20.000
DEPTH (FT) =	45.00							
FORCE (K/IN)	0.000	7.634	8.464	9.913	11.273	13.280	21.248	21.248
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	68.00							
FORCE (K/IN)	0.000	10.718	11.997	14.043	15.970	18.814	30.102	30.102
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	102.00							
FORCE (K/IN)	0.000	16.225	17.995	21.064	23.954	28.221	45.153	45.153
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	102.10							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	
DEPTH (FT) =	136.00							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	.107	.129	.153	.169	.188	.237	.237
DEFL (IN)	0.000	.050	.120	.270	.430	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	.368	.611	.906	1.136	1.440	2.274	2.274
DEFL (IN)	0.000	.036	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	24.00							
FORCE (K/IN)	0.000	1.244	1.681	2.347	2.895	3.644	5.831	5.831
DEFL (IN)	0.000	.070	.140	.280	.430	.700	1.580	20.000
DEPTH (FT) =	34.00							
FORCE (K/IN)	0.000	3.021	3.693	4.742	5.659	6.950	11.120	11.120
DEFL (IN)	0.000	.120	.190	.320	.460	.700	1.580	20.000
DEPTH (FT) =	48.00							
FORCE (K/IN)	0.000	7.634	8.468	9.913	11.273	13.280	21.248	21.248
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	68.00							
FORCE (K/IN)	0.000	10.718	11.997	14.043	15.970	18.814	30.102	30.102
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	102.00							
FORCE (K/IN)	0.000	16.223	17.995	21.064	23.954	28.221	45.153	45.153
DEFL (IN)	0.000	.220	.270	.380	.500	.700	1.580	20.000
DEPTH (FT) =	102.10							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	
DEPTH (FT) =	136.00							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	.967	1.513	1.718	2.418	3.281	3.281	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	

STRAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 1
CYCLE NO. 1

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-7.0845	-.01753	-.01419		
1010	2	.3211	-.00047	-.00038		
1010	3	1.1841	.00020	.00020		
1010	4	32.1115	.00000	.00000		
1010	5	708.4492	-.00017	-.00003		
1010	6	-5.5870	-.00001	-.00001		
1011	1	5.6140	.00770	.00723		
1011	2	-6.0928	-.01302	-.01223		
1011	3	40.3569	.00674	.00674		
1011	4	-609.2828	.00013	.00003		
1011	5	-361.3982	.00008	.00002		
1011	6	8.4454	.00001	.00001		
1012	1	2.5359	.00824	.00660		
1012	2	5.8193	.01345	.01076		
1012	3	-41.2150	-.00688	-.00688		
1012	4	581.9530	-.00013	-.00002		
1012	5	-255.5883	.00008	.00002		
1012	6	9.4729	.00001	.00001		

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-7.4078	-.02585	-.02584		
1010	2	.0436	-.00057	-.00082	.0000	.0000
1010	3	1.2325	.00021	.00021		
1010	4	35.3892	.00000	.00000		
1010	5	224.3465	-.00012	-.00012	.0000	.0000
1010	6	-5.5698	-.00001	-.00001		
1011	1	3.5365	.01157	.01153		
1011	2	-5.9906	-.01988	-.01991	.0000	.0000
1011	3	38.5490	.00643	.00643		
1011	4	-229.0070	.00009	.00009		
1011	5	-142.7947	.00005	.00005	.0000	.0000
1011	6	8.8691	.00001	.00001		
1012	1	2.9238	.01150	.01188		
1012	2	5.9572	.02041	.02019	.0000	.0002
1012	3	-39.4491	-.00656	-.00658		
1012	4	198.7521	-.00009	-.00009		
1012	5	-27.9364	.00006	.00006	.0000	.0002
1012	6	9.7974	.00001	.00001		

STRAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 2
CYCLE NO. 1

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	5.5849	.01929	.01928		
1010	2	-.1009	.00017	-.00035		
1010	3	-.7571	-.00013	-.00013		
1010	4	-27.6649	-.00000	.00000		
1010	5	-178.3200	.00009	.00009		
1010	6	4.1025	.00000	.00000		
1011	1	-2.5973	-.00844	-.00842		
1011	2	4.5621	.01500	.01503		
1011	3	-28.2117	-.00471	-.00471		
1011	4	180.9160	-.00007	-.00007		
1011	5	107.7863	-.00004	-.00004		
1011	6	-5.1591	-.00001	-.00001		
1012	1	-2.2659	-.00880	-.00908		
1012	2	-4.4823	-.01519	-.01500		
1012	3	27.9916	.00467	.00467		
1012	4	-157.3005	.00007	.00007		
1012	5	26.8194	-.00004	-.00004		
1012	6	-6.8068	-.00001	-.00001		

SIHAN-NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 2
CYCLE NO. 2

DATE 10/05/76

U.S. NAVY - ACAN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	5.5849	.01929	.01928		
1010	2	-.1011	.00017	-.00035	.0000	.0004
1010	3	-.7570	-.00013	-.00013		
1010	4	-27.6809	-.00000	.00000		
1010	5	-178.3299	.00009	.00009	.0000	.0010
1010	6	4.1020	.00000	.00000		
1011	1	-2.5955	-.00844	-.00841		
1011	2	4.5590	.01500	.01502	.0000	.0000
1011	3	-28.2112	-.00471	-.00471		
1011	4	181.0346	-.00007	-.00007		
1011	5	107.8538	-.00004	-.00004	.0000	.0000
1011	6	-5.1593	-.00001	-.00001		
1012	1	-2.2676	-.00880	-.00909		
1012	2	-4.4854	-.01519	-.01502	.0000	.0002
1012	3	27.9921	.00467	.00467		
1012	4	-157.1762	.00007	.00007		
1012	5	26.7315	-.00004	-.00004	.0000	.0002
1012	6	-4.8072	-.00001	-.00001		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	-22.4209	-.07745	-.07917		
1010	2	-.0867	-.00224	-.00298		
1010	3	4.1752	.00070	.00070		
1010	4	68.6457	.00002	.00001		
1010	5	716.2845	-.00036	-.00037		
1010	6	-12.5101	-.00001	-.00001		
1011	1	10.9868	.03570	.03594		
1011	2	-18.2455	-.05908	-.06052		
1011	3	114.2753	.01907	.01907		
1011	4	-731.7468	.00027	.00027		
1011	5	-457.5946	.00016	.00016		
1011	6	26.3678	.00003	.00003		
1012	1	9.0081	.03458	.03627		
1012	2	18.4341	.06212	.06242		
1012	3	-116.9716	-.01952	-.01952		
1012	4	660.7744	-.00028	-.00029		
1012	5	-125.9924	.00017	.00017		
1012	6	30.7492	.00003	.00003		

SIMAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 3
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DIFFERENCE (IN,RAD)	PILE-STRUCTURE DISPLACEMENTS PERCENT DIFFERENCE
1010	1	-22.3472	-.07854	-.07820		
1010	2	-.0835	-.00227	-.00293	.0001	.0015
1010	3	4.1748	.00070	.00070		
1010	4	88.2945	.00002	.00001		
1010	5	741.4414	-.00036	-.00036	.0000	.0015
1010	6	-12.1606	-.00001	-.00001		
1011	1	10.9753	.03569	.03580		
1011	2	-18.5285	-.06045	-.06049	.0000	.0001
1011	3	114.3693	.01909	.01909		
1011	4	-748.5698	.00027	.00027		
1011	5	-462.4899	.00016	.00016	.0000	.0001
1011	6	26.5352	.00003	.00003		
1012	1	8.9525	.03477	.03590		
1012	2	18.4469	.06272	.06202	.0000	.0007
1012	3	-117.0560	-.01954	-.01954		
1012	4	660.5196	-.00028	-.00029		
1012	5	-129.3601	.00017	.00017	.0000	.0007
1012	6	30.9159	.00003	.00003		

STRAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 4
CYCLE NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	15.4015	.05236	.05119		
1010	2	.0040	.00115	.00149		
1010	3	-5.2592	-.00088	-.00088		
1010	4	-51.2115	-.00001	-.00001		
1010	5	-506.0442	.00024	.00023		
1010	6	10.6834	.00001	.00001		
1011	1	-7.7412	-.02472	-.02454		
1011	2	15.1442	.04154	.04112		
1011	3	-68.0905	-.01137	-.01137		
1011	4	621.1908	-.00018	-.00018		
1011	5	353.7946	-.00011	-.00011		
1011	6	-14.3933	-.00001	-.00001		
1012	1	-6.4731	-.02386	-.02432		
1012	2	-13.3965	-.04328	-.04210		
1012	3	63.5880	.01061	.01061		
1012	4	-549.4516	.00019	.00019		
1012	5	152.8299	-.00011	-.00011		
1012	6	-12.7797	-.00001	-.00001		

SIHAN-NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 4
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	15.4495	.05177	.05176		
1010	2	.0044	.00111	.00151	.0000	.0000
1010	3	-5.2580	-.00088	-.00088		
1010	4	-51.4716	-.00001	-.00001		
1010	5	-508.9125	.00023	.00023	.0000	.0000
1010	6	10.7799	.00001	.00001		
1011	1	-7.7458	-.02459	-.02466		
1011	2	15.0842	.04116	.04112	.0000	.0000
1011	3	-68.0253	-.01135	-.01135		
1011	4	609.7442	-.00018	-.00018		
1011	5	350.4383	-.00011	-.00011	.0000	.0000
1011	6	-14.2847	-.00001	-.00001		
1012	1	-6.5121	-.02373	-.02458		
1012	2	-13.3952	-.04267	-.04238	.0000	.0002
1012	3	63.5312	.01060	.01060		
1012	4	-505.6641	.00019	.00019		
1012	5	148.8055	-.00011	-.00011	.0000	.0002
1012	6	-12.6716	-.00001	-.00001		

LOAD CONDITION NO. 5
CYCLE NO. 1

SIKAN - NONLINEAR SUPPORT ITERATIONS

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	-48.2711	-.16879	-.22420		
1010	2	.6366	-.00279	-.00596		
1010	3	5.3451	.00089	.00089		
1010	4	254.6397	.00003	.00003		
1010	5	1446.5043	-.00079	-.00100		
1010	6	-26.6620	-.00003	-.00003		
1011	1	22.7964	.07514	.09536		
1011	2	-38.9312	-.13005	-.16588		
1011	3	267.1860	.04460	.04460		
1011	4	-1458.3180	.00059	.00072		
1011	5	-901.5542	.00034	.00041		
1011	6	61.9795	.00006	.00006		
1012	1	19.6917	.07642	.10115		
1012	2	38.3972	.13231	.16862		
1012	3	-276.5864	-.04617	-.04617		
1012	4	1255.6586	-.00061	-.00076		
1012	5	-230.6060	.00038	.00046		
1012	6	82.8500	.00009	.00009		

STRAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 5
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-47.0697	-.20008	-.19314		
1010	2	.6870	-.00305	-.00464	.0069	.0357
1010	3	5.3684	.00090	.00090		
1010	4	262.2395	.00003	.00002		
1010	5	2131.0307	-.00085	-.00081	.0000	.0399
1010	6	-24.9014	-.00003	-.00003		
1011	1	22.3452	.08703	.08503		
1011	2	-39.6467	-.15442	-.15088	.0041	.0234
1011	3	269.9106	.04505	.04505		
1011	4	-2058.3243	.00064	.00062		
1011	5	-1159.9076	.00036	.00035	.0000	.0305
1011	6	64.5618	.00007	.00007		
1012	1	19.0270	.08809	.08820		
1012	2	38.8356	.15696	.15131	.0048	.0277
1012	3	-279.2965	-.04662	-.04662		
1012	4	1866.1556	-.00066	-.00065		
1012	5	-473.4463	.00040	.00038	.0000	.0322
1012	6	65.4624	.00009	.00009		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	23.1543	.09319	.06998		
1010	2	-.6524	-.00038	.00026		
1010	3	-5.6858	-.00112	-.00112		
1010	4	-122.3092	-.00000	-.00000		
1010	5	-1250.6156	.00038	.00029		
1010	6	16.9012	.00002	.00002		
1011	1	-11.1818	-.04166	-.03283		
1011	2	20.9425	.07576	.05908		
1011	3	-99.3682	-.01659	-.01659		
1011	4	1320.6654	-.00050	-.00023		
1011	5	656.7885	-.00017	-.00013		
1011	6	-19.3559	-.00002	-.00002		
1012	1	-10.3646	-.04369	-.03483		
1012	2	-20.6322	-.07646	-.05847		
1012	3	69.9658	.01502	.01502		
1012	4	-1264.4617	.00030	.00024		
1012	5	426.9785	-.00019	-.00014		
1012	6	-20.7793	-.00002	-.00002		

S T R A N - N O N L I N E A R S U P P O R T I T E R A T I O N S

LOAD CONDITION NO. 6
CYCLE NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	23.6276	.07869	.07987		
1010	2	-.6705	-.00050	.00041	.0010	.0124
1010	3	-6.6880	-.00112	-.00112		
1010	4	-116.4143	-.00001	-.00000		
1010	5	-928.0081	.00035	.00036	.0000	.0131
1010	6	17.5239	.00002	.00002		
1011	1	-11.3604	-.03607	-.03653		
1011	2	20.6627	.06430	.06459	.0005	.0065
1011	3	-98.0514	-.01637	-.01637		
1011	4	1027.4579	-.00027	-.00027		
1011	5	531.4817	-.00016	-.00016	.0000	.0076
1011	6	-18.3631	-.00002	-.00002		
1012	1	-10.6284	-.03792	-.03945		
1012	2	-20.5326	-.06503	-.06476	.0005	.0073
1012	3	88.6843	.01480	.01480		
1012	4	-959.8952	.00028	.00029		
1012	5	297.9264	-.00018	-.00017	.0000	.0082
1012	6	-19.7530	-.00002	-.00002		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	-115.4679	-.40842	-.74657		
1010	2	1.4525	-.00682	-.01978		
1010	3	12.2095	.00204	.00204		
1010	4	600.6293	.00007	.00008		
1010	5	3469.3738	-.00190	-.00307		
1010	6	-64.5501	-.00007	-.00007		
1011	1	55.4445	.18515	.32282		
1011	2	-45.5547	-.31559	-.55236		
1011	3	660.1000	.11018	.11018		
1011	4	-3509.2497	.00142	.00223		
1011	5	-2170.0545	.00083	.00130		
1011	6	171.6652	.00018	.00018		
1012	1	48.1010	.18716	.34690		
1012	2	92.1699	.32070	.57379		
1012	3	-666.9934	-.11467	-.11467		
1012	4	2963.7541	-.00148	-.00240		
1012	5	-621.7436	.00093	.00145		
1012	6	172.4537	.00018	.00018		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-110.5251	-.56247	-.56881		
1010	2	1.4247	-.00633	-.01288	.0136	.0239
1010	3	12.3668	.00206	.00206		
1010	4	549.7543	.00007	.00005		
1010	5	6660.1904	-.00217	-.00213	.0000	.0207
1010	6	-57.4506	-.00006	-.00006		
1011	1	53.3914	.25567	.26120		
1011	2	-96.1442	-.45469	-.46253	.0095	.0183
1011	3	672.8815	.11231	.11231		
1011	4	-8339.5365	.00165	.00168		
1011	5	-3410.7218	.00094	.00095	.0000	.0196
1011	6	163.5101	.00019	.00019		
1012	1	45.5436	.25564	.26956		
1012	2	93.7836	.46135	.46803	.0127	.0240
1012	3	-699.7620	-.11660	-.11680		
1012	4	5972.4540	-.00172	-.00178		
1012	5	-1850.0601	.00103	.00102	.0000	.0233
1012	6	184.5548	.00019	.00019		

LOAD CONDITION NO. 7
CYCLE NO. 2

S T R A N - N O N L I N E A R S U P P O R T I T E R A T I O N S

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-116.4849	-.54749	-.61756		
1010	2	1.3536	-.00812	-.01476	.0700	.1278
1010	3	12.4514	.00208	.00208		
1010	4	533.4071	.00007	.00006		
1010	5	6900.8142	-.00222	-.00231	.0001	.0424
1010	6	-78.1782	-.00008	-.00008		
1011	1	56.3588	.27453	.25769		
1011	2	-91.5110	-.45116	-.42562	.0305	.0612
1011	3	672.9946	.11233	.11233		
1011	4	-6249.1802	.00165	.00152		
1011	5	-5943.4022	.00099	.00092	.0001	.0804
1011	6	102.6746	.00017	.00017		
1012	1	48.0805	.27481	.26062		
1012	2	88.2063	.45804	.42266	.0376	.0757
1012	3	-649.7898	-.11661	-.11681		
1012	4	5806.0620	-.00171	-.00158		
1012	5	-2427.7651	.00108	.00098	.0002	.0894
1012	6	103.4564	.00017	.00017		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS, IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN, RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN, RAD)	PERCENT DIFFERENCE
1010	1	30.7990	.15200	.08439		
1010	2	-.4993	.00032	-.00137		
1010	3	-11.3946	-.00190	-.00190		
1010	4	-125.7349	-.00001	.00000		
1010	5	-2190.2923	.00054	.00031		
1010	6	25.2521	.00003	.00003		
1011	1	-15.5876	-.07044	-.04259		
1011	2	28.7571	.12513	.07421		
1011	3	-129.8285	-.02167	-.02167		
1011	4	2267.9731	-.00043	-.00025		
1011	5	1141.3244	-.00025	-.00014		
1011	6	-23.9449	-.00002	-.00002		
1012	1	-14.1316	-.07124	-.04268		
1012	2	-28.6199	-.12753	-.07321		
1012	3	112.9480	.01885	.01885		
1012	4	-2263.4756	.00044	.00026		
1012	5	842.7118	-.00027	-.00015		
1012	6	-23.6710	-.00002	-.00002		

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DIFFERENCE (IN,RAD)	PILE-STRUCTURE DISPLACEMENTS PERCENT DIFFERENCE
1010	1	31.8586	.10733	.11422		
1010	2	-.6049	.00020	-.00217	.0069	.0644
1010	3	-11.3589	-.00190	-.00190		
1010	4	-128.4784	-.00001	.00001		
1010	5	-1339.4151	.00047	.00050	.0000	.0650
1010	6	26.4432	.00003	.00003		
1011	1	-15.9947	-.05154	-.05456		
1011	2	28.1675	.08855	.09279	.0052	.0507
1011	3	-126.3644	-.02109	-.02109		
1011	4	1496.5643	-.00036	-.00039		
1011	5	791.7848	-.00022	-.00023	.0000	.0578
1011	6	-21.5137	-.00002	-.00002		
1012	1	-14.6496	-.05247	-.05750		
1012	2	-28.5471	-.09070	-.09484	.0060	.0575
1012	3	109.5485	.01829	.01829		
1012	4	-1451.0231	.00038	.00041		
1012	5	480.0228	-.00024	-.00025	.0000	.0618
1012	6	-21.1591	-.00002	-.00002		

S T R A N - P I L E A N A L Y S I S

LOAD CONDITION NO. 1
PILE JOINT NO. 1010

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0259	-225.11	68.94	.0000	-.33	137.88	.0000	.00
2.03	.0229	-43.00	70.97	.0000	.57	139.91	.0000	.00
4.06	.0199	129.87	72.99	.0000	1.07	141.93	-.0000	.00
6.08	.0170	290.14	75.02	.0000	1.27	143.96	-.0000	.00
8.11	.0141	434.30	77.05	.0000	1.27	145.99	-.0000	.00
10.14	.0115	560.55	79.08	.0000	1.14	148.02	-.0000	.00
12.17	.0091	654.06	81.10	.0000	.94	150.04	-.0000	.00
14.19	.0069	707.34	83.13	-.0000	.73	152.07	-.0000	.00
16.22	.0051	718.98	85.16	-.0000	.53	154.10	-.0000	.00
18.25	.0035	695.67	87.19	-.0000	.35	156.13	-.0000	.00
20.28	.0022	645.17	89.22	-.0000	.21	158.15	-.0000	.00
22.30	.0012	575.62	91.24	-.0000	.10	160.18	-.0000	-.00
24.33	.0004	494.84	93.27	-.0000	.03	162.21	-.0000	-.00
26.36	-.0001	409.70	95.30	-.0000	-.02	164.24	-.0000	-.00
28.39	-.0005	325.89	97.33	-.0000	-.04	166.26	-.0000	-.00
30.41	-.0007	247.72	99.35	-.0000	-.05	168.29	-.0000	-.00
32.44	-.0007	178.17	101.38	-.0000	-.05	170.32	-.0000	-.00
34.47	-.0007	118.95	103.41	-.0000	-.04	172.35	-.0000	-.00
36.50	-.0007	70.75	105.44	.0000	-.04	174.37	-.0000	-.00
38.52	-.0006	33.52	107.46	.0000	-.03	176.40	-.0000	-.00
40.55	-.0005	5.83	109.49	.0000	-.02	178.43	.0000	-.00
42.58	-.0004	-12.97	111.52	.0000	-.02	180.46	.0000	-.00
44.61	-.0003	-24.53	113.55	.0000	-.01	182.49	.0000	-.00
46.64	-.0002	-30.37	115.57	.0000	-.01	184.51	.0000	-.00
48.66	-.0001	-31.95	117.60	.0000	-.01	186.54	.0000	-.00
50.69	-.0001	-30.51	119.63	.0000	-.00	188.57	.0000	-.00
52.72	-.0000	-27.20	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-22.90	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-18.27	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-13.80	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-9.80	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0000	-6.45	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-3.74	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-1.73	135.85	.0000	.00			

S T M A N - P I L E A N A L Y S I S

LOAD CONDITION NO. 1
PILE JOINT NO. 1011

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0250	-269.74	68.94	.0000	-.40	137.88	.0000	.00
2.03	.0204	-100.57	70.97	.0000	.43	139.91	.0000	.00
4.06	.0178	82.11	72.99	.0000	.91	141.93	-.0000	.00
6.08	.0155	213.50	75.02	.0000	1.11	143.96	-.0000	.00
8.11	.0128	350.38	77.05	.0000	1.12	145.99	-.0000	.00
10.14	.0104	471.09	79.08	.0000	1.01	148.02	-.0000	.00
12.17	.0085	562.07	81.10	.0000	.85	150.04	-.0000	.00
14.19	.0069	616.39	83.13	-.0000	.66	152.07	-.0000	.00
16.22	.0047	632.57	85.16	-.0000	.48	154.10	-.0000	.00
18.25	.0032	616.51	87.19	-.0000	.32	156.13	-.0000	.00
20.28	.0021	575.16	89.22	-.0000	.20	158.15	-.0000	.00
22.30	.0011	515.45	91.24	-.0000	.10	160.18	-.0000	-.00
24.33	.0004	445.60	93.27	-.0000	.03	162.21	-.0000	-.00
26.36	-.0000	370.73	95.30	-.0000	-.01	164.24	-.0000	-.00
28.39	-.0004	296.43	97.33	-.0000	-.03	166.26	-.0000	-.00
30.41	-.0006	226.67	99.35	-.0000	-.04	168.29	-.0000	-.00
32.44	-.0006	164.26	101.38	-.0000	-.04	170.32	-.0000	-.00
34.47	-.0007	110.84	103.41	-.0000	-.04	172.35	-.0000	-.00
36.50	-.0006	67.13	105.44	.0000	-.03	174.37	-.0000	-.00
38.52	-.0005	32.99	107.46	.0000	-.03	176.40	-.0000	-.00
40.55	-.0005	7.73	109.49	.0000	-.02	178.43	.0000	-.00
42.58	-.0004	-9.71	111.52	.0000	-.02	180.46	.0000	-.00
44.61	-.0003	-20.61	113.55	.0000	-.01	182.49	.0000	-.00
46.64	-.0002	-26.29	115.57	.0000	-.01	184.51	.0000	-.00
48.66	-.0001	-28.06	117.60	.0000	-.01	186.54	.0000	-.00
50.69	-.0001	-27.07	119.63	.0000	-.00	188.57	.0000	-.00
52.72	-.0000	-24.31	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-20.59	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-16.53	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-12.57	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-8.99	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0000	-5.95	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-3.53	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-1.84	135.85	.0000	.00			

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0254	-185.45	68.94	.0000	-.27	137.88	.0000	.00
2.03	.0207	-24.34	70.97	.0000	.54	139.91	.0000	.00
4.06	.0160	130.21	72.99	.0000	.98	141.93	-.0000	.00
6.08	.0153	273.36	75.02	.0000	1.16	143.96	-.0000	.00
8.11	.0128	401.96	77.05	.0000	1.15	145.99	-.0000	.00
10.14	.0104	514.39	79.08	.0000	1.03	148.02	-.0000	.00
12.17	.0082	597.28	81.10	.0000	.85	150.04	-.0000	.00
14.19	.0062	643.93	83.13	-.0000	.66	152.07	-.0000	.00
16.22	.0045	653.11	85.16	-.0000	.48	154.10	-.0000	.00
18.25	.0031	630.89	87.19	-.0000	.32	156.13	-.0000	.00
20.28	.0020	584.29	89.22	-.0000	.19	158.15	-.0000	.00
22.30	.0010	520.67	91.24	-.0000	.09	160.18	-.0000	-.00
24.33	.0004	447.08	93.27	-.0000	.03	162.21	-.0000	-.00
26.36	-.0001	369.73	95.30	-.0000	-.02	164.24	-.0000	-.00
28.39	-.0004	293.73	97.33	-.0000	-.04	166.26	-.0000	-.00
30.41	-.0006	222.95	99.35	-.0000	-.05	168.29	-.0000	-.00
32.44	-.0007	160.05	101.38	-.0000	-.05	170.32	-.0000	-.00
34.47	-.0007	106.57	103.41	-.0000	-.04	172.35	-.0000	-.00
36.50	-.0006	63.09	105.44	.0000	-.03	174.37	-.0000	-.00
38.52	-.0005	29.38	107.46	.0000	-.03	176.40	-.0000	-.00
40.55	-.0005	4.67	109.49	.0000	-.02	178.43	.0000	-.00
42.58	-.0004	-12.20	111.52	.0000	-.02	180.46	.0000	-.00
44.61	-.0003	-22.53	113.55	.0000	-.01	182.49	.0000	-.00
46.64	-.0002	-27.71	115.57	.0000	-.01	184.51	.0000	-.00
48.66	-.0001	-29.05	117.60	.0000	-.00	186.54	.0000	-.00
50.69	-.0001	-27.67	119.63	.0000	-.00	188.57	.0000	-.00
52.72	-.0000	-24.62	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-20.70	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-16.49	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-12.44	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-8.81	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0000	-5.77	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-3.34	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-1.53	135.85	.0000	.00			

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0193	-178.80	68.94	.0000	-.26	137.88	.0000	.00
2.03	.0171	-42.89	70.97	.0000	.41	139.91	.0000	.00
4.06	.0149	87.61	72.99	.0000	.79	141.93	-.0000	.00
6.08	.0127	208.70	75.02	.0000	.94	143.96	-.0000	.00
8.11	.0106	317.74	77.05	.0000	.94	145.99	-.0000	.00
10.14	.0086	413.58	79.08	.0000	.85	148.02	-.0000	.00
12.17	.0068	484.48	81.10	.0000	.71	150.04	-.0000	.00
14.19	.0052	525.43	83.13	-.0000	.55	152.07	-.0000	.00
16.22	.0038	535.13	85.16	-.0000	.40	154.10	-.0000	.00
18.25	.0026	518.55	87.19	-.0000	.26	156.13	-.0000	.00
20.28	.0016	481.49	89.22	-.0000	.16	158.15	-.0000	.00
22.30	.0009	430.05	91.24	-.0000	.08	160.18	-.0000	-.00
24.33	.0003	370.07	93.27	-.0000	.02	162.21	-.0000	-.00
26.36	-.0001	306.71	95.30	-.0000	-.01	164.24	-.0000	-.00
28.39	-.0003	244.23	97.33	-.0000	-.03	166.26	-.0000	-.00
30.41	-.0005	185.88	99.35	-.0000	-.04	168.29	-.0000	-.00
32.44	-.0005	133.90	101.38	-.0000	-.04	170.32	-.0000	-.00
34.47	-.0006	89.60	103.41	-.0000	-.03	172.35	-.0000	-.00
36.50	-.0005	53.50	105.44	.0000	-.03	174.37	-.0000	-.00
38.52	-.0004	25.43	107.46	.0000	-.02	176.40	-.0000	-.00
40.55	-.0004	4.79	109.49	.0000	-.02	178.43	.0000	-.00
42.58	-.0003	-9.36	111.52	.0000	-.01	180.46	.0000	-.00
44.61	-.0002	-18.09	113.55	.0000	-.01	182.49	.0000	-.00
46.64	-.0002	-22.54	115.57	.0000	-.01	184.51	.0000	-.00
48.66	-.0001	-23.79	117.60	.0000	-.00	186.54	.0000	-.00
50.69	-.0001	-22.75	119.63	.0000	-.00	188.57	.0000	-.00
52.72	-.0000	-20.31	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-17.16	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-13.66	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-10.35	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-7.36	129.77	.0000	.00	198.71	.0000	-.00
62.85	.0000	-4.83	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-2.83	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-1.32	135.85	.0000	.00			

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 2
PILE JOINT NO. 1011

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0172	-210.65	66.94	.0000	-.31	137.88	.0000	.00
2.03	.0155	-82.96	70.97	.0000	.32	139.91	.0000	.00
4.05	.0134	59.89	72.99	.0000	.67	141.93	-.0000	.00
6.08	.0114	154.27	75.02	.0000	.83	143.96	-.0000	.00
8.11	.0096	257.77	77.05	.0000	.84	145.99	-.0000	.00
10.14	.0078	349.14	79.08	.0000	.76	148.02	-.0000	.00
12.17	.0062	418.18	81.10	.0000	.64	150.04	-.0000	.00
14.19	.0048	459.68	83.13	-.0000	.50	152.07	-.0000	.00
16.22	.0035	472.50	85.16	-.0000	.36	154.10	-.0000	.00
18.25	.0024	461.05	87.19	-.0000	.24	156.13	-.0000	.00
20.28	.0016	430.54	89.22	-.0000	.15	158.15	-.0000	.00
22.30	.0009	386.46	91.24	-.0000	.08	160.18	-.0000	-.00
24.33	.0005	334.10	93.27	-.0000	.02	162.21	-.0000	-.00
26.36	-.0000	278.17	95.30	-.0000	-.01	164.24	-.0000	-.00
28.39	-.0003	222.54	97.33	-.0000	-.03	166.26	-.0000	-.00
30.41	-.0004	170.36	99.35	-.0000	-.03	168.29	-.0000	-.00
32.44	-.0005	123.59	101.38	-.0000	-.03	170.32	-.0000	-.00
34.47	-.0005	83.52	103.41	-.0000	-.03	172.35	-.0000	-.00
36.50	-.0005	50.71	105.44	.0000	-.02	174.37	-.0000	-.00
38.52	-.0004	25.06	107.46	.0000	-.02	176.40	-.0000	-.00
40.55	-.0003	6.06	109.49	.0000	-.02	178.43	.0000	-.00
42.58	-.0003	-7.07	111.52	.0000	-.01	180.46	.0000	-.00
44.61	-.0002	-15.30	113.55	.0000	-.01	182.49	.0000	-.00
46.64	-.0001	-19.61	115.57	.0000	-.01	184.51	.0000	-.00
48.66	-.0001	-20.97	117.60	.0000	-.00	186.54	.0000	-.00
50.69	-.0001	-20.20	119.63	.0000	-.00	188.57	.0000	-.00
52.72	-.0000	-18.21	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-15.44	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-12.41	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-9.44	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-6.76	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0000	-4.48	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-2.66	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-1.28	135.85	.0000	.00			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0176	-148.30	68.94	.0000	-.22	137.88	.0000	.00
2.03	.0155	-26.42	70.97	.0000	.39	139.91	.0000	.00
4.06	.0135	90.54	72.99	.0000	.73	141.93	-.0000	.00
6.08	.0115	198.95	75.02	.0000	.86	143.96	-.0000	.00
8.11	.0096	296.43	77.05	.0000	.86	145.99	-.0000	.00
10.14	.0078	381.77	79.08	.0000	.77	148.02	-.0000	.00
12.17	.0061	444.90	81.10	.0000	.64	150.04	-.0000	.00
14.19	.0047	480.77	83.13	-.0000	.50	152.07	-.0000	.00
16.22	.0034	486.42	85.16	-.0000	.36	154.10	-.0000	.00
18.25	.0024	472.39	87.19	-.0000	.24	156.13	-.0000	.00
20.28	.0015	457.95	89.22	-.0000	.14	158.15	-.0000	.00
22.30	.0008	390.62	91.24	-.0000	.07	160.18	-.0000	-.00
24.33	.0003	335.71	93.27	-.0000	.02	162.21	-.0000	-.00
26.36	-.0001	277.88	95.30	-.0000	-.01	164.24	-.0000	-.00
28.39	-.0003	220.97	97.33	-.0000	-.03	166.26	-.0000	-.00
30.41	-.0004	167.91	99.35	-.0000	-.03	168.29	-.0000	-.00
32.44	-.0005	120.72	101.38	-.0000	-.03	170.32	-.0000	-.00
34.47	-.0005	80.55	103.41	-.0000	-.03	172.35	-.0000	-.00
36.50	-.0005	47.86	105.44	.0000	-.03	174.37	-.0000	-.00
38.52	-.0004	22.49	107.46	.0000	-.02	176.40	-.0000	-.00
40.55	-.0003	3.86	109.49	.0000	-.02	178.43	.0000	-.00
42.58	-.0003	-8.87	111.52	.0000	-.01	180.46	.0000	-.00
44.61	-.0002	-16.70	113.55	.0000	-.01	182.49	.0000	-.00
46.64	-.0001	-20.64	115.57	.0000	-.01	184.51	.0000	-.00
48.66	-.0001	-21.59	117.60	.0000	-.00	186.54	.0000	-.00
50.69	-.0001	-20.71	119.63	.0000	-.00	188.57	.0000	-.00
52.72	-.0000	-18.46	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-15.53	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-12.39	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-9.36	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-6.64	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0000	-4.35	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-2.53	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-1.17	135.85	.0000	.00			

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0783	-737.61	68.94	.0001	-1.11	137.88	.0000	.01
2.03	.0694	-194.22	70.97	.0000	1.65	139.91	.0000	.01
4.06	.0604	332.44	72.99	.0000	3.18	141.93	-.0000	.00
6.08	.0515	826.46	75.02	.0000	3.81	143.96	-.0000	.00
8.11	.0430	1272.77	77.05	.0000	3.82	145.99	-.0000	.00
10.14	.0350	1664.59	79.08	.0000	3.44	148.02	-.0000	.00
12.17	.0277	1956.61	81.10	.0000	2.87	150.04	-.0000	.00
14.19	.0212	2125.86	83.13	-.0000	2.23	152.07	-.0000	.00
16.22	.0155	2167.85	85.16	-.0000	1.61	154.10	-.0000	.00
18.25	.0107	2102.71	87.19	-.0000	1.08	156.13	-.0000	.00
20.28	.0067	1954.00	89.22	-.0000	.65	158.15	-.0000	.00
22.30	.0036	1748.46	91.24	-.0000	.32	160.18	-.0000	-.00
24.33	.0013	1503.85	93.27	-.0000	.10	162.21	-.0000	-.00
26.36	-.0003	1247.19	95.30	-.0000	-.05	164.24	-.0000	-.00
28.39	-.0013	993.83	97.33	-.0000	-.12	166.26	-.0000	-.00
30.41	-.0020	757.00	99.35	-.0000	-.15	168.29	-.0000	-.00
32.44	-.0022	545.86	101.38	-.0000	-.15	170.32	-.0000	-.00
34.47	-.0022	365.79	103.41	-.0000	-.13	172.35	-.0000	-.00
36.50	-.0021	218.94	105.44	.0000	-.11	174.37	-.0000	-.00
38.52	-.0018	104.70	107.46	.0000	-.09	176.40	-.0000	-.00
40.55	-.0015	20.58	109.49	.0000	-.07	178.43	.0000	-.00
42.58	-.0012	-37.15	111.52	.0000	-.06	180.46	.0000	-.00
44.61	-.0009	-72.86	113.55	.0000	-.04	182.49	.0000	-.00
46.64	-.0007	-91.10	115.57	.0000	-.03	184.51	.0000	-.00
48.66	-.0004	-96.25	117.60	.0000	-.02	186.54	.0000	-.00
50.69	-.0003	-92.25	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0001	-82.45	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-69.55	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-55.62	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0001	-42.11	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-29.97	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-19.72	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-11.55	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-5.42	135.85	.0000	.01			

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0703	-879.76	68.94	.0000	-1.53	137.88	.0000	.01
2.03	.0625	-560.85	70.97	.0000	1.25	139.91	.0000	.00
4.06	.0546	141.62	72.99	.0000	2.72	141.93	-.0000	.00
6.08	.0468	811.99	75.02	.0000	3.35	143.96	-.0000	.00
8.11	.0392	1037.91	77.05	.0000	3.40	145.99	-.0000	.00
10.14	.0320	1414.19	79.08	.0000	3.10	148.02	-.0000	.00
12.17	.0255	1699.18	81.10	.0000	2.60	150.04	-.0000	.00
14.19	.0195	1871.37	83.13	-.0000	2.03	152.07	-.0000	.00
16.22	.0148	1926.04	85.16	-.0000	1.48	154.10	-.0000	.00
18.25	.0100	1881.22	87.19	-.0000	1.00	156.13	-.0000	.00
20.28	.0064	1758.13	89.22	-.0000	.61	158.15	-.0000	.00
22.30	.0036	1579.22	91.24	-.0000	.31	160.18	-.0000	-.00
24.33	.0014	1366.18	93.27	-.0000	.10	162.21	-.0000	-.00
26.36	-.0001	1138.28	95.30	-.0000	-.03	164.24	-.0000	-.00
28.39	-.0011	911.53	97.33	-.0000	-.10	166.26	-.0000	-.00
30.41	-.0017	698.27	99.35	-.0000	-.13	168.29	-.0000	-.00
32.44	-.0019	507.12	101.38	-.0000	-.13	170.32	-.0000	-.00
34.47	-.0020	343.29	103.41	-.0000	-.12	172.35	-.0000	-.00
36.50	-.0019	208.99	105.44	.0000	-.10	174.37	-.0000	-.00
38.52	-.0016	103.95	107.46	.0000	-.08	176.40	-.0000	-.00
40.55	-.0014	26.04	109.49	.0000	-.07	178.43	.0000	-.00
42.58	-.0011	-27.90	111.52	.0000	-.05	180.46	.0000	-.00
44.61	-.0008	-61.75	113.55	.0000	-.04	182.49	.0000	-.00
46.64	-.0006	-79.59	115.57	.0000	-.03	184.51	.0000	-.00
48.66	-.0004	-85.34	117.60	.0000	-.02	186.54	.0000	-.00
50.69	-.0003	-82.57	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0001	-74.55	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-63.08	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-50.73	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-38.65	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-27.71	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-18.41	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-10.96	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-5.32	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0717	-653.77	68.94	.0000	-.95	137.88	.0000	.01
2.03	.0655	-155.24	70.97	.0000	1.56	139.91	.0000	.01
4.06	.0552	326.85	72.99	.0000	2.95	141.93	-.0000	.00
6.08	.0471	776.75	75.02	.0000	3.51	143.96	-.0000	.00
8.11	.0393	1181.87	77.05	.0000	3.51	145.99	-.0000	.00
10.14	.0320	1537.16	79.08	.0000	3.16	148.02	-.0000	.00
12.17	.0253	1801.26	81.10	.0000	2.63	150.04	-.0000	.00
14.19	.0193	1955.26	83.13	-.0000	2.04	152.07	-.0000	.00
16.22	.0141	1989.12	85.16	-.0000	1.47	154.10	-.0000	.00
18.25	.0097	1927.35	87.19	-.0000	.98	156.13	-.0000	.00
20.28	.0061	1789.51	89.22	-.0000	.59	158.15	-.0000	.00
22.30	.0035	1598.21	91.24	-.0000	.29	160.18	-.0000	-.00
24.33	.0012	1375.18	93.27	-.0000	.09	162.21	-.0000	-.00
26.36	-.0003	1139.62	95.30	-.0000	-.04	164.24	-.0000	-.00
28.39	-.0013	907.36	97.33	-.0000	-.11	166.26	-.0000	-.00
30.41	-.0018	690.47	99.35	-.0000	-.14	168.29	-.0000	-.00
32.44	-.0020	497.26	101.38	-.0000	-.14	170.32	-.0000	-.00
34.47	-.0020	332.61	103.41	-.0000	-.12	172.35	-.0000	-.00
36.50	-.0019	198.45	105.44	.0000	-.10	174.37	-.0000	-.00
38.52	-.0017	94.16	107.46	.0000	-.08	176.40	-.0000	-.00
40.55	-.0014	17.50	109.49	.0000	-.07	178.43	.0000	-.00
42.58	-.0011	-35.04	111.52	.0000	-.05	180.46	.0000	-.00
44.61	-.0008	-67.45	113.55	.0000	-.04	182.49	.0000	-.00
46.64	-.0006	-83.92	115.57	.0000	-.02	184.51	.0000	-.00
48.66	-.0004	-88.44	117.60	.0000	-.02	186.54	.0000	-.00
50.69	-.0002	-84.63	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0001	-75.54	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-63.65	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-50.84	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0001	-38.45	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-27.33	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-17.95	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-10.48	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-4.88	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0518	-567.16	68.94	.0000	-.84	137.88	.0000	.00
2.03	.0460	-191.36	70.97	.0000	1.02	139.91	.0000	.00
4.06	.0401	169.84	72.99	.0000	2.07	141.93	-.0000	.00
6.08	.0343	505.67	75.02	.0000	2.50	143.96	-.0000	.00
8.11	.0286	808.96	77.05	.0000	2.52	145.99	-.0000	.00
10.14	.0234	1075.96	79.08	.0000	2.28	148.02	-.0000	.00
12.17	.0185	1276.39	81.10	.0000	1.91	150.04	-.0000	.00
14.19	.0142	1394.77	83.13	-.0000	1.48	152.07	-.0000	.00
16.22	.0104	1427.90	85.16	-.0000	1.08	154.10	-.0000	.00
18.25	.0072	1389.12	87.19	-.0000	.72	156.13	-.0000	.00
20.28	.0046	1294.01	89.22	-.0000	.44	158.15	-.0000	.00
22.30	.0025	1159.03	91.24	-.0000	.22	160.18	-.0000	-.00
24.33	.0010	1000.01	93.27	-.0000	.07	162.21	-.0000	-.00
26.36	-.0001	830.98	95.30	-.0000	-.03	164.24	-.0000	-.00
28.39	-.0009	663.56	97.33	-.0000	-.08	166.26	-.0000	-.00
30.41	-.0013	506.66	99.35	-.0000	-.10	168.29	-.0000	-.00
32.44	-.0015	366.45	101.38	-.0000	-.10	170.32	-.0000	-.00
34.47	-.0015	246.63	103.41	-.0000	-.09	172.35	-.0000	-.00
36.50	-.0014	148.69	105.44	.0000	-.07	174.37	-.0000	-.00
38.52	-.0012	72.52	107.46	.0000	-.06	176.40	-.0000	-.00
40.55	-.0010	15.93	109.49	.0000	-.05	178.43	.0000	-.00
42.58	-.0008	-22.95	111.52	.0000	-.04	180.46	.0000	-.00
44.61	-.0006	-47.11	113.55	.0000	-.03	182.49	.0000	-.00
46.64	-.0004	-59.63	115.57	.0000	-.02	184.51	.0000	-.00
48.66	-.0003	-63.38	117.60	.0000	-.01	186.54	.0000	-.00
50.69	-.0002	-60.99	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0001	-54.67	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-46.25	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-37.06	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-28.15	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-20.08	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0001	-13.27	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0000	-7.82	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0000	-3.72	135.85	.0000	.00			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0479	-703.15	68.94	.0000	-1.04	137.88	.0000	.00
2.03	.0424	-332.85	70.97	.0000	.77	139.91	.0000	.00
4.06	.0375	23.92	72.99	.0000	1.81	141.93	-.0000	.00
6.08	.0322	356.95	75.02	.0000	2.26	143.96	-.0000	.00
8.11	.0270	659.41	77.05	.0000	2.32	145.99	-.0000	.00
10.14	.0221	927.62	79.08	.0000	2.12	148.02	-.0000	.00
12.17	.0176	1152.70	81.10	.0000	1.79	150.04	-.0000	.00
14.19	.0136	1259.61	83.13	-.0000	1.40	152.07	-.0000	.00
16.22	.0100	1304.79	85.16	-.0000	1.03	154.10	-.0000	.00
18.25	.0070	1280.53	87.19	-.0000	.70	156.13	-.0000	.00
20.28	.0045	1201.55	89.22	-.0000	.43	158.15	-.0000	.00
22.30	.0025	1062.68	91.24	-.0000	.22	160.18	-.0000	-.00
24.33	.0011	939.47	93.27	-.0000	.08	162.21	-.0000	-.00
26.36	.0000	785.07	95.30	-.0000	-.02	164.24	-.0000	-.00
28.39	-.0007	630.63	97.33	-.0000	-.07	166.26	-.0000	-.00
30.41	-.0011	484.77	99.35	-.0000	-.09	168.29	-.0000	-.00
32.44	-.0013	353.58	101.38	-.0000	-.09	170.32	-.0000	-.00
34.47	-.0013	240.76	103.41	-.0000	-.08	172.35	-.0000	-.00
36.50	-.0013	147.99	105.44	.0000	-.07	174.37	-.0000	-.00
38.52	-.0011	75.16	107.46	.0000	-.06	176.40	-.0000	-.00
40.55	-.0010	20.95	109.49	.0000	-.05	178.43	.0000	-.00
42.58	-.0008	-16.80	111.52	.0000	-.03	180.46	.0000	-.00
44.61	-.0006	-40.69	113.55	.0000	-.03	182.49	.0000	-.00
46.64	-.0004	-53.49	115.57	.0000	-.02	184.51	.0000	-.00
48.66	-.0003	-57.89	117.60	.0000	-.01	186.54	.0000	-.00
50.69	-.0002	-56.34	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0001	-50.93	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-43.39	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-35.01	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-26.77	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-19.27	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0000	-12.87	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-7.72	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-3.82	135.85	.0000	.00			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0490	-581.29	68.94	.0000	-.87	137.88	.0000	.00
2.03	.0435	-220.21	70.97	.0000	.92	139.91	.0000	.00
4.06	.0380	127.08	72.99	.0000	1.92	141.93	-.0000	.00
6.08	.0325	450.30	75.02	.0000	2.35	143.96	-.0000	.00
8.11	.0272	742.42	77.05	.0000	2.38	145.99	-.0000	.00
10.14	.0222	1000.46	79.08	.0000	2.16	148.02	-.0000	.00
12.17	.0176	1194.97	81.10	.0000	1.81	150.04	-.0000	.00
14.19	.0135	1311.52	83.13	-.0000	1.41	152.07	-.0000	.00
16.22	.0099	1346.33	85.16	-.0000	1.03	154.10	-.0000	.00
18.25	.0069	1312.60	87.19	-.0000	.69	156.13	-.0000	.00
20.28	.0044	1224.89	89.22	-.0000	.42	158.15	-.0000	.00
22.30	.0024	1098.42	91.24	-.0000	.21	160.18	-.0000	-.00
24.33	.0009	949.43	93.27	-.0000	.07	162.21	-.0000	-.00
26.36	-.0001	790.09	95.30	-.0000	-.02	164.24	-.0000	-.00
28.39	-.0008	631.89	97.33	-.0000	-.07	166.26	-.0000	-.00
30.41	-.0012	483.34	99.35	-.0000	-.09	168.29	-.0000	-.00
32.44	-.0014	350.38	101.38	-.0000	-.09	170.32	-.0000	-.00
34.47	-.0014	236.56	103.41	-.0000	-.08	172.35	-.0000	-.00
36.50	-.0013	143.39	105.44	.0000	-.07	174.37	-.0000	-.00
38.52	-.0011	70.61	107.46	.0000	-.06	176.40	-.0000	-.00
40.55	-.0010	16.74	109.49	.0000	-.05	178.43	.0000	-.00
42.58	-.0008	-20.47	111.52	.0000	-.03	180.46	.0000	-.00
44.61	-.0006	-43.74	113.55	.0000	-.03	182.49	.0000	-.00
46.64	-.0004	-55.90	115.57	.0000	-.02	184.51	.0000	-.00
48.66	-.0003	-59.70	117.60	.0000	-.01	186.54	.0000	-.00
50.69	-.0002	-57.62	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0001	-51.77	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0000	-43.86	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-35.22	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-26.79	127.74	.0000	.00	196.68	.0000	-.00
60.83	.0000	-19.17	129.77	.0000	.00	198.71	.0000	-.00
62.86	.0000	-12.70	131.79	.0000	.00	200.73	.0000	-.00
64.88	.0000	-7.53	133.82	.0000	.00	202.76	.0000	-.00
66.91	.0000	-3.62	135.85	.0000	.00			

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1932	-2124.12	68.94	.0001	-7.23	137.88	.0000	.01
2.03	.1729	-979.68	70.97	.0001	.86	139.91	.0000	.01
4.06	.1523	144.40	72.99	.0001	5.74	141.93	.0000	.01
6.08	.1317	1224.77	75.02	.0001	8.17	143.96	-.0000	.01
8.11	.1116	2255.05	77.05	.0000	8.84	145.99	-.0000	.01
10.14	.0924	3206.48	79.08	.0000	8.37	148.02	-.0000	.01
12.17	.0746	4001.35	81.10	.0000	7.24	150.04	-.0000	.00
14.19	.0583	4578.76	83.13	.0000	5.81	152.07	-.0000	.00
16.22	.0439	4895.78	85.16	-.0000	4.36	154.10	-.0000	.00
18.25	.0315	4934.70	87.19	-.0000	3.04	156.13	-.0000	.00
20.28	.0211	4727.48	89.22	-.0000	1.93	158.15	-.0000	.00
22.30	.0127	4356.61	91.24	-.0000	1.06	160.18	-.0000	-.00
24.33	.0062	3825.90	93.27	-.0000	.44	162.21	-.0000	-.00
26.36	.0016	3245.51	95.30	-.0000	.05	164.24	-.0000	-.00
28.39	-.0016	2649.34	97.33	-.0000	-.21	166.26	-.0000	-.00
30.41	-.0037	2073.42	99.35	-.0000	-.32	168.29	-.0000	-.00
32.44	-.0047	1545.52	101.38	-.0000	-.35	170.32	-.0000	-.00
34.47	-.0051	1083.73	103.41	-.0000	-.32	172.35	-.0000	-.00
36.50	-.0049	697.51	105.44	-.0000	-.27	174.37	-.0000	-.00
38.52	-.0045	388.43	107.46	.0000	-.23	176.40	-.0000	-.00
40.55	-.0039	154.20	109.49	.0000	-.18	178.43	.0000	-.00
42.58	-.0032	-13.47	111.52	.0000	-.14	180.46	.0000	-.00
44.61	-.0025	-124.33	113.55	.0000	-.11	182.49	.0000	-.00
46.64	-.0018	-184.36	115.57	.0000	-.08	184.51	.0000	-.00
48.66	-.0013	-214.33	117.60	.0000	-.05	186.54	.0000	-.00
50.69	-.0008	-218.06	119.63	.0000	-.03	188.57	.0000	-.00
52.72	-.0005	-202.20	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0002	-175.86	123.68	.0000	-.00	192.62	.0000	-.00
56.77	-.0000	-144.47	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-112.77	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-83.00	129.77	.0000	.02	198.71	.0000	-.00
62.86	.0002	-57.05	131.79	.0000	.02	200.73	.0000	-.00
64.88	.0002	-35.75	133.82	.0000	.02	202.76	.0000	0.00
66.91	.0002	-19.24	135.85	.0000	.02			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1932	-2124.12	68.94	.0001	-7.23	137.88	.0000	.01
2.03	.1729	-979.68	70.97	.0001	.86	139.91	.0000	.01
4.06	.1525	144.40	72.99	.0001	5.74	141.93	.0000	.01
6.08	.1317	1229.77	75.02	.0001	8.17	143.96	-.0000	.01
8.11	.1110	2255.03	77.05	.0000	8.84	145.99	-.0000	.01
10.14	.0924	3206.48	79.08	.0000	8.37	148.02	-.0000	.01
12.17	.0748	4001.35	81.10	.0000	7.24	150.04	-.0000	.00
14.19	.0583	4578.76	83.13	.0000	5.81	152.07	-.0000	.00
16.22	.0439	4895.78	85.16	-.0000	4.36	154.10	-.0000	.00
18.25	.0315	4934.70	87.19	-.0000	3.04	156.13	-.0000	.00
20.28	.0211	4727.48	89.22	-.0000	1.93	158.15	-.0000	.00
22.30	.0127	4336.61	91.24	-.0000	1.06	160.18	-.0000	-.00
24.33	.0062	3825.90	93.27	-.0000	.44	162.21	-.0000	-.00
26.36	.0016	3245.51	95.30	-.0000	.05	164.24	-.0000	-.00
28.39	-.0016	2649.34	97.33	-.0000	-.21	166.26	-.0000	-.00
30.41	-.0037	2073.42	99.35	-.0000	-.32	168.29	-.0000	-.00
32.44	-.0047	1545.52	101.38	-.0000	-.35	170.32	-.0000	-.00
34.47	-.0051	1083.75	103.41	-.0000	-.32	172.35	-.0000	-.00
36.50	-.0049	697.51	105.44	-.0000	-.27	174.37	-.0000	-.00
38.52	-.0045	388.43	107.46	.0000	-.23	176.40	-.0000	-.00
40.55	-.0039	154.20	109.49	.0000	-.18	178.43	.0000	-.00
42.58	-.0032	-13.47	111.52	.0000	-.14	180.46	.0000	-.00
44.61	-.0025	-124.33	113.55	.0000	-.11	182.49	.0000	-.00
46.64	-.0018	-188.36	115.57	.0000	-.08	184.51	.0000	-.00
48.66	-.0013	-216.33	117.60	.0000	-.05	186.54	.0000	-.00
50.69	-.0008	-218.08	119.63	.0000	-.03	188.57	.0000	-.00
52.72	-.0005	-202.20	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0002	-175.86	123.68	.0000	-.00	192.62	.0000	-.00
56.77	-.0000	-144.67	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-112.77	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-83.00	129.77	.0000	.02	198.71	.0000	-.00
62.86	.0002	-57.05	131.79	.0000	.02	200.73	.0000	-.00
64.88	.0002	-35.75	133.82	.0000	.02	202.76	.0000	0.00
66.91	.0002	-19.24	135.85	.0000	.02			

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 5
PILE JOINT NO. 1011

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1752	-2362.64	68.94	.0001	-6.81	137.88	.0000	.01
2.03	.1555	-1260.15	70.97	.0001	.56	139.91	.0000	.01
4.06	.1372	-177.69	72.99	.0001	5.02	141.93	.0000	.01
6.08	.1189	865.74	75.02	.0001	7.26	143.96	-.0000	.01
8.11	.1009	1852.15	77.05	.0000	7.91	145.99	-.0000	.01
10.14	.0837	2765.91	79.08	.0000	7.52	148.02	-.0000	.01
12.17	.0676	3530.20	81.10	.0000	6.52	150.04	-.0000	.00
14.19	.0529	4086.92	83.13	.0000	5.25	152.07	-.0000	.00
16.22	.0399	4394.24	85.16	-.0000	3.95	154.10	-.0000	.00
18.25	.0287	4438.57	87.19	-.0000	2.75	156.13	-.0000	.00
20.28	.0192	4259.12	89.22	-.0000	1.76	158.15	-.0000	.00
22.30	.0116	3912.34	91.24	-.0000	.98	160.18	-.0000	-.00
24.33	.0058	3454.11	93.27	-.0000	.41	162.21	-.0000	-.00
26.36	.0015	2935.25	95.30	-.0000	.04	164.24	-.0000	-.00
28.39	-.0014	2399.16	97.33	-.0000	-.18	166.26	-.0000	-.00
30.41	-.0032	1880.35	99.35	-.0000	-.29	168.29	-.0000	-.00
32.44	-.0042	1404.11	101.38	-.0000	-.31	170.32	-.0000	-.00
34.47	-.0045	986.94	103.41	-.0000	-.29	172.35	-.0000	-.00
36.50	-.0044	637.56	105.44	-.0000	-.25	174.37	-.0000	-.00
38.52	-.0040	357.92	107.46	.0000	-.20	176.40	-.0000	-.00
40.55	-.0035	145.00	109.49	.0000	-.16	178.43	.0000	-.00
42.58	-.0029	-7.67	111.52	.0000	-.13	180.46	.0000	-.00
44.61	-.0022	-108.65	113.55	.0000	-.10	182.49	.0000	-.00
46.64	-.0017	-167.42	115.57	.0000	-.07	184.51	.0000	-.00
48.66	-.0012	-193.50	117.60	.0000	-.05	186.54	.0000	-.00
50.69	-.0008	-195.76	119.63	.0000	-.03	188.57	.0000	-.00
52.72	-.0004	-181.96	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0002	-158.57	123.68	.0000	-.00	192.62	.0000	-.00
56.77	-.0000	-130.69	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-102.07	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-75.28	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0002	-51.89	131.79	.0000	.02	200.73	.0000	-.00
64.88	.0002	-32.64	133.82	.0000	.02	202.76	.0000	-.00
66.91	.0001	-17.70	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1751	-1650.66	68.94	.0001	-5.71	137.88	.0000	.01
2.03	.1505	-795.95	70.97	.0001	1.41	139.91	.0000	.01
4.06	.1375	238.89	72.99	.0001	5.65	141.93	-.0000	.01
6.08	.1187	1234.68	75.02	.0000	7.69	143.96	-.0000	.01
8.11	.1003	2173.24	77.05	.0000	8.17	145.99	-.0000	.01
10.14	.0828	3058.85	79.08	.0000	7.65	148.02	-.0000	.01
12.17	.0666	3755.00	81.10	.0000	6.56	150.04	-.0000	.00
14.19	.0518	4264.19	83.13	.0000	5.24	152.07	-.0000	.00
16.22	.0388	4525.17	85.16	-.0000	3.90	154.10	-.0000	.00
18.25	.0277	4526.16	87.19	-.0000	2.69	156.13	-.0000	.00
20.28	.0183	4310.36	89.22	-.0000	1.69	158.15	-.0000	.00
22.30	.0108	3934.30	91.24	-.0000	.92	160.18	-.0000	-.00
24.33	.0051	3453.58	93.27	-.0000	.36	162.21	-.0000	-.00
26.36	.0010	2918.50	95.30	-.0000	-.00	164.24	-.0000	-.00
28.39	-.0018	2371.74	97.33	-.0000	-.21	166.26	-.0000	-.00
30.41	-.0035	1846.93	99.35	-.0000	-.31	168.29	-.0000	-.00
32.44	-.0044	1366.44	101.38	-.0000	-.32	170.32	-.0000	-.00
34.47	-.0047	951.88	103.41	-.0000	-.29	172.35	-.0000	-.00
36.50	-.0045	605.13	105.44	-.0000	-.25	174.37	-.0000	-.00
38.52	-.0041	329.38	107.46	.0000	-.21	176.40	-.0000	-.00
40.55	-.0035	120.94	109.49	.0000	-.17	178.43	.0000	-.00
42.58	-.0028	-26.99	111.52	.0000	-.13	180.46	.0000	-.00
44.61	-.0022	-123.48	113.55	.0000	-.10	182.49	.0000	-.00
46.64	-.0016	-178.20	115.57	.0000	-.07	184.51	.0000	-.00
48.66	-.0011	-200.81	117.60	.0000	-.04	186.54	.0000	-.00
50.69	-.0007	-200.24	119.63	.0000	-.03	188.57	.0000	-.00
52.72	-.0004	-184.24	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0002	-159.24	123.68	.0000	-.00	192.62	.0000	-.00
56.77	-.0000	-130.25	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-100.95	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-73.82	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0002	-50.33	131.79	.0000	.02	200.73	.0000	-.00
64.88	.0002	-31.15	133.82	.0000	.02	202.76	.0000	0.00
66.91	.0001	-16.38	135.85	.0000	.02			

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 6
PILE JOINT NO. 1010

U.S. NAVY - ACMN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0799	-927.39	68.94	.0001	-1.41	137.88	.0000	.01
2.03	.0710	-852.53	70.97	.0000	1.50	139.91	.0000	.01
4.06	.0620	-205.51	72.99	.0000	3.14	141.93	-.0000	.00
6.08	.0530	730.77	75.02	.0000	3.84	143.96	-.0000	.00
8.11	.0440	1208.10	77.05	.0000	3.88	145.99	-.0000	.00
10.14	.0352	1629.17	79.08	.0000	3.52	148.02	-.0000	.00
12.17	.0268	1946.92	81.10	.0000	2.95	150.04	-.0000	.00
14.19	.0220	2157.15	83.13	-.0000	2.30	152.07	-.0000	.00
16.22	.0182	2194.66	85.16	-.0000	1.68	154.10	-.0000	.00
18.25	.0115	2139.99	87.19	-.0000	1.13	156.13	-.0000	.00
20.28	.0072	1997.24	89.22	-.0000	.68	158.15	-.0000	.00
22.30	.0040	1791.84	91.24	-.0000	.35	160.18	-.0000	-.00
24.33	.0015	1548.36	93.27	-.0000	.11	162.21	-.0000	-.00
26.36	-.0002	1288.60	95.30	-.0000	-.04	164.24	-.0000	-.00
28.39	-.0013	1030.64	97.33	-.0000	-.12	166.26	-.0000	-.00
30.41	-.0019	788.39	99.35	-.0000	-.15	168.29	-.0000	-.00
32.44	-.0022	571.54	101.38	-.0000	-.15	170.32	-.0000	-.00
34.47	-.0023	385.91	103.41	-.0000	-.14	172.35	-.0000	-.00
36.50	-.0021	233.93	105.44	.0000	-.12	174.37	-.0000	-.00
38.52	-.0019	115.20	107.46	.0000	-.09	176.40	-.0000	-.00
40.55	-.0016	27.34	109.49	.0000	-.07	178.43	.0000	-.00
42.58	-.0013	-33.37	111.52	.0000	-.06	180.46	.0000	-.00
44.61	-.0010	-71.34	113.55	.0000	-.04	182.49	.0000	-.00
46.64	-.0007	-91.19	115.57	.0000	-.03	184.51	.0000	-.00
48.66	-.0005	-97.39	117.60	.0000	-.02	186.54	.0000	-.00
50.69	-.0003	-93.99	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0002	-84.45	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0001	-71.55	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-57.46	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0001	-43.70	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-31.27	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-20.72	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-12.28	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-5.91	135.85	.0000	.01			

S T R A N - P I L E A N A L Y S I S

LOAD CONDITION NO. 6
PILE JOINT NO. 1011

U.S. NAVY - ACHR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0742	-1155.97	66.94	.0001	-1.73	137.88	.0000	.01
2.03	.0663	-501.51	70.97	.0000	1.11	139.91	.0000	.01
4.06	.0581	-23.62	72.99	.0000	2.75	141.93	-.0000	.00
6.08	.0500	501.84	75.02	.0000	3.46	143.96	-.0000	.00
8.11	.0420	979.78	77.05	.0000	3.58	145.99	-.0000	.00
10.14	.0345	1404.41	79.08	.0000	3.29	148.02	-.0000	.00
12.17	.0275	1730.69	81.10	.0000	2.78	150.04	-.0000	.00
14.19	.0212	1934.95	83.13	-.0000	2.19	152.07	-.0000	.00
16.22	.0157	2011.47	85.16	-.0000	1.61	154.10	-.0000	.00
18.25	.0110	1979.22	87.19	-.0000	1.09	156.13	-.0000	.00
20.28	.0071	1860.72	89.22	-.0000	.67	158.15	-.0000	.00
22.30	.0040	1679.92	91.24	-.0000	.35	160.18	-.0000	-.00
24.33	.0017	1460.11	93.27	-.0000	.12	162.21	-.0000	-.00
26.36	.0001	1222.12	95.30	-.0000	-.02	164.24	-.0000	-.00
28.39	-.0010	983.36	97.33	-.0000	-.10	166.26	-.0000	-.00
30.41	-.0017	757.36	99.35	-.0000	-.14	168.29	-.0000	-.00
32.44	-.0020	553.68	101.38	-.0000	-.14	170.32	-.0000	-.00
34.47	-.0021	378.24	103.41	-.0000	-.13	172.35	-.0000	-.00
36.50	-.0020	233.70	105.44	.0000	-.11	174.37	-.0000	-.00
38.52	-.0017	120.05	107.46	.0000	-.09	176.40	-.0000	-.00
40.55	-.0015	35.22	109.49	.0000	-.07	178.43	.0000	-.00
42.58	-.0012	-24.00	111.52	.0000	-.05	180.46	.0000	-.00
44.61	-.0009	-61.66	113.55	.0000	-.04	182.49	.0000	-.00
46.64	-.0007	-82.02	115.57	.0000	-.03	184.51	.0000	-.00
48.66	-.0005	-89.25	117.60	.0000	-.02	186.54	.0000	-.00
50.69	-.0003	-87.15	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0002	-78.98	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0001	-67.41	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-54.51	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-41.75	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-30.13	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-20.19	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-12.17	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-6.08	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0758	-974.74	68.94	.0001	-1.48	137.88	.0000	.01
2.03	.0675	-814.29	70.97	.0000	1.32	139.91	.0000	.01
4.06	.0590	129.50	72.99	.0000	2.92	141.93	-.0000	.00
6.08	.0506	640.78	75.02	.0000	3.61	143.96	-.0000	.00
8.11	.0424	1104.03	77.05	.0000	3.67	145.99	-.0000	.00
10.14	.0347	1513.61	79.08	.0000	3.34	148.02	-.0000	.00
12.17	.0275	1824.45	81.10	.0000	2.81	150.04	-.0000	.00
14.19	.0212	2013.21	83.13	-.0000	2.20	152.07	-.0000	.00
16.22	.0156	2074.71	85.16	-.0000	1.61	154.10	-.0000	.00
18.25	.0109	2028.39	87.19	-.0000	1.08	156.13	-.0000	.00
20.28	.0070	1897.15	89.22	-.0000	.66	158.15	-.0000	.00
22.30	.0039	1705.24	91.24	-.0000	.34	160.18	-.0000	-.00
24.33	.0016	1476.12	93.27	-.0000	.11	162.21	-.0000	-.00
26.36	-.0001	1230.62	95.30	-.0000	-.03	164.24	-.0000	-.00
28.39	-.0012	986.11	97.33	-.0000	-.11	166.26	-.0000	-.00
30.41	-.0018	755.95	99.35	-.0000	-.14	168.29	-.0000	-.00
32.44	-.0021	549.51	101.38	-.0000	-.15	170.32	-.0000	-.00
34.47	-.0021	372.44	103.41	-.0000	-.13	172.35	-.0000	-.00
36.50	-.0020	227.20	105.44	.0000	-.11	174.37	-.0000	-.00
38.52	-.0018	113.50	107.46	.0000	-.09	176.40	-.0000	-.00
40.55	-.0015	29.13	109.49	.0000	-.07	178.43	.0000	-.00
42.58	-.0012	-29.36	111.52	.0000	-.05	180.46	.0000	-.00
44.61	-.0009	-66.14	113.55	.0000	-.04	182.49	.0000	-.00
46.64	-.0007	-85.59	115.57	.0000	-.03	184.51	.0000	-.00
48.66	-.0004	-91.95	117.60	.0000	-.02	186.54	.0000	-.00
50.69	-.0003	-89.07	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0001	-80.24	121.66	.0000	-.00	190.60	.0000	-.00
54.75	-.0001	-68.15	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-54.85	125.71	.0000	.00	194.65	.0000	-.00
58.80	.0000	-41.82	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-30.01	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-19.96	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-11.90	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-5.80	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.5690	-6644.91	68.94	.0004	-47.03	137.88	.0000	.04
2.03	.5158	-5957.86	70.97	.0003	-16.78	139.91	.0000	.03
4.06	.4610	-1296.74	72.99	.0003	3.41	141.93	.0000	.03
6.08	.4057	1313.70	75.02	.0002	15.42	143.96	.0000	.03
8.11	.3510	3450.19	77.05	.0001	21.21	145.99	-.0000	.02
10.14	.2978	6291.33	79.08	.0001	22.61	148.02	-.0000	.02
12.17	.2471	8481.52	81.10	.0000	21.17	150.04	-.0000	.01
14.19	.1999	10294.72	83.13	.0000	18.13	152.07	-.0000	.01
16.22	.1568	11641.61	85.16	.0000	14.43	154.10	-.0000	.01
18.25	.1185	12447.04	87.19	-.0000	10.71	156.13	-.0000	.00
20.28	.0852	12863.28	89.22	-.0000	7.36	158.15	-.0000	.00
22.30	.0573	12278.76	91.24	-.0000	4.59	160.18	-.0000	.00
24.33	.0351	11359.58	93.27	-.0000	2.45	162.21	-.0000	.00
26.36	.0179	10072.20	95.30	-.0000	.93	164.24	-.0000	-.00
28.39	.0054	8580.01	97.33	-.0000	-.05	166.26	-.0000	-.00
30.41	-.0032	7021.44	99.35	-.0000	-.60	168.29	-.0000	-.00
32.44	-.0067	5505.27	101.38	-.0000	-.83	170.32	-.0000	-.00
34.47	-.0116	4110.66	103.41	-.0000	-.83	172.35	-.0000	-.00
36.50	-.0127	2888.99	105.44	-.0000	-.74	174.37	-.0000	-.00
38.52	-.0124	1866.41	107.46	-.0000	-.64	176.40	-.0000	-.00
40.55	-.0113	1049.07	109.49	.0000	-.54	178.43	-.0000	-.00
42.58	-.0098	428.06	111.52	.0000	-.44	180.46	.0000	-.00
44.61	-.0080	-15.94	113.55	.0000	-.34	182.49	.0000	-.00
46.64	-.0062	-308.49	115.57	.0000	-.26	184.51	.0000	-.00
48.66	-.0046	-477.41	117.60	.0000	-.19	186.54	.0000	-.00
50.69	-.0032	-552.10	119.63	.0000	-.13	188.57	.0000	-.00
52.72	-.0021	-557.43	121.66	.0000	-.08	190.60	.0000	-.00
54.75	-.0012	-516.84	123.68	.0000	-.04	192.62	.0000	-.00
56.77	-.0005	-448.60	125.71	.0000	-.01	194.65	.0000	-.00
58.80	-.0001	-368.10	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0002	-285.97	129.77	.0000	.03	198.71	.0000	-.00
62.86	.0004	-209.53	131.79	.0000	.03	200.73	.0000	-.00
64.88	.0004	-143.15	133.82	.0000	.04	202.76	.0000	-.00
66.91	.0004	-88.87	135.85	.0000	.04			

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.5512	-7197.29	68.94	.0004	-45.25	137.88	.0000	.03
2.03	.4826	-4554.19	70.97	.0003	-16.68	139.91	.0000	.03
4.06	.4523	-1937.89	72.99	.0003	2.46	141.93	.0000	.03
6.08	.3811	627.81	75.02	.0002	13.92	143.96	.0000	.02
8.11	.3302	3120.82	77.05	.0001	19.52	145.99	-.0000	.02
10.14	.2406	5520.53	79.08	.0001	20.97	148.02	-.0000	.02
12.17	.2351	7676.32	81.10	.0000	19.73	150.04	-.0000	.01
14.19	.1868	9468.45	83.13	.0000	16.96	152.07	-.0000	.01
16.22	.1484	10909.83	85.16	.0000	13.55	154.10	-.0000	.01
18.25	.1125	11824.86	87.19	-.0000	10.09	156.13	-.0000	.00
20.28	.0809	11867.49	89.22	-.0000	6.96	158.15	-.0000	.00
22.30	.0540	11525.52	91.24	-.0000	4.36	160.18	-.0000	.00
24.33	.0336	10878.52	93.27	-.0000	2.55	162.21	-.0000	.00
26.36	.0174	9977.35	95.30	-.0000	.92	164.24	-.0000	-.00
28.39	.0055	8882.75	97.33	-.0000	-.01	166.26	-.0000	-.00
30.41	-.0027	8522.90	99.35	-.0000	-.54	168.29	-.0000	-.00
32.44	-.0079	5200.49	101.38	-.0000	-.76	170.32	-.0000	-.00
34.47	-.0107	3890.35	103.41	-.0000	-.76	172.35	-.0000	-.00
36.50	-.0118	2741.20	105.44	-.0000	-.68	174.37	-.0000	-.00
38.52	-.0116	1778.06	107.46	-.0000	-.59	176.40	-.0000	-.00
40.55	-.0106	1007.12	109.49	.0000	-.50	178.43	-.0000	-.00
42.58	-.0092	420.31	111.52	.0000	-.41	180.46	-.0000	-.00
44.61	-.0075	-.25	113.55	.0000	-.32	182.49	.0000	-.00
46.64	-.0059	-278.35	115.57	.0000	-.24	184.51	.0000	-.00
48.65	-.0044	-440.58	117.60	.0000	-.18	186.54	.0000	-.00
50.69	-.0031	-512.74	119.63	.0000	-.12	188.57	.0000	-.00
52.72	-.0020	-519.89	121.66	.0000	-.07	190.60	.0000	-.00
54.75	-.0011	-483.26	123.68	.0000	-.04	192.62	.0000	-.00
56.77	-.0005	-420.52	125.71	.0000	-.01	194.65	.0000	-.00
58.80	-.0001	-345.91	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0002	-269.35	129.77	.0000	.02	198.71	.0000	-.00
62.86	.0003	-197.88	131.79	.0000	.03	200.73	.0000	-.00
64.88	.0004	-135.65	133.82	.0000	.03	202.76	.0000	-.00
66.91	.0004	-84.86	135.85	.0000	.04			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.5401	-6099.11	68.94	.0004	-41.89	137.88	.0000	.04
2.03	.4890	-3532.89	70.97	.0003	-13.70	139.91	.0000	.03
4.06	.4364	-991.29	72.99	.0003	4.93	141.93	.0000	.03
6.08	.3834	1500.42	75.02	.0002	15.85	143.96	.0000	.03
8.11	.3310	3918.75	77.05	.0001	20.93	145.99	-.0000	.02
10.14	.2802	6241.77	79.08	.0001	21.93	148.02	-.0000	.02
12.17	.2320	8317.71	81.10	.0000	20.31	150.04	-.0000	.01
14.19	.1871	10026.47	83.13	.0000	17.26	152.07	-.0000	.01
16.22	.1465	11280.92	85.16	-.0000	13.64	154.10	-.0000	.01
18.25	.1100	12006.47	87.19	-.0000	10.05	156.13	-.0000	.00
20.28	.0786	12157.87	89.22	-.0000	6.85	158.15	-.0000	.00
22.30	.0524	11724.58	91.24	-.0000	4.21	160.18	-.0000	.00
24.33	.0316	10796.58	93.27	-.0000	2.20	162.21	-.0000	-.00
26.36	.0156	9533.02	95.30	-.0000	.78	164.24	-.0000	-.00
28.39	.0040	8088.34	97.33	-.0000	-.15	166.26	-.0000	-.00
30.41	-.0039	6591.81	99.35	-.0000	-.63	168.29	-.0000	-.00
32.44	-.0089	5144.69	101.38	-.0000	-.82	170.32	-.0000	-.00
34.47	-.0114	3820.07	103.41	-.0000	-.81	172.35	-.0000	-.00
36.50	-.0123	2664.82	105.44	-.0000	-.72	174.37	-.0000	-.00
38.52	-.0119	1701.99	107.46	-.0000	-.62	176.40	-.0000	-.00
40.55	-.0108	935.97	109.49	.0000	-.52	178.43	-.0000	-.00
42.58	-.0093	357.08	111.52	.0000	-.42	180.46	.0000	-.00
44.61	-.0076	-53.92	113.55	.0000	-.33	182.49	.0000	-.00
46.64	-.0059	-321.93	115.57	.0000	-.24	184.51	.0000	-.00
48.66	-.0043	-474.14	117.60	.0000	-.17	186.54	.0000	-.00
50.69	-.0030	-537.53	119.63	.0000	-.12	188.57	.0000	-.00
52.72	-.0019	-536.89	121.66	.0000	-.07	190.60	.0000	-.00
54.75	-.0011	-493.84	123.68	.0000	-.03	192.62	.0000	-.00
56.77	-.0004	-426.17	125.71	.0000	-.00	194.65	.0000	-.00
58.80	-.0000	-347.73	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0002	-268.59	129.77	.0000	.03	198.71	.0000	-.00
62.86	.0004	-195.50	131.79	.0000	.03	200.73	.0000	-.00
64.89	.0004	-132.43	133.82	.0000	.04	202.76	.0000	-.00
66.91	.0004	-81.17	135.85	.0000	.04			

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1142	-1341.41	66.94	.0001	-2.60	137.88	.0000	.01
2.03	.1018	-566.66	70.97	.0001	1.73	139.91	.0000	.01
4.06	.0891	190.06	72.99	.0000	4.22	141.93	-.0000	.01
6.08	.0765	911.46	75.02	.0000	5.34	143.96	-.0000	.01
8.11	.0643	1561.65	77.05	.0000	5.49	145.99	-.0000	.00
10.14	.0527	2105.82	79.08	.0000	5.03	148.02	-.0000	.00
12.17	.0420	2564.28	81.10	.0000	4.25	150.04	-.0000	.00
14.19	.0324	2972.67	83.13	-.0000	3.34	152.07	-.0000	.00
16.22	.0240	3006.11	85.16	-.0000	2.45	154.10	-.0000	.00
18.25	.0168	3033.47	87.19	-.0000	1.67	156.13	-.0000	.00
20.28	.0109	2849.82	89.22	-.0000	1.02	158.15	-.0000	.00
22.30	.0061	2571.22	91.24	-.0000	.53	160.18	-.0000	-.00
24.33	.0029	2233.46	93.27	-.0000	.19	162.21	-.0000	-.00
26.36	.0001	1868.34	95.30	-.0000	-.04	164.24	-.0000	-.00
28.39	-.0016	1502.46	97.33	-.0000	-.16	166.26	-.0000	-.00
30.41	-.0026	1156.41	99.35	-.0000	-.21	168.29	-.0000	-.00
32.44	-.0031	844.77	101.38	-.0000	-.22	170.32	-.0000	-.00
34.47	-.0032	576.48	103.41	-.0000	-.19	172.35	-.0000	-.00
36.50	-.0030	355.61	105.44	.0000	-.16	174.37	-.0000	-.00
38.52	-.0027	182.00	107.46	.0000	-.14	176.40	-.0000	-.00
40.55	-.0023	52.58	109.49	.0000	-.11	178.43	.0000	-.00
42.58	-.0018	-57.72	111.52	.0000	-.08	180.46	.0000	-.00
44.61	-.0014	-95.05	113.55	.0000	-.06	182.49	.0000	-.00
46.64	-.0010	-125.96	115.57	.0000	-.04	184.51	.0000	-.00
48.66	-.0007	-136.82	117.60	.0000	-.03	186.54	.0000	-.00
50.69	-.0004	-133.46	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0002	-120.85	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0001	-103.09	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-83.31	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-63.77	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-45.98	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-30.79	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-18.54	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-9.23	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1076	-1691.41	66.94	.0001	-3.01	137.88	.0000	.01
2.03	.0964	-901.94	70.97	.0001	1.26	139.91	.0000	.01
4.06	.0848	-130.41	72.99	.0000	3.76	141.93	-.0000	.01
6.08	.0731	606.21	75.02	.0000	4.92	143.96	-.0000	.01
8.11	.0617	1292.07	77.05	.0000	5.15	145.99	-.0000	.00
10.14	.0508	1912.35	79.08	.0000	4.77	148.02	-.0000	.00
12.17	.0407	2407.75	81.10	.0000	4.06	150.04	-.0000	.00
14.19	.0315	2735.33	83.13	-.0000	3.21	152.07	-.0000	.00
16.22	.0235	2873.15	85.16	-.0000	2.38	154.10	-.0000	.00
18.25	.0166	2848.49	87.19	-.0000	1.63	156.13	-.0000	.00
20.28	.0109	2694.01	89.22	-.0000	1.01	158.15	-.0000	.00
22.30	.0063	2444.70	91.24	-.0000	.54	160.18	-.0000	-.00
24.33	.0028	2134.77	93.27	-.0000	.20	162.21	-.0000	-.00
26.36	.0003	1794.94	95.30	-.0000	-.02	164.24	-.0000	-.00
28.39	-.0015	1451.13	97.33	-.0000	-.14	166.26	-.0000	-.00
30.41	-.0023	1123.58	99.35	-.0000	-.20	168.29	-.0000	-.00
32.44	-.0026	826.77	101.38	-.0000	-.20	170.32	-.0000	-.00
34.47	-.0030	569.81	103.41	-.0000	-.18	172.35	-.0000	-.00
36.50	-.0028	357.08	105.44	-.0000	-.16	174.37	-.0000	-.00
38.52	-.0025	188.88	107.46	.0000	-.13	176.40	-.0000	-.00
40.55	-.0022	62.62	109.49	.0000	-.10	178.43	.0000	-.00
42.58	-.0017	-26.28	111.52	.0000	-.08	180.46	.0000	-.00
44.61	-.0013	-85.52	113.55	.0000	-.06	182.49	.0000	-.00
46.64	-.0010	-115.22	115.57	.0000	-.04	184.51	.0000	-.00
48.66	-.0007	-127.41	117.60	.0000	-.03	186.54	.0000	-.00
50.69	-.0004	-125.64	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0002	-114.66	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0001	-98.47	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-80.06	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-61.66	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-44.79	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-30.27	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-18.49	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-9.48	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1076	-1691.41	68.94	.0001	-3.01	137.88	.0000	.01
2.03	.0964	-901.94	70.97	.0001	1.26	139.91	.0000	.01
4.06	.0848	-150.41	72.99	.0000	3.76	141.93	-.0000	.01
6.08	.0731	606.21	75.02	.0000	4.92	143.96	-.0000	.01
8.11	.0617	1292.07	77.05	.0000	5.15	145.99	-.0000	.00
10.14	.0508	1912.35	79.08	.0000	4.77	148.02	-.0000	.00
12.17	.0407	2407.75	81.10	.0000	4.06	150.04	-.0000	.00
14.19	.0315	2755.33	83.13	-.0000	3.21	152.07	-.0000	.00
16.22	.0235	2873.15	85.16	-.0000	2.38	154.10	-.0000	.00
18.25	.0166	2848.49	87.19	-.0000	1.63	156.13	-.0000	.00
20.28	.0109	2694.01	89.22	-.0000	1.01	158.15	-.0000	.00
22.30	.0063	2444.70	91.24	-.0000	.54	160.18	-.0000	-.00
24.33	.0028	2134.77	93.27	-.0000	.20	162.21	-.0000	-.00
26.36	.0005	1794.94	95.30	-.0000	-.02	164.24	-.0000	-.00
28.39	-.0013	1451.13	97.33	-.0000	-.14	166.26	-.0000	-.00
30.41	-.0023	1123.58	99.35	-.0000	-.20	168.29	-.0000	-.00
32.44	-.0028	826.77	101.38	-.0000	-.20	170.32	-.0000	-.00
34.47	-.0030	569.81	103.41	-.0000	-.18	172.35	-.0000	-.00
36.50	-.0028	357.08	105.44	-.0000	-.16	174.37	-.0000	-.00
38.52	-.0025	188.88	107.46	.0000	-.13	176.40	-.0000	-.00
40.55	-.0022	62.62	109.49	.0000	-.10	178.43	.0000	-.00
42.58	-.0017	-26.28	111.52	.0000	-.08	180.46	.0000	-.00
44.61	-.0013	-83.52	113.55	.0000	-.06	182.49	.0000	-.00
46.64	-.0010	-115.22	115.57	.0000	-.04	184.51	.0000	-.00
48.66	-.0007	-127.41	117.60	.0000	-.03	186.54	.0000	-.00
50.69	-.0004	-125.64	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0002	-114.68	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0001	-98.47	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-80.06	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-61.68	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-44.79	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-30.27	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-18.49	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-9.48	135.85	.0000	.01			

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1108	-1490.17	68.94	.0001	-2.80	137.88	.0000	.01
2.03	.0989	-712.01	70.97	.0001	1.49	139.91	.0000	.01
4.06	.0868	48.01	72.99	.0000	5.97	141.93	-.0000	.01
6.08	.0747	772.93	75.02	.0000	5.11	143.96	-.0000	.01
8.11	.0629	1446.94	77.05	.0000	5.30	145.99	-.0000	.00
10.14	.0516	2055.27	79.08	.0000	4.88	148.02	-.0000	.00
12.17	.0412	2596.45	81.10	.0000	4.14	150.04	-.0000	.00
14.19	.0319	2853.81	83.13	-.0000	3.27	152.07	-.0000	.00
16.22	.0236	2977.16	85.16	-.0000	2.41	154.10	-.0000	.00
18.25	.0166	2937.06	87.19	-.0000	1.64	156.13	-.0000	.00
20.28	.0108	2764.96	89.22	-.0000	1.01	158.15	-.0000	.00
22.30	.0062	2502.41	91.24	-.0000	.53	160.18	-.0000	-.00
24.33	.0027	2178.81	93.27	-.0000	.19	162.21	-.0000	-.00
26.36	.0002	1826.72	95.30	-.0000	-.03	164.24	-.0000	-.00
28.39	-.0015	1472.47	97.33	-.0000	-.15	166.26	-.0000	-.00
30.41	-.0025	1136.38	99.35	-.0000	-.20	168.29	-.0000	-.00
32.44	-.0030	832.90	101.38	-.0000	-.21	170.32	-.0000	-.00
34.47	-.0031	571.01	103.41	-.0000	-.19	172.35	-.0000	-.00
36.50	-.0029	354.86	105.44	.0000	-.16	174.37	-.0000	-.00
38.52	-.0026	184.52	107.46	.0000	-.13	176.40	-.0000	-.00
40.55	-.0022	57.13	109.49	.0000	-.10	178.43	.0000	-.00
42.58	-.0019	-32.12	111.52	.0000	-.08	180.46	.0000	-.00
44.61	-.0016	-89.16	113.55	.0000	-.06	182.49	.0000	-.00
46.64	-.0010	-120.51	115.57	.0000	-.04	184.51	.0000	-.00
48.66	-.0007	-131.76	117.60	.0000	-.03	186.54	.0000	-.00
50.69	-.0004	-129.16	119.63	.0000	-.01	188.57	.0000	-.00
52.72	-.0002	-117.40	121.66	.0000	-.01	190.60	.0000	-.00
54.75	-.0001	-100.45	123.68	.0000	.00	192.62	.0000	-.00
56.77	.0000	-81.41	125.71	.0000	.01	194.65	.0000	-.00
58.80	.0001	-62.51	127.74	.0000	.01	196.68	.0000	-.00
60.83	.0001	-45.23	129.77	.0000	.01	198.71	.0000	-.00
62.86	.0001	-30.42	131.79	.0000	.01	200.73	.0000	-.00
64.88	.0001	-18.45	133.82	.0000	.01	202.76	.0000	-.00
66.91	.0001	-9.32	135.85	.0000	.01			

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 1

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
101	.05284	.09592	-.00010	.00001	-.00000	.00000	
102	.05284	.09424	-.00067	.00001	-.00000	.00001	
103	.05284	.09256	-.00125	.00001	-.00000	.00001	
104	.05119	.09508	.00066	.00001	-.00000	.00001	
105	.05119	.09340	.00010	.00001	-.00000	.00001	
106	.04973	.09424	.00142	.00001	-.00000	.00002	
201	.05364	.09716	-.00010	.00001	-.00000	-.00000	
202	.05321	.09548	-.00069	.00001	-.00000	.00001	
203	.05319	.09380	-.00125	.00001	-.00000	.00001	
204	.05174	.09651	.00065	.00001	-.00000	.00001	
205	.05174	.09481	.00012	.00001	-.00000	.00001	
206	.05023	.09545	.00142	.00001	-.00000	.00002	
301	.05370	.09857	-.00010	.00001	-.00000	-.00000	
303	.05384	.09486	-.00123	.00000	-.00000	.00002	
306	.05086	.09672	.00142	.00001	-.00000	.00002	
401	.05439	.10100	-.00010	.00001	-.00001	-.00001	
403	.05473	.09657	-.00123	.00001	.00001	.00002	
406	.05250	.09879	.00142	-.00000	.00000	.00002	
501	.05498	.10151	-.00003	.00001	-.00001	-.00001	
502	.05476	.09896	-.00152	.00001	-.00000	.00002	
503	.05451	.09695	-.00095	.00001	.00001	.00002	
504	.05324	.09986	.00064	.00001	-.00000	.00001	
505	.05315	.09789	.00059	.00001	.00000	.00000	
506	.05200	.09867	.00110	-.00000	.00000	.00002	
507	.05475	.10098	.00018	.00001	-.00001	-.00001	
508	.05484	.09639	-.00098	.00001	.00001	.00002	
509	.05150	.09868	.00100	-.00000	.00000	.00002	
510	.05499	.10151	-.00005	.00001	-.00001	-.00001	
511	.05483	.09691	-.00156	.00001	.00001	.00002	
512	.05199	.09856	.00173	-.00000	.00000	.00002	
513	.05480	.10100	.00029	.00001	-.00002	-.00001	
514	.05486	.09638	.00057	.00000	.00004	.00002	
601	.05503	.10171	.00010	.00001	-.00001	-.00001	
603	.05421	.09777	-.00057	.00001	.00001	.00002	
606	.05156	.09846	.00039	-.00001	.00000	.00002	
611	.05626	.10175	.00007	.00001	-.00001	-.00001	
612	.05644	.12217	-.00012	.00038	-.00000	.00000	
615	.05659	.09779	-.00050	.00001	-.00001	.00006	
621	.05645	.10161	.00022	.00000	-.00001	-.00002	
622	.05585	.10802	-.00252	.00000	.00000	-.00000	
623	.05586	.09829	.00024	.00001	.00001	.00003	
624	.05641	.10412	.00022	.00001	-.00001	.00003	
625	.05440	.09948	.00420	-.00000	-.00001	.00001	
626	.05104	.09801	-.00056	-.00001	.00000	.00003	
631	.05655	.10152	.00031	-.00001	.00000	-.00002	
633	.05538	.09812	.00042	-.00000	.00001	.00003	
636	.05040	.09718	-.00117	-.00002	.00001	.00003	
661	.05564	.10158	.00002	.00001	.00001	-.00007	

STHAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	.05615	.17876	-.00012	.00036	.00000	-.00000	
603	.05657	.09817	-.00024	.00003	.00001	.00012	
701	.05591	.10001	.00036	-.00001	.00001	-.00003	
702	.05454	.09711	.00101	-.00001	-.00000	-.00000	
703	.05265	.09687	.00184	-.00001	.00001	.00004	
704	.05276	.09749	.00052	-.00000	.00000	.00001	
705	.05245	.09571	.00015	-.00000	-.00000	.00001	
706	.04939	.09577	-.00219	-.00002	.00000	.00003	
707	.05548	.09929	.00036	-.00001	.00001	-.00003	
708	.05326	.09598	.00245	-.00001	.00001	.00004	
709	.04862	.09586	-.00279	-.00002	.00000	.00003	
710	.05591	.09998	.00015	-.00002	.00001	-.00001	
711	.05193	.09642	-.00302	-.00002	.00001	.00002	
712	.04959	.09688	.00501	-.00002	.00001	.00002	
601	.04650	.08650	-.00051	-.00005	.00003	-.00005	
602	.04638	.08322	.00469	-.00004	.00001	.00001	
603	.04610	.07979	.00957	-.00007	.00004	.00003	
604	.04503	.08407	-.00416	-.00002	.00003	-.00000	
605	.04474	.08184	-.00095	-.00002	.00000	.00001	
606	.04510	.08206	-.00934	-.00006	.00002	.00004	
607	.04590	.08522	-.00039	-.00005	.00003	-.00005	
608	.04676	.07927	.01153	-.00007	.00004	.00003	
609	.04364	.08295	-.01118	-.00006	.00002	.00004	
610	.04648	.08630	-.00014	-.00006	.00004	-.00002	
611	.04435	.07878	-.00228	-.00007	.00003	.00002	
612	.04509	.08064	.00251	-.00006	.00002	.00002	
901	.02977	.05767	.00056	-.00008	.00004	-.00005	
902	.03042	.05460	.00943	-.00006	.00002	.00002	
903	.03105	.05016	.01767	-.00007	.00005	.00004	
904	.02922	.05550	-.00921	-.00005	.00004	.00001	
905	.02911	.05309	-.00015	-.00003	.00002	-.00001	
906	.03160	.05469	-.01820	-.00008	.00004	.00002	
907	.02931	.05708	.00061	-.00008	.00004	-.00005	
908	.03163	.04962	.01996	-.00007	.00005	.00004	
909	.03141	.05550	-.02055	-.00008	.00004	.00002	
910	.02990	.05701	-.00023	-.00008	.00004	-.00002	
911	.02858	.04875	.00042	-.00007	.00004	.00002	
912	.03179	.05190	-.00015	-.00008	.00004	.00002	
1001	.01254	.02291	.00096	-.00009	.00004	-.00003	
1002	.01504	.02648	.01069	-.00008	.00002	.00001	
1003	.01514	.02222	.02253	-.00007	.00004	.00002	
1004	.01428	.02643	-.01279	-.00006	.00006	.00000	
1005	.01422	.02592	.00176	-.00004	.00003	-.00000	
1006	.01157	.02492	-.02545	-.00008	.00006	.00002	
1007	.01212	.02 93	.00125	-.00009	.00004	-.00003	
1008	.01557	.02189	.02469	-.00007	.00004	.00002	
1009	.01137	.02517	-.02564	-.00008	.00006	.00001	
1010	-.02505	-.00057	.00021	.00000	-.00012	-.00001	UNLIQUE
1010	.01242	.02268	.00011	-.00010	.00005	-.00003	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
1011	.01157	-.01988	.00643	.00009	.00005	.00001	OBLIQUE
1011	.01210	.02056	.00308	-.00009	.00005	.00002	GLOBAL
1012	.01150	.02041	-.00658	-.00009	.00006	.00001	OBLIQUE
1012	.01150	.02162	-.00314	-.00009	.00006	.00002	GLOBAL

LOAD CONDITION NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	-.03902	-.06871	-.00004	-.00001	.00000	.00000	
102	-.03902	-.06705	.00044	-.00001	.00000	-.00001	
103	-.03902	-.06658	.00091	-.00001	.00000	-.00001	
104	-.03790	-.06818	-.00062	-.00001	.00000	-.00001	
105	-.03790	-.06711	-.00016	-.00001	.00000	-.00000	
106	-.03790	-.06705	-.00121	-.00001	.00000	-.00001	
201	-.03932	-.06969	-.00004	-.00001	.00000	.00000	
202	-.03930	-.06861	.00045	-.00001	.00000	-.00001	
203	-.03926	-.06756	.00091	-.00001	.00000	-.00001	
204	-.03837	-.06915	-.00062	-.00001	.00000	-.00001	
205	-.03837	-.06807	-.00017	-.00001	.00000	-.00000	
206	-.03741	-.06860	-.00121	-.00001	.00000	-.00001	
301	-.03972	-.07005	-.00004	-.00001	.00000	.00000	
303	-.03902	-.06842	.00091	-.00000	.00000	-.00001	
306	-.03792	-.06960	-.00121	-.00001	.00000	-.00001	
401	-.04031	-.07276	-.00004	-.00001	.00001	.00001	
403	-.04060	-.06906	.00091	-.00001	-.00000	-.00001	
406	-.03997	-.07152	-.00121	.00000	-.00000	-.00002	
501	-.04076	-.07303	-.00009	-.00001	.00001	.00001	
502	-.04061	-.07146	.00091	-.00001	.00000	-.00001	
503	-.04045	-.07008	.00071	-.00001	-.00000	-.00001	
504	-.03960	-.07208	-.00059	-.00001	.00000	-.00001	
505	-.03954	-.07075	-.00044	-.00001	-.00000	-.00000	
506	-.03874	-.07150	-.00100	.00000	-.00000	-.00002	
507	-.04054	-.07274	-.00024	-.00001	.00001	.00001	
508	-.04064	-.06975	.00072	-.00001	-.00000	-.00001	
509	-.03828	-.07151	-.00097	.00000	-.00000	-.00002	
510	-.04076	-.07303	-.00008	-.00001	.00001	.00001	
511	-.04059	-.07006	.00115	-.00001	-.00000	-.00001	
512	-.03977	-.07123	-.00144	.00000	-.00000	-.00002	
513	-.04062	-.07278	-.00031	-.00001	.00001	.00001	
514	-.04060	-.06973	-.00028	.00000	-.00003	-.00001	
601	-.04139	-.07357	-.00018	-.00001	.00001	.00001	
603	-.04025	-.07105	.00027	-.00001	-.00001	-.00001	
606	-.03958	-.07128	-.00051	.00000	-.00000	-.00002	
611	-.04117	-.07357	-.00005	-.00001	.00001	.00001	
612	-.04125	-.06827	.00109	-.00025	.00000	-.00001	
613	-.04155	-.07056	.00054	-.00000	.00000	-.00003	
621	-.04105	-.07350	-.00026	-.00000	.00001	.00001	
622	-.04156	-.07003	.00159	-.00000	-.00000	.00000	
623	-.03998	-.07105	-.00018	-.00000	-.00001	-.00002	
624	-.04046	-.07490	-.00090	-.00001	.00001	-.00002	
625	-.04059	-.07202	-.00276	-.00000	.00001	-.00000	
626	-.03915	-.07106	.00001	.00001	-.00000	-.00002	
631	-.04201	-.07326	-.00032	.00000	-.00000	.00002	
633	-.03967	-.07103	-.00067	.00000	-.00001	-.00002	
636	-.03769	-.07054	.00058	.00001	-.00000	-.00002	
701	-.04102	-.07350	-.00002	-.00001	-.00000	.00005	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 10/05/76

LOAD CONDITION NO. 2

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	-.04165	-.12090	.00189	-.00024	.00000	-.00000	
603	-.04155	-.07106	.00053	-.00002	-.00001	-.00007	
701	-.04156	-.07253	-.00036	.00001	-.00001	.00002	
702	-.04043	-.07039	-.00197	-.00002	.00000	-.00000	
703	-.03921	-.07052	-.00135	.00001	-.00001	-.00002	
704	-.03925	-.07102	-.00982	-.00001	.00001	-.00001	
705	-.03910	-.06945	-.00321	.00000	.00002	-.00001	
706	-.03704	-.06952	.00130	.00001	-.00000	-.00002	
707	-.04128	-.07200	-.00030	.00001	-.00001	.00002	
708	-.03956	-.06981	-.00171	.00001	-.00001	-.00002	
709	-.03955	-.06939	.00174	.00001	-.00000	-.00002	
710	-.04155	-.07251	-.00020	.00001	-.00001	.00001	
711	-.03967	-.06999	.00225	.00001	-.00001	-.00001	
712	-.03710	-.06869	-.00240	.00002	-.00000	-.00001	
801	-.03475	-.06292	.00022	.00004	-.00003	.00003	
802	-.03460	-.06040	-.00363	.00003	-.00001	-.00001	
803	-.03441	-.05820	-.00699	.00005	-.00003	-.00002	
804	-.03347	-.06104	.00274	.00002	-.00002	-.00001	
805	-.03342	-.05903	.00043	.00001	-.00000	.00001	
806	-.03305	-.06019	.00647	.00005	-.00001	-.00003	
807	-.03458	-.06223	.00029	.00004	-.00003	.00003	
808	-.03462	-.05795	-.00842	.00005	-.00003	-.00002	
809	-.03300	-.06041	.00786	.00005	-.00001	-.00003	
810	-.03473	-.06292	.00002	.00004	-.00003	.00002	
811	-.03312	-.05746	.00175	.00005	-.00003	-.00001	
812	-.03304	-.05873	-.00203	.00004	-.00001	-.00001	
901	-.02249	-.04256	-.00038	.00006	-.00003	.00003	
902	-.02295	-.04009	-.00695	.00005	-.00001	-.00001	
903	-.02338	-.03679	-.01297	.00005	-.00003	-.00002	
904	-.02209	-.04060	.00659	.00004	-.00003	-.00000	
905	-.02203	-.03948	-.00007	.00002	-.00001	.00001	
906	-.02403	-.04020	.01293	.00006	-.00003	-.00001	
907	-.02220	-.04195	-.00035	.00006	-.00003	.00003	
908	-.02393	-.03843	-.01465	.00005	-.00003	-.00002	
909	-.02317	-.04049	.01461	.00006	-.00003	-.00001	
910	-.02257	-.04232	.00010	.00006	-.00003	.00002	
911	-.02136	-.03575	-.00021	.00005	-.00003	-.00001	
912	-.02403	-.03804	-.00010	.00005	-.00003	-.00001	
1001	-.00950	-.01696	-.00059	.00007	-.00003	.00002	
1002	-.01151	-.01958	-.00797	.00005	-.00002	-.00000	
1003	-.01151	-.01648	-.01656	.00005	-.00003	-.00002	
1004	-.01041	-.01992	.00921	.00004	-.00004	-.00000	
1005	-.01088	-.01919	-.00153	.00003	-.00002	.00000	
1006	-.00885	-.01843	.01675	.00006	-.00004	-.00001	
1007	-.00934	-.01676	-.00077	.00007	-.00003	.00002	
1008	-.01182	-.01626	-.01818	.00005	-.00003	-.00001	
1009	-.00872	-.01862	.01851	.00006	-.00004	-.00001	
1010	.01929	.00017	-.00013	-.00000	.00009	.00000	OBLIQUE
1010	-.00949	-.01660	-.00010	.00008	-.00004	.00002	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 10/05/76

LOAD CONDITION NO. 2

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	-.00844	.01500	-.00471	-.00007	-.00004	-.00001	OBLIQUE
1011	-.00920	-.01510	-.00218	.00006	-.00004	-.00001	GLOBAL
1012	-.00880	-.01519	.00467	.00007	-.00004	-.00001	OBLIQUE
1012	-.00880	-.01575	.00211	.00007	-.00004	-.00001	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.15560	.28745	-.00041	.00002	-.00001	.00001	
102	.15560	.28179	-.00195	.00002	-.00001	.00004	
103	.15560	.27609	-.00343	.00002	-.00001	.00004	
104	.15068	.28464	.00141	.00002	-.00001	.00003	
105	.15067	.27894	.00042	.00002	-.00001	.00003	
106	.14574	.28178	.00424	.00002	-.00001	.00005	
201	.15721	.29115	-.00041	.00002	-.00001	.00001	
202	.15713	.28540	-.00197	.00002	-.00001	.00004	
203	.15706	.27976	-.00343	.00002	-.00001	.00004	
204	.15217	.28827	.00188	.00002	-.00001	.00003	
205	.15216	.28251	.00046	.00002	-.00001	.00003	
206	.14726	.28536	.00424	.00002	-.00001	.00005	
301	.15548	.29469	-.00041	.00002	-.00000	.00000	
303	.15466	.28280	-.00344	.00001	-.00001	.00005	
306	.14807	.28902	.00424	.00002	-.00002	.00006	
401	.16028	.30126	-.00039	.00001	-.00003	-.00002	
403	.16106	.28572	-.00343	.00003	.00002	.00006	
406	.15542	.29533	.00425	-.00001	.00001	.00007	
501	.16160	.30170	-.00017	.00001	-.00003	-.00003	
502	.16108	.29586	-.00369	.00003	-.00001	.00005	
503	.16027	.28706	-.00257	.00003	.00002	.00006	
504	.15611	.29603	.00170	.00002	-.00000	.00004	
505	.15564	.29022	.00179	.00003	.00000	.00001	
506	.15241	.29266	.00326	-.00002	.00001	.00008	
507	.16127	.30049	.00047	.00001	-.00003	-.00002	
508	.16126	.28539	-.00249	.00003	.00002	.00006	
509	.15918	.29272	.00260	-.00002	.00001	.00007	
510	.16179	.30106	-.00024	.00001	-.00003	-.00002	
511	.16003	.28692	-.00458	.00003	.00002	.00006	
512	.15258	.29253	.00510	-.00002	.00001	.00007	
513	.16170	.30153	.00065	.00005	-.00006	-.00000	
514	.16115	.28574	.00155	.00002	.00011	.00004	
601	.16400	.30222	.00025	.00001	-.00003	-.00003	
603	.15918	.28897	-.00082	.00003	.00003	.00007	
606	.15094	.29106	.00111	-.00002	.00001	.00008	
611	.16755	.30257	.00257	-.00001	-.00000	-.00005	
612	.16413	.42489	.01193	.00056	-.00000	-.00001	
615	.16804	.28911	.00009	.00002	-.00003	.00028	
621	.16538	.30160	.00064	-.00001	-.00001	-.00004	
622	.16415	.32003	-.00776	-.00000	.00001	.00001	
625	.15788	.28977	.00105	.00001	.00003	.00008	
626	.17531	.30946	-.00010	.00002	-.00001	.00007	
625	.15975	.29742	.01522	-.00001	-.00002	.00002	
626	.14915	.28987	-.00118	-.00004	.00001	.00008	
651	.16509	.29917	.00094	-.00004	.00001	-.00006	
653	.15620	.28852	.00315	-.00002	.00004	.00009	
656	.14698	.28691	-.00366	-.00005	.00002	.00008	
661	.16376	.29931	.00213	-.00002	.00005	-.00015	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	.10504	.50286	.01191	.00046	.00002	-.00001	
603	.10016	.28866	.00061	.00006	.00005	.00034	
701	.10252	.29429	.00114	-.00005	.00003	-.00008	
702	.15939	.28585	.00783	.00001	-.00001	-.00000	
703	.15387	.28417	.00601	-.00005	.00004	.00011	
704	.15556	.28854	.01245	-.00001	.00002	.00004	
705	.15265	.28155	.00792	-.00002	-.00004	.00005	
706	.14431	.28211	-.00677	-.00007	.00002	.00008	
707	.10143	.29242	.00106	-.00005	.00003	-.00008	
708	.15570	.28152	.00786	-.00005	.00004	.00011	
709	.14203	.28242	-.00878	-.00007	.00002	.00008	
710	.10257	.29420	.00029	-.00006	.00003	-.00004	
711	.15174	.28206	-.00834	-.00007	.00004	.00006	
712	.14434	.27949	.00858	-.00007	.00002	.00007	
801	.13550	.25527	-.00079	-.00015	.00009	-.00015	
802	.13502	.24473	.00800	-.00013	.00003	.00003	
803	.13428	.23496	.02817	-.00019	.00010	.00010	
804	.13040	.24710	-.01297	-.00005	.00006	.00001	
805	.13002	.24072	-.00498	-.00005	.00001	.00002	
806	.13051	.24291	-.02765	-.00018	.00005	.00012	
807	.13502	.25014	-.00094	-.00015	.00009	-.00015	
808	.13629	.25323	.03374	-.00019	.00011	.00010	
809	.12714	.24373	-.03291	-.00018	.00005	.00012	
810	.13535	.25526	-.00042	-.00016	.00011	-.00005	
811	.12920	.25203	-.00628	-.00020	.00010	.00007	
812	.13049	.23698	.00706	-.00018	.00005	.00006	
901	.08700	.17203	.00171	-.00023	.00012	-.00014	
902	.08952	.16427	.02659	-.00018	.00005	.00004	
903	.09111	.15043	.05135	-.00021	.00013	.00012	
904	.08869	.16580	-.02664	-.00014	.00012	.00001	
905	.08580	.16107	-.00105	-.00010	.00005	.00000	
906	.09338	.16559	-.05302	-.00022	.00011	.00006	
907	.08611	.16941	.00199	-.00023	.00012	-.00014	
908	.09360	.14845	.05797	-.00021	.00013	.00012	
909	.09218	.16478	-.05974	-.00022	.00011	.00006	
910	.08805	.17165	-.00069	-.00023	.00012	-.00006	
911	.08594	.14655	.00122	-.00020	.00012	.00006	
912	.09356	.15408	-.00030	-.00022	.00012	.00006	
1001	.03708	.06970	.00292	-.00027	.00013	-.00012	
1002	.04510	.08178	.05175	-.00027	.00008	.00001	
1003	.04527	.06795	.06555	-.00020	.00012	.00008	
1004	.04561	.06250	-.03700	-.00021	.00021	.00000	
1005	.04265	.07918	.00462	-.00015	.00008	.00001	
1006	.03496	.07596	-.06855	-.00024	.00016	.00006	
1007	.03600	.06808	.00364	-.00027	.00013	-.00011	
1008	.04009	.06803	.07165	-.00020	.00012	.00008	
1009	.03418	.07670	-.07549	-.00024	.00017	.00005	
1010	-.07834	-.00227	.00070	.00002	-.00036	-.00001	OBLIQUE
1010	.03716	.06900	.00051	-.00051	.00016	-.00007	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 10/05/76

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	.03589	-.06045	.01909	.00027	.00016	.00003	OBLIQUE
1011	.03638	.06248	.00889	-.00027	.00016	.00005	GLOBAL
1012	.03477	.06272	-.01954	-.00028	.00017	.00003	OBLIQUE
1012	.03477	.06508	-.00895	-.00028	.00016	.00006	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 10/05/76

LOAD CONDITION NO. 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	-.06914	-.16326	-.00097	-.00002	.00001	.00000	
102	-.06914	-.16152	.00038	-.00002	.00001	-.00001	
103	-.06914	-.15957	.00169	-.00002	.00001	-.00002	
104	-.06747	-.16229	-.00267	-.00002	.00001	-.00001	
105	-.06746	-.16054	-.00135	-.00002	.00001	-.00001	
106	-.06578	-.16151	-.00438	-.00002	.00001	-.00002	
201	-.09053	-.16008	-.00097	-.00002	.00001	.00000	
202	-.09049	-.16411	.00040	-.00002	.00001	-.00001	
203	-.09045	-.16219	.00169	-.00002	.00001	-.00002	
204	-.06879	-.16509	-.00265	-.00002	.00001	-.00001	
205	-.06879	-.16312	-.00136	-.00002	.00001	-.00001	
206	-.06704	-.16409	-.00438	-.00002	.00001	-.00002	
301	-.09173	-.16864	-.00097	-.00002	.00000	.00001	
303	-.09195	-.16475	.00169	-.00001	.00001	-.00002	
306	-.06846	-.16693	-.00438	-.00002	.00001	-.00002	
401	-.09359	-.17456	-.00098	-.00001	.00002	.00002	
403	-.09417	-.16853	.00169	-.00002	-.00001	-.00003	
406	-.09119	-.17160	-.00438	-.00000	-.00000	-.00003	
501	-.09456	-.17498	-.00110	-.00001	.00002	.00002	
502	-.09420	-.17210	.00144	-.00002	.00001	-.00002	
503	-.09381	-.16947	.00121	-.00002	-.00001	-.00003	
504	-.09255	-.17319	-.00250	-.00002	.00001	-.00002	
505	-.09220	-.17075	-.00185	-.00002	-.00000	-.00000	
506	-.09087	-.17178	-.00393	-.00000	-.00000	-.00003	
507	-.09411	-.17452	-.00142	-.00001	.00002	.00002	
508	-.09436	-.16958	.00125	-.00002	-.00001	-.00003	
509	-.08996	-.17176	-.00398	-.00000	-.00000	-.00003	
510	-.09457	-.17499	-.00102	-.00001	.00002	.00002	
511	-.09370	-.16943	.00229	-.00002	-.00001	-.00003	
512	-.09085	-.17160	-.00493	-.00000	-.00000	-.00003	
513	-.09416	-.17429	-.00170	-.00002	.00005	.00002	
514	-.09441	-.16888	-.00119	.00001	-.00007	-.00003	
601	-.09595	-.17573	-.00135	-.00001	.00002	.00003	
603	-.09328	-.17073	.00014	-.00002	-.00001	-.00004	
606	-.09040	-.17203	-.00287	.00000	-.00000	-.00003	
611	-.09559	-.17575	-.00214	.00000	-.00000	.00001	
612	-.09569	-.19189	-.02515	-.00040	.00000	-.00000	
613	-.09578	-.17074	-.00104	.00001	.00002	-.00005	
621	-.09707	-.17609	-.00159	-.00001	.00001	.00003	
622	-.09387	-.16427	-.00037	-.00001	-.00001	.00000	
623	-.09270	-.17162	-.00095	-.00001	-.00001	-.00004	
624	-.10428	-.17649	-.00730	-.00001	.00002	-.00003	
625	-.09303	-.17571	-.00852	-.00001	.00002	-.00001	
626	-.06976	-.17192	-.00175	.00001	-.00001	-.00003	
651	-.09739	-.17581	-.00177	.00000	.00000	.00004	
653	-.09213	-.17176	-.00210	-.00000	-.00001	-.00005	
656	-.06868	-.17107	-.00050	.00002	-.00001	-.00003	
661	-.09549	-.17587	-.00217	.00000	-.00005	.00008	

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	-.09548	-.25270	-.02520	-.00039	.00001	.00001	
603	-.09645	-.17181	-.00101	-.00003	.00002	-.00013	
701	-.09648	-.17465	-.00184	.00000	-.00001	.00005	
702	-.09408	-.17084	-.03806	-.00012	.00001	.00000	
703	-.09180	-.17069	-.00360	.00001	-.00001	-.00006	
704	-.09169	-.17194	-.04692	.00004	-.00007	-.00003	
705	-.09151	-.16898	-.03832	.00005	.00011	-.00001	
706	-.08772	-.16907	.00111	.00003	-.00001	-.00003	
707	-.09576	-.17353	-.00155	.00000	-.00001	.00005	
708	-.09251	-.16921	-.00407	.00001	-.00001	-.00006	
709	-.08675	-.16922	.00205	.00003	-.00001	-.00003	
710	-.09655	-.17478	-.00107	.00002	-.00001	.00003	
711	-.09051	-.16989	.00511	.00003	-.00002	-.00003	
712	-.08774	-.16763	-.00732	.00003	-.00001	-.00003	
801	-.08279	-.15563	-.00092	.00008	-.00005	.00010	
802	-.08243	-.15053	-.01981	-.00002	-.00001	-.00002	
803	-.08187	-.14548	-.01657	.00010	-.00006	-.00007	
804	-.08056	-.15163	-.02170	.00005	-.00007	-.00001	
805	-.08014	-.14867	-.02429	.00004	.00003	-.00000	
806	-.08182	-.14951	-.01307	.00010	-.00002	-.00006	
807	-.08162	-.15349	-.00069	.00008	-.00005	.00010	
808	-.08310	-.14425	-.01947	.00010	-.00006	-.00007	
809	-.07998	-.15000	.01621	.00010	-.00002	-.00006	
810	-.08287	-.15556	-.00045	.00009	-.00006	.00004	
811	-.07876	-.14368	.00449	.00011	-.00006	-.00004	
812	-.08180	-.14611	-.00675	.00010	-.00003	-.00003	
901	-.05628	-.10912	-.00252	.00013	-.00007	.00010	
902	-.05691	-.10439	-.01655	.00010	-.00003	-.00002	
903	-.05729	-.09723	-.03067	.00012	-.00008	-.00008	
904	-.05569	-.10511	.01562	.00008	-.00007	-.00000	
905	-.05531	-.10275	-.00156	.00005	-.00003	-.00000	
906	-.05645	-.10373	.02458	.00013	-.00007	-.00003	
907	-.05509	-.10710	-.00266	.00013	-.00007	.00010	
908	-.05699	-.09570	-.03455	.00012	-.00008	-.00008	
909	-.05478	-.10444	.03254	.00013	-.00007	-.00003	
910	-.05663	-.10845	-.00026	.00013	-.00007	.00004	
911	-.05268	-.09472	.00054	.00012	-.00007	-.00003	
912	-.05645	-.09866	-.00227	.00013	-.00007	-.00003	
1001	-.02466	-.04598	-.00521	.00017	-.00009	.00009	
1002	-.03000	-.05516	-.02025	.00017	-.00004	-.00000	
1003	-.03001	-.04597	-.03939	.00013	-.00008	-.00006	
1004	-.03000	-.05503	.02017	.00014	-.00015	-.00000	
1005	-.02879	-.05326	-.00450	.00010	-.00004	-.00001	
1006	-.02368	-.05050	.03797	.00015	-.00010	-.00004	
1007	-.02578	-.04458	-.00558	.00018	-.00009	.00008	
1008	-.03108	-.04482	-.04348	.00013	-.00008	-.00006	
1009	-.02554	-.05092	.04247	.00015	-.00011	-.00003	
1010	.05177	.00111	-.00088	-.00001	.00023	.00001	OBLIQUE
1010	-.02463	-.04544	-.00088	.00020	-.00011	.00005	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 4

U.S. NAVY - ACMN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	-.02459	.04116	-.01135	-.00018	-.00011	-.00001	OBLIQUE
1011	-.02446	-.04254	-.00443	.00018	-.00010	-.00003	GLOBAL
1012	-.02373	-.04207	.01060	.00019	-.00011	-.00001	OBLIQUE
1012	-.02373	-.04403	.00340	.00019	-.00011	-.00003	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 5

