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Nomenclature

A	rotor disk area, $A = \pi R^2$, square feet (ft^2)
Cpp	vibratory pitch-link load coefficient, $C_{pp} = \frac{eP_{LL}}{\frac{1}{2}\rho c^2 R(\Omega R)^2}$
C_w	aircraft weight coefficient, $C_w = \frac{W}{\frac{1}{2}\rho A(\Omega R)^2}$
C_w/σ	ratio of aircraft weight coefficient to solidity
c	blade chord of main rotor, ft
cm	center of mass
EA	blade radial stiffness, pounds (lb)
EI_{xx}	blade flatwise stiffness, lb-ft^2
EI_{zz}	blade edgewise stiffness, lb-ft^2
e	pitch horn offset from blade feathering axis, ft
e_f	radial location of effective flap hinge on tail rotor, ft
GJ	blade torsional stiffness, lb-ft^2
I_{xx},I_{zz}	area moments of inertia with respect to X- and Z-axes, slug-ft
K_x,K_z	blade flatwise and edgewise radii of gyration, $K_x = \sqrt{\frac{I_{xx}}{m}}$ and $K_z = \sqrt{\frac{I_{zz}}{m}}$
m	blade sectional mass, slug/ft
N	number of main-rotor blades
P_{LL}	half peak-to-peak magnitude of the pitch-link load, lb
R	main-rotor radius, ft
R_L	blade leading-edge radius, ft
R_T	tail-rotor radius, ft
σ	main-rotor solidity, $\sigma = \frac{NcR}{A}$
t	blade thickness, ft
V	true airspeed, knots (kt)
W	aircraft weight, lb
X,Y,Z	coordinate system referring to main rotor
X_F,Y_F,Z_F	coordinate system referring to fuselage
x,y	coordinates referring to airfoil contour
γ_f	flap stiffness coefficient of tail rotor, $\gamma_f = \sqrt{1 + \frac{3e_f}{2(R_T - e_f)}}$
δ_3	flap-pitch coupling, degrees (deg)
θ	blade pitch, deg
μ	advance ratio, $\mu = \frac{V}{(\Omega R)}$
ρ	air density, slug/ft^3
ρ_o	international standard atmosphere (ISA) sea-level density, slug/ft^3
ψ	blade azimuth, deg
Ω	rotor rotational speed, revolutions per minute (rpm)
$\overline{\Omega}$	ratio of rotor rotational speed to nominal rotor rotational speed, $\overline{\Omega} = \frac{\Omega}{\Omega_o}$
$\Omega_o R$	nominal rotor-tip speed, ft/sec

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Summary

This report presents the results of a series of flight tests on the Lynx XZ170 helicopter with rectangular blades. The test objectives were to explore the flight envelope and to measure the performance and structural loads of the Lynx main-rotor system. The tests were conducted as part of the British Experimental Rotor Programme (BERP) under a contract with the Ministry of Defense in England. Data were acquired for steady-level flights at five weight coefficients. Some flight conditions were tested at beyond the retreating-blade stall boundary, which was defined by a predetermined limit on the pitch-link vibratory load. In addition to documenting the flight conditions and data, this report describes the aircraft, particularly the rotor system, in detail.

Introduction

In the summer of 1985, Westland Helicopters Limited (WHL) conducted an extensive series of flight tests on a utility Lynx helicopter. The flight tests were part of the BERP demonstration program under a contract with the Ministry of Defense in England. The objectives of the flight tests were to explore the flight envelope and to create a database primarily for aircraft performance and rotor structural loads. This database can be used for the analytical and experimental study of rotor systems at high-speed and -thrust conditions, particularly with operating conditions at and beyond the retreating-blade stall boundary (defined by a predetermined load level on the control rods). Parameters measured in the test include aircraft performance, main-rotor performance, control and hub loads, and flatwise and edgewise bending moments at various locations along the main-rotor blade. In addition to presenting the reduced data, this report details the airframe, main-rotor system, and test conditions. Aircraft performance data for 38 conditions and rotor dynamic data for 27 conditions are documented. Appendix A provides additional information, including the calculated rotational frequencies of the main rotor and the measured aerodynamic characteristics of the fuselage and airfoil sections.

The work reported here was performed under the auspices of TTCP (The Technical Cooperation Program) HTP-6. The authors would like to thank R. Hansford and J. Perry of WHL and W. Warmbrodt of Ames Research Center, who initiated the project.

Lynx XZ170 Helicopter

Figure 1 shows a photograph of the Lynx XZ170 helicopter in hover. This multipurpose aircraft is powered by two GEM-4 engines through a 3-pinion gearbox transmission system. The main rotor features a hingeless hub and four metal blades with rectangular-tip planforms. The helicopter has an empty weight of 5683 lb, with a specified maximum takeoff weight of approximately 10,000 lb. It should be noted that the flight test examined a range of operating conditions corresponding to weights between 8560 and 11,920 lb and speeds up to 158 knots.

A three-view drawing in figure 2 shows the basic dimensions of the Lynx XZ170 helicopter. Table 1 lists other general characteristics, such as the aircraft center of mass, the centers of rotation of the main and tail rotors, and the main-rotor shaft angle. The position of the aircraft center of mass is assumed to be constant for all flight conditions.

The coordinate system (X_F, Y_F, Z_F) in table 1 refers to the geometrical parameters and properties of the fuselage. The origin of this fuselage coordinate system coincides with the center of the main-rotor hub, as can be seen in figure 3. Another coordinate system is introduced to describe the properties of the main-rotor system. This coordinate system, (X, Y, Z), is attached to a main-rotor blade with the Y-axis along the blade reference axis and the X- and Z-axes orthogonal to it. The blade reference axis is 1.02 inches (in.) offset from the shaft centerline and it is aligned with the blade preconed, feathering, and quarter-chord axes. Positive directions for the X- and Y-axes are toward the blade trailing edge and radially outward, respectively. Because of the built-in twist of the blade, the X- and Z-axes also rotate with the blade twist.

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The sign conventions of both the fuselage and the blade coordinates are depicted in figure 3.

Power Train

The helicopter is powered by two 800-horsepower (hp) engines through a 3-pinion gearbox transmission system, as shown in figure 4. In figure 5 components of the transmission system are assigned with nodes for modeling. Table 2 presents estimates of the torsional stiffnesses and inertial properties for each node in figure 5(b). All rotational speeds listed in table 2 are rated at 102.5 percent (%) of the nominal main-rotor speed.

Main-Rotor System

The main rotor features a hingeless hub and four metal blades with rectangular-tip planforms; the radius is 21 ft and the nominal tip speed is 700 feet per second (ft/sec). Figure 6 depicts the main-rotor hub with the blade sleeve, lead-lag damper, pitch-control rod, and spider arm. A top-view drawing of the hub without the blade sleeve is seen in figure 7. A torque offset of 1.02 inches exists between the blade reference axis and the hub centerline. Table 3 lists the general characteristics of the main rotor, including the blade chord, root cutout, torque offset, rotor solidity, blade mass, and moment of inertia.

The main-rotor collective and cyclics are controlled through the spindle, as shown in figure 8. The vertical motion of the spindle controls the rotor collective; the pitching and rolling motions of the spindle about the gimbal joint control the rotor cyclics. Figures 9 and 10 depict the collective- and cyclic-control systems, respectively. Tables 4 and 5 present the flexibility and inertial properties of the collective- and cyclic-control systems with respect to the blade reference axis. Although the kinematics of longitudinal and lateral cyclic-control systems are very similar, their inertial and flexibility properties are different.

Each main-rotor blade is equipped with an hydraulic lead-lag damper, which is located outboard of the pitch bearing. The attachment points of the damper are at radial stations 31.81 and 53.9 inches. The inner and outer attachment points are respectively 5.0 and 1.8 inches aft of the reference axis. Table 6 lists the damper force as a function of damper velocity at one per revolution.

The profiles of the main-rotor blade are constructed from three airfoil sections: NPL9618 at the 28.6% radial station, NPL9615 at the 85% radial station, and NPL9617 at the blade tip. The profile for the rest of the blade is interpolated between two sections at their respective radial stations. The contours of these airfoil sections are tabulated in table 7 and plotted in figure 11.

The structural properties of the blade (such as sectional mass, center-of-mass offset, and elastic-center offset) are presented in table 8(a), and the blade stiffness properties (such as edgewise (EI_{ZZ}), flatwise (EI_{XX}), radial (EA), and torsional (GJ) stiffnesses) are given in table 8(b). Table 8(c) presents the blade sectional radii of gyrations about the X- and Z-axes. The blade has built-in twist from the 21.43% radial station to the tip. This twist distribution is listed in table 9 and plotted in figure 12.

Tail-Rotor System

The tail rotor has a flap hinge 2.61 inches from the center of rotation. The rotor radius is 3.625 ft with a nominal tip speed of 700 ft/sec. Table 10 lists the general characteristics of the tail rotor. The NPL9615 sectional profile was used for the tail-rotor blade.

Flight Conditions

The flight test conditions are tabulated in table 11 according to flight number and condition code. Each condition code corresponds to an advance ratio for the indicated flight. All aircraft parameters are presented in the report; hub and blade parameters for the main rotor, however, are presented only for conditions with a check mark (√).

All flight conditions and the retreating-blade stall boundary, which is defined by the coefficient of the vibratory pitch-link load at $C_{PP} = 0.013$, are plotted in figure 13. The pitch-link load was measured at the spider arm.

Instrumentation Systems

Measured Parameters

Data from each flight condition consist of three groups of parameters—the aircraft, the main-rotor hub, and the main-rotor blade. The aircraft parameters include atmospheric conditions, aircraft trim conditions, and aircraft performance; the hub parameters include rotor-shaft torque, blade pitch, control loads, and hub bending moments at four radial stations; and the rotor parameters include blade flatwise and edgewise bending moments at four radial stations. The hub and rotor parameters were measured on the same blade, and both time history and harmonic content of these parameters are presented in the Data Reduction and Presentation section.

The aircraft parameters documented in this report are listed below. Note that two of the parameters are calculated from other measurements: total power (from measured torque of the two engines) and total weight (from fuel consumption).

Aircraft parameters–

- Pressure altitude, ft
- Outside air temperature, degrees Fahrenheit (°F)
- Air density ratio
- True airspeed, knots
- Main-rotor rotational speed Ω, rpm
- Aircraft weight W, lb
- Ratio of aircraft weight coefficient to solidity, C_W/σ
- Advance ratio, μ
- Total engine power, horsepower (hp)
- Aircraft rate of climb, feet per minute (ft/min)
- Aircraft pitch attitude, deg
- Aircraft roll attitude, deg

Thirteen hub parameters were recorded in the flight test. The flatwise bending moment is defined as positive when the lower surface of the blade is in tension. The edgewise bending moment is defined as positive when the blade leading edge is in tension. The collective- and cyclic-control loads were measured by the collective-beam lever and cyclic-control rods in the nonrotating frame . These loads, as well as the spider-arm load, are defined as positive when in tension. The blade feathering angle was calibrated by a Vernier scale, and the angle measurement is referenced to the blade root at the 21.43% radial station ($\theta_{0.75} = \theta_{0.2143} - 4.29°$). The damper force is defined as positive when in compression.

Hub parameters–

- Flatwise bending at 3.2%R, in.-lb
- Edgewise bending at 6.8%R, in.-lb
- Flatwise bending at 14.2%R, in.-lb.
- Edgewise bending at 14.2%R, in.-lb
- Flatwise bending at 19.54%R, in.-lb
- Edgewise bending at 19.54%R, in.-lb
- Collective-control load, lb
- Longitudinal cyclic-control load, lb
- Lateral cyclic-control load, lb
- Blade feathering angle, deg
- Lead-lag damper load, lb
- Rotor-shaft torque, in.-lb
- Spider-arm load, lb

The blade parameters consist of four pairs of flatwise and edgewise bending moments along the blade span. The measurement units and sign conventions are the same as those of the hub bending moments. Figure 14 summarizes the locations of bending-moment gauges for the hub and the blade.

Blade parameters–

- Flatwise bending at 31%R, in.-lb
- Edgewise bending at 31%R, in.-lb
- Flatwise bending at 48%R, in.-lb
- Edgewise bending at 48%R, in.-lb
- Flatwise bending at 64%R, in.-lb
- Edgewise bending at 64%R, in.-lb
- Flatwise bending at 81%R, in.-lb
- Edgewise bending at 81%R, in.-lb

Data-Acquisition System

Measurements for the aircraft, main-rotor hub, and main-rotor blade were simultaneously digitized and recorded by the Multiplex On-board Data Acquisition System (MODAS) for approximately 20 seconds. The aircraft parameters were sampled at 70.62 hertz (Hz) for 1412 data points. The hub and blade parameters were sampled at 1129.93 Hz for about 22,592 data points (approximately 213 samples per revolution and 106 revolutions for each parameter).

Data Reduction and Presentation

Although MODAS recorded over 100 revolutions of data for hub and blade parameters, the data-reduction process used only the middle 80 revolutions. Throughout a given flight, the helicopter was maintained at a constant weight coefficient C_W/σ. Whenever possible, a steady-level flight condition was maintained for three minutes throughout the data-acquisition process. However, maintaining level flight was difficult at some test conditions near the stall boundary; hence these flights lasted only 30 seconds. The procedures used in reducing the aircraft parameters and

the hub and blade parameters were different. Whereas the average value of each aircraft parameter was obtained from the MODAS traces off a strip-chart recorder, the mean and vibratory values of the hub and blade parameters were calculated by using the following procedures.

1. Remove data that are contaminated by high noise level.

2. Calculate the mean value of data for each revolution.

3. Calculate the vibratory values by removing the mean value of data for each revolution.

4. Average the mean and vibratory data from the 11th to the 90th revolution (at the same azimuthal position).†

5. Apply discrete Fourier transform to the averaged vibratory data.

6. Discard the Fourier coefficients that are above 20 harmonics.

In order to reconstruct the data in the time domain, the following equation can be applied to the Fourier coefficients.

$$F(\Psi) = C_o + \sum_{n=1}^{20} C_n COS(n\Psi) + S_n SIN(n\Psi)$$

where C_o is the averaged mean, C_n and S_n are the cosine and sine coefficients of the nth harmonic, and Ψ is the blade azimuth with 0° at the tail position.

The data presentation is organized according to the flight number and condition code described above. The aircraft parameters are presented in appendix B. The collective pitch is calculated from the average mean value of the feathering-angle measurement in the hub parameter list; the cyclic pitches are extracted from the first harmonic coefficients of the Fourier transform. In appendix C, the hub and blade parameters are tabulated as Fourier coefficients with 20 harmonics. The averaged mean and half peak-to-peak values are also presented in appendix C.

Appendix D presents the time-history plots of the hub and blade parameters. The averaged data, which are reproduced from 20 harmonics, are plotted together with the maximum and minimum values from all 80 revolutions at the same azimuth. The averaged data are also compared with the raw data at the 50th revolution (selected arbitrarily).

Because of instrumentation problems, the following hub and blade parameters are missing in Flight 487. (A value of zero is assigned to these parameters in the printout.)

- Lateral cyclic-control load
- Main-rotor shaft torque
- Blade edgewise bending moment at 48%R
- Blade edgewise bending moment at 81%R

On the basis of the harmonic analysis, it is believed that the cyclic pitches of the feathering-angle measurement are incorrect for Flight 487 condition H because of the incorrect time-history phase (see appendices B, C, and D). In appendix D the averaged vibratory data are compared with the maximum and minimum data from all 80 revolutions at the same azimuth. The average vibratory data closely follow the bandwidth of maximum and minimum data. Overall, the quality of vibratory data obtained in the flight test was good; however, the mean values of all hub and blade bending moments are suspect because centrifugal loading causes sensitivity of the mean measurements to chordwise locations of the gauges.

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†Some vibratory data at the same azimuthal position do not have 80 averages because of the data processing in step 1.

Table 1. General characteristics of the Lynx XZ170 helicopter

Main-rotor hub location	
X_F	0
Y_F	0
Z_F	0
Center-of-gravity location	
X_F, in.	–0.39
Y_F	0
Z_F, ft	7.169
Tail-rotor hub location	
X_F, ft	–25.13
Y_F, ft	–1.640
Z_F, ft	1.289
Shaft angle	
Main rotor, positive tilt backward, deg	–4
Tail rotor	0
Aircraft center location of aerodynamic loads	
X_F, in.	–0.39
Y_F	0
Z_F, ft	4.806
Tail plane	
Half span, ft	5.827
Root chord, ft	2.454
Tip chord, ft	1.312
Incidence, positive pitch up, deg	–1
Dihedral, deg	0
Airfoil	NACA0013
Vertical tail	
Root chord, ft	4.757
Sectional airfoil profile	NACA23019

Table 2. Three-pinion gearbox transmission system

(a) Shaft torsional stiffnesses

Node no.	Node no.	Speed, revolutions per minute (rpm)	Torsional stiffness, foot-pound/radian (ft-lb/rad)	Node no.	Node no.	Speed, rpm	Torsional stiffness, ft-lb/rad
44	40	326	9.0676E + 05	33	34	4309	1.4641E + 03
45	40	326	1.0284E + 06	35	36	3670	5.4941E + 03
46	40	326	3.4997E + 06	37	47	1885	7.8238E + 04
40	8	326	5.3559E + 06	49	47	1885	1.9237E + 05
5	41	2489	1.8152E + 04	13	73	6164	5.3894E + 03
6	42	2489	1.8152E + 04	73	51	6164	7.7070E + 04
7	43	2489	1.8152E + 04	73	1	6164	6.7354E + 03
41	9	2489	1.3448E + 07	14	2	6164	1.8824E + 05
43	11	2489	1.3448E + 07	2	52	6164	6.3157E + 03
42	10	2489	1.3448E + 07	15	17	9153	4.6651E + 03
41	3	2489	1.2313E + 06	16	18	9153	4.6651E + 03
42	4	2489	1.2313E + 06	20	23	5299	4.7329E + 04
43	32	2489	2.1709E + 06	55	53	27738	2.0998E + 03
38	32	2489	7.6156E + 06	56	54	27738	2.0998E + 03
39	50	14351	9.0425E + 03	19	22	5230	4.7329E + 04

(b) Inertial properties

Node no.	Inertia, slug-ft^2	Speed, rpm	Node no.	Inertia, slug-ft^2	Speed, rpm
1	7.9716E – 03	6164	29	1.2994E – 04	6833
2	7.8661E – 03	6164	30	1.2994E – 04	6833
3	5.8297E – 02	2489	31	1.3947E – 04	6492
4	5.8297E – 02	2489	32	1.1431E – 02	2489
5	2.2399E – 03	2489	33	1.3624E – 02	4309
6	2.2399E – 03	2489	34	2.0194E – 03	4309
7	2.2399E – 03	2489	35	3.2349E – 03	3670
8	1.0145E + 00	326	36	1.6577E – 03	3670
9	1.2343E – 02	2489	37	7.8808E – 03	1885
10	1.2343E – 02	2489	38	6.4122E – 03	2489
11	1.2343E – 02	2489	39	1.1347E – 05	14351
12	2.0724E – 01	1072	40	2.0172E + 01	326
13	4.1744E – 04	6164	41	2.4194E – 03	2489
14	4.0963E – 04	6164	42	2.4194E – 03	2489
15	1.2166E – 04	9153	43	1.5592E – 03	2489
16	1.2166E – 04	9153	44	1.8567E + 03	326
17	1.4975E – 04	9153	45	4.8900E + 01	326
18	1.5785E – 04	9153	46	3.1457E + 01	326
19	5.7942E – 04	5230	47	4.5456E – 02	1885
20	5.7942E – 04	5299	49	2.7076E + 00	1885
21	4.9392E – 05	6712	50	8.6545E – 04	14351
22	6.0195E – 04	5299	51	3.8722E – 03	6164
23	6.0195E – 04	5299	52	3.7763E – 03	6164
24	4.0678E – 04	4899	53	7.3756E – 11	27738
25	4.0969E – 04	4899	54	7.3756E – 11	27738
26	4.8917E – 04	4637	55	2.6266E – 02	27738
27	5.9041E – 03	8376	56	2.6266E – 02	27738
28	5.9041E – 03	8376	73	7.3756E – 11	6164

Table 3. General main-rotor characteristics

Number of blades	4
Nominal tip speed, ft/sec	700
Direction of rotation, viewed from top	Counterclockwise
Radius, ft	21
Chord, ft	1.296
Root cutout, ft	5.943
Torque offset, positive forward of the shaft centerline, in.	1.024
Rotor solidity	0.07858
Blade mass, slug	6.208
1^{st} mass moment of inertia, reference (ref.): hub centerline, slug-ft	40.60
2^{nd} mass moment of inertia, ref.: hub centerline, slug-ft^2	489.58
Mass polar inertia, ref.: Y-axis, slug-ft^2	0.3301
Precone angle relative to hub plane, positive up, deg	3
Feathering axis relative to precone	
Droop angle, deg	0
Sweep angle, deg	0
Blade angle at 12.52%R for level pitch horn, deg	13.75
Pitch-bearing radial location, ft	2.123
Pitch horn, located forward of the pitch axis	
Radial location, in.	10.63
Length, in.	5.41
Hydraulic lead-lag damper	
Outer attachment point	
Radial location, ft	4.495
Aft of pitch axis, in.	1.8
Inner attachment point	
Radial location, ft	2.646
Aft of pitch axis, in.	5.0
Airfoil sectional profile	
At r/R = 0.286	NPL9618
At r/R = 0.85	NPL9615
At r/R = 1.0	NPL9617

Table 4. Flexibility and inertial properties of the collective-control system

Component description	Flexibility, rad/in.-lb	Inertia, lb-in.^{2}
Ground A	0.208E – 06	—
Collective servo unit (at 4/rev)	3.710E – 06	144.516
Bearing A	0.034E – 06	—
Jack lever	1.194E – 06	23.740
Bearing B	0.173E – 06	—
Bearing C	0.038E – 06	—
Forked link	—	7.216
Bearing D	0.173E – 06	—
Collective-beam lever	1.249E – 06	13.848
Bearing F	0.406E – 06	—
Bearing E	0.406E – 06	—
Ground at E and C	1.618E – 06	—
Bearing G	0.300E – 06	—
Spindle	—	154.0
Spider arm	2.090E – 06	131.0
Bearing H	0.079E – 06	—
Pitch-control rod	—	101.272
Bearing I	0.079E – 06	—
Pitch-change arm	0.120E – 06	111.388

Table 5. Flexibility and inertial properties of cyclic-control system

Component description	Flexibility, rad/in.-lb	Inertia, lb-in.^{2}
(a) Longitudinal		
Ground A	0.220E – 06	—
Longitudinal cyclic servo unit (at 4/rev)	2.970E – 06	140.0
Bearing A	0.038E – 06	—
Jack lever	0.805E – 06	34.116
Bearing B	0.070E – 06	—
Bearing D	0.008E – 06	—
Control rod	—	93.464
Ground at B	0.350E – 06	—
Bearing G	0.910E – 06	—
Spindle	3.040E – 06	249.38
Spider arm	2.090E – 06	47.924
Bearing H	0.079E – 06	—
Pitch-control rod	—	101.272
Bearing I	0.079E – 06	—
Pitch-change arm	0.120E – 06	111.388
(b) Lateral		
Ground A	0.082E – 06	—
Lateral cyclic servo unit (at 4/rev)	1.289E – 06	357.0
Bearing A	0.015E – 06	—
Jack lever	0.431E – 06	37.068
Bearing B	0.038E – 06	—
Bearing D	0.008E – 06	—
Control rod	—	93.464
Ground at B	0.190E – 06	—
Bearing G	0.910E – 06	—
Spindle	3.040E – 06	249.38
Spider arm	2.090E – 06	47.924
Bearing H	0.079E – 06	—
Pitch-control rod	—	101.272
Bearing I	0.079E – 06	—
Pitch-change arm	0.120E – 06	111.388

Table 6. Lead-lag damper force as a function of velocity at one per revolution

Velocity, in./sec	Force, lb	Velocity, in./sec	Force, lb
0.00	0	1.40	1420
0.08	600	1.60	1450
0.16	900	1.80	1470
0.24	1030	2.00	1490
0.32	1120	2.20	1510
0.40	1210	2.40	1530
0.48	1250	2.60	1550
0.56	1280	2.80	1570
0.64	1300	3.00	1590
0.72	1320	3.20	1620
0.80	1330	3.40	1640
0.88	1340	3.60	1660
1.00	1360	3.80	1680
1.20	1390	4.00	1700

Table 7. Airfoil contours. (a) NPL9618 airfoil*

Upper surface				Lower surface	
x/c	y/c	x/c	y/c	x/c	y/c
0.00000	–0.01813	0.48210	0.06970	0.00000	–0.01813
0.00100	–0.01010	0.52920	0.06610	0.00020	–0.02123
0.00200	–0.00693	0.57630	0.06190	0.00080	–0.02403
0.00443	–0.00206	0.62340	0.05710	0.00190	–0.02761
0.00586	0.00001	0.67040	0.05160	0.00330	–0.03053
0.00857	0.00356	0.71760	0.04580	0.00560	–0.03372
0.01357	0.00862	0.76460	0.03940	0.00890	–0.03690
0.01726	0.01185	0.81170	0.03280	0.01300	–0.03996
0.02172	0.01544	0.85880	0.02560	0.01840	–0.04207
0.02589	0.01848	0.90950	0.01810	0.02360	–0.04533
0.03065	0.02168	0.95290	0.01010	0.02900	–0.04699
0.03602	0.02500	0.97650	0.00600	0.04330	–0.05019
0.04209	0.02841	1.00000	0.00170	0.04985	–0.05137
0.04905	0.03195			0.05900	–0.05291
0.05297	0.03378			0.07232	–0.05500
0.05723	0.03567			0.09030	–0.05761
0.06183	0.03759			0.10055	–0.05902
0.06682	0.03956			0.11098	–0.06036
0.07227	0.04156			0.13182	–0.06287
0.07828	0.04388			0.15269	–0.06519
0.08152	0.04467			0.17355	–0.06723
0.08495	0.04614			0.19444	–0.06905
0.08858	0.04683			0.21532	–0.07063
0.09244	0.04795			0.23624	–0.07197
0.09656	0.04909			0.25715	–0.07306
0.10098	0.05026			0.27806	–0.07391
0.10574	0.05145			0.29899	–0.07454
0.11076	0.05269			0.31990	–0.07487
0.11622	0.05396			0.34090	–0.07500
0.12239	0.05529			0.36420	–0.07490
0.12928	0.05669			0.41150	–0.07350
0.13688	0.05815			0.43510	–0.07250
0.14520	0.05965			0.48210	–0.06970
0.15403	0.06118			0.52920	–0.06610
0.16378	0.06271			0.57630	–0.06190
0.17425	0.06422			0.62340	–0.05710
0.18544	0.06574			0.67040	–0.05160
0.19734	0.06715			0.71760	–0.04580
0.20995	0.06855			0.76460	–0.03940
0.22356	0.06988			0.81170	–0.03280
0.23700	0.07087			0.85880	–0.02560
0.23094	0.07200			0.90950	–0.01810
0.26450	0.07300			0.95290	–0.01010
0.28333	0.07397			0.97650	–0.00600
0.31750	0.07487			1.00000	–0.00170
0.34090	0.07500				
0.36420	0.07490				
0.41150	0.07350				
0.43510	0.07250				

*Note: t/c = 0.15 and leading-edge radius $R_L/c = 0.0275$.

Table 7. Continued. (b) NPL9615 airfoil*

Upper surface				Lower surface	
x/c	y/c	x/c	y/c	x/c	y/c
0.00000	–0.01366	0.48210	0.05250	0.00000	–0.01366
0.00443	0.00155	0.52920	0.04980	0.00020	–0.01600
0.00586	0.00001	0.57630	0.04660	0.00080	–0.01810
0.00857	0.00268	0.62340	0.04300	0.00190	–0.02080
0.01359	0.00649	0.67040	0.03890	0.00330	–0.02300
0.01726	0.00893	0.71760	0.03450	0.00560	–0.02540
0.02172	0.01163	0.76460	0.02970	0.00890	–0.02780
0.02589	0.01392	0.81170	0.02470	0.01300	–0.03010
0.03065	0.01633	0.85880	0.01930	0.01840	–0.03245
0.03602	0.01883	0.90590	0.01360	0.02360	–0.03415
0.04209	0.02140	0.95290	0.00760	0.02900	–0.03540
0.04905	0.02407	0.97650	0.00450	0.03535	–0.03652
0.05297	0.02545	1.00000	0.00130	0.03884	–0.03709
0.05723	0.02687			0.04330	–0.03781
0.06183	0.02832			0.04985	–0.03870
0.06682	0.02980			0.05900	–0.03989
0.07227	0.03131			0.07232	–0.04143
0.07828	0.03306			0.09030	–0.04340
0.08152	0.03365			0.10055	–0.04446
0.08495	0.03476			0.11098	–0.04547
0.08858	0.03528			0.13182	–0.04736
0.09244	0.03612			0.15269	–0.04911
0.09656	0.03698			0.17355	–0.05065
0.10098	0.03786			0.19444	–0.05202
0.10574	0.03876			0.21532	–0.05321
0.11076	0.03969			0.23624	–0.05422
0.11622	0.04065			0.25715	–0.05504
0.12239	0.04165			0.27806	–0.05568
0.12928	0.04271			0.29899	–0.05615
0.13688	0.04381			0.31990	–0.05640
0.14520	0.04494			0.34090	–0.05650
0.15403	0.04609			0.36420	–0.05640
0.16378	0.04724			0.41150	–0.05540
0.17425	0.04838			0.43510	–0.05460
0.18544	0.04950			0.48210	–0.05250
0.19734	0.05059			0.52920	–0.04980
0.20995	0.05164			0.57630	–0.04660
0.22358	0.05264			0.62340	–0.04300
0.23700	0.05339			0.67040	–0.03890
0.25094	0.05424			0.71760	–0.03450
0.26450	0.05499			0.76460	–0.02970
0.28333	0.05565			0.81170	–0.02470
0.31750	0.05640			0.85880	–0.01930
0.34090	0.05650			0.90590	–0.01360
0.36420	0.05640			0.95290	–0.00760
0.41150	0.05540			0.97650	–0.00450
0.43510	0.05460			1.00000	–0.00130

*Note: t/c = 0.113, and leading-edge radius R_L/c = 0.01883 with center at x/c = 0.01883 and y/c = –0.0137. Profile is circular for 40° of arc on the upper surface, then joins smoothly with NACA 0012 shape at x/c = 0.28333 on the upper surface and at x/c = 0.3409 on the lower surface.

Table 7. Concluded. (c) NPL9617 airfoil*

Upper surface				Lower surface	
x/c	y/c	x/c	y/c	x/c	y/c
0.00000	–0.01269	0.48210	0.04880	0.00000	–0.01269
0.00443	–0.00144	0.52920	0.04630	0.00020	–0.01487
0.00586	0.00001	0.57630	0.04330	0.00080	–0.01682
0.00857	0.00249	0.62340	0.04000	0.00190	–0.01933
0.01359	0.00603	0.67040	0.03610	0.00330	–0.02137
0.01726	0.00830	0.71760	0.03210	0.00560	–0.02360
0.02172	0.01081	0.76460	0.02760	0.00890	–0.02583
0.02589	0.01293	0.81170	0.02300	0.01300	–0.02797
0.03065	0.01517	0.85880	0.01790	0.01840	–0.03015
0.03602	0.01750	0.90590	0.01260	0.02360	–0.03173
0.04209	0.01988	0.95290	0.00710	0.02900	–0.03289
0.04905	0.02237	0.97650	0.00420	0.03535	–0.03393
0.05297	0.02365	1.00000	0.00120	0.04330	–0.03513
0.05723	0.02497			0.04985	–0.03596
0.06183	0.02632			0.05900	–0.03704
0.06682	0.02769			0.07232	–0.03850
0.07227	0.02909			0.09030	–0.04033
0.07828	0.03072			0.10055	–0.04131
0.08152	0.03127			0.11098	–0.04255
0.08495	0.03230			0.13182	–0.04401
0.08858	0.03278			0.15269	–0.04563
0.09244	0.03356			0.17355	–0.04706
0.09656	0.03436			0.19444	–0.04834
0.10098	0.03518			0.21532	–0.04944
0.10574	0.03602			0.23624	–0.05038
0.11076	0.03688			0.25715	–0.05144
0.11622	0.03777			0.27806	–0.05174
0.12239	0.03870			0.29899	–0.05217
0.12928	0.03969			0.31990	–0.05241
0.13688	0.04071			0.34090	–0.05250
0.14520	0.04176			0.36420	–0.05240
0.15403	0.04283			0.41150	–0.05150
0.16378	0.04390			0.43510	–0.05070
0.17425	0.04495			0.48210	–0.04880
0.18544	0.04600			0.52920	–0.04630
0.19734	0.04701			0.57630	–0.04330
0.20995	0.04798			0.62340	–0.04000
0.22358	0.04891			0.67040	–0.03610
0.23700	0.04961			0.71760	–0.03210
0.25094	0.05040			0.76460	–0.02760
0.26450	0.05110			0.81170	–0.02300
0.28333	0.05171			0.85880	–0.01790
0.31750	0.05240			0.90590	–0.01260
0.34090	0.05250			0.95290	–0.00710
0.36420	0.05240			0.97650	–0.00420
0.41150	0.05150			1.00000	–0.00120
0.43510	0.05070				

*Note: t/c = 0.105, and leading-edge radius (R_L/c) = 0.01626.

Table 8. Blade structural properties. (a) Sectional mass, center-of-mass offset, and elastic-center offset

Radial station, r/R	Sectional mass, m, slug/ft	Radial station, r/R	Sectional center-of-mass offset, X_{cm}/R^*	Radial station, r/R	Elastic-center offset, X_c/R^*
0.0000	0.7463	0.0000	0.0000E + 00	0.0000	0.0000E + 00
0.0139	0.7463	0.2143	0.0000E + 00	0.2141	0.0000E + 00
0.0139	0.7463	0.2381	−3.0794E − 04	0.2828	−4.0476E − 04
0.0278	0.6210	0.2718	−2.1548E − 04	0.3500	−7.1429E − 05
0.0556	0.4269	0.2956	−5.7540E − 04	0.4000	−3.0952E − 04
0.0635	0.3850	0.3016	−1.0385E − 03	0.4500	−5.4762E − 04
0.0675	0.3808	0.3492	1.1984E − 04	0.5000	−7.8175E − 04
0.0714	0.3766	0.3849	−1.8810E − 04	0.5500	−1.0159E − 03
0.0754	1.0262	0.4008	−4.8452E − 04	0.5992	−1.2421E − 03
0.0794	1.6757	0.4246	−1.1675E − 03	0.5992	−1.3889E − 03
0.0913	2.8280	0.4524	−1.8163E − 03	0.6500	−1.5952E − 03
0.0972	0.6806	0.4722	−2.0405E − 03	0.6786	−1.7183E − 03
0.1111	0.6806	0.4960	−2.0448E − 03	0.6786	−1.8294E − 03
0.1143	1.4165	0.5278	−1.6262E − 03	0.7000	−1.9048E − 03
0.1220	1.2403	0.5496	−9.9365E − 04	0.7500	−2.0794E − 03
0.1252	0.7937	0.5992	2.1032E − 05	0.7579	−2.1071E − 03
0.1336	0.8482	0.5992	2.2222E − 05	0.7579	−2.1627E − 03
0.1336	0.2902	0.6786	−1.4444E − 04	0.8000	−2.2976E − 03
0.1969	0.2734	0.6786	−2.4087E − 04	0.8500	−2.4563E − 03
0.2135	1.6327	0.6944	−2.8611E − 04	0.9000	−2.6032E − 03
0.2141	0.9221	0.7222	−1.7421E − 04	0.9500	−1.9524E − 03
0.2381	0.5134	0.7421	5.7143E − 05	0.9921	−2.0437E − 03
0.2381	0.5134	0.7579	1.1389E − 04		
0.3026	0.1612	0.7579	8.1349E − 05		
0.3175	0.1603	0.9008	−1.4802E − 04		
0.3175	0.1603	0.9524	−9.5000E − 04		
0.3651	0.1575	0.9524	−3.1389E − 03		
0.3651	0.1631	0.9921	−2.8468E − 03		
0.4365	0.1586				
0.4365	0.1735				
0.5131	0.1687				
0.5131	0.1537				
0.5952	0.1479				
0.5952	0.1354				
0.7579	0.1162				
0.9206	0.1097				
0.9504	0.1181				
0.9802	0.1181				
0.9802	0.7894				
0.9921	0.7894				
0.9921	0.3705				
1.0000	0.0000				

*X_{cm} and X_c are measured from the blade reference axis with positive directions toward the blade trailing edge.

Table 8. Continued. (b) Blade stiffnesses

Radial station, r/R	Edgewise stiffness, EI_{zz}, lb-ft^2	Flatwise stiffness, EI_{xx}, lb-ft^2	Radial station, r/R	Radial stiffness, EA, lb	Radial station, r/R	Torsional stiffness, GJ, lb-ft^2
0.0000	6.9444E + 09	6.9444E + 09	0.0000	6.9444E + 05	0.0000	6.9444E + 09
0.0139	6.9444E + 09	6.9444E + 09	0.2141	6.9444E + 05	0.0139	6.9444E + 09
0.0198	2.6042E + 07	3.4525E + 05	0.2828	3.1250E + 05	0.0139	6.9444E + 06
0.0278	6.2472E + 06	2.4519E + 05	0.3968	2.1740E + 05	0.0833	6.9444E + 06
0.0357	4.3047E + 06	1.5667E + 05	0.4500	2.1218E + 05	0.0833	6.9444E − 01
0.0437	2.7321E + 06	1.6097E + 05	0.5000	2.0695E + 05	0.1230	6.9444E − 01
0.0516	1.5465E + 06	1.5740E + 05	0.5500	2.0172E + 05	0.1230	2.7778E + 05
0.0606	8.8986E + 05	1.5684E + 05	0.5992	1.9650E + 05	0.1310	1.3444E + 05
0.0714	7.0092E + 05	1.7664E + 05	0.5992	1.9043E + 05	0.1353	1.2451E + 05
0.0754	8.3776E + 05	3.0159E + 05	0.6500	1.8600E + 05	0.1508	1.0928E + 05
0.0794	1.5060E + 06	1.5060E + 06	0.6786	1.8333E + 05	0.1746	8.8535E + 04
0.0873	1.5060E + 06	1.5060E + 06	0.6786	1.7882E + 05	0.1984	7.0944E + 04
0.0952	5.7008E + 05	5.7008E + 05	0.7000	1.7732E + 05	0.2075	3.1215E + 05
0.1091	5.7008E + 05	5.7008E + 05	0.7500	1.7367E + 05	0.2141	4.2833E + 05
0.1097	1.7656E + 06	1.7656E + 06	0.7579	1.7310E + 05	0.2143	5.5556E + 04
0.1190	1.5972E + 06	1.5972E + 06	0.7579	1.7100E + 05	0.2302	2.2222E + 05
0.1266	1.5060E + 06	1.5060E + 06	0.8000	1.6830E + 05	0.2460	2.2222E + 05
0.1310	3.3524E + 05	3.3524E + 05	0.8500	1.6510E + 05	0.2857	1.7361E + 05
0.1353	1.5938E + 05	1.5938E + 05	0.9000	1.6190E + 05	0.3056	1.6597E + 05
0.1508	1.3978E + 05	1.3978E + 05	0.9500	1.6993E + 05	0.3968	1.4549E + 05
0.1667	1.2251E + 05	1.2251E + 05	0.9921	1.6733E + 05	0.4500	1.3351E + 05
0.1984	1.2251E + 05	1.2251E + 05			0.5000	1.2351E + 05
0.2075	1.1413E + 06	2.9259E + 05			0.5500	1.1328E + 05
0.2141	1.2500E + 06	3.4722E + 05			0.5992	1.0293E + 05
0.2143	1.7361E + 06	1.7361E + 06			0.5992	1.0163E + 05
0.2302	2.5694E + 06	1.7361E + 06			0.6786	8.9104E + 04
0.2460	1.7361E + 06	5.5556E + 05			0.6786	8.6257E + 04
0.2857	1.6111E + 06	2.2222E + 05			0.7579	7.5826E + 04
0.3056	1.4444E + 06	1.7500E + 05			0.7579	7.4090E + 04
0.3968	1.3514E + 06	1.5347E + 05			0.9190	5.6944E + 04
0.4500	1.3059E + 06	1.4201E + 05			0.9500	5.9701E + 04
0.5000	1.2653E + 06	1.3180E + 05			0.9921	5.5451E + 04
0.5500	1.2296E + 06	1.2203E + 05				
0.5992	1.1990E + 06	1.1275E + 05				
0.5992	1.1940E + 06	1.0748E + 05				
0.6786	1.1520E + 06	9.5056E + 04				
0.6786	1.1500E + 06	9.1375E + 04				
0.7579	1.1199E + 06	8.1299E + 04				
0.7579	1.1191E + 06	7.9743E + 04				
0.9190	1.0694E + 06	6.2500E + 04				
0.9500	1.1437E + 06	6.5569E + 04				
0.9921	1.1365E + 06	6.1479E + 04				

Table 8. Concluded. (c) Blade sectional edgewise and flatwise radii of gyration

Section, r/R	Sectional radii of gyration	
	Flatwise, K_X/R	Edgewise, K_Z/R
0.0000	0.0000E + 00	0.0000E + 00
0.1252	0.0000E + 00	0.0000E + 00
0.1252	3.9683E – 03	3.9683E – 03
0.1310	3.9683E – 03	3.9683E – 03
0.1353	2.2727E – 03	1.3988E – 02
0.1746	2.0176E – 03	1.4715E – 02
0.1984	1.8697E – 03	1.5215E – 02
0.2075	1.5079E – 03	2.9786E – 03
0.2135	3.6603E – 03	6.0806E – 03
0.2141	5.0818E – 03	1.0317E – 02
0.2381	4.8003E – 03	1.0595E – 02
0.2422	4.4669E – 03	1.0166E – 02
0.3026	3.2569E – 03	1.5040E – 02
0.3175	3.2367E – 03	1.4943E – 02
0.3651	3.1681E – 03	1.4619E – 02
0.3651	3.4053E – 03	1.4674E – 02
0.4365	3.3599E – 03	1.4817E – 02
0.4365	3.3451E – 03	1.4829E – 02
0.5131	3.2328E – 03	1.4762E – 02
0.5131	3.2350E – 03	1.4721E – 02
0.5952	3.0746E – 03	1.4695E – 02
0.5952	2.7874E – 03	1.4546E – 02
0.6825	2.7499E – 03	1.4967E – 02
0.6825	2.6981E – 03	1.4967E – 02
0.7579	2.6028E – 03	1.5158E – 02
0.7579	2.5784E – 03	1.5170E – 02
0.8413	2.4680E – 03	1.5177E – 02
0.9206	2.3600E – 03	1.5330E – 02
0.9524	2.4333E – 03	1.4938E – 02
0.9524	3.0017E – 03	2.7226E – 02
0.9802	3.0017E – 03	2.7226E – 02
0.9802	1.1610E – 03	1.0531E – 02
0.9921	1.1610E – 03	1.0531E – 02
0.9921	1.6948E – 03	1.5371E – 02
1.0000	0.0000E + 00	0.0000E + 00

Table 9. Linear twist distribution of main-rotor blade

Radial section, r/R	Twist distribution, deg
0.0139	0.00
0.1252	0.00
0.1252	13.75
0.2143	13.75
1.0000	7.46

Table 10. General tail-rotor characteristics

Number of blades	4
Nominal tip speed, ft/sec	700
Direction of rotation, viewed from starboard	clockwise
Radius, ft	3.625
Chord, in.	7.09
Root cutout, ft	1.380
Rotor solidity	0.2076
Lock number	1.752
Blade mass, slug	0.1624
2nd mass moment of inertia, ref.: centerline, slug-ft^2	0.8034
Blade twist angle, deg	0
Airfoil sectional profile	NPL9615
Radial location of effective flap hinge, e_f, in.	2.61
Flap-pitch coupling, δ_3 (flap up, pitch down), deg	45
Flap stiffness, γ_f, per revolution	1.047

Table 11. Flight test conditions

	Flight (FLT)487 $C_W/\sigma = 0.14$	FLT497 $C_W/\sigma = 0.19$	FLT499 $C_W/\sigma = 0.16$	FLT503 $C_W/\sigma = 0.22$	FLT504 $C_W/\sigma = 0.24$
Condition	Advance ratio, μ				
A	0.1092	0.1941 √	0.1140	0.1640 √	0.1485 √
B	0.1502 √	0.2204	0.1589 √	0.1914	0.1741 √
C	0.1992 √	0.2423 √	0.2103	0.2049 √	0.1873 √
D	0.2445 √	0.2655	0.2573 √	0.2187	0.2023 √
E	0.2908	0.2850 √	0.3028	0.2305 √	0.2163 √
F	0.3330 √	0.3053 √	0.3291 √	0.2430 √	
G	0.3354	0.3195 √	0.3631 √	0.2565 √	
H	0.3699 √	0.3325 √		0.2696 √	
I		0.3470 √			
J		0.3585			

Figure 1. Lynx XZ170 helicopter in hover.

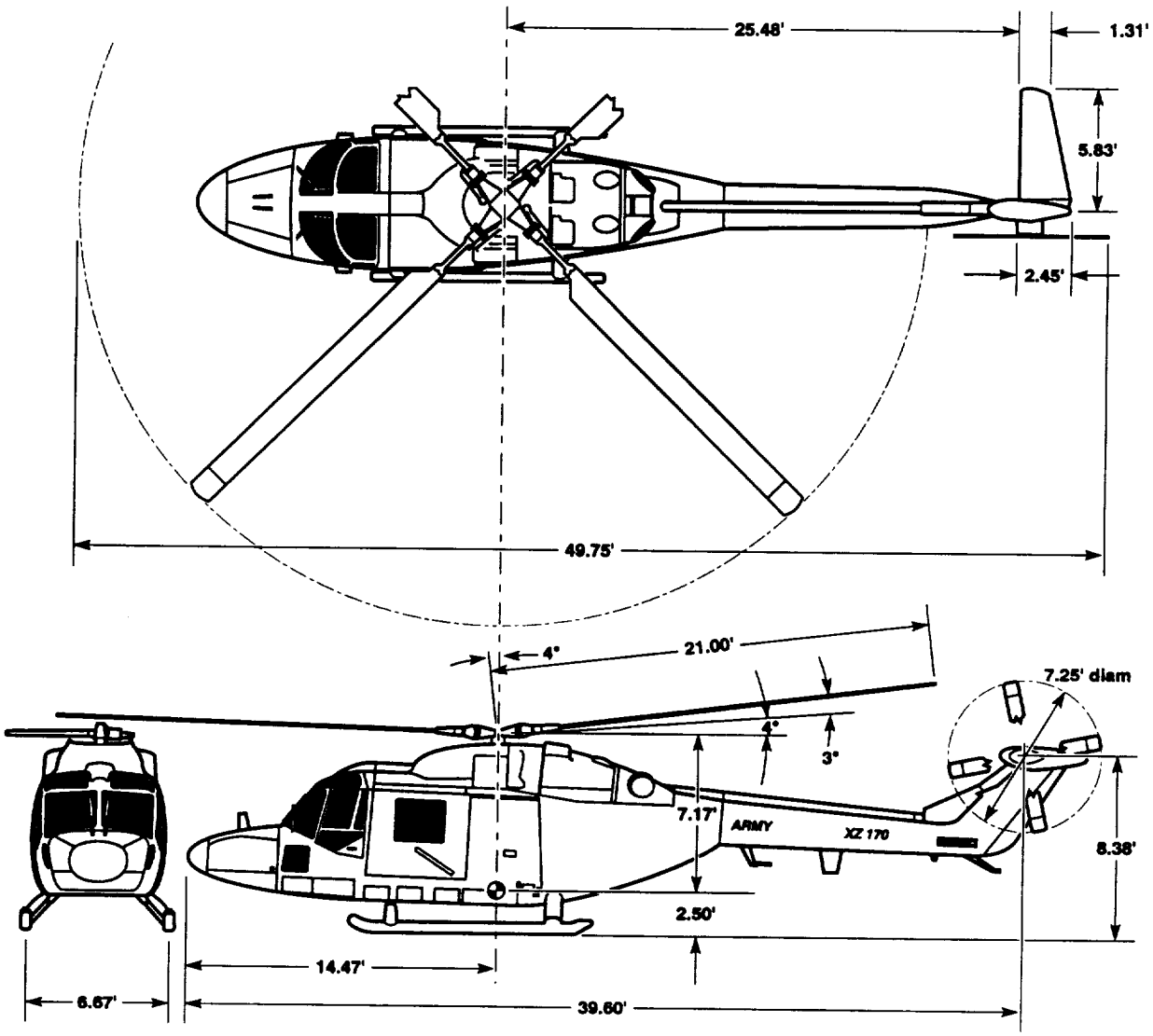


Figure 2. Three-view drawing of the Lynx XZ170 helicopter.