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLN 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.37650	.69260	-.00209	.00005	-.00002	.00002	
102	.37650	.67771	-.00579	.00005	-.00002	.00009	
103	.37650	.66277	-.00925	.00005	-.00002	.00011	
104	.36571	.66515	.00359	.00005	-.00002	.00009	
105	.36569	.67023	.00003	.00005	-.00002	.00007	
106	.35079	.67767	.00925	.00005	-.00002	.00014	
201	.36041	.70150	-.00209	.00005	-.00002	.00002	
202	.36018	.68647	-.00575	.00005	-.00002	.00009	
203	.37995	.67173	-.00925	.00005	-.00002	.00011	
204	.36724	.69395	.00347	.00005	-.00002	.00009	
205	.36722	.67895	.00010	.00005	-.00002	.00007	
206	.35407	.66639	.00925	.00005	-.00002	.00015	
301	.36536	.70984	-.00211	.00005	-.00001	.00000	
303	.36452	.67841	-.00927	.00001	-.00004	.00012	
305	.35858	.69475	.00926	.00004	-.00004	.00016	
401	.36669	.71863	-.00202	-.00002	-.00004	-.00006	
403	.36874	.67355	-.00927	.00002	.00007	.00015	
405	.36799	.69497	.00933	-.00007	.00003	.00021	
501	.36892	.71710	-.00155	-.00002	-.00005	-.00006	
502	.36772	.69551	-.00640	.00005	-.00003	.00013	
503	.36569	.67332	-.00684	.00002	.00007	.00015	
504	.37472	.70334	.00893	.00005	.00003	.00009	
505	.37281	.68429	.00503	.00008	-.00004	.00007	
506	.36442	.69129	.00661	-.00007	.00003	.00021	
507	.36762	.71506	-.00009	-.00002	-.00005	-.00006	
508	.36850	.68937	-.00527	.00002	.00007	.00015	
509	.35826	.69163	.00457	-.00007	.00003	.00021	
510	.36868	.71698	-.00164	-.00003	-.00004	-.00006	
511	.36552	.67300	-.01109	.00002	.00007	.00014	
512	.36434	.69049	.01100	-.00008	.00004	.00020	
513	.36945	.71801	.00085	.00008	-.00013	.00005	
514	.36804	.67009	.00363	-.00001	.00026	.00010	
601	.39190	.71467	-.00059	-.00003	-.00004	-.00007	
603	.38204	.67375	-.00230	.00002	.00008	.00017	
605	.35927	.68613	.00108	-.00009	.00004	.00021	
611	.39922	.71517	.00571	-.00004	-.00004	-.00010	
612	.40108	.96788	-.01914	.00114	.00001	.00003	
613	.40277	.67404	.00131	.00001	.00000	.00060	
621	.39509	.71008	.00051	-.00008	-.00000	-.00010	
622	.39384	.74605	-.02027	-.00006	.00004	.00006	
623	.37782	.67225	.00244	-.00002	.00009	.00019	
624	.42345	.75020	-.00500	.00002	.00003	.00015	
625	.37518	.68530	.01926	-.00004	-.00005	.00007	
626	.35531	.67916	-.00474	-.00012	.00005	.00021	
651	.39082	.70134	.00105	-.00013	.00005	-.00013	
653	.37286	.66679	.00780	-.00008	.00010	.00022	
656	.34655	.66981	-.01095	-.00016	.00006	.00022	
661	.38908	.70186	.00446	-.00006	.00009	-.00029	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	.39173	1.12496	-.01918	.00091	.00006	.00003	
603	.39404	.66710	.00288	.00011	.00016	.00072	
701	.38362	.68659	.00166	-.00016	.00009	-.00018	
702	.37529	.66416	-.00584	-.00008	-.00002	.00002	
703	.38612	.65449	.01460	-.00014	.00011	.00025	
704	.38125	.67211	-.00355	-.00001	.00001	.00009	
705	.35914	.65256	-.01147	-.00002	-.00002	.00013	
706	.33854	.65637	-.01864	-.00018	.00005	.00021	
707	.38151	.68273	.00160	-.00016	.00009	-.00018	
708	.37040	.64859	.01974	-.00014	.00011	.00025	
709	.33234	.65723	-.02404	-.00018	.00005	.00022	
710	.38573	.68659	-.00010	-.00018	.00009	-.00008	
711	.38119	.65148	-.01879	-.00017	.00011	.00015	
712	.33858	.65019	.01770	-.00020	.00006	.00018	
801	.32087	.58614	-.00292	-.00035	.00021	-.00032	
802	.32035	.56490	.00798	-.00030	.00007	.00009	
803	.31896	.54090	.06488	-.00042	.00024	.00021	
804	.30826	.57219	-.03782	-.00012	.00012	.00003	
805	.30638	.55448	-.02456	-.00013	.00004	.00006	
806	.30242	.56135	-.06638	-.00040	.00011	.00030	
807	.31714	.57959	-.00303	-.00035	.00021	-.00032	
808	.32321	.53746	.07738	-.00042	.00024	.00021	
809	.29389	.56322	-.07829	-.00040	.00011	.00030	
810	.32059	.58621	-.00111	-.00038	.00025	-.00012	
811	.30731	.53417	-.01406	-.00044	.00023	.00016	
812	.30237	.54764	.01387	-.00041	.00012	.00017	
901	.21277	.40513	.00213	-.00050	.00027	-.00031	
902	.21704	.38499	.03758	-.00041	.00012	.00009	
903	.22055	.35203	.11664	-.00047	.00031	.00025	
904	.20842	.39017	-.00649	-.00029	.00024	.00000	
905	.20953	.37648	-.02010	-.00023	.00012	.00002	
906	.21908	.36363	-.12241	-.00050	.00025	.00018	
907	.20949	.39949	.00260	-.00050	.00027	-.00031	
908	.22008	.34783	.13168	-.00047	.00031	.00026	
909	.21569	.38627	-.13724	-.00050	.00025	.00018	
910	.21347	.40486	-.00176	-.00050	.00026	-.00013	
911	.20423	.34275	.00221	-.00044	.00027	.00013	
912	.21985	.38370	-.00170	-.00048	.00025	.00016	
1001	.09746	.17617	.00450	-.00060	.00029	-.00025	
1002	.11529	.20054	.07118	-.00062	.00019	.00002	
1003	.11508	.16768	.14863	-.00044	.00028	.00019	
1004	.11075	.20328	-.08539	-.00051	.00047	.00001	
1005	.10789	.19298	.00942	-.00053	.00023	.00002	
1006	.08854	.16739	-.15666	-.00053	.00036	.00015	
1007	.09526	.17290	.00545	-.00060	.00029	-.00022	
1008	.11454	.16465	.16294	-.00044	.00028	.00017	
1009	.08580	.18906	-.17260	-.00053	.00036	.00014	
1010	-.20008	-.00305	.00090	.00003	-.00085	-.00003	OBLIQUE
1010	.09739	.17481	.00058	-.00073	.00039	-.00016	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

DATE 10/05/76

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	.08703	-.15442	.04505	.00064	.00036	.00007	OBLIQUE
1011	.09475	.15527	.01904	-.00062	.00038	.00013	GLOBAL
1012	.08809	.15496	-.04662	-.00066	.00040	.00009	OBLIQUE
1012	.08809	.16249	-.02015	-.00066	.00038	.00015	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
101	-.13025	-.23069	-.00179	-.00002	.00001	.00001	
102	-.13026	-.22832	.00046	-.00002	.00001	-.00002	
103	-.13026	-.22592	.00266	-.00002	.00001	-.00003	
104	-.12621	-.22950	-.00434	-.00002	.00001	-.00001	
105	-.12620	-.22712	-.00212	-.00002	.00001	-.00001	
106	-.12614	-.22630	-.00669	-.00002	.00001	-.00003	
201	-.13257	-.23506	-.00179	-.00002	.00001	.00001	
202	-.13252	-.23264	.00049	-.00002	.00001	-.00002	
203	-.13246	-.23028	.00266	-.00002	.00001	-.00003	
204	-.13044	-.23384	-.00431	-.00002	.00001	-.00002	
205	-.13043	-.23142	-.00213	-.00002	.00001	-.00001	
206	-.12630	-.23202	-.00669	-.00002	.00001	-.00003	
301	-.13463	-.23934	-.00178	-.00002	.00001	.00001	
303	-.13492	-.23430	.00267	-.00002	.00002	-.00003	
306	-.13062	-.23701	-.00669	-.00003	.00001	-.00003	
401	-.13795	-.24784	-.00180	-.00002	.00003	.00004	
403	-.13877	-.24037	.00266	-.00003	-.00001	-.00004	
406	-.13469	-.24425	-.00690	-.00001	.00000	-.00005	
501	-.13937	-.24886	-.00197	-.00002	.00003	.00004	
502	-.13866	-.24513	.00197	-.00003	.00001	-.00003	
503	-.13830	-.24164	.00197	-.00003	-.00002	-.00004	
504	-.13643	-.24658	-.00409	-.00003	.00001	-.00002	
505	-.13621	-.24350	-.00260	-.00003	.00000	-.00000	
506	-.13453	-.24472	-.00631	-.00001	.00000	-.00005	
507	-.13806	-.24779	-.00240	-.00002	.00003	.00004	
508	-.13901	-.24049	.00200	-.00003	-.00002	-.00004	
509	-.13291	-.24468	-.00651	-.00001	.00000	-.00005	
510	-.13938	-.24868	-.00186	-.00002	.00003	.00003	
511	-.13814	-.24159	.00353	-.00003	-.00001	-.00004	
512	-.13431	-.24448	-.00770	-.00001	-.00000	-.00005	
513	-.13867	-.24766	-.00274	-.00002	.00004	.00004	
514	-.13908	-.24035	-.00151	.00002	-.00010	-.00004	
601	-.14138	-.25008	-.00229	-.00002	.00003	.00004	
603	-.13757	-.24529	.00041	-.00003	-.00002	-.00005	
606	-.13580	-.24559	-.00486	-.00000	-.00000	-.00005	
611	-.14007	-.25011	-.00322	-.00000	-.00002	.00003	
612	-.14018	-.27284	-.04627	-.00002	.00000	-.00001	
613	-.14030	-.24551	-.00150	.00002	.00004	-.00006	
621	-.14303	-.25064	-.00260	-.00001	.00002	.00006	
622	-.13987	-.25968	-.00072	-.00002	-.00002	.00000	
623	-.13663	-.24448	-.00117	-.00002	-.00002	-.00005	
624	-.13533	-.25347	-.00498	-.00002	.00004	-.00004	
625	-.13922	-.25057	-.01115	-.00002	.00003	-.00001	
626	-.13507	-.24557	-.00336	.00001	-.00000	-.00005	
651	-.14564	-.25087	-.00262	-.00000	.00000	.00007	
653	-.13626	-.24484	-.00280	-.00000	-.00001	-.00006	
656	-.13203	-.24473	-.00168	.00002	-.00001	-.00005	
661	-.14004	-.25095	-.00327	-.00000	-.00007	.00014	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6
DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	-.14082	-.36805	-.04635	-.00062	.00001	-.00000	
603	-.14157	-.24892	-.00140	-.00004	.00005	-.00018	
701	-.14204	-.25017	-.00288	-.00000	-.00001	.00008	
702	-.13941	-.24463	-.05992	-.00019	.00001	-.00000	
703	-.13597	-.24361	-.00486	.00001	-.00001	-.00008	
704	-.13641	-.24625	-.07018	.00007	-.00013	-.00003	
705	-.13561	-.24190	-.06815	.00007	.00014	-.00002	
706	-.13006	-.24229	.00052	.00004	-.00001	-.00005	
707	-.14145	-.24800	-.00244	-.00000	-.00001	.00008	
708	-.13715	-.24187	-.00526	.00001	-.00001	-.00007	
709	-.12903	-.24248	.00171	.00004	-.00001	-.00006	
710	-.14272	-.25007	-.00192	.00002	-.00002	.00004	
711	-.13411	-.24267	.00775	.00004	-.00002	-.00004	
712	-.13069	-.24029	-.01127	.00004	-.00001	-.00004	
801	-.12443	-.22547	-.00144	.00010	-.00007	.00016	
802	-.12407	-.21815	-.04457	-.00003	-.00002	-.00003	
803	-.12540	-.21017	-.02332	.00015	-.00007	-.00008	
804	-.12135	-.21972	-.04211	.00007	-.00011	-.00001	
805	-.12006	-.21551	-.03471	.00008	.00010	-.00001	
806	-.12542	-.21661	.01720	.00014	-.00002	-.00011	
807	-.12248	-.22192	-.00101	.00010	-.00007	.00015	
808	-.12467	-.20881	-.02717	.00013	-.00007	-.00008	
809	-.12022	-.21727	.02149	.00014	-.00002	-.00011	
810	-.12449	-.22559	-.00103	.00012	-.00008	.00005	
811	-.11867	-.20756	.00728	.00015	-.00008	-.00005	
812	-.12334	-.21160	-.01073	.00013	-.00004	-.00004	
901	-.06705	-.16076	-.00340	.00018	-.00010	.00017	
902	-.06777	-.15392	-.02340	.00014	-.00008	-.00003	
903	-.06814	-.14354	-.04384	.00017	-.00011	-.00012	
904	-.06845	-.15467	.01574	.00010	-.00010	-.00001	
905	-.06540	-.15128	-.00341	.00007	-.00004	.00001	
906	-.06514	-.15240	.03955	.00019	-.00010	-.00008	
907	-.06498	-.15720	-.00359	.00018	-.00010	.00017	
908	-.06055	-.14119	-.04955	.00017	-.00011	-.00012	
909	-.06124	-.15342	.04501	.00019	-.00010	-.00008	
910	-.06746	-.16056	-.00073	.00019	-.00010	.00006	
911	-.06170	-.15467	.00155	.00017	-.00010	-.00004	
912	-.06515	-.14522	-.00442	.00018	-.00010	-.00004	
1001	-.03948	-.06899	-.00414	.00026	-.00013	.00015	
1002	-.04771	-.08327	-.02899	.00028	-.00008	-.00000	
1003	-.04758	-.06957	-.05668	.00020	-.00012	-.00009	
1004	-.04824	-.08294	.02450	.00022	-.00024	-.00000	
1005	-.04022	-.07997	-.00702	.00011	-.00010	-.00000	
1006	-.03817	-.07584	.05290	.00022	-.00016	-.00007	
1007	-.03796	-.06655	-.00460	.00026	-.00013	.00013	
1008	-.04842	-.06772	-.06288	.00020	-.00012	-.00009	
1009	-.03566	-.07643	.05953	.00022	-.00016	-.00007	
1010	.07809	-.00050	-.00112	-.00001	.00035	.00002	OBLIQUE
1010	-.03958	-.06825	-.00115	.00030	-.00017	.00008	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 6

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
1011	-.05607	.06430	-.01637	-.00027	-.00016	-.00002	OBLIQUE
1011	-.05920	-.06432	-.00557	.00027	-.00016	-.00004	GLOBAL
1012	-.05792	-.06503	.01480	.00028	-.00018	-.00002	OBLIQUE
1012	-.05792	-.06658	.00390	.00028	-.00017	-.00005	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.94814	1.80209	-.00673	.00015	-.00006	-.00012	
102	.94812	1.77621	-.01790	.00015	-.00006	.00017	
103	.94808	1.75014	-.02793	.00015	-.00005	.00029	
104	.92574	1.78914	.01025	.00015	-.00006	.00017	
105	.92566	1.76312	-.00067	.00015	-.00006	.00009	
106	.90317	1.77607	.02676	.00014	-.00006	.00031	
201	.95945	1.82466	-.00673	.00014	-.00006	-.00013	
202	.95862	1.80252	-.01751	.00014	-.00006	.00017	
203	.95777	1.77665	-.02793	.00015	-.00006	.00030	
204	.93637	1.81518	.00965	.00014	-.00006	.00017	
205	.93627	1.78929	-.00073	.00015	-.00006	.00009	
206	.91416	1.80221	.02675	.00015	-.00006	.00032	
301	.96978	1.85138	-.00682	.00010	-.00006	-.00018	
303	.97208	1.79311	-.02807	-.00002	-.00012	.00053	
306	.92082	1.82336	.02685	.00004	-.00010	.00034	
401	.97507	1.82041	-.00632	-.00018	-.00004	-.00016	
403	.96023	1.71906	-.02817	-.00014	.00023	.00044	
406	.94119	1.76491	.02732	-.00028	.00013	.00046	
501	.97701	1.81004	-.00505	-.00016	-.00006	-.00016	
502	.97442	1.76054	-.02301	.00002	-.00011	.00029	
503	.97041	1.70996	-.02090	-.00011	.00023	.00043	
504	.94681	1.77719	.01249	.00016	.00012	.00018	
505	.94242	1.73617	.00341	.00028	-.00012	.00011	
506	.92976	1.75074	.01973	-.00027	.00013	.00047	
507	.97033	1.80674	-.00115	-.00016	-.00006	-.00015	
508	.97850	1.69950	-.01326	-.00011	.00023	.00044	
509	.91641	1.75211	.01159	-.00027	.00013	.00046	
510	.97691	1.80992	-.00528	-.00017	-.00005	-.00015	
511	.96921	1.70946	-.03154	-.00010	.00022	.00042	
512	.92962	1.74892	.03073	-.00028	.00014	.00045	
513	.97751	1.81092	.00113	.00006	-.00024	.00008	
514	.97716	1.77955	.00754	-.00017	.00065	.00033	
601	.98064	1.79757	-.00252	-.00016	-.00006	-.00018	
603	.95835	1.70076	-.00858	-.00006	.00022	.00046	
606	.91406	1.75282	.00520	-.00029	.00015	.00047	
611	.99802	1.79821	.01557	-.00014	-.00008	-.00016	
612	1.00223	2.35812	-.04835	.00251	.00003	.00009	
613	1.00604	1.70139	.00517	-.00006	.00006	.00130	
621	.98093	1.78171	-.00022	-.00023	.00002	-.00024	
622	.98456	1.86418	-.04512	-.00020	.00009	.00015	
623	.94696	1.69094	.00370	-.00011	.00022	.00051	
624	1.05212	1.82771	-.00858	.00002	.00014	.00034	
625	.93378	1.71822	.01944	-.00008	-.00015	.00015	
626	.89723	1.71265	-.00964	-.00033	.00016	.00048	
651	.97415	1.75874	.00166	-.00033	.00013	-.00031	
653	.93509	1.67504	.01652	-.00021	.00024	.00056	
656	.87925	1.68858	-.02517	-.00039	.00017	.00049	
661	.97223	1.75945	.01230	-.00019	.00021	-.00058	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	.97829	2.68420	-.04845	.00201	.00016	.00007	
603	.98357	1.67572	.00910	.00018	.00037	.00158	
701	.95672	1.72288	.00531	-.00059	.00021	-.00043	
702	.93925	1.67206	-.01111	-.00021	-.00003	.00006	
703	.91983	1.64510	.03340	-.00034	.00026	.00063	
704	.90701	1.64030	-.01407	-.00003	.00005	.00019	
705	.90218	1.64545	-.02568	-.00003	-.00003	.00028	
706	.89858	1.65587	-.04405	-.00043	.00015	.00049	
707	.93126	1.71374	.00379	-.00059	.00021	-.00042	
708	.93043	1.63020	.04535	-.00034	.00026	.00063	
709	.94470	1.65792	-.05707	-.00043	.00015	.00049	
710	.93713	1.72253	-.00144	-.00044	.00022	-.00020	
711	.90763	1.63766	-.04901	-.00041	.00027	.00041	
712	.89568	1.64048	.04627	-.00048	.00017	.00040	
801	.81409	1.48663	-.00670	-.00080	.00047	-.00079	
802	.81290	1.43833	.03160	-.00066	.00018	.00018	
803	.80959	1.38149	.15353	-.00097	.00055	.00054	
804	.78482	1.45496	-.06187	-.00052	.00031	.00006	
805	.77491	1.41322	-.04561	-.00033	.00009	.00017	
806	.76970	1.42912	-.15836	-.00094	.00025	.00073	
807	.80453	1.47014	-.00695	-.00081	.00047	-.00079	
808	.82016	1.37216	.18251	-.00097	.00055	.00054	
809	.74892	1.43350	-.18656	-.00094	.00025	.00073	
810	.81347	1.48694	-.00311	-.00089	.00056	-.00027	
811	.78048	1.38448	-.03996	-.00102	.00056	.00042	
812	.76957	1.39542	.03864	-.00097	.00029	.00037	
901	.56316	1.06425	.00528	-.00118	.00064	-.00080	
902	.57150	1.01434	.10465	-.00099	.00028	.00020	
903	.57794	.93562	.27718	-.00113	.00072	.00066	
904	.55035	1.02667	-.10116	-.00070	.00059	.00002	
905	.54496	.94255	-.03220	-.00054	.00033	.00006	
906	.57458	1.00896	-.29240	-.00118	.00059	.00045	
907	.55432	1.04904	.00654	-.00118	.00064	-.00081	
908	.59206	.92457	.31279	-.00113	.00072	.00067	
909	.56389	1.01536	-.32780	-.00118	.00059	.00045	
910	.56494	1.06364	-.00442	-.00115	.00060	-.00030	
911	.53807	.91314	-.00357	-.00103	.00063	.00035	
912	.57456	.96024	.00392	-.00110	.00060	.00036	
1001	.26421	.51193	.01089	-.00145	.00070	-.00064	
1002	.32749	.56988	.17129	-.00158	.00046	.00006	
1003	.32644	.48557	.35501	-.00109	.00068	.00048	
1004	.31509	.57713	-.20431	-.00126	.00118	.00003	
1005	.30717	.54891	.02037	-.00078	.00055	.00006	
1006	.25078	.53504	-.37514	-.00127	.00087	.00039	
1007	.27028	.50295	.01429	-.00146	.00071	-.00058	
1008	.33478	.47741	.36949	-.00110	.00068	.00045	
1009	.24964	.53954	-.41350	-.00127	.00088	.00036	
1010	-.30247	-.00833	.00206	.00007	-.00217	-.00006	OBLIQUE
1010	.28404	.50859	.00067	-.00188	.00101	-.00042	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
1011	.25567	-.45469	.11231	.00165	.00094	.00019	OBLIQUE
1011	.27636	.45502	.03600	-.00160	.00098	.00034	GLOBAL
1012	.25564	.46135	-.11660	-.00172	.00103	.00019	OBLIQUE
1012	.25564	.47428	-.03927	-.00172	.00098	.00036	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 8
DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
101	-.16588	-.29253	-.00318	-.00003	.00002	.00002	
102	-.16589	-.29061	-.00007	-.00003	.00002	-.00001	
103	-.16589	-.28926	.00299	-.00003	.00002	-.00003	
104	-.16257	-.29157	-.00680	-.00003	.00002	-.00001	
105	-.16256	-.29003	-.00372	-.00003	.00002	-.00000	
106	-.16124	-.29079	-.01042	-.00003	.00002	-.00003	
201	-.16709	-.29848	-.00318	-.00003	.00002	.00002	
202	-.16702	-.29691	-.00003	-.00003	.00002	-.00001	
203	-.16595	-.29540	.00299	-.00003	.00002	-.00003	
204	-.16588	-.29768	-.00677	-.00003	.00002	-.00001	
205	-.16587	-.29611	-.00372	-.00003	.00002	-.00000	
206	-.16427	-.29689	-.01042	-.00003	.00002	-.00003	
301	-.16994	-.30452	-.00317	-.00003	.00001	.00003	
303	-.17035	-.30113	.00300	-.00003	.00002	-.00003	
306	-.16747	-.30304	-.01042	-.00004	.00002	-.00003	
401	-.17474	-.31614	-.00319	-.00003	.00004	.00005	
403	-.17572	-.30991	.00300	-.00004	-.00002	-.00004	
406	-.17295	-.31313	-.01042	-.00001	.00000	-.00005	
501	-.17647	-.31743	-.00342	-.00003	.00004	.00006	
502	-.17583	-.31443	.00182	-.00004	.00002	-.00003	
503	-.17512	-.31157	.00210	-.00004	-.00002	-.00005	
504	-.17411	-.31546	-.00642	-.00004	.00002	-.00002	
505	-.17381	-.31269	-.00416	-.00004	.00001	.00001	
506	-.17267	-.31396	-.00974	-.00001	.00000	-.00005	
507	-.17542	-.31560	-.00344	-.00003	.00004	.00006	
508	-.17547	-.31023	.00215	-.00004	-.00002	-.00005	
509	-.17115	-.31389	-.01013	-.00001	.00000	-.00005	
510	-.17649	-.31745	-.00324	-.00003	.00004	.00005	
511	-.17493	-.31151	.00411	-.00004	-.00001	-.00004	
512	-.17264	-.31365	-.01146	-.00001	.00000	-.00005	
513	-.17539	-.31556	-.00445	-.00003	.00005	.00006	
514	-.17404	-.31006	-.00236	.00003	-.00013	-.00005	
601	-.17695	-.31896	-.00367	-.00003	.00004	.00007	
603	-.17418	-.31370	.00009	-.00003	-.00002	-.00005	
606	-.17224	-.31518	-.00803	-.00001	.00000	-.00005	
611	-.17671	-.31899	-.00557	.00001	-.00004	.00004	
612	-.17578	-.34569	-.07950	-.00070	.00000	-.00001	
613	-.17687	-.31373	-.00301	.00003	.00007	-.00006	
621	-.18100	-.32000	-.00428	-.00002	.00003	.00008	
622	-.17516	-.33198	-.00296	-.00003	-.00003	.00000	
623	-.17525	-.31552	-.00195	-.00002	-.00002	-.00007	
624	-.17494	-.32286	-.01448	-.00002	.00005	-.00004	
625	-.17632	-.32205	-.01431	-.00003	.00004	-.00001	
626	-.17158	-.31582	-.00622	.00000	-.00000	-.00006	
651	-.18180	-.32035	-.00458	-.00001	.00001	.00010	
653	-.17265	-.31605	-.00401	-.00001	-.00002	-.00008	
656	-.17055	-.31518	-.00621	.00002	-.00001	-.00006	
661	-.17679	-.32043	-.00563	.00001	-.00011	.00017	

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 8

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	-.17766	-.45392	-.07964	-.00071	.00002	-.00000	
603	-.17657	-.31613	-.00286	-.00005	.00010	-.00020	
701	-.18057	-.32021	-.00464	-.00002	-.00002	.00012	
702	-.17674	-.31514	-.09830	-.00032	.00001	.00000	
703	-.17268	-.31536	-.00656	.00000	-.00001	-.00009	
704	-.17442	-.31630	-.11859	.00011	-.00020	-.00003	
705	-.17371	-.31265	-.10705	.00012	.00025	-.00002	
706	-.18915	-.31249	-.00154	.00005	-.00000	-.00006	
707	-.17868	-.31709	-.00393	-.00002	-.00002	.00012	
708	-.17408	-.31293	-.00678	.00001	-.00001	-.00009	
709	-.18737	-.31272	-.00014	.00005	-.00000	-.00006	
710	-.18073	-.32007	-.00509	.00002	-.00002	.00006	
711	-.17026	-.31390	.00971	.00004	-.00003	-.00005	
712	-.18918	-.31004	-.01612	.00004	-.00000	-.00004	
801	-.15948	-.29253	-.00318	.00011	-.00009	.00023	
802	-.15692	-.28469	-.07489	-.00009	-.00002	-.00004	
803	-.15795	-.27607	-.02985	.00015	-.00008	-.00011	
804	-.15713	-.28574	-.07314	.00011	-.00017	-.00001	
805	-.15818	-.28187	-.06513	.00013	.00015	.00000	
806	-.18158	-.28266	.01918	.00018	-.00002	-.00014	
807	-.15853	-.28696	-.00255	.00011	-.00009	.00023	
808	-.15997	-.27391	-.03431	.00015	-.00008	-.00011	
809	-.15758	-.28345	.02447	.00018	-.00002	-.00014	
810	-.15968	-.29216	-.00184	.00014	-.00009	.00007	
811	-.15210	-.27209	.00965	.00018	-.00009	-.00006	
812	-.18154	-.27662	-.01575	.00016	-.00004	-.00004	
901	-.11436	-.21287	-.00582	.00022	-.00012	.00025	
902	-.11484	-.20517	-.03509	.00013	-.00004	-.00003	
903	-.11443	-.19355	-.05603	.00021	-.00014	-.00018	
904	-.11430	-.20528	-.00600	.00013	-.00014	-.00001	
905	-.11284	-.20240	-.01489	.00009	-.00002	.00001	
906	-.12599	-.20279	.04745	.00024	-.00013	-.00009	
907	-.11118	-.20737	-.00599	.00022	-.00012	.00025	
908	-.11769	-.19009	-.06287	.00021	-.00014	-.00018	
909	-.12184	-.20411	.05463	.00024	-.00013	-.00009	
910	-.11505	-.21255	-.00141	.00024	-.00012	.00008	
911	-.10609	-.18880	.00284	.00021	-.00012	-.00005	
912	-.12400	-.19576	-.00786	.00022	-.00013	-.00005	
1001	-.09299	-.09427	-.00661	.00034	-.00017	.00022	
1002	-.09364	-.11521	-.03944	.00041	-.00009	.00001	
1003	-.09350	-.09668	-.07254	.00027	-.00016	-.00018	
1004	-.09005	-.11376	.03450	.00029	-.00031	-.00001	
1005	-.09266	-.11071	-.01015	.00016	-.00010	-.00000	
1006	-.09202	-.10430	.06496	.00029	-.00021	-.00010	
1007	-.09057	-.09033	-.00744	.00034	-.00017	.00020	
1008	-.09575	-.09406	-.08071	.00027	-.00016	-.00013	
1009	-.09110	-.10504	.07374	.00029	-.00021	-.00009	
1010	.10733	.00020	-.00190	-.00001	.00047	.00003	OBLIQUE
1010	-.09317	-.09318	-.00184	.00040	-.00022	.00010	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 8

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	DEFLECTION IN INCHES			ROTATION IN RADIANS			REMARKS
	X	Y	Z	X	Y	Z	
1011	-.05154	.08455	-.02109	-.00056	-.00022	-.00002	OBLIQUE
1011	-.05284	-.09006	-.00624	.00056	-.00021	-.00006	GLOBAL
1012	-.05247	-.09070	.01829	.00058	-.00024	-.00002	OBLIQUE
1012	-.05247	-.09247	.00311	.00058	-.00023	-.00006	GLOBAL

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 1

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	7.4078	-.0436	-1.2325	-55.3892	-224.3465	5.5698	OBLIQUE
1010	-3.5084	-6.4937	-1.2229	-174.6816	141.8264	-31.4066	GLOBAL
1011	-3.5305	5.4908	-38.5490	229.0070	142.7947	-8.8691	OBLIQUE
1011	-8.8364	-4.1914	-37.0386	-237.8038	127.0679	14.7189	GLOBAL
1012	-2.9238	-5.9572	39.4491	-196.7521	27.9364	-9.7974	OBLIQUE
1012	-2.9238	-16.3693	37.9305	-196.7521	29.1600	-5.0654	GLOBAL
TOTAL	-15.3266	-28.0543	-.3310	-611.2375	298.0624	-21.7532	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 2

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS			MOMENT IN IN-KIPS			REMARKS
	F-X	F-Y	F-Z	M-X	M-Y	M-Z	
1010	-5.5549	.1011	.7570	27.6809	178.3299	-4.1020	OBLIQUE
1010	2.7750	4.8479	.7633	139.0305	-112.3199	25.2856	GLOBAL
1011	2.5955	-4.5590	28.2112	-181.0346	-107.8538	5.1593	OBLIQUE
1011	0.0122	0.0192	27.0771	183.4285	-103.0851	-12.6508	GLOBAL
1012	2.2676	4.4854	-27.9921	157.1762	-26.7315	0.8072	OBLIQUE
1012	2.2676	9.0317	-26.8720	157.1762	-27.4874	2.3144	GLOBAL
TOTAL	11.0529	20.6987	.9685	479.6352	-282.8924	14.9493	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 3

PAGE 3
DATE 10/05/76

U.S. NAVY - ACMN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	22.3472	.0835	-4.1748	-88.2943	-741.4414	12.1606	OBLIQUE
1010	-14.5160	-19.7333	-4.1042	-590.7569	443.3902	-109.9574	GLOBAL
1011	-10.9753	18.3265	-114.3693	748.5698	462.4899	-26.5352	OBLIQUE
1011	-26.4464	-27.4614	-109.7969	-775.3108	417.6712	44.8966	GLOBAL
1012	-8.9525	-18.4469	117.0560	-680.5196	129.3601	-30.9159	OBLIQUE
1012	-8.9525	-37.4626	112.4231	-680.5196	132.6844	-4.2017	GLOBAL
TOTAL	-45.9169	-45.1572	-1.4781	-2044.5933	993.7458	-69.2625	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 4

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-15.4495	-.0044	5.2580	51.4716	568.9125	-10.7799	OBLIQUE
1010	0.4779	13.6112	5.1854	461.6423	-326.2423	82.9417	GLOBAL
1011	7.7456	-13.0842	68.0253	-609.7442	-350.4365	14.2847	OBLIQUE
1011	16.9854	16.7628	64.9467	606.4137	-353.7865	-43.5500	GLOBAL
1012	0.5121	13.3952	-63.5312	585.0641	-148.8055	12.6716	OBLIQUE
1012	0.5121	23.6696	-60.4598	585.0641	-148.8616	-11.9948	GLOBAL
TOTAL	30.4758	56.2457	9.6725	1653.7201	-828.8905	27.3973	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	47.0697	-.6870	-5.3684	-262.2393	-2131.0307	24.9014	OBLIQUE
1010	-25.3745	-40.8563	-5.4082	-1692.2697	1280.8831	-325.9499	GLOBAL
1011	-22.3432	39.0407	-269.9106	2050.3243	1159.9076	-64.5618	OBLIQUE
1011	-61.1168	-61.1208	-259.7134	-2029.7036	1204.3264	127.0993	GLOBAL
1012	-19.0270	-38.8356	279.2965	-1866.1356	475.4463	-85.4624	OBLIQUE
1012	-19.0270	-84.2778	269.0948	-1866.1356	481.0558	-8.3680	GLOBAL
TOTAL	-103.5183	-186.2609	3.9731	-5588.1089	2966.2653	-205.2186	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 6

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-25.6216	.6705	6.6880	110.4143	928.0081	-17.5239	OBLIQUE
1010	11.4428	20.6705	6.7072	736.7816	-560.2594	135.3537	GLOBAL
1011	11.3004	-20.6627	98.0514	-1027.4579	-531.4817	18.3631	OBLIQUE
1011	25.9255	28.1039	93.3174	470.6210	-625.7568	-69.3051	GLOBAL
1012	10.6204	20.5324	-86.6443	959.6952	-297.9264	19.7550	OBLIQUE
1012	10.6204	34.8499	-84.0950	959.6952	-297.1142	-29.5548	GLOBAL
TOTAL	47.9904	83.6303	15.9296	2667.2978	-1483.1304	36.4938	

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 7

DATE 10/05/76

U.S. NAVY - ACAN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	110.5251	-1.4267	-12.5606	-594.7543	-6660.1904	57.4306	OBLIQUE
1010	-54.7549	-96.0057	-12.4329	-5596.0074	3811.1804	-1038.8203	GLOBAL
1011	-55.3914	96.1442	-672.6815	6339.5565	3410.7216	-183.5101	OBLIQUE
1011	-151.2176	-149.0504	-647.9031	-6111.0764	3790.5537	379.9851	GLOBAL
1012	-45.5456	-93.7856	699.7620	-5972.8340	1850.0601	-184.5348	OBLIQUE
1012	-45.5456	-207.8845	674.7809	-5972.8340	1855.2006	122.5000	GLOBAL
TOTAL	-251.5211	-452.7486	14.4449	-17479.9178	9456.7347	-536.3352	

STRAN - REACTION FORCES AND MOMENTS

DATE 10/05/76

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-31.0300	.6049	11.3589	126.4764	1339.4151	-26.4432	OBLIQUE
1010	14.0302	28.2025	11.3037	1083.3647	-774.4912	194.2240	GLOBAL
1011	15.9947	-28.1675	126.3644	-1496.5643	-791.7888	21.5137	OBLIQUE
1011	54.0477	38.1506	120.0104	1426.1042	-903.1788	-109.0128	GLOBAL
1012	14.0996	28.5471	-109.5485	1451.0251	-440.0228	21.1591	OBLIQUE
1012	14.0996	46.1493	-103.3555	1451.0251	-476.9503	-58.1407	GLOBAL
TOTAL	63.5775	112.5424	27.9585	3962.4919	-2154.6283	27.0705	

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
101- 102 W18- 1		0.0	-.00	.02	.24	.00	-.00	.00	-.00	.00	.02	.00	.00	.001
		3.6	-.00	.01	.15	.00	-.00	.00	-.00	.00	.01	.00	.00	.001
		7.3	-.00	.00	.07	.00	-.00	.00	-.00	.00	.01	.00	.00	.000
		10.9	-.00	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.01	-.10	.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
101- 104 W18- 1		0.0	-.00	.03	.24	.00	-.00	.00	-.00	.00	.02	.00	.00	.001
		3.6	-.00	.02	.16	.00	-.00	.00	-.00	.00	.01	.00	.00	.001
		7.2	-.00	.01	.07	.00	-.00	.00	-.00	.00	.01	.00	.00	.000
		10.9	-.00	.00	-.02	.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.11	.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
101- 201 WRL- 1		0.0	-.00	-.03	.04	.00	.01	.48	-.00	-.00		.00	.00	.000
		3.8	-.00	.23	-.16	.00	.01	.48	-.00	-.00		.00	.00	.000
		7.5	-.00	.48	-.35	.00	.01	.48	-.00	-.00		.00	.00	.000
		11.3	-.00	.73	-.55	.00	.01	.48	-.00	-.00		.00	.00	.000
		15.0	-.00	.99	-.74	.00	.01	.48	-.00	-.00		.00	.00	.000
102- 103 W18- 1		0.0	-.00	-.01	-.08	-.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
		3.6	-.00	-.02	-.03	-.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		7.3	-.00	-.03	.02	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.04	.08	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
		14.5	-.00	-.05	.13	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
102- 104 W06- 1		0.0	.00	.00	-.02	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		3.6	.00	.00	-.01	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		7.2	.00	.00	-.00	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
102- 105 W06- 1		0.0	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.00	-.00	-.00	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		7.2	-.00	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		10.9	-.00	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.02	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
103- 105 W18- 1		0.0	.00	-.08	-.09	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.000
		3.6	.00	-.06	-.07	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.000
		7.2	.00	-.03	-.04	-.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.00	-.01	-.02	-.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		14.5	.00	.01	.00	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
103- 203 WRL- 1		0.0	.00	.07	.09	.00	-.00	-.22	.00	.00		.00	.00	.000
		3.8	.00	-.02	.07	.00	-.00	-.22	.00	.00		.00	.00	.000
		7.5	.00	-.12	.05	.00	-.00	-.22	.00	.00		.00	.00	.000
		11.3	.00	-.21	.03	.00	-.00	-.22	.00	.00		.00	.00	.000
		15.0	.00	-.30	.02	.00	-.00	-.22	.00	.00		.00	.00	.000

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

DATE 10/05/76

U.S. NAVY - ACHN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	CUMM. UNITY CHECK
										KSI				
104- 105 W00-	1	0.0	.00	-.00	.01	.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		5.6	.00	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.00	-.00	-.01	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.00	.00	-.02	.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		14.5	.00	.00	-.02	.00	.00	-.00	.00	.00	-.00	.00	.00	.000
104- 106 W10-	1	0.0	-.00	-.00	-.11	-.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
		5.6	-.00	-.01	-.03	-.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		7.3	-.00	-.02	.04	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.03	.12	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
		14.5	-.00	-.04	.19	-.00	-.00	.00	-.00	-.00	.02	.00	.00	.001
105- 106 W10-	1	0.0	.00	.01	-.04	-.00	.00	.00	.00	.00	-.00	.00	.00	.000
		5.6	.00	.03	.01	-.00	.00	.00	.00	.00	.00	.00	.00	.000
		7.3	.00	.06	.06	-.00	.00	.00	.00	.00	.01	.00	.00	.000
		10.9	.00	.08	.11	-.00	.00	.00	.00	.00	.01	.00	.00	.001
		14.5	.00	.10	.16	-.00	.00	.00	.00	.00	.01	.00	.00	.001
105- 206 ORL-	1	0.0	-.01	.10	.14	.00	.00	-.59	-.00	-.00		.00	.00	.000
		5.8	-.01	.26	.10	.00	.00	-.59	-.00	-.00		.00	.00	.000
		7.5	-.01	.43	.07	.00	.00	-.59	-.00	-.00		.00	.00	.000
		11.3	-.01	.60	.03	.00	.00	-.59	-.00	-.00		.00	.00	.000
		15.0	-.01	.77	-.00	.00	.00	-.59	-.00	-.00		.00	.00	.000
201- 202 W10-	1	0.0	.07	-.03	.25	.00	.00	-.00	.00	-.00	.02	.00	.00	.001
		5.6	.07	-.03	.16	.00	.00	-.00	.00	-.00	.02	.00	.00	.001
		7.3	.07	-.03	.07	.00	.00	-.00	.00	-.00	.01	.00	.00	.001
		10.9	.07	-.03	-.02	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		14.5	.07	-.03	-.11	.00	.00	-.00	.00	-.00	-.01	.00	.00	.001
201- 204 W10-	1	0.0	.02	-.10	.26	.00	.00	.00	.00	-.00	.02	.00	.00	.001
		5.5	.02	-.08	.17	.00	.00	.00	.00	-.00	.02	.00	.00	.001
		7.2	.02	-.06	.07	.00	.00	.00	.00	-.00	.01	.00	.00	.000
		10.9	.02	-.04	-.02	.00	.00	.00	.00	-.00	-.00	.00	.00	.000
		14.5	.02	-.01	-.12	.00	.00	.00	.00	-.00	-.01	.00	.00	.001
201- 301 ORL-	1	0.0	.02	.94	-.85	-.06	-.02	2.25	.00	.00		.00	.00	.000
		5.8	.02	.20	1.80	-.06	-.02	2.25	.00	.00		.00	.00	.000
		7.5	.02	-.53	4.45	-.06	-.02	2.25	.00	.01		.00	.00	.000
		11.3	.02	-1.27	7.09	-.06	-.02	2.25	.00	.01		.00	.00	.000
		15.0	.02	-2.01	9.74	-.06	-.02	2.25	.00	.02		.00	.00	.001
201- 303 120-	1	0.0	-.02	-.11	.66	.00	.00	-.09	-.00	-.01		.00	.00	.001
		8.2	-.02	-.04	.53	.00	.00	-.09	-.00	-.01		.00	.00	.000
		16.3	-.02	.04	.40	.00	.00	-.09	-.00	-.01		.00	.00	.000
		24.5	-.02	.12	.28	.00	.00	-.09	-.00	-.01		.00	.00	.000
		32.6	-.02	.19	.15	.00	.00	-.09	-.00	-.00		.00	.00	.000

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
202- 203 W16- 1		0.0	.07	-.03	-.09	-.00	.00	.00	.00	-.00	-.01	.00	.00	.001
		3.6	.07	-.03	-.04	-.00	.00	.00	.00	-.00	-.00	.00	.00	.000
		7.3	.07	-.03	.02	-.00	.00	.00	.00	-.00	.00	.00	.00	.000
		10.9	.07	-.03	.08	-.00	.00	.00	.00	-.00	.01	.00	.00	.001
		14.5	.07	-.03	.14	-.00	.00	.00	.00	-.00	.01	.00	.00	.001
202- 204 W08- 1		0.0	.00	.00	-.02	-.00	.00	.00	.00	.00	-.00	.00	.00	.000
		3.6	.00	.00	-.01	-.00	.00	.00	.00	.00	-.00	.00	.00	.000
		7.2	.00	.00	-.00	-.00	.00	.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.00	.01	-.00	.00	.00	.00	.00	.00	.00	.00	.000
		14.5	.00	.00	.01	-.00	.00	.00	.00	.00	.00	.00	.00	.000
202- 205 W08- 1		0.0	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.00	-.00	-.00	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		7.2	-.00	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		10.9	-.00	-.00	-.02	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.02	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
203- 205 W16- 1		0.0	-.06	-.10	-.10	-.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
		3.6	-.06	-.07	-.07	-.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
		7.2	-.06	-.04	-.04	-.00	.00	.00	-.00	-.00	-.00	.00	.00	.000
		10.9	-.06	-.00	-.02	-.00	.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.06	.03	.01	-.00	.00	.00	-.00	.00	.00	.00	.00	.000
203- 303 DKL- 1		0.0	.00	-.51	.41	.04	.06	-1.17	.00	.00		.00	.00	.000
		3.8	.00	2.51	-1.28	.04	.06	-1.17	.00	.00		.00	.00	.000
		7.5	.00	5.14	-2.96	.04	.06	-1.17	.00	.01		.00	.00	.000
		11.3	.00	7.97	-4.65	.04	.06	-1.17	.00	.01		.00	.00	.001
		15.0	.00	10.79	-6.34	.04	.06	-1.17	.00	.02		.00	.00	.001
203- 306 120- 1		0.0	-.01	.10	-.42	-.00	-.00	-.06	-.00	-.01		.00	.00	.001
		8.2	-.01	.02	-.37	-.00	-.00	-.06	-.00	-.01		.00	.00	.000
		16.3	-.01	-.06	.06	-.00	-.00	-.06	-.00	-.00		.00	.00	.000
		24.5	-.01	-.14	.53	-.00	-.00	-.06	-.00	-.01		.00	.00	.000
		32.6	-.01	-.22	.98	-.00	-.00	-.06	-.00	-.02		.00	.00	.001
204- 205 W08- 1		0.0	.00	-.00	.01	.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		3.6	.00	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.00	-.00	-.01	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.00	.00	-.02	.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		14.5	.00	.00	-.02	.00	.00	-.00	.00	.00	-.00	.00	.00	.000
204- 206 W16- 1		0.0	.02	-.01	-.11	-.00	.00	.00	.00	-.00	-.01	.00	.00	.001
		3.6	.02	.01	-.03	-.00	.00	.00	.00	.00	-.00	.00	.00	.000
		7.3	.02	.03	.04	-.00	.00	.00	.00	.00	.00	.00	.00	.000
		10.9	.02	.05	.12	-.00	.00	.00	.00	.00	.01	.00	.00	.001
		14.5	.02	.07	.20	-.00	.00	.00	.00	.00	.02	.00	.00	.001

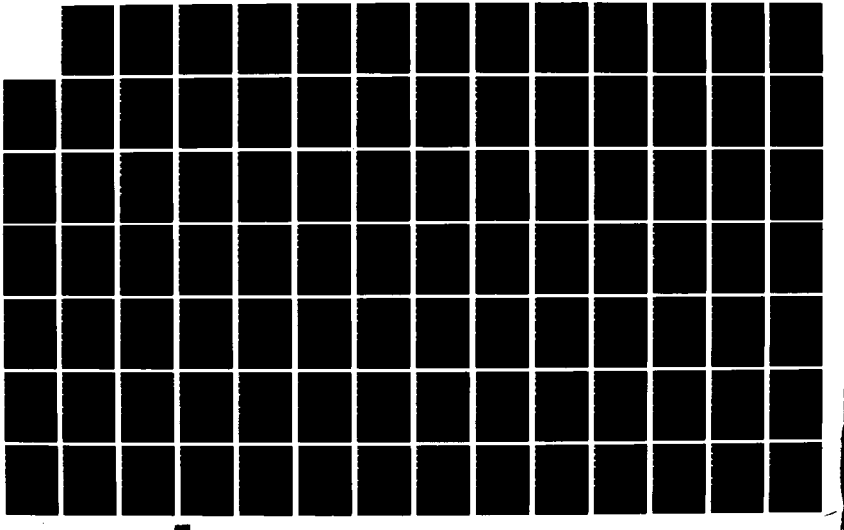
LOAD CONDITION NO. 1

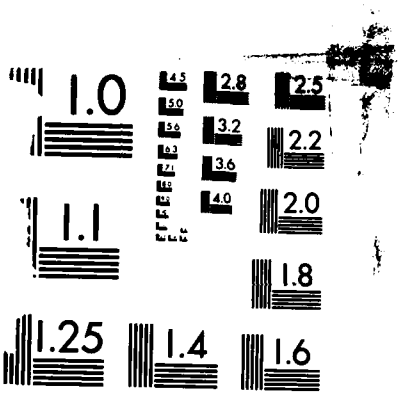
U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	CUMM. UNITY CHECK
									KSI					
205- 206 =16- 1		0.0	-.07	.05	-.03	-.00	.00	-.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.07	.06	.02	-.00	.00	-.00	-.00	.00	.00	.00	.00	.000
		7.3	-.07	.10	.06	-.00	.00	-.00	-.00	.00	.01	.00	.00	.001
		10.9	-.07	.15	.11	-.00	.00	-.00	-.00	.00	.01	.00	.00	.001
		14.5	-.07	.17	.16	-.00	.00	-.00	-.00	.00	.02	.00	.00	.001
206- 301 120- 1		0.0	-.01	-.06	-.08	.00	.00	.16	-.00	-.00		.00	.00	.000
		8.2	-.01	-.01	-.28	.00	.00	.16	-.00	-.00		.00	.00	.000
		16.3	-.01	.04	-.47	.00	.00	.16	-.00	-.01		.00	.00	.000
		24.5	-.01	.09	-.67	.00	.00	.16	-.00	-.01		.00	.00	.001
		32.6	-.01	.14	-.87	.00	.00	.16	-.00	-.02		.00	.00	.001
206- 306 DRL- 1		0.0	-.00	.97	.17	.04	-.04	-1.09	-.00	-.00		.00	.00	.000
		3.8	-.00	-.45	-1.64	.04	-.04	-1.09	-.00	-.00		.00	.00	.000
		7.5	-.00	-2.84	-3.45	.04	-.04	-1.09	-.00	-.01		.00	.00	.000
		11.3	-.00	-4.74	-5.25	.04	-.04	-1.09	-.00	-.01		.00	.00	.000
		15.0	-.00	-6.65	-7.06	.04	-.04	-1.09	-.00	-.02		.00	.00	.001
301- 303 123- 1		0.0	-.21	.21	1.15	.00	-.00	.08	-.01	-.02		.00	.00	.002
		7.3	-.21	.17	.83	.00	-.00	.08	-.01	-.02		.00	.00	.001
		14.5	-.21	.13	.52	.00	-.00	.08	-.01	-.01		.00	.00	.001
		21.7	-.21	.09	.20	.00	-.00	.08	-.01	-.00		.00	.00	.001
		29.0	-.21	.05	-.12	.00	-.00	.08	-.01	-.00		.00	.00	.001
301- 306 123- 1		0.0	-.02	.19	.87	.00	-.00	-.11	-.00	-.02		.00	.00	.001
		7.2	-.02	.11	.73	.00	-.00	-.11	-.00	-.01		.00	.00	.001
		14.5	-.02	.03	.60	.00	-.00	-.11	-.00	-.01		.00	.00	.001
		21.7	-.02	-.05	.47	.00	-.00	-.11	-.00	-.01		.00	.00	.000
		29.0	-.02	-.13	.34	.00	-.00	-.11	-.00	-.01		.00	.00	.000
301- 401 DRL- 1		0.0	-.04	-2.59	11.05	.12	.01	5.97	-.00	-.02		.01	.01	.001
		7.1	-.04	-1.45	1.03	.12	.01	5.97	-.00	-.00		.01	.01	.000
		14.2	-.04	-.28	-9.00	.12	.01	5.97	-.00	-.01		.01	.01	.001
		21.4	-.04	.88	-19.02	.12	.01	5.97	-.00	-.03		.01	.01	.001
		28.5	-.04	2.03	-29.05	.12	.01	5.97	-.00	-.05		.01	.01	.002
303- 306 123- 1		0.0	.20	-.12	-1.09	-.01	-.00	.06	.01	.02		.00	.00	.001
		7.2	.20	-.12	-.50	-.01	-.00	.06	.01	.01		.00	.00	.001
		14.5	.20	-.13	.08	-.01	-.00	.06	.01	.00		.00	.00	.001
		21.7	.20	-.13	.67	-.01	-.00	.06	.01	.01		.00	.00	.001
		29.0	.20	-.13	1.26	-.01	-.00	.06	.01	.02		.00	.00	.001
303- 403 DRL- 1		0.0	-.01	10.99	-6.57	-.09	-.11	-2.32	-.00	-.02		.00	.00	.001
		7.1	-.01	1.75	1.20	-.09	-.11	-2.32	-.00	-.00		.00	.00	.000
		14.2	-.01	-7.49	8.96	-.09	-.11	-2.32	-.00	-.02		.00	.00	.001
		21.4	-.01	-16.73	16.73	-.09	-.11	-2.32	-.00	-.04		.00	.00	.002
		28.5	-.01	-25.97	24.49	-.09	-.11	-2.32	-.00	-.06		.00	.00	.002

AD-A165 651 FATIGUE ANALYSIS EAST COAST AIR COMBAT MANEUVERING RANGE OFFSHORE KITTY H.. (U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-100 CHES/NAVFAC-FPO-7616 4/6

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963 A

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
306- 406	UNL- 1	0.0	-.00	-7.35	-6.87	-.07	.10	-3.58	-.00	-.02		.01	.01	.001
		7.1	-.00	-.96	-.78	-.07	.10	-3.58	-.00	-.00		.01	.01	.000
		14.2	-.00	9.28	5.32	-.07	.10	-3.58	-.00	-.02		.01	.01	.001
		21.4	-.00	17.60	11.41	-.07	.10	-3.58	-.00	-.03		.01	.01	.001
		28.5	-.00	25.91	17.51	-.07	.10	-3.58	-.00	-.05		.01	.01	.002
401- 501	JL4- 1	0.0	-1.28	-10.57	-8.00	-.99	-.26	13.54	-.01	-.00		.01	.01	.000
		1.1	-1.28	-14.18	5.49	-.99	-.26	13.54	-.01	-.01		.01	.01	.000
		2.3	-1.28	-17.79	18.98	-.99	-.26	13.54	-.01	-.01		.01	.01	.001
		3.4	-1.28	-21.40	32.47	-.99	-.26	13.54	-.01	-.01		.01	.01	.001
		4.6	-1.28	-25.01	45.95	-.99	-.26	13.54	-.01	-.02		.01	.01	.001
401- 510	P1- 1	0.0	1.23	-15.55	19.74	.94	.16	-5.53	.01	.01		.01	.01	.001
		1.1	1.23	-13.28	6.87	.94	.16	-5.53	.01	.01		.01	.01	.001
		2.3	1.23	-11.04	-5.99	.94	.16	-5.53	.01	.01		.01	.01	.001
		3.4	1.23	-8.79	-18.86	.94	.16	-5.53	.01	.01		.01	.01	.001
		4.6	1.23	-6.55	-31.72	.94	.16	-5.53	.01	.02		.01	.01	.001
403- 503	JL4- 1	0.0	-38.51	-18.93	-7.57	.63	.29	-17.01	-.15	-.01		.01	.01	.007
		1.1	-38.51	-15.00	-16.20	.63	.29	-17.01	-.15	-.01		.01	.01	.007
		2.3	-38.51	-11.06	-24.82	.63	.29	-17.01	-.15	-.01		.01	.01	.007
		3.4	-38.51	-7.13	-33.44	.63	.29	-17.01	-.15	-.01		.01	.01	.008
		4.6	-38.51	-3.20	-42.07	.63	.29	-17.01	-.15	-.01		.01	.01	.006
403- 511	P1- 1	0.0	38.55	10.59	-27.26	-.51	-.26	8.93	.17	.01		.01	.01	.009
		1.1	38.55	6.76	-20.24	-.51	-.26	8.93	.17	.01		.01	.01	.008
		2.3	38.55	3.15	-13.23	-.51	-.26	8.93	.17	.01		.01	.01	.008
		3.4	38.55	-.49	-6.22	-.51	-.26	8.93	.17	.00		.01	.01	.006
		4.6	38.55	-4.12	.79	-.51	-.26	8.93	.17	.00		.01	.01	.008
406- 506	JL4- 1	0.0	39.47	21.26	11.64	.24	-.29	-10.40	.16	.01		.00	.00	.008
		1.1	39.47	17.24	8.34	.24	-.29	-10.40	.16	.01		.00	.00	.007
		2.3	39.47	13.22	5.05	.24	-.29	-10.40	.16	.00		.00	.00	.007
		3.4	39.47	9.20	1.75	.24	-.29	-10.40	.16	.00		.00	.00	.007
		4.6	39.47	5.18	-1.55	.24	-.29	-10.40	.16	.00		.00	.00	.007
406- 512	P1- 1	0.0	-39.46	4.65	6.22	-.51	.38	9.74	-.18	-.00		.01	.01	.008
		1.1	-39.46	9.81	10.50	-.51	.38	9.74	-.18	-.01		.01	.01	.009
		2.3	-39.46	14.97	14.78	-.51	.38	9.74	-.18	-.01		.01	.01	.009
		3.4	-39.46	20.14	19.07	-.51	.38	9.74	-.18	-.01		.01	.01	.009
		4.6	-39.46	25.30	23.35	-.51	.38	9.74	-.18	-.02		.01	.01	.009
501- 502	105- 1	0.0	1.08	-1.66	13.28	.10	.00	-.44	.04	.12		.01	.01	.007
		3.8	1.08	-1.55	8.56	.10	.00	-.44	.04	.08		.01	.01	.005
		7.6	1.08	-1.44	3.83	.10	.00	-.44	.04	.04		.01	.01	.003
		11.4	1.08	-1.32	-.89	.10	.00	-.44	.04	.01		.01	.01	.002
		15.1	1.08	-1.21	-5.62	.10	.00	-.44	.04	.05		.01	.01	.004

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	105- 1	0.0	-1.90	-1.37	13.48	.11	.01	.96	-.06	-.12		.01	.01	.009
		3.8	-1.90	-1.04	8.47	.11	.01	.96	-.06	-.08		.01	.01	.007
		7.6	-1.90	-.70	3.45	.11	.01	.96	-.06	-.03		.01	.01	.005
		11.4	-1.90	-.37	-1.56	.11	.01	.96	-.06	-.01		.01	.01	.004
		15.1	-1.90	-.03	-6.57	.11	.01	.96	-.06	-.06		.01	.01	.006
501- 601	JL5- 1	0.0	-2.27	-29.92	29.27	1.50	.54	22.07	-.02	-.03		.03	.03	.002
		1.5	-2.27	-20.11	1.85	1.50	.54	22.07	-.02	-.01		.03	.03	.001
		3.0	-2.27	-10.30	-25.56	1.50	.54	22.07	-.02	-.02		.03	.03	.001
		4.6	-2.27	-.48	-52.98	1.50	.54	22.07	-.02	-.03		.03	.03	.002
		6.1	-2.27	9.35	-80.40	1.50	.54	22.07	-.02	-.05		.03	.03	.003
501- 622	200- 1	0.0	1.97	4.73	-22.25	-.20	-.07	-.84	.05	.13		.01	.01	.008
		5.1	1.97	.68	-9.88	-.20	-.07	-.84	.05	.06		.01	.01	.005
		10.2	1.97	-3.37	2.47	-.20	-.07	-.84	.05	.02		.01	.01	.003
		15.3	1.97	-7.41	14.81	-.19	-.07	-.84	.05	.09		.01	.01	.006
		20.4	1.97	-11.33	23.56	-.09	-.06	-.84	.05	.15		.01	.01	.009
502- 503	105- 1	0.0	1.21	-1.11	-4.79	-.06	-.00	-.21	.04	.04		.00	.00	.004
		3.8	1.21	-1.20	-2.12	-.06	-.00	-.21	.04	.02		.00	.00	.003
		7.6	1.21	-1.29	.55	-.06	-.00	-.21	.04	.01		.00	.00	.002
		11.4	1.21	-1.38	3.22	-.06	-.00	-.21	.04	.03		.00	.00	.003
		15.1	1.21	-1.47	5.88	-.06	-.00	-.21	.04	.05		.00	.00	.004
502- 504	105- 1	0.0	.04	-.10	-.74	-.01	.00	-.05	.00	.02		.00	.00	.001
		3.8	.04	-.01	-.40	-.01	.00	-.05	.00	.01		.00	.00	.001
		7.6	.04	.08	-.07	-.01	.00	-.05	.00	.00		.00	.00	.000
		11.4	.04	.17	.27	-.01	.00	-.05	.00	.01		.00	.00	.001
		15.2	.04	.26	.60	-.01	.00	-.05	.00	.02		.00	.00	.001
502- 505	105- 1	0.0	-.22	-.24	-.09	.00	.00	.09	-.02	-.01		.00	.00	.001
		3.8	-.22	-.12	-.21	.00	.00	.09	-.02	-.01		.00	.00	.001
		7.6	-.22	-.01	-.32	.00	.00	.09	-.02	-.01		.00	.00	.001
		11.4	-.22	.10	-.44	.00	.00	.09	-.02	-.01		.00	.00	.002
		15.2	-.22	.21	-.55	.00	.00	.09	-.02	-.02		.00	.00	.002
503- 505	105- 1	0.0	.67	-.45	-4.01	-.02	.01	-.70	.02	.04		.00	.00	.003
		3.8	.67	-.18	-3.17	-.02	.01	-.70	.02	.03		.00	.00	.002
		7.6	.67	.09	-2.33	-.02	.01	-.70	.02	.02		.00	.00	.002
		11.4	.67	.36	-1.50	-.02	.01	-.70	.02	.01		.00	.00	.002
		15.1	.67	.63	-.66	-.02	.01	-.70	.02	.01		.00	.00	.001
503- 603	JL5- 1	0.0	-34.04	18.92	-33.89	-1.21	-.85	-35.61	-.24	-.02		.03	.03	.012
		1.5	-34.04	3.43	-11.90	-1.21	-.85	-35.61	-.24	-.01		.03	.03	.011
		3.0	-34.04	-12.06	10.10	-1.21	-.85	-35.61	-.24	-.01		.03	.03	.012
		4.6	-34.04	-27.54	32.10	-1.21	-.85	-35.61	-.24	-.03		.03	.03	.012
		6.1	-34.04	-43.03	54.10	-1.21	-.85	-35.61	-.24	-.04		.03	.03	.013

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1 DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 625	200- 1	0.0	-4.10	-21.51	-11.81	-.06	.19	-1.46	-.11	-.14		.01	.01	.011
		5.1	-4.10	-10.04	-8.26	-.06	.19	-1.46	-.11	-.07		.01	.01	.008
		10.1	-4.10	1.43	-4.72	-.06	.19	-1.46	-.11	-.03		.01	.01	.007
		15.2	-4.10	12.90	-1.17	-.06	.19	-1.46	-.11	-.07		.01	.01	.008
		20.3	-4.11	21.23	1.72	-.04	.09	-1.46	-.11	-.12		.01	.01	.010
504- 505	105- 1	0.0	.18	-.15	.21	.01	.00	-.04	.02	.01		.00	.00	.001
		3.8	.18	-.13	-.02	.01	.00	-.04	.02	.00		.00	.00	.001
		7.6	.18	-.11	-.25	.01	.00	-.04	.02	.01		.00	.00	.001
		11.4	.18	-.10	-.49	.01	.00	-.04	.02	.02		.00	.00	.001
		15.2	.18	-.08	-.72	.01	.00	-.04	.02	.02		.00	.00	.002
504- 506	105- 1	0.0	-1.97	.25	-6.18	-.09	.01	1.06	-.07	-.06		.01	.01	.006
		3.8	-1.97	.66	-2.29	-.09	.01	1.06	-.07	-.02		.01	.01	.005
		7.6	-1.97	1.07	1.59	-.09	.01	1.06	-.07	-.02		.01	.01	.004
		11.4	-1.97	1.48	5.48	-.09	.01	1.06	-.07	-.05		.01	.01	.006
		15.2	-1.97	1.89	9.37	-.09	.01	1.06	-.07	-.09		.01	.01	.007
505- 506	105- 1	0.0	.46	.82	-1.93	-.05	.01	-.76	.02	.02		.01	.01	.001
		3.8	.46	1.21	.53	-.05	.01	-.76	.02	.01		.01	.01	.001
		7.6	.46	1.61	3.00	-.05	.01	-.76	.02	.03		.01	.01	.002
		11.4	.46	2.01	5.46	-.05	.01	-.76	.02	.05		.01	.01	.003
		15.2	.46	2.41	7.93	-.05	.01	-.76	.02	.07		.01	.01	.004
506- 606	JLS- 1	0.0	37.90	22.54	10.59	-.10	.34	-5.39	.27	.02		.01	.01	.013
		1.5	37.90	26.72	12.46	-.10	.34	-5.39	.27	.02		.01	.01	.013
		3.0	37.90	34.90	14.37	-.10	.34	-5.39	.27	.02		.01	.01	.013
		4.6	37.90	41.08	16.26	-.10	.34	-5.39	.27	.03		.01	.01	.013
		6.1	37.90	47.26	18.15	-.10	.34	-5.39	.27	.03		.01	.01	.014
506- 624	200- 1	0.0	2.73	3.82	26.54	.20	-.02	1.93	.07	.15		.02	.02	.010
		5.1	2.73	2.45	14.29	.20	-.02	1.93	.07	.08		.02	.02	.007
		10.1	2.73	1.07	2.04	.20	-.02	1.93	.07	.01		.02	.02	.004
		15.2	2.73	-.30	-10.21	.20	-.02	1.93	.07	.06		.02	.02	.006
		20.2	2.74	-1.56	-21.48	.15	-.02	1.93	.07	.12		.01	.01	.008
510- 710	P1- 1	0.0	1.23	-6.54	-31.76	.72	.23	-5.53	.01	.02		.01	.01	.001
		6.3	1.23	11.49	-86.41	.72	.23	-5.53	.01	.04		.01	.01	.002
		12.7	1.23	29.52	-141.06	.72	.23	-5.53	.01	.07		.01	.01	.003
		19.0	1.23	47.15	-195.71	.72	.23	-5.53	.01	.09		.01	.01	.004
		25.3	1.23	64.98	-250.36	.72	.23	-5.53	.01	.12		.01	.01	.005
511- 711	P1- 1	0.0	38.55	-4.11	.82	-.73	-.66	8.93	.17	.00		.01	.01	.008
		6.3	38.55	-54.22	56.35	-.73	-.66	8.93	.17	.04		.01	.01	.010
		12.7	38.55	-104.35	111.89	-.73	-.66	8.93	.17	.07		.01	.01	.011
		19.0	38.55	-154.43	167.42	-.73	-.66	8.93	.17	.11		.01	.01	.013
		25.3	38.55	-204.54	222.95	-.73	-.66	8.93	.17	.14		.01	.01	.014

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
512- 712	P1- 1	0.0	-39.46	25.30	23.34	.07	.39	9.75	-.18	-.02		.01	.01	.009
		6.3	-39.46	54.88	17.90	.07	.39	9.75	-.18	-.03		.01	.01	.010
		12.7	-39.46	84.46	12.45	.07	.39	9.75	-.18	-.04		.01	.01	.010
		19.0	-39.46	114.04	7.00	.07	.39	9.75	-.18	-.05		.01	.01	.011
		25.3	-39.46	143.62	1.55	.07	.39	9.75	-.18	-.07		.01	.01	.012
601- 621	JL6- 1	0.0	-2.15	11.97	-77.99	1.16	.30	36.54	-.02	-.05		.03	.03	.003
		1.5	-2.15	17.41	-99.16	1.16	.30	36.54	-.02	-.06		.03	.03	.003
		3.0	-2.15	22.85	-120.34	1.16	.30	36.54	-.02	-.08		.03	.03	.004
		4.6	-2.15	28.27	-141.05	1.08	.30	36.54	-.02	-.09		.03	.03	.005
		6.1	-2.15	33.67	-159.61	.88	.30	36.54	-.02	-.10		.02	.02	.005
603- 623	JL6- 1	0.0	-33.78	-39.12	45.12	-.94	-.86	-38.22	-.24	-.04		.03	.03	.013
		1.5	-33.78	-54.84	62.33	-.94	-.86	-38.22	-.24	-.05		.03	.03	.013
		3.0	-33.80	-70.51	79.41	-.91	-.81	-38.22	-.24	-.07		.03	.03	.014
		4.6	-33.83	-85.98	95.51	-.85	-.69	-38.22	-.24	-.08		.03	.03	.014
		6.1	-33.86	-95.75	110.57	-.76	-.53	-38.22	-.24	-.09		.03	.03	.015
606- 626	JL6- 1	0.0	37.90	47.26	18.13	-.10	.46	-5.45	.27	.03		.01	.01	.014
		1.5	37.90	55.68	20.02	-.10	.46	-5.45	.27	.04		.01	.01	.014
		3.0	37.90	64.10	21.91	-.10	.46	-5.45	.27	.04		.01	.01	.014
		4.6	37.90	72.51	23.80	-.10	.46	-5.45	.27	.05		.01	.01	.014
		6.1	37.92	80.56	25.49	-.07	.39	-5.45	.27	.05		.01	.01	.015
621- 651	JL6- 1	0.0	-2.15	32.94	-159.53	.94	.29	36.74	-.02	-.10		.03	.03	.005
		1.5	-2.15	38.19	-174.33	.69	.28	36.74	-.02	-.11		.02	.02	.005
		3.0	-2.15	43.36	-188.60	.44	.28	36.74	-.02	-.12		.02	.02	.006
		4.6	-2.15	48.53	-190.40	.20	.28	36.74	-.02	-.12		.02	.02	.006
		6.1	-2.15	53.66	-191.84	-.04	.28	36.74	-.02	-.13		.02	.02	.006
622- 703	200- 1	0.0	1.97	-11.55	23.56	-.09	-.04	-1.13	.05	.15		.01	.01	.009
		5.4	1.99	-11.26	24.51	.07	.04	-1.13	.05	.15		.01	.01	.009
		10.9	2.01	-5.81	15.04	.22	.12	-1.13	.05	.09		.02	.02	.006
		16.3	2.03	5.00	-4.85	.38	.21	-1.13	.05	.04		.03	.03	.004
		21.8	2.05	21.15	-34.16	.51	.29	-1.13	.05	.22		.03	.03	.012
623- 653	JL6- 1	0.0	-33.86	-96.10	109.94	-.76	-.63	-38.46	-.24	-.09		.03	.03	.015
		1.5	-33.80	-105.90	122.59	-.63	-.45	-38.46	-.24	-.10		.02	.02	.015
		3.0	-33.74	-112.40	132.91	-.50	-.27	-38.46	-.24	-.11		.02	.02	.016
		4.6	-33.68	-115.77	140.96	-.38	-.10	-38.46	-.24	-.11		.02	.02	.016
		6.1	-33.62	-116.08	146.85	-.27	.06	-38.46	-.24	-.12		.02	.02	.016
624- 701	200- 1	0.0	2.74	-1.55	-21.48	.15	-.02	1.92	.07	.12		.01	.01	.008
		5.5	2.75	-2.56	-25.45	-.03	-.01	1.92	.07	.14		.01	.01	.009
		11.0	2.77	-2.71	-18.56	-.18	.01	1.92	.07	.10		.01	.01	.008
		16.5	2.80	-1.64	-1.44	-.33	.03	1.92	.07	.01		.02	.02	.004
		21.9	2.80	1.47	25.27	-.48	.07	1.92	.07	.14		.03	.03	.009

SIHAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1 DATE 10/05/76

U.S. NAVY - ACHR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
625- 706	200- 1	0.0	-4.11	21.25	1.72	-.05	.09	-1.45	-.11	-.12		.01	.01	.010
		5.5	-4.11	20.88	3.75	-.02	-.09	-1.45	-.11	-.12		.01	.01	.010
		11.0	-4.10	10.48	4.62	-.00	-.22	-1.45	-.11	-.06		.02	.02	.008
		16.4	-4.10	-8.62	3.87	.02	-.36	-1.45	-.11	-.05		.02	.02	.008
		21.9	-4.09	-36.40	1.50	.05	-.49	-1.45	-.11	-.20		.03	.03	.014
626- 656	JL6- 1	0.0	37.92	80.56	25.50	-.07	.33	-5.41	.27	.05		.01	.01	.015
		1.5	37.86	84.90	25.63	.05	.15	-5.41	.26	.06		.00	.00	.015
		3.0	37.80	85.92	23.68	.16	-.03	-5.41	.26	.06		.00	.00	.015
		4.6	37.74	83.74	19.76	.27	-.20	-5.41	.26	.05		.01	.01	.014
		6.1	37.68	78.50	13.90	.37	-.37	-5.41	.26	.05		.01	.01	.014
651- 701	JL6- 1	0.0	-2.47	51.65	-191.22	-1.59	-.12	59.90	-.02	-.12		.04	.04	.006
		1.8	-2.47	49.06	-154.69	-1.84	-.12	59.90	-.02	-.10		.04	.04	.005
		3.5	-2.47	46.50	-112.75	-2.09	-.12	59.90	-.02	-.08		.05	.05	.004
		5.3	-2.47	43.92	-65.58	-2.33	-.12	59.90	-.02	-.05		.05	.05	.003
		7.1	-2.47	41.35	-13.41	-2.56	-.12	59.90	-.02	-.03		.05	.05	.002
653- 703	JL6- 1	0.0	-35.92	-121.69	154.53	.90	.56	-44.57	-.25	-.12		.03	.03	.017
		1.8	-35.92	-107.40	134.12	1.02	.78	-44.57	-.25	-.11		.03	.03	.016
		3.5	-35.92	-88.60	111.25	1.13	.99	-44.57	-.25	-.09		.03	.03	.016
		5.3	-35.92	-65.42	86.05	1.24	1.19	-44.57	-.25	-.07		.04	.04	.015
		7.1	-35.92	-38.06	58.63	1.34	1.38	-44.57	-.25	-.04		.04	.04	.014
656- 706	JL6- 1	0.0	37.68	78.50	13.91	.37	-.39	-5.40	.26	.05		.01	.01	.014
		1.8	37.68	68.03	4.62	.50	-.60	-5.40	.26	.04		.01	.01	.014
		3.5	37.68	53.15	-7.31	.62	-.80	-5.40	.26	.03		.02	.02	.014
		5.3	37.69	34.02	-21.85	.74	-1.00	-5.40	.26	.03		.02	.02	.013
		7.1	37.69	10.66	-38.85	.85	-1.20	-5.40	.26	.03		.02	.02	.013
701- 702	157- 1	0.0	3.88	.69	5.82	-.02	-.00	-.23	.20	.10		.00	.00	.014
		4.7	3.88	.55	5.81	.02	-.00	-.23	.20	.10		.00	.00	.014
		9.4	3.88	.40	3.15	.07	-.00	-.23	.20	.06		.01	.01	.012
		14.1	3.88	.26	-2.15	.12	-.00	-.23	.20	.04		.01	.01	.011
		18.8	3.88	.11	-10.09	.16	-.00	-.23	.20	.18		.02	.02	.017
701- 704	157- 1	0.0	-.40	-1.51	4.12	-.07	.01	-.34	-.02	-.08		.01	.01	.005
		4.7	-.41	-.93	6.12	-.00	.01	-.34	-.02	-.11		.00	.00	.006
		9.4	-.43	-.34	4.52	.06	.01	-.34	-.02	-.08		.01	.01	.005
		14.1	-.45	.24	-.69	.12	.01	-.34	-.02	-.01		.02	.02	.002
		18.8	-.46	.82	-9.50	.19	.01	-.34	-.02	-.17		.02	.02	.009
701- 801	JL7- 1	0.0	2.84	27.49	-25.09	1.34	-.17	15.65	.04	.05		.05	.05	.004
		7.1	2.84	14.25	-102.86	.51	-.15	15.65	.04	.13		.02	.02	.007
		14.2	2.85	2.26	-115.06	-.20	-.14	15.65	.04	.15		.02	.02	.008
		21.3	2.85	-9.07	-71.78	-.80	-.13	15.65	.04	.09		.03	.03	.006
		28.4	2.85	-19.50	18.34	-1.51	-.11	15.65	.04	.03		.05	.05	.003

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
701- 806	200- 1	0.0	-6.27	-23.72	-59.98	-.54	.27	-1.25	-.16	-.26		.04	.04	.021
		12.5	-6.26	5.17	16.76	-.22	.12	-1.25	-.16	-.10		.02	.02	.014
		25.1	-6.20	15.62	29.49	.04	.01	-1.25	-.16	-.19		.01	.01	.018
		37.6	-6.16	8.09	8.40	.23	-.12	-1.25	-.16	-.07		.02	.02	.013
		50.2	-6.14	-19.58	-38.66	.40	-.25	-1.25	-.16	-.24		.03	.03	.020
702- 703	137- 1	0.0	4.16	.09	-6.53	-.14	-.01	.30	.22	.12		.02	.02	.015
		4.7	4.16	-.28	-.19	-.09	-.01	.30	.22	.01		.01	.01	.010
		9.4	4.16	-.65	3.51	-.04	-.01	.30	.22	.06		.01	.01	.013
		14.1	4.16	-1.01	4.57	.00	-.01	.30	.22	.08		.00	.00	.013
		18.8	4.16	-1.38	2.99	.05	-.01	.30	.22	.06		.01	.01	.012
702- 704	107- 1	0.0	-.04	-.35	.44	.00	.00	.10	-.00	-.02		.00	.00	.001
		4.7	-.04	-.20	.38	.00	.00	.10	-.00	-.01		.00	.00	.001
		9.4	-.04	-.04	.32	.00	.00	.10	-.00	-.01		.00	.00	.001
		14.1	-.04	.12	.27	.00	.00	.10	-.00	-.01		.00	.00	.001
		18.8	-.04	.27	.21	.00	.00	.10	-.00	-.01		.00	.00	.001
702- 705	107- 1	0.0	-.38	-.18	-4.00	-.12	.00	-.04	-.03	-.13		.02	.02	.007
		4.7	-.40	-.12	1.15	-.06	.00	-.04	-.03	-.04		.01	.01	.004
		9.4	-.41	-.05	2.69	.00	.00	-.04	-.03	-.09		.00	.00	.006
		14.1	-.43	.01	.62	.07	.00	-.04	-.04	-.02		.01	.01	.003
		18.8	-.45	.08	-5.04	.13	.00	-.04	-.04	-.17		.02	.02	.009
703- 705	137- 1	0.0	-2.76	-1.73	-8.58	-.07	.01	-.26	-.14	-.15		.01	.01	.016
		4.7	-2.76	-1.26	-4.85	-.07	.01	-.26	-.14	-.09		.01	.01	.013
		9.4	-2.76	-.79	-1.11	-.07	.01	-.26	-.14	-.02		.01	.01	.011
		14.1	-2.76	-.32	2.63	-.07	.01	-.26	-.14	-.05		.01	.01	.012
		18.8	-2.76	.15	6.36	-.07	.01	-.26	-.14	-.11		.01	.01	.014
703- 801	200- 1	0.0	-6.23	-3.75	49.22	.59	.01	1.10	-.16	-.28		.03	.03	.022
		12.5	-6.22	-2.16	-13.62	.26	.02	1.10	-.16	-.08		.02	.02	.013
		25.1	-6.20	.79	-33.37	.01	.02	1.10	-.16	-.19		.00	.00	.018
		37.6	-6.19	4.92	-15.45	-.24	.03	1.10	-.16	-.09		.02	.02	.014
		50.2	-6.19	10.05	54.75	-.41	.04	1.10	-.16	-.20		.02	.02	.018
703- 803	JL7- 1	0.0	-31.64	-31.58	61.16	-.39	-1.07	11.92	-.45	-.09		.04	.04	.026
		7.1	-31.64	-92.78	78.44	-.02	-.39	11.92	-.45	-.15		.02	.02	.028
		14.2	-31.62	-100.25	67.13	.28	.19	11.92	-.45	-.15		.02	.02	.028
		21.3	-31.61	-62.62	32.80	.52	.68	11.92	-.45	-.09		.03	.03	.026
		28.4	-31.62	12.62	-20.47	.75	1.08	11.92	-.45	-.03		.04	.04	.023
704- 705	107- 1	0.0	.47	.44	-4.04	-.10	-.00	.03	.04	.14		.02	.02	.008
		4.7	.47	.29	.16	-.05	-.00	.03	.04	.01		.01	.01	.002
		9.4	.47	.10	1.72	-.00	-.00	.03	.04	.06		.00	.00	.004
		14.1	.47	-.09	.64	.04	-.00	.03	.04	.02		.01	.01	.003
		18.8	.47	-.28	-3.08	.09	-.00	.03	.04	.10		.02	.02	.006

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706	137- 1	0.0	-.80	.61	-5.25	-.14	.02	.35	-.04	-.09		.02	.02	.007
		4.7	-.82	1.42	.64	-.07	.01	.35	-.04	-.03		.01	.01	.004
		9.4	-.84	1.58	2.93	-.01	-.01	.35	-.04	-.06		.00	.00	.005
		14.1	-.86	.42	1.62	.06	-.04	.35	-.04	-.03		.01	.01	.004
		18.8	-.87	-2.12	-3.31	.12	-.08	.35	-.05	-.08		.02	.02	.006
705- 706	137- 1	0.0	-3.42	.32	-1.76	-.02	.01	-.12	-.18	-.03		.00	.00	.013
		4.7	-3.42	.06	-.57	-.02	.01	-.12	-.18	-.02		.00	.00	.012
		9.4	-3.42	1.01	.62	-.02	.01	-.12	-.18	-.02		.00	.00	.013
		14.1	-3.42	1.13	1.81	-.02	-.01	-.12	-.18	-.04		.00	.00	.013
		18.8	-3.42	-.06	3.00	-.02	-.04	-.12	-.18	-.05		.01	.01	.014
706- 803	200- 1	0.0	11.28	29.04	-14.78	-.07	-.27	-.23	.30	.19		.02	.02	.022
		12.5	11.22	-3.27	-4.14	-.07	-.16	-.23	.30	.03		.01	.01	.015
		25.1	11.19	-18.55	3.93	-.04	-.04	-.23	.29	.10		.00	.00	.018
		37.6	11.17	-13.52	6.82	.00	.10	-.23	.29	.08		.01	.01	.017
		50.2	11.16	13.95	1.97	.06	.26	-.23	.29	.08		.01	.01	.017
706- 806	JL7- 1	0.0	29.48	5.41	-42.22	-.87	1.17	-20.02	.42	.05		.05	.05	.022
		7.1	29.48	75.87	14.68	-.47	.50	-20.02	.42	.10		.03	.03	.023
		14.2	29.48	94.16	39.85	-.13	-.06	-20.02	.42	.13		.02	.02	.025
		21.3	29.45	66.72	57.83	.17	-.57	-20.02	.42	.10		.03	.03	.023
		28.4	29.45	-1.94	13.16	.40	-1.03	-20.02	.42	.02		.04	.04	.020
710- 810	P2- 1	0.0	1.23	64.61	-250.46	-.27	-.27	-5.45	.00	.11		.00	.00	.005
		7.1	1.23	41.87	-227.74	-.27	-.27	-5.45	.00	.10		.00	.00	.004
		14.2	1.23	19.14	-205.02	-.27	-.27	-5.45	.00	.09		.00	.00	.004
		21.3	1.23	-3.60	-182.30	-.27	-.27	-5.45	.00	.08		.00	.00	.003
		28.4	1.23	-26.33	-159.58	-.27	-.27	-5.45	.00	.07		.00	.00	.003
711- 811	P2- 1	0.0	38.55	-204.87	222.66	.52	.16	8.79	.15	.13		.01	.01	.012
		7.1	38.55	-191.57	178.08	.52	.16	8.79	.15	.11		.01	.01	.012
		14.2	38.55	-178.26	133.50	.52	.16	8.79	.15	.09		.01	.01	.011
		21.3	38.55	-164.96	88.93	.52	.16	8.79	.15	.08		.01	.01	.010
		28.4	38.55	-151.66	44.35	.52	.16	8.79	.15	.07		.01	.01	.010
712- 812	P2- 1	0.0	-39.46	143.62	1.55	-.31	.10	9.75	-.16	-.06		.00	.00	.010
		7.1	-39.46	152.42	28.03	-.31	.10	9.75	-.16	-.06		.00	.00	.010
		14.2	-39.46	161.21	54.52	-.31	.10	9.75	-.16	-.07		.00	.00	.011
		21.3	-39.46	170.00	81.00	-.31	.10	9.75	-.16	-.08		.00	.00	.011
		28.4	-39.46	178.79	107.48	-.31	.10	9.75	-.16	-.09		.00	.00	.011
801- 802	148- 1	0.0	.27	2.11	7.76	-.04	-.01	-.42	.01	.12		.01	.01	.005
		5.7	.27	1.68	8.72	.01	-.01	-.42	.01	.13		.00	.00	.006
		11.4	.27	1.24	5.78	.07	-.01	-.42	.01	.09		.01	.01	.004
		17.1	.27	.81	-1.04	.13	-.01	-.42	.01	.02		.02	.02	.001
		22.8	.27	.37	-11.77	.19	-.01	-.42	.01	.17		.02	.02	.008

SIHAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804 148- 1		0.0	-2.74	-2.51	8.84	-.02	.01	-.85	-.13	-.13		.01	.01	.015
		5.7	-2.71	-1.84	8.54	.03	.01	-.85	-.13	-.13		.01	.01	.014
		11.4	-2.69	-1.17	4.86	.08	.01	-.85	-.13	-.07		.01	.01	.012
		17.1	-2.66	-.50	-2.20	.13	.01	-.85	-.13	-.03		.02	.02	.010
		22.8	-2.63	.16	-12.62	.18	.01	-.85	-.12	-.18		.02	.02	.017
801- 901 JL8- 1		0.0	-4.82	-4.69	20.89	.93	-.02	-11.40	-.07	-.03		.03	.03	.005
		8.1	-4.81	-5.49	-44.35	.42	-.00	-11.40	-.07	-.06		.02	.02	.006
		16.2	-4.81	-5.85	-62.02	-.04	-.00	-11.40	-.07	-.08		.01	.01	.007
		24.3	-4.81	-5.58	-39.07	-.42	.01	-11.40	-.07	-.05		.02	.02	.005
		32.4	-4.81	-4.46	17.55	-.74	.01	-11.40	-.07	-.02		.03	.03	.004
801- 903 200- 1		0.0	7.68	3.93	-19.46	-.27	-.02	-1.73	.20	.11		.02	.02	.014
		14.9	7.68	.88	15.48	-.12	-.01	-1.73	.20	.09		.01	.01	.013
		29.8	7.69	-1.41	23.82	.03	-.01	-1.73	.20	.13		.01	.01	.015
		44.7	7.70	-2.95	5.54	.18	-.01	-1.73	.20	.04		.01	.01	.011
		59.6	7.70	-3.72	-39.34	.33	-.00	-1.73	.20	.22		.02	.02	.019
802- 803 148- 1		0.0	.65	.40	-6.88	-.15	-.01	1.00	.03	.10		.02	.02	.006
		5.7	.65	-.46	.38	-.08	-.01	1.00	.03	.01		.01	.01	.002
		11.4	.65	-1.33	3.74	-.02	-.01	1.00	.03	.06		.01	.01	.004
		17.1	.65	-2.20	3.20	.04	-.01	1.00	.03	.06		.01	.01	.004
		22.8	.65	-3.06	-1.23	.09	-.01	1.00	.03	.05		.02	.02	.003
802- 804 108- 1		0.0	.07	-.70	-.10	.00	.00	.34	.01	.02		.01	.01	.001
		5.7	.07	-.42	-.15	.00	.00	.34	.01	.01		.01	.01	.001
		11.4	.07	-.14	-.19	.00	.00	.34	.01	.01		.01	.01	.001
		17.1	.07	.14	-.24	.00	.00	.34	.01	.01		.01	.01	.001
		22.8	.07	.42	-.28	.00	.00	.34	.01	.02		.01	.01	.001
802- 805 108- 1		0.0	-.50	-.00	-4.79	-.10	.00	-.25	-.04	-.16		.02	.02	.009
		5.7	-.47	-.45	.42	-.05	.00	-.25	-.04	-.02		.01	.01	.003
		11.4	-.44	-.29	2.24	-.00	.00	-.25	-.04	-.08		.00	.00	.006
		17.1	-.42	-.14	.70	.05	.00	-.25	-.03	-.02		.01	.01	.003
		22.8	-.39	.01	-4.23	.10	.00	-.25	-.03	-.14		.02	.02	.008
803- 805 148- 1		0.0	2.52	-5.80	-5.29	-.03	.02	-.19	.12	.11		.00	.00	.010
		5.7	2.52	-4.41	-3.23	-.03	.02	-.19	.12	.08		.00	.00	.009
		11.4	2.52	-3.02	-1.16	-.03	.02	-.19	.12	.05		.00	.00	.007
		17.1	2.52	-1.63	.91	-.03	.02	-.19	.12	.03		.00	.00	.007
		22.8	2.52	-.24	2.98	-.03	.02	-.19	.12	.04		.00	.00	.007
803- 903 JL8- 1		0.0	-17.85	4.89	-19.28	-.55	-.61	-2.41	-.25	-.03		.02	.02	.013
		8.1	-17.86	-34.80	4.53	-.15	-.21	-2.41	-.25	-.04		.01	.01	.014
		16.2	-17.86	-36.67	10.97	.01	.16	-2.41	-.25	-.05		.01	.01	.015
		24.3	-17.91	-6.77	3.31	.14	.45	-2.41	-.25	-.01		.01	.01	.013
		32.4	-17.90	49.58	-17.07	.27	.71	-2.41	-.25	-.07		.02	.02	.015

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
803- 906	200- 1	0.0	-14.32	-11.57	-9.80	-.03	.03	.42	-.38	-.08		.00	.00	.029
		14.9	-14.32	-5.36	-5.29	-.03	.03	.42	-.38	-.04		.00	.00	.027
		29.8	-14.32	.86	-.78	-.03	.03	.42	-.38	-.01		.00	.00	.025
		44.7	-14.32	7.07	3.73	-.03	.03	.42	-.38	-.04		.00	.00	.027
		59.6	-14.32	13.28	8.23	-.03	.03	.42	-.38	-.09		.00	.00	.029
804- 805	108- 1	0.0	.36	.75	-4.67	-.11	-.00	-.06	.03	.16		.02	.02	.008
		5.7	.36	.59	1.00	-.05	-.00	-.06	.03	.04		.01	.01	.003
		11.4	.36	.43	2.79	.00	-.00	-.06	.03	.09		.00	.00	.005
		17.1	.36	.26	.67	.06	-.00	-.06	.03	.02		.01	.01	.002
		22.8	.36	.10	-5.35	.12	-.00	-.06	.03	.18		.02	.02	.009
804- 806	148- 1	0.0	-2.87	-.25	-8.23	-.14	.02	.36	-.14	-.12		.02	.02	.015
		5.7	-2.84	.86	-.14	-.09	.02	.36	-.13	-.01		.01	.01	.010
		11.4	-2.81	1.97	4.59	-.04	.02	.36	-.13	-.07		.01	.01	.013
		17.1	-2.78	3.08	5.94	.00	.02	.36	-.13	-.10		.00	.00	.013
		22.8	-2.76	4.19	3.91	.05	.02	.36	-.13	-.08		.01	.01	.013
805- 806	148- 1	0.0	1.96	-.55	-6.60	-.06	.02	-.38	.09	.10		.01	.01	.008
		5.7	1.96	.63	-2.41	-.06	.02	-.38	.09	.04		.01	.01	.006
		11.4	1.96	2.21	1.78	-.06	.02	-.38	.09	.04		.01	.01	.006
		17.1	1.96	3.80	5.96	-.06	.02	-.38	.09	.10		.01	.01	.009
		22.8	1.96	4.98	10.15	-.06	.02	-.38	.09	.16		.01	.01	.011
806- 901	200- 1	0.0	7.89	15.11	41.26	.41	-.07	1.15	.21	.25		.03	.03	.020
		14.9	7.92	4.06	-13.50	.20	-.05	1.15	.21	.08		.01	.01	.015
		29.8	7.96	-2.79	-31.40	-.00	-.03	1.15	.21	.18		.00	.00	.017
		44.7	8.00	-5.46	-12.44	-.21	-.00	1.15	.21	.08		.01	.01	.013
		59.6	8.04	-3.94	43.39	-.42	.02	1.15	.21	.24		.03	.03	.020
806- 906	JL6- 1	0.0	21.95	3.88	4.80	-.43	.67	30.81	.31	.01		.04	.04	.015
		8.1	21.96	46.48	34.64	-.18	.21	30.81	.31	.07		.03	.03	.017
		16.2	21.97	46.90	41.10	.04	-.19	30.81	.31	.08		.03	.03	.016
		24.3	21.99	11.01	27.83	.22	-.53	30.81	.31	.04		.04	.04	.016
		32.4	21.98	-54.98	-1.50	.38	-.81	30.81	.31	.07		.04	.04	.017
810- 910	P2- 1	0.0	1.23	-26.16	-159.40	-.43	-.03	-5.57	.00	.07		.00	.00	.003
		8.1	1.23	-29.55	-118.14	-.43	-.03	-5.57	.00	.05		.00	.00	.002
		16.2	1.23	-32.94	-76.88	-.43	-.03	-5.57	.00	.03		.00	.00	.002
		24.3	1.23	-36.34	-35.22	-.43	-.03	-5.57	.00	.02		.00	.00	.001
		32.4	1.23	-39.73	6.24	-.43	-.03	-5.57	.00	.02		.00	.00	.001
811- 911	P2- 1	0.0	38.55	-151.60	44.51	.30	.64	8.85	.15	.07		.01	.01	.010
		8.1	38.55	-89.21	15.25	.30	.64	8.85	.15	.04		.01	.01	.009
		16.2	38.55	-26.81	-14.01	.30	.64	8.85	.15	.01		.01	.01	.008
		24.3	38.55	35.59	-43.28	.30	.64	8.85	.15	.02		.01	.01	.008
		32.4	38.55	97.99	-72.54	.30	.64	8.85	.15	.05		.01	.01	.009

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
912- 912	M2- 1	0.0	-39.45	178.79	107.48	.10	-.63	9.80	-.16	-.09		.01	.01	.011
		8.1	-39.45	117.83	97.42	.10	-.63	9.80	-.16	-.06		.01	.01	.010
		16.2	-39.45	58.47	87.37	.10	-.63	9.80	-.16	-.04		.01	.01	.010
		24.3	-39.45	-4.89	77.32	.10	-.63	9.80	-.16	-.03		.01	.01	.009
		32.4	-39.45	-65.85	67.27	.10	-.63	9.80	-.16	-.04		.01	.01	.009
901- 902	109- 1	0.0	-1.41	5.18	7.87	-.05	-.01	-.85	-.08	-.09		.01	.01	.008
		5.9	-1.41	4.47	9.18	.01	-.01	-.85	-.08	-.10		.01	.01	.009
		13.7	-1.41	1.75	8.28	.08	-.01	-.85	-.08	-.07		.01	.01	.007
		20.6	-1.41	1.04	.52	.08	-.01	-.85	-.08	-.01		.01	.01	.005
		27.4	-1.41	.33	-6.63	.09	-.01	-.85	-.08	-.07		.01	.01	.007
901- 904	109- 1	0.0	-3.83	-3.19	12.98	.08	.01	-.80	-.16	-.15		.01	.01	.018
		8.9	-3.83	-2.48	8.11	.08	.01	-.80	-.16	-.09		.01	.01	.016
		13.7	-3.83	-1.78	3.27	.08	.01	-.80	-.16	-.04		.01	.01	.013
		20.6	-3.83	-1.07	-1.58	.08	.01	-.80	-.16	-.02		.01	.01	.013
		27.4	-3.83	-.37	-6.43	.08	.01	-.80	-.16	-.07		.01	.01	.015
901-1001	JL9- 1	0.0	.05	-17.11	37.11	.83	.05	-13.99	.00	.05		.03	.03	.002
		8.1	.05	-13.24	-9.65	.55	.03	-13.99	.00	.02		.02	.02	.001
		16.2	.05	-10.91	-28.18	.05	.02	-13.99	.00	.04		.01	.01	.002
		24.3	.06	-7.01	-20.25	-.21	.06	-13.99	.00	.03		.02	.02	.001
		32.4	.06	1.59	12.24	-.46	.11	-13.99	.00	.02		.02	.02	.001
901-1002	180- 1	0.0	5.80	2.04	4.67	-.05	-.01	-1.90	.21	.04		.01	.01	.012
		10.8	5.80	1.50	5.39	.02	-.00	-1.90	.21	.05		.01	.01	.012
		21.1	5.80	1.24	2.28	.03	-.00	-1.90	.21	.02		.01	.01	.011
		31.7	5.80	.99	-.89	.03	-.00	-1.90	.21	.01		.01	.01	.010
		42.2	5.80	.74	-4.06	.03	-.00	-1.90	.21	.04		.01	.01	.011
901-1004	180- 1	0.0	-6.42	.84	5.60	.01	-.01	-1.63	-.23	-.03		.01	.01	.016
		10.6	-6.42	-.22	3.84	.01	-.01	-1.63	-.23	-.01		.01	.01	.015
		21.1	-6.42	-1.28	2.09	.01	-.01	-1.63	-.23	-.02		.01	.01	.015
		31.7	-6.42	-2.35	.34	.01	-.01	-1.63	-.23	-.02		.01	.01	.015
		42.2	-6.42	-3.41	-1.41	.01	-.01	-1.63	-.23	-.03		.01	.01	.015
902- 903	109- 1	0.0	-1.34	.56	-4.91	-.03	-.01	.57	-.06	-.05		.01	.01	.006
		5.9	-1.34	-.03	-2.05	-.03	-.01	.57	-.06	-.02		.01	.01	.005
		13.7	-1.34	-1.83	.81	-.03	-.01	.57	-.06	-.02		.01	.01	.005
		20.6	-1.34	-3.03	3.67	-.03	-.01	.57	-.04	-.05		.01	.01	.006
		27.4	-1.34	-4.22	6.54	-.03	-.01	.57	-.08	-.09		.01	.01	.008
902- 904	109- 1	0.0	-.00	-.01	-1.07	-.01	.00	.36	-.00	-.04		.01	.01	.002
		5.9	-.00	-.30	-.46	-.01	.00	.36	-.00	-.02		.01	.01	.001
		13.7	-.00	.01	.25	-.01	.00	.36	-.00	-.01		.01	.01	.000
		20.6	-.00	.32	.17	-.01	.00	.36	-.00	-.01		.01	.01	.001
		27.4	-.00	.63	.58	-.01	.00	.36	-.00	-.03		.01	.01	.001

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
902- 905 109- 1		0.0	-.14	-.73	-.64	-.00	.00	-.16	-.01	-.03		.00	.00	.002
		6.9	-.14	-.55	-.54	-.00	.00	-.16	-.01	-.03		.00	.00	.002
		13.7	-.14	-.38	-.43	-.00	.00	-.16	-.01	-.02		.00	.00	.002
		20.6	-.14	-.20	-.33	-.00	.00	-.16	-.01	-.01		.00	.00	.001
		27.4	-.14	-.03	-.23	-.00	.00	-.16	-.01	-.01		.00	.00	.001
903- 905 169- 1		0.0	4.85	-6.51	-3.48	-.01	.02	-.15	.20	.08		.00	.00	.013
		6.9	4.85	-4.83	-3.33	-.01	.02	-.15	.20	.06		.00	.00	.012
		13.7	4.85	-3.16	-2.79	-.01	.02	-.15	.20	.05		.00	.00	.011
		20.6	4.85	-1.48	-2.24	-.01	.02	-.15	.20	.03		.00	.00	.010
		27.4	4.85	.20	-1.70	-.01	.02	-.15	.20	.02		.00	.00	.010
903-1002 180- 1		0.0	-5.87	-.36	.40	.06	-.01	1.08	-.21	-.00		.01	.01	.013
		10.6	-5.87	-1.00	-2.46	-.00	-.00	1.08	-.21	-.02		.00	.00	.014
		21.1	-5.87	-1.35	-1.49	-.01	-.00	1.08	-.21	-.02		.01	.01	.013
		31.7	-5.87	-1.71	-.46	-.01	-.00	1.08	-.21	-.02		.01	.01	.013
		42.2	-5.87	-2.06	.58	-.01	-.00	1.08	-.21	-.02		.01	.01	.013
903-1003 JL9- 1		0.0	-1.28	41.47	-39.15	-.51	-.43	11.49	-.02	-.07		.02	.02	.004
		8.1	-1.24	10.44	-15.37	-.19	-.21	11.49	-.02	-.02		.02	.02	.002
		16.2	-1.22	-2.60	-2.14	-.09	-.06	11.49	-.02	-.00		.01	.01	.001
		24.3	-1.19	-1.47	1.35	.01	.09	11.49	-.02	-.00		.01	.01	.001
		32.4	-1.17	14.38	-4.86	.11	.24	11.49	-.02	-.02		.01	.01	.002
903-1005 180- 1		0.0	-10.83	-3.74	-4.55	-.01	.01	1.31	-.39	-.05		.01	.01	.025
		10.6	-10.83	-2.99	-2.99	-.01	.01	1.31	-.39	-.04		.01	.01	.025
		21.1	-10.83	-2.25	-1.43	-.01	.01	1.31	-.39	-.02		.01	.01	.024
		31.7	-10.83	-1.50	.13	-.01	.01	1.31	-.39	-.01		.01	.01	.024
		42.2	-10.83	-.75	1.69	-.01	.01	1.31	-.39	-.02		.01	.01	.024
904- 905 109- 1		0.0	.12	.72	.34	.00	-.00	-.17	.01	.03		.00	.00	.002
		6.9	.12	.54	.08	.00	-.00	-.17	.01	.02		.00	.00	.001
		13.7	.12	.37	-.19	.00	-.00	-.17	.01	.01		.00	.00	.001
		20.6	.12	.20	-.45	.00	-.00	-.17	.01	.02		.00	.00	.001
		27.4	.12	.03	-.72	.00	-.00	-.17	.01	.02		.00	.00	.001
904- 906 169- 1		0.0	-3.90	-.58	-6.19	-.04	.01	.63	-.16	-.07		.01	.01	.015
		6.9	-3.90	.01	-2.65	-.04	.01	.63	-.16	-.03		.01	.01	.013
		13.7	-3.90	1.79	.94	-.04	.01	.63	-.16	-.02		.01	.01	.013
		20.6	-3.90	2.98	4.50	-.04	.01	.63	-.16	-.06		.01	.01	.014
		27.4	-3.90	4.17	8.06	-.04	.01	.63	-.16	-.10		.01	.01	.016
905- 906 169- 1		0.0	4.73	-.11	-2.64	-.03	.02	-.14	.19	.03		.00	.00	.010
		6.9	4.73	1.57	-.42	-.03	.02	-.14	.19	.02		.00	.00	.010
		13.7	4.73	3.25	1.79	-.03	.02	-.14	.19	.04		.00	.00	.011
		20.6	4.73	4.93	4.01	-.03	.02	-.14	.19	.07		.00	.00	.012
		27.4	4.73	6.61	6.23	-.03	.02	-.14	.19	.10		.00	.00	.013

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
906-1004	180- 1	0.0	6.44	2.43	-3.08	-.01	-.00	.51	.23	.03		.00	.00	.012
		10.6	6.44	1.68	-1.95	-.01	-.00	.51	.23	.02		.00	.00	.012
		21.1	6.44	1.34	-.81	-.01	-.00	.51	.23	.01		.00	.00	.011
		31.7	6.44	.80	.32	-.01	-.00	.51	.23	.01		.00	.00	.011
		42.2	6.44	.25	1.45	-.01	-.00	.51	.23	.01		.00	.00	.011
906-1005	180- 1	0.0	10.88	-.28	-3.38	-.01	.01	.36	.40	.03		.00	.00	.020
		10.6	10.88	.99	-2.38	-.01	.01	.36	.40	.02		.00	.00	.019
		21.1	10.88	2.26	-1.39	-.01	.01	.36	.40	.02		.00	.00	.019
		31.7	10.88	3.53	-.40	-.01	.01	.36	.40	.03		.00	.00	.020
		42.2	10.88	4.80	.60	-.01	.01	.36	.40	.04		.00	.00	.020
906-1006	JL9- 1	0.0	1.25	-33.49	9.50	-.25	.48	6.39	.02	.04		.02	.02	.003
		8.1	1.21	1.84	25.50	-.08	.24	6.39	.02	.03		.01	.01	.002
		16.2	1.18	14.11	26.01	.07	.02	6.39	.02	.04		.01	.01	.002
		24.3	1.15	6.93	14.69	.16	-.16	6.39	.02	.02		.01	.01	.002
		32.4	1.12	-16.10	-4.81	.24	-.32	6.39	.02	.02		.02	.02	.002
1010- 910	P3- 1	0.0	1.23	35.39	224.35	.59	-.19	-5.57	.00	.09		.01	.01	.004
		8.1	1.23	16.61	166.69	.59	-.19	-5.57	.00	.07		.01	.01	.003
		16.2	1.23	-2.17	109.03	.59	-.19	-5.57	.00	.05		.01	.01	.002
		24.3	1.23	-20.95	51.38	.59	-.19	-5.57	.00	.02		.01	.01	.001
		32.4	1.23	-39.73	-6.28	.59	-.19	-5.57	.00	.02		.01	.01	.001
1011- 911	P3- 1	0.0	38.55	-229.01	-142.79	-.55	.84	8.89	.15	.11		.01	.01	.012
		8.1	38.55	-147.24	-88.98	-.55	.84	8.89	.15	.07		.01	.01	.010
		16.2	38.55	-65.48	-35.17	-.55	.84	8.89	.15	.03		.01	.01	.006
		24.3	38.55	16.29	18.64	-.55	.84	8.89	.15	.01		.01	.01	.008
		32.4	38.55	98.05	72.45	-.55	.84	8.89	.15	.05		.01	.01	.009
1012- 912	P3- 1	0.0	-39.46	196.75	-27.94	.10	-.68	9.80	-.16	-.08		.01	.01	.011
		8.1	-39.46	132.60	-37.77	.10	-.68	9.80	-.16	-.06		.01	.01	.010
		16.2	-39.46	66.45	-47.60	.10	-.68	9.80	-.16	-.03		.01	.01	.009
		24.3	-39.46	.30	-57.43	.10	-.68	9.80	-.16	-.02		.01	.01	.009
		32.4	-39.46	-65.85	-67.27	.10	-.68	9.80	-.16	-.04		.01	.01	.009
1001-1002	200- 1	0.0	-7.75	8.52	6.14	-.05	-.03	-1.68	-.20	-.06		.01	.01	.017
		8.0	-7.75	5.57	7.97	.01	-.03	-1.68	-.20	-.05		.01	.01	.017
		16.0	-7.75	2.61	5.45	.03	-.03	-1.68	-.20	-.04		.01	.01	.016
		24.0	-7.75	-.34	3.29	.03	-.03	-1.68	-.20	-.02		.01	.01	.015
		32.0	-7.75	-3.29	.65	.03	-.03	-1.68	-.20	-.02		.01	.01	.015
1001-1004	200- 1	0.0	7.29	-9.52	9.68	.02	.03	-.29	.19	.08		.00	.00	.012
		8.0	7.29	-6.98	7.31	.02	.03	-.29	.19	.06		.00	.00	.011
		16.0	7.29	-4.44	4.93	.02	.03	-.29	.19	.04		.00	.00	.010
		24.0	7.29	-1.91	2.56	.02	.03	-.29	.19	.02		.00	.00	.010
		32.0	7.29	.65	.18	.02	.03	-.29	.19	.00		.00	.00	.009

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 1

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1003	200- 1	0.0	-.14	-.23	-.47	-.01	-.01	-.95	-.00	-.00		.00	.00	.000
		8.0	-.14	-1.44	.96	-.01	-.01	-.95	-.00	-.01		.00	.00	.001
		16.0	-.14	-2.65	2.40	-.01	-.01	-.95	-.00	-.02		.00	.00	.001
		24.0	-.14	-3.86	3.83	-.01	-.01	-.95	-.00	-.03		.00	.00	.002
		32.0	-.14	-5.07	5.26	-.01	-.01	-.95	-.00	-.04		.00	.00	.002
1002-1004	140- 1	0.0	-.02	-3.04	-.40	-.00	.02	.81	-.00	-.06		.01	.01	.002
		8.0	-.02	-1.46	-.24	-.00	.02	.81	-.00	-.03		.01	.01	.001
		16.0	-.02	.12	-.08	-.00	.02	.81	-.00	-.00		.01	.01	.000
		24.0	-.02	1.70	.06	-.00	.02	.81	-.00	-.03		.01	.01	.001
		32.0	-.02	3.28	.25	-.00	.02	.81	-.00	-.06		.01	.01	.003
1002-1005	140- 1	0.0	-.06	-3.29	-.14	.00	.01	-.28	-.00	-.06		.00	.00	.003
		8.0	-.06	-2.13	-.16	.00	.01	-.28	-.00	-.04		.00	.00	.002
		16.0	-.06	-.97	-.19	.00	.01	-.28	-.00	-.02		.00	.00	.001
		24.0	-.06	.20	-.21	.00	.01	-.28	-.00	-.01		.00	.00	.000
		32.0	-.06	1.36	-.23	.00	.01	-.28	-.00	-.03		.00	.00	.001
1003-1005	200- 1	0.0	7.87	-13.14	-6.87	-.02	.05	.22	.21	.08		.00	.00	.013
		8.0	7.87	-8.60	-5.08	-.02	.05	.22	.21	.06		.00	.00	.012
		16.0	7.87	-4.06	-3.29	-.02	.05	.22	.21	.03		.00	.00	.011
		24.0	7.87	.48	-1.49	-.02	.05	.22	.21	.01		.00	.00	.010
		32.0	7.87	5.02	.30	-.02	.05	.22	.21	.03		.00	.00	.011
1004-1005	140- 1	0.0	.07	1.69	.16	.00	-.00	-.49	.00	.03		.01	.01	.002
		8.0	.07	1.23	.05	.00	-.00	-.49	.00	.02		.01	.01	.001
		16.0	.07	.76	-.11	.00	-.00	-.49	.00	.01		.01	.01	.001
		24.0	.07	.30	-.24	.00	-.00	-.49	.00	.01		.01	.01	.001
		32.0	.07	-.17	-.38	.00	-.00	-.49	.00	.01		.01	.01	.001
1004-1006	200- 1	0.0	-1.11	-2.45	1.14	-.00	.02	.81	-.03	-.02		.00	.00	.003
		8.0	-1.11	-.18	1.46	-.00	.02	.81	-.03	-.01		.00	.00	.002
		16.0	-1.11	2.07	1.78	-.00	.02	.81	-.03	-.02		.00	.00	.003
		24.0	-1.11	4.32	2.10	-.00	.02	.81	-.03	-.03		.00	.00	.003
		32.0	-1.11	6.57	2.42	-.00	.02	.81	-.03	-.04		.00	.00	.004
1005-1006	200- 1	0.0	-6.30	-.15	-.08	-.01	.03	.34	-.17	-.00		.00	.00	.012
		8.0	-6.30	3.07	1.10	-.01	.03	.34	-.17	-.02		.00	.00	.012
		16.0	-6.30	6.26	2.29	-.01	.03	.34	-.17	-.04		.00	.00	.013
		24.0	-6.30	9.46	3.48	-.01	.03	.34	-.17	-.06		.00	.00	.014
		32.0	-6.30	12.66	4.67	-.01	.03	.34	-.17	-.08		.00	.00	.015

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	CUMM. UNITY CHECK
101- 102 W16- 1		0.0	.00	-.01	-.16	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.001
		3.6	.00	-.01	-.10	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.000
		7.3	.00	-.00	-.05	-.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.00	.01	.06	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
101- 104 W16- 1		0.0	.00	-.02	-.17	-.00	.00	-.00	.00	-.00	-.02	.00	.00	.001
		3.6	.00	-.02	-.11	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.000
		7.2	.00	-.01	-.04	-.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.00	-.00	.02	-.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		14.5	.00	.00	.08	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
101- 201 DBL- 1		0.0	.00	.02	-.03	-.00	-.00	-.33	.00	.00		.00	.00	.000
		3.8	.00	-.16	.13	-.00	-.00	-.33	.00	.00		.00	.00	.000
		7.5	.00	-.34	.28	-.00	-.00	-.33	.00	.00		.00	.00	.000
		11.3	.00	-.52	.44	-.00	-.00	-.33	.00	.00		.00	.00	.000
		15.0	.00	-.70	.59	-.00	-.00	-.33	.00	.00		.00	.00	.000
102- 103 W16- 1		0.0	.00	.01	.05	.00	.00	-.00	.00	.00	.00	.00	.00	.000
		3.6	.00	.01	.02	.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.3	.00	.02	-.01	.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.05	-.04	.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		14.5	.00	.05	-.07	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
102- 104 W08- 1		0.0	-.00	-.00	.01	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.00	-.00	.01	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		7.2	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.00	-.00	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
102- 105 W08- 1		0.0	.00	.00	.00	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		3.6	.00	.00	.00	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		10.9	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
103- 105 W16- 1		0.0	-.00	.06	.04	.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		3.6	-.00	.04	.03	.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		7.2	-.00	.02	.02	.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.00	.01	.02	.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		14.5	-.00	-.01	.01	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
103- 203 DBL- 1		0.0	-.00	-.05	-.06	.00	.00	.11	-.00	-.00		.00	.00	.000
		3.8	-.00	.01	-.07	.00	.00	.11	-.00	-.00		.00	.00	.000
		7.5	-.00	.08	-.06	.00	.00	.11	-.00	-.00		.00	.00	.000
		11.3	-.00	.14	-.09	.00	.00	.11	-.00	-.00		.00	.00	.000
		15.0	-.00	.20	-.09	.00	.00	.11	-.00	-.00		.00	.00	.000

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
104- 105 W08- 1		0.0	-.00	.00	-.01	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.00	.00	-.00	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		7.3	-.00	.00	.00	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.00	-.00	.01	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		14.5	-.00	-.00	.01	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
104- 106 W18- 1		0.0	.00	.00	.07	.00	.00	-.00	.00	.00	.01	.00	.00	.000
		3.6	.00	.01	.02	.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.3	.00	.02	-.03	.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.02	-.09	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		14.5	.00	.03	-.14	.00	.00	-.00	.00	.00	-.01	.00	.00	.001
105- 106 W18- 1		0.0	.00	-.01	.03	.00	-.00	-.00	.00	-.00	.00	.00	.00	.000
		3.6	.00	-.02	-.01	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.00	-.04	-.04	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.00	-.05	-.08	.00	-.00	-.00	.00	-.00	-.01	.00	.00	.000
		14.5	.00	-.07	-.12	.00	-.00	-.00	.00	-.00	-.01	.00	.00	.001
106- 206 DKL- 1		0.0	.00	-.06	-.08	-.00	-.00	.45	.00	.00		.00	.00	.000
		3.8	.00	-.17	-.06	-.00	-.00	.45	.00	.00		.00	.00	.000
		7.5	.00	-.28	-.04	-.00	-.00	.45	.00	.00		.00	.00	.000
		11.3	.00	-.40	-.02	-.00	-.00	.45	.00	.00		.00	.00	.000
		15.0	.00	-.51	-.00	-.00	-.00	.45	.00	.00		.00	.00	.000
201- 202 W18- 1		0.0	-.05	.03	-.17	-.00	-.00	.00	-.00	.00	-.02	.00	.00	.001
		3.6	-.05	.03	-.11	-.00	-.00	.00	-.00	.00	-.01	.00	.00	.001
		7.3	-.05	.03	-.05	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		10.9	-.05	.03	.01	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		14.5	-.05	.02	.07	-.00	-.00	.00	-.00	.00	.01	.00	.00	.000
201- 204 W18- 1		0.0	-.02	.07	-.18	-.00	-.00	-.00	-.00	.00	-.02	.00	.00	.001
		3.6	-.02	.06	-.11	-.00	-.00	-.00	-.00	.00	-.01	.00	.00	.001
		7.2	-.02	.04	-.05	-.00	-.00	-.00	-.00	.00	-.00	.00	.00	.000
		10.9	-.02	.03	.02	-.00	-.00	-.00	-.00	.00	.00	.00	.00	.000
		14.5	-.02	.01	.08	-.00	-.00	-.00	-.00	.00	.01	.00	.00	.000
201- 301 DKL- 1		0.0	-.01	-.64	.69	.04	.01	-1.54	-.00	-.00		.00	.00	.000
		3.8	-.01	-.09	-1.32	.04	.01	-1.54	-.00	-.00		.00	.00	.000
		7.5	-.01	.45	-3.32	.04	.01	-1.54	-.00	-.01		.00	.00	.000
		11.3	-.01	.99	-5.33	.04	.01	-1.54	-.00	-.01		.00	.00	.000
		15.0	-.01	1.54	-7.34	.04	.01	-1.54	-.00	-.01		.00	.00	.000
201- 303 12D- 1		0.0	.01	.09	-.49	-.00	-.00	.05	.00	.01		.00	.00	.000
		8.2	.01	.03	-.37	-.00	-.00	.05	.00	.01		.00	.00	.000
		16.3	.01	-.03	-.25	-.00	-.00	.05	.00	.00		.00	.00	.000
		24.5	.01	-.09	-.13	-.00	-.00	.05	.00	.00		.00	.00	.000
		32.6	.01	-.14	-.01	-.00	-.00	.05	.00	.00		.00	.00	.000

LOAD CONDITION NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS	COMB. UNITY CHECK
202- 203 W18- 1		0.0	-.05	.02	.06	.00	-.00	-.00	-.00	.00	.01	.00	.00	.000
		3.6	-.05	.02	.02	.00	-.00	-.00	-.00	.00	.00	.00	.00	.000
		7.3	-.05	.02	-.01	.00	-.00	-.00	-.00	.00	-.00	.00	.00	.000
		10.9	-.05	.02	-.04	.00	-.00	-.00	-.00	.00	-.00	.00	.00	.000
		14.5	-.05	.02	-.07	.00	-.00	-.00	-.00	.00	-.01	.00	.00	.001
202- 204 W08- 1		0.0	-.00	-.00	.01	.00	-.00	-.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.00	-.00	.01	.00	-.00	-.00	-.00	-.00	.00	.00	.00	.000
		7.2	-.00	-.00	.00	.00	-.00	-.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.00	-.00	.00	-.00	-.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.01	.00	-.00	-.00	-.00	-.00	-.00	.00	.00	.000
202- 205 W08- 1		0.0	.00	.00	.00	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		3.6	.00	.00	.00	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		10.9	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.00	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
203- 205 W18- 1		0.0	.04	.07	.05	.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		3.6	.04	.05	.03	.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.04	.03	.02	.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		10.9	.04	.00	.01	.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.04	-.02	.00	.00	-.00	-.00	.00	-.00	.00	.00	.00	.000
203- 303 DRL- 1		0.0	-.00	.55	-.36	-.03	-.04	.65	-.00	-.00		.00	.00	.000
		3.8	-.00	-1.55	.92	-.03	-.04	.65	-.00	-.00		.00	.00	.000
		7.5	-.00	-3.45	2.21	-.03	-.04	.65	-.00	-.01		.00	.00	.000
		11.3	-.00	-5.32	3.49	-.03	-.04	.65	-.00	-.01		.00	.00	.000
		15.0	-.00	-7.20	4.77	-.03	-.04	.65	-.00	-.01		.00	.00	.001
203- 306 120- 1		0.0	.01	-.06	.50	.00	.00	.05	.00	.01		.00	.00	.000
		8.2	.01	-.01	.21	.00	.00	.05	.00	.00		.00	.00	.000
		16.5	.01	.04	-.09	.00	.00	.05	.00	.00		.00	.00	.000
		24.5	.01	.09	-.38	.00	.00	.05	.00	.01		.00	.00	.000
		32.6	.01	.14	-.67	.00	.00	.05	.00	.01		.00	.00	.001
204- 205 W08- 1		0.0	-.00	.00	-.00	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.00	.00	.00	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		7.3	-.00	.00	.01	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.00	-.00	.01	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		14.5	-.00	-.00	.02	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
204- 206 W18- 1		0.0	-.02	.01	.08	.00	-.00	-.00	-.00	.00	.01	.00	.00	.000
		3.6	-.02	-.00	.02	.00	-.00	-.00	-.00	.00	.00	.00	.00	.000
		7.3	-.02	-.02	-.03	.00	-.00	-.00	-.00	-.00	-.00	.00	.00	.000
		10.9	-.02	-.03	-.09	.00	-.00	-.00	-.00	-.00	-.01	.00	.00	.000
		14.5	-.02	-.05	-.14	.00	-.00	-.00	-.00	-.00	-.01	.00	.00	.001

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306- 406 UNL- 1		0.0	.00	4.84	4.07	.05	-.06	2.61	.00	.01		.00	.00	.000
		7.1	.00	-.50	.21	.05	-.06	2.61	.00	.00		.00	.00	.000
		14.2	.00	-5.84	-3.65	.05	-.06	2.61	.00	.01		.00	.00	.000
		21.4	.00	-11.18	-7.51	.05	-.06	2.61	.00	.02		.00	.00	.001
		28.5	.00	-16.52	-11.36	.05	-.06	2.61	.00	.03		.00	.00	.001
401- 501 JL4- 1		0.0	.79	7.75	4.86	.55	.22	-9.73	.00	.00		.01	.01	.000
		1.1	.79	10.75	-2.61	.55	.22	-9.73	.00	.00		.01	.01	.000
		2.3	.79	13.70	-10.07	.55	.22	-9.73	.00	.01		.01	.01	.000
		3.4	.79	16.68	-17.54	.55	.22	-9.73	.00	.01		.01	.01	.001
		4.6	.79	19.65	-25.01	.55	.22	-9.73	.00	.01		.01	.01	.001
401- 510 P1- 1		0.0	-.75	11.27	-13.84	-.51	-.14	4.07	-.00	-.01		.01	.01	.001
		1.1	-.75	9.31	-6.85	-.51	-.14	4.07	-.00	-.01		.01	.01	.000
		2.3	-.75	7.35	.14	-.51	-.14	4.07	-.00	-.00		.01	.01	.000
		3.4	-.75	5.38	7.14	-.51	-.14	4.07	-.00	-.00		.01	.01	.000
		4.6	-.75	3.42	14.13	-.51	-.14	4.07	-.00	-.01		.01	.01	.000
403- 503 JL4- 1		0.0	28.19	15.88	5.34	-.29	-.06	10.14	.11	.01		.00	.00	.005
		1.1	28.19	15.01	9.27	-.29	-.06	10.14	.11	.01		.00	.00	.005
		2.3	28.19	14.14	13.19	-.29	-.06	10.14	.11	.01		.00	.00	.005
		3.4	28.19	13.28	17.12	-.29	-.06	10.14	.11	.01		.00	.00	.005
		4.6	28.19	12.41	21.04	-.29	-.06	10.14	.11	.01		.00	.00	.005
403- 511 P1- 1		0.0	-28.21	-8.29	18.19	.20	.06	-5.19	-.13	-.01		.00	.00	.006
		1.1	-28.21	-7.51	15.40	.20	.06	-5.19	-.13	-.01		.00	.00	.006
		2.3	-28.21	-6.72	12.60	.20	.06	-5.19	-.13	-.01		.00	.00	.006
		3.4	-28.21	-5.94	9.80	.20	.06	-5.19	-.13	-.01		.00	.00	.006
		4.6	-28.21	-5.15	7.01	.20	.06	-5.19	-.13	-.00		.00	.00	.006
406- 506 JL4- 1		0.0	-28.01	-13.93	-8.07	-.25	.28	7.47	-.11	-.01		.00	.00	.005
		1.1	-28.01	-10.05	-4.68	-.25	.28	7.47	-.11	-.00		.00	.00	.005
		2.3	-28.01	-6.17	-1.29	-.25	.28	7.47	-.11	-.00		.00	.00	.005
		3.4	-28.01	-2.30	2.11	-.25	.28	7.47	-.11	-.00		.00	.00	.005
		4.6	-28.01	1.58	5.50	-.25	.28	7.47	-.11	-.00		.00	.00	.005
406- 512 P1- 1		0.0	28.00	-2.58	-3.57	.29	-.34	-6.76	.13	.00		.01	.01	.006
		1.1	28.00	-7.19	-7.59	.29	-.34	-6.76	.13	.00		.01	.01	.006
		2.3	28.00	-11.79	-11.61	.29	-.34	-6.76	.13	.01		.01	.01	.006
		3.4	28.00	-16.39	-15.63	.29	-.34	-6.76	.13	.01		.01	.01	.006
		4.6	28.00	-20.98	-19.64	.29	-.34	-6.76	.13	.01		.01	.01	.006
501- 502 105- 1		0.0	-.70	1.18	-9.04	-.07	-.00	.24	-.02	-.08		.01	.01	.005
		3.8	-.70	1.10	-5.90	-.07	-.00	.24	-.02	-.05		.01	.01	.004
		7.6	-.70	1.03	-2.76	-.07	-.00	.24	-.02	-.03		.01	.01	.002
		11.4	-.70	.96	.39	-.07	-.00	.24	-.02	-.01		.01	.01	.002
		15.1	-.70	.88	3.53	-.07	-.00	.24	-.02	-.03		.01	.01	.003

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	105- 1	0.0	1.19	.61	-9.38	-.08	-.00	-.67	.04	.08		.01	.01	.005
		3.8	1.19	.63	-5.84	-.08	-.00	-.67	.04	.05		.01	.01	.004
		7.6	1.19	.44	-2.39	-.08	-.00	-.67	.04	.02		.01	.01	.003
		11.4	1.19	.26	1.10	-.08	-.00	-.67	.04	.01		.01	.01	.002
		15.1	1.19	.07	4.60	-.08	-.00	-.67	.04	.04		.01	.01	.004
501- 601	JLS- 1	0.0	1.46	21.97	-16.53	-.93	-.38	-20.06	.01	.02		.02	.02	.001
		1.5	1.46	14.97	.45	-.93	-.38	-20.06	.01	.01		.02	.02	.001
		3.0	1.46	7.96	17.42	-.93	-.38	-20.06	.01	.01		.02	.02	.001
		4.6	1.46	.96	34.40	-.93	-.38	-20.06	.01	.02		.02	.02	.001
		6.1	1.46	-6.05	51.37	-.93	-.38	-20.06	.01	.03		.02	.02	.002
501- 622	200- 1	0.0	-1.34	-2.55	9.78	.09	.04	.44	-.04	-.06		.01	.01	.004
		5.1	-1.34	.07	4.10	.09	.04	.44	-.04	-.02		.01	.01	.003
		10.2	-1.34	2.49	-1.59	.09	.04	.44	-.04	-.02		.01	.01	.002
		15.3	-1.34	4.91	-7.27	.09	.04	.44	-.04	-.05		.01	.01	.004
		20.4	-1.34	7.33	-12.89	.08	.04	.44	-.04	-.08		.01	.01	.005
502- 503	105- 1	0.0	-.81	.63	2.83	.03	.00	.08	-.03	-.03		.00	.00	.003
		3.8	-.81	.69	1.42	.03	.00	.08	-.03	-.01		.00	.00	.002
		7.6	-.81	.95	.01	.03	.00	.08	-.03	-.01		.00	.00	.002
		11.4	-.81	1.02	-1.40	.03	.00	.08	-.03	-.02		.00	.00	.002
		15.1	-.81	1.08	-2.81	.03	.00	.08	-.03	-.03		.00	.00	.003
502- 504	105- 1	0.0	-.04	.09	.55	.01	-.00	.03	-.00	-.02		.00	.00	.001
		3.8	-.04	.02	.31	.01	-.00	.03	-.00	-.01		.00	.00	.001
		7.6	-.04	-.05	.07	.01	-.00	.03	-.00	-.00		.00	.00	.000
		11.4	-.04	-.11	-.18	.01	-.00	.03	-.00	-.01		.00	.00	.000
		15.2	-.04	-.18	-.42	.01	-.00	.03	-.00	-.02		.00	.00	.001
502- 505	105- 1	0.0	.15	.15	.15	-.00	-.00	-.06	.01	.01		.00	.00	.001
		3.8	.15	.09	.19	-.00	-.00	-.06	.01	.01		.00	.00	.001
		7.6	.15	.02	.22	-.00	-.00	-.06	.01	.01		.00	.00	.001
		11.4	.15	-.05	.26	-.00	-.00	-.06	.01	.01		.00	.00	.001
		15.2	.15	-.12	.29	-.00	-.00	-.06	.01	.01		.00	.00	.001
503- 505	105- 1	0.0	-.62	.48	1.59	.00	-.00	.47	-.02	-.01		.00	.00	.002
		3.8	-.62	.28	1.41	.00	-.00	.47	-.02	-.01		.00	.00	.002
		7.6	-.62	.07	1.23	.00	-.00	.47	-.02	-.01		.00	.00	.002
		11.4	-.62	-.13	1.04	.00	-.00	.47	-.02	-.01		.00	.00	.002
		15.1	-.62	-.34	.86	.00	-.00	.47	-.02	-.01		.00	.00	.001
503- 603	JLS- 1	0.0	25.17	-5.50	17.26	.65	.40	19.64	.18	.01		.02	.02	.009
		1.5	25.17	1.85	5.35	.65	.40	19.64	.18	.00		.02	.02	.008
		3.0	25.17	9.21	-6.57	.65	.40	19.64	.18	.01		.02	.02	.008
		4.6	25.17	16.56	-18.48	.65	.40	19.64	.18	.02		.02	.02	.009
		6.1	25.17	23.91	-30.40	.65	.40	19.64	.18	.02		.02	.02	.009

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 625 200- 1		0.0	2.72	12.97	7.71	.04	-.11	1.13	.07	.08		.01	.01	.007
		5.1	2.72	6.59	5.32	.04	-.11	1.13	.07	.05		.01	.01	.005
		10.1	2.72	-.19	2.92	.04	-.11	1.13	.07	.02		.01	.01	.004
		15.2	2.72	-6.77	.52	.04	-.11	1.13	.07	.04		.01	.01	.005
		20.3	2.71	-13.15	-1.87	.04	-.09	1.13	.07	.07		.01	.01	.006
504- 505 105- 1		0.0	-.11	.11	-.14	-.00	-.00	.03	-.01	-.01		.00	.00	.001
		5.8	-.11	.10	.01	-.00	-.00	.03	-.01	-.00		.00	.00	.001
		7.6	-.11	.09	.16	-.00	-.00	.03	-.01	-.01		.00	.00	.001
		11.4	-.11	.08	.31	-.00	-.00	.03	-.01	-.01		.00	.00	.001
		15.2	-.11	.07	.46	-.00	-.00	.03	-.01	-.02		.00	.00	.001
504- 506 165- 1		0.0	1.23	-.13	4.33	.06	-.01	-.73	.04	.04		.01	.01	.004
		5.8	1.23	-.37	1.58	.06	-.01	-.73	.04	.01		.01	.01	.002
		7.6	1.23	-.61	-1.16	.06	-.01	-.73	.04	.01		.01	.01	.002
		11.4	1.23	-.85	-3.91	.06	-.01	-.73	.04	.04		.01	.01	.003
		15.2	1.23	-1.09	-6.65	.06	-.01	-.73	.04	.06		.01	.01	.004
505- 506 165- 1		0.0	-.46	-.46	1.61	.04	-.01	.48	-.02	-.01		.00	.00	.002
		5.8	-.46	-.75	-.21	.04	-.01	.48	-.02	-.01		.00	.00	.001
		7.6	-.46	-1.03	-2.03	.04	-.01	.48	-.02	-.02		.00	.00	.002
		11.4	-.46	-1.62	-3.85	.04	-.01	.48	-.02	-.04		.00	.00	.002
		15.2	-.46	-1.60	-5.67	.04	-.01	.48	-.02	-.05		.00	.00	.003
506- 606 JL5- 1		0.0	-27.04	-7.25	-5.04	.14	-.39	3.99	-.19	-.01		.01	.01	.009
		1.5	-27.04	-14.38	-7.56	.14	-.39	3.99	-.19	-.01		.01	.01	.009
		3.0	-27.04	-21.51	-10.08	.14	-.39	3.99	-.19	-.01		.01	.01	.009
		4.6	-27.04	-28.64	-12.61	.14	-.39	3.99	-.19	-.02		.01	.01	.010
		6.1	-27.04	-35.77	-15.13	.14	-.39	3.99	-.19	-.02		.01	.01	.010
506- 624 200- 1		0.0	-1.78	.89	-18.42	-.14	-.01	-1.38	-.05	-.10		.01	.01	.007
		5.1	-1.78	.35	-9.47	-.14	-.01	-1.38	-.05	-.06		.01	.01	.005
		10.1	-1.78	-.24	-1.52	-.14	-.01	-1.38	-.05	-.01		.01	.01	.003
		15.2	-1.78	-.81	6.92	-.14	-.01	-1.38	-.05	-.04		.01	.01	.004
		20.2	-1.77	-1.18	14.85	-.11	.00	-1.38	-.05	-.08		.01	.01	.006
510- 710 P1- 1		0.0	-.76	3.53	14.15	-.57	-.17	4.07	-.00	-.01		.01	.01	.000
		6.3	-.76	-9.75	57.33	-.57	-.17	4.07	-.00	-.03		.01	.01	.001
		12.7	-.76	-22.82	100.52	-.57	-.17	4.07	-.00	-.05		.01	.01	.002
		19.0	-.76	-35.90	143.70	-.57	-.17	4.07	-.00	-.07		.01	.01	.003
		25.3	-.76	-48.98	186.88	-.57	-.17	4.07	-.00	-.09		.01	.01	.004
511- 711 P1- 1		0.0	-28.22	-5.11	7.04	.56	.52	-5.19	-.13	-.00		.01	.01	.006
		6.3	-28.22	34.35	-35.34	.56	.52	-5.19	-.13	-.02		.01	.01	.007
		12.7	-28.22	73.84	-77.71	.56	.52	-5.19	-.13	-.05		.01	.01	.008
		19.0	-28.22	113.37	-120.09	.56	.52	-5.19	-.13	-.08		.01	.01	.009
		25.3	-28.22	152.86	-162.46	.56	.52	-5.19	-.13	-.10		.01	.01	.011

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO, 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
512- 712	M1- 1	0.0	28.00	-20.98	-19.64	-.06	-.28	-6.77	.13	.01		.00	.00	.006
		6.3	28.00	-42.53	-15.02	-.06	-.28	-6.77	.13	.02		.00	.00	.007
		12.7	28.00	-64.07	-10.40	-.06	-.28	-6.77	.13	.03		.00	.00	.007
		19.0	28.00	-85.61	-5.78	-.06	-.28	-6.77	.13	.04		.00	.00	.008
		25.3	28.00	-107.15	-1.16	-.06	-.28	-6.77	.13	.05		.00	.00	.008
601- 621	JL6- 1	0.0	1.39	-7.43	49.74	-.78	-.27	-20.31	.01	.03		.02	.02	.002
		1.5	1.39	-12.27	64.03	-.78	-.27	-20.31	.01	.04		.02	.02	.002
		3.0	1.39	-17.12	78.31	-.78	-.27	-20.31	.01	.05		.02	.02	.003
		4.6	1.39	-21.96	92.60	-.78	-.27	-20.31	.01	.06		.02	.02	.003
		6.1	1.39	-26.79	106.65	-.73	-.26	-20.31	.01	.07		.02	.02	.003
603- 623	JL6- 1	0.0	25.06	21.96	-26.32	.57	.46	22.35	.18	.02		.02	.02	.009
		1.5	25.06	30.36	-36.79	.57	.46	22.35	.18	.03		.02	.02	.009
		3.0	25.06	38.75	-47.25	.57	.46	22.35	.18	.04		.02	.02	.010
		4.6	25.06	47.15	-57.72	.57	.46	22.35	.18	.05		.02	.02	.010
		6.1	25.05	55.41	-68.10	.60	.50	22.35	.18	.06		.02	.02	.010
606- 626	JL6- 1	0.0	-27.04	-35.77	-15.12	.14	-.48	4.04	-.19	-.02		.01	.01	.010
		1.5	-27.04	-44.49	-17.65	.14	-.48	4.04	-.19	-.03		.01	.01	.010
		3.0	-27.04	-53.22	-20.17	.14	-.48	4.04	-.19	-.04		.01	.01	.010
		4.6	-27.05	-61.75	-22.58	.11	-.43	4.04	-.19	-.04		.01	.01	.011
		6.1	-27.09	-68.92	-24.18	.04	-.30	4.04	-.19	-.05		.01	.01	.011
621- 651	JL6- 1	0.0	1.40	-26.29	106.74	-.73	-.26	-26.44	.01	.07		.02	.02	.003
		1.5	1.40	-30.99	117.99	-.50	-.26	-26.44	.01	.08		.02	.02	.004
		3.0	1.40	-35.62	125.19	-.29	-.25	-26.44	.01	.08		.01	.01	.004
		4.6	1.40	-40.23	128.53	-.08	-.25	-26.44	.01	.08		.01	.01	.004
		6.1	1.40	-44.77	128.13	.12	-.25	-26.44	.01	.09		.01	.01	.004
622- 703	200- 1	0.0	-1.34	7.34	-12.88	.08	.02	.59	-.04	-.08		.01	.01	.005
		5.4	-1.31	7.35	-14.78	-.03	-.02	.59	-.03	-.09		.00	.00	.006
		10.9	-1.29	4.16	-9.59	-.13	-.08	.59	-.03	-.06		.01	.01	.004
		16.3	-1.30	-3.20	2.59	-.24	-.15	.59	-.03	-.02		.02	.02	.003
		21.8	-1.32	-15.72	21.66	-.34	-.23	.59	-.03	-.15		.02	.02	.008
623- 653	JL6- 1	0.0	25.06	55.66	-67.88	.55	.50	22.49	.18	.06		.02	.02	.010
		1.5	25.01	63.66	-76.97	.45	.36	22.49	.17	.06		.02	.02	.011
		3.0	24.95	66.92	-84.25	.35	.22	22.49	.17	.07		.01	.01	.011
		4.6	24.91	71.70	-89.82	.26	.09	22.49	.17	.07		.01	.01	.011
		6.1	24.86	72.07	-93.81	.18	-.05	22.49	.17	.07		.01	.01	.011
624- 701	200- 1	0.0	-1.77	-1.18	14.85	-.11	.00	-1.38	-.05	-.08		.01	.01	.006
		5.5	-1.75	-.78	18.22	.01	.01	-1.38	-.05	-.10		.00	.00	.007
		11.0	-1.74	.20	15.57	.13	.02	-1.38	-.05	-.08		.01	.01	.006
		16.5	-1.73	1.76	.93	.25	.03	-1.38	-.05	-.01		.02	.02	.003
		21.9	-1.74	3.55	-18.86	.34	.02	-1.38	-.05	-.11		.02	.02	.007

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LOAD CONDITION NO. 2

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
625- 706 200- 1		0.0	2.71	-13.15	-1.88	.04	-.09	1.12	.07	.07		.01	.01	.006
		5.5	2.71	-14.91	-3.57	.01	.04	1.12	.07	.09		.01	.01	.007
		11.0	2.71	-8.73	-3.63	-.01	.15	1.12	.07	.05		.01	.01	.006
		16.4	2.73	4.68	-2.08	-.04	.26	1.12	.07	.03		.02	.02	.005
		21.9	2.75	24.59	1.10	-.06	.35	1.12	.07	.14		.02	.02	.009
626- 656 JL6- 1		0.0	-27.08	-68.77	-24.14	.06	-.29	4.00	-.19	-.05		.01	.01	.011
		1.5	-27.03	-72.78	-24.29	-.04	-.15	4.00	-.19	-.05		.00	.00	.011
		3.0	-26.97	-74.14	-22.65	-.14	-.00	4.00	-.19	-.05		.00	.00	.011
		4.6	-26.92	-72.87	-19.31	-.23	.14	4.00	-.19	-.05		.01	.01	.011
		6.1	-26.86	-69.07	-14.31	-.32	.28	4.00	-.19	-.04		.01	.01	.011
651- 701 JL6- 1		0.0	1.58	-44.26	127.89	1.10	-.05	-38.29	.01	.09		.03	.03	.004
		1.8	1.58	-45.44	102.17	1.32	-.06	-38.29	.01	.07		.03	.03	.003
		3.5	1.58	-46.70	71.71	1.54	-.06	-38.29	.01	.05		.03	.03	.003
		5.3	1.58	-48.06	36.56	1.76	-.07	-38.29	.01	.04		.04	.04	.002
		7.1	1.58	-49.56	-3.07	1.96	-.08	-38.29	.01	.03		.04	.04	.002
653- 703 JL6- 1		0.0	26.47	81.60	-102.69	-.51	-.30	25.78	.19	.08		.02	.02	.012
		1.8	26.47	73.10	-90.80	-.61	-.50	25.78	.19	.07		.02	.02	.012
		3.5	26.48	60.53	-76.83	-.71	-.68	25.78	.19	.06		.02	.02	.011
		5.3	26.48	44.03	-60.75	-.80	-.87	25.78	.19	.05		.02	.02	.011
		7.1	26.49	23.72	-42.67	-.89	-1.04	25.78	.19	.03		.03	.03	.010
656- 706 JL6- 1		0.0	-26.86	-69.07	-14.32	-.32	.29	3.99	-.19	-.04		.01	.01	.011
		1.8	-26.88	-60.87	-6.38	-.43	.48	3.99	-.19	-.04		.01	.01	.010
		3.5	-26.89	-48.62	3.82	-.53	.67	3.99	-.19	-.03		.01	.01	.010
		5.3	-26.90	-32.55	16.25	-.63	.84	3.99	-.19	-.02		.02	.02	.010
		7.1	-26.90	-12.77	30.77	-.73	1.01	3.99	-.19	-.02		.02	.02	.010
701- 702 157- 1		0.0	-2.86	1.30	-3.07	.04	-.02	.96	-.15	-.06		.01	.01	.012
		4.7	-2.86	.43	-4.26	-.00	-.02	.96	-.15	-.08		.01	.01	.013
		9.4	-2.86	-.45	-2.80	-.05	-.02	.96	-.15	-.05		.01	.01	.012
		14.1	-2.86	-1.33	1.29	-.10	-.02	.96	-.15	-.03		.02	.02	.011
		18.8	-2.86	-2.20	8.02	-.14	-.02	.96	-.15	-.15		.02	.02	.016
701- 704 157- 1		0.0	.36	13.27	-4.64	.01	-.13	.74	.02	.25		.02	.02	.011
		4.7	.34	6.02	-4.31	-.02	-.12	.74	.02	.13		.02	.02	.006
		9.4	.33	-.56	-2.27	-.05	-.11	.74	.02	.04		.02	.02	.003
		14.1	.32	-5.83	.91	-.08	-.08	.74	.02	.10		.02	.02	.005
		18.8	.32	-9.12	4.67	-.07	-.04	.74	.02	.18		.01	.01	.008
701- 801 JL7- 1		0.0	-2.32	-14.69	16.99	-1.15	.11	-6.91	-.03	-.03		.04	.04	.003
		7.1	-2.33	-6.54	83.09	-.44	.08	-6.91	-.03	-.11		.02	.02	.006
		14.2	-2.33	-.77	93.27	.18	.06	-6.91	-.03	-.12		.01	.01	.007
		21.3	-2.33	4.75	54.74	.71	.08	-6.91	-.03	-.07		.02	.02	.005
		28.4	-2.32	12.17	-25.29	1.16	.09	-6.91	-.03	-.04		.04	.04	.003

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MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
701- 806	200- 1	0.0	4.51	25.91	25.76	.33	-.28	.68	.12	.20		.02	.02	.014
		12.5	4.49	-5.40	-10.65	.16	-.14	.68	.12	.07		.01	.01	.008
		25.1	4.46	-16.40	-21.70	-.01	-.01	.68	.12	.15		.00	.00	.012
		37.6	4.44	-7.09	-7.41	-.18	.13	.68	.12	.06		.01	.01	.008
		50.2	4.41	22.53	32.24	-.35	.26	.68	.12	.22		.02	.02	.015
702- 703	137- 1	0.0	-3.03	-.84	5.57	.12	.01	-1.06	-.16	-.10		.02	.02	.015
		4.7	-3.03	-.13	.11	.07	.01	-1.06	-.16	-.00		.02	.02	.011
		9.4	-3.03	.58	-2.72	.03	.01	-1.06	-.16	-.05		.01	.01	.013
		14.1	-3.03	1.29	-2.90	-.02	.01	-1.06	-.16	-.06		.01	.01	.013
		18.8	-3.03	2.00	-.45	-.07	.01	-1.06	-.16	-.04		.02	.02	.012
702- 704	107- 1	0.0	.07	2.38	-.23	-.00	-.02	.14	.01	.08		.01	.01	.004
		4.7	.07	1.09	-.22	-.00	-.02	.14	.01	.04		.01	.01	.002
		9.4	.07	-.20	-.21	-.00	-.02	.14	.01	.01		.01	.01	.001
		14.1	.07	-1.48	-.20	-.00	-.02	.14	.01	.05		.01	.01	.002
		18.8	.07	-2.00	-.19	-.00	.01	.14	.01	.07		.00	.00	.003
702- 705	107- 1	0.0	.28	.01	2.68	.08	-.01	.06	.02	.09		.01	.01	.005
		4.7	.25	-.29	-.67	.04	-.01	.06	.02	.02		.01	.01	.002
		9.4	.23	-.59	-1.73	-.00	-.01	.06	.02	.06		.00	.00	.003
		14.1	.21	-.88	-.51	-.04	-.01	.06	.02	.03		.01	.01	.002
		18.8	.18	-1.18	2.99	-.08	-.01	.06	.02	.11		.01	.01	.005
703- 705	137- 1	0.0	2.00	3.87	5.43	.04	-.03	.85	.10	.12		.01	.01	.010
		4.7	2.00	2.39	2.96	.04	-.03	.85	.10	.07		.01	.01	.008
		9.4	2.00	.92	.48	.04	-.03	.85	.10	.02		.01	.01	.006
		14.1	2.00	-.56	-1.99	.04	-.03	.85	.10	.04		.01	.01	.006
		18.8	2.00	-2.03	-4.46	.04	-.03	.85	.10	.09		.01	.01	.008
703- 801	200- 1	0.0	4.55	2.81	-26.92	-.34	-.01	-.34	.12	.15		.02	.02	.012
		12.5	4.54	1.33	7.89	-.14	-.01	-.34	.12	.04		.01	.01	.007
		25.1	4.54	-.91	18.45	-.01	-.02	-.34	.12	.10		.00	.00	.010
		37.6	4.53	-3.74	10.09	.12	-.02	-.34	.12	.06		.01	.01	.008
		50.2	4.52	-7.16	-17.11	.24	-.02	-.34	.12	.10		.01	.01	.010
703- 803	JL7- 1	0.0	23.47	20.65	-44.18	.58	.92	-8.17	.33	.06		.03	.03	.018
		7.1	23.45	75.92	-61.89	.04	.58	-8.17	.33	.12		.01	.01	.021
		14.2	23.44	81.59	-53.13	-.24	-.16	-8.17	.33	.12		.01	.01	.021
		21.3	23.43	48.22	-22.45	-.47	-.62	-8.17	.33	.07		.03	.03	.018
		28.4	23.44	-22.45	27.08	-.69	-1.03	-8.17	.33	.04		.04	.04	.017
704- 705	107- 1	0.0	-.22	-.01	4.00	.10	-.05	-.21	-.02	-.13		.02	.02	.007
		4.7	-.22	-1.57	-.20	.05	-.01	-.21	-.02	-.05		.01	.01	.003
		9.4	-.22	-1.15	-1.76	.00	.02	-.21	-.02	-.07		.01	.01	.004
		14.1	-.22	.54	-.69	-.04	.04	-.21	-.02	-.03		.01	.01	.002
		18.8	-.22	2.99	3.03	-.09	.04	-.21	-.02	-.14		.02	.02	.007

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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLN 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706 137- 1		0.0	.55	-10.05	.48	.01	.02	-.82	.03	.18		.01	.01	.009
		4.7	.55	-7.58	.06	.01	.07	-.82	.03	.13		.01	.01	.007
		9.4	.55	-2.46	-.36	.01	.11	-.82	.03	.04		.02	.02	.003
		14.1	.55	5.30	-.77	.01	.16	-.82	.03	.09		.02	.02	.005
		18.8	.55	15.70	-1.19	.01	.21	-.82	.03	.28		.03	.03	.013
705- 706 137- 1		0.0	2.35	-4.25	1.56	.02	.01	-.58	.12	.08		.01	.01	.009
		4.7	2.35	-3.41	.61	.02	.02	-.58	.12	.06		.01	.01	.008
		9.4	2.35	-1.90	-.35	.02	.04	-.58	.12	.03		.01	.01	.007
		14.1	2.35	.42	-1.30	.02	.07	-.58	.12	.03		.01	.01	.007
		18.8	2.35	5.75	-2.25	.02	.11	-.58	.12	.11		.02	.02	.010
706- 803 200- 1		0.0	-8.18	-10.12	6.01	.02	.06	.02	-.21	-.07		.00.	.00	.016
		12.5	-8.18	-.37	2.99	.02	.06	.02	-.21	-.02		.00	.00	.014
		25.1	-8.18	8.79	-.03	.02	.05	.02	-.21	-.05		.00	.00	.015
		37.6	-8.11	10.13	-3.05	.02	-.04	.02	-.21	-.06		.00	.00	.015
		50.2	-8.04	-5.60	-6.07	.02	-.14	.02	-.21	-.04		.01	.01	.015
706- 806 JL7- 1		0.0	-21.49	16.70	32.77	.08	-1.11	12.62	-.30	-.05		.04	.04	.017
		7.1	-21.46	-52.10	-10.81	.35	-.52	12.62	-.30	-.07		.03	.03	.018
		14.2	-21.45	-74.99	-28.71	.08	-.03	12.62	-.30	-.10		.01	.01	.019
		21.3	-21.45	-58.12	-25.45	-.15	.41	12.62	-.30	-.08		.02	.02	.018
		28.4	-21.46	-5.98	-3.79	-.36	.80	12.62	-.30	-.01		.03	.03	.015
710- 810 P2- 1		0.0	-.76	-48.70	186.95	.20	.21	4.01	-.00	-.08		.00	.00	.004
		7.1	-.76	-31.20	170.26	.20	.21	4.01	-.00	-.07		.00	.00	.003
		14.2	-.76	-13.70	153.56	.20	.21	4.01	-.00	-.06		.00	.00	.003
		21.3	-.76	3.79	136.87	.20	.21	4.01	-.00	-.06		.00	.00	.003
		28.4	-.76	21.29	120.17	.20	.21	4.01	-.00	-.05		.00	.00	.002
711- 811 P2- 1		0.0	-28.21	155.10	-162.24	-.37	-.12	-5.09	-.11	-.09		.00	.00	.009
		7.1	-28.21	142.82	-130.44	-.37	-.12	-5.09	-.11	-.08		.00	.00	.009
		14.2	-28.21	132.54	-98.64	-.37	-.12	-5.09	-.11	-.07		.00	.00	.008
		21.3	-28.21	122.26	-66.84	-.37	-.12	-5.09	-.11	-.06		.00	.00	.008
		28.4	-28.21	111.98	-35.04	-.37	-.12	-5.09	-.11	-.05		.00	.00	.008
712- 812 P2- 1		0.0	28.00	-107.15	-1.16	.23	-.07	-6.77	.11	.04		.00	.00	.007
		7.1	28.00	-112.85	-20.90	.23	-.07	-6.77	.11	.05		.00	.00	.007
		14.2	28.00	-118.51	-40.63	.23	-.07	-6.77	.11	.05		.00	.00	.007
		21.3	28.00	-124.18	-60.37	.23	-.07	-6.77	.11	.06		.00	.00	.008
		28.4	28.00	-129.86	-80.11	.23	-.07	-6.77	.11	.06		.00	.00	.008
801- 802 148- 1		0.0	-.35	-1.61	-8.28	-.04	.00	.33	-.02	-.12		.01	.01	.006
		5.7	-.35	-1.28	-5.37	-.04	.00	.33	-.02	-.08		.01	.01	.005
		11.4	-.35	-.96	-2.46	-.04	.00	.33	-.02	-.04		.01	.01	.003
		17.1	-.35	-.63	.45	-.04	.00	.33	-.02	-.01		.01	.01	.002
		22.8	-.35	-.30	3.36	-.04	.00	.33	-.02	-.05		.01	.01	.003

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804 148- 1		0.0	2.14	1.94	-8.54	-.05	-.01	.65	.10	.13		.01	.01	.010
		5.7	2.14	1.41	-5.30	-.05	-.01	.65	.10	.08		.01	.01	.008
		11.4	2.14	.89	-2.06	-.05	-.01	.65	.10	.03		.01	.01	.006
		17.1	2.14	.36	1.18	-.05	-.01	.65	.10	.02		.01	.01	.005
		22.8	2.14	-.16	4.42	-.05	-.01	.65	.10	.06		.01	.01	.007
801- 901 JL8- 1		0.0	3.29	6.16	-17.90	-.75	-.00	11.13	.05	.02		.03	.03	.003
		8.1	3.29	5.90	33.79	-.52	-.01	11.13	.05	.04		.02	.02	.004
		16.2	3.29	4.40	47.15	.04	-.03	11.13	.05	.06		.01	.01	.005
		24.3	3.29	.66	25.26	.40	-.05	11.13	.05	.03		.02	.02	.004
		32.4	3.29	-3.65	-29.48	.72	-.04	11.13	.05	.04		.03	.03	.004
801- 903 200- 1		0.0	-5.65	-3.27	23.68	.27	.02	1.07	-.15	-.13		.02	.02	.016
		14.9	-5.66	-.70	-12.07	.13	.01	1.07	-.15	-.07		.01	.01	.013
		29.8	-5.66	1.10	-21.22	-.02	.01	1.07	-.15	-.12		.00	.00	.015
		44.7	-5.67	2.14	-3.88	-.17	.00	1.07	-.15	-.02		.01	.01	.011
		59.6	-5.67	2.65	32.43	-.22	.00	1.07	-.15	-.18		.01	.01	.018
802- 803 148- 1		0.0	-.42	-.33	2.40	.02	.01	-.75	-.02	-.03		.01	.01	.003
		5.7	-.42	.33	1.08	.02	.01	-.75	-.02	-.02		.01	.01	.002
		11.4	-.42	1.00	-.24	.02	.01	-.75	-.02	-.01		.01	.01	.002
		17.1	-.42	1.66	-1.55	.02	.01	-.75	-.02	-.03		.01	.01	.003
		22.8	-.42	2.32	-2.87	.02	.01	-.75	-.02	-.05		.01	.01	.004
802- 804 108- 1		0.0	-.03	.53	.70	.00	-.00	-.26	-.00	-.03		.01	.01	.001
		5.7	-.03	.31	.42	.00	-.00	-.26	-.00	-.02		.01	.01	.001
		11.4	-.03	.10	.13	.00	-.00	-.26	-.00	-.01		.01	.01	.000
		17.1	-.03	-.11	-.15	.00	-.00	-.26	-.00	-.01		.01	.01	.000
		22.8	-.03	-.32	-.43	.00	-.00	-.26	-.00	-.02		.01	.01	.001
802- 805 108- 1		0.0	.10	.46	.26	-.00	-.00	.19	.01	.02		.00	.00	.001
		5.7	.10	.34	.50	-.00	-.00	.19	.01	.02		.00	.00	.001
		11.4	.10	.22	.34	-.00	-.00	.19	.01	.01		.00	.00	.001
		17.1	.10	.09	.38	-.00	-.00	.19	.01	.01		.00	.00	.001
		22.8	.10	-.03	.41	-.00	-.00	.19	.01	.01		.00	.00	.001
803- 805 148- 1		0.0	-1.66	4.35	1.54	.00	-.02	.15	-.08	-.07		.00	.00	.008
		5.7	-1.66	3.30	1.39	.00	-.02	.15	-.08	-.05		.00	.00	.008
		11.4	-1.66	2.25	1.25	.00	-.02	.15	-.08	-.04		.00	.00	.007
		17.1	-1.66	1.20	1.11	.00	-.02	.15	-.08	-.02		.00	.00	.007
		22.8	-1.66	.14	.97	.00	-.02	.15	-.08	-.01		.00	.00	.006
803- 903 JL8- 1		0.0	13.45	-12.16	19.70	.34	.59	5.47	.19	.03		.02	.02	.010
		8.1	13.47	25.62	-6.96	.17	.20	5.47	.19	.03		.01	.01	.010
		16.2	13.48	30.19	-13.62	-.02	-.10	5.47	.19	.04		.01	.01	.011
		24.3	13.45	6.98	-4.23	-.16	-.37	5.47	.19	.01		.01	.01	.009
		32.4	13.41	-40.44	16.06	-.25	-.60	5.47	.19	.06		.02	.02	.011

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

U.S. NAVY - ACRR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE Fx KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
803- 906	200- 1	0.0	10.51	8.55	6.01	.02	-.03	-.24	.28	.06		.00	.00	.015
		14.9	10.51	3.97	3.13	.02	-.03	-.24	.28	.03		.00	.00	.014
		29.8	10.51	-.62	.25	.02	-.03	-.24	.28	.00		.00	.00	.013
		44.7	10.51	-5.21	-2.65	.02	-.03	-.24	.28	.03		.00	.00	.014
		59.6	10.51	-9.79	-5.51	.02	-.03	-.24	.28	.06		.00	.00	.015
804- 805	108- 1	0.0	-.07	-.58	-.29	-.00	.00	.04	-.01	-.02		.00	.00	.001
		5.7	-.07	-.45	-.04	-.00	.00	.04	-.01	-.02		.00	.00	.001
		11.4	-.07	-.33	.20	-.00	.00	.04	-.01	-.01		.00	.00	.001
		17.1	-.07	-.21	.45	-.00	.00	.04	-.01	-.02		.00	.00	.001
		22.8	-.07	-.08	.70	-.00	.00	.04	-.01	-.02		.00	.00	.001
804- 806	148- 1	0.0	2.16	.15	4.28	.04	-.01	-.28	.10	.06		.01	.01	.007
		5.7	2.16	-.71	1.53	.04	-.01	-.28	.10	.02		.01	.01	.006
		11.4	2.16	-1.57	-1.22	.04	-.01	-.28	.10	.03		.01	.01	.006
		17.1	2.16	-2.43	-3.97	.04	-.01	-.28	.10	.07		.01	.01	.008
		22.8	2.16	-3.29	-6.73	.04	-.01	-.28	.10	.11		.01	.01	.009
805- 806	148- 1	0.0	-1.57	.37	2.08	.03	-.02	.32	-.07	-.03		.01	.01	.007
		5.7	-1.57	-.68	.12	.03	-.02	.32	-.07	-.01		.01	.01	.006
		11.4	-1.57	-1.73	-1.85	.03	-.02	.32	-.07	-.04		.01	.01	.007
		17.1	-1.57	-2.78	-3.79	.03	-.02	.32	-.07	-.07		.01	.01	.008
		22.8	-1.57	-3.82	-5.74	.03	-.02	.32	-.07	-.10		.01	.01	.009
806- 901	200- 1	0.0	-5.87	2.65	-23.00	-.24	-.07	-.58	-.15	-.13		.01	.01	.016
		14.9	-5.80	-5.18	9.03	-.12	-.02	-.58	-.15	-.06		.01	.01	.013
		29.8	-5.73	-5.21	18.75	.01	.02	-.58	-.15	-.11		.00	.00	.015
		44.7	-5.66	2.52	6.20	.13	.06	-.58	-.15	-.04		.01	.01	.012
		59.6	-5.64	15.82	-22.26	.17	.08	-.58	-.15	-.15		.01	.01	.016
806- 906	JL8- 1	0.0	-16.16	11.32	-4.28	.56	-.60	-20.91	-.23	-.02		.03	.03	.012
		8.1	-16.18	-27.73	-28.13	.14	-.21	-20.91	-.23	-.05		.02	.02	.013
		16.2	-16.21	-32.40	-33.93	-.02	.11	-20.91	-.23	-.06		.02	.02	.014
		24.3	-16.24	-8.50	-23.92	-.18	.37	-20.91	-.23	-.03		.03	.03	.013
		32.4	-16.23	39.95	1.87	-.55	.62	-20.91	-.23	-.05		.03	.03	.013
810- 910	P2- 1	0.0	-.75	21.16	120.19	.32	.01	4.10	-.00	-.05		.00	.00	.002
		8.1	-.76	22.40	88.57	.32	.01	4.10	-.00	-.04		.00	.00	.002
		16.2	-.76	23.64	56.96	.32	.01	4.10	-.00	-.03		.00	.00	.001
		24.3	-.76	24.88	25.34	.32	.01	4.10	-.00	-.01		.00	.00	.001
		32.4	-.76	26.12	-6.28	.32	.01	4.10	-.00	-.01		.00	.00	.001
811- 911	P2- 1	0.0	-28.21	111.94	-55.16	-.23	-.47	-5.13	-.11	-.05		.01	.01	.008
		8.1	-28.21	66.05	-12.77	-.23	-.47	-5.13	-.11	-.03		.01	.01	.007
		16.2	-28.21	20.16	9.61	-.23	-.47	-5.13	-.11	-.01		.01	.01	.006
		24.3	-28.21	-25.73	32.00	-.23	-.47	-5.13	-.11	-.02		.01	.01	.006
		32.4	-28.21	-71.62	54.39	-.23	-.47	-5.13	-.11	-.04		.01	.01	.007

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
812- 912	M2- 1	0.0	28.00	-129.86	-80.11	-.07	.46	-6.81	.11	.06		.01	.01	.008
		8.1	28.00	-85.55	-72.95	-.07	.46	-6.81	.11	.05		.01	.01	.007
		16.2	28.00	-40.79	-65.79	-.07	.46	-6.81	.11	.03		.01	.01	.007
		24.3	28.00	3.74	-58.63	-.07	.46	-6.81	.11	.02		.01	.01	.006
		32.4	28.00	48.28	-51.47	-.07	.46	-6.81	.11	.03		.01	.01	.006
901- 902	169- 1	0.0	.98	-2.38	-7.94	-.03	.01	.57	.04	.09		.01	.01	.006
		6.9	.98	-1.85	-5.20	-.03	.01	.57	.04	.06		.01	.01	.004
		13.7	.98	-1.32	-2.46	-.03	.01	.57	.04	.03		.01	.01	.003
		20.6	.98	-.79	.28	-.03	.01	.57	.04	.01		.01	.01	.002
		27.4	.98	-.26	3.02	-.03	.01	.57	.04	.03		.01	.01	.003
901- 904	169- 1	0.0	2.82	2.14	-7.89	-.04	-.01	.57	.12	.09		.01	.01	.009
		6.9	2.82	1.68	-4.88	-.04	-.01	.57	.12	.06		.01	.01	.008
		13.7	2.82	1.21	-1.87	-.04	-.01	.57	.12	.02		.01	.01	.006
		20.6	2.82	.75	1.14	-.04	-.01	.57	.12	.01		.01	.01	.006
		27.4	2.82	.29	4.15	-.04	-.01	.57	.12	.05		.01	.01	.007
901-1001	JL9- 1	0.0	-.05	13.53	-33.20	-.62	-.04	6.51	-.00	-.05		.02	.02	.002
		8.1	-.05	10.62	13.20	-.55	-.02	6.51	-.00	-.02		.01	.01	.001
		16.2	-.05	9.26	31.34	-.05	-.01	6.51	-.00	-.04		.01	.01	.002
		24.3	-.05	6.52	23.06	.21	-.05	6.51	-.00	-.03		.01	.01	.001
		32.4	-.06	-1.51	-9.79	.46	-.10	6.51	-.00	-.01		.02	.02	.001
901-1002	180- 1	0.0	-4.41	-1.29	-4.65	-.01	.00	1.14	-.16	-.04		.01	.01	.011
		10.6	-4.41	-1.13	-2.89	-.01	.00	1.14	-.16	-.03		.01	.01	.011
		21.1	-4.41	-.97	-1.14	-.01	.00	1.14	-.16	-.01		.01	.01	.010
		31.7	-4.41	-.82	.61	-.01	.00	1.14	-.16	-.01		.01	.01	.010
		42.2	-4.41	-.66	2.36	-.01	.00	1.14	-.16	-.02		.01	.01	.010
901-1004	180- 1	0.0	4.65	-.85	-5.16	-.01	.01	.92	.17	.03		.00	.00	.009
		10.6	4.65	.02	-2.20	-.01	.01	.92	.17	.02		.00	.00	.009
		21.1	4.65	.90	-1.25	-.01	.01	.92	.17	.01		.00	.00	.008
		31.7	4.65	1.77	-.29	-.01	.01	.92	.17	.02		.00	.00	.008
		42.2	4.65	2.65	.66	-.01	.01	.92	.17	.02		.00	.00	.009
902- 903	169- 1	0.0	.94	-.42	2.30	.02	.01	-.45	.04	.03		.00	.00	.003
		6.9	.94	.45	.75	.02	.01	-.45	.04	.01		.00	.00	.002
		13.7	.94	1.33	-.81	.02	.01	-.45	.04	.02		.00	.00	.002
		20.6	.94	2.20	-2.36	.02	.01	-.45	.04	.04		.00	.00	.003
		27.4	.94	3.08	-3.91	.02	.01	-.45	.04	.05		.00	.00	.004
902- 904	109- 1	0.0	-.02	.45	.49	.00	-.00	-.26	-.00	.02		.00	.00	.001
		6.9	-.02	.22	.31	.00	-.00	-.26	-.00	-.01		.00	.00	.001
		13.7	-.02	-.01	.13	.00	-.00	-.26	-.00	-.00		.00	.00	.000
		20.6	-.02	-.24	-.05	.00	-.00	-.26	-.00	-.01		.00	.00	.000
		27.4	-.02	-.47	-.23	.00	-.00	-.26	-.00	-.02		.00	.00	.001

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	CUMM. UNITY CHECK
902- 905 109- 1		0.0	.07	.52	.23	-.00	-.00	.12	.01	.02		.00	.00	.001
		6.9	.07	.40	.24	-.00	-.00	.12	.01	.02		.00	.00	.001
		13.7	.07	.28	.24	-.00	-.00	.12	.01	.01		.00	.00	.001
		20.6	.07	.16	.25	-.00	-.00	.12	.01	.01		.00	.00	.001
		27.4	.07	.05	.26	-.00	-.00	.12	.01	.01		.00	.00	.001
903- 905 169- 1		0.0	-3.55	4.88	2.61	.00	-.02	.07	-.15	-.06		.00	.00	.013
		6.9	-3.55	3.63	2.26	.00	-.02	.07	-.15	-.05		.00	.00	.013
		13.7	-3.55	2.37	1.92	.00	-.02	.07	-.15	-.03		.00	.00	.012
		20.6	-3.55	1.11	1.57	.00	-.02	.07	-.15	-.02		.00	.00	.012
		27.4	-3.55	-.15	1.22	.00	-.02	.07	-.15	-.01		.00	.00	.011
903-1002 180- 1		0.0	4.46	.25	1.51	.00	.00	-.80	.16	.01		.00	.00	.008
		10.6	4.46	.61	1.11	.00	.00	-.80	.16	.01		.00	.00	.008
		21.1	4.46	.96	.71	.00	.00	-.80	.16	.01		.00	.00	.008
		31.7	4.46	1.32	.31	.00	.00	-.80	.16	.01		.00	.00	.008
		42.2	4.46	1.67	-.09	.00	.00	-.80	.16	.01		.00	.00	.008
903-1003 JL9- 1		0.0	.99	-36.03	35.02	.26	.40	-7.63	.01	.06		.02	.02	.003
		8.1	.96	-6.66	13.48	.18	.21	-7.63	.01	.02		.01	.01	.001
		16.2	.93	6.24	.52	.08	.06	-7.63	.01	.01		.01	.01	.001
		24.3	.91	4.58	-2.74	-.02	-.09	-7.63	.01	.01		.01	.01	.001
		32.4	.88	-11.00	5.71	-.12	-.24	-7.63	.01	.02		.01	.01	.001
903-1005 180- 1		0.0	8.12	2.80	2.98	.01	-.00	-.92	.30	.03		.00	.00	.015
		10.6	8.12	2.26	1.96	.01	-.00	-.92	.30	.03		.00	.00	.015
		21.1	8.12	1.71	.94	.01	-.00	-.92	.30	.02		.00	.00	.014
		31.7	8.12	1.17	-.08	.01	-.00	-.92	.30	.01		.00	.00	.014
		42.2	8.12	.63	-1.10	.01	-.00	-.92	.30	.01		.00	.00	.014
904- 905 109- 1		0.0	-.06	-.53	-.29	-.00	.00	.13	-.00	-.02		.00	.00	.001
		6.9	-.06	-.40	-.09	-.00	.00	.13	-.00	-.01		.00	.00	.001
		13.7	-.06	-.27	.11	-.00	.00	.13	-.00	-.01		.00	.00	.001
		20.6	-.06	-.14	.32	-.00	.00	.13	-.00	-.01		.00	.00	.001
		27.4	-.06	-.02	.52	-.00	.00	.13	-.00	-.02		.00	.00	.001
904- 906 169- 1		0.0	2.84	.43	4.21	.03	-.01	-.49	.12	.05		.01	.01	.007
		6.9	2.84	-.39	1.75	.03	-.01	-.49	.12	.02		.01	.01	.006
		13.7	2.84	-1.21	-.71	.03	-.01	-.49	.12	.02		.01	.01	.006
		20.6	2.84	-2.03	-3.17	.03	-.01	-.49	.12	.04		.01	.01	.007
		27.4	2.84	-2.85	-5.63	.03	-.01	-.49	.12	.07		.01	.01	.008
905- 906 169- 1		0.0	-3.48	.10	1.99	.02	-.02	.03	-.14	-.02		.00	.00	.012
		6.9	-3.48	-1.15	.38	.02	-.02	.03	-.14	-.01		.00	.00	.011
		13.7	-3.48	-2.40	-1.23	.02	-.02	.03	-.14	-.03		.00	.00	.012
		20.6	-3.48	-3.64	-2.85	.02	-.02	.03	-.14	-.05		.00	.00	.013
		27.4	-3.48	-4.89	-4.46	.02	-.02	.03	-.14	-.07		.00	.00	.014

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
906-1004	180- 1	0.0	-4.66	-1.51	2.14	.01	.00	-.38	-.17	.02		.00	.00	.011
		10.6	-4.66	-1.22	1.35	.01	.00	-.38	-.17	.02		.00	.00	.011
		21.1	-4.66	-.92	.50	.01	.00	-.38	-.17	.01		.00	.00	.010
		31.7	-4.66	-.63	-.23	.01	.00	-.38	-.17	.01		.00	.00	.010
		42.2	-4.66	-.34	-1.02	.01	.00	-.38	-.17	.01		.00	.00	.010
906-1005	180- 1	0.0	-8.15	.29	2.22	.01	-.01	-.26	-.30	.02		.00	.00	.018
		10.6	-8.15	-.70	1.57	.01	-.01	-.26	-.30	.01		.00	.00	.018
		21.1	-8.15	-1.69	.92	.01	-.01	-.26	-.30	.02		.00	.00	.018
		31.7	-8.15	-2.68	.28	.01	-.01	-.26	-.30	.02		.00	.00	.019
		42.2	-8.15	-3.67	-.37	.01	-.01	-.26	-.30	.03		.00	.00	.019
906-1006	JL9- 1	0.0	-.95	24.50	-6.28	.18	-.40	-4.08	-.01	.03		.02	.02	.002
		8.1	-.92	-3.52	-17.55	.05	-.19	-4.08	-.01	.02		.01	.01	.002
		16.2	-.89	-15.74	-18.26	-.03	-.02	-4.08	-.01	.03		.00	.00	.002
		24.3	-.86	-8.35	-11.24	-.11	.14	-4.08	-.01	.02		.01	.01	.001
		32.4	-.84	12.59	3.67	-.19	.30	-4.08	-.01	.02		.01	.01	.001
1010- 910	P3- 1	0.0	-.76	-27.08	-178.33	-.47	.14	4.10	-.00	.08		.00	.00	.003
		8.1	-.76	-14.25	-152.17	-.47	.14	4.10	-.00	.06		.00	.00	.002
		16.2	-.76	-.78	-66.01	-.47	.14	4.10	-.00	.04		.00	.00	.002
		24.3	-.76	12.66	-39.86	-.47	.14	4.10	-.00	.02		.00	.00	.001
		32.4	-.76	26.11	6.30	-.47	.14	4.10	-.00	.01		.00	.00	.001
1011- 911	P3- 1	0.0	-28.22	181.03	107.85	.42	-.65	-5.16	-.11	.09		.01	.01	.009
		8.1	-28.22	117.66	67.31	.42	-.65	-5.16	-.11	.06		.01	.01	.008
		16.2	-28.22	54.08	26.77	.42	-.65	-5.16	-.11	.03		.01	.01	.007
		24.3	-28.22	-8.50	-13.77	.42	-.65	-5.16	-.11	.01		.01	.01	.006
		32.4	-28.22	-71.07	-54.32	.42	-.65	-5.16	-.11	.04		.01	.01	.007
1012- 912	P3- 1	0.0	28.00	-157.18	26.73	-.06	.53	-6.81	.11	.07		.01	.01	.008
		8.1	28.00	-105.81	32.92	-.06	.53	-6.81	.11	.05		.01	.01	.007
		16.2	28.00	-54.45	39.10	-.06	.53	-6.81	.11	.03		.01	.01	.006
		24.3	28.00	-3.09	45.29	-.06	.53	-6.81	.11	.02		.01	.01	.006
		32.4	28.00	48.28	51.47	-.06	.53	-6.81	.11	.03		.01	.01	.006
1001-1002	200- 1	0.0	5.78	-7.01	-2.51	.06	.03	1.66	.15	.04		.01	.01	.009
		8.0	5.78	-4.60	-5.15	.00	.03	1.66	.15	.04		.01	.01	.009
		16.0	5.78	-2.19	-4.14	-.02	.03	1.66	.15	.03		.01	.01	.008
		24.0	5.78	.22	-2.49	-.02	.03	1.66	.15	.01		.01	.01	.008
		32.0	5.78	2.64	-.84	-.02	.03	1.66	.15	.02		.01	.01	.008
1001-1004	200- 1	0.0	-5.33	7.83	-5.72	-.01	-.02	.53	-.14	.05		.00	.00	.012
		8.0	-5.33	5.67	-4.45	-.01	-.02	.53	-.14	.04		.00	.00	.012
		16.0	-5.33	3.51	-3.19	-.01	-.02	.53	-.14	.03		.00	.00	.011
		24.0	-5.33	1.35	-1.93	-.01	-.02	.53	-.14	.01		.00	.00	.010
		32.0	-5.33	-.81	-.67	-.01	-.02	.53	-.14	.01		.00	.00	.010

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
1002-1003	200- 1	0.0	.01	.05	.03	.01	.01	.47	.00	.00		.00	.00	.000
		8.0	.01	1.08	-.82	.01	.01	.47	.00	.01		.00	.00	.000
		16.0	.01	2.12	-1.67	.01	.01	.47	.00	.02		.00	.00	.001
		24.0	.01	3.15	-2.52	.01	.01	.47	.00	.02		.00	.00	.001
		32.0	.01	4.18	-3.38	.01	.01	.47	.00	.03		.00	.00	.001
1002-1004	140- 1	0.0	.01	2.09	.24	.00	-.01	-.60	.00	.04		.01	.01	.002
		8.0	.01	.99	.15	.00	-.01	-.60	.00	.02		.01	.01	.001
		16.0	.01	-.12	.06	.00	-.01	-.60	.00	.00		.01	.01	.000
		24.0	.01	-1.22	-.02	.00	-.01	-.60	.00	.02		.01	.01	.001
		32.0	.01	-2.33	-.11	.00	-.01	-.60	.00	.04		.01	.01	.002
1002-1005	140- 1	0.0	.03	2.30	.11	-.00	-.01	.19	.00	.04		.00	.00	.002
		8.0	.03	1.50	.11	-.00	-.01	.19	.00	.03		.00	.00	.001
		16.0	.03	.70	.12	-.00	-.01	.19	.00	.01		.00	.00	.001
		24.0	.03	-.11	.13	-.00	-.01	.19	.00	.00		.00	.00	.000
		32.0	.03	-.91	.14	-.00	-.01	.19	.00	.02		.00	.00	.001
1003-1005	200- 1	0.0	-5.83	10.28	4.76	.01	-.04	-.15	-.15	-.06		.00	.00	.013
		8.0	-5.83	6.75	3.50	.01	-.04	-.15	-.15	-.04		.00	.00	.013
		16.0	-5.83	3.22	2.25	.01	-.04	-.15	-.15	-.02		.00	.00	.012
		24.0	-5.83	-.31	.99	.01	-.04	-.15	-.15	-.01		.00	.00	.011
		32.0	-5.83	-3.83	-.26	.01	-.04	-.15	-.15	-.02		.00	.00	.012
1004-1005	140- 1	0.0	-.04	-1.26	-.15	-.00	.00	.36	-.00	-.02		.00	.00	.001
		8.0	-.04	-.91	-.05	-.00	.00	.36	-.00	-.02		.00	.00	.001
		16.0	-.04	-.57	.06	-.00	.00	.36	-.00	-.01		.00	.00	.001
		24.0	-.04	-.22	.16	-.00	.00	.36	-.00	-.01		.00	.00	.000
		32.0	-.04	.12	.26	-.00	.00	.36	-.00	-.01		.00	.00	.000
1004-1006	200- 1	0.0	.75	1.82	-1.29	.00	-.02	-.71	.02	.01		.00	.00	.001
		8.0	.75	.10	-1.51	.00	-.02	-.71	.02	.01		.00	.00	.001
		16.0	.75	-1.63	-1.33	.00	-.02	-.71	.02	.01		.00	.00	.001
		24.0	.75	-3.35	-1.35	.00	-.02	-.71	.02	.02		.00	.00	.002
		32.0	.75	-5.08	-1.37	.00	-.02	-.71	.02	.03		.00	.00	.002
1005-1006	200- 1	0.0	4.78	.22	.06	.01	-.03	-.24	.13	.00		.00	.00	.006
		8.0	4.78	-2.30	-.77	.01	-.03	-.24	.13	.01		.00	.00	.006
		16.0	4.78	-4.82	-1.60	.01	-.03	-.24	.13	.03		.00	.00	.007
		24.0	4.78	-7.34	-2.43	.01	-.03	-.24	.13	.04		.00	.00	.008
		32.0	4.78	-9.87	-3.25	.01	-.03	-.24	.13	.06		.00	.00	.008

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

U.S. NAVY - ACHN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
101- 102 W18- 1		0.0	-.01	.06	.66	.01	-.00	-.00	-.00	.00	.06	.00	.00	.003
		3.6	-.01	.05	.45	.01	-.00	-.00	-.00	.00	.04	.00	.00	.002
		7.3	-.01	.01	.19	.01	-.00	-.00	-.00	.00	.02	.00	.00	.001
		10.9	-.01	-.02	-.04	.01	-.00	-.00	-.00	-.00	.00	.00	.00	.000
		14.5	-.01	-.05	-.27	.01	-.00	-.00	-.00	-.00	-.03	.00	.00	.001
101- 104 W18- 1		0.0	-.01	.09	.66	.01	-.00	.00	-.00	.00	.06	.00	.00	.003
		3.6	-.01	.07	.45	.01	-.00	.00	-.00	.00	.04	.00	.00	.002
		7.2	-.01	.04	.18	.01	-.00	.00	-.00	.00	.02	.00	.00	.001
		10.9	-.01	.02	-.07	.01	-.00	.00	-.00	.00	.01	.00	.00	.000
		14.5	-.01	-.01	-.32	.01	-.00	.00	-.00	-.00	-.03	.00	.00	.001
101- 201 DKL- 1		0.0	-.00	-.08	.11	.01	.02	1.34	-.00	-.00		.00	.00	.000
		3.8	-.00	.77	-.36	.01	.02	1.34	-.00	-.00		.00	.00	.000
		7.5	-.00	1.61	-.83	.01	.02	1.34	-.00	-.00		.00	.00	.000
		11.3	-.00	2.46	-1.29	.01	.02	1.34	-.00	-.00		.00	.00	.000
		15.0	-.00	3.31	-1.76	.01	.02	1.34	-.00	-.01		.00	.00	.000
102- 103 W18- 1		0.0	-.00	-.05	-.23	-.00	-.00	.00	-.00	-.00	-.02	.00	.00	.001
		3.6	-.00	-.07	-.09	-.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
		7.3	-.00	-.10	.06	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
		10.9	-.00	-.13	.20	-.00	-.00	.00	-.00	-.00	.02	.00	.00	.001
		14.5	-.00	-.16	.34	-.00	-.00	.00	-.00	-.00	.03	.00	.00	.002
102- 104 W08- 1		0.0	.00	.00	-.04	-.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		3.6	.00	.00	-.02	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		7.2	.00	.01	-.01	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.01	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.00	.01	.03	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
102- 105 W08- 1		0.0	-.01	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.01	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		7.2	-.01	-.00	-.03	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		10.9	-.01	-.00	-.04	.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
		14.5	-.01	-.00	-.05	.00	-.00	.00	-.00	-.00	-.01	.00	.00	.001
103- 105 W18- 1		0.0	.01	-.21	-.23	-.00	.00	-.00	.00	-.00	-.02	.00	.00	.001
		3.6	.01	-.15	-.17	-.00	.00	-.00	.00	-.00	-.02	.00	.00	.001
		7.2	.01	-.09	-.12	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.001
		10.9	.01	-.03	-.06	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.000
		14.5	.01	.03	-.00	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
103- 203 DKL- 1		0.0	.00	.18	.26	.00	-.01	-.57	.00	.00		.00	.00	.000
		3.8	.00	-.04	.07	.00	-.01	-.57	.00	.00		.00	.00	.000
		7.5	.00	-.27	-.13	.00	-.01	-.57	.00	.00		.00	.00	.000
		11.3	.00	-.50	-.32	.00	-.01	-.57	.00	.00		.00	.00	.000
		15.0	.00	-.73	-.52	.00	-.01	-.57	.00	.00		.00	.00	.000

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
104- 105 W08- 1		0.0	.01	-.01	.02	.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		3.8	.01	-.01	.00	.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		7.5	.01	-.00	-.02	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.01	.00	-.04	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		14.5	.01	.00	-.06	.00	.00	-.00	.00	.00	-.01	.00	.00	.001
104- 106 W10- 1		0.0	-.02	-.00	-.31	-.01	-.00	.00	-.00	-.00	-.05	.00	.00	.001
		3.8	-.02	-.03	-.09	-.01	-.00	.00	-.00	-.00	-.01	.00	.00	.000
		7.5	-.02	-.05	.13	-.01	-.00	.00	-.00	-.00	.01	.00	.00	.001
		10.9	-.02	-.08	.35	-.01	-.00	.00	-.00	-.00	.03	.00	.00	.002
		14.5	-.02	-.11	.57	-.01	-.00	.00	-.00	-.00	.05	.00	.00	.003
105- 106 W10- 1		0.0	-.00	.03	-.12	-.00	.00	.00	-.00	.00	-.01	.00	.00	.001
		3.8	-.00	.09	.03	-.00	.00	.00	-.00	.00	.00	.00	.00	.000
		7.5	-.00	.16	.18	-.00	.00	.00	-.00	.00	.02	.00	.00	.001
		10.9	-.00	.22	.33	-.00	.00	.00	-.00	.00	.03	.00	.00	.002
		14.5	-.00	.28	.48	-.00	.00	.00	-.00	.00	.04	.00	.00	.002
106- 206 DKL- 1		0.0	-.01	.25	.33	.00	.01	-1.81	-.00	-.00		.00	.00	.000
		3.8	-.01	.57	.31	.00	.01	-1.81	-.00	-.00		.00	.00	.000
		7.5	-.01	.89	.30	.00	.01	-1.81	-.00	-.00		.00	.00	.000
		11.3	-.01	1.21	.28	.00	.01	-1.81	-.00	-.00		.00	.00	.000
		15.0	-.01	1.53	.27	.00	.01	-1.81	-.00	-.00		.00	.00	.000
201- 202 W10- 1		0.0	.20	-.09	.70	.01	.00	-.00	.01	-.00	.07	.00	.00	.004
		3.8	.20	-.09	.45	.01	.00	-.00	.01	-.00	.04	.00	.00	.003
		7.5	.20	-.09	.20	.01	.00	-.00	.01	-.00	.02	.00	.00	.001
		10.9	.20	-.08	-.05	.01	.00	-.00	.01	-.00	-.00	.00	.00	.001
		14.5	.20	-.08	-.29	.01	.00	-.00	.01	-.00	-.03	.00	.00	.002
201- 204 W10- 1		0.0	.07	-.28	.73	.01	.00	.00	.00	-.00	.07	.00	.00	.003
		3.8	.07	-.22	.46	.01	.00	.00	.00	-.00	.04	.00	.00	.002
		7.2	.07	-.17	.20	.01	.00	.00	.00	-.00	.02	.00	.00	.001
		10.9	.07	-.11	-.07	.01	.00	.00	.00	-.00	-.01	.00	.00	.001
		14.5	.07	-.06	-.33	.01	.00	.00	.00	-.00	-.03	.00	.00	.002
201- 301 DKL- 1		0.0	.07	3.12	-2.10	-.15	-.05	6.16	.00	.01		.01	.01	.000
		3.8	.07	.85	4.71	-.15	-.05	6.16	.00	.01		.01	.01	.000
		7.5	.07	-1.41	11.51	-.15	-.05	6.16	.00	.02		.01	.01	.001
		11.3	.07	-3.68	18.31	-.15	-.05	6.16	.00	.03		.01	.01	.001
		15.0	.07	-5.95	25.11	-.15	-.05	6.16	.00	.04		.01	.01	.002
201- 303 120- 1		0.0	-.11	-.53	1.83	.00	.00	-.21	-.01	-.03		.00	.00	.002
		8.2	-.11	-.10	1.48	.00	.00	-.21	-.01	-.03		.00	.00	.001
		16.3	-.11	.13	1.12	.00	.00	-.21	-.01	-.02		.00	.00	.001
		24.5	-.11	.36	.76	.00	.00	-.21	-.01	-.01		.00	.00	.001
		32.6	-.11	.59	.41	.00	.00	-.21	-.01	-.01		.00	.00	.001

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	CUMM. UNITY CHECK
202- 203 W16- 1		0.0	.21	-.07	-.26	-.00	.00	.00	.01	-.00	-.02	.00	.00	.002
		3.6	.21	-.07	-.10	-.00	.00	.00	.01	-.00	-.01	.00	.00	.001
		7.3	.21	-.07	.06	-.00	.00	.00	.01	-.00	.01	.00	.00	.001
		10.9	.21	-.07	.22	-.00	.00	.00	.01	-.00	.02	.00	.00	.002
		14.5	.21	-.08	.37	-.00	.00	.00	.01	-.00	.03	.00	.00	.002
202- 204 W08- 1		0.0	.00	.01	-.04	-.00	-.00	.00	.00	.00	-.01	.00	.00	.000
		3.6	.00	.01	-.02	-.00	-.00	.00	.00	.00	-.00	.00	.00	.000
		7.2	.00	.01	-.00	-.00	-.00	.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.01	.02	-.00	-.00	.00	.00	.00	.00	.00	.00	.000
		14.5	.00	.01	.04	-.00	-.00	.00	.00	.00	.01	.00	.00	.000
202- 205 W08- 1		0.0	-.01	-.01	.01	.00	.00	.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.01	-.01	-.01	.00	.00	.00	-.00	-.00	-.00	.00	.00	.000
		7.2	-.01	-.01	-.03	.00	.00	.00	-.00	-.00	-.00	.00	.00	.000
		10.9	-.01	-.01	-.04	.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
		14.5	-.01	-.01	-.06	.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
203- 205 W16- 1		0.0	-.18	-.24	-.26	-.00	.00	.00	-.01	-.00	-.02	.00	.00	.002
		3.6	-.18	-.16	-.19	-.00	.00	.00	-.01	-.00	-.02	.00	.00	.002
		7.2	-.18	-.08	-.12	-.00	.00	.00	-.01	-.00	-.01	.00	.00	.001
		10.9	-.18	.00	-.05	-.00	.00	.00	-.01	.00	-.00	.00	.00	.001
		14.5	-.18	.09	.02	-.00	.00	.00	-.01	.00	.00	.00	.00	.001
203- 303 DRL- 1		0.0	.03	-1.57	.62	.11	.21	-3.14	.00	.00		.01	.01	.000
		3.8	.03	8.26	-4.22	.11	.21	-3.14	.00	.01		.01	.01	.001
		7.5	.03	17.89	-9.07	.11	.21	-3.14	.00	.03		.01	.01	.001
		11.3	.03	27.52	-13.91	.11	.21	-3.14	.00	.05		.01	.01	.002
		15.0	.03	37.15	-18.76	.11	.21	-3.14	.00	.07		.01	.01	.003
203- 306 120- 1		0.0	-.07	.26	-2.30	-.01	-.00	-.23	-.00	-.04		.00	.00	.002
		8.2	-.07	.08	-1.03	-.01	-.00	-.23	-.00	-.02		.00	.00	.001
		16.5	-.07	-.14	.24	-.01	-.00	-.23	-.00	-.00		.00	.00	.000
		24.5	-.07	-.34	1.51	-.01	-.00	-.23	-.00	-.03		.00	.00	.001
		32.6	-.07	-.54	2.78	-.01	-.00	-.23	-.00	-.05		.00	.00	.002
204- 205 W08- 1		0.0	.01	-.01	.02	.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		3.6	.01	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.01	-.00	-.02	.00	.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.01	.00	-.05	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		14.5	.01	.01	-.07	.00	.00	-.00	.00	.00	-.01	.00	.00	.001
204- 206 W16- 1		0.0	.07	-.05	-.31	-.01	.00	.00	.00	-.00	-.03	.00	.00	.002
		3.6	.07	.00	-.09	-.01	.00	.00	.00	-.00	-.01	.00	.00	.001
		7.3	.07	.05	.13	-.01	.00	.00	.00	.00	.01	.00	.00	.001
		10.9	.07	.10	.36	-.01	.00	.00	.00	.00	.03	.00	.00	.002
		14.5	.07	.16	.58	-.01	.00	.00	.00	.00	.05	.00	.00	.003

LOAD CONDITION NO. 3

U.S. NAVY - ACNR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
205- 206 R16- 1		0.0	-.19	.08	-.11	-.00	.00	-.00	-.01	.00	-.01	.00	.00	.001
		3.6	-.19	.16	.04	-.00	.00	-.00	-.01	.00	.00	.00	.00	.001
		7.3	-.19	.25	.19	-.00	.00	-.00	-.01	.00	.02	.00	.00	.002
		10.9	-.19	.33	.34	-.00	.00	-.00	-.01	.00	.03	.00	.00	.002
		14.5	-.19	.42	.48	-.00	.00	-.00	-.01	.00	.05	.00	.00	.003
206- 301 120- 1		0.0	.04	-.18	-.38	.00	.00	.45	.00	.01		.00	.00	.000
		8.2	.04	-.04	-.86	.00	.00	.45	.00	.02		.00	.00	.001
		16.3	.04	.10	-1.34	.00	.00	.45	.00	.02		.00	.00	.001
		24.5	.04	.24	-1.82	.00	.00	.45	.00	.03		.00	.00	.001
		32.6	.04	.38	-2.30	.00	.00	.45	.00	.04		.00	.00	.002
206- 306 UKL- 1		0.0	-.03	1.98	.69	.14	-.07	-3.42	-.00	-.00		.01	.01	.000
		3.8	-.03	-1.25	-5.78	.14	-.07	-3.42	-.00	-.01		.01	.01	.000
		7.5	-.03	-4.47	-12.24	.14	-.07	-3.42	-.00	-.02		.01	.01	.001
		11.3	-.03	-7.70	-18.70	.14	-.07	-3.42	-.00	-.03		.01	.01	.001
		15.0	-.03	-10.93	-25.16	.14	-.07	-3.42	-.00	-.04		.01	.01	.002
301- 303 123- 1		0.0	-.62	.50	3.25	.01	-.00	.28	-.03	-.06		.00	.00	.004
		7.3	-.62	.45	2.33	.01	-.00	.28	-.03	-.04		.00	.00	.004
		14.5	-.62	.37	1.40	.01	-.00	.28	-.03	-.03		.00	.00	.003
		21.7	-.62	.30	.48	.01	-.00	.28	-.03	-.01		.00	.00	.002
		29.0	-.62	.23	-.45	.01	-.00	.28	-.03	-.01		.00	.00	.002
301- 306 123- 1		0.0	-.17	.55	2.25	.00	-.00	-.30	-.01	-.04		.00	.00	.002
		7.2	-.17	.24	1.98	.00	-.00	-.30	-.01	-.04		.00	.00	.002
		14.5	-.17	.15	1.72	.00	-.00	-.30	-.01	-.03		.00	.00	.002
		21.7	-.17	.07	1.45	.00	-.00	-.30	-.01	-.03		.00	.00	.002
		29.0	-.17	-.02	1.19	.00	-.00	-.30	-.01	-.02		.00	.00	.001
301- 401 UKL- 1		0.0	-.15	-7.72	28.57	.30	.09	16.45	-.00	-.05		.02	.02	.002
		7.1	-.15	-.24	3.03	.30	.09	16.45	-.00	-.00		.02	.02	.000
		14.2	-.15	7.24	-22.52	.30	.09	16.45	-.00	-.04		.02	.02	.002
		21.4	-.15	14.72	-48.07	.30	.09	16.45	-.00	-.08		.02	.02	.003
		28.5	-.15	22.20	-73.62	.30	.09	16.45	-.00	-.12		.02	.02	.005
303- 306 123- 1		0.0	.62	-.58	-3.05	-.02	.00	.14	.03	.05		.00	.00	.004
		7.2	.62	-.47	-1.57	-.02	.00	.14	.03	.03		.00	.00	.003
		14.5	.62	-.37	.31	-.02	.00	.14	.03	.01		.00	.00	.002
		21.7	.62	-.27	2.00	-.02	.00	.14	.03	.04		.00	.00	.003
		29.0	.62	-.16	3.68	-.02	.00	.14	.03	.06		.00	.00	.004
303- 403 UKL- 1		0.0	-.02	38.00	-19.40	-.28	-.33	-6.20	-.00	-.07		.01	.01	.003
		7.1	-.02	10.03	4.45	-.28	-.33	-6.20	-.00	-.02		.01	.01	.001
		14.2	-.02	-17.94	28.31	-.28	-.33	-6.20	-.00	-.05		.01	.01	.002
		21.4	-.02	-45.91	52.16	-.28	-.33	-6.20	-.00	-.11		.01	.01	.005
		28.5	-.02	-73.88	76.01	-.28	-.33	-6.20	-.00	-.17		.01	.01	.007

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MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
305- 406	DKL- 1	0.0	-.06	-12.31	-24.71	-.25	.25	-10.87	-.00	-.04		.02	.02	.002
		7.1	-.06	8.90	-3.76	-.25	.25	-10.87	-.00	-.02		.02	.02	.001
		14.2	-.06	30.12	17.19	-.25	.25	-10.87	-.00	-.05		.02	.02	.002
		21.4	-.06	51.33	38.14	-.25	.25	-10.87	-.00	-.10		.02	.02	.004
		28.5	-.06	72.54	59.08	-.25	.25	-10.87	-.00	-.15		.02	.02	.006
401- 501	JL4- 1	0.0	-4.37	-33.06	-37.24	-4.03	-.91	31.27	-.02	-.02		.04	.04	.002
		1.1	-4.37	-45.55	17.98	-4.03	-.91	31.27	-.02	-.02		.04	.04	.002
		2.3	-4.37	-58.03	73.20	-4.03	-.91	31.27	-.02	-.03		.04	.04	.002
		3.4	-4.37	-70.51	128.42	-4.03	-.91	31.27	-.02	-.05		.04	.04	.003
		4.6	-4.37	-83.00	183.63	-4.03	-.91	31.27	-.02	-.07		.04	.04	.004
401- 510	P1- 1	0.0	4.16	-41.70	52.26	3.96	.64	-12.09	.02	.03		.04	.04	.002
		1.1	4.16	-52.91	-2.05	3.96	.64	-12.09	.02	.02		.04	.04	.002
		2.3	4.16	-24.12	-56.35	3.96	.64	-12.09	.02	.03		.04	.04	.002
		3.4	4.16	-15.33	-110.65	3.96	.64	-12.09	.02	.05		.04	.04	.003
		4.6	4.16	-6.54	-164.96	3.96	.64	-12.09	.02	.08		.04	.04	.004
403- 503	JL4- 1	0.0	-114.15	-51.32	-21.19	2.57	1.32	-49.59	-.45	-.02		.03	.03	.022
		1.1	-114.15	-33.22	-56.36	2.57	1.32	-49.59	-.45	-.02		.03	.03	.022
		2.3	-114.15	-15.12	-91.52	2.57	1.32	-49.59	-.45	-.03		.03	.03	.022
		3.4	-114.15	2.98	-126.68	2.57	1.32	-49.59	-.45	-.04		.03	.03	.023
		4.6	-114.15	21.08	-161.84	2.57	1.32	-49.59	-.45	-.06		.03	.03	.023
403- 511	P1- 1	0.0	114.38	21.38	-81.26	-2.25	-1.20	26.60	.52	.04		.03	.03	.026
		1.1	114.38	4.98	-50.37	-2.25	-1.20	26.60	.52	.02		.03	.03	.025
		2.3	114.38	-11.42	-19.47	-2.25	-1.20	26.60	.52	.01		.03	.03	.024
		3.4	114.38	-27.82	11.42	-2.25	-1.20	26.60	.52	.01		.03	.03	.025
		4.6	114.38	-44.22	42.31	-2.25	-1.20	26.60	.52	.03		.03	.03	.025
406- 506	JL4- 1	0.0	117.06	56.15	39.14	.82	-1.21	-31.77	.46	.02		.02	.02	.022
		1.1	117.06	39.60	27.90	.82	-1.21	-31.77	.46	.02		.02	.02	.022
		2.3	117.06	23.06	16.66	.82	-1.21	-31.77	.46	.01		.02	.02	.022
		3.4	117.06	6.51	5.42	.82	-1.21	-31.77	.46	.00		.02	.02	.021
		4.6	117.06	-10.03	-5.82	.82	-1.21	-31.77	.46	.00		.02	.02	.021
406- 512	P1- 1	0.0	-117.08	16.39	20.93	-1.07	1.42	30.76	-.53	-.01		.02	.02	.025
		1.1	-117.08	35.90	35.56	-1.07	1.42	30.76	-.53	-.02		.02	.02	.026
		2.3	-117.08	55.40	50.19	-1.07	1.42	30.76	-.53	-.03		.02	.02	.026
		3.4	-117.08	74.91	64.81	-1.07	1.42	30.76	-.53	-.05		.02	.02	.027
		4.6	-117.08	94.41	79.44	-1.07	1.42	30.76	-.53	-.06		.02	.02	.027
501- 502	165- 1	0.0	3.48	-3.80	38.05	.30	.00	-1.81	.12	.34		.03	.03	.020
		3.8	3.48	-3.67	24.40	.30	.00	-1.81	.12	.22		.03	.03	.015
		7.6	3.48	-3.55	10.74	.30	.00	-1.81	.12	.10		.03	.03	.010
		11.4	3.48	-3.42	-2.91	.30	.00	-1.81	.12	.04		.03	.03	.007
		15.1	3.48	-3.30	-16.56	.30	.00	-1.81	.12	.15		.03	.03	.012

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MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	105- 1	0.0	-7.46	-6.57	38.49	.32	.03	2.32	-.25	-.35		.03	.03	.028
		3.8	-7.46	-4.86	23.84	.32	.03	2.32	-.25	-.22		.03	.03	.023
		7.6	-7.46	-3.35	9.18	.32	.03	2.32	-.25	-.09		.03	.03	.017
		11.4	-7.46	-1.84	-5.47	.32	.03	2.32	-.25	-.05		.03	.03	.016
		15.1	-7.46	-.35	-20.13	.32	.03	2.32	-.25	-.18		.03	.03	.021
501- 601	JL5- 1	0.0	-8.31	-97.35	109.57	6.06	1.82	44.26	-.06	-.09		.10	.10	.007
		1.5	-8.31	-64.19	-1.04	6.06	1.82	44.26	-.06	-.04		.10	.10	.004
		3.0	-8.31	-31.03	-111.66	6.06	1.82	44.26	-.06	-.07		.10	.10	.006
		4.6	-8.31	2.14	-221.34	5.87	1.82	44.26	-.06	-.14		.10	.10	.009
		6.1	-8.31	35.39	-325.20	5.52	1.83	44.26	-.06	-.21		.10	.10	.011
501- 622	200- 1	0.0	7.52	23.68	-90.71	-.94	-.30	-2.34	.20	.52		.06	.06	.031
		5.1	7.52	5.25	-53.04	-.94	-.30	-2.34	.20	.19		.06	.06	.017
		10.2	7.51	-11.97	17.83	-.69	-.26	-2.34	.20	.12		.05	.05	.014
		15.3	7.49	-26.08	52.00	-.43	-.20	-2.34	.20	.33		.03	.03	.023
		20.4	7.50	-36.50	70.55	-.18	-.13	-2.34	.20	.44		.02	.02	.028
502- 503	105- 1	0.0	3.91	-2.89	-14.00	-.17	-.01	-.52	.13	.13		.01	.01	.011
		3.8	3.91	-3.56	-6.42	-.17	-.01	-.52	.13	.07		.01	.01	.009
		7.6	3.91	-4.24	1.15	-.17	-.01	-.52	.13	.04		.01	.01	.008
		11.4	3.91	-4.91	8.72	-.17	-.01	-.52	.13	.09		.01	.01	.010
		15.1	3.91	-5.58	16.29	-.17	-.01	-.52	.13	.15		.01	.01	.012
502- 504	105- 1	0.0	.15	-.55	-2.23	-.02	.01	.02	.01	.06		.00	.00	.004
		3.8	.15	-.19	-1.26	-.02	.01	.02	.01	.04		.00	.00	.002
		7.6	.15	.18	-.28	-.02	.01	.02	.01	.01		.00	.00	.001
		11.4	.15	.55	.69	-.02	.01	.02	.01	.03		.00	.00	.002
		15.2	.15	.92	1.67	-.02	.01	.02	.01	.06		.00	.00	.003
502- 505	105- 1	0.0	-.68	-1.03	-.34	.01	.01	.18	-.06	-.04		.01	.01	.005
		3.8	-.68	-.80	-.68	.01	.01	.18	-.06	-.03		.01	.01	.004
		7.6	-.68	-.17	-1.03	.01	.01	.18	-.06	-.03		.01	.01	.005
		11.4	-.68	.26	-1.38	.01	.01	.18	-.06	-.05		.01	.01	.005
		15.2	-.68	.69	-1.72	.01	.01	.18	-.06	-.06		.01	.01	.006
503- 505	105- 1	0.0	2.52	-3.64	-10.41	-.04	.03	-2.05	.08	.10		.01	.01	.008
		3.8	2.52	-2.29	-8.64	-.04	.03	-2.05	.08	.08		.01	.01	.007
		7.6	2.52	-.95	-6.87	-.04	.03	-2.05	.08	.06		.01	.01	.006
		11.4	2.52	.40	-5.10	-.04	.03	-2.05	.08	.05		.01	.01	.006
		15.1	2.52	1.75	-3.33	-.04	.03	-2.05	.08	.03		.01	.01	.005
503- 603	JL5- 1	0.0	-98.40	49.93	-107.99	-4.47	-3.23	-106.07	-.69	-.07		.11	.11	.035
		1.5	-98.40	-9.04	-26.36	-4.47	-3.23	-106.07	-.69	-.02		.11	.11	.033
		3.0	-98.40	-66.38	54.36	-4.34	-2.99	-108.07	-.69	-.05		.11	.11	.034
		4.6	-98.40	-117.82	131.85	-4.16	-2.65	-108.07	-.69	-.11		.10	.10	.037
		6.1	-98.40	-163.32	206.08	-3.98	-2.34	-108.07	-.69	-.17		.10	.10	.039

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MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 625	200- 1	0.0	-14.85	-107.62	-30.11	-.19	1.14	-4.33	-.39	-.63		.07	.07	.046
		5.1	-14.83	-58.98	-22.87	-.18	1.07	-4.33	-.39	-.25		.07	.07	.030
		10.1	-14.83	10.35	-12.61	-.16	.76	-4.33	-.39	-.12		.05	.05	.024
		15.2	-14.82	52.78	-3.74	-.13	.44	-4.33	-.39	-.30		.04	.04	.032
		20.3	-14.83	70.78	5.74	-.11	.15	-4.33	-.39	-.40		.02	.02	.036
504- 505	105- 1	0.0	.51	-.17	.91	.02	.00	-.14	.04	.03		.01	.01	.003
		3.8	.51	-.17	.08	.02	.00	-.14	.04	.01		.01	.01	.002
		7.6	.51	-.16	-.75	.02	.00	-.14	.04	.03		.01	.01	.003
		11.4	.51	-.16	-1.58	.02	.00	-.14	.04	.05		.01	.01	.004
		15.2	.51	-.16	-2.40	.02	.00	-.14	.04	.08		.01	.01	.005
504- 506	105- 1	0.0	-7.64	.32	-19.37	-.27	.04	3.05	-.25	-.17		.03	.03	.021
		3.8	-7.64	2.20	-7.09	-.27	.04	3.05	-.25	-.07		.03	.03	.017
		7.6	-7.64	4.08	5.20	-.27	.04	3.05	-.25	-.06		.03	.03	.017
		11.4	-7.64	5.96	17.48	-.27	.04	3.05	-.25	-.17		.03	.03	.021
		15.2	-7.64	7.84	29.77	-.27	.04	3.05	-.25	-.28		.03	.03	.026
505- 506	105- 1	0.0	1.90	2.20	-7.45	-.18	.04	-2.34	.06	.07		.02	.02	.006
		3.8	1.90	3.98	.95	-.18	.04	-2.34	.06	.04		.02	.02	.004
		7.6	1.90	5.76	9.36	-.18	.04	-2.34	.06	.10		.02	.02	.007
		11.4	1.90	7.54	17.76	-.18	.04	-2.34	.06	.17		.02	.02	.010
		15.2	1.90	9.32	26.16	-.18	.04	-2.34	.06	.25		.02	.02	.013
506- 606	JL5- 1	0.0	111.20	56.10	34.26	-.49	1.43	-3.90	.78	.04		.02	.02	.038
		1.5	111.20	82.19	43.15	-.49	1.43	-3.90	.78	.06		.02	.02	.038
		3.0	111.20	108.28	52.02	-.49	1.43	-3.90	.78	.08		.02	.02	.039
		4.6	111.20	134.36	60.89	-.49	1.43	-3.90	.78	.09		.02	.02	.040
		6.1	111.20	160.44	69.75	-.47	1.41	-3.90	.78	.11		.02	.02	.041
505- 624	200- 1	0.0	10.12	16.85	98.97	.85	-.10	4.92	.27	.56		.06	.06	.036
		5.1	10.12	10.48	47.06	.85	-.10	4.92	.27	.27		.06	.06	.024
		10.1	10.12	4.13	-4.46	.80	-.10	4.92	.27	.03		.06	.06	.014
		15.2	10.13	-1.65	-45.22	.54	-.09	4.92	.27	.25		.04	.04	.023
		20.2	10.14	-7.29	-70.61	.29	-.09	4.92	.27	.40		.03	.03	.029
510- 710	P1- 1	0.0	4.17	-5.50	-165.00	1.59	.58	-12.05	.02	.08		.02	.02	.004
		6.3	4.17	38.64	-285.72	1.59	.58	-12.05	.02	.13		.02	.02	.007
		12.7	4.17	82.77	-406.43	1.59	.58	-12.05	.02	.19		.02	.02	.009
		19.0	4.17	126.91	-527.15	1.59	.58	-12.05	.02	.25		.02	.02	.012
		25.3	4.17	171.05	-647.87	1.59	.58	-12.05	.02	.31		.02	.02	.014
511- 711	P1- 1	0.0	114.39	-43.93	42.59	-1.60	-1.65	26.63	.52	.03		.03	.03	.025
		6.3	114.39	-169.74	179.08	-1.60	-1.65	26.63	.52	.12		.03	.03	.029
		12.7	114.39	-295.55	315.57	-1.60	-1.65	26.63	.52	.20		.03	.03	.032
		19.0	114.39	-421.36	452.06	-1.60	-1.65	26.63	.52	.29		.03	.03	.036
		25.3	114.39	-547.17	588.55	-1.60	-1.65	26.63	.52	.38		.03	.03	.040

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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	CUMM. UNITY CHECK
512- 712	P1- 1	0.0	-117.08	94.41	79.42	.25	1.00	30.80	-.53	-.06		.02	.02	.028
		6.3	-117.08	170.14	60.50	.25	1.00	30.80	-.53	-.08		.02	.02	.029
		12.7	-117.08	245.87	41.58	.25	1.00	30.80	-.53	-.12		.02	.02	.031
		19.0	-117.08	321.59	22.65	.25	1.00	30.80	-.53	-.15		.02	.02	.032
		25.3	-117.08	397.32	5.73	.25	1.00	30.80	-.53	-.19		.02	.02	.034
601- 621	JL0- 1	0.0	-7.74	47.65	-311.56	3.18	.84	113.36	-.05	-.20		.08	.08	.011
		1.5	-7.74	63.04	-366.43	2.64	.85	113.36	-.05	-.23		.08	.08	.012
		3.0	-7.74	78.60	-415.14	2.50	.86	113.36	-.05	-.27		.07	.07	.014
		4.6	-7.74	94.37	-457.86	2.18	.87	113.36	-.05	-.29		.07	.07	.015
		6.1	-7.74	110.29	-495.16	1.73	.88	113.36	-.05	-.32		.06	.06	.016
603- 623	JL0- 1	0.0	-97.64	-153.04	179.54	-2.34	-2.26	-115.50	-.68	-.15		.08	.08	.038
		1.5	-97.72	-191.94	220.86	-2.19	-2.00	-115.50	-.68	-.18		.08	.08	.040
		3.0	-97.80	-226.09	259.44	-2.04	-1.74	-115.50	-.68	-.22		.07	.07	.041
		4.6	-97.88	-255.54	295.39	-1.90	-1.49	-115.50	-.68	-.25		.07	.07	.042
		6.1	-97.99	-280.72	329.02	-1.71	-1.13	-115.50	-.69	-.27		.06	.06	.043
605- 625	JL0- 1	0.0	111.19	160.44	69.74	-.47	1.77	-4.13	.78	.11		.03	.03	.041
		1.5	111.28	190.20	74.85	-.31	1.50	-4.13	.78	.13		.02	.02	.041
		3.0	111.37	215.06	80.91	-.14	1.23	-4.13	.78	.14		.02	.02	.042
		4.6	111.45	235.14	81.95	.05	.97	-4.13	.78	.16		.01	.01	.043
		6.1	111.55	250.97	80.24	.25	.62	-4.13	.78	.17		.01	.01	.043
621- 651	JL0- 1	0.0	-7.74	107.94	-495.11	1.66	.80	113.97	-.05	-.32		.06	.06	.016
		1.5	-7.74	123.55	-524.19	1.53	.83	113.97	-.05	-.34		.06	.06	.017
		3.0	-7.75	138.38	-543.73	.82	.81	113.97	-.05	-.35		.05	.05	.017
		4.6	-7.75	153.01	-558.04	.52	.79	113.97	-.05	-.36		.05	.05	.016
		6.1	-7.75	167.20	-555.44	-.16	.77	113.97	-.05	-.36		.05	.05	.018
622- 703	200- 1	0.0	7.50	-36.56	70.49	-.18	-.05	-3.18	.20	.04		.02	.02	.028
		5.4	7.51	-52.77	68.57	.24	.16	-3.18	.20	.03		.02	.02	.027
		10.9	7.53	-15.15	38.84	.66	.36	-3.18	.20	.23		.05	.05	.019
		16.3	7.55	16.25	-17.07	1.04	.59	-3.18	.20	.13		.07	.07	.015
		21.8	7.54	61.55	-94.51	1.38	.79	-3.18	.20	.04		.09	.09	.036
623- 653	JL0- 1	0.0	-97.96	-281.69	327.30	-1.66	-1.36	-116.19	-.69	-.27		.07	.07	.043
		1.5	-97.82	-303.47	355.55	-1.42	-.99	-116.19	-.68	-.29		.06	.06	.044
		3.0	-97.69	-317.47	379.11	-1.17	-.61	-116.19	-.68	-.31		.05	.05	.045
		4.6	-97.57	-325.64	398.14	-.92	-.24	-116.19	-.68	-.32		.05	.05	.045
		6.1	-97.45	-326.71	412.43	-.69	.12	-116.19	-.68	-.33		.05	.05	.046
623- 701	200- 1	0.0	10.14	-7.28	-70.61	.29	-.09	4.90	.27	.40		.03	.03	.029
		5.5	10.13	-11.18	-74.56	-.15	-.03	4.90	.27	.42		.02	.02	.030
		11.0	10.14	-10.84	-69.73	-.58	.05	4.90	.27	.28		.04	.04	.028
		16.5	10.17	-4.77	1.62	-.97	.14	4.90	.27	.03		.07	.07	.014
		21.9	10.18	7.01	78.10	-1.35	.25	4.90	.27	.04		.09	.09	.031

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
625- 706 200- 1		0.0	-14.83	70.78	3.77	-.10	.15	-4.30	-.39	-.40		.02	.02	.036
		5.5	-14.84	65.54	8.96	-.05	-.30	-4.30	-.39	-.37		.03	.03	.035
		11.0	-14.85	51.57	11.02	-.01	-.73	-4.30	-.39	-.19		.05	.05	.028
		16.4	-14.86	-29.87	11.43	-.00	-1.14	-4.30	-.39	-.18		.07	.07	.027
		21.9	-14.86	-116.94	11.22	.01	-1.50	-4.30	-.39	-.66		.09	.09	.047
626- 656 JL6- 1		0.0	111.52	250.63	80.04	.18	.55	-4.00	.78	.17		.01	.01	.043
		1.5	111.38	256.90	74.51	.42	.14	-4.00	.78	.17		.01	.01	.043
		3.0	111.24	255.92	64.62	.66	-.25	-4.00	.78	.17		.01	.01	.043
		4.6	111.11	247.90	50.42	.89	-.63	-4.00	.78	.16		.02	.02	.043
		6.1	110.98	235.02	31.99	1.12	-1.00	-4.00	.78	.15		.02	.02	.042
651- 701 JL6- 1		0.0	-8.52	164.32	-524.15	-4.56	-.51	190.08	-.06	-.35		.12	.12	.017
		1.8	-8.52	155.68	-421.26	-5.10	-.49	190.08	-.06	-.28		.13	.13	.015
		3.5	-8.51	145.65	-307.01	-5.63	-.46	190.08	-.06	-.21		.14	.14	.012
		5.3	-8.51	134.14	-181.77	-6.15	-.44	190.08	-.06	-.14		.15	.15	.009
		7.1	-8.51	125.05	-45.89	-6.65	-.42	190.08	-.06	-.08		.15	.15	.006
653- 703 JL6- 1		0.0	-104.62	-328.12	421.96	2.39	1.88	-129.94	-.73	-.34		.08	.08	.048
		1.8	-104.62	-282.96	368.39	2.64	2.36	-129.94	-.73	-.29		.09	.09	.047
		3.5	-104.61	-227.91	309.50	2.89	2.81	-129.94	-.73	-.24		.10	.10	.044
		5.3	-104.61	-165.33	245.50	3.12	3.25	-129.94	-.73	-.19		.10	.10	.042
		7.1	-104.61	-89.47	176.50	3.36	3.68	-129.94	-.73	-.12		.11	.11	.039
656- 706 JL6- 1		0.0	110.98	253.02	31.99	1.12	-1.05	-3.98	.78	.15		.02	.02	.042
		1.8	110.98	205.75	5.06	1.40	-1.51	-3.98	.78	.13		.03	.03	.041
		3.5	110.98	150.91	-27.72	1.67	-1.95	-3.98	.78	.11		.04	.04	.040
		5.3	110.98	122.66	-66.17	1.94	-2.38	-3.98	.78	.09		.04	.04	.040
		7.1	110.98	87.80	-110.10	2.19	-2.80	-3.98	.78	.08		.05	.05	.039
701- 702 137- 1		0.0	10.24	-4.94	12.19	-.17	.11	-2.32	.53	.23		.04	.04	.034
		4.7	10.24	-.13	16.71	.01	.07	-2.32	.53	.29		.03	.03	.037
		9.4	10.24	2.69	10.67	.20	.04	-2.32	.53	.19		.04	.04	.033
		14.1	10.24	4.20	-5.92	.39	.02	-2.32	.53	.13		.06	.06	.030
		18.8	10.24	5.05	-33.08	.58	.01	-2.32	.53	.59		.08	.08	.049
701- 704 137- 1		0.0	-1.25	-22.71	10.71	-.22	.25	-1.06	-.06	-.44		.04	.04	.023
		4.7	-1.24	-9.83	17.27	-.02	.21	-1.06	-.06	-.35		.03	.03	.019
		9.4	-1.23	.42	12.63	.18	.16	-1.06	-.06	-.22		.03	.03	.014
		14.1	-1.24	8.02	-2.64	.36	.11	-1.06	-.06	-.15		.05	.05	.011
		18.8	-1.24	12.99	-27.98	.54	.06	-1.06	-.06	-.54		.07	.07	.027
701- 801 JL7- 1		0.0	8.53	66.73	-77.48	2.94	-.50	56.24	.12	.13		.12	.12	.011
		7.1	8.55	28.62	-250.02	1.16	-.40	56.24	.12	.32		.07	.07	.019
		14.2	8.57	-1.11	-280.65	-.41	-.31	56.24	.12	.36		.05	.05	.021
		21.3	8.58	-24.64	-185.72	-1.80	-.25	56.24	.12	.24		.09	.09	.016
		28.4	8.59	-42.50	21.31	-3.04	-.17	56.24	.12	.06		.12	.12	.008

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE PY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
701- 806	200- 1	0.0	-18.34	-64.09	-110.71	-1.46	.73	-3.77	-.48	-.72		.10	.10	.060
		12.5	-18.34	14.74	42.90	-.61	.33	-3.77	-.48	-.25		.05	.05	.040
		25.1	-18.37	59.52	83.31	.06	.01	-3.77	-.48	-.52		.01	.01	.051
		37.6	-18.34	18.97	26.46	.68	-.27	-3.77	-.48	-.18		.05	.05	.037
		50.2	-18.32	-43.61	-118.77	1.23	-.56	-3.77	-.48	-.71		.08	.08	.059
702- 703	157- 1	0.0	11.19	4.94	-21.48	-.49	-.06	2.29	.58	.39		.07	.07	.043
		4.7	11.19	1.35	.75	-.50	-.06	2.29	.58	.03		.05	.05	.026
		9.4	11.19	-2.24	12.41	-.11	-.06	2.29	.58	.22		.03	.03	.036
		14.1	11.19	-5.82	13.52	.07	-.06	2.29	.58	.26		.03	.03	.038
		18.8	11.19	-9.41	4.07	.26	-.06	2.29	.58	.18		.05	.05	.035
702- 704	107- 1	0.0	-.13	-2.70	1.92	.01	.03	.22	-.01	-.11		.01	.01	.005
		4.7	-.13	-.88	1.38	.01	.03	.22	-.01	-.05		.01	.01	.003
		9.4	-.13	.93	.85	.01	.03	.22	-.01	-.04		.01	.01	.002
		14.1	-.13	2.52	.31	.01	.02	.22	-.01	-.09		.01	.01	.004
		18.8	-.13	2.80	-.22	.01	-.01	.22	-.01	-.09		.01	.01	.005
702- 705	107- 1	0.0	-1.34	-2.40	-13.52	-.41	.04	-.17	-.11	-.46		.07	.07	.026
		4.7	-1.33	.00	5.63	-.20	.04	-.17	-.11	-.12		.04	.04	.012
		9.4	-1.31	1.74	9.01	.01	.02	-.17	-.11	-.31		.01	.01	.019
		14.1	-1.30	2.16	2.60	.22	-.01	-.17	-.11	-.11		.04	.04	.011
		18.8	-1.29	.60	-15.57	.43	-.05	-.17	-.11	-.52		.08	.08	.028
703- 705	157- 1	0.0	-7.13	-13.32	-25.76	-.20	.06	-1.94	-.37	-.51		.04	.04	.046
		4.7	-7.13	-8.95	-14.27	-.20	.09	-1.94	-.37	-.30		.04	.04	.037
		9.4	-7.13	-3.27	-2.78	-.20	.11	-1.94	-.37	-.08		.04	.04	.026
		14.1	-7.13	2.64	8.71	-.20	.11	-1.94	-.37	-.16		.04	.04	.031
		18.8	-7.13	8.55	20.20	-.20	.11	-1.94	-.37	-.39		.04	.04	.041
703- 801	200- 1	0.0	-18.49	-45.42	138.69	1.06	.36	3.94	-.49	-.82		.10	.10	.064
		12.5	-18.48	-1.90	-39.72	.74	.22	3.94	-.49	-.22		.05	.05	.039
		25.1	-18.48	19.30	-93.93	-.00	.07	3.94	-.49	-.54		.01	.01	.052
		37.6	-18.49	17.58	-43.37	-.65	-.09	3.94	-.49	-.26		.05	.05	.041
		50.2	-18.49	-7.51	97.73	-1.21	-.25	3.94	-.49	-.55		.08	.08	.053
703- 803	JL7- 1	0.0	-90.45	-112.60	167.39	-.80	-2.33	29.08	-1.28	-.26		.09	.09	.073
		7.1	-90.46	-245.26	199.83	.02	-.82	29.08	-1.28	-.40		.08	.08	.079
		14.2	-90.47	-258.52	167.46	.72	.48	29.08	-1.28	-.39		.04	.04	.079
		21.3	-90.49	-167.95	78.99	1.54	1.62	29.08	-1.28	-.24		.08	.08	.072
		28.4	-90.49	14.06	-58.95	1.89	2.64	29.08	-1.28	-.08		.11	.11	.066
704- 705	107- 1	0.0	1.39	-.07	-15.56	-.39	.08	.13	.12	.51		.07	.07	.027
		4.7	1.39	2.47	1.27	-.20	.03	.13	.12	.09		.04	.04	.009
		9.4	1.39	2.97	7.35	-.01	-.01	.13	.12	.26		.01	.01	.017
		14.1	1.39	.85	2.86	.17	-.06	.13	.12	.10		.03	.03	.010
		18.8	1.39	-3.95	-12.18	.36	-.11	.13	.12	.43		.07	.07	.023

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
704- 706	137- 1	0.0	-2.34	14.42	-12.84	-.36	-.03	.83	-.12	-.34		.04	.04	.022
		4.7	-2.35	11.36	2.48	-.19	-.08	.83	-.12	-.20		.03	.03	.017
		9.4	-2.36	5.00	8.30	-.02	-.15	.83	-.12	-.17		.02	.02	.015
		14.1	-2.37	-5.32	4.62	.15	-.22	.83	-.12	-.12		.04	.04	.013
		18.8	-2.38	-20.26	-8.56	.52	-.31	.83	-.12	-.39		.05	.05	.025
705- 706	137- 1	0.0	-9.15	10.80	-7.56	-.08	-.05	.82	-.48	-.23		.02	.02	.041
		4.7	-9.15	7.75	-3.14	-.08	-.06	.82	-.48	-.15		.02	.02	.038
		9.4	-9.15	4.00	1.28	-.08	-.08	.82	-.48	-.07		.02	.02	.035
		14.1	-9.15	-1.05	5.70	-.08	-.11	.82	-.48	-.10		.02	.02	.036
		18.8	-9.15	-6.08	10.11	-.08	-.15	.82	-.48	-.23		.02	.02	.041
706- 803	200- 1	0.0	32.56	106.56	-34.02	-.16	-1.02	-1.30	.86	.65		.06	.06	.066
		12.5	32.59	-11.72	-12.44	-.13	-.55	-1.30	.86	.10		.03	.03	.044
		25.1	32.61	-59.05	4.26	-.09	-.08	-1.30	.86	.33		.01	.01	.054
		37.6	32.62	-37.25	16.13	-.07	.38	-1.30	.86	.23		.02	.02	.049
		50.2	32.59	52.97	26.09	-.08	.81	-1.30	.86	.33		.05	.05	.054
706- 806	JL7- 1	0.0	85.23	37.22	-103.47	-2.06	2.64	-44.00	1.21	.14		.12	.12	.062
		7.1	85.24	197.20	34.33	-1.19	1.14	-44.00	1.21	.25		.07	.07	.067
		14.2	85.23	236.20	102.42	-.42	-.20	-44.00	1.21	.35		.04	.08	.070
		21.3	85.25	167.89	107.06	.50	-1.38	-44.00	1.21	.25		.07	.07	.066
		28.4	85.24	4.27	54.52	.92	-2.44	-44.00	1.21	.07		.10	.10	.059
710- 810	M2- 1	0.0	4.17	170.09	-648.12	-.62	-.68	-11.84	.02	.26		.01	.01	.013
		7.1	4.17	112.43	-594.99	-.62	-.68	-11.84	.02	.25		.01	.01	.011
		14.2	4.17	54.78	-541.86	-.62	-.68	-11.84	.02	.23		.01	.01	.010
		21.3	4.17	-2.88	-488.73	-.62	-.68	-11.84	.02	.20		.01	.01	.009
		28.4	4.17	-60.53	-435.59	-.62	-.68	-11.84	.02	.18		.01	.01	.008
711- 811	M2- 1	0.0	114.38	-548.04	587.76	1.34	.36	26.27	.46	.33		.02	.02	.035
		7.1	114.38	-517.51	473.47	1.34	.36	26.27	.46	.29		.02	.02	.033
		14.2	114.38	-486.98	359.18	1.34	.36	26.27	.46	.25		.02	.02	.032
		21.3	114.38	-456.45	244.89	1.34	.36	26.27	.46	.22		.02	.02	.030
		28.4	114.38	-425.92	130.60	1.34	.36	26.27	.46	.19		.02	.02	.029
712- 812	M2- 1	0.0	-117.08	397.32	5.74	-.79	.24	30.80	-.47	-.17		.01	.01	.030
		7.1	-117.08	417.69	70.68	-.79	.24	30.80	-.47	-.18		.01	.01	.030
		14.2	-117.08	438.05	137.62	-.79	.24	30.80	-.47	-.19		.01	.01	.031
		21.3	-117.08	458.42	204.55	-.79	.24	30.80	-.47	-.21		.01	.01	.032
		28.4	-117.08	478.78	271.49	-.79	.24	30.80	-.47	-.23		.01	.01	.033
801- 802	140- 1	0.0	.81	12.37	21.45	-.14	-.07	-1.05	.04	.36		.02	.02	.017
		5.7	.81	7.88	25.09	.03	-.07	-1.05	.04	.38		.01	.01	.018
		11.4	.81	3.38	17.05	.20	-.07	-1.05	.04	.25		.03	.03	.012
		17.1	.81	-1.11	-2.69	.37	-.07	-1.05	.04	.04		.08	.08	.004
		22.8	.81	-5.60	-34.10	.54	-.07	-1.05	.04	.50		.06	.06	.023

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804 140- 1		0.0	-7.00	-5.48	25.82	-.04	.01	-3.21	-.33	-.38		.03	.03	.040
		5.7	-6.99	-4.57	24.24	.09	.01	-3.21	-.33	-.36		.03	.03	.039
		11.4	-6.98	-3.66	13.97	.21	.01	-3.21	-.33	-.21		.04	.04	.032
		17.1	-6.98	-2.75	-5.00	.34	.01	-3.21	-.33	-.08		.06	.06	.027
		22.8	-6.97	-1.84	-32.67	.47	.01	-3.21	-.33	-.47		.07	.07	.043
801- 901 JL8- 1		0.0	-13.66	15.47	15.26	2.12	-.29	-19.99	-.19	-.03		.07	.07	.011
		8.1	-13.65	-7.65	-129.14	.68	-.19	-19.99	-.19	-.16		.04	.04	.016
		16.2	-13.63	-23.15	-161.47	-.19	-.13	-19.99	-.19	-.21		.02	.02	.016
		24.3	-13.63	-52.97	-96.85	-1.12	-.08	-19.99	-.19	-.13		.04	.04	.015
		32.4	-13.62	-36.71	54.48	-1.98	-.05	-19.99	-.19	-.08		.07	.07	.013
801- 903 200- 1		0.0	21.32	59.04	-54.12	-.84	-.47	-5.67	.56	.45		.07	.07	.045
		14.9	21.39	-4.24	46.66	-.31	-.25	-5.67	.56	.26		.04	.04	.037
		29.8	21.46	-28.90	62.39	.11	-.03	-5.67	.56	.38		.02	.02	.042
		44.7	21.52	-14.89	12.48	.43	.19	-5.67	.57	.11		.04	.04	.031
		59.6	21.58	37.45	-89.43	.72	.40	-5.67	.57	.54		.06	.06	.049
802- 803 140- 1		0.0	1.66	-4.03	-21.38	-.41	-.02	2.49	.08	.31		.06	.06	.017
		5.7	1.66	-5.12	.85	-.24	-.01	2.49	.08	.08		.04	.04	.007
		11.4	1.66	-5.23	11.39	-.07	.01	2.49	.08	.18		.02	.02	.011
		17.1	1.66	-3.39	10.25	.10	.05	2.49	.08	.16		.03	.03	.010
		22.8	1.66	1.36	-2.58	.27	.10	2.49	.08	.04		.05	.05	.005
802- 804 100- 1		0.0	-.01	-.20	-.69	-.00	-.06	.91	-.00	-.02		.03	.03	.001
		5.7	-.01	-2.62	-.53	-.00	-.01	.91	-.00	-.09		.02	.02	.004
		11.4	-.01	-2.12	-.36	-.00	.02	.91	-.00	-.07		.02	.02	.003
		17.1	-.01	.55	-.19	-.00	.05	.91	-.00	-.01		.02	.02	.001
		22.8	-.01	3.76	-.02	-.00	.05	.91	-.00	-.13		.02	.02	.005
802- 805 100- 1		0.0	-1.24	-2.95	-12.02	-.26	.01	-.70	-.10	-.41		.05	.05	.024
		5.7	-1.24	-2.00	1.14	-.13	.01	-.70	-.10	-.08		.03	.03	.010
		11.4	-1.23	-1.04	5.60	-.00	.01	-.70	-.10	-.19		.01	.01	.014
		17.1	-1.22	-.08	1.37	.13	.01	-.70	-.10	-.05		.03	.03	.008
		22.8	-1.21	.88	-11.57	.25	.01	-.70	-.10	-.39		.05	.05	.023
803- 805 140- 1		0.0	6.42	-9.07	-15.41	-.08	-.05	-.36	.30	.26		.01	.01	.025
		5.7	6.42	-10.90	-9.80	-.08	-.00	-.36	.30	.21		.01	.01	.023
		11.4	6.42	-9.80	-4.19	-.08	.05	-.36	.30	.15		.01	.01	.021
		17.1	6.42	-6.76	1.81	-.08	.05	-.36	.30	.10		.01	.01	.016
		22.8	6.42	-2.74	7.02	-.08	.06	-.36	.30	.11		.01	.01	.019
803- 903 JL8- 1		0.0	-51.34	-7.92	-21.98	-.81	-1.43	-15.55	-.73	-.03		.06	.06	.037
		8.1	-51.35	-98.82	30.10	-.27	-.03	-15.55	-.73	-.13		.02	.02	.041
		16.2	-51.35	-97.12	54.19	.18	.40	-15.55	-.73	-.13		.02	.02	.041
		24.3	-51.32	-23.33	-1.60	.55	1.10	-15.55	-.73	-.03		.04	.04	.037
		32.4	-51.30	114.07	-71.47	.89	1.71	-15.55	-.73	-.17		.06	.06	.043

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
803- 906	200- 1	0.0	-39.67	-74.94	-17.04	.01	.44	.91	-1.04	-.43		.03	.03	.048
		14.9	-39.64	-8.01	-18.18	-.01	.29	.91	-1.04	-.11		.02	.02	.074
		29.8	-39.66	25.76	-10.70	-.08	.10	.91	-1.04	-.16		.01	.01	.076
		44.7	-39.70	25.15	8.79	-.14	-.10	.91	-1.04	-.15		.01	.01	.076
		59.6	-39.75	-10.70	40.37	-.21	-.30	.91	-1.04	-.23		.02	.02	.080
804- 805	100- 1	0.0	1.12	1.76	-9.37	-.22	-.01	-.05	.09	.32		.04	.04	.018
		5.7	1.12	1.28	1.89	-.11	-.01	-.05	.09	.08		.02	.02	.008
		11.4	1.12	.81	5.30	.01	-.01	-.05	.09	.18		.00	.00	.012
		17.1	1.12	.34	1.03	.12	-.01	-.05	.09	.04		.02	.02	.006
		22.8	1.12	-.13	-11.10	.23	-.01	-.05	.09	.37		.04	.04	.020
804- 806	140- 1	0.0	-7.73	-1.59	-23.32	-.38	.07	2.04	-.36	-.34		.05	.05	.040
		5.7	-7.72	3.22	-1.57	-.25	.07	2.04	-.36	-.05		.04	.04	.028
		11.4	-7.71	7.05	11.47	-.13	.04	2.04	-.36	-.19		.03	.03	.034
		17.1	-7.70	8.94	15.82	-.00	.01	2.04	-.36	-.26		.02	.02	.037
		22.8	-7.69	7.90	11.47	.13	-.04	2.04	-.36	-.20		.03	.03	.034
805- 806	140- 1	0.0	4.84	-2.88	-15.65	-.15	.07	-1.34	.23	.23		.03	.03	.020
		5.7	4.84	1.79	-5.25	-.15	.07	-1.34	.23	.08		.03	.03	.014
		11.4	4.84	6.48	5.19	-.15	.07	-1.34	.23	.12		.03	.03	.016
		17.1	4.84	11.15	15.61	-.15	.07	-1.34	.23	.28		.03	.03	.022
		22.8	4.84	15.80	26.03	-.15	.07	-1.34	.23	.44		.03	.03	.029
809- 901	200- 1	0.0	22.65	65.43	84.14	.91	-.39	3.99	.60	.60		.06	.06	.053
		14.9	22.60	8.05	-32.57	.42	-.25	3.99	.59	.19		.04	.04	.035
		29.8	22.59	-20.70	-69.14	-.00	-.07	3.99	.59	.40		.02	.02	.044
		44.7	22.59	-18.04	-31.89	-.41	.10	3.99	.59	.21		.03	.03	.036
		59.6	22.58	14.29	79.09	-.83	.27	3.99	.59	.65		.06	.06	.046
808- 906	JL8- 1	0.0	63.00	37.16	1.20	-1.14	1.52	76.67	.89	.05		.10	.10	.043
		8.1	62.98	131.07	81.78	-.52	.43	76.67	.89	.20		.07	.07	.050
		16.2	62.98	125.05	105.15	.03	-.54	76.67	.89	.21		.06	.06	.050
		24.3	63.01	30.79	77.16	.53	-1.38	76.67	.89	.11		.09	.09	.046
		32.4	63.04	-142.21	1.57	1.02	-2.16	76.67	.89	.18		.12	.12	.049
810- 910	P2- 1	0.0	4.17	-60.05	-435.65	-1.12	-.15	-12.18	.02	.18		.01	.01	.008
		8.1	4.17	-74.84	-326.85	-1.12	-.15	-12.18	.02	.14		.01	.01	.007
		16.2	4.17	-89.23	-218.05	-1.12	-.15	-12.18	.02	.10		.01	.01	.005
		24.3	4.17	-103.63	-109.25	-1.12	-.15	-12.18	.02	.06		.01	.01	.003
		32.4	4.17	-118.42	-.45	-1.12	-.15	-12.18	.02	.05		.01	.01	.003
811- 911	P2- 1	0.0	114.38	-425.77	131.05	.82	1.81	20.44	.46	.19		.02	.02	.029
		8.1	114.38	-249.97	51.33	.82	1.81	20.44	.46	.11		.02	.02	.026
		16.2	114.38	-74.17	-28.40	.82	1.81	20.44	.46	.03		.02	.02	.022
		24.3	114.38	101.64	-108.12	.82	1.81	20.44	.46	.06		.02	.02	.024
		32.4	114.38	277.44	-187.85	.82	1.81	20.44	.46	.14		.02	.02	.027

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
812- 912	#2- 1	0.0	-117.07	478.78	271.48	.15	-1.68	30.92	-.47	-.23		.02	.02	.033
		8.1	-117.07	314.65	256.17	.16	-1.68	30.92	-.47	-.17		.02	.02	.030
		16.2	-117.07	150.87	240.87	.16	-1.68	30.92	-.47	-.12		.02	.02	.028
		24.3	-117.07	-13.09	225.57	.16	-1.68	30.92	-.47	-.09		.02	.02	.027
		32.4	-117.07	-177.05	210.27	.16	-1.68	30.92	-.47	-.11		.02	.02	.028
901- 902	109- 1	0.0	-3.99	8.24	26.12	-.09	-.02	-2.35	-.16	-.30		.02	.02	.025
		6.9	-3.99	6.31	24.26	-.04	-.02	-2.35	-.16	-.32		.02	.02	.025
		13.7	-3.99	4.38	19.11	.18	-.02	-2.35	-.16	-.21		.03	.03	.021
		20.6	-3.99	2.46	-1.51	.52	-.02	-2.35	-.16	-.03		.04	.04	.013
		27.4	-3.99	.53	-33.01	.45	-.02	-2.35	-.16	-.36		.05	.05	.027
901- 904	109- 1	0.0	-10.49	-9.12	30.51	.00	.02	-2.06	-.43	-.35		.01	.01	.047
		6.9	-10.52	-7.09	26.45	.10	.02	-2.06	-.43	-.30		.02	.02	.045
		13.7	-10.54	-5.06	14.68	.19	.02	-2.06	-.43	-.17		.03	.03	.039
		20.6	-10.57	-3.03	-4.78	.28	.02	-2.06	-.43	-.06		.03	.03	.035
		27.4	-10.59	-1.00	-31.94	.38	.02	-2.06	-.44	-.35		.04	.04	.047
901-1001	JL9- 1	0.0	.11	-31.05	56.99	1.58	.02	-33.60	.00	.08		.07	.07	.004
		8.1	.11	-26.52	-57.60	.79	.05	-33.60	.00	.08		.04	.04	.004
		16.2	.12	-22.00	-98.62	.06	.09	-33.60	.00	.13		.02	.02	.005
		24.3	.13	-11.50	-69.18	-.66	.13	-33.60	.00	.09		.04	.04	.004
		32.4	.13	2.47	28.72	-1.54	.15	-33.60	.00	.04		.06	.06	.002
901-1002	100- 1	0.0	16.69	27.12	-8.81	-.32	-.30	-4.21	.61	.24		.05	.05	.038
		10.6	16.69	-.47	18.65	-.12	-.14	-4.21	.61	.16		.03	.03	.035
		21.1	16.68	-7.64	21.24	.07	.01	-4.21	.61	.19		.02	.02	.036
		31.7	16.65	.31	4.50	.19	.10	-4.21	.60	.04		.03	.03	.030
		42.2	16.60	15.93	-26.01	.29	.14	-4.21	.60	.26		.04	.04	.039
901-1004	100- 1	0.0	-18.87	-6.66	-8.53	-.26	.11	-2.97	-.69	-.09		.03	.03	.045
		10.6	-18.85	.66	15.05	-.12	.02	-2.97	-.69	-.13		.02	.02	.040
		21.1	-18.89	.65	20.93	.02	-.02	-2.97	-.69	-.18		.01	.01	.048
		31.7	-18.92	-4.44	9.09	.16	-.06	-2.97	-.69	-.09		.03	.03	.044
		42.2	-18.95	-14.57	-20.46	.30	-.10	-2.97	-.69	-.21		.04	.04	.050
902- 903	109- 1	0.0	-3.41	1.12	-20.37	-.31	-.04	1.51	-.14	-.22		.03	.03	.020
		6.9	-3.41	-2.13	.13	-.19	-.04	1.51	-.14	-.02		.02	.02	.011
		13.7	-3.41	-5.37	10.77	-.08	-.04	1.51	-.14	-.13		.02	.02	.016
		20.6	-3.41	-8.62	12.95	.02	-.04	1.51	-.14	-.17		.01	.01	.018
		27.4	-3.41	-11.86	8.08	.10	-.04	1.51	-.14	-.16		.02	.02	.017
902- 904	109- 1	0.0	-.09	-1.71	-1.42	-.01	.01	.95	-.01	-.07		.02	.02	.004
		6.9	-.09	-.80	-.94	-.01	.01	.95	-.01	-.04		.02	.02	.002
		13.7	-.09	-.01	-.45	-.01	.01	.95	-.01	-.02		.02	.02	.001
		20.6	-.09	.85	.04	-.01	.01	.95	-.01	-.03		.02	.02	.002
		27.4	-.09	1.70	.53	-.01	.01	.95	-.01	-.06		.02	.02	.003