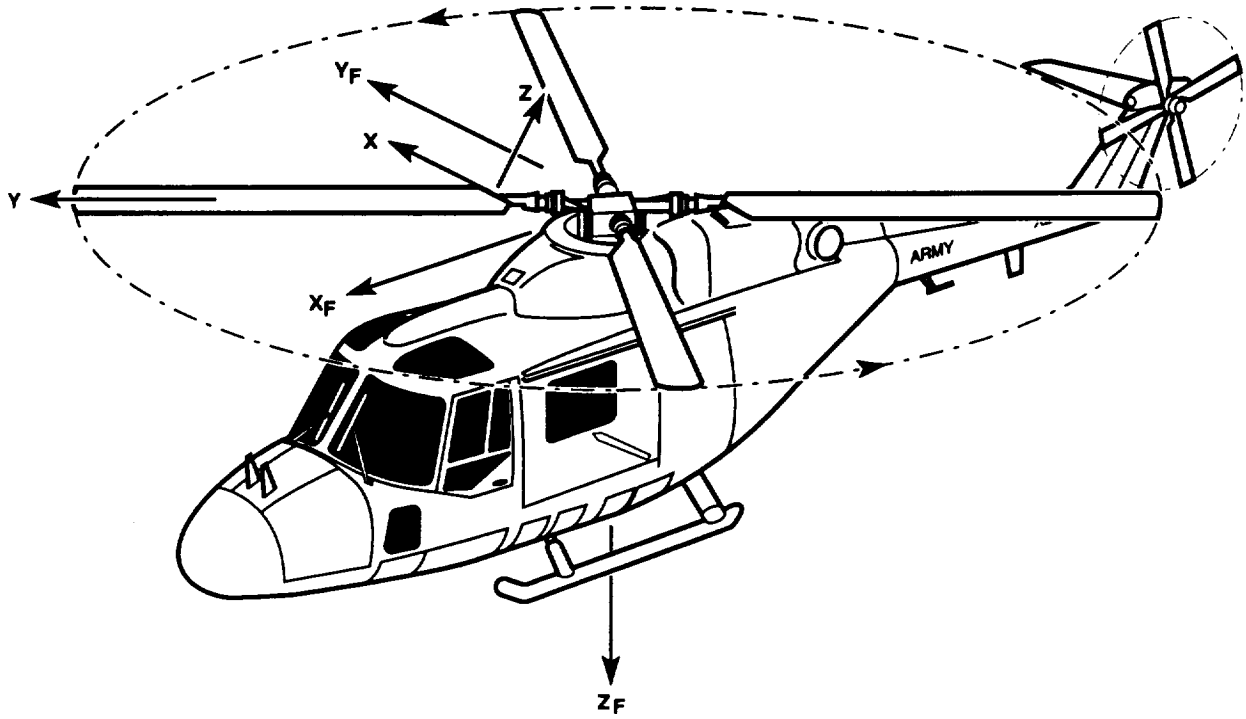


Figure 3. Fuselage and blade coordinate systems.

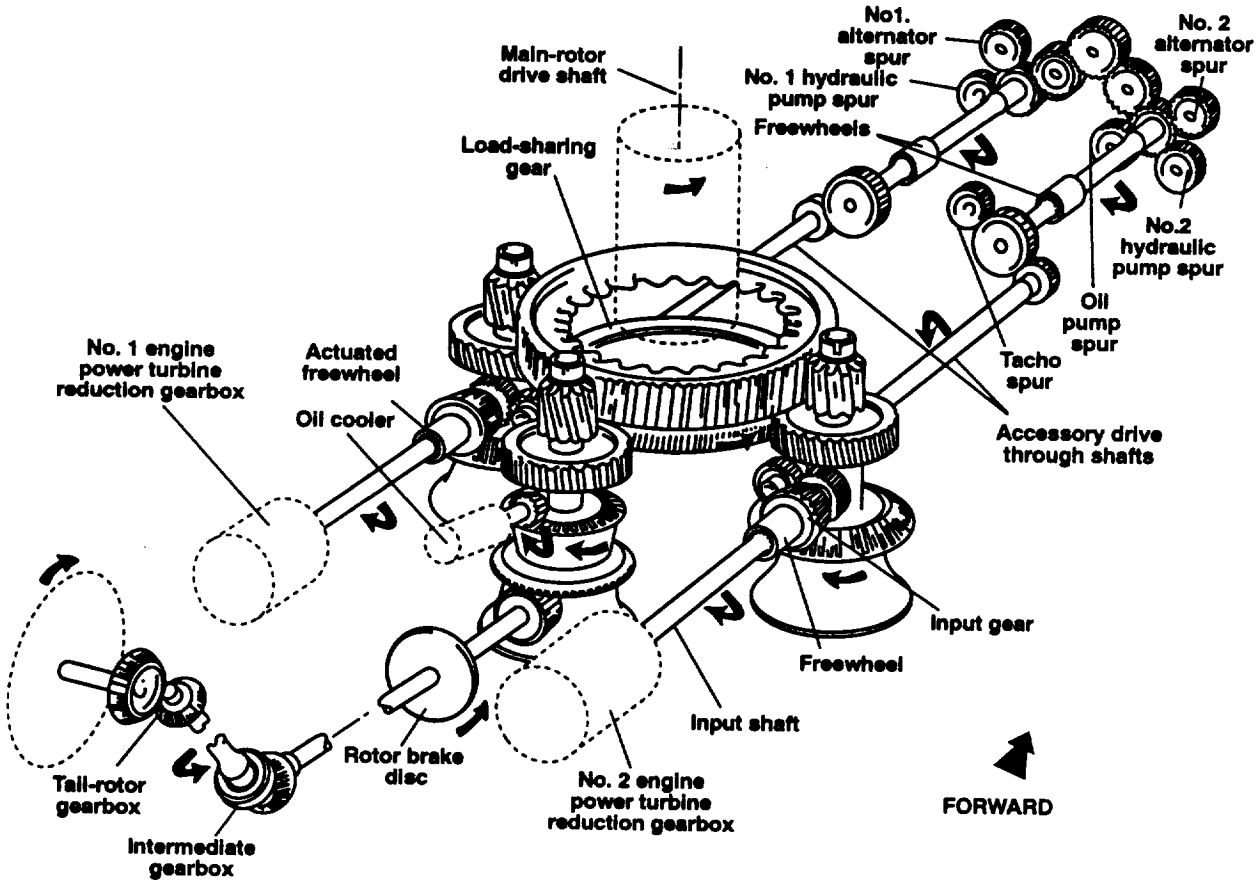


Figure 4. Three-pinion gearbox transmission system.

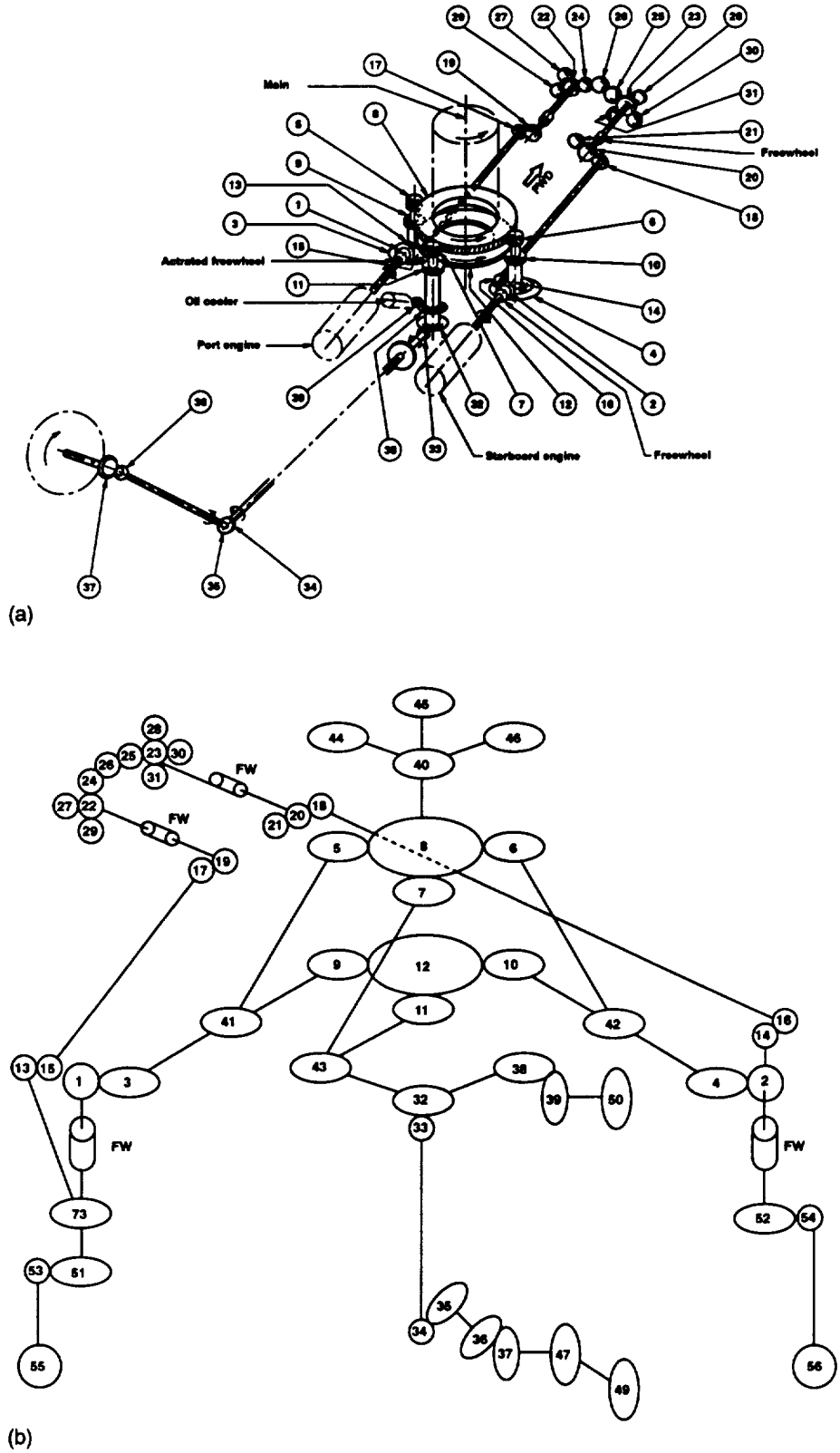


Figure 5. Transmission system. (a) Nodal assignmment. (b) Modeling.

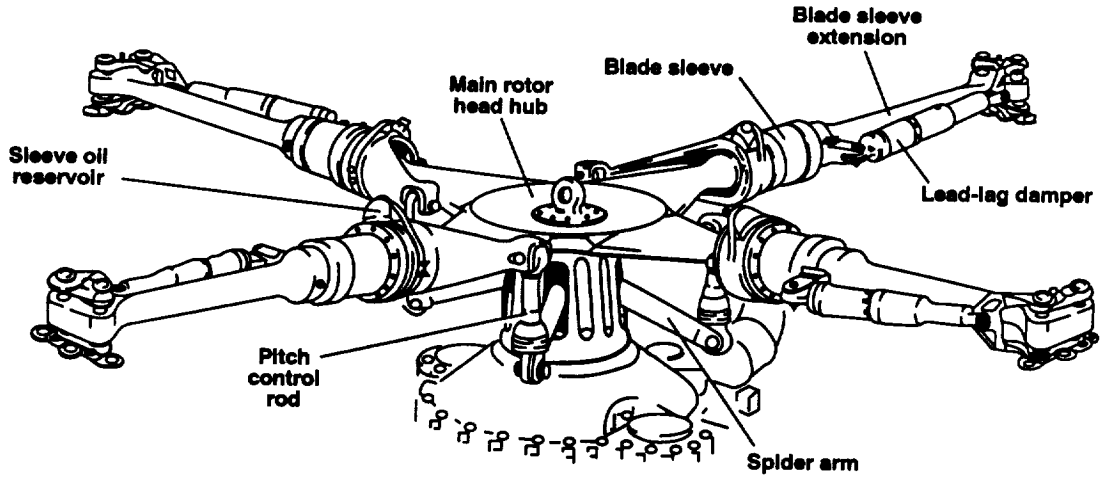


Figure 6. Main-rotor hub assembly.

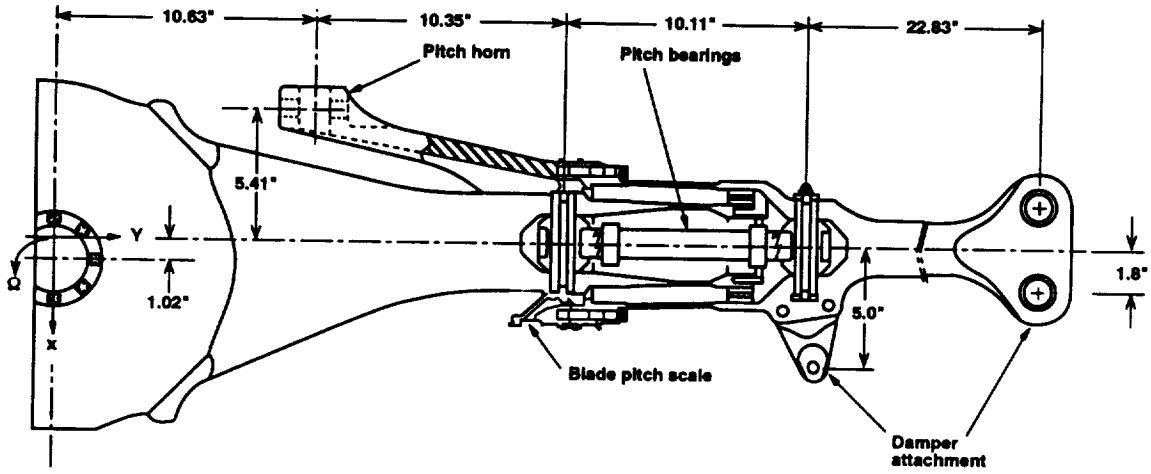


Figure 7. Main-rotor hub.

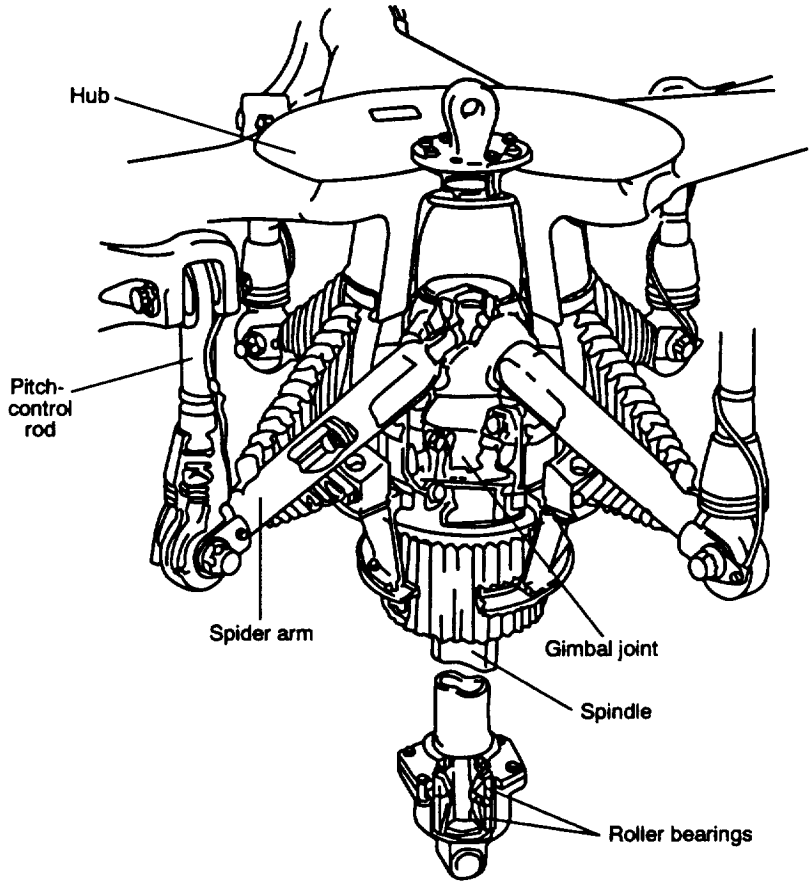


Figure 8. Main-rotor pitch-control mechanism.

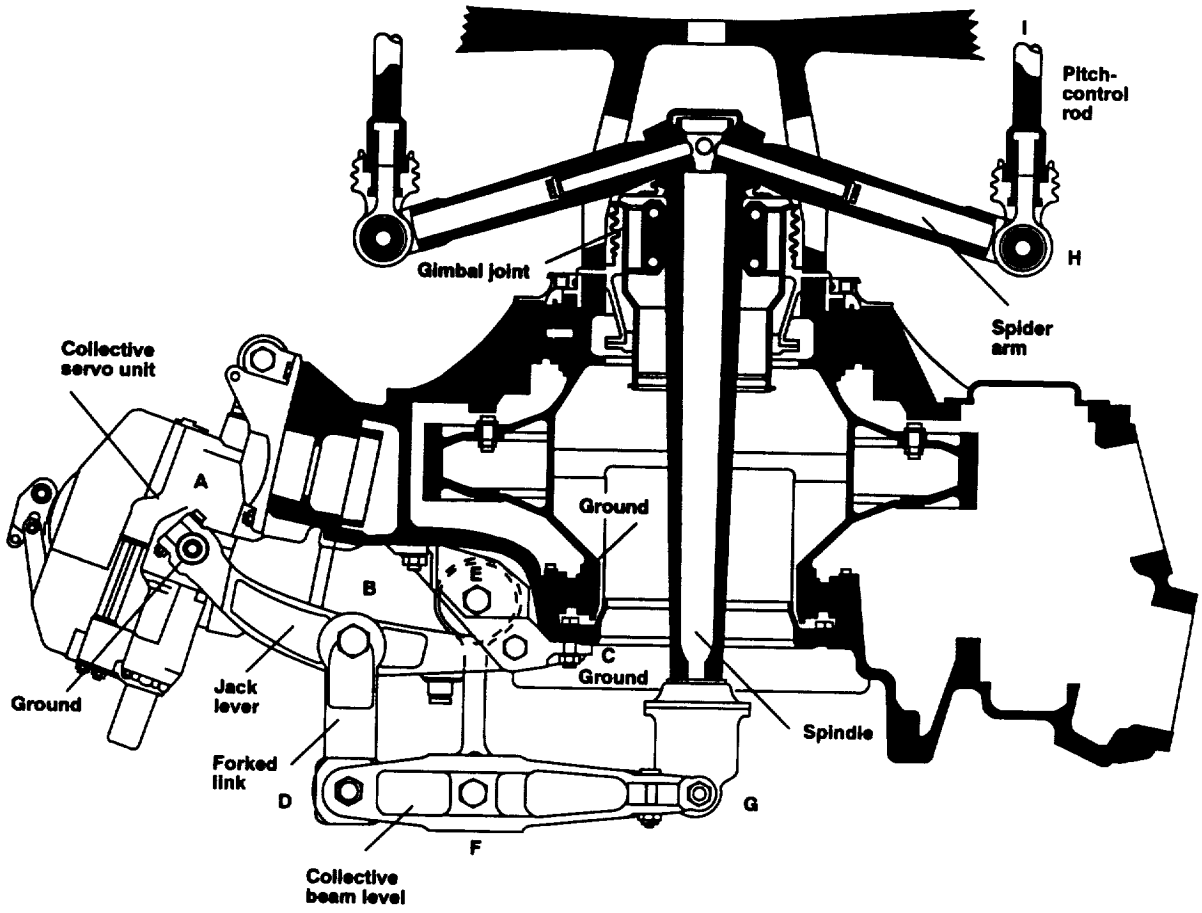


Figure 9. Main-rotor collective-control system. Letters refer to table 4.

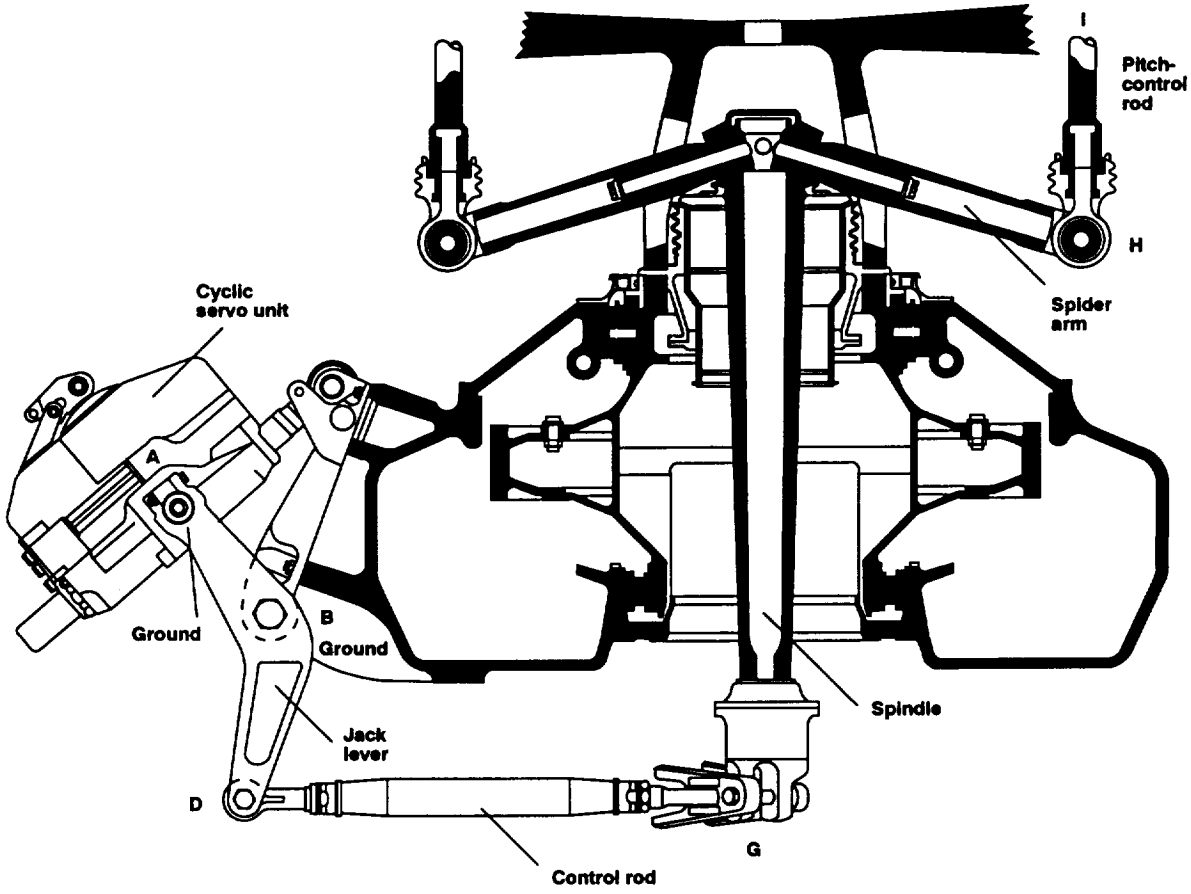


Figure 10. Main-rotor cyclic-control system. Letters refer to table 5.

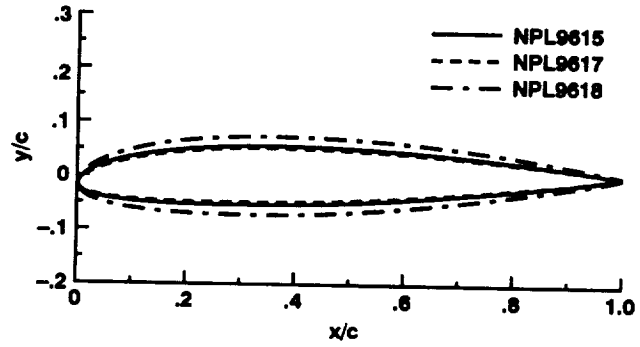


Figure 11. Contours of blade airfoil sections NPL9618, NPL9615, and NPL9617.

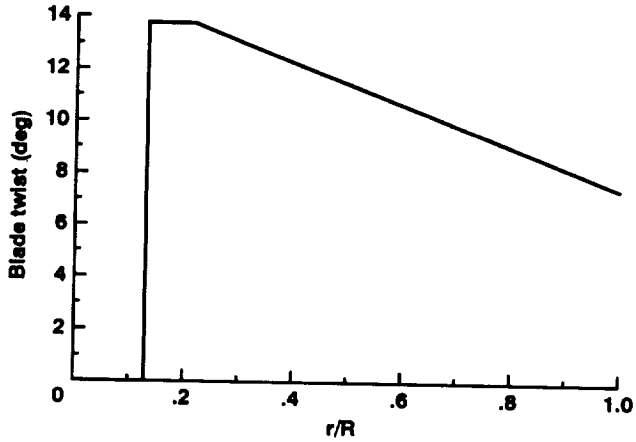


Figure 12. Twist distribution of the main-rotor blade.

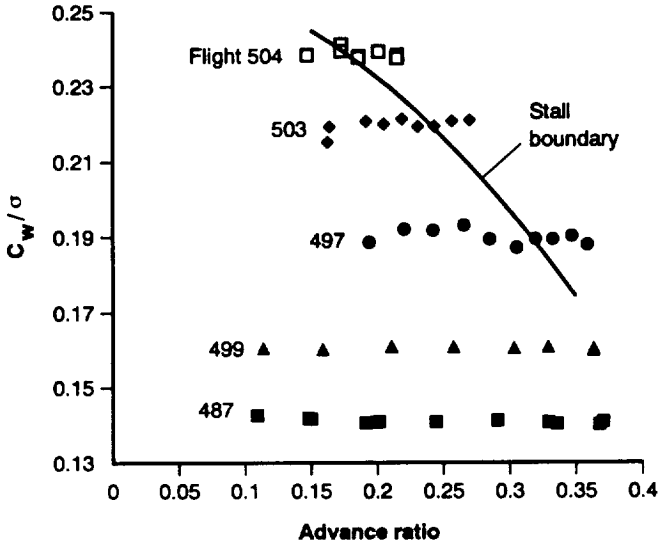


Figure 13. Summary of the flight test conditions.

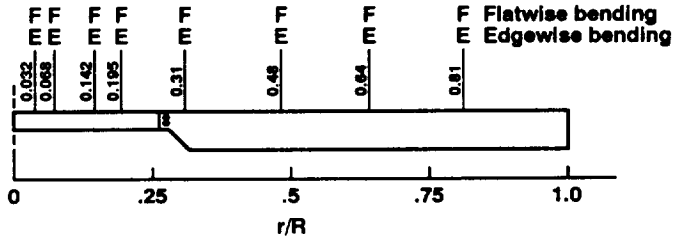


Figure 14. Measurement locations of the edgewise and flatwise bending moments on the main-rotor blade.

Appendix A

The Lynx XZ170 Helicopter

The Lynx XZ170 Helicopter

This appendix provides information about the aerodynamic characteristics of the fuselage and the airfoil. In addition, the calculated rotational frequencies of the main rotor are presented. Although these data are not part of the flight test results, they are essential for a complete description of the Lynx XZ170 helicopter in correlation studies.

Aerodynamic Characteristics of the Fuselage

The fuselage aerodynamic coefficients were obtained from a wind-tunnel test of a 1/5-scale model at 11.89 lb/ft^2 with 0° sideslip angle. The fuselage model included the main-rotor hub without blades. The tests were conducted in a wind tunnel at Westland Helicopters Limited. Table A1 presents the aerodynamic coefficients as a function of fuselage angle of attack for two configurations: with and without the tail plane installation. These coefficients include lift, drag, side force, and pitching, yawing, and rolling moments. The center of action of aerodynamic load is 4.806 feet below and 0.394 inch forward of the hub center of the main rotor. Directions of positive loads are shown in figure A1.

Airfoil Characteristics

The three airfoil sections (NPL9615, NPL9617, and NPL9618) were tested in the 36-by-14-inch Transonic Wind Tunnel at the National Physical Laboratory in England. For each airfoil section, tables A2 to A4 list the aerodynamic coefficients as functions of blade angle of attack (α) and free-stream Mach number (M). The aerodynamic coefficients in tables A3 and A4 were obtained from static test data, but the data in table A2 were reconstructed from dynamic test data (Holton, 1992). The blade angle of attack is defined as the angle between the free stream and the chord line.

Rotational Frequencies of the Main Rotor

The rotating frequencies of the main-rotor blade were calculated in vacuo with Westland's J134 analysis (King, 1978). Figure A2 shows the calculated blade frequencies plotted as a function of rotor speeds. At the nominal rotor speed, the calculated frequency is 0.646 per revolution for the first lag mode and 5.936 per revolution for the first torsional mode.

Table A1. Fuselage aerodynamic coefficients

α, deg	Lift, ft^2	Drag, ft^2	Side force, ft^2	Pitch, ft^3	Yaw, ft^3	Roll, ft^3
(a) Coefficients for model with tail plane installation						
21.0	18.764	16.619	1.850	−53.045	−6.308	−23.583
18.0	15.694	14.945	1.505	−58.579	9.310	−22.590
15.0	13.204	13.793	1.623	−74.844	−9.731	−20.858
12.0	9.546	12.548	1.657	−68.209	−11.909	−16.770
9.0	6.930	11.842	0.690	−67.183	−13.213	−9.773
6.0	4.062	11.447	0.622	−70.908	−14.155	−6.367
3.0	0.849	11.110	0.488	−58.629	−14.971	−0.875
0.0	−1.901	11.060	0.572	−51.606	−17.124	4.373
−3.0	−5.265	11.749	0.774	−34.441	−21.093	10.866
−6.0	−9.924	12.103	0.606	0.572	−24.483	19.479
−9.0	−14.130	12.675	0.715	24.794	−30.278	27.023
−12.0	−17.511	13.768	0.606	36.468	−34.752	36.930
−15.0	−19.966	15.559	0.723	31.211	−31.405	38.024
−18.0	−21.632	17.990	0.252	12.288	−23.709	33.028
−21.0	−23.936	20.286	−0.782	−36.098	−12.742	32.439
(b) Coefficients for model without tail plane installation						
21.0	11.093	14.500	1.951	145.795	−19.386	−7.174
18.0	8.823	13.356	1.682	121.716	−19.193	−5.433
15.0	6.703	12.725	1.463	89.992	−18.495	−4.399
12.0	4.525	12.103	1.489	58.242	−18.966	−3.381
9.0	3.364	11.590	0.723	24.071	−17.847	−0.168
6.0	1.564	11.295	0.597	−8.688	−18.503	0.429
3.0	0.294	10.967	0.463	−42.817	−17.098	1.194
0.0	−0.833	10.934	0.488	−75.997	−18.377	2.195
−3.0	−2.237	11.421	0.614	−109.184	−22.809	3.886
−6.0	−4.188	11.783	0.412	−137.384	−25.643	6.039
−9.0	−6.434	12.161	0.513	−161.522	−30.942	9.108
−12.0	−8.368	12.893	0.681	−183.364	−39.857	16.072
−15.0	−10.412	14.289	1.161	−204.987	−48.209	19.529
−18.0	−13.095	15.526	1.489	−224.727	−56.661	27.948
−21.0	−16.207	17.208	1.161	−245.576	−61.606	35.029

Table A2. Coefficients for NPL9618 airfoil. (a) Lift coefficient

α, deg	Mach					
	0.3	0.4	0.5	0.6	0.7	0.8
–5.0	–0.4828	–0.5087	–0.5345	–0.5732	–0.5147	–0.1839
–4.0	–0.3803	–0.4000	–0.4209	–0.4502	–0.5138	–0.1462
–3.0	–0.2778	–0.2913	–0.3073	–0.3272	–0.3910	–0.1086
–2.0	–0.1753	–0.1826	–0.1937	–0.2042	–0.2483	–0.0709
–1.0	–0.0728	–0.0739	–0.0801	–0.0812	–0.1056	–0.0333
0.0	0.0297	0.0348	0.0335	0.0418	0.0371	0.0054
1.0	0.1322	0.1435	0.1471	0.1648	0.1798	0.0431
2.0	0.2347	0.2522	0.2607	0.2878	0.3225	0.0807
3.0	0.3372	0.3609	0.3743	0.4108	0.4652	0.1184
4.0	0.4397	0.4696	0.4879	0.5338	0.5143	0.1560
5.0	0.5422	0.5783	0.6015	0.6568	0.5152	0.1937
6.0	0.6447	0.6870	0.7151	0.7798	0.5160	0.2313
7.0	0.7472	0.7957	0.8287	0.8406	0.5169	0.2690
8.0	0.8497	0.9044	0.9423	0.8222	0.5194	0.3066
9.0	0.9522	1.0130	1.0140	0.8037	0.5475	0.3443
10.0	1.0550	1.1220	0.9178	0.7853	0.5756	0.3819
11.0	1.1570	1.0800	0.8217	0.7669	0.6037	0.4196
12.0	1.1130	0.8306	0.7607	0.7618	0.6318	0.4572
13.0	0.8378	0.8018	0.7815	0.7827	0.6599	0.4949
14.0	0.8526	0.8215	0.8024	0.8035	0.6879	0.5325
15.0	0.8702	0.8412	0.8232	0.8244	0.7160	0.5702
16.0	0.8879	0.8608	0.8441	0.8452	0.7441	0.6078
17.0	0.9055	0.8805	0.8650	0.8661	0.7722	0.6454
18.0	0.9232	0.9002	0.8858	0.8869	0.8003	0.6831
19.0	0.9409	0.9199	0.9067	0.9077	0.8284	0.7207
20.0	0.9585	0.9395	0.9275	0.9286	0.8564	0.7584

Table A2. Continued. (b) Drag coefficient

α, deg	Mach					
	0.3	0.4	0.5	0.6	0.7	0.8
−5.0	0.0105	0.0110	0.0114	0.0123	0.3055	0.1047
−4.0	0.0105	0.0107	0.0109	0.0115	0.1937	0.0862
−3.0	0.0105	0.0105	0.0106	0.0110	0.1084	0.0677
−2.0	0.0105	0.0103	0.0104	0.0106	0.0496	0.0492
−1.0	0.0105	0.0102	0.0102	0.0104	0.0173	0.0307
0.0	0.0105	0.0102	0.0102	0.0104	0.0112	0.0170
1.0	0.0105	0.0103	0.0103	0.0105	0.0308	0.0352
2.0	0.0105	0.0104	0.0105	0.0109	0.0769	0.0534
3.0	0.0105	0.0106	0.0108	0.0113	0.1494	0.0716
4.0	0.0105	0.0109	0.0112	0.0120	0.2485	0.0898
5.0	0.0105	0.0112	0.0117	0.0165	0.3741	0.1080
6.0	0.0106	0.0116	0.0123	0.0317	0.5261	0.1262
7.0	0.0116	0.0122	0.0132	0.0577	0.7047	0.1444
8.0	0.0140	0.0151	0.0183	0.0945	0.8957	0.1626
9.0	0.0178	0.0210	0.0286	0.1420	0.8801	0.1808
10.0	0.0229	0.0299	0.0444	0.2004	0.8644	0.1990
11.0	0.0293	0.0418	0.0655	0.2695	0.8488	0.2172
12.0	0.0371	0.0566	0.0913	0.3254	0.8332	0.2354
13.0	0.0462	0.0828	0.1174	0.3383	0.8176	0.2536
14.0	0.0765	0.1110	0.1436	0.3512	0.8020	0.2718
15.0	0.1069	0.1393	0.1698	0.3641	0.7864	0.2900
16.0	0.1374	0.1676	0.1960	0.3770	0.7707	0.3082
17.0	0.1679	0.1958	0.2222	0.3900	0.7551	0.3264
18.0	0.1983	0.2241	0.2484	0.4029	0.7395	0.3446
19.0	0.2288	0.2523	0.2746	0.4158	0.7239	0.3628
20.0	0.2593	0.2806	0.3008	0.4287	0.7083	0.3810

Table A2. Concluded. (c) Pitching-moment coefficient

α, deg	Mach					
	0.3	0.4	0.5	0.6	0.7	0.8
–5.0	–0.0226	–0.0228	–0.0239	–0.0301	–0.0184	0.0050
–4.0	–0.0219	–0.0222	–0.0232	–0.0263	–0.0252	0.0011
–3.0	–0.0213	–0.0216	–0.0226	–0.0248	–0.0274	–0.0029
–2.0	–0.0207	–0.0210	–0.0220	–0.0240	–0.0282	–0.0068
–1.0	–0.0201	–0.0203	–0.0213	–0.0233	–0.0284	–0.0108
0.0	–0.0194	–0.0197	–0.0207	–0.0225	–0.0281	–0.0153
1.0	–0.0188	–0.0191	–0.0201	–0.0218	–0.0280	–0.0193
2.0	–0.0182	–0.0184	–0.0195	–0.0210	–0.0285	–0.0232
3.0	–0.0175	–0.0178	–0.0188	–0.0200	–0.0297	–0.0271
4.0	–0.0169	–0.0172	–0.0182	–0.0170	–0.0347	–0.0311
5.0	–0.0163	–0.0166	–0.0175	–0.0117	–0.0415	–0.0350
6.0	–0.0156	–0.0159	–0.0160	–0.0043	–0.0483	–0.0389
7.0	–0.0149	–0.0142	–0.0133	–0.0032	–0.0551	–0.0428
8.0	–0.0137	–0.0114	–0.0095	–0.0122	–0.0627	–0.0468
9.0	–0.0121	–0.0073	–0.0087	–0.0211	–0.0666	–0.0507
10.0	–0.0100	–0.0020	–0.0245	–0.0301	–0.0705	–0.0545
11.0	–0.0075	–0.0109	–0.0404	–0.0390	–0.0743	–0.0584
12.0	–0.0200	–0.0407	–0.0537	–0.0476	–0.0782	–0.0623
13.0	–0.0563	–0.0504	–0.0576	–0.0514	–0.0821	–0.0661
14.0	–0.0616	–0.0542	–0.0614	–0.0552	–0.0859	–0.0700
15.0	–0.0654	–0.0580	–0.0652	–0.0590	–0.0897	–0.0738
16.0	–0.0692	–0.0619	–0.0690	–0.0628	–0.0935	–0.0776
17.0	–0.0730	–0.0656	–0.0728	–0.0666	–0.0973	–0.0814
18.0	–0.0767	–0.0694	–0.0765	–0.0704	–0.1010	–0.0851
19.0	–0.0805	–0.0731	–0.0803	–0.0741	–0.1048	–0.0889
20.0	–0.0842	–0.0768	–0.0840	–0.0778	–0.1085	–0.0926

Table A3. Coefficients for the NPL9615 airfoil. (a) Lift coefficient

α, deg	Mach											
	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85
−2.0	−0.2360	−0.2430	−0.2500	−0.2570	−0.2640	−0.2710	−0.2790	−0.2900	−0.3200	−0.3920	−0.3750	−0.1290
−1.5	−0.1850	−0.1910	−0.1970	−0.2020	−0.2080	−0.2130	−0.2200	−0.2280	−0.2410	−0.2980	−0.3170	−0.1000
−1.0	−0.1340	−0.1390	−0.1430	−0.1470	−0.1510	−0.1550	−0.1600	−0.1650	−0.1700	−0.2070	−0.2410	−0.0830
−0.5	−0.0830	−0.0870	−0.0900	−0.0920	−0.0940	−0.0960	−0.0990	−0.1010	−0.1030	−0.1170	−0.1450	−0.0710
0.0	−0.0320	−0.0350	−0.0370	−0.0370	−0.0370	−0.0380	−0.0380	−0.0370	−0.0360	−0.0350	−0.0190	−0.0630
0.5	0.0190	0.0180	0.0170	0.0180	0.0190	0.0210	0.0230	0.0260	0.0300	0.0420	0.0820	−0.0580
1.0	0.0700	0.0710	0.0710	0.0730	0.0760	0.0800	0.0840	0.0890	0.0960	0.1180	0.1630	−0.0550
1.5	0.1210	0.1230	0.1250	0.1290	0.1330	0.1390	0.1450	0.1530	0.1640	0.1950	0.2280	
2.0	0.1720	0.1750	0.1790	0.1840	0.1900	0.1980	0.2070	0.2170	0.2350	0.2730	0.2740	
2.5	0.2230	0.2280	0.2330	0.2400	0.2470	0.2580	0.2700	0.2840	0.3080	0.3560	0.2970	
3.0	0.2740	0.2810	0.2880	0.2960	0.3040	0.3170	0.3320	0.3510	0.3850	0.4480	0.3080	
3.5	0.3260	0.3340	0.3420	0.3510	0.3610	0.3760	0.3940	0.4190	0.4650	0.4940		
4.0	0.3770	0.3870	0.3970	0.4070	0.4190	0.4360	0.4560	0.4880	0.5460	0.5170		
4.5	0.4290	0.4400	0.4510	0.4630	0.4760	0.4960	0.5200	0.5590	0.6230	0.5200		
5.0	0.4800	0.4930	0.5060	0.5200	0.5340	0.5570	0.5850	0.6330	0.6910	0.5210		
5.5	0.5310	0.5460	0.5610	0.5760	0.5920	0.6190	0.6520	0.7120	0.7160			
6.0	0.5830	0.5990	0.6150	0.6320	0.6500	0.6820	0.7210	0.7940	0.7190			
6.5	0.6350	0.6520	0.6700	0.6890	0.7080	0.7440	0.7920	0.8490				
7.0	0.6870	0.7060	0.7250	0.7450	0.7670	0.8050	0.8610	0.8760				
7.5	0.7380	0.7590	0.7800	0.8010	0.8250	0.8650	0.9270	0.8900				
8.0	0.7900	0.8120	0.8340	0.8570	0.8830	0.9240	0.9870					
8.5	0.8410	0.8640	0.8880	0.9120	0.9410	0.9820	1.0100					
9.0	0.8910	0.9150	0.9400	0.9650	0.9990	1.0380						
9.5	0.9390	0.9630	0.9880	1.0130	1.0460	1.0680						
10.0	0.9860	1.0090	1.0320	1.0550	1.0790	1.0780						
10.5	1.0310	1.0530	1.0730	1.0890	1.0980							
11.0	1.0740	1.0960	1.1130	1.1160	1.1050							
11.5	1.1140	1.1340	1.1390	1.1320								
12.0	1.1490	1.1660	1.1540	1.1320								
12.5	1.1800	1.1910	1.1620									
13.0	1.2070	1.2050										
13.5	1.2230											

Table A3. Continued. (b) Drag coefficient

α, deg	Mach										
	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80
−2.0	0.0096	0.0099	0.0102	0.0106	0.0109	0.0112	0.0115	0.0123	0.0153	0.0166	0.0364
−1.5	0.0096	0.0099	0.0101	0.0104	0.0106	0.0108	0.0110	0.0118	0.0129	0.0137	0.0154
−1.0	0.0097	0.0099	0.0101	0.0103	0.0105	0.0105	0.0106	0.0112	0.0118	0.0123	0.0140
−0.5	0.0099	0.0100	0.0102	0.0103	0.0104	0.0105	0.0105	0.0107	0.0112	0.0118	0.0140
0.0	0.0101	0.0102	0.0103	0.0103	0.0104	0.0105	0.0105	0.0106	0.0108	0.0113	0.0148
0.5	0.0104	0.0103	0.0103	0.0103	0.0103	0.0104	0.0104	0.0105	0.0106	0.0111	0.0165
1.0	0.0106	0.0104	0.0103	0.0102	0.0103	0.0103	0.0103	0.0104	0.0104	0.0110	0.0190
1.5	0.0107	0.0104	0.0102	0.0102	0.0103	0.0103	0.0103	0.0104	0.0104	0.0114	0.0234
2.0	0.0107	0.0103	0.0102	0.0102	0.0103	0.0103	0.0103	0.0104	0.0105	0.0128	0.0317
2.5	0.0107	0.0104	0.0102	0.0102	0.0102	0.0103	0.0103	0.0104	0.0106	0.0169	
3.0	0.0106	0.0104	0.0103	0.0103	0.0103	0.0103	0.0103	0.0104	0.0108	0.0241	
3.5	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0120		
4.0	0.0105	0.0105	0.0106	0.0106	0.0107	0.0107	0.0108	0.0110	0.0169		
4.5	0.0104	0.0106	0.0108	0.0108	0.0108	0.0109	0.0110	0.0117	0.0240		
5.0	0.0103	0.0106	0.0110	0.0110	0.0110	0.0111	0.0113	0.0134	0.0320		
5.5	0.0100	0.0105	0.0112	0.0113	0.0113	0.0115	0.0118	0.0169			
6.0	0.0098	0.0102	0.0113	0.0116	0.0117	0.0119	0.0126	0.0227			
6.5	0.0096	0.0101	0.0109	0.0120	0.0121	0.0124	0.0146				
7.0	0.0097	0.0100	0.0105	0.0122	0.0126	0.0130	0.0184				
7.5	0.0100	0.0102	0.0107	0.0123	0.0130	0.0140	0.0244				
8.0	0.0105	0.0106	0.0112	0.0123	0.0134	0.0163	0.0307				
8.5	0.0115	0.0116	0.0119	0.0126	0.0140	0.0201					
9.0	0.0127	0.0128	0.0129	0.0133	0.0150	0.0241					
9.5	0.0140	0.0143	0.0145	0.0147	0.0169						
10.0	0.0154	0.0157	0.0161	0.0169	0.0203						
10.5	0.0168	0.0172	0.0179	0.0194	0.0245						
11.0	0.0183	0.0187	0.0199	0.0225	0.0310						
11.5	0.0199	0.0207	0.0224								
12.0	0.0219	0.0232	0.0261								
12.5	0.0244	0.0262									
13.0	0.0273	0.0298									
13.5	0.0307										

Table A3. Concluded. (c) Pitching-moment coefficient

α, deg	Mach											
	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85
−2.0	−0.0111	−0.0081	−0.0076	−0.0080	−0.0086	−0.0097	−0.0116	−0.0142	−0.0179	−0.0208	−0.0036	−0.0754
−1.5	−0.0098	−0.0080	−0.0079	−0.0082	−0.0088	−0.0096	−0.0106	−0.0118	−0.0133	−0.0199	−0.0070	−0.0692
−1.0	−0.0090	−0.0080	−0.0081	−0.0085	−0.0089	−0.0095	−0.0102	−0.0110	−0.0120	−0.0171	−0.0124	−0.0553
−0.5	−0.0085	−0.0081	−0.0083	−0.0087	−0.0090	−0.0094	−0.0100	−0.0106	−0.0115	−0.0133	−0.0160	−0.0334
0.0	−0.0081	−0.0082	−0.0084	−0.0088	−0.0090	−0.0094	−0.0098	−0.0103	−0.0110	−0.0118	−0.0194	−0.0114
0.5	−0.0078	−0.0082	−0.0084	−0.0087	−0.0090	−0.0094	−0.0097	−0.0100	−0.0106	−0.0112	−0.0234	0.0102
1.0	−0.0075	−0.0080	−0.0084	−0.0087	−0.0090	−0.0093	−0.0095	−0.0097	−0.0102	−0.0111	−0.0281	0.0316
1.5	−0.0075	−0.0080	−0.0083	−0.0086	−0.0088	−0.0091	−0.0093	−0.0095	−0.0099	−0.0113	−0.0337	
2.0	−0.0075	−0.0080	−0.0083	−0.0085	−0.0087	−0.0089	−0.0091	−0.0093	−0.0094	−0.0119	−0.0366	
2.5	−0.0075	−0.0080	−0.0082	−0.0084	−0.0086	−0.0087	−0.0088	−0.0089	−0.0089	−0.0136	−0.0354	
3.0	−0.0076	−0.0081	−0.0082	−0.0083	−0.0085	−0.0085	−0.0086	−0.0085	−0.0082	−0.0216	−0.0306	
3.5	−0.0077	−0.0081	−0.0082	−0.0083	−0.0083	−0.0083	−0.0083	−0.0079	−0.0076	−0.0270		
4.0	−0.0078	−0.0081	−0.0082	−0.0082	−0.0081	−0.0080	−0.0080	−0.0067	−0.0079	−0.0293		
4.5	−0.0079	−0.0081	−0.0081	−0.0080	−0.0078	−0.0076	−0.0075	−0.0051	−0.0096	−0.0302		
5.0	−0.0078	−0.0081	−0.0081	−0.0078	−0.0075	−0.0071	−0.0066	−0.0034	−0.0133	−0.0296		
5.5	−0.0061	−0.0080	−0.0081	−0.0077	−0.0071	−0.0064	−0.0051	−0.0023	−0.0177			
6.0	−0.0048	−0.0078	−0.0081	−0.0075	−0.0064	−0.0054	−0.0031	−0.0017	−0.0219			
6.5	−0.0054	−0.0066	−0.0070	−0.0062	−0.0054	−0.0040	−0.0004	−0.0016				
7.0	−0.0070	−0.0048	−0.0045	−0.0047	−0.0044	−0.0021	0.0027	−0.0025				
7.5	−0.0078	−0.0048	−0.0040	−0.0039	−0.0033	0.0003	0.0055					
8.0	−0.0077	−0.0051	−0.0041	−0.0037	−0.0014	0.0034	0.0072					
8.5	−0.0064	−0.0052	−0.0046	−0.0026	0.0016	0.0070						
9.0	−0.0051	−0.0046	−0.0039	−0.0007	0.0049	0.0110						
9.5	−0.0037	−0.0031	−0.0018	0.0022	0.0083	0.0143						
10.0	−0.0021	−0.0014	0.0006	0.0055	0.0116	0.0157						
10.5	−0.0006	0.0006	0.0034	0.0093	0.0159							
11.0	0.0010	0.0027	0.0064	0.0130	0.0186							
11.5	0.0027	0.0050	0.0096	0.0168								
12.0	0.0046	0.0076	0.0129	0.0158								
12.5	0.0068	0.0102										
13.0	0.0095	0.0112										
13.5	0.0094											

Table A4. Coefficients for the NPL9617 airfoil. (a) Lift coefficient

α,	Mach											
deg	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85
–2.0	–0.2240	–0.2380	–0.2510	–0.2610	–0.2700	–0.2780	–0.2840	–0.2990	–0.3390	–0.4280	–0.4620	
–1.5	–0.1770	–0.1870	–0.1960	–0.2040	–0.2120	–0.2190	–0.2240	–0.2350	–0.2550	–0.3090	–0.3800	
–1.0	–0.1290	–0.1360	–0.1420	–0.1480	–0.1540	–0.1590	–0.1640	–0.1700	–0.1820	–0.2120	–0.2750	–0.1630
–0.5	–0.0820	–0.0860	–0.0900	–0.0930	–0.0970	–0.1000	–0.1020	–0.1060	–0.1140	–0.1260	–0.1560	–0.1060
0.0	–0.0340	–0.0350	–0.0370	–0.0380	–0.0390	–0.0400	–0.0410	–0.0420	–0.0450	–0.0470	–0.0470	–0.0500
0.5	0.0150	0.0160	0.0160	0.0170	0.0180	0.0190	0.0200	0.0220	0.0240	0.0290	0.0460	0.0050
1.0	0.0650	0.0670	0.0700	0.0730	0.0760	0.0790	0.0820	0.0870	0.0930	0.1010	0.1380	0.0560
1.5	0.1180	0.1210	0.1250	0.1290	0.1340	0.1390	0.1450	0.1530	0.1630	0.1790	0.2290	0.0770
2.0	0.1710	0.1760	0.1810	0.1860	0.1920	0.2000	0.2090	0.2200	0.2350	0.2620	0.3190	0.0830
2.5	0.2250	0.2300	0.2360	0.2430	0.2510	0.2610	0.2730	0.2870	0.3100	0.3550	0.3850	
3.0	0.2780	0.2840	0.2920	0.3010	0.3110	0.3230	0.3380	0.3560	0.3890	0.4590	0.3860	
3.5	0.3310	0.3390	0.3490	0.3600	0.3710	0.3850	0.4040	0.4290	0.4730	0.5410		
4.0	0.3840	0.3940	0.4050	0.4180	0.4300	0.4480	0.4710	0.5050	0.5600	0.5760		
4.5	0.4370	0.4490	0.4610	0.4750	0.4900	0.5110	0.5390	0.5810	0.6410	0.5900		
5.0	0.4900	0.5030	0.5180	0.5330	0.5500	0.5750	0.6090	0.6570	0.7120	0.5950		
5.5	0.5420	0.5570	0.5740	0.5910	0.6100	0.6390	0.6780	0.7320	0.7490			
6.0	0.5950	0.6110	0.6290	0.6480	0.6700	0.7020	0.7450	0.8050	0.7600			
6.5	0.6480	0.6660	0.6840	0.7040	0.7290	0.7640	0.8110	0.8660				
7.0	0.7010	0.7200	0.7390	0.7590	0.7860	0.8250	0.8770	0.8940				
7.5	0.7540	0.7730	0.7930	0.8150	0.8430	0.8830	0.9380	0.8940				
8.0	0.8050	0.8250	0.8460	0.8700	0.8990	0.9390	0.9770	0.8800				
8.5	0.8550	0.8760	0.8970	0.9210	0.9490	0.9900	0.9880					
9.0	0.9030	0.9240	0.9450	0.9670	0.9930	1.0350	0.9850					
9.5	0.9500	0.9690	0.9900	1.0110	1.0350	1.0480						
10.0	0.9950	1.0130	1.0340	1.0540	1.0710	1.0360						
10.5	1.0390	1.0560	1.0720	1.0850	1.0750							
11.0	1.0820	1.0990	1.1040	1.0960	1.0250							
11.5	1.1260	1.1360	1.1300	1.0890								
12.0	1.1690	1.1650	1.1480	1.0380								
12.5	1.1960	1.1740										
13.0	1.2040	1.1680										
13.5	1.1790	1.0750										

Table A4. Continued. (b) Drag coefficient

α, deg	Mach										
	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80
−2.0	0.0084	0.0087	0.0091	0.0095	0.0096	0.0101	0.0104	0.0120	0.0138	0.0156	0.0365
−1.5	0.0085	0.0088	0.0091	0.0094	0.0095	0.0096	0.0098	0.0107	0.0121	0.0125	0.0135
−1.0	0.0088	0.0090	0.0091	0.0093	0.0093	0.0094	0.0094	0.0097	0.0107	0.0107	0.0108
−0.5	0.0091	0.0091	0.0091	0.0091	0.0091	0.0092	0.0092	0.0094	0.0097	0.0100	0.0106
0.0	0.0093	0.0092	0.0091	0.0090	0.0090	0.0090	0.0090	0.0091	0.0091	0.0095	0.0107
0.5	0.0094	0.0092	0.0091	0.0090	0.0089	0.0090	0.0090	0.0090	0.0091	0.0093	0.0113
1.0	0.0094	0.0092	0.0091	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0092	0.0130
1.5	0.0094	0.0093	0.0092	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0093	0.0160
2.0	0.0095	0.0094	0.0093	0.0092	0.0092	0.0092	0.0092	0.0092	0.0092	0.0095	0.0223
2.5	0.0095	0.0094	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0105	0.0327
3.0	0.0096	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0179	0.0447
3.5	0.0093	0.0094	0.0094	0.0095	0.0096	0.0096	0.0096	0.0097	0.0104		
4.0	0.0090	0.0094	0.0094	0.0096	0.0098	0.0098	0.0099	0.0101	0.0135		
4.5	0.0088	0.0096	0.0100	0.0100	0.0101	0.0101	0.0102	0.0110	0.0211		
5.0	0.0088	0.0099	0.0103	0.0103	0.0105	0.0105	0.0106	0.0127	0.0292		
5.5	0.0090	0.0098	0.0102	0.0104	0.0109	0.0111	0.0113	0.0165			
6.0	0.0095	0.0096	0.0099	0.0105	0.0111	0.0114	0.0125	0.0214			
6.5	0.0101	0.0098	0.0098	0.0106	0.0111	0.0115	0.0145				
7.0	0.0109	0.0104	0.0104	0.0110	0.0113	0.0120	0.0179				
7.5	0.0122	0.0117	0.0116	0.0116	0.0122	0.0129	0.0230				
8.0	0.0128	0.0125	0.0124	0.0123	0.0130	0.0148	0.0291				
8.5	0.0130	0.0129	0.0128	0.0132	0.0140	0.0187					
9.0	0.0131	0.0133	0.0135	0.0141	0.0153	0.0249					
9.5	0.0139	0.0140	0.0145	0.0156	0.0176						
10.0	0.0149	0.0152	0.0160	0.0181	0.0233						
10.5	0.0162	0.0167	0.0178	0.0215	0.0375						
11.0	0.0175	0.0183	0.0202	0.0260	0.0646						
11.5	0.0192	0.0200	0.0241								
12.0	0.0210	0.0222	0.0294								
12.5	0.0231	0.0256									
13.0	0.0255	0.0443									
13.5	0.0556										

Table A4. Concluded. (c) Pitching-moment coefficient

α, deg	Mach											
	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85
–2.0	–0.0118	–0.0108	–0.0104	–0.0106	–0.0112	–0.0126	–0.0148	–0.0176	–0.0207	–0.0215	0.0157	
–1.5	–0.0112	–0.0105	–0.0102	–0.0104	–0.0108	–0.0114	–0.0122	–0.0139	–0.0156	–0.0212	–0.0088	
–1.0	–0.0105	–0.0101	–0.0101	–0.0103	–0.0107	–0.0110	–0.0115	–0.0128	–0.0156	–0.0197	–0.0125	–0.0298
–0.5	–0.0098	–0.0099	–0.0100	–0.0102	–0.0106	–0.0109	–0.0114	–0.0125	–0.0143	–0.0165	–0.0143	–0.0320
0.0	–0.0092	–0.0095	–0.0098	–0.0102	–0.0105	–0.0108	–0.0111	–0.0121	–0.0134	–0.0146	–0.0160	–0.0275
0.5	–0.0089	–0.0092	–0.0096	–0.0099	–0.0102	–0.0106	–0.0108	–0.0116	–0.0125	–0.0135	–0.0182	–0.0064
1.0	–0.0087	–0.0090	–0.0094	–0.0097	–0.0100	–0.0103	–0.0106	–0.0112	–0.0118	–0.0125	–0.0207	–0.0022
1.5	–0.0085	–0.0089	–0.0092	–0.0095	–0.0098	–0.0101	–0.0104	–0.0108	–0.0112	–0.0116	–0.0262	–0.0003
2.0	–0.0084	–0.0088	–0.0090	–0.0093	–0.0095	–0.0099	–0.0102	–0.0104	–0.0109	–0.0112	–0.0390	0.0009
2.5	–0.0082	–0.0086	–0.0089	–0.0091	–0.0093	–0.0097	–0.0100	–0.0100	–0.0102	–0.0126	–0.0450	
3.0	–0.0081	–0.0085	–0.0088	–0.0089	–0.0091	–0.0096	–0.0098	–0.0097	–0.0090	–0.0182	–0.0404	
3.5	–0.0079	–0.0085	–0.0089	–0.0089	–0.0089	–0.0092	–0.0095	–0.0090	–0.0074	–0.0241		
4.0	–0.0073	–0.0085	–0.0090	–0.0088	–0.0086	–0.0087	–0.0088	–0.0078	–0.0065	–0.0305		
4.5	–0.0057	–0.0082	–0.0089	–0.0086	–0.0083	–0.0081	–0.0080	–0.0060	–0.0076	–0.0345		
5.0	–0.0045	–0.0077	–0.0084	–0.0084	–0.0080	–0.0075	–0.0066	–0.0038	–0.0110	–0.0338		
5.5	–0.0041	–0.0066	–0.0075	–0.0077	–0.0075	–0.0067	–0.0047	–0.0020	–0.0152			
6.0	–0.0045	–0.0057	–0.0065	–0.0069	–0.0069	–0.0058	–0.0025	–0.0013	–0.0205			
6.5	–0.0059	–0.0059	–0.0059	–0.0059	–0.0059	–0.0042	–0.0003	–0.0012				
7.0	–0.0068	–0.0063	–0.0057	–0.0053	–0.0045	–0.0019	0.0020	–0.0013				
7.5	–0.0068	–0.0063	–0.0056	–0.0048	–0.0030	0.0009	0.0048	–0.0025				
8.0	–0.0062	–0.0059	–0.0052	–0.0040	–0.0013	0.0039	0.0075	–0.0166				
8.5	–0.0051	–0.0048	–0.0040	–0.0025	0.0010	0.0069	0.0080					
9.0	–0.0039	–0.0035	–0.0025	0.0000	0.0043	0.0099	0.0020					
9.5	–0.0026	–0.0021	–0.0007	0.0035	0.0085	0.0134						
10.0	–0.0014	–0.0007	0.0015	0.0075	0.0138	0.0103						
10.5	–0.0001	0.0009	0.0037	0.0117	0.0155							
11.0	0.0012	0.0026	0.0064	0.0135	–0.0023							
11.5	0.0027	0.0046	0.0088	0.0125								
12.0	0.0042	0.0068	0.0103	–0.0150								
12.5	0.0057	0.0071										
13.0	0.0066	0.0010										
13.5	–0.0065	–0.0386										

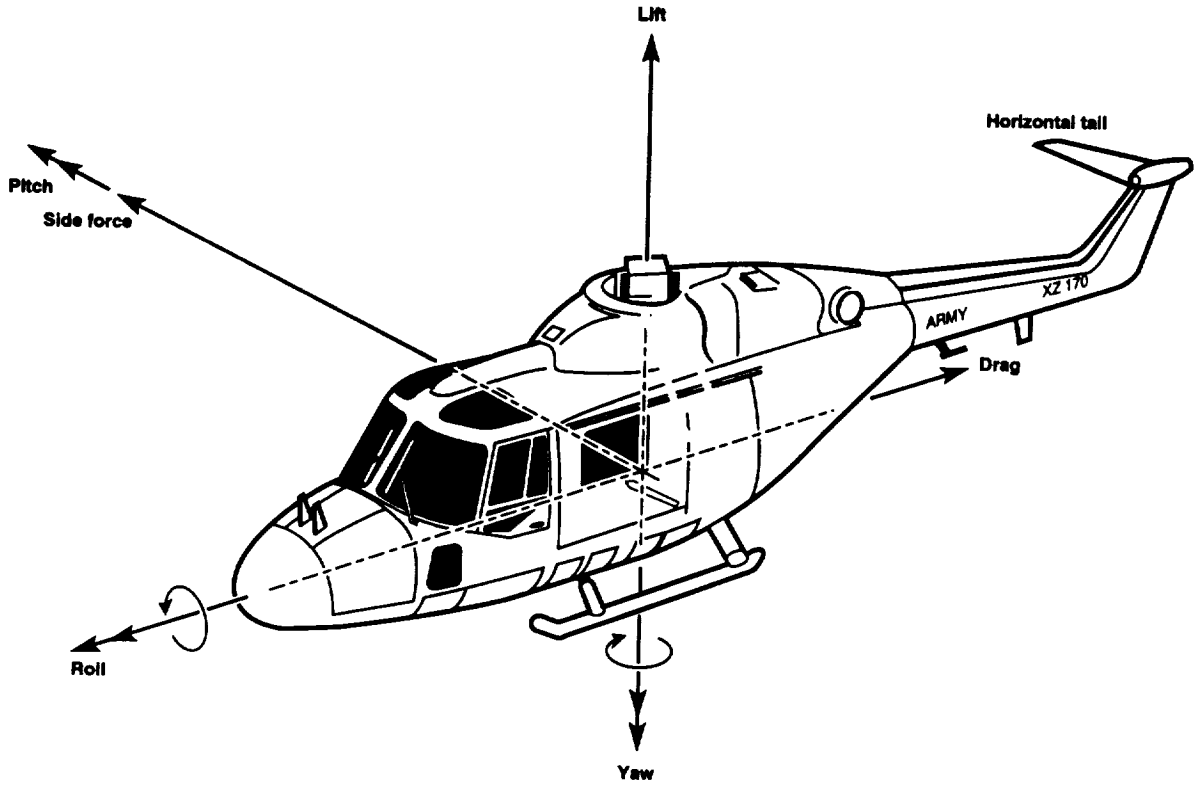


Figure A1. Positive directions of the fuselage aerodynamic loads.

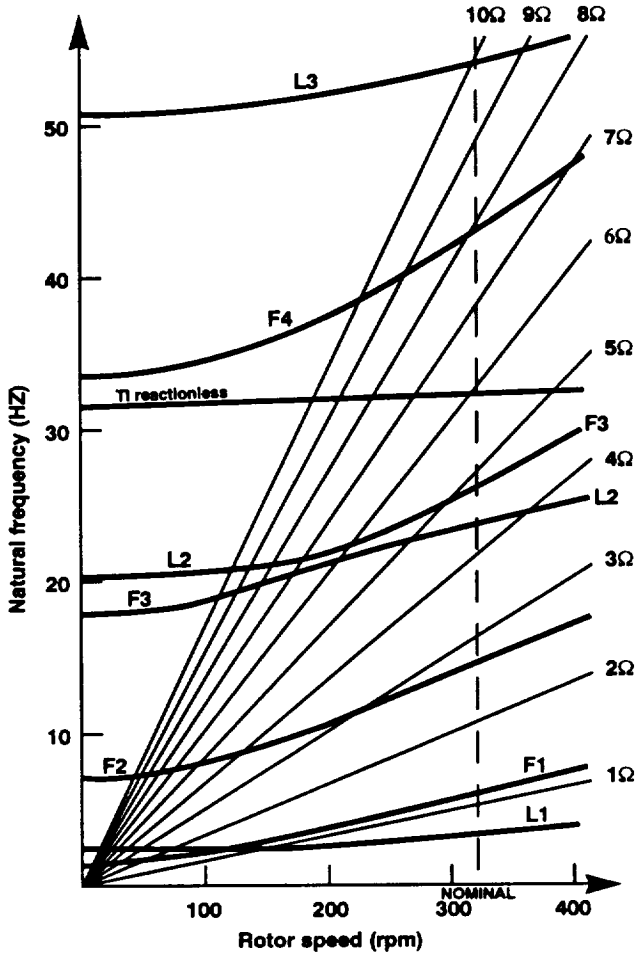


Figure A2. Calculation of the rotating frequencies of the main-rotor blade in vacuo.

Appendix B

Aircraft Parameters

Flight 487

Condition	A	B√*	C√	D√	E	F√	G	H√
Pressure altitude, ft	1800	1850	1993	2200	2360	2570	2580	2950
Outside air temperature, °F	56.5	55.2	54.9	54.0	54.1	54.1	53.8	53.4
Air density ratio	0.941	0.942	0.938	0.932	0.926	0.919	0.920	0.908
True air speed, knots	46.7	64.0	84.8	104.0	123.6	141.8	142.9	157.5
Rotor rotational speed, rpm	327.8	327.2	326.9	326.6	326.3	326.9	326.9	326.9
Aircraft weight, lb	9000	8923	8835	8746	8713	8617	8625	8559
C_W/σ	0.1421	0.1413	0.1408	0.1406	0.1412	0.1402	0.1401	0.1409
Advance ratio	0.1092	0.1502	0.1992	0.2445	0.2908	0.3330	0.3354	0.3699
Total engine power, hp	715.5	665.9	657.3	728.7	888.0	1090.1	1042.0	1362.7
Rate of climb, ft/min	0.0	0.0	0.0	–20.0	0.0	0.0	0.0	0.0
Aircraft pitch attitude, deg	—	2.30	0.37	–0.45	—	–3.48	—	–4.57
Aircraft roll attitude, deg	—	–0.81	–0.61	–0.63	—	–0.96	—	–0.73
Collective, deg	—	11.02	10.76	12.03	—	16.23	—	18.06
Lateral cyclic, deg	—	1.25	0.87	0.71	—	0.82	—	–5.62
Longitudinal cyclic, deg	—	–2.44	–2.71	–3.54	—	–6.06	—	–5.17

Flight 497

Condition	A√	B	C√	D	E√	F√	G√	H√	I√	J
Pressure altitude, ft	6900	7050	7070	7100	7140	7260	7340	7500	7600	7700
Outside air temperature, °F	39.0	39.6	39.6	41.2	41.2	41.7	41.0	41.0	41.5	42.4
Air density ratio	0.806	0.800	0.800	0.796	0.795	0.791	0.789	0.784	0.781	0.776
True air speed, knots	81.5	91.9	101.0	110.4	119.6	128.9	134.0	139.7	145.5	151.2
Rotor rotational speed, rpm	322.4	319.9	319.9	319.3	322.1	324.0	321.8	322.4	321.8	323.7
Aircraft weight, lb	9885	9841	9819	9797	9775	9720	9687	9665	9621	9554
C_W/σ	0.1884	0.1920	0.1916	0.1929	0.1893	0.1870	0.1894	0.1894	0.1900	0.1877
Advance ratio	0.1941	0.2204	0.2423	0.2655	0.2850	0.3053	0.3195	0.3325	0.3470	0.3585
Total engine power, hp	695.8	706	737.3	845.5	837.2	993.2	1223.1	1320.4	1388.8	1555.8
Rate of climb, ft/min	0.0	–30.0	0.0	160.0	0.0	0.0	0.0	150.0	0.0	0.0
Aircraft pitch attitude, deg	0.88	—	0.80	—	–0.56	–0.80	–0.51	–0.80	–1.61	—
Aircraft roll attitude, deg	–0.56	—	0.21	—	0.19	–0.07	–0.28	0.84	0.03	—
Collective, deg	12.73	—	13.58	—	15.04	15.94	17.87	18.54	18.36	—
Lateral cyclic, deg	1.29	—	0.90	—	1.18	1.19	1.90	1.54	1.79	—
Longitudinal cyclic, deg	–3.17	—	–4.12	—	–5.37	–5.99	–6.84	–7.48	–7.44	—

*√(Check mark) indicates that the hub and blade parameters are also presented in Appendixes C and D.

Flight 499

Condition	A	B√	C	D√	E	F√	G√
Pressure altitude, ft	3830	4080	4280	4500	4610	4770	4960
Outside air temperature, °F	53.2	52.9	51.6	52.2	52.9	52.3	52.5
Air density ratio	0.879	0.871	0.867	0.859	0.854	0.850	0.844
True air speed, knots	48.3	67.5	89.2	109.3	128.7	139.4	154.2
Rotor rotational speed, rpm	325.3	326.3	325.6	325.9	326.3	325.0	325.9
Aircraft weight, lb	9332	9288	9244	9176	9132	9066	8989
C_W/σ	0.1603	0.1600	0.1606	0.1606	0.1605	0.1613	0.1601
Advance ratio	0.1140	0.1589	0.2103	0.2573	0.3028	0.3291	0.3631
Total engine power, hp	686	656	663	711	872	1052	1287
Rate of climb, ft/min	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aircraft pitch attitude,deg	—	1.89	—	–0.77	—	–2.74	–4.33
Aircraft roll attitude, deg	—	0.05	—	0.27	—	–0.25	0.14
Collective, deg	—	10.41	—	12.77	—	15.83	17.42
Lateral cyclic, deg	—	1.00	—	0.56	—	0.86	0.94
Longitudinal cyclic, deg	—	–2.51	—	–4.05	—	–5.93	–6.81

Flight 503

Condition	A√	B	C√	D	E√	F√	G√	H√
Pressure altitude, ft	5888	6140	6250	6370	6560	6720	6840	7060
Outside air temperature, °F	51.8	52.7	52.3	52.7	52.3	51.4	50.9	50.4
Air density ratio	0.816	0.807	0.804	0.800	0.795	0.792	0.789	0.783
True air speed, knots	69.7	81.5	97.2	92.9	98.3	103.5	109.0	114.5
Rotor rotational speed, rpm	326.3	326.6	326.6	325.9	327.2	326.9	325.9	325.9
Aircraft weight, lb	11920	11876	11810	11766	11678	11611	11579	11501
C_W/σ	0.2192	0.2204	0.2200	0.2211	0.2192	0.2192	0.2207	0.2209
Advance ratio	0.1640	0.1914	0.2049	0.2187	0.2305	0.2430	0.2565	0.2696
Total engine power, hp	952	953	929	959	995	1050	1119	1327
Rate of climb, ft/min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aircraft pitch attitude, deg	3.10	—	1.75	—	1.35	1.64	2.91	0.73
Aircraft roll attitude, deg	0.53	—	0.10	—	–0.64	0.36	0.41	–0.25
Collective, deg	15.01	—	14.91	—	15.46	15.81	17.28	17.70
Lateral cyclic, deg	1.45	—	1.47	—	1.90	1.55	1.50	2.02
Longitudinal cyclic, deg	–3.59	—	–4.03	—	–4.24	–4.92	–5.80	–5.61

√(Check mark) indicates that the hub and blade parameters are also presented in Appendixes C and D.

Flight 504

Condition	A√	B√	C√	D√	E√
Pressure altitude, ft	8430	8620	8720	8880	9000
Outside air temperature, °F	49.3	47.1	46.4	45.1	45.9
Air density ratio	0.745	0.743	0.741	0.738	0.734
True air speed, knots	62.8	73.1	79.1	85.2	91.3
Rotor rotational speed, rpm	324.4	322.4	324.0	323.1	324.0
Aircraft weight, lb	11671	11626	11590	11535	11460
C_W/σ	0.2379	0.2404	0.2380	0.2392	0.2375
Advance ratio	0.1485	0.1741	0.1873	0.2023	0.2163
Total engine power, hp	1082	1099	1096	1117	1120
Rate of climb, ft/min	0.0	18.0	0.0	0.0	22.0
Aircraft pitch attitude, deg	3.07	3.29	3.53	2.75	2.57
Aircraft roll attitude, deg	0.24	0.28	–0.19	0.14	0.62
Collective, deg	15.74	16.84	16.20	16.46	16.52
Lateral cyclic, deg	1.84	1.93	2.07	2.24	1.80
Longitudinal cyclic, deg	–3.06	–4.08	–4.16	–4.42	–5.00

√(Check mark) indicates that the hub and blade parameters are also presented in Appendixes C and D.

Appendix C

Hub and Blade Parameters

Flight 487, Condition B

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	1.2538E+04		-1.1219E+04	
1/2PP	1.3426E+04		1.5365E+04	
Nth	COSINE	SINE	COSINE	SINE
01	8.0144E+03	2.0284E+03	-1.4044E+04	2.0390E+03
02	2.1140E+02	1.7589E+03	6.2966E+02	9.9230E+02
03	3.0425E+03	-1.3458E+03	2.1837E+03	7.2518E+02
04	7.2303E+02	1.1829E+03	4.0130E+01	-6.7724E+00
05	-1.0341E+02	-1.7361E+03	1.1504E+03	1.6440E+02
06	8.1250E+02	1.0020E+02	1.4076E+02	-8.0782E+00
07	3.4589E+02	1.7348E+02	-6.2115E+01	-1.1416E+02
08	3.4855E+02	1.4232E+02	-5.9970E+01	1.8514E+01
09	1.2204E+02	-2.0449E+01	-3.0937E+02	3.1680E+02
10	-5.1930E+01	-3.1731E+01	-1.3816E+02	-1.4205E+02
11	-5.7935E+01	-4.5911E+01	-1.2973E+02	-2.3037E+01
12	-9.0920E+01	6.1235E+00	2.2529E+01	3.9836E+01
13	-6.6037E+01	-3.8262E+01	-1.7733E+01	1.2972E+01
14	-2.4770E+01	3.8774E+00	-2.1961E+01	-3.5464E+01
15	1.2110E+01	-1.4145E+01	4.3780E+00	-2.0076E+01
16	3.4985E+01	2.2074E+01	-1.3702E+01	-1.9611E+01
17	4.1309E+00	-1.0226E+01	-2.0248E+01	-1.1479E+01
18	6.7752E+00	-5.9453E+00	1.1526E+01	-1.5275E+01
19	6.6067E+00	-2.0627E+01	9.6855E+00	2.2452E+00
20	-9.4626E+00	-4.6699E+00	3.0790E+00	-2.8237E+00

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.4123E+04		-2.7750E+03	
1/2PP	4.6106E+03		4.7530E+03	
Nth	COSINE	SINE	COSINE	SINE
01	3.6168E+03	7.7029E+02	-4.6017E+03	-5.2741E+02
02	-2.1764E+02	6.3294E+02	9.7706E+01	5.5743E+02
03	1.4215E+02	-1.2906E+02	4.8789E+02	1.5298E+02
04	-5.6597E+00	-4.9983E+00	1.1752E+02	-1.1123E+01
05	-9.7578E+01	4.9908E+02	2.4344E+02	1.3709E+02
06	-2.6139E+02	1.9357E+01	1.9319E+01	-5.2160E+01
07	-2.2362E+02	-1.4171E+02	2.2346E+01	-2.8703E+01
08	-1.7991E+02	-3.5172E+01	-3.7354E+01	-2.2662E+01
09	-3.2758E+01	1.2349E+00	-3.2037E+01	3.8955E+01
10	4.1606E+01	2.6116E+01	-3.9123E+01	6.2740E+00
11	6.9717E+01	5.9236E+01	-1.5350E+01	1.9301E+00
12	6.3971E+01	-7.3083E+00	2.0091E+01	1.2199E+01
13	6.2786E+01	1.9349E+01	5.0941E+00	4.3686E+00
14	1.1029E+01	2.3479E+00	4.8380E+00	-6.1184E+00
15	-1.8864E+01	-3.6547E+00	-7.0212E+00	-1.0040E+00
16	-3.0868E+01	-1.0603E+01	-6.3591E+00	-1.8093E+00
17	-2.6649E+00	6.4348E+00	2.8943E-01	-4.5800E+00
18	-1.2386E+01	1.5533E+01	-3.0033E+00	-1.0304E+00
19	8.7730E-01	1.2721E+01	5.0017E+00	2.5171E+00
20	4.5790E+00	6.3088E+00	3.6440E+00	8.9201E-01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.3700E+04	-2.0956E+03
1/2PP	3.1676E+03	5.1027E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.7531E+03	1.8212E+02	-4.8714E+03	1.8315E+02
02	-3.1803E+02	2.1152E+02	3.0291E+02	2.7351E+02
03	-6.0548E+02	1.5736E+02	2.4331E+02	-3.0297E+02
04	-2.0541E+02	-3.7899E+02	2.7952E+02	-1.5895E+02
05	-7.4560E+01	1.0350E+03	-7.3160E+01	-1.1407E+02
06	-4.9550E+02	-1.1325E+01	5.9496E+00	-2.8629E+01
07	-2.7731E+02	-1.8911E+02	1.1053E+02	2.4047E+01
08	-2.4516E+02	-7.3219E+01	-2.8008E+01	1.0865E+01
09	-5.5777E+01	-6.2831E+00	1.1818E+02	-1.3023E+02
10	4.2949E+01	2.2391E+01	5.9284E+01	3.9599E+01
11	5.7129E+01	4.2137E+01	3.7949E+01	1.9965E+00
12	5.2723E+01	-1.6500E+01	-2.1097E+00	-1.2085E+01
13	4.8947E+01	1.8280E+01	5.9553E+00	2.3371E-01
14	-2.2417E+00	-5.9716E+00	1.6897E+00	9.2190E+00
15	-7.0677E+00	-5.0126E-01	5.1972E-01	4.0349E+00
16	-5.8858E+00	-1.2487E+00	2.4867E+00	7.1341E+00
17	-3.9425E+00	6.6823E+00	9.6953E+00	-3.2214E-01
18	-1.0806E+00	-3.8808E+00	-1.1319E+00	1.3000E+01
19	5.9793E+00	9.2081E+00	-9.5898E+00	-1.0813E+00
20	-2.5525E+00	-3.8124E+00	-4.6721E-02	8.2230E-01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.0073E+04	-7.3469E+03
1/2PP	2.5557E+03	6.6288E+03

Nth	COSINE	SINE	COSINE	SINE
01	4.2451E+02	-6.4445E+02	-5.6224E+03	1.1557E+03
02	-6.4471E+02	-2.5898E+02	6.0928E+02	2.2381E+02
03	-1.0054E+03	1.9056E+02	6.4809E+01	-8.7951E+02
04	-2.7907E+02	-5.3070E+02	4.7384E+02	-2.8544E+02
05	6.4057E+01	8.4029E+02	-5.0864E+02	-3.7485E+02
06	-3.4093E+02	6.3332E+00	-6.8754E+01	1.6682E+01
07	-7.8685E+01	-5.1764E+01	5.1456E+01	3.5863E+01
08	-5.9469E+01	5.3352E-01	-2.0499E+01	2.5350E+01
09	-2.5245E+00	-7.4776E+00	1.7092E+02	-1.7863E+02
10	1.2525E+01	-9.5698E+00	1.0586E+02	4.5813E+01
11	-1.6556E+01	-1.9694E+01	7.1939E+01	5.9549E+00
12	-3.6582E+01	-8.5179E+00	-1.3077E+01	-2.5343E+01
13	-2.8713E+01	-1.0639E+01	1.4545E+01	-6.9093E+00
14	-1.4472E+01	-3.8476E+00	-3.7931E+00	1.1163E+01
15	1.3274E+01	4.0248E+00	3.6645E+00	3.9788E+00
16	2.8448E+01	7.6461E+00	2.2391E-01	-1.9239E+00
17	1.4277E+00	1.6306E+00	-1.0212E+01	-2.1486E+00
18	1.0354E+01	-1.2640E+01	-1.0934E+00	3.9395E+00
19	1.9355E-01	-6.5936E+00	-1.5689E+00	-4.3998E-01
20	-3.3185E+00	-6.3602E+00	-1.9425E+00	2.0034E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	3.9499E+03	0.0000E+00
1/2PP	2.6377E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	8.4728E+01	-1.3159E+03	0.0000E+00	0.0000E+00
02	-1.1190E+03	-3.4971E+02	0.0000E+00	0.0000E+00
03	-1.0273E+03	2.9821E+02	0.0000E+00	0.0000E+00
04	-1.9295E+02	-1.6110E+02	0.0000E+00	0.0000E+00
05	4.4886E+01	1.0491E+01	0.0000E+00	0.0000E+00
06	1.7745E+02	3.6506E+01	0.0000E+00	0.0000E+00
07	1.8171E+02	1.3734E+02	0.0000E+00	0.0000E+00
08	1.7042E+02	3.3025E+01	0.0000E+00	0.0000E+00
09	4.0339E+01	1.3367E+01	0.0000E+00	0.0000E+00
10	-3.2257E+01	-1.4717E+01	0.0000E+00	0.0000E+00
11	-3.5657E+01	-2.1953E+01	0.0000E+00	0.0000E+00
12	-4.9801E+00	3.8674E+00	0.0000E+00	0.0000E+00
13	-8.5228E+00	8.5107E+00	0.0000E+00	0.0000E+00
14	7.0977E+00	4.5892E-01	0.0000E+00	0.0000E+00
15	-7.3316E+00	-2.0464E+00	0.0000E+00	0.0000E+00
16	-1.7980E+01	-9.0401E+00	0.0000E+00	0.0000E+00
17	-4.7830E+00	-2.7106E+00	0.0000E+00	0.0000E+00
18	-6.5350E+00	3.4560E+00	0.0000E+00	0.0000E+00
19	5.5693E-01	4.6454E+00	0.0000E+00	0.0000E+00
20	4.2590E+00	4.4636E-01	0.0000E+00	0.0000E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-1.4804E+02	-7.1783E+03
1/2PP	3.0343E+03	3.8318E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.1759E+02	-1.1132E+03	-1.7652E+03	7.5796E+01
02	-1.4048E+03	-3.2650E+02	4.1688E+02	-1.6917E+02
03	-1.0141E+03	3.2847E+02	-7.0796E+02	-8.0765E+02
04	3.2199E+01	2.1380E+02	1.9121E+02	-1.6263E+02
05	4.2625E+01	-4.1479E+02	-7.6832E+02	-5.4486E+02
06	1.8251E+02	2.4302E+01	1.7712E+01	4.5148E+01
07	1.2337E+01	3.7349E+01	-1.8811E+02	-2.9989E+01
08	7.3261E-01	-2.0655E+01	6.8833E+01	-4.9742E+01
09	-3.7208E+01	-1.7883E+01	-2.0075E+02	1.9036E+02
10	-7.8162E+00	1.3934E+01	-7.4710E+01	-4.7274E+01
11	4.4982E+01	3.3752E+01	-5.0140E+01	5.8105E+00
12	4.5358E+01	-3.9828E+00	2.6032E+01	2.8558E+01
13	2.3412E+01	6.6073E-01	5.7598E-01	7.9510E+00
14	2.5789E+00	-8.1934E+00	1.0668E+00	-8.4015E+00
15	6.6964E+00	9.4129E-01	-4.1554E+00	-5.6761E+00
16	1.9281E+00	5.7481E+00	2.3918E+00	9.8085E+00
17	6.1853E-01	-1.7260E+00	9.2510E+00	2.1117E+00
18	1.1752E+01	4.7585E-01	4.9910E+00	3.0925E+00
19	1.0988E+00	8.9296E-01	-1.6651E+00	-4.1385E+00
20	-7.0364E+00	-2.5271E+00	-4.8509E-01	-4.6918E-01

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-1.8241E+03		0.0000E+00	
1/2PP	1.9820E+03		0.0000E+00	
Nth	COSINE	SINE	COSINE	SINE
01	-6.2389E+01	-1.0200E+02	0.0000E+00	0.0000E+00
02	-9.2339E+02	-1.2556E+02	0.0000E+00	0.0000E+00
03	-6.5962E+02	2.1277E+02	0.0000E+00	0.0000E+00
04	1.4349E+02	2.1415E+02	0.0000E+00	0.0000E+00
05	6.5816E+01	-1.5797E+02	0.0000E+00	0.0000E+00
06	-4.1814E+01	-1.6584E+01	0.0000E+00	0.0000E+00
07	-1.3302E+02	-1.0485E+02	0.0000E+00	0.0000E+00
08	-9.6266E+01	-2.8527E+01	0.0000E+00	0.0000E+00
09	1.9494E+00	1.5682E+01	0.0000E+00	0.0000E+00
10	1.8231E+01	9.7540E+00	0.0000E+00	0.0000E+00
11	-3.2621E+00	-1.9516E+01	0.0000E+00	0.0000E+00
12	-2.2665E+01	6.3293E+00	0.0000E+00	0.0000E+00
13	-2.3263E+01	3.9693E-01	0.0000E+00	0.0000E+00
14	5.2423E-01	1.7634E+00	0.0000E+00	0.0000E+00
15	4.0446E+00	9.1168E-01	0.0000E+00	0.0000E+00
16	-2.7079E+00	1.4996E+00	0.0000E+00	0.0000E+00
17	-2.4369E+00	-2.6295E+00	0.0000E+00	0.0000E+00
18	-1.4701E+00	1.2287E+00	0.0000E+00	0.0000E+00
19	-1.2858E+00	7.9665E-01	0.0000E+00	0.0000E+00
20	3.8016E-01	-1.3605E-01	0.0000E+00	0.0000E+00

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-5.7945E+02		6.3965E+01	
1/2PP	8.9422E+01		3.7456E+01	
Nth	COSINE	SINE	COSINE	SINE
01	-3.9789E+00	-5.1230E+00	3.1000E+00	4.0410E+00
02	-2.5161E+01	-2.1602E+01	-5.7886E-01	4.7208E+00
03	-9.6530E+00	1.1317E+01	-4.7868E-01	-9.7706E-02
04	2.6544E+01	2.2624E+01	-2.4605E+01	9.9553E+00
05	-5.6133E-01	8.7292E+00	1.7386E-01	-1.9922E-01
06	1.9497E+00	6.7727E+00	1.1053E-01	-1.2738E+00
07	-3.1959E+00	9.2303E-01	2.7506E-02	-7.0115E-01
08	-4.9602E+00	-2.1350E+01	-1.1002E-01	5.4756E-01
09	-2.4724E+00	6.5211E-01	1.3631E-03	1.0576E-01
10	-2.9408E-01	-1.9631E+00	-2.9470E-01	-1.0194E-01
11	-1.1013E+00	5.9086E-01	-4.8884E-01	-3.0413E-01
12	-9.7964E+00	-1.8515E+00	-3.1875E+00	-7.9358E-01
13	-2.2425E-01	1.8365E+00	-1.2112E-01	3.1610E-01
14	6.3891E-01	5.6651E-02	-1.7769E-01	-3.8333E-03
15	-5.6959E-01	-7.6105E-01	-1.6982E-01	-4.2812E-01
16	3.3143E+00	-3.5857E+00	-6.3096E-01	-1.0052E+00
17	-1.1630E+00	6.6107E-01	3.6759E-02	-5.3911E-02
18	6.3143E-01	-5.8826E-01	2.7260E-01	-2.4683E-01
19	2.9188E-01	1.0933E+00	2.7251E-02	-2.9269E-02
20	1.3329E-02	-5.3752E+00	3.5389E-01	-8.7885E-01

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	0.0000E+00	-1.1801E+01
1/2PP	0.0000E+00	9.4880E+01

Nth	COSINE	SINE	COSINE	SINE
01	0.0000E+00	0.0000E+00	3.8032E+01	6.3860E+01
02	0.0000E+00	0.0000E+00	-1.3948E+01	5.7688E+00
03	0.0000E+00	0.0000E+00	1.4364E+01	1.4582E+01
04	0.0000E+00	0.0000E+00	3.1825E+00	1.7831E+00
05	0.0000E+00	0.0000E+00	2.2069E+00	-1.8998E+01
06	0.0000E+00	0.0000E+00	-3.2542E+00	-1.4918E+01
07	0.0000E+00	0.0000E+00	9.6611E-01	-1.0865E+00
08	0.0000E+00	0.0000E+00	9.6351E-01	-2.0910E+00
09	0.0000E+00	0.0000E+00	-7.4936E-01	5.4624E-01
10	0.0000E+00	0.0000E+00	3.2942E+00	-3.6617E-01
11	0.0000E+00	0.0000E+00	-4.9464E-03	3.3115E+00
12	0.0000E+00	0.0000E+00	-7.9911E-01	3.6862E-01
13	0.0000E+00	0.0000E+00	5.2287E-01	-3.4702E-01
14	0.0000E+00	0.0000E+00	3.2219E+00	3.4187E+00
15	0.0000E+00	0.0000E+00	-2.8784E-01	1.4470E-01
16	0.0000E+00	0.0000E+00	6.6570E-01	-2.9390E-01
17	0.0000E+00	0.0000E+00	-3.4139E-01	-3.0538E-03
18	0.0000E+00	0.0000E+00	-6.3597E-02	-9.0475E-01
19	0.0000E+00	0.0000E+00	-2.3139E-02	1.9344E-01
20	0.0000E+00	0.0000E+00	-4.8447E-01	2.7633E-01

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.1023E+01	4.4495E+02
1/2PP	2.7367E+00	1.2137E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.2510E+00	-2.4375E+00	-9.9552E+02	5.1960E+02
02	2.7487E-01	9.5546E-02	5.9093E+01	1.1451E+01
03	3.3804E-01	8.3772E-02	1.3031E+02	-5.7640E+01
04	-3.1624E-02	3.3611E-03	1.9783E+01	-3.8442E+01
05	1.9283E-01	-2.4012E-02	4.3777E+01	-4.1919E+00
06	5.9374E-03	9.5437E-03	-6.7929E+00	1.1038E+01
07	-3.0213E-02	-3.1044E-02	-1.3429E+00	-9.2407E+00
08	1.2906E-02	1.6661E-02	-2.0365E+01	1.1563E+01
09	-4.7423E-02	3.3622E-02	4.8917E+00	-8.8402E+00
10	-1.4136E-02	-5.8198E-03	1.2861E+01	-6.0298E+00
11	-3.2698E-05	2.4446E-02	3.0216E+00	2.1181E+00
12	-1.7316E-02	5.1073E-03	1.8822E+00	-1.4623E+00
13	4.9062E-03	6.4543E-03	2.5607E+00	3.1317E+00
14	1.7557E-03	4.5578E-03	-3.8231E+00	-3.9024E-01
15	-4.2366E-03	-1.3400E-02	1.2522E+00	-2.6294E+00
16	-6.1410E-04	-4.6009E-03	-1.4963E+00	-4.9112E-01
17	3.4190E-03	-7.7940E-03	1.7797E+00	8.7225E-01
18	-1.5354E-03	-8.8221E-03	1.8935E+00	2.5791E+00
19	-9.2289E-04	-3.5480E-03	-1.4610E+00	-1.2370E+00
20	4.9199E-03	1.1838E-03	-7.3087E-01	2.1772E-01

	MR Shaft Torque, in-lb
MEAN	0.0000E+00
1/2PP	0.0000E+00

Nth	COSINE	SINE
01	0.0000E+00	0.0000E+00
02	0.0000E+00	0.0000E+00
03	0.0000E+00	0.0000E+00
04	0.0000E+00	0.0000E+00
05	0.0000E+00	0.0000E+00
06	0.0000E+00	0.0000E+00
07	0.0000E+00	0.0000E+00
08	0.0000E+00	0.0000E+00
09	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00
20	0.0000E+00	0.0000E+00

Flight 487, Condition C

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	1.1536E+04	-1.2300E+04
1/2PP	4.4747E+03	1.3859E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.0112E+03	1.5057E+03	-1.2761E+04	4.0459E+03
02	5.8731E+02	1.1585E+03	6.6025E+02	8.7403E+02
03	1.3476E+03	-1.9492E+03	1.8641E+03	-2.1696E+02
04	2.2093E+02	4.2336E+02	-4.0871E+01	1.8250E+02
05	-8.1497E+02	-9.6642E+02	5.3582E+02	4.6438E+01
06	5.3398E+02	-4.4518E+02	1.8251E+02	-7.2244E+00
07	5.1238E+02	-1.6311E+02	-6.5523E+01	-9.9456E+01
08	1.8401E+02	7.0628E+00	-1.5378E+01	1.3992E+01
09	3.3081E+01	-2.9463E+01	3.8128E+01	3.0404E+02
10	-9.6734E+01	1.7208E+01	-2.0071E+02	7.0171E+01
11	-9.0285E+01	3.0196E+01	-1.2477E+02	1.5043E+02
12	-5.6925E+01	1.1398E+02	8.3052E+01	-2.0413E+01
13	-7.2035E+01	5.9977E+01	-1.8563E+01	3.8145E+01
14	-7.6642E+00	-2.2362E+01	-1.3178E+01	2.5790E+00
15	2.7948E+01	-2.3365E+01	-2.1248E+01	-2.2491E+01
16	2.1114E+01	-2.3425E+01	-1.8785E+01	3.1385E+00
17	-2.1931E+01	-1.8724E+01	2.4959E+01	2.5787E+01
18	-2.4082E+01	-2.7032E+01	-7.3621E+01	7.0757E+01
19	-1.5379E+00	-2.2040E+01	-1.3204E+01	-1.3645E+01
20	1.3765E+01	-1.8087E+00	9.8185E-02	-3.3071E-01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.3606E+04	-3.4951E+03
1/2PP	1.6828E+03	4.4123E+03

Nth	COSINE	SINE	COSINE	SINE
01	8.6056E+02	4.9898E+02	-4.3665E+03	2.4539E+02
02	-6.9789E+01	4.9646E+02	2.0608E+02	4.8637E+02
03	4.9240E+01	-1.8656E+02	4.3229E+02	-6.4789E+01
04	2.1966E+01	-2.1082E+01	6.1546E+01	-9.2126E+00
05	1.3978E+02	3.4274E+02	1.3667E+02	8.3620E+01
06	-1.6054E+02	1.6550E+02	2.9917E+00	-1.7589E+01
07	-2.5964E+02	5.7141E+01	3.8675E+00	-3.5464E+01
08	-9.2585E+01	-2.3696E+00	-3.1780E+01	-2.3232E+01
09	2.1866E+01	-3.5902E+00	4.2579E+00	3.4338E+01
10	6.8407E+01	-3.1577E+01	-1.7491E+01	2.9905E+01
11	8.9193E+01	-2.4552E+01	-1.4174E+01	3.1098E+01
12	4.1019E+01	-9.5140E+01	2.6074E+01	-2.4974E+01
13	5.9927E+01	-4.5778E+01	2.5912E+00	2.5734E+00
14	-4.4594E+00	1.8777E+00	-7.4945E-01	-3.8699E+00
15	-2.7896E+01	2.2415E+01	5.1675E+00	-2.8004E+00
16	-1.1909E+01	2.2453E+01	-5.8148E+00	-5.2070E+00
17	2.3870E+01	2.2221E+01	2.1821E+00	9.7328E-01
18	3.2738E+01	2.6595E+01	4.0488E+00	7.4054E+00
19	8.0597E+00	2.4509E+01	2.0865E+00	-2.5480E+00
20	-1.5960E+01	-1.9600E-01	-5.0872E+00	-4.8759E-01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.3242E+04	-2.5417E+03
1/2PP	1.6391E+03	4.4701E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.6349E+02	2.2749E+01	-4.3151E+03	8.9404E+02
02	-2.6989E+02	2.0956E+02	3.7543E+02	2.1594E+02
03	-2.5204E+02	2.3855E+02	9.9398E+01	-2.6087E+02
04	-4.3270E+01	-1.6983E+02	1.0119E+02	-3.0135E+02
05	3.6871E+02	6.4013E+02	-7.0991E+01	-8.0950E+01
06	-3.1542E+02	2.7939E+02	-2.0481E+01	-3.2665E+01
07	-3.6870E+02	8.9381E+01	7.2530E+01	-3.3342E+01
08	-1.3186E+02	-2.8989E+00	-1.6926E+01	1.1715E+01
09	-3.8265E+00	1.5207E+00	-2.2421E+01	-1.1488E+02
10	7.2493E+01	-1.9870E+01	5.7021E+01	-3.2630E+01
11	6.6945E+01	-2.2284E+01	3.5289E+01	-5.8136E+01
12	2.2876E+01	-7.5374E+01	-1.8214E+01	-2.0864E+00
13	5.0296E+01	-4.0055E+01	5.8410E+00	-1.1073E+01
14	-8.0021E+00	-8.7255E+00	5.8973E+00	2.5500E+00
15	-8.9622E+00	1.1458E+01	5.2263E+00	8.1635E+00
16	-2.0783E+00	9.5371E+00	8.4459E-01	-4.1031E+00
17	4.3392E+00	-1.5856E+00	-1.1918E+01	-1.2003E+01
18	1.0275E+01	-2.5536E+00	2.9396E+01	-3.8501E+01
19	4.5323E+00	-7.8611E-01	6.3772E+00	9.3743E+00
20	1.4851E+00	1.3728E+00	1.4988E+00	1.3722E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	9.7731E+03	-7.6002E+03
1/2PP	1.9554E+03	6.1505E+03

Nth	COSINE	SINE	COSINE	SINE
01	9.0294E+01	-8.6080E+02	-5.2254E+03	1.9122E+03
02	-6.9656E+02	-7.9792E+01	6.8396E+02	1.5745E+02
03	-4.4011E+02	3.5651E+02	-2.4742E+02	-5.8517E+02
04	-7.8879E+01	-2.8576E+02	1.8940E+02	-6.0907E+02
05	3.9431E+02	4.5181E+02	-3.0785E+02	-2.3720E+02
06	-2.0203E+02	1.8714E+02	-7.2576E+01	-1.4757E+01
07	-1.2308E+02	7.7722E+01	2.4776E+01	1.4579E+01
08	-4.6236E+01	1.0965E+01	-2.9885E+00	3.5561E+01
09	-2.1085E+01	-2.0152E+01	-1.2123E+01	-1.6699E+02
10	-1.2033E+00	-3.7703E+00	8.9250E+01	-6.6313E+01
11	-4.4376E+01	-1.6930E+01	8.0998E+01	-8.3042E+01
12	-2.6887E+01	3.4433E+01	-4.9042E+01	2.1425E+01
13	-2.4124E+01	9.5122E+00	9.7689E+00	-2.6406E+01
14	7.5062E+00	-1.0764E+01	-2.4799E+00	5.0436E+00
15	2.9978E+01	-1.5923E+01	-2.0003E+01	1.2713E+01
16	1.8020E+01	-1.3414E+01	7.3231E+00	1.8363E+01
17	-1.6130E+01	-1.6460E+01	6.6975E+00	1.8510E+01
18	-2.5091E+01	-1.6690E+01	-1.6184E+01	2.1987E+01
19	-8.8218E+00	-1.5901E+01	-2.3348E+00	3.2782E+00
20	1.1258E+01	-6.5912E-02	-2.7522E-01	-1.2551E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	3.7923E+03	0.0000E+00
1/2PP	2.6057E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	5.7386E+02	-1.6711E+03	0.0000E+00	0.0000E+00
02	-1.1808E+03	-1.4479E+02	0.0000E+00	0.0000E+00
03	-5.7845E+02	4.7940E+02	0.0000E+00	0.0000E+00
04	-1.1555E+02	-7.5005E+01	0.0000E+00	0.0000E+00
05	7.8217E+01	-4.3233E+01	0.0000E+00	0.0000E+00
06	8.0722E+01	-7.6124E+01	0.0000E+00	0.0000E+00
07	2.0813E+02	-5.6740E+01	0.0000E+00	0.0000E+00
08	1.2882E+02	1.7002E+01	0.0000E+00	0.0000E+00
09	3.2999E+00	2.4254E+01	0.0000E+00	0.0000E+00
10	-6.1039E+01	1.4979E+01	0.0000E+00	0.0000E+00
11	-3.0300E+01	3.3133E+01	0.0000E+00	0.0000E+00
12	3.7566E+00	4.9695E+01	0.0000E+00	0.0000E+00
13	-2.8942E+01	2.4038E+01	0.0000E+00	0.0000E+00
14	-1.9670E+01	9.9219E-01	0.0000E+00	0.0000E+00
15	-2.2797E+01	1.3191E+00	0.0000E+00	0.0000E+00
16	-1.6873E+01	4.2052E+00	0.0000E+00	0.0000E+00
17	5.4481E+00	2.8258E+00	0.0000E+00	0.0000E+00
18	1.9994E+01	7.5197E+00	0.0000E+00	0.0000E+00
19	9.3464E+00	1.3137E+01	0.0000E+00	0.0000E+00
20	-6.0897E+00	-1.8219E+00	0.0000E+00	0.0000E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-3.2483E+02	-7.2444E+03
1/2PP	2.9452E+03	3.4032E+03