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
902- 905	109- 1	0.0	-.90	-1.95	-11.21	-.19	.01	-.42	-.08	-.38		.04	.04	.021
		6.9	-.93	-1.49	.57	-.10	.01	-.42	-.08	-.05		.02	.02	.008
		13.7	-.95	-1.02	4.65	-.00	.01	-.42	-.08	-.16		.01	.01	.012
		20.6	-.98	-.56	1.03	.09	.01	-.42	-.08	-.04		.02	.02	.007
		27.4	-1.01	-.09	-10.29	.18	.01	-.42	-.08	-.34		.04	.04	.020
903- 905	169- 1	0.0	14.08	-14.89	-18.82	-.07	-.01	-.70	.58	.26		.01	.01	.038
		6.9	14.08	-13.45	-13.08	-.07	.04	-.70	.58	.21		.01	.01	.035
		13.7	14.08	-9.19	-7.33	-.07	.06	-.70	.58	.13		.01	.01	.032
		20.6	14.08	-4.46	-1.59	-.07	.06	-.70	.58	.05		.01	.01	.029
		27.4	14.08	.27	4.15	-.07	.06	-.70	.58	.05		.01	.01	.029
903-1002	180- 1	0.0	-16.80	-.90	23.97	.38	-.03	2.03	-.61	-.20		.04	.04	.045
		10.6	-16.79	-3.80	-11.01	.17	-.02	2.03	-.61	-.10		.02	.02	.040
		21.1	-16.77	-4.78	-19.85	-.02	-.00	2.03	-.61	-.17		.01	.01	.043
		31.7	-16.77	-4.28	-8.72	-.14	.01	2.03	-.61	-.08		.02	.02	.040
		42.2	-16.76	-2.77	16.23	-.25	.02	2.03	-.61	-.14		.03	.03	.042
905-1003	3L9- 1	0.0	-3.62	102.35	-74.84	-.74	-1.10	36.34	-.05	-.16		.06	.06	.009
		6.1	-3.61	22.03	-18.58	-.42	-.57	36.34	-.05	-.04		.04	.04	.004
		16.2	-3.62	-10.49	7.96	-.13	-.11	36.34	-.05	-.02		.03	.03	.003
		24.3	-3.63	-.08	8.70	.11	.31	36.34	-.05	-.01		.03	.03	.003
		32.4	-3.65	48.39	-12.16	.32	.67	36.34	-.05	-.06		.04	.04	.005
903-1005	180- 1	0.0	-31.73	-36.55	-8.43	.05	.32	3.21	-1.15	-.32		.04	.04	.082
		10.6	-31.71	-5.51	-11.56	.00	.17	3.21	-1.15	-.11		.03	.03	.073
		21.1	-31.69	7.57	-9.20	-.04	.03	3.21	-1.15	-.10		.02	.02	.073
		31.7	-31.67	2.71	-1.29	-.08	-.11	3.21	-1.15	-.03		.02	.02	.069
		42.2	-31.66	-20.10	12.10	-.13	-.25	3.21	-1.15	-.20		.03	.03	.077
904- 905	109- 1	0.0	.94	1.95	-6.69	-.13	-.01	-.44	.08	.23		.03	.03	.013
		6.9	.94	1.46	1.34	-.06	-.01	-.44	.08	.07		.02	.02	.006
		13.7	.94	.97	3.75	.01	-.01	-.44	.08	.13		.01	.01	.009
		20.6	.94	.49	.47	.07	-.01	-.44	.08	.02		.02	.02	.005
		27.4	.94	-.00	-8.42	.14	-.01	-.44	.08	.28		.03	.03	.015
904- 906	169- 1	0.0	-11.23	-1.57	-24.73	-.50	.04	1.79	-.46	-.27		.03	.03	.046
		6.9	-11.25	1.80	-4.23	-.20	.04	1.79	-.46	-.05		.03	.03	.036
		13.7	-11.26	5.18	8.57	-.11	.04	1.79	-.46	-.11		.02	.02	.039
		20.6	-11.30	8.55	13.66	-.02	.04	1.79	-.46	-.18		.01	.01	.042
		27.4	-11.33	11.92	11.04	.08	.04	1.79	-.47	-.18		.02	.02	.042
905- 906	169- 1	0.0	12.82	-.52	-14.56	-.11	.06	-.62	.53	.16		.01	.01	.031
		6.9	12.82	4.19	-5.49	-.11	.06	-.62	.53	.08		.01	.01	.028
		13.7	12.82	8.90	3.58	-.11	.06	-.62	.53	.10		.01	.01	.029
		20.6	12.82	13.61	12.66	-.11	.06	-.62	.53	.20		.01	.01	.033
		27.4	12.82	18.32	21.73	-.11	.06	-.62	.53	.31		.01	.01	.037

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
906-1004	180- 1	0.0	18.99	10.05	20.39	.50	-.05	-.12	.69	.19		.02	.02	.040
		10.6	19.01	4.99	-8.02	.15	-.03	-.12	.69	.08		.01	.01	.035
		21.1	19.02	2.30	-17.76	.00	-.01	-.12	.69	.15		.00	.00	.036
		31.7	19.04	1.97	-8.87	-.14	.01	-.12	.69	.08		.01	.01	.035
		42.2	19.05	3.98	18.68	-.29	.03	-.12	.69	.16		.02	.02	.039
906-1005	180- 1	0.0	31.86	23.26	-23.69	-.16	-.25	1.45	1.16	.28		.03	.03	.066
		10.6	31.84	-.19	-6.71	-.10	-.12	1.45	1.16	.06		.02	.02	.056
		21.1	31.82	-6.67	2.48	-.04	.02	1.45	1.16	.06		.01	.01	.056
		31.7	31.79	5.81	3.91	.02	.15	1.45	1.16	.05		.02	.02	.056
		42.2	31.77	31.24	-2.44	.08	.28	1.45	1.16	.27		.03	.03	.065
906-1006	JL9- 1	0.0	3.56	-88.16	58.39	-.74	1.47	12.36	.05	.12		.05	.05	.007
		6.1	3.58	19.40	87.60	-.28	.75	12.36	.05	.11		.03	.03	.007
		16.2	3.57	58.83	93.39	.15	.07	12.36	.05	.14		.01	.01	.008
		24.3	3.54	53.91	59.05	.56	-.58	12.36	.05	.09		.03	.03	.006
		32.4	3.52	-54.60	-14.75	.96	-1.24	12.36	.05	.07		.05	.05	.005
1010- 910	P3- 1	0.0	4.17	88.29	741.44	1.90	-.53	-12.16	.02	.31		.02	.02	.014
		8.1	4.17	50.01	556.17	1.90	-.53	-12.16	.02	.23		.02	.02	.011
		16.2	4.17	-15.06	370.89	1.90	-.53	-12.16	.02	.15		.02	.02	.007
		24.3	4.17	-66.74	185.62	1.90	-.53	-12.16	.02	.08		.02	.02	.004
		32.4	4.17	-118.42	.34	1.90	-.53	-12.16	.02	.05		.02	.02	.003
1011- 911	P3- 1	0.0	114.39	-748.57	-462.49	-1.67	2.64	26.54	.46	.37		.03	.03	.037
		8.1	114.39	-492.02	-299.97	-1.67	2.64	26.54	.46	.24		.03	.03	.031
		16.2	114.39	-235.48	-137.45	-1.67	2.64	26.54	.46	.11		.03	.03	.026
		24.3	114.39	21.07	25.07	-1.67	2.64	26.54	.46	.01		.03	.03	.022
		32.4	114.39	277.61	187.59	-1.67	2.64	26.54	.46	.14		.03	.03	.027
1012- 912	P3- 1	0.0	-117.08	680.52	-129.36	.21	-2.20	30.92	-.47	-.29		.02	.02	.035
		8.1	-117.08	456.15	-149.59	.21	-2.20	30.92	-.47	-.20		.02	.02	.032
		16.2	-117.08	251.75	-169.81	.21	-2.20	30.92	-.47	-.13		.02	.02	.028
		24.3	-117.08	37.34	-190.04	.21	-2.20	30.92	-.47	-.08		.02	.02	.027
		32.4	-117.08	-177.05	-210.27	.21	-2.20	30.92	-.47	-.11		.02	.02	.028
1001-1002	200- 1	0.0	-23.01	29.16	14.78	-.23	-.12	-.07	-.60	-.18		.01	.01	.050
		8.0	-23.01	18.05	28.79	-.07	-.12	-.07	-.60	-.19		.01	.01	.050
		16.0	-23.01	6.90	27.40	.09	-.12	-.07	-.60	-.16		.01	.01	.049
		24.0	-23.01	-4.22	11.26	.23	-.12	-.07	-.60	-.07		.01	.01	.045
		32.0	-23.01	-15.35	-16.43	.33	-.12	-.07	-.60	-.13		.02	.02	.048
1001-1004	200- 1	0.0	22.23	-29.46	23.09	-.11	.09	4.22	.58	.21		.02	.02	.036
		8.0	22.20	-20.77	24.44	-.00	.09	4.22	.58	.20		.02	.02	.035
		16.0	22.17	-12.09	23.26	.11	.09	4.22	.58	.15		.02	.02	.033
		24.0	22.14	-3.40	7.60	.22	.09	4.22	.58	.05		.02	.02	.029
		32.0	22.11	5.28	-18.60	.33	.09	4.22	.58	.11		.03	.03	.031

LOAD CONDITION NO. 3

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1003	200- 1	0.0	-.48	3.47	-10.76	-.21	-.05	-7.37	-.01	-.06		.03	.03	.004
		8.0	-.48	-1.38	5.61	-.13	-.05	-7.37	-.01	-.03		.03	.03	.002
		16.0	-.48	-6.23	14.29	-.05	-.05	-7.37	-.01	-.09		.02	.02	.005
		24.0	-.48	-11.09	15.26	.03	-.05	-7.37	-.01	-.11		.02	.02	.005
		32.0	-.48	-15.94	8.54	.11	-.05	-7.37	-.01	-.10		.03	.03	.005
1002-1004	140- 1	0.0	-.02	-16.59	-1.08	-.00	.09	3.18	-.00	-.31		.04	.04	.013
		8.0	-.02	-8.08	-.70	-.00	.09	3.18	-.00	-.15		.04	.04	.006
		16.0	-.02	.43	-.31	-.00	.09	3.18	-.00	-.01		.04	.04	.000
		24.0	-.02	8.94	.07	-.00	.09	3.18	-.00	-.17		.04	.04	.007
		32.0	-.02	17.45	.45	-.00	.09	3.18	-.00	-.33		.04	.04	.014
1002-1005	140- 1	0.0	-1.31	-15.37	-9.35	-.14	.06	-1.23	-.08	-.34		.03	.03	.019
		8.0	-1.27	-9.12	.79	-.07	.06	-1.23	-.08	-.17		.02	.02	.012
		16.0	-1.23	-2.88	4.24	-.00	.06	-1.23	-.08	-.10		.02	.02	.009
		24.0	-1.19	3.37	1.02	.07	.06	-1.23	-.07	-.07		.02	.02	.007
		32.0	-1.15	9.62	-8.87	.14	.06	-1.23	-.07	-.25		.03	.03	.015
1003-1005	200- 1	0.0	24.17	-46.25	-29.31	-.10	.20	-1.40	.64	.31		.02	.02	.042
		8.0	24.17	-27.34	-19.73	-.10	.20	-1.40	.64	.19		.02	.02	.037
		16.0	24.17	-8.44	-10.15	-.10	.20	-1.40	.64	.07		.02	.02	.033
		24.0	24.17	10.46	-.58	-.10	.20	-1.40	.64	.06		.02	.02	.032
		32.0	24.17	29.36	9.00	-.10	.20	-1.40	.64	.17		.02	.02	.037
1004-1005	140- 1	0.0	1.42	9.44	-9.49	-.16	-.03	-1.32	.09	.25		.03	.03	.015
		8.0	1.42	6.49	1.72	-.08	-.03	-1.32	.09	.13		.02	.02	.009
		16.0	1.42	3.55	5.24	.00	-.03	-1.32	.09	.12		.02	.02	.009
		24.0	1.42	.61	1.05	.08	-.03	-1.32	.09	.02		.02	.02	.005
		32.0	1.42	-2.33	-10.83	.16	-.03	-1.32	.09	.21		.03	.03	.013
1004-1006	200- 1	0.0	-3.52	-10.46	-7.48	-.22	.08	-2.65	-.09	-.07		.02	.02	.010
		8.0	-3.55	-2.41	8.57	-.11	.08	-2.65	-.09	-.05		.01	.01	.009
		16.0	-3.58	5.65	14.09	-.00	.08	-2.65	-.09	-.08		.01	.01	.010
		24.0	-3.61	13.71	9.10	.11	.08	-2.65	-.09	-.09		.01	.01	.011
		32.0	-3.64	21.76	-6.41	.22	.08	-2.65	-.10	-.13		.02	.02	.012
1005-1006	200- 1	0.0	-18.97	-16.97	-7.89	-.08	.17	3.40	-.50	-.10		.02	.02	.039
		8.0	-18.97	-.85	-.66	-.08	.17	3.40	-.50	-.01		.02	.02	.035
		16.0	-18.97	15.31	6.57	-.08	.17	3.40	-.50	-.09		.02	.02	.039
		24.0	-18.97	31.45	13.80	-.08	.17	3.40	-.50	-.19		.02	.02	.043
		32.0	-18.97	47.59	21.03	-.08	.17	3.40	-.50	-.29		.02	.02	.047

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	CUMB. UNITY CHECK
									KSI					
101- 102 W16- 1		0.0	.01	-.05	-.39	-.00	.00	.00	.00	-.00	-.04	.00	.00	.002
		3.6	.01	-.03	-.25	-.00	.00	.00	.00	-.00	-.02	.00	.00	.001
		7.3	.01	-.01	-.11	-.00	.00	.00	.00	-.00	-.01	.00	.00	.000
		10.9	.01	.00	.03	-.00	.00	.00	.00	.00	.00	.00	.00	.000
		14.5	.01	.02	.17	-.00	.00	.00	.00	.00	.02	.00	.00	.001
101- 104 W16- 1		0.0	.00	-.05	-.39	-.00	.00	-.00	.00	-.00	-.04	.00	.00	.002
		3.6	.00	-.03	-.25	-.00	.00	-.00	.00	-.00	-.02	.00	.00	.001
		7.2	.00	-.02	-.11	-.00	.00	-.00	.00	-.00	-.01	.00	.00	.000
		10.9	.00	-.01	.03	-.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		14.5	.00	.00	.17	-.00	.00	-.00	.00	.00	.02	.00	.00	.001
101- 201 UAL- 1		0.0	.00	.04	-.07	-.01	-.01	-.77	.00	.00		.00	.00	.000
		3.8	.00	-.33	.24	-.01	-.01	-.77	.00	.00		.00	.00	.000
		7.5	.00	-.71	.54	-.01	-.01	-.77	.00	.00		.00	.00	.000
		11.3	.00	-1.08	.85	-.01	-.01	-.77	.00	.00		.00	.00	.000
		15.0	.00	-1.45	1.15	-.01	-.01	-.77	.00	.00		.00	.00	.000
102- 103 W16- 1		0.0	.00	.02	.15	.00	.00	-.00	.00	.00	.01	.00	.00	.001
		3.8	.00	.04	.05	.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.3	.00	.05	-.05	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		10.9	.00	.07	-.16	.00	.00	-.00	.00	.00	-.01	.00	.00	.001
		14.5	.00	.09	-.26	.00	.00	-.00	.00	.00	-.02	.00	.00	.001
102- 104 W08- 1		0.0	-.00	-.00	.02	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.00	-.00	.01	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		7.2	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.02	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
102- 105 W08- 1		0.0	.01	.00	.01	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		3.6	.01	.00	.00	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.01	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		10.9	.01	.00	.02	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.01	.00	.03	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
103- 105 W16- 1		0.0	-.01	.12	.20	.00	-.00	.00	-.00	.00	.02	.00	.00	.001
		3.6	-.01	.09	.14	.00	-.00	.00	-.00	.00	.01	.00	.00	.001
		7.2	-.01	.05	.09	.00	-.00	.00	-.00	.00	.01	.00	.00	.000
		10.9	-.01	.02	.03	.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		14.5	-.01	-.01	-.03	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
103- 203 UAL- 1		0.0	-.00	-.11	-.15	.00	.00	.46	-.00	-.00		.00	.00	.000
		3.8	-.00	-.02	-.17	.00	.00	.46	-.00	-.00		.00	.00	.000
		7.5	-.00	.06	-.18	.00	.00	.46	-.00	-.00		.00	.00	.000
		11.3	-.00	.14	-.20	.00	.00	.46	-.00	-.00		.00	.00	.000
		15.0	-.00	.23	-.21	.00	.00	.46	-.00	-.00		.00	.00	.000

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHEC
									KSI					
104- 105 H06- 1		0.0	-.01	.00	-.01	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.8	-.01	.00	.00	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		7.3	-.01	.00	.01	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.01	-.00	.02	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		14.5	-.01	-.00	.04	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
104- 106 H16- 1		0.0	.01	-.00	.16	.00	.00	-.00	.00	-.00	.01	.00	.00	.001
		3.8	.01	.01	.05	.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.3	.01	.03	-.06	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		10.9	.01	.04	-.17	.00	.00	-.00	.00	.00	-.02	.00	.00	.001
		14.5	.01	.05	-.27	.00	.00	-.00	.00	.00	-.03	.00	.00	.001
105- 106 H16- 1		0.0	.00	-.01	.04	.00	-.00	-.00	.00	-.00	.00	.00	.00	.000
		3.8	.00	-.05	-.02	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.00	-.08	-.09	.00	-.00	-.00	.00	-.00	-.01	.00	.00	.000
		10.9	.00	-.12	-.15	.00	-.00	-.00	.00	-.00	-.01	.00	.00	.001
		14.5	.00	-.15	-.22	.00	-.00	-.00	.00	-.00	-.02	.00	.00	.001
106- 206 DAL- 1		0.0	.01	-.18	-.24	-.00	-.00	.74	.00	.00		.00	.00	.000
		3.8	.01	-.32	-.17	-.00	-.00	.74	.00	.00		.00	.00	.000
		7.5	.01	-.46	-.09	-.00	-.00	.74	.00	.00		.00	.00	.000
		11.3	.01	-.60	-.01	-.00	-.00	.74	.00	.00		.00	.00	.000
		15.0	.01	-.74	.06	-.00	-.00	.74	.00	.00		.00	.00	.000
201- 202 H16- 1		0.0	-.11	.03	-.41	-.00	.00	.00	-.01	.00	-.04	.00	.00	.002
		3.8	-.11	.04	-.26	-.00	.00	.00	-.01	.00	-.02	.00	.00	.002
		7.3	-.11	.04	-.11	-.00	.00	.00	-.01	.00	-.01	.00	.00	.001
		10.9	-.11	.05	.03	-.00	.00	.00	-.01	.00	.00	.00	.00	.001
		14.5	-.11	.05	.18	-.00	.00	.00	-.01	.00	.02	.00	.00	.001
201- 204 H16- 1		0.0	-.03	.14	-.41	-.00	-.00	-.00	-.00	.00	-.04	.00	.00	.002
		3.8	-.03	.11	-.26	-.00	-.00	-.00	-.00	.00	-.02	.00	.00	.001
		7.2	-.03	.08	-.12	-.00	-.00	-.00	-.00	.00	-.01	.00	.00	.001
		10.9	-.03	.05	.03	-.00	-.00	-.00	-.00	.00	.00	.00	.00	.001
		14.5	-.03	.03	.18	-.00	-.00	-.00	-.00	.00	.02	.00	.00	.001
201- 301 DAL- 1		0.0	-.03	-1.46	1.26	.09	.02	-3.56	-.00	-.00		.00	.00	.000
		3.8	-.03	-.42	-2.77	.09	.02	-3.56	-.00	-.00		.00	.00	.000
		7.5	-.03	.61	-6.79	.09	.02	-3.56	-.00	-.01		.00	.00	.000
		11.3	-.03	1.65	-10.42	.09	.02	-3.56	-.00	-.02		.00	.00	.001
		15.0	-.03	2.69	-14.85	.09	.02	-3.56	-.00	-.02		.00	.00	.001
201- 303 120- 1		0.0	.05	.20	-.93	-.00	-.00	.18	.00	.02		.00	.00	.001
		8.2	.05	.06	-.82	-.00	-.00	.18	.00	.01		.00	.00	.001
		16.3	.05	-.08	-.70	-.00	-.00	.18	.00	.01		.00	.00	.001
		24.5	.05	-.21	-.58	-.00	-.00	.18	.00	.01		.00	.00	.001
		32.8	.05	-.35	-.47	-.00	-.00	.18	.00	.01		.00	.00	.001

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
202- 203 W16- 1		0.0	-.11	.05	.17	.00	.00	-.00	-.01	.00	.02	.00	.00	.001
		3.6	-.11	.06	.06	.00	.00	-.00	-.01	.00	.01	.00	.00	.001
		7.3	-.11	.06	-.06	.00	.00	-.00	-.01	.00	-.01	.00	.00	.001
		10.9	-.11	.07	-.17	.00	.00	-.00	-.01	.00	-.02	.00	.00	.001
		14.5	-.11	.07	-.28	.00	.00	-.00	-.01	.00	-.03	.00	.00	.002
202- 204 W08- 1		0.0	.00	-.00	.02	.00	-.00	-.00	.00	-.00	.00	.00	.00	.000
		3.6	.00	-.00	.01	.00	-.00	-.00	.00	-.00	.00	.00	.00	.000
		7.2	.00	-.00	-.00	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		10.9	.00	-.00	-.01	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		14.5	.00	-.00	-.02	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
202- 205 W08- 1		0.0	.01	.00	-.01	-.00	-.00	-.00	.00	.00	-.00	.00	.00	.000
		3.6	.01	.00	.00	-.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.01	.00	.01	-.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		10.9	.01	.00	.03	-.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.01	.00	.04	-.00	-.00	-.00	.00	.00	.01	.00	.00	.000
203- 205 W16- 1		0.0	.07	.17	.22	.00	-.00	.00	.00	.00	.02	.00	.00	.001
		3.6	.07	.12	.15	.00	-.00	.00	.00	.00	.01	.00	.00	.001
		7.2	.07	.07	.09	.00	-.00	.00	.00	.00	.01	.00	.00	.001
		10.9	.07	.02	.02	.00	-.00	.00	.00	.00	.00	.00	.00	.000
		14.5	.07	-.03	-.04	.00	-.00	.00	.00	-.00	-.00	.00	.00	.000
203- 303 DRL- 1		0.0	-.02	.52	-.94	-.07	-.09	2.24	-.00	-.00		.00	.00	.000
		3.8	-.02	-3.41	2.32	-.07	-.09	2.24	-.00	-.01		.00	.00	.000
		7.5	-.02	-7.34	5.58	-.07	-.09	2.24	-.00	-.01		.00	.00	.001
		11.3	-.02	-11.27	8.84	-.07	-.09	2.24	-.00	-.02		.00	.00	.001
		15.0	-.02	-15.20	12.10	-.07	-.09	2.24	-.00	-.03		.00	.00	.001
203- 306 120- 1		0.0	.03	-.10	1.46	.01	.00	.05	.00	.03		.00	.00	.001
		8.2	.03	-.01	.72	.01	.00	.05	.00	.01		.00	.00	.001
		16.3	.03	.07	-.02	.01	.00	.05	.00	.00		.00	.00	.000
		24.5	.03	.15	-.76	.01	.00	.05	.00	.01		.00	.00	.001
		32.6	.03	.23	-1.50	.01	.00	.05	.00	.03		.00	.00	.001
204- 205 W08- 1		0.0	-.01	.00	-.01	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.01	.00	.00	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		7.3	-.01	.00	.02	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.01	-.00	.03	-.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		14.5	-.01	-.00	.04	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
204- 206 W18- 1		0.0	-.03	.02	.16	.00	-.00	-.00	-.00	.00	.02	.00	.00	.001
		3.6	-.03	-.00	.05	.00	-.00	-.00	-.00	-.00	.00	.00	.00	.000
		7.3	-.03	-.03	-.06	.00	-.00	-.00	-.00	-.00	-.01	.00	.00	.000
		10.9	-.03	-.06	-.17	.00	-.00	-.00	-.00	-.00	-.02	.00	.00	.001
		14.5	-.03	-.08	-.28	.00	-.00	-.00	-.00	-.00	-.03	.00	.00	.001

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4 DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
205- 206 M10- 1		0.0	.07	-.05	.03	.00	-.00	.00	.00	-.00	.00	.00	.00	.000
		3.6	.07	-.08	-.03	.00	-.00	.00	.00	-.00	-.00	.00	.00	.000
		7.3	.07	-.13	-.09	.00	-.00	.00	.00	-.00	-.01	.00	.00	.001
		10.9	.07	-.18	-.15	.00	-.00	.00	.00	-.00	-.01	.00	.00	.001
		14.5	.07	-.23	-.22	.00	-.00	.00	.00	-.00	-.02	.00	.00	.001
206- 301 120- 1		0.0	.01	.10	-.00	-.00	-.00	-.23	.00	.00		.00	.00	.000
		8.2	.01	.02	.36	-.00	-.00	-.23	.00	.01		.00	.00	.000
		16.3	.01	-.08	.72	-.00	-.00	-.23	.00	.01		.00	.00	.001
		24.5	.01	-.18	1.08	-.00	-.00	-.23	.00	.02		.00	.00	.001
		32.6	.01	-.21	1.44	-.00	-.00	-.23	.00	.03		.00	.00	.001
206- 306 UKL- 1		0.0	.00	-1.03	-.24	-.05	.04	1.34	.00	.00		.00	.00	.000
		3.8	.00	.94	2.00	-.05	.04	1.34	.00	.00		.00	.00	.000
		7.5	.00	2.91	4.25	-.05	.04	1.34	.00	.01		.00	.00	.000
		11.3	.00	4.89	6.49	-.05	.04	1.34	.00	.01		.00	.00	.001
		15.0	.00	6.86	8.74	-.05	.04	1.34	.00	.02		.00	.00	.001
301- 303 123- 1		0.0	.34	-.30	-1.67	-.00	.00	-.12	.02	.03		.00	.00	.002
		7.3	.34	-.26	-1.29	-.00	.00	-.12	.02	.02		.00	.00	.002
		14.5	.34	-.22	-.90	-.00	.00	-.12	.02	.02		.00	.00	.002
		21.7	.34	-.18	-.52	-.00	.00	-.12	.02	.01		.00	.00	.001
		29.0	.34	-.14	-.14	-.00	.00	-.12	.02	.00		.00	.00	.001
301- 306 123- 1		0.0	.04	-.26	-1.50	-.00	.00	.15	.00	.03		.00	.00	.001
		7.2	.04	-.16	-1.20	-.00	.00	.15	.00	.02		.00	.00	.001
		14.5	.04	-.06	-.90	-.00	.00	.15	.00	.02		.00	.00	.001
		21.7	.04	.04	-.60	-.00	.00	.15	.00	.01		.00	.00	.001
		29.0	.04	.14	-.31	-.00	.00	.15	.00	.01		.00	.00	.000
301- 401 UKL- 1		0.0	.08	5.59	-16.97	-.18	-.02	-9.34	.00	.03		.01	.01	.001
		7.1	.08	1.28	-2.00	-.18	-.02	-9.34	.00	.00		.01	.01	.000
		14.2	.08	-.03	12.97	-.18	-.02	-9.34	.00	.02		.01	.01	.001
		21.4	.08	-2.94	27.94	-.18	-.02	-9.34	.00	.04		.01	.01	.002
		28.5	.08	-5.04	42.91	-.18	-.02	-9.34	.00	.07		.01	.01	.003
303- 306 123- 1		0.0	-.26	.17	1.95	.01	-.00	-.10	-.01	-.03		.00	.00	.002
		7.2	-.26	.16	.97	.01	-.00	-.10	-.01	-.02		.00	.00	.002
		14.5	-.26	.15	.00	.01	-.00	-.10	-.01	-.00		.00	.00	.001
		21.7	-.26	.13	-.97	.01	-.00	-.10	-.01	-.02		.00	.00	.002
		29.0	-.26	.12	-1.94	.01	-.00	-.10	-.01	-.03		.00	.00	.002
303- 403 UKL- 1		0.0	.01	-15.56	12.59	.17	.14	4.82	.00	.03		.01	.01	.001
		7.1	.01	-5.67	-2.10	.17	.14	4.82	.00	.01		.01	.01	.000
		14.2	.01	8.23	-16.78	.17	.14	4.82	.00	.03		.01	.01	.001
		21.4	.01	20.13	-31.47	.17	.14	4.82	.00	.06		.01	.01	.002
		28.5	.01	32.03	-46.15	.17	.14	4.82	.00	.09		.01	.01	.004

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306- 406 DRL- 1		0.0	.02	7.74	8.32	.10	-.12	4.95	.00	.02		.01	.01	.001
		7.1	.02	-2.30	-.10	.10	-.12	4.95	.00	.00		.01	.01	.000
		14.2	.02	-12.34	-8.51	.10	-.12	4.95	.00	.02		.01	.01	.001
		21.4	.02	-22.38	-16.92	.10	-.12	4.95	.00	.04		.01	.01	.002
		28.5	.02	-32.41	-25.34	.10	-.12	4.95	.00	.06		.01	.01	.003
401- 501 JL4- 1		0.0	5.36	18.02	10.24	.88	.61	-22.74	.02	.01		.01	.01	.001
		1.1	5.36	28.55	-1.76	.88	.61	-22.74	.02	.01		.01	.01	.001
		2.3	5.36	34.08	-13.75	.88	.61	-22.74	.02	.01		.01	.01	.002
		3.4	5.36	43.01	-25.75	.88	.61	-22.74	.02	.02		.01	.01	.002
		4.6	5.36	51.34	-37.74	.88	.61	-22.74	.02	.02		.01	.01	.002
401- 510 P1- 1		0.0	-5.25	21.57	-25.76	-.81	-.46	10.68	-.02	-.02		.01	.01	.002
		1.1	-5.25	15.23	-14.66	-.81	-.46	10.68	-.02	-.01		.01	.01	.002
		2.3	-5.25	8.89	-3.56	-.81	-.46	10.68	-.02	-.00		.01	.01	.001
		3.4	-5.25	2.55	7.54	-.81	-.46	10.68	-.02	-.00		.01	.01	.001
		4.6	-5.25	-3.79	18.65	-.81	-.46	10.68	-.02	-.01		.01	.01	.001
403- 503 JL4- 1		0.0	67.94	41.25	11.81	-.59	.22	27.91	.27	.02		.01	.01	.013
		1.1	67.94	44.24	19.91	-.59	.22	27.91	.27	.02		.01	.01	.013
		2.3	67.94	47.22	28.01	-.59	.22	27.91	.27	.02		.01	.01	.013
		3.4	67.94	50.20	36.12	-.59	.22	27.91	.27	.02		.01	.01	.013
		4.6	67.94	53.18	44.22	-.59	.22	27.91	.27	.02		.01	.01	.013
403- 511 P1- 1		0.0	-64.04	-16.42	58.86	.43	-.23	-14.34	-.31	-.02		.01	.01	.015
		1.1	-64.04	-19.60	52.95	.43	-.23	-14.34	-.31	-.02		.01	.01	.015
		2.3	-64.04	-22.78	27.04	.43	-.23	-14.34	-.31	-.02		.01	.01	.015
		3.4	-64.04	-25.97	21.14	.43	-.23	-14.34	-.31	-.02		.01	.01	.015
		4.6	-64.04	-29.15	15.23	.43	-.23	-14.34	-.31	-.02		.01	.01	.015
406- 506 JL4- 1		0.0	-63.55	-28.35	-17.86	-.66	.64	13.28	-.25	-.01		.01	.01	.012
		1.1	-63.55	-19.62	-8.78	-.66	.64	13.28	-.25	-.01		.01	.01	.012
		2.3	-63.55	-10.91	.29	-.66	.64	13.28	-.25	-.00		.01	.01	.012
		3.4	-63.55	-2.21	9.37	-.66	.64	13.28	-.25	-.00		.01	.01	.012
		4.6	-63.55	6.50	18.45	-.66	.64	13.28	-.25	-.01		.01	.01	.012
406- 512 P1- 1		0.0	63.55	-4.08	-7.95	.76	-.73	-12.56	.29	.00		.01	.01	.013
		1.1	63.55	-14.12	-18.40	.76	-.73	-12.56	.29	.01		.01	.01	.014
		2.3	63.55	-24.16	-28.84	.76	-.73	-12.56	.29	.02		.01	.01	.014
		3.4	63.55	-34.20	-39.29	.76	-.73	-12.56	.29	.02		.01	.01	.014
		4.6	63.55	-44.24	-49.73	.76	-.73	-12.56	.29	.03		.01	.01	.015
501- 502 165- 1		0.0	-1.70	1.83	-20.76	-.16	.00	.63	-.06	-.19		.01	.01	.011
		3.8	-1.70	1.88	-13.38	-.16	.00	.63	-.06	-.12		.01	.01	.008
		7.6	-1.70	1.93	-6.01	-.16	.00	.63	-.06	-.06		.01	.01	.005
		11.4	-1.70	1.98	1.37	-.16	.00	.63	-.06	-.02		.01	.01	.004
		15.1	-1.70	2.02	8.75	-.16	.00	.63	-.06	-.08		.01	.01	.007

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO, 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	105- 1	0.0	2.18	2.08	-21.14	-.17	-.01	-1.27	.07	.19		.02	.02	.011
		3.8	2.18	1.65	-13.39	-.17	-.01	-1.27	.07	.12		.02	.02	.008
		7.6	2.18	1.21	-5.65	-.17	-.01	-1.27	.07	.05		.02	.02	.006
		11.4	2.18	.78	2.10	-.17	-.01	-1.27	.07	.02		.02	.02	.004
		15.1	2.18	.35	9.85	-.17	-.01	-1.27	.07	.09		.02	.02	.007
501- 601	JL5- 1	0.0	6.25	65.65	-25.55	-1.79	-1.04	-47.95	.04	.04		.04	.04	.004
		1.5	6.25	46.61	7.04	-1.79	-1.04	-47.95	.04	.03		.04	.04	.003
		3.0	6.25	27.60	39.64	-1.79	-1.04	-47.95	.04	.03		.04	.04	.003
		4.6	6.25	8.58	72.23	-1.79	-1.04	-47.95	.04	.05		.04	.04	.004
		6.1	6.25	-10.45	104.83	-1.79	-1.04	-47.95	.04	.07		.04	.04	.005
501- 622	200- 1	0.0	-2.39	9.94	21.84	.21	-.02	2.21	-.06	-.13		.02	.02	.004
		5.1	-2.39	8.63	9.25	.21	-.02	2.21	-.06	-.07		.02	.02	.006
		10.2	-2.39	7.31	-3.35	.21	-.02	2.21	-.06	-.05		.02	.02	.005
		15.3	-2.39	6.00	-15.95	.21	-.02	2.21	-.06	-.10		.02	.02	.007
		20.4	-2.39	4.70	-28.52	.20	-.02	2.21	-.06	-.16		.02	.02	.010
502- 503	105- 1	0.0	-1.88	1.87	7.62	.10	.01	.11	-.06	-.07		.01	.01	.006
		3.8	-1.88	2.25	3.01	.10	.01	.11	-.06	-.03		.01	.01	.005
		7.6	-1.88	2.64	-1.60	.10	.01	.11	-.06	-.03		.01	.01	.005
		11.4	-1.88	3.03	-6.21	.10	.01	.11	-.06	-.06		.01	.01	.006
		15.1	-1.88	3.41	-10.82	.10	.01	.11	-.06	-.10		.01	.01	.008
502- 504	105- 1	0.0	-.03	.27	1.08	.01	-.00	.03	-.00	-.04		.00	.00	.002
		3.8	-.03	.09	.57	.01	-.00	.03	-.00	-.02		.00	.00	.001
		7.6	-.03	-.09	.06	.01	-.00	.03	-.00	-.00		.00	.00	.000
		11.4	-.03	-.27	-.44	.01	-.00	.03	-.00	-.02		.00	.00	.001
		15.2	-.03	-.44	-.95	.01	-.00	.03	-.00	-.04		.00	.00	.002
502- 505	105- 1	0.0	.32	.43	.05	-.00	-.00	-.12	.03	.01		.00	.00	.002
		3.8	.32	.20	.26	-.00	-.00	-.12	.03	.01		.00	.00	.002
		7.6	.32	-.10	.46	-.00	-.00	-.12	.03	.02		.00	.00	.002
		11.4	.32	-.06	.67	-.00	-.00	-.12	.03	.02		.00	.00	.002
		15.2	.32	-.22	.88	-.00	-.00	-.12	.03	.03		.00	.00	.003
503- 505	105- 1	0.0	-1.42	2.08	8.45	.05	-.01	1.14	-.05	-.08		.01	.01	.006
		3.8	-1.42	1.42	6.31	.05	-.01	1.14	-.05	-.06		.01	.01	.005
		7.6	-1.42	.76	4.18	.05	-.01	1.14	-.05	-.04		.01	.01	.004
		11.4	-1.42	.10	2.04	.05	-.01	1.14	-.05	-.02		.01	.01	.003
		15.1	-1.42	-.56	-.10	.05	-.01	1.14	-.05	-.01		.01	.01	.003
503- 603	JL5- 1	0.0	61.21	16.56	28.86	1.35	.41	55.91	.43	.02		.04	.04	.021
		1.5	61.21	24.05	4.24	1.35	.41	55.91	.43	.02		.04	.04	.020
		3.0	61.21	31.55	-20.39	1.35	.41	55.91	.43	.02		.04	.04	.021
		4.6	61.21	39.01	-45.01	1.35	.41	55.91	.43	.04		.04	.04	.021
		6.1	61.21	46.50	-69.64	1.35	.41	55.91	.43	.05		.04	.04	.022

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 625	200- 1	0.0	5.51	37.75	15.63	.06	-.30	1.93	.14	.23		.02	.02	.016
		5.1	5.51	19.39	11.70	.06	-.30	1.93	.14	.13		.02	.02	.012
		10.1	5.51	1.03	7.78	.06	-.30	1.93	.14	.04		.02	.02	.009
		15.2	5.51	-17.33	3.86	.06	-.30	1.93	.14	.10		.02	.02	.011
		20.3	5.51	-34.69	-.07	.06	-.22	1.93	.14	.19		.02	.02	.015
504- 505	105- 1	0.0	-.30	.15	-.23	-.01	.00	.09	-.03	-.01		.00	.00	.002
		3.8	-.30	.15	.08	-.01	.00	.09	-.03	-.01		.00	.00	.002
		7.6	-.30	.17	.40	-.01	.00	.09	-.03	-.01		.00	.00	.002
		11.4	-.30	.19	.71	-.01	.00	.09	-.03	-.02		.00	.00	.002
		15.2	-.30	.22	1.03	-.01	.00	.09	-.03	-.04		.00	.00	.003
504- 506	105- 1	0.0	2.32	-.04	9.13	.12	-.01	-1.57	.08	.08		.02	.02	.007
		3.8	2.32	-.68	5.60	.12	-.01	-1.57	.08	.05		.02	.02	.005
		7.6	2.32	-1.31	-1.92	.12	-.01	-1.57	.08	.02		.02	.02	.004
		11.4	2.32	-1.94	-7.45	.12	-.01	-1.57	.08	.07		.02	.02	.006
		15.2	2.32	-2.57	-12.98	.12	-.01	-1.57	.08	.12		.02	.02	.009
505- 506	105- 1	0.0	-1.10	-.80	1.81	.07	-.02	1.04	-.04	-.02		.01	.01	.003
		3.8	-1.10	-1.60	-1.17	.07	-.02	1.04	-.04	-.02		.01	.01	.003
		7.6	-1.10	-2.40	-4.14	.07	-.02	1.04	-.04	-.04		.01	.01	.004
		11.4	-1.10	-3.20	-7.12	.07	-.02	1.04	-.04	-.07		.01	.01	.005
		15.2	-1.10	-4.00	-10.09	.07	-.02	1.04	-.04	-.10		.01	.01	.006
506- 606	JL5- 1	0.0	-61.78	7.55	-14.50	.29	-1.08	4.79	-.43	-.01		.02	.02	.021
		1.5	-61.78	-12.45	-19.72	.29	-1.08	4.79	-.43	-.01		.02	.02	.021
		3.0	-61.78	-32.25	-24.93	.29	-1.08	4.79	-.43	-.03		.02	.02	.021
		4.6	-61.78	-52.06	-30.15	.29	-1.08	4.79	-.43	-.04		.02	.02	.022
		6.1	-61.78	-71.86	-35.37	.29	-1.08	4.79	-.43	-.05		.02	.02	.022
506- 624	200- 1	0.0	-3.63	24.65	-34.60	-.26	-.19	-3.14	-.10	-.24		.03	.03	.015
		5.1	-3.63	12.99	-18.83	-.26	-.19	-3.14	-.10	-.13		.03	.03	.010
		10.1	-3.63	1.33	-3.07	-.26	-.19	-3.14	-.10	-.02		.03	.03	.006
		15.2	-3.63	-10.34	12.70	-.26	-.19	-3.14	-.10	-.09		.03	.03	.009
		20.2	-3.63	-18.87	26.90	-.20	-.08	-3.14	-.10	-.18		.02	.02	.012
510- 710	P1- 1	0.0	-5.25	-3.42	18.62	-1.18	-.30	10.67	-.02	-.01		.01	.01	.002
		6.3	-5.25	-26.76	108.26	-1.18	-.30	10.67	-.02	-.05		.01	.01	.003
		12.7	-5.25	-49.61	197.89	-1.18	-.30	10.67	-.02	-.10		.01	.01	.005
		19.0	-5.25	-72.46	287.52	-1.18	-.30	10.67	-.02	-.14		.01	.01	.007
		25.3	-5.25	-95.31	377.15	-1.18	-.30	10.67	-.02	-.18		.01	.01	.009
511- 711	P1- 1	0.0	-68.04	-29.07	15.41	1.18	1.15	-14.32	-.31	-.02		.02	.02	.016
		6.3	-68.04	58.20	-74.15	1.18	1.15	-14.32	-.31	-.04		.02	.02	.017
		12.7	-68.04	145.47	-163.71	1.18	1.15	-14.32	-.31	-.10		.02	.02	.019
		19.0	-68.04	232.74	-253.27	1.18	1.15	-14.32	-.31	-.16		.02	.02	.022
		25.3	-68.04	320.01	-342.83	1.18	1.15	-14.32	-.31	-.22		.02	.02	.024

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE PZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
512- 712	P1- 1	0.0	63.55	-44.24	-49.73	-.21	-.62	-12.58	.29	.03		.01	.01	.015
		6.3	63.55	-91.46	-53.65	-.21	-.62	-12.58	.29	.05		.01	.01	.015
		12.7	63.55	-138.68	-17.98	-.21	-.62	-12.58	.29	.07		.01	.01	.016
		19.0	63.55	-185.90	-2.11	-.21	-.62	-12.58	.29	.09		.01	.01	.017
		25.3	63.55	-233.12	13.77	-.21	-.62	-12.58	.29	.11		.01	.01	.018
601- 621	JL6- 1	0.0	5.93	-15.83	93.26	-1.45	-.82	-63.47	.04	.06		.04	.04	.004
		1.5	5.93	-30.83	119.70	-1.45	-.82	-63.47	.04	.08		.04	.04	.005
		3.0	5.93	-45.83	146.15	-1.45	-.82	-63.47	.04	.10		.04	.04	.006
		4.6	5.93	-60.83	172.59	-1.45	-.82	-63.47	.04	.11		.04	.04	.007
		6.1	5.92	-75.76	198.35	-1.33	-.81	-63.47	.04	.13		.04	.04	.008
603- 623	JL6- 1	0.0	60.77	39.25	-51.47	1.15	.50	64.48	.43	.04		.04	.04	.021
		1.5	60.77	46.44	-72.53	1.15	.50	64.48	.43	.05		.04	.04	.022
		3.0	60.77	57.62	-93.58	1.15	.50	64.48	.43	.07		.04	.04	.023
		4.6	60.77	68.80	-114.63	1.15	.50	64.48	.43	.08		.04	.04	.023
		6.1	60.77	75.99	-135.69	1.15	.50	64.48	.43	.10		.04	.04	.024
606- 626	JL6- 1	0.0	-61.77	-71.86	-55.35	.29	-1.29	4.90	-.43	-.05		.02	.02	.022
		1.5	-61.77	-95.30	-40.57	.29	-1.29	4.90	-.43	-.07		.02	.02	.023
		3.0	-61.79	-118.59	-45.69	.25	-1.23	4.90	-.43	-.08		.02	.02	.024
		4.6	-61.85	-139.59	-49.37	.15	-1.05	4.90	-.43	-.09		.02	.02	.024
		6.1	-61.92	-157.21	-51.39	.02	-.80	4.90	-.43	-.10		.01	.01	.025
621- 651	JL6- 1	0.0	5.93	-74.84	198.64	-1.33	-.80	-63.69	.04	.13		.04	.04	.008
		1.5	5.93	-89.37	219.00	-.91	-.80	-63.69	.04	.15		.04	.04	.008
		3.0	5.93	-103.88	231.40	-.50	-.79	-63.69	.04	.16		.03	.03	.009
		4.6	5.93	-118.37	237.21	-.10	-.79	-63.69	.04	.17		.03	.03	.009
		6.1	5.93	-132.81	235.37	.30	-.79	-63.69	.04	.17		.03	.03	.009
622- 703	200- 1	0.0	-2.39	4.72	-28.49	.20	-.04	2.54	-.06	-.16		.02	.02	.010
		5.4	-2.38	2.42	-32.98	-.05	-.03	2.54	-.06	-.19		.01	.01	.011
		10.9	-2.38	.16	-22.19	-.27	-.04	2.54	-.06	-.12		.02	.02	.008
		16.3	-2.39	-2.82	2.82	-.49	-.05	2.54	-.06	-.02		.03	.03	.004
		21.8	-2.38	-6.75	42.04	-.71	-.08	2.54	-.06	-.24		.04	.04	.013
623- 653	JL6- 1	0.0	60.77	76.60	-135.22	1.10	.59	64.73	.43	.10		.04	.04	.024
		1.5	60.73	86.94	-154.98	1.02	.47	64.73	.42	.11		.04	.04	.024
		3.0	60.64	92.85	-171.81	.83	.18	64.73	.42	.12		.03	.03	.025
		4.6	60.54	93.52	-185.17	.64	-.10	64.73	.42	.13		.03	.03	.025
		6.1	60.45	89.12	-195.11	.45	-.38	64.73	.42	.13		.03	.03	.025
624- 701	200- 1	0.0	-3.63	-18.88	26.90	-.20	-.08	-3.14	-.10	-.18		.02	.02	.013
		5.5	-3.63	-17.90	33.58	-.00	.10	-3.14	-.10	-.21		.01	.01	.014
		11.0	-3.63	-8.92	26.79	.21	.23	-3.14	-.10	-.15		.03	.03	.011
		16.5	-3.61	11.37	6.00	.42	.32	-3.14	-.09	-.07		.04	.04	.008
		21.9	-3.59	35.28	-27.95	.61	.40	-3.14	-.09	-.25		.05	.05	.015

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
625- 700 200- 1		0.0	5.51	-34.59	-.08	.06	-.22	1.91	.14	.19		.02	.02	.015
		5.5	5.52	-38.16	-3.31	.04	.10	1.91	.15	.21		.01	.01	.016
		11.0	5.54	-21.75	-4.97	.02	.39	1.91	.15	.12		.03	.03	.012
		16.4	5.52	12.50	-5.81	.01	.65	1.91	.15	.08		.04	.04	.010
		21.9	5.51	62.43	-6.57	.01	.87	1.91	.14	.35		.05	.05	.021
626- 650 JL6- 1		0.0	-61.90	-156.94	-51.29	.06	-.77	4.82	-.43	-.10		.01	.01	.025
		1.5	-61.81	-168.52	-50.67	-.12	-.50	4.82	-.43	-.11		.01	.01	.025
		3.0	-61.72	-175.18	-46.73	-.31	-.23	4.82	-.43	-.11		.01	.01	.025
		4.6	-61.63	-177.04	-39.48	-.49	.05	4.82	-.43	-.11		.01	.01	.025
		6.1	-61.54	-174.26	-29.04	-.66	.28	4.82	-.43	-.11		.01	.01	.025
651- 701 JL6- 1		0.0	6.08	-135.53	219.54	1.96	-.38	-89.38	.04	.16		.06	.06	.009
		1.8	6.08	-141.65	172.84	2.41	-.38	-89.38	.04	.14		.06	.06	.008
		3.5	6.08	-149.67	116.95	2.84	-.38	-89.38	.04	.12		.07	.07	.007
		5.3	6.08	-157.68	51.91	3.26	-.38	-89.38	.04	.10		.07	.07	.006
		7.1	6.08	-165.74	-22.00	3.68	-.38	-89.38	.04	.11		.08	.08	.006
653- 703 JL6- 1		0.0	63.82	110.71	-199.79	-.56	-.93	70.64	.45	.14		.04	.04	.027
		1.8	63.82	86.70	-185.57	-.77	-1.32	70.64	.45	.13		.04	.04	.026
		3.5	63.82	54.64	-166.95	-.98	-1.69	70.64	.45	.11		.05	.05	.025
		5.3	63.81	14.62	-144.01	-1.18	-2.05	70.64	.45	.09		.06	.06	.024
		7.1	63.81	-32.50	-116.80	-1.38	-2.40	70.64	.45	.08		.06	.06	.024
656- 700 JL6- 1		0.0	-61.54	-174.26	-29.04	-.66	.31	4.81	-.43	-.11		.01	.01	.025
		1.8	-61.54	-165.38	-12.80	-.87	.70	4.81	-.43	-.10		.02	.02	.024
		3.5	-61.55	-144.74	7.47	-1.07	1.07	4.81	-.43	-.09		.02	.02	.024
		5.3	-61.55	-118.05	32.89	-1.28	1.43	4.81	-.43	-.08		.03	.03	.023
		7.1	-61.55	-83.80	62.16	-1.47	1.78	4.81	-.43	-.07		.03	.03	.023
701- 702 137- 1		0.0	-5.94	50.50	-9.77	.01	-.58	4.49	-.31	-.91		.10	.10	.059
		4.7	-5.94	20.31	-9.06	-.04	-.49	4.49	-.31	-.59		.09	.09	.037
		9.4	-5.94	-4.80	-5.05	-.10	-.40	4.49	-.31	-.12		.08	.08	.026
		14.1	-5.94	-24.23	2.93	-.18	-.30	4.49	-.31	-.43		.08	.08	.039
		18.8	-5.94	-38.58	15.52	-.27	-.21	4.49	-.31	-.73		.07	.07	.051
701- 704 137- 1		0.0	.56	65.81	-9.61	.03	-.71	-2.63	.03	1.14		.10	.10	.049
		4.7	.57	26.64	-9.32	-.04	-.61	-2.63	.03	.50		.09	.09	.022
		9.4	.57	-4.59	-5.75	-.09	-.50	-2.63	.03	.13		.08	.08	.007
		14.1	.56	-29.23	.77	-.14	-.38	-2.63	.03	.52		.06	.06	.025
		18.8	.54	-46.02	9.49	-.18	-.24	-2.63	.03	.84		.05	.05	.037
701- 801 JL7- 1		0.0	-3.28	13.01	36.93	-2.49	-.02	-30.96	-.05	-.05		.09	.09	.004
		7.1	-3.28	11.54	184.76	-1.01	-.04	-30.96	-.05	-.24		.05	.05	.012
		14.2	-3.29	8.07	212.19	.34	-.09	-30.96	-.05	-.27		.03	.03	.014
		21.3	-3.29	-5.05	130.20	1.57	-.13	-30.96	-.05	-.17		.07	.07	.009
		28.4	-3.30	-15.44	-51.07	2.07	-.16	-30.96	-.05	-.07		.10	.10	.005

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
701- 806	200- 1	0.0	9.07	63.15	50.11	.70	-.73	1.52	.24	.45		.06	.06	.030
		12.5	9.07	-15.44	-25.01	.50	-.33	1.52	.24	.18		.03	.03	.018
		25.1	9.11	-39.69	-41.86	-.06	.00	1.52	.24	.32		.01	.01	.025
		37.6	9.11	-16.16	-12.18	-.32	.31	1.52	.24	.11		.03	.03	.016
		50.2	9.11	52.91	52.29	-.54	.61	1.52	.24	.42		.05	.05	.029
702- 703	157- 1	0.0	-6.16	-36.31	12.25	.26	.22	-4.78	-.32	-.68		.08	.08	.050
		4.7	-6.16	-21.29	.56	.16	.31	-4.78	-.32	-.38		.08	.08	.037
		9.4	-6.16	-1.64	-6.26	.07	.39	-4.78	-.32	-.11		.08	.08	.026
		14.1	-6.16	21.97	-7.60	-.02	.45	-4.78	-.32	.41		.09	.09	.039
		18.8	-6.16	48.87	-3.66	-.12	.50	-4.78	-.32	.86		.10	.10	.056
702- 704	107- 1	0.0	.22	7.55	-.17	.00	-.24	.14	.02	.25		.04	.04	.011
		4.7	.22	-3.26	-.39	.00	-.14	.14	.02	.11		.03	.03	.005
		9.4	.22	-8.11	-.61	.00	-.03	.14	.02	.27		.01	.01	.012
		14.1	.22	-6.56	-.83	.00	.09	.14	.02	.21		.02	.02	.010
		18.8	.22	2.04	-1.06	.00	.23	.14	.02	.09		.04	.04	.005
702- 705	107- 1	0.0	.45	5.25	3.43	.12	-.19	.01	.04	.16		.04	.04	.006
		4.7	.47	-4.78	-1.39	.05	-.10	.01	.04	.17		.02	.02	.009
		9.4	.49	-7.54	-2.60	-.01	-.00	.01	.04	.27		.00	.00	.013
		14.1	.50	-5.02	-.22	-.07	.09	.01	.04	.17		.02	.02	.009
		18.8	.52	2.78	5.78	-.14	.19	.01	.04	.21		.04	.04	.011
703- 705	157- 1	0.0	3.76	50.00	12.76	.09	-.51	4.58	.20	.91		.09	.09	.047
		4.7	3.76	22.62	7.55	.09	-.46	4.58	.20	.42		.09	.09	.027
		9.4	3.76	-1.46	2.29	.09	-.39	4.58	.20	.05		.08	.08	.011
		14.1	3.76	-21.54	-2.95	.09	-.32	4.58	.20	.38		.07	.07	.025
		18.8	3.76	-37.09	-8.18	.09	-.23	4.58	.20	.67		.07	.07	.037
703- 801	200- 1	0.0	9.35	42.12	-75.77	-.87	-.42	-2.02	.25	.48		.06	.06	.031
		12.5	9.32	-5.29	21.02	-.41	-.20	-2.02	.25	.12		.03	.03	.016
		25.1	9.35	-19.47	52.82	-.02	-.03	-2.02	.25	.32		.01	.01	.025
		37.6	9.35	-12.18	27.05	.36	.13	-2.02	.25	.17		.03	.03	.016
		50.2	9.37	20.14	-50.86	.66	.30	-2.02	.25	.31		.04	.04	.024
703- 803	JL7- 1	0.0	56.23	98.97	-96.55	.80	1.74	-2.75	.80	.18		.06	.06	.044
		7.1	56.24	192.54	-154.91	.11	.48	-2.75	.80	.30		.02	.02	.049
		14.2	56.25	184.55	-115.82	-.54	-.65	-2.75	.80	.28		.03	.03	.048
		21.3	56.24	85.21	-43.98	-1.13	-1.66	-2.75	.80	.12		.06	.06	.042
		28.4	56.23	-96.19	75.03	-1.65	-2.58	-2.75	.80	.16		.09	.09	.043
704- 705	107- 1	0.0	-.58	2.88	4.70	.10	-.23	-.14	-.05	-.18		.04	.04	.011
		4.7	-.58	-6.25	.36	.05	-.10	-.14	-.05	-.21		.02	.02	.012
		9.4	-.58	-8.12	-1.35	.01	.03	-.14	-.05	-.28		.01	.01	.014
		14.1	-.58	-3.39	-.42	-.04	.14	-.14	-.05	-.11		.03	.03	.008
		18.8	-.58	7.27	3.16	-.09	.24	-.14	-.05	-.27		.04	.04	.014

SIMAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
704- 706 157- 1		0.0	1.04	-46.74	4.13	.08	.22	2.30	.05	.83		.04	.04	.037
		4.7	1.01	-30.50	.73	.04	.36	2.30	.05	.54		.06	.06	.025
		9.4	1.00	-8.35	-.96	.02	.50	2.30	.05	.11		.07	.07	.007
		14.1	.99	25.75	-1.50	.00	.64	2.30	.05	.45		.09	.09	.022
		18.8	.99	65.75	-1.48	-.00	.78	2.30	.05	1.16		.10	.10	.051
705- 706 157- 1		0.0	4.51	-39.45	.75	.02	.19	-4.07	.23	.70		.06	.06	.040
		4.7	4.51	-25.84	-.18	.02	.29	-4.07	.23	.46		.07	.07	.030
		9.4	4.51	-8.29	-1.12	.02	.40	-4.07	.23	.11		.08	.08	.016
		14.1	4.51	19.87	-2.05	.02	.53	-4.07	.23	.35		.09	.09	.026
		18.8	4.51	53.29	-2.99	.02	.66	-4.07	.23	.94		.10	.10	.050
709- 803 200- 1		0.0	-16.80	-8.10	19.97	.10	-.09	1.44	-.44	-.12		.01	.01	.032
		12.5	-16.79	-2.68	8.44	.08	.10	1.44	-.44	-.04		.01	.01	.029
		25.1	-16.80	13.25	-5.33	.07	.10	1.44	-.44	-.08		.01	.01	.030
		37.6	-16.81	19.57	-12.52	.02	-.04	1.44	-.44	-.13		.01	.01	.032
		50.2	-16.78	-1.94	-9.82	-.05	-.26	1.44	-.44	-.06		.02	.02	.029
706- 808 JL7- 1		0.0	-51.67	67.57	82.29	1.52	-2.67	35.12	-.73	-.14		.11	.11	.041
		7.1	-51.67	-104.28	-17.66	.84	-1.59	35.12	-.73	-.13		.07	.07	.041
		14.2	-51.68	-173.13	-61.72	.21	-.25	35.12	-.73	-.23		.03	.03	.045
		21.3	-51.67	-150.06	-54.41	-.37	.77	35.12	-.73	-.20		.05	.05	.044
		28.4	-51.66	-44.50	-.27	-.89	1.69	35.12	-.73	-.06		.08	.08	.038
710- 810 P2- 1		0.0	-5.26	-44.75	377.29	.18	.45	10.55	-.02	-.16		.01	.01	.008
		7.1	-5.26	-56.66	361.64	.18	.45	10.55	-.02	-.15		.01	.01	.007
		14.2	-5.26	-18.57	345.98	.18	.45	10.55	-.02	-.14		.01	.01	.007
		21.3	-5.26	19.51	330.33	.18	.45	10.55	-.02	-.14		.01	.01	.007
		28.4	-5.26	57.60	314.67	.18	.45	10.55	-.02	-.13		.01	.01	.007
711- 811 P2- 1		0.0	-68.04	520.52	-342.37	-.71	-.09	-14.11	-.27	-.20		.01	.01	.022
		7.1	-68.04	513.10	-281.84	-.71	-.09	-14.11	-.27	-.18		.01	.01	.021
		14.2	-68.04	305.69	-221.31	-.71	-.09	-14.11	-.27	-.16		.01	.01	.020
		21.3	-68.04	298.27	-160.78	-.71	-.09	-14.11	-.27	-.14		.01	.01	.019
		28.4	-68.04	290.85	-100.25	-.71	-.09	-14.11	-.27	-.13		.01	.01	.019
712- 812 P2- 1		0.0	63.55	-253.12	15.76	.60	-.30	-12.59	.25	.10		.01	.01	.016
		7.1	63.55	-258.91	-37.49	.60	-.30	-12.59	.25	.11		.01	.01	.016
		14.2	63.55	-284.71	-88.74	.60	-.30	-12.59	.25	.12		.01	.01	.017
		21.3	63.55	-310.50	-139.99	.60	-.30	-12.59	.25	.14		.01	.01	.018
		28.4	63.55	-336.30	-191.24	.60	-.30	-12.59	.25	.16		.01	.01	.018
801- 802 148- 1		0.0	-.83	12.50	-18.52	-.02	-.17	4.09	-.04	-.32		.05	.05	.016
		5.7	-.83	2.98	-15.47	-.07	-.12	4.09	-.04	-.23		.04	.04	.012
		11.4	-.83	-3.62	-8.52	-.13	-.08	4.09	-.04	-.13		.04	.04	.008
		17.1	-.83	-8.27	2.32	-.19	-.06	4.09	-.04	-.12		.05	.05	.008
		22.8	-.83	-11.94	17.06	-.24	-.05	4.09	-.04	-.30		.05	.05	.015

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	CUMM. UNITY CHECK
801- 804 148- 1		0.0	5.26	37.46	-17.35	.01	-.34	-.15	.25	.60		.03	.03	.037
		5.7	5.28	10.42	-15.25	-.07	-.28	-.15	.25	.32		.03	.03	.025
		11.4	5.26	-.73	-8.31	-.13	-.22	-.15	.25	.12		.03	.03	.017
		17.1	5.27	-13.98	2.97	-.19	-.17	-.15	.25	.21		.03	.03	.020
		22.8	5.25	-25.54	18.12	-.25	-.11	-.15	.25	.43		.03	.03	.029
801- 901 JL8- 1		0.0	8.09	35.20	-46.91	-2.04	-.07	4.53	.11	.07		.06	.06	.008
		8.1	8.08	27.22	95.47	-.91	-.10	4.53	.11	.13		.03	.03	.011
		16.2	8.08	16.78	134.17	.10	-.11	4.53	.11	.17		.01	.01	.015
		24.3	8.08	5.94	77.41	1.05	-.11	4.53	.11	.10		.03	.03	.009
		32.4	8.08	-4.29	-68.49	1.93	-.11	4.53	.11	.09		.06	.06	.009
801- 903 200- 1		0.0	-12.55	-16.25	43.77	.55	.09	3.47	-.33	-.26		.04	.04	.033
		14.9	-12.56	-1.71	-28.81	.26	.08	3.47	-.33	-.16		.02	.02	.029
		29.8	-12.56	10.47	-48.17	-.04	.05	3.47	-.33	-.28		.01	.01	.034
		44.7	-12.51	9.91	-14.32	-.54	-.07	3.47	-.33	-.10		.03	.03	.026
		59.6	-12.44	-13.65	72.76	-.04	-.20	3.47	-.33	-.41		.04	.04	.039
802- 805 148- 1		0.0	-1.26	-11.05	10.00	.17	.10	-4.87	-.06	-.22		.05	.05	.013
		5.7	-1.26	-4.55	.56	.11	.10	-4.87	-.06	-.06		.05	.05	.007
		11.4	-1.26	2.34	-4.98	.05	.10	-4.87	-.06	-.08		.05	.05	.008
		17.1	-1.26	9.11	-6.63	-.00	.10	-4.87	-.06	-.16		.04	.04	.011
		22.8	-1.26	15.83	-4.38	-.06	.10	-4.87	-.06	-.24		.05	.05	.014
802- 804 108- 1		0.0	-.03	6.14	.75	.00	-.09	-.31	-.00	-.21		.02	.02	.009
		5.7	-.03	.16	.48	.00	-.08	-.31	-.00	-.02		.02	.02	.001
		11.4	-.03	-3.87	.17	.00	-.04	-.31	-.00	.13		.01	.01	.006
		17.1	-.03	-4.55	-.12	.00	.02	-.31	-.00	.14		.01	.01	.006
		22.8	-.03	-.90	-.41	.00	.08	-.31	-.00	-.03		.02	.02	.002
802- 805 108- 1		0.0	.56	5.98	6.30	.14	-.06	.09	.05	.25		.03	.03	.013
		5.7	.60	.21	-.57	.06	-.05	.09	.05	.02		.02	.02	.003
		11.4	.60	-2.58	-2.61	-.00	-.03	.09	.05	.12		.01	.01	.007
		17.1	.59	-5.42	-.30	-.06	.01	.09	.05	.11		.01	.01	.007
		22.8	.57	-1.34	5.87	-.12	.06	.09	.05	.20		.02	.02	.011
803- 805 148- 1		0.0	-4.28	35.13	10.06	.05	-.23	2.03	-.20	-.53		.04	.04	.047
		5.7	-4.28	19.26	6.65	.05	-.23	2.03	-.20	-.29		.04	.04	.027
		11.4	-4.28	3.55	3.24	.05	-.22	2.03	-.20	-.07		.04	.04	.017
		17.1	-4.28	-10.22	-.17	.05	-.17	2.03	-.20	.15		.03	.03	.021
		22.8	-4.28	-20.24	-3.57	.05	-.12	2.03	-.20	-.30		.03	.03	.027
805- 903 JL8- 1		0.0	33.47	1.17	23.47	.87	1.40	17.05	.48	.03		.06	.06	.023
		8.1	33.48	90.47	-35.47	.35	.46	17.05	.48	.16		.03	.03	.027
		16.2	33.49	95.06	-46.99	-.11	-.30	17.05	.48	.13		.02	.02	.028
		24.3	33.46	23.17	-15.25	-.54	-1.10	17.05	.48	.04		.05	.05	.024
		32.4	33.43	-116.04	56.43	-.92	-1.80	17.05	.48	.17		.07	.07	.029

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

DATE 10/05/76

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
803- 906	200- 1	0.0	23.60	62.62	4.87	-.08	-.45	-.84	.62	.35		.03	.03	.044
		14.9	23.64	.57	13.49	-.01	-.25	-.86	.62	.08		.02	.02	.032
		29.8	23.67	-26.25	10.04	.05	-.05	-.86	.62	.16		.01	.01	.035
		44.7	23.70	-17.84	-5.49	.12	.15	-.86	.62	.10		.01	.01	.033
		59.6	23.73	25.79	-33.10	.19	.34	-.86	.62	.23		.02	.02	.039
804- 805	100- 1	0.0	-.53	2.24	4.74	.11	-.11	.11	-.04	-.18		.03	.03	.010
		5.7	-.53	-3.06	-.82	.05	-.05	.11	-.04	-.11		.01	.01	.007
		11.4	-.53	-4.47	-2.48	.00	.01	.11	-.04	-.17		.00	.00	.010
		17.1	-.53	-1.98	-.25	-.06	.06	.11	-.04	-.07		.02	.02	.006
		22.8	-.53	4.41	5.89	-.12	.12	.11	-.04	-.25		.03	.03	.013
804- 806	140- 1	0.0	5.60	-24.74	12.96	.18	.08	.80	.26	.40		.02	.02	.029
		5.7	5.57	-17.56	2.23	.13	.13	.80	.26	.26		.02	.02	.023
		11.4	5.54	-6.49	-5.13	.08	.19	.80	.26	.12		.03	.03	.017
		17.1	5.51	8.48	-9.11	.03	.25	.80	.26	.18		.03	.03	.020
		22.8	5.48	27.34	-9.72	-.02	.30	.80	.26	.42		.03	.03	.030
805- 806	140- 1	0.0	-3.53	-22.94	8.18	.08	.06	-.64	-.17	-.35		.01	.01	.027
		5.7	-3.53	-16.85	2.47	.08	.12	-.64	-.17	-.25		.02	.02	.022
		11.4	-3.53	-6.87	-3.23	.08	.17	-.64	-.17	-.11		.02	.02	.016
		17.1	-3.53	7.01	-8.94	.08	.23	-.64	-.17	-.16		.03	.03	.019
		22.8	-3.53	24.78	-14.64	.08	.29	-.64	-.17	-.42		.03	.03	.029
806- 901	200- 1	0.0	-13.10	-6.39	-66.75	-.62	-.11	-2.48	-.34	-.36		.04	.04	.039
		14.9	-13.06	-11.67	19.58	-.54	.03	-2.48	-.34	-.13		.02	.02	.028
		29.8	-13.02	-3.45	50.86	-.01	.06	-2.48	-.34	-.29		.01	.01	.035
		44.7	-13.00	8.50	23.11	.52	.08	-2.48	-.34	-.14		.02	.02	.029
		59.6	-13.01	21.85	-57.42	.57	.07	-2.48	-.34	-.34		.04	.04	.037
806- 906	JL8- 1	0.0	-40.87	36.48	-13.92	.91	-1.55	-41.30	-.58	-.05		.08	.08	.031
		8.1	-40.88	-67.94	-75.86	.37	-.62	-41.30	-.58	-.13		.05	.05	.034
		16.2	-40.89	-87.76	-88.48	-.10	.20	-41.30	-.58	-.16		.03	.03	.035
		24.3	-40.86	-31.65	-57.66	-.52	.94	-41.30	-.58	-.08		.06	.06	.032
		32.4	-40.85	95.87	12.89	-.93	1.63	-41.30	-.58	-.12		.08	.08	.034
810- 910	P2- 1	0.0	-5.25	57.25	314.73	.73	-.01	10.80	-.02	-.13		.01	.01	.007
		8.1	-5.25	55.89	243.76	.73	-.01	10.80	-.02	-.10		.01	.01	.005
		16.2	-5.25	54.54	172.85	.73	-.01	10.80	-.02	-.08		.01	.01	.004
		24.3	-5.25	53.18	101.88	.73	-.01	10.80	-.02	-.05		.01	.01	.003
		32.4	-5.25	51.82	30.93	.73	-.01	10.80	-.02	-.03		.01	.01	.002
811- 911	P2- 1	0.0	-68.03	290.74	-100.56	-.49	-1.18	-14.23	-.27	-.13		.01	.01	.019
		8.1	-68.03	175.71	-52.67	-.49	-1.18	-14.23	-.27	-.08		.01	.01	.017
		16.2	-68.03	60.69	-4.79	-.49	-1.18	-14.23	-.27	-.03		.01	.01	.015
		24.3	-68.03	-54.35	43.10	-.49	-1.18	-14.23	-.27	-.03		.01	.01	.015
		32.4	-68.03	-169.35	90.99	-.49	-1.18	-14.23	-.27	-.08		.01	.01	.017

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 4

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
812- 912	P2- 1	0.0	63.54	-536.30	-191.23	-.14	1.19	-12.67	.25	.16		.01	.01	.018
		8.1	63.54	-220.90	-177.73	-.14	1.19	-12.67	.25	.12		.01	.01	.017
		16.2	63.54	-105.51	-164.23	-.14	1.19	-12.67	.25	.08		.01	.01	.015
		24.3	63.54	9.88	-150.72	-.14	1.19	-12.67	.25	.06		.01	.01	.014
		32.4	63.54	125.28	-137.22	-.14	1.19	-12.67	.25	.08		.01	.01	.015
901- 902	169- 1	0.0	1.35	-4.99	-22.02	.00	.01	1.38	.06	.25		.01	.01	.013
		6.9	1.35	-3.83	-19.52	-.06	.01	1.38	.06	.22		.01	.01	.012
		13.7	1.35	-2.67	-11.39	-.13	.01	1.38	.06	.13		.02	.02	.008
		20.6	1.35	-1.51	2.58	-.20	.01	1.38	.06	.03		.02	.02	.004
		27.4	1.35	-.35	21.80	-.27	.01	1.38	.06	.24		.03	.03	.013
901- 904	169- 1	0.0	6.98	5.29	-18.24	.06	-.01	1.14	.29	.21		.01	.01	.022
		6.9	7.01	4.13	-18.91	-.04	-.01	1.14	.29	.21		.01	.01	.022
		13.7	7.04	2.96	-11.88	-.13	-.01	1.14	.29	.13		.02	.02	.019
		20.6	7.06	1.80	2.84	-.23	-.01	1.14	.29	.04		.02	.02	.015
		27.4	7.09	.64	25.27	-.32	-.01	1.14	.29	.28		.03	.03	.025
901-1001	JL9- 1	0.0	-.07	28.54	-66.35	-1.71	-.10	20.19	-.00	-.09		.06	.06	.004
		8.1	-.07	18.45	59.92	-.69	-.10	20.19	-.00	-.08		.04	.04	.003
		16.2	-.06	8.90	108.34	-.11	-.09	20.19	-.00	-.14		.02	.02	.006
		24.3	-.06	1.60	81.78	.66	-.06	20.19	-.00	-.10		.03	.03	.004
		32.4	-.05	-5.17	-19.21	1.42	-.04	20.19	-.00	-.02		.05	.05	.001
901-1002	160- 1	0.0	-11.06	-2.18	5.37	.18	.01	2.32	-.40	-.03		.02	.02	.025
		10.6	-11.06	-1.15	-12.51	.07	.00	2.32	-.40	-.11		.02	.02	.026
		21.1	-11.07	-1.05	-15.07	-.03	-.00	2.32	-.40	-.13		.01	.01	.029
		31.7	-11.08	-1.96	-4.32	-.14	-.01	2.32	-.40	-.04		.02	.02	.026
		42.2	-11.08	-3.86	19.74	-.24	-.02	2.32	-.40	-.17		.03	.03	.031
901-1004	160- 1	0.0	12.27	4.99	13.54	.27	-.07	1.39	.45	.12		.03	.03	.026
		10.6	12.30	-.98	-11.69	.15	-.03	1.39	.45	.10		.02	.02	.025
		21.1	12.33	-1.92	-19.22	-.01	.01	1.39	.45	.17		.01	.01	.028
		31.7	12.37	2.17	-9.04	-.15	.05	1.39	.45	.08		.02	.02	.024
		42.2	12.40	11.30	18.85	-.29	.09	1.39	.45	.19		.03	.03	.029
902- 903	169- 1	0.0	.83	-.73	14.16	.20	.02	-1.02	.03	.16		.02	.02	.008
		6.9	.83	1.27	.25	.13	.02	-1.02	.03	.01		.02	.02	.002
		13.7	.83	3.26	-8.03	.07	.02	-1.02	.03	.09		.01	.01	.006
		20.6	.83	5.26	-10.67	-.00	.02	-1.02	.03	.13		.01	.01	.007
		27.4	.83	7.25	-7.67	-.07	.02	-1.02	.03	.12		.01	.01	.006
902- 904	169- 1	0.0	-.11	1.05	.73	.00	-.01	-.58	-.01	-.04		.01	.01	.002
		6.9	-.11	.52	.46	.00	-.01	-.58	-.01	-.02		.01	.01	.002
		13.7	-.11	-.02	.19	.00	-.01	-.58	-.01	-.01		.01	.01	.001
		20.6	-.11	-.56	-.07	.00	-.01	-.58	-.01	-.02		.01	.01	.001
		27.4	-.11	-1.10	-.34	.00	-.01	-.58	-.01	-.04		.01	.01	.002

LOAD CONDITION NO. 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
902- 905 109- 1		0.0	.73	1.23	6.90	.12	-.00	.25	.06	.23		.02	.02	.013
		6.9	.69	.93	-.50	.06	-.00	.25	.06	.04		.01	.01	.004
		13.7	.66	.64	-3.02	.00	-.00	.25	.06	.10		.00	.00	.007
		20.6	.62	.34	-.66	-.06	-.00	.25	.05	.02		.01	.01	.003
		27.4	.59	.04	6.59	-.12	-.00	.25	.05	.22		.02	.02	.012
903- 905 169- 1		0.0	-8.14	11.18	16.20	.07	-.04	.31	-.33	-.22		.01	.01	.034
		6.9	-8.14	8.50	10.77	.07	-.04	.31	-.33	-.15		.01	.01	.031
		13.7	-8.14	5.41	5.35	.07	-.04	.31	-.33	-.08		.01	.01	.028
		20.6	-8.14	2.33	-.08	.07	-.04	.31	-.33	-.03		.01	.01	.026
		27.4	-8.14	-.36	-5.51	.07	-.04	.31	-.33	-.06		.01	.01	.027
903-1002 180- 1		0.0	11.29	-.33	-12.66	-.21	.02	-1.50	.41	.11		.02	.02	.024
		10.6	11.28	2.06	7.41	-.11	.01	-1.50	.41	.07		.01	.01	.022
		21.1	11.28	3.46	14.17	-.00	.01	-1.50	.41	.12		.01	.01	.024
		31.7	11.27	3.89	7.62	.10	-.00	-1.50	.41	.07		.01	.01	.022
		42.2	11.26	3.33	-12.24	.21	-.01	-1.50	.41	.11		.02	.02	.024
903-1003 JL9- 1		0.0	2.63	-100.02	65.28	.83	1.39	-20.65	.04	.15		.06	.06	.008
		8.1	2.60	2.04	2.17	.47	.75	-20.65	.04	.00		.04	.04	.002
		16.2	2.59	44.45	-27.45	.14	.14	-20.65	.04	.07		.02	.02	.004
		24.3	2.57	29.83	-24.80	-.19	-.44	-20.65	.04	.05		.03	.03	.004
		32.4	2.56	-40.32	9.89	-.52	-1.01	-20.65	.04	.05		.05	.05	.004
903-1005 180- 1		0.0	21.79	31.46	5.95	-.06	-.30	-2.07	.79	.27		.03	.03	.048
		10.6	21.77	1.69	8.67	-.02	-.16	-2.07	.79	.08		.02	.02	.040
		21.1	21.75	-9.73	7.86	.03	-.02	-2.07	.79	.11		.01	.01	.041
		31.7	21.74	-3.40	1.52	.07	.12	-2.07	.79	.03		.02	.02	.038
		42.2	21.72	20.88	-10.36	.12	.26	-2.07	.79	.20		.03	.03	.045
904- 905 109- 1		0.0	-.60	-1.16	7.10	.13	.00	.29	-.05	-.24		.03	.03	.014
		6.9	-.60	-.88	-1.13	.07	.00	.29	-.05	-.05		.02	.02	.006
		13.7	-.60	-.59	-3.72	-.00	.00	.29	-.05	-.13		.01	.01	.009
		20.6	-.60	-.31	-.67	-.07	.00	.29	-.05	-.02		.02	.02	.005
		27.4	-.60	-.02	8.02	-.14	.00	.29	-.05	-.27		.03	.03	.015
904- 906 169- 1		0.0	7.45	.92	17.83	.23	-.02	-1.25	.31	.20		.03	.03	.022
		6.9	7.47	-1.05	2.32	.14	-.02	-1.25	.31	.03		.02	.02	.015
		13.7	7.47	-3.05	-6.18	.06	-.02	-1.25	.31	.08		.01	.01	.017
		20.6	7.46	-5.03	-8.39	-.01	-.02	-1.25	.31	.11		.01	.01	.019
		27.4	7.45	-7.02	-5.00	-.07	-.02	-1.25	.31	.09		.01	.01	.018
905- 906 169- 1		0.0	-7.33	.14	9.10	.07	-.04	.28	-.30	-.10		.01	.01	.027
		6.9	-7.33	-2.76	3.46	.07	-.04	.28	-.30	-.05		.01	.01	.024
		13.7	-7.33	-5.66	-2.16	.07	-.04	.28	-.30	-.07		.01	.01	.025
		20.6	-7.33	-8.56	-7.81	.07	-.04	.28	-.30	-.13		.01	.01	.028
		27.4	-7.33	-11.46	-13.45	.07	-.04	.28	-.30	-.19		.01	.01	.030

LOAD CONDITION NO. 4

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
906-1004	100- 1	0.0	-12.42	-0.78	-24.45	-.51	.04	.87	-.45	-.22		.03	.03	.036
		10.6	-12.43	-2.00	5.49	-.16	.02	.87	-.45	-.05		.02	.02	.029
		21.1	-12.45	-.77	16.77	-.02	.01	.87	-.45	-.14		.00	.00	.033
		31.7	-12.47	-1.30	9.40	.13	-.01	.87	-.45	-.08		.01	.01	.030
		42.2	-12.48	-4.17	-16.61	.28	-.03	.87	-.45	-.15		.02	.02	.035
906-1005	100- 1	0.0	-21.87	-20.09	17.77	.12	.18	-1.21	-.80	-.23		.02	.02	.057
		10.6	-21.86	.15	4.07	.09	.15	-1.21	-.80	-.03		.02	.02	.049
		21.1	-21.83	8.24	-4.09	.03	-.00	-1.21	-.79	-.08		.01	.01	.050
		31.7	-21.81	-.52	-4.51	-.05	-.14	-1.21	-.79	-.04		.02	.02	.049
		42.2	-21.79	-20.25	2.84	-.09	-.27	-1.21	-.79	-.23		.03	.03	.056
906-1006	JLV- 1	0.0	-2.65	68.43	-13.64	.65	-1.28	-3.34	-.04	-.09		.04	.04	.006
		8.1	-2.63	-25.29	-58.29	.27	-.65	-3.34	-.04	-.08		.02	.02	.005
		16.2	-2.61	-59.32	-87.42	-.08	-.06	-3.34	-.04	-.11		.00	.00	.007
		24.3	-2.60	-36.90	-44.51	-.40	.52	-3.34	-.04	-.07		.02	.02	.005
		32.4	-2.58	41.55	10.37	-.72	1.09	-3.34	-.04	-.05		.04	.04	.004
1010- 910	PS- 1	0.0	-5.25	-51.47	-568.91	-1.38	.27	10.78	-.02	-.24		.01	.01	.011
		8.1	-5.25	-25.64	-434.40	-1.38	.27	10.78	-.02	-.18		.01	.01	.009
		16.2	-5.25	.19	-299.90	-1.38	.27	10.78	-.02	-.12		.01	.01	.006
		24.3	-5.25	26.02	-165.39	-1.38	.27	10.78	-.02	-.07		.01	.01	.004
		32.4	-5.25	51.85	-30.88	-1.38	.27	10.78	-.02	-.03		.01	.01	.002
1011- 911	PS- 1	0.0	-68.04	609.74	350.44	1.13	-2.00	-14.28	-.27	-.29		.02	.02	.026
		8.1	-68.04	414.95	240.12	1.13	-2.00	-14.28	-.27	-.20		.02	.02	.022
		16.2	-68.04	220.16	129.81	1.13	-2.00	-14.28	-.27	-.11		.02	.02	.018
		24.3	-68.04	25.36	19.49	1.13	-2.00	-14.28	-.27	-.01		.02	.02	.014
		32.4	-68.04	-169.43	-90.83	1.13	-2.00	-14.28	-.27	-.08		.02	.02	.017
1012- 912	PS- 1	0.0	63.55	-585.06	148.81	.03	1.83	-12.67	.25	.25		.02	.02	.022
		8.1	63.55	-407.93	145.91	.03	1.83	-12.67	.25	.18		.02	.02	.019
		16.2	63.55	-230.19	143.01	.03	1.83	-12.67	.25	.11		.02	.02	.016
		24.3	63.55	-52.46	140.12	.03	1.83	-12.67	.25	.06		.02	.02	.014
		32.4	63.55	125.28	137.22	.03	1.83	-12.67	.25	.08		.02	.02	.015
1001-1002	200- 1	0.0	15.30	-20.26	-8.07	.24	.07	.02	.40	.12		.01	.01	.024
		8.0	15.30	-13.44	-23.06	.08	.07	.02	.40	.15		.01	.01	.025
		16.0	15.30	-6.62	-22.66	-.08	.07	.02	.40	.13		.01	.01	.024
		24.0	15.30	.19	-6.86	-.24	.07	.02	.40	.04		.01	.01	.020
		32.0	15.30	7.01	24.34	-.40	.07	.02	.40	.14		.02	.02	.025
1001-1004	200- 1	0.0	-14.89	21.64	-15.01	.15	-.07	-3.85	-.39	-.15		.02	.02	.034
		8.0	-14.86	14.91	-22.37	.02	-.07	-3.85	-.39	-.15		.01	.01	.034
		16.0	-14.83	8.18	-19.22	-.09	-.07	-3.85	-.39	-.12		.02	.02	.032
		24.0	-14.80	1.44	-5.55	-.20	-.07	-3.85	-.39	-.03		.02	.02	.029
		32.0	-14.77	-5.29	18.65	-.31	-.07	-3.85	-.39	-.11		.03	.03	.032

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1003	200- 1	0.0	.05	-.78	19.77	.36	.03	4.48	.00	.11		.03	.03	.005
		8.0	.05	2.46	-7.17	.20	.03	4.48	.00	.04		.02	.02	.002
		16.0	.05	5.71	-18.70	.04	.03	4.48	.00	.11		.02	.02	.005
		24.0	.05	8.95	-14.84	-.12	.03	4.48	.00	.10		.02	.02	.004
		32.0	.05	12.20	4.42	-.28	.03	4.48	.00	.07		.03	.03	.003
1002-1004	140- 1	0.0	.13	12.16	.30	.00	-.07	-2.54	.01	.23		.03	.03	.010
		8.0	.13	5.75	.17	.00	-.07	-2.54	.01	.11		.03	.03	.005
		16.0	.13	-.71	.04	.00	-.07	-2.54	.01	.01		.03	.03	.001
		24.0	.13	-7.15	-.09	.00	-.07	-2.54	.01	.13		.03	.03	.006
		32.0	.13	-13.59	-.22	.00	-.07	-2.54	.01	.26		.03	.03	.011
1002-1005	140- 1	0.0	1.34	11.56	8.55	.14	-.05	.75	.08	.27		.03	.03	.015
		8.0	1.30	6.72	-1.33	.07	-.05	.75	.08	.13		.02	.02	.009
		16.0	1.26	1.87	-4.54	-.00	-.05	.75	.08	.09		.01	.01	.008
		24.0	1.22	-2.98	-1.07	-.07	-.05	.75	.08	.06		.02	.02	.006
		32.0	1.18	-7.83	9.06	-.14	-.05	.75	.07	.22		.03	.03	.013
1003-1005	200- 1	0.0	-16.35	37.96	26.41	.10	-.16	1.79	-.43	-.26		.02	.02	.041
		8.0	-16.35	22.17	17.21	.10	-.16	1.79	-.43	-.16		.02	.02	.037
		16.0	-16.35	6.38	8.01	.10	-.16	1.79	-.43	-.06		.02	.02	.033
		24.0	-16.35	-9.42	-1.19	.10	-.16	1.79	-.43	-.05		.02	.02	.032
		32.0	-16.35	-25.21	-10.40	.10	-.16	1.79	-.43	-.15		.02	.02	.037
1004-1005	140- 1	0.0	-1.47	-8.10	9.86	.16	.03	.89	-.09	-.24		.03	.03	.015
		8.0	-1.47	-5.54	-1.55	.08	.03	.89	-.09	-.11		.02	.02	.010
		16.0	-1.47	-2.98	-5.26	-.00	.03	.89	-.09	-.11		.01	.01	.010
		24.0	-1.47	-.43	-1.27	-.08	.03	.89	-.09	-.03		.02	.02	.006
		32.0	-1.47	2.13	10.41	-.16	.03	.89	-.09	-.20		.03	.03	.014
1004-1006	200- 1	0.0	2.42	8.48	8.32	.21	-.06	3.44	.06	.07		.02	.02	.006
		8.0	2.45	2.28	-7.02	.10	-.06	3.44	.06	.04		.02	.02	.005
		16.0	2.48	-3.91	-11.84	-.00	-.06	3.44	.07	.07		.01	.01	.006
		24.0	2.51	-10.10	-6.15	-.11	-.06	3.44	.07	.07		.02	.02	.006
		32.0	2.54	-16.30	10.07	-.22	-.06	3.44	.07	.11		.02	.02	.009
1005-1006	200- 1	0.0	13.88	17.38	6.65	.06	-.14	-3.34	.36	.10		.02	.02	.021
		8.0	13.88	5.68	1.22	.06	-.14	-3.34	.36	.02		.02	.02	.018
		16.0	13.88	-10.02	-4.21	.06	-.14	-3.34	.36	.06		.02	.02	.019
		24.0	13.88	-23.72	-9.64	.06	-.14	-3.34	.36	.14		.02	.02	.023
		32.0	13.88	-37.42	-15.07	.06	-.14	-3.34	.36	.23		.02	.02	.026

LOAD CONDITION NO. 5

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SEGTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
101- 102 W18- 1		0.0	-.01	.13	1.67	.01	-.00	-.00	-.00	.00	.16	.00	.00	.007
		3.6	-.01	.05	1.00	.01	-.00	-.00	-.00	.00	.10	.00	.00	.005
		7.3	-.01	-.02	.49	.01	-.00	-.00	-.00	-.00	.05	.00	.00	.002
		10.9	-.01	-.10	-.09	.01	-.00	-.00	-.00	-.00	-.01	.00	.00	.000
		14.5	-.01	-.18	-.66	.01	-.00	-.00	-.00	-.00	-.06	.00	.00	.003
101- 104 W18- 1		0.0	-.03	.15	1.74	.01	-.00	.00	-.00	.00	.16	.00	.00	.008
		3.6	-.03	.12	1.10	.01	-.00	.00	-.00	.00	.10	.00	.00	.005
		7.2	-.03	.08	.46	.01	-.00	.00	-.00	.00	.04	.00	.00	.002
		10.9	-.03	.05	-.19	.01	-.00	.00	-.00	.00	-.02	.00	.00	.001
		14.5	-.03	.01	-.83	.01	-.00	.00	-.00	.00	-.06	.00	.00	.004
101- 201 DRL- 1		0.0	-.00	-.15	.21	.01	.05	3.41	-.00	-.00		.00	.00	.000
		3.8	-.00	2.04	-.16	.01	.05	3.41	-.00	-.00		.00	.00	.000
		7.5	-.00	4.21	-.56	.01	.05	3.41	-.00	-.01		.00	.00	.000
		11.3	-.00	6.38	-.95	.01	.05	3.41	-.00	-.01		.00	.00	.000
		15.0	-.00	8.56	-1.34	.01	.05	3.41	-.00	-.01		.00	.00	.001
102- 103 W18- 1		0.0	.01	-.17	-.57	-.01	-.00	.00	.00	-.00	-.05	.00	.00	.003
		3.6	.01	-.24	-.22	-.01	-.00	.00	.00	-.00	-.02	.00	.00	.001
		7.3	.01	-.34	.13	-.01	-.00	.00	.00	-.00	.01	.00	.00	.001
		10.9	.01	-.42	.49	-.01	-.00	.00	.00	-.00	.05	.00	.00	.002
		14.5	.01	-.50	.84	-.01	-.00	.00	.00	-.01	.08	.00	.00	.004
102- 104 W08- 1		0.0	.01	.01	-.11	-.00	.00	-.00	.00	.00	-.02	.00	.00	.001
		3.6	.01	.01	-.06	-.00	.00	-.00	.00	.00	-.01	.00	.00	.001
		7.2	.01	.01	-.02	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		10.9	.01	.02	.03	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		14.5	.01	.02	.07	-.00	.00	-.00	.00	.00	.01	.00	.00	.001
102- 105 W08- 1		0.0	-.03	-.01	.00	.00	.00	.00	-.00	-.00	.00	.00	.00	.000
		3.6	-.03	-.00	-.03	.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
		7.2	-.03	-.00	-.07	.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
		10.9	-.03	-.00	-.11	.00	.00	.00	-.00	-.00	-.02	.00	.00	.001
		14.5	-.03	-.00	-.14	.00	.00	.00	-.00	-.00	-.03	.00	.00	.002
103- 105 W18- 1		0.0	.02	-.48	-.54	-.00	.00	-.00	.00	-.01	-.05	.00	.00	.003
		3.6	.02	-.34	-.41	-.00	.00	-.00	.00	-.00	-.04	.00	.00	.002
		7.2	.02	-.21	-.29	-.00	.00	-.00	.00	-.00	-.03	.00	.00	.001
		10.9	.02	-.08	-.17	-.00	.00	-.00	.00	-.00	-.02	.00	.00	.001
		14.5	.02	.06	-.05	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
103- 203 DRL- 1		0.0	.00	.41	.74	.03	-.01	-1.37	.00	.00		.00	.00	.000
		3.8	.00	-.07	-.54	.03	-.01	-1.37	.00	.00		.00	.00	.000
		7.5	.00	-.55	-1.83	.03	-.01	-1.37	.00	.00		.00	.00	.000
		11.3	.00	-1.02	-3.12	.03	-.01	-1.37	.00	.01		.00	.00	.000
		15.0	.00	-1.50	-4.40	.03	-.01	-1.37	.00	.01		.00	.00	.000

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACHN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
104- 105 W06- 1		0.0	.02	-.02	.08	.00	.00	-.00	.00	-.00	.01	.00	.00	.001
		3.6	.02	-.01	.01	.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		7.3	.02	-.01	-.05	.00	.00	-.00	.00	-.00	-.01	.00	.00	.001
		10.9	.02	-.00	-.12	.00	.00	-.00	.00	-.00	-.02	.00	.00	.001
		14.5	.02	.00	-.18	.00	.00	-.00	.00	.00	-.03	.00	.00	.002
104- 106 W18- 1		0.0	-.04	.03	-.83	-.01	-.00	.00	-.00	.00	-.08	.00	.00	.004
		3.6	-.04	-.01	-.23	-.01	-.00	.00	-.00	-.00	-.02	.00	.00	.001
		7.3	-.04	-.04	.38	-.01	-.00	.00	-.00	-.00	.04	.00	.00	.002
		10.9	-.04	-.08	.99	-.01	-.00	.00	-.00	-.00	.09	.00	.00	.004
		14.5	-.04	-.12	1.60	-.01	-.00	.00	-.00	-.00	.15	.00	.00	.007
105- 106 W18- 1		0.0	-.01	.05	-.37	-.01	.00	.00	-.00	.00	-.03	.00	.00	.002
		3.6	-.01	.19	.06	-.01	.00	.00	-.00	.00	.01	.00	.00	.000
		7.3	-.01	.33	.50	-.01	.00	.00	-.00	.00	.05	.00	.00	.002
		10.9	-.01	.47	.94	-.01	.00	.00	-.00	.01	.09	.00	.00	.004
		14.5	-.01	.61	1.38	-.01	.00	.00	-.00	.01	.13	.00	.00	.006
106- 206 DRL- 1		0.0	-.03	.57	.45	-.01	-.00	-5.53	-.00	-.00		.00	.00	.000
		3.8	-.03	.44	1.00	-.01	-.00	-5.53	-.00	-.00		.00	.00	.000
		7.5	-.03	.31	1.55	-.01	-.00	-5.53	-.00	-.00		.00	.00	.000
		11.3	-.03	.17	2.11	-.01	-.00	-5.53	-.00	-.00		.00	.00	.000
		15.0	-.03	.04	2.66	-.01	-.00	-5.53	-.00	-.00		.00	.00	.000
201- 202 W18- 1		0.0	.60	-.12	1.77	.01	-.00	-.00	.04	-.00	.16	.00	.00	.009
		3.6	.60	-.12	1.14	.01	-.00	-.00	.04	-.00	.11	.00	.00	.007
		7.3	.60	-.13	.52	.01	-.00	-.00	.04	-.00	.05	.00	.00	.004
		10.9	.60	-.13	-.11	.01	-.00	-.00	.04	-.00	-.01	.00	.00	.002
		14.5	.60	-.14	-.74	.01	-.00	-.00	.04	-.00	-.07	.00	.00	.005
201- 204 W18- 1		0.0	.12	-.49	1.86	.02	.00	.00	.01	-.01	.17	.00	.00	.009
		3.6	.12	-.41	1.17	.02	.00	.00	.01	-.00	.11	.00	.00	.006
		7.2	.12	-.33	.48	.02	.00	.00	.01	-.00	.05	.00	.00	.003
		10.9	.12	-.25	-.20	.02	.00	.00	.01	-.00	-.02	.00	.00	.001
		14.5	.12	-.17	-.89	.02	.00	.00	.01	-.00	-.08	.00	.00	.004
201- 301 DRL- 1		0.0	.26	7.58	-2.14	-.24	-.06	15.37	.00	.01		.02	.02	.001
		3.8	.26	4.94	8.77	-.24	-.06	15.37	.00	.02		.02	.02	.001
		7.5	.26	2.31	19.68	-.24	-.06	15.37	.00	.03		.02	.02	.001
		11.3	.26	-.33	30.59	-.24	-.06	15.37	.00	.05		.02	.02	.002
		15.0	.26	-2.97	41.50	-.24	-.06	15.37	.00	.07		.02	.02	.003
201- 303 120- 1		0.0	-.51	-.87	4.71	.01	.01	-.31	-.03	-.08		.00	.00	.005
		8.2	-.51	-.23	3.82	.01	.01	-.31	-.03	-.07		.00	.00	.004
		16.3	-.51	.40	2.94	.01	.01	-.31	-.03	-.05		.00	.00	.004
		24.5	-.51	1.03	2.05	.01	.01	-.31	-.03	-.04		.00	.00	.003
		32.6	-.51	1.67	1.16	.01	.01	-.31	-.03	-.04		.00	.00	.003

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
202- 203 W18- 1		0.0	.62	-.12	-.64	-.01	-.00	-.00	.04	-.00	-.06	.00	.00	.005
		3.6	.62	-.12	-.25	-.01	-.00	-.00	.04	-.00	-.02	.00	.00	.003
		7.3	.62	-.13	.14	-.01	-.00	-.00	.04	-.00	.01	.00	.00	.002
		10.9	.62	-.13	.53	-.01	-.00	-.00	.04	-.00	.05	.00	.00	.004
		14.5	.62	-.14	.92	-.01	-.00	-.00	.04	-.00	.09	.00	.00	.006
202- 204 W08- 1		0.0	.01	.02	-.11	-.00	-.00	.00	.00	.00	-.02	.00	.00	.001
		3.6	.01	.02	-.06	-.00	-.00	.00	.00	.00	-.01	.00	.00	.001
		7.2	.01	.02	-.01	-.00	-.00	.00	.00	.00	-.00	.00	.00	.000
		10.9	.01	.01	.04	-.00	-.00	.00	.00	.00	.01	.00	.00	.000
		14.5	.01	.01	.09	-.00	-.00	.00	.00	.00	.02	.00	.00	.001
202- 205 W08- 1		0.0	-.03	-.02	.01	.00	.00	.00	-.00	-.00	.00	.00	.00	.001
		3.6	-.03	-.02	-.03	.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
		7.2	-.03	-.02	-.07	.00	.00	.00	-.00	-.00	-.01	.00	.00	.001
		10.9	-.03	-.02	-.12	.00	.00	.00	-.00	-.00	-.02	.00	.00	.001
		14.5	-.03	-.01	-.16	.00	.00	.00	-.00	-.00	-.03	.00	.00	.002
203- 205 W18- 1		0.0	-.32	-.33	-.61	-.00	.00	.00	-.02	-.00	-.06	.00	.00	.004
		3.6	-.32	-.21	-.46	-.00	.00	.00	-.02	-.00	-.04	.00	.00	.003
		7.2	-.32	-.08	-.31	-.00	.00	.00	-.02	-.00	-.03	.00	.00	.002
		10.9	-.32	.04	-.15	-.00	.00	.00	-.02	.00	-.01	.00	.00	.002
		14.5	-.32	.16	-.00	-.00	.00	.00	-.02	.00	-.00	.00	.00	.001
203- 303 UKL- 1		0.0	.26	-3.17	-1.16	.28	.72	-7.99	.00	.01		.02	.02	.000
		5.8	.26	29.27	-13.60	.28	.72	-7.99	.00	.05		.02	.02	.002
		7.5	.26	61.72	-26.05	.28	.72	-7.99	.00	.10		.02	.02	.005
		11.3	.26	94.16	-38.49	.28	.72	-7.99	.00	.16		.02	.02	.007
		15.0	.26	126.61	-50.93	.28	.72	-7.99	.00	.21		.02	.02	.009
203- 306 120- 1		0.0	-.55	.22	-6.14	-.04	-.00	-.80	-.03	-.11		.01	.01	.006
		8.2	-.55	.07	-2.67	-.04	-.00	-.80	-.03	-.05		.01	.01	.004
		16.3	-.55	-.07	.80	-.04	-.00	-.80	-.03	-.01		.01	.01	.002
		24.5	-.55	-.22	4.27	-.04	-.00	-.80	-.03	-.08		.01	.01	.005
		32.6	-.55	-.37	7.73	-.04	-.00	-.80	-.03	-.14		.01	.01	.008
204- 205 W08- 1		0.0	.03	-.01	.07	.00	.00	-.00	.00	-.00	.01	.00	.00	.001
		3.6	.03	-.01	.00	.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		7.3	.03	.00	-.06	.00	.00	-.00	.00	.00	-.01	.00	.00	.001
		10.9	.03	.01	-.13	.00	.00	-.00	.00	.00	-.02	.00	.00	.001
		14.5	.03	.01	-.19	.00	.00	-.00	.00	.00	-.03	.00	.00	.002
204- 206 W18- 1		0.0	.11	-.16	-.88	-.01	.00	.00	.01	-.00	-.08	.00	.00	.004
		5.6	.11	-.09	-.24	-.01	.00	.00	.01	-.00	-.02	.00	.00	.001
		7.3	.11	-.01	.40	-.01	.00	.00	.01	-.00	.04	.00	.00	.002
		10.9	.11	.06	1.04	-.01	.00	.00	.01	.00	.10	.00	.00	.005
		14.5	.11	.13	1.68	-.01	.00	.00	.01	.00	.16	.00	.00	.008

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
205- 206 W18- 1		0.0	-.36	.15	-.36	-.01	.00	.00	-.02	.00	-.03	.00	.00	.003
		3.6	-.36	.28	.09	-.01	.00	.00	-.02	.00	.01	.00	.00	.002
		7.3	-.36	.41	.54	-.01	.00	.00	-.02	.00	.05	.00	.00	.004
		10.9	-.36	.55	.98	-.01	.00	.00	-.02	.01	.09	.00	.00	.006
		14.5	-.36	.68	1.43	-.01	.00	.00	-.02	.01	.13	.00	.00	.008
206- 301 120- 1		0.0	.40	-.27	-1.82	.01	.00	1.26	.02	.03		.01	.01	.002
		8.2	.40	-.10	-2.68	.01	.00	1.26	.02	.05		.01	.01	.003
		16.3	.40	.07	-3.55	.01	.00	1.26	.02	.06		.01	.01	.004
		24.5	.40	.23	-4.42	.01	.00	1.26	.02	.08		.01	.01	.004
		32.6	.40	.40	-5.29	.01	.00	1.26	.02	.09		.01	.01	.005
206- 306 DKL- 1		0.0	-.21	.66	3.31	.38	.09	-10.84	-.00	-.01		.02	.02	.000
		3.8	-.21	4.64	-13.91	.38	.09	-10.84	-.00	-.02		.02	.02	.001
		7.5	-.21	8.62	-31.14	.38	.09	-10.84	-.00	-.05		.02	.02	.002
		11.3	-.21	12.60	-48.36	.38	.09	-10.84	-.00	-.06		.02	.02	.003
		15.0	-.21	16.58	-65.59	.38	.09	-10.84	-.00	-.11		.02	.02	.005
301- 303 123- 1		0.0	-1.55	.47	8.52	.03	.00	.87	-.08	-.15		.01	.01	.011
		7.3	-1.55	.65	6.02	.03	.00	.87	-.08	-.11		.01	.01	.009
		14.5	-1.55	.83	3.51	.03	.00	.87	-.08	-.06		.01	.01	.007
		21.7	-1.55	1.02	1.01	.03	.00	.87	-.08	-.03		.01	.01	.006
		29.0	-1.55	1.20	-1.49	.03	.00	.87	-.08	-.03		.01	.01	.006
301- 306 123- 1		0.0	-.77	-.52	5.20	.00	.01	-.56	-.04	-.09		.01	.01	.006
		7.2	-.77	.00	4.92	.00	.01	-.56	-.04	-.09		.01	.01	.006
		14.5	-.77	.52	4.63	.00	.01	-.56	-.04	-.08		.01	.01	.006
		21.7	-.77	1.05	4.34	.00	.01	-.56	-.04	-.06		.01	.01	.006
		29.0	-.77	1.57	4.06	.00	.01	-.56	-.04	-.08		.01	.01	.006
301- 401 DKL- 1		0.0	-.64	-7.26	48.22	.44	.36	40.82	-.01	-.08		.04	.04	.004
		7.1	-.64	23.16	10.88	.44	.36	40.82	-.01	-.04		.04	.04	.002
		14.2	-.64	53.58	-26.46	.44	.36	40.82	-.01	-.09		.04	.04	.004
		21.4	-.64	84.01	-63.80	.44	.36	40.82	-.01	-.17		.04	.04	.007
		28.5	-.64	113.69	-101.57	.55	.17	80.82	-.01	-.24		.04	.04	.010
303- 306 123- 1		0.0	1.73	-3.00	-8.09	-.05	.01	.37	.09	.15		.01	.01	.011
		7.2	1.73	-1.94	-3.49	-.05	.01	.37	.09	.07		.01	.01	.007
		14.5	1.73	-.87	1.12	-.05	.01	.37	.09	.02		.01	.01	.005
		21.7	1.73	.19	5.72	-.05	.01	.37	.09	.10		.01	.01	.008
		29.0	1.73	1.26	10.33	-.05	.01	.37	.09	.18		.01	.01	.012
303- 403 DKL- 1		0.0	.03	130.52	-52.62	-.81	-.79	-15.77	.00	.22		.04	.04	.009
		7.1	.03	63.00	16.31	-.81	-.79	-15.77	.00	.10		.04	.04	.004
		14.2	.03	-4.51	85.25	-.81	-.79	-15.77	.00	.13		.04	.04	.006
		21.4	.03	-72.03	154.18	-.81	-.79	-15.77	.00	.27		.04	.04	.011
		28.5	.03	-147.52	218.62	-.45	-1.43	-15.77	.00	.41		.05	.05	.017

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306- 406 DRL- 1		0.0	-.48	16.82	-63.64	-.70	.45	-32.45	-.01	-.10		.04	.04	.005
		7.1	-.48	55.63	-4.14	-.70	.45	-32.45	-.01	-.09		.04	.04	.004
		14.2	-.48	94.43	55.36	-.70	.45	-32.45	-.01	-.17		.04	.04	.007
		21.4	-.48	133.23	114.86	-.70	.45	-32.45	-.01	-.28		.04	.04	.012
		28.5	-.48	172.03	174.35	-.70	.45	-32.45	-.01	-.38		.04	.04	.016
401- 501 JL4- 1		0.0	-6.07	-63.69	-133.13	-9.09	-1.57	57.27	-.02	-.05		.08	.08	.003
		1.1	-6.06	-85.11	-4.41	-9.72	-1.56	57.27	-.02	-.03		.09	.09	.002
		2.3	-6.06	-106.32	132.87	-10.34	-1.54	57.27	-.02	-.06		.09	.09	.004
		3.4	-6.06	-127.53	278.53	-10.94	-1.53	57.27	-.02	-.11		.10	.10	.006
		4.6	-6.06	-148.16	432.40	-11.54	-1.52	57.27	-.02	-.16		.10	.10	.008
401- 510 P1- 1		0.0	5.35	-81.37	80.14	8.96	1.13	-24.78	.02	.05		.09	.09	.003
		1.1	5.35	-65.87	-42.71	8.96	1.13	-24.78	.02	.04		.09	.09	.003
		2.3	5.35	-50.37	-165.55	8.96	1.13	-24.78	.02	.08		.09	.09	.005
		3.4	5.35	-34.87	-288.40	8.96	1.13	-24.78	.02	.14		.09	.09	.007
		4.6	5.35	-19.37	-411.24	8.96	1.13	-24.78	.02	.19		.09	.09	.009
403- 503 JL4- 1		0.0	-268.75	-152.85	-59.16	5.16	3.45	-113.26	-1.06	-.06		.07	.07	.052
		1.1	-268.74	-101.88	-131.91	5.47	4.00	-113.26	-1.06	-.06		.07	.07	.052
		2.3	-268.74	-43.40	-208.83	5.77	4.54	-113.26	-1.06	-.08		.08	.08	.052
		3.4	-268.74	22.43	-289.82	6.06	5.07	-113.26	-1.06	-.10		.08	.08	.054
		4.6	-268.73	95.47	-374.79	6.35	5.59	-113.26	-1.06	-.14		.09	.09	.055
403- 511 P1- 1		0.0	269.94	40.35	-103.84	-3.80	-1.78	64.62	1.22	.09		.05	.05	.060
		1.1	269.94	15.89	-131.71	-3.80	-1.78	64.62	1.22	.06		.05	.05	.059
		2.3	269.94	-8.57	-79.57	-3.80	-1.78	64.62	1.22	.04		.05	.05	.058
		3.4	269.94	-33.03	-27.43	-3.80	-1.78	64.62	1.22	.02		.05	.05	.057
		4.6	269.94	-57.49	24.70	-3.80	-1.78	64.62	1.22	.03		.05	.05	.058
406- 506 JL4- 1		0.0	278.94	126.11	111.50	1.95	-2.68	-88.49	1.10	.06		.04	.04	.053
		1.1	278.94	89.42	84.82	1.95	-2.68	-88.49	1.10	.04		.04	.04	.053
		2.3	278.94	51.10	57.23	2.15	-3.03	-88.49	1.10	.03		.04	.04	.052
		3.4	278.94	6.17	25.83	2.44	-3.53	-88.49	1.10	.01		.05	.05	.051
		4.6	278.94	-45.58	-9.54	2.73	-4.03	-88.49	1.10	.02		.05	.05	.051
406- 512 P1- 1		0.0	-279.34	45.92	65.85	-2.64	3.11	85.12	-1.26	-.04		.06	.06	.060
		1.1	-279.34	88.54	102.12	-2.64	3.11	85.12	-1.26	-.06		.06	.06	.062
		2.3	-279.34	131.15	138.40	-2.64	3.11	85.12	-1.26	-.09		.06	.06	.063
		3.4	-279.34	173.78	174.67	-2.64	3.11	85.12	-1.26	-.12		.06	.06	.064
		4.6	-279.34	216.40	210.95	-2.64	3.11	85.12	-1.26	-.14		.06	.06	.065
501- 502 105- 1		0.0	5.79	-15.23	69.29	-.16	.23	-7.88	.19	.64		.05	.05	.036
		3.8	5.79	-6.48	66.09	.30	.16	-7.88	.19	.59		.06	.06	.034
		7.6	5.79	.75	41.81	.77	.10	-7.88	.19	.37		.09	.09	.025
		11.4	5.79	2.40	-4.00	1.25	.04	-7.88	.19	.04		.12	.12	.011
		15.1	5.79	3.41	-71.75	1.74	.00	-7.88	.19	.64		.15	.15	.036

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	105- 1	0.0	-23.24	-59.28	71.97	-.06	.61	3.14	-.77	-.83		.05	.05	.078
		3.8	-23.24	-33.34	63.87	.41	.53	3.14	-.77	-.65		.06	.06	.070
		7.6	-23.23	-11.29	34.59	.87	.44	3.14	-.77	-.33		.08	.08	.056
		11.4	-23.23	6.47	-15.50	1.33	.34	3.14	-.77	-.15		.10	.10	.049
		15.1	-23.24	19.50	-86.02	1.77	.23	3.14	-.77	-.79		.13	.13	.076
501- 601	JLS- 1	0.0	-19.52	-189.67	208.96	14.04	3.53	84.99	-.14	-.18		.23	.23	.014
		1.5	-19.52	-125.13	-40.17	13.27	3.55	84.99	-.14	-.08		.22	.22	.010
		3.0	-19.51	-60.28	-275.53	12.53	3.56	84.99	-.14	-.18		.21	.21	.014
		4.6	-19.51	4.69	-497.57	11.81	3.58	84.99	-.14	-.31		.20	.20	.020
		6.1	-19.51	70.38	-706.65	11.11	3.60	84.99	-.14	-.45		.19	.19	.025
501- 622	200- 1	0.0	25.16	97.23	-210.84	-2.84	-1.23	-6.66	.66	1.30		.18	.18	.085
		5.1	25.15	28.04	-58.37	-2.14	-1.03	-6.66	.66	.36		.14	.14	.046
		10.2	25.14	-28.06	52.29	-1.47	-.80	-6.66	.66	.33		.11	.11	.045
		15.3	25.13	-69.30	123.02	-.84	-.55	-6.66	.66	.79		.07	.07	.064
		20.4	25.12	-95.44	156.70	-.26	-.30	-6.66	.66	1.03		.04	.04	.074
502- 503	105- 1	0.0	8.83	5.15	-43.47	-1.16	-.18	3.48	.29	.39		.09	.09	.030
		3.8	8.83	-3.78	-2.00	-.67	-.21	3.48	.29	.04		.06	.06	.015
		7.6	8.83	-13.93	17.08	-.17	-.23	3.48	.29	.20		.03	.03	.022
		11.4	8.83	-24.78	13.79	.32	-.24	3.48	.29	.25		.04	.04	.024
		15.1	8.83	-35.84	-11.88	.81	-.24	3.48	.29	.34		.07	.07	.028
502- 504	105- 1	0.0	.53	-4.93	-5.18	-.04	.04	1.03	.04	.24		.03	.03	.012
		3.8	.53	-2.39	-3.20	-.04	.07	1.03	.04	.13		.03	.03	.008
		7.6	.53	.65	-1.21	-.04	.07	1.03	.04	.05		.03	.03	.004
		11.4	.53	3.69	.77	-.04	.07	1.03	.04	.13		.03	.03	.007
		15.2	.53	6.23	2.76	-.04	.04	1.03	.04	.23		.03	.03	.012
502- 505	105- 1	0.0	-4.25	-7.35	-23.10	-.71	.14	-.42	-.36	-.81		.13	.13	.054
		3.8	-4.27	-1.96	1.15	-.35	.10	-.42	-.36	-.08		.07	.07	.023
		7.6	-4.28	1.28	9.16	.00	.04	-.42	-.36	-.31		.01	.01	.033
		11.4	-4.29	1.94	.94	.36	-.02	-.42	-.36	-.07		.07	.07	.023
		15.2	-4.30	-.42	-23.52	.72	-.09	-.42	-.36	-.79		.13	.13	.053
503- 505	105- 1	0.0	14.28	-38.10	-24.75	-.15	.16	-7.70	.47	.41		.05	.05	.039
		3.8	14.28	-28.93	-18.08	-.15	.24	-7.70	.47	.31		.05	.05	.035
		7.6	14.28	-16.39	-11.41	-.15	.31	-7.70	.47	.18		.06	.06	.029
		11.4	14.28	-1.27	-4.73	-.15	.35	-7.70	.47	.04		.06	.06	.024
		15.1	14.28	15.15	1.94	-.15	.37	-7.70	.47	.14		.06	.06	.028
503- 603	JLS- 1	0.0	-225.13	160.91	-289.51	-9.72	-7.44	-208.97	-1.57	-.21		.24	.24	.082
		1.5	-225.12	31.41	-115.68	-9.34	-6.76	-208.97	-1.57	-.08		.23	.23	.077
		3.0	-225.12	-86.01	51.45	-8.98	-6.11	-208.97	-1.57	-.06		.22	.22	.076
		4.6	-225.12	-191.76	212.08	-8.63	-5.48	-208.97	-1.57	-.18		.21	.21	.081
		6.1	-225.12	-286.16	366.40	-8.29	-4.87	-208.97	-1.57	-.29		.20	.20	.086