Nth	COSINE	SINE	COSINE	SINE
01	4.5080E+02	-1.3789E+03	-1.8692E+03	2.5793E+02
02	-1.5265E+03	-9.8784E+01	3.9079E+02	-1.2175E+02
03	-7.6373E+02	6.1206E+02	-7.6734E+02	-3.4256E+02
04	-9.7471E+01	1.5626E+02	4.4079E+01	-4.1515E+02
05	-1.9554E+02	-1.8315E+02	-5.3943E+02	-3.2002E+02
06	1.6842E+02	-6.5822E+01	-2.5593E+00	3.6475E+00
07	4.0585E+01	-3.6612E+01	-1.3100E+02	7.8349E+01
08	-3.6682E+01	-1.1806E+01	4.5660E+01	-5.8363E+01
09	2.9515E+00	1.3886E+01	4.1577E+01	1.7143E+02
10	4.2201E+01	9.4903E+00	-8.0332E+01	4.6260E+01
11	3.0131E+01	-1.5805E+01	-3.2401E+01	7.8930E+01
12	7.1083E-01	-9.1105E+01	4.7825E+01	-2.0719E+01
13	5.0865E+01	-3.8707E+01	9.8027E+00	5.4513E+00
14	1.7379E+01	7.2600E+00	-1.1100E+00	-3.2818E+00
15	4.2658E+00	9.1777E+00	1.1195E+01	4.8266E-01
16	8.0038E+00	-2.6494E+00	-5.6327E+00	-7.1023E+00
17	5.8501E+00	-7.9786E-01	-1.1011E+01	-1.5783E+01
18	-3.6100E+00	3.7192E-01	1.6089E+01	-3.1349E+01
19	-5.7396E+00	-4.7158E+00	-1.1955E+00	-1.5383E+00
20	1.3205E+00	9.7726E-01	-2.0194E+00	2.8722E-01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-1.8623E+03	0.0000E+00
1/2PP	1.8110E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	9.9958E+01	-1.2970E+02	0.0000E+00	0.0000E+00
02	-8.5089E+02	-3.4742E+00	0.0000E+00	0.0000E+00
03	-6.0491E+02	3.7224E+02	0.0000E+00	0.0000E+00
04	1.7072E+01	2.2814E+02	0.0000E+00	0.0000E+00
05	-6.5599E+01	-7.4891E+01	0.0000E+00	0.0000E+00
06	-3.7761E+01	1.1330E+01	0.0000E+00	0.0000E+00
07	-1.3901E+02	4.5255E+01	0.0000E+00	0.0000E+00
08	-4.9901E+01	-1.0613E+01	0.0000E+00	0.0000E+00
09	-8.8004E+00	-2.7810E+01	0.0000E+00	0.0000E+00
10	-1.5209E+00	9.6460E-01	0.0000E+00	0.0000E+00
11	-3.6086E+00	7.3831E+00	0.0000E+00	0.0000E+00
12	2.0478E+00	2.6409E+01	0.0000E+00	0.0000E+00
13	-2.0149E+01	1.5256E+01	0.0000E+00	0.0000E+00
14	-7.7807E+00	4.8396E+00	0.0000E+00	0.0000E+00
15	1.7144E+00	-5.8656E+00	0.0000E+00	0.0000E+00
16	1.9319E+00	-5.0215E+00	0.0000E+00	0.0000E+00
17	-1.6385E+00	3.4209E+00	0.0000E+00	0.0000E+00
18	-2.5615E+00	3.6245E+00	0.0000E+00	0.0000E+00
19	9.1363E-01	-1.2658E+00	0.0000E+00	0.0000E+00
20	2.1724E+00	-2.6697E+00	0.0000E+00	0.0000E+00

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-5.7852E+02	3.9317E+01
1/2PP	1.3520E+02	2.4146E+01

Nth	COSINE	SINE	COSINE	SINE
01	3.4233E+00	-3.9541E+00	2.4274E+00	2.6816E+00
02	-2.4398E+01	-4.9895E+00	1.2456E+00	2.9746E+00
03	-9.4600E-01	1.0568E+01	1.4717E-01	1.2771E-01
04	6.7767E+01	-1.0290E+01	-1.1568E+01	9.8464E+00
05	8.6965E+00	4.2889E+00	1.6888E-01	1.2888E-01
06	-1.3255E+00	2.4208E+00	1.5220E-01	-1.4832E+00
07	4.5481E-01	-7.3466E-01	2.4037E-02	-3.5247E-01
08	-1.0190E+01	-2.4426E+01	1.6181E+00	-1.6091E+00
09	1.5147E+00	8.3017E-01	1.3210E-01	-3.8310E-02
10	-2.7188E+00	1.3347E+00	-6.3153E-02	5.5700E-02
11	-9.3917E-01	1.8296E-01	1.5407E-01	3.2061E-01
12	2.3400E+01	-4.4722E+00	-1.1776E+00	1.9965E+00
13	4.8220E+00	4.6585E-01	-3.5541E-01	-2.1779E-01
14	-8.0894E-01	-9.9052E-02	7.3726E-02	7.0662E-02
15	8.4263E-01	-5.9458E-01	9.7304E-02	7.9647E-02
16	4.5957E+00	-5.6018E+00	-7.5440E-01	-1.5623E-01
17	-2.3633E+00	-3.7103E-01	-1.4050E-02	8.0726E-02
18	6.6552E-01	1.8530E-01	3.9131E-02	-1.2047E-01
19	-2.5820E-02	-9.5017E-01	8.6088E-02	6.5881E-02
20	4.6149E-01	-8.6117E-01	-3.3294E-03	-1.1931E-01

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	0.0000E+00	-1.3593E+01
1/2PP	0.0000E+00	9.9597E+01

Nth	COSINE	SINE	COSINE	SINE
01	0.0000E+00	0.0000E+00	5.9281E+01	4.9225E+01
02	0.0000E+00	0.0000E+00	-1.1799E+01	1.4744E+01
03	0.0000E+00	0.0000E+00	1.2846E+01	8.0347E+00
04	0.0000E+00	0.0000E+00	4.3780E+00	-2.0088E+00
05	0.0000E+00	0.0000E+00	3.3498E-01	-1.1599E+01
06	0.0000E+00	0.0000E+00	-5.9721E+00	-5.9576E+00
07	0.0000E+00	0.0000E+00	-1.7255E+00	-3.7358E+00
08	0.0000E+00	0.0000E+00	-3.6887E-01	-1.1082E+00
09	0.0000E+00	0.0000E+00	1.4458E+00	6.8953E-01
10	0.0000E+00	0.0000E+00	4.1261E+00	2.9024E-01
11	0.0000E+00	0.0000E+00	6.6512E-01	1.6546E+00
12	0.0000E+00	0.0000E+00	1.4795E+00	-1.2604E+00
13	0.0000E+00	0.0000E+00	-9.1462E-01	1.9785E+00
14	0.0000E+00	0.0000E+00	2.7788E+00	3.9966E+00
15	0.0000E+00	0.0000E+00	1.7883E-01	6.2444E-02
16	0.0000E+00	0.0000E+00	-6.6329E-01	1.3444E-01
17	0.0000E+00	0.0000E+00	-5.9098E-01	-2.1213E-01
18	0.0000E+00	0.0000E+00	-6.6812E-01	-2.2476E-01
19	0.0000E+00	0.0000E+00	-1.4393E-01	-1.4005E-01
20	0.0000E+00	0.0000E+00	6.4046E-02	1.0812E-01

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.0758E+01	4.4388E+02
1/2PP	2.8278E+00	1.1612E+03

Nth	COSINE	SINE	COSINE	SINE
01	8.6921E-01	-2.7090E+00	-8.9665E+02	6.2321E+02
02	2.6840E-01	-3.4458E-02	6.2970E+01	5.8665E-01
03	2.1302E-01	-2.8962E-02	8.5384E+01	-7.4711E+01
04	9.5046E-03	-1.6893E-02	-6.5436E-01	-4.5741E+01
05	7.6371E-02	-6.5162E-02	2.5401E+01	-1.2145E+01
06	-8.9503E-03	1.9985E-02	4.0553E+00	6.4494E+00
07	3.6011E-03	-3.0401E-02	-7.1097E+00	-4.4211E+00
08	1.2901E-02	-1.5454E-02	-6.1632E+00	1.4351E+01
09	2.6612E-02	4.9336E-02	-2.2077E+00	-7.6278E+00
10	9.9984E-03	-1.7230E-02	1.7696E+00	-1.0742E+01
11	-4.1735E-03	9.2930E-03	4.1226E+00	-2.1011E+00
12	2.1332E-02	-4.4578E-03	2.4804E+00	-5.5937E+00
13	6.7201E-03	-1.0026E-03	3.2735E+00	-4.0371E-02
14	3.0813E-05	2.1521E-02	-2.4422E-01	2.7365E+00
15	-5.6677E-04	1.4968E-03	-2.9285E+00	1.9636E-01
16	3.7150E-03	2.6321E-03	-2.2601E+00	6.3138E-01
17	7.0064E-03	7.9148E-03	-6.3598E-01	-2.0569E+00
18	-1.9671E-03	1.6353E-03	3.9919E+00	-8.2372E+00
19	4.0961E-03	4.0235E-03	4.0772E-01	3.2860E+00
20	-6.2564E-03	7.9573E-04	4.1687E-01	4.8027E-01

	MR Shaft Torque, in-lb
MEAN	1.0620E+05
1/2PP	8.2681E+03

Nth	COSINE	SINE
01	2.2447E+02	2.3215E+03
02	-3.4740E+02	4.2098E+03
03	-4.9628E+01	4.0782E+02
04	-7.6335E+02	2.5391E+03
05	1.9136E+01	1.4526E+02
06	-4.7449E+02	6.5979E+02
07	-1.1296E+02	2.3039E+02
08	2.4838E+02	-8.1960E+01
09	-5.7931E-01	-6.9934E+00
10	-2.0191E+01	-1.3100E+01
11	9.1793E+01	2.2172E+01
12	5.2927E+02	2.3550E+02
13	2.1522E+01	3.8655E+01
14	-1.7913E+00	2.6267E+00
15	-1.7061E+00	2.2288E+01
16	3.8475E+01	4.3310E+01
17	1.0389E+01	2.0050E+01
18	4.3424E+01	2.7498E+01
19	-6.7579E+00	1.1938E+01
20	1.2471E+01	-1.5646E+00

Flight 487, Condition D

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	1.2316E+04	-9.4615E+03
1/2PP	7.2661E+03	1.4654E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.6166E+03	2.1790E+03	-1.3134E+04	5.5125E+03
02	-6.1323E+02	5.8830E+01	9.3649E+02	8.7906E+02
03	2.0866E+03	-3.1763E+03	2.3630E+03	-5.6621E+02
04	-1.6649E+02	3.3277E+02	3.6344E+01	3.1198E+02
05	-7.5891E+02	-3.9635E+02	2.2774E+02	3.8130E+02
06	5.0580E+02	-4.8046E+01	2.8360E+02	1.1156E+02
07	4.9002E+02	1.0527E+02	9.9804E+01	-1.7529E+02
08	3.2989E+02	2.4972E+02	7.1327E+01	-2.2644E+01
09	1.3400E+02	3.2778E+01	-1.8543E+02	1.3059E+02
10	-4.4196E+01	-5.0470E+01	1.4506E+02	-3.0457E+02
11	-2.6746E+01	-8.9497E+01	1.4955E+01	-1.9456E+02
12	3.0445E+00	1.9443E+01	8.0956E+01	-2.1632E+01
13	-8.7372E+01	-3.8181E+01	7.2027E+01	-6.2680E+01
14	-1.1087E+01	-1.6356E+01	8.8349E+01	-4.5340E+01
15	3.4525E+00	4.1465E+01	1.0024E+02	-3.5719E+01
16	-8.5488E+00	4.6004E+01	9.4283E+01	-6.5093E+01
17	2.4296E+01	3.6470E+00	9.0299E+01	-7.6590E+01
18	7.4450E+00	2.8169E+01	1.2066E+02	-9.5141E+00
19	-9.2933E+00	1.2350E+00	7.4407E+01	-5.0307E+01
20	-2.5124E+00	-4.8918E+00	9.0317E+01	-4.8800E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.3715E+04	-1.9083E+03
1/2PP	1.7173E+03	4.8686E+03

Nth	COSINE	SINE	COSINE	SINE
01	-6.8568E+01	7.2532E+02	-4.8629E+03	5.9903E+02
02	-4.3990E+02	2.9927E+02	3.3574E+02	5.0680E+02
03	1.9493E+02	-3.3387E+02	5.9660E+02	-1.2065E+02
04	1.2250E+01	1.9905E+00	1.0219E+02	-1.1178E+01
05	8.7909E+01	2.0903E+02	1.0392E+02	1.2602E+02
06	-1.7019E+02	2.4194E+01	5.2776E+01	2.3478E+01
07	-2.0088E+02	-9.3635E+01	4.1534E+01	-3.9505E+01
08	-1.8606E+02	-1.2466E+02	-1.0587E+01	-3.8714E+01
09	-2.9088E+01	-3.3094E+01	2.3791E+00	1.4322E+01
10	4.1125E+01	4.2360E+01	5.7763E+01	-5.7384E+01
11	1.4064E+01	1.0017E+02	1.7127E+01	-3.9276E+01
12	4.4024E+00	-1.2495E+01	2.9713E+01	4.0205E+00
13	7.4391E+01	4.1592E+01	2.9776E+01	-9.2695E+00
14	1.2549E+01	3.8044E+00	3.4058E+01	-1.5290E+01
15	-1.3629E+00	-3.6737E+01	4.3740E+01	-2.2393E+01
16	6.9182E+00	-4.0201E+01	3.0663E+01	-3.1172E+01
17	-2.7393E+01	-5.7072E+00	2.9792E+01	-1.4655E+01
18	-1.1990E+01	-2.7434E+01	3.3512E+01	-2.3320E+01
19	1.5088E+01	-3.8076E+00	2.9910E+01	-2.3041E+01
20	1.0198E+01	7.1779E+00	3.5814E+01	-1.6606E+01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.3539E+04	-1.5460E+03
1/2PP	1.6085E+03	4.7695E+03

Nth	COSINE	SINE	COSINE	SINE
01	-3.1643E+02	1.4495E+02	-4.5385E+03	1.2951E+03
02	-4.1921E+02	2.1578E+02	5.3843E+02	2.2574E+02
03	-2.5596E+02	3.9219E+02	7.7779E+01	-4.0963E+02
04	6.2263E+01	-1.3033E+02	5.8789E+01	-4.2594E+02
05	3.0903E+02	3.4928E+02	4.9661E-01	-6.4341E+01
06	-3.1748E+02	2.1554E+01	3.7130E+01	-1.1134E+01
07	-2.9219E+02	-1.2470E+02	1.1440E+02	1.2957E+01
08	-2.3730E+02	-1.7478E+02	4.0086E+01	-1.4038E+01
09	-5.3788E+01	-3.6182E+01	1.4522E+02	-8.6021E+01
10	4.5508E+01	4.4078E+01	1.4212E+01	8.6615E+01
11	3.7802E+01	7.4353E+01	5.8216E+01	4.4851E+01
12	1.9870E+00	-8.0284E+00	3.4718E+01	-2.5267E+01
13	7.5235E+01	1.8219E+01	4.3342E+01	-7.2596E+00
14	1.7072E+01	-9.9378E+00	3.2869E+01	-1.1349E+01
15	4.2011E+00	-2.1979E+01	3.1256E+01	-1.5974E+01
16	1.3394E+01	-1.9372E+01	2.9967E+01	-1.8412E+01
17	8.6299E+00	-7.3085E+00	3.0417E+01	-8.6705E+00
18	8.5831E+00	-1.2926E+01	8.5315E+00	-3.3377E+01
19	1.3100E+01	-7.2199E+00	4.0678E+01	-2.4304E+01
20	1.3447E+01	-1.0321E+01	2.6757E+01	-2.7276E+01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.0071E+04	-6.8284E+03
1/2PP	2.4393E+03	6.6774E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.6138E+02	-9.4322E+02	-5.5419E+03	2.5320E+03
02	-7.1668E+02	1.5073E+02	8.3463E+02	1.2695E+02
03	-4.8099E+02	6.3231E+02	-4.6486E+02	-8.5264E+02
04	3.4286E+01	-2.7330E+02	6.9669E+01	-8.6149E+02
05	3.9972E+02	1.9269E+02	-9.5361E+01	-3.1922E+02
06	-2.3714E+02	2.8921E+01	-9.8334E-01	-5.4622E+01
07	-1.0811E+02	-3.4186E+01	8.1877E+01	3.0345E+01
08	-6.2195E+01	-2.2538E+01	8.2442E+01	3.6233E+00
09	-2.1066E+00	-8.8267E+00	2.0763E+02	-1.2962E+02
10	9.6565E+00	-9.9391E-01	2.6917E+00	1.4080E+02
11	3.2775E+01	-3.8963E+01	1.0128E+02	9.8326E+01
12	8.3432E+00	5.8551E+00	5.4928E+01	-4.5342E+01
13	-1.8561E+01	-3.6726E+01	8.0617E+01	-7.8213E+00
14	8.4518E+00	-1.5187E+01	4.3740E+01	-2.0401E+01
15	1.5876E+01	2.1200E+01	2.4075E+01	-2.8000E+01
16	1.1240E+01	2.5922E+01	5.0413E+01	-1.1576E+01
17	3.6822E+01	-4.4704E+00	4.0621E+01	-3.9074E+01
18	2.6891E+01	1.4287E+01	4.8974E+01	-1.6750E+01
19	2.0806E+00	-6.6998E+00	4.2981E+01	-2.4247E+01
20	4.0658E+00	-1.4707E+01	3.8039E+01	-3.1875E+01

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.0007E+03	0.0000E+00
1/2PP	3.3325E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	1.2096E+03	-2.0430E+03	0.0000E+00	0.0000E+00
02	-1.2111E+03	9.5963E+01	0.0000E+00	0.0000E+00
03	-5.7380E+02	6.6596E+02	0.0000E+00	0.0000E+00
04	-2.6962E+01	-1.0732E+02	0.0000E+00	0.0000E+00
05	6.1891E+01	-7.9729E+01	0.0000E+00	0.0000E+00
06	1.3462E+02	-1.2798E+01	0.0000E+00	0.0000E+00
07	1.9473E+02	9.5033E+01	0.0000E+00	0.0000E+00
08	1.7467E+02	1.0299E+02	0.0000E+00	0.0000E+00
09	5.9342E+01	1.6880E+01	0.0000E+00	0.0000E+00
10	-1.4262E+01	-3.2089E+01	0.0000E+00	0.0000E+00
11	-2.6313E+01	-4.6508E+01	0.0000E+00	0.0000E+00
12	1.1246E+01	-3.6496E+00	0.0000E+00	0.0000E+00
13	-1.9978E+01	6.6346E+00	0.0000E+00	0.0000E+00
14	-2.4086E-01	2.7363E+00	0.0000E+00	0.0000E+00
15	2.1083E+00	-1.3013E+01	0.0000E+00	0.0000E+00
16	6.2636E-01	-2.0032E+01	0.0000E+00	0.0000E+00
17	-1.6833E+01	-2.3339E+00	0.0000E+00	0.0000E+00
18	-9.0432E+00	-1.3143E+01	0.0000E+00	0.0000E+00
19	5.0366E+00	2.2477E+00	0.0000E+00	0.0000E+00
20	3.8042E+00	7.3678E+00	0.0000E+00	0.0000E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-3.3961E+02	-6.9805E+03
1/2PP	3.3472E+03	4.2766E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.2844E+03	-1.6748E+03	-2.2767E+03	3.3344E+02
02	-1.6894E+03	-1.1744E+02	4.4172E+02	4.7734E+01
03	-7.7848E+02	8.1846E+02	-1.0045E+03	-4.4077E+02
04	-5.7603E+01	1.0436E+02	-8.8710E+01	-6.2472E+02
05	-2.1098E+02	-9.0871E+01	-2.9752E+02	-4.6558E+02
06	1.1327E+02	3.7740E+01	1.7402E+01	-5.3998E+01
07	7.6640E+01	1.2098E+01	-1.4211E+02	-2.0224E+01
08	8.6704E+00	-1.3993E+01	2.4943E+01	-1.4538E+01
09	-3.3066E+01	-1.3205E+01	-1.2797E+02	1.2723E+02
10	1.2406E+01	1.6936E+01	7.9993E+01	-1.5172E+02
11	6.4099E+00	5.7134E+01	2.3259E+00	-7.6756E+01
12	-6.0767E+00	-9.5040E+00	3.5127E+01	2.0402E+01
13	5.1693E+01	8.9997E+00	3.0716E+01	-9.4749E+00
14	1.8824E+01	-1.4392E+01	3.7418E+01	-1.3114E+01
15	8.2716E+00	-9.1057E+00	4.5487E+01	-4.3363E+00
16	8.1883E+00	-3.3486E+00	2.4188E+01	-1.6617E+01
17	2.1504E+01	-7.3371E+00	3.4795E+01	2.6233E+00
18	1.8281E+01	2.1360E+00	2.1915E+01	-2.1327E+01
19	9.1327E+00	-9.5221E+00	3.6590E+01	-1.7298E+01
20	1.0298E+01	-1.6226E+01	3.0748E+01	-1.7460E+01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-1.9343E+03	0.0000E+00
1/2PP	1.9366E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	1.5038E+02	-1.9107E+02	0.0000E+00	0.0000E+00
02	-8.9036E+02	9.0118E+00	0.0000E+00	0.0000E+00
03	-6.0725E+02	3.4872E+02	0.0000E+00	0.0000E+00
04	-8.6378E+01	2.4975E+02	0.0000E+00	0.0000E+00
05	-6.1443E+01	5.9856E+01	0.0000E+00	0.0000E+00
06	1.1903E+01	-3.8964E+01	0.0000E+00	0.0000E+00
07	-1.1854E+02	-8.0104E+01	0.0000E+00	0.0000E+00
08	-7.4881E+01	-4.8539E+01	0.0000E+00	0.0000E+00
09	2.6989E+01	-7.3089E+00	0.0000E+00	0.0000E+00
10	3.2120E+01	-6.1669E+00	0.0000E+00	0.0000E+00
11	2.0546E+01	-2.2205E+01	0.0000E+00	0.0000E+00
12	2.2426E+01	-1.9733E+00	0.0000E+00	0.0000E+00
13	5.9348E+00	-1.9656E+01	0.0000E+00	0.0000E+00
14	1.4593E+01	-6.4059E+00	0.0000E+00	0.0000E+00
15	1.4278E+01	-1.6386E+00	0.0000E+00	0.0000E+00
16	1.8192E+01	-6.5445E+00	0.0000E+00	0.0000E+00
17	1.6024E+01	-1.1369E+01	0.0000E+00	0.0000E+00
18	1.3341E+01	-1.3940E+01	0.0000E+00	0.0000E+00
19	1.4074E+01	-8.7352E+00	0.0000E+00	0.0000E+00
20	1.5102E+01	-7.0047E+00	0.0000E+00	0.0000E+00

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-7.0919E+02	3.2384E+01
1/2PP	1.2740E+02	1.9507E+01

Nth	COSINE	SINE	COSINE	SINE
01	7.0141E+00	6.9851E-01	2.0066E+00	3.9573E+00
02	-2.3404E+01	-5.5921E+00	2.1011E+00	4.0759E+00
03	-1.3538E+01	8.2295E+00	-1.7380E-01	-3.2525E-01
04	4.8503E+01	2.2208E+01	-6.9886E+00	7.0259E+00
05	3.5934E-01	-5.0518E-02	2.6588E-01	-2.7048E-02
06	-5.2695E-01	2.0590E+00	1.1432E+00	-1.2297E+00
07	4.2759E+00	1.5294E+00	-5.5665E-01	-4.6939E-01
08	3.0190E+01	-2.7769E+01	-1.0374E+00	9.6298E-01
09	1.1577E-01	3.3531E-01	1.1948E-01	-3.4556E-02
10	-2.2312E+00	-8.9821E-01	-1.6731E-01	1.3587E-01
11	-3.2904E+00	-6.6565E-01	-2.9654E-01	4.4655E-01
12	1.3344E+01	-1.2697E+01	-2.2967E+00	1.2818E-01
13	3.2648E-01	1.6682E+00	9.8154E-02	-3.9693E-01
14	-2.5613E+00	8.0789E-01	6.6612E-02	-2.5717E-01
15	-4.3352E-01	6.5551E-01	7.8519E-02	-2.7190E-01
16	2.0105E-01	5.6874E+00	3.0697E-02	-9.9944E-01
17	-1.9648E+00	3.1949E-01	2.9771E-01	9.2700E-02
18	-1.1429E+00	9.0565E-02	2.1224E-01	1.2422E-01
19	-1.8665E+00	7.1614E-02	2.2185E-01	-6.4508E-02
20	2.4306E+00	1.7772E+00	9.7702E-01	-2.8603E-01

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	0.0000E+00	-2.5339E+01
1/2PP	0.0000E+00	1.1931E+02

Nth	COSINE	SINE	COSINE	SINE
01	0.0000E+00	0.0000E+00	8.2590E+01	5.1993E+01
02	0.0000E+00	0.0000E+00	-1.8408E+01	2.5035E+01
03	0.0000E+00	0.0000E+00	7.9570E+00	5.8245E+00
04	0.0000E+00	0.0000E+00	1.7722E+00	1.2352E+00
05	0.0000E+00	0.0000E+00	-8.7295E-01	-5.0973E+00
06	0.0000E+00	0.0000E+00	3.7792E+00	2.9165E-01
07	0.0000E+00	0.0000E+00	6.7528E-01	-9.3894E-01
08	0.0000E+00	0.0000E+00	2.2038E+00	-2.8244E+00
09	0.0000E+00	0.0000E+00	-4.0180E-01	2.2671E-01
10	0.0000E+00	0.0000E+00	-8.7639E-01	2.2859E+00
11	0.0000E+00	0.0000E+00	-4.7234E+00	-1.0914E-02
12	0.0000E+00	0.0000E+00	-4.5749E-01	-1.6298E+00
13	0.0000E+00	0.0000E+00	-2.7023E+00	1.6451E-01
14	0.0000E+00	0.0000E+00	2.8079E-02	3.8102E+00
15	0.0000E+00	0.0000E+00	-3.0148E-01	4.7985E-01
16	0.0000E+00	0.0000E+00	-2.2192E-01	-1.0847E-01
17	0.0000E+00	0.0000E+00	-1.0918E-01	4.8891E-02
18	0.0000E+00	0.0000E+00	8.0158E-02	1.1148E+00
19	0.0000E+00	0.0000E+00	-8.5284E-01	5.7353E-01
20	0.0000E+00	0.0000E+00	-5.9195E-01	-1.8327E-01

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.2034E+01	4.5129E+02
1/2PP	3.4070E+00	1.1937E+03

Nth	COSINE	SINE	COSINE	SINE
01	7.1380E-01	-3.5439E+00	-8.3733E+02	7.7731E+02
02	2.1180E-01	1.1817E-01	6.6896E+01	-2.0669E+01
03	3.4471E-01	-1.6037E-01	8.3540E+01	-1.3097E+02
04	-5.1844E-02	1.1449E-02	-1.4804E+01	-4.7402E+01
05	1.0973E-02	1.0742E-01	1.4220E+01	5.1115E+00
06	3.9504E-02	-1.5464E-02	7.4893E+00	-9.0119E-01
07	-2.6936E-02	1.0583E-02	1.1353E+01	-9.8293E+00
08	1.3604E-02	2.2530E-02	4.7468E+00	-2.2666E-01
09	-2.5435E-02	2.5853E-02	6.4217E+00	-1.5842E+01
10	-2.3810E-02	9.7206E-03	2.5888E-02	7.1286E+00
11	-3.0694E-02	-7.7653E-03	8.3388E+00	8.4086E+00
12	-2.3734E-02	2.1837E-02	7.6898E+00	-9.4142E+00
13	-1.6247E-02	2.2096E-02	1.1383E+01	-2.6456E+00
14	-1.1572E-02	1.3954E-03	4.7046E+00	-1.0045E+00
15	-1.5232E-02	1.5648E-02	5.5166E+00	4.9854E-01
16	-1.8977E-02	-5.3892E-03	5.5542E+00	-6.7372E+00
17	-1.5813E-02	-2.4301E-03	4.7802E+00	-3.6978E+00
18	-1.1005E-02	1.0188E-02	3.6231E-01	-5.0056E+00
19	-1.4056E-02	4.3166E-03	1.0813E+01	-4.1474E+00
20	-3.9188E-03	1.4300E-02	6.1230E+00	-4.6506E+00

	MR Shaft Torque, in-lb
MEAN	1.2611E+05
1/2PP	9.3821E+03

Nth	COSINE	SINE
01	-4.9239E+01	1.1518E+03
02	6.0627E+02	5.6721E+03
03	2.3770E+01	6.2905E+02
04	-4.0203E+02	3.3652E+03
05	-7.0982E+00	-6.9311E+01
06	-2.7149E+02	7.1650E+02
07	-2.4143E+01	1.7351E+02
08	2.1839E+02	2.7202E+01
09	5.3281E+00	-3.3552E+01
10	-1.6960E+02	3.4508E+00
11	4.5920E+01	-6.2716E+01
12	-6.8237E+01	3.1357E+01
13	2.8709E+01	-3.8672E+00
14	-1.8391E+01	-5.7295E+01
15	-6.2988E+01	-3.4749E+01
16	-1.7493E+01	9.5051E+01
17	6.5536E+00	-4.7817E+01
18	-5.4517E+00	-4.9810E+01
19	1.3330E+01	-1.6638E+01
20	2.2445E+01	1.7358E+00

Flight 487, Condition F

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	1.5211E+04		1.5808E+03	
1/2PP	1.9642E+04		2.0040E+04	

Nth	COSINE	SINE	COSINE	SINE
01	-3.1943E+03	5.2562E+03	-1.4677E+04	1.1394E+04
02	-7.0543E+03	-2.8446E+03	1.3871E+03	9.9715E+02
03	3.4492E+03	-1.0469E+04	3.0750E+03	-2.6499E+03
04	-1.2713E+03	1.3122E+03	5.8692E+02	5.6925E+02
05	6.4960E+02	-2.1388E+01	1.2317E+03	1.0703E+02
06	-7.9074E+01	9.9573E+01	7.2139E+01	-5.8776E+01
07	-6.8504E+01	-1.3482E+02	-6.5012E+01	9.1421E+01
08	-7.9097E+01	1.5644E+02	-5.5201E+00	2.8055E+01
09	-2.6087E+01	4.8169E+01	2.8241E+00	-1.7646E+02
10	-1.2955E+01	1.3038E+01	2.9512E+02	2.1878E+02
11	-4.5017E+01	7.5579E+01	2.6100E+02	9.0043E+01
12	-1.0490E+02	8.5977E+01	-6.3275E+00	1.1580E+01
13	6.9234E+01	1.9322E+01	7.8878E+01	-1.1397E+01
14	1.4327E+01	-1.4568E+01	4.1770E+00	4.1684E+00
15	5.6205E+00	-9.4990E+00	-2.1536E+01	6.5639E+00
16	8.3185E+00	-3.7225E+01	3.6018E-01	-2.8136E+00
17	-4.3898E+01	-8.2115E-01	1.6533E+01	-1.5069E+01
18	-1.0761E+01	-1.5941E+01	-5.6350E+01	1.9824E+01
19	2.3643E+00	-4.0187E+00	-8.4486E+00	1.7202E+01
20	-3.2707E-01	-6.7335E+00	1.0619E+01	2.0203E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.4438E+04	4.0223E+03
1/2PP	4.1612E+03	7.7375E+03

Nth	COSINE	SINE	COSINE	SINE
01	-5.1366E+02	1.5471E+03	-7.3662E+03	3.0963E+03
02	-2.1569E+03	-4.1660E+01	4.5157E+02	4.9265E+02
03	4.2932E+02	-1.2561E+03	1.2404E+03	-1.0794E+03
04	5.8316E+01	6.8041E+01	9.0828E+01	-1.5126E+02
05	-2.6488E+02	2.8452E+02	1.7365E+02	1.6916E+02
06	4.7881E+00	-9.2987E+01	-2.1575E+01	5.9371E+01
07	7.2077E+01	1.4330E+01	6.9773E+00	-5.2217E+01
08	3.0473E+01	-7.2856E+01	2.2155E+01	-1.0091E+01
09	4.5299E+01	-1.0279E+01	6.6945E+00	1.0795E+01
10	1.6466E+01	-2.7104E+00	6.8815E+01	4.8524E+01
11	1.1059E+01	-1.2044E+02	5.8976E+01	-4.2496E+00
12	6.9852E+01	-7.4164E+01	-1.3368E+01	-1.0523E+01
13	-2.0969E+01	1.1999E+01	4.4258E+00	-9.1869E+00
14	-7.8080E+00	2.0947E+00	1.2944E+01	-9.2329E+00
15	-5.9221E+00	1.8765E+01	-1.9187E+01	-1.5743E+01
16	-6.2711E+00	2.8978E+01	-8.1668E+00	5.2057E+00
17	4.8767E+01	-6.7455E+00	1.2606E+01	-5.4988E-01
18	1.5217E+01	9.8033E+00	-1.9631E+00	4.4025E+00
19	2.4220E+00	1.1584E+01	-1.7708E+00	6.4309E+00
20	-3.7284E+00	8.9044E+00	4.7972E+00	5.2091E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.4774E+04	2.1651E+03
1/2PP	2.5370E+03	7.1537E+03

Nth	COSINE	SINE	COSINE	SINE
01	-5.5492E+02	8.2817E+02	-5.8257E+03	3.3754E+03
02	-1.0809E+03	3.2242E+02	9.2053E+02	2.7295E+02
03	-3.7584E+02	1.1464E+03	-2.0610E+02	-1.2056E+03
04	3.1371E+02	-2.9683E+02	-9.3415E+02	-7.0446E+02
05	-4.9775E+02	3.0148E+02	6.3068E+01	1.2986E+00
06	-6.3718E-01	-1.0451E+02	-2.1966E+01	3.3851E+00
07	8.3384E+01	4.4518E+01	-1.1120E+01	9.7298E+00
08	5.3675E+01	-1.2072E+02	1.1819E+01	4.3901E+01
09	4.8668E+01	-2.6294E+01	-6.6533E+00	5.1408E+01
10	4.3208E+00	-1.5003E+01	-1.1198E+02	-6.6401E+01
11	5.6865E+00	-6.5796E+01	-9.0519E+01	-3.9153E+01
12	6.0982E+01	-6.0945E+01	8.4377E+00	-6.7993E+00
13	-5.6233E+01	-5.6417E-01	-1.4886E+01	1.3739E+01
14	-6.1782E+00	5.2759E+00	-2.8237E+00	7.7250E-01
15	3.5098E+00	-3.3386E+00	-2.2258E-01	-2.8769E+00
16	1.4525E+00	1.3694E+01	-2.8537E+00	-2.8257E+00
17	1.1621E+01	7.4562E+00	-1.0274E+01	3.2996E+00
18	6.1199E+00	6.6223E+00	2.2499E+01	-1.4676E+01
19	-3.9217E+00	-1.3754E+00	2.8077E+00	-6.4776E+00
20	5.0685E+00	2.6237E+00	-6.6163E+00	-5.5060E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.1096E+04	-4.2653E+03
1/2PP	3.4751E+03	9.3558E+03

Nth	COSINE	SINE	COSINE	SINE
01	9.0605E+02	-7.3801E+02	-6.1790E+03	5.0974E+03
02	-7.2244E+02	8.3073E+02	1.3016E+03	2.1433E+02
03	-8.4105E+02	2.1376E+03	-1.8430E+03	-1.7971E+03
04	2.7820E+02	-4.6029E+02	-1.9947E+03	-1.3475E+03
05	-3.5188E+02	1.2625E+02	-3.1156E+02	-1.9056E+02
06	-3.9724E+01	-4.5905E+01	-1.0612E+01	-9.3293E+01
07	4.6659E+01	1.5413E+01	-4.0562E+01	2.7452E+01
08	4.9036E+00	-4.4031E+01	2.6479E+00	4.4015E+01
09	9.4802E+00	-2.5068E+01	-1.6576E+00	4.6096E+01
10	-1.8029E+01	-4.4689E+00	-1.8100E+02	-1.2079E+02
11	-1.1715E+01	6.1832E+01	-1.8959E+02	-5.8410E+01
12	-3.7013E+01	3.9929E+01	3.3107E+01	5.9600E+00
13	-9.2538E+00	5.1775E+00	-2.5317E+01	3.1720E+01
14	-7.2959E-01	9.5397E+00	-2.0095E+01	7.3911E+00
15	3.9039E+00	-1.5172E+01	3.4264E+01	3.6850E+01
16	4.3296E+00	-1.7968E+01	1.8360E+01	1.5554E+01
17	-4.0110E+01	2.3535E+00	1.0428E+01	-8.6429E-01
18	-1.5190E+01	-5.4363E+00	-5.9250E+00	9.7219E+00
19	-2.2007E+00	-8.2036E+00	-9.4684E-01	-2.1186E+00
20	5.2806E-01	-3.2265E+00	-5.0128E+00	-3.7674E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.5989E+03	0.0000E+00
1/2PP	5.2562E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	2.4260E+03	-2.3363E+03	0.0000E+00	0.0000E+00
02	-1.3159E+03	7.5268E+02	0.0000E+00	0.0000E+00
03	-6.2788E+02	2.0054E+03	0.0000E+00	0.0000E+00
04	5.8259E+01	-2.5355E+02	0.0000E+00	0.0000E+00
05	1.1868E+02	-9.8561E+01	0.0000E+00	0.0000E+00
06	-6.0504E+01	1.2433E+01	0.0000E+00	0.0000E+00
07	-1.9133E+01	-5.9151E+01	0.0000E+00	0.0000E+00
08	-2.7904E+01	6.2975E+01	0.0000E+00	0.0000E+00
09	-3.9505E+01	3.1254E+01	0.0000E+00	0.0000E+00
10	-2.3545E+00	8.9486E+00	0.0000E+00	0.0000E+00
11	9.7411E+00	1.8700E+01	0.0000E+00	0.0000E+00
12	-1.7343E+01	2.1539E+01	0.0000E+00	0.0000E+00
13	2.9927E+01	-8.0288E+00	0.0000E+00	0.0000E+00
14	3.5381E+00	-6.7329E+00	0.0000E+00	0.0000E+00
15	-5.4605E+00	1.1696E+01	0.0000E+00	0.0000E+00
16	-5.0313E+00	1.4543E+01	0.0000E+00	0.0000E+00
17	2.4237E+01	-2.1682E+00	0.0000E+00	0.0000E+00
18	1.0609E+01	6.3491E+00	0.0000E+00	0.0000E+00
19	-1.1377E+00	5.7905E+00	0.0000E+00	0.0000E+00
20	-1.2050E+00	2.4924E+00	0.0000E+00	0.0000E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-8.1568E+00	-6.2643E+03
1/2PP	5.1675E+03	6.1378E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.3040E+03	-2.2522E+03	-3.0227E+03	1.2412E+03
02	-2.1397E+03	4.5669E+02	5.8851E+02	2.0282E+02
03	-5.9069E+02	1.2780E+03	-2.2027E+03	-2.8143E+02
04	-1.8436E+02	3.4469E+02	-1.5031E+03	-8.5633E+02
05	1.0073E+02	-8.3840E+01	-8.4960E+02	-1.6411E+02
06	8.0647E+01	6.1595E+01	3.1205E+01	-1.4013E+02
07	-8.6324E+01	1.8205E+01	-1.2966E+01	-7.6503E+01
08	9.2933E-01	-1.5840E+01	-5.1540E+01	-9.5115E+01
09	5.0149E+00	1.3240E+01	3.5825E+01	-5.7101E+01
10	3.0990E+00	-4.4982E-01	1.9142E+02	1.1828E+02
11	2.2287E+00	-6.5112E+01	1.5295E+02	3.5762E+01
12	5.2138E+01	-4.5792E+01	-1.1113E+01	-1.1613E+01
13	-3.4423E+01	4.5804E+00	6.8204E+00	-2.3252E+01
14	-2.1693E+00	6.2969E+00	8.4403E+00	1.4733E+00
15	6.2117E+00	-1.9336E+00	-1.9126E+01	-2.3286E+01
16	6.1210E+00	-3.7391E+00	-1.0724E+01	-8.4841E+00
17	-9.5368E+00	4.4708E+00	-1.4311E+01	8.3274E-01
18	-4.7153E+00	-3.1978E+00	1.0647E+01	-7.3219E+00
19	3.9831E-01	-2.5812E+00	1.3538E-01	-3.2805E+00
20	5.9616E-01	6.5339E-02	8.6003E-01	2.4116E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-2.0004E+03	0.0000E+00
1/2PP	2.1138E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	1.8994E+02	-4.0040E+02	0.0000E+00	0.0000E+00
02	-1.3605E+03	1.3298E+02	0.0000E+00	0.0000E+00
03	-3.7618E+02	3.8221E+02	0.0000E+00	0.0000E+00
04	-1.6497E+02	3.4799E+02	0.0000E+00	0.0000E+00
05	-6.3826E+01	1.1647E+02	0.0000E+00	0.0000E+00
06	2.8720E+01	-1.7558E+01	0.0000E+00	0.0000E+00
07	3.2648E+01	3.1351E+01	0.0000E+00	0.0000E+00
08	2.3405E+01	-2.3585E+01	0.0000E+00	0.0000E+00
09	7.4013E+00	-1.2531E+01	0.0000E+00	0.0000E+00
10	-4.1682E+00	-1.0904E+01	0.0000E+00	0.0000E+00
11	3.5173E+00	2.8662E+01	0.0000E+00	0.0000E+00
12	-2.2809E+01	2.3932E+01	0.0000E+00	0.0000E+00
13	1.0083E+01	-2.3475E+00	0.0000E+00	0.0000E+00
14	1.4870E+00	-3.3436E+00	0.0000E+00	0.0000E+00
15	-2.1975E+00	6.1409E-01	0.0000E+00	0.0000E+00
16	-2.1252E+00	-1.7543E-01	0.0000E+00	0.0000E+00
17	1.3691E+00	-1.8403E+00	0.0000E+00	0.0000E+00
18	1.6816E+00	7.7431E-01	0.0000E+00	0.0000E+00
19	6.8902E-03	1.0980E+00	0.0000E+00	0.0000E+00
20	-2.2769E-01	2.6297E-01	0.0000E+00	0.0000E+00

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.1164E+03	1.8032E+01
1/2PP	3.9119E+02	4.6091E+01

Nth	COSINE	SINE	COSINE	SINE
01	2.0760E+01	1.9712E+01	-4.0783E-01	4.1643E+00
02	-3.9433E+01	1.9178E+01	2.9059E+00	8.9910E+00
03	-1.6211E+01	3.8925E+01	-3.3332E-01	-2.9946E+00
04	2.0206E+02	-2.5093E+02	-3.0149E+01	1.1864E+01
05	5.4653E-01	-1.0058E+01	1.9348E-01	1.1321E+00
06	-3.6682E+00	-1.1224E+01	1.6252E-01	-7.1197E-01
07	5.5666E+00	2.3141E-01	-1.1209E+00	1.0996E-01
08	-1.6730E+01	1.0140E+01	-5.1626E+00	1.8777E-01
09	-3.2569E-01	-1.4126E+00	-1.0979E-01	-1.9892E-02
10	3.4564E+00	2.9439E+00	2.5332E-01	-2.0581E-01
11	3.2103E+00	-5.4705E+00	3.2387E-01	6.9724E-01
12	1.4586E+01	3.0202E+01	-2.1274E+00	4.3636E-01
13	-1.0737E+00	1.5068E+00	-1.1997E-01	-4.8097E-02
14	2.0794E-01	-1.2066E+00	-1.5886E-02	2.9038E-01
15	-2.9521E-01	2.4572E-01	9.2610E-02	-2.4231E-01
16	3.5557E+00	-2.9356E+00	1.2327E+00	6.4681E-01
17	2.1383E+00	7.0368E-01	2.5436E-02	-5.5368E-02
18	-4.9296E-01	7.0310E-01	-1.3708E-01	1.9740E-01
19	1.5924E+00	-4.3378E-01	-1.1839E-01	-1.4028E-01
20	-2.0456E+00	2.0696E+00	1.6961E+00	7.2627E-01

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	0.0000E+00	-5.8636E+01
1/2PP	0.0000E+00	2.1482E+02

Nth	COSINE	SINE	COSINE	SINE
01	0.0000E+00	0.0000E+00	1.5606E+02	4.2324E+01
02	0.0000E+00	0.0000E+00	-7.0432E+00	6.3049E+01
03	0.0000E+00	0.0000E+00	-1.8635E+01	4.7722E+01
04	0.0000E+00	0.0000E+00	1.3283E+01	-3.3017E+01
05	0.0000E+00	0.0000E+00	-6.8967E+00	-4.6398E+00
06	0.0000E+00	0.0000E+00	6.0414E+00	1.5688E+01
07	0.0000E+00	0.0000E+00	-7.0631E-01	6.8955E+00
08	0.0000E+00	0.0000E+00	1.5004E+00	1.1678E+00
09	0.0000E+00	0.0000E+00	-8.4825E-01	-8.4376E-01
10	0.0000E+00	0.0000E+00	3.6155E+00	1.1488E-01
11	0.0000E+00	0.0000E+00	2.5644E+00	8.9120E-01
12	0.0000E+00	0.0000E+00	1.3010E+00	1.9575E+00
13	0.0000E+00	0.0000E+00	1.2234E+00	-8.2233E-02
14	0.0000E+00	0.0000E+00	-6.5736E-01	7.2000E-01
15	0.0000E+00	0.0000E+00	-1.1575E+00	-6.5645E-01
16	0.0000E+00	0.0000E+00	-1.7290E-01	3.3318E-01
17	0.0000E+00	0.0000E+00	-6.5215E-02	3.0872E-01
18	0.0000E+00	0.0000E+00	8.2627E-02	-8.8606E-01
19	0.0000E+00	0.0000E+00	-2.1208E-01	4.3291E-02
20	0.0000E+00	0.0000E+00	4.3071E-01	5.3812E-03

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.6234E+01	5.3492E+02
1/2PP	5.9801E+00	1.3162E+03

Nth	COSINE	SINE	COSINE	SINE
01	8.1990E-01	-6.0574E+00	-4.2335E+02	1.1234E+03
02	3.2885E-01	4.2989E-01	7.4939E+01	-1.8907E+00
03	1.9186E-01	-3.9291E-01	-1.1444E+02	-1.9913E+02
04	-5.0363E-02	-8.6723E-02	-1.2440E+02	-3.2850E+01
05	1.4587E-01	5.5740E-02	9.4154E+01	-3.6655E+01
06	6.9814E-02	1.9491E-02	3.2977E+00	-3.1292E+01
07	-4.4592E-02	1.4673E-02	-3.6381E+00	3.4317E+01
08	-2.4477E-02	7.5549E-02	-5.9377E-02	1.3045E+01
09	1.8936E-02	-3.9895E-02	-3.0073E+00	-1.4492E+01
10	3.8596E-03	-5.5803E-03	-1.5844E+01	-1.0458E+01
11	3.4137E-02	7.7612E-03	-7.2199E+00	-6.7367E+00
12	2.5944E-02	-5.1168E-03	1.1272E+01	-3.5595E+00
13	3.0580E-02	-2.9155E-02	2.9061E+00	-1.4248E+00
14	-7.2470E-03	2.6007E-02	-2.9030E+00	6.0044E+00
15	7.4214E-03	1.5938E-02	-1.8531E-01	2.9724E+00
16	4.3704E-04	3.3559E-04	-1.7395E+00	-4.1607E+00
17	-7.3336E-03	2.5101E-03	-5.2305E+00	-4.3428E-01
18	-1.2073E-02	4.2437E-05	3.6001E+00	-2.1425E+00
19	2.3489E-03	-1.3148E-02	3.0018E-01	-2.0706E+00
20	-9.4233E-03	6.6149E-03	-9.5946E-01	1.0981E+00

	MR Shaft Torque, in-lb
MEAN	1.9360E+05
1/2PP	2.1121E+04

Nth	COSINE	SINE
01	6.5857E+02	1.7892E+03
02	6.8981E+03	8.2295E+03
03	3.6731E+02	7.3437E+02
04	7.4059E+03	7.0996E+03
05	3.3432E+01	-1.4306E+01
06	1.1521E+03	1.3211E+03
07	2.1324E+02	7.4680E+01
08	-3.1465E+02	-2.2475E+02
09	-3.1823E+01	-3.3923E+01
10	-5.9217E+01	2.3105E+02
11	-2.3451E+01	2.5064E+01
12	-7.5394E+01	5.2011E+02
13	3.7521E+01	7.2173E+01
14	-3.4986E+02	-7.0835E+01
15	3.7269E+01	3.7161E+01
16	6.0783E+01	2.9582E+01
17	2.7070E+01	2.0739E+01
18	-2.8058E+01	5.2272E-01
19	2.9315E+01	2.8067E+01
20	2.3012E+01	1.2484E+01