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
503- 625	200- 1	0.0	-48.42	-179.77	-73.92	-.42	2.02	-10.28	-1.27	-1.09		.14	.14	.109
		5.1	-48.43	-88.92	-49.66	-.38	1.62	-10.28	-1.27	-.48		.12	.12	.083
		10.1	-48.43	16.85	-28.16	-.33	1.20	-10.28	-1.27	-.18		.09	.09	.071
		15.2	-48.42	76.52	-9.43	-.29	.77	-10.28	-1.27	-.43		.07	.07	.082
		20.3	-48.41	109.87	6.53	-.24	.33	-10.28	-1.27	-.62		.05	.05	.089
504- 505	105- 1	0.0	3.63	-1.79	-17.77	-.66	.18	-.45	.30	.60		.12	.12	.039
		3.8	3.63	3.75	4.32	-.31	.07	-.45	.30	.19		.06	.06	.022
		7.6	3.63	4.54	10.47	.04	-.03	-.45	.30	.38		.02	.02	.030
		11.4	3.63	1.03	.24	.41	-.12	-.45	.30	.04		.08	.08	.016
		15.2	3.63	-6.37	-26.80	.78	-.20	-.45	.30	.92		.14	.14	.053
504- 506	165- 1	0.0	-25.40	23.00	-65.50	-1.51	.10	7.74	-.84	-.62		.13	.13	.073
		3.8	-25.40	24.65	-7.07	-1.06	-.03	7.74	-.84	-.23		.11	.11	.056
		7.6	-25.41	20.26	51.28	-.62	-.17	7.74	-.84	-.33		.08	.08	.061
		11.4	-25.42	9.00	49.55	-.18	-.33	7.74	-.84	-.45		.06	.06	.066
		15.2	-25.43	-10.02	47.74	.26	-.51	7.74	-.84	-.44		.07	.07	.065
505- 506	165- 1	0.0	9.01	17.37	-48.38	-.76	.08	-1.82	.30	.46		.06	.06	.033
		3.8	9.01	20.81	-13.99	-.76	.08	-1.82	.30	.22		.06	.06	.023
		7.6	9.01	24.19	20.39	-.76	.07	-1.82	.30	.28		.06	.06	.026
		11.4	9.01	26.70	54.78	-.76	.04	-1.82	.30	.55		.06	.06	.037
		15.2	9.01	27.06	89.16	-.76	-.03	-1.82	.30	.83		.06	.06	.049
506- 606	JL5- 1	0.0	261.20	130.14	98.35	-1.86	4.53	.19	1.83	.10		.07	.07	.089
		1.5	261.20	206.94	128.87	-1.49	3.89	.19	1.83	.15		.06	.06	.091
		3.0	261.21	272.19	152.73	-1.13	3.26	.19	1.83	.20		.05	.05	.093
		4.6	261.21	326.19	170.18	-.78	2.66	.19	1.83	.23		.04	.04	.094
		6.1	261.21	369.56	181.38	-.45	2.08	.19	1.83	.26		.03	.03	.095
506- 624	200- 1	0.0	31.81	76.39	265.75	3.10	-.55	12.70	.84	1.55		.20	.20	.104
		5.1	31.85	44.09	97.89	2.43	-.51	12.70	.84	.60		.17	.17	.064
		10.1	31.85	14.81	-29.49	1.77	-.45	12.70	.84	.18		.13	.13	.047
		15.2	31.86	-10.65	-117.83	1.14	-.38	12.70	.84	.66		.10	.10	.067
		20.2	31.87	-31.57	-169.10	.55	-.31	12.70	.84	.96		.07	.07	.079
510- 710	P1- 1	0.0	5.36	-16.78	-411.36	2.91	1.16	-24.68	.02	.19		.03	.03	.009
		6.3	5.36	71.79	-632.48	2.91	1.16	-24.68	.02	.30		.03	.03	.014
		12.7	5.36	160.36	-853.59	2.91	1.16	-24.68	.02	.41		.03	.03	.018
		19.0	5.36	248.93	-1074.70	2.91	1.16	-24.68	.02	.52		.03	.03	.023
		25.3	5.36	337.51	-1295.82	2.91	1.16	-24.68	.02	.63		.03	.03	.027
511- 711	P1- 1	0.0	209.95	-57.27	25.08	-3.84	-3.40	64.68	1.22	.03		.06	.06	.058
		6.3	209.95	-315.89	316.92	-3.84	-3.40	64.68	1.22	.21		.06	.06	.065
		12.7	209.95	-574.52	608.76	-3.84	-3.40	64.68	1.22	.39		.06	.06	.073
		19.0	209.95	-833.14	900.60	-3.84	-3.40	64.68	1.22	.57		.06	.06	.081
		25.3	209.95	-1091.77	1192.44	-3.84	-3.40	64.68	1.22	.76		.06	.06	.088

LOAD CONDITION NO. 5

U.S. NAVY - ACHN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
512- 712	P1- 1	0.0	-279.34	210.40	210.90	.84	1.94	85.22	-1.26	-.14		.04	.04	.067
		6.3	-279.34	363.70	147.33	.84	1.94	85.22	-1.26	-.18		.04	.04	.069
		12.7	-279.34	511.01	83.76	.84	1.94	85.22	-1.26	-.24		.04	.04	.072
		19.0	-279.34	658.31	20.19	.84	1.94	85.22	-1.26	-.31		.04	.04	.075
		25.3	-279.34	805.61	-43.39	.84	1.94	85.22	-1.26	-.38		.04	.04	.077
ERROR NO. 96														
EQUILIBRIUM CHECK			-3.6442704E-03	-.2546711		1.5594757E-02	5.3023541E-10	-5.2907822E-02	-.8585454					
MEMBER 601 621														
601- 621	JL6- 1	0.0	-18.73	93.94	-695.38	6.28	1.50	231.14	-.13	-.44		.16	.16	.025
		1.5	-18.73	121.59	-803.77	5.60	1.53	231.14	-.13	-.51		.15	.15	.028
		3.0	-18.74	149.92	-899.84	4.98	1.57	231.14	-.13	-.57		.15	.15	.030
		4.6	-18.75	178.97	-984.04	4.29	1.61	231.14	-.13	-.63		.14	.14	.033
		6.1	-18.77	208.66	-1057.60	3.42	1.66	231.14	-.13	-.68		.13	.13	.035
603- 623	JL6- 1	0.0	-223.82	-266.16	324.04	-4.82	-4.84	-231.35	-1.57	-.26		.17	.17	.084
		1.5	-223.99	-349.58	409.22	-4.52	-4.50	-231.35	-1.57	-.34		.16	.16	.087
		3.0	-224.16	-423.35	489.00	-4.23	-3.78	-231.35	-1.57	-.41		.15	.15	.090
		4.6	-224.32	-487.85	563.54	-3.94	-3.27	-231.35	-1.57	-.47		.14	.14	.093
		6.1	-224.53	-543.54	633.39	-3.56	-2.58	-231.35	-1.57	-.52		.13	.13	.095
606- 626	JL6- 1	0.0	261.20	369.36	181.38	-.45	2.92	-.40	1.83	.26		.04	.04	.095
		1.5	261.35	417.08	186.37	-.10	2.40	-.40	1.83	.29		.03	.03	.097
		3.0	261.51	456.92	185.23	.23	1.88	-.40	1.83	.31		.03	.03	.098
		4.6	261.65	486.74	178.21	.54	1.39	-.40	1.83	.33		.02	.02	.098
		6.1	261.85	508.33	165.92	.98	.71	-.40	1.83	.34		.02	.02	.099
621- 651	JL6- 1	0.0	-18.77	208.66	-1057.44	3.67	1.60	232.45	-.13	-.68		.13	.13	.035
		1.5	-18.77	232.57	-1115.74	2.73	1.56	232.45	-.13	-.72		.12	.12	.036
		3.0	-18.78	260.67	-1157.20	1.62	1.52	232.45	-.13	-.75		.11	.11	.038
		4.6	-18.79	287.94	-1182.43	.95	1.47	232.45	-.13	-.76		.10	.10	.038
		6.1	-18.80	314.42	-1191.94	.10	1.43	232.45	-.13	-.77		.09	.09	.039
622- 703	20D- 1	0.0	25.13	-95.55	156.54	-.29	-.02	-8.55	.66	1.03		.04	.04	.074
		5.4	25.12	-81.32	144.90	-.03	.45	-8.55	.66	.93		.06	.06	.070
		10.9	25.11	-36.48	75.46	1.48	.92	-8.55	.66	.47		.12	.12	.050
		16.3	25.10	38.85	-48.12	2.29	1.39	-8.55	.66	.35		.16	.16	.045
		21.8	25.08	144.54	-222.21	3.03	1.85	-8.55	.66	1.48		.21	.21	.093
623- 653	JL6- 1	0.0	-224.47	-545.80	630.01	-3.47	-3.11	-232.69	-1.57	-.52		.14	.14	.095
		1.5	-224.25	-596.70	689.53	-3.03	-2.47	-232.69	-1.57	-.57		.13	.13	.097
		3.0	-224.08	-636.08	740.70	-2.60	-1.85	-232.69	-1.57	-.61		.12	.12	.099
		4.6	-223.84	-664.36	784.36	-2.19	-1.25	-232.69	-1.57	-.65		.11	.11	.100
		6.1	-223.65	-681.87	820.58	-1.79	-.67	-232.69	-1.56	-.67		.10	.10	.101
624- 701	20D- 1	0.0	31.87	-31.55	-169.11	.54	-.32	12.64	.84	.96		.07	.07	.079
		5.5	31.88	-43.48	-171.62	-.46	-.08	12.64	.84	.99		.06	.06	.080
		11.0	31.89	-36.84	-110.10	-1.40	.24	12.64	.84	.65		.11	.11	.066

	21.9	31.94	35.25	169.02	-3.10	.82	12.64	.84	1.07		.20	.20	.084

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
625- 700 200- 1		0.0	-48.41	109.88	6.57	-.21	.31	-10.22	-1.27	-.62		.05	.05	.090
		5.5	-48.40	108.42	19.00	-.16	-.36	-10.22	-1.27	-.62		.05	.05	.090
		11.0	-48.40	62.73	28.15	-.11	-1.03	-10.22	-1.27	-.38		.08	.08	.080
		16.4	-48.41	-25.64	34.02	-.06	-1.66	-10.22	-1.27	-.24		.12	.12	.074
		21.9	-48.41	-155.41	36.16	.00	-2.27	-10.22	-1.27	-.89		.15	.15	.102
626- 650 JL6- 1		0.0	261.79	507.68	165.49	.65	.48	-.13	1.83	.34		.01	.01	.099
		1.5	261.55	509.92	145.98	1.29	-.24	-.13	1.83	.33		.02	.02	.099
		3.0	261.31	499.19	118.62	1.71	-.94	-.13	1.83	.32		.03	.03	.096
		4.6	261.07	475.82	83.64	2.12	-1.62	-.13	1.83	.30		.04	.04	.097
		6.1	260.84	440.15	41.23	2.52	-2.28	-.13	1.82	.28		.05	.05	.096
651- 701 JL6- 1		0.0	-21.21	300.37	-1136.70	-9.64	-1.23	410.69	-.15	-.74		.27	.27	.038
		1.8	-21.20	274.56	-920.30	-10.64	-1.19	410.69	-.15	-.60		.28	.28	.032
		3.5	-21.19	249.74	-683.82	-11.57	-1.14	410.69	-.15	-.46		.29	.29	.026
		5.3	-21.19	225.91	-427.91	-12.46	-1.10	410.69	-.15	-.30		.30	.30	.020
		7.1	-21.18	202.98	-153.19	-13.34	-1.06	410.69	-.15	-.16		.32	.32	.014
653- 703 JL6- 1		0.0	-240.07	-696.98	859.11	4.74	3.01	-268.16	-1.68	-.70		.16	.16	.106
		1.8	-240.08	-626.15	753.54	5.18	3.83	-268.16	-1.68	-.62		.17	.17	.104
		3.5	-240.07	-536.05	638.71	5.60	4.63	-268.16	-1.68	-.52		.19	.19	.101
		5.3	-240.07	-429.58	514.98	6.01	5.39	-268.16	-1.68	-.42		.20	.20	.096
		7.1	-240.08	-306.81	382.77	6.40	6.12	-268.16	-1.68	-.31		.21	.21	.092
655- 700 JL6- 1		0.0	260.84	440.15	41.23	2.52	-2.40	-.11	1.82	.28		.05	.05	.096
		1.8	260.84	380.07	-17.71	3.01	-3.23	-.11	1.82	.24		.06	.06	.095
		3.5	260.84	302.76	-86.85	3.48	-4.02	-.11	1.82	.20		.07	.07	.093
		5.3	260.84	208.93	-165.84	3.94	-4.79	-.11	1.82	.17		.09	.09	.092
		7.1	260.84	99.01	-254.46	4.39	-5.54	-.11	1.82	.17		.10	.10	.092
701- 702 137- 1		0.0	20.63	24.80	27.77	-.40	-.18	-3.08	1.07	.66		.07	.07	.077
		4.7	20.63	14.62	38.39	.02	-.18	-3.08	1.07	.72		.05	.05	.080
		9.4	20.63	4.46	25.24	.44	-.18	-3.08	1.07	.45		.08	.08	.069
		14.1	20.63	-5.22	-11.66	.87	-.16	-3.08	1.07	.23		.12	.12	.059
		18.8	20.63	-13.36	-72.31	1.29	-.12	-3.08	1.07	1.30		.16	.16	.104
701- 704 137- 1		0.0	-3.36	-12.62	27.14	-.43	.09	-5.37	-.17	-.53		.09	.09	.034
		4.7	-3.34	-7.94	39.44	-.01	.06	-5.37	-.17	-.71		.06	.06	.041
		9.4	-3.31	-3.72	28.18	.41	.07	-5.37	-.17	-.50		.09	.09	.033
		14.1	-3.29	-.82	-6.42	.83	.04	-5.37	-.17	-.12		.13	.13	.016
		18.8	-3.26	.10	-64.96	1.25	-.01	-5.37	-.17	-1.15		.18	.18	.060
701- 601 JL7- 1		0.0	23.18	171.18	-189.64	4.95	-1.19	120.63	.33	.32		.22	.22	.029
		7.1	23.21	78.22	-475.63	1.84	-.99	120.63	.33	.41		.14	.14	.041
		14.2	23.25	1.94	-514.64	-.66	-.80	120.63	.33	.65		.11	.11	.043
		21.3	23.27	-58.87	-359.29	-3.20	-.63	120.63	.33	.44		.17	.17	.034
		28.4	23.30	-105.77	23.86	-5.28	-.47	120.63	.33	.14		.23	.23	.021

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
701- 806	200- 1	0.0	-44.75	-114.05	-237.23	-3.10	1.21	-11.49	-1.18	-1.47		.21	.21	.134
		12.5	-44.75	22.22	95.37	-1.35	.61	-11.49	-1.18	-.55		.11	.11	.095
		25.1	-44.74	69.08	181.24	.17	.03	-11.49	-1.18	-1.09		.04	.04	.117
		37.6	-44.71	38.06	55.96	1.45	-.43	-11.49	-1.18	-.38		.11	.11	.096
		50.2	-44.68	-59.32	-244.87	2.51	-.86	-11.49	-1.17	-1.41		.17	.17	.131
702- 703	137- 1	0.0	22.74	-12.67	-47.27	-1.08	-.02	2.33	1.18	.86		.13	.13	.091
		4.7	22.74	-12.33	1.56	-.66	.03	2.33	1.18	.22		.09	.09	.064
		9.4	22.74	-8.69	26.63	-.23	.10	2.33	1.18	.49		.05	.05	.076
		14.1	22.74	-1.10	27.94	.19	.17	2.33	1.18	.49		.05	.05	.075
		18.8	22.74	11.11	5.50	.61	.26	2.33	1.18	.22		.09	.09	.044
702- 704	107- 1	0.0	-.23	-2.30	3.52	.02	-.08	1.03	-.02	-.14		.03	.03	.007
		4.7	-.23	-4.65	2.44	.02	-.00	1.03	-.02	-.18		.02	.02	.009
		9.4	-.23	-5.03	1.37	.02	.06	1.03	-.02	-.11		.03	.03	.006
		14.1	-.23	1.44	.29	.02	.10	1.03	-.02	-.05		.03	.03	.003
		18.8	-.23	8.55	-.76	.02	.15	1.03	-.02	-.29		.04	.04	.013
702- 705	107- 1	0.0	-3.01	-2.99	-28.56	-.65	-.02	-.62	-.25	-.96		.15	.15	.055
		4.7	-3.02	-5.00	7.15	-.42	.02	-.62	-.25	-.26		.08	.08	.026
		9.4	-3.02	-1.48	18.32	.02	.03	-.62	-.25	-.61		.02	.02	.041
		14.1	-3.01	.53	5.28	.45	.04	-.62	-.25	-.18		.09	.09	.022
		18.8	-2.99	2.55	-31.65	.87	.04	-.62	-.25	-1.06		.16	.16	.059
703- 705	137- 1	0.0	-12.80	6.16	-52.68	-.42	-.28	-2.00	-.67	-.94		.07	.07	.044
		4.7	-12.80	-6.12	-29.29	-.42	-.16	-2.00	-.67	-.53		.06	.06	.047
		9.4	-12.80	-11.82	-5.90	-.42	-.05	-2.00	-.67	-.23		.06	.06	.054
		14.1	-12.80	-12.23	17.50	-.42	.03	-2.00	-.67	-.38		.06	.06	.040
		18.8	-12.80	-8.69	40.89	-.42	.09	-2.00	-.67	-.74		.06	.06	.075
703- 801	200- 1	0.0	-45.03	-61.57	293.66	3.41	.39	9.67	-1.18	-1.68		.21	.21	.143
		12.5	-44.98	-11.65	-82.05	1.62	.27	9.67	-1.18	-.46		.11	.11	.092
		25.1	-44.94	19.70	-202.56	.01	.15	9.67	-1.18	-1.14		.03	.03	.120
		37.6	-44.91	32.13	-95.95	-1.40	.02	9.67	-1.18	-.57		.10	.10	.096
		50.2	-44.89	24.59	209.53	-2.83	-.12	9.67	-1.18	-1.18		.17	.17	.122
703- 803	JL7- 1	0.0	-202.14	-250.18	373.29	-1.05	-3.95	88.02	-2.86	-.57		.17	.17	.163
		7.1	-202.11	-473.06	402.03	.55	-1.35	88.02	-2.86	-.79		.10	.10	.173
		14.2	-202.10	-491.55	323.39	1.48	.87	88.02	-2.86	-.75		.10	.10	.171
		21.3	-202.07	-333.16	153.77	2.48	2.81	88.02	-2.86	-.47		.16	.16	.159
		28.4	-202.08	-21.23	-93.96	3.32	4.47	88.02	-2.86	-.12		.21	.21	.145
704- 705	107- 1	0.0	3.20	2.44	-33.38	-.67	.03	.17	.27	1.12		.15	.15	.060
		4.7	3.20	5.00	3.51	-.44	-.01	.17	.27	.15		.08	.08	.019
		9.4	3.20	1.58	16.65	-.02	-.04	.17	.27	.58		.01	.01	.036
		14.1	3.20	-1.16	6.03	.40	-.06	.17	.27	.21		.07	.07	.021
		18.8	3.20	-4.56	-24.35	.82	-.06	.17	.27	.96		.14	.14	.053

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
											KSI			
801- 804	148- 1	0.0	-12.98	-6.76	52.09	-.19	-.01	-7.81	-.61	-.76		.07	.07	.076
		5.7	-12.99	-7.42	53.88	.14	-.01	-7.81	-.61	-.79		.07	.07	.077
		11.4	-12.99	-8.08	52.97	.47	-.01	-7.81	-.61	-.49		.10	.10	.044
		17.1	-13.00	-8.74	-10.65	.80	-.01	-7.81	-.61	-.20		.13	.13	.052
		22.8	-13.00	-9.39	-76.99	1.14	-.01	-7.81	-.61	-1.12		.16	.16	.091
801- 901	JL8- 1	0.0	-29.07	84.57	-17.96	3.67	-.72	-37.70	-.41	-.11		.13	.13	.025
		8.1	-29.04	21.79	-209.84	1.54	-.58	-37.70	-.41	-.34		.07	.07	.035
		16.2	-29.05	-30.91	-328.41	-.34	-.50	-37.70	-.41	-.42		.04	.04	.038
		24.3	-29.02	-75.17	-210.40	-2.01	-.41	-37.70	-.41	-.28		.08	.08	.032
		32.4	-29.00	-110.50	60.05	-3.52	-.32	-37.70	-.41	-.16		.12	.12	.027
801- 903	200- 1	0.0	47.49	142.36	-111.17	-1.72	-1.16	-12.18	1.25	1.01		.14	.14	.100
		14.9	47.55	-13.81	98.11	-.06	-.54	-12.18	1.25	.55		.08	.08	.081
		29.8	47.56	-69.15	136.24	.21	-.04	-12.18	1.25	.85		.05	.05	.094
		44.7	47.52	-31.74	30.02	.96	.45	-12.18	1.25	.24		.09	.09	.068
		59.6	47.49	85.10	-201.17	1.61	.84	-12.18	1.25	1.22		.13	.13	.109
802- 803	148- 1	0.0	3.11	-14.09	-38.55	-.71	-.02	5.06	.15	.62		.10	.10	.033
		5.7	3.11	-10.28	.23	-.42	.05	5.06	.15	.26		.08	.08	.018
		11.4	3.11	-12.61	19.32	-.14	.12	5.06	.15	.33		.05	.05	.021
		17.1	3.11	-1.09	18.93	.15	.22	5.06	.15	.27		.06	.06	.018
		22.8	3.11	17.24	-.94	.43	.32	5.06	.15	.25		.09	.09	.017
802- 804	108- 1	0.0	.33	-3.25	-1.65	-.00	-.07	1.87	.03	.12		.04	.04	.006
		5.7	.33	-5.95	-1.31	-.00	-.01	1.87	.03	.20		.03	.03	.010
		11.4	.33	-4.76	-.97	-.00	.05	1.87	.03	.16		.04	.04	.008
		17.1	.33	.34	-.64	-.00	.10	1.87	.03	.02		.05	.05	.002
		22.8	.33	9.35	-.30	-.00	.16	1.87	.03	.31		.06	.06	.014
802- 805	108- 1	0.0	-2.61	-3.18	-24.72	-.52	-.05	-1.48	-.22	-.83		.11	.11	.049
		5.7	-2.59	-4.88	1.92	-.26	-.00	-1.48	-.22	-.18		.07	.07	.021
		11.4	-2.58	-5.65	11.16	-.01	.03	-1.48	-.22	-.39		.03	.03	.030
		17.1	-2.56	-.47	3.00	.25	.06	-1.48	-.22	-.10		.07	.07	.018
		22.8	-2.55	3.69	-22.55	.50	.06	-1.48	-.21	-.76		.11	.11	.046
803- 805	148- 1	0.0	12.32	-3.61	-29.49	-.16	-.24	-.85	.58	.43		.03	.03	.045
		5.7	12.32	-16.25	-18.58	-.16	-.13	-.85	.58	.36		.03	.03	.042
		11.4	12.32	-22.08	-7.66	-.16	-.04	-.85	.58	.34		.02	.02	.041
		17.1	12.32	-22.07	3.26	-.16	.04	-.85	.58	.32		.02	.02	.040
		22.8	12.32	-17.16	14.17	-.16	.10	-.85	.58	.32		.02	.02	.040
803- 903	JL8- 1	0.0	-112.96	-75.92	-20.53	-1.25	-2.27	-44.41	-1.60	-.10		.10	.10	.083
		8.1	-112.99	-214.90	60.14	-.42	-.62	-44.41	-1.60	-.28		.05	.05	.091
		16.2	-112.98	-203.05	64.76	.31	.83	-44.41	-1.60	-.27		.05	.05	.090
		24.3	-112.95	-60.26	2.49	.94	2.07	-44.41	-1.60	-.08		.09	.09	.082
		32.4	-112.94	193.96	-116.04	1.48	3.12	-44.41	-1.60	-.29		.13	.13	.091

LOAD CONDITION NO. 5

U.S. NAVY - ACAN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
704- 706	137- 1	0.0	-5.71	2.15	-32.38	-.89	.11	4.57	-.30	-.57		.13	.13	.044
		4.7	-5.69	7.08	5.75	-.47	.06	4.57	-.30	-.16		.09	.09	.026
		9.4	-5.67	8.73	20.89	-.07	-.00	4.57	-.29	-.40		.05	.05	.036
		14.1	-5.66	6.41	13.59	.33	-.08	4.57	-.29	-.27		.08	.08	.031
		18.8	-5.66	-.52	-15.56	.71	-.17	4.57	-.29	-.27		.12	.12	.031
705- 706	137- 1	0.0	-17.35	-5.53	-19.11	-.21	.06	-.65	-.90	-.35		.03	.03	.075
		4.7	-17.35	-.02	-7.50	-.21	.11	-.65	-.90	-.13		.03	.03	.066
		9.4	-17.35	6.93	4.11	-.21	.16	-.65	-.90	-.14		.03	.03	.066
		14.1	-17.35	16.01	15.72	-.21	.19	-.65	-.90	-.41		.03	.03	.077
		18.8	-17.35	27.50	27.33	-.21	.19	-.65	-.90	-.60		.03	.03	.089
706- 803	200- 1	0.0	77.75	188.51	-65.90	-.21	-1.74	-.92	2.04	1.12		.09	.09	.142
		12.5	77.76	-15.42	-33.40	-.22	-.97	-.92	2.04	.21		.05	.05	.103
		25.1	77.76	-103.10	-.33	-.22	-.20	-.92	2.04	.58		.02	.02	.119
		37.6	77.79	-75.00	32.01	-.20	.57	-.92	2.04	.46		.03	.03	.114
		50.2	77.78	66.46	57.03	-.12	1.31	-.92	2.04	.49		.07	.07	.115
706- 806	JL7- 1	0.0	189.51	156.12	-206.21	-3.63	4.34	-94.41	2.68	.33		.22	.22	.138
		7.1	189.52	412.40	50.45	-2.23	1.69	-94.41	2.68	.53		.14	.14	.146
		14.2	189.50	455.28	179.98	-.64	-.64	-94.41	2.68	.62		.09	.09	.150
		21.3	189.52	311.34	197.67	.40	-2.70	-94.41	2.68	.47		.14	.14	.144
		28.4	189.52	1.57	115.44	1.51	-4.54	-94.41	2.68	.15		.20	.20	.130
710- 810	M2- 1	0.0	5.36	335.59	-1296.32	-1.22	-1.13	-24.26	.02	.56		.02	.02	.024
		7.1	5.36	239.40	-1192.48	-1.22	-1.13	-24.26	.02	.51		.02	.02	.022
		14.2	5.36	143.21	-1088.65	-1.22	-1.13	-24.26	.02	.46		.02	.02	.020
		21.3	5.36	47.01	-984.81	-1.22	-1.13	-24.26	.02	.41		.02	.02	.018
		28.4	5.36	-49.18	-880.98	-1.22	-1.13	-24.26	.02	.37		.02	.02	.016
711- 811	M2- 1	0.0	269.94	-1093.53	1190.86	2.65	.45	63.94	1.07	.67		.03	.03	.078
		7.1	269.94	-1055.48	965.48	2.65	.45	63.94	1.07	.60		.03	.03	.075
		14.2	269.94	-1017.43	740.09	2.65	.45	63.94	1.07	.52		.03	.03	.072
		21.3	269.94	-979.37	514.71	2.65	.45	63.94	1.07	.46		.03	.03	.069
		28.4	269.94	-941.32	289.32	2.65	.45	63.94	1.07	.41		.03	.03	.067
712- 812	M2- 1	0.0	-279.34	805.01	-43.35	-1.66	.51	85.24	-1.11	-.34		.03	.03	.069
		7.1	-279.34	848.09	97.62	-1.66	.51	85.24	-1.11	-.36		.03	.03	.070
		14.2	-279.34	891.77	238.60	-1.66	.51	85.24	-1.11	-.38		.03	.03	.071
		21.3	-279.34	934.85	379.57	-1.66	.51	85.24	-1.11	-.42		.03	.03	.072
		28.4	-279.34	977.93	520.55	-1.66	.51	85.24	-1.11	-.46		.03	.03	.074
801- 802	148- 1	0.0	1.19	39.11	54.29	-.13	-.25	-2.19	.06	.97		.04	.04	.043
		5.7	1.19	22.05	53.76	.15	-.24	-2.19	.06	.84		.04	.04	.038
		11.4	1.19	5.96	53.75	.44	-.22	-2.19	.06	.50		.06	.06	.023
		17.1	1.19	-8.17	-5.73	.72	-.19	-2.19	.06	.14		.09	.09	.009
		22.8	1.19	-19.39	-64.70	1.00	-.14	-2.19	.06	.98		.11	.11	.044

LOAD CONDITION NO. 5

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - PLN 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
803- 906	200- 1	0.0	-85.74	-136.17	-78.70	-.26	.68	-.21	-2.25	-.88		.04	.04	.186
		14.9	-85.74	-22.08	-32.82	-.24	.55	-.21	-2.25	-.22		.03	.03	.160
		29.8	-85.75	86.26	8.74	-.18	.20	-.21	-2.25	-.26		.01	.01	.161
		44.7	-85.76	50.70	30.67	-.11	-.15	-.21	-2.25	-.33		.01	.01	.164
		59.6	-85.77	-9.07	44.93	-.05	-.51	-.21	-2.25	-.26		.03	.03	.161
804- 805	106- 1	0.0	2.37	4.68	-23.47	-.56	-.02	.06	.20	.80		.09	.09	.043
		5.7	2.37	3.03	4.78	-.27	-.02	.06	.20	.19		.05	.05	.017
		11.4	2.37	1.37	13.53	.01	-.02	.06	.20	.45		.01	.01	.026
		17.1	2.37	-.28	2.79	.30	-.02	.06	.20	.09		.05	.05	.013
		22.8	2.37	-1.94	-27.45	.58	-.02	.06	.20	.92		.10	.10	.046
804- 806	148- 1	0.0	-14.50	-6.74	-53.83	-.92	.17	5.22	-.68	-.79		.13	.13	.092
		5.7	-14.51	3.03	-1.98	-.60	.17	5.22	-.68	-.05		.10	.10	.051
		11.4	-14.53	13.84	28.03	-.28	.15	5.22	-.69	-.45		.07	.07	.068
		17.1	-14.55	22.69	34.99	.02	.11	5.22	-.69	-.63		.05	.05	.075
		22.8	-14.58	28.62	25.75	.31	.06	5.22	-.69	-.56		.07	.07	.073
805- 806	148- 1	0.0	8.93	-15.60	-35.83	-.35	.14	-3.12	.42	.57		.06	.06	.043
		5.7	8.93	-5.99	-11.71	-.35	.20	-3.12	.42	.18		.06	.06	.027
		11.4	8.93	11.51	12.40	-.35	.26	-3.12	.42	.24		.06	.06	.030
		17.1	8.93	30.58	36.51	-.35	.30	-3.12	.42	.69		.07	.07	.048
		22.8	8.93	51.61	60.62	-.35	.31	-3.12	.42	1.15		.07	.07	.068
806- 901	200- 1	0.0	50.07	141.23	187.66	2.05	-.86	9.55	1.32	1.31		.14	.14	.116
		14.9	50.05	17.69	-78.90	.94	-.52	9.55	1.32	.45		.08	.08	.080
		29.8	50.06	-42.35	-156.10	-.06	-.15	9.55	1.32	.91		.04	.04	.099
		44.7	50.06	-38.60	-67.31	-.92	.19	9.55	1.32	.43		.08	.08	.079
		59.6	50.05	27.01	170.50	-1.74	.54	9.55	1.32	.96		.12	.12	.102
806- 906	JL6- 1	0.0	137.04	133.55	-3.35	-2.27	2.39	153.03	1.94	.17		.19	.19	.097
		8.1	137.02	272.66	159.98	-1.11	.51	153.03	1.94	.40		.13	.13	.107
		16.2	136.99	258.26	216.75	-.08	-1.20	153.03	1.94	.41		.13	.13	.107
		24.3	136.97	44.07	178.80	.84	-2.77	153.03	1.94	.23		.18	.18	.100
		32.4	136.98	-297.94	55.77	1.68	-4.23	153.03	1.94	.39		.23	.23	.106
810- 910	P2- 1	0.0	5.36	-48.20	-881.01	-2.46	-.64	-24.93	.02	.37		.03	.03	.016
		8.1	5.36	-110.35	-641.29	-2.46	-.64	-24.93	.02	.27		.03	.03	.012
		16.2	5.36	-172.50	-401.56	-2.46	-.64	-24.93	.02	.18		.03	.03	.009
		24.3	5.36	-234.65	-161.83	-2.46	-.64	-24.93	.02	.12		.03	.03	.006
		32.4	5.36	-296.80	77.89	-2.46	-.64	-24.93	.02	.13		.03	.03	.006
811- 911	P2- 1	0.0	269.94	-940.99	290.31	1.92	4.21	64.33	-1.07	.41		.05	.05	.067
		8.1	269.94	-531.54	103.06	1.92	4.21	64.33	1.07	.23		.05	.05	.059
		16.2	269.94	-122.10	-84.18	1.92	4.21	64.33	1.07	.06		.05	.05	.052
		24.3	269.94	287.35	-271.43	1.92	4.21	64.33	1.07	.16		.05	.05	.057
		32.4	269.94	696.80	-458.68	1.92	4.21	64.33	1.07	.35		.05	.05	.064

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5

U.S. NAVY - ACHR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
M12- 912	M2- 1	0.0	-279.33	977.93	520.51	.15	-3.69	85.46	-1.11	-.46		.05	.05	.075
		8.1	-279.33	819.00	506.33	.15	-3.69	85.46	-1.11	-.33		.05	.05	.069
		16.2	-279.33	260.08	492.15	.15	-3.69	85.46	-1.11	-.23		.05	.05	.065
		24.3	-279.33	-96.85	477.97	.15	-3.69	85.46	-1.11	-.20		.05	.05	.064
		32.4	-279.33	-457.79	463.78	.15	-3.69	85.46	-1.11	-.27		.05	.05	.067
901- 902	169- 1	0.0	-9.16	46.35	62.21	-.14	-.24	-4.90	-.38	-.85		.05	.05	.064
		6.9	-9.16	26.58	62.68	.13	-.23	-4.90	-.38	-.74		.05	.05	.059
		13.7	-9.16	8.22	40.59	.41	-.21	-4.90	-.38	-.45		.06	.06	.047
		20.6	-9.16	-7.32	-4.06	.68	-.17	-4.90	-.38	-.09		.08	.08	.032
		27.4	-9.16	-18.03	-71.26	.95	-.11	-4.90	-.38	-.81		.11	.11	.062
901- 904	169- 1	0.0	-23.11	-13.39	65.48	-.05	.02	-7.14	-.95	-.73		.04	.04	.101
		6.9	-23.12	-12.12	54.75	.19	.02	-7.14	-.95	-.67		.05	.05	.099
		13.7	-23.14	-10.85	33.74	.44	.02	-7.14	-.95	-.39		.08	.08	.087
		20.6	-23.15	-9.59	-12.55	.69	.02	-7.14	-.95	-.17		.10	.10	.076
		27.4	-23.17	-8.32	-79.13	.93	.02	-7.14	-.95	-.87		.12	.12	.107
901-1001	JL9- 1	0.0	.42	-81.37	59.91	2.54	.09	-79.52	.01	.12		.12	.12	.035
		8.1	.44	-66.35	-139.20	1.16	.17	-79.52	.01	.20		.08	.08	.039
		16.2	.45	-47.78	-190.18	-.10	.24	-79.52	.01	.25		.06	.06	.011
		24.3	.46	-21.65	-121.25	-1.31	.28	-79.52	.01	.16		.09	.09	.007
		32.4	.46	6.57	62.37	-2.46	.29	-79.52	.01	.08		.12	.12	.004
901-1002	180- 1	0.0	37.59	45.27	-19.15	-.67	-.48	-8.00	1.37	.42		.09	.09	.091
		10.6	37.60	3.10	40.45	-.27	-.21	-8.00	1.37	.35		.06	.06	.076
		21.1	37.61	-10.97	48.98	.12	-.02	-8.00	1.37	.43		.04	.04	.081
		31.7	37.62	-2.69	12.21	.45	.15	-8.00	1.37	.11		.07	.07	.048
		42.2	37.63	27.59	-63.72	.75	.32	-8.00	1.37	.59		.09	.09	.088
901-1004	180- 1	0.0	-40.90	-29.63	-38.38	-.79	.35	-5.82	-1.49	-.42		.09	.09	.106
		10.6	-40.92	2.57	35.43	-.57	.16	-5.82	-1.49	-.30		.05	.05	.101
		21.1	-40.95	11.16	56.12	.05	-.03	-5.82	-1.49	-.49		.03	.03	.109
		31.7	-40.97	-4.07	23.75	.46	-.21	-5.82	-1.49	-.21		.06	.06	.097
		42.2	-40.97	-41.68	-56.69	.79	-.38	-5.82	-1.49	-.60		.09	.09	.114
902- 903	169- 1	0.0	-7.53	-16.12	-43.45	-.67	-.07	3.39	-.31	-.51		.07	.07	.044
		6.9	-7.53	-16.93	.81	-.41	-.00	3.39	-.31	-.21		.05	.05	.032
		13.7	-7.53	-16.11	23.93	-.16	.07	3.39	-.31	-.32		.03	.03	.036
		20.6	-7.53	-7.64	27.31	.07	.14	3.39	-.31	-.31		.03	.03	.036
		27.4	-7.53	6.47	12.37	.29	.21	3.39	-.31	-.15		.05	.05	.029
902- 904	109- 1	0.0	.19	-2.28	-2.44	-.01	-.06	1.87	.02	.11		.04	.04	.005
		6.9	.19	-4.50	-1.81	-.01	.00	1.87	.02	.16		.03	.03	.008
		13.7	.19	-2.49	-1.17	-.01	.04	1.87	.02	.09		.04	.04	.005
		20.6	.19	2.33	-.54	-.01	.07	1.87	.02	.08		.04	.04	.004
		27.4	.19	8.59	.10	-.01	.08	1.87	.02	.29		.04	.04	.013

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5 — DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
902- 905 109- 1		0.0	-2.31	-5.68	-25.36	-.43	.02	-.93	-.19	-.87		.09	.09	.050
		6.9	-2.27	-3.97	1.41	-.22	.02	-.93	-.19	-.14		.05	.05	.019
		13.7	-2.22	-2.26	10.72	-.01	.02	-.93	-.19	-.37		.02	.02	.029
		20.6	-2.18	-.56	2.56	.21	.02	-.93	-.18	-.09		.05	.05	.017
		27.4	-2.14	1.15	-23.05	.42	.02	-.93	-.18	-.77		.09	.09	.045
903- 905 109- 1		0.0	30.40	-10.50	-39.62	-.15	-.15	-1.83	1.25	.45		.03	.03	.077
		6.9	30.40	-19.73	-27.51	-.15	-.08	-1.83	1.25	.37		.02	.02	.073
		13.7	30.40	-23.52	-14.99	-.15	-.01	-1.83	1.25	.30		.02	.02	.071
		20.6	30.40	-21.27	-2.68	-.15	.06	-1.83	1.25	.23		.02	.02	.068
		27.4	30.40	-13.58	9.64	-.15	.13	-1.83	1.25	.18		.03	.03	.065
903-1002 180- 1		0.0	-38.30	-26.00	65.63	.89	.19	4.21	-1.39	-.60		.08	.08	.108
		10.6	-38.31	-5.95	-20.21	.46	.12	4.21	-1.39	-.18		.05	.05	.090
		21.1	-38.27	1.73	-51.53	.03	.00	4.21	-1.39	-.44		.02	.02	.101
		31.7	-38.24	-5.45	-28.36	-.39	-.12	4.21	-1.39	-.25		.05	.05	.093
		42.2	-38.20	-27.79	45.57	-.76	-.24	4.21	-1.39	-.46		.08	.08	.101
903-1003 JL9- 1		0.0	-8.20	189.98	-144.17	-1.15	-1.84	68.84	-.12	-.30		.10	.10	.018
		8.1	-8.22	55.30	-56.53	-.68	-.94	68.84	-.12	-.10		.08	.08	.010
		16.2	-8.24	2.49	-9.38	-.29	-.16	68.84	-.12	-.01		.05	.05	.006
		24.3	-8.22	21.75	1.40	.07	.53	68.84	-.12	-.03		.06	.06	.007
		32.4	-8.21	101.47	-21.17	.39	1.08	68.84	-.12	-.13		.08	.08	.011
903-1005 180- 1		0.0	-68.70	-71.89	-43.56	-.19	.55	8.21	-2.50	-.72		.08	.08	.178
		10.6	-68.68	-14.80	-22.08	-.14	.35	8.21	-2.50	-.23		.06	.06	.158
		21.1	-68.65	13.58	-7.23	-.10	.09	8.21	-2.50	-.13		.04	.04	.153
		31.7	-68.61	6.51	3.73	-.08	-.21	8.21	-2.50	-.06		.05	.05	.150
		42.2	-68.60	-40.33	13.39	-.07	-.53	8.21	-2.50	-.36		.07	.07	.163
904- 905 109- 1		0.0	1.98	4.92	-19.86	-.40	-.02	-.67	.17	.68		.08	.08	.037
		6.9	1.98	3.25	4.29	-.19	-.02	-.67	.17	.16		.04	.04	.015
		13.7	1.98	1.58	11.52	.01	-.02	-.67	.17	.39		.02	.02	.024
		20.6	1.98	-.09	1.84	.22	-.02	-.67	.17	.06		.05	.05	.010
		27.4	1.98	-1.76	-24.76	.43	-.02	-.67	.17	.83		.08	.08	.043
904- 906 109- 1		0.0	-24.42	-7.54	-59.17	-.76	.11	5.81	-1.00	-.65		.09	.09	.102
		6.9	-24.43	1.67	-7.00	-.51	.11	5.81	-1.00	-.08		.07	.07	.078
		13.7	-24.45	11.28	24.88	-.26	.11	5.81	-1.00	-.30		.06	.06	.087
		20.6	-24.47	20.69	36.47	-.02	.11	5.81	-1.00	-.46		.04	.04	.094
		27.4	-24.48	30.10	27.76	.23	.11	5.81	-1.01	-.45		.05	.05	.093
905- 906 109- 1		0.0	27.61	-13.51	-58.17	-.29	.15	-1.44	1.13	.48		.03	.03	.071
		6.9	27.61	-.39	-13.97	-.29	.19	-1.44	1.13	.15		.04	.04	.059
		13.7	27.61	16.97	10.23	-.29	.23	-1.44	1.13	.22		.04	.04	.062
		20.6	27.61	31.14	34.43	-.29	.26	-1.44	1.13	.55		.04	.04	.076
		27.4	27.61	58.72	58.63	-.29	.27	-1.44	1.13	.91		.04	.04	.091

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5 DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	CUMB. UNITY CHECK
904-1004	180- 1	0.0	41.32	82.53	55.65	.89	-.35	.09	1.50	.60		.07	.07	.095
		10.6	41.32	9.57	-25.75	.41	-.18	.09	1.50	.23		.03	.03	.079
		21.1	41.30	-5.48	-49.36	-.02	-.05	.09	1.50	.42		.00	.00	.087
		31.7	41.30	-1.49	-22.43	-.39	.11	.09	1.50	.19		.03	.03	.078
		42.2	41.31	23.90	49.95	-.75	.29	.09	1.50	.47		.06	.06	.089
906-1005	180- 1	0.0	68.87	52.57	-38.53	-.16	-.59	3.34	2.51	.56		.06	.06	.139
		10.6	68.86	-2.51	-20.41	-.12	-.28	3.34	2.51	.18		.04	.04	.125
		21.1	68.86	-17.75	-6.96	-.09	.04	3.34	2.50	.16		.02	.02	.123
		31.7	68.85	6.82	1.81	-.05	.35	3.34	2.50	.06		.04	.04	.118
		42.2	68.84	71.20	5.91	-.01	.67	3.34	2.50	.61		.06	.06	.142
906-1006	JL9- 1	0.0	7.81	-117.55	127.66	-1.13	2.57	47.58	.11	.22		.11	.11	.014
		8.1	7.81	65.82	198.44	-.34	1.21	47.58	.11	.27		.07	.07	.016
		16.2	7.79	121.57	194.23	.41	-.06	47.58	.11	.29		.04	.04	.017
		24.3	7.75	56.77	118.98	1.12	-1.26	47.58	.11	.17		.08	.08	.012
		32.4	7.72	-123.55	-23.37	1.79	-2.43	47.58	.11	.16		.12	.12	.012
1010- 910	P3- 1	0.0	5.35	262.24	2131.03	5.67	-1.44	-24.90	.02	.89		.05	.05	.039
		8.1	5.35	122.50	1578.73	5.67	-1.44	-24.90	.02	.66		.05	.05	.029
		16.2	5.35	-17.25	1026.43	5.67	-1.44	-24.90	.02	.43		.05	.05	.019
		24.3	5.35	-156.99	474.14	5.67	-1.44	-24.90	.02	.21		.05	.05	.010
		32.4	5.35	-296.73	-78.16	5.67	-1.44	-24.90	.02	.13		.05	.05	.006
1011- 911	P3- 1	0.0	269.95	-2058.32	-1159.91	-4.16	7.08	64.56	1.07	.98		.08	.08	.091
		8.1	269.95	-1369.44	-755.43	-4.16	7.08	64.56	1.07	.65		.08	.08	.077
		16.2	269.95	-680.56	-350.95	-4.16	7.08	64.56	1.07	.32		.08	.08	.063
		24.3	269.95	8.33	53.53	-4.16	7.08	64.56	1.07	.02		.08	.08	.051
		32.4	269.95	697.21	458.02	-4.16	7.08	64.56	1.07	.35		.08	.08	.064
1012- 912	P3- 1	0.0	-279.35	1866.14	-473.45	-.02	-5.97	85.46	-1.11	-.80		.07	.07	.089
		8.1	-279.35	1285.16	-471.03	-.02	-5.97	85.46	-1.11	-.57		.07	.07	.079
		16.2	-279.35	704.18	-468.61	-.02	-5.97	85.46	-1.11	-.35		.07	.07	.070
		24.3	-279.35	123.20	-466.20	-.02	-5.97	85.46	-1.11	-.20		.07	.07	.064
		32.4	-279.35	-457.78	-463.78	-.02	-5.97	85.46	-1.11	-.27		.07	.07	.067
1001-1002	200- 1	0.0	-51.16	66.77	46.93	-.27	-.28	2.48	-1.34	-.46		.03	.03	.114
		8.0	-51.16	40.27	60.86	-.02	-.28	2.48	-1.34	-.41		.02	.02	.112
		16.0	-51.16	13.76	51.69	.22	-.28	2.48	-1.34	-.30		.03	.03	.107
		24.0	-51.16	-12.74	19.43	.46	-.28	2.48	-1.34	-.15		.03	.03	.100
		32.0	-51.16	-39.25	-35.93	.70	-.28	2.48	-1.34	-.30		.05	.05	.107
1001-1004	200- 1	0.0	48.34	-68.37	41.77	-.35	.24	12.30	1.27	.45		.06	.06	.078
		8.0	48.33	-45.62	61.51	-.06	.24	12.30	1.27	.43		.05	.05	.077
		16.0	48.31	-22.87	55.54	.23	.24	12.30	1.27	.33		.05	.05	.072
		24.0	48.29	-.12	17.86	.52	.24	12.30	1.27	.10		.06	.06	.063
		32.0	48.27	22.63	-45.52	.80	.24	12.30	1.27	.28		.08	.08	.071

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 5 DATE 10/05/76

U.S. NAVY - ACHR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
1002-1003	200- 1	0.0	.61	13.80	-22.62	-.55	-.14	-19.56	.02	.15		.08	.08	.007
		8.0	.61	.61	19.12	-.31	-.14	-19.56	.02	.11		.07	.07	.005
		16.0	.61	-12.57	37.77	-.07	-.14	-19.56	.02	.22		.06	.06	.010
		24.0	.61	-25.76	53.32	.17	-.14	-19.56	.02	.24		.07	.07	.011
		32.0	.61	-38.94	5.76	.41	-.14	-19.56	.02	.22		.08	.04	.010
1002-1004	140- 1	0.0	.12	-40.75	-.54	-.00	.22	6.84	.01	.77		.09	.09	.033
		8.0	.12	-19.74	-.40	-.00	.22	6.84	.01	.37		.09	.09	.016
		16.0	.12	1.27	-.26	-.00	.22	6.84	.01	.02		.09	.09	.001
		24.0	.12	22.28	-.11	-.00	.22	6.84	.01	.42		.09	.09	.018
		32.0	.12	43.29	.05	-.00	.22	6.84	.01	.81		.09	.09	.035
1002-1005	140- 1	0.0	-3.47	-32.66	-21.74	-.35	.15	-2.53	-.22	-.74		.07	.07	.044
		8.0	-3.46	-20.20	3.43	-.17	.13	-2.53	-.22	-.38		.05	.05	.029
		16.0	-3.45	-7.72	11.42	.01	.13	-2.53	-.21	-.26		.04	.04	.023
		24.0	-3.44	4.76	2.22	.19	.13	-2.53	-.21	-.10		.05	.05	.017
		32.0	-3.43	17.25	-24.17	.36	.13	-2.53	-.21	-.56		.07	.07	.036
1003-1005	200- 1	0.0	52.55	-96.52	-65.81	-.22	.41	1.08	1.38	.65		.03	.03	.091
		8.0	52.55	-56.63	-44.09	-.22	.41	1.08	1.38	.40		.03	.03	.081
		16.0	52.55	-16.74	-22.57	-.22	.41	1.08	1.38	.16		.03	.03	.071
		24.0	52.55	23.15	-1.05	-.22	.41	1.08	1.38	.13		.03	.03	.069
		32.0	52.55	63.05	20.47	-.22	.41	1.08	1.38	.37		.03	.03	.080
1004-1005	140- 1	0.0	3.46	24.48	-14.29	-.51	-.09	-4.07	.22	.57		.08	.08	.034
		8.0	3.46	15.70	3.60	-.15	-.09	-4.07	.22	.30		.06	.06	.023
		16.0	3.46	6.91	10.48	.01	-.09	-4.07	.22	.24		.05	.05	.020
		24.0	3.46	-1.87	1.77	.17	-.09	-4.07	.22	.05		.06	.06	.012
		32.0	3.46	-10.65	-22.35	.33	-.09	-4.07	.22	.46		.08	.08	.030
1004-1006	200- 1	0.0	-7.59	-34.77	-27.27	-.63	.23	-9.55	-.20	-.25		.06	.06	.024
		8.0	-7.61	-12.71	19.11	-.34	.23	-9.55	-.20	-.13		.05	.05	.019
		16.0	-7.62	9.36	57.78	-.05	.23	-9.55	-.20	-.22		.04	.04	.023
		24.0	-7.64	31.42	28.75	.24	.23	-9.55	-.20	-.24		.04	.04	.024
		32.0	-7.66	53.49	-7.99	.53	.23	-9.55	-.20	-.30		.06	.06	.027
1005-1006	200- 1	0.0	-41.63	-37.58	-22.21	-.21	.36	1.95	-1.09	-.24		.03	.03	.087
		8.0	-41.63	-2.76	-1.96	-.21	.36	1.95	-1.09	-.02		.03	.03	.078
		16.0	-41.63	32.05	18.28	-.21	.36	1.95	-1.09	-.21		.03	.03	.086
		24.0	-41.63	66.86	38.53	-.21	.36	1.95	-1.09	-.43		.03	.03	.095
		32.0	-41.63	101.67	54.78	-.21	.36	1.95	-1.09	-.66		.03	.03	.105

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
101- 102 W16- 1		0.0	.01	-.08	-.58	-.00	.00	.00	.00	-.00	-.05	.00	.00	.003
		3.6	.01	-.05	-.37	-.00	.00	.00	.00	-.00	-.03	.00	.00	.002
		7.3	.01	-.02	-.17	-.00	.00	.00	.00	-.00	-.02	.00	.00	.001
		10.9	.01	.00	.04	-.00	.00	.00	.00	.00	.00	.00	.00	.000
		14.5	.01	.03	.24	-.00	.00	.00	.00	.00	.02	.00	.00	.001
101- 104 W16- 1		0.0	.00	-.06	-.59	-.00	.00	-.00	.00	-.00	-.05	.00	.00	.003
		3.6	.00	-.04	-.37	-.00	.00	-.00	.00	-.00	-.03	.00	.00	.002
		7.2	.00	-.03	-.16	-.00	.00	-.00	.00	-.00	-.02	.00	.00	.001
		10.9	.00	-.01	.05	-.00	.00	-.00	.00	-.00	.00	.00	.00	.000
		14.5	.00	.00	.27	-.00	.00	-.00	.00	.00	.02	.00	.00	.001
101- 201 DKL- 1		0.0	.00	.05	-.11	-.01	-.01	-1.17	.00	.00		.00	.00	.000
		3.8	.00	-.43	.32	-.01	-.01	-1.17	.00	.00		.00	.00	.000
		7.5	.00	-.90	.74	-.01	-.01	-1.17	.00	.00		.00	.00	.000
		11.3	.00	-1.38	1.16	-.01	-.01	-1.17	.00	.00		.00	.00	.000
		15.0	.00	-1.86	1.59	-.01	-.01	-1.17	.00	.00		.00	.00	.000
102- 103 W16- 1		0.0	.01	.03	.22	.00	.00	-.00	.00	.00	.02	.00	.00	.001
		3.6	.01	.05	.07	.00	.00	-.00	.00	.00	.01	.00	.00	.000
		7.3	.01	.08	-.07	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		10.9	.01	.11	-.21	.00	.00	-.00	.00	.00	-.02	.00	.00	.001
		14.5	.01	.13	-.35	.00	.00	-.00	.00	.00	-.03	.00	.00	.002
102- 104 W08- 1		0.0	-.00	-.00	.03	.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
		3.6	-.00	-.00	.02	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		7.2	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.00	-.01	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.01	-.03	.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
102- 105 W08- 1		0.0	.01	.00	-.01	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		3.6	.01	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.01	.00	.02	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		10.9	.01	.00	.04	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
		14.5	.01	.00	.05	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
103- 105 W16- 1		0.0	-.01	.16	.25	.00	-.00	.00	-.00	.00	.02	.00	.00	.001
		3.6	-.01	.12	.18	.00	-.00	.00	-.00	.00	.02	.00	.00	.001
		7.2	-.01	.07	.11	.00	-.00	.00	-.00	.00	.01	.00	.00	.001
		10.9	-.01	.03	.05	.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		14.5	-.01	-.02	-.02	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
103- 203 DKL- 1		0.0	-.00	-.14	-.22	.00	.00	.60	-.00	-.00		.00	.00	.000
		3.8	-.00	-.07	-.28	.00	.00	.60	-.00	-.00		.00	.00	.000
		7.5	-.00	.01	-.35	.00	.00	.60	-.00	-.00		.00	.00	.000
		11.3	-.00	.08	-.41	.00	.00	.60	-.00	-.00		.00	.00	.000
		15.0	-.00	.15	-.48	.00	.00	.60	-.00	-.00		.00	.00	.000

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
104- 105 W08- 1		0.0	-.01	.01	-.02	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.01	.00	.00	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		7.3	-.01	.00	.02	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.01	-.00	.04	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
		14.5	-.01	-.00	.06	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
104- 106 W16- 1		0.0	.01	-.00	.25	.00	.00	-.00	.00	-.00	.02	.00	.00	.001
		3.6	.01	.01	.08	.00	.00	-.00	.00	.00	.01	.00	.00	.000
		7.3	.01	.03	-.10	.00	.00	-.00	.00	.00	-.01	.00	.00	.000
		10.9	.01	.05	-.28	.00	.00	-.00	.00	.00	-.03	.00	.00	.001
		14.5	.01	.06	-.46	.00	.00	-.00	.00	.00	-.04	.00	.00	.002
105- 106 W16- 1		0.0	.00	-.01	.08	.00	-.00	-.00	.00	-.00	.01	.00	.00	.000
		3.6	.00	-.06	-.03	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.00	-.10	-.14	.00	-.00	-.00	.00	-.00	-.01	.00	.00	.001
		10.9	.00	-.15	-.26	.00	-.00	-.00	.00	-.00	-.02	.00	.00	.001
		14.5	.00	-.20	-.37	.00	-.00	-.00	.00	-.00	-.03	.00	.00	.002
106- 206 DKL- 1		0.0	.01	-.22	-.28	-.00	-.00	1.38	.00	.00		.00	.00	.000
		3.8	.01	-.35	-.19	-.00	-.00	1.38	.00	.00		.00	.00	.000
		7.5	.01	-.45	-.11	-.00	-.00	1.38	.00	.00		.00	.00	.000
		11.3	.01	-.56	-.02	-.00	-.00	1.38	.00	.00		.00	.00	.000
		15.0	.01	-.67	.06	-.00	-.00	1.38	.00	.00		.00	.00	.000
201- 202 W16- 1		0.0	-.15	.02	-.61	-.01	.00	.00	-.01	.00	-.06	.00	.00	.003
		3.6	-.15	.03	-.39	-.01	.00	.00	-.01	.00	-.04	.00	.00	.002
		7.3	-.15	.05	-.17	-.01	.00	.00	-.01	.00	-.02	.00	.00	.001
		10.9	-.15	.06	.04	-.01	.00	.00	-.01	.00	.00	.00	.00	.001
		14.5	-.15	.08	.26	-.01	.00	.00	-.01	.00	.02	.00	.00	.002
201- 204 W16- 1		0.0	-.04	.17	-.63	-.01	-.00	-.00	-.00	.00	-.06	.00	.00	.003
		3.6	-.04	.14	-.40	-.01	-.00	-.00	-.00	.00	-.04	.00	.00	.002
		7.2	-.04	.10	-.17	-.01	-.00	-.00	-.00	.00	-.02	.00	.00	.001
		10.9	-.04	.07	.06	-.01	-.00	-.00	-.00	.00	.01	.00	.00	.000
		14.5	-.04	.04	.29	-.01	-.00	-.00	-.00	.00	.03	.00	.00	.001
201- 301 DKL- 1		0.0	-.04	-1.76	1.73	.12	.03	-5.39	-.00	-.00		.01	.01	.000
		3.8	-.04	-.62	-3.73	.12	.03	-5.39	-.00	-.01		.01	.01	.000
		7.5	-.04	.52	-9.19	.12	.03	-5.39	-.00	-.01		.01	.01	.001
		11.3	-.04	1.66	-14.65	.12	.03	-5.39	-.00	-.02		.01	.01	.001
		15.0	-.04	2.79	-20.11	.12	.03	-5.39	-.00	-.03		.01	.01	.001
201- 303 12D- 1		0.0	.06	.28	-1.52	-.00	-.00	.27	.00	.03		.00	.00	.001
		8.2	.06	.09	-1.25	-.00	-.00	.27	.00	.02		.00	.00	.001
		16.3	.06	-.11	-.99	-.00	-.00	.27	.00	.02		.00	.00	.001
		24.5	.06	-.31	-.72	-.00	-.00	.27	.00	.01		.00	.00	.001
		32.6	.06	-.51	-.45	-.00	-.00	.27	.00	.01		.00	.00	.001

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
202- 203 W16- 1		0.0	-.16	.07	.23	.00	.00	-.00	-.01	.00	.02	.00	.00	.002
		3.6	-.16	.09	.08	.00	.00	-.00	-.01	.00	.01	.00	.00	.001
		7.3	-.16	.10	-.07	.00	.00	-.00	-.01	.00	-.01	.00	.00	.001
		10.9	-.16	.12	-.22	.00	.00	-.00	-.01	.00	-.02	.00	.00	.002
		14.5	-.16	.13	-.37	.00	.00	-.00	-.01	.00	-.03	.00	.00	.002
202- 204 W08- 1		0.0	-.00	-.00	.04	.00	-.00	-.00	-.00	-.00	.01	.00	.00	.000
		3.6	-.00	-.00	.02	.00	-.00	-.00	-.00	-.00	.00	.00	.00	.000
		7.2	-.00	-.00	.00	.00	-.00	-.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.00	-.02	.00	-.00	-.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.03	.00	-.00	-.00	-.00	-.00	-.01	.00	.00	.000
202- 205 W08- 1		0.0	.01	.00	-.01	-.00	-.00	-.00	.00	.00	-.00	.00	.00	.000
		3.6	.01	.00	.01	-.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.01	.00	.02	-.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		10.9	.01	.00	.04	-.00	-.00	-.00	.00	.00	.01	.00	.00	.000
		14.5	.01	.00	.05	-.00	-.00	-.00	.00	.00	.01	.00	.00	.001
203- 205 W16- 1		0.0	.07	.25	.27	.00	-.00	.00	.00	.00	.03	.00	.00	.001
		3.6	.07	.17	.20	.00	-.00	.00	.00	.00	.02	.00	.00	.001
		7.2	.07	.10	.12	.00	-.00	.00	.00	.00	.01	.00	.00	.001
		10.9	.07	.04	.04	.00	-.00	.00	.00	.00	.00	.00	.00	.000
		14.5	.07	-.03	-.04	.00	-.00	.00	.00	-.00	-.00	.00	.00	.000
203- 303 DRL- 1		0.0	-.03	.56	-1.41	-.11	-.11	3.08	-.00	-.00		.01	.01	.000
		3.8	-.03	-4.25	3.32	-.11	-.11	3.08	-.00	-.01		.01	.01	.000
		7.5	-.03	-9.05	8.25	-.11	-.11	3.08	-.00	-.02		.01	.01	.001
		11.3	-.03	-13.86	13.17	-.11	-.11	3.08	-.00	-.03		.01	.01	.001
		15.0	-.03	-18.66	18.10	-.11	-.11	3.08	-.00	-.04		.01	.01	.002
203- 306 120- 1		0.0	.05	-.04	2.12	.01	.00	.10	.00	.04		.00	.00	.002
		8.2	.05	-.00	.98	.01	.00	.10	.00	.02		.00	.00	.001
		16.3	.05	.07	-.15	.01	.00	.10	.00	.00		.00	.00	.000
		24.5	.05	.15	-1.29	.01	.00	.10	.00	.02		.00	.00	.001
		32.6	.05	.23	-2.43	.01	.00	.10	.00	.04		.00	.00	.002
204- 205 W08- 1		0.0	-.01	.00	-.01	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.01	.00	.00	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		7.3	-.01	.00	.02	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.01	-.00	.04	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
		14.5	-.01	-.00	.06	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
204- 206 W16- 1		0.0	-.04	.03	.27	.00	-.00	-.00	-.00	.00	.02	.00	.00	.001
		3.6	-.04	.00	.08	.00	-.00	-.00	-.00	.00	.01	.00	.00	.000
		7.3	-.04	-.03	-.11	.00	-.00	-.00	-.00	-.00	-.01	.00	.00	.001
		10.9	-.04	-.06	-.29	.00	-.00	-.00	-.00	-.00	-.03	.00	.00	.001
		14.5	-.04	-.09	-.48	.00	-.00	-.00	-.00	-.00	-.04	.00	.00	.002

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FY KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING Y	BENDING Z STRESS KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
205- 206	=10- 1	0.0	.08	-.02	.08	.00	-.00	-.00	.00	-.00	.01	.00	.00	.001
		3.6	.08	-.09	-.04	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.08	-.16	-.15	.00	-.00	-.00	.00	-.00	-.01	.00	.00	.001
		10.9	.08	-.22	-.27	.00	-.00	-.00	.00	-.00	-.03	.00	.00	.001
		14.5	.08	-.29	-.38	.00	-.00	-.00	.00	-.00	-.04	.00	.00	.002
205- 301	120- 1	0.0	.01	.15	.21	-.00	-.00	-.37	.00	.00		.00	.00	.000
		6.2	.01	.03	.67	-.00	-.00	-.37	.00	.01		.00	.00	.001
		16.3	.01	-.07	1.13	-.00	-.00	-.37	.00	.02		.00	.00	.001
		24.5	.01	-.18	1.59	-.00	-.00	-.37	.00	.03		.00	.00	.001
		32.6	.01	-.28	2.05	-.00	-.00	-.37	.00	.04		.00	.00	.002
206- 306	DRL- 1	0.0	.00	-1.01	-.31	-.05	.05	2.60	.00	.00		.00	.00	.000
		3.8	.00	1.03	2.00	-.05	.05	2.60	.00	.00		.00	.00	.000
		7.5	.00	3.07	4.30	-.05	.05	2.60	.00	.01		.00	.00	.000
		11.3	.00	5.11	6.60	-.05	.05	2.60	.00	.01		.00	.00	.001
		15.0	.00	7.15	8.91	-.05	.05	2.60	.00	.02		.00	.00	.001
301- 303	123- 1	0.0	.48	-.39	-2.62	-.01	.00	-.14	.02	.05		.00	.00	.003
		7.3	.48	-.35	-1.96	-.01	.00	-.14	.02	.04		.00	.00	.003
		14.5	.48	-.31	-1.29	-.01	.00	-.14	.02	.02		.00	.00	.002
		21.7	.48	-.27	-.63	-.01	.00	-.14	.02	.01		.00	.00	.002
		29.0	.48	-.23	.03	-.01	.00	-.14	.02	.00		.00	.00	.001
301- 306	123- 1	0.0	.03	-.34	-2.13	-.00	.00	.18	.00	.04		.00	.00	.002
		7.2	.03	-.20	-1.78	-.00	.00	.18	.00	.03		.00	.00	.001
		14.5	.03	-.07	-1.44	-.00	.00	.18	.00	.03		.00	.00	.001
		21.7	.03	.06	-1.09	-.00	.00	.18	.00	.02		.00	.00	.001
		29.0	.03	.19	-.74	-.00	.00	.18	.00	.01		.00	.00	.001
301- 401	DRL- 1	0.0	.11	3.60	-23.01	-.24	-.02	-13.85	.00	.04		.02	.02	.002
		7.1	.11	1.79	-2.75	-.24	-.02	-13.85	.00	.01		.02	.02	.000
		14.2	.11	-.22	17.51	-.24	-.02	-13.85	.00	.03		.02	.02	.001
		21.4	.11	-2.24	37.77	-.24	-.02	-13.85	.00	.06		.02	.02	.003
		28.5	.11	-4.25	58.03	-.24	-.02	-13.85	.00	.09		.02	.02	.004
303- 306	123- 1	0.0	-.30	.21	2.82	.02	-.00	-.14	-.02	-.05		.00	.00	.003
		7.2	-.30	.18	1.34	.02	-.00	-.14	-.02	-.02		.00	.00	.002
		14.5	-.30	.15	-.14	.02	-.00	-.14	-.02	-.00		.00	.00	.001
		21.7	-.30	.13	-1.62	.02	-.00	-.14	-.02	-.03		.00	.00	.002
		29.0	-.30	.10	-3.10	.02	-.00	-.14	-.02	-.05		.00	.00	.003
303- 403	DRL- 1	0.0	.00	-19.01	18.86	.25	.16	6.39	.00	.04		.01	.01	.002
		7.1	.00	-5.52	-2.83	.25	.16	6.39	.00	.01		.01	.01	.000
		14.2	.00	7.97	-24.52	.25	.16	6.39	.00	.04		.01	.01	.002
		21.4	.00	21.46	-46.21	.25	.16	6.39	.00	.08		.01	.01	.003
		28.5	.00	34.95	-67.90	.25	.16	6.39	.00	.12		.01	.01	.005

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
306- 406 DKL- 1		0.0	.03	8.27	8.11	.11	-.14	8.65	.00	.02		.01	.01	.001
		7.1	.03	-3.56	-1.47	.11	-.14	8.65	.00	.01		.01	.01	.000
		14.2	.03	-15.38	-11.04	.11	-.14	8.65	.00	.03		.01	.01	.001
		21.4	.03	-27.20	-20.62	.11	-.14	8.65	.00	.05		.01	.01	.002
		28.5	.03	-39.02	-30.19	.11	-.14	8.65	.00	.08		.01	.01	.003
401- 501 JL4- 1		0.0	6.82	23.91	11.03	.85	.89	-35.24	.03	.01		.02	.02	.002
		1.1	6.82	36.02	-.57	.85	.89	-35.24	.03	.01		.02	.02	.002
		2.3	6.82	48.14	-12.17	.85	.89	-35.24	.03	.02		.02	.02	.002
		3.4	6.82	60.25	-23.77	.85	.89	-35.24	.03	.02		.02	.02	.002
		4.6	6.82	72.37	-35.36	.85	.89	-35.24	.03	.03		.02	.02	.002
401- 510 P1- 1		0.0	-6.68	29.34	-34.00	-.75	-.69	17.36	-.03	-.02		.01	.01	.002
		1.1	-6.68	18.84	-23.74	-.75	-.69	17.36	-.03	-.01		.01	.01	.002
		2.3	-6.68	9.35	-13.48	-.75	-.69	17.36	-.03	-.01		.01	.01	.002
		3.4	-6.68	-.14	-3.22	-.75	-.69	17.36	-.03	-.00		.01	.01	.001
		4.6	-6.68	-9.63	7.04	-.75	-.69	17.36	-.03	-.01		.01	.01	.002
403- 503 JL4- 1		0.0	97.94	63.79	18.25	-.62	.73	35.96	.39	.02		.01	.01	.019
		1.1	97.94	73.74	22.70	-.62	.73	35.96	.39	.03		.01	.01	.019
		2.3	97.94	83.77	31.15	-.62	.73	35.96	.39	.03		.01	.01	.019
		3.4	97.94	93.76	39.60	-.62	.73	35.96	.39	.04		.01	.01	.019
		4.6	97.94	103.75	48.05	-.62	.73	35.96	.39	.04		.01	.01	.020
403- 511 P1- 1		0.0	-98.07	-21.08	49.93	.41	-.72	-18.45	-.44	-.03		.01	.01	.022
		1.1	-98.07	-30.92	44.25	.41	-.72	-18.45	-.44	-.03		.01	.01	.022
		2.3	-98.07	-40.76	38.56	.41	-.72	-18.45	-.44	-.03		.01	.01	.022
		3.4	-98.07	-50.60	32.88	.41	-.72	-18.45	-.44	-.03		.01	.01	.022
		4.6	-98.07	-60.44	27.19	.41	-.72	-18.45	-.44	-.03		.01	.01	.022
406- 506 JL4- 1		0.0	-88.71	-34.97	-21.54	-.86	.96	23.16	-.55	-.01		.01	.01	.017
		1.1	-88.71	-21.85	-9.80	-.86	.96	23.16	-.55	-.01		.01	.01	.017
		2.3	-88.71	-8.74	1.95	-.86	.96	23.16	-.55	-.00		.01	.01	.016
		3.4	-88.71	4.37	13.69	-.86	.96	23.16	-.55	-.01		.01	.01	.016
		4.6	-88.71	17.48	25.43	-.86	.96	23.16	-.55	-.01		.01	.01	.017
406- 512 P1- 1		0.0	88.71	-4.06	-9.67	.97	-1.07	-19.59	.40	.00		.02	.02	.019
		1.1	88.71	-16.69	-22.98	.97	-1.07	-19.59	.40	.01		.02	.02	.019
		2.3	88.71	-33.32	-36.28	.97	-1.07	-19.59	.40	.02		.02	.02	.020
		3.4	88.71	-47.95	-49.59	.97	-1.07	-19.59	.40	.03		.02	.02	.020
		4.6	88.71	-62.58	-62.89	.97	-1.07	-19.59	.40	.04		.02	.02	.020
501- 502 105- 1		0.0	-2.42	2.24	-30.70	-.24	.00	.63	-.08	-.28		.02	.02	.016
		3.8	-2.42	2.39	-19.93	-.24	.00	.63	-.08	-.18		.02	.02	.012
		7.6	-2.42	2.55	-9.17	-.24	.00	.63	-.08	-.09		.02	.02	.008
		11.4	-2.42	2.70	1.59	-.24	.00	.63	-.08	-.03		.02	.02	.006
		15.1	-2.42	2.85	12.35	-.24	.00	.63	-.08	-.11		.02	.02	.009

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LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504 105- 1		0.0	2.49	2.37	-31.77	-.26	-.01	-1.68	.08	.29		.02	.02	.016
		3.8	2.49	1.92	-20.14	-.26	-.01	-1.68	.08	.18		.02	.02	.011
		7.6	2.49	1.47	-8.52	-.26	-.01	-1.68	.08	.08		.02	.02	.007
		11.4	2.49	1.01	3.10	-.26	-.01	-1.68	.08	.03		.02	.02	.005
		15.1	2.49	.56	14.72	-.26	-.01	-1.68	.08	.13		.02	.02	.009
501- 601 JL5- 1		0.0	7.77	87.87	-24.82	-2.12	-1.46	-85.92	.05	.06		.06	.06	.005
		1.5	7.77	61.21	13.89	-2.12	-1.46	-85.92	.05	.04		.06	.06	.004
		3.0	7.77	34.56	52.60	-2.12	-1.46	-85.92	.05	.04		.06	.06	.004
		4.6	7.77	7.90	91.31	-2.12	-1.46	-85.92	.05	.06		.06	.06	.005
		6.1	7.77	-18.75	130.02	-2.12	-1.46	-85.92	.05	.08		.06	.06	.006
501- 622 200- 1		0.0	-2.71	13.78	15.21	.18	-.03	3.25	-.07	-.11		.02	.02	.008
		5.1	-2.71	12.05	4.31	.18	-.03	3.25	-.07	-.07		.02	.02	.007
		10.2	-2.71	10.32	-6.59	.18	-.03	3.25	-.07	-.07		.02	.02	.006
		15.3	-2.71	8.59	-17.49	.18	-.03	3.25	-.07	-.11		.02	.02	.008
		20.4	-2.71	6.86	-28.39	.18	-.03	3.25	-.07	-.16		.02	.02	.010
502- 503 105- 1		0.0	-2.71	2.70	10.57	.14	.01	-.15	-.09	-.10		.01	.01	.009
		3.8	-2.71	3.32	4.43	.14	.01	-.15	-.09	-.05		.01	.01	.007
		7.6	-2.71	3.94	-1.70	.14	.01	-.15	-.09	-.04		.01	.01	.007
		11.4	-2.71	4.56	-7.84	.14	.01	-.15	-.09	-.08		.01	.01	.008
		15.1	-2.71	5.17	-13.97	.14	.01	-.15	-.09	-.13		.01	.01	.011
502- 504 105- 1		0.0	-.07	.45	1.61	.02	-.01	.04	-.01	-.06		.00	.00	.003
		3.8	-.07	.18	.87	.02	-.01	.04	-.01	-.03		.00	.00	.002
		7.6	-.07	-.09	.12	.02	-.01	.04	-.01	-.00		.00	.00	.001
		11.4	-.07	-.36	-.63	.02	-.01	.04	-.01	-.02		.00	.00	.001
		15.2	-.07	-.63	-1.38	.02	-.01	.04	-.01	-.05		.00	.00	.002
502- 505 105- 1		0.0	.49	.57	.17	-.01	-.00	-.15	.04	.02		.00	.00	.003
		3.8	.49	.37	.42	-.01	-.00	-.15	.04	.02		.00	.00	.003
		7.6	.49	.18	.68	-.01	-.00	-.15	.04	.02		.00	.00	.003
		11.4	.49	-.02	.93	-.01	-.00	-.15	.04	.03		.00	.00	.003
		15.2	.49	-.21	1.19	-.01	-.00	-.15	.04	.04		.00	.00	.004
503- 505 105- 1		0.0	-1.88	3.64	10.43	.05	-.02	1.56	-.06	-.10		.01	.01	.008
		3.8	-1.88	2.80	7.95	.05	-.02	1.56	-.06	-.08		.01	.01	.007
		7.6	-1.88	1.75	5.47	.05	-.02	1.56	-.06	-.05		.01	.01	.006
		11.4	-1.88	.65	2.99	.05	-.02	1.56	-.06	-.03		.01	.01	.005
		15.1	-1.88	-.43	.51	.05	-.02	1.56	-.06	-.01		.01	.01	.004
503- 603 JL5- 1		0.0	88.91	48.35	27.99	1.65	.02	70.13	.62	.04		.05	.05	.030
		1.5	88.91	48.67	-2.03	1.65	.02	70.13	.62	.03		.05	.05	.030
		3.0	88.91	48.99	-32.04	1.65	.02	70.13	.62	.04		.05	.05	.030
		4.6	88.91	49.31	-62.06	1.65	.02	70.13	.62	.05		.05	.05	.031
		6.1	88.91	49.63	-92.08	1.65	.02	70.13	.62	.07		.05	.05	.032

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LOAD CONDITION NO. 6

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 625	200- 1	0.0	6.83	49.87	19.49	.08	-.38	3.32	.18	.30		.03	.03	.021
		5.1	6.83	26.62	14.79	.08	-.38	3.32	.18	.17		.03	.03	.015
		10.1	6.83	3.38	10.09	.08	-.38	3.32	.18	.06		.03	.03	.011
		15.2	6.83	-19.87	5.39	.08	-.38	3.32	.18	.12		.03	.03	.013
		20.3	6.83	-43.11	.69	.08	-.38	3.32	.18	.24		.03	.03	.018
504- 505	105- 1	0.0	-.43	.14	-.56	-.01	.00	.13	-.04	-.01		.00	.00	.002
		3.8	-.43	.19	.10	-.01	.00	.13	-.04	-.01		.00	.00	.002
		7.6	-.43	.25	.56	-.01	.00	.13	-.04	-.02		.00	.00	.003
		11.4	-.43	.30	1.02	-.01	.00	.13	-.04	-.04		.00	.00	.003
		15.2	-.43	.36	1.48	-.01	.00	.13	-.04	-.05		.00	.00	.004
504- 506	105- 1	0.0	2.67	.03	13.70	.19	-.02	-2.14	.09	.12		.02	.02	.009
		3.8	2.67	-.74	5.11	.19	-.02	-2.14	.09	.05		.02	.02	.006
		7.6	2.67	-1.52	-3.48	.19	-.02	-2.14	.09	.03		.02	.02	.006
		11.4	2.67	-2.30	-12.08	.19	-.02	-2.14	.09	.11		.02	.02	.009
		15.2	2.67	-3.07	-20.67	.19	-.02	-2.14	.09	.19		.02	.02	.012
505- 506	105- 1	0.0	-1.41	-.73	3.18	.11	-.03	1.30	-.05	-.03		.01	.01	.004
		3.8	-1.41	-1.45	-1.71	.11	-.03	1.30	-.05	-.02		.01	.01	.004
		7.6	-1.41	-3.17	-6.60	.11	-.03	1.30	-.05	-.07		.01	.01	.005
		11.4	-1.41	-4.58	-11.49	.11	-.03	1.30	-.05	-.11		.01	.01	.007
		15.2	-1.41	-5.60	-16.38	.11	-.03	1.30	-.05	-.15		.01	.01	.009
505- 606	JLS- 1	0.0	-66.47	9.22	-16.19	.34	-1.44	17.72	-.60	-.01		.03	.03	.029
		1.5	-66.47	-17.04	-22.48	.34	-1.44	17.72	-.60	-.02		.03	.03	.029
		3.0	-66.47	-43.29	-24.77	.34	-1.44	17.72	-.60	-.03		.03	.03	.030
		4.6	-66.47	-69.55	-35.06	.34	-1.44	17.72	-.60	-.05		.03	.03	.030
		6.1	-66.47	-95.81	-41.36	.34	-1.44	17.72	-.60	-.07		.03	.03	.031
506- 624	200- 1	0.0	-4.51	22.91	-48.12	-.36	-.17	-5.41	-.12	-.30		.04	.04	.018
		5.1	-4.51	12.59	-26.12	-.36	-.17	-5.41	-.12	-.16		.04	.04	.013
		10.1	-4.51	2.27	-4.12	-.36	-.17	-5.41	-.12	-.03		.04	.04	.007
		15.2	-4.51	-8.05	17.88	-.36	-.17	-5.41	-.12	-.11		.04	.04	.011
		20.2	-4.51	-17.65	39.49	-.32	-.11	-5.41	-.12	-.24		.03	.03	.016
510- 710	P1- 1	0.0	-6.68	-9.69	6.98	-1.66	-.40	17.35	-.03	-.01		.02	.02	.002
		6.3	-6.68	-40.40	133.24	-1.66	-.40	17.35	-.03	-.07		.02	.02	.004
		12.7	-6.68	-71.10	259.49	-1.66	-.40	17.35	-.03	-.13		.02	.02	.007
		19.0	-6.68	-101.81	385.75	-1.66	-.40	17.35	-.03	-.19		.02	.02	.009
		25.3	-6.68	-132.51	512.00	-1.66	-.40	17.35	-.03	-.25		.02	.02	.012
511- 711	P1- 1	0.0	-98.07	-60.29	27.56	1.62	1.61	-18.39	-.44	-.03		.02	.02	.023
		6.3	-98.07	62.14	-95.56	1.62	1.61	-18.39	-.44	-.05		.02	.02	.024
		12.7	-98.07	184.64	-214.69	1.62	1.61	-18.39	-.44	-.13		.02	.02	.027
		19.0	-98.07	307.10	-341.81	1.62	1.61	-18.39	-.44	-.21		.02	.02	.031
		25.3	-98.07	429.56	-464.94	1.62	1.61	-18.39	-.44	-.30		.02	.02	.034

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	M1- 1	0.0	84.71	-42.58	-62.88	-.29	-.83	-19.62	.40	.04		.01	.01	.020
		6.3	84.71	-125.54	-40.60	-.29	-.83	-19.62	.40	.06		.01	.01	.021
		12.7	84.71	-188.50	-18.35	-.29	-.83	-19.62	.40	.09		.01	.01	.022
		19.0	84.71	-251.47	3.95	-.29	-.83	-19.62	.40	.12		.01	.01	.024
		25.3	84.71	-314.43	26.23	-.29	-.83	-19.62	.40	.15		.01	.01	.025
601- 621	JL6- 1	0.0	7.31	-25.23	112.40	-1.70	-1.14	-106.30	.05	.07		.06	.06	.005
		1.5	7.31	-46.07	143.41	-1.70	-1.14	-106.30	.05	.09		.06	.06	.006
		3.0	7.31	-66.90	174.42	-1.70	-1.14	-106.30	.05	.12		.06	.06	.007
		4.6	7.31	-87.73	205.43	-1.70	-1.14	-106.30	.05	.14		.06	.06	.008
		6.1	7.31	-108.56	236.43	-1.70	-1.14	-106.30	.05	.16		.06	.06	.009
603- 623	JL6- 1	0.0	88.29	39.81	-66.17	1.36	.20	85.26	.62	.05		.05	.05	.031
		1.5	88.29	43.53	-91.04	1.36	.20	85.26	.62	.06		.05	.05	.031
		3.0	88.29	47.24	-115.90	1.36	.20	85.26	.62	.08		.05	.05	.032
		4.6	88.29	50.96	-140.77	1.36	.20	85.26	.62	.09		.05	.05	.033
		6.1	88.29	54.68	-165.64	1.36	.20	85.26	.62	.11		.05	.05	.035
606- 626	JL6- 1	0.0	-86.47	-95.81	-41.30	.34	-1.72	17.85	-.60	-.07		.03	.03	.051
		1.5	-86.47	-127.17	-47.59	.34	-1.72	17.85	-.60	-.09		.03	.03	.032
		3.0	-86.47	-158.53	-53.87	.34	-1.72	17.85	-.60	-.11		.03	.03	.035
		4.6	-86.49	-189.56	-59.97	.29	-1.63	17.85	-.61	-.12		.03	.03	.034
		6.1	-86.59	-217.60	-64.28	.11	-1.32	17.85	-.61	-.14		.02	.02	.034
621- 651	JL6- 1	0.0	7.31	-107.48	236.82	-1.70	-1.12	-106.54	.05	.16		.06	.06	.009
		1.5	7.31	-127.88	265.02	-1.50	-1.11	-106.54	.05	.18		.06	.06	.010
		3.0	7.32	-148.02	284.13	-.79	-1.10	-106.54	.05	.20		.05	.05	.011
		4.6	7.32	-167.87	294.07	-.30	-1.08	-106.54	.05	.21		.05	.05	.011
		6.1	7.32	-187.42	294.99	.20	-1.06	-106.54	.05	.22		.05	.05	.012
622- 703	200- 1	0.0	-2.71	6.88	-28.35	.18	-.06	3.59	-.07	-.16		.02	.02	.010
		5.4	-2.70	3.12	-38.03	.03	-.05	3.59	-.07	-.21		.01	.01	.013
		10.9	-2.70	-.38	-29.61	-.29	-.06	3.59	-.07	-.17		.03	.03	.011
		16.3	-2.70	-5.44	.12	-.62	-.10	3.59	-.07	-.03		.04	.04	.005
		21.8	-2.68	-13.86	50.35	-.91	-.16	3.59	-.07	-.29		.06	.06	.016
623- 653	JL6- 1	0.0	88.29	55.42	-165.25	1.29	.33	85.54	.62	.11		.05	.05	.033
		1.5	88.29	61.52	-188.76	1.29	.33	85.54	.62	.12		.05	.05	.034
		3.0	88.27	67.56	-212.23	1.26	.29	85.54	.62	.14		.04	.04	.034
		4.6	88.15	69.46	-233.04	1.02	-.08	85.54	.62	.15		.04	.04	.035
		6.1	88.03	64.85	-249.63	.79	-.43	85.54	.62	.16		.04	.04	.035
624- 701	200- 1	0.0	-4.51	-17.84	39.48	-.32	-.11	-5.40	-.12	-.24		.03	.03	.016
		5.5	-4.50	-16.88	50.33	-.00	.07	-5.40	-.12	-.30		.02	.02	.019
		11.0	-4.50	-9.28	39.83	.32	.21	-5.40	-.12	-.23		.04	.04	.016
		16.5	-4.51	9.06	8.79	.62	.34	-5.40	-.12	-.07		.05	.05	.009
		21.9	-4.51	34.78	-41.38	.91	.44	-5.40	-.12	-.30		.07	.07	.019

S R N MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
625- 706	200- 1	0.0	6.83	-43.11	.68	.07	-.36	3.30	.18	.24		.03	.03	.016
		5.5	6.84	-53.46	-3.60	.06	.08	3.30	.18	.30		.01	.01	.021
		11.0	6.81	-33.15	-7.35	.06	.53	3.30	.18	.19		.04	.04	.016
		16.4	6.81	15.64	-11.06	.06	.95	3.30	.18	.11		.06	.06	.013
		21.9	6.81	90.18	-14.29	.04	1.31	3.30	.18	.51		.08	.08	.030
626- 656	JL6- 1	0.0	-66.57	-217.30	-64.14	.16	-1.27	17.75	-.61	-.14		.02	.02	.034
		1.5	-66.42	-236.87	-64.67	-.11	-.85	17.75	-.60	-.15		.02	.02	.035
		3.0	-66.28	-248.45	-60.34	-.37	-.44	17.75	-.60	-.16		.01	.01	.035
		4.6	-66.15	-252.79	-51.29	-.62	-.04	17.75	-.60	-.16		.01	.01	.035
		6.1	-66.02	-249.79	-37.66	-.87	.36	17.75	-.60	-.16		.02	.02	.035
651- 701	JL6- 1	0.0	7.31	-189.95	276.75	2.50	-.38	-141.14	.05	.21		.08	.08	.011
		1.8	7.31	-198.25	221.75	2.87	-.40	-141.14	.05	.19		.08	.08	.010
		3.5	7.31	-206.97	154.71	3.43	-.42	-141.14	.05	.16		.09	.09	.009
		5.3	7.30	-216.06	75.93	3.97	-.43	-141.14	.05	.14		.10	.10	.008
		7.1	7.30	-225.46	-14.29	4.50	-.45	-141.14	.05	.14		.11	.11	.008
653- 703	JL6- 1	0.0	92.73	99.87	-255.65	-.56	-.83	99.60	.65	.17		.05	.05	.037
		1.8	92.73	77.10	-241.02	-.82	-1.31	99.60	.65	.16		.05	.05	.037
		3.5	92.72	44.37	-220.91	-1.07	-1.77	99.60	.65	.14		.06	.06	.036
		5.3	92.72	1.92	-195.39	-1.32	-2.22	99.60	.65	.12		.07	.07	.035
		7.1	92.72	-49.99	-164.54	-1.57	-2.66	99.60	.65	.11		.07	.07	.035
655- 706	JL6- 1	0.0	-66.02	-249.79	-37.67	-.87	.40	17.73	-.60	-.16		.02	.02	.035
		1.8	-66.02	-235.70	-15.97	-1.17	.92	17.73	-.60	-.15		.03	.03	.034
		3.5	-66.02	-210.70	12.06	-1.46	1.43	17.73	-.60	-.13		.03	.03	.034
		5.3	-66.01	-174.98	46.53	-1.75	1.93	17.73	-.60	-.11		.04	.04	.033
		7.1	-66.00	-128.75	86.75	-2.04	2.42	17.73	-.60	-.10		.05	.05	.032
701- 702	137- 1	0.0	-8.00	81.53	-13.69	.05	-.97	7.04	-.42	-1.46		.16	.16	.049
		4.7	-8.00	32.24	-14.01	-.05	-.79	7.04	-.42	-.62		.14	.14	.054
		9.4	-8.00	-7.16	-8.40	-.16	-.62	7.04	-.42	-.19		.13	.13	.038
		14.1	-8.00	-37.52	3.81	-.28	-.46	7.04	-.42	-.66		.12	.12	.056
		18.8	-8.00	-58.90	23.29	-.41	-.31	7.04	-.42	-1.12		.12	.12	.075
701- 704	137- 1	0.0	.69	95.24	-13.69	.07	-1.10	-5.24	.04	1.70		.16	.16	.073
		4.7	.69	38.68	-14.47	-.04	-.91	-5.24	.04	.73		.14	.14	.032
		9.4	.68	-7.33	-9.35	-.14	-.72	-5.24	.04	.21		.12	.12	.010
		14.1	.67	-42.78	1.65	-.25	-.54	-5.24	.04	.75		.11	.11	.033
		18.8	.67	-67.69	18.54	-.35	-.35	-5.24	.03	1.24		.10	.10	.054
701- 801	JL7- 1	0.0	-5.16	26.49	60.07	-3.34	-.08	-62.30	-.07	-.08		.13	.13	.007
		7.1	-5.17	18.18	259.85	-1.58	-.12	-62.30	-.07	-.53		.08	.08	.018
		14.2	-5.18	4.45	298.76	.44	-.20	-62.30	-.07	-.38		.05	.05	.020
		21.3	-5.20	-15.55	187.43	2.14	-.27	-62.30	-.07	-.24		.10	.10	.014
		28.4	-5.21	-41.24	-62.86	3.72	-.33	-62.30	-.07	-.10		.15	.15	.008

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6 DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
701- 806	200- 1	0.0	11.78	86.57	77.87	1.06	-1.04	3.29	.31	.66		.09	.09	.042
		12.5	11.82	-22.68	-36.83	.47	-.46	3.29	.31	.24		.04	.04	.025
		25.1	11.83	-56.57	-65.47	-.07	.01	3.29	.31	.48		.01	.01	.035
		37.6	11.82	-22.41	-22.19	-.49	.44	3.29	.31	.18		.04	.04	.022
		50.2	11.84	73.12	81.25	-.88	.81	3.29	.31	.61		.07	.07	.040
702- 703	137- 1	0.0	-8.53	-58.71	17.15	.57	.36	-7.58	-.44	-1.08		.12	.12	.075
		4.7	-8.53	-34.79	.26	.23	.49	-7.58	-.44	-.61		.12	.12	.055
		9.4	-8.53	-3.62	-8.71	.09	.61	-7.58	-.44	-.17		.13	.13	.037
		14.1	-8.53	34.15	-9.76	-.05	.73	-7.58	-.44	-.63		.18	.14	.056
		18.8	-8.53	77.66	-2.89	-.19	.83	-7.58	-.44	-1.37		.15	.15	.087
702- 704	107- 1	0.0	.15	8.77	-.29	.00	-.34	.18	.01	.29		.06	.06	.013
		4.7	.15	-6.08	-.46	.00	-.19	.18	.01	.20		.03	.03	.009
		9.4	.15	-12.35	-.63	.00	-.03	.18	.01	.41		.01	.01	.018
		14.1	.15	-9.39	-.81	.00	.14	.18	.01	.32		.03	.03	.014
		18.8	.15	3.46	-.98	.00	.32	.18	.01	.12		.06	.06	.006
702- 705	107- 1	0.0	.87	8.35	6.42	.20	-.33	-.21	.07	.35		.07	.07	.018
		4.7	.86	-6.24	-1.88	.10	-.18	-.21	.07	.22		.04	.04	.013
		9.4	.86	-12.25	-4.29	-.01	-.03	-.21	.07	.43		.01	.01	.022
		14.1	.85	-9.02	-.81	-.11	.14	-.21	.07	.30		.03	.03	.016
		18.8	.84	4.10	8.55	-.22	.32	-.21	.07	.32		.07	.07	.017
703- 705	137- 1	0.0	4.31	89.78	17.10	.13	-.94	6.00	.22	1.61		.15	.15	.078
		4.7	4.31	39.58	9.86	.13	-.84	6.00	.22	.72		.14	.14	.041
		9.4	4.31	-4.03	2.62	.13	-.71	6.00	.22	.08		.13	.13	.014
		14.1	4.31	-39.73	-4.62	.13	-.56	6.00	.22	.71		.11	.11	.040
		18.8	4.31	-66.19	-11.87	.13	-.38	6.00	.22	1.19		.09	.09	.060
703- 801	200- 1	0.0	12.44	76.18	-120.25	-1.57	-.76	-3.57	.33	.80		.09	.09	.049
		12.5	12.45	-7.97	30.07	-.65	-.37	-3.57	.33	.17		.05	.05	.022
		25.1	12.47	-38.57	79.37	-.02	-.04	-3.57	.33	.49		.01	.01	.036
		37.6	12.51	-19.06	41.70	.51	.29	-3.57	.33	.26		.04	.04	.026
		50.2	12.49	47.19	-73.84	1.02	.58	-3.57	.33	.49		.07	.07	.036
703- 803	JL7- 1	0.0	82.26	177.91	-146.19	.91	2.04	-14.77	1.16	.29		.07	.07	.066
		7.1	82.25	281.56	-186.15	.04	.42	-14.77	1.16	.43		.02	.02	.072
		14.2	82.23	254.84	-155.28	-.75	-1.05	-14.77	1.16	.38		.05	.05	.070
		21.3	82.22	109.27	-59.78	-1.48	-2.38	-14.77	1.16	.16		.09	.09	.061
		28.4	82.22	-147.82	96.26	-2.18	-3.65	-14.77	1.16	.22		.13	.13	.063
704- 705	107- 1	0.0	-.92	7.91	8.23	.20	-.37	.06	-.08	-.38		.07	.07	.021
		4.7	-.92	-7.70	-.15	.10	-.18	.06	-.08	-.26		.04	.04	.015
		9.4	-.92	-12.76	-3.25	.01	.00	.06	-.08	-.48		.00	.00	.023
		14.1	-.92	-7.25	-1.06	-.09	.19	.06	-.08	-.25		.04	.04	.015
		18.8	-.92	8.81	6.40	-.18	.38	.06	-.08	-.36		.07	.07	.020

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
704- 706 137- 1		0.0	1.38	-70.13	9.33	.22	.34	4.69	.07	1.25		.08	.08	.056
		4.7	1.37	-45.47	-.09	.12	.54	4.69	.07	.80		.10	.10	.037
		9.4	1.37	-9.60	-4.18	.03	.74	4.69	.07	.18		.12	.12	.011
		14.1	1.38	36.16	-3.52	-.05	.96	4.69	.07	.68		.14	.14	.032
		18.8	1.40	96.46	1.52	-.12	1.19	4.69	.07	1.74		.17	.17	.076
705- 706 137- 1		0.0	5.54	-68.68	3.09	.04	.32	-5.33	.29	1.21		.08	.08	.064
		4.7	5.54	-45.08	.73	.04	.52	-5.33	.29	.80		.10	.10	.047
		9.4	5.54	-10.26	-1.62	.04	.72	-5.33	.29	.18		.12	.12	.021
		14.1	5.54	36.43	-3.98	.04	.94	-5.33	.29	.65		.14	.14	.041
		18.8	5.54	95.07	-6.34	.04	1.17	-5.33	.29	1.69		.17	.17	.084
706- 803 200- 1		0.0	-22.50	-11.85	26.62	.13	-.09	1.08	-.59	-.16		.01	.01	.045
		12.5	-22.55	-2.84	9.74	.10	.16	1.08	-.59	-.06		.01	.01	.039
		25.1	-22.54	21.85	-4.59	.09	.13	1.08	-.59	-.12		.01	.01	.041
		37.6	-22.50	26.70	-13.76	.03	-.09	1.08	-.59	-.17		.01	.01	.043
		50.2	-22.49	-8.74	-17.51	.03	-.38	1.08	-.59	-.11		.02	.02	.041
706- 806 JL7- 1		0.0	-73.71	109.19	119.22	2.21	-3.85	63.59	-1.04	-.21		.17	.17	.059
		7.1	-73.70	-141.51	-25.39	1.20	-2.06	63.59	-1.04	-.18		.11	.11	.059
		14.2	-73.70	-246.48	-88.20	.28	-.42	63.59	-1.04	-.33		.05	.05	.065
		21.3	-73.68	-216.82	-75.45	-.58	1.10	63.59	-1.04	-.29		.08	.08	.063
		28.4	-73.66	-61.95	8.31	-1.58	2.52	63.59	-1.04	-.08		.12	.12	.054
710- 810 P2- 1		0.0	-6.68	-131.75	512.21	.11	.62	17.18	-.03	-.22		.01	.01	.011
		7.1	-6.68	-79.10	502.95	.11	.62	17.18	-.03	-.21		.01	.01	.010
		14.2	-6.68	-26.44	493.69	.11	.62	17.18	-.03	-.21		.01	.01	.010
		21.3	-6.68	26.22	484.44	.11	.62	17.18	-.03	-.20		.01	.01	.010
		28.4	-6.68	78.88	475.18	.11	.62	17.18	-.03	-.20		.01	.01	.010
711- 811 P2- 1		0.0	-98.07	430.25	-464.31	-.95	.06	-18.11	-.39	-.26		.01	.01	.030
		7.1	-98.07	435.26	-383.19	-.95	.06	-18.11	-.39	-.24		.01	.01	.029
		14.2	-98.07	440.28	-302.07	-.95	.06	-18.11	-.39	-.22		.01	.01	.029
		21.3	-98.07	445.30	-220.96	-.95	.06	-18.11	-.39	-.21		.01	.01	.028
		28.4	-98.07	450.31	-139.84	-.95	.06	-18.11	-.39	-.20		.01	.01	.027
712- 812 P2- 1		0.0	88.71	-314.43	26.22	.92	-.57	-19.63	.35	.13		.01	.01	.022
		7.1	88.71	-363.19	-52.09	.92	-.57	-19.63	.35	.15		.01	.01	.023
		14.2	88.71	-411.95	-130.41	.92	-.57	-19.63	.35	.18		.01	.01	.02
		21.3	88.71	-460.71	-208.72	.92	-.57	-19.63	.35	.21		.01	.01	.025
		28.4	88.71	-509.47	-287.03	.92	-.57	-19.63	.35	.24		.01	.01	.027
H01- 802 140- 1		0.0	-.82	36.89	-26.35	.03	-.37	5.15	-.04	-.66		.07	.07	.030
		5.7	-.82	13.71	-24.48	-.08	-.31	5.15	-.04	-.41		.07	.07	.020
		11.4	-.82	-5.58	-14.81	-.20	-.25	5.15	-.04	-.23		.07	.07	.012
		17.1	-.82	-20.97	2.65	-.31	-.20	5.15	-.04	-.31		.07	.07	.016
		22.8	-.82	-32.47	27.91	-.43	-.14	5.15	-.04	-.62		.08	.08	.029

LOAD CONDITION NO. 6

U.S. NAVY - ACHN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804	100- 1	0.0	7.74	65.94	-27.03	.02	-.55	-.71	.36	1.00		.06	.06	.059
		5.7	7.73	20.68	-24.06	-.10	-.48	-.71	.36	.58		.05	.05	.040
		11.4	7.74	-1.72	-13.24	-.21	-.40	-.71	.36	.19		.05	.05	.025
		17.1	7.75	-26.27	4.59	-.31	-.31	-.71	.37	.39		.05	.05	.033
		22.8	7.76	-44.00	24.58	-.39	-.20	-.71	.37	.76		.05	.05	.049
801- 901	JL8- 1	0.0	10.24	59.28	-60.60	-3.02	-.09	-1.49	.14	.11		.09	.09	.011
		4.1	10.23	47.25	150.89	-1.55	-.15	-1.49	.14	.20		.04	.04	.015
		16.2	10.23	29.66	205.83	.21	-.20	-1.49	.14	.26		.01	.01	.018
		24.3	10.22	6.58	112.47	1.70	-.25	-1.49	.14	.14		.05	.05	.013
		32.4	10.22	-15.00	-122.84	3.12	-.26	-1.49	.14	.16		.09	.09	.015
801- 903	200- 1	0.0	-17.72	-40.38	66.92	.91	.26	5.00	-.47	-.44		.06	.06	.050
		14.9	-17.71	1.25	-46.53	.37	.19	5.00	-.47	-.26		.04	.04	.042
		29.8	-17.68	23.80	-72.78	-.08	.05	5.00	-.46	-.43		.02	.02	.049
		44.7	-17.72	14.54	-19.68	-.52	-.16	5.00	-.47	-.14		.04	.04	.037
		59.6	-17.79	-33.24	111.90	-.96	-.38	5.00	-.47	-.65		.07	.07	.059
802- 803	100- 1	0.0	-1.50	-29.35	15.89	.28	.16	-6.48	-.07	-.48		.08	.08	.025
		5.7	-1.50	-16.49	.32	.17	.22	-6.48	-.07	-.24		.07	.07	.015
		11.4	-1.50	.26	-7.46	.06	.27	-6.48	-.07	-.11		.07	.07	.010
		17.1	-1.50	20.91	-7.44	-.06	.33	-6.48	-.07	-.32		.08	.08	.019
		22.8	-1.50	45.45	.37	-.17	.39	-6.48	-.07	-.66		.09	.09	.033
802- 804	100- 1	0.0	-.00	9.40	1.44	.01	-.18	-.45	-.00	-.32		.04	.04	.013
		5.7	-.00	-.61	.89	.01	-.12	-.45	-.00	-.04		.03	.03	.002
		11.4	-.00	-6.14	.55	.01	-.04	-.45	-.00	-.21		.01	.01	.009
		17.1	-.00	-5.62	-.20	.01	.06	-.45	-.00	-.19		.02	.02	.006
		22.8	-.00	1.71	-.75	.01	.16	-.45	-.00	-.06		.03	.03	.003
802- 805	100- 1	0.0	.95	3.42	10.58	.23	-.12	.61	.08	.37		.05	.05	.019
		5.7	.94	-2.74	-.75	.11	-.06	.61	.08	.10		.03	.03	.006
		11.4	.95	-5.08	-4.23	-.00	-.01	.61	.08	.22		.01	.01	.013
		17.1	.96	-3.49	-.70	-.10	.05	.61	.08	.12		.03	.03	.009
		22.8	.96	2.00	9.01	-.18	.11	.61	.08	.31		.05	.05	.017
803- 805	100- 1	0.0	-6.91	47.68	10.76	.05	-.32	4.84	-.33	-.71		.07	.07	.053
		5.7	-6.91	26.14	7.18	.05	-.31	4.84	-.33	-.39		.06	.06	.040
		11.4	-6.91	5.37	3.60	.05	-.29	4.84	-.33	-.09		.06	.06	.027
		17.1	-6.91	-15.45	.02	.05	-.26	4.84	-.33	-.19		.06	.06	.031
		22.8	-6.91	-29.38	-3.56	.05	-.21	4.84	-.33	-.43		.06	.06	.041
803- 903	JL8- 1	0.0	51.11	29.19	41.80	1.33	1.97	39.89	.72	.06		.09	.09	.036
		8.1	51.13	154.21	-49.97	.57	.62	39.89	.72	.21		.05	.05	.042
		16.2	51.16	152.54	-71.97	-.12	-.63	39.89	.72	.21		.04	.04	.043
		24.3	51.14	35.89	-28.34	-.78	-1.79	39.89	.72	.06		.08	.08	.036
		32.4	51.12	-195.01	77.57	-1.59	-2.91	39.89	.72	.27		.12	.12	.045

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									/----------KSI----------/					
803- 906	200- 1	0.0	32.95	106.71	44.30	.21	-.79	.16	.87	.65		.04	.04	.067
		14.9	32.96	-2.41	12.35	.15	-.43	.16	.87	.07		.02	.02	.045
		29.8	32.97	-47.35	-7.93	.08	-.07	.16	.87	.27		.01	.01	.051
		44.7	32.98	-28.09	-16.53	.02	.29	.16	.87	.18		.02	.02	.048
		59.6	32.99	55.38	-13.46	-.05	.65	.16	.87	.32		.03	.03	.054
804- 805	108- 1	0.0	-.87	1.29	6.66	.14	-.17	-.09	-.07	-.23		.04	.04	.014
		5.7	-.87	-6.47	-1.01	.08	-.06	-.09	-.07	-.22		.02	.02	.014
		11.4	-.87	-7.40	-3.80	.00	.03	-.09	-.07	-.28		.01	.01	.016
		17.1	-.87	-2.49	-.75	-.09	.11	-.09	-.07	-.09		.03	.03	.008
		22.8	-.87	7.29	9.13	-.20	.17	-.09	-.07	-.39		.05	.05	.021
804- 806	148- 1	0.0	8.33	-43.32	21.17	.30	.13	1.70	.39	.70		.04	.04	.046
		5.7	8.35	-30.86	3.62	.22	.24	1.70	.39	.45		.04	.04	.037
		11.4	8.37	-10.61	-8.60	.14	.35	1.70	.39	.20		.05	.05	.027
		17.1	8.39	17.43	-15.50	.06	.47	1.70	.40	.34		.06	.06	.033
		22.8	8.41	53.27	-17.07	-.02	.58	1.70	.40	.81		.07	.07	.052
805- 806	148- 1	0.0	-5.66	-31.54	14.57	.15	.08	-2.85	-.27	-.50		.04	.04	.040
		5.7	-5.66	-24.05	4.61	.15	.15	-2.85	-.27	-.35		.04	.04	.034
		11.4	-5.66	-10.71	-5.35	.15	.25	-2.85	-.27	-.17		.05	.05	.026
		17.1	-5.66	10.10	-15.31	.15	.36	-2.85	-.27	-.27		.06	.06	.030
		22.8	-5.66	36.71	-25.27	.15	.48	-2.85	-.27	-.67		.07	.07	.047
806- 901	200- 1	0.0	-18.16	-12.49	-99.53	-.94	-.10	-4.72	-.48	-.56		.06	.06	.056
		14.9	-18.11	-17.04	30.74	-.50	.04	-4.72	-.48	-.20		.04	.04	.040
		29.8	-18.03	-4.17	78.95	-.03	.10	-4.72	-.47	-.44		.02	.02	.050
		44.7	-18.02	14.08	38.47	.49	.10	-4.72	-.47	-.23		.04	.04	.041
		59.6	-18.02	23.51	-91.12	.95	-.01	-4.72	-.47	-.53		.06	.06	.054
806- 906	JL8- 1	0.0	-59.37	65.42	-13.45	1.53	-2.57	-46.16	-.84	-.08		.11	.11	.045
		8.1	-59.36	-111.20	-119.74	.67	-1.07	-46.16	-.84	-.21		.07	.07	.050
		16.2	-59.36	-147.67	-145.11	-.13	.31	-46.16	-.84	-.26		.04	.04	.052
		24.3	-59.41	-55.69	-45.53	-.87	1.57	-46.16	-.84	-.18		.08	.08	.047
		32.4	-59.41	154.84	23.07	-1.55	2.75	-46.16	-.84	-.20		.12	.12	.050
810- 910	M2- 1	0.0	-6.68	78.35	475.25	1.03	-.01	17.55	-.03	-.20		.01	.01	.010
		8.1	-6.68	76.94	374.52	1.03	-.01	17.55	-.03	-.16		.01	.01	.008
		16.2	-6.68	75.54	273.79	1.03	-.01	17.55	-.03	-.12		.01	.01	.006
		24.3	-6.68	74.13	173.06	1.03	-.01	17.55	-.03	-.08		.01	.01	.005
		32.4	-6.68	72.73	72.33	1.03	-.01	17.55	-.03	-.04		.01	.01	.003
811- 911	M2- 1	0.0	-98.07	450.16	-140.32	-.65	-1.79	-18.30	-.39	-.20		.02	.02	.026
		8.1	-98.07	275.87	-76.94	-.65	-1.79	-18.30	-.39	-.12		.02	.02	.024
		16.2	-98.07	101.58	-13.57	-.65	-1.79	-18.30	-.39	-.04		.02	.02	.021
		24.3	-98.07	-72.72	49.81	-.65	-1.79	-18.30	-.39	-.04		.02	.02	.021
		32.4	-98.07	-247.01	113.19	-.65	-1.79	-18.30	-.39	-.11		.02	.02	.024

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECT#	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
M12- 912	M2- 1	0.0	68.70	-509.47	-267.02	-.19	1.80	-19.75	.35	.24		.02	.02	.027
		6.1	66.70	-334.48	-268.94	-.19	1.80	-19.75	.35	.18		.02	.02	.024
		16.2	64.70	-159.49	-250.86	-.19	1.80	-19.75	.35	.12		.02	.02	.022
		24.3	66.70	15.50	-232.77	-.19	1.80	-19.75	.35	.10		.02	.02	.020
		32.4	64.70	190.49	-214.69	-.19	1.80	-19.75	.35	.12		.02	.02	.021
901- 902	169- 1	0.0	1.53	-6.45	-33.03	.06	.02	1.99	.06	.37		.02	.02	.018
		6.9	1.53	-5.00	-32.32	-.08	.02	1.99	.06	.36		.02	.02	.018
		15.7	1.53	-3.55	-20.34	-.21	.02	1.99	.06	.23		.03	.03	.012
		20.6	1.53	-2.10	2.92	-.35	.02	1.99	.06	.04		.04	.04	.005
		27.4	1.53	-.66	37.46	-.49	.02	1.99	.06	.41		.05	.05	.020
901- 904	169- 1	0.0	10.72	9.83	-29.91	.09	-.03	1.71	.44	.34		.02	.02	.035
		6.9	10.71	7.15	-31.23	-.06	-.03	1.71	.44	.35		.02	.02	.035
		15.7	10.70	4.47	-19.96	-.21	-.03	1.71	.44	.22		.03	.03	.030
		20.6	10.69	1.78	3.88	-.37	-.03	1.71	.44	.05		.04	.04	.022
		27.4	10.68	-.90	40.30	-.52	-.03	1.71	.44	.44		.05	.05	.039
901-1001	JL9- 1	0.0	-.23	18.49	-95.01	-2.87	.02	38.54	-.00	-.12		.11	.11	.005
		6.1	-.24	18.11	117.49	-1.50	-.02	38.54	-.00	-.15		.07	.07	.007
		16.2	-.25	14.19	197.58	-.15	-.06	38.54	-.00	-.25		.03	.03	.011
		24.3	-.25	7.71	146.98	1.19	-.08	38.54	-.00	-.19		.06	.06	.008
		32.4	-.25	-.35	-32.41	2.50	-.09	38.54	-.00	-.04		.10	.10	.002
901-1002	180- 1	0.0	-17.38	-30.45	10.80	.36	.34	2.86	-.63	-.28		.05	.05	.049
		10.6	-17.38	1.89	-21.51	.16	.17	2.86	-.63	-.18		.03	.03	.045
		21.1	-17.39	13.43	-28.50	-.04	.01	2.86	-.63	-.27		.02	.02	.049
		31.7	-17.39	4.20	-10.17	-.24	-.15	2.86	-.63	-.09		.03	.03	.041
		42.2	-17.39	-25.81	33.49	-.44	-.32	2.86	-.63	-.36		.05	.05	.053
901-1004	180- 1	0.0	18.22	22.84	30.42	.55	-.28	1.65	.66	.33		.05	.05	.044
		10.6	18.21	-3.70	-21.12	.27	-.14	1.65	.66	.18		.03	.03	.036
		21.1	18.19	-11.45	-37.26	-.01	.01	1.65	.66	.33		.01	.01	.045
		31.7	18.18	-.42	-17.97	-.29	.18	1.65	.66	.15		.03	.03	.037
		42.2	18.17	29.41	36.72	-.57	.31	1.65	.66	.40		.05	.05	.048
902- 903	169- 1	0.0	.81	-.99	25.17	.37	.03	-1.71	.03	.28		.04	.04	.013
		6.9	.81	1.82	.36	.23	.03	-1.71	.03	.02		.03	.03	.002
		15.7	.81	4.64	-13.18	.10	.03	-1.71	.03	.15		.02	.02	.008
		20.6	.81	7.45	-15.43	-.04	.03	-1.71	.03	.19		.01	.01	.009
		27.4	.81	10.27	-6.41	-.18	.05	-1.71	.03	.13		.02	.02	.007
902- 904	109- 1	0.0	-.01	1.85	1.54	.01	-.01	-.81	-.00	-.08		.02	.02	.003
		6.9	-.01	.94	.91	.01	-.01	-.81	-.00	-.04		.02	.02	.002
		15.7	-.01	.03	.27	.01	-.01	-.81	-.00	-.01		.02	.02	.000
		20.6	-.01	-.87	-.36	.01	-.01	-.81	-.00	-.03		.02	.02	.001
		27.4	-.01	-1.78	-.99	.01	-.01	-.81	-.00	-.07		.02	.02	.003

LOAD CONDITION NO. 6

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
902- 905 109- 1		0.0	1.11	1.75	10.75	.19	-.01	.37	.09	.36		.04	.04	.020
		6.9	1.13	1.29	-.76	.09	-.01	.37	.09	.05		.02	.02	.007
		13.7	1.16	.03	-4.57	-.00	-.01	.37	.10	.16		.01	.01	.011
		20.6	1.18	.36	-.68	-.09	-.01	.37	.10	.03		.02	.02	.006
		27.4	1.21	-.18	10.91	-.19	-.01	.37	.10	.36		.04	.04	.020
903- 905 109- 1		0.0	-11.83	10.49	21.31	.08	-.05	.59	-.49	-.29		.01	.01	.048
		6.9	-11.83	12.18	14.77	.08	-.05	.59	-.49	-.21		.01	.01	.045
		13.7	-11.83	7.86	8.22	.08	-.05	.59	-.49	-.12		.01	.01	.041
		20.6	-11.83	3.54	1.67	.08	-.05	.59	-.49	-.04		.01	.01	.038
		27.4	-11.83	-.78	-4.87	.08	-.05	.59	-.49	-.05		.01	.01	.038
903-1002 180- 1		0.0	17.56	18.24	-43.96	-.01	-.16	-.83	.64	.41		.05	.05	.047
		10.6	17.62	1.69	13.23	-.30	-.10	-.83	.64	.11		.03	.03	.034
		21.1	17.64	-5.29	32.52	-.01	-.01	-.83	.64	.28		.00	.00	.042
		31.7	17.64	-.28	17.24	.25	.09	-.83	.64	.15		.02	.02	.036
		42.2	17.65	19.15	-29.28	.48	.22	-.83	.64	.30		.04	.04	.042
903-1003 JL9- 1		0.0	4.11	-152.72	102.45	1.59	2.35	-27.15	.06	.23		.09	.09	.013
		8.1	4.10	22.81	-4.02	.80	1.26	-27.15	.06	.03		.06	.06	.004
		16.2	4.08	93.82	-54.15	.23	.20	-27.15	.06	.14		.03	.03	.008
		24.3	4.08	62.98	-48.48	-.34	-.83	-27.15	.06	.10		.04	.04	.007
		32.4	4.07	-67.06	12.28	-.90	-1.84	-27.15	.06	.09		.08	.08	.006
903-1005 180- 1		0.0	33.10	38.03	28.24	.17	-.37	-4.47	1.20	.40		.05	.05	.075
		10.6	33.11	2.45	10.62	.11	-.19	-4.47	1.20	.09		.04	.04	.060
		21.1	33.12	-10.98	-.36	.06	-.02	-4.47	1.20	.09		.02	.02	.060
		31.7	33.13	-2.26	-4.70	.01	.16	-4.47	1.21	.04		.03	.03	.058
		42.2	33.14	28.59	-2.40	-.04	.33	-4.47	1.21	.25		.04	.04	.066
904- 905 109- 1		0.0	-1.13	-2.00	6.90	.13	.01	.35	-.09	-.24		.03	.03	.017
		6.9	-1.13	-1.42	-1.11	.06	.01	.33	-.09	-.06		.02	.02	.009
		13.7	-1.13	-.85	-3.47	-.01	.01	.33	-.09	-.12		.01	.01	.012
		20.6	-1.13	-.27	-.20	-.07	.01	.33	-.09	-.01		.02	.02	.007
		27.4	-1.13	.30	8.72	-.14	.01	.33	-.09	-.29		.03	.03	.019
904- 906 169- 1		0.0	11.36	-.37	32.41	.41	-.05	-2.13	.47	.35		.05	.05	.037
		6.9	11.35	-4.30	4.89	.26	-.04	-2.13	.47	.07		.03	.03	.025
		13.7	11.36	-8.03	-11.26	.13	-.02	-2.13	.47	.14		.02	.02	.028
		20.6	11.37	-8.53	-17.27	.02	.03	-2.13	.47	.20		.01	.01	.030
		27.4	11.39	-2.00	-14.35	-.08	.09	-2.13	.47	.16		.02	.02	.028
905- 906 169- 1		0.0	-10.37	-.38	14.75	.12	-.05	.43	-.43	-.16		.01	.01	.036
		6.9	-10.37	-4.58	4.47	.12	-.05	.43	-.43	-.07		.01	.01	.035
		13.7	-10.37	-8.78	-5.81	.12	-.05	.43	-.43	-.12		.01	.01	.036
		20.6	-10.37	-12.52	-16.10	.12	-.03	.43	-.43	-.22		.01	.01	.041
		27.4	-10.37	-15.43	-26.38	.12	.02	.43	-.43	-.32		.01	.01	.045