Flight 487, Condition H

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	1.5855E+04	1.0422E+04
1/2PP	3.0425E+04	2.2885E+04

Nth	COSINE	SINE	COSINE	SINE
01	3.6434E+02	8.3400E+03	-1.9201E+04	3.1694E+03
02	-1.0448E+04	-5.9661E+03	3.9850E+03	3.6627E+03
03	7.6724E+03	-1.3025E+04	6.2320E+02	2.8516E+03
04	-1.7389E+03	2.8960E+03	-3.0246E+03	4.0949E+02
05	1.9937E+03	4.5092E+02	-3.1401E+02	1.1718E+03
06	-4.3670E+02	5.1406E+02	2.2943E+02	-6.1012E+02
07	1.3549E+02	-5.1904E+02	-1.3730E+02	4.3693E+02
08	-7.4537E+01	4.1149E+02	-5.8338E+01	-3.7455E+02
09	-1.5475E+01	-9.7595E+01	2.4279E+02	1.6179E+02
10	8.3256E+00	9.8171E+01	8.9862E+01	-1.9533E+02
11	-3.8902E+01	-2.1973E-02	-6.4890E+00	2.4032E+02
12	-3.0143E+02	7.2400E+01	6.5380E+01	-1.5611E+02
13	9.3047E+01	-4.0020E+01	-5.7686E+01	1.3685E+02
14	-4.6904E+01	2.0011E+01	6.6610E+01	-1.9916E+02
15	1.4047E+01	-5.5141E+01	-3.8750E+01	1.3870E+02
16	-2.7099E+01	-1.1772E+01	3.8049E+00	-1.3711E+02
17	8.3442E+00	-5.6144E+01	-9.0650E+00	1.1801E+02
18	-1.0790E+01	2.8810E+01	2.7077E+01	-1.2588E+02
19	3.2442E+01	-2.4404E+01	-4.4863E+01	1.1005E+02
20	-1.4973E+01	2.4666E+01	4.9876E+01	-9.5140E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.4713E+04	8.9447E+03
1/2PP	6.3981E+03	9.4295E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.1906E+03	2.2777E+03	-8.9830E+03	3.6868E+03
02	-3.2879E+03	-5.9782E+02	5.0468E+02	6.9547E+02
03	1.0146E+03	-1.6489E+03	1.7336E+03	-1.4195E+03
04	-6.1797E+00	1.6572E+02	1.7645E+02	-1.5509E+02
05	-6.2154E+02	9.4391E+01	4.6334E+02	4.4331E+02
06	9.6574E+01	-2.0742E+02	1.1705E+01	1.1470E+01
07	-1.6756E+01	1.6447E+02	-1.5976E+01	-3.9895E+01
08	-2.1615E+01	-1.8100E+02	-4.7352E+01	1.7353E+01
09	3.8635E+01	3.0985E+01	2.2928E+01	8.4590E+00
10	-3.7679E+01	-3.4139E+01	5.8025E+01	-3.5368E+01
11	8.0774E+01	-1.2072E+02	5.6464E+01	3.6361E+01
12	2.0622E+02	-1.3341E+01	1.6672E+01	2.6611E+01
13	-1.6285E+01	2.1244E+01	-9.4149E+00	1.1002E+01
14	2.8590E+01	6.5633E+00	-1.3449E+01	-1.9742E+01
15	-4.0655E+00	2.8485E+01	-1.3135E+01	-3.4580E+01
16	1.5719E+01	2.0874E+01	-8.7394E+00	1.4836E+01
17	1.9562E+01	1.2557E+01	1.4818E+01	2.8179E+00
18	4.8425E+00	8.5821E+00	-8.9971E+00	3.0455E+00
19	-7.2171E+00	7.7812E+00	5.6611E+00	1.3233E+01
20	-4.1430E+00	-5.7103E-01	-1.2164E+01	-1.1474E+01

	Flat.Bending @19.54%R, in-lb		Edg.Bending @19.54%R, in-lb	
MEAN	1.5476E+04		5.3547E+03	
1/2PP	4.1231E+03		8.8253E+03	
Nth	COSINE	SINE	COSINE	SINE
01	5.4317E+02	1.3413E+03	-7.1266E+03	3.7108E+03
02	-1.6748E+03	2.4875E+02	1.1533E+03	4.8438E+02
03	-7.9615E+02	1.2812E+03	-1.0712E+01	-1.8335E+03
04	2.7054E+02	-6.8827E+02	-1.1969E+03	-1.0700E+03
05	-1.2922E+03	-2.6639E+01	1.8968E+02	1.4944E+02
06	1.6910E+02	-2.8091E+02	-3.0084E+01	-1.7485E+01
07	-2.1295E+01	2.7245E+02	4.9384E+01	2.7575E+00
08	1.9308E+01	-2.7053E+02	3.0624E+00	1.2217E+02
09	3.6463E+01	4.7653E+01	1.3882E+01	4.2132E+01
10	-2.8770E+01	-6.7803E+01	-8.7741E+01	1.1804E+01
11	3.4651E+01	-4.7732E+01	-5.5413E+01	-7.9321E+01
12	1.8661E+02	-3.6513E+01	2.5993E+01	-7.7602E+00
13	-6.2133E+01	5.8299E-01	-2.1177E+01	2.0458E+00
14	2.7263E+01	-6.2957E+00	5.3946E+00	7.3798E+00
15	7.5210E+00	1.2270E+01	5.2016E+00	3.5481E+00
16	6.4070E+00	-2.9459E+00	-1.9415E+00	1.5952E+00
17	2.4431E+00	2.0972E+01	1.3842E+01	-1.6827E+00
18	7.7085E+00	-6.2047E+00	-3.3439E+00	-4.9492E+00
19	-1.1289E+01	1.6169E+01	-1.5406E+01	-6.1050E+00
20	7.4599E+00	-7.8652E+00	1.3920E+01	-8.8939E+00

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.1725E+04		-1.7683E+03	
1/2PP	5.4386E+03		1.1423E+04	
Nth	COSINE	SINE	COSINE	SINE
01	1.6216E+03	-4.5146E+02	-7.1264E+03	5.4970E+03
02	-1.0232E+03	1.0531E+03	1.5279E+03	3.6100E+02
03	-1.7541E+03	2.5091E+03	-1.8814E+03	-2.9065E+03
04	2.2365E+02	-1.0021E+03	-2.6580E+03	-2.1321E+03
05	-1.0746E+03	-1.1496E+02	-5.3760E+02	-3.3826E+02
06	4.4247E+01	-1.5701E+02	1.3322E+01	-7.3253E+01
07	4.7386E+01	1.1665E+02	4.4260E+01	5.9017E+01
08	2.8824E+01	-7.9792E+01	5.2573E+01	7.1391E+01
09	3.9685E+00	1.4423E+01	1.0741E+01	4.3629E+01
10	-2.4380E+00	-5.8121E-01	-1.7676E+02	4.8305E+01
11	-5.8555E+01	7.5879E+01	-1.1949E+02	-1.5953E+02
12	-9.3984E+01	-2.5956E+01	5.6593E+01	-4.3205E+01
13	-1.3122E+01	-3.6686E+00	-1.4665E+01	1.7284E+01
14	-1.2377E+01	-1.2765E+01	2.3010E+01	3.7292E+01
15	2.8830E+00	-9.8744E+00	2.6315E+01	6.5696E+01
16	-5.6986E+00	-2.9561E+01	2.3600E+01	-9.6522E+00
17	-2.5829E+01	-1.9506E-01	-9.4147E+00	1.0078E+01
18	-1.8007E+00	-1.5886E+01	5.1592E+00	-5.9910E+00
19	4.9825E+00	6.5275E+00	-1.3618E+00	-1.5836E+00
20	3.6146E+00	-6.6113E+00	6.0605E+00	-1.5477E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.9724E+03	0.0000E+00
1/2PP	6.0097E+03	0.0000E+00

Nth	COSINE	SINE	COSINE	SINE
01	2.8880E+03	-2.1452E+03	0.0000E+00	0.0000E+00
02	-1.5950E+03	1.0549E+03	0.0000E+00	0.0000E+00
03	-1.2291E+03	2.2606E+03	0.0000E+00	0.0000E+00
04	4.3389E+01	-4.4128E+02	0.0000E+00	0.0000E+00
05	1.4690E+02	-2.3589E+01	0.0000E+00	0.0000E+00
06	-1.1942E+02	8.0642E+01	0.0000E+00	0.0000E+00
07	4.8665E+01	-1.6563E+02	0.0000E+00	0.0000E+00
08	-8.7833E+00	1.2209E+02	0.0000E+00	0.0000E+00
09	-2.9223E+01	-1.5472E+01	0.0000E+00	0.0000E+00
10	1.0831E+01	-4.4006E+00	0.0000E+00	0.0000E+00
11	-1.5721E+00	2.5934E+01	0.0000E+00	0.0000E+00
12	-6.5269E+01	1.7929E+01	0.0000E+00	0.0000E+00
13	3.3566E+01	1.0994E+01	0.0000E+00	0.0000E+00
14	-5.9834E-01	-2.3190E+00	0.0000E+00	0.0000E+00
15	-6.4743E+00	1.5531E+01	0.0000E+00	0.0000E+00
16	2.5534E+00	1.0857E+01	0.0000E+00	0.0000E+00
17	1.7789E+01	7.2838E+00	0.0000E+00	0.0000E+00
18	1.3357E+00	4.6568E+00	0.0000E+00	0.0000E+00
19	-4.0056E+00	3.4103E+00	0.0000E+00	0.0000E+00
20	-1.5965E+00	-5.3843E-01	0.0000E+00	0.0000E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	2.1339E+02	-5.4208E+03
1/2PP	5.9192E+03	7.9599E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.4691E+03	-2.2082E+03	-3.3178E+03	1.6795E+03
02	-2.6056E+03	5.2887E+02	6.0940E+02	1.6124E+02
03	-8.2058E+02	1.2758E+03	-2.6186E+03	-1.0623E+03
04	-1.4567E+02	4.6244E+02	-2.1516E+03	-1.4340E+03
05	4.0937E+02	5.4235E+01	-1.4290E+03	-4.8396E+02
06	4.2121E+01	9.5379E+01	1.4848E+02	-4.8212E+01
07	-8.8004E+01	-2.7010E+01	-1.0033E+02	-8.6450E+01
08	2.9309E-01	-2.6229E+01	-4.9548E+01	-3.2390E+02
09	2.2266E+01	-4.4317E+00	-1.7533E+01	-2.2219E+01
10	-3.8743E+00	-1.0367E+01	1.5430E+02	-4.1450E+01
11	5.0696E+01	-7.7498E+01	9.1024E+01	1.2648E+02
12	1.4493E+02	-1.1862E+00	5.0205E+00	2.1922E+00
13	-3.7211E+01	-1.3951E+01	8.3308E-03	-2.5175E+00
14	1.1018E+01	3.7015E+00	-6.6716E+00	-3.0364E+01
15	8.7910E+00	-9.1956E+00	-1.3188E+01	-3.8738E+01
16	1.1117E+00	-3.2930E+00	-1.5674E+01	-6.0505E-01
17	-8.9699E+00	-4.9278E+00	-2.7116E+00	-5.2233E-01
18	-2.1575E-01	-1.1189E+00	1.3281E+00	-2.6647E+00
19	1.6530E+00	-1.9314E+00	-8.6708E+00	2.3869E+00
20	-5.8963E-01	3.4031E+00	1.4633E+00	-2.6103E+00

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-2.0292E+03		0.0000E+00	
1/2PP	2.5821E+03		0.0000E+00	
Nth	COSINE	SINE	COSINE	SINE
01	1.0837E+02	-4.4808E+02	0.0000E+00	0.0000E+00
02	-1.7818E+03	-2.3292E+01	0.0000E+00	0.0000E+00
03	-2.9305E+02	1.9436E+02	0.0000E+00	0.0000E+00
04	-1.3676E+02	5.2440E+02	0.0000E+00	0.0000E+00
05	5.9135E+01	1.2893E+02	0.0000E+00	0.0000E+00
06	3.6897E+01	-4.9648E+01	0.0000E+00	0.0000E+00
07	-2.9427E+00	9.6116E+01	0.0000E+00	0.0000E+00
08	-4.3482E-01	-3.0577E+01	0.0000E+00	0.0000E+00
09	-7.7925E+00	1.8549E+01	0.0000E+00	0.0000E+00
10	-6.9224E+00	5.7475E+00	0.0000E+00	0.0000E+00
11	-1.8259E+01	3.7658E+01	0.0000E+00	0.0000E+00
12	-6.1693E+01	5.6413E+00	0.0000E+00	0.0000E+00
13	1.3526E+01	3.9359E+00	0.0000E+00	0.0000E+00
14	-5.1497E+00	-1.4286E+00	0.0000E+00	0.0000E+00
15	-2.0130E+00	3.7501E+00	0.0000E+00	0.0000E+00
16	-1.5140E+00	-3.1182E-01	0.0000E+00	0.0000E+00
17	4.0229E+00	1.0476E+00	0.0000E+00	0.0000E+00
18	-7.8876E-01	7.4322E-01	0.0000E+00	0.0000E+00
19	-6.2087E-01	4.1409E-01	0.0000E+00	0.0000E+00
20	-1.2041E-01	-1.3748E+00	0.0000E+00	0.0000E+00

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-1.3934E+03		-2.1101E+01	
1/2PP	8.8259E+02		8.4934E+01	
Nth	COSINE	SINE	COSINE	SINE
01	4.0306E+01	7.8585E+00	-5.6287E+00	1.0781E+01
02	-9.8849E+01	1.7867E+01	1.8424E+00	1.3528E+01
03	-6.8718E+00	3.9803E+01	-1.3112E+00	-7.3755E+00
04	6.4204E+02	-4.4191E+02	-5.6374E+01	-8.1613E+00
05	-1.3140E+01	1.3446E+00	9.6008E-01	2.5788E+00
06	2.3209E+01	-5.1292E+00	-1.7957E-01	9.0151E-01
07	-1.7190E+01	1.1752E+01	-6.1851E-01	-7.0136E-01
08	-4.3864E+01	-2.8299E+01	-5.6187E+00	-1.1353E+01
09	7.0305E-01	5.2942E+00	-4.8175E-01	5.2737E-01
10	1.3707E+01	-9.1958E+00	-4.0629E-01	5.5329E-01
11	-5.5455E+00	6.3072E+00	1.1919E+00	1.0191E+00
12	-3.3775E+01	5.0241E+01	-1.1111E+00	-1.6591E+00
13	6.0745E-01	-3.7367E-01	-3.7445E-01	4.1653E-01
14	-2.9278E-01	-7.5761E-01	-6.0727E-01	-3.4467E-01
15	-1.4727E+00	-1.4720E+00	2.7609E-02	9.7703E-01
16	-8.0924E-02	-8.4549E+00	1.3959E+00	3.8096E+00
17	1.0596E+00	4.5950E+00	-1.0699E-01	-1.4885E-01
18	-7.0655E-01	1.4685E+00	-6.9817E-01	2.2290E-02
19	-4.2778E-01	2.2275E+00	-2.2394E-01	7.8124E-01
20	-3.2456E+00	-5.1942E+00	-1.5613E-01	3.3823E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	0.0000E+00		-7.8808E+01	
1/2PP	0.0000E+00		2.9009E+02	
Nth	COSINE	SINE	COSINE	SINE
01	0.0000E+00	0.0000E+00	1.8999E+02	2.2869E+01
02	0.0000E+00	0.0000E+00	-3.1000E-01	9.7124E+01
03	0.0000E+00	0.0000E+00	-6.0445E+01	8.5764E+01
04	0.0000E+00	0.0000E+00	4.8180E+01	-5.5231E+01
05	0.0000E+00	0.0000E+00	-7.4623E+00	-1.0343E+01
06	0.0000E+00	0.0000E+00	7.2480E+00	-3.2927E-01
07	0.0000E+00	0.0000E+00	-1.0833E+01	1.1140E+01
08	0.0000E+00	0.0000E+00	1.3288E-01	2.1116E+00
09	0.0000E+00	0.0000E+00	1.7638E+00	7.2510E-01
10	0.0000E+00	0.0000E+00	3.0315E+00	2.8123E+00
11	0.0000E+00	0.0000E+00	1.8779E+00	1.7140E+00
12	0.0000E+00	0.0000E+00	2.0223E+00	2.0215E+00
13	0.0000E+00	0.0000E+00	5.3465E-01	2.9390E+00
14	0.0000E+00	0.0000E+00	-2.6667E+00	2.3517E+00
15	0.0000E+00	0.0000E+00	-8.7809E-01	-6.1178E-01
16	0.0000E+00	0.0000E+00	-2.5240E-01	1.7991E+00
17	0.0000E+00	0.0000E+00	-1.9482E-01	1.1339E+00
18	0.0000E+00	0.0000E+00	1.1154E-01	-1.6591E+00
19	0.0000E+00	0.0000E+00	3.8379E-01	6.9102E-01
20	0.0000E+00	0.0000E+00	1.1186E-01	1.1340E+00

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.8046E+01		5.7456E+02	
1/2PP	7.6841E+00		1.3897E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-5.6161E+00	-5.1726E+00	-3.5574E+02	1.1372E+03
02	3.6274E-01	-7.4950E-01	1.1767E+02	-3.3899E+00
03	-3.9142E-01	1.5724E-01	-9.7668E+01	-2.2917E+02
04	5.4864E-02	2.3922E-01	-1.5374E+02	-4.9989E+01
05	1.9076E-02	1.6310E-01	1.4648E+02	-5.3527E+01
06	1.0323E-01	2.7134E-02	-1.2549E+01	-6.1338E+01
07	-4.1581E-02	-1.4889E-02	1.7250E+01	4.4981E+01
08	2.1587E-02	-1.7345E-03	1.6525E+01	1.9728E+01
09	-3.2532E-02	-1.8009E-02	-6.4655E+00	-6.7998E+00
10	-4.8116E-02	2.8667E-02	-3.0970E+01	9.2749E+00
11	-9.6048E-03	4.9837E-04	-2.4050E+00	-1.1502E+01
12	-1.3394E-02	2.0562E-02	2.0328E+01	-1.5955E+01
13	-6.2509E-03	-8.8386E-03	7.0683E+00	2.7858E+00
14	-1.1850E-02	6.3351E-04	6.9986E+00	1.3694E+01
15	1.4099E-02	1.0332E-02	1.7173E+00	7.4059E-01
16	-3.7806E-03	-3.7594E-03	-1.0098E+01	1.5609E+00
17	4.7055E-03	-1.2348E-02	-6.3238E+00	-4.2184E+00
18	5.1813E-03	-2.0540E-03	1.4878E+00	-3.7996E+00
19	-3.0131E-03	5.1755E-03	-3.0814E+00	-3.2375E+00
20	1.3867E-02	5.5012E-03	4.2405E-01	3.4836E+00

MR Shaft Torque, in-lb

MEAN	0.0000E+00
1/2PP	0.0000E+00

Nth	COSINE	SINE
01	0.0000E+00	0.0000E+00
02	0.0000E+00	0.0000E+00
03	0.0000E+00	0.0000E+00
04	0.0000E+00	0.0000E+00
05	0.0000E+00	0.0000E+00
06	0.0000E+00	0.0000E+00
07	0.0000E+00	0.0000E+00
08	0.0000E+00	0.0000E+00
09	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00
20	0.0000E+00	0.0000E+00

Flight 497, Condition A

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	2.1972E+04		-9.3135E+03	
1/2PP	6.2215E+03		2.0906E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-2.3892E+03	-2.5600E+02	-1.5685E+04	9.2270E+03
02	-1.8780E+03	1.3098E+03	1.1985E+03	1.2926E+03
03	2.5123E+03	-2.3519E+03	2.2361E+03	-2.1919E+01
04	6.1818E+02	6.4324E+02	-1.2946E+02	3.2890E+02
05	-1.3093E+02	-9.6408E+02	1.3515E+03	3.4134E+02
06	7.5013E+02	-1.8090E+02	2.5769E+02	-1.8644E+01
07	4.0809E+02	-1.7776E+02	-6.8139E+01	-8.4889E+01
08	4.3613E+02	-9.6108E+01	-5.2475E+01	1.9756E+01
09	1.8354E+01	-1.7516E+02	4.4323E+01	1.3566E+02
10	-1.0903E+02	-1.7769E+01	-6.0979E+02	-2.8784E+02
11	-1.9353E+02	-6.2774E+01	-3.6851E+02	3.3760E+02
12	-2.4060E+02	7.3362E+00	1.1668E+02	9.5830E+01
13	-1.2238E+02	1.0607E+02	-6.7287E+01	1.5161E+02
14	-5.0682E+01	4.3732E+01	-1.0413E+01	-1.7601E+01
15	3.1690E+01	-3.0754E+01	1.9020E+01	-3.4843E+01
16	1.1239E+02	-2.3936E+01	3.7557E+01	-2.5242E+00
17	9.6010E+01	8.5184E+01	-5.1042E+01	-2.4772E+01
18	-1.7325E+01	-5.7866E+01	-1.4883E+02	3.9379E+01
19	1.0488E+01	-6.0192E+01	-7.1334E+01	-5.0502E+01
20	1.0804E+01	-3.7353E+00	7.7798E+00	1.4253E+01

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.7972E+04		-1.6244E+03	
1/2PP	2.0788E+03		8.3496E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-6.2231E+02	-2.8133E+02	-7.8604E+03	1.9283E+03
02	-8.3499E+02	7.4020E+02	4.2916E+02	6.4853E+02
03	2.2941E+02	-2.6778E+02	9.6383E+02	1.8095E+01
04	3.9173E+01	3.0550E+01	1.4730E+02	-8.1136E+01
05	-3.3241E+01	2.4753E+02	1.9505E+02	8.2177E+01
06	-2.4686E+02	6.1533E+01	2.1231E+01	-5.4563E+00
07	-2.2389E+02	6.3588E+01	4.9841E+01	-7.1149E+01
08	-2.1713E+02	6.8824E+01	-1.7983E+01	-3.0903E+01
09	7.7097E+00	7.2584E+01	-1.2253E+01	2.1830E+01
10	8.0155E+01	1.6329E+01	-1.2560E+02	1.7682E+01
11	2.2625E+02	1.0665E+01	-4.8072E+01	7.1694E+01
12	1.7548E+02	4.4279E+00	4.5171E+01	-4.5150E+00
13	1.1201E+02	-8.9459E+01	9.0329E+00	2.1909E+01
14	3.1114E+01	-4.7734E+01	8.1535E+00	1.0151E+01
15	-4.4938E+01	1.6642E+01	-2.9192E+00	2.6501E+00
16	-1.0454E+02	4.4815E+01	-1.3415E+01	-1.6223E+01
17	-1.0254E+02	-9.7989E+01	-6.7994E-01	-1.2337E+01
18	3.1636E+01	7.4497E+01	1.1235E+01	1.2139E+01
19	-1.6941E+00	5.9260E+01	-1.3141E+01	1.0166E+00
20	-8.2499E+00	8.9160E+00	1.6554E+00	-5.8557E-03

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.6564E+04	-2.1203E+03
1/2PP	2.5418E+03	7.1727E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.0932E+03	-2.7534E+02	-6.0324E+03	2.8423E+03
02	-5.5196E+02	3.2387E+02	6.3172E+02	3.4711E+02
03	-3.6082E+02	2.6426E+02	2.4335E+02	-3.7840E+02
04	-1.2876E+02	-2.0882E+02	2.5163E+02	-4.9807E+02
05	-1.5693E+01	5.0688E+02	-8.0570E+01	-1.0483E+02
06	-4.7847E+02	9.7093E+01	1.2379E+01	-3.3823E+01
07	-3.1531E+02	1.1075E+02	7.6268E+01	-1.9635E+01
08	-3.1837E+02	8.0462E+01	-2.0626E+01	-5.4581E+01
09	-1.7662E+00	1.1471E+02	-2.8033E+01	-7.8648E+01
10	1.0699E+02	2.9820E+01	2.1465E+02	5.0663E+01
11	1.7776E+02	-2.8757E+00	1.1342E+02	-1.1876E+02
12	1.5687E+02	-2.0916E+01	-1.8036E+01	-1.0265E+01
13	7.0558E+01	-7.9623E+01	1.3392E+01	-4.1607E+01
14	8.0267E+00	-2.7733E+01	4.9562E+00	3.9196E+00
15	-1.1263E+01	1.2364E+01	1.1785E+00	1.1786E+01
16	-3.4149E+01	2.8030E+01	1.6455E+00	1.9242E+00
17	-2.8031E+01	-9.4755E+00	1.8792E+01	3.3214E+00
18	1.5028E+01	4.2345E+00	6.3482E+01	-3.4008E+01
19	1.1167E+01	2.8101E+00	3.7832E+01	2.6258E+01
20	6.1758E+00	1.6083E-01	-5.0539E+00	-3.6615E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.1548E+04	-6.6000E+03
1/2PP	2.3905E+03	8.4439E+03

Nth	COSINE	SINE	COSINE	SINE
01	-5.2347E+02	-8.2866E+02	-5.8447E+03	4.2512E+03
02	-6.7071E+02	-1.3239E+02	9.2337E+02	3.4929E+02
03	-8.0933E+02	4.2145E+02	-4.5537E+02	-8.7099E+02
04	-2.0534E+02	-3.6732E+02	3.7604E+02	-8.6698E+02
05	5.7446E+01	3.8178E+02	-4.5744E+02	-3.0815E+02
06	-3.3009E+02	7.4725E+01	-8.6544E+01	-2.3771E+01
07	-1.1350E+02	1.2081E+02	-7.4270E+00	7.9295E+01
08	-1.1869E+02	5.2689E+01	-3.7243E+01	-2.3511E+01
09	5.9975E+00	7.0537E+00	5.2251E+00	-8.3907E+01
10	1.5645E+01	-7.0988E+00	3.8197E+02	6.1647E+01
11	-9.9995E+01	-5.2054E+01	2.1762E+02	-2.0283E+02
12	-8.2103E+01	-5.1437E+01	-5.3209E+01	-6.7596E+00
13	-6.7407E+01	2.3409E+01	1.1590E+01	-7.4355E+01
14	-2.1931E+01	2.2102E+01	1.7617E+00	-2.6882E+01
15	4.2585E+01	-9.0168E+00	-1.9530E+01	8.5193E+00
16	8.8441E+01	-3.2376E+01	-1.4911E+01	3.7126E+01
17	8.7583E+01	8.2717E+01	-4.0505E+01	-9.3950E+00
18	-2.6927E+01	-5.5442E+01	-4.7688E+01	2.8884E+01
19	-5.5022E+00	-4.2236E+01	-8.0613E+00	1.5756E+00
20	8.0710E-01	-1.3099E+01	-1.0233E+00	5.2656E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	4.6300E+03		-4.0262E+03	
1/2PP	3.1593E+03		6.6495E+03	
Nth	COSINE	SINE	COSINE	SINE
01	2.1581E+02	-1.7273E+03	-3.6917E+03	2.3700E+03
02	-1.1411E+03	-3.6208E+02	8.8800E+02	1.6358E+02
03	-9.2074E+02	4.9080E+02	-1.0621E+03	-9.0684E+02
04	-1.8640E+02	-1.3038E+02	3.8564E+02	-8.6889E+02
05	8.7065E+01	-1.8310E+01	-9.7977E+02	-5.6334E+02
06	1.4110E+02	-5.5676E+01	-1.1154E+02	-5.3310E+00
07	1.9125E+02	-9.6969E+01	-1.1780E+02	1.2920E+02
08	2.7094E+02	-3.1768E+01	9.3183E+01	6.4941E+01
09	1.4715E+01	-2.8244E+01	3.7739E+01	3.4271E+01
10	-7.6468E+01	-3.9804E+01	-5.3138E+01	-3.5124E+01
11	-5.7818E+01	4.3366E+01	-1.3154E+01	-1.0669E+01
12	-4.9450E+01	8.7603E+01	-3.8467E+01	-1.3965E+01
13	-2.0263E+01	6.6021E+01	-1.1653E+01	-1.7142E+01
14	-5.6345E+00	-1.9361E+01	-2.4244E+00	-4.2285E+01
15	-2.9307E+01	-3.9817E+00	-3.4254E+01	-2.6831E+01
16	-6.7786E+01	1.3624E+01	-5.1485E+01	1.4666E+01
17	-6.7121E+01	-6.6344E+01	-9.2490E+01	-4.0449E+01
18	2.2434E+01	3.2803E+01	-1.8124E+02	1.0328E+02
19	6.0170E-01	3.6684E+01	-8.8051E+01	-5.7259E+01
20	-3.9083E+00	6.6458E+00	1.3261E+01	1.4806E+01

	Flat.Bending @64%R, in-lb		Edg.Bending @64%R, in-lb	
MEAN	-1.7937E+02		-6.9077E+03	
1/2PP	3.6719E+03		4.4631E+03	
Nth	COSINE	SINE	COSINE	SINE
01	2.5998E+02	-1.4738E+03	-2.0647E+03	9.8993E+02
02	-1.6847E+03	-4.2588E+02	6.8361E+02	-5.0772E+01
03	-9.5947E+02	5.7262E+02	-1.0750E+03	-7.0497E+02
04	-5.7318E+01	1.3147E+02	2.0542E+02	-6.1222E+02
05	-5.6820E+01	-1.2278E+02	-8.8453E+02	-4.9408E+02
06	2.2503E+02	2.7622E+01	-3.7659E+01	-2.1681E+01
07	4.9517E+01	-5.7788E+01	-1.8489E+02	9.8208E+01
08	-2.6137E+01	-6.3037E+01	1.0174E+02	9.6284E+01
09	-3.2889E+01	1.1435E+01	5.9162E+01	1.2586E+02
10	3.4692E+01	6.1864E+01	-3.3272E+02	-7.9912E+01
11	9.8721E+01	-2.4556E+00	-1.5742E+02	1.7446E+02
12	1.0986E+02	-7.9241E+01	8.8727E+01	1.2579E+01
13	8.0699E+01	-9.8828E+01	1.1093E+01	4.1468E+01
14	1.5828E+01	1.0876E+01	4.7190E+00	1.1372E+01
15	-3.7492E+00	1.2199E+01	6.0517E+00	4.9726E+00
16	3.1825E+01	-4.2587E+00	1.5109E+01	-1.4146E+01
17	4.3339E+01	3.8385E+01	3.6911E+01	2.1767E+01
18	-2.0573E+00	-5.9215E+00	5.6132E+01	-3.7632E+01
19	-1.9258E+00	-1.8104E+01	1.7556E+01	4.0172E+00
20	2.5123E+00	-1.0029E+01	-2.8874E+00	-9.6183E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-3.9999E+03	-6.6234E+03
1/2PP	3.6931E+03	2.2330E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.7748E+02	-3.0571E+02	-7.6496E+02	-1.1793E+02
02	-1.7767E+03	-2.6353E+02	1.7511E+02	-2.5141E+01
03	-1.1248E+03	4.4368E+02	-5.9895E+02	-3.7228E+02
04	2.0094E+02	4.1286E+02	7.2630E+01	-2.7683E+02
05	8.6635E+01	-1.3574E+02	-4.0536E+02	-2.4473E+02
06	-8.9015E+01	-7.6633E+00	4.1088E+01	-1.1677E+01
07	-2.4101E+02	1.1484E+02	-1.8626E+02	-5.2810E+00
08	-1.7489E+02	5.5632E+01	-5.4442E+01	8.6525E+01
09	2.0052E+01	-2.1427E+01	4.6229E+01	1.3628E+02
10	1.2606E+00	-1.8980E+01	-2.0916E+02	-9.3007E+01
11	-6.3784E+01	5.3904E+00	-1.5828E+02	1.3161E+02
12	-5.5350E+01	2.9459E+01	5.1726E+01	3.3660E+01
13	-4.9758E+01	6.6245E+01	-1.0290E+01	8.7710E+01
14	-2.8357E+01	7.8105E+00	1.1494E+01	4.6422E+01
15	8.0074E+00	-1.6958E+01	4.6935E+01	1.1729E+01
16	8.5933E+00	-2.8816E+00	5.9618E+01	-3.2481E+01
17	-2.4326E+01	-5.1990E+00	8.5708E+01	3.7958E+01
18	-1.6850E+01	2.5234E+00	1.9620E+02	-1.0736E+02
19	1.9198E+00	-2.9184E+00	1.0107E+02	6.8148E+01
20	1.2130E+01	3.9369E+00	-4.0311E+00	-1.6631E+01

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-9.3500E+02	2.9403E+01
1/2PP	1.9911E+02	1.8969E+01

Nth	COSINE	SINE	COSINE	SINE
01	1.1442E+01	-1.7797E+01	-9.4575E-01	5.6540E+00
02	-1.8348E+01	-8.1652E+00	2.1163E-01	4.9699E+00
03	-2.7501E+01	1.1017E+01	2.1402E-01	-1.4091E+00
04	-3.7965E+01	3.7097E+01	-2.5258E+00	9.7998E+00
05	4.1757E+00	-3.0602E+00	-6.7838E-01	-6.1144E-01
06	-2.1831E+00	6.7318E+00	1.6204E-01	-1.3767E+00
07	4.6100E+00	-1.6284E+00	-1.7702E-01	-6.0815E-01
08	1.6999E+01	-5.3040E+01	8.5056E-01	2.2283E+00
09	1.2692E+00	4.2418E+00	-1.1979E-01	-1.9240E-01
10	-5.7270E+00	3.8989E-01	2.9069E-01	-3.5620E-01
11	-2.4849E+00	5.2581E+00	9.6075E-01	-4.3765E-01
12	-2.6213E+01	5.3793E+01	-6.9776E-01	-2.0420E+00
13	3.2029E+00	9.3185E-02	1.7103E-01	-4.6856E-02
14	3.3703E-01	8.9701E-01	-5.6788E-01	3.6929E-01
15	1.4870E+00	4.3893E-01	-1.2611E-01	4.0388E-01
16	8.7473E+00	-4.0394E+00	1.7437E+00	2.3693E-01
17	-3.0838E+00	-2.0485E+00	-5.2732E-02	-2.4082E-03
18	9.6437E-01	1.4768E+00	6.5339E-02	-1.4161E-01
19	4.4113E-01	-6.3089E-01	6.0632E-02	3.1416E-01
20	3.1776E+00	-6.5107E+00	1.0513E-01	4.8913E-01

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-1.1760E+02		-2.9149E+01	
1/2PP	4.6253E+01		1.1179E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-5.5555E+00	3.2593E+00	6.8162E+01	6.6103E+01
02	4.7716E+00	-1.8268E-01	-4.5768E-02	1.0781E+01
03	7.9730E-01	-3.4014E-01	8.6157E+00	1.1957E+01
04	-1.0118E+01	-2.6405E+01	-3.7795E+00	4.5341E+00
05	9.3788E-01	1.2913E+00	2.5686E+00	1.8629E+00
06	-8.0635E-02	5.7373E-01	1.0703E+01	2.3461E+00
07	1.3479E-01	9.7883E-01	4.6878E-01	-4.4329E+00
08	-1.4445E+00	2.2397E+00	1.7165E+00	-6.0120E+00
09	-3.8026E-02	-8.1216E-02	-6.2661E-01	-4.8645E-01
10	-1.1226E-01	5.1497E-01	4.1990E-01	4.9524E+00
11	-1.1035E+00	-1.4919E-01	1.9000E+00	6.7219E+00
12	3.8608E+00	-7.1582E+00	1.5388E+00	2.0385E+00
13	-1.8720E-01	-2.7205E-02	2.6838E+00	2.7490E+00
14	7.2438E-01	-9.1560E-01	5.5752E+00	1.4608E+00
15	-6.5466E-03	-4.9936E-01	-4.5517E-04	3.8912E-01
16	-3.2252E+00	-2.0471E+00	-1.5307E+00	-1.2042E+00
17	2.0956E-01	6.7166E-01	1.4898E+00	1.5327E-01
18	-2.3441E-01	1.8959E-02	-2.6146E-01	-5.0485E-01
19	-1.4889E-01	-3.2505E-01	-3.7927E-01	-3.2446E-01
20	2.0183E-01	-4.8333E-01	-7.1032E-01	2.4147E-01

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.2733E+01		4.8257E+02	
1/2PP	3.3540E+00		1.2728E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.2890E+00	-3.1703E+00	-4.9244E+02	1.1236E+03
02	1.7380E-01	3.3566E-01	9.3162E+01	1.2604E+01
03	2.9834E-01	-5.6252E-02	-3.1158E+01	-1.1169E+02
04	-6.7120E-02	5.9463E-02	-1.2575E+01	-4.6933E+01
05	1.5207E-01	1.0506E-01	8.7314E+01	9.0839E+00
06	-8.1529E-03	-2.5675E-02	7.1587E+00	-4.3814E+00
07	-9.4294E-03	-1.8850E-02	-1.8344E+01	1.0823E+01
08	1.6492E-02	-3.0728E-02	-2.9640E+01	4.1422E+00
09	6.1488E-03	1.4406E-02	1.7784E+00	-5.8973E+00
10	-2.5723E-02	-1.2694E-02	2.7574E+01	-1.9683E+01
11	-2.8747E-02	4.8911E-02	1.4701E+01	-4.3931E+00
12	2.1410E-02	2.9121E-02	1.4554E+01	8.9501E+00
13	-1.3859E-03	2.1188E-03	1.9336E+00	-2.9669E+00
14	2.1603E-03	2.7143E-03	-1.4670E+00	-6.0872E+00
15	5.4352E-03	-1.4254E-02	3.9190E+00	-5.8481E-01
16	-1.2581E-03	2.9835E-03	8.6501E+00	6.0718E+00
17	1.1634E-03	-3.5357E-03	-1.0908E+00	-3.4129E+00
18	-1.3063E-02	5.0698E-03	8.0555E+00	-9.4634E+00
19	-1.7927E-03	2.0393E-03	1.0112E+01	5.0674E+00
20	-4.5351E-03	6.0275E-04	-5.2524E-01	7.5070E-01

	MR Shaft Torque, in-lb
MEAN	1.2276E+05
1/2PP	8.8857E+03

Nth	COSINE	SINE
01	1.1515E+03	1.6985E+03
02	6.3577E+02	3.1714E+03
03	-1.7620E+02	4.8925E+02
04	-1.7438E+03	4.8131E+03
05	7.1693E+01	-8.4970E+01
06	-7.2762E+02	5.2852E+02
07	4.1450E+01	9.6305E+00
08	3.9628E+02	6.2514E+01
09	-1.6879E+01	-4.6225E+01
10	-1.1679E+02	1.7034E+02
11	3.5278E+01	-3.5703E+00
12	-2.5669E+02	5.7158E+02
13	1.8726E+01	-2.8787E+01
14	3.6679E+01	9.5109E+01
15	2.1176E+01	-1.6576E+01
16	2.6843E+01	5.1624E+01
17	1.5654E+01	-3.3949E+01
18	5.4686E+00	1.6141E+02
19	-4.6480E+00	-1.9057E+01
20	-1.4295E+01	1.9078E+01

Flight 487, Condition C

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	2.2848E+04	-7.3840E+03
1/2PP	9.8409E+03	2.2578E+04

Nth	COSINE	SINE	COSINE	SINE
01	-4.5515E+03	-6.4434E+00	-1.4730E+04	1.2678E+04
02	-2.9081E+03	8.0523E+02	1.5760E+03	1.1177E+03
03	2.0338E+03	-3.6805E+03	2.3507E+03	-8.4717E+02
04	5.7713E+02	9.0794E+01	6.1607E+01	7.4805E+02
05	3.1206E+02	2.1393E+02	1.8662E+03	5.8349E+02
06	4.4873E+02	-1.6342E+02	5.2684E+02	-2.7394E+02
07	2.5548E+02	-3.6057E+02	-3.5619E+01	-2.1050E+02
08	1.0734E+03	-1.8392E+02	1.7578E+01	1.2683E+02
09	4.1838E+01	-1.3859E+02	-3.1556E+02	2.5432E+02
10	-6.0013E+01	-6.0992E+01	-9.3853E+02	-9.7534E+02
11	-7.7845E+01	-1.0775E+02	-3.2940E+02	-5.0361E+01
12	-8.8207E+01	1.4456E+02	-1.6914E+01	-4.6834E+01
13	-2.7100E+02	7.8724E+01	-7.6958E+01	6.8995E+01
14	-3.2800E+01	-2.6405E+01	-1.2824E+01	1.8492E+01
15	6.4509E+01	-8.4070E+00	6.3800E+00	-3.5050E+01
16	7.4748E+01	1.8547E+01	-5.6723E+01	-1.1051E+01
17	-2.9306E+01	-1.9281E+01	2.6119E+01	1.6905E+01
18	5.6533E+01	-1.0325E+01	4.7883E+01	2.6474E+00
19	-2.2391E-01	1.8918E+01	-1.7050E+01	4.9068E+01
20	-2.4446E+01	1.9142E+01	2.3001E+01	-1.5775E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.8118E+04	-6.5933E+02
1/2PP	2.7827E+03	9.3497E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.4841E+03	-2.6512E+02	-8.3004E+03	3.7756E+03
02	-1.0042E+03	7.8886E+02	5.8236E+02	6.0019E+02
03	2.7154E+02	-4.8495E+02	1.0271E+03	-5.4800E+02
04	4.2247E+01	1.2458E+01	1.0858E+02	-1.6878E+02
05	-9.6672E+01	-3.6754E+01	3.3187E+02	3.1270E+02
06	-1.8797E+02	7.0244E+01	1.3268E+02	-5.3406E-01
07	-1.4750E+02	1.7703E+02	-3.8282E+01	-1.0247E+02
08	-5.7516E+02	1.0075E+02	-1.2139E+02	-1.8677E+01
09	-7.4828E+01	3.8800E+01	-3.1195E+01	3.1905E+01
10	6.1515E+01	3.1923E+01	-1.1467E+02	-9.7216E+01
11	8.1649E+01	8.3922E+01	-7.2291E+01	1.1484E+01
12	7.6778E+01	-1.2627E+02	2.3594E+01	-1.6972E+01
13	2.1730E+02	-4.1967E+01	1.1263E+01	3.8836E+01
14	2.0485E+01	2.2593E+01	-1.6397E+01	-2.2588E+00
15	-7.0240E+01	1.1119E+01	-8.5165E+00	-4.6828E+00
16	-7.0022E+01	-7.1553E+00	-1.3737E+01	-1.2836E+01
17	3.0034E+01	2.3446E+01	4.2773E+00	6.4137E+00
18	-6.8468E+01	2.8108E+01	-1.3418E+01	6.1706E+00
19	-4.1571E+00	-2.6142E+01	2.0657E+00	-5.2639E+00
20	2.6570E+01	-2.8207E+01	7.0677E+00	-6.5096E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.6763E+04	-1.5812E+03
1/2PP	3.1496E+03	8.2452E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.6001E+03	-1.5498E+02	-5.9730E+03	4.3157E+03
02	-6.1643E+02	4.7333E+02	7.9351E+02	2.4500E+02
03	-1.7870E+02	3.5262E+02	9.7929E+01	-4.9968E+02
04	-1.4300E+02	-1.3657E+02	-5.5598E+01	-8.2844E+02
05	-2.1790E+02	-1.3862E+02	-1.1596E+02	-4.0954E+01
06	-3.9638E+02	1.4779E+02	1.2974E+01	-4.6796E+00
07	-2.0250E+02	2.5509E+02	9.1344E+01	-3.9389E+01
08	-7.8651E+02	1.6840E+02	4.1976E+01	6.6705E+01
09	-6.5937E+01	8.7866E+01	9.2867E+01	-1.3712E+02
10	8.5601E+01	6.9355E+01	3.3625E+02	3.0705E+02
11	1.0268E+02	6.8215E+01	1.1360E+02	1.0175E+01
12	4.3527E+01	-9.9516E+01	3.6328E+00	-7.3700E+00
13	1.7404E+02	-6.8685E+01	2.4364E+01	-1.9478E+01
14	1.6966E+00	1.3601E+01	1.0157E+01	8.9103E+00
15	-3.4528E+01	1.2128E+01	1.2432E+00	1.2750E+01
16	-2.5755E+01	-1.3538E+00	4.7757E+00	1.0309E+00
17	1.4950E+01	-1.1681E+00	-9.4987E+00	-7.1553E+00
18	-1.2610E+01	4.7423E+00	-1.6374E+01	-4.1042E+00
19	-3.2587E+00	-3.0346E+00	2.0355E+00	-1.8934E+01
20	-2.9204E+00	-3.4849E+00	-5.3771E+00	1.0301E-01

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.1705E+04		-6.0818E+03	
1/2PP	2.8088E+03		9.5088E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-5.5958E+02	-9.0916E+02	-5.5224E+03	5.7514E+03
02	-7.0168E+02	2.3791E+02	1.1237E+03	1.8744E+02
03	-5.6416E+02	7.3617E+02	-8.6530E+02	-5.7392E+02
04	-2.7041E+02	-2.9410E+02	-1.1721E+02	-1.4443E+03
05	-1.9427E+02	-2.2345E+02	-7.3590E+02	-5.2290E+02
06	-3.3730E+02	1.4961E+02	-2.2347E+02	3.3199E+01
07	-4.4378E+01	1.1829E+02	1.2328E+02	1.3907E+02
08	-1.9604E+02	1.4451E+02	9.4424E+01	1.1390E+02
09	2.6564E+01	3.0335E+01	1.5206E+02	-2.0435E+02
10	2.0000E+01	2.1646E+01	4.6365E+02	4.3664E+02
11	7.5972E+00	-5.5485E+01	2.1473E+02	2.6439E+01
12	-4.8396E+01	6.4408E+01	-1.9740E+01	4.5782E+00
13	-1.1896E+02	-1.1165E+01	4.4246E+01	-8.3366E+01
14	-1.2738E+01	-1.8153E+01	3.0474E+01	-3.9251E-01
15	6.1355E+01	3.3569E+00	-1.1171E+01	1.4402E+01
16	5.0732E+01	2.1361E+01	1.6803E+01	1.2239E+01
17	-3.5117E+01	-2.1407E+01	2.5278E+00	-8.3955E-01
18	5.5698E+01	-2.7879E+01	4.8621E+00	6.3157E+00
19	4.6736E+00	2.1881E+01	-3.2108E+00	1.2723E+01
20	-2.4843E+01	2.1488E+01	-5.5539E+00	4.0390E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	4.7807E+03		-3.7981E+03	
1/2PP	3.5954E+03		7.9605E+03	
Nth	COSINE	SINE	COSINE	SINE
01	4.9241E+02	-2.1386E+03	-3.7894E+03	3.4099E+03
02	-1.2407E+03	-1.2124E+01	1.0437E+03	7.6335E+01
03	-6.8663E+02	7.9684E+02	-1.5785E+03	-3.9804E+02
04	-2.2583E+02	-1.2699E+02	-1.2909E+02	-1.4239E+03
05	-9.1528E+01	-8.3429E+01	-1.3559E+03	-8.1576E+02
06	1.1822E+02	-2.6433E+01	-3.4683E+02	6.9321E+01
07	1.4525E+02	-9.9940E+01	-5.2661E+01	2.7430E+02
08	5.3363E+02	-1.5234E+02	1.1483E+02	-1.4207E+02
09	9.0282E+01	-9.7021E+01	5.6170E+00	-1.6446E+01
10	-4.2568E+01	-3.8135E+01	-1.1963E+02	-1.4500E+02
11	-8.5623E+01	-1.2069E+00	-3.5117E+01	-1.3036E+01
12	-9.3984E+00	3.4466E+01	-2.6485E+01	4.1717E+01
13	-2.6737E+01	5.0195E+01	4.6821E+00	-5.1073E+01
14	8.5381E+00	6.4386E+00	9.9105E+00	-2.8676E+01
15	-2.8399E+01	-2.3204E+00	-3.0047E+01	-1.6064E+01
16	-3.3871E+01	-1.8396E+01	3.8294E+00	6.8630E+00
17	2.7970E+01	1.0974E+01	2.8182E+01	2.9666E+01
18	-3.0701E+01	2.5141E+01	2.0942E+01	2.0310E+01
19	-7.0830E+00	-9.2336E+00	-5.3470E+00	3.9312E+01
20	1.2165E+01	-2.1108E+01	1.5346E+01	-6.0717E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.2119E+02	-6.6013E+03
1/2PP	3.7446E+03	6.2841E+03

Nth	COSINE	SINE	COSINE	SINE
01	7.9469E+02	-1.8351E+03	-2.3659E+03	1.4995E+03
02	-2.0096E+03	-1.6209E+02	8.3048E+02	-9.2934E+00
03	-7.4962E+02	1.0192E+03	-1.4727E+03	-3.3369E+02
04	3.9422E+01	1.8281E+02	-2.4157E+02	-9.7528E+02
05	7.0566E+01	1.7593E+02	-1.2082E+03	-6.0404E+02
06	1.7653E+02	3.3894E+00	-2.3238E+02	4.4431E+00
07	6.2481E+01	-7.6134E+01	-1.7999E+02	2.5997E+02
08	2.4541E+01	-4.4725E+01	-7.7541E+01	-2.3830E+02
09	-1.1232E+02	1.2938E+01	-1.6485E+02	2.0625E+02
10	9.7073E+00	-7.1028E+00	-5.0734E+02	-4.9276E+02
11	8.0794E+01	3.8738E+01	-1.7509E+02	-8.8032E+00
12	5.6581E+01	-7.3010E+01	2.4054E+01	-1.5560E+01
13	1.1379E+02	-4.5089E+01	1.0696E+01	3.9173E+01
14	4.5907E-01	-1.6291E+01	-2.0230E+01	-9.5310E+00
15	4.6219E+00	7.4658E+00	5.9624E-01	7.9110E-01
16	1.8558E+00	1.9884E+01	-1.5249E+01	2.1847E-01
17	-1.6884E+01	-8.3920E+00	-6.5533E+00	1.8717E+00
18	2.0859E+01	-1.7434E+01	-7.0164E+00	-9.6748E+00
19	3.5490E+00	4.8518E+00	-5.0135E-01	-1.0963E+01
20	-1.0348E+01	1.0695E+01	-4.4752E+00	-3.3865E-01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.0334E+03	-6.2563E+03
1/2PP	4.2300E+03	3.2324E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.4512E+02	-4.9274E+02	-8.6297E+02	-6.8230E+01
02	-1.9329E+03	7.8985E+01	1.7099E+02	-2.3677E+01
03	-9.8740E+02	7.6390E+02	-7.5608E+02	-1.3621E+02
04	3.0170E+02	4.8779E+02	-9.1761E+01	-4.7421E+02
05	3.6211E+02	1.6296E+02	-5.4314E+02	-2.5340E+02
06	-1.8868E+01	-1.2096E+02	-4.4188E+01	-1.4842E+01
07	-2.5417E+02	1.0640E+02	-2.1012E+02	9.3948E+01
08	-4.4592E+02	1.7752E+02	-2.8413E+02	-1.3026E+02
09	6.2506E+01	5.7337E+01	-1.5082E+02	2.5047E+02
10	3.6204E+01	1.7115E+01	-3.2809E+02	-3.9671E+02
11	-4.3585E+01	-4.5408E+00	-1.4346E+02	-4.5234E+01
12	-4.2109E+01	6.2751E+01	-5.2728E+00	-1.2116E+01
13	-7.7423E+01	1.1038E+01	-5.2214E+01	7.6178E+01
14	1.2778E+00	9.1057E+00	-2.9768E+01	2.2185E+01
15	2.8007E+00	1.7672E+01	3.3214E+01	1.1397E+01
16	1.8774E+00	-9.6902E+00	-1.0493E+01	-1.5255E+01
17	7.4767E+00	-1.5006E+01	-2.5134E+01	-2.0098E+01
18	-7.2744E+00	7.7806E+00	-2.7078E+01	-2.4225E+01
19	-9.1857E-01	1.1404E+01	1.2317E+01	-4.1291E+01
20	7.6885E-01	-3.9907E+00	-7.8002E+00	1.3909E+00

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-1.0360E+03		2.5252E+01	
1/2PP	3.1456E+02		4.1208E+01	
Nth	COSINE	SINE	COSINE	SINE
01	7.6746E+00	-1.9972E+01	-5.0925E-01	4.6145E+00
02	-2.3388E+01	-3.6010E+00	1.5016E+00	4.8605E+00
03	-3.1028E+01	2.0993E+01	8.4522E-01	-8.6678E-01
04	-1.2911E+02	1.5951E+02	2.8421E+01	-6.7715E+00
05	-1.8707E+01	-4.6249E+00	4.4954E-01	-3.4538E-01
06	1.6628E-02	1.6800E+01	-3.4613E-02	-3.0109E+00
07	6.1335E+00	-2.1249E-01	-7.5305E-01	-3.6323E-01
08	2.0346E+01	-1.0037E+02	4.7723E+00	2.9485E+00
09	8.7065E-01	-2.5446E+00	2.5713E-01	2.7506E-01
10	-2.9738E+00	-4.1790E+00	1.1295E+00	2.3763E-01
11	-3.8934E+00	2.4850E+00	8.9253E-01	-4.1020E-01
12	2.9963E+01	-8.6115E+00	6.6902E-01	6.1769E+00
13	-1.3767E-01	-6.8030E-01	-1.5085E-01	2.7702E-01
14	1.4575E+00	2.2601E+00	-2.3903E-01	1.4868E-01
15	7.9021E-01	-3.4254E-01	-1.6836E-01	-1.2418E-02
16	8.7804E+00	-4.9793E+00	-5.0449E-01	4.6758E-01
17	-6.4079E-01	5.2448E-01	-1.2653E-01	5.0971E-03
18	-2.0752E-01	-3.2100E-01	1.5631E-01	2.5245E-03
19	1.4867E+00	-3.9648E-01	9.7928E-02	8.1090E-02
20	-1.1197E+00	-3.2425E+00	4.2178E-01	-8.3297E-01

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-1.4562E+02		-3.8198E+01	
1/2PP	6.5258E+01		1.6302E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-5.4306E+00	1.8033E+00	1.0098E+02	5.9493E+01
02	3.0127E+00	-2.1610E+00	8.3841E+00	1.6738E+01
03	9.3819E-01	-9.0709E-01	6.4702E-01	1.4939E+00
04	-4.2088E+01	-1.2530E+01	-9.9506E+00	1.6237E+01
05	2.2857E+00	1.1178E+00	1.6346E+01	2.3915E+01
06	1.0605E+00	2.1372E+00	3.8102E+01	-2.2190E+01
07	-1.7411E-01	-2.4433E-03	-8.9910E-01	-6.9241E+00
08	-6.9246E+00	7.3531E+00	3.8830E+00	-1.2613E+01
09	-8.2464E-01	2.9875E-01	-8.4750E-01	7.1953E-01
10	-1.2530E+00	-4.3398E-02	1.4002E+00	4.7437E+00
11	-7.1568E-01	2.7891E-01	6.8105E-01	4.4414E+00
12	-9.6800E-01	-1.1861E+01	4.0319E+00	-1.0007E+00
13	1.1017E-01	-3.9562E-01	-1.1834E+00	7.7482E+00
14	1.4786E-01	-3.2787E-01	4.9314E+00	-2.5106E-01
15	5.2549E-02	-8.1434E-02	1.5816E+00	-1.0592E+00
16	-4.1524E-01	5.0982E-02	-8.7698E-01	-9.6664E-01
17	1.5591E-01	8.4181E-02	-9.7765E-01	-8.6348E-02
18	-4.4141E-01	-8.8693E-02	1.8615E+00	-1.3850E+00
19	-1.2876E-01	-1.2646E-01	4.5934E-02	2.2530E-01
20	-8.7510E-01	2.1508E+00	5.4840E-02	1.9536E-01

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.3575E+01		4.7714E+02	
1/2PP	4.1951E+00		1.2930E+03	
Nth	COSINE	SINE	COSINE	SINE
01	8.9509E-01	-4.1183E+00	-2.1588E+02	1.2431E+03
02	2.8470E-01	3.3266E-01	1.1607E+02	-2.0181E+01
03	2.3180E-01	-2.2063E-01	-6.4719E+01	-3.1971E+01
04	-6.5568E-02	1.1092E-01	-3.7513E+01	-4.3904E+01
05	2.4921E-01	1.3946E-01	8.7321E+01	-5.3790E+01
06	5.7458E-02	-2.8362E-02	1.7064E+00	-2.8721E+01
07	-4.3364E-03	-4.5708E-02	2.0714E+01	2.2503E+00
08	-2.8905E-02	-1.0337E-02	9.8487E+00	6.1116E+01
09	-8.6657E-03	6.2692E-03	-9.6746E+00	-3.2179E+00
10	-5.8427E-02	-6.7959E-02	9.7214E+00	4.3947E+00
11	8.5418E-03	1.3975E-02	1.9279E+01	-3.8620E-01
12	2.0247E-02	-9.1891E-03	-1.7902E+00	-1.4592E+01
13	-7.6143E-04	3.8916E-02	1.0550E+01	-7.8199E+00
14	-3.2218E-03	1.5747E-04	5.4969E+00	8.6860E+00
15	-5.1924E-03	-6.1576E-03	3.1012E-01	1.8361E+00
16	-2.1123E-02	-1.7205E-02	-9.7913E+00	1.4771E+00
17	6.2872E-03	1.4981E-03	9.9152E-01	-1.2851E+00
18	9.9037E-03	-8.3796E-03	6.9023E-01	-2.9972E+00
19	-3.9617E-03	9.3791E-03	-2.3934E+00	-9.3266E-01
20	1.1472E-02	-3.2617E-04	2.1037E+00	-3.1563E+00

	MR Shaft Torque, in-lb	
MEAN	1.3190E+05	
1/2PP	1.2200E+04	
Nth	COSINE	SINE
01	4.4203E+02	1.0601E+03
02	1.2314E+03	3.1110E+03
03	-2.9113E+01	4.2182E+02
04	4.8684E+02	8.6447E+03
05	-1.9794E+02	-3.1049E+02
06	6.5026E+01	1.5223E+03
07	-1.2360E+01	1.9779E+02
08	4.0343E+02	-7.3520E+02
09	2.5334E+00	-1.2075E+01
10	2.7755E+02	3.1812E+02
11	-1.8155E+01	-1.1216E+01
12	1.3275E+02	4.6307E+02
13	-4.7034E+00	-5.9302E+01
14	5.1248E+01	-1.6146E+02
15	6.9764E+00	1.8852E+01
16	1.2337E+02	-7.5361E+00
17	-3.4462E+00	1.0753E+01
18	-8.3214E+01	-2.3202E+01
19	-5.7911E+00	1.4164E+01
20	-2.7710E+01	5.8671E+01

Flight 497, Condition E

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	2.2284E+04	-3.2332E+03
1/2PP	1.3983E+04	2.3149E+04

Nth	COSINE	SINE	COSINE	SINE
01	-5.9536E+03	8.8491E+02	-1.5567E+04	1.4934E+04
02	-5.9455E+03	-1.1070E+03	1.7470E+03	1.5310E+03
03	2.6289E+03	-4.3993E+03	2.7154E+03	-7.7528E+02
04	4.7800E+02	1.3356E+03	-1.3502E+02	5.6220E+02
05	-1.4167E+03	9.2395E+02	-3.9116E+02	1.1639E+03
06	1.0864E+02	2.1113E+02	3.6015E+02	6.0219E+02
07	3.4331E+02	7.1507E+02	3.6111E+02	-1.9641E+02
08	1.7577E+02	5.0053E+02	-3.3520E+01	-6.2382E+01
09	2.3990E+02	2.1910E+02	-3.4656E+02	-1.0899E+02
10	-1.8768E+01	1.3053E+02	1.5139E+03	-1.4061E+02
11	6.3477E+01	-1.7580E+01	9.2786E+01	-2.4865E+02
12	2.9565E+02	-3.2619E+02	-1.1415E+02	7.0937E+01
13	1.0604E+02	-2.5172E+01	-2.6609E+01	-1.1305E+02
14	-5.4114E+00	-4.6933E+01	6.1853E+00	-8.7384E+00
15	-3.8283E+01	-1.1488E+01	6.2727E+00	-2.2302E+01
16	-4.1338E+01	6.9203E+01	2.0099E+01	2.7814E+01
17	-1.4348E+02	5.5709E+01	8.2144E+01	2.8909E+01
18	-2.2373E+01	-5.5321E-02	3.5825E+01	9.4914E+01
19	2.0019E+01	1.6528E+00	1.3608E+01	2.6818E+01
20	1.9933E+01	3.1535E+01	-9.3485E+00	-6.5570E+00

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.7567E+04	1.4239E+03
1/2PP	3.5228E+03	1.0470E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.9484E+03	2.4642E+01	-9.2975E+03	5.0924E+03
02	-1.8093E+03	4.2375E+02	4.2589E+02	7.7403E+02
03	4.0427E+02	-5.9401E+02	1.2448E+03	-7.6159E+02
04	5.4997E+01	-6.2626E+01	9.1623E+01	-2.5433E+02
05	3.7710E+02	-1.2991E+02	-1.3347E+02	4.2773E+02
06	-9.9087E+01	-1.1624E+02	8.5866E+01	2.7975E+02
07	-7.7027E+01	-4.1023E+02	5.0668E+01	-1.2347E+01
08	-1.2138E+02	-2.8047E+02	-1.4341E+01	-6.7212E+01
09	-1.0807E+02	-1.7266E+02	-7.6085E+01	-2.9919E+01
10	-1.0832E+01	-6.3190E+01	2.3557E+02	-8.0940E+01
11	-4.9095E+01	5.7889E+01	-1.3719E+01	-1.5266E+01
12	-2.3669E+02	2.5574E+02	-5.1128E+01	5.7037E+01
13	-7.8478E+01	2.4055E+01	-3.3711E+00	-3.3918E+01
14	1.8638E+01	2.9984E+01	8.2989E+00	-4.1634E+00
15	3.8144E+01	-4.8109E+00	-1.1498E+01	1.1923E+01
16	4.1056E+01	-6.2475E+01	5.0192E+00	-9.9834E+00
17	1.5932E+02	-7.5879E+01	1.0707E+01	-8.5516E+00
18	2.7973E+01	3.2936E+00	5.4124E+00	6.0585E+00
19	-2.3859E+01	-1.5809E+01	-6.7625E+00	1.4416E+00
20	-2.3711E+01	-1.8560E+01	-9.5756E+00	-2.8616E+00

	Flat.Bending @19.54%R, in-lb		Edg.Bending @19.54%R, in-lb	
MEAN	1.6679E+04		-1.2508E+02	
1/2PP	3.5566E+03		9.6288E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.7686E+03	9.9147E+01	-6.5034E+03	5.2945E+03
02	-9.5712E+02	3.8707E+02	9.0865E+02	4.0782E+02
03	-1.5791E+02	3.8545E+02	2.2783E+01	-6.1518E+02
04	-5.9202E+01	-4.8677E+02	-3.4358E+01	-6.9003E+02
05	8.1069E+02	-4.6360E+02	-8.1952E+01	4.7174E+00
06	-1.9488E+02	-2.3320E+02	-1.6286E+01	4.9545E+01
07	-1.7294E+02	-5.8822E+02	4.8276E+01	2.1197E+02
08	-1.4531E+02	-3.8836E+02	3.1422E+01	-3.2885E+01
09	-1.2856E+02	-2.3611E+02	1.7458E+02	4.0478E+01
10	-8.8210E+01	-6.7175E+01	-5.2302E+02	9.5969E+01
11	-2.6558E+01	8.8907E+01	-5.8095E+00	7.9183E+01
12	-1.6671E+02	2.2888E+02	-5.0657E+00	-1.0093E+01
13	-4.7418E+01	2.3912E+01	-1.9421E+00	2.4810E+01
14	1.1041E+01	3.5259E+00	-9.3810E+00	-1.9730E+00
15	1.8667E+01	3.2556E+00	-4.8335E+00	6.9542E+00
16	6.0318E+00	-2.2102E+01	-9.1258E+00	-6.3862E+00
17	1.6602E+01	-3.6818E+01	-3.8358E+01	-4.4768E+00
18	1.3245E+00	1.9208E+00	-2.0577E+01	-3.3845E+01
19	-8.1134E+00	-5.8521E+00	-2.1364E+00	-7.8039E+00
20	-2.3331E+00	8.7099E+00	5.5363E+00	-2.8042E+00

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.1901E+04		-5.1153E+03	
1/2PP	3.1620E+03		1.0645E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-1.7865E+02	-8.8939E+02	-5.9625E+03	6.8127E+03
02	-6.9962E+02	3.3426E+02	1.3726E+03	2.8822E+02
03	-5.6605E+02	7.6901E+02	-1.2411E+03	-7.0256E+02
04	-1.9065E+02	-6.7300E+02	-6.4959E+01	-1.0471E+03
05	7.7265E+02	-6.6972E+02	1.1406E+02	-6.0958E+02
06	-2.0148E+02	-2.1934E+02	-1.5941E+02	-2.8661E+02
07	-1.4559E+02	-2.4768E+02	-6.0790E+01	1.7804E+02
08	-7.2624E+01	-1.2381E+02	5.3533E+01	2.4123E+01
09	1.1370E+01	-2.2417E+01	2.6504E+02	6.4539E+01
10	-8.0762E+01	3.6112E+01	-8.1377E+02	1.5371E+02
11	4.7737E+01	9.8175E+00	3.9973E+00	1.1530E+02
12	1.5958E+02	-8.8000E+01	3.0835E+01	-6.0048E+01
13	5.0955E+01	-2.1549E-01	-2.5444E+01	8.1586E+01
14	-1.2610E+01	-2.4559E+01	-4.6919E+00	1.5437E+01
15	-2.7275E+01	1.0872E+01	3.5768E+01	-1.2958E+01
16	-4.3867E+01	4.8161E+01	7.3620E+00	-3.1880E+00
17	-1.3559E+02	6.1288E+01	5.7965E+01	-3.0296E+00
18	-2.3726E+01	-6.7259E+00	1.6130E+01	1.0612E+00
19	1.8325E+01	9.8119E+00	5.3417E+00	-6.4217E+00
20	1.8634E+01	1.2071E+01	5.7974E+00	-2.5560E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.8583E+03	-3.3403E+03
1/2PP	3.9847E+03	7.4646E+03

Nth	Flat.Bending @48%R, in-lb COSINE	Flat.Bending @48%R, in-lb SINE	Edg.Bending @48%R, in-lb COSINE	Edg.Bending @48%R, in-lb SINE
01	1.2119E+03	-2.2684E+03	-4.3484E+03	4.2041E+03
02	-1.3713E+03	4.8608E+01	1.3049E+03	2.1547E+02
03	-7.0408E+02	9.7187E+02	-2.0331E+03	-6.3492E+02
04	-4.6459E+01	-2.8942E+02	-1.8996E+01	-9.4217E+02
05	-1.0693E+00	-1.1870E+02	1.7716E+02	-1.1404E+03
06	-2.5702E+01	1.7060E+01	-2.0004E+02	-4.5276E+02
07	1.2153E+02	3.4789E+02	-2.4282E+02	-1.6621E+02
08	8.9795E+01	3.1001E+02	5.4103E+01	1.8339E+02
09	5.4867E+01	1.5293E+02	-7.6415E+00	4.3513E+01
10	9.0537E+01	7.2933E+00	1.9492E+02	-4.7038E+00
11	9.0121E+00	-6.0636E+01	4.1217E+01	-1.5115E+01
12	1.7680E+01	-1.3197E+02	6.0271E+01	-3.1322E+01
13	1.3026E+01	-2.1805E+01	-5.4088E+00	5.4992E+01
14	6.5101E+00	9.2514E+00	9.9023E+00	2.3783E+01
15	1.4281E+01	-1.0977E+01	4.7478E+01	-8.7299E+00
16	4.4354E+01	-3.1839E+01	3.5979E+01	-9.7408E+00
17	1.0868E+02	-2.8672E+01	1.6783E+02	1.7335E+01
18	1.8736E+01	9.5177E+00	4.7235E+01	8.1436E+01
19	-1.1981E+01	-5.1489E+00	-4.5308E+00	7.5177E+00
20	-1.1379E+01	-7.3543E+00	-1.5335E+01	-6.1571E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.3813E+02	-6.2217E+03
1/2PP	4.3786E+03	6.2920E+03

Nth	Flat.Bending @64%R, in-lb COSINE	Flat.Bending @64%R, in-lb SINE	Edg.Bending @64%R, in-lb COSINE	Edg.Bending @64%R, in-lb SINE
01	1.4970E+03	-2.0639E+03	-2.8209E+03	1.8436E+03
02	-2.3322E+03	-2.5614E+02	9.7008E+02	1.8113E+02
03	-7.5128E+02	8.8829E+02	-1.7262E+03	-4.3157E+02
04	-8.4478E+01	3.7319E+02	-9.0742E+01	-7.0228E+02
05	-3.8221E+02	2.7239E+02	-8.6495E+01	-9.4081E+02
06	5.3342E+01	1.8442E+02	-1.4271E+02	-3.1858E+02
07	-3.0088E+00	1.4426E+02	-2.6902E+02	-3.6095E+02
08	9.8388E+01	5.1007E+01	5.4092E+00	5.1869E+01
09	-1.2901E+01	-3.2018E+01	-2.7742E+02	-7.3016E+01
10	-2.2870E+01	-4.6446E+01	8.5172E+02	-1.7688E+02
11	-4.9101E+01	5.0892E+01	8.9661E+00	-8.9766E+01
12	-1.5292E+02	1.9779E+02	-3.5509E+01	9.2448E+01
13	-4.2827E+01	2.4425E+01	8.4854E+00	-4.6363E+01
14	-1.9275E+00	1.2483E+01	1.3546E+01	-1.4894E+01
15	3.9031E+00	4.5637E+00	-1.8670E+01	6.0801E+00
16	-1.6322E+01	4.7911E+00	-8.1278E+00	1.7936E+00
17	-6.3737E+01	1.5823E+00	-6.5407E+01	-4.5742E+00
18	-2.0273E+01	-9.5042E+00	-1.8951E+01	-1.8408E+01
19	6.1584E+00	5.1031E+00	-4.0888E+00	1.3271E+00
20	7.8964E+00	1.0333E+01	2.6314E+00	3.8970E+00

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-4.1078E+03		-6.0503E+03	
1/2PP	4.2212E+03		3.1957E+03	
Nth	COSINE	SINE	COSINE	SINE
01	2.6598E+02	-6.3375E+02	-9.5668E+02	-4.9316E+01
02	-2.3179E+03	-9.9893E+01	1.6588E+02	1.5887E+01
03	-9.2311E+02	3.9070E+02	-8.1861E+02	-1.9729E+02
04	-2.7667E+01	5.9420E+02	-3.2221E+00	-2.9560E+02
05	-3.0525E+02	5.5652E+02	-1.3258E+02	-3.6883E+02
06	1.7531E+02	-4.2948E+01	-1.7937E+01	-9.2216E+01
07	-6.0703E+01	-4.1066E+02	-9.7827E+01	-3.8804E+02
08	-1.7492E+02	-2.8830E+02	-5.5050E+01	-1.4707E+02
09	-7.2620E+01	-8.3751E+01	-2.9633E+02	-1.4758E+02
10	-2.8629E+00	3.6609E+01	6.5634E+02	-5.3279E+01
11	4.2617E+01	-6.3214E+00	1.5456E+01	-5.3635E+01
12	9.4073E+01	-1.3745E+02	7.5384E+00	4.4041E+01
13	2.0506E+01	-2.5101E+01	2.8955E+01	-9.9499E+01
14	2.5751E+00	-1.0244E+01	-6.3309E+00	-3.5003E+01
15	-2.1238E+00	3.4553E+00	-6.4371E+01	1.9914E+01
16	6.0745E-01	6.0769E-01	-2.6975E+01	1.6748E+01
17	2.4722E+01	-2.1838E+00	-1.5801E+02	-1.7513E+01
18	1.6418E+01	3.3671E+00	-4.0185E+01	-8.5480E+01
19	4.0923E+00	-2.8674E+00	1.0340E+00	-1.0273E+01
20	-4.9311E+00	-5.0640E+00	1.1605E+01	1.0757E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-1.3143E+03		2.2831E+01	
1/2PP	5.1440E+02		5.9805E+01	
Nth	COSINE	SINE	COSINE	SINE
01	7.3423E+00	-2.5402E+01	-5.5522E-01	9.0449E+00
02	-3.4671E+01	-4.0931E+00	2.4981E+00	4.9487E+00
03	-2.8439E+01	1.9673E+01	3.6211E-01	-1.2114E+00
04	-3.5622E+02	1.0014E+02	4.0733E+01	1.1070E+01
05	3.4948E-01	-2.3420E+01	-1.6398E-01	5.9706E-01
06	-3.6784E+01	-2.0626E+00	5.7974E+00	-1.7702E+00
07	3.4979E+00	1.4727E+01	-6.1561E-01	-9.2246E-01
08	7.8554E+01	8.6218E+01	-9.7316E+00	1.0774E-01
09	2.3292E+00	-6.2307E+00	-4.6658E-01	2.3890E-01
10	8.5022E+00	3.9397E-01	-1.2799E+00	1.1122E+00
11	-1.5798E+00	-7.0114E+00	-1.8186E-01	1.3235E+00
12	-6.2057E+01	-8.7535E+01	2.6800E-02	9.6320E-02
13	-4.3107E+00	1.2993E+00	5.1091E-01	1.2374E-01
14	5.4957E-02	4.4587E-01	-4.0157E-02	-3.8448E-01
15	4.5038E-02	4.5317E-01	3.0640E-01	-9.9954E-02
16	-2.4668E+00	4.9113E+00	-6.3862E-01	-3.7750E-03
17	4.1771E+00	-7.8319E-01	-1.1398E-01	4.0377E-02
18	1.7944E+00	-1.4192E+00	1.9075E-01	1.3379E-01
19	-3.2938E-01	2.7435E-01	-3.1675E-02	5.2570E-02
20	6.1045E+00	2.3040E+00	-1.6240E-01	4.1379E-01

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-2.2502E+02		-5.6514E+01	
1/2PP	7.1835E+01		2.4538E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-6.3910E+00	4.9361E+00	1.4810E+02	8.7812E+01
02	4.2678E+00	-3.7374E+00	2.1281E+01	2.3279E+01
03	4.0938E+00	-2.2022E+00	-2.6134E+01	7.0520E+00
04	-7.5408E+00	-3.3331E+01	-2.8669E+01	1.0982E+01
05	5.8264E-01	4.4165E+00	-1.6127E+01	4.3283E+01
06	-1.2833E+00	6.8718E+00	4.7476E+01	3.9642E+01
07	8.3396E-01	-1.3952E+00	7.2074E+00	1.2021E+01
08	2.8357E+00	-1.7501E+01	1.1154E+01	8.5783E+00
09	4.6510E-01	-6.5061E-01	2.5678E+00	1.4064E+00
10	1.3203E-01	-2.0841E+00	2.4252E+00	-3.6003E+00
11	3.9519E-01	-8.9869E-01	-6.8633E+00	-2.0716E+00
12	9.4837E+00	1.2970E+01	-9.8488E+00	1.0068E-02
13	-5.3675E-01	6.9361E-01	-1.6653E+00	-2.9001E+00
14	4.5896E-01	8.4835E-01	-1.5675E+00	7.4264E+00
15	1.5435E-01	-6.7076E-02	-1.2058E+00	-1.3447E+00
16	3.8798E+00	-1.1236E+00	1.3646E+00	-1.1461E+00
17	-4.8971E-01	-7.8099E-02	-1.0599E+00	9.9766E-01
18	-8.5365E-01	2.2500E-01	-2.1023E+00	1.0613E+00
19	7.6939E-02	-1.0407E-01	-2.4992E-01	1.0118E-01
20	8.0887E-01	-8.9122E-01	-9.1825E-01	-6.4849E-01

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.5036E+01		5.4415E+02	
1/2PP	5.4335E+00		1.3043E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.1786E+00	-5.3659E+00	-6.6941E+01	1.2994E+03
02	3.6260E-01	5.0695E-01	1.9678E+02	-1.8370E+01
03	1.4330E-01	-1.7841E-01	-9.6009E+01	1.8185E+01
04	-1.6708E-01	8.2599E-02	-3.5514E+01	-9.2161E+00
05	-7.5886E-02	1.9926E-01	1.8988E+01	-1.7869E+01
06	5.6610E-02	1.1612E-01	1.4039E+00	-3.0657E+01
07	4.5158E-02	-5.4164E-03	3.8265E+01	1.1749E+01
08	1.3795E-02	-2.9402E-03	-4.9315E+00	-2.1748E+01
09	-4.7526E-03	-3.1237E-02	1.5954E+01	-8.3286E+00
10	1.1273E-01	1.8678E-02	-3.7646E+01	2.0720E+01
11	-6.3500E-03	-3.4126E-02	6.0289E+00	-2.3690E+00
12	-6.6678E-02	3.0499E-02	-1.7997E+01	1.4222E+01
13	-1.9158E-02	-1.3357E-02	-9.2045E+00	2.0689E+00
14	-8.4139E-03	4.8720E-03	-3.0310E+00	-4.8565E-01
15	2.8141E-04	-2.1923E-02	1.5469E+00	-4.6954E+00
16	6.5308E-03	4.4335E-03	-1.5047E-01	1.0402E+00
17	2.7966E-02	-6.3235E-03	-1.9357E+00	-2.0715E+00
18	5.3215E-04	1.6889E-02	-2.8591E+00	-1.8637E+00
19	2.6022E-05	3.1970E-03	1.1042E+00	1.7539E+00
20	-9.7812E-03	5.2067E-03	-2.8877E-01	-1.0177E+00

	MR Shaft Torque, in-lb
MEAN	1.5992E+05
1/2PP	1.3816E+04

Nth	COSINE	SINE
01	7.2422E+02	1.8933E+03
02	4.3640E+03	5.9011E+03
03	6.5272E+01	2.9921E+02
04	-5.4571E+02	6.6213E+03
05	2.2019E+02	-2.7466E+02
06	-9.0847E+02	1.8537E+03
07	-2.2211E+02	-4.6662E+01
08	1.7590E+02	8.7116E+02
09	4.9406E+01	-3.6194E+01
10	2.6813E+02	7.0383E+01
11	-5.8844E+01	-4.0973E+01
12	-2.9390E+02	-8.1556E+02
13	-3.8114E+01	-1.0204E+01
14	9.1474E+01	1.5866E+02
15	1.5246E+00	-3.3826E+01
16	-1.0682E+01	1.9922E+02
17	2.5915E+01	1.9413E+01
18	-1.5407E+02	-6.8275E+01
19	4.2756E+01	1.9675E-01
20	5.8610E+01	9.7125E+01

Flight 497, Condition F

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	2.1730E+04		7.4597E+01	
1/2PP	1.8660E+04		2.7716E+04	

Nth	COSINE	SINE	COSINE	SINE
01	-6.0594E+03	1.8669E+03	-1.5427E+04	1.7557E+04
02	-8.1740E+03	-2.8003E+03	2.0172E+03	1.4891E+03
03	2.4869E+03	-6.6448E+03	3.1190E+03	-1.4554E+03
04	8.1185E+02	2.4984E+03	-8.2964E+01	1.6798E+02
05	-2.4510E+03	7.4641E+02	-1.4957E+03	7.6637E+02
06	2.1670E+02	2.0274E+02	5.6546E+01	1.0659E+03
07	-4.9908E+02	4.1556E+02	2.8348E+02	-1.1497E+02
08	-9.2608E+01	5.8198E+02	-5.8585E+01	-1.6699E+02
09	-1.3890E+02	2.4452E+02	-2.0640E+02	-8.4474E+02
10	5.2135E+01	-5.0447E+00	1.1682E+03	7.2842E+02
11	8.0996E+01	1.3547E+01	3.8221E+02	-4.0246E+01
12	3.1034E+02	5.3142E+01	-5.7817E+01	-4.4609E+00
13	1.4210E+02	-1.3319E+01	1.3857E+02	-1.7981E+02
14	2.1539E+00	-3.0142E+01	-1.6277E+01	-5.1626E+01
15	-4.2494E+01	-5.3408E+01	-7.6191E+00	-7.4534E+01
16	-8.7190E+00	-1.7281E+01	1.4315E+01	4.3089E+00
17	-4.8611E+01	-4.2944E+01	-1.2995E+01	1.4341E+01
18	-3.6314E+01	-1.5613E+00	-4.6416E+01	1.7537E+02
19	-1.9551E+01	-2.5163E+01	-7.1234E+00	-6.5595E+00
20	2.7268E+01	1.0041E+01	-2.2110E+01	1.2736E+01

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.7111E+04		3.2962E+03	
1/2PP	4.1384E+03		1.1835E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-1.8874E+03	2.8759E+02	-9.8284E+03	6.6283E+03
02	-2.3086E+03	1.1277E+02	4.9289E+02	7.6937E+02
03	3.9642E+02	-8.5319E+02	1.2038E+03	-1.1930E+03
04	1.4339E+02	-1.0156E+02	-3.5134E+01	-3.2595E+02
05	6.5015E+02	2.1711E-01	-2.9552E+02	3.5841E+02
06	-9.0072E+01	-2.4870E+02	6.5246E+01	3.1127E+02
07	3.2755E+02	-2.3932E+02	8.9005E+01	-1.6404E+00
08	1.9474E+01	-3.4585E+02	4.3348E+01	-6.8941E+01
09	1.9869E+01	-1.8961E+02	-4.5052E+01	-8.3974E+01
10	-5.0075E+01	1.0370E+01	1.7108E+02	9.0713E+01
11	-1.4228E+02	-4.0461E+01	3.8360E+01	-2.2383E+01
12	-2.5406E+02	-1.4330E+01	-5.7878E+01	-3.8069E+01
13	-1.0368E+02	1.3868E+01	2.5687E+01	-4.7096E+01
14	-1.0684E+01	5.3151E+01	1.5442E+01	-8.4525E+00
15	3.5576E+01	4.2681E+01	-2.4927E+00	-7.4126E-01
16	3.0208E+01	2.4955E+01	-8.8006E+00	-1.5793E+01
17	6.2736E+01	2.7135E+01	7.5047E+00	-1.5066E+00
18	4.8721E+01	6.9133E+00	8.3133E+00	-1.4652E+00
19	8.0972E+00	5.3992E+00	-4.1580E+00	8.9413E+00
20	-1.7653E+01	1.2704E+00	-1.5064E+01	-7.5595E-01

	Flat.Bending @19.54%R, in-lb		Edg.Bending @19.54%R, in-lb	
MEAN	1.6609E+04		1.1675E+03	
1/2PP	4.6668E+03		9.7684E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.7535E+03	3.8667E+02	-6.6269E+03	6.3447E+03
02	-1.0871E+03	3.6131E+02	1.0119E+03	3.3156E+02
03	-1.7792E+02	6.5237E+02	-2.2355E+02	-8.0133E+02
04	-4.9650E+01	-7.3768E+02	-2.5154E+02	-4.1440E+02
05	1.5147E+03	-2.1974E+02	-6.3065E+01	3.2930E+01
06	-2.0018E+02	-5.0264E+02	1.4239E+01	6.0223E+01
07	4.3913E+02	-3.7421E+02	-1.0733E+02	1.4233E+02
08	2.7653E+01	-4.8431E+02	1.5729E+01	-2.6506E+01
09	9.8452E+01	-2.1243E+02	1.0725E+02	3.3246E+02
10	-9.1014E+01	-5.8792E+01	-4.0334E+02	-2.2913E+02
11	-1.0222E+02	3.5361E+00	-1.3505E+02	3.4552E+01
12	-1.9977E+02	-1.2258E+01	-8.1241E+00	-5.0209E+00
13	-8.4732E+01	6.2854E+00	-3.1990E+01	6.0939E+01
14	-2.3263E+01	2.4222E+01	-3.8333E+00	4.7099E+00
15	2.9267E+01	3.3628E+01	8.0342E+00	2.5586E+01
16	1.5881E+01	1.1444E-01	-3.2521E+00	-8.0162E+00
17	1.3445E+01	2.2906E+00	-6.1633E+00	-1.6967E+00
18	6.3851E+00	-1.2638E+01	7.9312E+00	-8.3795E+01
19	4.4279E+00	-2.9280E-02	7.0866E+00	6.5977E+00
20	-5.2464E-01	-2.1865E+00	1.2775E+01	-8.9750E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.1915E+04	-4.1324E+03
1/2PP	3.7124E+03	1.0625E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.0315E+01	-7.6338E+02	-5.7436E+03	7.7586E+03
02	-6.2173E+02	5.4218E+02	1.4371E+03	3.3400E+01
03	-5.8164E+02	1.2721E+03	-1.7312E+03	-7.1994E+02
04	-1.6097E+02	-8.8966E+02	-3.3027E+02	-4.5857E+02
05	1.4327E+03	-4.8214E+02	4.7972E+02	-4.0456E+02
06	-2.0906E+02	-4.5102E+02	-6.5691E+01	-3.8076E+02
07	1.3626E+02	-2.4376E+02	-1.7894E+02	1.1717E+02
08	-6.3638E+01	-1.7779E+02	-3.0623E+00	3.2368E+01
09	8.4979E+01	-1.2727E+01	1.7427E+02	4.4791E+02
10	-5.2464E+01	-6.3299E+01	-6.0687E+02	-3.5589E+02
11	8.8997E+01	3.6152E+01	-2.0952E+02	6.8714E+01
12	1.4172E+02	2.8412E+01	3.6191E+01	1.7701E+01
13	5.4822E+01	3.5631E+00	-9.4476E+01	1.1880E+02
14	-5.0742E+00	-4.3987E+01	-3.1476E+01	1.8668E+01
15	-1.6207E+01	-2.6245E+01	9.6946E+00	4.2222E+01
16	-2.7480E+01	-2.9371E+01	1.9172E+01	2.5124E+01
17	-4.2947E+01	-1.9572E+01	1.7026E+01	3.6668E+01
18	-4.5902E+01	-2.5857E+00	-4.8790E+00	3.8751E+01
19	5.2182E-01	-9.9608E-01	8.1105E+00	2.7639E+00
20	9.9899E+00	-3.3453E+00	8.5211E+00	-1.0284E+01

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.8868E+03	-2.8828E+03
1/2PP	4.5090E+03	8.1500E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.4531E+03	-2.2823E+03	-4.2340E+03	4.9251E+03
02	-1.3455E+03	2.7083E+02	1.3104E+03	-1.0391E+02
03	-5.4917E+02	1.3500E+03	-2.6390E+03	-3.8035E+02
04	-5.7259E+01	-4.0959E+02	-2.2135E+02	-3.1541E+02
05	1.5115E+02	-1.0800E+02	8.1815E+02	-7.6009E+02
06	-6.0697E+01	-8.5702E+00	-5.4558E+01	-6.4162E+02
07	-2.0248E+02	1.8256E+02	-1.5838E+02	-1.0883E+02
08	-1.7488E+01	3.7508E+02	4.1362E-01	2.5862E+02
09	-9.1556E+01	1.6830E+02	1.8991E+01	-8.0801E+01
10	6.4183E+01	3.7872E+01	1.4105E+02	1.0678E+02
11	4.3096E+01	1.5222E+00	7.7508E+01	1.5829E+01
12	3.1279E+01	-2.6609E+01	7.1352E+01	6.5621E+00
13	1.2456E+01	-1.6756E+01	-3.0003E+01	1.6373E+01
14	1.2228E+00	7.2445E+00	-2.3123E+01	9.1090E+00
15	-6.5045E+00	1.6351E+01	-4.7619E+00	1.2116E+01
16	1.6583E+00	2.9310E+00	2.0581E+01	3.2476E+01
17	3.6569E+01	1.3086E+01	4.8337E+01	6.5412E+01
18	3.1837E+01	-6.1465E+00	-3.9992E+01	2.0490E+02
19	2.9447E+00	-2.4869E+00	-1.1674E+01	1.9127E+00
20	-4.2703E+00	-7.1239E+00	-3.1656E+01	3.0621E-01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.3367E+02	-5.9245E+03
1/2PP	4.7851E+03	5.6744E+03

Nth	Flat.Bending @64%R, in-lb COSINE	Flat.Bending @64%R, in-lb SINE	Edg.Bending @64%R, in-lb COSINE	Edg.Bending @64%R, in-lb SINE
01	1.6012E+03	-2.1194E+03	-2.7639E+03	2.2825E+03
02	-2.4932E+03	-5.0100E+01	9.7618E+02	-6.2491E+01
03	-4.8828E+02	9.0165E+02	-2.1275E+03	-1.5403E+02
04	-1.3928E+02	5.2739E+02	-1.8208E+02	-1.7914E+02
05	-7.0809E+02	1.3991E+02	4.9276E+02	-6.7612E+02
06	1.0872E+02	3.0462E+02	-6.8493E+01	-5.1804E+02
07	-1.7682E+02	1.5148E+02	-4.6032E+01	-2.0170E+02
08	6.4691E+01	5.5959E+01	2.9709E+01	1.1813E+02
09	-3.7795E+00	-7.1378E+00	-1.2196E+02	-5.2318E+02
10	-2.9771E+01	-9.3850E+00	6.5588E+02	3.6082E+02
11	-1.2810E+02	-3.7980E+01	1.9621E+02	-4.4467E+01
12	-1.6576E+02	-1.1156E+01	-4.0807E+01	-8.0134E+00
13	-7.0147E+01	1.0583E+01	5.1065E+01	-7.4215E+01
14	-6.5289E+00	1.7024E+01	2.4152E+01	-1.0536E+00
15	1.0012E+01	-2.9408E+00	5.2395E+00	-2.6951E+01
16	1.3142E+01	1.1933E+00	1.0434E-01	-2.0257E+01
17	-1.9343E+01	-1.3110E+01	-1.9690E+01	-3.7454E+01
18	-1.9720E+01	-2.4920E+00	2.0664E+00	-5.3029E+01
19	-7.6828E+00	-4.4898E+00	-4.0862E+00	-4.0985E+00
20	5.7042E+00	6.2602E+00	6.3191E+00	7.7257E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.1374E+03	-6.0788E+03
1/2PP	4.0384E+03	3.0569E+03

Nth	Flat.Bending @81%R, in-lb COSINE	Flat.Bending @81%R, in-lb SINE	Edg.Bending @81%R, in-lb COSINE	Edg.Bending @81%R, in-lb SINE
01	1.8402E+02	-6.8458E+02	-9.5201E+02	1.5079E+02
02	-2.6708E+03	-1.1143E+02	1.9930E+02	-9.1737E+01
03	-6.7741E+02	2.8193E+02	-9.4226E+02	-1.7555E+02
04	7.5765E+01	7.6621E+02	-4.6686E+01	1.7174E+01
05	-6.7642E+02	4.6719E+02	7.8497E+01	-2.2451E+02
06	1.5568E+02	-3.1993E+01	2.9183E+01	-2.1470E+02
07	2.6304E+02	-2.3829E+02	1.5411E+02	-2.6029E+02
08	-1.6627E+01	-3.4405E+02	2.7570E+01	-1.2595E+02
09	-6.1997E+00	-1.0705E+02	-1.0754E+02	-5.1516E+02
10	-1.2731E-01	-2.3452E+01	4.7515E+02	3.0473E+02
11	1.0326E+02	4.3764E+01	1.6868E+02	1.4497E+00
12	1.2447E+02	8.9282E+00	-8.6797E+00	1.5345E+01
13	4.5709E+01	-2.0794E+01	1.0754E+02	-8.4613E+01
14	5.6644E+00	-1.3374E+01	3.4060E+01	-1.7250E+01
15	-1.0120E+01	6.6969E+00	-3.0377E+00	-2.8292E+01
16	-1.0959E+01	1.1928E+00	-2.1259E+01	-3.3805E+01
17	6.7292E+00	3.4300E+00	-5.0295E+01	-7.0614E+01
18	9.4660E+00	3.7468E+00	5.1703E+01	-2.0956E+02
19	3.2992E+00	4.3762E+00	2.3751E+00	-1.0984E+01
20	-2.1076E-01	-2.0654E+00	3.4712E+01	8.1498E+00

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-1.6408E+03		5.3106E+01	
1/2PP	8.5769E+02		1.0578E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-4.8060E+00	-4.4288E+01	-2.0492E+00	1.0966E+01
02	-4.1377E+01	1.2979E+01	3.2773E+00	1.2587E+00
03	-5.1815E+01	3.2310E+01	-9.6989E-01	-8.6331E-01
04	-5.9637E+02	-2.6331E+02	2.1435E+01	7.5550E+01
05	2.6662E+01	-4.2841E+01	-2.1259E+00	-5.6434E-01
06	-5.0852E+01	-3.3792E+01	9.2155E+00	2.1990E+00
07	-4.9407E+00	2.7946E+01	-1.6617E+00	-2.6614E+00
08	-1.6879E+01	2.6492E+02	-2.2196E+01	-1.0027E+01
09	1.9761E+00	-1.6809E+01	-9.9758E-02	-2.9860E-01
10	7.3297E+00	7.0184E+00	-2.1489E+00	4.3539E-01
11	-2.1129E+00	-1.0189E+01	-1.2178E+00	3.0698E-01
12	-3.5053E+01	3.0079E+01	-2.6957E+00	-5.2043E+00
13	-2.5394E+00	-8.6618E+00	1.5075E+00	1.8357E-01
14	-2.1633E+00	7.0005E+00	7.0828E-01	-3.0519E-01
15	8.2162E-01	-2.6392E+00	-1.1728E-02	-1.2982E-02
16	8.5204E+00	-9.4724E-01	-1.6903E+00	-1.8237E+00
17	3.0348E+00	-8.3582E-01	4.7926E-01	3.4066E-01
18	3.2032E+00	2.6951E-01	-4.9658E-01	-2.0805E-01
19	-1.6483E+00	-1.6277E+00	3.1522E-01	1.8721E-01
20	3.3685E+00	-4.1931E+00	2.7275E-01	1.2603E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-2.6506E+02		-7.9553E+01	
1/2PP	1.5929E+02		3.7466E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-6.7393E+00	3.3828E+00	1.7413E+02	1.1669E+02
02	2.6759E+00	-3.5713E+00	3.2374E+01	3.8302E+01
03	1.0407E+01	-6.1695E+00	-4.6189E+01	2.8333E+01
04	1.0827E+02	-5.7239E+01	-5.5814E+01	-2.4583E+01
05	-4.1061E+00	8.9472E+00	-9.0896E+01	3.6401E+01
06	-3.4072E+00	9.4364E+00	4.5997E+01	1.3467E+02
07	3.0509E+00	-6.2053E-01	4.1688E-01	3.0178E+01
08	2.2717E+01	-4.2360E+01	1.2735E+01	2.0678E+01
09	1.2538E+00	1.8063E+00	3.7554E+00	1.0297E+00
10	2.6846E-01	-3.7038E+00	4.3746E+00	7.3844E+00
11	1.9149E+00	1.4123E+00	-6.3445E+00	-1.5101E-01
12	1.1937E+01	2.8586E+00	-3.2075E+00	-5.7814E-01
13	-2.5718E+00	1.6344E+00	2.0948E+00	-1.1031E+00
14	4.8128E-01	-1.0854E+00	5.6449E+00	-2.5804E-01
15	-3.9646E-01	7.9756E-01	-1.0798E+00	-2.0453E+00
16	-2.1051E+00	2.2391E+00	-1.2192E+00	1.5011E+00
17	-7.3357E-01	-9.1779E-01	9.8489E-02	-9.4123E-01
18	-1.3632E+00	-2.5340E-01	-5.2958E-01	-5.8204E-01
19	-4.7682E-03	3.5523E-01	5.5490E-02	-8.1397E-01
20	3.8180E-01	-1.3096E-01	-4.9509E-01	-8.6705E-02

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.5938E+01		5.5357E+02	
1/2PP	6.4091E+00		1.3353E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.1913E+00	-5.9889E+00	1.3290E+02	1.3227E+03
02	4.5090E-01	6.6450E-01	2.0568E+02	-3.8159E+01
03	8.1969E-02	-1.7222E-01	-8.1465E+01	4.3483E+01
04	-2.8209E-01	-9.9741E-04	-2.2560E+01	3.0974E+01
05	-4.2861E-01	1.1119E-01	-2.5305E+01	-2.5076E+01
06	4.0672E-03	2.5136E-01	-2.1645E+01	5.6054E+00
07	-7.0824E-03	4.0120E-02	1.5412E+00	7.2522E+00
08	1.0439E-02	1.6816E-02	-1.7762E+01	-4.4791E+01
09	-4.7156E-03	-7.6155E-02	1.3374E+01	2.8304E+00
10	1.1071E-01	9.4631E-02	-2.1101E+01	-1.3086E+01
11	1.4725E-02	-2.6941E-02	-8.2185E+00	3.6481E+00
12	-4.7717E-02	1.6702E-02	-1.6151E+01	1.1294E+01
13	-1.3389E-02	-1.8055E-02	-4.1384E+00	2.1273E+00
14	9.8709E-03	-4.7967E-03	-7.5458E+00	-5.9553E-01
15	-1.0199E-02	-3.1197E-02	4.7515E+00	-1.9498E+00
16	1.0364E-02	1.1330E-02	4.3478E+00	-1.9440E+00
17	1.3831E-04	-8.6694E-03	-5.2840E+00	-1.9723E+00
18	4.5260E-03	2.3069E-02	-2.5179E-01	-1.2093E+01
19	-5.9676E-03	-6.9730E-03	1.6069E+00	-1.7173E+00
20	-4.2883E-03	6.9843E-03	1.9668E+00	-6.5404E-01

	MR Shaft Torque, in-lb	
MEAN	1.8212E+05	
1/2PP	1.5020E+04	
Nth	COSINE	SINE
01	1.0076E+03	1.5403E+03
02	7.7975E+03	6.8570E+03
03	1.1427E+02	2.3088E+02
04	1.8542E+03	3.2719E+03
05	3.4022E+02	-2.3074E+02
06	-1.2131E+03	1.5222E+03
07	-1.4406E+02	-1.5052E+02
08	-3.5108E+01	1.3038E+03
09	8.5034E+01	-1.3971E+02
10	6.9665E+02	3.8240E+02
11	-5.3174E+01	-1.3704E+02
12	5.1843E+02	-6.3553E+02
13	-1.0404E+02	-1.2481E+01
14	9.2929E+00	1.7365E+02
15	-4.5701E+01	-3.6689E+01
16	-5.0734E+01	1.2727E+02
17	2.1276E+01	-4.8354E+01
18	-9.2152E+01	-6.7942E+01
19	3.4325E+01	-2.5098E+01
20	6.2185E+00	-1.8493E+00

Flight 497, Condition G

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	2.4017E+04		7.1316E+03	
1/2PP	2.5975E+04		3.5693E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-4.1337E+03	2.7978E+03	-1.7452E+04	2.1949E+04
02	-1.1804E+04	-6.1231E+03	2.1569E+03	1.6389E+03
03	3.9258E+03	-8.6552E+03	3.7694E+03	-1.7636E+03
04	1.9060E+03	2.4900E+03	-7.4487E+02	3.0295E+02
05	-3.4427E+03	2.2415E+03	-2.6279E+03	2.7063E+03
06	3.5204E+02	-8.5203E+02	7.5090E+02	1.3916E+03
07	-9.3956E+02	6.1005E+02	2.0501E+02	-7.2742E+01
08	4.7828E+02	4.3651E+02	9.1791E+00	-1.0871E+02
09	-2.8260E+02	2.5992E+02	-3.5750E+02	-7.8503E+02
10	-7.9558E+01	-2.6567E+02	6.8189E+02	1.7895E+03
11	-1.1101E+02	8.1464E+01	4.1059E+02	2.1981E+02
12	-2.3888E+01	2.6879E+02	1.6550E+01	-9.5018E+01
13	-4.9169E+01	4.6437E+01	-3.3300E+01	-5.6152E+01
14	1.0136E+02	1.7064E+01	-2.9039E+01	1.8915E+01
15	1.8499E+01	-2.5094E+01	7.1293E+00	-5.7774E+01
16	9.9742E+01	-5.0712E+01	2.7391E+01	1.5905E+01
17	1.0114E+02	5.5043E-01	-3.3374E+01	-7.5244E+01
18	-2.9425E+00	2.3697E+00	-5.5903E+01	7.9863E+01
19	-5.0138E+00	-2.3674E+01	-1.6601E+01	-2.4030E+01
20	3.1693E+01	-8.4204E+00	-1.3057E+01	-1.6837E+01