STRAN MEMBER DETAIL REPORT

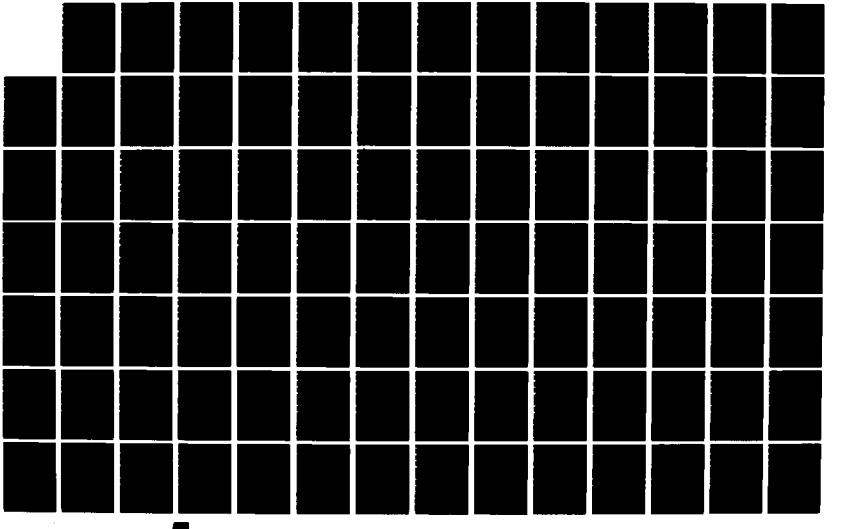
LOAD CONDITION NO. 6

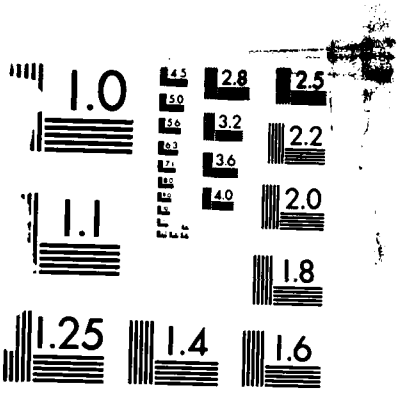
U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
906-1004	180- 1	0.0	-14.23	-11.80	-44.86	-.57	.05	1.46	-.66	-.40		.05	.05	.056
		10.6	-14.23	-4.75	12.00	-.72	.05	1.46	-.66	-.11		.03	.03	.044
		21.1	-14.26	-.04	33.78	-.02	.02	1.46	-.66	-.29		.01	.01	.051
		31.7	-14.29	-.04	18.30	.27	-.02	1.46	-.67	-.16		.03	.03	.046
		42.2	-14.27	-7.23	-34.47	.56	-.10	1.46	-.66	-.30		.05	.05	.052
906-1005	180- 1	0.0	-33.18	-29.63	12.24	.04	.32	-1.50	-1.21	-.27		.03	.03	.083
		10.6	-33.17	1.36	9.48	.01	.17	-1.50	-1.21	-.08		.02	.02	.075
		21.1	-33.16	11.18	6.73	.03	-.01	-1.50	-1.21	-.11		.01	.01	.076
		31.7	-33.20	-1.83	.94	.06	-.19	-1.50	-1.21	-.02		.02	.02	.072
		42.2	-33.22	-37.69	-7.96	.08	-.37	-1.50	-1.21	-.33		.03	.03	.085
906-1006	JL4- 1	0.0	-4.02	134.48	-.72	1.27	-2.37	-18.78	-.06	-.17		.09	.09	.010
		8.1	-4.00	-41.24	-92.55	.62	-1.25	-18.78	-.06	-.13		.05	.05	.008
		16.2	-3.98	-109.24	-121.18	-.03	-.16	-18.78	-.06	-.21		.02	.02	.012
		24.3	-3.97	-72.78	-86.69	-.68	.91	-18.78	-.06	-.14		.04	.04	.009
		32.4	-3.95	67.51	10.96	-1.33	1.97	-18.78	-.06	-.09		.08	.08	.006
1010- 910	P3- 1	0.0	-6.68	-116.41	-928.01	-2.20	.49	17.52	-.03	-.39		.02	.02	.015
		8.1	-6.68	-69.11	-714.07	-2.20	.49	17.52	-.03	-.30		.02	.02	.014
		16.2	-6.68	-21.81	-500.14	-2.20	.49	17.52	-.03	-.21		.02	.02	.010
		24.3	-6.68	25.49	-286.20	-2.20	.49	17.52	-.03	-.12		.02	.02	.006
		32.4	-6.68	72.80	-72.27	-2.20	.49	17.52	-.03	-.04		.02	.02	.003
1011- 911	P3- 1	0.0	-98.07	1027.46	531.48	1.66	-3.27	-18.36	-.39	-.48		.03	.05	.040
		8.1	-98.07	708.82	370.37	1.66	-3.27	-18.36	-.39	-.33		.03	.03	.033
		16.2	-98.07	390.18	209.26	1.66	-3.27	-18.36	-.39	-.18		.03	.03	.027
		24.3	-98.07	71.53	48.16	1.66	-3.27	-18.36	-.39	-.04		.03	.03	.021
		32.4	-98.07	-247.11	-112.95	1.66	-3.27	-18.36	-.39	-.11		.03	.03	.024
1012- 912	P3- 1	0.0	68.71	-959.90	247.93	.21	2.95	-19.75	.35	.42		.03	.03	.034
		8.1	68.71	-672.50	277.12	.21	2.95	-19.75	.35	.30		.03	.03	.029
		16.2	68.71	-384.70	256.51	.21	2.95	-19.75	.35	.19		.03	.03	.024
		24.3	68.71	-97.10	235.50	.21	2.95	-19.75	.35	.11		.03	.03	.021
		32.4	68.71	190.49	214.69	.21	2.95	-19.75	.35	.12		.03	.03	.021
	2 2 - 1	0.0	23.62	-34.80	-18.45	.53	.17	-2.76	.62	.25		.03	.03	.039
		8.0	23.62	-23.48	-38.49	.09	.17	-2.76	.62	.25		.02	.02	.039
		16.0	23.62	-7.16	-55.45	-.15	.17	-2.76	.62	.20		.02	.02	.037
		24.0	23.62	9.16	-9.32	-.39	.17	-2.76	.62	.07		.03	.03	.032
		32.0	23.62	25.48	39.91	-.63	.17	-2.76	.62	.26		.04	.04	.040
			-22.08	36.93	-24.95	.21	-.13	-8.15	-.58	-.25		.04	.04	.051
			-22.09	24.13	-37.02	.04	-.13	-8.15	-.58	-.25		.03	.03	.051
			-22.10	11.33	-51.89	-.14	-.13	-8.15	-.58	-.19		.03	.03	.049
			-22.11	-1.46	-9.58	-.32	-.13	-8.15	-.58	-.05		.04	.04	.043
			-22.12	-14.26	29.92	-.50	-.13	-8.15	-.58	-.19		.05	.05	.049

AD-A165 651 FATIGUE ANALYSIS EAST COAST AIR COMBAT MANEUVERING RANGE OFFSHORE KITTY H.. (U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-100 CHES/NAVFAC-FPO-7616 5/6

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
1002-1003	200- 1	0.0	-.94	-16.69	27.48	.53	.12	9.43	-.02	-.18		.05	.05	.009
		8.0	-.94	-5.47	-11.75	.29	.12	9.43	-.02	-.07		.04	.04	.005
		16.0	-.94	5.75	-27.88	.05	.12	9.43	-.02	-.16		.03	.03	.008
		24.0	-.94	16.97	-20.91	-.19	.12	9.43	-.02	-.15		.04	.04	.008
		32.0	-.94	28.19	9.15	-.43	.12	9.43	-.02	-.17		.05	.05	.009
1002-1004	140- 1	0.0	.03	24.54	.43	.00	-.13	-3.81	.00	.46		.05	.05	.019
		8.0	.03	11.88	.28	.00	-.13	-3.81	.00	.22		.05	.05	.009
		16.0	.03	-.78	-.08	.00	-.13	-3.81	.00	.01		.05	.05	.001
		24.0	.03	-13.44	-.44	.00	-.13	-3.81	.00	.25		.05	.05	.011
		32.0	.03	-26.10	-.79	.00	-.13	-3.81	.00	.49		.05	.05	.021
1002-1005	140- 1	0.0	2.49	16.45	13.01	.21	-.06	1.62	.16	.39		.04	.04	.024
		8.0	2.52	10.44	-2.28	.10	-.06	1.62	.16	.20		.03	.03	.016
		16.0	2.55	4.44	-7.05	-.01	-.06	1.62	.16	.16		.02	.02	.014
		24.0	2.58	-1.56	-1.30	-.11	-.06	1.62	.16	.04		.03	.03	.009
		32.0	2.61	-7.56	14.97	-.22	-.06	1.62	.16	.31		.04	.04	.021
1003-1005	200- 1	0.0	-24.67	54.22	37.95	.13	-.25	-2.18	-.65	-.39		.02	.02	.062
		8.0	-24.67	35.46	25.13	.13	-.25	-2.18	-.65	-.24		.02	.02	.056
		16.0	-24.67	11.70	12.30	.13	-.25	-2.18	-.65	-.09		.02	.02	.050
		24.0	-24.67	-12.06	-.53	.13	-.25	-2.18	-.65	-.07		.02	.02	.048
		32.0	-24.67	-35.82	-13.35	.13	-.25	-2.18	-.65	-.21		.02	.02	.055
1004-1005	140- 1	0.0	-2.45	-16.65	9.56	.16	.07	2.52	-.15	-.36		.04	.04	.024
		8.0	-2.45	-10.35	-1.62	.08	.07	2.52	-.15	-.20		.04	.04	.017
		16.0	-2.45	-4.04	-5.09	.00	.07	2.52	-.15	-.12		.03	.03	.014
		24.0	-2.45	2.26	-.87	-.08	.07	2.52	-.15	-.05		.04	.04	.011
		32.0	-2.45	8.56	11.06	-.16	.07	2.52	-.15	-.26		.05	.05	.020
1004-1006	200- 1	0.0	3.22	18.24	14.66	.34	-.12	7.63	.08	.15		.04	.04	.010
		8.0	3.21	8.79	-9.56	.20	-.12	7.63	.08	.07		.03	.03	.007
		16.0	3.20	-4.65	-20.61	.03	-.12	7.63	.08	.12		.03	.03	.009
		24.0	3.19	-16.10	-14.48	-.15	-.12	7.63	.08	.12		.03	.03	.009
		32.0	3.18	-27.59	8.84	-.33	-.12	7.63	.08	.16		.04	.04	.011
1005-1006	200- 1	0.0	21.82	24.53	10.44	.10	-.22	-.35	.57	.15		.01	.01	.033
		8.0	21.82	5.84	.54	.10	-.22	-.35	.57	.02		.01	.01	.027
		16.0	21.82	-10.84	-9.36	.10	-.22	-.35	.57	.11		.01	.01	.031
		24.0	21.82	-37.53	-19.26	.10	-.22	-.35	.57	.24		.01	.01	.036
		32.0	21.82	-58.21	-29.17	.10	-.22	-.35	.57	.36		.01	.01	.042

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
101- 102 W18- 1		0.0	.06	.25	6.89	.06	-.01	-.00	.00	.00	.64	.01	.00	.030
		3.6	.06	-.04	4.43	.06	-.01	-.00	.00	-.00	.41	.01	.00	.019
		7.3	.06	-.32	1.97	.06	-.01	-.00	.00	-.00	.18	.01	.00	.009
		10.9	.06	-.59	-.49	.06	-.01	-.00	.00	-.01	-.05	.01	.00	.003
		14.5	.06	-.86	-2.94	.06	-.01	-.00	.00	-.01	-.27	.01	.00	.013
101- 104 W18- 1		0.0	-.03	-.27	6.94	.06	.00	.00	-.00	-.00	.65	.01	.00	.030
		3.6	-.03	-.11	4.44	.06	.00	.00	-.00	-.00	.41	.01	.00	.019
		7.2	-.03	.04	1.95	.06	.00	.00	-.00	.00	.18	.01	.00	.009
		10.9	-.03	.20	-.54	.06	.00	.00	-.00	.00	-.05	.01	.00	.003
		14.5	-.03	.35	-3.03	.06	.00	.00	-.00	.00	-.28	.01	.00	.013
101- 201 DKL- 1		0.0	-.00	.23	.09	-.10	.11	13.83	-.00	-.00		.01	.01	.000
		3.8	-.00	5.21	4.41	-.10	.11	13.83	-.00	-.01		.01	.01	.000
		7.5	-.00	10.19	8.73	-.10	.11	13.83	-.00	-.02		.01	.01	.001
		11.3	-.00	15.16	13.05	-.10	.11	13.83	-.00	-.03		.01	.01	.001
		15.0	-.00	20.14	17.37	-.10	.11	13.83	-.00	-.04		.01	.01	.002
102- 103 W18- 1		0.0	.12	-.86	-2.55	-.04	-.01	.00	.01	-.01	-.24	.00	.00	.012
		3.6	.12	-1.16	-.88	-.04	-.01	.00	.01	-.01	-.08	.00	.00	.005
		7.3	.12	-1.45	.80	-.04	-.01	.00	.01	-.02	.07	.00	.00	.004
		10.9	.12	-1.75	2.47	-.04	-.01	.00	.01	-.02	.23	.00	.00	.012
		14.5	.12	-2.04	4.15	-.04	-.01	.00	.01	-.02	.39	.00	.00	.019
102- 104 W08- 1		0.0	.00	-.00	-.44	-.00	.00	-.00	.00	-.00	-.08	.00	.00	.004
		3.6	.00	.01	-.22	-.00	.00	-.00	.00	.00	-.04	.00	.00	.002
		7.2	.00	.01	-.01	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.02	.20	-.00	.00	-.00	.00	.00	.04	.00	.00	.002
		14.5	.00	.03	.42	-.00	.00	-.00	.00	.00	.07	.00	.00	.004
102- 105 W08- 1		0.0	-.11	-.00	.05	.00	.00	.00	-.02	-.00	.01	.00	.00	.002
		3.6	-.11	.01	-.10	.00	.00	.00	-.02	.00	-.02	.00	.00	.002
		7.2	-.11	.03	-.24	.00	.00	.00	-.02	.00	-.04	.00	.00	.003
		10.9	-.11	.04	-.39	.00	.00	.00	-.02	.00	-.07	.00	.00	.005
		14.5	-.11	.06	-.54	.00	.00	.00	-.02	.00	-.10	.00	.00	.006
103- 105 W18- 1		0.0	.06	-1.24	-3.10	-.02	.01	-.00	.00	-.01	-.29	.00	.00	.014
		3.6	.06	-.97	-2.22	-.02	.01	-.00	.00	-.01	-.21	.00	.00	.010
		7.2	.06	-.69	-1.34	-.02	.01	-.00	.00	-.01	-.12	.00	.00	.006
		10.9	.06	-.42	-.45	-.02	.01	-.00	.00	-.00	-.04	.00	.00	.002
		14.5	.06	-.15	.43	-.02	.01	-.00	.00	-.00	.04	.00	.00	.002
103- 203 DKL- 1		0.0	.01	1.08	2.66	.17	-.01	-7.25	.00	.00		.01	.01	.000
		3.8	.01	.84	-4.90	.17	-.01	-7.25	.00	.01		.01	.01	.000
		7.5	.01	.60	-12.46	.17	-.01	-7.25	.00	.02		.01	.01	.001
		11.3	.01	.37	-20.03	.17	-.01	-7.25	.00	.03		.01	.01	.001
		15.0	.01	.13	-27.59	.17	-.01	-7.25	.00	.04		.01	.01	.002

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
104- 105 #06- 1		0.0	.11	-.03	.09	.00	-.00	.00	.01	-.00	.02	.00	.00	.001
		3.6	.11	-.03	-.07	.00	-.00	.00	.01	-.00	-.01	.00	.00	.001
		7.3	.11	-.04	-.23	.00	-.00	.00	.01	-.00	-.04	.00	.00	.003
		10.9	.11	-.05	-.40	.00	-.00	.00	.01	-.00	-.07	.00	.00	.004
		14.5	.11	-.06	-.56	.00	-.00	.00	.01	-.00	-.10	.00	.00	.005
104- 106 #16- 1		0.0	-.08	.38	-2.70	-.04	.00	.00	-.00	.00	-.25	.00	.00	.012
		3.6	-.08	.55	-.88	-.04	.00	.00	-.00	.01	-.08	.00	.00	.004
		7.3	-.08	.72	.94	-.04	.00	.00	-.00	.01	.09	.00	.00	.005
		10.9	-.08	.89	2.76	-.04	.00	.00	-.00	.01	.26	.00	.00	.013
		14.5	-.08	1.06	4.58	-.04	.00	.00	-.00	.01	.43	.00	.00	.021
105- 106 #16- 1		0.0	-.05	-.09	-.66	-.02	.01	-.00	-.00	-.00	-.06	.00	.00	.003
		3.6	-.05	.19	.40	-.02	.01	-.00	-.00	.00	.04	.00	.00	.002
		7.3	-.05	.48	1.46	-.02	.01	-.00	-.00	.01	.14	.00	.00	.007
		10.9	-.05	.76	2.51	-.02	.01	-.00	-.00	.01	.23	.00	.00	.011
		14.5	-.05	1.04	3.57	-.02	.01	-.00	-.00	.01	.33	.00	.00	.016
106- 206 DBL- 1		0.0	.03	3.64	2.31	-.08	-.20	-11.64	.00	.01		.01	.01	.000
		3.8	.03	-5.24	5.71	-.08	-.20	-11.64	.00	.01		.01	.01	.001
		7.5	.03	-14.32	9.12	-.08	-.20	-11.64	.00	.03		.01	.01	.001
		11.3	.03	-23.40	12.52	-.08	-.20	-11.64	.00	.04		.01	.01	.002
		15.0	.03	-32.48	15.92	-.08	-.20	-11.64	.00	.06		.01	.01	.002
201- 202 #16- 1		0.0	2.23	.70	7.28	.06	-.00	-.00	.14	.01	.68	.01	.00	.036
		3.6	2.23	.53	4.67	.06	-.00	-.00	.14	.01	.44	.01	.00	.027
		7.3	2.23	.35	2.06	.06	-.00	-.00	.14	.00	.19	.01	.00	.015
		10.9	2.23	.18	-.56	.06	-.00	-.00	.14	.00	-.05	.01	.00	.009
		14.5	2.23	.01	-3.17	.06	-.00	-.00	.14	.00	-.30	.01	.00	.020
201- 204 #16- 1		0.0	-.34	.59	7.41	.06	-.01	-.00	-.02	.00	.69	.01	.00	.033
		3.6	-.34	.16	4.73	.06	-.01	-.00	-.02	.00	.44	.01	.00	.022
		7.2	-.34	-.07	2.04	.06	-.01	-.00	-.02	-.00	.19	.01	.00	.010
		10.9	-.34	-.30	-.65	.06	-.01	-.00	-.02	-.00	-.06	.01	.00	.004
		14.5	-.34	-.53	-3.33	.06	-.01	-.00	-.02	-.01	-.31	.01	.00	.016
201- 301 DBL- 1		0.0	1.24	15.64	19.74	.24	.62	64.46	.01	.04		.06	.06	.002
		3.8	1.24	43.44	8.79	.24	.62	64.46	.01	.07		.06	.06	.004
		7.5	1.24	71.24	-2.15	.24	.62	64.46	.01	.11		.06	.06	.005
		11.3	1.24	99.05	-13.10	.24	.62	64.46	.01	.16		.06	.06	.007
		15.0	1.24	126.85	-24.04	.24	.62	64.46	.01	.20		.06	.06	.009
201- 303 120- 1		0.0	-2.77	-2.75	18.12	.03	.02	-1.39	-.14	-.32		.02	.02	.022
		8.2	-2.77	-.49	15.52	.03	.02	-1.39	-.14	-.27		.02	.02	.020
		16.3	-2.77	1.75	12.92	.03	.02	-1.39	-.14	-.23		.02	.02	.019
		24.5	-2.77	4.00	10.32	.03	.02	-1.39	-.14	-.20		.02	.02	.017
		32.4	-2.77	6.24	7.72	.03	.02	-1.39	-.14	-.17		.02	.02	.016

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7 DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT Z IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
202- 203 W18- 1		0.0	2.29	.05	-2.75	-.04	-.00	-.00	.14	.00	-.24	.00	.00	.016
		3.6	2.29	-.12	-.96	-.04	-.00	-.00	.14	-.00	-.09	.00	.00	.011
		7.3	2.29	-.29	.83	-.04	-.00	-.00	.14	-.00	.08	.00	.00	.010
		10.9	2.29	-.46	2.62	-.04	-.00	-.00	.14	-.01	.24	.00	.00	.018
		14.5	2.29	-.63	4.41	-.04	-.00	-.00	.14	-.01	.41	.00	.00	.026
202- 204 W08- 1		0.0	.00	.04	-.48	-.01	-.00	.00	.00	.00	-.09	.00	.00	.004
		3.6	.00	.03	-.24	-.01	-.00	.00	.00	.00	-.04	.00	.00	.002
		7.2	.00	.02	-.01	-.01	-.00	.00	.00	.00	-.00	.00	.00	.000
		10.9	.00	.01	.23	-.01	-.00	.00	.00	.00	.04	.00	.00	.002
		14.5	.00	.00	.46	-.01	-.00	.00	.00	.00	.08	.00	.00	.004
202- 205 W08- 1		0.0	-.12	-.04	.06	.00	.00	.00	-.02	-.00	.01	.00	.00	.002
		3.6	-.12	-.03	-.10	.00	.00	.00	-.02	-.00	-.02	.00	.00	.002
		7.2	-.12	-.03	-.27	.00	.00	.00	-.02	-.00	-.05	.00	.00	.004
		10.9	-.12	-.02	-.44	.00	.00	.00	-.02	-.00	-.08	.00	.00	.005
		14.5	-.12	-.02	-.60	.00	.00	.00	-.02	-.00	-.11	.00	.00	.006
203- 205 W18- 1		0.0	.52	.41	-3.39	-.02	-.00	-.00	.03	.00	-.32	.00	.00	.016
		3.6	.52	.26	-2.41	-.02	-.00	-.00	.03	.00	-.22	.00	.00	.012
		7.2	.52	.10	-1.42	-.02	-.00	-.00	.03	.00	-.13	.00	.00	.008
		10.9	.52	-.05	-.44	-.02	-.00	-.00	.03	-.00	-.04	.00	.00	.003
		14.5	.52	-.20	.54	-.02	-.00	-.00	.03	-.00	.05	.00	.00	.004
205- 303 DRL- 1		0.0	2.00	-3.65	-14.62	.95	2.93	-34.76	.02	.02		.09	.09	.002
		3.6	2.00	128.09	-57.55	.95	2.93	-34.76	.02	.22		.09	.09	.010
		7.5	2.00	259.84	-100.48	.95	2.93	-34.76	.02	.44		.09	.09	.019
		11.3	2.00	391.58	-143.40	.95	2.93	-34.76	.02	.65		.09	.09	.028
		15.0	2.00	525.33	-186.33	.95	2.93	-34.76	.02	.87		.09	.09	.038
205- 306 120- 1		0.0	-4.26	-3.30	-23.24	-.12	.03	-2.12	-.22	-.41		.03	.03	.031
		4.2	-4.26	-.68	-11.73	-.12	.03	-2.12	-.22	-.21		.03	.03	.022
		10.3	-4.26	1.95	-.17	-.12	.03	-2.12	-.22	.03		.03	.03	.015
		24.5	-4.26	4.57	11.39	-.12	.03	-2.12	-.22	.03		.03	.03	.023
		32.6	-4.26	7.20	22.95	-.12	.03	-2.12	-.22	-.42		.03	.03	.032
204- 205 W08- 1		0.0	.11	-.00	.10	.00	.00	-.00	.02	-.00	.02	.00	.00	.002
		3.6	.11	.00	-.08	.00	.00	-.00	.02	.00	-.01	.00	.00	.001
		7.3	.11	.01	-.26	.00	.00	-.00	.02	.00	-.05	.00	.00	.003
		10.9	.11	.01	-.44	.00	.00	-.00	.02	.00	-.08	.00	.00	.004
		14.5	.11	.02	-.62	.00	.00	-.00	.02	.00	-.11	.00	.00	.006
204- 206 W18- 1		0.0	-.39	-.55	-2.97	-.05	-.01	-.00	-.02	-.01	-.28	.01	.00	.014
		3.6	-.39	-.78	-.99	-.05	-.01	-.00	-.02	-.01	-.09	.01	.00	.006
		7.3	-.39	-1.02	.94	-.05	-.01	-.00	-.02	-.01	.09	.01	.00	.006
		10.9	-.39	-1.27	2.97	-.05	-.01	-.00	-.02	-.01	.28	.01	.00	.015
		14.5	-.39	-1.51	4.94	-.05	-.01	-.00	-.02	-.02	.44	.01	.00	.023

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
205- 206 W16- 1		0.0	.39	-.22	-.68	-.03	-.00	.00	.02	-.00	-.06	.00	.00	.004
		3.6	.39	-.36	.44	-.03	-.00	.00	.02	-.00	.08	.00	.00	.003
		7.3	.39	-.51	1.57	-.03	-.00	.00	.02	-.01	.15	.00	.00	.008
		10.9	.39	-.65	2.69	-.03	-.00	.00	.02	-.01	.25	.00	.00	.013
		14.5	.39	-.79	3.81	-.03	-.00	.00	.02	-.01	.36	.00	.00	.018
205- 301 120- 1		0.0	3.28	1.13	-.50	.06	-.01	4.49	.17	.02		.05	.05	.009
		8.2	3.28	-.09	-6.39	.06	-.01	4.49	.17	.11		.05	.05	.013
		16.3	3.28	-1.31	-12.28	.06	-.01	4.49	.17	.22		.05	.05	.017
		24.5	3.28	-2.52	-18.17	.06	-.01	4.49	.17	.32		.05	.05	.021
		32.6	3.28	-3.74	-24.06	.06	-.01	4.49	.17	.43		.05	.05	.026
206- 306 UNL- 1		0.0	-1.48	-31.63	18.97	.97	2.29	-22.90	-.02	-.06		.07	.07	.003
		3.8	-1.48	71.56	-24.81	.97	2.29	-22.90	-.02	-.12		.07	.07	.006
		7.5	-1.48	174.74	-68.58	.97	2.29	-22.90	-.02	-.29		.07	.07	.013
		11.3	-1.48	277.92	-112.36	.97	2.29	-22.90	-.02	-.47		.07	.07	.021
		15.0	-1.48	381.10	-156.14	.97	2.29	-22.90	-.02	-.64		.07	.07	.028
301- 303 125- 1		0.0	-4.65	-3.75	32.78	.10	.03	2.85	-.24	-.58		.04	.04	.039
		7.3	-4.65	-.91	24.09	.10	.03	2.85	-.24	-.42		.04	.04	.032
		14.5	-4.65	1.93	15.39	.10	.03	2.85	-.24	-.27		.04	.04	.026
		21.7	-4.65	4.77	6.69	.10	.03	2.85	-.24	-.14		.04	.04	.020
		29.0	-4.65	7.62	-2.01	.10	.03	2.85	-.24	-.14		.04	.04	.020
301- 306 125- 1		0.0	-4.46	-12.05	28.42	.07	.08	-.16	-.23	-.54		.01	.01	.037
		7.2	-4.46	-4.95	22.08	.07	.08	-.16	-.23	-.40		.01	.01	.030
		14.5	-4.46	2.15	15.74	.07	.08	-.16	-.23	-.28		.01	.01	.025
		21.7	-4.46	9.25	9.41	.07	.08	-.16	-.23	-.23		.01	.01	.023
		29.0	-4.46	16.35	3.07	.07	.08	-.16	-.23	-.29		.01	.01	.026
301- 401 UNL- 1		0.0	-3.83	311.24	99.92	.08	.21	-17.32	-.04	-.51		.02	.02	.024
		7.1	-3.83	329.55	93.02	.08	.21	-17.32	-.04	-.54		.02	.02	.025
		14.2	-3.83	347.86	86.12	.08	.21	-17.32	-.04	-.56		.02	.02	.026
		21.4	-3.83	182.71	-26.68	2.79	-4.47	-17.32	-.04	-.29		.13	.13	.014
		28.5	-3.83	-398.62	-381.04	5.45	-9.05	-17.32	-.04	-.86		.25	.25	.038
303- 306 125- 1		0.0	5.24	-18.14	-31.26	-.18	.10	1.19	.27	.68		.03	.03	.039
		7.2	5.24	-9.68	-15.45	-.18	.10	1.19	.27	.32		.03	.03	.026
		14.5	5.24	-1.22	.36	-.18	.10	1.19	.27	.02		.03	.03	.014
		21.7	5.24	7.24	16.16	-.18	.10	1.19	.27	.31		.03	.03	.026
		29.0	5.24	15.71	31.97	-.18	.10	1.19	.27	.63		.03	.03	.039
303- 403 UNL- 1		0.0	.77	544.80	-192.15	-3.37	-1.64	-71.50	.01	.90		.14	.14	.038
		7.1	.77	404.30	95.69	-3.37	-1.64	-71.50	.01	.65		.14	.14	.028
		14.2	.77	263.05	383.10	-3.18	-1.96	-71.50	.01	.73		.14	.14	.031
		21.4	.77	-139.01	520.65	-.11	-7.33	-71.50	.01	.84		.22	.22	.036
		28.5	.77	-969.32	411.94	2.59	-11.99	-71.50	.01	1.65		.33	.33	.070

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306- 406	DKL- 1	0.0	-3.64	410.08	-144.46	-2.19	-.49	-79.31	-.04	-.68		.11	.11	.031
		7.1	-3.64	368.00	42.59	-2.19	-.49	-79.31	-.04	-.58		.11	.11	.026
		14.2	-3.64	325.92	229.65	-2.19	-.49	-79.31	-.04	-.62		.11	.11	.028
		21.4	-3.64	214.48	376.48	-.59	-3.25	-79.31	-.04	-.68		.13	.13	.031
		28.5	-3.64	-249.57	519.00	1.07	-7.51	-79.31	-.04	-.63		.23	.23	.029
401- 501	JL4- 1	0.0	-16.12	-55.92	40.57	-25.17	-3.14	128.24	-.06	-.02		.22	.22	.004
		1.1	-16.12	-96.74	393.74	-26.44	-3.12	128.24	-.06	-.14		.23	.23	.009
		2.3	-16.12	-141.21	764.13	-27.68	-3.09	128.24	-.06	-.27		.24	.24	.014
		3.4	-16.11	-183.33	1151.38	-28.90	-3.06	128.24	-.06	-.41		.25	.25	.020
		4.6	-16.11	-225.05	1555.18	-30.09	-3.03	128.24	-.06	-.55		.26	.26	.026
401- 510	P1- 1	0.0	12.32	-71.84	491.35	14.62	3.63	-56.98	.06	.23		.15	.15	.012
		1.1	12.32	-22.01	290.81	14.62	3.63	-56.98	.06	.14		.15	.15	.006
		2.3	12.32	27.83	90.27	14.62	3.63	-56.98	.06	.04		.15	.15	.004
		3.4	12.32	77.67	-110.27	14.62	3.63	-56.98	.06	.06		.15	.15	.005
		4.6	12.32	127.50	-310.81	14.62	3.63	-56.98	.06	.16		.15	.15	.009
403- 503	JL4- 1	0.0	-665.81	-47.01	-556.23	15.52	17.39	-51.09	-2.62	-.20		.19	.19	.130
		1.1	-665.80	198.66	-770.09	15.95	18.50	-51.09	-2.62	-.28		.20	.20	.134
		2.3	-665.80	459.35	-992.29	16.53	19.59	-51.09	-2.62	-.39		.21	.21	.136
		3.4	-665.80	734.77	-1222.64	17.12	20.65	-51.09	-2.62	-.50		.22	.22	.143
		4.6	-665.80	1024.62	-1460.94	17.69	21.69	-51.09	-2.62	-.63		.23	.23	.148
403- 511	P1- 1	0.0	672.95	599.24	-770.81	-3.42	1.91	184.02	3.04	.46		.08	.08	.160
		1.1	672.95	625.50	-725.86	-3.42	1.91	184.02	3.04	.45		.08	.08	.160
		2.3	672.95	651.76	-676.92	-3.42	1.91	184.02	3.04	.44		.08	.08	.159
		3.4	672.95	678.02	-629.97	-3.42	1.91	184.02	3.04	.43		.08	.08	.159
		4.6	672.95	704.28	-583.02	-3.42	1.91	184.02	3.04	.43		.08	.08	.159
406- 506	JL4- 1	0.0	695.05	7.97	223.93	5.74	-11.34	-209.60	2.73	.08		.14	.14	.130
		1.1	695.05	-154.59	141.17	6.36	-12.41	-209.60	2.73	.07		.15	.15	.130
		2.3	695.05	-331.75	49.98	6.97	-13.47	-209.60	2.73	.12		.16	.16	.132
		3.4	695.05	-523.24	-49.49	7.57	-14.51	-209.60	2.73	.19		.17	.17	.134
		4.6	695.04	-728.76	-157.07	8.15	-15.52	-209.60	2.73	.26		.17	.17	.138
406- 512	P1- 1	0.0	-699.87	-257.55	103.83	-3.86	4.27	183.78	-3.16	-.13		.10	.10	.153
		1.1	-699.87	-198.95	156.81	-3.86	4.27	183.78	-3.16	-.12		.10	.10	.153
		2.3	-699.87	-140.35	209.79	-3.86	4.27	183.78	-3.16	-.12		.10	.10	.152
		3.4	-699.87	-81.75	262.76	-3.86	4.27	183.78	-3.16	-.13		.10	.10	.153
		4.6	-699.87	-23.16	315.74	-3.86	4.27	183.78	-3.16	-.15		.10	.10	.154
501- 502	105- 1	0.0	12.47	17.50	180.52	-.03	-.04	-20.35	.41	1.62		.09	.09	.087
		3.8	12.47	14.02	159.58	.95	-.10	-20.35	.41	1.43		.15	.15	.079
		7.6	12.47	8.16	93.88	1.94	-.15	-20.35	.41	.84		.22	.22	.055
		11.4	12.47	.57	-16.57	2.92	-.18	-20.35	.41	.15		.29	.29	.025
		15.1	12.47	-7.87	-171.78	3.91	-.19	-20.35	.41	1.54		.35	.35	.084

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACAN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FY KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
501- 504	105- 1	0.0	-64.31	-128.71	180.99	.17	.98	-.72	-2.13	-1.99		.07	.07	.202
		3.8	-64.32	-86.11	151.18	1.14	.89	-.72	-2.13	-1.56		.10	.10	.174
		7.6	-64.33	-47.81	77.40	2.11	.79	-.72	-2.13	-.81		.15	.15	.152
		11.4	-64.34	-14.84	-40.35	3.08	.67	-.72	-2.13	-.38		.21	.21	.134
		15.1	-64.35	12.43	-202.08	4.04	.52	-.72	-2.13	-1.81		.27	.27	.194
501- 601	JL5- 1	0.0	-53.91	-245.19	993.40	31.66	7.15	225.41	-.38	-.64		.52	.52	.045
		1.5	-53.90	-114.46	430.09	30.10	7.18	225.41	-.38	-.28		.50	.50	.029
		3.0	-53.90	16.45	-105.13	28.58	7.22	225.41	-.38	-.07		.48	.48	.020
		4.6	-53.89	149.02	-612.99	27.10	7.26	225.41	-.38	-.40		.46	.46	.034
		6.1	-53.89	241.74	-1094.19	25.66	7.29	225.41	-.38	-.71		.44	.44	.047
501- 622	200- 1	0.0	66.72	248.26	-464.86	-6.21	-2.98	-26.04	1.75	2.94		.43	.43	.205
		5.1	66.72	79.48	-130.76	-4.72	-2.46	-26.04	1.75	.86		.35	.35	.117
		10.2	66.73	-54.35	115.74	-3.28	-1.91	-26.04	1.75	.71		.27	.27	.111
		15.3	66.73	-153.51	272.11	-1.91	-1.33	-26.04	1.75	1.75		.20	.20	.155
		20.4	66.73	-217.82	348.78	-.61	-.77	-26.04	1.75	2.30		.12	.12	.178
502- 503	105- 1	0.0	19.30	-5.75	-111.26	-2.76	-.51	14.87	.64	1.00		.25	.25	.072
		3.8	19.30	-27.02	-4.17	-1.78	-.51	14.87	.64	.25		.19	.19	.040
		7.6	19.30	-49.56	50.17	-.79	-.48	14.87	.64	.63		.13	.13	.056
		11.4	19.30	-70.46	63.76	.19	-.44	14.87	.64	.85		.10	.10	.065
		15.1	19.30	-88.82	32.58	1.18	-.37	14.87	.64	.85		.15	.15	.065
502- 504	105- 1	0.0	1.16	-16.09	-11.74	-.10	.11	5.36	.10	.67		.11	.11	.033
		3.8	1.16	-9.60	-7.51	-.10	.17	5.36	.10	.41		.12	.12	.022
		7.6	1.16	-1.30	-2.87	-.10	.21	5.36	.10	.11		.13	.13	.009
		11.4	1.16	8.92	1.56	-.10	.24	5.36	.10	.30		.13	.13	.017
		15.2	1.16	20.37	5.99	-.10	.26	5.36	.10	.71		.14	.14	.034
502- 505	105- 1	0.0	-9.69	-19.88	-48.78	-1.52	.22	-2.79	-.81	-1.76		.31	.31	.118
		3.8	-9.68	-10.82	2.78	-.74	.18	-2.79	-.81	-.37		.18	.18	.050
		7.6	-9.66	-3.42	18.88	.04	.13	-2.79	-.81	-.64		.07	.07	.071
		11.4	-9.65	.40	-.46	.82	.06	-2.79	-.81	-.02		.18	.18	.045
		15.2	-9.64	1.71	-55.26	1.59	-.01	-2.79	-.81	-1.85		.31	.31	.122
503- 505	105- 1	0.0	42.01	-142.56	-101.69	-.60	.62	-12.19	1.39	1.57		.11	.11	.130
		3.8	42.01	-111.97	-74.22	-.60	.73	-12.19	1.39	1.20		.12	.12	.115
		7.6	42.01	-76.23	-46.75	-.60	.84	-12.19	1.39	.80		.12	.12	.098
		11.4	42.01	-35.32	-19.28	-.60	.96	-12.19	1.39	.36		.13	.13	.080
		15.1	42.01	10.25	8.18	-.60	1.05	-12.19	1.39	.12		.13	.13	.069
503- 603	JL5- 1	0.0	-550.97	1127.33	-1240.59	-22.80	-17.86	-391.48	-3.85	-1.05		.53	.53	.223
		1.5	-550.97	813.03	-931.41	-22.05	-16.51	-391.48	-3.85	-.73		.51	.51	.209
		3.0	-550.97	524.71	-635.70	-21.33	-15.19	-391.48	-3.85	-.43		.49	.49	.196
		4.6	-550.97	259.26	-353.07	-20.62	-13.91	-391.48	-3.85	-.17		.47	.47	.186
		6.1	-550.97	18.92	516.43	-19.93	-12.66	-391.48	-3.85	-.20		.45	.45	.187

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 625	200- 1	0.0	-142.57	-376.14	-201.48	-1.03	3.64	-16.97	-3.75	-2.39		.25	.25	.274
		5.1	-142.58	-174.57	-141.59	-.94	2.99	-16.97	-3.75	-1.26		.21	.21	.233
		10.1	-142.58	-13.29	-86.89	-.86	2.31	-16.97	-3.75	-.49		.18	.18	.205
		15.2	-142.58	106.07	-37.02	-.78	1.61	-16.97	-3.75	-.63		.14	.14	.210
		20.3	-142.57	181.86	8.34	-.71	.88	-16.97	-3.75	-1.02		.11	.11	.224
504- 505	105- 1	0.0	8.32	6.19	-55.06	-1.58	.17	-2.51	.70	1.19		.27	.27	.082
		5.8	8.32	10.80	10.26	-.62	.03	-2.51	.70	.50		.15	.15	.053
		7.6	8.32	9.57	21.11	.14	-.09	-2.51	.70	.77		.07	.07	.065
		11.4	8.32	2.78	-2.52	.90	-.20	-2.51	.70	.13		.20	.20	.058
		15.2	8.32	-8.12	-60.65	1.66	-.28	-2.51	.70	2.05		.32	.32	.118
504- 506	105- 1	0.0	-69.20	17.04	-101.03	-3.50	.61	26.23	-2.29	-1.45		.35	.35	.188
		5.8	-69.21	41.03	-23.96	-2.54	.45	26.23	-2.29	-.43		.29	.29	.145
		7.6	-69.21	57.27	69.69	-1.59	.27	26.23	-2.29	-.81		.22	.22	.161
		11.4	-69.22	64.90	120.52	-.65	.07	26.23	-2.29	-1.23		.16	.16	.179
		15.2	-69.21	63.06	169.16	.27	-.15	26.23	-2.29	-1.29		.14	.14	.191
505- 506	105- 1	0.0	30.22	10.57	-107.70	-1.75	.76	-6.78	1.00	.97		.16	.16	.067
		5.8	30.22	46.49	-28.06	-1.75	.82	-6.78	1.00	.49		.16	.16	.067
		7.6	30.22	64.63	51.58	-1.75	.86	-6.78	1.00	.89		.16	.16	.084
		11.4	30.22	124.49	131.21	-1.75	.89	-6.78	1.00	1.62		.16	.16	.115
		15.2	30.22	165.36	210.85	-1.75	.90	-6.78	1.00	2.40		.16	.16	.147
506- 606	JLS- 1	0.0	644.74	-121.05	87.49	-3.96	10.45	-43.42	4.51	.09		.17	.17	.213
		1.5	644.75	57.54	152.69	-3.19	9.12	-43.42	4.51	.10		.15	.15	.213
		3.0	644.75	212.23	204.08	-2.44	7.83	-43.42	4.51	.18		.13	.13	.217
		4.6	644.75	343.69	242.00	-1.71	6.58	-43.42	4.51	.26		.11	.11	.220
		6.1	644.75	452.56	266.80	-1.01	5.36	-43.42	4.51	.33		.09	.09	.223
506- 624	200- 1	0.0	68.11	216.85	601.44	6.98	-1.63	35.07	2.32	3.58		.48	.48	.258
		5.1	68.10	123.49	224.66	5.44	-1.43	35.07	2.32	1.43		.39	.39	.166
		10.1	68.10	43.25	-60.54	3.97	-1.20	35.07	2.32	.42		.32	.32	.125
		15.2	68.09	-22.17	-254.62	2.57	-.95	35.07	2.32	1.45		.24	.24	.168
		20.2	68.10	-72.24	-373.22	1.22	-.70	35.07	2.32	2.13		.17	.17	.197
510- 710	P1- 1	0.0	12.34	129.49	-510.03	8.11	1.80	-50.76	.06	.16		.09	.09	.009
		6.3	12.34	266.66	-925.67	8.11	1.80	-50.76	.06	.45		.09	.09	.022
		12.7	12.34	403.82	-1543.32	8.11	1.80	-50.76	.06	.75		.09	.09	.034
		19.0	12.34	540.98	-2159.96	8.11	1.80	-50.76	.06	1.04		.09	.09	.046
		25.3	12.34	678.15	-2776.60	8.11	1.80	-50.76	.06	1.34		.09	.09	.059
511- 711	P1- 1	0.0	672.97	700.63	-587.34	-10.30	-10.17	183.46	-3.04	.43		.17	.17	.159
		6.3	672.97	-72.09	195.67	-10.30	-10.17	183.46	3.04	.10		.17	.17	.145
		12.7	672.97	-845.01	978.69	-10.30	-10.17	183.46	3.04	.60		.17	.17	.166
		19.0	672.97	-1617.92	1761.71	-10.30	-10.17	183.46	3.04	1.12		.17	.17	.188
		25.3	672.97	-2390.84	2544.72	-10.30	-10.17	183.46	3.04	1.63		.17	.17	.210

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLN 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	M1- 1	0.0	-699.87	-25.16	515.65	1.69	5.98	183.94	-3.16	-.15		.10	.10	.160
		6.3	-699.87	431.19	187.41	1.69	5.98	183.94	-3.16	-.22		.10	.10	.162
		12.7	-699.87	885.54	59.16	1.69	5.98	183.94	-3.16	-.42		.10	.10	.169
		19.0	-699.87	1339.89	-69.09	1.69	5.98	183.94	-3.16	-.63		.10	.10	.177
		25.3	-699.87	1794.24	-197.33	1.69	5.98	183.94	-3.16	-.84		.10	.10	.185
ERROR NO. 90 EQUILIBRIUM CHECK MEMBER 601 621			-8.4137536E-03	-.5346003		2.4461409E-02	1.6079866E-09	-8.0920700E-02	-1.810547					
601- 621	JL6- 1	0.0	-52.48	326.79	-1083.48	15.22	2.60	558.15	-.37	-.71		.39	.39	.047
		1.5	-52.50	374.80	-1348.31	13.81	2.66	558.15	-.37	-.88		.37	.37	.054
		3.0	-52.52	423.99	-1587.79	12.44	2.73	558.15	-.37	-1.03		.35	.35	.061
		4.6	-52.54	474.33	-1802.46	11.09	2.79	558.15	-.37	-1.17		.34	.34	.066
		6.1	-52.57	525.69	-1994.84	9.26	2.87	558.15	-.37	-1.30		.31	.31	.072
ERROR NO. 90 EQUILIBRIUM CHECK MEMBER 603 623			-.1317193	.2504635	.4261271	4.5110937E-10	-1.075347	.5750219						
603- 623	JL6- 1	0.0	-548.34	53.84	232.00	-12.45	-12.83	-463.94	-3.84	-.15		.40	.40	.145
		1.5	-548.68	-170.49	453.39	-11.81	-11.75	-463.94	-3.84	-.30		.38	.38	.191
		3.0	-549.00	-375.34	663.34	-11.20	-10.70	-463.94	-3.84	-.48		.36	.36	.198
		4.6	-549.32	-561.15	862.14	-10.59	-9.67	-463.94	-3.84	-.65		.35	.35	.205
		6.1	-549.75	-729.86	1050.96	-9.77	-8.25	-463.94	-3.85	-.80		.32	.32	.212
ERROR NO. 90 EQUILIBRIUM CHECK MEMBER 606 626			.1217265	.2661156	-.4027021	-2.1768756E-09	1.334546	.9128823						
606- 626	JL6- 1	0.0	644.73	452.56	266.66	-1.01	7.45	-44.29	4.51	.33		.12	.12	.223
		1.5	645.05	578.80	278.71	-.32	6.39	-44.29	4.51	.40		.10	.10	.220
		3.0	645.37	685.89	278.25	.36	5.35	-44.29	4.51	.47		.09	.09	.229
		4.6	645.68	774.28	265.54	1.03	4.34	-44.29	4.52	.51		.08	.08	.231
		6.1	646.09	845.91	241.79	1.94	2.97	-44.29	4.52	.55		.06	.06	.253
621- 651	JL6- 1	0.0	-52.57	516.57	-1994.82	9.76	2.73	560.52	-.37	-1.29		.32	.32	.072
		1.5	-52.60	565.52	-2155.72	7.88	2.66	560.52	-.37	-1.40		.29	.29	.076
		3.0	-52.62	613.57	-2282.74	6.05	2.61	560.52	-.37	-1.48		.27	.27	.080
		4.6	-52.65	660.62	-2376.76	4.27	2.55	560.52	-.37	-1.55		.25	.25	.082
		6.1	-52.67	706.65	-2438.71	2.55	2.49	560.52	-.37	-1.60		.23	.23	.084
622- 703	200- 1	0.0	66.73	-218.05	348.30	-.68	-.01	-30.25	1.75	2.30		.12	.12	.178
		5.4	66.72	-183.75	325.62	1.36	1.05	-30.25	1.75	2.09		.17	.17	.169
		10.9	66.71	-81.33	173.64	3.28	2.08	-30.25	1.75	1.07		.10	.10	.120

	21.4	66.70	373.02	-467.44	6.01	4.11	-30.25	1.75	3.28	.50	.50	.217
A23= 653 JU 21	0.0	-549.61	-733.58	1046.12	-9.52	-9.50	-466.01	-3.84	-.80	.33	.3	.212
	1.5	-549.17	-894.98	1211.93	-8.66	-8.20	-466.01	-3.84	-.95	.31	.31	.218
	3.0	-548.74	-1053.07	1362.16	-7.82	-6.94	-466.01	-3.84	-1.07	.29	.29	.223
	4.6	-548.32	-1148.50	1447.25	-6.99	-5.72	-466.01	-3.84	-1.14	.27	.27	.227
	5.1	-547.91	-1241.82	1617.49	-6.14	-4.52	-466.01	-3.83	-1.28	.25	.25	.231
B24= 701 200= 1	0.0	64.10	-72.19	-373.24	1.20	-.72	34.94	2.32	2.13	.17	.17	.197
	5.5	64.09	-100.05	-379.14	-1.00	-.12	34.94	2.32	2.19	.15	.15	.200
	11.0	64.09	-87.66	-243.95	-5.09	.49	34.94	2.32	1.45	.26	.26	.168
	16.5	64.09	-35.15	24.56	-5.06	1.11	34.94	2.32	.24	.37	.37	.117
	21.9	64.10	58.14	419.63	-6.95	1.73	34.94	2.32	2.37	.47	.47	.207

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
625- 706	200- 1	0.0	-142.57	181.86	8.41	-.63	.85	-16.87	-3.75	-1.02		.10	.10	.226
		5.5	-142.57	198.24	45.26	-.49	-.33	-16.87	-3.75	-1.14		.08	.08	.230
		11.0	-142.57	138.55	72.35	-.34	-1.49	-16.87	-3.75	-.87		.13	.13	.220
		16.4	-142.56	2.75	69.95	-.20	-2.64	-16.87	-3.75	-.50		.19	.19	.207
		21.9	-142.55	-208.70	99.41	-.09	-3.78	-16.87	-3.75	-1.29		.25	.25	.236
626- 656	JL6- 1	0.0	645.98	844.57	240.95	1.67	2.32	-43.90	4.52	.55		.05	.05	.232
		1.5	645.48	873.58	202.28	2.56	.86	-43.90	4.52	.56		.05	.05	.233
		3.0	644.99	876.30	147.66	3.42	-.56	-43.90	4.51	.56		.06	.06	.232
		4.6	644.51	853.35	77.50	4.26	-1.95	-43.90	4.51	.54		.08	.08	.231
		6.1	644.05	805.30	-7.78	5.08	-3.31	-43.90	4.51	.51		.10	.10	.230
651- 701	JL6- 1	0.0	-584.35	677.52	-2315.26	-19.11	-3.67	979.10	-.41	-1.52		.58	.58	.083
		1.8	-584.36	600.27	-1887.22	-21.06	-3.59	979.10	-.41	-1.24		.61	.61	.071
		3.5	-584.36	524.50	-1418.06	-22.98	-3.53	979.10	-.41	-.95		.63	.63	.059
		5.3	-584.37	450.08	-909.15	-24.82	-3.46	979.10	-.41	-.64		.66	.66	.046
		7.1	-584.38	377.00	-361.65	-26.60	-3.40	979.10	-.41	-.35		.68	.68	.033
653- 703	JL6- 1	0.0	-564.85	-1279.55	1695.47	8.04	5.25	-565.10	-4.09	-1.33		.30	.30	.246
		1.8	-564.85	-1192.22	1514.40	8.96	4.92	-565.10	-4.09	-1.21		.32	.32	.240
		3.5	-564.85	-1070.26	1314.17	9.84	6.53	-565.10	-4.09	-1.06		.34	.34	.234
		5.3	-564.86	-914.66	1095.43	10.70	8.08	-565.10	-4.09	-.90		.37	.37	.227
		7.1	-564.86	-726.50	858.86	11.52	9.59	-565.10	-4.09	-.71		.39	.39	.219
656- 706	JL6- 1	0.0	644.05	805.30	-7.76	5.08	-3.61	-43.90	4.51	.51		.10	.10	.230
		1.8	644.05	710.55	-126.57	6.08	-5.29	-43.90	4.51	.45		.13	.13	.228
		3.5	644.05	560.51	-266.55	7.05	-6.92	-43.90	4.51	.40		.15	.15	.225
		5.3	644.06	416.39	-426.49	7.99	-8.49	-43.90	4.51	.37		.18	.18	.224
		7.1	644.06	219.35	-606.28	8.90	-10.01	-43.90	4.51	.41		.20	.20	.226
701- 702	137- 1	0.0	45.30	56.78	63.47	-.95	-.43	-6.68	2.25	1.50		.17	.17	.167
		4.7	45.30	32.45	89.31	.03	-.43	-6.68	2.25	1.68		.10	.10	.175
		9.4	45.30	9.19	59.75	1.02	-.40	-6.68	2.25	1.07		.17	.17	.149
		14.1	45.30	-11.60	-25.29	2.00	-.34	-6.68	2.25	.49		.27	.27	.125
		18.8	43.30	-28.50	-165.74	2.99	-.26	-6.68	2.25	2.97		.37	.37	.229
701- 704	137- 1	0.0	-8.35	-25.55	63.53	-.98	.16	-11.85	-.43	-1.21		.21	.21	.080
		4.7	-8.33	-16.66	91.44	-.01	.15	-11.85	-.43	-1.64		.12	.12	.098
		9.4	-8.32	-9.30	65.03	.95	.11	-11.85	-.43	-1.16		.20	.20	.078
		14.1	-8.30	-4.58	-15.69	1.92	.05	-11.85	-.43	-.29		.30	.30	.041
		18.8	-8.29	-3.82	-150.72	2.88	-.03	-11.85	-.43	-2.66		.40	.40	.141
701- 801	JL7- 1	0.0	54.17	297.20	-448.29	10.56	-1.87	340.91	-.77	.68		.51	.51	.064
		7.1	54.14	149.12	-1051.00	3.91	-1.61	340.91	-.77	1.35		.34	.34	.092
		14.2	54.13	23.47	-1155.55	-1.83	-1.35	340.91	-.77	1.44		.28	.28	.096
		21.3	54.15	-82.03	-756.44	-6.98	-1.13	340.91	-.77	.97		.42	.42	.076
		28.4	54.18	-170.59	58.81	-11.62	-.95	340.91	-.77	.22		.55	.55	.045

STMAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT FY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
701- 800	200- 1	0.0	-105.16	-253.09	-531.71	-0.89	2.60	-28.40	-2.76	-3.30		.47	.47	.298
		12.5	-105.21	44.41	213.02	-3.08	1.36	-28.40	-2.77	-1.22		.26	.26	.217
		25.1	-105.19	156.80	418.41	.29	.16	-28.40	-2.77	-2.50		.10	.10	.267
		37.6	-105.14	94.87	142.27	3.52	-1.01	-28.40	-2.76	-.96		.26	.26	.206
		50.2	-105.10	-139.50	-564.63	6.02	-2.09	-28.40	-2.76	-3.25		.41	.41	.297
702- 703	137- 1	0.0	48.12	-26.84	-109.30	-2.51	-.02	4.50	2.50	1.98		.30	.30	.194
		4.7	48.12	-25.33	4.14	-1.53	.08	4.50	2.50	.45		.20	.20	.135
		9.4	48.12	-17.09	62.82	-.56	.19	4.50	2.50	1.15		.10	.10	.154
		14.1	48.12	-3.85	87.38	.40	.31	4.50	2.50	1.19		.09	.09	.166
		18.8	48.12	17.45	18.50	1.34	.45	4.50	2.50	.45		.19	.19	.135
702- 704	107- 1	0.0	-.52	-4.54	7.61	.04	-.17	2.63	-.04	-.30		.07	.07	.015
		4.7	-.52	-10.02	5.15	.04	-.03	2.63	-.04	-.38		.05	.05	.012
		9.4	-.52	-7.59	2.69	.04	.11	2.63	-.04	-.27		.06	.06	.014
		14.1	-.52	2.53	.22	.04	.24	2.63	-.04	-.08		.09	.09	.006
		18.8	-.52	19.25	-2.24	.04	.35	2.63	-.04	-.65		.10	.10	.030
702- 705	107- 1	0.0	-5.95	-5.98	-64.06	-1.90	-.07	-1.53	-.58	-2.15		.34	.34	.124
		4.7	-5.93	-7.38	15.54	-.93	.01	-1.53	-.58	-.58		.18	.18	.054
		9.4	-5.92	-4.42	40.83	.03	.07	-1.53	-.58	-1.38		.04	.04	.091
		14.1	-5.90	.03	11.81	1.00	.10	-1.53	-.58	-.39		.19	.19	.050
		18.8	-5.89	6.04	-71.52	1.96	.11	-1.53	-.58	-2.40		.36	.36	.134
703- 705	137- 1	0.0	-21.15	4.93	-125.41	-.97	-.43	-3.72	-1.10	-2.21		.14	.14	.146
		4.7	-21.15	-14.42	-70.46	-.97	-.26	-3.72	-1.10	-1.26		.14	.14	.127
		9.4	-21.15	-24.53	-14.35	-.97	-.11	-3.72	-1.10	-.52		.13	.13	.095
		14.1	-21.15	-28.50	38.18	-.97	.04	-3.72	-1.10	-.42		.13	.13	.106
		18.8	-21.15	-20.57	92.71	-.97	.16	-3.72	-1.10	-1.67		.14	.14	.144
703- 801	200- 1	0.0	-106.02	-186.49	457.02	7.71	1.32	27.44	-2.79	-3.82		.49	.49	.321
		12.5	-106.04	-22.53	-192.87	5.06	.85	27.44	-2.79	-1.09		.27	.27	.215
		25.1	-106.07	69.80	-467.96	.06	.36	27.44	-2.79	-2.65		.10	.10	.274
		37.6	-106.09	80.74	-229.98	-3.17	-.22	27.44	-2.79	-1.36		.24	.24	.224
		50.2	-106.07	2.20	409.78	-6.09	-.83	27.44	-2.79	-2.63		.40	.40	.274
703- 803	317- 1	0.0	-385.76	-654.49	616.23	-2.30	-8.07	197.98	-6.91	-1.33		.36	.36	.346
		7.1	-388.74	-1104.80	605.36	.02	-2.62	197.98	-6.91	-1.80		.20	.20	.403
		14.2	-388.73	-1120.09	720.41	3.29	2.16	197.98	-6.91	-1.69		.24	.24	.399
		21.3	-388.75	-752.13	348.22	5.49	6.39	197.98	-6.91	-1.05		.36	.36	.376
		28.4	-388.75	-44.30	-207.66	7.53	10.15	197.98	-6.91	-.27		.48	.48	.347
704- 705	107- 1	0.0	7.41	5.32	-74.50	-1.95	.06	.04	.02	2.50		.33	.33	.134
		4.7	7.41	8.32	8.48	-1.00	-.02	.04	.02	.35		.17	.17	.044
		9.4	7.41	3.34	34.01	-.05	-.06	.04	.02	1.20		.02	.02	.063
		14.1	7.41	-2.24	13.43	.92	-.12	.04	.02	.46		.16	.16	.048
		18.8	7.41	-9.18	-65.92	1.90	-.13	.04	.02	2.23		.32	.32	.126

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
704- 706 137- 1		0.0	-13.89	.84	-78.47	-2.09	.26	10.72	-.72	-1.38		.31	.31	.196
		4.7	-13.88	12.60	12.30	-1.13	.16	10.72	-.72	-.31		.21	.21	.061
		9.4	-13.87	18.43	49.28	-.18	.05	10.72	-.72	-.93		.11	.11	.047
		14.1	-13.87	17.65	53.03	.76	-.08	10.72	-.72	-.66		.17	.17	.076
		18.8	-13.88	9.61	-35.85	1.69	-.21	10.72	-.72	-.65		.27	.27	.076
705- 706 137- 1		0.0	-31.64	-14.26	-44.75	-.48	.16	-1.82	-1.64	-.83		.07	.07	.144
		4.7	-31.64	-1.75	-17.65	-.48	.28	-1.82	-1.64	-.31		.07	.07	.123
		9.4	-31.64	16.80	9.44	-.48	.38	-1.82	-1.64	-.34		.08	.08	.124
		14.1	-31.64	40.63	36.52	-.48	.47	-1.82	-1.64	-.96		.09	.09	.150
		18.8	-31.64	66.97	63.60	-.48	.53	-1.82	-1.64	-1.65		.09	.09	.179
706- 803 200- 1		0.0	187.69	571.06	-169.32	-.70	-3.33	-4.53	4.93	2.28		.19	.19	.324
		12.5	187.74	-23.71	-71.74	-.60	-1.91	-4.53	4.93	.42		.12	.12	.246
		25.1	187.78	-203.49	11.20	-.50	-.47	-4.53	4.94	1.14		.05	.05	.277
		37.6	187.80	-164.37	79.51	-.41	1.00	-4.53	4.94	1.02		.07	.07	.272
		50.2	187.80	97.57	133.18	-.31	2.49	-4.53	4.94	.92		.14	.14	.267
705- 806 JL7- 1		0.0	454.53	450.43	-459.12	-8.14	8.83	-276.26	6.43	.82		.52	.52	.332
		7.1	454.52	963.21	90.92	-4.84	3.32	-276.26	6.43	1.23		.34	.34	.349
		14.2	454.55	1034.03	376.15	-1.90	-1.57	-276.26	6.43	1.40		.25	.25	.357
		21.3	454.56	709.34	422.63	.77	-5.98	-276.26	6.43	1.05		.35	.35	.342
		28.4	454.57	27.30	253.09	3.17	-9.98	-276.26	6.43	.32		.47	.47	.311
710- 810 P2- 1		0.0	12.34	674.05	-2717.62	-1.85	-2.09	-55.84	.05	1.19		.03	.03	.052
		7.1	12.34	496.40	-2620.05	-1.85	-2.09	-55.84	.05	1.11		.03	.03	.049
		14.2	12.34	318.74	-2462.49	-1.85	-2.09	-55.84	.05	1.03		.03	.03	.046
		21.3	12.34	141.09	-2304.93	-1.85	-2.09	-55.84	.05	.96		.03	.03	.043
		28.4	12.34	-36.57	-2147.36	-1.85	-2.09	-55.84	.05	.90		.03	.03	.040
711- 811 P2- 1		0.0	672.96	-2394.62	2541.28	5.07	.07	181.88	2.68	1.46		.08	.08	.185
		7.1	672.96	-2388.70	2109.64	5.07	.07	181.88	2.68	1.33		.08	.08	.180
		14.2	672.96	-2382.79	1678.00	5.07	.07	181.88	2.68	1.21		.08	.08	.175
		21.3	672.96	-2376.87	1246.36	5.07	.07	181.88	2.68	1.12		.08	.08	.171
		28.4	672.96	-2370.95	814.72	5.07	.07	181.88	2.68	1.04		.08	.08	.168
712- 812 P2- 1		0.0	-699.87	1794.24	-197.26	-4.13	1.67	184.01	-2.78	-.75		.07	.07	.169
		7.1	-699.87	1936.62	154.10	-4.13	1.67	184.01	-2.78	-.81		.07	.07	.171
		14.2	-699.87	2079.41	505.47	-4.13	1.67	184.01	-2.78	-.89		.07	.07	.174
		21.3	-699.87	2221.99	856.84	-4.13	1.67	184.01	-2.78	-.99		.07	.07	.179
		28.4	-699.87	2364.58	1208.21	-4.13	1.67	184.01	-2.78	-1.11		.07	.07	.183
801- 802 148- 1		0.0	2.66	79.32	126.19	-.51	-.56	-5.79	.13	2.16		.11	.11	.097
		5.7	2.66	42.90	133.53	.29	-.50	-5.79	.13	2.03		.10	.10	.091
		11.4	2.66	11.35	86.33	1.09	-.42	-5.79	.13	1.26		.15	.15	.059
		17.1	2.66	-14.37	-15.40	1.09	-.33	-5.79	.13	.30		.22	.22	.019
		22.8	2.66	-35.26	-171.67	2.68	-.22	-5.79	.13	2.53		.30	.30	.112

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SELN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
503- 906	200- 1	0.0	-201.39	-315.52	-192.63	-.04	1.73	-.72	-5.29	-2.07		.10	.10	.452
		14.9	-201.40	-46.78	-64.84	-.55	1.23	-.72	-5.29	-.54		.07	.07	.380
		29.8	-201.43	110.72	3.40	-.44	.50	-.72	-5.29	-.62		.04	.04	.385
		44.7	-201.47	122.50	74.38	-.36	-.38	-.72	-5.30	-.80		.03	.03	.392
		59.6	-201.52	-28.08	133.64	-.30	-1.30	-.72	-5.30	-.76		.07	.07	.390
804- 805	100- 1	0.0	6.19	9.16	-61.49	-1.45	.01	.12	.52	2.08		.25	.25	.112
		5.7	6.19	7.90	12.46	-.71	-.04	.12	.52	.49		.12	.12	.045
		11.4	6.19	4.57	35.73	.03	-.06	.12	.52	1.20		.01	.01	.075
		17.1	6.19	.14	8.32	.77	-.06	.12	.52	.28		.13	.13	.036
		22.8	6.19	-4.12	-69.78	1.51	-.06	.12	.52	2.34		.26	.26	.122
804- 806	140- 1	0.0	-33.31	-11.00	-129.55	-2.26	.31	10.48	-1.57	-1.88		.29	.29	.191
		5.7	-33.31	10.18	-2.23	-1.47	.30	10.48	-1.57	-.15		.22	.22	.116
		11.4	-33.31	30.39	70.95	-.67	.28	10.48	-1.57	-1.12		.14	.14	.159
		17.1	-33.32	48.64	89.98	.12	.25	10.48	-1.57	-1.48		.10	.10	.174
		22.8	-33.32	63.98	54.88	.91	.20	10.48	-1.57	-1.22		.16	.16	.164
805- 806	140- 1	0.0	19.46	-27.45	-91.14	-.88	.28	-6.75	.92	1.38		.14	.14	.100
		5.7	19.46	-4.45	-51.07	-.88	.39	-6.75	.92	.45		.14	.14	.062
		11.4	19.46	26.34	29.00	-.88	.51	-6.75	.92	.57		.14	.14	.046
		17.1	19.46	64.66	89.07	-.88	.61	-6.75	.92	1.59		.15	.15	.110
		22.8	19.46	108.79	149.14	-.88	.68	-6.75	.92	2.67		.15	.15	.155
806- 901	200- 1	0.0	115.86	306.21	510.11	5.34	-1.83	25.42	3.05	3.34		.37	.37	.281
		14.9	115.89	45.37	-189.69	2.53	-1.10	25.42	3.05	1.09		.22	.22	.187
		29.8	115.93	-86.27	-409.17	-.05	-.37	25.42	3.05	2.34		.09	.09	.240
		44.7	115.96	-87.61	-182.39	-2.46	.35	25.42	3.05	1.13		.20	.20	.189
		59.6	116.00	40.44	456.60	-4.65	1.08	25.42	3.05	2.57		.32	.32	.249
906- 908	JL8- 1	0.0	331.97	326.35	10.62	-5.02	5.26	355.88	4.70	.42		.43	.43	.235
		8.1	331.99	632.64	374.52	-2.54	1.11	355.88	4.70	.94		.30	.30	.257
		16.2	332.01	556.16	513.50	-.31	-2.62	355.88	4.70	.96		.30	.30	.258
		24.3	332.04	155.18	445.27	1.84	-5.98	355.88	4.70	.59		.40	.40	.242
		32.4	332.05	-596.54	191.11	3.52	-9.06	355.88	4.70	.80		.50	.50	.251
810- 910	P2- 1	0.0	12.34	-54.19	-2147.36	-6.53	-1.70	-57.45	.05	.90		.06	.06	.046
		8.1	12.34	-199.98	-1531.35	-6.53	-1.70	-57.45	.05	.64		.06	.06	.029
		16.2	12.34	-365.76	-915.35	-6.33	-1.70	-57.45	.05	.41		.06	.06	.020
		24.3	12.34	-531.54	-299.34	-6.33	-1.70	-57.45	.05	.25		.06	.06	.013
		32.4	12.34	-697.33	316.66	-6.33	-1.70	-57.45	.05	.32		.06	.06	.016
811- 911	P2- 1	0.0	672.95	-2370.01	817.20	4.96	10.94	182.93	2.68	1.04		.13	.13	.168
		8.1	672.95	-1504.83	334.53	4.96	10.94	182.93	2.68	.56		.13	.13	.146
		16.2	672.95	-259.64	-148.13	4.96	10.94	182.93	2.68	.12		.13	.13	.129
		24.3	672.95	825.55	-630.80	4.96	10.94	182.93	2.68	.45		.13	.13	.142
		32.4	672.95	1890.74	-1113.46	4.96	10.94	182.93	2.68	.91		.13	.13	.182

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
812- 912	P2- 1	0.0	-699.85	2564.58	1208.13	.46	-9.52	184.53	-2.78	-1.11		.11	.11	.185
		8.1	-699.85	1436.47	1163.01	.46	-9.52	184.53	-2.78	-.77		.11	.11	.171
		16.2	-699.85	512.36	1117.89	.46	-9.52	184.53	-2.78	-.51		.11	.11	.160
		24.3	-699.85	-413.75	1072.78	.46	-9.52	184.53	-2.78	-.48		.11	.11	.159
		32.4	-699.85	-1339.86	1027.66	.46	-9.52	184.53	-2.78	-.70		.11	.11	.168
901- 902	169- 1	0.0	-17.90	92.10	160.25	-.40	-.51	-9.76	-.74	-2.02		.11	.11	.140
		6.9	-17.90	52.94	162.37	.35	-.44	-9.76	-.74	-1.87		.10	.10	.133
		13.7	-17.90	19.42	105.87	1.07	-.37	-9.76	-.74	-1.16		.15	.15	.103
		20.6	-17.90	-8.46	-13.83	1.79	-.30	-9.76	-.74	-.18		.20	.20	.062
		27.4	-17.90	-30.70	-169.53	2.48	-.24	-9.76	-.74	-2.10		.26	.26	.143
901- 904	169- 1	0.0	-55.73	-21.07	162.26	-.28	-.09	-14.76	-2.29	-1.79		.10	.10	.236
		6.9	-55.71	-26.24	155.87	.43	-.03	-14.76	-2.29	-1.73		.12	.12	.234
		13.7	-55.70	-27.19	91.46	1.14	.01	-14.76	-2.29	-1.04		.17	.17	.209
		20.6	-55.69	-25.35	-30.98	1.84	.03	-14.76	-2.29	-.44		.23	.23	.187
		27.4	-55.68	-22.05	-211.44	2.55	.04	-14.76	-2.29	-2.32		.29	.29	.256
901-1001	JL9- 1	0.0	1.00	-212.21	-20.68	5.72	.45	-211.89	.01	.27		.30	.30	.012
		8.1	1.02	-164.39	-415.56	2.48	.53	-211.89	.01	.57		.21	.21	.025
		16.2	1.03	-108.92	-504.61	-.58	.60	-211.89	.01	.66		.16	.16	.028
		24.3	1.03	-48.71	-309.38	-3.40	.63	-211.89	.01	.40		.23	.23	.017
		32.4	1.03	13.36	148.58	-5.97	.64	-211.89	.01	.19		.30	.30	.009
901-1002	180- 1	0.0	91.99	134.59	-72.04	-2.02	-1.39	-18.59	3.35	1.30		.26	.26	.210
		10.6	92.02	1.86	107.67	-.65	-.71	-18.59	3.35	.92		.16	.16	.194
		21.1	92.04	-44.94	142.78	.27	-.04	-18.59	3.35	1.28		.10	.10	.209
		31.7	92.00	-11.29	42.69	1.30	.56	-18.59	3.35	.38		.18	.18	.171
		42.2	91.95	91.83	-179.87	2.19	1.05	-18.59	3.35	1.73		.26	.26	.228
901-1004	180- 1	0.0	-99.96	-91.76	-99.48	-2.16	1.15	-13.74	-3.64	-1.16		.24	.24	.262
		10.6	-99.94	11.99	96.90	-.96	.51	-13.74	-3.64	-.83		.14	.14	.249
		21.1	-99.91	59.50	146.98	.15	-.08	-13.74	-3.63	-1.30		.07	.07	.267
		31.7	-99.95	-6.26	61.47	1.18	-.64	-13.74	-3.64	-.53		.16	.16	.236
		42.2	-99.95	-118.56	-147.38	2.09	-1.12	-13.74	-3.64	-1.62		.23	.23	.240
902- 903	169- 1	0.0	-13.83	-26.68	-119.23	-1.82	-.13	6.95	-.57	-1.34		.19	.19	.096
		6.9	-13.83	-33.93	2.38	-1.14	-.05	6.95	-.57	-.37		.13	.13	.056
		13.7	-13.83	-34.14	67.61	-.45	.05	6.95	-.57	-.83		.08	.08	.077
		20.6	-13.83	-25.89	76.45	.24	.16	6.95	-.57	-.86		.06	.06	.079
		27.4	-13.83	-7.77	28.90	.92	.29	6.95	-.57	-.33		.12	.12	.056
902- 904	109- 1	0.0	.28	-5.95	-5.31	-.02	-.06	4.69	.02	.27		.09	.09	.012
		6.9	.28	-8.38	-3.93	-.02	.00	4.69	.02	.31		.08	.08	.014
		13.7	.28	-5.18	-2.56	-.02	.07	4.69	.02	.19		.09	.09	.009
		20.6	.28	3.66	-1.18	-.02	.14	4.69	.02	.15		.10	.10	.007
		27.4	.28	18.14	.19	-.02	.21	4.69	.02	.61		.11	.11	.027

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
902- 905	109- 1	0.0	-5.88	-9.45	-64.80	-1.12	-.05	-2.07	-.49	-2.19		.22	.22	.127
		6.9	-5.88	-10.72	4.52	-.57	.01	-2.07	-.49	-.39		.13	.13	.051
		13.7	-5.88	-7.77	28.39	-.01	.06	-2.07	-.49	-.98		.04	.04	.076
		20.6	-5.88	-2.00	6.42	.54	.08	-2.07	-.49	-.24		.13	.13	.045
		27.4	-5.87	5.18	-60.20	1.09	.09	-2.07	-.49	-2.02		.22	.22	.120
903- 905	169- 1	0.0	70.03	-55.37	-112.12	-.45	-.03	-2.39	2.88	1.37		.05	.05	.191
		6.9	70.03	-55.07	-75.42	-.45	.04	-2.39	2.88	1.02		.05	.05	.176
		13.7	70.03	-49.14	-38.71	-.45	.11	-2.39	2.88	.68		.05	.05	.162
		20.6	70.03	-37.57	-2.01	-.45	.17	-2.39	2.88	.41		.05	.05	.150
		27.4	70.03	-20.36	34.70	-.45	.24	-2.39	2.88	.44		.05	.05	.152
903-1002	180- 1	0.0	-93.27	-68.81	175.83	2.48	.59	8.49	-3.39	-1.61		.22	.22	.265
		10.6	-93.24	-12.70	-58.29	1.23	.30	8.49	-3.39	-.51		.13	.13	.221
		21.1	-93.21	6.75	-138.79	.06	.01	8.49	-3.39	-1.19		.04	.04	.248
		31.7	-93.19	-11.20	-75.60	-1.04	-.29	8.49	-3.39	-.65		.11	.11	.227
		42.2	-93.18	-67.31	121.33	-2.06	-.60	8.49	-3.39	-1.19		.19	.19	.248
903-1003	JL9- 1	0.0	-20.56	395.49	-339.67	-3.13	-4.58	185.20	-.29	-.66		.27	.27	.042
		8.1	-20.56	63.05	-99.01	-1.83	-2.28	185.20	-.29	-.15		.20	.20	.021
		16.2	-20.54	-55.28	20.30	-.64	-.19	185.20	-.29	-.07		.14	.14	.017
		24.3	-20.56	19.32	30.99	.40	1.68	185.20	-.29	-.05		.17	.17	.016
		32.4	-20.57	261.61	-51.57	1.27	5.25	185.20	-.29	-.34		.22	.22	.029
903-1005	180- 1	0.0	-170.44	-184.08	-117.62	-.52	1.58	21.51	-6.20	-1.87		.21	.21	.448
		10.6	-170.43	-27.51	-59.02	-.41	.89	21.51	-6.20	-.56		.16	.16	.391
		21.1	-170.37	38.46	-14.81	-.29	.15	21.51	-6.20	-.35		.12	.12	.382
		31.7	-170.31	11.58	15.02	-.18	-.58	21.51	-6.20	-.16		.14	.14	.374
		42.2	-170.30	-106.36	30.44	-.06	-1.27	21.51	-6.20	-.95		.18	.18	.408
904- 905	109- 1	0.0	5.64	9.44	-57.02	-1.10	-.04	-1.79	.47	1.93		.22	.22	.103
		6.9	5.64	6.55	11.05	-.55	-.04	-1.79	.47	.43		.12	.12	.040
		13.7	5.64	3.66	32.60	.03	-.04	-1.79	.47	1.10		.04	.04	.068
		20.6	5.64	.76	6.22	.62	-.04	-1.79	.47	.21		.13	.13	.031
		27.4	5.64	-2.13	-69.50	1.23	-.04	-1.79	.47	2.35		.24	.24	.120
904- 906	169- 1	0.0	-59.33	-20.22	-154.23	-2.05	.29	12.36	-2.44	-1.70		.24	.24	.244
		6.9	-59.32	3.48	-14.70	-1.54	.29	12.36	-2.44	-.17		.18	.18	.187
		13.7	-59.31	27.18	66.77	-.64	.29	12.36	-2.44	-.79		.13	.13	.211
		20.6	-59.29	50.88	90.17	.07	.29	12.36	-2.44	-1.13		.09	.09	.224
		27.4	-59.28	74.58	55.52	.77	.29	12.36	-2.43	-1.02		.14	.14	.222
905- 906	169- 1	0.0	62.27	-20.04	-95.00	-.73	.30	-5.18	2.56	1.06		.09	.09	.163
		6.9	62.27	7.33	-34.95	-.73	.37	-5.18	2.56	.39		.10	.10	.135
		13.7	62.27	40.34	25.10	-.73	.44	-5.18	2.56	.52		.10	.10	.140
		20.6	62.27	78.99	85.15	-.73	.50	-5.18	2.56	1.27		.10	.10	.172
		27.4	62.27	125.29	145.20	-.73	.57	-5.18	2.56	2.08		.10	.10	.206

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
906-1004	100- 1	0.0	100.70	109.18	166.58	2.48	-.94	-1.25	3.66	1.70		.20	.20	.241
		10.6	100.68	19.56	-65.51	1.20	-.48	-1.25	3.66	.58		.10	.10	.194
		21.1	100.63	-14.88	-139.06	-.02	-.07	-1.25	3.66	1.20		.01	.01	.220
		31.7	100.63	-1.65	-65.03	-1.13	.27	-1.25	3.66	.56		.09	.09	.193
		42.2	100.63	53.47	142.60	-2.13	.59	-1.25	3.66	1.30		.17	.17	.224
906-1005	100- 1	0.0	170.85	131.34	-88.31	-.32	-1.51	7.92	6.22	1.35		.15	.15	.345
		10.6	170.85	-8.35	-51.15	-.27	-.70	7.92	6.22	.44		.09	.09	.306
		21.1	170.85	-45.53	-20.23	-.22	.11	7.92	6.22	.43		.05	.05	.306
		31.7	170.84	17.91	4.17	-.16	.88	7.92	6.21	.16		.10	.10	.294
		42.2	170.83	172.43	20.78	-.10	1.55	7.92	6.21	1.48		.15	.15	.350
906-1006	JL9- 1	0.0	19.46	-167.81	379.46	-2.15	5.19	115.77	.28	.53		.23	.23	.035
		8.1	19.47	195.02	502.30	-.41	2.29	115.77	.28	.69		.14	.14	.042
		16.2	19.49	282.97	463.33	1.19	-.47	115.77	.28	.69		.11	.11	.042
		24.3	19.48	110.51	274.45	2.87	-3.04	115.77	.28	.38		.19	.19	.029
		32.4	19.50	-301.98	-52.47	4.05	-5.39	115.77	.28	.39		.26	.26	.029
1010- 910	P5- 1	0.0	12.33	599.75	6660.19	17.92	-3.33	-57.43	.05	2.79		.16	.16	.120
		8.1	12.33	275.55	4915.82	17.92	-3.33	-57.43	.05	2.05		.16	.16	.089
		16.2	12.33	-48.65	3171.45	17.92	-3.33	-57.43	.05	1.32		.16	.16	.058
		24.3	12.33	-372.84	1427.08	17.92	-3.33	-57.43	.05	.61		.16	.16	.028
		32.4	12.33	-697.04	-317.29	17.92	-3.33	-57.43	.05	.32		.16	.16	.016
1011- 911	P5- 1	0.0	672.98	-6359.54	-3410.72	-11.62	21.14	183.51	2.68	3.00		.23	.23	.250
		8.1	672.98	-4281.72	-2280.12	-11.62	21.14	183.51	2.68	2.02		.23	.23	.209
		16.2	672.98	-2223.90	-1149.53	-11.62	21.14	183.51	2.68	1.04		.23	.23	.168
		24.3	672.98	-166.08	-18.93	-11.62	21.14	183.51	2.68	.07		.23	.23	.127
		32.4	672.98	1891.74	1111.67	-11.62	21.14	183.51	2.68	.91		.23	.23	.162
1012- 912	P5- 1	0.0	-649.89	5972.65	-1850.06	-2.11	-18.78	184.53	-2.78	-2.61		.19	.19	.248
		8.1	-649.89	4144.65	-1644.46	-2.11	-18.78	184.53	-2.78	-1.80		.19	.19	.217
		16.2	-649.89	2316.49	-1438.86	-2.11	-18.78	184.53	-2.78	-1.14		.19	.19	.186
		24.3	-649.89	488.32	-1233.26	-2.11	-18.78	184.53	-2.78	-.55		.19	.19	.162
		32.4	-649.89	-1339.86	-1027.66	-2.11	-18.78	184.53	-2.78	-.70		.19	.19	.148
1001-1002	200- 1	0.0	-124.18	167.55	115.67	-.86	-.70	13.87	-3.26	-1.14		.10	.10	.277
		8.0	-124.18	100.00	163.27	-.13	-.70	13.87	-3.26	-1.07		.08	.08	.271
		16.0	-124.18	32.47	141.58	.59	-.70	13.87	-3.26	-.81		.09	.09	.250
		24.0	-124.18	-35.06	50.60	1.31	-.70	13.87	-3.26	-.34		.12	.12	.243
		32.0	-124.18	-102.59	-109.68	2.03	-.70	13.87	-3.26	-.84		.15	.15	.265
1001-1004	200- 1	0.0	117.79	-170.37	117.77	-.87	.60	34.43	3.10	1.16		.15	.15	.192
		8.0	117.76	-112.51	164.72	-.11	.60	34.43	3.10	1.12		.13	.13	.190
		16.0	117.73	-54.25	139.06	.64	.60	34.43	3.09	.84		.14	.14	.178
		24.0	117.71	5.81	40.80	1.40	.60	34.43	3.09	.23		.18	.18	.153
		32.0	117.68	61.87	-130.05	2.15	.60	34.43	3.09	.81		.21	.21	.177

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1003	200- 1	0.0	3.01	46.96	-74.06	-1.63	-.40	-52.71	.08	.50		.24	.24	.025
		8.0	3.01	8.89	45.85	-.91	-.40	-52.71	.08	.26		.20	.20	.015
		16.0	3.01	-29.18	100.40	-.22	-.40	-52.71	.08	.59		.17	.17	.028
		24.0	3.01	-67.25	89.50	.45	-.40	-52.71	.08	.63		.18	.18	.030
		32.0	3.01	-105.33	15.08	1.10	-.40	-52.71	.08	.60		.21	.21	.029
1002-1004	140- 1	0.0	.10	-109.67	-2.49	-.01	.58	17.57	.01	2.06		.24	.24	.087
		8.0	.10	-53.75	-1.74	-.01	.58	17.57	.01	1.01		.24	.24	.043
		16.0	.10	2.37	-.98	-.01	.58	17.57	.01	.05		.24	.24	.002
		24.0	.10	58.49	-.23	-.01	.58	17.57	.01	1.10		.24	.24	.047
		32.0	.10	114.61	.52	-.01	.58	17.57	.01	2.15		.24	.24	.091
1002-1005	140- 1	0.0	-9.70	-44.27	-61.67	-.97	.33	-7.30	-.60	-1.96		.20	.20	.118
		8.0	-9.70	-52.44	8.48	-.49	.33	-7.30	-.60	-1.00		.14	.14	.077
		16.0	-9.70	-20.60	32.06	.00	.33	-7.30	-.60	-.72		.11	.11	.066
		24.0	-9.68	11.24	7.42	.51	.33	-7.30	-.60	-.25		.14	.14	.046
		32.0	-9.65	43.08	-67.12	1.04	.33	-7.30	-.60	-1.50		.20	.20	.098
1003-1005	200- 1	0.0	129.75	-245.72	-176.08	-.62	1.05	4.35	3.41	1.69		.08	.08	.229
		8.0	129.75	-145.25	-116.64	-.62	1.05	4.35	3.41	1.04		.08	.08	.202
		16.0	129.75	-44.77	-57.20	-.62	1.05	4.35	3.41	.41		.08	.08	.175
		24.0	129.75	55.71	2.24	-.62	1.05	4.35	3.41	.31		.08	.08	.171
		32.0	129.75	156.19	61.68	-.62	1.05	4.35	3.41	.94		.08	.08	.197
1004-1005	140- 1	0.0	9.59	65.28	-55.85	-.94	-.25	-10.78	.60	1.61		.22	.22	.096
		8.0	9.59	41.54	11.02	-.46	-.25	-10.78	.60	.81		.17	.17	.062
		16.0	9.59	17.81	31.69	.03	-.25	-10.78	.60	.68		.13	.13	.056
		24.0	9.59	-5.93	6.17	.51	-.25	-10.78	.60	.16		.17	.17	.034
		32.0	9.59	-29.67	-65.55	.99	-.25	-10.78	.60	1.35		.23	.23	.085
1004-1006	200- 1	0.0	-19.43	-84.27	-65.44	-1.59	.58	-28.74	-.51	-.62		.17	.17	.062
		8.0	-19.45	-33.99	50.98	-.84	.58	-28.74	-.51	-.34		.13	.13	.050
		16.0	-19.45	21.29	95.76	-.10	.58	-28.74	-.51	-.55		.11	.11	.059
		24.0	-19.43	76.57	89.87	.63	.58	-28.74	-.51	-.58		.13	.13	.060
		32.0	-19.40	131.85	-25.74	1.35	.58	-28.74	-.51	-.75		.16	.16	.067
1005-1006	200- 1	0.0	-105.26	-94.95	-59.46	-.54	.90	4.18	-2.77	-.63		.07	.07	.220
		8.0	-105.26	-8.40	-7.75	-.54	.90	4.18	-2.77	-.06		.07	.07	.197
		16.0	-105.26	78.14	44.35	-.54	.90	4.18	-2.77	-.50		.07	.07	.215
		24.0	-105.26	164.69	96.46	-.54	.90	4.18	-2.77	-1.07		.07	.07	.238
		32.0	-105.26	251.23	148.57	-.54	.90	4.18	-2.77	-1.63		.07	.07	.261

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
101- 102 W18- 1		0.0	.01	-.11	-.76	-.01	.00	.00	.00	-.00	-.07	.00	.00	.003
		3.6	.01	-.07	-.49	-.01	.00	.00	.00	-.00	-.05	.00	.00	.002
		7.3	.01	-.04	-.21	-.01	.00	.00	.00	-.00	-.02	.00	.00	.001
		10.9	.01	.00	.06	-.01	.00	.00	.00	.00	.01	.00	.00	.000
		14.5	.01	.04	.33	-.01	.00	.00	.00	.00	.03	.00	.00	.001
101- 104 W18- 1		0.0	.00	-.07	-.76	-.01	.00	.00	.00	-.00	-.07	.00	.00	.003
		3.6	.00	-.05	-.49	-.01	.00	.00	.00	-.00	-.05	.00	.00	.002
		7.2	.00	-.03	-.21	-.01	.00	.00	.00	-.00	-.02	.00	.00	.001
		10.9	.00	-.02	.07	-.01	.00	.00	.00	-.00	.01	.00	.00	.000
		14.5	.00	.00	.34	-.01	.00	.00	.00	.00	.03	.00	.00	.001
101- 201 DRL- 1		0.0	.00	.06	-.14	-.01	-.01	-1.52	.00	.00		.00	.00	.000
		3.8	.00	-.50	.36	-.01	-.01	-1.52	.00	.00		.00	.00	.000
		7.5	.00	-1.06	.86	-.01	-.01	-1.52	.00	.00		.00	.00	.000
		11.3	.00	-1.62	1.36	-.01	-.01	-1.52	.00	.00		.00	.00	.000
		15.0	.00	-2.18	1.86	-.01	-.01	-1.52	.00	.00		.00	.00	.000
102- 103 W18- 1		0.0	.01	.05	.29	.00	.00	-.00	.00	.00	.03	.00	.00	.001
		3.6	.01	.07	.10	.00	.00	-.00	.00	.00	.01	.00	.00	.000
		7.3	.01	.11	-.10	.00	.00	-.00	.00	.00	-.01	.00	.00	.001
		10.9	.01	.14	-.30	.00	.00	-.00	.00	.00	-.03	.00	.00	.001
		14.5	.01	.18	-.49	.00	.00	-.00	.00	.00	-.05	.00	.00	.002
102- 104 W08- 1		0.0	-.00	-.00	.04	.00	-.00	.00	-.00	-.00	.01	.00	.00	.000
		3.6	-.00	-.00	.02	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		7.2	-.00	-.00	.00	.00	-.00	.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.00	-.02	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.01	-.04	.00	-.00	.00	-.00	-.00	-.01	.00	.00	.000
102- 105 W08- 1		0.0	.01	.00	-.01	-.00	.00	-.00	.00	.00	-.00	.00	.00	.000
		3.6	.01	.00	.01	-.00	.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.01	.00	.03	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
		10.9	.01	.00	.05	-.00	.00	-.00	.00	.00	.01	.00	.00	.000
		14.5	.01	.00	.07	-.00	.00	-.00	.00	.00	.01	.00	.00	.001
103- 105 W18- 1		0.0	-.01	.20	.37	.00	-.00	.00	-.00	.00	.03	.00	.00	.002
		3.6	-.01	.14	.27	.00	-.00	.00	-.00	.00	.02	.00	.00	.001
		7.2	-.01	.09	.16	.00	-.00	.00	-.00	.00	.02	.00	.00	.001
		10.9	-.01	.04	.06	.00	-.00	.00	-.00	.00	.01	.00	.00	.000
		14.5	-.01	-.02	-.05	.00	-.00	.00	-.00	-.00	-.00	.00	.00	.000
103- 203 DRL- 1		0.0	-.00	-.17	-.28	.00	.00	.86	-.00	-.00		.00	.00	.000
		3.8	-.00	-.15	-.38	.00	.00	.86	-.00	-.00		.00	.00	.000
		7.5	-.00	-.09	-.47	.00	.00	.86	-.00	-.00		.00	.00	.000
		11.3	-.00	-.05	-.57	.00	.00	.86	-.00	-.00		.00	.00	.000
		15.0	-.00	-.00	-.67	.00	.00	.86	-.00	-.00		.00	.00	.000

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
104- 105	#06- 1	0.0	-.01	.01	-.02	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.01	.00	.00	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		7.3	-.01	.00	.03	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		10.9	-.01	-.00	.05	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
		14.5	-.01	-.00	.07	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
104- 106	#16- 1	0.0	.01	-.01	.32	.01	.00	-.00	.00	-.00	.03	.00	.00	.001
		3.6	.01	.01	.10	.01	.00	-.00	.00	.00	.01	.00	.00	.000
		7.3	.01	.03	-.12	.01	.00	-.00	.00	.00	-.01	.00	.00	.001
		10.9	.01	.05	-.35	.01	.00	-.00	.00	.00	-.03	.00	.00	.002
		14.5	.01	.07	-.57	.01	.00	-.00	.00	.00	-.05	.00	.00	.003
105- 106	#16- 1	0.0	.01	-.01	.09	.00	-.00	-.00	.00	-.00	.01	.00	.00	.000
		3.6	.01	-.07	-.05	.00	-.00	-.00	.00	-.00	-.00	.00	.00	.000
		7.3	.01	-.12	-.18	.00	-.00	-.00	.00	-.00	-.02	.00	.00	.001
		10.9	.01	-.18	-.32	.00	-.00	-.00	.00	-.00	-.03	.00	.00	.001
		14.5	.01	-.24	-.46	.00	-.00	-.00	.00	-.00	-.04	.00	.00	.002
106- 206	ORL- 1	0.0	.01	-.30	-.37	-.00	-.00	1.65	.00	.00		.00	.00	.000
		3.8	.01	-.33	-.25	-.00	-.00	1.65	.00	.00		.00	.00	.000
		7.5	.01	-.36	-.13	-.00	-.00	1.65	.00	.00		.00	.00	.000
		11.3	.01	-.40	-.01	-.00	-.00	1.65	.00	.00		.00	.00	.000
		15.0	.01	-.43	.11	-.00	-.00	1.65	.00	.00		.00	.00	.000
201- 202	#16- 1	0.0	-.19	-.00	-.80	-.01	.00	.00	-.01	-.00	-.07	.00	.00	.004
		3.6	-.19	.02	-.51	-.01	.00	.00	-.01	.00	-.05	.00	.00	.003
		7.3	-.19	.05	-.22	-.01	.00	.00	-.01	.00	-.02	.00	.00	.002
		10.9	-.19	.07	.06	-.01	.00	.00	-.01	.00	.01	.00	.00	.001
		14.5	-.19	.10	.35	-.01	.00	.00	-.01	.00	.03	.00	.00	.002
201- 204	#16- 1	0.0	-.04	.19	-.81	-.01	-.00	-.00	-.00	.00	-.08	.00	.00	.004
		3.6	-.04	.15	-.52	-.01	-.00	-.00	-.00	.00	-.05	.00	.00	.002
		7.2	-.04	.12	-.22	-.01	-.00	-.00	-.00	.00	-.02	.00	.00	.001
		10.9	-.04	.08	.07	-.01	-.00	-.00	-.00	.00	.01	.00	.00	.001
		14.5	-.04	.05	.37	-.01	-.00	-.00	-.00	.00	.03	.00	.00	.002
201- 301	ORL- 1	0.0	-.05	-2.10	1.96	.14	.03	-6.99	-.00	-.00		.01	.01	.000
		3.8	-.05	-.95	-4.48	.14	.03	-6.99	-.00	-.01		.01	.01	.000
		7.5	-.05	.19	-10.93	.14	.03	-6.99	-.00	-.02		.01	.01	.001
		11.3	-.05	1.34	-17.37	.14	.03	-6.99	-.00	-.03		.01	.01	.001
		15.0	-.05	2.49	-23.81	.14	.03	-6.99	-.00	-.04		.01	.01	.002
201- 303	120- 1	0.0	.08	.36	-1.89	-.00	-.00	.39	.00	.03		.00	.00	.002
		8.2	.08	.11	-1.61	-.00	-.00	.39	.00	.03		.00	.00	.001
		16.3	.08	-.15	-1.32	-.00	-.00	.39	.00	.02		.00	.00	.001
		24.5	.08	-.40	-1.04	-.00	-.00	.39	.00	.02		.00	.00	.001
		32.6	.08	-.66	-.75	-.00	-.00	.39	.00	.02		.00	.00	.001

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FY KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	CUMM. UNITY CHECK
									KSI					
202- 203 W16- 1		0.0	-.19	.09	.32	.00	.00	-.00	-.01	.00	.03	.00	.00	.002
		3.6	-.19	.12	.11	.00	.00	-.00	-.01	.00	.01	.00	.00	.001
		7.3	-.19	.14	-.10	.00	.00	-.00	-.01	.00	-.01	.00	.00	.001
		10.9	-.19	.16	-.31	.00	.00	-.00	-.01	.00	-.03	.00	.00	.002
		14.5	-.19	.19	-.52	.00	.00	-.00	-.01	.00	-.05	.00	.00	.003
202- 204 W08- 1		0.0	-.00	-.01	.05	.00	.00	-.00	-.00	-.00	.01	.00	.00	.000
		3.6	-.00	-.00	.02	.00	.00	-.00	-.00	-.00	.00	.00	.00	.000
		7.2	-.00	-.00	.00	.00	.00	-.00	-.00	-.00	.00	.00	.00	.000
		10.9	-.00	-.00	-.02	.00	.00	-.00	-.00	-.00	-.00	.00	.00	.000
		14.5	-.00	-.00	-.04	.00	.00	-.00	-.00	-.00	-.01	.00	.00	.000
202- 205 W05- 1		0.0	.01	.01	-.01	-.00	-.00	-.00	.00	.00	-.00	.00	.00	.000
		3.6	.01	.00	.01	-.00	-.00	-.00	.00	.00	.00	.00	.00	.000
		7.2	.01	.00	.03	-.00	-.00	-.00	.00	.00	.01	.00	.00	.000
		10.9	.01	.00	.05	-.00	-.00	-.00	.00	.00	.01	.00	.00	.001
		14.5	.01	.00	.07	-.00	-.00	-.00	.00	.00	.01	.00	.00	.001
203- 205 W16- 1		0.0	.06	.29	.40	.00	-.00	.00	.00	.00	.04	.00	.00	.002
		3.6	.06	.21	.29	.00	-.00	.00	.00	.00	.03	.00	.00	.002
		7.2	.06	.13	.17	.00	-.00	.00	.00	.00	.02	.00	.00	.001
		10.9	.06	.06	.05	.00	-.00	.00	.00	.00	.00	.00	.00	.000
		14.5	.06	-.02	-.06	.00	-.00	.00	.00	-.00	-.01	.00	.00	.000
203- 303 UNL- 1		0.0	-.04	.50	-2.19	-.14	-.12	4.30	-.00	-.00		.01	.01	.000
		3.8	-.04	-5.05	4.31	-.14	-.12	4.30	-.00	-.01		.01	.01	.000
		7.5	-.04	-10.61	10.81	-.14	-.12	4.30	-.00	-.02		.01	.01	.001
		11.3	-.04	-16.16	17.31	-.14	-.12	4.30	-.00	-.04		.01	.01	.002
		15.0	-.04	-21.71	23.81	-.14	-.12	4.30	-.00	-.05		.01	.01	.002
203- 306 120- 1		0.0	.07	-.05	2.48	.02	.00	.10	.00	.05		.00	.00	.002
		5.2	.07	.01	1.38	.02	.00	.10	.00	.02		.00	.00	.001
		16.3	.07	.07	-.12	.02	.00	.10	.00	.00		.00	.00	.000
		24.5	.07	.13	-1.62	.02	.00	.10	.00	.03		.00	.00	.001
		32.6	.07	.19	-3.13	.02	.00	.10	.00	.06		.00	.00	.003
204- 205 W08- 1		0.0	-.01	.00	-.02	-.00	-.00	.00	-.00	.00	-.00	.00	.00	.000
		3.6	-.01	.00	.01	-.00	-.00	.00	-.00	.00	.00	.00	.00	.000
		7.3	-.01	.00	.03	-.00	-.00	.00	-.00	.00	.01	.00	.00	.000
		10.9	-.01	-.00	.05	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
		14.5	-.01	-.00	.08	-.00	-.00	.00	-.00	-.00	.01	.00	.00	.001
204- 206 W16- 1		0.0	-.04	.04	.34	.01	-.00	-.00	-.00	.00	.03	.00	.00	.002
		3.6	-.04	.01	.10	.01	-.00	-.00	-.00	.00	.01	.00	.00	.001
		7.3	-.04	-.03	-.13	.01	-.00	-.00	-.00	-.00	-.01	.00	.00	.001
		10.9	-.04	-.06	-.36	.01	-.00	-.00	-.00	-.00	-.03	.00	.00	.002
		14.5	-.04	-.09	-.60	.01	-.00	-.00	-.00	-.00	-.04	.00	.00	.003

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - PLM 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END PT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									/----------KSI----------/					
205- 206 M15- 1		0.0	.08	-.02	.08	.00	-.00	-.00	.00	-.00	.01	.00	.00	.001
		3.6	.08	-.09	-.05	.00	-.00	-.00	.00	-.00	-.01	.00	.00	.000
		7.3	.08	-.17	-.19	.00	-.00	-.00	.00	-.00	-.02	.00	.00	.001
		10.9	.08	-.25	-.33	.00	-.00	-.00	.00	-.00	-.03	.00	.00	.002
		14.5	.08	-.33	-.47	.00	-.00	-.00	.00	-.00	-.04	.00	.00	.002
206- 301 120- 1		0.0	.01	.15	.20	-.01	-.00	-.48	.00	.00		.00	.00	.000
		5.2	.01	.04	.42	-.01	-.00	-.48	.00	.01		.00	.00	.001
		10.3	.01	-.08	1.44	-.01	-.00	-.48	.00	.03		.00	.00	.001
		24.5	.01	-.20	2.07	-.01	-.00	-.48	.00	.04		.00	.00	.002
		32.6	.01	-.31	2.69	-.01	-.00	-.48	.00	.05		.00	.00	.002
205- 306 URL- 1		0.0	.01	-.03	-.36	-.06	.04	3.12	.00	.00		.00	.00	.000
		3.8	.01	.00	2.11	-.06	.04	3.12	.00	.00		.00	.00	.000
		7.5	.01	2.56	4.59	-.06	.04	3.12	.00	.01		.00	.00	.000
		11.3	.01	4.26	7.07	-.06	.04	3.12	.00	.01		.00	.00	.001
		15.0	.01	5.95	9.55	-.06	.04	3.12	.00	.02		.00	.00	.001
301- 303 123- 1		0.0	.59	-.43	-3.27	-.01	.00	-.16	.03	.06		.00	.00	.004
		7.3	.59	-.41	-2.51	-.01	.00	-.16	.03	.04		.00	.00	.003
		14.5	.59	-.38	-1.75	-.01	.00	-.16	.03	.03		.00	.00	.003
		21.7	.59	-.36	-.99	-.01	.00	-.16	.03	.02		.00	.00	.002
		29.0	.59	-.33	-.23	-.01	.00	-.16	.03	.01		.00	.00	.002
301- 306 123- 1		0.0	.04	-.35	-2.85	-.01	.00	.20	.00	.05		.00	.00	.002
		7.2	.04	-.22	-2.34	-.01	.00	.20	.00	.04		.00	.00	.002
		14.5	.04	-.09	-1.83	-.01	.00	.20	.00	.03		.00	.00	.001
		21.7	.04	.04	-1.32	-.01	.00	.20	.00	.02		.00	.00	.001
		29.0	.04	.17	-.81	-.01	.00	.20	.00	.01		.00	.00	.001
301- 401 URL- 1		0.0	.15	3.50	-27.39	-.28	-.03	-17.79	.00	.04		.02	.02	.002
		7.1	.15	1.03	-3.46	-.28	-.03	-17.79	.00	.01		.02	.02	.000
		14.2	.15	-1.45	20.48	-.28	-.03	-17.79	.00	.03		.02	.02	.001
		21.4	.15	-3.92	44.42	-.28	-.03	-17.79	.00	.07		.02	.02	.003
		28.5	.15	-6.40	64.35	-.28	-.03	-17.79	.00	.11		.02	.02	.005
303- 306 123- 1		0.0	-.34	.25	3.85	.02	-.00	-.18	-.02	-.07		.00	.00	.004
		7.2	-.34	.20	1.86	.02	-.00	-.18	-.02	-.03		.00	.00	.002
		14.5	-.34	.15	-.08	.02	-.00	-.18	-.02	-.00		.00	.00	.001
		21.7	-.34	.10	-2.05	.02	-.00	-.18	-.02	-.04		.00	.00	.003
		29.0	-.34	.06	-4.02	.02	-.00	-.18	-.02	-.07		.00	.00	.004
303- 403 URL- 1		0.0	.00	-22.17	24.83	.33	.17	9.22	.00	.05		.02	.02	.002
		7.1	.00	-7.45	-3.67	.33	.17	9.22	.00	.01		.02	.02	.001
		14.2	.00	7.27	-32.17	.33	.17	9.22	.00	.05		.02	.02	.002
		21.4	.00	22.00	-60.67	.33	.17	9.22	.00	.10		.02	.02	.004
		28.5	.00	36.72	-89.17	.33	.17	9.22	.00	.15		.02	.02	.006

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306- 406 DRL- 1		0.0	.04	7.18	8.44	.13	-.15	10.76	.00	.02		.01	.01	.001
		7.1	.04	-5.41	-2.51	.13	-.15	10.76	.00	.01		.01	.01	.000
		14.2	.04	-17.99	-13.46	.13	-.15	10.76	.00	.04		.01	.01	.002
		21.4	.04	-30.58	-24.41	.13	-.15	10.76	.00	.06		.01	.01	.003
		28.5	.04	-43.16	-35.36	.13	-.15	10.76	.00	.09		.01	.01	.004
401- 501 JL4- 1		0.0	11.54	30.69	12.08	.72	1.27	-48.54	.05	.01		.02	.02	.003
		1.1	11.54	48.10	2.21	.72	1.27	-48.54	.05	.02		.02	.02	.003
		2.3	11.54	65.51	-7.67	.72	1.27	-48.54	.05	.02		.02	.02	.003
		3.4	11.54	82.92	-17.55	.72	1.27	-48.54	.05	.03		.02	.02	.003
		4.6	11.54	100.34	-27.43	.72	1.27	-48.54	.05	.04		.02	.02	.004
401- 510 P1- 1		0.0	-11.35	31.55	-37.71	-.01	-1.05	26.22	-.05	-.02		.02	.02	.003
		1.1	-11.35	17.18	-29.41	-.01	-1.05	26.22	-.05	-.02		.02	.02	.003
		2.3	-11.35	2.80	-21.11	-.01	-1.05	26.22	-.05	-.01		.02	.02	.003
		3.4	-11.35	-11.58	-12.80	-.01	-1.05	26.22	-.05	-.01		.02	.02	.003
		4.6	-11.35	-25.96	-4.50	-.01	-1.05	26.22	-.05	-.01		.02	.02	.003
403- 503 JL4- 1		0.0	126.21	84.34	16.80	-.68	1.23	44.37	.50	.03		.02	.02	.024
		1.1	126.21	101.16	26.17	-.68	1.23	44.37	.50	.04		.02	.02	.025
		2.3	126.21	117.98	35.54	-.68	1.23	44.37	.50	.04		.02	.02	.025
		3.4	126.21	134.80	44.91	-.68	1.23	44.37	.50	.05		.02	.02	.025
		4.6	126.21	151.62	54.28	-.68	1.23	44.37	.50	.06		.02	.02	.025
403- 511 P1- 1		0.0	-126.39	-23.50	59.23	.46	-1.20	-21.60	-.57	-.03		.02	.02	.026
		1.1	-126.39	-39.98	52.98	.46	-1.20	-21.60	-.57	-.03		.02	.02	.026
		2.3	-126.39	-56.46	46.73	.46	-1.20	-21.60	-.57	-.03		.02	.02	.026
		3.4	-126.39	-72.94	40.48	.46	-1.20	-21.60	-.57	-.04		.02	.02	.028
		4.6	-126.39	-89.42	34.22	.46	-1.20	-21.60	-.57	-.04		.02	.02	.029
405- 506 JL4- 1		0.0	-109.57	-38.96	-25.35	-1.11	1.25	25.75	-.43	-.02		.02	.02	.021
		1.1	-109.57	-21.79	-10.13	-1.11	1.25	25.75	-.43	-.01		.02	.02	.020
		2.3	-109.57	-4.63	5.10	-1.11	1.25	25.75	-.43	-.00		.02	.02	.020
		3.4	-109.57	12.54	20.33	-1.11	1.25	25.75	-.43	-.01		.02	.02	.020
		4.6	-109.57	29.71	35.56	-1.11	1.25	25.75	-.43	-.02		.02	.02	.021
405- 512 P1- 1		0.0	109.58	-4.21	-11.30	1.24	-1.37	-20.94	.50	.01		.02	.02	.023
		1.1	109.58	-22.95	-28.32	1.24	-1.37	-20.94	.50	.02		.02	.02	.024
		2.3	109.58	-41.70	-45.34	1.24	-1.37	-20.94	.50	.03		.02	.02	.024
		3.4	109.58	-60.45	-62.35	1.24	-1.37	-20.94	.50	.04		.02	.02	.025
		4.6	109.58	-79.19	-79.37	1.24	-1.37	-20.94	.50	.05		.02	.02	.025
501- 502 105- 1		0.0	-3.06	2.19	-39.23	-.30	.01	.79	-.10	-.35		.02	.02	.020
		3.8	-3.06	2.54	-25.44	-.30	.01	.79	-.10	-.23		.02	.02	.015
		7.6	-3.06	2.88	-11.64	-.30	.01	.79	-.10	-.11		.02	.02	.010
		11.4	-3.06	3.23	2.15	-.30	.01	.79	-.10	-.03		.02	.02	.007
		15.1	-3.06	3.58	15.94	-.30	.01	.79	-.10	-.15		.02	.02	.012

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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
501- 504	105- 1	0.0	2.52	3.08	-40.52	-.32	-.01	-1.89	.08	.36		.03	.03	.019
		3.8	2.52	2.53	-25.80	-.32	-.01	-1.89	.08	.23		.03	.03	.014
		7.6	2.52	1.97	-11.07	-.32	-.01	-1.89	.08	.10		.03	.03	.008
		11.4	2.52	1.42	3.65	-.32	-.01	-1.89	.08	.04		.03	.03	.005
		15.1	2.52	.86	18.37	-.32	-.01	-1.89	.08	.16		.03	.03	.011
501- 601	JL5- 1	0.0	12.22	119.72	-18.04	-2.30	-1.99	-118.20	.09	.08		.08	.08	.007
		1.5	12.22	83.41	23.85	-2.30	-1.99	-118.20	.09	.05		.08	.08	.006
		3.0	12.22	47.10	65.75	-2.30	-1.99	-118.20	.09	.05		.08	.08	.006
		4.6	12.22	10.78	107.65	-2.30	-1.99	-118.20	.09	.07		.08	.08	.007
		6.1	12.22	-25.55	149.54	-2.30	-1.99	-118.20	.09	.10		.08	.08	.008
501- 622	200- 1	0.0	-2.79	22.72	13.83	.19	-.07	4.93	-.07	-.15		.02	.02	.010
		5.1	-2.79	18.20	2.40	.19	-.07	4.93	-.07	-.10		.02	.02	.008
		10.2	-2.79	13.68	-9.02	.19	-.07	4.93	-.07	-.09		.02	.02	.008
		15.3	-2.79	9.16	-20.45	.19	-.07	4.93	-.07	-.13		.02	.02	.009
		20.4	-2.79	4.64	-31.88	.19	-.07	4.93	-.07	-.18		.02	.02	.011
502- 503	105- 1	0.0	-3.41	3.59	13.93	.19	.02	-.33	-.11	-.13		.01	.01	.012
		3.8	-3.41	4.34	5.49	.19	.02	-.33	-.11	-.06		.01	.01	.009
		7.6	-3.41	5.29	-2.96	.19	.02	-.33	-.11	-.05		.01	.01	.009
		11.4	-3.41	6.24	-11.40	.19	.02	-.33	-.11	-.12		.01	.01	.011
		15.1	-3.41	7.18	-19.84	.19	.02	-.33	-.11	-.19		.01	.01	.014
502- 504	105- 1	0.0	-.06	.64	1.95	.02	-.01	.01	-.00	-.07		.00	.00	.003
		3.8	-.06	.28	1.03	.02	-.01	.01	-.00	-.04		.00	.00	.002
		7.6	-.06	-.08	.10	.02	-.01	.01	-.00	-.00		.00	.00	.000
		11.4	-.06	-.44	-.82	.02	-.01	.01	-.00	.03		.00	.00	.002
		15.2	-.06	-.81	-1.75	.02	-.01	.01	-.00	-.06		.00	.00	.003
502- 505	105- 1	0.0	.61	.76	.06	-.01	-.01	-.17	.05	.03		.00	.00	.003
		3.8	.61	.52	.45	-.01	-.01	-.17	.05	.02		.00	.00	.003
		7.6	.61	.28	.83	-.01	-.01	-.17	.05	.03		.00	.00	.004
		11.4	.61	.04	1.22	-.01	-.01	-.17	.05	.04		.00	.00	.004
		15.2	.61	-.20	1.60	-.01	-.01	-.17	.05	.05		.00	.00	.005
503- 505	105- 1	0.0	-2.33	5.78	15.57	.09	-.03	1.97	-.08	-.15		.02	.02	.011
		3.4	-2.33	4.27	11.58	.09	-.03	1.97	-.08	-.11		.02	.02	.009
		7.6	-2.33	2.76	7.58	.09	-.03	1.97	-.08	-.07		.02	.02	.007
		11.4	-2.33	1.25	3.58	.09	-.03	1.97	-.08	-.03		.02	.02	.006
		15.1	-2.33	-.25	-.41	.09	-.03	1.97	-.08	-.00		.02	.02	.004
503- 603	JL5- 1	0.0	115.07	78.71	29.93	1.96	-.35	93.34	.81	.05		.06	.06	.039
		1.5	115.07	72.26	-5.87	1.96	-.35	93.34	.81	.05		.06	.06	.039
		3.0	115.07	65.81	-41.67	1.96	-.35	93.34	.81	.05		.06	.06	.039
		4.6	115.07	59.36	-77.46	1.96	-.35	93.34	.81	.06		.06	.06	.040
		6.1	115.07	52.91	-113.26	1.96	-.35	93.34	.81	.08		.06	.06	.041

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MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
503- 625	200- 1	0.0	7.92	60.18	26.01	.10	-.45	3.95	.21	.37		.04	.04	.025
		5.1	7.92	52.72	19.83	.10	-.45	3.95	.21	.21		.04	.04	.019
		10.1	7.92	5.27	13.66	.10	-.45	3.95	.21	.08		.04	.04	.013
		15.2	7.92	-22.18	7.49	.10	-.45	3.95	.21	.13		.04	.04	.015
		20.3	7.92	-49.63	1.31	.10	-.45	3.95	.21	.26		.04	.04	.021
504- 505	105- 1	0.0	-.57	.09	-.39	-.01	.00	.17	-.05	-.01		.00	.00	.003
		3.8	-.57	.19	.17	-.01	.00	.17	-.05	-.01		.00	.00	.003
		7.6	-.57	.29	.73	-.01	.00	.17	-.05	-.03		.00	.00	.004
		11.4	-.57	.39	1.29	-.01	.00	.17	-.05	-.05		.00	.00	.004
		15.2	-.57	.49	1.85	-.01	.00	.17	-.05	-.06		.00	.00	.005
504- 506	105- 1	0.0	2.78	.25	17.02	.23	-.02	-2.58	.09	.15		.03	.03	.011
		3.8	2.78	-.77	6.41	.23	-.02	-2.58	.09	.06		.03	.03	.007
		7.6	2.78	-1.78	-4.19	.23	-.02	-2.58	.09	.04		.03	.03	.006
		11.4	2.78	-2.80	-14.79	.23	-.02	-2.58	.09	.13		.03	.03	.010
		15.2	2.78	-3.82	-25.40	.23	-.02	-2.58	.09	.23		.03	.03	.014
505- 506	105- 1	0.0	-1.73	-.01	3.03	.12	-.04	1.55	-.06	-.03		.02	.02	.004
		3.8	-1.73	-2.26	-2.60	.12	-.04	1.55	-.06	-.03		.02	.02	.004
		7.6	-1.73	-3.91	-8.24	.12	-.04	1.55	-.06	-.08		.02	.02	.007
		11.4	-1.73	-5.56	-13.88	.12	-.04	1.55	-.06	-.13		.02	.02	.009
		15.2	-1.73	-7.21	-19.51	.12	-.04	1.55	-.06	-.19		.02	.02	.011
506- 606	JL5- 1	0.0	-107.16	28.00	-19.64	.41	-1.92	21.85	-.75	-.02		.03	.03	.036
		1.5	-107.16	-6.41	-27.07	.41	-1.92	21.85	-.75	-.02		.03	.03	.036
		3.0	-107.16	-41.42	-34.51	.41	-1.92	21.85	-.75	-.03		.03	.03	.036
		4.6	-107.16	-76.43	-41.95	.41	-1.92	21.85	-.75	-.05		.03	.03	.037
		6.1	-107.16	-111.44	-49.38	.41	-1.92	21.85	-.75	-.08		.03	.03	.038
506- 624	200- 1	0.0	-5.08	57.79	-54.54	-.41	-.27	-7.20	-.13	-.37		.05	.05	.022
		5.1	-5.08	21.17	-29.62	-.41	-.27	-7.20	-.13	-.20		.05	.05	.015
		10.1	-5.08	4.55	-4.71	-.41	-.27	-7.20	-.13	-.04		.05	.05	.008
		15.2	-5.08	-12.07	20.21	-.41	-.27	-7.20	-.13	-.13		.05	.05	.012
		20.2	-5.08	-28.52	44.91	-.38	-.22	-7.20	-.13	-.30		.04	.04	.019
510- 710	P1- 1	0.0	-11.35	-25.96	-4.65	-1.97	-.42	26.20	-.05	-.01		.02	.02	.003
		6.3	-11.35	-57.79	144.42	-1.97	-.42	26.20	-.05	-.07		.02	.02	.006
		12.7	-11.35	-89.63	294.29	-1.97	-.42	26.20	-.05	-.14		.02	.02	.009
		19.0	-11.35	-121.47	443.75	-1.97	-.42	26.20	-.05	-.22		.02	.02	.012
		25.3	-11.35	-153.30	593.22	-1.97	-.42	26.20	-.05	-.29		.02	.02	.015
511- 711	P1- 1	0.0	-126.39	-89.25	34.77	1.94	1.97	-21.52	-.57	-.04		.03	.03	.030
		6.3	-126.39	60.74	-112.66	1.94	1.97	-21.52	-.57	-.06		.03	.03	.030
		12.7	-126.39	210.79	-260.09	1.94	1.97	-21.52	-.57	-.10		.03	.03	.034
		19.0	-126.39	360.66	-407.52	1.94	1.97	-21.52	-.57	-.25		.03	.03	.039
		25.3	-126.39	510.62	-554.95	1.94	1.97	-21.52	-.57	-.35		.03	.03	.043

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LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	P1- 1	0.0	109.58	-79.19	-79.36	-.40	-.97	-20.98	.50	.05		.01	.01	.025
		6.3	109.58	-152.87	-48.62	-.40	-.97	-20.98	.50	.08		.01	.01	.026
		12.7	109.58	-226.55	-17.87	-.40	-.97	-20.98	.50	.11		.01	.01	.027
		19.0	109.58	-300.22	12.87	-.40	-.97	-20.98	.50	.14		.01	.01	.029
		25.3	109.58	-373.90	43.62	-.40	-.97	-20.98	.50	.18		.01	.01	.030
611- 621	JL6- 1	0.0	11.53	-54.47	122.41	-1.76	-1.61	-144.78	.08	.08		.08	.08	.007
		1.5	11.53	-65.66	154.53	-1.76	-1.61	-144.78	.08	.11		.08	.08	.008
		3.0	11.53	-93.25	186.65	-1.76	-1.61	-144.78	.08	.13		.08	.08	.009
		4.6	11.53	-122.04	218.77	-1.76	-1.61	-144.78	.08	.16		.08	.08	.010
		6.1	11.53	-152.03	250.89	-1.76	-1.61	-144.78	.08	.18		.08	.08	.011
613- 623	JL6- 1	0.0	114.19	39.43	-75.69	1.59	-.13	114.72	.80	.05		.06	.06	.039
		1.5	114.19	37.02	-104.63	1.59	-.13	114.72	.80	.07		.06	.06	.040
		3.0	114.19	34.62	-133.57	1.59	-.13	114.72	.80	.09		.06	.06	.041
		4.6	114.19	32.21	-162.52	1.59	-.13	114.72	.80	.10		.06	.06	.041
		6.1	114.19	29.81	-191.46	1.59	-.13	114.72	.80	.12		.06	.06	.042
606- 626	JL6- 1	0.0	-107.16	-111.44	-49.31	.41	-2.27	22.01	-.75	-.08		.04	.04	.038
		1.5	-107.16	-152.77	-56.75	.41	-2.27	22.01	-.75	-.10		.04	.04	.039
		3.0	-107.16	-194.10	-64.18	.41	-2.27	22.01	-.75	-.13		.04	.04	.040
		4.6	-107.16	-235.25	-71.49	.36	-2.19	22.01	-.75	-.15		.04	.04	.042
		6.1	-107.28	-275.44	-78.97	.15	-1.85	22.01	-.75	-.18		.03	.03	.043
621- 651	JL6- 1	0.0	11.53	-150.91	251.43	-1.76	-1.59	-145.01	.08	.18		.08	.08	.011
		1.5	11.54	-179.76	282.01	-1.45	-1.57	-145.01	.08	.21		.08	.08	.013
		3.0	11.54	-208.12	303.20	-.87	-1.54	-145.01	.08	.23		.07	.07	.013
		4.6	11.55	-235.96	313.95	-.51	-1.51	-145.01	.08	.25		.07	.07	.014
		6.1	11.55	-263.30	314.37	.26	-1.49	-145.01	.08	.26		.07	.07	.015
622- 703	200- 1	0.0	-2.79	4.66	-31.81	.19	-.11	5.30	-.07	-.18		.03	.03	.011
		5.4	-2.79	-2.07	-43.18	.08	-.09	5.30	-.07	-.24		.02	.02	.014
		10.9	-2.80	-5.78	-35.88	-.30	-.03	5.30	-.07	-.20		.03	.03	.012
		16.3	-2.78	-6.17	-3.53	-.69	.01	5.30	-.07	-.04		.05	.05	.005
		21.8	-2.78	-5.44	55.12	-1.04	.01	5.30	-.07	-.30		.07	.07	.016
623- 653	JL6- 1	0.0	114.19	30.66	-191.15	1.49	.04	115.02	.80	.12		.06	.06	.042
		1.5	114.19	31.52	-218.38	1.49	.04	115.02	.80	.14		.06	.06	.043
		3.0	114.19	31.98	-245.61	1.49	.04	115.02	.80	.16		.06	.06	.044
		4.6	114.09	30.46	-271.44	1.30	-.27	115.02	.80	.17		.05	.05	.044
		6.1	113.97	21.90	-292.76	1.04	-.67	115.02	.80	.18		.05	.05	.045
624- 701	200- 1	0.0	-5.06	-28.33	44.91	-.38	-.22	-7.19	-.13	-.30		.04	.04	.019
		5.5	-5.09	-32.42	58.29	-.03	.09	-7.19	-.13	-.37		.02	.02	.022
		11.0	-5.09	-17.74	48.54	.33	.35	-7.19	-.13	-.29		.05	.05	.019
		16.5	-5.09	12.71	14.75	.70	.56	-7.19	-.13	-.11		.07	.07	.011
		21.9	-5.09	55.58	-45.15	1.05	.73	-7.19	-.13	-.39		.09	.09	.023