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.7776E+04		7.2199E+03	
1/2PP	5.1140E+03		1.5758E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-9.6603E+02	4.3555E+02	-1.2078E+04	9.5434E+03
02	-3.2324E+03	-4.8292E+02	4.1778E+02	1.0508E+03
03	6.4024E+02	-1.1492E+03	1.3504E+03	-1.5432E+03
04	8.5663E+01	-1.9088E+02	-1.6662E+02	-2.4284E+02
05	9.2459E+02	-3.2914E+02	-6.3657E+02	8.3210E+02
06	-2.4572E+02	1.2633E+01	1.3290E+02	3.3199E+02
07	5.3013E+02	-2.6893E+02	4.2533E+01	-6.0241E+01
08	-3.0026E+02	-3.0122E+02	1.4746E+01	-1.7801E+02
09	6.5074E+01	-1.5297E+02	-4.2039E+01	-1.1760E+02
10	3.5678E+01	1.2581E+02	1.6199E+02	2.0002E+02
11	7.4428E+01	-1.0562E+02	6.4305E+01	-2.2874E+01
12	5.6676E+01	-1.7249E+02	3.2575E+01	-4.2114E+01
13	1.1065E+01	-3.5941E+01	2.8692E+01	1.6995E+00
14	-3.7288E+01	-7.1960E+00	-3.0694E+00	-7.8170E+00
15	-3.4666E+01	8.1354E+00	1.0017E+01	2.5131E+01
16	-7.4789E+01	4.3390E+01	1.1385E+01	-1.3473E+01
17	-1.1196E+02	-2.7041E+00	-1.3366E+01	-1.4305E+00
18	9.2138E+00	-1.4021E+01	9.8042E+00	-4.1015E+00
19	1.6712E+00	1.7457E+01	-7.4580E+00	1.1496E+01
20	-2.2751E+01	-7.3158E+00	-1.0226E+01	-2.1453E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.7445E+04	3.6430E+03
1/2PP	5.1175E+03	1.2653E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.3601E+03	8.4022E+02	-8.0288E+03	8.3874E+03
02	-1.4460E+03	2.3847E+02	1.0740E+03	4.7089E+02
03	-2.8633E+02	8.2467E+02	-1.1076E+02	-1.0001E+03
04	-2.5807E+02	-8.1762E+02	8.1856E+01	-5.7533E+02
05	2.2264E+03	-1.1269E+03	-8.0920E+01	8.3068E+01
06	-5.6400E+02	-6.3946E+01	5.2272E+01	-2.5678E+01
07	6.9886E+02	-4.2400E+02	-2.1679E+02	1.7297E+02
08	-3.8986E+02	-3.8799E+02	8.7727E+01	-6.7271E+01
09	2.4080E+02	-1.9447E+02	1.4491E+02	2.7307E+02
10	1.5081E+01	-8.2729E+00	-2.8298E+02	-6.2556E+02
11	-1.8613E+01	-9.3882E+01	-1.9787E+02	-2.1199E+01
12	-4.6460E+00	-1.5888E+02	1.1820E+01	-9.1664E+00
13	2.7728E+01	1.7596E+00	-2.6516E+00	3.0975E+01
14	-1.7845E+00	-1.1587E+01	1.8690E+01	-2.2087E+01
15	1.0498E+01	1.6375E+01	-3.7593E+00	1.8362E+01
16	-1.6334E+01	1.2266E+01	5.5070E+00	-2.1412E+01
17	-1.3409E+01	-4.0288E+00	9.5853E+00	2.1910E+01
18	4.6931E+00	-6.3437E+00	2.0033E+01	-5.6907E+01
19	1.3791E+01	8.9177E+00	8.2289E+00	1.4722E+01
20	-3.6281E+00	-7.6681E+00	1.3478E+01	-1.2197E+01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.2407E+04	-2.2296E+03
1/2PP	4.9177E+03	1.2454E+04

Nth	COSINE	SINE	COSINE	SINE
01	2.8978E+02	-3.0822E+02	-6.3666E+03	9.4478E+03
02	-6.5857E+02	6.9081E+02	1.4435E+03	-1.1670E+02
03	-8.7658E+02	1.7068E+03	-1.6869E+03	-8.7789E+02
04	-3.1131E+02	-9.5663E+02	5.7594E+02	-9.0926E+02
05	2.1405E+03	-1.4219E+03	1.0421E+03	-1.1038E+03
06	-5.1661E+02	-1.7421E+02	-1.6862E+02	-4.7670E+02
07	2.3150E+02	-2.7096E+02	-2.6136E+02	2.1010E+02
08	-1.6812E+02	-6.3455E+01	2.4429E+01	1.2570E+02
09	1.6812E+02	-4.2019E+01	2.1653E+02	4.1425E+02
10	-5.2833E+01	-1.4231E+02	-4.4805E+02	-8.7886E+02
11	-7.4491E+01	2.7406E+01	-2.5864E+02	-1.3699E+01
12	-8.0064E+01	8.8816E+01	6.9712E+00	-1.2568E+01
13	4.2021E+00	4.0396E+01	-4.7057E+01	1.5476E+01
14	2.4032E+01	5.8256E-01	1.1972E+01	-1.6045E+01
15	4.7119E+01	-1.3893E+01	-4.8453E+01	-8.6225E+00
16	4.8056E+01	-3.7504E+01	-4.3772E+01	1.3756E+01
17	1.0418E+02	-2.8922E+00	-3.8336E+01	2.3135E+01
18	-1.9890E+01	1.3414E+01	-1.2419E+01	7.9001E+00
19	6.9432E+00	-1.8848E+01	-9.2120E+00	1.0103E+01
20	1.0500E+01	7.7008E+00	1.0110E+01	-1.3296E+01

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	5.0627E+03	-1.8828E+03
1/2PP	5.0654E+03	9.6995E+03

Nth	Flat.Bending @48%R, in-lb COSINE	Flat.Bending @48%R, in-lb SINE	Edg.Bending @48%R, in-lb COSINE	Edg.Bending @48%R, in-lb SINE
01	1.6144E+03	-2.0015E+03	-4.4893E+03	6.0579E+03
02	-1.3506E+03	3.6605E+02	1.2827E+03	-3.9132E+02
03	-7.5872E+02	1.5520E+03	-2.7889E+03	-4.3845E+02
04	-1.3907E+02	-4.6582E+02	8.5793E+02	-8.6275E+02
05	3.3702E+02	-2.0902E+02	1.7886E+03	-2.1555E+03
06	-4.4021E+01	-2.3339E+02	-2.9783E+02	-7.4458E+02
07	-3.5300E+02	1.7091E+02	-1.8506E+02	1.8357E+01
08	2.6462E+02	2.9902E+02	-2.7431E+01	4.6364E+02
09	-1.8155E+02	1.5997E+02	-7.2121E-01	-2.7489E+01
10	-6.0106E+00	1.8865E+01	7.1857E+01	3.0416E+02
11	5.0079E+01	5.4706E+01	1.2657E+02	1.4712E+01
12	2.2187E+01	6.3065E+01	-2.0932E+01	1.4819E+00
13	-1.8636E+01	-2.3716E+01	-2.2553E+01	-4.0489E+01
14	-1.6420E+01	1.0022E+00	-2.6507E+01	-3.2476E+00
15	-3.8072E+01	8.1428E+00	-5.0696E+01	-2.7733E+01
16	-4.4826E+01	1.4518E+01	-7.9006E+01	4.7466E+01
17	-7.1346E+01	-7.1395E+00	-8.1004E+01	-1.4929E+01
18	1.3208E+01	-1.3405E+01	-5.8821E+01	1.2433E+02
19	-5.2947E+00	9.8449E+00	-3.5275E+01	-8.7487E+00
20	-4.8796E+00	-1.5527E+01	-2.2074E+01	6.1094E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.4328E+02	-5.2708E+03
1/2PP	5.0921E+03	7.8916E+03

Nth	Flat.Bending @64%R, in-lb COSINE	Flat.Bending @64%R, in-lb SINE	Edg.Bending @64%R, in-lb COSINE	Edg.Bending @64%R, in-lb SINE
01	1.6958E+03	-2.0661E+03	-2.8363E+03	3.0497E+03
02	-2.7542E+03	-1.0894E+02	1.0933E+03	-3.3698E+02
03	-5.2692E+02	7.1581E+02	-2.3442E+03	-3.3941E+02
04	-5.4375E+01	6.0102E+02	6.3550E+02	-5.8428E+02
05	-1.1111E+03	5.3139E+02	1.2560E+03	-1.9697E+03
06	3.0261E+02	1.9585E+02	-2.8841E+02	-5.9878E+02
07	-2.2349E+02	1.2431E+02	7.1145E+00	-8.6641E+01
08	7.4716E+01	1.0829E+01	-5.1824E+01	3.0033E+02
09	-3.8589E+01	3.0927E+01	-9.4873E+01	-4.4765E+02
10	1.4645E+01	6.6415E+01	4.8842E+02	9.8743E+02
11	8.7316E+00	-6.4065E+01	3.0710E+02	2.2589E+00
12	4.7157E+01	-1.4067E+02	-7.6031E+00	-1.1414E+00
13	2.8232E+00	7.1245E+00	5.3476E+01	-1.3273E+01
14	3.5733E+00	-6.9025E+00	-5.0076E+00	1.5196E+01
15	6.1515E+00	4.8580E+00	3.5763E+01	3.1694E+00
16	3.0453E+01	3.1966E+00	3.6627E+01	-1.5422E-01
17	2.6866E+01	1.5211E+01	3.4050E+01	-1.2623E+01
18	-4.9995E+00	4.8940E+00	1.3884E+01	-1.8348E+01
19	-5.0437E-01	-2.4882E+00	1.3713E+01	-1.7083E+01
20	7.6021E+00	9.7064E+00	-5.2904E+00	8.2221E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.2912E+03	-5.8147E+03
1/2PP	4.5160E+03	3.7380E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.1377E+02	-7.7545E+02	-9.5876E+02	5.9839E+02
02	-3.2712E+03	-4.2216E+02	2.9804E+02	-2.1808E+02
03	-5.9764E+02	-1.1577E+02	-1.0377E+03	-4.1374E+02
04	3.8629E+02	7.5146E+02	4.5164E+02	-5.1142E+01
05	-1.1815E+03	8.5367E+02	4.5355E+02	-7.7066E+02
06	4.7551E+01	7.0217E+01	-6.6055E+01	-2.4929E+02
07	4.0164E+02	-1.2006E+02	2.2219E+02	-1.6910E+02
08	-1.8479E+02	-2.8232E+02	-6.6081E+01	1.3461E+01
09	8.3517E+01	-1.2858E+02	-3.7902E+01	-4.8605E+02
10	3.0708E+00	-9.4495E+01	3.2972E+02	7.2606E+02
11	-2.2152E+01	6.1006E+01	1.7524E+02	4.5289E+01
12	-4.1865E+01	9.1860E+01	-3.7514E+01	6.4869E+01
13	4.5902E+00	-4.5114E+00	8.5889E+01	4.0158E+01
14	1.0856E+01	5.5470E+00	3.4111E+01	2.2997E+01
15	-2.9595E-01	2.8325E-01	7.8406E+01	5.3689E+00
16	-1.7274E+01	-5.6694E+00	7.3750E+01	-3.8970E+01
17	-1.1074E+01	-6.5451E+00	8.4679E+01	-9.9195E+00
18	3.8375E+00	-2.0285E+00	5.2365E+01	-1.0976E+02
19	-1.9791E+00	2.8364E+00	4.4283E+01	-6.3494E+00
20	-5.4657E+00	-6.3552E+00	2.1423E+01	4.6935E+00

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-2.1870E+03	1.5103E+02
1/2PP	1.4356E+03	2.1210E+02

Nth	COSINE	SINE	COSINE	SINE
01	-2.3315E+01	-5.5957E+01	5.8462E+00	1.3025E+01
02	-5.0963E+01	4.9048E+01	-3.3566E-01	-2.9694E+00
03	-4.2082E+01	5.4587E+01	-4.0512E+00	-9.8899E-01
04	-1.3602E+03	-1.2797E+02	1.0477E+02	1.3203E+02
05	5.4931E+01	-1.1887E+02	-9.6308E+00	6.6096E+00
06	-1.3280E+02	-3.9507E+01	2.2016E+01	1.9111E+00
07	-8.0741E+00	2.0519E+01	-1.2848E+00	-3.4054E+00
08	-4.9991E+00	1.4462E+02	-2.5423E+01	2.3168E+01
09	5.5875E+00	-6.1413E+00	-3.1824E+00	-3.3778E+00
10	-2.1563E+01	7.8514E+00	2.5805E+00	3.3804E+00
11	1.8952E+01	-2.0708E+00	-2.7779E+00	-4.6153E-01
12	1.8824E+02	7.3110E+01	-2.3779E+01	-6.0223E+00
13	-1.9802E+01	-1.1109E+00	1.7213E+00	-2.8396E+00
14	1.0635E+01	1.0190E+00	-1.4196E+00	-1.1708E-01
15	1.5778E+00	-8.3365E+00	1.6102E+00	-6.7394E-01
16	1.5112E+01	-2.4320E+01	1.4039E+00	-1.5921E+00
17	-2.9013E+00	3.7047E+00	-9.8759E-01	3.9867E-01
18	6.1869E+00	-1.8641E+00	-5.4383E-02	1.8514E+00
19	-1.0500E+00	-3.1066E+00	4.0350E-02	-3.8925E-01
20	-8.8289E+00	-1.6270E+01	-2.1804E+00	1.5507E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-3.1742E+02		-1.2360E+02	
1/2PP	3.0839E+02		6.3353E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-6.0999E-01	-1.0955E-01	1.9701E+02	2.0278E+02
02	4.7913E+00	-6.7643E+00	5.3868E+01	7.5518E+01
03	1.0006E+01	-9.9197E+00	-7.4628E+01	6.3782E+01
04	2.0681E+02	-1.8366E+02	-1.1621E+02	-1.5381E+01
05	-4.4791E+00	2.1052E+01	-1.5734E+02	1.1842E+02
06	-1.0158E+00	1.8361E+01	1.5173E+02	1.7825E+02
07	3.9377E+00	3.0584E-01	1.1934E+01	2.0689E+01
08	-1.2705E+01	-3.8538E+01	8.9325E+00	1.2504E+01
09	3.9677E+00	-2.4969E+00	-5.3444E+00	-2.5131E+00
10	-3.4629E+00	-5.1769E+00	9.0244E+00	1.5227E+01
11	2.5966E-02	9.7164E-01	4.8881E+00	1.1377E+00
12	-1.4569E+00	-6.1157E+00	2.0779E+00	-1.1984E+00
13	5.1388E+00	2.6083E+00	-1.1195E+00	-1.3591E+01
14	-2.8047E+00	-4.3045E+00	-1.5121E+01	5.3578E+00
15	-1.5831E+00	3.2204E+00	-1.4990E+00	1.2022E-01
16	6.1850E+00	6.2425E+00	4.9184E-01	2.4687E+00
17	-8.1327E-01	1.3271E+00	1.6346E+00	-2.1798E+00
18	-1.0272E-01	-1.1890E+00	-5.6502E-01	9.3768E-01
19	-6.0343E-02	8.6959E-01	7.2936E-01	-2.5504E-01
20	2.1336E+00	7.7326E-01	1.9609E+00	2.6362E+00

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.7874E+01		5.4544E+02	
1/2PP	7.4718E+00		1.3978E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.9035E+00	-6.8446E+00	3.7584E+02	1.3630E+03
02	6.2483E-01	9.0206E-01	2.3181E+02	-8.4278E+01
03	1.4855E-01	-6.3169E-02	-1.0474E+01	8.0547E+01
04	-5.2603E-01	5.4743E-03	3.6837E+01	-2.5834E+00
05	-7.5473E-01	5.0562E-01	-2.1556E+01	2.7722E+01
06	1.8960E-01	3.7537E-01	3.0096E+01	3.0972E+01
07	4.2024E-02	3.2194E-02	-8.9524E+00	3.5859E+01
08	1.0673E-02	6.2637E-02	-3.2973E+00	-8.8879E+00
09	-2.8958E-02	-5.2218E-03	1.7438E+01	1.2314E+01
10	5.0690E-02	1.8320E-01	-3.0797E+01	-2.1588E+01
11	3.2330E-02	2.9322E-02	-1.9143E+01	1.7122E+01
12	-4.6485E-03	3.9378E-02	-6.5161E+00	-1.5869E+01
13	-5.8636E-03	-2.8835E-02	-1.1801E+01	2.7194E+00
14	3.4152E-03	4.1193E-03	5.3856E+00	-1.2714E+00
15	-2.7986E-02	-2.7366E-02	4.5040E-01	-7.9424E+00
16	-7.2589E-03	2.5676E-02	4.6382E+00	-7.5334E-01
17	-1.7194E-02	1.2795E-02	-9.0617E-01	-2.5527E+00
18	-9.1580E-03	2.0941E-02	-3.2396E-02	-1.0852E+01
19	-1.1865E-02	-3.0964E-03	5.7553E+00	-1.0387E+00
20	-1.1025E-03	5.4163E-03	2.6099E+00	-6.3004E+00

	MR Shaft Torque, in-lb
MEAN	2.2176E+05
1/2PP	1.9720E+04

Nth	COSINE	SINE
01	9.1887E+02	6.9103E+02
02	1.2012E+04	9.7300E+03
03	-1.8087E+02	4.5034E+02
04	-3.0312E+03	2.8229E+03
05	8.5364E+02	-5.7349E+02
06	-1.5719E+03	3.5045E+03
07	6.7623E+01	-1.6783E+02
08	5.7038E+02	1.6697E+03
09	2.0313E+01	-1.6452E+02
10	5.0383E+02	1.7285E+02
11	-6.4846E+01	-1.3669E+02
12	3.1346E+02	9.8296E+01
13	3.6901E+01	-8.7858E+01
14	1.0393E+02	-1.9499E+02
15	-6.9286E+00	-6.3471E+01
16	-9.9364E+01	-5.2252E+01
17	-7.2416E+01	-5.0959E+00
18	-1.7475E+02	-5.9743E+01
19	-3.8161E+01	2.1861E+00
20	-6.5138E+01	-2.3150E+01

Flight 497, Condition H

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	2.2916E+04		9.7983E+03	
1/2PP	2.8773E+04		3.5408E+04	

Nth	COSINE	SINE	COSINE	SINE
01	-1.1394E+03	4.0504E+03	-1.6722E+04	2.2335E+04
02	-1.3746E+04	-6.1996E+03	2.2383E+03	1.5018E+03
03	2.9893E+03	-1.1256E+04	3.5200E+03	-2.9534E+03
04	2.5921E+03	2.4012E+03	-4.6248E+02	1.8375E+02
05	-2.8733E+03	2.6968E+03	-2.0215E+03	2.8517E+03
06	1.7771E+02	-9.0017E+02	8.4362E+02	1.3559E+03
07	-9.9441E+02	9.0647E+02	1.7269E+02	-1.2247E+02
08	6.7443E+02	3.4686E+02	3.0430E+00	-8.2103E+00
09	-2.4188E+02	3.1667E+02	-8.5326E+02	-7.6665E+02
10	-1.5214E+02	-2.4463E+02	3.4132E+02	1.1358E+03
11	-1.2138E+02	2.7468E+01	4.4942E+02	2.3168E+02
12	-1.0885E+02	3.1996E+02	5.2815E+00	-1.9885E+02
13	-2.7656E+01	5.3934E+01	-4.3480E+01	-2.8644E+01
14	6.8046E+01	-2.3382E+01	-5.1292E+01	1.8833E+01
15	8.4875E+00	-2.7954E+01	-4.5293E+01	-3.9537E+01
16	-8.2894E+00	-6.0712E+01	3.1139E+01	-1.1706E+01
17	7.1264E+01	-4.1395E+01	-2.1468E+01	-2.3748E+01
18	-8.1996E+00	2.9586E+01	3.6171E+01	1.4344E+02
19	-2.1260E+01	-2.3063E+00	-1.2330E+01	2.7315E+01
20	5.5554E+00	-4.7469E+01	-3.1192E+01	-1.0184E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.7342E+04	8.6325E+03
1/2PP	6.1870E+03	1.5788E+04

Nth	Flat.Bending @14.2%R, in-lb COSINE	Flat.Bending @14.2%R, in-lb SINE	Edg.Bending @14.2%R, in-lb COSINE	Edg.Bending @14.2%R, in-lb SINE
01	3.0328E+02	7.1437E+02	-1.1677E+04	9.8630E+03
02	-3.6266E+03	-4.6658E+02	4.0983E+02	1.0729E+03
03	5.4395E+02	-1.4892E+03	1.1783E+03	-1.9955E+03
04	1.2788E+01	-2.0149E+02	-2.0820E+02	-2.7809E+02
05	8.2466E+02	-3.7784E+02	-4.0162E+02	8.9152E+02
06	-2.5708E+02	2.4083E+01	2.0850E+02	3.1405E+02
07	5.7304E+02	-4.4306E+02	3.4327E+01	-8.0519E+01
08	-4.1969E+02	-2.3115E+02	-3.2717E+01	-1.6761E+02
09	-1.3125E+01	-1.1665E+02	-9.3123E+01	-1.0349E+02
10	6.8658E+01	1.1944E+02	9.3105E+01	1.3131E+02
11	8.0472E+01	-9.8978E+01	7.6159E+01	-1.8176E+01
12	1.2492E+02	-2.1065E+02	2.8813E+01	-5.9724E+01
13	-6.4905E+00	-1.4759E+01	2.7771E+01	8.7710E+00
14	-9.0117E+00	6.0466E+00	-1.4098E+01	-4.2055E+00
15	-1.6666E+01	1.7913E+01	9.7725E+00	1.2784E+01
16	1.9671E+01	3.8148E+01	1.3040E+01	-4.2225E+00
17	-7.7662E+01	2.5928E+01	-2.0278E+01	-5.1931E+00
18	-2.8061E+00	-4.1732E+01	4.8231E+00	-6.2478E+00
19	2.3339E+01	5.1074E+00	4.5916E+00	8.0510E+00
20	-1.1352E+00	1.7188E+01	-8.6004E+00	1.0230E+01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.7318E+04	4.6468E+03
1/2PP	5.2932E+03	1.2164E+04

Nth	Flat.Bending @19.54%R, in-lb COSINE	Flat.Bending @19.54%R, in-lb SINE	Edg.Bending @19.54%R, in-lb COSINE	Edg.Bending @19.54%R, in-lb SINE
01	-4.9461E+02	1.0297E+03	-7.8231E+03	8.5242E+03
02	-1.5605E+03	2.9168E+02	1.0779E+03	4.6732E+02
03	-1.9182E+02	1.0899E+03	-3.4224E+02	-1.1939E+03
04	-5.3321E+02	-8.0266E+02	-2.0982E+02	-4.4707E+02
05	1.9914E+03	-1.3211E+03	-3.6385E+01	8.3172E+01
06	-5.9692E+02	-1.8052E+01	7.8442E+01	-5.8105E+01
07	7.4079E+02	-6.5744E+02	-1.8778E+02	2.3676E+02
08	-5.5130E+02	-3.0456E+02	3.0928E+01	-7.3877E+01
09	1.8983E+02	-1.7652E+02	3.1629E+02	2.1956E+02
10	7.3040E+01	-1.0277E+01	-1.5614E+02	-3.9257E+02
11	-2.5188E+01	-6.9342E+01	-2.0892E+02	-3.3185E+01
12	4.1822E+01	-1.8528E+02	1.1905E+01	3.5601E+01
13	4.1078E+00	1.1881E+01	5.3512E+00	9.6091E+00
14	1.9716E+01	-1.4905E+01	1.9882E+01	-4.0552E+00
15	1.8319E+01	9.3226E+00	1.0999E+01	-1.7080E+00
16	1.1271E+01	4.1553E+00	5.8397E+00	-3.1039E+00
17	-2.0890E+01	2.6202E+00	6.6594E+00	4.0593E+00
18	1.7600E+00	-1.8913E+01	-3.3269E+01	-6.3767E+01
19	1.0629E+01	-1.3729E+00	6.3544E+00	-1.2643E+01
20	-2.0187E+00	-3.4844E+00	1.1176E+01	-7.6216E+00

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.2468E+04		-1.3217E+03	
1/2PP	5.2216E+03		1.1793E+04	
Nth	COSINE	SINE	COSINE	SINE
01	6.8144E+02	-2.5326E+02	-6.0322E+03	9.5758E+03
02	-5.4156E+02	8.5236E+02	1.3645E+03	-1.3088E+02
03	-7.3035E+02	2.3046E+03	-2.0041E+03	-8.0904E+02
04	-5.8897E+02	-9.3802E+02	-4.4454E+01	-6.3642E+02
05	1.8748E+03	-1.6171E+03	7.9990E+02	-1.1988E+03
06	-5.4242E+02	-1.1136E+02	-1.9373E+02	-4.9105E+02
07	1.9869E+02	-3.7855E+02	-2.2482E+02	2.5465E+02
08	-1.8903E+02	-2.0149E+01	1.7709E+01	1.3923E+02
09	1.7468E+02	-6.1589E+01	4.6838E+02	3.3771E+02
10	-1.3782E+01	-1.4717E+02	-2.3996E+02	-5.3597E+02
11	-1.0634E+02	3.4486E+01	-2.9336E+02	-3.3149E+01
12	-1.1524E+02	9.6835E+01	3.0861E+00	5.5248E+01
13	7.8891E-01	2.8897E+01	-5.2583E+01	-1.6548E+01
14	1.6212E+01	-6.3599E+00	2.9540E+01	4.6729E+00
15	2.1147E+01	-1.9623E+01	-3.2113E+01	-2.6175E+00
16	-2.2010E+01	-3.0590E+01	-3.0975E+01	2.8197E+01
17	6.2310E+01	-2.3168E+01	5.1803E-01	1.8032E+01
18	-2.1244E+00	4.1023E+01	1.2611E+01	3.4751E+01
19	-1.7987E+01	-3.5573E+00	-2.1597E+00	7.2016E+00
20	-2.9973E+00	-1.1818E+01	6.5410E+00	-7.4831E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	5.1979E+03		-1.2395E+03	
1/2PP	5.5346E+03		9.7236E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.6470E+03	-2.0292E+03	-4.2652E+03	6.0918E+03
02	-1.2091E+03	6.8242E+02	1.1281E+03	-4.2086E+02
03	-5.9176E+02	1.9972E+03	-2.9889E+03	-5.4939E+01
04	-2.5807E+02	-4.2572E+02	1.4389E+02	-5.7324E+02
05	3.1304E+02	-2.7148E+02	1.3408E+03	-2.2957E+03
06	-4.8588E+01	-1.8814E+02	-3.3067E+02	-7.2534E+02
07	-4.4865E+02	2.9760E+02	-1.9944E+02	-7.9698E+00
08	3.9125E+02	2.1310E+02	1.3907E+02	4.7065E+02
09	-1.4524E+02	1.5250E+02	-4.0342E+01	-6.2328E+01
10	-5.3755E+01	2.7431E+01	5.4901E+01	2.0362E+02
11	5.9873E+01	3.4423E+01	1.0688E+02	6.1242E+00
12	2.7622E+01	7.8437E+01	-2.5468E+01	1.4127E+00
13	-8.3324E+00	-9.3819E+00	-4.5761E+01	-1.6898E+01
14	-1.7706E+01	1.3472E+01	-1.7012E+01	-1.0340E+01
15	-2.1851E+01	2.2417E+01	-6.0228E+01	1.2647E+01
16	6.8049E+00	2.5734E+01	-6.4969E+01	4.4428E+01
17	-4.8533E+01	1.7054E+01	-4.1358E+01	9.4436E+00
18	-1.1104E+00	-2.9882E+01	7.6879E+01	1.7574E+02
19	1.0666E+01	6.0642E+00	-1.5868E+01	3.5575E+01
20	-3.3280E+00	7.5056E+00	-1.6400E+01	2.3721E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-1.0291E+02	-4.9401E+03
1/2PP	5.2288E+03	7.6317E+03

Nth	Flat.Bending @64%R, in-lb COSINE	Flat.Bending @64%R, in-lb SINE	Edg.Bending @64%R, in-lb COSINE	Edg.Bending @64%R, in-lb SINE
01	1.6847E+03	-2.1338E+03	-2.7613E+03	3.0695E+03
02	-2.6869E+03	3.0180E+02	9.2569E+02	-3.7470E+02
03	-4.4094E+02	8.1932E+02	-2.4834E+03	7.4069E+01
04	1.3103E+02	6.9511E+02	1.5798E+02	-2.8571E+02
05	-1.0448E+03	6.3229E+02	8.2726E+02	-2.0754E+03
06	3.7870E+02	1.3275E+02	-3.3341E+02	-5.3324E+02
07	-1.9215E+02	2.0221E+02	-2.1651E+01	-1.8563E+02
08	5.2674E+01	-1.7161E+01	7.6251E+01	3.4634E+02
09	-3.2842E+01	2.2411E+01	-3.5505E+02	-4.1895E+02
10	1.2430E+01	8.5713E+01	2.9273E+02	6.0429E+02
11	3.8820E+01	-5.3277E+01	3.3171E+02	1.7605E+00
12	6.7647E+01	-1.4928E+02	-8.7934E+00	-6.8488E+01
13	9.3332E+00	-8.3581E+00	5.0724E+01	7.7474E+00
14	1.1084E+01	-1.2506E+01	-1.0454E+01	-1.0027E+01
15	1.1581E+01	-1.2360E+01	2.2482E+01	-1.2069E+00
16	1.0339E+01	-1.4669E+01	3.2513E+01	-1.6113E+01
17	2.5639E+01	-3.0243E+00	9.6527E+00	-3.5899E+00
18	-4.1848E-01	1.3681E+01	-1.9416E+01	-4.3520E+01
19	-2.9773E+00	-4.1625E+00	5.3195E+00	-1.1624E+01
20	6.7626E+00	-2.7135E+00	-4.3671E+00	-1.0972E+01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.1972E+03	-5.8296E+03
1/2PP	4.6890E+03	3.7046E+03

Nth	Flat.Bending @81%R, in-lb COSINE	Flat.Bending @81%R, in-lb SINE	Edg.Bending @81%R, in-lb COSINE	Edg.Bending @81%R, in-lb SINE
01	5.3530E+01	-7.7947E+02	-9.9772E+02	6.3577E+02
02	-3.3714E+03	-1.1917E+02	1.8360E+02	-2.5987E+02
03	-5.4501E+02	-9.7047E+01	-1.1308E+03	-2.7005E+02
04	6.3599E+02	7.7248E+02	2.9834E+02	1.0472E+02
05	-9.8823E+02	9.6211E+02	2.8877E+02	-8.0951E+02
06	-6.6973E+01	1.9199E+01	-1.1559E+02	-2.4440E+02
07	4.6734E+02	-2.4846E+02	1.9949E+02	-2.9261E+02
08	-2.8781E+02	-1.9404E+02	-5.0037E+01	7.6943E+01
09	8.0980E+01	-9.7804E+01	-2.6398E+02	-4.4635E+02
10	-8.8642E-01	-1.0640E+02	1.9001E+02	4.0762E+02
11	-3.6478E+01	4.0783E+01	2.0534E+02	5.0221E+01
12	-5.9748E+01	1.0331E+02	-2.9426E+01	1.0241E+01
13	-8.9515E+00	6.8651E-01	9.0579E+01	4.1244E+01
14	1.8510E+00	5.6654E+00	1.6429E+01	-2.7801E+00
15	-8.9766E-01	7.9750E+00	6.7052E+01	-1.7279E+01
16	-9.5513E+00	7.3825E+00	6.4530E+01	-4.9230E+01
17	-1.2405E+01	1.7595E+00	3.3085E+01	-2.4042E+01
18	2.7416E+00	-5.7199E+00	-8.8689E+01	-1.8700E+02
19	2.6737E+00	4.5572E+00	1.8404E+01	-3.9882E+01
20	-5.0563E+00	1.6472E+00	2.0617E+01	-2.5758E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-2.3131E+03		1.3719E+02	
1/2PP	1.4392E+03		2.2712E+02	
Nth	COSINE	SINE	COSINE	SINE
01	1.1537E+01	-6.4771E+01	3.1651E+00	9.9664E+00
02	-9.6017E+01	3.6068E+01	2.4125E+00	1.6310E-01
03	-1.7803E+01	7.4880E+01	-8.2686E+00	-5.2584E+00
04	-1.2842E+03	-2.7577E+02	9.8942E+01	1.5668E+02
05	-4.8699E+00	-1.4368E+02	-5.7644E+00	1.2710E+01
06	-1.4411E+02	-1.1484E+01	2.0554E+01	-1.7663E+00
07	-2.7627E+01	2.7983E+01	1.9068E+00	-4.0277E+00
08	5.4493E+01	1.3681E+02	-3.1156E+01	3.0732E+01
09	-2.9153E+00	-3.6809E+00	-3.8643E+00	-1.2300E+00
10	-1.9094E+01	1.1780E+01	4.4850E+00	1.9165E+00
11	-1.8441E+01	8.0144E+00	1.6499E+00	1.6286E+00
12	1.9946E+02	4.3052E+01	-2.2995E+01	-4.7510E+00
13	-5.7724E+00	1.1470E+01	6.3610E-01	-1.6385E+00
14	6.3556E+00	-4.0534E+00	-1.6941E+00	8.4870E-02
15	3.3211E+00	-3.2699E+00	1.3718E+00	-3.9346E-01
16	-1.0936E+01	-3.4561E+01	1.9004E+00	-4.8839E-01
17	3.6628E+00	-1.2255E-01	-7.3238E-01	4.7129E-01
18	4.1222E+00	-8.1432E+00	-3.4578E-01	2.1711E+00
19	6.1880E+00	-3.6179E+00	1.0918E+00	5.2484E-01
20	-1.4860E+01	-2.1600E+01	-3.6051E+00	1.4900E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-3.1363E+02		-1.3287E+02	
1/2PP	3.4855E+02		6.5259E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-2.8928E+00	-6.4883E-01	2.0971E+02	1.8342E+02
02	4.2794E+00	-1.1109E+01	6.6132E+01	9.0316E+01
03	5.2814E+00	-7.1851E+00	-6.9024E+01	8.9772E+01
04	2.1173E+02	-2.1980E+02	-1.0951E+02	-2.9875E+01
05	2.8586E+00	1.6913E+01	-1.7528E+02	1.3180E+02
06	7.6042E-02	2.1654E+01	1.8947E+02	1.6300E+02
07	7.2207E+00	-5.3140E-02	2.6180E+01	2.4511E+01
08	-2.6675E+01	-3.7130E+01	1.3082E+01	9.5526E+00
09	1.6419E+00	-7.3713E+00	-5.2233E+00	-5.1847E+00
10	-6.1245E+00	-3.6604E+00	9.8919E+00	1.4927E+01
11	-6.5255E-01	-1.9229E+00	9.9660E+00	9.6329E-01
12	-1.6215E-01	-2.2843E+00	2.7513E+00	-1.4221E+00
13	4.4484E+00	-2.6338E-01	9.5018E-01	-1.7701E+01
14	-2.2908E+00	-4.0633E+00	-1.8033E+01	1.1571E+01
15	-2.6545E+00	2.9934E+00	-3.6422E+00	2.7408E+00
16	1.1988E+01	5.5868E+00	1.2643E+00	2.4936E+00
17	-6.4375E-01	2.1047E+00	2.0647E+00	-4.4732E-01
18	8.1477E-01	-1.4134E-01	-1.3827E+00	8.9711E-01
19	-1.5357E+00	-7.5195E-01	-5.0429E-01	1.4899E-01
20	2.1696E-01	1.3496E+00	1.9969E+00	2.8003E+00

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.8544E+01		5.4833E+02	
1/2PP	8.0869E+00		1.4228E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.5405E+00	-7.4776E+00	4.0881E+02	1.3356E+03
02	7.4884E-01	7.7820E-01	2.1628E+02	-7.4856E+01
03	1.1855E-01	-7.0057E-02	-3.0718E+01	5.0289E+01
04	-4.7918E-01	-6.9917E-02	2.4361E+01	2.4290E+01
05	-7.4384E-01	6.3043E-01	-2.1425E+01	1.8991E+01
06	2.6287E-01	3.4268E-01	1.5539E+01	2.7902E+01
07	8.2406E-02	6.2786E-02	-4.4289E-01	4.0762E+01
08	3.4879E-02	4.9136E-02	-1.9466E+01	1.3348E+00
09	-4.0712E-02	-8.9139E-03	1.9918E+01	4.5751E+00
10	5.8767E-02	1.0493E-01	-1.8188E+01	-1.5598E+01
11	5.1902E-02	5.1543E-02	-1.8800E+01	1.3916E+01
12	2.2278E-02	2.2129E-02	-2.3959E+00	-1.4484E+01
13	9.4278E-03	-1.6783E-02	-1.0376E+01	-1.2396E+00
14	4.8637E-03	-1.6466E-02	6.0410E+00	2.1421E+00
15	-1.5506E-02	-1.8861E-03	-1.5670E+00	-1.1355E+01
16	5.5350E-03	6.7704E-03	7.5268E+00	-4.8905E+00
17	1.1066E-02	2.3867E-02	8.3119E-01	1.2540E+00
18	3.2932E-03	1.3301E-02	-8.9026E+00	-9.0557E+00
19	-3.8666E-03	2.0072E-03	2.8093E+00	-4.0189E+00
20	-1.2712E-02	-2.7611E-03	1.2416E+00	-7.2917E+00

	MR Shaft Torque, in-lb	
MEAN	2.3762E+05	
1/2PP	2.2245E+04	
Nth	COSINE	SINE
01	8.0396E+02	5.5665E+02
02	1.4337E+04	1.0055E+04
03	8.9950E+01	3.1534E+02
04	-5.6762E+02	1.1627E+03
05	5.2020E+02	-8.7359E+02
06	-4.6343E+02	4.0041E+03
07	-2.3036E+02	-2.0163E+02
08	1.1474E+03	1.4804E+03
09	-9.2728E+01	4.4452E+01
10	5.7106E+02	-2.0520E+02
11	-1.2704E+02	4.8057E+01
12	3.2929E+02	2.7011E+02
13	5.5741E+01	-7.3942E+01
14	7.7274E+01	-3.8256E+02
15	-1.6512E+00	-2.5840E+01
16	-3.2360E+02	-4.6322E+01
17	-6.3284E+00	6.1561E+01
18	-8.3538E+01	5.7780E+01
19	4.2557E+01	5.6030E+00
20	-1.2033E+02	1.4299E+01

Flight 497, Condition I

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	2.2669E+04		9.1022E+03	
1/2PP	3.3217E+04		3.5520E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-5.2843E+03	3.4648E+03	-1.6604E+04	2.2893E+04
02	-1.4049E+04	-7.9506E+03	2.3512E+03	1.2321E+03
03	4.2076E+03	-1.2328E+04	3.6304E+03	-3.1537E+03
04	2.2300E+03	3.7255E+03	-3.6292E+02	1.5078E+02
05	-3.0425E+03	2.2917E+03	-1.6490E+03	2.4026E+03
06	9.4202E+01	-1.3404E+03	6.0929E+02	1.2028E+03
07	-1.0462E+03	2.8745E+02	1.0065E+02	-7.0538E+01
08	7.0405E+02	6.3236E+02	3.6378E+01	-2.5111E+01
09	-3.8151E+02	1.2406E+02	-3.1390E+02	-8.9505E+02
10	-9.5109E+01	-2.9597E+02	-1.8098E+02	1.2368E+03
11	-1.3476E+02	-1.2828E+01	2.6655E+02	3.1099E+02
12	-2.0014E+02	2.6512E+02	1.0277E+02	-1.9124E+02
13	-5.2636E+01	5.6995E+01	-4.0867E+01	1.5428E+01
14	9.6855E+00	4.5170E+01	-6.3308E+01	2.4109E+01
15	1.3942E+01	1.1399E+01	-3.9527E+01	-2.3176E+00
16	1.9076E+01	-1.6266E+01	2.7506E+01	1.7734E+01
17	7.9626E+01	1.9538E+01	-5.0830E+00	-6.9996E+01
18	6.4611E+00	3.0541E+01	3.2576E-01	6.1260E+01
19	7.4686E+00	1.3996E+01	4.8104E+01	2.2404E+01
20	2.5457E+01	-2.5715E+00	-1.4582E+01	-4.0622E+01

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.7094E+04		8.2607E+03	
1/2PP	6.0182E+03		1.6261E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-1.3696E+03	5.6864E+02	-1.1760E+04	1.0246E+04
02	-3.7193E+03	-9.5816E+02	5.5064E+02	8.6674E+02
03	6.7224E+02	-1.6264E+03	1.2031E+03	-2.1171E+03
04	7.3811E+01	-1.6368E+02	-2.1499E+02	-2.1580E+02
05	9.0686E+02	-1.9639E+02	-2.9506E+02	7.9925E+02
06	-1.5114E+02	9.8527E+01	1.2088E+02	2.8520E+02
07	5.3932E+02	-1.2609E+02	-1.8982E+00	-9.3595E+01
08	-4.3240E+02	-3.8556E+02	-3.8001E+01	-1.9639E+02
09	3.8263E+01	-7.2326E+01	-3.3370E+01	-1.2139E+02
10	4.9227E+01	1.5037E+02	3.0567E+01	1.6618E+02
11	1.3887E+02	-4.3705E+01	5.5008E+01	-4.9691E+00
12	1.9692E+02	-1.4348E+02	6.0695E+01	-4.4144E+01
13	6.8853E+00	-3.1328E+01	1.9682E+01	1.4430E+01
14	3.2374E+01	-2.7787E+01	-9.1834E+00	5.6655E+00
15	7.7597E+00	-1.2862E+01	1.6781E+01	3.3006E+01
16	1.4308E+01	1.6179E+01	1.0263E+01	2.3629E+01
17	-6.9794E+01	-2.8570E+01	-1.4657E+01	-6.1002E+00
18	-1.0348E+01	-2.5086E+01	2.5725E+00	-5.8367E+00
19	4.8497E+00	-7.5120E+00	-9.2261E-01	4.1373E-02
20	-4.2659E+00	-8.8933E+00	-3.5114E+00	-6.6649E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.7090E+04	4.4491E+03
1/2PP	5.3727E+03	1.1994E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.5313E+03	9.9787E+02	-7.5829E+03	8.7712E+03
02	-1.6023E+03	1.0362E+02	1.2023E+03	3.2955E+02
03	-3.4183E+02	1.1825E+03	-3.2271E+02	-1.3556E+03
04	-3.8310E+02	-1.0745E+03	-3.3908E+02	-3.5311E+02
05	2.1487E+03	-9.5245E+02	-5.2802E+01	7.6203E+01
06	-4.3055E+02	1.9208E+02	6.9454E+01	-6.4652E+01
07	7.3307E+02	-1.9244E+02	-2.6517E+02	1.1740E+02
08	-5.7381E+02	-5.1093E+02	1.7732E+01	-4.2758E+01
09	2.6672E+02	-4.5175E+01	1.4840E+02	2.8201E+02
10	7.6554E+01	5.4332E+01	3.2791E+01	-4.4322E+02
11	7.6742E+00	-5.5298E+01	-1.4487E+02	-7.2425E+01
12	1.1958E+02	-1.4444E+02	-3.2586E-01	2.5238E+01
13	1.2125E+00	3.1097E+00	6.2627E+00	2.0953E-01
14	3.2086E+01	-1.0188E+01	2.6380E+01	-1.2306E+01
15	2.3916E+01	8.3858E+00	1.3296E+01	-7.4772E+00
16	1.8796E+01	1.6897E+00	9.6377E+00	-4.6210E+00
17	-1.2184E+01	-1.0687E+00	1.1377E+01	1.9146E+01
18	3.2577E+00	-3.4987E+00	-1.1516E+00	-3.5818E+01
19	-8.7067E-01	1.2469E+01	-1.7578E+01	-5.5436E+00
20	-1.8314E+00	2.6706E+00	5.4395E+00	3.3485E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.2265E+04	-1.5853E+03
1/2PP	5.5022E+03	1.2162E+04

Nth	COSINE	SINE	COSINE	SINE
01	3.1258E+02	-1.5062E+02	-5.8014E+03	9.7027E+03
02	-6.1994E+02	9.1631E+02	1.4648E+03	-3.8720E+02
03	-9.6972E+02	2.5313E+03	-1.9689E+03	-1.0662E+03
04	-4.2689E+02	-1.2982E+03	-2.9220E+02	-5.3850E+02
05	2.0355E+03	-1.2565E+03	6.6749E+02	-1.0093E+03
06	-4.1518E+02	3.6487E+01	-8.5125E+01	-4.4355E+02
07	2.6747E+02	-1.6895E+02	-3.0479E+02	2.1567E+02
08	-2.1839E+02	-4.7951E+01	-1.8919E+01	1.7963E+02
09	1.8772E+02	2.2292E-01	2.2879E+02	4.1384E+02
10	1.5990E+01	-1.4002E+02	2.4596E+01	-6.1460E+02
11	-1.3569E+02	4.0416E+00	-1.8842E+02	-7.3485E+01
12	-1.4152E+02	4.4769E+01	-3.1084E+01	4.6418E+01
13	-8.8394E+00	4.2815E+01	-2.7860E+01	-2.9632E+01
14	-1.7884E+01	3.3732E+01	3.9839E+01	-2.4532E+01
15	-1.4574E+00	6.0897E+00	-3.2454E+01	-5.1081E+01
16	-1.3726E+01	-1.2275E+01	-2.7658E+01	-4.3809E+01
17	4.9828E+01	2.5621E+01	-1.3861E+01	-1.0866E+01
18	2.7209E+00	2.2318E+01	-1.1966E+00	1.6994E+01
19	-1.2385E+00	4.0995E+00	3.5784E+00	2.5886E+00
20	1.3527E-01	6.0728E+00	8.4092E+00	2.8840E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	5.0335E+03	-1.4186E+03
1/2PP	5.7594E+03	9.7093E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.6212E+03	-1.9011E+03	-4.1064E+03	6.1674E+03
02	-1.3088E+03	9.2490E+02	1.2443E+03	-6.4509E+02
03	-6.3975E+02	2.1696E+03	-2.9862E+03	-2.6822E+02
04	-2.2358E+02	-5.2764E+02	-1.8388E+02	-4.6705E+02
05	4.0463E+02	-2.6818E+02	1.1173E+03	-1.8765E+03
06	-8.5923E+01	-2.3379E+02	-1.8794E+02	-6.6439E+02
07	-3.8532E+02	-7.9654E-01	-1.9063E+02	1.5749E+02
08	4.1949E+02	3.1527E+02	1.2086E+02	4.9060E+02
09	-1.7405E+02	3.7438E+01	1.1068E+01	-1.0315E+02
10	-8.2933E+01	-1.7553E+01	-1.8020E+01	1.8895E+02
11	6.6896E+01	3.4810E+01	5.5122E+01	3.9256E+01
12	1.0211E+01	9.1405E+01	-4.1149E+01	1.8742E+01
13	1.3712E+01	-1.6800E+01	-5.1468E+01	-1.2047E+01
14	-1.6239E+00	-1.6289E+01	-2.0971E+00	-7.1600E+00
15	1.7797E+00	1.5777E+00	-7.0139E+01	-3.4312E+01
16	1.3266E+00	2.0369E+01	-5.3617E+01	-3.5476E+01
17	-3.7583E+01	-1.1292E+01	-5.5977E+01	-6.1608E+01
18	-7.5016E-01	-1.3358E+01	-5.1419E+00	8.6055E+01
19	9.8446E-01	8.8019E+00	3.4717E+01	1.7129E+01
20	-4.9868E+00	2.0031E+00	-4.2861E+00	-6.2576E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-1.5812E+02	-5.0481E+03
1/2PP	5.4548E+03	7.5523E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.7628E+03	-2.1233E+03	-2.6490E+03	3.1405E+03
02	-2.7640E+03	4.0332E+02	1.0369E+03	-5.2329E+02
03	-4.1743E+02	8.5366E+02	-2.4471E+03	-7.0304E+01
04	4.9608E+01	8.6799E+02	-9.7840E+01	-1.2387E+02
05	-1.1612E+03	4.4262E+02	6.8748E+02	-1.7214E+03
06	3.4344E+02	7.4964E+01	-2.0928E+02	-5.2152E+02
07	-2.3608E+02	1.1452E+02	-7.6453E+00	6.2648E+01
08	7.5186E+01	-1.0560E+01	8.1819E+01	3.6801E+02
09	-1.0891E+01	1.9537E+01	-7.7725E+01	-5.0574E+02
10	-1.0221E+00	1.2208E+02	-1.0749E+01	6.8862E+02
11	4.6876E+01	-2.6742E+01	2.2559E+02	8.0982E+01
12	9.7405E+01	-1.1421E+02	2.2160E+01	-5.4115E+01
13	-9.3145E+00	-1.8333E+01	4.8289E+01	2.0695E+01
14	8.0157E+00	-2.2733E+00	-3.9040E+01	7.9139E+00
15	1.5128E+00	-4.5336E+00	3.2117E+01	3.8142E+01
16	1.2294E+01	-1.4592E+01	1.4098E+01	4.3851E+01
17	2.0205E+01	6.8126E+00	2.2034E+01	1.8939E+01
18	-2.4829E+00	4.4225E+00	-2.3517E-01	-1.0342E+01
19	1.1856E+00	-6.3978E+00	-7.0815E+00	-4.4016E+00
20	5.4327E+00	-2.0765E+00	2.1623E+00	-6.1531E+00