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
625- 706	200- 1	0.0	7.92	-49.65	1.29	.10	-.45	3.92	.21	.28		.04	.04	.021
		5.5	7.92	-64.30	-4.97	.09	.06	3.92	.21	.36		.02	.02	.025
		11.0	7.92	-41.95	-10.14	.07	.61	3.92	.21	.24		.04	.04	.020
		16.4	7.92	16.09	-13.58	.04	1.15	3.92	.21	.12		.07	.07	.015
		21.9	7.91	106.49	-15.15	.00	1.65	3.92	.21	.61		.10	.10	.035
625- 656	JL6- 1	0.0	-107.26	-273.06	-76.77	.21	-1.78	21.89	-.75	-.18		.03	.03	.043
		1.5	-107.06	-300.86	-77.73	-.11	-1.27	21.89	-.75	-.20		.02	.02	.043
		3.0	-106.91	-319.49	-72.92	-.42	-.77	21.89	-.75	-.21		.02	.02	.044
		4.6	-106.75	-329.05	-62.45	-.73	-.28	21.89	-.75	-.21		.02	.02	.044
		6.1	-106.59	-329.69	-46.32	-1.04	.21	21.89	-.75	-.21		.02	.02	.044
651- 701	JL6- 1	0.0	11.36	-268.74	281.74	2.47	-.66	-187.15	.08	.24		.09	.09	.014
		1.5	11.35	-283.18	222.08	3.13	-.69	-187.15	.08	.23		.10	.10	.013
		3.3	11.35	-298.19	148.61	3.77	-.72	-187.15	.08	.21		.11	.11	.012
		5.3	11.35	-313.74	61.55	4.40	-.74	-187.15	.08	.20		.12	.12	.012
		7.1	11.34	-329.65	-38.89	5.03	-.77	-187.15	.08	.21		.13	.13	.012
653- 703	JL6- 1	0.0	119.75	65.58	-290.90	-.52	-1.03	135.13	.84	.19		.06	.06	.047
		1.8	119.75	37.85	-281.07	-.60	-1.57	135.13	.84	.18		.07	.07	.046
		3.5	119.76	-1.19	-265.18	-.69	-2.10	135.13	.84	.17		.07	.07	.046
		5.3	119.76	-51.38	-245.37	-1.16	-2.62	135.13	.84	.16		.08	.08	.045
		7.1	119.76	-112.53	-215.75	-1.43	-3.13	135.13	.84	.15		.09	.09	.045
656- 706	JL6- 1	0.0	-106.59	-329.69	-46.33	-1.04	.26	21.87	-.75	-.21		.02	.02	.044
		1.8	-106.59	-317.75	-20.36	-1.40	.86	21.87	-.75	-.20		.03	.03	.043
		3.5	-106.59	-292.97	13.36	-1.76	1.46	21.87	-.75	-.18		.04	.04	.043
		5.3	-106.59	-255.55	54.63	-2.11	2.05	21.87	-.75	-.16		.05	.05	.042
		7.1	-106.59	-205.70	103.27	-2.46	2.63	21.87	-.75	-.14		.06	.06	.041
701- 702	137- 1	0.0	-9.47	134.11	-17.98	.07	-1.56	11.16	-.49	-2.39		.26	.26	.133
		4.7	-9.47	53.41	-18.21	-.07	-1.29	11.16	-.49	-1.00		.23	.23	.075
		9.4	-9.47	-11.11	-10.51	-.21	-1.02	11.16	-.49	-.27		.21	.21	.044
		14.1	-9.47	-61.62	5.10	-.35	-.77	11.16	-.49	-1.09		.19	.19	.079
		18.8	-9.47	-98.26	28.65	-.49	-.53	11.16	-.49	-1.80		.17	.17	.109
701- 704	137- 1	0.0	.79	156.59	-19.88	.03	-1.81	-8.18	.04	2.82		.26	.26	.121
		4.7	.78	64.95	-18.56	-.08	-1.52	-8.18	.04	1.19		.23	.23	.052
		9.4	.77	-12.21	-10.95	-.18	-1.22	-8.18	.04	.29		.20	.20	.014
		14.1	.77	-72.22	2.35	-.29	-.91	-8.18	.04	1.27		.17	.17	.055
		18.8	.76	-114.43	21.54	-.39	-.59	-8.18	.04	2.05		.15	.15	.088
701- 801	JL7- 1	0.0	-4.45	76.94	78.51	-4.03	-.31	-102.56	-.06	-.14		.18	.18	.009
		7.1	-4.46	47.23	320.82	-1.68	-.39	-102.56	-.06	-.41		.11	.11	.020
		14.2	-4.48	9.90	564.67	.54	-.49	-102.56	-.06	-.47		.09	.09	.023
		21.3	-4.49	-35.57	232.26	2.05	-.58	-102.56	-.06	-.30		.14	.14	.016
		28.4	-4.51	-86.94	-80.99	4.69	-.67	-102.56	-.06	-.15		.20	.20	.010

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DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
701- 806	200- 1	0.0	13.63	130.88	89.22	1.21	-1.53	4.58	.36	.89		.12	.12	.054
		12.5	13.62	-33.82	-43.74	.56	-.68	4.58	.36	.31		.06	.06	.030
		25.1	13.59	-81.19	-81.51	-.05	.03	4.58	.36	.64		.02	.02	.044
		37.6	13.54	-29.91	-30.50	-.02	.63	4.58	.36	.24		.06	.06	.027
		50.2	13.52	109.67	100.54	-1.11	1.23	4.58	.36	.83		.10	.10	.052
702- 703	137- 1	0.0	-10.09	-95.61	20.13	.42	.56	-12.02	-.52	-1.72		.18	.18	.107
		4.7	-10.09	-57.58	.39	.28	.74	-12.02	-.52	-1.02		.19	.19	.076
		9.4	-10.09	-7.02	-10.77	.12	1.01	-12.02	-.52	-.23		.21	.21	.044
		14.1	-10.09	55.42	-12.69	-.05	1.21	-12.02	-.52	-1.00		.23	.23	.077
		18.8	-10.09	129.08	-4.71	-.23	1.40	-12.02	-.52	-2.28		.25	.25	.131
702- 704	107- 1	0.0	.25	16.04	-.43	.00	-.57	.46	.02	.54		.10	.10	.024
		4.7	.25	-9.41	-.61	.00	-.33	.46	.02	.32		.06	.06	.014
		9.4	.25	-20.35	-.79	.00	-.06	.46	.02	.68		.02	.02	.030
		14.1	.25	-15.47	-.98	.00	.24	.46	.02	.52		.05	.05	.023
		18.8	.25	6.56	-1.16	.00	.55	.46	.02	.22		.10	.10	.010
702- 705	107- 1	0.0	.97	11.13	8.94	.29	-.52	-.23	.08	.48		.10	.10	.024
		4.7	.98	-11.35	-2.62	.13	-.28	-.23	.08	.39		.06	.06	.020
		9.4	.98	-19.99	-5.59	-.02	-.03	-.23	.08	.69		.01	.01	.033
		14.1	.98	-14.12	-.87	-.15	.24	-.23	.08	.47		.05	.05	.024
		18.8	.98	6.92	10.64	-.26	.51	-.23	.08	.42		.10	.10	.022
703- 705	137- 1	0.0	4.52	141.03	22.01	.16	-1.52	10.43	.24	2.52		.25	.25	.117
		4.7	4.52	80.83	12.79	.16	-1.32	10.43	.24	1.10		.23	.23	.057
		9.4	4.52	-7.49	3.57	.16	-1.10	10.43	.24	.15		.21	.21	.017
		14.1	4.52	-62.82	-5.66	.16	-.85	10.43	.24	1.11		.18	.18	.056
		18.8	4.52	-103.25	-14.88	.16	-.59	10.43	.24	1.84		.16	.16	.088
703- 801	200- 1	0.0	14.68	120.19	-154.63	-1.70	-1.25	-6.13	.39	1.10		.13	.13	.064
		12.5	14.63	-16.19	36.10	-.85	-.58	-6.13	.38	.22		.07	.07	.027
		25.1	14.62	-56.59	105.25	-.07	-.00	-6.13	.38	.67		.02	.02	.046
		37.6	14.59	-23.37	58.73	.69	.45	-6.13	.38	.35		.06	.06	.033
		50.2	14.56	77.45	-97.57	1.37	.89	-6.13	.38	.70		.10	.10	.047
703- 803	JL7- 1	0.0	106.32	263.53	-181.56	1.05	2.16	1.58	1.50	.41		.07	.07	.047
		7.1	106.30	366.70	-227.90	.04	.28	1.58	1.50	.55		.01	.01	.043
		14.2	106.29	313.92	-188.83	-.95	-1.50	1.58	1.50	.47		.05	.05	.049
		21.3	106.29	112.90	-66.80	-1.91	-3.21	1.58	1.50	.17		.11	.11	.077
		28.4	106.31	-230.57	134.70	-2.82	-4.84	1.58	1.50	.34		.16	.16	.084
704- 705	107- 1	0.0	-1.09	10.92	9.95	.23	-.60	-.24	-.09	-.49		.11	.11	.026
		4.7	-1.09	-13.82	-.03	.13	-.28	-.24	-.09	-.46		.06	.06	.025
		9.4	-1.09	-20.74	-4.07	.02	.03	-.24	-.09	-.71		.01	.01	.035
		14.1	-1.09	-10.51	-1.51	-.11	.33	-.24	-.09	-.36		.06	.06	.020
		18.8	-1.09	16.22	8.30	-.24	.62	-.24	-.09	-.61		.12	.12	.051

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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FY KIPS	SHEAR FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
704- 706	137- 1	0.0	1.63	-116.60	10.45	.23	.57	7.35	.08	2.07		.13	.13	.091
		4.7	1.63	-75.63	.36	.13	.90	7.35	.08	1.33		.16	.16	.060
		9.4	1.63	-15.32	-4.39	.04	1.25	7.35	.08	.28		.19	.19	.016
		14.1	1.64	84.80	-4.38	-.04	1.60	7.35	.09	1.15		.23	.23	.052
		18.8	1.65	185.38	-.20	-.11	1.97	7.35	.09	2.92		.27	.27	.127
705- 706	137- 1	0.0	6.00	-108.31	4.07	.05	.54	-9.63	.31	1.91		.14	.14	.095
		4.7	6.00	-69.62	1.05	.05	.83	-9.63	.31	1.23		.17	.17	.066
		9.4	6.00	-14.42	-1.96	.05	1.13	-9.63	.31	.26		.20	.20	.025
		14.1	6.00	57.44	-4.97	.05	1.44	-9.63	.31	1.05		.23	.23	.058
		18.8	6.00	148.12	-7.98	.05	1.76	-9.63	.31	2.62		.27	.27	.125
706- 803	200- 1	0.0	-25.66	17.00	44.35	.27	-.45	2.49	-.70	-.27		.03	.03	.054
		12.5	-25.70	-7.40	10.30	.18	.05	2.49	-.70	-.07		.02	.02	.046
		25.1	-25.70	12.31	-9.95	.10	.16	2.49	-.70	-.09		.02	.02	.047
		37.6	-25.72	28.56	-20.37	.04	.02	2.49	-.70	-.20		.01	.01	.051
		50.2	-25.75	6.52	-22.42	-.01	-.33	2.49	-.70	-.13		.02	.02	.048
706- 806	JL7- 1	0.0	-93.51	173.55	156.97	2.88	-5.00	89.63	-1.32	-.30		.22	.22	.077
		7.1	-93.51	-159.26	-31.48	1.56	-2.83	89.63	-1.32	-.21		.15	.15	.073
		14.2	-93.53	-311.26	-111.15	.32	-.76	89.63	-1.32	-.42		.08	.08	.082
		21.3	-93.54	-291.48	-88.10	-.85	1.20	89.63	-1.32	-.39		.10	.10	.081
		28.4	-93.54	-109.28	31.63	-1.95	3.06	89.63	-1.32	-.14		.16	.16	.071
710- 810	M2- 1	0.0	-11.35	-152.42	593.46	-.08	.77	26.00	-.05	-.26		.01	.01	.013
		7.1	-11.35	-86.94	600.65	-.08	.77	26.00	-.05	-.25		.01	.01	.013
		14.2	-11.35	-21.46	607.84	-.08	.77	26.00	-.05	-.25		.01	.01	.013
		21.3	-11.35	44.02	615.04	-.08	.77	26.00	-.05	-.26		.01	.01	.013
		28.4	-11.35	109.50	622.23	-.08	.77	26.00	-.05	-.26		.01	.01	.013
711- 811	M2- 1	0.0	-126.39	511.44	-554.21	-1.05	.25	-21.18	-.50	-.31		.01	.01	.038
		7.1	-126.39	532.57	-464.95	-1.05	.25	-21.18	-.50	-.29		.01	.01	.037
		14.2	-126.39	553.70	-375.69	-1.05	.25	-21.18	-.50	-.28		.01	.01	.036
		21.3	-126.39	574.83	-286.42	-1.05	.25	-21.18	-.50	-.27		.01	.01	.036
		28.4	-126.39	595.96	-197.16	-1.05	.25	-21.18	-.50	-.26		.01	.01	.036
712- 812	M2- 1	0.0	109.58	-373.90	43.61	1.25	-.90	-20.99	.44	.16		.02	.02	.027
		7.1	109.58	-450.82	-62.52	1.25	-.90	-20.99	.44	.19		.02	.02	.028
		14.2	109.58	-527.75	-168.66	1.25	-.90	-20.99	.44	.23		.02	.02	.030
		21.3	109.58	-604.68	-274.79	1.25	-.90	-20.99	.44	.28		.02	.02	.032
		28.4	109.58	-681.61	-380.92	1.25	-.90	-20.99	.44	.33		.02	.02	.034
801- 802	148- 1	0.0	-1.25	71.41	-35.82	.07	-.70	8.19	-.06	-1.15		.13	.13	.055
		5.7	-1.25	27.44	-34.33	-.10	-.59	8.19	-.06	-.64		.12	.12	.051
		11.4	-1.25	-8.74	-21.35	-.26	-.47	8.19	-.06	-.33		.11	.11	.018
		17.1	-1.25	-37.12	5.31	-.45	-.36	8.19	-.06	-.54		.11	.11	.027
		22.8	-1.25	-57.72	59.66	-.62	-.24	8.19	-.06	-1.01		.12	.12	.047

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MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804	140- 1	0.0	10.22	102.20	-39.93	-.03	-.90	-3.00	.48	1.59		.11	.11	.089
		5.7	10.21	44.64	-33.26	-.16	-.78	-3.00	.48	.81		.10	.10	.056
		11.4	10.20	-4.15	-17.89	-.29	-.64	-3.00	.48	.27		.09	.09	.033
		17.1	10.20	-43.20	6.17	-.42	-.50	-3.00	.48	.63		.08	.08	.049
		22.8	10.19	-71.53	34.93	-.54	-.33	-3.00	.48	1.18		.08	.08	.072
801- 901	JL8- 1	0.0	13.23	112.38	-85.53	-4.15	-.31	-6.68	.19	.18		.12	.12	.016
		8.1	13.22	77.66	208.10	-1.90	-.39	-6.68	.19	.28		.06	.06	.021
		16.2	13.21	37.28	286.34	.28	-.43	-6.68	.19	.37		.02	.02	.024
		24.3	13.21	-5.77	155.78	2.39	-.46	-6.68	.19	.20		.07	.07	.017
		32.4	13.20	-52.02	-177.95	4.45	-.50	-6.68	.19	.24		.13	.13	.019
801- 903	200- 1	0.0	-21.56	-40.79	115.52	1.59	.26	7.54	-.57	-.69		.10	.10	.067
		14.9	-21.57	1.93	-66.77	.85	.20	7.54	-.57	-.37		.06	.06	.054
		29.8	-21.55	25.85	-116.10	-.10	.05	7.54	-.57	-.67		.03	.03	.066
		44.7	-21.61	16.48	-33.21	-.85	-.16	7.54	-.57	-.21		.07	.07	.047
		59.6	-21.68	-32.71	173.76	-1.47	-.39	7.54	-.57	-.99		.10	.10	.040
802- 803	140- 1	0.0	-2.18	-54.71	24.90	.44	.29	-9.88	-.10	-.87		.12	.12	.044
		5.7	-2.18	-31.01	.86	.27	.40	-9.88	-.10	-.45		.12	.12	.026
		11.4	-2.18	-.49	-11.49	.10	.49	-9.88	-.10	-.17		.12	.12	.014
		17.1	-2.18	35.88	-12.16	-.08	.57	-9.88	-.10	-.55		.13	.13	.030
		22.9	-2.18	77.11	-1.14	-.25	.63	-9.88	-.10	-1.12		.14	.14	.054
802- 804	108- 1	0.0	-.01	15.16	2.12	.01	-.30	-.49	-.00	-.45		.06	.06	.019
		5.7	-.01	-5.16	1.30	.01	-.18	-.49	-.00	-.11		.04	.04	.005
		11.4	-.01	-10.72	.49	.01	-.04	-.49	-.00	-.36		.02	.02	.015
		17.1	-.01	-8.53	-.33	.01	.11	-.49	-.00	-.29		.03	.03	.012
		22.8	-.01	4.37	-1.14	.01	.27	-.49	-.00	-.15		.05	.05	.006
802- 805	108- 1	0.0	1.37	7.14	12.64	.26	-.24	.49	.12	.49		.07	.07	.026
		5.7	1.36	-5.26	-.58	.13	-.12	.49	.11	.18		.04	.04	.013
		11.4	1.36	-9.66	-5.10	.00	-.01	.49	.11	.37		.01	.01	.021
		17.1	1.35	-8.07	-.92	-.12	.10	.49	.11	.23		.04	.04	.015
		22.8	1.34	4.31	11.96	-.25	.22	.49	.11	.43		.06	.06	.023
803- 805	148- 1	0.0	-9.31	87.08	17.20	.08	-.70	7.89	-.44	-1.29		.12	.12	.086
		5.7	-9.31	41.97	11.51	.08	-.63	7.89	-.44	-.63		.12	.12	.058
		11.4	-9.31	2.09	5.82	.08	-.53	7.89	-.44	-.09		.11	.11	.035
		17.1	-9.31	-30.32	.12	.08	-.42	7.89	-.44	-.44		.10	.10	.050
		22.9	-9.31	-54.94	-5.57	.08	-.30	7.89	-.44	-.80		.09	.09	.065
805- 903	JL8- 1	0.0	67.49	67.09	58.93	1.75	2.54	64.24	.95	.10		.13	.13	.048
		8.1	67.50	226.82	-82.69	.76	.75	64.24	.95	.31		.07	.07	.057
		16.2	67.48	215.99	-110.00	-.19	-.96	64.24	.95	.31		.07	.07	.057
		24.3	67.45	42.10	-47.29	-1.10	-2.60	64.24	.95	.08		.12	.12	.048
		32.4	67.44	-249.12	103.42	-2.00	-4.19	64.24	.95	.39		.17	.17	.061

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U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z KSI	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
803- 906	200- 1	0.0	41.03	154.94	46.14	.14	-1.25	-.42	1.08	.90		.07	.07	.088
		14.9	41.02	-10.15	21.75	.14	-.61	-.42	1.08	.13		.03	.03	.056
		29.8	41.04	-69.80	-2.59	.15	-.06	-.42	1.08	.39		.01	.01	.066
		44.7	40.98	-36.31	-21.29	.07	.43	-.42	1.08	.24		.02	.02	.060
		59.6	40.91	84.35	-28.77	.01	.92	-.42	1.08	.50		.05	.05	.071
804- 805	108- 1	0.0	-1.21	3.85	9.46	.22	-.28	-.31	-.10	-.34		.06	.06	.021
		5.7	-1.21	-9.45	-1.66	.11	-.11	-.31	-.10	-.32		.03	.03	.020
		11.4	-1.21	-12.00	-4.98	-.01	.04	-.31	-.10	-.43		.01	.01	.025
		17.1	-1.21	-4.81	-.51	-.12	.17	-.31	-.10	-.16		.04	.04	.013
		22.8	-1.21	11.16	11.76	-.24	.29	-.31	-.10	-.54		.07	.07	.029
804- 806	148- 1	0.0	10.99	-70.57	28.33	.41	.22	3.99	.52	1.10		.07	.07	.070
		5.7	10.98	-49.67	4.63	.29	.40	3.99	.52	.72		.07	.07	.054
		11.4	10.99	-16.12	-11.22	.18	.59	3.99	.52	.28		.09	.09	.036
		17.1	11.00	31.08	-20.06	.08	.79	3.99	.52	.54		.10	.10	.047
		22.8	11.01	92.89	-22.72	-.00	1.02	3.99	.52	1.36		.12	.12	.092
805- 806	148- 1	0.0	-7.61	-58.20	18.15	.19	.21	-5.09	-.36	-.88		.06	.06	.063
		5.7	-7.61	-39.97	5.48	.19	.33	-5.09	-.36	-.58		.07	.07	.050
		11.4	-7.61	-12.96	-7.20	.19	.46	-5.09	-.36	-.21		.08	.08	.035
		17.1	-7.61	23.78	-19.87	.19	.61	-5.09	-.36	-.45		.10	.10	.044
		22.8	-7.61	71.25	-32.55	.19	.78	-5.09	-.36	-1.13		.11	.11	.073
805- 901	200- 1	0.0	-21.89	-3.86	-145.61	-1.54	-.27	-7.02	-.58	-.82		.09	.09	.073
		14.9	-21.90	-25.17	40.14	-.73	.01	-7.02	-.58	-.27		.06	.06	.050
		29.8	-21.91	-8.48	111.13	-.06	.15	-7.02	-.58	-.62		.03	.03	.045
		44.7	-21.93	17.69	56.54	.67	.15	-7.02	-.58	-.33		.06	.06	.052
		59.6	-21.93	33.20	-130.44	1.42	.03	-7.02	-.58	-.75		.09	.09	.070
806- 906	JL6- 1	0.0	-77.61	113.62	-19.49	2.14	-3.65	-65.55	-1.10	-.15		.16	.16	.080
		8.1	-77.60	-143.36	-169.04	.94	-1.64	-65.55	-1.10	-.28		.10	.10	.046
		16.2	-77.61	-208.27	-204.15	-.21	.29	-65.55	-1.10	-.37		.05	.05	.070
		24.3	-77.63	-86.91	-128.71	-1.33	2.15	-65.55	-1.10	-.20		.11	.11	.062
		32.4	-77.66	206.95	53.28	-2.40	3.92	-65.55	-1.10	-.27		.17	.17	.066
810- 910	P2- 1	0.0	-11.35	108.81	622.33	1.26	-.08	26.49	-.05	-.26		.02	.02	.013
		8.1	-11.35	101.65	499.69	1.26	-.08	26.49	-.05	-.21		.02	.02	.011
		16.2	-11.35	93.69	377.05	1.26	-.08	26.49	-.05	-.16		.02	.02	.009
		24.3	-11.35	86.12	254.41	1.26	-.08	26.49	-.05	-.11		.02	.02	.007
		32.4	-11.35	78.56	131.78	1.26	-.08	26.49	-.05	-.06		.02	.02	.005
811- 911	P2- 1	0.0	-126.39	595.74	-197.80	-.80	-2.36	-21.43	-.50	-.26		.02	.02	.036
		8.1	-126.39	366.32	-119.90	-.80	-2.36	-21.43	-.50	-.16		.02	.02	.032
		16.2	-126.39	136.89	-42.00	-.80	-2.36	-21.43	-.50	-.06		.02	.02	.028
		24.3	-126.39	-92.53	35.90	-.80	-2.36	-21.43	-.50	-.04		.02	.02	.027
		32.4	-126.39	-321.95	113.80	-.80	-2.36	-21.43	-.50	-.14		.02	.02	.031

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8 DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	CUMB. UNITY CHECK
M12- 912	M2- 1	0.0	109.58	-581.01	-360.91	-.27	2.43	-21.16	.44	.33		.02	.02	.034
		8.1	109.58	-445.45	-354.74	-.27	2.43	-21.16	.44	.24		.02	.02	.030
		16.2	109.58	-289.30	-328.56	-.27	2.43	-21.16	.44	.16		.02	.02	.027
		24.3	109.58	20.86	-302.39	-.27	2.43	-21.16	.44	.13		.02	.02	.026
		32.4	109.58	263.01	-276.21	-.27	2.43	-21.16	.44	.16		.02	.02	.027
901- 902	169- 1	0.0	.59	-1.75	-47.84	.09	-.02	4.65	.02	.52		.03	.03	.023
		6.9	.59	-3.24	-46.96	-.11	-.02	4.65	.02	.51		.03	.03	.023
		13.7	.59	-4.75	-29.17	-.32	-.02	4.65	.02	.32		.05	.05	.015
		20.6	.59	-6.26	5.54	-.52	-.02	4.65	.02	.09		.07	.07	.005
		27.4	.59	-7.77	57.17	-.73	-.02	4.65	.02	.63		.09	.09	.028
901- 904	169- 1	0.0	14.10	42.30	-47.68	.07	-.25	1.31	.58	.70		.03	.03	.056
		6.9	14.07	22.09	-45.29	-.13	-.24	1.31	.58	.55		.03	.03	.050
		13.7	14.03	3.29	-26.86	-.32	-.21	1.31	.58	.29		.04	.04	.039
		20.6	14.01	-12.69	6.98	-.50	-.17	1.31	.58	.16		.05	.05	.033
		27.4	14.00	-24.44	54.44	-.66	-.11	1.31	.57	.65		.06	.06	.054
901-1001	JL9- 1	0.0	-.22	36.93	-132.10	-4.25	-.03	53.68	-.00	-.17		.15	.15	.037
		8.1	-.23	31.82	162.83	-2.23	-.07	53.68	-.00	-.24		.10	.10	.010
		16.2	-.24	22.86	301.72	-.22	-.11	53.68	-.00	-.38		.04	.04	.016
		24.3	-.24	11.04	226.27	1.77	-.13	53.68	-.00	-.29		.08	.08	.012
		32.4	-.24	-2.67	-41.80	3.74	-.15	53.68	-.00	-.05		.14	.14	.002
901-1002	180- 1	0.0	-22.42	-31.19	25.46	.66	.36	2.90	-.82	-.34		.07	.07	.063
		10.6	-22.43	2.66	-53.07	.27	.18	2.90	-.82	-.28		.04	.04	.050
		21.1	-22.44	14.26	-46.32	-.06	.01	2.90	-.82	-.41		.02	.02	.056
		31.7	-22.46	3.95	-18.72	-.39	-.17	2.90	-.82	-.16		.04	.04	.055
		42.2	-22.47	-28.64	54.17	-.77	-.35	2.90	-.82	-.52		.07	.07	.070
901-1004	180- 1	0.0	23.98	27.11	44.43	.81	-.36	2.93	.87	.44		.08	.08	.059
		10.6	24.00	-5.99	-31.95	.59	-.17	2.93	.87	.28		.04	.04	.052
		21.1	24.02	-15.26	-55.21	-.03	.02	2.93	.87	.49		.01	.01	.061
		31.7	24.05	-.74	-25.34	-.45	.21	2.93	.87	.22		.05	.05	.050
		42.2	24.07	37.62	57.64	-.86	.40	2.93	.88	.59		.08	.08	.065
902- 903	169- 1	0.0	-.44	-4.93	38.34	.57	.07	-4.55	-.02	-.42		.07	.07	.019
		6.9	-.44	.64	.27	.36	.07	-4.55	-.02	-.01		.05	.05	.002
		13.7	-.44	6.21	-20.90	.15	.07	-4.55	-.02	-.24		.04	.04	.011
		20.6	-.44	11.78	-25.14	-.05	.07	-4.55	-.02	-.30		.03	.03	.014
		27.4	-.44	17.35	-12.47	-.26	.07	-4.55	-.02	-.23		.05	.05	.011
902- 904	169- 1	0.0	.08	8.11	1.61	.01	-.08	-.86	.01	.28		.03	.03	.012
		6.9	.08	2.04	.94	.01	-.07	-.86	.01	.08		.03	.03	.003
		13.7	.08	-2.03	.27	.01	-.04	-.86	.01	.09		.02	.02	.004
		20.6	.08	-4.47	-.40	.01	.00	-.86	.01	.15		.02	.02	.007
		27.4	.08	-2.09	-1.06	.01	.06	-.86	.01	.08		.02	.02	.004

S T R A N M E M B E R D E T A I L R E P O R T

LOAD CONDITION NO. 8

U.S. NAVY - ACAN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
902- 905	109- 1	0.0	1.59	1.74	17.22	.31	-.01	.46	.13	.58		.06	.06	.031
		6.9	1.58	.47	-1.61	.15	-.01	.46	.13	.06		.03	.03	.024
		13.7	1.57	.20	-7.87	-.00	-.01	.46	.13	.26		.01	.01	.017
		20.6	1.56	-.57	-1.54	-.15	-.01	.46	.13	.05		.03	.03	.006
		27.4	1.55	-1.34	17.37	-.31	-.01	.46	.13	.58		.06	.06	.031
903- 905	109- 1	0.0	-14.74	28.93	37.13	.15	-.11	2.44	-.01	-.51		.03	.03	.067
		6.9	-14.74	19.84	24.56	.15	-.11	2.44	-.01	-.35		.03	.03	.059
		13.7	-14.74	10.75	11.99	.15	-.11	2.44	-.01	-.16		.03	.03	.052
		20.6	-14.74	1.66	-.58	.15	-.11	2.44	-.01	-.02		.03	.03	.046
		27.4	-14.74	-7.44	-13.15	.15	-.11	2.44	-.01	-.17		.03	.03	.052
903-1002	180- 1	0.0	23.00	23.03	-65.50	-.69	-.23	-.79	.84	.60		.07	.07	.094
		10.6	22.96	1.41	20.55	-.46	-.12	-.79	.84	.18		.04	.04	.046
		21.1	22.92	-5.92	52.03	-.03	.00	-.79	.83	.45		.01	.01	.057
		31.7	22.88	1.02	24.99	.40	.12	-.79	.83	.25		.03	.03	.049
		42.2	22.85	24.05	-48.58	.83	.24	-.79	.83	.46		.07	.07	.058
903-1003	JL9- 1	0.0	5.62	-207.84	154.56	2.13	5.44	-42.67	.08	.32		.14	.14	.017
		8.1	5.61	50.50	-25.72	1.24	1.87	-42.67	.08	.07		.09	.09	.007
		16.2	5.59	155.80	-101.70	.32	.29	-42.67	.08	.24		.04	.04	.014
		24.3	5.57	107.07	-87.85	-.61	-1.30	-42.67	.08	.18		.07	.07	.011
		32.4	5.55	-96.65	17.54	-1.56	-2.89	-42.67	.08	.12		.12	.12	.009
903-1005	180- 1	0.0	44.71	65.69	29.86	.10	-.66	-5.85	1.63	.60		.07	.07	.101
		10.6	44.71	.55	17.66	.09	-.34	-5.85	1.63	.15		.05	.05	.082
		21.1	44.70	-23.15	6.61	.08	-.03	-5.85	1.63	.21		.03	.03	.064
		31.7	44.70	-6.50	-3.36	.07	.29	-5.85	1.63	.06		.05	.05	.078
		42.2	44.69	50.25	-12.22	.07	.61	-5.85	1.63	.44		.07	.07	.094
904- 905	109- 1	0.0	-1.53	-1.37	14.41	.27	-.07	.46	-.13	-.48		.05	.05	.029
		6.9	-1.53	-4.59	-2.07	.15	-.01	.46	-.13	-.17		.03	.03	.014
		13.7	-1.53	-5.58	-7.27	-.01	.03	.46	-.13	-.27		.01	.01	.020
		20.6	-1.53	.25	-1.19	-.14	.06	.46	-.13	-.04		.03	.03	.011
		27.4	-1.53	5.49	14.16	-.28	.07	.46	-.13	-.57		.06	.06	.033
904- 906	109- 1	0.0	15.04	-24.48	38.96	.47	.02	-2.35	.62	.50		.05	.05	.050
		6.9	15.03	-20.05	6.24	.32	.09	-2.35	.62	.23		.04	.04	.038
		13.7	15.02	-10.00	-13.89	.17	.16	-2.35	.62	.19		.03	.03	.036
		20.6	15.01	5.09	-21.43	.02	.23	-2.35	.62	.24		.03	.03	.039
		27.4	15.01	27.02	-16.38	-.14	.29	-2.35	.62	.35		.04	.04	.043
905- 906	109- 1	0.0	-12.69	-10.06	20.38	.16	-.05	-1.16	-.52	-.25		.02	.02	.044
		6.9	-12.69	-13.93	6.88	.16	-.04	-1.16	-.52	-.17		.02	.02	.040
		13.7	-12.69	-15.08	-5.62	.16	.02	-1.16	-.52	-.18		.02	.02	.040
		20.6	-12.69	-11.00	-20.13	.16	.08	-1.16	-.52	-.25		.02	.02	.049
		27.4	-12.69	-1.29	-33.63	.16	.15	-1.16	-.52	-.37		.02	.02	.054

BEAM MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACNR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									/----------KSI----------/					
909=1014	IPD= 1	0.0	-24.26	-22.48	-50.49	-.65	.15	2.68	-.88	-.48		.06	.06	.072
		10.5	-24.29	-6.20	15.00	-.56	.11	2.68	-.88	-.12		.04	.04	.058
		21.1	-24.32	4.75	39.29	-.05	.05	2.68	-.88	-.34		.02	.02	.067
		31.7	-24.35	2.54	24.35	.50	-.10	2.68	-.89	-.21		.03	.03	.061
		42.2	-24.31	-19.01	-58.49	.71	-.24	2.68	-.88	-.37		.07	.07	.068
909=1005	100= 1	0.0	-44.44	-50.05	24.76	.15	.50	-2.45	-1.63	-.49		.05	.05	.117
		10.6	-44.43	2.54	11.30	.10	.30	-2.45	-1.63	-.10		.03	.03	.101
		21.1	-44.42	21.47	1.41	.06	-.01	-2.45	-1.63	-.18		.01	.01	.104
		31.7	-44.41	.69	-3.80	.02	-.32	-2.45	-1.63	-.03		.03	.03	.098
		42.2	-44.40	-59.50	-4.33	-.01	-.63	-2.45	-1.63	-.51		.06	.06	.118
909=1006	JL9= 1	0.0	-5.53	218.99	20.11	2.06	-3.77	-12.15	-.08	-.28		.15	.13	.016
		8.1	-5.56	-53.31	-129.32	1.01	-2.03	-12.15	-.08	-.18		.07	.07	.012
		16.2	-5.57	-177.14	-178.09	-.01	-.31	-12.15	-.08	-.32		.02	.02	.017
		24.3	-5.56	-122.91	-124.20	-1.01	1.42	-12.15	-.08	-.23		.06	.06	.013
		32.4	-5.55	99.05	18.80	-2.00	3.14	-12.15	-.04	-.13		.11	.11	.009
1010= 910	MS= 1	0.0	-11.35	-124.44	-1339.42	-3.10	.53	20.44	-.05	-.56		.03	.03	.026
		8.1	-11.35	-76.69	-1057.44	-3.10	.53	20.44	-.05	-.43		.03	.03	.020
		16.2	-11.35	-24.90	-735.56	-3.10	.53	20.44	-.05	-.31		.03	.03	.015
		24.3	-11.35	26.89	-433.64	-3.10	.53	20.44	-.05	-.18		.03	.03	.010
		32.4	-11.35	78.68	-131.71	-3.10	.53	20.44	-.05	-.06		.03	.03	.005
1011= 911	MS= 1	0.0	-126.39	1496.56	741.74	2.33	-4.67	-21.51	-.50	-.71		.05	.05	.055
		8.1	-126.39	1041.91	565.47	2.33	-4.67	-21.51	-.50	-.49		.05	.05	.046
		16.2	-126.39	587.26	339.15	2.33	-4.67	-21.51	-.50	-.28		.05	.05	.037
		24.3	-126.39	132.60	112.82	2.33	-4.67	-21.51	-.50	-.07		.05	.05	.028
		32.4	-126.39	-322.05	-115.50	2.33	-4.67	-21.51	-.50	-.14		.05	.05	.031
1012= 912	MS= 1	0.0	109.58	-1451.02	480.02	.52	4.40	-21.16	.44	.44		.04	.04	.047
		8.1	109.58	-1022.51	429.07	.52	4.40	-21.16	.44	.46		.04	.04	.040
		16.2	109.58	-594.01	378.12	.52	4.40	-21.16	.44	.29		.04	.04	.033
		24.3	109.58	-165.50	327.18	.52	4.40	-21.16	.44	.15		.04	.04	.027
		32.4	109.58	263.01	276.21	.52	4.40	-21.16	.44	.16		.04	.04	.027
1001=1002	200= 1	0.0	31.14	-51.30	-52.52	.44	.21	-0.96	.02	.34		.04	.04	.052
		5.0	31.14	-31.02	-54.72	.11	.21	-0.96	.02	.37		.03	.03	.050
		10.0	31.14	-10.73	-52.19	-.24	.21	-0.96	.02	.30		.04	.04	.050
		24.0	31.14	9.55	-11.02	-.02	.21	-0.96	.02	.08		.05	.05	.041
		32.0	31.14	29.84	64.72	-1.01	.21	-0.96	.02	.41		.07	.07	.065
1001=1004	200= 1	0.0	-29.55	52.16	-27.50	.50	-.19	-10.53	-.78	-.33		.06	.06	.069
		5.0	-29.67	33.60	-57.92	.14	-.19	-10.53	-.78	-.37		.04	.04	.071
		10.0	-29.69	15.05	-54.18	-.22	-.19	-10.53	-.78	-.31		.04	.04	.068
		24.0	-29.71	-5.51	-14.92	-.58	-.19	-10.53	-.78	-.09		.06	.06	.059
		32.0	-29.74	-22.08	56.49	-.95	-.19	-10.53	-.78	-.34		.08	.08	.069

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI					
1002-1003	200- 1	0.0	-.96	-20.32	46.86	.88	.15	15.03	-.03	-.29		.09	.09	.014
		8.0	-.96	-5.87	-18.41	.48	.15	15.03	-.03	-.11		.07	.07	.006
		16.0	-.96	8.58	-45.58	.08	.15	15.03	-.03	-.26		.05	.05	.013
		24.0	-.96	23.04	-54.06	-.32	.15	15.03	-.03	-.23		.06	.06	.011
		32.0	-.96	37.49	15.95	-.72	.15	15.03	-.03	-.23		.08	.08	.011
1002-1004	140- 1	0.0	.18	55.75	.94	.01	-.19	-5.55	.01	.67		.08	.08	.029
		8.0	.18	17.70	.25	.01	-.19	-5.55	.01	.33		.08	.08	.015
		16.0	.18	-.35	-.45	.01	-.19	-5.55	.01	.01		.08	.08	.001
		24.0	.18	-18.41	-1.14	.01	-.19	-5.55	.01	.35		.08	.08	.015
		32.0	.18	-36.47	-1.83	.01	-.19	-5.55	.01	.69		.08	.08	.029
1002-1005	140- 1	0.0	4.02	26.48	20.97	.35	-.11	2.49	.25	.64		.07	.07	.039
		8.0	4.01	10.50	-3.49	.17	-.11	2.49	.25	.32		.05	.05	.025
		16.0	4.00	6.02	-11.70	-.01	-.11	2.49	.25	.25		.04	.04	.022
		24.0	3.99	-4.46	-2.34	-.19	-.11	2.49	.25	.09		.05	.05	.015
		32.0	3.98	-14.94	24.26	-.37	-.11	2.49	.25	.54		.07	.07	.034
1003-1005	200- 1	0.0	-33.64	87.59	60.93	.22	-.38	-.56	-.08	-.60		.02	.02	.047
		8.0	-33.64	51.48	39.70	.22	-.38	-.56	-.08	-.36		.02	.02	.027
		16.0	-33.64	15.36	18.47	.22	-.38	-.56	-.08	-.13		.02	.02	.040
		24.0	-33.64	-20.75	-2.75	.22	-.38	-.56	-.08	-.12		.02	.02	.047
		32.0	-33.64	-56.87	-23.98	.22	-.38	-.56	-.08	-.35		.02	.02	.027
1004-1005	140- 1	0.0	-4.11	-21.40	20.47	.32	.08	2.89	-.26	-.56		.07	.07	.038
		8.0	-4.11	-13.64	-2.52	.16	.08	2.89	-.26	-.26		.05	.05	.026
		16.0	-4.11	-5.87	-10.12	-.00	.08	2.89	-.26	-.22		.04	.04	.024
		24.0	-4.11	1.90	-2.32	-.16	.08	2.89	-.26	-.06		.05	.05	.017
		32.0	-4.11	9.66	20.88	-.32	.08	2.89	-.26	-.43		.07	.07	.033
1004-1006	200- 1	0.0	4.57	27.32	42.43	.76	-.17	9.61	.12	.28		.07	.07	.017
		8.0	4.55	10.52	-13.20	.40	-.17	9.61	.12	.09		.05	.05	.010
		16.0	4.53	-6.28	-34.46	.04	-.17	9.61	.12	.20		.04	.04	.014
		24.0	4.51	-23.08	-21.35	-.32	-.17	9.61	.12	.18		.05	.05	.013
		32.0	4.48	-39.88	26.14	-.67	-.17	9.61	.12	.27		.06	.06	.017
1005-1006	200- 1	0.0	30.04	42.46	14.65	.15	-.34	-3.43	.79	.26		.03	.03	.047
		8.0	30.04	10.59	2.20	.15	-.34	-3.43	.79	.06		.03	.03	.039
		16.0	30.04	-21.78	-12.25	.15	-.34	-3.43	.79	.14		.03	.03	.042
		24.0	30.04	-54.15	-26.70	.15	-.34	-3.43	.79	.34		.03	.03	.051
		32.0	30.04	-86.52	-41.15	.15	-.34	-3.43	.79	.54		.03	.03	.059

SIMAN GROUP SUMMARY REPORT

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER GROUP I D	THREE MOST RESTRICTIVE MEMBERS									TOTAL	NUMBER OF MEMBERS IN GROUP WITH UNITY CK GT 1.35	WITH UNITY CK GT 1.00	WITH UNITY CK LT .50
	FIRST			SECOND			THIRD						
	MEMBER NO.	MAX. U. CK	LD. LN.	MEMBER NO.	MAX. U. CK	LD. LN.	MEMBER NO.	MAX. U. CK	LD. LN.				
M18	201- 202	.04	7	201- 204	.03	7	101- 104	.03	7	12	0	0	12
DAL	303- 403	.07	7	301- 401	.04	7	203- 303	.04	7	9	0	0	9
M05	202- 205	.01	7	204- 205	.01	7	102- 105	.01	7	6	0	0	6
120	203- 306	.03	7	206- 301	.03	7	201- 303	.02	7	3	0	0	3
123	303- 306	.04	7	301- 303	.04	7	301- 306	.04	7	3	0	0	3
JL4	403- 503	.15	7	404- 504	.14	7	401- 501	.03	7	3	0	0	3
M1	511- 711	.21	7	512- 712	.18	7	403- 511	.16	7	6	0	0	6
105	501- 504	.20	7	504- 506	.19	7	505- 506	.15	7	6	0	0	6
JL5	503- 603	.22	7	506- 606	.22	7	501- 601	.05	7	3	0	0	3
200	803- 906	.45	7	706- 803	.32	7	703- 801	.32	7	12	0	0	12
105	502- 505	.12	7	504- 505	.12	7	502- 504	.03	7	3	0	0	3
JL6	653- 703	.25	7	626- 656	.25	7	506- 626	.23	7	9	0	0	9
137	701- 702	.23	7	702- 703	.20	7	705- 706	.18	7	6	0	0	6
JL7	703- 803	.40	7	706- 806	.36	7	701- 801	.10	7	3	0	0	3
107	702- 705	.13	7	704- 705	.13	7	702- 704	.03	7	3	0	0	3
M2	711- 811	.19	7	812- 912	.19	7	712- 812	.18	7	6	0	0	6
140	801- 804	.21	7	804- 806	.19	7	805- 806	.15	7	6	0	0	6
JL8	806- 906	.26	7	803- 903	.22	7	801- 901	.09	7	3	0	0	3
108	802- 805	.13	7	804- 805	.12	7	802- 804	.03	7	3	0	0	3
109	901- 904	.25	7	904- 906	.24	7	905- 906	.21	7	6	0	0	6
JL9	903-1003	.04	7	906-1006	.04	7	901-1001	.03	7	3	0	0	3
160	903-1005	.45	7	906-1005	.35	7	901-1004	.28	7	6	0	0	6
104	902- 905	.13	7	904- 905	.12	7	902- 904	.03	7	3	0	0	3
M3	1011- 911	.25	7	1012- 912	.25	7	1010- 910	.12	7	3	0	0	3
200	1001-1002	.28	7	1005-1006	.26	7	1003-1005	.23	7	6	0	0	6
140	1002-1005	.12	7	1004-1005	.10	7	1002-1004	.09	7	3	0	0	3
							TOTAL MEMBERS			135	0	0	135

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STRAN MEMBER STRESS REPORT NO. 1

DATE 10/05/76

U.S. NAVY - ACAN PLATFORMS - FATIGUE ANALYSIS - ML= 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES: COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
101- 102	A16-01	.030	.000	.000	.030	7	0.0	.06	-.00	.23	6.89	.007	5	.003	A
101- 104	A16-01	.030	.000	.000	.030	7	0.0	-.05	.00	-.27	6.94	.008	5	.003	A
101- 201	DAL-01	.002	.000	.001	.001	7	15.0	-.00	15.83	20.14	17.37	.001	5	.000	3
102- 103	A16-01	.019	.000	.001	.018	7	14.5	.12	.00	-2.04	4.15	.004	5	.002	A
102- 104	A03-01	.004	.000	.000	.004	7	0.0	.00	-.00	-.00	-.44	.001	5	.000	3
102- 105	A03-01	.006	.001	.000	.004	7	14.5	-.11	.00	.06	-.54	.002	5	.001	A
103- 105	A16-01	.014	.000	.001	.013	7	0.0	.06	-.00	-1.24	-3.10	.003	5	.002	A
103- 203	DAL-01	.002	.000	.000	.002	7	15.0	.01	-7.25	.13	-27.59	.000	5	.000	3
104- 105	A03-01	.005	.001	.000	.005	7	14.5	.11	.00	-.06	-.56	.002	5	.001	A
104- 106	A16-01	.021	.000	.001	.020	7	14.5	-.08	.00	1.06	4.58	.007	5	.003	3
105- 106	A16-01	.016	.000	.000	.015	7	14.5	-.05	-.00	1.04	3.57	.006	5	.002	3
106- 206	DAL-01	.002	.000	.002	.000	7	15.0	.03	-11.64	-32.48	15.92	.000	5	.000	3
201- 202	A16-01	.038	.006	.000	.031	7	0.0	2.23	-.00	.70	7.28	.009	5	.004	B
201- 204	A16-01	.035	.001	.000	.032	7	0.0	-.34	-.00	.39	7.41	.009	5	.004	A
201- 301	DAL-01	.009	.001	.008	.000	7	15.0	1.24	64.46	126.65	-24.04	.003	5	.002	3
201- 303	120-01	.022	.009	.000	.013	7	0.0	-2.77	-1.39	-2.73	18.12	.005	5	.002	3
202- 203	A16-01	.026	.007	.000	.019	7	14.5	2.29	-.00	-.03	4.41	.006	5	.003	A
202- 204	A03-01	.004	.000	.000	.004	7	0.0	.00	.00	.04	-.48	.001	5	.000	3
202- 205	A03-01	.006	.001	.000	.005	7	14.5	-.12	.00	-.02	-.60	.002	5	.001	A
203- 205	A16-01	.016	.001	.000	.015	7	0.0	.52	-.00	.41	-3.39	.004	5	.002	B
203- 303	DAL-01	.038	.001	.032	.004	7	15.0	2.00	-34.76	523.35	-186.33	.009	5	.003	3
203- 306	120-01	.032	.014	.002	.016	7	32.6	-4.26	-2.12	7.20	22.95	.008	5	.003	A
204- 205	A03-01	.006	.001	.000	.005	7	14.5	.11	-.00	.02	-.62	.002	5	.001	A
204- 206	A16-01	.025	.001	.001	.021	7	14.5	-.39	-.00	-1.51	4.94	.008	5	.003	3
205- 206	A16-01	.018	.001	.000	.016	7	14.5	.39	.00	-.79	3.81	.008	5	.003	3
206- 301	120-01	.026	.006	.000	.018	7	32.6	3.28	4.49	-3.74	-24.06	.005	5	.002	A
206- 306	DAL-01	.028	.001	.023	.004	7	15.0	-1.48	-22.90	381.10	-156.14	.005	5	.002	3
301- 303	125-01	.039	.014	.000	.024	7	0.0	-4.05	2.85	-3.75	32.78	.011	5	.004	3
301- 306	125-01	.037	.014	.003	.019	7	0.0	-4.46	-.16	-12.05	28.42	.006	5	.002	A
301- 401	DAL-01	.036	.002	.019	.017	7	28.5	-3.83	-17.32	-398.62	-381.04	.010	5	.005	3
303- 306	125-01	.039	.013	.007	.020	7	0.0	5.24	1.19	-18.14	-31.26	.012	5	.004	3
303- 403	DAL-01	.070	.000	.059	.011	7	28.5	.77	-71.50	-969.52	411.94	.017	5	.007	3
303- 406	DAL-01	.031	.002	.025	.005	7	0.0	-3.64	-79.31	410.08	-144.46	.016	5	.006	3
401- 501	JL4-01	.026	.003	.000	.023	7	4.6	-16.11	128.24	-225.05	1555.18	.008	5	.004	3
401- 510	P1-01	.012	.005	.000	.010	7	0.0	12.52	-56.98	-71.64	491.35	.009	5	.004	3
403- 503	JL4-01	.148	.122	.009	.018	7	4.6	-665.60	-51.09	1024.62	-1460.94	.055	5	.025	B
403- 511	P1-01	.160	.141	.007	.012	7	0.0	672.95	184.02	599.24	-770.81	.060	5	.029	B
406- 506	JL4-01	.138	.127	.011	.000	7	4.6	695.04	-209.60	-728.76	-157.07	.053	5	.022	3
406- 512	P1-01	.154	.148	.000	.006	7	4.6	-699.67	183.78	-23.16	315.74	.065	5	.027	3
501- 502	105-01	.087	.019	.001	.068	7	0.0	12.47	-20.55	17.30	180.52	.036	5	.020	B
501- 504	105-01	.202	.118	.028	.056	7	0.0	-64.31	-.72	-126.71	180.99	.078	5	.026	3
501- 601	JL5-01	.047	.018	.002	.028	7	6.1	-55.89	225.41	281.74	-1094.19	.025	5	.011	3
501- 622	200-01	.205	.081	.027	.097	7	0.0	66.72	-26.04	246.26	-464.86	.085	5	.031	3
502- 503	105-01	.072	.030	.000	.042	7	0.0	19.30	14.87	-3.75	-111.26	.030	5	.014	A
502- 504	105-01	.034	.005	.028	.002	7	15.2	1.16	5.36	20.57	5.99	.012	5	.004	3
502- 505	105-01	.122	.044	.000	.078	7	15.2	-4.64	-2.79	1.71	-55.26	.054	5	.006	3
503- 505	105-01	.130	.064	.044	.022	7	0.0	42.01	-12.19	-142.56	-101.69	.039	5	.011	B
503- 603	JL5-01	.225	.178	.020	.024	7	0.0	-550.97	-391.40	1127.33	-1240.59	.086	5	.041	A

STRAN MEMBER STRESS REPORT NO. 1

U.S. NAVY - ACMH PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
503- 625	200-01	.274	.187	.068	.019	7	0.0	-142.57	-16.97	-376.14	-201.48	.109	5	.046	3
504- 505	105-01	.114	.032	.002	.085	7	15.2	6.52	-2.51	-8.12	-60.63	.053	5	.005	3
504- 506	105-01	.168	.127	.001	.060	7	0.0	-69.20	26.23	17.04	-161.03	.073	5	.026	3
505- 506	105-01	.147	.046	.038	.063	7	15.2	30.22	-6.78	165.36	210.85	.049	5	.013	3
505- 626	JL5-01	.225	.209	.010	.004	7	0.1	644.75	-43.42	452.56	266.80	.095	5	.041	3
506- 624	200-01	.255	.107	.017	.133	7	0.0	88.11	35.07	216.85	601.44	.104	5	.036	3
51 - 710	P1-01	.059	.003	.003	.053	7	25.3	12.54	-56.76	678.15	-2776.60	.027	5	.015	8
511- 711	P1-01	.210	.141	.032	.037	7	25.3	672.97	183.44	-2390.84	2544.72	.088	5	.043	8
512- 712	P1-01	.185	.154	.030	.000	7	25.3	-699.87	183.94	1794.24	-197.33	.077	5	.054	5
601- 621	JL5-01	.072	.017	.004	.051	7	0.1	-52.57	558.15	525.69	-1994.84	.035	5	.016	3
603- 623	JL5-01	.212	.178	.011	.023	7	0.1	-549.75	-463.94	-729.86	1050.96	.095	5	.043	5
604- 626	JL5-01	.255	.209	.022	.002	7	0.1	646.09	-44.29	845.91	241.79	.099	5	.043	3
621- 651	JL5-01	.064	.017	.005	.062	7	0.1	-52.67	560.52	706.65	-2438.71	.039	5	.018	5
622- 703	200-01	.219	.081	.042	.096	7	21.8	88.70	-30.25	323.02	-489.84	.093	5	.036	3
623- 653	JL5-01	.251	.177	.020	.034	7	0.1	-547.91	-466.01	-1241.82	1617.49	.101	5	.046	3
624- 701	200-01	.207	.107	.002	.098	7	21.9	88.10	34.94	58.18	419.63	.084	5	.031	3
625- 706	200-01	.236	.188	.039	.009	7	21.9	-142.55	-16.67	-208.70	99.41	.102	5	.047	3
626- 656	JL5-01	.253	.209	.023	.001	7	1.5	645.48	-43.90	873.58	202.28	.099	5	.044	8
651- 701	JL5-01	.065	.019	.005	.059	7	0.0	-58.35	979.10	677.52	-2315.26	.038	5	.017	3
653- 703	JL5-01	.246	.189	.020	.036	7	0.0	-584.85	-565.10	-1279.53	1695.47	.108	5	.048	3
656- 706	JL5-01	.230	.209	.021	.000	7	0.0	644.05	-43.90	805.30	-7.76	.096	5	.044	8
701- 702	137-01	.229	.104	.004	.121	7	18.8	43.50	-6.68	-28.50	-165.74	.133	8	.104	5
701- 704	137-01	.141	.029	.000	.112	7	18.8	-8.29	-11.65	-3.82	-150.72	.121	8	.073	6
701- 801	JL7-01	.096	.035	.000	.061	7	14.2	54.13	340.91	23.47	-1135.53	.043	5	.023	8
701- 806	200-01	.248	.169	.024	.106	7	0.0	-105.16	-28.40	-253.09	-531.71	.134	5	.060	5
702- 703	137-01	.199	.116	.005	.079	7	0.0	48.12	4.50	-26.84	-109.30	.131	8	.091	5
702- 704	107-01	.030	.005	.027	.000	7	18.8	-.52	2.63	19.25	-2.24	.030	8	.018	6
702- 705	107-01	.134	.033	.001	.100	7	18.8	-8.89	-1.53	6.04	-71.52	.059	5	.033	8
703- 705	137-01	.166	.075	.000	.093	7	0.0	-21.15	-3.72	4.93	-125.41	.117	8	.064	5
703- 801	200-01	.521	.170	.011	.139	7	0.0	-106.02	27.44	-186.40	657.02	.143	5	.064	5
705- 803	JL7-01	.403	.337	.040	.026	7	7.1	-486.74	197.98	-1104.60	845.36	.173	5	.095	8
704- 705	107-01	.134	.029	.001	.105	7	0.0	7.41	.04	5.32	-74.50	.060	5	.035	8
704- 706	137-01	.127	.004	.123	.000	8	18.8	1.65	7.35	165.38	-.20	.106	7	.076	6
705- 706	137-01	.179	.110	.038	.032	7	18.8	-51.64	-1.82	68.97	63.60	.125	8	.089	5
706- 803	200-01	.324	.228	.080	.017	7	0.0	187.09	-4.53	371.06	-169.32	.142	5	.066	3
706- 806	JL7-01	.357	.298	.052	.007	7	14.2	454.55	-278.26	1034.05	376.15	.150	5	.062	8
710- 810	P2-01	.052	.002	.003	.047	7	0.0	12.54	-55.84	674.05	-2777.62	.024	5	.015	8
711- 811	P2-01	.185	.124	.029	.032	7	0.0	672.96	181.88	-2394.62	2541.28	.078	5	.036	8
712- 812	P2-01	.183	.137	.037	.010	7	20.4	-699.87	184.01	2364.58	1208.21	.078	5	.034	8
801- 802	140-01	.112	.006	.004	.103	7	22.8	2.66	-5.79	-33.26	-171.67	.053	8	.044	5
801- 804	140-01	.213	.098	.000	.115	7	22.8	-29.18	-15.57	-12.21	-188.75	.091	5	.089	8
801- 901	JL8-01	.090	.047	.000	.043	7	16.2	-67.64	-64.27	-67.54	-805.65	.038	5	.024	8
801- 903	200-01	.270	.134	.014	.122	7	54.8	109.84	-30.24	188.50	-546.94	.109	5	.040	8
802- 803	140-01	.081	.016	.006	.059	7	0.0	7.46	12.50	-31.84	-100.86	.054	8	.033	5
802- 804	105-01	.026	.002	.026	.000	7	22.8	.45	3.98	18.69	-2.30	.019	8	.014	5
803- 805	105-01	.155	.035	.002	.096	7	0.0	-8.65	-3.30	-9.28	-68.83	.049	5	.026	8
803- 815	140-01	.114	.062	.004	.047	7	0.0	28.45	-3.56	-24.61	-80.70	.046	8	.033	6
803- 903	JL5-01	.219	.191	.024	.005	7	6.1	-274.95	-125.18	-557.28	190.42	.091	5	.041	8

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
803= 906	200-01	.452	.354	.072	.027	7	0.0	-201.59	-.72	-315.52	-192.63	.186	5	.088	8
804= 805	100-01	.122	.024	.000	.098	7	22.8	6.19	.12	-4.12	-69.78	.048	5	.029	8
804= 806	140-01	.191	.112	.001	.079	7	0.0	-35.31	10.48	-11.00	-129.55	.082	8	.082	5
805= 806	140-01	.155	.042	.039	.073	7	22.8	19.46	-6.75	106.79	149.14	.073	8	.068	5
806= 901	200-01	.281	.141	.038	.103	7	0.0	115.86	25.42	308.21	510.11	.116	5	.075	8
808= 910	JL8-01	.258	.217	.022	.019	7	16.2	552.01	355.88	556.16	513.50	.107	5	.070	8
810= 910	P2-01	.040	.002	.000	.038	7	0.0	12.34	-57.45	-34.19	-2147.36	.016	5	.013	8
811= 911	P2-01	.108	.124	.039	.005	7	0.0	672.95	182.93	-2370.01	817.20	.067	5	.056	8
812= 912	P2-01	.185	.138	.037	.010	7	0.0	-699.85	184.53	2364.58	1208.13	.075	5	.054	8
901= 902	100-01	.143	.055	.002	.086	7	27.4	-17.90	-4.76	-30.70	-149.33	.064	5	.028	8
901= 904	100-01	.236	.170	.001	.065	7	27.4	-55.68	-14.76	-22.05	-211.48	.107	5	.056	8
901=1001	JL4-01	.028	.001	.001	.026	7	16.2	1.03	-211.89	-108.92	-504.61	.016	8	.011	5
901=1002	100-01	.226	.155	.015	.058	7	42.2	91.95	-18.59	91.83	-179.87	.088	5	.070	8
901=1004	100-01	.200	.215	.025	.039	7	42.2	-99.95	-15.74	-118.56	-147.38	.114	5	.085	8
902= 903	100-01	.098	.042	.003	.054	7	0.0	-15.85	6.95	-26.68	-119.23	.044	5	.020	3
902= 904	100-01	.027	.001	.026	.000	7	27.4	.28	4.69	16.14	.19	.013	5	.012	8
902= 905	100-01	.127	.035	.002	.090	7	0.0	-5.68	-2.07	-9.45	-64.80	.050	5	.031	8
903= 905	100-01	.191	.133	.011	.046	7	0.0	70.03	-2.59	-55.37	-112.12	.077	5	.067	8
903=1002	100-01	.295	.201	.004	.055	7	0.0	-93.27	8.49	-66.81	175.83	.106	5	.084	8
903=1003	JL4-01	.042	.014	.016	.012	7	0.0	-20.56	185.20	395.49	-339.67	.018	5	.017	8
903=1005	100-01	.448	.367	.058	.024	7	0.0	-170.44	21.51	-184.08	-117.62	178	5	.101	8
904= 905	100-01	.120	.022	.000	.098	7	27.4	5.84	-1.79	-2.13	-69.50	.043	5	.033	8
904= 906	100-01	.248	.181	.001	.062	7	0.0	-59.53	12.36	-20.22	-154.23	.102	5	.050	8
905= 906	100-01	.206	.118	.037	.051	7	27.4	62.27	-5.18	123.29	145.20	.091	5	.054	8
905=1004	100-01	.241	.170	.022	.050	7	0.0	100.70	-1.25	109.18	166.58	.095	5	.072	8
905=1005	100-01	.350	.268	.062	.001	7	42.2	170.83	7.92	172.43	20.78	.142	5	.118	8
906=1006	JL4-01	.042	.013	.008	.021	7	16.2	19.49	115.77	242.97	463.33	.017	5	.017	8
1010= 910	P3-01	.120	.002	.001	.116	7	0.0	12.33	-57.43	599.75	6660.19	.059	5	.026	8
1011= 911	P3-01	.250	.124	.098	.028	7	0.0	672.98	183.51	-6339.54	-3410.72	.091	5	.055	8
1012= 912	P3-01	.248	.138	.100	.010	7	0.0	-699.69	184.53	5972.83	-1850.06	.089	5	.067	8
1001=1002	200-01	.277	.229	.034	.014	7	0.0	-124.18	13.87	167.53	115.67	.114	5	.055	8
1001=1004	200-01	.192	.143	.033	.016	7	0.0	117.79	34.43	-170.37	117.77	.078	5	.071	8
1002=1003	200-01	.030	.004	.010	.017	7	24.0	5.01	-52.71	-67.25	89.50	.014	8	.011	5
1002=1004	100-01	.091	.000	.091	.000	7	32.0	.10	17.57	114.01	.52	.035	5	.029	8
1002=1005	100-01	.118	.035	.059	.029	7	0.0	-9.70	-7.50	-84.27	-61.67	.044	5	.039	8
1003=1005	200-01	.229	.158	.047	.024	7	0.0	129.75	4.35	-245.72	-176.08	.091	5	.067	8
1004=1005	100-01	.095	.028	.039	.029	7	0.0	9.59	-10.78	65.28	-55.85	.038	8	.034	5
1004=1006	200-01	.067	.036	.030	.001	7	32.0	-19.40	-28.74	131.85	-25.74	.027	5	.017	8
1005=1006	200-01	.261	.194	.051	.016	7	32.0	-105.26	4.18	251.23	148.57	.105	5	.059	8

STRAN MEMBER STRESS REPORT NO. 2

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS: FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
101- 102	A10-01	.030	7	0.0	.06	-.00	.23	6.89	.000	7	.000	7	49.5	55.2	.007	5
101- 104	A10-01	.030	7	0.0	-.03	.00	-.27	6.94	.000	7	.000	7	49.4	55.2	.006	5
101- 201	DAL-01	.002	7	15.0	-.00	13.43	20.14	17.37	.002	7	.001	7	17.5	17.5	.001	5
102- 103	A10-01	.019	7	14.5	.12	.00	-2.04	4.15	.000	7	.000	7	49.5	55.2	.004	5
102- 104	A08-01	.004	7	0.0	.00	-.00	-.00	-.44	.000	7	.000	7	50.9	108.3	.001	5
102- 105	A10-01	.005	7	14.5	-.11	.00	.06	-.54	.000	7	.000	7	50.9	108.3	.002	5
103- 105	A10-01	.014	7	0.0	.06	-.00	-1.24	-3.10	.000	7	.000	7	49.4	55.2	.003	5
103- 203	DAL-01	.002	7	15.0	.01	-7.25	.13	-27.59	.001	7	.001	7	17.5	17.5	.000	5
104- 105	A08-01	.005	7	14.5	.11	.00	-.06	-.56	.000	7	.000	7	50.9	108.4	.002	5
104- 106	A10-01	.021	7	14.5	-.08	.00	1.06	4.56	.000	7	.000	7	49.5	55.2	.007	5
105- 106	A10-01	.015	7	14.5	-.05	-.00	1.04	3.57	.000	7	.000	7	49.5	55.2	.006	5
106- 206	DAL-01	.002	7	15.0	.03	-11.64	-32.48	15.92	.002	7	.001	7	17.5	17.5	.000	5
201- 202	A10-01	.034	7	0.0	2.23	-.00	.70	7.20	.000	7	.000	7	49.5	55.2	.009	5
201- 204	A10-01	.033	7	0.0	-.34	-.00	.39	7.41	.000	7	.001	7	49.4	55.2	.009	5
201- 301	DAL-01	.009	7	15.0	1.24	64.46	126.85	-24.04	.008	7	.005	7	17.5	17.5	.003	5
201- 303	120-01	.022	7	0.0	-2.77	-1.34	-2.73	18.12	.002	7	.001	7	72.3	72.3	.005	5
202- 203	A10-01	.026	7	14.5	2.24	-.00	-.63	4.41	.000	7	.000	7	49.5	55.2	.006	5
202- 204	A08-01	.004	7	0.0	.00	.00	.04	-.46	.000	7	.000	7	50.9	108.3	.001	5
202- 205	A08-01	.005	7	14.5	-.12	.00	-.02	-.60	.000	7	.000	7	50.9	108.3	.002	5
203- 205	A10-01	.010	7	0.0	.52	-.00	.41	-3.39	.000	7	.000	7	49.4	55.2	.004	5
203- 303	DAL-01	.038	7	15.0	2.00	-34.76	523.33	-186.33	.008	7	.007	7	17.5	17.5	.009	5
203- 305	120-01	.052	7	32.0	-4.26	-2.12	7.20	22.95	.003	7	.002	7	72.3	72.3	.004	5
204- 205	A08-01	.009	7	14.5	.11	-.00	.02	-.62	.000	5	.000	7	50.9	108.4	.002	5
204- 206	A10-01	.023	7	14.5	-.39	-.00	-1.51	4.94	.000	7	.000	7	49.5	55.2	.008	5
205- 206	A10-01	.018	7	14.5	.39	.00	-.79	3.81	.000	7	.000	7	49.5	55.2	.006	5
205- 305	120-01	.026	7	32.0	5.28	4.49	-5.74	-24.06	.006	7	.003	7	72.3	72.3	.005	5
206- 306	DAL-01	.024	7	15.0	-1.48	-22.90	381.10	-156.14	.006	7	.005	7	17.5	17.5	.005	5
301- 303	125-01	.039	7	0.0	-4.65	2.85	-5.75	32.78	.004	7	.003	7	64.2	64.2	.011	5
301- 306	125-01	.037	7	0.0	-4.46	-.16	-12.05	28.42	.001	7	.001	7	64.2	64.2	.006	5
301- 401	DAL-01	.038	7	28.5	-5.83	-17.32	-398.62	-381.04	.016	7	.017	7	33.3	33.3	.010	5
303- 305	125-01	.039	7	0.0	5.24	1.19	-18.14	-31.20	.003	7	.002	7	64.2	64.2	.012	5
303- 403	DAL-01	.070	7	28.5	.77	-71.50	-969.32	411.94	.026	7	.023	7	33.3	33.3	.017	5
305- 406	DAL-01	.031	7	0.0	-5.64	-79.31	410.08	-144.46	.020	7	.016	7	33.3	33.3	.014	5
401- 501	JL4-01	.026	7	4.0	-18.11	128.24	-225.05	1555.18	.020	7	.018	7	3.3	3.3	.008	5
401- 510	M1-01	.312	7	0.0	12.52	-56.98	-71.84	491.35	.011	7	.010	7	3.9	3.9	.009	5
403- 503	JL4-01	.148	7	4.0	-665.60	-51.09	1024.62	-1460.94	.017	7	.016	7	3.3	3.3	.055	5
403- 511	M1-01	.160	7	0.0	672.95	184.02	599.24	-770.81	.008	7	.005	7	3.9	3.9	.060	5
406- 506	JL4-01	.138	7	4.0	695.04	-209.60	-768.78	-157.07	.015	7	.012	7	3.3	3.3	.053	5
406- 512	M1-01	.154	7	4.0	-699.87	163.78	-23.16	315.74	.010	7	.007	7	3.9	3.9	.065	5
501- 502	105-01	.087	7	0.0	12.47	-20.35	17.30	180.52	.031	7	.024	7	53.5	26.7	.036	5
501- 504	105-01	.202	7	0.0	-64.31	-.72	-128.71	180.99	.019	7	.019	7	53.5	26.7	.078	5
501- 601	JL3-01	.047	7	6.1	-55.49	225.41	261.74	-1094.19	.041	7	.036	7	4.5	4.5	.025	5
501- 602	202-01	.205	7	0.0	66.72	-26.04	246.20	-464.86	.035	7	.030	7	28.6	28.6	.085	5
502- 503	105-01	.072	7	0.0	19.30	14.87	-5.75	-111.20	.022	7	.018	7	53.5	26.7	.030	5
502- 504	105-01	.034	7	15.2	1.16	5.30	20.37	5.99	.016	7	.009	7	49.5	49.5	.012	5
502- 505	105-01	.122	7	15.2	-4.64	-2.79	1.71	-55.20	.025	7	.022	7	49.5	49.5	.054	5
503- 505	105-01	.130	7	0.0	42.01	-12.19	-142.56	-101.69	.013	7	.009	7	53.5	26.7	.039	5
503- 603	JL3-01	.223	7	0.0	-550.97	-341.44	1167.33	-1240.59	.045	7	.037	7	4.5	4.5	.086	5

STRAN MEMBER STRESS REPORT NO. 2

U.S. NAVY - ACAN PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS: FORCE FA KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEAR HIGH UN.CK.	LD CN
503- 625	200-01	.274	7	0.0	-142.57	-16.97	-376.14	-201.48	.020	7	.017	7	28.4	28.4	.109	5
504- 505	105-01	.114	7	15.2	8.52	-2.51	-8.12	-60.63	.025	7	.023	7	49.5	49.5	.053	5
504- 506	105-01	.108	7	0.0	-69.20	26.23	17.04	-101.03	.033	7	.024	7	53.5	26.7	.073	5
505- 506	105-01	.147	7	15.2	30.22	-6.78	165.36	210.85	.015	7	.011	7	53.5	26.7	.049	5
505- 600	JL5-01	.225	7	0.1	644.75	-43.42	852.50	266.80	.015	7	.012	7	4.5	4.5	.095	5
506- 626	200-01	.254	7	0.0	68.11	55.07	216.65	601.44	.040	7	.033	7	28.4	28.4	.104	5
510- 710	P1-01	.054	7	25.3	12.54	-56.76	678.15	-2776.60	.007	7	.006	7	21.4	21.4	.027	5
511- 711	P1-01	.210	7	25.3	672.97	183.46	-2390.84	2544.72	.015	7	.012	7	21.4	21.4	.088	5
512- 712	P1-01	.185	7	25.3	-599.87	183.94	1794.24	-197.33	.010	7	.007	7	21.4	21.4	.077	5
601- 621	JL6-01	.072	7	0.1	-52.57	558.15	525.69	-1994.84	.039	7	.027	7	4.5	4.5	.035	5
603- 623	JL6-01	.212	7	0.1	-549.75	-463.94	-729.86	1050.96	.036	7	.027	7	4.5	4.5	.095	5
606- 626	JL6-01	.253	7	0.1	646.09	-44.29	845.91	241.79	.009	7	.008	7	4.5	4.5	.099	5
621- 651	JL6-01	.084	7	0.1	-52.67	560.52	706.65	-2438.71	.034	7	.022	7	4.5	4.5	.039	5
622- 703	200-01	.219	7	21.6	66.70	-30.25	323.02	-469.84	.041	7	.035	7	30.5	30.5	.093	5
623- 653	JL6-01	.251	7	0.1	-547.91	-466.01	-1241.82	1617.49	.033	7	.023	7	4.5	4.5	.101	5
624- 701	200-01	.207	7	21.9	68.10	54.94	58.18	419.63	.040	7	.033	7	30.7	30.7	.084	5
625- 706	200-01	.259	7	21.9	-142.55	-16.87	-208.70	99.41	.020	7	.017	7	30.7	30.7	.102	5
626- 656	JL6-01	.253	7	1.5	645.48	-43.90	873.58	202.26	.008	7	.007	7	4.5	4.5	.099	5
651- 701	JL6-01	.065	7	0.0	-58.35	979.10	677.56	-2315.26	.069	7	.047	7	5.3	5.3	.038	5
653- 703	JL6-01	.246	7	0.0	-584.85	-565.10	-1274.33	1695.47	.039	7	.027	7	5.3	5.3	.108	5
656- 706	JL6-01	.250	7	0.0	644.05	-43.90	805.30	-7.76	.015	7	.014	7	5.3	5.3	.096	5
701- 702	137-01	.229	7	18.8	43.30	-6.66	-28.50	-165.74	.030	7	.026	7	83.1	41.5	.153	8
701- 704	137-01	.141	7	18.8	-4.29	-11.85	-3.42	-150.72	.035	7	.028	7	83.1	41.5	.121	8
701- 801	JL7-01	.096	7	14.2	54.13	340.91	23.47	-1135.35	.053	7	.038	7	21.4	21.4	.043	5
701- 810	200-01	.293	7	0.0	-105.16	-28.40	-253.09	-531.71	.038	7	.032	7	70.3	70.3	.134	5
702- 703	137-01	.199	7	0.0	48.12	4.50	-26.84	-109.30	.025	8	.021	7	83.1	41.5	.131	8
702- 704	107-01	.030	7	18.8	-.52	2.63	19.25	-2.24	.010	7	.007	8	61.3	61.3	.030	8
702- 705	107-01	.134	7	18.8	-8.89	-1.53	6.04	-71.52	.026	7	.025	7	61.3	61.3	.059	5
703- 705	137-01	.105	7	0.0	-21.15	-3.72	4.93	-125.41	.024	8	.017	8	83.1	41.5	.117	8
703- 801	200-01	.321	7	0.0	-108.02	27.44	-108.40	657.02	.039	7	.034	7	70.3	70.3	.143	5
705- 803	JL7-01	.305	7	7.1	-488.74	147.98	-1104.60	885.36	.042	7	.034	7	21.4	21.4	.173	5
706- 705	107-01	.134	7	0.0	7.41	.04	5.52	-74.50	.023	7	.023	7	61.3	61.3	.060	5
706- 706	137-01	.127	8	18.8	1.85	7.35	165.38	-.20	.028	7	.022	7	83.1	41.6	.104	7
705- 706	137-01	.179	7	18.8	-31.64	-1.82	68.97	65.60	.025	8	.019	8	83.1	41.6	.125	8
706- 803	200-01	.324	7	0.0	167.69	-4.55	371.00	-169.32	.014	7	.013	7	70.3	70.3	.142	5
705- 806	JL7-01	.357	7	14.2	454.55	-278.20	1054.03	376.15	.048	7	.036	7	21.4	21.4	.150	5
710- 810	P2-01	.052	7	0.0	12.34	-55.84	674.05	-2777.62	.003	7	.002	7	24.1	24.1	.024	5
711- 811	P2-01	.185	7	0.0	672.96	181.26	-2394.62	2541.28	.008	7	.005	7	24.1	24.1	.076	5
712- 812	P2-01	.183	7	28.4	-599.87	184.01	2364.58	1208.21	.006	7	.005	7	24.1	24.1	.074	5
801- 802	140-01	.112	7	22.8	2.60	-5.74	-53.20	-171.87	.023	7	.021	7	91.6	45.8	.055	8
801- 804	140-01	.213	7	22.8	-29.18	-15.57	-12.21	-188.75	.034	7	.026	7	91.6	45.8	.091	5
801- 901	JL8-01	.090	7	16.2	-67.64	-64.27	-67.54	-805.65	.023	7	.020	7	24.5	24.5	.038	5
801- 903	200-01	.270	7	54.6	109.84	-30.24	184.50	-548.94	.031	7	.025	7	83.5	83.5	.109	5
802- 803	140-01	.081	7	0.0	7.40	12.50	-51.84	-109.86	.025	7	.019	7	91.6	45.8	.054	8
802- 804	105-01	.025	7	22.8	.45	3.98	14.69	-2.30	.012	7	.008	7	74.5	74.5	.019	8
802- 805	105-01	.133	7	0.0	-8.63	-3.30	-9.28	-88.83	.025	7	.021	7	74.5	74.5	.049	5
803- 805	140-01	.114	7	0.0	28.45	-3.36	-24.81	-80.70	.013	8	.009	8	91.6	45.8	.086	8
803- 903	JL8-01	.219	7	0.1	-274.95	-123.18	-557.28	190.42	.028	7	.022	7	24.5	24.5	.091	5

STRAN MEMBER STRESS REPORT NO. 2

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS: FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
803-906	200-01	.452	7	0.0	-201.39	-.72	-315.52	-192.63	.007	7	.007	7	83.5	83.5	.166	5
804-805	100-01	.122	7	22.6	6.19	.12	-4.12	-69.78	.018	7	.018	7	74.5	74.5	.045	5
804-806	140-01	.191	7	0.0	-35.31	10.48	-11.00	-129.55	.025	7	.020	7	91.6	45.8	.082	8
805-806	140-01	.155	7	22.6	19.46	-6.75	108.79	149.14	.014	7	.011	7	91.6	45.8	.073	8
[illegible]	[illegible]	.241	7	0.0	115.86	25.42	308.21	510.11	.030	7	.026	7	83.5	83.5	.116	5
[illegible]	[illegible]	.258	7	16.2	332.01	355.88	556.16	513.50	.051	7	.035	7	24.5	24.5	.107	5
810-910	M2-01	.040	7	0.0	12.34	-57.45	-34.19	-2147.36	.005	7	.004	7	27.5	27.5	.016	5
811-911	M2-01	.188	7	0.0	672.95	182.93	-2370.01	817.20	.012	7	.009	7	27.5	27.5	.067	5
812-912	M2-01	.185	7	0.0	-699.85	184.55	2364.56	1208.13	.011	7	.008	7	27.5	27.5	.075	5
901-902	100-01	.143	7	27.4	-17.90	-9.76	-30.70	-169.33	.022	7	.018	7	96.0	48.0	.064	5
901-[illegible]	100-01	.256	7	27.4	-55.68	-14.76	-22.05	-211.44	.026	7	.020	7	96.0	48.0	.107	5
901-1001	JL4-01	.028	7	16.2	1.03	-211.89	-108.92	-504.61	.030	7	.021	7	24.5	24.5	.016	5
901-1002	100-01	.228	7	42.2	91.95	-18.54	91.83	-179.87	.023	7	.018	7	65.5	65.5	.088	5
901-1004	100-01	.260	7	42.2	-99.95	-13.74	-118.56	-147.36	.020	7	.016	7	65.5	65.5	.114	5
902-903	100-01	.098	7	0.0	-13.83	6.95	-26.66	-119.23	.016	7	.013	7	96.0	48.0	.044	5
902-904	100-01	.027	7	27.4	.28	4.69	18.14	.19	.013	7	.008	7	89.5	89.5	.013	5
902-905	100-01	.127	7	0.0	-5.88	-2.07	-9.45	-64.80	.018	7	.015	7	89.5	89.5	.050	5
903-905	100-01	.191	7	0.0	70.05	-2.34	-55.37	-112.12	.005	7	.004	7	96.0	48.0	.077	5
903-[illegible]	100-01	.205	7	0.0	-93.27	8.49	-68.41	175.83	.018	7	.015	7	65.5	65.5	.108	5
903-1003	JL4-01	.042	7	0.0	-20.56	185.20	395.49	-339.67	.027	7	.019	7	24.5	24.5	.018	5
903-1005	100-01	.448	7	0.0	-170.44	21.51	-184.08	-117.62	.021	7	.015	7	65.5	65.5	.178	5
904-905	100-01	.120	7	27.4	5.64	-1.79	-2.13	-69.50	.018	7	.016	7	89.6	89.6	.043	5
9[illegible]	9[illegible]	.244	7	0.0	-59.33	12.36	-20.22	-154.23	.021	7	.016	7	96.0	48.0	.102	5
9[illegible]	9[illegible]	.205	7	27.4	62.27	-5.18	123.29	145.20	.009	7	.007	7	96.0	48.0	.091	5
9[illegible]	1[illegible]	.241	7	0.0	108.70	-1.25	109.18	166.58	.014	7	.014	7	65.5	65.5	.095	5
9[illegible]	1[illegible]	.350	7	42.2	170.83	7.92	172.43	20.76	.013	7	.010	7	65.5	65.5	.142	5
905-1006	JL4-01	.042	7	16.2	19.49	115.77	262.97	463.33	.023	7	.018	7	24.5	24.5	.017	5
1010-910	M3-01	.120	7	0.0	12.33	-57.45	599.75	6660.19	.012	7	.011	7	27.5	27.5	.039	5
1011-911	M3-01	.250	7	0.0	672.98	183.51	-6339.54	-3410.72	.019	7	.016	7	27.5	27.5	.091	5
1012-912	M3-01	.248	7	0.0	-699.89	184.55	5972.83	-1850.06	.016	7	.013	7	27.5	27.5	.089	5
1001-1002	200-01	.277	7	0.0	-124.18	13.87	167.53	115.67	.013	7	.011	7	89.8	44.9	.114	5
1001-1004	200-01	.192	7	0.0	117.79	34.43	-170.37	117.77	.022	7	.015	7	89.8	44.9	.078	5
1002-1003	200-01	.030	7	24.0	3.01	-52.71	-67.25	89.50	.027	7	.016	7	89.8	44.9	.014	8
1002-1004	140-01	.091	7	32.0	.10	17.57	114.61	.52	.028	7	.017	7	63.8	63.8	.035	5
1002-1005	140-01	.118	7	0.0	-9.70	-7.30	-84.27	-61.67	.019	7	.014	7	63.8	63.8	.044	5
1003-1005	200-01	.229	7	0.0	129.75	4.35	-245.72	-176.08	.006	7	.005	7	89.8	44.9	.091	5
1004-1005	140-01	.096	7	0.0	9.59	-10.78	65.28	-55.85	.023	7	.016	7	63.8	63.8	.038	8
1004-1006	200-01	.067	7	32.0	-19.40	-28.74	131.85	-25.74	.017	7	.012	7	89.8	44.9	.027	5
1005-1006	200-01	.261	7	32.0	-105.26	4.18	251.23	148.57	.005	7	.005	7	89.8	44.9	.105	5

STRAN MEMBER STRESS REPORT NO. 3

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
101- 102	M10-01	.030	7	0.0	.00	.00	.64	.06	-.01	49.5	55.2	.007	5	.003	8
101- 104	M10-01	.030	7	0.0	-.00	-.00	.65	.06	.00	49.4	55.2	.008	5	.003	8
101- 201	DBL-01	.002	7	15.0	-.00	-.04	0.00	-.10	.11	17.5	17.5	.001	5	.000	3
102- 103	M10-01	.019	7	14.5	.01	-.02	.39	-.04	-.01	49.5	55.2	.004	5	.002	8
102- 104	M08-01	.004	7	0.0	.00	-.00	-.08	-.00	.00	50.9	108.3	.001	5	.000	3
102- 105	M08-01	.006	7	14.5	-.02	.00	-.10	.00	.00	50.9	108.3	.002	5	.001	8
103- 105	M10-01	.014	7	0.0	.00	-.01	-.29	-.02	.01	49.4	55.2	.003	5	.002	8
103- 203	DBL-01	.002	7	15.0	.00	.04	0.00	.17	-.01	17.5	17.5	.000	5	.000	3
104- 105	M08-01	.005	7	14.5	.01	-.00	-.10	.00	-.00	50.9	108.4	.002	5	.001	8
104- 106	M10-01	.021	7	14.5	-.00	.01	.43	-.04	.00	49.5	55.2	.007	5	.003	3
105- 106	M10-01	.015	7	14.5	-.00	.01	.33	-.02	.01	49.5	55.2	.006	5	.002	3
105- 206	DBL-01	.002	7	15.0	.00	.06	0.00	-.08	-.20	17.5	17.5	.000	5	.000	3
201- 202	M10-01	.034	7	0.0	.14	.01	.66	.06	-.00	49.5	55.2	.009	5	.004	8
201- 204	M10-01	.033	7	0.0	-.02	.00	.69	.06	-.01	49.4	55.2	.009	5	.004	8
201- 301	DBL-01	.009	7	15.0	.01	.20	0.00	.24	.62	17.5	17.5	.003	5	.002	3
201- 303	120-01	.022	7	0.0	-.14	-.32	0.00	.03	.02	72.3	72.3	.005	5	.002	3
202- 203	M10-01	.026	7	14.5	.14	-.01	.41	-.04	-.00	49.5	55.2	.006	5	.003	8
202- 204	M08-01	.004	7	0.0	.00	.00	-.09	-.01	-.00	50.9	108.3	.001	5	.000	3
202- 205	M08-01	.006	7	14.5	-.02	-.00	-.11	.00	.00	50.9	108.3	.002	5	.001	8
203- 205	M10-01	.015	7	0.0	.03	.00	-.32	-.02	-.00	49.4	55.2	.004	5	.002	8
203- 303	DBL-01	.038	7	15.0	.02	.87	0.00	.95	2.93	17.5	17.5	.009	5	.005	3
203- 306	120-01	.032	7	32.6	-.22	-.42	0.00	-.12	.03	72.3	72.3	.008	5	.005	8
204- 205	M08-01	.006	7	14.5	.02	.00	-.11	.00	.00	50.9	108.4	.002	5	.001	8
204- 206	M10-01	.023	7	14.5	-.02	-.02	.46	-.05	-.01	49.5	55.2	.008	5	.005	3
205- 206	M10-01	.018	7	14.5	.02	-.01	.36	-.03	-.00	49.5	55.2	.008	5	.005	3
205- 301	120-01	.026	7	32.6	.17	.43	0.00	.06	-.01	72.3	72.3	.005	5	.002	8
205- 306	DBL-01	.026	7	15.0	-.02	-.64	0.00	.97	2.29	17.5	17.5	.005	5	.002	3
301- 303	125-01	.039	7	0.0	-.24	-.58	0.00	.10	.03	64.2	64.2	.011	5	.004	3
301- 306	125-01	.037	7	0.0	-.25	-.54	0.00	.07	.08	64.2	64.2	.006	5	.002	8
301- 401	DBL-01	.034	7	28.5	-.04	-.66	0.00	5.45	-9.03	33.3	33.3	.010	5	.005	3
303- 306	125-01	.039	7	0.0	.27	.64	0.00	-.18	.10	64.2	64.2	.012	5	.004	3
303- 403	DBL-01	.070	7	28.5	.01	1.65	0.00	2.59	-11.99	33.3	33.3	.017	5	.007	3
306- 406	DBL-01	.031	7	0.0	-.04	-.68	0.00	-2.19	-.49	33.3	33.3	.016	5	.006	3
401- 501	JL4-01	.026	7	4.6	-.06	-.55	0.00	-30.09	-5.03	3.3	3.3	.008	5	.004	3
401- 510	P1-01	.012	7	0.0	.08	.23	0.00	14.62	3.63	3.9	3.9	.009	5	.004	3
403- 503	JL4-01	.148	7	4.6	-2.62	-.63	0.00	17.69	21.69	3.3	3.3	.055	5	.025	8
403- 511	P1-01	.160	7	0.0	3.04	.46	0.00	-5.42	1.91	3.9	3.9	.060	5	.024	8
406- 506	JL4-01	.138	7	4.6	2.75	.26	0.00	8.15	-15.52	3.3	3.3	.053	5	.022	3
406- 512	P1-01	.154	7	4.6	-3.10	-.15	0.00	-3.86	4.27	3.9	3.9	.065	5	.027	3
501- 502	105-01	.087	7	0.0	.41	1.62	0.00	-.03	-.04	53.5	26.7	.036	5	.020	8
501- 504	105-01	.202	7	0.0	-2.13	-1.99	0.00	.17	.98	53.5	26.7	.078	5	.028	3
501- 601	JL3-01	.047	7	6.1	-.38	-.71	0.00	25.66	7.29	4.5	4.5	.025	5	.011	3
501- 622	200-01	.205	7	0.0	1.75	2.94	0.00	-6.21	-2.98	28.6	28.6	.045	5	.051	3
502- 503	105-01	.072	7	0.0	.64	1.00	0.00	-2.76	-.51	53.5	26.7	.030	5	.014	8
502- 504	105-01	.034	7	15.2	.10	.71	0.00	-.10	.26	49.5	49.5	.012	5	.004	3
502- 505	105-01	.122	7	15.2	-.41	-1.85	0.00	1.59	-.01	49.5	49.5	.054	5	.006	3
503- 505	105-01	.130	7	0.0	1.39	1.57	0.00	-.60	.62	53.5	26.7	.039	5	.011	8
503- 603	JL3-01	.223	7	0.0	-5.45	-1.05	0.00	-22.80	-17.66	4.5	4.5	.086	5	.041	8

STRAN MEMBER STRESS REPORT NO. 3

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
503- 625	200-01	.274	7	0.0	-5.75	-2.39	0.00	-1.05	3.64	28.4	28.4	.109	5	.046	3
504- 505	105-01	.118	7	15.2	.70	2.05	0.00	1.66	-.28	49.5	49.5	.053	5	.005	3
504- 506	105-01	.188	7	0.0	-2.29	-1.45	0.00	-3.50	.61	53.5	26.7	.073	5	.026	3
505- 506	105-01	.147	7	15.2	1.00	2.40	0.00	-1.75	.90	53.5	26.7	.049	5	.015	3
506- 606	JL5-01	.223	7	6.1	4.51	.33	0.00	-1.01	5.36	4.5	4.5	.095	5	.041	3
506- 624	200-01	.258	7	0.0	2.32	3.58	0.00	6.98	-1.03	28.4	28.4	.104	5	.036	3
510- 710	P1-01	.059	7	25.3	.08	1.34	0.00	8.11	1.80	21.4	21.4	.027	5	.015	4
511- 711	P1-01	.210	7	25.3	5.04	1.03	0.00	-10.30	-10.17	21.4	21.4	.088	5	.043	4
512- 712	P1-01	.185	7	25.3	-5.16	-.84	0.00	1.69	5.98	21.4	21.4	.077	5	.034	3
601- 621	JL6-01	.072	7	6.1	-.37	-1.30	0.00	9.26	2.87	4.5	4.5	.035	5	.016	3
603- 623	JL6-01	.212	7	6.1	-5.85	-.80	0.00	-9.77	-8.25	4.5	4.5	.095	5	.043	3
604- 624	JL6-01	.233	7	6.1	4.52	.55	0.00	1.94	2.97	4.5	4.5	.099	5	.043	3
621- 651	JL6-01	.084	7	6.1	-.37	-1.60	0.00	2.55	2.49	4.5	4.5	.039	5	.016	3
622- 703	200-01	.219	7	21.4	1.75	5.28	0.00	6.81	4.11	30.5	30.5	.093	5	.036	3
623- 653	JL6-01	.231	7	6.1	-5.83	-1.28	0.00	-6.19	-4.52	4.5	4.5	.101	5	.046	3
624- 701	200-01	.207	7	21.9	2.32	2.37	0.00	-6.95	1.73	30.7	30.7	.084	5	.031	3
625- 706	200-01	.236	7	21.9	-5.75	-1.29	0.00	-.09	-3.78	30.7	30.7	.102	5	.047	3
626- 656	JL6-01	.255	7	1.5	4.52	.56	0.00	2.56	.66	4.5	4.5	.099	5	.044	4
651- 701	JL6-01	.083	7	0.0	-.41	-1.52	0.00	-19.11	-3.67	5.3	5.3	.038	5	.017	3
653- 703	JL6-01	.245	7	0.0	-4.09	-1.33	0.00	8.04	3.25	5.3	5.3	.108	5	.048	3
656- 706	JL6-01	.230	7	0.0	4.51	.51	0.00	5.08	-3.61	5.3	5.3	.096	5	.044	4
701- 702	137-01	.229	7	18.8	2.25	2.97	0.00	2.99	-.26	83.1	41.5	.133	8	.104	5
701- 704	137-01	.141	7	18.8	-.43	-2.66	0.00	2.88	-.03	83.1	41.5	.121	8	.075	6
701- 801	JL7-01	.096	7	14.2	.77	1.44	0.00	-1.85	-1.35	21.4	21.4	.043	5	.023	4
701- 806	200-01	.296	7	0.0	-2.76	-3.30	0.00	-6.89	2.60	70.3	70.3	.134	5	.060	3
702- 703	137-01	.199	7	0.0	2.50	1.98	0.00	-2.51	-.02	83.1	41.5	.131	8	.091	5
702- 704	107-01	.030	7	18.8	-.04	-.05	0.00	.04	.35	61.3	61.3	.030	8	.018	6
702- 705	107-01	.134	7	18.8	-.58	-2.40	0.00	1.96	.11	61.3	61.3	.059	5	.033	8
703- 705	137-01	.186	7	0.0	-1.10	-2.21	0.00	-.97	-.43	83.1	41.5	.117	8	.084	5
703- 801	200-01	.321	7	0.0	-2.79	-3.82	0.00	7.71	1.52	70.3	70.3	.143	5	.064	3
703- 803	JL7-01	.405	7	7.1	-6.91	-1.80	0.00	.62	-2.62	21.4	21.4	.173	5	.093	8
704- 705	107-01	.134	7	0.0	.62	2.50	0.00	-1.95	.06	61.3	61.3	.060	5	.035	8
704- 706	137-01	.127	8	18.8	.09	2.92	0.00	-.11	1.97	83.1	41.6	.106	7	.076	6
705- 706	137-01	.179	7	18.8	-1.64	-1.65	0.00	-.48	.53	83.1	41.6	.125	8	.069	5
705- 805	200-01	.324	7	0.0	4.93	2.28	0.00	-.70	-3.33	70.3	70.3	.142	5	.066	3
705- 806	JL7-01	.357	7	14.2	6.45	1.40	0.00	-1.90	-1.57	21.4	21.4	.150	5	.082	8
710- 810	P2-01	.052	7	0.0	.05	1.19	0.00	-1.85	-2.09	24.1	24.1	.024	5	.015	4
711- 811	P2-01	.185	7	0.0	2.66	1.46	0.00	5.07	.07	24.1	24.1	.078	5	.056	8
712- 812	P2-01	.185	7	28.4	-2.78	-1.11	0.00	-4.15	1.67	24.1	24.1	.074	5	.054	8
801- 802	148-01	.112	7	22.8	.13	2.53	0.00	2.68	-.22	91.6	45.8	.053	8	.044	5
801- 804	148-01	.215	7	22.8	-1.38	-2.74	0.00	2.75	.04	91.6	45.8	.091	5	.089	8
801- 901	JL6-01	.090	7	16.2	-.96	-1.03	0.00	-.51	-.99	24.5	24.5	.038	5	.024	4
801- 903	200-01	.270	7	59.6	2.49	5.25	0.00	4.49	1.94	85.5	85.5	.109	5	.040	8
802- 803	148-01	.081	7	0.0	.55	1.53	0.00	-1.93	-.08	91.6	45.8	.054	4	.033	5
802- 804	108-01	.023	7	22.8	.04	.03	0.00	.00	.28	74.5	74.5	.019	8	.014	5
802- 805	108-01	.135	7	0.0	-.56	-2.32	0.00	-1.46	-.02	74.5	74.5	.049	5	.026	8
803- 805	148-01	.114	7	0.0	1.34	1.22	0.00	-.45	-.32	91.6	45.8	.086	8	.053	6
803- 903	JL6-01	.219	7	8.1	-5.49	-.75	0.00	-1.15	-1.20	24.5	24.5	.091	5	.061	8

STRAN MEMBER STRESS REPORT NO. 3

DATE 10/05/76

U.S. NAVY - ACMR PLATFORMS - FATIGUE ANALYSIS - MLW 105.0 FEET

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
903- 908	200-01	.452	7	0.0	-5.29	-2.07	0.00	-.64	1.73	83.5	83.5	.186	5	.088	8
904- 905	108-01	.122	7	22.8	.52	2.34	0.00	1.51	-.06	74.5	74.5	.048	5	.029	8
904- 908	140-01	.191	7	0.0	-1.57	-1.88	0.00	-2.20	.31	91.6	45.8	.082	8	.082	5
905- 908	140-01	.155	7	22.8	.92	2.07	0.00	-.86	.68	91.6	45.8	.073	8	.068	5
906- 907	200-01	.201	7	0.0	3.05	3.34	0.00	5.34	-1.83	83.5	83.5	.116	5	.073	8
906- 908	JL8-01	.258	7	16.2	4.70	.96	0.00	-.31	-2.62	24.5	24.5	.107	5	.070	8
910- 910	P2-01	.040	7	0.0	.05	.90	0.00	-6.33	-1.70	27.5	27.5	.016	5	.013	8
911- 911	P2-01	.108	7	0.0	2.88	1.04	0.00	4.96	10.94	27.5	27.5	.047	5	.036	8
912- 912	P2-01	.105	7	0.0	-2.78	-1.11	0.00	.46	-9.52	27.5	27.5	.075	5	.034	8
901- 902	104-01	.143	7	27.4	-.74	-2.10	0.00	2.48	-.24	96.0	48.0	.044	5	.028	8
901- 904	104-01	.256	7	27.4	-2.29	-2.32	0.00	2.55	.04	96.0	48.0	.107	5	.056	8
901-1001	JL4-01	.028	7	16.2	.01	.00	0.00	-.58	.60	24.5	24.5	.016	8	.011	5
901-1002	180-01	.228	7	42.2	5.35	1.73	0.00	2.19	1.05	65.5	65.5	.088	5	.070	8
901-1004	180-01	.260	7	42.2	-5.64	-1.62	0.00	2.09	-1.12	65.5	65.5	.114	5	.065	8
902- 903	104-01	.094	7	0.0	-.57	-1.54	0.00	-1.82	-.13	96.0	48.0	.044	5	.020	3
902- 904	104-01	.027	7	27.4	.02	.01	0.00	-.02	.21	89.5	89.5	.013	5	.012	8
902- 905	104-01	.127	7	0.0	-.49	-2.19	0.00	-1.12	-.05	89.5	89.5	.050	5	.031	8
903- 905	104-01	.191	7	0.0	2.88	1.37	0.00	-.45	-.03	96.0	48.0	.077	5	.067	8
903-1002	180-01	.265	7	0.0	-5.59	-1.81	0.00	2.48	.59	65.5	65.5	.108	5	.064	8
903-1003	JL4-01	.042	7	0.0	-.29	-.06	0.00	-3.13	-4.58	24.5	24.5	.018	5	.017	8
903-1005	180-01	.448	7	0.0	-8.20	-1.87	0.00	-.52	1.58	65.5	65.5	.178	5	.101	8
904- 905	104-01	.120	7	27.4	.47	2.53	0.00	1.23	-.04	89.6	89.6	.043	5	.033	8
904- 908	104-01	.248	7	0.0	-2.44	-1.70	0.00	-2.05	.29	96.0	48.0	.102	5	.050	8
905- 908	104-01	.206	7	27.4	2.50	2.08	0.00	-.73	.57	96.0	48.0	.091	5	.054	8
905-1004	180-01	.241	7	0.0	5.66	1.70	0.00	2.48	-.94	65.5	65.5	.095	5	.072	8
905-1005	180-01	.550	7	42.2	6.21	1.48	0.00	-.10	1.55	65.5	65.5	.142	5	.110	8
905-1006	JL4-01	.042	7	16.2	.28	.09	0.00	1.19	-.47	24.5	24.5	.017	5	.017	8
1010- 910	P3-01	.120	7	0.0	.05	2.79	0.00	17.92	-3.33	27.5	27.5	.039	5	.020	8
1011- 911	P3-01	.250	7	0.0	2.88	3.00	0.00	-11.62	21.14	27.5	27.5	.091	5	.055	8
1012- 912	P3-01	.248	7	0.0	-2.78	-2.61	0.00	-2.11	-10.78	27.5	27.5	.089	5	.047	8
1001-1002	200-01	.277	7	0.0	-5.26	-1.14	0.00	-.66	-.70	89.8	44.9	.114	5	.055	8
1001-1004	200-01	.192	7	0.0	3.10	1.16	0.00	-.87	.60	89.8	44.9	.078	5	.071	8
1002-1003	200-01	.050	7	24.0	.08	.03	0.00	.45	-.40	89.8	44.9	.014	8	.011	5
1002-1004	140-01	.091	7	32.0	.01	2.15	0.00	-.01	.58	63.8	63.8	.035	5	.029	8
1002-1005	140-01	.118	7	0.0	-.60	-1.96	0.00	-.97	.33	63.8	63.8	.044	5	.039	8
1003-1005	200-01	.229	7	0.0	5.41	1.09	0.00	-.62	1.05	89.8	44.9	.091	5	.087	8
1004-1005	140-01	.096	7	0.0	.80	1.01	0.00	-.94	-.25	63.8	63.8	.038	8	.034	5
1004-1006	200-01	.067	7	32.0	-.51	-.75	0.00	1.35	.58	89.8	44.9	.027	5	.017	8
1005-1006	200-01	.201	7	32.0	-2.77	-1.03	0.00	-.54	.90	89.8	44.9	.105	5	.059	8

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PUYUNCD.   10/05/76. *UNITED COMPUTING* 67. APEX/SL 8.8.0

20.02.21.STRAN,CM100,T500,L5.
20.02.22.PL       64       0.000
20.02.22.AC3401COM0051,277/101JT )B
20.02.22. 10/05/76.PUYUNCD
20.02.22.PL     3392       0.001
20.02.22.GET,TAPE20=SPFILE(LIBRARY)
20.02.40.READY =    SPFILE
20.02.40.GET,STRAN=STRAN5(LIBRARY)
20.02.40.DAP READY =          STRAN5
20.02.40.GET,TAPE3=S771J83.
20.02.40.READY =    S771J83
20.02.40.MFL,170000.
20.02.40.PL     4096       0.002         0         0.
20.02.40.PL      419           3
20.02.40.STRAN.
20.02.40.PLS   01440       0.002
20.02.47.PLA   01440       0.357       336         9
20.02.47.PL REQUIRED TO LOAD     620738 ( 25056)
20.02.47.PL REQUIRED TO EXECUTE  521008 ( 21508)
20.02.47.PL    01440       0.373
20.03.09.SSL STRAN STRAN5
20.03.09.
20.03.09.   SSSSSSSSSSSSSSSSSSSSSSSSSSSS
20.03.09. SSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
20.03.09. SSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
20.03.09. SSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
20.03.09. SSSSSSS
20.03.09. SSSSSSS IIIIIIIIIIIIIIIIIIIIII
20.03.09. SSSSSSS IIIIIIIIIIIIIIIIIIIIII
20.03.09. SSSSSSS IIIIIIIIIIIIIIIIIIIIII
20.03.09. SSSSSSS IIIIIIIIIIIIIIIIIIIIII
20.03.09. SSSSSSS          IIIIIII
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSS
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSSS
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSSS
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSSS
20.03.09.                 IIIIIII SSSSSSS
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSSS
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSSS
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSSS
20.03.09. SSSSSSSSSSSSSSS IIIIIII SSSSSS
20.03.09.
20.03.09.    SYSTEMS TECHNOLOGY, INC.
20.03.09.     S T R A N 5
20.03.15.        400 15
20.07.50.U.S. NAVY - ACMR PLATFORMS - FATIGUE ANA
20.07.50.LYSIS - MLW 105.0 FEET
20.07.50.10/05/76
20.07.50...  5 UNITS     99 JOINTS    182 MEMBERS
20.07.50...  8 BASIC LOADS ON  2389 LOAD CARDS
20.07.50...  8 LOADS SELECTED FOR PROCESSING
20.07.50...UNITY CHECK REQUESTED
20.09.14.UNIT  1, 20 JT ELIM, 11 JT FWD, CYCLE  1
20.09.14.UNIT  2, 20 JT ELIM, 15 JT FWD, CYCLE  1
20.10.12.UNIT  3, 20 JT ELIM,  6 JT FWD, CYCLE  1
20.11.44.UNIT  4, 20 JT ELIM, 12 JT FWD, CYCLE  1
20.13.30.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
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20.14.15.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.14.19.BACKWARD SUBSTITUTION
20.14.20.                .0000                .0002
20.15.18.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
20.15.24.BACKWARD SUBSTITUTION
20.15.33.    0           .0000                .0015
20.15.45.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.15.51.BACKWARD SUBSTITUTION
20.16.10.    0           .0000                .0010
20.16.31.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
20.16.37.BACKWARD SUBSTITUTION
20.16.40.    0           .0017                .0225
20.16.55.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.17.02.BACKWARD SUBSTITUTION
20.17.05.    0           .0001                .0015
20.17.45.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
20.17.48.BACKWARD SUBSTITUTION
20.17.51.    0           .0012                .0235
20.18.08.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.18.12.BACKWARD SUBSTITUTION
20.19.07.    0           .0000                .0002
20.19.28.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
20.19.36.BACKWARD SUBSTITUTION
20.19.56.    1           .0555                .3286
20.20.19.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.20.25.BACKWARD SUBSTITUTION
20.20.28.    0           .0069                .0399
20.20.45.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
20.20.53.BACKWARD SUBSTITUTION
20.20.57.    0           .0232                .3316
20.21.29.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.21.31.BACKWARD SUBSTITUTION
20.21.34.    0           .0010                .0131
20.21.48.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
20.21.54.BACKWARD SUBSTITUTION
20.21.58.    3           .3384                .8283
20.22.21.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.22.26.BACKWARD SUBSTITUTION
20.22.30.    1           .0700                .1278
20.22.44.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  3
20.22.48.BACKWARD SUBSTITUTION
20.22.53.    0           .0130                .0240
20.23.05.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  1
20.23.12.BACKWARD SUBSTITUTION
20.23.14.    3           .0076                .8009
20.23.47.UNIT  5, 18 JT ELIM,  0 JT FWD, CYCLE  2
20.23.50.BACKWARD SUBSTITUTION
20.23.57.    0           .0049                .0050
20.24.04.BACKWARD SUBSTITUTION
20.25.04.PRINTING DEFLECTIONS
20.25.22.COMPUTING FORCES
20.26.24.COMPUTING UNITY CHECK
20.26.36.COMPUTING EQUILIBRIUM
20.26.51.$SC STOP STRANCIA
20.26.52.STOP
20.26.52.SCP*  52672     83.087     47945      5455,
20.26.52.SCPI       93          2
20.26.52.REWIND,OUTPUT.
20.26.52.SCPL     1550     83.087
20.26.52.COPYSF,OUTPUT,JT77109.
20.29.17.COPY COMPLETE.
20.29.17.SCPL     2500     83.511      5086       296
20.29.17.SAVE,JT77109.
20.30.07.READY =  JT77109
20.30.07.COST.
20.30.07.SCPL     9490     83.511         0         0.
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20.30.10.          SERVICE UNITS=     457.4
20.30.10.          JOB COSTS=          68.60
20.30.11.*PL*   22208     83.535        17         6
20.30.11.EXIT.
20.30.11.SJT00  2308      83.535
20.30.11.     *PL*  *CPU SEC. *DISC PRUS* DISC ACC
20.30.11.*P.P. PRUS*P.P. ACC *TAPE PRUS* TAPE ACC
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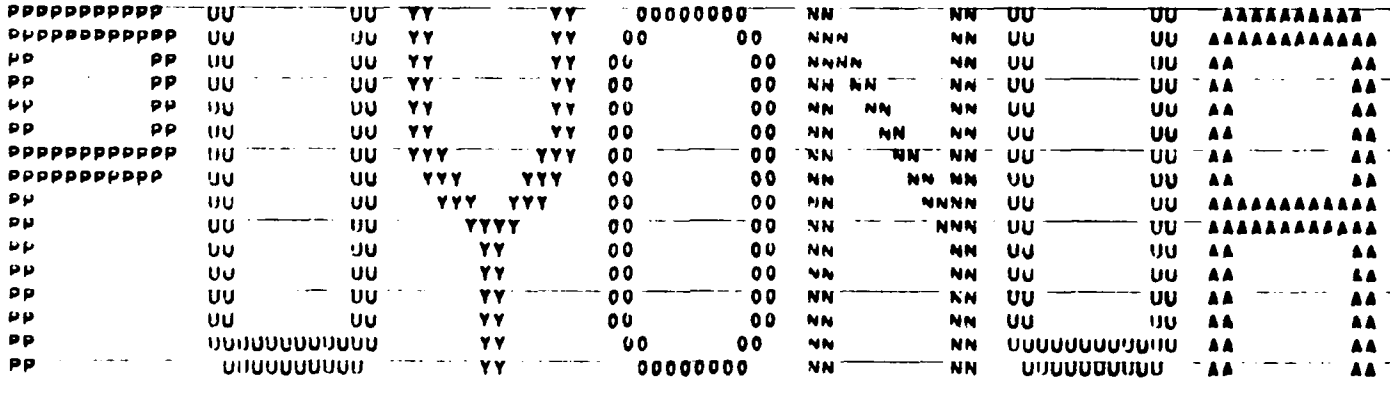
APPENDIX C

WAVE FORCES

6000 REMOTE BATCH

UNITED COMPUTING 67, APEX/SL 8.6.0

11.25.29. 07/20/76.



2 FT WAVE HEIGHT

5.9 SEC WAVE PERIOD

1.3 FPS SURFACE CURRENT

(0.8 knot)

SEALOAD-2

DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
HOUSTON, TEXAS
RELEASE 2 MOD 12
JULY 1976


```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  COEF    12.    0.74          1.34
    2            24.    0.74          1.34
    3            36.    0.74          1.34
    4            48.    0.74          1.34
    5            72.    0.74          1.34
    6  END      144.0   0.74          1.34
    7  VCUR                  1.0       0.1
    8                       10.7       0.2
    9                       21.3       0.3
   10                       32.0       0.4
   11                       42.7       0.4
   12                       53.4       0.5
   13                       64.0       0.5
   14                       74.7       0.6
   15                       85.4       0.7
   16                       96.0       0.7
   17  END                 106.7       0.8
   18                            02 FT WAVE HEIGHT
   19                             C. CHERN
   20                                  JULY, 1976
   21                                  27-771-01
   22  STRAN   1 60010010010011                    DF  1   00  1   20  10670  59  3 11
   23  END
```

**** COEFFICIENT TABLE REPORT ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	=0.0000	1.3400
24.000	.7400	=0.0000	1.3400
36.000	.7400	=0.0000	1.3400
48.000	.7400	=0.0000	1.3400
72.000	.7400	=0.0000	1.3400
144.000	.7400	=0.0000	1.3400

02 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	2.000	FT
MEAN WATER DEPTH =	106.700	FT
WAVE PERIOD =	5.900	SEC
WAVE LENGTH =	174.266	FT
WAVE CELERITY =	30.214	FT/SEC
D/L =	.590545	
LAMBDA =	.03523	

BETA =	.03525
C02 =	32.135192
A11 =	.46558400E-01
A13 =	-.29236920E-01
A15 =	-.36182447E-01
A22 =	.17618290E-05
A24 =	.54396257E-03
A33 =	-.13604161E-07
A35 =	.21858161E-05
A44 =	.86682030E-10
A55 =	-.44141362E-12
B22 =	.50216900
B24 =	.71234972
B33 =	.37744377
B35 =	1.2051931
B44 =	.33629345
B55 =	.32918757
C1 =	1.0021728
C2 =	1.2611494
C3 =	-.54129758E-03
C4 =	.13737659E-03

D1 TO D5	.49517256E-01	.18276903E-06	-.43273022E-10	.16170619E-13	-.36187653E-17
E1 TO E5	.99952940	.17714035E-01	.47009061E-03	.14697317E-04	.50684025E-06

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	5.0	9.9	14.9	19.8	24.8	29.7	34.7	39.6	44.6	49.5	54.5	59.4	64.4	69.3	74.3	79.2	84.2	89.1
DEPTH(FT)=	107.7	107.7	107.7	107.6	107.5	107.3	107.2	107.0	106.9	106.7	106.5	106.3	106.2	106.1	105.9	105.8	105.8	105.7	105.7

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-100.0	201.95	-.8	-1.4	- 1.6	126.	-71.	145.	.8
2	-90.0	181.75	-.0	.4	+ .4	-33.	-1.	33.	1.0
3	-80.0	161.56	1.1	2.7	+ 3.0	-235.	91.	252.	.9
4	-70.0	141.36	2.1	4.4	+ 4.9	-383.	182.	424.	.5
5	-60.0	121.17	2.8	5.9	+ 6.5	-511.	243.	566.	.3
6	-50.0	100.97	3.3	7.1	+ 7.9	-615.	294.	681.	.2
7	-40.0	80.78	3.6	7.3	+ 8.2	-634.	319.	710.	-.1
8	-30.0	60.58	3.6	6.8	+ 7.7	-585.	315.	664.	-.2
9	-20.0	40.39	3.0	5.6	+ 6.4	-489.	272.	559.	-.8
10	-10.0	20.19	2.0	3.8	+ 4.3	-325.	180.	371.	-1.0
11	0.0	-0.00	1.1	1.9	+ 2.2	-167.	100.	194.	-1.1
12	10.0	-20.19	.1	-.1	.1	8.	6.	10.	-1.0
13	20.0	-40.39	-1.0	-1.8	- 2.0	155.	-84.	176.	-.7
14	30.0	-60.58	-1.6	-3.3	- 3.7	297.	-139.	329.	-.3
15	40.0	-80.78	-2.1	-4.1	- 4.6	364.	-185.	409.	-.2
16	50.0	-100.97	-2.0	-4.0	- 4.5	355.	-185.	400.	.1
17	60.0	-121.17	-1.8	-3.4	- 3.9	302.	-161.	342.	.4
18	70.0	-141.36	-1.2	-2.5	- 2.8	221.	-113.	248.	.7
19	80.0	-161.56	-.8	-1.1	- 1.3	99.	-67.	120.	.9
20	90.0	-181.75	.1	.8	+ .8	-61.	12.	62.	1.0
21	100.0	-201.95	1.3	3.0	+ 3.2	-257.	109.	280.	.9

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

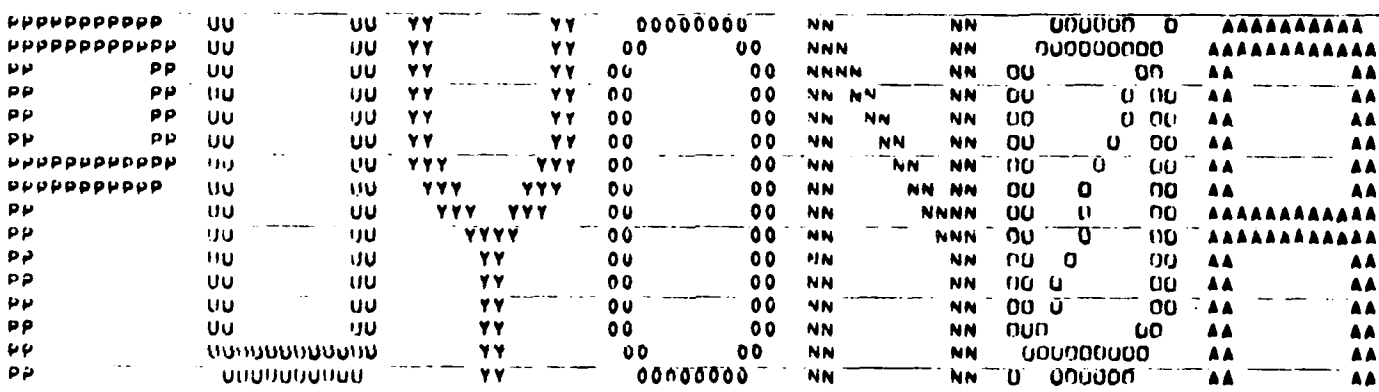
X SHEAR FORCE =	3.6218 KIPS
Y SHEAR FORCE =	7.3478 KIPS
RESULTANT SHEAR FORCE =	8.1920 KIPS
X MUDLINE MOMENT =	-634.2373 FT-KIPS
Y MUDLINE MOMENT =	318.6137 FT-KIPS
RESULTANT MUDLINE MOMENT =	709.7687 FT-KIPS
Z VERTICAL FORCE =	-.0661 KIPS

6

6000 REMOTE BATCH

UNITED COMPUTING 67, APEX/SL B,6,0

11.10.13. 07/20/76.



7 FT Wave Height

7.6 SEC Wave Period

1.3 FPS Surface Current

(0.8 knot)

```
**********************************************
*                                            *
*                SEALOAD-2                   *
*                                            *
*     DEVELOPED BY SYNERCOM TECHNOLOGY, INC. *
*              HOUSTON, TEXAS                *
*           RELEASE 2  MOD 12                *
*              JULY 1976                     *
*                                            *
**********************************************
```



```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  CUEF    12.    0.74          1.34
    2            24.    0.74          1.34
    3            36.    0.74          1.34
    4            48.    0.74          1.34
    5            72.    0.74          1.34
    6  END     144.0   0.74          1.34
    7  VCUR                1.0         0.1
    8                     10.7         0.2
    9                     21.3         0.3
   10                     32.0         0.4
   11                     42.7         0.4
   12                     53.4         0.5
   13                     64.1         0.5
   14                     74.8         0.6
   15                     85.5         0.7
   16                     96.2         0.7
   17  END               106.9         0.8
   18                          07 FT WAVE HEIGHT
   19                            C. CHERN
   20                                JULY, 1976
   21                                27-771-01
   22  STRAN   1 600140140100 11                    DF 1   00 1   70 10690 76 3 11
   23  END
```

**** C U E F F I C I E N T T A B L E R E P O R T ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	=0.0000	1.3400
24.000	.7400	=0.0000	1.3400
36.000	.7400	=0.0000	1.3400
48.000	.7400	=0.0000	1.3400
72.000	.7400	=0.0000	1.3400
144.000	.7400	=0.0000	1.3400

07 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	7.000	FT
MEAN WATER DEPTH =	106.900	FT
WAVE PERIOD =	7.600	SEC
WAVE LENGTH =	241.622	FT
WAVE CELERITY =	31.370	FT/SEC
D/L =	.346571	
LAMBDA =	.07523	

BETA =	.02155
C02 =	31.533787
A11 =	.20148674
A13 =	-.13774501
A15 =	-.18051209
A22 =	.82296328E-03
A24 =	.10693252E-01
A33 =	-.19039055E-04
A35 =	.27418995E-03
A44 =	.40116580E-06
A55 =	-.27377549E-08
B22 =	.54127323
B24 =	.78545573
B33 =	.42275049
B35 =	1.3695169
B44 =	.39239182
B55 =	.40025562
C1 =	1.0426271
C2 =	1.4737885
C3 =	-.99880490E-02
C4 =	.32152711E-02

D1 TO D5	.58046562	.29730221E-03	-.85691995E-06	.19718087E-08	-.12652850E-11
E1 TO E5	3.4914473	.14333077	.85079421E-02	.58320648E-03	.44751281E-04

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	8.1	16.2	24.3	32.4	40.5	48.6	56.7	64.8	72.9	81.0	89.1	97.2	105.3	113.4	121.5	129.6	137.7	145.8
DEPTH(FT)=	110.5	110.5	110.3	110.0	109.6	109.1	108.6	108.0	107.4	106.8	106.2	105.6	105.1	104.6	104.3	103.9	103.7	103.6	103.5

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-140.0	172.83	1.3	2.2	+ 2.5	-162.	90.	185.	6.8
2	-130.0	160.48	4.1	7.1	+ 8.2	-513.	282.	585.	6.4
3	-120.0	148.14	5.9	12.0	+13.3	-859.	413.	953.	5.9
4	-110.0	135.79	8.0	16.2	+18.1	-1163.	582.	1301.	5.2
5	-100.0	123.45	10.5	19.7	+ 22.3	-1416.	757.	1605.	4.6
6	-90.0	111.10	12.3	22.9	+26.0	-1653.	893.	1879.	3.7
7	-80.0	98.76	13.8	25.4	+28.9	-1852.	1011.	2110.	2.8
8	-70.0	86.41	14.6	27.3	+ 31.0	-2027.	1081.	2297.	1.4
9	-60.0	74.07	15.2	28.3	+ 32.1	-2125.	1143.	2411.	.8
10	-50.0	61.72	15.3	27.9	+ 31.8	-2138.	1160.	2432.	-.7
11	-40.0	49.38	14.7	26.7	+ 30.5	-2078.	1138.	2369.	-1.8
12	-30.0	37.03	13.5	24.3	+ 27.8	-1925.	1068.	2200.	-3.1
13	-20.0	24.69	11.8	20.8	+ 24.0	-1671.	948.	1922.	-4.8
14	-10.0	12.34	9.3	16.4	+ 18.8	-1345.	774.	1552.	-6.1
15	0.0	-0.00	6.4	10.8	+12.5	-924.	547.	1074.	-7.4
16	10.0	-12.34	3.3	4.6	+ 5.7	-447.	300.	538.	-8.4
17	20.0	-24.69	-.3	-1.0	- 1.0	-8.	31.	32.	-8.5
18	30.0	-37.03	-3.7	-6.5	- 7.4	419.	-222.	474.	-7.9
19	40.0	-49.38	-6.3	-11.9	- 13.5	834.	-441.	943.	-6.7
20	50.0	-61.72	-8.4	-16.1	- 18.1	1161.	-606.	1310.	-5.4
21	60.0	-74.07	-10.0	-19.3	- 21.7	1378.	-724.	1557.	-3.7
22	70.0	-86.41	-11.3	-20.7	- 23.6	1501.	-812.	1707.	-2.1
23	80.0	-98.76	-11.7	-20.8	- 23.8	1507.	-840.	1725.	-.9
24	90.0	-111.10	-11.5	-19.8	- 22.8	1440.	-817.	1655.	.4
25	100.0	-123.45	-10.1	-18.0	- 20.7	1302.	-730.	1493.	1.6
26	110.0	-135.79	-8.4	-14.8	- 17.1	1068.	-611.	1230.	2.8
27	120.0	-148.14	-6.3	-11.3	-13.0	806.	-453.	925.	4.3
28	130.0	-160.48	-3.8	-7.2	- 8.1	508.	-275.	576.	5.4
29	140.0	-172.83	-2.0	-2.8	- 3.5	205.	-143.	250.	6.5

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	15.2564 KIPS
Y SHEAR FORCE =	27.9453 KIPS
RESULTANT SHEAR FORCE =	31.8386 KIPS
X MUDLINE MOMENT =	-2137.9969 FT-KIPS
Y MUDLINE MOMENT =	1160.1065 FT-KIPS
RESULTANT MUDLINE MOMENT =	2432.4633 FT-KIPS
Z VERTICAL FORCE =	-.6558 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67. APEX/SL 8.6.0

10.45.31. 07/20/76.

```
PPPPPPPPPP    UU        UU  YY        YY    00000000    NN        NN  EEEEEEEEEEEE  WW        WW
PPPPPPPPPPPP  UU        UU  YY        YY  00        00  NNN       NN  EEEEEEEEEEEE  WW        WW
PP        PP  UU        UU  YY        YY  00        00  NNNN      NN  EE            WW        WW
PP        PP  UU        UU  YY        YY  00        00  NN NN     NN  EE            WW        WW
PP        PP  UU        UU  YY        YY  00        00  NN  NN    NN  EE            WW        WW
PP        PP  UU        UU  YY        YY  00        00  NN   NN   NN  EE            WW        WW
PPPPPPPPPPPP  UU        UU  YYY      YYY  00        00  NN    NN  NN  EE            WW  WW    WW
PPPPPPPPPPP   UU        UU   YYY    YYY   00        00  NN     NN NN  EEEEEEEE      WW  WW    WW
PP            UU        UU    YYY  YYY    00        00  NN      NNNN  EEEEEEEE      WW  WWWW  WW
PP            UU        UU     YYYY      00        00  NN       NNN  EE            WW  W  W  WW
PP            UU        UU      YY       00        00  NN        NN  EE            WW WW  WW WW
PP            UU        UU      YY       00        00  NN        NN  EE            WW W    W WW
PP            UU        UU      YY       00        00  NN        NN  EE            WWWW    WWWW
PP            UU        UU      YY       00        00  NN        NN  EE            WWW      WWW
PP            UUUUUUUUUUUU      YY        00      00   NN        NN  EEEEEEEEEEEE  WWW      WWW
PP             UUUUUUUUUU       YY         00000000    NN        NN  EEEEEEEEEEEE  WW        WW
```

12 FT Wave Height

8.3 SEC Wave Period

1.4 FPS Surface Current

(0.8 knot)

SEALOAD-2

DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
HOUSTON, TEXAS
RELEASE 2 MOD 12
JULY 1976


```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  COEF   12.    0.74        1.34
    2         24.    0.74        1.34
    3         36.    0.74        1.34
    4         48.    0.74        1.34
    5         72.    0.74        1.34
    6  END   144.0   0.74        1.34
    7  VCUR             1.0       0.1
    8                  10.7       0.2
    9                  21.4       0.4
   10                  32.2       0.4
   11                  42.9       0.5
   12                  53.6       0.5
   13                  64.3       0.6
   14                  75.0       0.7
   15                  85.8       0.7
   16                  96.5       0.8
   17  END            107.2       0.8
   18                          12 FT WAVE HEIGHT
   19                            C. CHERN
   20                                JULY, 1976
   21                                27-771-01
   22  STRAN   1 600180180100011                    DF 1   00 1  120  10720  83  3 11
   25  END
```

**** C O E F F I C I E N T T A B L E R E P O R T ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	-0.0000	1.3400
24.000	.7400	-0.0000	1.3400
36.000	.7400	-0.0000	1.3400
48.000	.7400	-0.0000	1.3400
72.000	.7400	-0.0000	1.3400
144.000	.7400	-0.0000	1.3400

12 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

[illegible]	[illegible]
C 2	[illegible]
A11	[illegible]
A13	-.21355279
A15	-.29567579
A22	.25517899E-02
A24	.23315511E-01
A33	-.99479194E-04
A35	.11455314E-02
A44	.18433703E-05
A55	.68506017E-07
B22	.58456367
B24	.88542132
B33	.47589481
B35	1.0088257
B44	.44872434
B55	.49055770
C1	1.0901484
C2	1.7361286
C3	-.19821416E-01
C4	.76610420E-02

D1 TO D5	1.2850779	.27870122E-02	-.13837773E-04	.43219583E-07	.21902454E-09
E1 TO E5	5.9644629	.38706934	.35122707E-01	.35675547E-02	.41438650E-03

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	9.5	19.1	28.6	38.2	47.7	57.3	66.8	76.3	85.9	95.4	105.0	114.5	124.1	133.6	143.1	152.7	162.2	171.8
DEPTH(FT)=	113.6	113.5	113.1	112.6	111.8	110.9	110.0	108.9	107.9	106.8	105.8	104.9	104.1	103.3	102.7	102.2	101.9	101.7	101.6

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-180.0	188.63	-5.3	-8.2	- 9.8	565.	-362.	671.	9.6
2	-170.0	178.15	-1.9	-1.8	- 2.6	158.	-142.	212.	10.9
3	-160.0	167.67	2.0	4.7	+ 5.1	-265.	110.	286.	10.8
4	-150.0	157.19	5.9	12.0	+ 13.4	-724.	371.	814.	10.9
5	-140.0	146.71	9.1	19.3	+ 21.4	-1191.	588.	1328.	10.9
6	-130.0	136.23	12.6	25.9	+ 28.8	-1638.	830.	1837.	10.6
7	-120.0	125.75	16.4	31.8	+ 35.8	-2062.	1083.	2329.	10.4
8	-110.0	115.27	20.0	37.2	+ 42.2	-2447.	1316.	2778.	9.9
9	-100.0	104.79	23.2	42.7	+ 48.6	-2833.	1527.	3219.	9.1
10	-90.0	94.31	25.4	46.8	+ 53.3	-3139.	1702.	3571.	7.6
11	-80.0	83.84	27.1	50.6	+ 57.4	-3434.	1843.	3897.	5.7
12	-70.0	73.36	26.5	52.8	+ 60.0	-3667.	1979.	4167.	4.0
13	-60.0	62.88	29.7	54.3	+ 61.8	-3872.	2108.	4409.	1.8
14	-50.0	52.40	29.9	54.7	+ 62.4	-3996.	2162.	4544.	-.6
15	-40.0	41.92	29.7	53.2	+ 60.9	-3976.	2186.	4537.	-2.7
16	-30.0	31.44	28.3	49.8	+ 57.3	-3819.	2125.	4370.	-5.3
17	-20.0	20.96	25.7	44.5	+ 51.4	-3516.	1969.	4030.	-8.4
18	-10.0	10.48	21.9	37.3	+ 43.2	-3044.	1721.	3497.	-11.0
19	0.0	-0.00	17.1	29.2	+ 33.9	-2457.	1399.	2827.	-13.2
20	10.0	-10.48	11.7	19.1	+ 22.4	-1717.	1020.	1997.	-15.2
21	20.0	-20.96	5.7	9.0	+ 10.7	-947.	571.	1106.	-16.7
22	30.0	-31.44	-.2	-1.7	- 1.7	-142.	116.	183.	-16.5
23	40.0	-41.92	-5.6	-12.4	- 13.6	654.	-303.	721.	-15.3
24	50.0	-52.40	-10.6	-21.7	- 24.2	1338.	-686.	1504.	-14.0
25	60.0	-62.88	-14.8	-29.0	- 32.6	1874.	-980.	2115.	-12.4
26	70.0	-73.36	-18.2	-34.2	- 38.7	2247.	-1212.	2554.	-10.4
27	80.0	-83.84	-20.7	-37.5	- 42.8	2453.	-1365.	2807.	-8.0
28	90.0	-94.31	-21.7	-39.0	- 44.7	2553.	-1419.	2921.	-5.3
29	100.0	-104.79	-21.5	-39.0	- 44.5	2517.	-1394.	2877.	-2.4
30	110.0	-115.27	-20.6	-37.2	- 42.5	2390.	-1321.	2731.	-.3
31	120.0	-125.75	-19.2	-33.5	- 38.6	2157.	-1225.	2481.	2.2
32	130.0	-136.23	-17.0	-29.5	- 33.9	1861.	-1089.	2150.	4.7

33	140	-146.71	-13.6	-22.5	-26.3	1500.	-874.	1736.	6.3

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 1 WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CHEST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	150.0	-157.19	-10.3	-16.7	-19.6	1122.	-666.	1305.	7.9
35	160.0	-167.67	-6.4	-10.7	-12.5	727.	-429.	844.	9.2
36	170.0	-176.15	-3.0	-4.3	-5.3	303.	-215.	372.	10.5
37	180.0	-186.63	.7	2.2	+2.3	-110.	24.	113.	11.1

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	29.9176 KIPS
Y SHEAR FORCE =	54.7110 KIPS
RESULTANT SHEAR FORCE =	62.3567 KIPS
X MUDLINE MOMENT =	-3996.0753 FT-KIPS
Y MUDLINE MOMENT =	2162.3815 FT-KIPS
RESULTANT MUDLINE MOMENT =	4543.6232 FT-KIPS
Z VERTICAL FORCE =	-.5979 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67, APEX/SL B.6.0

10.18.46. 07/20/76.

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PPPPPPPPPP    UU      UU  YY      YY    00000000    MM        MM  UU      UU  DDDDDDDDD
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PP        PP  UU      UU  YY      YY  00        00  MMMM    MMMM  UU      UU  DD       DD
PP        PP  UU      UU  YY      YY  00        00  MM MM  MM MM  UU      UU  DD       DD
PP        PP  UU      UU  YY      YY  00        00  MM  MMMM  MM  UU      UU  DD       DD
PP        PP  UU      UU  YY      YY  00        00  MM   MM   MM  UU      UU  DD       DD
PPPPPPPPPPPP  UU      UU  YYY    YYY  00        00  MM        MM  UU      UU  DD       DD
PPPPPPPPPP    UU      UU   YYY  YYY   00        00  MM        MM  UU      UU  DD       DD
PP            UU      UU    YYYYYY    00        00  MM        MM  UU      UU  DD       DD
PP            UU      UU     YYYY     00        00  MM        MM  UU      UU  DD       DD
PP            UU      UU      YY      00        00  MM        MM  UU      UU  DD       DD
PP            UU      UU      YY      00        00  MM        MM  UU      UU  DD       DD
PP            UU      UU      YY      00        00  MM        MM  UU      UU  DD       DD
PP            UU      UU      YY      00        00  MM        MM  UU      UU  DD       DD
PP            UUUUUUUUUUUU    YY       00      00   MM        MM  UUUUUUUUUUUU  DDDDDDDDD
PP             UUUUUUUUUU     YY        00000000    MM        MM   UUUUUUUUUU   DDDDDDDDD
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17 FT WAVE HEIGHT

8.8 SEC WAVE PERIOD

1.5 FPS SURFACE CURRENT

(0.9 knot)

SEALOAD-2

DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
HOUSTON, TEXAS
RELEASE 2 MOD 12
JULY 1974


```
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  COEF    12.    0.74        1.34
    2            24.    0.74        1.34
    3            36.    0.74        1.34
    4            48.    0.74        1.34
    5            72.    0.74        1.34
    6  END     144.0   0.74        1.34
    7  VCUR                1.0     0.1
    8                     10.8     0.3
    9                     21.5     0.4
   10                     32.3     0.4
   11                     43.1     0.5
   12                     53.9     0.6
   13                     64.6     0.7
   14                     75.4     0.7
   15                     86.2     0.8
   16                     96.9     0.8
   17  END               107.7     0.9
   18                          17 FT WAVE HEIGHT
   19                           C. CHERN
   20                                JULY, 1976
   21                                27-771-01
   22  STRAN   1 60021021010011                    DF  1    00  1  170  10770  88  3 11
   23  END
```

**** COEFFICIENT TABLE REPORT ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	=0.0000	1.3400
24.000	.7400	=0.0000	1.3400
36.000	.7400	=0.0000	1.3400
48.000	.7400	=0.0000	1.3400
72.000	.7400	=0.0000	1.3400
144.000	.7400	=0.0000	1.3400

17 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	17.000	FT
MEAN WATER DEPTH =	107.700	FT
WAVE PERIOD =	8.800	SEC
WAVE LENGTH =	382.529	FT
WAVE CELERITY =	43.468	FT/SEC
D/L =	.281547	
LAMBDA =	.13409	

BETA =	.01643
C02 =	30.352027
A11 =	.35121282
A13 =	-.28306398
A15 =	-.41120717
A22 =	.57057497E-02
A24 =	.36398757E-01
A33 =	-.24129401E-03
A35 =	.25242993E-02
A44 =	.1641423RE-05
A55 =	.5791746?E-06
B22 =	.62799385
B24 =	.94398600
B33 =	.5316782A
B35 =	1.4375951
B44 =	.53600378
B55 =	.59427852
C1 =	1.1404677
C2 =	2.0292163
C3 =	-.2909531RE-01
C4 =	.13649735E-01

D1 TO D5	2.0748947	.10609975E-01	-.64366337E-04	.10378622E-06	.63213708E-08
E1 TO E5	8.4073231	.74999774	.90859931E-01	.11867080E-01	.18169318E-02

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	10.6	21.3	31.9	42.5	53.1	63.8	74.4	85.0	95.6	106.3	116.9	127.5	138.1	148.8	159.4	170.0	180.6	191.3
DEPTH(FT)=	117.0	116.8	116.2	115.3	114.2	112.9	111.4	109.9	108.4	107.0	105.6	104.3	103.2	102.2	101.4	100.8	100.3	100.1	100.0

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE TO STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-210.0	197.63	-14.9	-24.5	- 28.7	1527.	-892.	1769.	11.0
2	-200.0	188.22	-10.6	-16.5	- 19.6	1065.	-642.	1244.	12.8
3	-190.0	178.81	-5.9	-8.4	- 10.3	586.	-379.	699.	14.4
4	-180.0	169.40	-1.1	.1	- 1.1	85.	-106.	136.	15.6
5	-170.0	159.99	4.0	9.2	+ 10.0	-465.	197.	505.	16.2
6	-160.0	150.58	8.9	18.3	+ 20.4	-1010.	499.	1126.	16.5
7	-150.0	141.17	13.6	27.1	+ 30.3	-1562.	804.	1757.	17.2
8	-140.0	131.75	18.8	35.6	+ 40.3	-2125.	1122.	2403.	17.0
9	-130.0	122.34	24.2	44.4	+ 50.6	-2699.	1450.	3064.	17.0
10	-120.0	112.93	28.4	52.3	+ 59.5	-3238.	1737.	3675.	16.3
11	-110.0	103.52	32.5	59.5	+ 67.8	-3751.	2021.	4261.	15.1
12	-100.0	94.11	36.0	65.5	+ 74.8	-4222.	2286.	4801.	13.7
13	-90.0	84.70	39.0	71.1	+ 81.1	-4693.	2542.	5337.	11.8
14	-80.0	75.29	41.8	76.6	+ 87.3	-5197.	2798.	5902.	10.1
15	-70.0	65.88	44.7	81.2	+ 92.7	-5662.	3043.	6437.	7.9
16	-60.0	56.47	46.5	84.2	+ 96.2	-6019.	3278.	6853.	5.0
17	-50.0	47.06	47.0	85.8	+ 97.9	-6283.	3415.	7151.	1.5
18	-40.0	37.64	47.3	85.5	+ 97.5	-6396.	3504.	7293.	-2.7
19	-30.0	28.23	46.0	82.6	+ 94.5	-6330.	3483.	7225.	-6.7
20	-20.0	18.82	43.6	76.9	+ 88.4	-6038.	3364.	6911.	-11.4
21	-10.0	9.41	39.4	68.5	+ 79.0	-5508.	3096.	6318.	-15.6
22	0.0	-0.00	33.3	57.3	+ 66.2	-4736.	2679.	5441.	-19.5
23	10.0	-9.41	26.0	43.6	+ 50.8	-3759.	2160.	4336.	-22.6
24	20.0	-18.82	17.6	28.4	+ 33.4	-2630.	1549.	3053.	-24.8
25	30.0	-28.23	8.4	12.3	+ 14.9	-1429.	869.	1672.	-26.5
26	40.0	-37.64	-.5	-3.6	- 3.6	-231.	190.	299.	-26.5
27	50.0	-47.06	-8.7	-18.2	- 20.2	876.	-417.	970.	-25.5
28	60.0	-56.47	-16.1	-31.7	- 35.6	1847.	-958.	2081.	-22.7
29	70.0	-65.88	-22.6	-42.0	- 47.7	2585.	-1400.	2940.	-20.0
30	80.0	-75.29	-27.3	-49.3	- 56.4	3077.	-1707.	3519.	-17.2
31	90.0	-84.70	-29.9	-54.1	- 61.8	3381.	-1885.	3871.	-14.1
32	100.0	-94.11	-30.8	-54.8	- 62.8	3519.	-1961.	4029.	-10.6

33	110.0	-103.52	-30.6	-56.4	-64.3		-1913.	3977.	-6.8

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	120.0	-112.93	-30.1	-54.1	-61.9	3328.	-1840.	3803.	-3.3
35	130.0	-122.34	-28.3	-50.5	-57.9	3087.	-1717.	3532.	.0
36	140.0	-131.75	-26.0	-45.8	-52.7	2784.	-1563.	3193.	2.8
37	150.0	-141.17	-23.2	-40.3	-46.5	2441.	-1385.	2806.	5.9
38	160.0	-150.58	-19.7	-33.9	-39.2	2063.	-1177.	2375.	8.1
39	170.0	-159.99	-15.9	-26.4	-30.9	1634.	-956.	1893.	10.5
40	180.0	-169.40	-11.8	-18.5	-21.9	1184.	-704.	1378.	12.4
41	190.0	-178.81	-7.2	-10.5	-12.8	725.	-456.	856.	14.0
42	200.0	-188.22	-2.3	-2.2	-3.2	223.	-173.	282.	15.4
43	210.0	-197.63	2.5	6.6	+7.1	-303.	109.	322.	16.1

**** L O A D S U M M A R Y R E P O R T ****

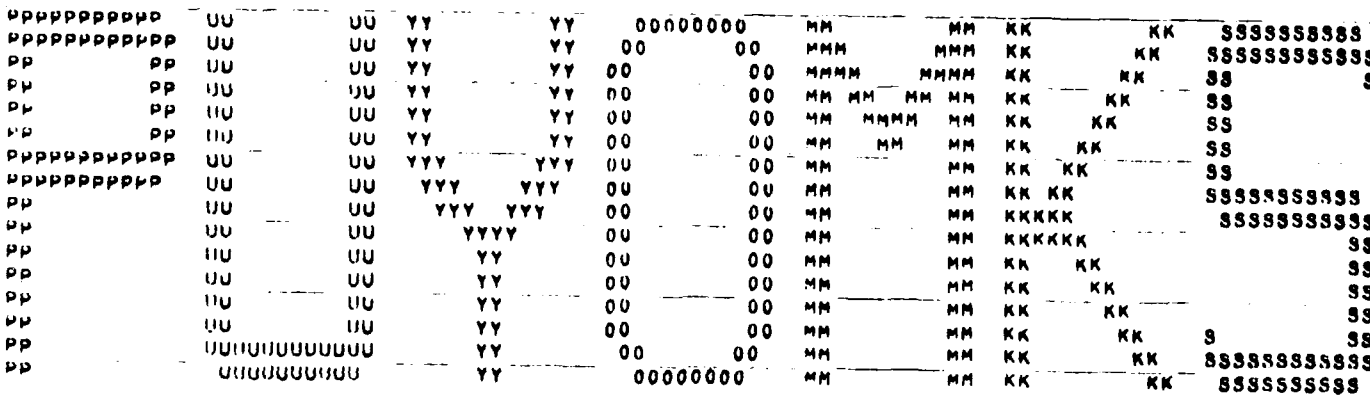
WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	47.2562 KIPS
Y SHEAR FORCE =	85.3207 KIPS
RESULTANT SHEAR FORCE =	97.5334 KIPS
X MUDLINE MOMENT =	-6396.0183 FT-KIPS
Y MUDLINE MOMENT =	3503.6516 FT-KIPS
RESULTANT MUDLINE MOMENT =	7292.7789 FT-KIPS
Z VERTICAL FORCE =	-2.6511 KIPS

6000 HEMUTE HATCH

UNITED COMPUTING 67. APEX/SL 8.6.0

09.53.16. 07/20/76.



22 FT WAVE HEIGHT

9.4 SEC WAVE PERIOD

1.7 FPS SURFACE CURRENT

(1.0 knot)

```
                    **********************************************
                    *                                            *
                    *                SEALOAD-2                   *
                    *                                            *
                    *     DEVELOPED BY SYNERCOM TECHNOLOGY, INC. *
                    *              HOUSTON, TEXAS                *
                    *           RELEASE 2  MOD 12                *
                    *              JULY 1976                     *
                    *                                            *
                    **********************************************
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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

```
   1  COEF   12.    0.74        1.34
   2         24.    0.74        1.34
   3         36.    0.74        1.34
   4         48.    0.74        1.34
   5         72.    0.74        1.34
   6  END   144.0   0.74        1.34
   7  VCUR             1.0       0.1
   8                  10.8       0.3
   9                  21.6       0.4
  10                  32.5       0.5
  11                  43.3       0.5
  12                  54.1       0.6
  13                  64.9       0.7
  14                  75.7       0.8
  15                  86.6       0.8
  16                  97.4       0.9
  17  END            108.2       1.0
  18                          22 FT WAVE HEIGHT
  19                            C. CHERN
  20                               JULY, 1976
  21                               27-771-01
  22  STMAN  1 60024024010011                    DF  1   00  1  220  10820  94  3 11
  23  END
```

**** C O E F F I C I E N T T A B L E R E P O R T ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	-0.0000	1.3400
24.000	.7400	-0.0000	1.3400
36.000	.7400	-0.0000	1.3400
48.000	.7400	-0.0000	1.3400
72.000	.7400	-0.0000	1.3400
144.000	.7400	-0.0000	1.3400

22 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	22.000	FT
MEAN WATER DEPTH =	108.200	FT
WAVE PERIOD =	9.400	SEC
WAVE LENGTH =	429.261	FT
WAVE CELERITY =	45.664	FT/SEC
D/L =	.252061	
LAMBDA =	.15825	

BETA =	.01464
C02 =	29.570176
A11 =	.42845181
A13 =	-.38675451
A15 =	-.59751944
A22 =	.12636861E-01
A24 =	.56526999E-01
A33 =	-.52956638E-03
A35 =	.75544205E-02
A44 =	-.14584060E-04
A55 =	.33840944E-05
B22 =	.69374319
B24 =	1.0546848
B33 =	.62203764
B35 =	2.2094359
B44 =	.66554740
B55 =	.77891153
C1 =	1.2214415
C2 =	2.5352340
C3 =	-.42143910E-01
C4 =	.24443811E-01

D1 TO D5	3.0234002	.32138905E-01	-.18742808E-03	-.16705619E-05	.76769267E-07
E1 TO E5	10.81132A	1.2322607	.18339079	.28429077E-01	.52809982E-02

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	11.9	23.8	35.8	47.7	59.6	71.5	83.5	95.4	107.3	119.2	131.2	143.1	155.0	166.9	178.9	190.8	202.7	214.6
DEPTH(FT)=	120.5	120.2	119.4	118.2	116.6	114.7	112.8	110.8	108.9	107.0	105.3	103.7	102.3	101.2	100.2	99.4	98.9	98.6	98.5

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-240.0	201.28	-23.8	-39.9	-46.5	2236.	-1327.	2600.	9.4
2	-230.0	192.89	-19.8	-32.5	-38.0	1835.	-1112.	2146.	11.7
3	-220.0	184.50	-15.6	-24.2	-28.8	1401.	-872.	1650.	13.4
4	-210.0	176.12	-10.6	-15.4	-18.7	935.	-611.	1117.	15.9
5	-200.0	167.73	-4.8	-5.9	-7.6	446.	-305.	541.	18.4
6	-190.0	159.34	1.0	3.9	+4.0	-93.	4.	93.	20.3
7	-180.0	150.96	6.9	14.8	+16.4	-707.	337.	783.	21.3
8	-170.0	142.57	12.5	25.6	+28.5	-1345.	674.	1504.	22.2
9	-160.0	134.18	18.9	36.1	+40.8	-1987.	1039.	2242.	22.7
10	-150.0	125.80	25.0	46.7	+52.9	-2643.	1402.	2992.	23.2
11	-140.0	117.41	31.0	57.3	+65.2	-3326.	1784.	3775.	23.1
12	-130.0	109.02	36.5	66.9	+76.1	-3976.	2125.	4508.	22.2
13	-120.0	100.64	41.3	75.4	+86.0	-4600.	2470.	5221.	21.6
14	-110.0	92.25	45.9	83.4	+95.2	-5217.	2819.	5930.	20.3
15	-100.0	83.87	50.3	91.5	+104.4	-5892.	3182.	6696.	19.2
16	-90.0	75.48	54.5	99.8	+113.7	-6637.	3552.	7528.	18.0
17	-80.0	67.09	59.1	107.4	+122.6	-7347.	3968.	8350.	16.0
18	-70.0	58.71	63.2	114.3	+130.6	-8032.	4358.	9138.	12.9
19	-60.0	50.32	66.6	120.2	+137.4	-8669.	4714.	9868.	9.0
20	-50.0	41.93	69.2	126.0	+143.7	-9371.	5026.	10634.	4.6
21	-40.0	33.55	71.8	129.7	+148.3	-9949.	5386.	11313.	.3
22	-30.0	25.16	72.6	129.1	+148.1	-10135.	5613.	11546.	-5.9
23	-20.0	16.77	69.7	123.7	+142.0	-9890.	5500.	11317.	-13.1
24	-10.0	8.39	65.0	114.5	+131.7	-9325.	5218.	10685.	-20.3
25	0.0	-0.00	58.2	101.0	+116.6	-8422.	4743.	9665.	-26.9
26	10.0	-8.39	49.2	84.6	+97.8	-7217.	4096.	8299.	-32.6
27	20.0	-16.77	38.5	64.9	+75.5	-5767.	3307.	6648.	-37.3
28	30.0	-25.16	26.8	43.4	+51.0	-4140.	2431.	4801.	-41.1
29	40.0	-33.55	14.2	20.5	+24.9	-2375.	1486.	2800.	-41.9
30	50.0	-41.93	1.0	-2.5	-2.7	-578.	476.	749.	-39.4
31	60.0	-50.32	-10.9	-22.7	-25.2	959.	-460.	1064.	-35.6
32	70.0	-58.71	-20.8	-39.3	-44.5	2181.	-1166.	2473.	-32.5

33	80.0	-67.09	-28.6	-52.8	-60.1			-1699.	3551.	-28.9

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	90.0	-75.48	-34.5	-62.2	-71.1	3742.	-2081.	4282.	-24.7
35	100.0	-83.87	-36.3	-68.4	-78.4	4126.	-2304.	4726.	-20.5
36	110.0	-92.25	-40.1	-71.5	-82.0	4289.	-2391.	4911.	-16.5
37	120.0	-100.64	-40.4	-72.0	-82.5	4285.	-2381.	4902.	-12.5
38	130.0	-109.02	-39.9	-70.4	-80.9	4152.	-2319.	4755.	-8.3
39	140.0	-117.41	-38.4	-67.4	-77.6	3939.	-2200.	4512.	-4.7
40	150.0	-125.80	-35.8	-63.2	-72.6	3660.	-2030.	4185.	-.8
41	160.0	-134.18	-33.0	-58.4	-67.1	3359.	-1861.	3840.	2.2
42	170.0	-142.57	-30.4	-53.2	-61.3	3046.	-1703.	3490.	5.2
43	180.0	-150.96	-27.4	-46.6	-54.0	2633.	-1523.	3042.	8.1
44	190.0	-159.34	-23.6	-39.4	-45.9	2204.	-1314.	2566.	9.5
45	200.0	-167.73	-19.5	-32.0	-37.5	1809.	-1093.	2113.	11.8
46	210.0	-176.12	-15.1	-23.3	-27.8	1356.	-850.	1600.	13.6
47	220.0	-184.50	-10.2	-14.7	-17.9	895.	-592.	1073.	15.7
48	230.0	-192.89	-4.4	-5.0	-6.7	393.	-279.	482.	18.1
49	240.0	-201.28	1.2	4.5	+4.7	-133.	25.	136.	20.3

**** L O A D S U M M A R Y R E P O R T ****

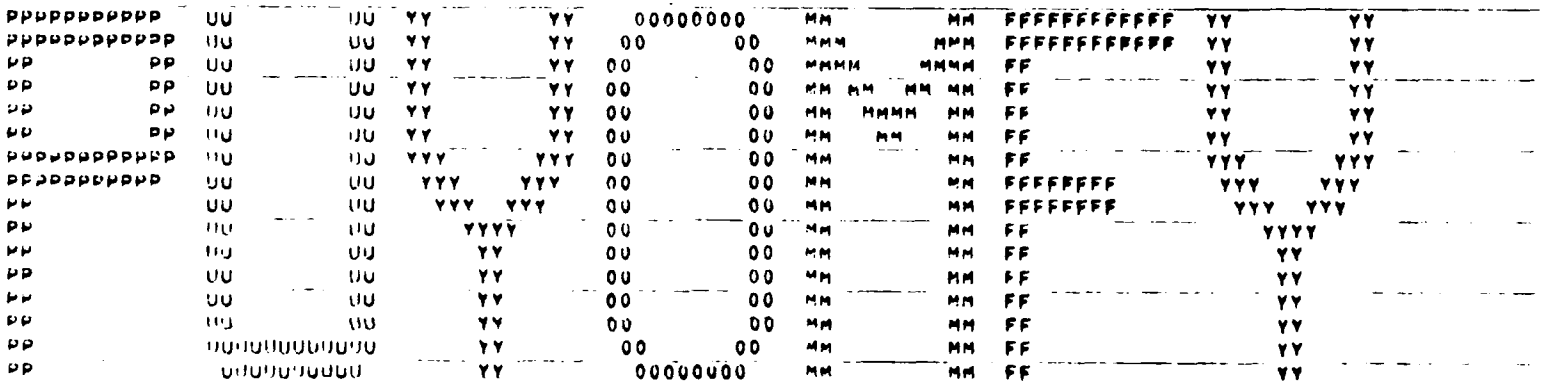
WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	72.5674 KIPS
Y SHEAR FORCE =	129.0833 KIPS
RESULTANT SHEAR FORCE =	148.0829 KIPS
X MUDLINE MOMENT =	-10134.8196 FT-KIPS
Y MUDLINE MOMENT =	5613.3446 FT-KIPS
RESULTANT MUDLINE MOMENT =	11585.5170 FT-KIPS
Z VERTICAL FORCE =	-5.8546 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67, APEX/SL B.6.0

09.39.26. 07/20/76.



27 FT WAVE HEIGHT

9.8 SEC WAVE PERIOD

2.0 FPS SURFACE CURRENT

(1.2 knot)

SEALOAD-2

DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
HOUSTON, TEXAS
RELEASE 2 MOD 12
JULY 1976

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
      1  COEF    12.    0.74          1.34
      2          24.    0.74          1.34
      3          36.    0.74          1.34
      4          48.    0.74          1.34
      5          72.    0.74          1.34
      6  END    144.0   0.74          1.34
      7  VCUR                1.0       0.2
      8                     10.9       0.4
      9                     21.7       0.5
     10                     32.6       0.6
     11                     43.5       0.7
     12                     54.4       0.8
     13                     65.2       0.8
     14                     76.1       0.9
     15                     87.0       1.0
     16                     97.8       1.1
     17  END               108.7       1.2
     18                          27 FT WAVE HEIGHT
     19                           C. CHERN
     20                                JULY, 1976
     21                                27-771-01
     22  STMAN   1 60026026010011                    DF  1    00  1  270  10870  98  3 11
     23  END
```

**** COEFFICIENT TABLE REPORT ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	-0.0000	1.3400
24.000	.7400	-0.0000	1.3400
36.000	.7400	-0.0000	1.3400
48.000	.7400	-0.0000	1.3400
72.000	.7400	-0.0000	1.3400
144.000	.7400	-0.0000	1.3400

27 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	27.000	FT
MEAN WATER DEPTH =	108.700	FT
WAVE PERIOD =	9.800	SEC
WAVE LENGTH =	462.633	FT
WAVE CELERITY =	47.205	FT/SEC
D/L =	.234960	
LAMBDA =	.17870	

BETA =	.0135A
CO2 =	28.977818
A11 =	.46213496
A13 =	-.47497554
A15 =	-.76665023
A22 =	.20283094E-01
A24 =	.72716169E-01
A33 =	-.77644344E-03
A35 =	.13404760E-01
A44 =	-.59855164E-04
A55 =	.83715605E-05
B22 =	.74662561
B24 =	1.1492513
B33 =	.70259918
B35 =	2.5377483
B44 =	.75506577
B55 =	.96044042
C1 =	1.2932434
C2 =	3.0198763
C3 =	-.52347009E-01
C4 =	.35072100E-01

D1 TO D5	3.9325693	.68092655E-01	-.28170155E-03	-.11371740E-04	.36008582E-06
E1 TO E5	13.157834	1.8465552	.32927358	.58798520E-01	.12892A03E-01

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	12.9	25.7	38.6	51.4	64.3	77.1	90.0	102.8	115.7	128.5	141.4	154.2	167.1	179.9	192.8	205.6	218.5	231.3
DEPTH(FT)=	124.1	123.7	122.7	121.0	118.9	116.5	114.0	111.5	109.1	106.9	104.9	103.1	101.5	100.2	99.1	98.2	97.6	97.2	97.1

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-260.0	202.32	-31.3	-52.4	- 61.1	2797.	-1660.	3253.	9.2
2	-250.0	194.54	-27.2	-45.2	- 52.8	2427.	-1446.	2825.	11.7
3	-240.0	186.76	-22.9	-37.3	- 43.8	2017.	-1218.	2356.	14.0
4	-230.0	178.98	-17.9	-28.4	- 33.5	1572.	-964.	1844.	16.2
5	-220.0	171.19	-12.6	-18.4	- 22.3	1063.	-693.	1269.	18.2
6	-210.0	163.41	-6.3	-7.3	- 9.6	505.	-373.	628.	19.9
7	-200.0	155.63	-.0	4.0	+ 4.0	-80.	-43.	91.	22.5
8	-190.0	147.85	7.0	15.9	+ 17.3	-697.	320.	767.	25.0
9	-180.0	140.07	14.2	28.2	+ 31.6	-1400.	708.	1569.	26.9
10	-170.0	132.29	21.3	40.4	+ 45.6	-2119.	1119.	2396.	28.1
11	-160.0	124.50	28.4	53.4	+ 60.5	-2894.	1521.	3269.	28.9
12	-150.0	116.72	35.3	65.7	+ 74.6	-3674.	1955.	4162.	29.6
13	-140.0	108.94	41.9	77.2	+ 87.9	-4450.	2375.	5044.	29.8
14	-130.0	101.16	47.9	87.9	+100.1	-5217.	2785.	5914.	29.7
15	-120.0	93.38	53.8	98.4	+112.1	-6007.	3224.	6817.	28.7
16	-110.0	85.60	59.9	109.3	+124.7	-6895.	3713.	7831.	28.3
17	-100.0	77.82	66.2	121.4	+138.3	-7932.	4232.	8990.	28.0
18	-90.0	70.03	73.0	133.4	+152.0	-8979.	4822.	10192.	26.3
19	-80.0	62.25	79.9	145.7	+166.1	-10094.	5441.	11468.	23.5
20	-70.0	54.47	86.2	158.4	+180.4	-11332.	6025.	12834.	20.7
21	-60.0	46.69	93.6	171.7	+195.6	-12697.	6773.	14390.	18.5
22	-50.0	38.91	100.1	181.3	+207.1	-13750.	7475.	15651.	13.6
23	-40.0	31.13	104.0	186.7	+213.7	-14437.	7931.	16472.	5.2
24	-30.0	23.34	104.9	187.4	+214.8	-14745.	8137.	16840.	-4.0
25	-20.0	15.56	103.1	183.1	+210.2	-14638.	8113.	16736.	-13.9
26	-10.0	7.78	98.2	173.3	+199.2	-14058.	7832.	16092.	-23.3
27	0.0	-0.00	90.3	158.2	+182.2	-13012.	7301.	14920.	-32.1
28	10.0	-7.78	79.4	137.8	+159.1	-11525.	6510.	13236.	-39.8
29	20.0	-15.56	66.3	113.4	+131.4	-9681.	5519.	11143.	-46.7
30	30.0	-23.34	51.2	85.8	+ 99.9	-7596.	4363.	8760.	-52.5
31	40.0	-31.13	35.0	57.1	+ 66.9	-5382.	3140.	6231.	-56.7

32	50.0	-50.41	10.0	27.3	33.2	-3130.	1498.	5661.	-58.4
33	60	-46.09	2.5	-1.0	2.7		708.	1168.	-56.8

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	70.0	-54.47	-12.5	-27.3	-30.1	1091.	-462.	1185.	-48.9
35	80.0	-62.25	-25.3	-48.0	-54.2	2599.	-1402.	2953.	-42.5
36	90.0	-70.03	-34.6	-63.9	-72.7	3711.	-2037.	4233.	-37.2
37	100.0	-77.82	-41.5	-74.9	-85.6	4420.	-2458.	5057.	-32.0
38	110.0	-85.60	-45.8	-81.7	-93.7	4819.	-2696.	5522.	-26.9
39	120.0	-93.38	-47.5	-84.8	-97.2	4969.	-2764.	5696.	-21.8
40	130.0	-101.16	-48.0	-85.0	-97.6	4928.	-2752.	5644.	-16.8
41	140.0	-108.94	-47.2	-83.2	-95.6	4769.	-2659.	5460.	-12.1
42	150.0	-116.72	-45.4	-80.1	-92.1	4538.	-2520.	5191.	-7.7
43	160.0	-124.50	-43.3	-76.3	-87.7	4269.	-2373.	4885.	-3.8
44	170.0	-132.29	-40.8	-71.1	-81.9	3897.	-2205.	4477.	-.3
45	180.0	-140.07	-37.9	-65.3	-75.5	3506.	-2025.	4050.	2.8
46	190.0	-147.85	-35.2	-60.1	-69.6	3212.	-1873.	3718.	5.7
47	200.0	-155.63	-32.1	-54.2	-63.0	2890.	-1706.	3356.	8.5
48	210.0	-163.41	-28.3	-47.3	-55.1	2529.	-1505.	2943.	11.2
49	220.0	-171.19	-24.1	-39.4	-46.2	2127.	-1288.	2485.	13.2
50	230.0	-178.98	-19.3	-30.8	-36.3	1686.	-1033.	1978.	15.6
51	240.0	-186.76	-14.0	-20.9	-25.2	1190.	-767.	1416.	17.7
52	250.0	-194.54	-7.8	-10.0	-12.7	653.	-454.	796.	19.3
53	260.0	-202.32	-1.8	.9	-2.0	74.	-136.	155.	21.0

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	104.9350 KIPS
Y SHEAR FORCE =	187.3805 KIPS
RESULTANT SHEAR FORCE =	214.7657 KIPS
X MUDLINE MOMENT =	-14743.3502 FT-KIPS
Y MUDLINE MOMENT =	8136.9282 FT-KIPS
RESULTANT MUDLINE MOMENT =	16839.7143 FT-KIPS
Z VERTICAL FORCE =	-4.0207 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67. APEX/BL B.6.0

09.10.02. 07/20/76.

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PPPPPPPPPPP   UU      UU  YY      YY    00000000    LL          IIIIIIIIIIII   GGGGGGGGGG
PPPPPPPPPPPP  UU      UU  YY      YY   00      00   LL          IIIIIIIIIIII  GGGGGGGGGGGG
PP        PP  UU      UU  YY      YY  00        00  LL              II       GG          G
PP        PP  UU      UU  YY      YY  00        00  LL              II       GG
PP        PP  UU      UU  YY      YY  00        00  LL              II       GG
PP        PP  UU      UU  YY      YY  00        00  LL              II       GG
PPPPPPPPPPPP  UU      UU   YYY    YYY  00        00  LL              II       GG
PPPPPPPPPPP   UU      UU    YYY  YYY   00        00  LL              II       GG
PP            UU      UU     YYYY     00        00  LL              II       GG       GGGG
PP            UU      UU      YY      00        00  LL              II       GG       GGGG
PP            UU      UU      YY      00        00  LL              II       GG         GG
PP            UU      UU      YY      00        00  LL              II       GG         GG
PP            UU      UU      YY      00        00  LL              II       GG         GG
PP            UU      UU      YY      00        00  LL        LL    II       GG         GG
PP            UUUUUUUUUUUU    YY       00      00   LLLLLLLLLLLL  IIIIIIIIIIII  GGGGGGGGGGGG
PP             UUUUUUUUUU     YY        00000000    LLLLLLLLLLLL  IIIIIIIIIIII   GGGGGGGGGG
```

32 FT WAVE HEIGHT

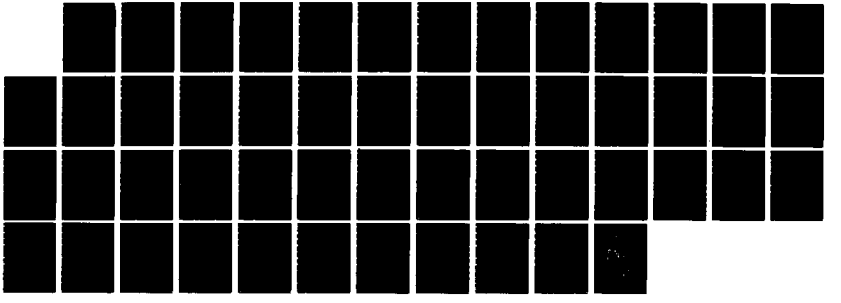
10.4 SEC WAVE PERIOD

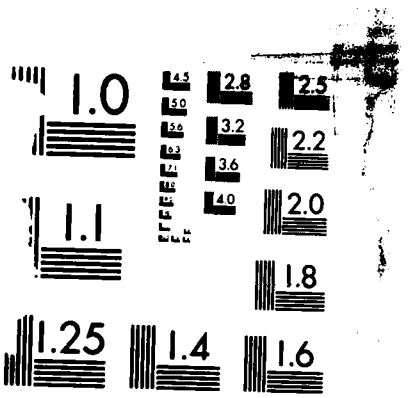
2.3 FPS SURFACE CURRENT

(1.4 knot)

AD-A165 651 FATIGUE ANALYSIS EAST COAST AIR COMBAT MANEUVERING RANGE OFFSHORE KITTY H (U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-100 CHES/NAVFAC-FPO-7616 6/6

UNCLASSIFIED N62477-76-C-0179 F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

SEALOAD-2

DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
HOUSTON, TEXAS
RELEASE 2 MOD 12
JULY 1976

```
LINE NO. 1...5....10....15....20....25....30....35....40....45....50....55....60....65....70....75....80
    1  COEF    12.    0.74        1.34
    2           24.    0.74        1.34
    3           36.    0.74        1.34
    4           48.    0.74        1.34
    5           72.    0.74        1.34
    6  END     144.0   0.74        1.34
    7  VCUR                1.0     0.2
    8                     10.9     0.4
    9                     21.9     0.5
   10                     32.8     0.7
   11                     43.7     0.8
   12                     54.7     0.9
   13                     65.6     0.9
   14                     76.5     1.0
   15                     87.4     1.1
   16                     98.4     1.2
   17  END               109.3     1.4
   18                          32 FT WAVE HEIGHT
   19                            C, CHERN
   20                                JULY, 1976
   21                                27-771-01
   22  STRAN   1 60028028010011                    DF  1    00  1  320  10930 104  3 11
   23  END
```

**** COEFFICIENT TABLE REPORT ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	-0.0000	1.3400
24.000	.7400	-0.0000	1.3400
36.000	.7400	-0.0000	1.3400
48.000	.7400	-0.0000	1.3400
72.000	.7400	-0.0000	1.3400
144.000	.7400	-0.0000	1.3400

32 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	32.000	FT
MEAN WATER DEPTH =	109.300	FT
WAVE PERIOD =	10.400	SEC
WAVE LENGTH =	510.704	FT
WAVE CELERITY =	49.104	FT/SEC
D/L =	.214018	
LAMBDA =	.18993	

BETA =	.01230
C02 =	28.077993
A11 =	.55920806
A13 =	-.63096768
A15 =	-1.0825884
A22 =	.36671184E-01
A24 =	.96396845E-01
A33 =	-.10130175E-02
A35 =	.29189814E-01
A44 =	-.24484599E-03
A55 =	.19884232E-04
B22 =	.84158433
B24 =	1.2887972
B33 =	.84971745
B35 =	3.1229657
B44 =	1.0141689
B55 =	1.3334869
C1 =	1.4227272
C2 =	3.9045599
C3 =	-.68234160E-01
C4 =	.55720116E-01

D1 TO D5	4.9897847	.14222494	.40273109E-04	-.62574430E-04	.12064390E-05
E1 TO E5	15.437322	2.6037747	.53589327	.10725811	.26785016E-01

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	14.2	28.4	42.6	56.7	70.9	85.1	99.3	113.5	127.7	141.9	156.0	170.2	184.4	198.6	212.8	227.0	241.2	255.4
DEPTH(FT)=	128.0	127.5	126.1	123.9	121.2	118.2	115.1	112.2	109.4	106.8	104.5	102.5	100.7	99.3	98.1	97.2	96.5	96.1	96.0

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-280.0	197.37	-36.6	-62.1	-72.1	3129.	-1839.	3629.	9.6
2	-270.0	190.33	-33.0	-55.3	-64.4	2791.	-1653.	3244.	12.2
3	-260.0	183.28	-28.7	-47.4	-55.4	2403.	-1435.	2799.	14.5
4	-250.0	176.23	-24.0	-38.6	-45.4	1978.	-1200.	2314.	16.9
5	-240.0	169.18	-18.4	-28.4	-33.9	1488.	-931.	1755.	19.2
6	-230.0	162.13	-12.0	-17.4	-21.1	955.	-628.	1143.	21.0
7	-220.0	155.08	-5.4	-5.3	-7.6	384.	-305.	490.	23.1
8	-210.0	148.03	1.8	7.2	+7.4	-235.	48.	240.	24.7
9	-200.0	140.98	9.1	20.6	+22.5	-923.	427.	1017.	28.4
10	-190.0	133.93	17.4	34.1	+38.3	-1653.	850.	1859.	31.1
11	-180.0	126.88	25.4	48.1	+54.4	-2440.	1297.	2764.	32.5
12	-170.0	119.83	33.0	62.1	+70.4	-3278.	1727.	3705.	33.8
13	-160.0	112.79	40.9	75.4	+85.8	-4121.	2208.	4675.	34.9
14	-150.0	105.74	47.9	88.4	+100.6	-4983.	2654.	5646.	35.7
15	-140.0	98.69	54.8	100.8	+114.7	-5857.	3120.	6637.	36.2
16	-130.0	91.64	61.8	113.1	+128.9	-6777.	3631.	7688.	36.2
17	-120.0	84.59	69.2	126.7	+144.4	-7871.	4214.	8928.	37.2
18	-110.0	77.54	77.4	142.1	+161.8	-9136.	4875.	10355.	37.8
19	-100.0	70.49	86.0	158.0	+179.9	-10486.	5609.	11892.	37.0
20	-90.0	63.44	95.4	175.7	+199.9	-12037.	6407.	13636.	35.9
21	-80.0	56.39	105.6	195.3	+222.0	-13840.	7311.	15653.	35.3
22	-70.0	49.34	117.0	215.0	+244.7	-15712.	8389.	17811.	34.2
23	-60.0	42.29	127.4	231.3	+264.1	-17299.	9405.	19690.	28.6
24	-50.0	35.25	134.8	244.2	+279.0	-18605.	10130.	21184.	19.2
25	-40.0	28.20	140.2	253.0	+289.3	-19606.	10710.	22341.	8.9
26	-30.0	21.15	142.8	256.4	+293.5	-20158.	11061.	22994.	-2.2
27	-20.0	14.10	142.1	253.6	+290.7	-20213.	11149.	23084.	-14.0
28	-10.0	7.05	137.7	244.2	+280.4	-19701.	10928.	22529.	-25.8
29	0.0	-0.00	129.5	227.9	+262.2	-18590.	10387.	21295.	-36.6
30	10.0	-7.05	117.4	204.8	+236.1	-16891.	9506.	19382.	-46.5

33	40.0	-28.20	63.8	107.3	+124.9		5391.	10819.	-67.9	

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	50.0	-35.25	43.5	71.0	+83.2	-6591.	3833.	7625.	-72.0
35	60.0	-42.29	23.4	35.2	+42.3	-3880.	2320.	4520.	-74.1
36	70.0	-49.34	4.5	1.7	+ 4.8	-1301.	943.	1607.	-71.1
37	80.0	-56.39	-12.7	-28.7	- 31.4	986.	-367.	1053.	-63.1
38	90.0	-63.44	-28.0	-53.4	-60.3	2790.	-1486.	3161.	-53.3
39	100.0	-70.49	-39.3	-72.0	-82.0	4083.	-2251.	4663.	-45.1
40	110.0	-77.54	-47.0	-84.5	- 96.7	4876.	-2724.	5585.	-39.0
41	120.0	-84.59	-51.8	-92.4	-106.0	5338.	-2987.	6117.	-33.1
42	130.0	-91.64	-54.1	-96.1	-110.3	5502.	-3076.	6304.	-27.3
43	140.0	-98.69	-54.8	-96.8	-111.2	5478.	-3068.	6279.	-21.8
44	150.0	-105.74	-53.9	-95.3	-109.5	5324.	-2968.	6096.	-16.6
45	160.0	-112.79	-52.5	-92.8	-106.6	5110.	-2843.	5848.	-12.1
46	170.0	-119.83	-50.6	-89.6	-102.9	4860.	-2691.	5555.	-8.1
47	180.0	-126.88	-48.8	-85.2	- 98.2	4508.	-2557.	5183.	-4.3
48	190.0	-133.93	-46.9	-81.0	-93.6	4186.	-2422.	4836.	-1.2
49	200.0	-140.98	-44.9	-77.4	-89.5	3959.	-2299.	4578.	1.5
50	210.0	-148.03	-42.3	-73.1	-84.5	3715.	-2142.	4288.	4.3
51	220.0	-155.08	-39.9	-68.3	-79.1	3449.	-2005.	3989.	6.8
52	230.0	-162.13	-36.8	-62.5	-72.5	3152.	-1849.	3654.	9.5
53	240.0	-169.18	-33.3	-55.8	-64.9	2814.	-1667.	3271.	12.1
54	250.0	-176.23	-29.0	-48.0	-56.1	2430.	-1454.	2832.	14.8
55	260.0	-183.28	-24.4	-39.2	-46.2	2012.	-1221.	2353.	16.8
56	270.0	-190.33	-18.9	-29.2	-34.8	1525.	-952.	1798.	19.1
57	280.0	-197.37	-12.5	-18.3	- 22.2	998.	-655.	1194.	20.9

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	142.0683 KIPS
Y SHEAR FORCE =	253.6307 KIPS
RESULTANT SHEAR FORCE =	290.7094 KIPS
X MUDLINE MOMENT =	-20212.9884 FT-KIPS
Y MUDLINE MOMENT =	11148.5185 FT-KIPS
RESULTANT MUDLINE MOMENT =	23083.6385 FT-KIPS
Z VERTICAL FORCE =	-13.9792 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67. APEX/SL B.6.0

08.07.04. 07/20/76.

```
PPPPPPPPPPP   UU        UU  YY        YY  ZZZZZZZZZZZZ   GGGGGGGGGG   NN        NN  LL
PPPPPPPPPPPP  UU        UU  YY        YY  ZZZZZZZZZZZZ  GGGGGGGGGGG  NNN       NN  LL
PP        PP  UU        UU  YY        YY  Z          ZZ  GG          G  NNNN      NN  LL
PP        PP  UU        UU  YY        YY            ZZ  GG             NN NN     NN  LL
PP        PP  UU        UU  YY        YY           ZZ   GG             NN  NN    NN  LL
PP        PP  UU        UU  YY        YY          ZZ    GG             NN   NN   NN  LL
PPPPPPPPPPPP  UU        UU  YYY      YYY         ZZ     GG             NN    NN  NN  LL
PPPPPPPPPPP   UU        UU   YYY    YYY        ZZZZZZZZ  GG             NN     NN NN  LL
PP            UU        UU    YYY  YYY          ZZ     GG      GGGG   NN      NNNN  LL
PP            UU        UU     YYYYY           ZZ      GG      GGGG   NN       NNN  LL
PP            UU        UU      YY            ZZ       GG        GG   NN        NN  LL
PP            UU        UU      YY           ZZ        GG        GG   NN        NN  LL
PP            UU        UU      YY          ZZ         GG        GG   NN        NN  LL
PP            UU        UU      YY         ZZ          Z  GG     GG   NN        NN  LL          LL
PP            UUUUUUUUUUUU      YY        ZZZZZZZZZZZZZ  GGGGGGGGGGG  NN        NN  LLLLLLLLLLLL
PP             UUUUUUUUUU       YY        ZZZZZZZZZZZZZ   GGGGGGGGGG  NN        NN  LLLLLLLLLLLL
```

37 FT Wave Height

10.9 SEC Wave Period

2.7 FPS Surface Current

(1.6 knot)

```
                    ************************************************
                    *                                              *
                    *                  SEALOAD-2                   *
                    *                                              *
                    *       DEVELOPED BY SYNERCOM TECHNOLOGY, INC.  *
                    *                HOUSTON, TEXAS                *
                    *              RELEASE 2  MOD 12               *
                    *                JULY 1976                     *
                    *                                              *
                    ************************************************
```

```
                                1   1   2   2   3   3   4   4   5   5   6   6   7   7   8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

```
    1  COEF    12.    0.74        1.34
    2           24.    0.74        1.34
    3           36.    0.74        1.34
    4           48.    0.74        1.34
    5           72.    0.74        1.34
    6  END     144.0   0.74        1.34
    7  VCUR                1.0     0.2
    8                     11.0     0.5
    9                     22.0      .7
   10                     33.0     0.8
   11                     44.0     0.9
   12                     54.9     1.0
   13                     65.9     1.1
   14                     76.9     1.2
   15                     87.9     1.4
   16                     98.9     1.5
   17  END               109.9     1.6
   18                          37 FT WAVE HEIGHT
   19                            C. CHERN
   20                                JULY, 1976
   21                                27-771-01
   22  STMAN   1 60030030010011                    DF  1    00  1  370  10990 109  3 11
   23  END
```

**** C O E F F I C I E N T T A B L E R E P O R T ****

DIAMETEH IN	NORMAL DRAG CUEF	TANG DRAG CUEF	MASS CUEF
12.000	.7400	=0.0000	1.3400
24.000	.7400	=0.0000	1.3400
36.000	.7400	=0.0000	1.3400
48.000	.7400	=0.0000	1.3400
72.000	.7400	=0.0000	1.3400
144.000	.7400	=0.0000	1.3400

37 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	37.000	FT
MEAN WATER DEPTH =	109.900	FT
WAVE PERIOD =	10.900	SEC
WAVE LENGTH =	552.641	FT
WAVE CELERITY =	50.698	FT/SEC
D/L =	.198863	
LAMBDA =	.20041	

BETA =	.01137
C02 =	27.284720
A11 =	.62462360
A13 =	-.79678742
A15 =	-1.4352820
A22 =	.57032741E-01
A24 =	.11181007
A33 =	-.72589326E-03
A35 =	.52762626E-01
A44 =	-.62683013E-03
A55 =	.20021583E-04
B22 =	.93453244
B24 =	1.4067218
B33 =	1.0102272
B35 =	3.7318058
B44 =	1.2655130
B55 =	1.7972251
C1 =	1.5614029
C2 =	5.1523697
C3 =	-.82726610E-01
C4 =	.79125594E-01

D1 TO D5	5.9978448	.25076760	.17059088E-02	-.20507421E-03	.16409562E-05
E1 TO E5	17.627504	3.5011192	.82138653	.18212654	.51109639E-01

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	15.4	30.7	46.1	61.4	76.8	92.1	107.5	122.8	138.2	153.5	168.9	184.2	199.6	214.9	230.3	245.6	261.0	276.3
DEPTH(FT)=	132.1	131.4	129.6	126.8	123.4	119.7	116.1	112.6	109.4	106.6	104.1	101.9	100.0	98.5	97.3	96.3	95.6	95.2	95.1

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG.-WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-300.0	195.43	-42.2	-71.9	-83.4	3405.	-1994.	3946.	9.4
2	-290.0	188.91	-39.0	-65.6	-76.3	3100.	-1827.	3598.	12.0
3	-280.0	182.40	-35.0	-58.2	-67.9	2750.	-1634.	3199.	14.4
4	-270.0	175.88	-30.3	-49.8	-58.3	2359.	-1413.	2749.	16.4
5	-260.0	169.37	-25.2	-40.1	-47.4	1914.	-1172.	2244.	18.8
6	-250.0	162.85	-19.0	-29.0	-34.7	1412.	-891.	1669.	21.1
7	-240.0	156.34	-12.4	-17.3	-21.3	866.	-580.	1043.	23.1
8	-230.0	149.83	-5.0	-4.6	-6.7	268.	-236.	557.	25.2
9	-220.0	143.31	2.6	9.5	+9.8	-390.	122.	409.	26.9
10	-210.0	136.80	10.7	23.5	+25.8	-1084.	520.	1203.	30.5
11	-200.0	130.28	19.1	37.7	+42.3	-1835.	945.	2064.	34.1
12	-190.0	123.77	27.8	53.0	+59.9	-2660.	1414.	3012.	35.9
13	-180.0	117.26	36.3	68.3	+77.3	-3544.	1869.	4007.	37.8
14	-170.0	110.74	44.6	82.7	+93.9	-4443.	2368.	5034.	39.4
15	-160.0	104.23	52.4	97.0	+110.2	-5382.	2859.	6094.	41.2
16	-150.0	97.71	60.3	111.0	+126.3	-6348.	3376.	7190.	42.4
17	-140.0	91.20	68.4	125.4	+142.8	-7399.	3953.	8389.	43.6
18	-130.0	84.68	77.3	142.0	+161.7	-8694.	4636.	9853.	46.0
19	-120.0	78.17	87.1	161.0	+183.0	-10215.	5416.	11562.	48.1
20	-110.0	71.66	98.5	181.3	+206.3	-11889.	6342.	13474.	48.7
21	-100.0	65.14	110.5	204.8	+232.7	-13680.	7333.	15498.	49.8
22	-90.0	58.63	124.5	231.3	+262.7	-16217.	8533.	18325.	51.8
23	-80.0	52.11	140.2	258.5	+294.1	-18065.	9944.	21148.	52.6
24	-70.0	45.60	155.1	285.5	+323.2	-20935.	11297.	23789.	47.4
25	-60.0	39.09	167.5	305.8	+348.7	-23011.	12429.	26153.	37.7
26	-50.0	32.57	178.5	324.7	+370.5	-24655.	13485.	28268.	26.4
27	-40.0	26.06	186.8	338.8	+386.7	-26323.	14301.	29957.	13.7
28	-30.0	19.54	192.0	348.2	+395.8	-27295.	14901.	31096.	-.0
29	-20.0	13.03	193.1	346.3	+396.5	-27655.	15172.	31584.	-14.3
30	-10.0	6.51	189.6	337.9	+387.5	-27275.	15059.	31156.	-28.5
31	0.0	-0.00	181.3	320.6	+368.1	-26094.	14514.	29864.	-42.8

33	20.0	-13.03	149.7	260.1	+ 300.1	-[illegible]	12134.	24677.	-65.2

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	30.0	-19.54	128.0	219.9	+ 254.5	-18311.	10435.	21076.	-74.7
35	40.0	-26.06	103.6	176.0	+ 204.2	-14844.	8506.	17108.	-81.8
36	50.0	-32.57	77.8	130.4	+ 151.8	-11266.	6498.	13006.	-86.6
37	60.0	-39.09	52.4	85.6	+ 100.4	-7810.	4539.	9033.	-89.6
38	70.0	-45.60	28.4	43.0	+ 51.5	-4564.	2721.	5313.	-90.3
39	80.0	-52.11	6.2	3.4	+ 7.1	-1601.	1110.	1948.	-86.5
40	90.0	-58.63	-13.7	-31.1	- 34.0	996.	-359.	1059.	-76.3
41	100.0	-65.14	-30.7	-58.9	- 66.5	3006.	-1587.	3399.	-63.0
42	110.0	-71.66	-43.3	-79.4	- 90.5	4409.	-2437.	5037.	-52.3
43	120.0	-78.17	-51.9	-93.2	-106.7	5260.	-2945.	6029.	-45.0
44	130.0	-84.68	-57.0	-101.5	-116.4	5729.	-3214.	6569.	-37.9
45	140.0	-91.20	-59.2	-105.2	-120.7	5883.	-3292.	6741.	-31.3
46	150.0	-97.71	-59.9	-105.9	-121.6	5849.	-3273.	6703.	-25.3
47	160.0	-104.23	-59.0	-104.4	-119.9	5673.	-3169.	6498.	-19.5
48	170.0	-110.74	-57.6	-101.9	-117.0	5445.	-3034.	6234.	-14.7
49	180.0	-117.26	-55.7	-98.6	-113.3	5162.	-2874.	5908.	-10.6
50	190.0	-123.77	-54.3	-94.7	-109.2	4810.	-2751.	5541.	-6.6
51	200.0	-130.28	-52.8	-91.6	-105.7	4555.	-2627.	5258.	-3.5
52	210.0	-136.80	-51.4	-89.0	-102.8	4367.	-2526.	5045.	-1.0
53	220.0	-143.31	-49.9	-86.1	-99.5	4178.	-2423.	4829.	1.5
54	230.0	-149.83	-48.0	-82.7	-95.7	3971.	-2308.	4593.	3.9
55	240.0	-156.34	-45.6	-78.4	-90.6	3733.	-2161.	4314.	6.3
56	250.0	-162.85	-42.9	-73.4	-85.0	3478.	-2029.	4027.	8.8
57	260.0	-169.37	-39.9	-67.4	-78.3	3183.	-1872.	3693.	11.3
58	270.0	-175.88	-36.2	-60.4	-70.4	2849.	-1691.	3313.	13.9
59	280.0	-182.40	-31.5	-52.0	-60.8	2460.	-1469.	2866.	15.9
60	290.0	-188.91	-26.6	-42.7	-50.3	2033.	-1235.	2379.	18.0
61	300.0	-195.43	-20.8	-32.1	-38.2	1544.	-970.	1823.	20.5

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	193.0694 KIPS
Y SHEAR FORCE =	346.3442 KIPS
RESULTANT SHEAR FORCE =	396.5225 KIPS
X MUDLINE MOMENT =	-27655.0575 FT-KIPS
Y MUDLINE MOMENT =	15172.1334 FT-KIPS
RESULTANT MUDLINE MOMENT =	31543.5547 FT-KIPS
Z VERTICAL FORCE =	-14.2643 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67, APEX/3L 8.6.0

16.42.08. 07/19/76.

```
PPPPPPPPPPP   UU        UU  YY        YY  ZZZZZZZZZZZZ   GGGGGGGGGG   FFFFFFFFFFFF  JJJJJJJJJJJJ
PPPPPPPPPPPP  UU        UU  YY        YY  ZZZZZZZZZZZZZ  GGGGGGGGGGGG  FFFFFFFFFFFF  JJJJJJJJJJJJ
PP        PP  UU        UU  YY        YY  Z          ZZ  GG          G  FF                JJ
PP        PP  UU        UU  YY        YY            ZZ  GG             FF                JJ
PP        PP  UU        UU  YY        YY           ZZ   GG             FF                JJ
PP        PP  UU        UU  YY        YY          ZZ    GG             FF                JJ
PPPPPPPPPPPP  UU        UU  YYY      YYY         ZZ     GG             FF                JJ
PPPPPPPPPPP   UU        UU   YYY    YYY       ZZZZZZZZ  GG             FFFFFFFF          JJ
PP            UU        UU    YYY  YYY         ZZ      GG      GGGG   FFFFFFFF          JJ
PP            UU        UU     YYYY           ZZ       GG      GGGG   FF                JJ
PP            UU        UU      YY           ZZ        GG        GG   FF                JJ
PP            UU        UU      YY          ZZ         GG        GG   FF                JJ
PP            UU        UU      YY         ZZ          GG        GG   FF                JJ
PP            UU        UU      YY        ZZ           GG        GG   FF          JJ    JJ
PP            UUUUUUUUUUUU      YY        ZZZZZZZZZZZZ GGGGGGGGGGGG  FF          JJJJJJJ
PP             UUUUUUUUUU       YY        ZZZZZZZZZZZZ  GGGGGGGGGG   FF           JJJJJ
```

42 FT WAVE HEIGHT

11.4 SEC WAVE PERIOD

3.1 FPS SURFACE CURRENT

(1.8 knot)

```
                                                                                                                    PAGE    1

                    ********************************************
                    *                                          *
                    *                SEALOAD-2                 *
                    *                                          *
                    *     DEVELOPED BY SYNERCOM TECHNOLOGY, INC.*
                    *              HOUSTON, TEXAS              *
                    *            RELEASE 2  MOD 12             *
                    *               JULY 1976                  *
                    *                                          *
                    ********************************************

                                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1  CUEF   12.    0.74        1.34
    2         24.    0.74        1.34
    3         36.    0.74        1.34
    4         48.    0.74        1.34
    5         72.    0.74        1.34
    6  END   144.0   0.74        1.34
    7  VCUR             1.0       0.2
    8                  11.0       0.6
    9                  22.1       0.8
   10                  33.1       0.9
   11                  44.2       1.0
   12                  55.2       1.2
   13                  66.2       1.3
   14                  77.3       1.4
   15                  88.3       1.5
   16                  99.4       1.7
   17  END            110.4       1.8
   18  U.S. NAVY - ACMR STRUCTURES  -- MLW 105 FT
   19                          42 FT WAVE HEIGHT
   20                          C. CHERN
   21                               JULY, 1976
   22                               27-771-01
   23  STRAN   1 60030030010011                        DF  1    00  1  420  11040 114  3 11
   24  END
```

**** C O E F F I C I E N T T A B L E R E P O R T ****

DIAMETER IN	NURMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	=0.0000	1.3400
24.000	.7400	=0.0000	1.3400
36.000	.7400	=0.0000	1.3400
48.000	.7400	=0.0000	1.3400
72.000	.7400	=0.0000	1.3400
144.000	.7400	=0.0000	1.3400

U.S. NAVY - ACMR STRUCTURES -- HL= 105 FT

42 FT WAVE HEIGHT

C. CHERN

JULY, 1970

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	42.000	FT
MEAN WATER DEPTH =	110.400	FT
WAVE PERIOD =	11.400	SEC
WAVE LENGTH =	595.477	FT
WAVE CELERITY =	52.232	FT/SEC
D/L =	.185398	
LAMBDA =	.20796	

BETA =	.01055
CO2 =	26.463886
A11 =	.6911796
A13 =	-1.0043163
A15 =	-1.8925274
A22 =	.85544483E-01
A24 =	.11375627
A33 =	.73835285E-03
A35 =	.90616100E-01
A44 =	-.15021424E-02
A55 =	-.43895553E-04
B22 =	1.0433620
B24 =	1.5111477
B33 =	1.2151959
B35 =	4.4521614
B44 =	1.6509735
B55 =	2.4723857
C1 =	1.7344828
C2 =	6.8157530
C3 =	-.98248165E-01
C4 =	.10908311

D1 TO D5	6.9974027	.40887586	.65632920E-02	-.54008649E-03	-.44588183E-05
E1 TO E5	19.706967	4.5442523	1.1998956	.29264431	.91137036E-01

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	16.5	33.1	49.6	66.2	82.7	99.2	115.8	132.3	148.9	165.4	182.0	198.5	215.0	231.6	248.1	264.7	281.2	297.7
DEPTH(FT)=	136.2	135.4	133.0	129.5	125.3	120.9	116.7	112.8	109.2	106.1	103.5	101.2	99.3	97.7	96.5	95.5	94.8	94.4	94.2

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-300.0	181.37	-41.5	-69.4	-80.9	3106.	-1838.	3609.	13.8
2	-290.0	175.32	-37.0	-61.3	-71.6	2748.	-1635.	3198.	16.0
3	-280.0	169.28	-32.0	-52.1	-61.2	2341.	-1412.	2734.	18.0
4	-270.0	163.23	-26.3	-41.7	-49.3	1890.	-1164.	2220.	20.3
5	-260.0	157.18	-19.9	-30.0	-36.0	1374.	-880.	1631.	22.4
6	-250.0	151.14	-12.7	-17.5	-21.6	817.	-552.	986.	24.7
7	-240.0	145.09	-5.1	-3.8	- 6.3	201.	-213.	292.	26.8
8	-230.0	139.05	3.3	10.5	+ 11.0	-457.	169.	487.	28.6
9	-220.0	133.00	11.5	25.1	+ 27.6	-1154.	558.	1282.	32.1
10	-210.0	126.96	20.2	40.1	+ 44.9	-1922.	987.	2160.	36.1
11	-200.0	120.91	29.5	56.1	+ 63.4	-2756.	1476.	3127.	38.5
12	-190.0	114.87	38.3	72.1	+ 81.6	-3665.	1933.	4144.	40.8
13	-180.0	108.82	47.2	87.6	+ 99.5	-4610.	2460.	5225.	43.3
14	-170.0	102.77	55.7	102.9	+ 117.0	-5590.	2978.	6333.	45.8
15	-160.0	96.73	64.2	118.3	+ 134.7	-6645.	3525.	7522.	47.9
16	-150.0	90.68	73.4	134.7	+ 153.4	-7804.	4164.	8845.	50.1
17	-140.0	84.64	83.5	153.7	+ 174.9	-9236.	4909.	10460.	53.7
18	-130.0	78.59	94.9	175.5	+ 199.5	-10951.	5789.	12387.	57.6
19	-120.0	72.55	108.3	200.0	+ 227.4	-12898.	6856.	14607.	59.8
20	-110.0	66.50	122.8	228.4	+ 259.3	-15234.	8017.	17214.	62.6
21	-100.0	60.46	139.9	261.1	+ 296.2	-18023.	9443.	20347.	67.6
22	-90.0	54.41	159.7	296.0	+ 336.3	-21043.	11155.	23817.	71.3
23	-80.0	48.36	179.4	329.8	+ 375.4	-23985.	12875.	27222.	67.3
24	-70.0	42.32	197.2	362.2	+ 412.4	-26862.	14415.	30485.	58.7
25	-60.0	36.27	214.1	392.3	+ 446.9	-29627.	15918.	33632.	47.5
26	-50.0	30.23	229.1	418.3	+ 476.9	-32133.	17316.	36501.	33.9
27	-40.0	24.18	241.3	439.0	+ 500.9	-34258.	18515.	38941.	18.9
28	-30.0	18.14	249.6	452.1	+ 516.5	-35794.	19435.	40730.	2.3
29	-20.0	12.09	253.2	455.7	+ 521.4	-36535.	19957.	41631.	-18.7
30	-10.0	6.05	250.8	448.6	+ 514.0	-36341.	19977.	41470.	-31.6
31	0.0	-0.00	242.4	430.2	+ 493.8	-35114.	19483.	40144.	

34	[illegible]	-00.05	227.0	400.4	+460.0	-32052.	19350.	37032.	-83.2
33	2[illegible]	-12.09	206.5	360.3	+415.3	[illegible]54.	16711.	34048.	-76.7

* * * * WAVE POSITION SUMMARY REPORT * * * *

LOAD CONDITION 1 WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CHEST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
	30.0	-18.14	180.9	312.4	+361.0	-25778.	14685.	29648.	-88.1
35	40.0	-24.18	151.7	259.2	+300.3	-21462.	12284.	24729.	-96.8
36	50.0	-30.23	120.3	203.0	+236.0	-16961.	9778.	19578.	-103.0
37	60.0	-36.27	88.7	147.2	+171.9	-12566.	7284.	14524.	-106.3
38	70.0	-42.32	58.2	94.2	+110.7	-8462.	4981.	9799.	-107.5
39	80.0	-48.36	30.2	45.2	+ 54.4	-4770.	2854.	5558.	-106.3
40	90.0	-54.41	5.3	.8	+ 5.4	-1461.	1065.	1808.	-99.6
41	100.0	-60.46	-16.7	-37.1	- 40.7	1327.	-534.	1430.	-86.2
42	110.0	-66.50	-35.2	-66.9	- 75.6	3432.	-1840.	3894.	-70.0
43	120.0	-72.55	-48.2	-88.3	- 100.6	4852.	-2698.	5552.	-57.8
44	130.0	-78.59	-56.9	-101.7	-116.6	5671.	-3188.	6506.	-49.2
45	140.0	-84.64	-61.9	-110.1	- 126.3	6116.	-3431.	7013.	-41.3
46	150.0	-90.68	-64.1	-113.5	-130.3	6234.	-3497.	7148.	-34.1
47	160.0	-96.73	-64.3	-113.7	- 130.7	6155.	-3447.	7055.	-27.5
48	170.0	-102.77	-63.3	-111.9	- 128.6	5954.	-3325.	6820.	-21.3
49	160.0	-108.82	-61.7	-109.3	- 125.5	5699.	-3165.	6519.	-16.7
50	190.0	-114.87	-60.2	-105.5	- 121.5	5339.	-3023.	6135.	-12.0
51	200.0	-120.91	-58.7	-102.1	- 117.7	5009.	-2892.	5784.	-8.3
52	210.0	-126.96	-57.6	-100.3	- 115.6	4838.	-2792.	5585.	-5.5
53	220.0	-133.00	-56.7	-98.4	- 113.6	4683.	-2708.	5409.	-3.1
54	230.0	-139.05	-55.7	-96.7	- 111.6	4532.	-2625.	5238.	-.8
55	240.0	-145.09	-54.6	-94.4	- 109.1	4378.	-2537.	5058.	1.1
56	250.0	-151.14	-53.2	-91.9	-106.2	4211.	-2445.	4869.	3.4
57	260.0	-157.18	-51.5	-88.7	- 102.6	4023.	-2337.	4653.	5.6
58	270.0	-163.23	-49.2	-84.6	- 97.8	3813.	-2212.	4408.	7.7
5[illegible]	280.0	-169.28	-46.7	-79.5	- 92.1	3567.	-2080.	4132.	10.3
6	290.0	-175.32	-43.5	-73.2	- 85.2	3276.	-1937.	3806.	12.4
6	300.0	-181.37	-39.4	-66.0	- 76.9	2949.	-1786.	3427.	14.8

**** L O A D S U M M A R Y R E P O R T ****

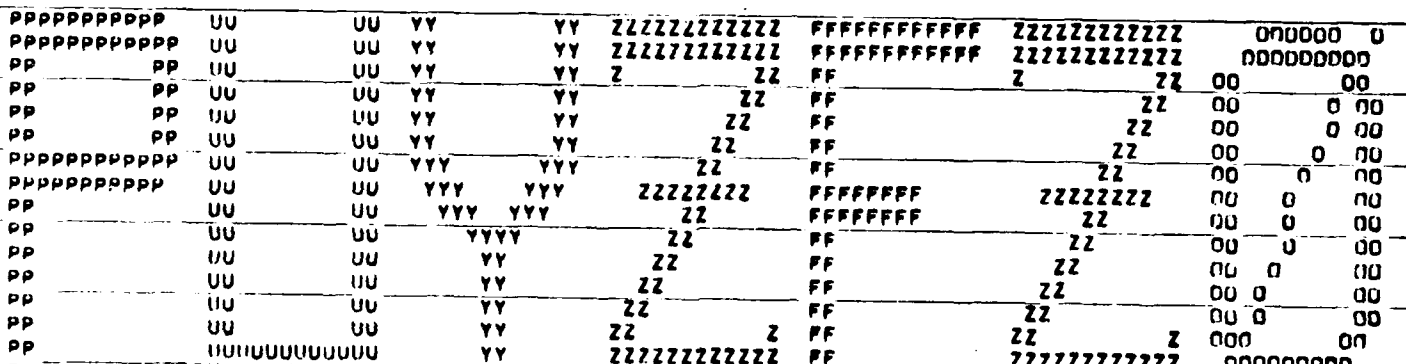
WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	253.1981 KIPS
Y SHEAR FORCE =	455.6887 KIPS
RESULTANT SHEAR FORCE =	521.3075 KIPS
X MUDLINE MOMENT =	-36534.9702 FT-KIPS
Y MUDLINE MOMENT =	19957.3174 FT-KIPS
RESULTANT MUDLINE MOMENT =	41630.5004 FT-KIPS
Z VERTICAL FORCE =	-14.6606 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67, APEX/SL 8.6.0

16.17.56. 07/19/76.



47 FT WAVE HEIGHT

12.0 SEC WAVE PERIOD

3.5 FPS SURFACE CURRENT
(2.1 Knot)

```
                    SEALOAD-2

          DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
                    HOUSTON, TEXAS
                  RELEASE 2  MOD 12
                     JULY 1976

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  COEF    12.    0.74          1.34
    2            24.    0.74          1.34
    3            36.    0.74          1.34
    4            48.    0.74          1.34
    5            72.    0.74          1.34
    6  END     144.0   0.74          1.34
    7  VCUR                1.0         0.3
    8                      11.1        0.7
    9                      22.2        0.8
   10                      33.3        1.0
   11                      44.4        1.1
   12                      55.5        1.3
   13                      66.6        1.5
   14                      77.7        1.6
   15                      88.8        1.7
   16                     100.0        2.0
   17  END                111.0        2.1
   18  U.S. NAVY - ACMR STRUCTURES  -- MLW 105 FT
   19                            47 FT WAVE HEIGHT
   20                            C. CHERN
   21                                JULY, 1976
   22                                27-771-01
   23  STRAN   1 60032032010011                    DF  1    00  1  470  11100 120  3 11
   24  END
```

**** COEFFICIENT TABLE REPORT ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	=0.0000	1.3400
24.000	.7400	=0.0000	1.3400
36.000	.7400	=0.0000	1.3400
48.000	.7400	=0.0000	1.3400
72.000	.7400	=0.0000	1.3400
144.000	.7400	=0.0000	1.3400

U.S. NAVY - ACMR STRUCTURES -- MLW 105 FT

47 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	47.000	FT
MEAN WATER DEPTH =	111.000	FT
WAVE PERIOD =	12.000	SEC
WAVE LENGTH =	646.836	FT
WAVE CELERITY =	53.900	FT/SEC
D/L =	.171605	
LAMMDA =	.21037	

BETA =	.00971
C02 =	25.495992
A11 =	.76945167
A13 =	-1.3095871
A15 =	-2.5833424
A22 =	.13144881
A24 =	.76939464E-01
A33 =	.55987265E-02
A35 =	.15786321
A44 =	-.29540216E-02
A55 =	-.41339419E-03
B22 =	1.1911609
B24 =	1.5828230
B33 =	1.5229625
B35 =	5.3908610
B44 =	2.2470940
B55 =	3.6531977
C1 =	1.9864023
C2 =	9.6702440
C3 =	-.11730690
C4 =	.15259387

D1 TO D5	8.0101329	.64333759	.18945103E-01	-.12473226E-02	-.45900675E-04
E1 TO E5	21.656775	5.7459277	1.6882774	.45305799	.15494776

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	18.0	35.9	53.9	71.9	89.8	107.8	125.8	143.7	161.7	179.7	197.6	215.6	233.6	251.5	269.5	287.5	305.5	323.4
DEPTH(FT)=	140.7	139.6	136.6	132.3	127.2	122.0	117.1	112.8	109.0	105.7	102.9	100.6	98.7	97.2	96.0	95.0	94.3	93.9	93.7

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-320.0	178.10	-45.4	-76.5	- 89.0	3241.	-1909.	3761.	13.3
2	-310.0	172.53	-41.4	-68.9	- 80.4	2918.	-1734.	3395.	15.3
3	-300.0	166.97	-36.6	-60.1	- 70.4	2546.	-1527.	2969.	17.2
4	-290.0	161.40	-31.1	-50.1	- 59.0	2129.	-1294.	2491.	19.4
5	-280.0	155.84	-24.9	-39.2	- 46.4	1672.	-1036.	1967.	21.7
6	-270.0	150.27	-18.3	-26.9	- 32.5	1153.	-751.	1376.	23.7
7	-260.0	144.70	-10.8	-14.0	- 17.7	591.	-429.	730.	25.8
8	-250.0	139.14	-3.0	.2	- 3.0	-40.	-81.	90.	27.7
9	-240.0	133.57	5.3	14.7	+ 15.6	-671.	284.	729.	29.7
10	-230.0	128.01	13.8	29.6	+ 32.7	-1376.	681.	1536.	33.5
11	-220.0	122.44	22.7	45.0	+ 50.4	-2143.	1107.	2412.	37.4
12	-210.0	116.88	32.2	61.4	+ 69.3	-2992.	1593.	3389.	40.2
13	-200.0	111.31	41.3	77.6	+ 87.9	-3895.	2064.	4408.	42.9
14	-190.0	105.75	50.3	93.7	+106.3	-4859.	2587.	5505.	45.9
15	-180.0	100.18	59.4	109.9	+124.9	-5893.	3134.	6675.	48.8
16	-170.0	94.61	68.5	126.4	+143.8	-7006.	3711.	7928.	52.1
17	-160.0	89.05	78.5	144.4	+164.3	-8264.	4393.	9360.	55.3
18	-150.0	83.48	89.7	165.4	+188.2	-9825.	5216.	11123.	60.4
19	-140.0	77.92	102.7	190.6	+216.5	-11756.	6196.	13289.	65.9
20	-130.0	72.35	118.1	219.0	+248.8	-13955.	7397.	15794.	70.0
21	-120.0	66.79	135.3	252.6	+286.6	-16656.	8730.	18805.	75.4
22	-110.0	61.22	155.7	291.7	+330.7	-19893.	10387.	22481.	83.2
23	-100.0	55.66	179.5	333.8	+379.1	-23840.	12391.	26914.	89.6
24	-90.0	50.09	203.7	376.5	+428.1	-27045.	14437.	30657.	88.0
25	-80.0	44.52	226.9	419.2	+476.7	-30719.	16382.	34814.	80.7
26	-70.0	38.96	250.1	461.1	+524.6	-34426.	18374.	39023.	70.4
27	-60.0	33.39	272.2	500.7	+569.9	-38050.	20335.	43143.	57.3
28	-50.0	27.83	292.3	536.0	+610.5	-41451.	22212.	47027.	41.7
29	-40.0	22.26	309.2	564.1	+643.8	-44406.	23877.	50418.	28.0
30	-30.0	16.70	321.5	584.3	+666.9	-46646.	25196.	53016.	4.9
31	-20.0	11.13	327.9	592.	+677.5	-47933.	26035.	54547.	-15.8
32	-10.0	5.57	327.6	587.	+672.8	-48013.	26243.	[illegible]	[illegible]

33	0	-0.00	319.0	568.7	+652.1	[illegible]5.	25784.	53811.	-54.5	

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	10.0	-5.57	303.0	535.5	+615.3	-48208.	24594.	50589.	-72.7
35	20.0	-11.13	279.4	489.	+563.5	-40431.	22694.	46365.	-88.8
36	30.0	-16.70	249.3	432	+499.5	-35712.	20212.	41035.	-102.1
37	40.0	-22.26	214.7	369	+426.9	-30385.	17347.	34988.	-112.7
38	50.0	-27.83	177.1	301	+349.5	-24797.	14256.	28603.	-120.3
39	60.0	-33.39	138.5	232	+271.0	-19277.	11140.	22265.	-124.8
40	70.0	-38.96	100.9	167	+195.2	-14070.	8166.	16268.	-126.1
41	80.0	-44.52	65.6	105.8	+124.5	-9354.	5459.	10830.	-124.8
42	90.0	-50.09	34.0	50.6	+61.0	-5227.	3126.	6091.	-121.4
43	100.0	-55.66	6.6	2.1	+6.9	-1684.	1172.	2019.	-112.1
44	110.0	-61.22	-17.5	-39.0	-42.8	1349.	-537.	1452.	-95.6
45	120.0	-66.79	-37.2	-70.8	-79.9	3568.	-1912.	4048.	-76.7
46	130.0	-72.35	-51.1	-93.3	-106.4	5041.	-2813.	5772.	-62.3
47	140.0	-77.92	-60.0	-107.4	-123.0	5880.	-3311.	6748.	-52.5
48	150.0	-83.48	-65.3	-115.8	-133.0	6316.	-3557.	7249.	-43.9
49	160.0	-89.05	-67.4	-119.0	-136.7	6425.	-3613.	7371.	-36.0
50	170.0	-94.61	-67.5	-119.0	-136.8	6330.	-3555.	7260.	-28.7
51	180.0	-100.18	-66.2	-116.9	-134.4	6098.	-3412.	6987.	-22.6
52	190.0	-105.75	-64.5	-114.1	-131.1	5832.	-3252.	6678.	-17.6
53	200.0	-111.31	-62.7	-110.0	-126.6	5453.	-3092.	6269.	-13.1
54	210.0	-116.88	-61.4	-106.8	-123.2	5126.	-2965.	5922.	-9.3
55	220.0	-122.44	-60.5	-105.6	-121.6	4968.	-2864.	5738.	-6.9
56	230.0	-128.01	-59.8	-104.3	-120.2	4830.	-2787.	5576.	-4.9
57	240.0	-133.57	-59.4	-103.6	-119.4	4722.	-2725.	5452.	-2.9
58	250.0	-139.14	-59.0	-102.8	-118.5	4617.	-2664.	5330.	-1.0
59	260.0	-144.70	-58.5	-101.7	-117.3	4509.	-2603.	5206.	.6
60	270.0	-150.27	-57.8	-100.2	-115.7	4389.	-2543.	5073.	2.2
61	280.0	-155.84	-56.8	-98.2	-113.4	4256.	-2470.	4921.	3.9
62	290.0	-161.40	-55.3	-95.4	-110.3	4103.	-2377.	4741.	5.6
63	300.0	-166.97	-53.4	-91.6	-106.0	3914.	-2274.	4526.	7.6
64	310.0	-172.53	-50.9	-86.9	-100.7	3684.	-2140.	4259.	

**** L O A D S U M M A R Y R E P O R T ****

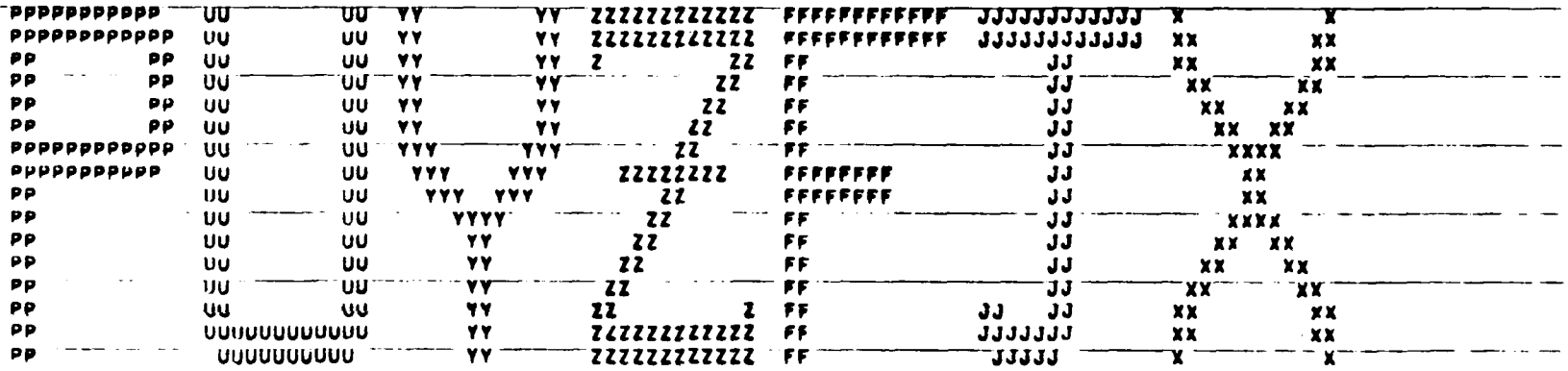
WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	327.3636 KIPS
Y SHEAR FORCE =	587.7713 KIPS
RESULTANT SHEAR FORCE =	672.7868 KIPS
X MUDLINE MOMENT =	-88012.9779 FT-KIPS
Y MUDLINE MOMENT =	26262.5547 FT-KIPS
RESULTANT MUDLINE MOMENT =	58726.2992 FT-KIPS
Z VERTICAL FORCE =	-35.3413 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67. APEX/SL 8.6.0

15.51.00. 07/19/76.



52 FT WAVE HEIGHT

12.6 sec WAVE PERIOD

3.9 FPS SURFACE CURRENT
(2.3 knot)

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                    ************************************************
                    *                                              *
                    *                  SEALOAD-2                   *                                    PAGE    1
                    *                                              *
                    *        DEVELOPED BY SYNERCOM TECHNOLOGY, INC.*
                    *                HOUSTON, TEXAS                *
                    *              RELEASE 2  MOD 12               *
                    *                 JULY 1976                    *
                    *                                              *
                    ************************************************

                                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1  COEF    12.    0.74        1.34
    2           24.    0.74        1.34
    3           36.    0.74        1.34
    4           48.    0.74        1.34
    5           72.    0.74        1.34
    6  END     144.0   0.74        1.34
    7  VCUR                1.0     0.3
    8                     11.2      .7
    9                     22.3      .9
   10                     33.5     1.1
   11                     44.6     1.2
   12                     55.8     1.5
   13                     67.0     1.6
   14                     78.1     1.8
   15                     89.3     2.0
   16                    100.4     2.1
   17  END               111.6     2.3
   18  U.S. NAVY - ACMH STRUCTURES  -- MLW 105 FT
   19                          52 FT WAVE HEIGHT
   20                            C. CHERN
   21                               JULY, 1976
   22                               27-771-01
   23  STRAN   1 60034034010011                        DF  1    00  1  520  11160 126  3 11
   24  END
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**** COEFFICIENT TABLE REPORT ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	=0.0000	1.3400
24.000	.7400	=0.0000	1.3400
36.000	.7400	=0.0000	1.3400
48.000	.7400	=0.0000	1.3400
72.000	.7400	=0.0000	1.3400
144.000	.7400	=0.0000	1.3400

U.S. NAVY - ACHR STRUCTURES -- MLW 105 FT

52 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	52.000	FT
MEAN WATER DEPTH =	111.600	FT
WAVE PERIOD =	12.600	SEC
WAVE LENGTH =	700.091	FT
WAVE CELERITY =	55.560	FT/SEC
D/L =	.159408	
LAMBDA =	.21047	

BETA =	.00897
CU2 =	24.521927
A11 =	.84914537
A13 =	-1.7037026
A15 =	-3.4877995
A22 =	.19496626
A24 =	-.46358991E-01
A33 =	.17172373E-01
A35 =	.25103456
A44 =	-.53759063E-02
A55 =	-.17142762E-02
B22 =	1.3653936
B24 =	1.5427380
B33 =	1.9292301
B35 =	6.3303441
B44 =	3.1063792
B55 =	5.5047799
C1 =	2.3059466
C2 =	14.082869
C3 =	-.13740661
C4 =	.20555067

D1 TO D5	8.9671120	.94958605	.43967494E-01	-.23444274E-02	-.19660291E-03
E1 TO E5	23.451217	7.0765984	2.2954634	.67919129	.25331934

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	19.4	38.9	58.3	77.8	97.2	116.7	136.1	155.6	175.0	194.5	213.9	233.4	252.8	272.3	291.7	311.2	330.6	350.0
DEPTH(FT)=	145.4	144.0	140.3	134.9	128.8	122.7	117.3	112.6	108.6	105.2	102.4	100.0	98.2	96.7	95.6	94.7	94.0	93.5	93.4

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 1 WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-340.0	174.83	-49.1	-82.9	- 96.4	3324.	-1950.	3854.	12.5
2	-330.0	169.69	-45.3	-75.8	- 88.3	3029.	-1795.	3521.	14.2
3	-320.0	164.55	-40.7	-67.2	- 78.6	2685.	-1605.	3128.	16.1
4	-310.0	159.41	-35.5	-58.0	- 68.0	2313.	-1397.	2702.	17.9
5	-300.0	154.27	-29.7	-47.6	- 56.1	1898.	-1158.	2223.	20.1
6	-290.0	149.12	-23.7	-36.3	- 43.3	1436.	-917.	1704.	22.0
7	-280.0	143.98	-16.5	-23.8	- 29.0	919.	-616.	1107.	24.1
8	-270.0	138.84	-9.1	-10.7	- 14.0	368.	-301.	475.	26.1
9	-260.0	133.70	-1.0	3.4	3.6	-243.	43.	246.	27.9
10	-250.0	128.55	7.3	18.3	+ 19.7	-878.	408.	968.	29.9
11	-240.0	123.41	15.9	33.0	+ 36.6	-1561.	792.	1750.	34.1
12	-230.0	118.27	25.0	48.7	+ 54.8	-2307.	1219.	2610.	38.1
13	-220.0	113.13	34.1	64.9	+ 73.3	-3145.	1680.	3565.	41.1
14	-210.0	107.99	43.4	81.5	+ 92.3	-4053.	2149.	4588.	44.3
15	-200.0	102.84	52.7	97.8	+111.1	-5021.	2681.	5691.	47.8
16	-190.0	97.70	62.0	114.5	+ 130.2	-6062.	3224.	6866.	51.6
17	-180.0	92.56	71.5	132.1	+ 150.3	-7224.	3828.	8175.	55.4
18	-170.0	87.42	82.2	151.3	+ 172.2	-8549.	4540.	9680.	59.7
19	-160.0	82.28	94.4	174.3	+ 198.2	-10214.	5416.	11561.	66.2
20	-150.0	77.13	108.6	201.8	+ 229.2	-12277.	6465.	13876.	73.3
21	-140.0	71.99	125.5	233.3	+ 265.0	-14664.	7752.	16587.	79.2
22	-130.0	66.85	144.9	271.1	+ 307.4	-17618.	9227.	19888.	86.4
23	-120.0	61.71	167.9	315.2	+357.1	-21183.	11033.	23884.	97.0
24	-110.0	56.56	195.0	364.1	+ 413.1	-25193.	13260.	28470.	106.9
25	-100.0	51.42	223.7	414.8	+471.3	-29366.	15623.	33264.	108.2
26	-90.0	46.28	252.0	467.1	+530.7	-33739.	17925.	38205.	103.2
27	-80.0	41.14	281.0	520.4	+591.4	-38311.	20350.	43380.	94.6
28	-70.0	36.00	310.0	573.0	+ 651.5	-42988.	22852.	48684.	82.7
29	-60.0	30.85	338.1	623.4	+ 709.1	-47663.	25372.	53996.	67.5
30	-50.0	25.71	363.9	669.0	+ 761.5	-52114.	27805.	59067.	49.6
31	-40.0	20.57	386.1	706.9	+ 805.5	-56063.	30014.	63592.	29.2
32	-30.0	15.43	402.8	734.4	+837.4	-59188.	31688.	67126.	6.8

33	-20.0	10.28	412.7	748.3	+854.6	-[illegible]	33050.	69480.	-16.3

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CHEST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	-10.0	5.14	414.2	746.1	+853.4	-61570.	33532.	70109.	-39.4
35	0.0	-0.00	406.3	726.7	+832.6	-60371.	33140.	68869.	-61.9
36	10.0	-5.14	389.0	690.2	+792.3	-57495.	31845.	65726.	-83.0
37	20.0	-10.28	362.5	637.1	+733.0	-53025.	29664.	60759.	-102.1
38	30.0	-15.43	327.8	570.9	+658.3	-47317.	26733.	54347.	-117.8
39	40.0	-20.57	287.2	495.5	+572.7	-40820.	23263.	46984.	-130.1
40	50.0	-25.71	242.8	414.7	+480.6	-33939.	19500.	39143.	-139.0
41	60.0	-30.85	196.9	332.7	+386.6	-27114.	15677.	31320.	-144.3
42	70.0	-36.00	151.3	252.9	+294.7	-20649.	11995.	23880.	-146.1
43	80.0	-41.14	108.0	177.7	+208.0	-14757.	8601.	17081.	-145.0
44	90.0	-46.28	68.8	109.8	+129.6	-9570.	5620.	11098.	-140.6
45	100.0	-51.42	34.2	50.0	+60.6	-5145.	3098.	6006.	-134.5
46	110.0	-56.56	4.9	-1.7	+5.2	-1383.	1040.	1731.	-122.3
47	120.0	-61.71	-20.2	-44.7	-49.1	1691.	-713.	1836.	-102.4
48	130.0	-66.85	-40.6	-77.1	-87.1	3902.	-2110.	4436.	-80.9
49	140.0	-71.99	-54.6	-99.6	-113.5	5340.	-2985.	6117.	-65.1
50	150.0	-77.13	-63.4	-113.4	-130.0	6142.	-3459.	7049.	-54.2
51	160.0	-82.28	-68.4	-121.3	-139.3	6533.	-3678.	7497.	-44.7
52	170.0	-87.42	-70.3	-123.8	-142.4	6589.	-3714.	7563.	-36.2
53	180.0	-92.56	-70.2	-123.4	-142.0	6462.	-3636.	7415.	-28.7
54	190.0	-97.70	-68.5	-120.7	-138.8	6192.	-3476.	7101.	-22.5
55	200.0	-102.84	-66.5	-117.2	-134.8	5890.	-3298.	6750.	-17.6
56	210.0	-107.99	-64.4	-113.5	-130.5	5540.	-3120.	6358.	-13.3
57	220.0	-113.13	-63.0	-109.7	-126.5	5153.	-2983.	5954.	-9.6
58	230.0	-118.27	-62.0	-108.3	-124.8	4986.	-2875.	5756.	-7.4
59	240.0	-123.41	-61.6	-107.8	-124.2	4866.	-2803.	5615.	-5.5
60	250.0	-128.55	-61.6	-107.7	-124.1	4772.	-2754.	5510.	-4.0
61	260.0	-133.70	-61.6	-107.7	-124.0	4695.	-2706.	5419.	-2.4
62	270.0	-138.84	-61.8	-107.8	-124.3	4633.	-2673.	5349.	-.9
63	280.0	-143.98	-61.8	-107.7	-124.2	4565.	-2634.	5270.	.3
64	290.0	-149.12	-61.7	-107.2	-123.7	4489.	-2598.	5187.	1.6
65	300.0	-154.27	-61.2	-106.1	-122.5	4404.	-2551.	5089.	3.0

65	300.0	-154.27	-61.2	-106.1	-122.5	4400.	-2551.	5086.	1.6 2.7
66	310	-159.41	-60.4	-104.4	120.6	4290.	-2490.	4960.	3.8

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CHEST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
67	320.0	-164.55	-59.1	-102.0	-117.9	4162.	-2413.	4811.	5.3
68	330.0	-169.69	-57.3	-98.6	-114.0	3997.	-2315.	4620.	7.0
69	340.0	-174.83	-55.3	-94.4	-109.4	3808.	-2225.	4410.	8.8

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	414.2120 KIPS
Y SHEAR FORCE =	746.1377 KIPS
RESULTANT SHEAR FORCE =	853.4009 KIPS
X MUDLINE MOMENT =	-61570.1077 FT-KIPS
Y MUDLINE MOMENT =	33531.6468 FT-KIPS
RESULTANT MUDLINE MOMENT =	70108.8404 FT-KIPS
Z VERTICAL FORCE =	-39.4163 KIPS

6000 REMOTE BATCH

UNITED COMPUTING 67, APEX/SL B.6.0

15.11.13. 07/19/76.

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PPPPPPPPPPP   UU        UU  YY        YY  ZZZZZZZZZZZZ  EEEEEEEEEEEE  YY        YY  PPPPPPPPPPP
PPPPPPPPPPPP  UU        UU  YY        YY  ZZZZZZZZZZZZ  EEEEEEEEEEEE  YY        YY  PPPPPPPPPPPP
PP        PP  UU        UU  YY        YY  Z          ZZ  EE            YY        YY  PP        PP
PP        PP  UU        UU  YY        YY            ZZ  EE            YY        YY  PP        PP
PP        PP  UU        UU  YY        YY           ZZ   EE            YY        YY  PP        PP
PP        PP  UU        UU  YY        YY          ZZ    EE            YY        YY  PP        PP
PPPPPPPPPPPP  UU        UU  YYY      YYY         ZZ     EE            YYY      YYY  PPPPPPPPPPPP
PPPPPPPPPPP   UU        UU   YYY    YYY      ZZZZZZZZ   EEEEEEEE       YYY    YYY   PPPPPPPPPPP
PP            UU        UU    YYY  YYY         ZZ      EEEEEEEE       YYY  YYY    PP
PP            UU        UU     YYYY           ZZ       EE              YYYY      PP
PP            UU        UU      YY           ZZ        EE               YY       PP
PP            UU        UU      YY          ZZ         EE               YY       PP
PP            UU        UU      YY         ZZ          EE               YY       PP
PP            UU        UU      YY        ZZ       Z  EE               YY       PP
PP            UUUUUUUUUUUU      YY        ZZZZZZZZZZZZ  EEEEEEEEEEEE   YY       PP
PP             UUUUUUUUUU       YY        ZZZZZZZZZZZZ  EEEEEEEEEEEE   YY       PP
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57 FT Wave Height

13.2 sec Wave Period

4.3 fps Surface Current
(2.5 knot)

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                    SEALOAD-2

          DEVELOPED BY SYNERCOM TECHNOLOGY, INC.
                  HOUSTON, TEXAS
                RELEASE 2  MOD 12
                    JULY 1976
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
    1  COEF    12.    0.74        1.34
    2           24.    0.74        1.34
    3           36.    0.74        1.34
    4           48.    0.74        1.34
    5           72.    0.74        1.34
    6  END     144.0   0.74        1.34
    7  VCUR                1.0     0.4
    8                     11.2      .8
    9                     22.4     1.1
   10                     33.7     1.2
   11                     44.9     1.4
   12                     56.1     1.7
   13                     67.3     1.8
   14                     78.5     2.0
   15                     89.8     2.1
   16                    101.0     2.4
   17  END               112.2     2.5
   18  U.S. NAVY - ACHR STRUCTURES  -- MLW 105 FT
   19                          57 FT WAVE HEIGHT
   20                        C. CHERN
   21                             JULY, 1976
   22                             27-771-01
   23  STRAN   I 600360360100II                    DF  I    00  I  570  11220 132  3 11
   24  END
```

**** C O E F F I C I E N T T A B L E R E P O R T ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
12.000	.7400	-0.0000	1.3400
24.000	.7400	-0.0000	1.3400
36.000	.7400	-0.0000	1.3400
48.000	.7400	-0.0000	1.3400
72.000	.7400	-0.0000	1.3400
144.000	.7400	-0.0000	1.3400

U.S. NAVY - ACHR STRUCTURES -- MLW 105 FT

57 FT WAVE HEIGHT

C. CHERN

JULY, 1976

27-771-01

INPUT UNITS
....ENGLISH

OUTPUT UNITS
....ENGLISH

**** STOKES WAVE CONSTANTS REPORT ****

WAVE HEIGHT =	57.000	FT
MEAN WATER DEPTH =	112.200	FT
WAVE PERIOD =	13.200	SEC
WAVE LENGTH =	755.890	FT
WAVE CELERITY =	57.262	FT/SEC
D/L =	.148434	
LAMHDA =	.20843	

BETA =	.00831
CU2 =	23.542731
A11 =	.93123023
A13 =	-2.2176312
A15 =	-4.6633405
A22 =	.28200677
A24 =	-.34206241
A33 =	.41631941E-01
A35 =	.35083528
A44 =	-.80504281E-02
A55 =	-.54225464E-02
B22 =	1.5719553
B24 =	1.2865437
B33 =	2.4717313
B35 =	6.9977525
B44 =	4.3667914
B55 =	8.4723560
C1 =	2.7132101
C2 =	21.094594
C3 =	-.15865725
C4 =	.26698187

D1 TO D5	9.8594854	1.3291460	.88469563E-01	-.34803876E-02	-.61075395E-03
E1 TO E5	25.075211	8.5079400	3.0238165	.99152762	.40097056

WAVE PROFILE TABLE

THETA=	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
X(FT)=	0.0	21.0	42.0	63.0	84.0	105.0	126.0	147.0	168.0	189.0	210.0	231.0	252.0	273.0	294.0	315.0	336.0	356.9	377.9
DEPTH(FT)=	150.2	148.5	143.9	137.3	130.1	123.2	117.2	112.2	108.1	104.7	101.8	99.5	97.7	96.4	95.4	94.6	93.9	93.4	93.2

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 1 WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-360.0	171.45	-50.4	-85.3	- 99.1	3306.	-1940.	3833.	11.6
2	-350.0	166.69	-46.9	-78.5	- 91.4	3033.	-1801.	3528.	13.3
3	-340.0	161.93	-42.4	-70.7	- 82.4	2728.	-1621.	3173.	14.7
4	-330.0	157.17	-37.7	-61.9	- 72.5	2384.	-1428.	2779.	16.4
5	-320.0	152.40	-32.2	-52.4	- 61.5	2010.	-1218.	2350.	17.9
6	-310.0	147.64	-26.5	-42.0	- 49.7	1603.	-985.	1882.	19.9
7	-300.0	142.88	-20.3	-30.8	- 36.9	1159.	-737.	1374.	21.7
8	-290.0	138.12	-13.5	-18.2	- 22.6	638.	-459.	786.	23.7
9	-280.0	133.35	-6.0	-5.5	- 8.1	112.	-145.	183.	25.5
10	-270.0	128.59	1.7	8.1	+ 8.2	-455.	176.	488.	27.6
11	-260.0	123.83	10.0	22.8	+ 24.9	-1084.	526.	1205.	29.4
12	-250.0	119.06	18.2	37.2	+ 41.4	-1746.	898.	1964.	33.9
13	-240.0	114.30	27.3	52.5	+ 59.2	-2465.	1319.	2796.	37.9
14	-230.0	109.54	36.4	68.2	+ 77.3	-3279.	1752.	3718.	41.2
15	-220.0	104.78	45.4	84.8	+ 96.2	-4169.	2226.	4726.	44.8
16	-210.0	100.01	54.6	101.2	+115.0	-5135.	2705.	5823.	48.9
17	-200.0	95.25	64.0	118.4	+134.6	-6193.	3295.	7015.	53.3
18	-190.0	90.49	74.1	136.9	+ 155.6	-7389.	3913.	8361.	58.2
19	-180.0	85.73	85.3	157.4	+179.0	-8774.	4649.	9929.	63.2
20	-170.0	80.96	98.4	182.0	+206.9	-10516.	5575.	11902.	71.0
21	-160.0	76.20	113.8	211.9	+240.5	-12704.	6682.	14354.	79.5
22	-150.0	71.44	132.3	246.5	+279.8	-15251.	8051.	17245.	87.0
23	-140.0	66.68	153.8	288.0	+326.5	-18411.	9645.	20784.	96.2
24	-130.0	61.91	179.1	336.9	+381.5	-22243.	11573.	25074.	109.3
25	-120.0	57.15	209.4	392.2	+444.6	-26669.	13978.	30110.	122.7
26	-110.0	52.39	242.4	450.7	+511.8	-31362.	16640.	35503.	127.9
27	-100.0	47.63	275.3	512.0	+581.3	-36361.	19251.	41143.	125.5
28	-90.0	42.86	310.2	576.5	+654.7	-41748.	22085.	47229.	119.4
29	-80.0	38.10	346.1	642.3	+729.6	-47424.	25092.	53653.	109.5
30	-70.0	33.34	382.3	708.0	+804.6	-53337.	28238.	60351.	95.9

32	-36.7	23.81	430.2	774.4	+883.7	-55042.	34557.	73452.	37.4
33	-40.0	19.05	478.5	878.5	+1000.4	-62926.	37431.	79579.	34.7

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1 — WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
34	-30.0	14.29	500.7	915.2	+1043.2	-74432.	39843.	84425.	9.1
35	-20.0	9.53	514.7	937.9	+1069.9	-77523.	41572.	87966.	-17.7
36	-10.0	4.76	518.8	949.0	+1081.5	-79905.	42380.	90448.	-46.1
37	0.0	-0.00	518.2	929.2	+1063.9	-78732.	43099.	89757.	-72.2
38	10.0	-4.76	502.7	883.4	+1016.4	-74716.	42180.	85799.	-96.8
39	20.0	-9.53	465.0	818.4	+941.2	-68786.	38499.	78827.	-117.9
40	30.0	-14.29	423.7	740.6	+853.2	-61770.	34768.	70883.	-135.5
41	40.0	-19.05	376.3	651.6	+752.4	-53822.	30590.	61907.	-149.9
42	50.0	-23.81	324.0	555.4	+643.0	-45357.	26011.	52286.	-160.1
43	60.0	-28.58	269.1	457.2	+530.6	-36929.	21320.	42641.	-166.3
44	70.0	-33.34	214.7	361.0	+420.0	-28937.	16797.	33459.	-168.5
45	80.0	-38.10	162.6	270.2	+315.4	-21633.	12603.	25036.	-167.2
46	90.0	-42.86	114.4	187.0	+219.2	-15174.	8861.	17571.	-162.6
47	100.0	-47.63	71.3	113.3	+133.9	-9616.	5658.	11157.	-155.4
48	110.0	-52.39	34.5	49.4	+60.3	-4969.	3014.	5811.	-146.3
49	120.0	-57.15	3.6	-4.9	-6.1	-1081.	889.	1399.	-130.2
50	130.0	-61.91	-22.7	-49.1	-54.1	2006.	-913.	2204.	-106.9
51	140.0	-66.68	-43.4	-81.7	-92.5	4176.	-2287.	4761.	-83.0
52	150.0	-71.44	-57.3	-104.3	-119.0	5567.	-3121.	6382.	-66.6
53	160.0	-76.20	-66.1	-117.8	-135.1	6316.	-3569.	7255.	-54.8
54	170.0	-80.96	-70.8	-125.3	-143.9	6672.	-3766.	7661.	-48.3
55	180.0	-85.73	-72.5	-127.2	-146.4	6682.	-3784.	7680.	-35.5
56	190.0	-90.49	-71.9	-126.0	-145.0	6513.	-3682.	7481.	-27.7
57	200.0	-95.25	-69.8	-122.6	-141.0	6208.	-3498.	7125.	-21.4
58	210.0	-100.01	-67.4	-118.6	-136.4	5879.	-3302.	6743.	-16.4
59	220.0	-104.78	-64.9	-114.5	-131.6	5530.	-3105.	6342.	-12.5
60	230.0	-109.54	-63.3	-110.8	-127.6	5165.	-2959.	5953.	-9.3
61	240.0	-114.30	-62.1	-108.4	-124.9	4915.	-2839.	5677.	-6.9
62	250.0	-119.06	-61.7	-107.7	-124.1	4789.	-2763.	5529.	-5.5
63	260.0	-123.83	-61.6	-107.6	-124.0	4697.	-2713.	5424.	-4.2
64	270.0	-128.59	-61.9	-108.1	-124.6	4641.	-2676.	5357.	-3.1

65	280.	-133.35	-62.2	-106.7	125.3	4593.	-2652.	5304.	-2.0
66	290.	-138.12	-62.6	-109.2	125.9	4554.	-2627.	5257.	-.8

****** WAVE POSITION SUMMARY REPORT ******

LOAD CONDITION 1

WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
67	300.0	-142.88	-62.9	-109.8	-126.5	4523.	-2609.	5221.	.1
68	310.0	-147.64	-63.1	-109.9	-126.7	4481.	-2587.	5175.	1.1
69	320.0	-152.40	-63.1	-109.6	-126.5	4426.	-2562.	5114.	2.0
70	330.0	-157.17	-62.8	-108.8	-125.7	4357.	-2520.	5033.	2.6
71	340.0	-161.93	-62.1	-107.5	-124.1	4273.	-2472.	4937.	3.4
72	350.0	-166.69	-61.1	-105.3	-121.7	4157.	-2412.	4806.	4.7
73	360.0	-171.45	-59.6	-102.4	-118.5	4020.	-2337.	4650.	6.1

**** L O A D S U M M A R Y R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 60.000

X SHEAR FORCE =	518.7518 KIPS
Y SHEAR FORCE =	949.0100 KIPS
RESULTANT SHEAR FORCE =	1081.5375 KIPS
X MUDLINE MOMENT =	-79905.1935 FT-KIPS
Y MUDLINE MOMENT =	42379.7094 FT-KIPS
RESULTANT MUDLINE MOMENT =	90448.2157 FT-KIPS
Z VERTICAL FORCE =	-46.0527 KIPS

DTIC

END

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