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-4.1429E+03		-5.9185E+03	
1/2PP	4.9552E+03		3.6346E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.0058E+02	-8.1280E+02	-9.6466E+02	6.8182E+02
02	-3.4644E+03	-2.3011E+02	2.2095E+02	-3.4368E+02
03	-3.6192E+02	-1.0238E+02	-1.0650E+03	-3.4762E+02
04	5.9369E+02	1.0989E+03	1.6746E+02	2.9017E+02
05	-1.1352E+03	8.4029E+02	1.8240E+02	-6.5919E+02
06	-1.0143E+02	-2.7690E+01	-4.2298E+01	-2.4853E+02
07	4.2178E+02	1.0637E+01	1.8774E+02	-3.7702E+01
08	-3.2772E+02	-2.4800E+02	-3.4324E+01	1.0004E+02
09	8.3557E+01	-1.2661E+01	-1.2446E+01	-4.6991E+02
10	2.4429E+01	-1.2254E+02	-2.3520E+01	4.6428E+02
11	-4.2459E+01	1.1919E+01	1.3105E+02	5.6200E+01
12	-8.2409E+01	7.5940E+01	-8.2476E+00	-1.1609E+00
13	-8.3656E-01	1.2414E+01	7.5870E+01	5.4160E+01
14	2.3881E+00	2.8332E+00	-4.7932E+00	2.0078E+01
15	4.8337E-01	6.4229E+00	7.3291E+01	5.4279E+01
16	-1.0038E+01	4.4127E+00	5.3680E+01	5.5144E+01
17	-9.7235E+00	-2.3942E+00	5.1239E+01	4.8152E+01
18	3.0641E+00	-1.0203E-01	-6.1426E+00	-8.8143E+01
19	-1.1490E+00	6.5158E+00	-4.1435E+01	-1.5293E+01
20	-4.0280E+00	1.7626E+00	4.5051E+00	4.5041E+00

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-2.5306E+03		1.7144E+02	
1/2PP	1.8791E+03		2.7063E+02	
Nth	COSINE	SINE	COSINE	SINE
01	6.3324E+00	-5.3456E+01	2.5037E+00	1.1224E+01
02	-8.4630E+01	4.4304E+01	1.8572E+00	-8.4087E-01
03	-3.6697E+01	7.4095E+01	-8.1656E+00	-6.8729E+00
04	-1.3103E+03	-9.1133E+02	7.0947E+01	2.1204E+02
05	-1.3670E+01	-1.6560E+02	-6.1234E+00	1.2644E+01
06	-1.4878E+02	-4.2769E+01	2.1945E+01	2.4374E+00
07	-3.1553E+01	1.3308E+01	3.4252E+00	-3.6343E+00
08	-4.3106E+01	8.2620E+01	-2.9970E+01	2.8570E+01
09	-6.0726E-02	-1.7125E+01	-4.1664E+00	-1.6758E+00
10	-3.6742E+01	4.9621E+00	5.3533E+00	1.8704E+00
11	-1.4868E+01	7.0399E+00	-3.5816E-01	5.5685E-01
12	2.2596E+02	1.0146E+02	-2.2134E+01	-8.7865E+00
13	-1.0338E+01	5.5399E+00	5.8065E-01	-1.3439E+00
14	4.1045E+00	-4.7423E+00	-4.1239E-01	1.5876E+00
15	4.1002E+00	-1.7339E+00	1.9369E-01	6.1736E-01
16	1.6543E+01	-2.6298E+01	1.8510E+00	1.6807E+00
17	2.4267E+00	1.4214E+00	-1.3720E+00	1.1457E-01
18	1.0768E+01	-3.5926E+00	-8.0987E-01	2.1921E+00
19	7.4366E+00	2.1387E+00	6.1190E-01	1.1190E+00
20	3.0386E-01	-2.8335E+01	-8.4261E+00	-1.8843E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-3.0838E+02		-1.5399E+02	
1/2PP	4.0913E+02		6.9238E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-3.7961E+00	1.2685E+00	2.0819E+02	2.0173E+02
02	3.5949E+00	-6.5655E+00	7.1582E+01	9.7000E+01
03	6.4002E+00	-9.9749E+00	-8.7016E+01	8.6382E+01
04	2.9478E+02	-1.8904E+02	-1.1607E+02	-8.5123E+01
05	2.3860E+00	2.0614E+01	-2.2219E+02	9.8490E+01
06	-4.5620E+00	2.5055E+01	1.6052E+02	1.8424E+02
07	8.0246E+00	2.5324E+00	1.7914E+01	1.3194E+01
08	-3.2171E+01	-2.7138E+01	9.4008E+00	7.1773E+00
09	3.3439E+00	-7.4412E+00	-1.0988E+01	-5.6175E+00
10	-5.0203E+00	-7.0594E+00	1.0431E+01	1.8410E+01
11	8.4143E-01	-5.3981E-01	1.3377E+01	1.6859E+00
12	-1.4696E+01	-2.1710E+00	1.6761E+00	-3.1437E+00
13	5.1910E+00	2.6406E+00	7.9440E+00	-1.8267E+01
14	-8.8898E-01	-3.0449E+00	-1.4309E+01	-1.4902E+00
15	-2.7919E+00	1.1010E+00	-4.8799E+00	1.4611E+00
16	8.1753E+00	3.8012E+00	-8.5640E-01	2.3796E+00
17	-6.5762E-01	6.6671E-01	1.6814E+00	1.6502E-01
18	4.4632E-01	1.0497E+00	-1.3827E-01	-6.9645E-01
19	-9.5188E-01	-1.9795E+00	-5.8053E-01	4.3464E-01
20	3.4760E+00	5.4749E+00	2.6850E-01	3.2953E+00

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.8358E+01		5.4963E+02	
1/2PP	8.0438E+00		1.4206E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.7885E+00	-7.4360E+00	4.5811E+02	1.3218E+03
02	7.5547E-01	7.8973E-01	2.0680E+02	-1.0189E+02
03	7.8629E-02	-1.0673E-01	-1.1774E+01	3.6026E+01
04	-4.7558E-01	-1.9795E-01	1.6884E+01	1.6829E+01
05	-8.1672E-01	4.6169E-01	-1.8480E+01	4.1364E+00
06	1.9201E-01	3.1402E-01	2.0717E+01	2.7986E+01
07	3.1885E-02	3.1190E-02	-1.3514E+01	3.9165E+01
08	1.7244E-02	5.2566E-02	-1.5776E+01	7.0194E+00
09	-2.5383E-02	-3.2109E-02	1.8829E+01	1.7625E+01
10	-1.4169E-03	1.0021E-01	-9.1582E+00	-2.0435E+01
11	3.1818E-02	5.8879E-02	-1.3067E+01	1.3568E+01
12	2.2218E-02	1.7963E-02	5.1028E+00	-2.2009E+01
13	8.5174E-03	-2.2596E-02	-8.5936E+00	-1.7604E+00
14	6.5686E-03	-2.0911E-02	3.7517E+00	-3.1430E+00
15	-1.5704E-02	-9.1501E-05	1.7133E+00	-8.9182E+00
16	-4.5068E-03	1.0147E-02	7.4731E+00	-6.7453E-01
17	-1.3439E-03	1.9116E-02	4.0522E+00	1.5044E-01
18	2.0616E-03	9.4084E-03	-1.6128E+00	-4.7208E+00
19	-5.3547E-03	7.5835E-03	1.1773E+00	7.1871E-01
20	-1.1085E-02	-7.0868E-03	-7.4019E-02	-4.1726E+00

	MR Shaft Torque, in-lb
MEAN	2.3314E+05
1/2PP	2.4581E+04

Nth	COSINE	SINE
01	7.9030E+02	1.2647E+03
02	1.4851E+04	1.1530E+04
03	1.2864E+02	3.3177E+02
04	1.1744E+03	1.1957E+03
05	6.4622E+02	-6.8002E+02
06	-7.9641E+02	4.3301E+03
07	5.1294E+01	-1.9889E+02
08	1.1707E+03	1.5225E+03
09	-1.1028E+02	-5.5854E+01
10	9.5666E+02	-2.4554E+02
11	-2.2316E+01	-8.8199E+01
12	3.6971E+02	5.7673E+02
13	1.0472E+02	-2.9855E+01
14	3.1214E+02	-4.7030E+02
15	-3.8212E+01	-6.4730E+01
16	-2.2476E+02	-2.4734E+02
17	-2.4802E+01	2.3282E+01
18	-1.1711E+02	-6.5472E+01
19	8.7188E+00	-2.7369E+01
20	-1.8858E+01	-7.4706E+01

Flight 499, Condition B

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	1.4565E+04	-1.3792E+04
1/2PP	7.7867E+03	1.5837E+04

Nth	COSINE	SINE	COSINE	SINE
01	3.5737E+03	-2.0823E+02	-1.4030E+04	5.2021E+03
02	6.9837E+02	1.4549E+03	7.6163E+02	9.7405E+02
03	1.0855E+03	-1.4987E+03	2.0929E+03	-2.2439E+02
04	6.0464E+02	7.0345E+02	1.3485E+00	1.0428E+02
05	-6.5283E+02	-9.9364E+02	7.5054E+02	-3.9660E+02
06	6.8811E+02	-4.7654E+02	1.8689E+02	-1.7528E+02
07	7.7886E+02	-2.3760E+02	-1.1533E+02	-7.3486E+01
08	3.7802E+02	1.0711E+02	-3.3807E+01	1.8043E+01
09	2.6330E+02	-9.5489E+01	1.9595E+01	4.1533E+02
10	-1.8753E+01	-5.7785E-01	1.2144E+01	-1.5903E+02
11	-1.4587E+02	-3.7371E+01	-2.9235E+02	-1.1073E+02
12	3.4455E+01	-3.3939E+02	-1.2489E+02	3.6417E+01
13	-1.7407E+01	-1.4247E+01	4.4451E+00	-5.0363E+01
14	-2.4232E+01	-4.5527E+01	-2.1485E+01	-3.5140E+01
15	3.4651E+01	-3.1922E+01	1.6986E+00	1.9379E+01
16	1.1081E+02	6.1939E+01	-1.4975E+01	-8.8561E+00
17	-1.0969E+02	2.6250E+01	1.1098E+02	-6.2789E+01
18	3.4126E+01	-2.7893E+01	5.6595E+01	-3.6934E+01
19	2.9884E+01	3.1789E+01	3.0079E+01	3.8277E+01
20	-6.9221E+00	4.8063E+01	1.3519E+01	-1.5090E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	1.5166E+04	-3.9554E+03
1/2PP	2.7663E+03	5.4251E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.7885E+03	-1.9515E+02	-5.3026E+03	3.8004E+02
02	-6.1441E+01	5.7044E+02	2.9346E+02	5.5690E+02
03	-3.2769E+01	-6.9501E+01	4.7594E+02	4.9874E+01
04	2.2312E+01	-5.3577E+01	9.9793E+01	-6.7234E+01
05	1.1763E+02	3.5744E+02	2.7112E+02	-6.6061E+01
06	-1.9732E+02	1.4574E+02	-3.3161E-01	-3.9287E+01
07	-4.2984E+02	7.1024E+01	-1.4481E+01	-5.3001E+01
08	-2.0541E+02	-3.9044E+01	-6.0552E+01	-5.2922E+00
09	-7.5825E+01	-6.5010E+00	-7.2130E+00	5.9893E+01
10	1.0078E+01	-1.7124E+01	2.2740E+01	-4.3566E+01
11	1.3690E+02	1.1783E+02	-5.3598E+01	-6.3435E+00
12	-2.1683E+01	2.5651E+02	-5.4627E+01	4.7111E+01
13	2.4046E+01	3.1371E+01	-9.1703E+00	3.8112E+00
14	5.1169E+01	3.2918E+01	-7.1586E+00	1.2766E+01
15	-3.1476E+01	2.6125E+01	2.0847E+00	-2.0315E+00
16	-1.0854E+02	-3.8727E+01	-1.4675E+01	-2.0752E+01
17	1.0887E+02	-2.2656E+01	1.8407E+01	5.5094E+00
18	-3.5591E+01	4.8155E+01	-4.4460E+00	1.7756E+00
19	-4.2204E+01	-3.6968E+01	-8.9763E+00	2.8211E+00
20	7.7113E+00	-4.9373E+01	2.4096E-02	-5.6301E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.4409E+04	-3.1322E+03
1/2PP	2.0907E+03	5.0607E+03

Nth	COSINE	SINE	COSINE	SINE
01	5.2288E+02	-3.4832E+02	-4.9115E+03	1.3045E+03
02	-2.6968E+02	1.9570E+02	4.0606E+02	2.3688E+02
03	-3.1358E+02	2.4401E+02	1.0582E+02	-2.6989E+02
04	-1.6602E+02	-2.8621E+02	1.2274E+02	-2.8580E+02
05	3.0117E+02	6.7031E+02	-7.2080E+01	-6.3551E+01
06	-3.9094E+02	2.7388E+02	-3.6194E+00	-9.1582E+00
07	-5.9739E+02	1.0451E+02	1.7275E+02	-8.6312E+01
08	-2.8260E+02	-7.1650E+01	-9.6815E+00	1.0325E+01
09	-1.5346E+02	8.7368E+00	-1.9423E+00	-1.7790E+02
10	1.4315E+01	-9.3672E-01	-2.0539E+01	5.9676E+01
11	1.0412E+02	6.0392E+01	1.0836E+02	2.9413E+01
12	2.0234E+01	2.2298E+02	9.6800E+00	7.6434E+00
13	-5.9106E-01	2.6198E+01	-7.6963E+00	1.2972E+01
14	3.9320E+01	9.3616E+00	8.9355E+00	6.5512E+00
15	-2.2569E+01	1.0625E+01	6.1684E-01	2.1465E+00
16	-4.1227E+01	-1.0324E+01	-2.8027E+00	-1.2836E+00
17	8.9126E+00	-2.3138E+01	-3.9070E+01	2.6096E+01
18	-4.6302E+00	1.2223E+01	-2.4755E+01	2.6455E+01
19	-1.3949E+01	-4.0620E+00	-1.0221E+01	-1.9010E+01
20	2.3928E+00	2.0663E+00	-3.9692E+00	9.9522E-01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.0307E+04	-7.4999E+03
1/2PP	2.2123E+03	6.4953E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.5154E+02	-8.4894E+02	-5.3427E+03	2.4286E+03
02	-7.4031E+02	-1.9617E+02	6.9468E+02	1.3890E+02
03	-5.5402E+02	2.7387E+02	-2.7025E+02	-6.5415E+02
04	-2.9353E+02	-3.7769E+02	1.7853E+02	-5.1425E+02
05	3.1595E+02	5.2976E+02	-4.7431E+02	2.7217E+01
06	-2.3006E+02	2.1001E+02	-7.8826E+01	7.5033E+01
07	-2.1846E+02	7.8048E+01	1.1046E+02	-1.4237E+00
08	-7.0984E+01	9.3658E+00	2.3910E+01	-6.9201E+00
09	-6.0007E+01	3.6627E+01	1.0336E+01	-2.6242E+02
10	-8.0781E+00	1.6761E-01	-5.5451E+01	1.1378E+02
11	-3.9945E+01	-9.9260E+01	2.1187E+02	7.9555E+01
12	6.7540E+01	-1.2109E+02	9.3192E+01	-7.0850E+00
13	-1.6176E+01	-1.6561E+01	1.1450E+01	1.0235E+01
14	-1.2257E+01	-4.2368E+01	2.4974E+01	-5.6164E-04
15	3.4475E+01	-2.0527E+01	-1.6878E+01	4.5170E+00
16	8.7233E+01	4.5324E+01	-1.0961E+01	2.5880E+01
17	-8.9685E+01	1.4393E+01	2.2521E+01	-2.7013E+01
18	3.6290E+01	-4.1109E+01	7.0255E+00	-4.1415E+00
19	3.5508E+01	2.7313E+01	9.2962E+00	-2.3929E+00
20	-6.5353E+00	3.5657E+01	2.3211E+00	-2.1840E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.0054E+03	-4.3624E+03
1/2PP	2.8573E+03	5.0902E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.5992E+02	-1.4154E+03	-3.1252E+03	1.3036E+03
02	-1.3387E+03	-2.3566E+02	7.3303E+02	-1.3683E+02
03	-6.4934E+02	4.9758E+02	-8.1093E+02	-6.4590E+02
04	-1.9789E+02	-7.2796E+01	1.3830E+02	-4.6886E+02
05	5.3717E+00	-1.8119E+00	-8.3489E+02	6.1615E+01
06	1.6149E+02	-4.6938E+01	-8.9319E+01	7.3637E+01
07	3.8944E+02	-3.2974E+01	-1.9962E+02	1.3746E+02
08	1.9556E+02	2.0064E+01	9.5824E+01	-2.8725E+01
09	1.1469E+02	-3.3246E+01	3.0869E+01	6.6902E+01
10	1.8105E+01	2.4399E+01	-3.5538E+00	-1.5325E+01
11	-6.4894E+01	2.2169E+01	6.7078E+00	1.5062E+01
12	-5.4217E+01	-9.1510E+01	7.9194E+01	-1.9784E+01
13	8.2240E+00	-2.1128E+01	4.7887E+01	-7.7403E+00
14	-1.9166E+01	3.5232E+01	2.0255E+01	-1.9379E+01
15	-3.7934E+01	1.1995E+01	-1.5484E+01	-1.0946E+01
16	-6.0056E+01	-5.1203E+01	-1.9393E+01	1.6691E+01
17	6.8959E+01	-2.2207E+01	1.4915E+02	-5.8478E+01
18	-3.2662E+01	3.1257E+01	7.1978E+01	-4.8196E+01
19	-3.8420E+01	-1.6858E+01	1.5422E+01	4.0767E+01
20	4.1645E+00	-2.9646E+01	1.4117E+01	-1.1270E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.5453E+02	-7.3822E+03
1/2PP	3.3651E+03	3.9305E+03

Nth	COSINE	SINE	COSINE	SINE
01	-2.1364E+02	-1.1680E+03	-1.7410E+03	4.9052E+02
02	-1.6067E+03	-1.6511E+02	4.9411E+02	-2.5558E+02
03	-7.8359E+02	5.7071E+02	-8.4595E+02	-4.5492E+02
04	3.5259E+01	2.3070E+02	3.2492E+01	-3.1309E+02
05	-1.2073E+02	-2.9219E+02	-7.5968E+02	7.8487E+01
06	1.0705E+02	-1.1156E+02	2.3566E+01	2.6934E+01
07	8.0487E+01	3.7472E+00	-3.2543E+02	1.3578E+02
08	2.4873E+01	3.0292E+01	2.8281E+01	-7.2845E+01
09	-2.3281E+01	-2.2005E+01	-2.9424E+00	2.8749E+02
10	-3.1174E+01	5.1763E-01	5.5232E+01	-1.2444E+02
11	7.8965E+01	1.0940E+02	-1.3567E+02	-5.9271E+01
12	-5.2653E+00	2.0468E+02	-3.8003E+01	5.2010E+01
13	2.1278E+00	1.8926E+01	2.2307E+00	-5.7939E-01
14	3.0578E+01	-1.0138E+01	-5.4232E+00	-4.2691E+00
15	1.9281E+01	-2.3521E+00	1.1244E+01	-2.4713E+00
16	2.1835E+01	3.2489E+01	7.5555E+00	-9.2319E+00
17	-4.3527E+01	1.7442E+01	-3.2836E+01	2.1457E+01
18	1.6461E+01	-1.2799E+01	-1.3820E+01	6.8534E+00
19	2.6712E+01	7.6109E+00	-4.4689E+00	-1.0210E+01
20	-1.7420E+00	2.4999E+01	-2.6398E+00	4.5183E+00

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-3.4633E+03		-7.0682E+03	
1/2PP	3.3337E+03		2.3398E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-6.8589E+00	-1.7661E+02	-7.0659E+02	-1.0047E+02
02	-1.5144E+03	-2.3448E+01	9.8254E+01	-1.1811E+02
03	-9.3117E+02	6.0517E+02	-5.4995E+02	-2.0376E+02
04	2.0434E+02	3.1761E+02	-1.2680E+00	-1.0138E+02
05	4.0192E+01	-2.2577E+02	-3.5762E+02	-1.0560E+01
06	1.0614E+01	-1.6058E+01	4.5255E+01	-1.1769E+01
07	-3.7047E+02	-1.5287E+01	-3.4983E+02	4.9935E+01
08	-2.3554E+02	-5.3384E+01	-8.2782E+01	-6.4860E+01
09	-6.2673E+01	4.0388E+01	-5.6270E+01	2.3826E+02
10	3.1820E+01	-6.7518E+00	6.7833E+01	-9.0778E+01
11	-4.3742E+01	-1.2392E+02	-1.3216E+02	-1.1314E+02
12	-4.0299E-01	-1.4898E+02	-5.8034E+01	-2.9007E+01
13	-2.3420E+01	2.0691E+01	-4.3327E+01	-3.0939E-01
14	-2.9084E+01	7.9028E+00	-3.6969E+01	2.4119E+01
15	2.9145E+00	-1.8561E+01	3.0180E+01	1.3532E+01
16	-3.5942E+00	-9.1375E+00	2.5415E+01	-2.8180E+01
17	9.5424E+00	8.7689E+00	-1.4122E+02	6.4554E+01
18	-1.0467E+01	6.1151E+00	-8.4300E+01	5.9934E+01
19	-4.2838E+00	-1.1816E+01	-2.3605E+01	-3.7698E+01
20	2.6873E+00	-7.6550E+00	-6.1450E+00	1.2616E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-7.4213E+02		1.8339E+01	
1/2PP	2.4607E+02		3.0678E+01	
Nth	COSINE	SINE	COSINE	SINE
01	-3.2941E+00	-1.5857E+01	-9.0495E-01	2.6803E+00
02	-2.6816E+01	-1.1237E+01	1.0119E+00	4.3430E+00
03	-1.3537E+01	5.6326E+00	8.1157E-01	-1.0596E+00
04	1.4538E+02	-5.5691E+00	-1.7760E+01	1.0779E+01
05	1.5142E+01	2.1301E+01	-1.6650E-01	-1.3168E+00
06	1.1149E+00	3.4031E+00	2.8929E-01	3.4414E-01
07	1.0908E+01	9.7433E-02	-9.7541E-02	-2.8157E-01
08	-7.1607E+00	-9.7360E+00	2.8545E+00	1.7921E+00
09	1.4721E+00	-1.2754E+00	3.9466E-01	4.4264E-01
10	-5.0826E+00	-6.1765E+00	1.6168E-01	6.5761E-01
11	-2.5489E+00	1.5439E+00	-3.9444E-02	1.3044E+00
12	-8.7487E+01	-4.4638E+01	-2.8196E+00	2.2326E+00
13	-4.8475E+00	-1.1509E+00	4.5328E-01	3.5093E-01
14	2.3736E+00	3.0074E+00	-4.5071E-01	-5.4769E-01
15	-2.2836E+00	-6.2628E-01	-9.5210E-02	-1.1448E-01
16	7.8651E+00	1.3922E+01	-2.5839E+00	-2.2699E-01
17	3.3671E+00	-2.2315E+00	-1.6380E-02	4.8234E-01
18	-5.9582E-01	1.2929E+00	4.3133E-01	-1.9687E-01
19	8.3287E-01	-7.9408E-01	1.4592E-01	-1.6408E-01
20	-2.8392E+00	1.2150E+00	-1.2934E+00	-4.3966E-02

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-8.3869E+01		-1.2809E+01	
1/2PP	4.2400E+01		9.7566E+01	
Nth	COSINE	SINE	COSINE	SINE
01	-3.3185E+00	1.4656E+00	4.5772E+01	5.2141E+01
02	3.7963E+00	-1.3226E+00	-5.2270E+00	1.0205E+01
03	9.8364E-01	6.1052E-01	1.4543E+01	1.4318E+01
04	-4.7516E+00	-1.3777E+01	1.0307E+01	-1.2401E+00
05	-9.9511E-01	1.3266E-01	1.0284E+01	-1.3017E+01
06	-8.5693E-01	-6.1394E-01	-1.2215E+01	-6.7437E+00
07	-9.1427E-01	1.3749E-01	3.5377E+00	-4.2918E+00
08	-2.8295E+00	-3.1211E+00	4.4922E+00	-2.1850E+00
09	-8.5082E-01	-2.3749E-01	9.8216E-01	1.8032E+00
10	6.0410E-01	-7.1300E-02	4.0110E+00	-8.7678E-02
11	6.4712E-01	-1.4374E+00	-6.0305E-01	4.1319E+00
12	1.3832E+01	2.4378E+00	-7.3438E+00	1.0509E+00
13	7.2766E-02	-4.5337E-01	-1.4280E+00	-4.7885E+00
14	4.1576E-01	-5.4941E-02	-4.2479E+00	3.5327E+00
15	2.9038E-01	3.4687E-01	-9.3005E-02	3.4732E-01
16	4.7875E+00	-2.5010E-01	1.1708E+00	-1.2263E+00
17	-9.0940E-02	-4.2954E-01	-1.8732E+00	8.0888E-01
18	-5.4120E-01	2.2241E-01	3.0974E+00	-1.7852E+00
19	-3.5536E-01	1.7535E-01	-3.7658E-01	-4.4716E-02
20	2.9945E+00	1.2227E+00	7.2723E-01	3.3768E-01

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.0407E+01		4.5061E+02	
1/2PP	2.7489E+00		1.2337E+03	
Nth	COSINE	SINE	COSINE	SINE
01	9.9653E-01	-2.5136E+00	-8.3877E+02	7.9428E+02
02	2.4855E-01	4.0376E-02	5.0962E+01	2.6524E+00
03	2.6893E-01	6.0964E-02	8.9008E+01	-1.1987E+02
04	3.4697E-02	2.3021E-02	-1.0042E+01	-3.7458E+01
05	1.1304E-01	-3.8213E-02	2.4569E+00	-1.4570E+01
06	-5.7402E-03	2.1048E-02	5.0552E+00	-5.0870E-01
07	-1.7188E-02	-2.4010E-02	1.3592E+01	-1.0342E+01
08	-1.7995E-02	-1.6178E-04	-6.0351E+00	7.1210E+00
09	-2.6186E-03	2.2061E-02	-5.7125E+00	-1.9102E+01
10	6.5180E-03	-3.0965E-02	-1.2954E+01	9.0210E+00
11	-3.2543E-02	6.6659E-03	1.0824E+01	3.9107E+00
12	-2.6418E-02	5.4212E-03	-1.3888E+00	1.4182E+01
13	-1.1125E-03	-1.9247E-02	9.4381E-01	-7.5798E-01
14	5.5392E-03	1.4382E-02	4.1474E+00	-3.4204E+00
15	3.8349E-04	7.2240E-03	-6.7993E-01	6.6171E+00
16	-4.1976E-03	-5.0255E-03	-5.9569E+00	-7.9333E-01
17	8.7721E-03	6.1635E-03	-1.6561E+00	-3.4745E-01
18	4.3673E-03	-1.5937E-05	-4.2683E+00	6.9863E+00
19	-1.5191E-02	-4.1869E-04	-9.2291E-01	-3.6449E+00
20	8.2852E-03	-3.9340E-03	5.3556E-01	-2.6201E+00

	MR Shaft Torque, in-lb
MEAN	1.0076E+05
1/2PP	5.9529E+03

Nth	COSINE	SINE
01	9.5337E+01	2.0810E+03
02	7.2667E+01	5.3770E+02
03	-1.1304E+02	5.3881E+02
04	-1.4017E+02	2.4649E+03
05	2.9553E+01	2.7416E+02
06	-6.6860E+02	4.1573E+02
07	-2.2245E+02	3.2864E+02
08	2.7064E+02	-4.3141E+01
09	3.9254E+01	1.4017E-01
10	-3.7961E+02	-9.6710E+01
11	7.2689E+01	9.0025E+01
12	-5.6249E+02	-5.7576E+02
13	-3.3494E+01	-3.7989E+01
14	-1.3489E+02	1.5058E+02
15	1.1643E+01	2.1337E+00
16	1.7943E+01	1.0152E+02
17	1.5161E+01	1.6646E+01
18	-1.3752E+02	-4.1492E+01
19	-1.2822E+01	3.8737E+00
20	2.5421E+00	6.4399E+01

Flight 499, Condition D

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	1.6225E+04	-7.9747E+03
1/2PP	8.9086E+03	1.7557E+04

Nth	COSINE	SINE	COSINE	SINE
01	-3.9950E+03	8.1331E+02	-1.3886E+04	9.2557E+03
02	-2.0831E+03	1.0322E+02	1.1729E+03	1.0310E+03
03	2.3543E+03	-3.9529E+03	2.3500E+03	-8.9196E+02
04	-5.7867E+01	5.1199E+02	-3.6252E+01	3.6142E+02
05	-4.9114E+02	-2.1905E+02	5.6111E+02	7.2530E+02
06	4.3148E+02	8.3106E+00	2.6831E+02	1.6950E+02
07	5.1604E+02	1.0937E+02	-3.8300E+01	-1.3502E+02
08	4.7486E+02	2.0497E+02	-7.6654E+01	4.0821E+00
09	1.5021E+02	-7.7432E+00	-1.8841E+02	2.0882E+02
10	-2.7238E+01	-6.7953E+00	4.5556E+01	-2.8712E+02
11	-4.1877E+01	-1.0727E+02	-2.2600E+02	-1.8452E+02
12	3.2882E+01	-7.8782E+01	-4.1165E+01	5.5788E+01
13	-8.9784E+01	-3.0489E+01	-5.1910E+01	-1.8860E+01
14	-3.0046E+01	-1.4852E+01	-1.7940E+00	-7.1339E+00
15	-8.2946E+00	1.5273E+01	-2.5761E+01	-9.3670E+00
16	5.0385E+00	2.9684E+01	-4.0248E+01	1.9526E+01
17	2.4051E+01	-6.3463E+01	2.2514E+01	2.0546E+01
18	3.6367E+01	1.6323E+01	6.7374E+01	-1.0210E+02
19	5.2608E+00	-6.3316E+00	9.5655E+00	1.3645E+01
20	2.3735E+00	1.0179E+01	1.6925E+01	-6.1018E+00

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.5376E+04		-1.0880E+03	
1/2PP	2.0552E+03		6.5994E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.1141E+03	6.5601E+01	-6.4222E+03	1.9829E+03
02	-8.1703E+02	4.6545E+02	4.9618E+02	5.2876E+02
03	2.8000E+02	-4.5299E+02	8.6742E+02	-2.3983E+02
04	-2.3541E+00	8.2851E+00	7.2120E+01	-8.0955E+01
05	9.1774E+01	1.4517E+02	4.5317E+01	1.1580E+02
06	-1.6159E+02	1.7855E+01	4.9382E+01	6.6477E+01
07	-2.3025E+02	-8.4683E+01	2.9524E+01	-2.1869E+01
08	-2.5986E+02	-8.9161E+01	-1.7569E+01	-1.4983E+01
09	-8.9740E+01	-4.9694E+01	-5.0563E+01	2.1208E+01
10	2.6453E+01	2.5849E+01	-4.0058E+01	-2.1451E+01
11	5.7467E+01	1.1284E+02	-3.9596E+01	-2.3637E+01
12	-3.0441E+01	6.1002E+01	-4.5726E-01	-3.6147E+00
13	7.9874E+01	1.6475E+01	-7.3258E+00	3.2887E+00
14	2.5044E+01	9.3763E+00	-7.6655E+00	6.7343E+00
15	3.5329E+00	-2.2357E+01	-2.9433E+00	4.4456E+00
16	-3.6665E+00	-1.6680E+01	-4.6936E+00	-3.3165E+00
17	-2.9866E+01	5.8967E+01	-1.5828E+01	6.5638E+00
18	-4.4847E+01	2.2690E-01	-3.1566E+00	-4.4489E+00
19	-7.5215E+00	-6.8345E+00	2.6322E+00	-4.5327E+00
20	3.4689E+00	-3.9374E+00	4.2914E+00	1.8866E+00

	Flat.Bending @19.54%R, in-lb		Edg.Bending @19.54%R, in-lb	
MEAN	1.4926E+04		-1.4238E+03	
1/2PP	2.0800E+03		6.2242E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.1108E+03	-1.5685E+02	-5.1399E+03	2.7546E+03
02	-5.5307E+02	3.2201E+02	6.8376E+02	2.5374E+02
03	-2.4040E+02	4.4751E+02	-7.0457E+00	-4.9876E+02
04	-8.0083E+00	-1.7621E+02	-4.1958E+01	-5.2666E+02
05	2.3440E+02	2.0348E+02	-6.7304E+01	-7.8189E+01
06	-3.2014E+02	7.1181E+00	-5.6443E+00	-1.9249E+00
07	-3.4687E+02	-1.1595E+02	2.1821E+01	6.1302E+01
08	-3.5398E+02	-1.3802E+02	-3.8597E+00	-2.9102E+01
09	-9.6187E+01	-3.4293E+01	8.3217E+01	-8.5793E+01
10	1.4481E+01	3.3548E+01	1.4044E+01	8.7868E+01
11	5.9256E+01	9.0741E+01	8.0453E+01	6.2878E+01
12	-1.0274E+01	6.1950E+01	-4.7733E+00	-9.7566E+00
13	5.7504E+01	8.2033E+00	1.9042E+01	6.4192E+00
14	9.2237E+00	-3.6680E+00	-1.4624E-01	-1.3412E+00
15	3.3683E+00	-6.3647E+00	4.3284E+00	8.1978E+00
16	-3.9985E+00	-9.1396E+00	5.8758E+00	-5.2742E+00
17	-3.0086E+00	1.4707E+01	-3.8565E+00	-6.3766E+00
18	-1.1358E+01	4.6846E+00	-2.9916E+01	4.7046E+01
19	3.4329E+00	5.1824E+00	-6.6161E+00	-4.9734E-01
20	-1.2585E-01	-5.6712E-02	-7.2936E+00	-5.0799E-01

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.0812E+04		-6.1364E+03	
1/2PP	2.5430E+03		7.8104E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-7.8598E+01	-1.0719E+03	-5.5476E+03	4.2020E+03
02	-7.1268E+02	2.4218E+02	9.3769E+02	1.6491E+02
03	-5.7520E+02	7.5252E+02	-9.4878E+02	-9.1091E+02
04	-8.0428E+01	-3.1730E+02	-1.2796E+02	-9.5144E+02
05	2.7628E+02	4.3649E+01	-2.0699E+02	-3.3146E+02
06	-2.4709E+02	2.4882E+01	-1.1192E+02	-9.4736E+01
07	-1.6151E+02	-2.3197E+01	-5.0570E+01	9.2422E+01
08	-1.1328E+02	-9.0789E+00	-1.6199E+01	-2.3851E+01
09	8.9564E+00	1.7432E+01	1.4320E+02	-1.1291E+02
10	-7.6486E+00	6.6289E+00	4.9142E+01	1.0663E+02
11	-6.3888E-01	-4.1265E+01	1.4084E+02	1.1274E+02
12	2.2490E+01	-2.0562E+01	-4.3934E+00	1.0482E+00
13	-4.1866E+01	-1.5685E+01	4.8244E+01	3.0204E+00
14	-2.5227E+01	-1.6100E+01	1.8690E+01	-3.8834E+00
15	4.4911E-01	1.1443E+01	1.1695E+01	-1.4027E+01
16	4.9860E+00	1.0783E+01	1.2859E+01	-4.3271E+00
17	3.4593E+01	-4.6189E+01	1.9607E+01	1.3855E+01
18	3.8069E+01	-7.0845E-01	7.3108E+00	-2.7681E+01
19	5.6627E+00	6.5612E+00	-1.0293E+00	1.0806E+01
20	-4.8511E+00	2.1334E+00	-3.9412E+00	-6.8443E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	4.4056E+03		-3.6368E+03	
1/2PP	3.6531E+03		6.5018E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.0670E+03	-2.2338E+03	-3.8646E+03	2.4771E+03
02	-1.2751E+03	1.5333E+02	8.4410E+02	1.5073E+02
03	-6.3827E+02	8.4792E+02	-1.5457E+03	-7.3010E+02
04	-5.6572E+01	-1.2746E+02	-1.6573E+02	-9.3935E+02
05	-7.0002E+00	-6.0495E+01	-4.8580E+02	-6.3716E+02
06	1.0798E+02	-2.6494E+01	-1.3835E+02	-1.5859E+02
07	2.4395E+02	9.4928E+01	-5.2078E+01	-1.6142E+00
08	2.4017E+02	9.1666E+01	8.2913E+01	5.3625E+01
09	8.1319E+01	9.0129E+00	2.3205E+00	2.4868E+01
10	8.3761E+00	-3.4772E+01	7.7299E+00	-4.9273E+01
11	-3.2710E+01	-4.9440E+01	5.7583E-01	-1.4418E+01
12	1.1102E+01	-3.6865E+01	6.9914E+00	3.6121E+00
13	4.6229E+00	1.0921E+01	2.0478E+01	-7.8439E+00
14	1.4812E+01	1.0664E+01	1.2530E+01	-2.5525E+00
15	7.2296E+00	-3.7629E+00	1.0493E+01	-2.8756E+01
16	2.3727E+00	-2.2785E+00	4.1279E+00	-5.2500E+00
17	-2.5433E+01	3.3438E+01	8.6198E-01	4.4802E+01
18	-2.3662E+01	-1.5608E+00	8.5611E+01	-1.2162E+02
19	-6.3452E-01	-6.7073E-01	8.7911E+00	1.0043E+01
20	4.0373E+00	1.6307E+00	1.2969E+01	-2.7621E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.9773E+02	-6.6273E+03
1/2PP	3.6262E+03	4.8885E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.3406E+03	-1.8720E+03	-2.4628E+03	8.7404E+02
02	-1.8662E+03	-1.1882E+02	5.4693E+02	1.7652E+02
03	-7.3937E+02	9.3679E+02	-1.3397E+03	-4.6537E+02
04	-5.5007E+01	1.4527E+02	-2.6465E+02	-6.6882E+02
05	-1.4843E+02	-2.5865E+01	-5.4147E+02	-5.0582E+02
06	8.1011E+01	6.2813E+01	-3.9007E+01	-1.0543E+02
07	7.9871E+01	1.9150E+01	-6.8520E+01	-1.0140E+02
08	3.8218E+01	-1.3963E+01	2.5941E+01	2.0794E+01
09	-6.9158E+01	-1.3471E+01	-1.4981E+02	1.3207E+02
10	-5.6222E+00	2.6679E+01	-2.6479E+01	-1.4404E+02
11	1.8871E+01	7.8965E+01	-1.1500E+02	-7.4853E+01
12	-3.6540E+01	5.1391E+01	1.1792E+01	1.9642E+01
13	1.9479E+01	1.3145E+01	-1.6939E+01	-3.0208E+00
14	-4.6398E+00	-1.1977E+01	-8.2956E+00	-8.6726E+00
15	-4.5828E+00	-9.0700E+00	-1.0907E+01	7.2503E+00
16	-7.1917E+00	-2.0494E+00	-5.4868E+00	2.2552E+00
17	1.1029E+01	-1.3859E+01	-9.3305E+00	-1.1024E+01
18	1.5346E+01	1.7034E+00	-1.1380E+01	3.4782E+01
19	1.7890E+00	3.7645E+00	-1.0584E+00	-5.2542E+00
20	-6.0235E+00	-2.5270E+00	-1.5828E-01	2.0351E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-3.7300E+03	-6.3244E+03
1/2PP	3.4138E+03	2.4640E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.7748E+02	-4.4880E+02	-8.9220E+02	-2.8901E+02
02	-1.6741E+03	6.4800E+01	1.6357E+00	3.7602E+01
03	-9.3285E+02	5.7163E+02	-7.0943E+02	-1.2132E+02
04	-1.0055E+02	4.5443E+02	-9.3077E+01	-3.1833E+02
05	-4.1719E+01	1.9861E+02	-3.1599E+02	-2.8289E+02
06	2.9871E+01	-4.7301E+01	-1.6724E+01	-2.2216E+01
07	-2.5453E+02	-1.2006E+02	-7.6328E+01	-1.1432E+02
08	-2.3105E+02	-5.5026E+01	-6.8726E+01	-5.8535E+01
09	4.1861E+00	-1.5150E+00	-1.7441E+02	1.0014E+02
10	2.6130E+01	-3.0011E+00	-2.0196E+01	-8.2011E+01
11	-1.0742E+01	-3.7995E+01	-8.2163E+01	-8.3063E+01
12	1.4592E+01	-2.7636E+01	2.0425E+01	-1.2277E+01
13	-1.2771E+01	-1.5183E+01	-4.8378E+01	-1.1094E+01
14	8.3853E+00	3.4840E-01	-1.6616E+01	3.8245E+00
15	-1.2428E+00	1.1415E+01	-1.4757E+01	4.1311E+01
16	3.2516E+00	7.7349E+00	-5.0355E+00	6.1336E+00
17	-2.4345E-01	3.9893E+00	-1.3809E+01	-4.7694E+01
18	-4.2192E+00	-5.5665E+00	-9.1718E+01	1.3254E+02
19	-3.0775E+00	-1.5820E-02	-1.4109E+01	-1.0505E+01
20	1.8306E+00	5.2921E+00	-7.7627E+00	7.8695E-01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-9.8281E+02		1.8010E+00	
1/2PP	2.0825E+02		1.6574E+01	
Nth	COSINE	SINE	COSINE	SINE
01	-1.3857E+00	-1.3955E+01	-1.8238E+00	2.3553E+00
02	-2.6171E+01	-6.1085E+00	4.1225E+00	8.1225E+00
03	-3.0890E+01	2.1384E+01	-5.2539E-02	-1.6872E+00
04	7.8927E+01	6.4988E+01	-2.0773E+00	2.0961E+00
05	-7.5405E+00	-2.8305E+00	-5.7575E-03	-3.3089E-01
06	-9.2539E+00	9.2133E-01	1.8026E+00	-1.2715E+00
07	1.2302E+01	-1.7437E+00	-1.1265E+00	-9.0602E-01
08	3.8396E+01	-2.0292E+01	-9.5488E-01	9.4108E-01
09	-2.2751E+00	-3.7104E+00	1.9946E-01	5.9258E-01
10	-1.3573E+00	-2.6811E+00	3.5870E-01	3.0715E-01
11	-3.3734E+00	-1.3175E+00	-8.8496E-02	6.4164E-01
12	-1.6095E+01	-2.5392E+01	-1.2249E+00	2.5149E+00
13	2.1251E-01	1.8323E+00	-3.0306E-02	-2.6104E-01
14	-3.1339E-01	5.2767E-01	-6.8111E-02	-8.6295E-02
15	-2.3809E-01	1.5533E+00	1.4672E-01	-1.3299E-01
16	-1.1117E+00	1.0523E+00	-8.5989E-02	-5.4708E-01
17	-3.8366E-01	1.2973E+00	3.1097E-02	2.5568E-02
18	-1.8328E+00	-5.0044E-01	-7.0141E-02	8.4351E-02
19	-4.2078E-01	-5.5556E-01	1.2686E-01	-1.1189E-01
20	3.1104E+00	-1.7496E+00	-1.1592E-01	1.0630E-02

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-1.3255E+02		-3.5609E+01	
1/2PP	3.2803E+01		1.3482E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-2.9083E+00	2.2952E-01	9.3373E+01	4.8711E+01
02	3.5015E+00	-3.7057E+00	-1.5591E+01	2.7118E+01
03	3.5189E+00	-2.0876E+00	-2.0084E+00	1.2234E+01
04	-1.4917E+01	-1.1770E+01	4.5550E+00	3.0655E+00
05	1.4459E+00	1.4871E+00	3.2245E+00	5.3836E-01
06	-1.4498E-01	2.5628E+00	7.1497E+00	-3.0348E+00
07	1.7013E-01	5.7108E-01	4.5645E+00	-1.0667E+00
08	-3.3412E+00	1.1281E+00	6.0668E+00	-3.6846E+00
09	-1.8105E-02	-4.8697E-01	1.6655E+00	-7.5919E-01
10	-2.8974E-01	-3.0854E-01	3.6404E-03	1.9142E+00
11	4.9299E-01	-7.6511E-01	-3.1806E+00	2.5494E+00
12	6.6331E+00	-1.4627E+00	-2.1099E+00	-9.1688E-01
13	-3.0111E-01	-1.8220E-01	-2.4167E+00	1.6471E+00
14	2.2137E-01	-8.3291E-02	2.8163E+00	3.5880E+00
15	-3.8086E-01	6.1019E-02	2.8676E-02	-5.0274E-01
16	3.7276E-01	9.8822E-01	4.3869E-02	1.7865E-01
17	-8.5449E-02	-2.8782E-01	-1.6807E-01	-4.8416E-01
18	2.7666E-01	-1.0543E-01	9.4784E-01	-2.7674E-01
19	-2.6100E-01	1.6613E-01	-2.3298E-01	-6.4756E-02
20	-1.7603E-02	6.7472E-02	1.6358E-02	-1.9175E-01

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.2765E+01		4.8362E+02	
1/2PP	3.9291E+00		1.2506E+03	
Nth	COSINE	SINE	COSINE	SINE
01	5.5977E-01	-4.0501E+00	-5.5201E+02	1.0567E+03
02	2.4072E-01	2.9685E-01	7.0205E+01	-8.1706E+00
03	2.7197E-01	-2.5767E-01	-3.5628E+01	-1.4209E+02
04	-2.3357E-02	7.9158E-02	-3.0206E+01	-4.7151E+01
05	1.2085E-01	1.2078E-01	5.7544E+01	3.9833E+01
06	-1.8088E-02	3.0925E-02	-2.0896E-01	-4.0381E+00
07	-2.8737E-02	-3.0265E-02	-2.5030E+01	2.4313E+00
08	-3.7016E-02	-3.3304E-02	-2.9639E+01	-7.9432E+00
09	2.9281E-03	-4.4921E-03	8.3132E+00	-4.4726E+00
10	1.0188E-02	-2.0365E-02	2.0998E+01	-2.1366E+00
11	-1.6919E-02	3.4128E-03	4.5114E+00	8.8904E+00
12	-4.8591E-03	5.1420E-03	-6.5351E+00	1.1546E+01
13	-6.9294E-03	1.0147E-02	4.1464E+00	5.8641E-01
14	1.2204E-02	7.7503E-03	2.4996E+00	-2.9542E+00
15	-8.7541E-03	7.3927E-03	-3.7993E+00	1.1942E+00
16	-1.2478E-02	1.7901E-04	-5.2505E+00	2.6765E+00
17	-1.5361E-02	-1.7576E-03	2.9641E+00	-6.1430E-01
18	5.4357E-03	-7.3338E-03	-6.4140E+00	6.9126E+00
19	-5.2571E-03	-6.3027E-03	-1.4413E+00	1.4151E+00
20	1.0470E-02	2.6144E-03	2.7272E-01	-2.0956E+00

	MR Shaft Torque, in-lb	
MEAN	1.3238E+05	
1/2PP	9.7131E+03	
Nth	COSINE	SINE
01	3.1401E+02	1.8936E+03
02	1.0576E+03	4.1653E+03
03	3.1004E+02	6.0218E+02
04	2.4400E+02	4.4340E+03
05	1.5409E+02	-1.5346E+02
06	-5.2074E+02	1.1154E+03
07	4.4555E+02	-1.0200E+02
08	4.0438E+02	2.7242E+02
09	8.5847E+00	-6.9127E+01
10	2.0387E+02	3.2712E+02
11	-1.8892E+01	-9.9936E+01
12	-2.3818E+02	-5.3563E+01
13	2.8841E+01	-6.2175E+01
14	1.6144E+02	7.7724E+01
15	3.9666E+01	-5.6824E+01
16	6.3472E+01	6.3459E+01
17	2.1595E+01	-3.0129E+01
18	-3.8570E+00	2.7313E+01
19	1.0761E+01	-3.8855E+01
20	7.0513E+01	5.8298E+01

Flight 499, Condition F

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	1.6906E+04		9.7669E+02	
1/2PP	1.9006E+04		2.1795E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-5.7573E+03	3.2919E+03	-1.4666E+04	1.3238E+04
02	-6.9644E+03	-2.5785E+03	1.6038E+03	1.0321E+03
03	3.2173E+03	-9.0133E+03	3.1286E+03	-2.2230E+03
04	-1.2000E+03	1.3255E+03	3.5896E+02	5.7398E+02
05	7.6818E+01	-2.0493E+02	7.6274E+02	-1.7265E+02
06	-5.0621E+01	1.3257E+02	-8.3218E+01	5.5294E+01
07	-6.7695E+01	-1.7821E+01	8.8588E+01	2.9183E+01
08	-1.3445E+02	1.3264E+02	9.5289E+00	2.9260E+01
09	-1.0013E+02	2.3976E+01	1.0961E+02	-1.6969E+02
10	-2.6913E+01	5.7925E+01	2.5058E+02	2.7060E+02
11	-5.2589E+01	2.3515E+01	2.6745E+02	1.6826E+02
12	-7.2047E+01	1.5315E+02	-3.6003E+01	-7.3591E+01
13	6.1154E+01	4.8491E+01	1.1219E+02	1.8965E+01
14	5.0945E+00	1.3577E-01	2.2754E+01	2.8724E+00
15	-4.3203E+00	-4.1685E+01	3.4163E+01	-8.3454E+00
16	1.4380E+01	-1.6411E+01	-3.3514E+01	2.0813E+01
17	6.3652E+00	-4.3980E+01	-4.0684E+01	3.4718E+01
18	8.3932E-01	-8.1741E-01	-1.8643E+01	2.9040E+01
19	-2.7118E+00	-1.2968E+01	-4.7313E+00	-3.1088E+01
20	-2.3507E+00	1.0841E+00	5.5560E+00	3.3206E+01

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.5326E+04		3.7392E+03	
1/2PP	4.2512E+03		8.8991E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.6335E+03	8.0755E+02	-8.0068E+03	4.0829E+03
02	-2.1150E+03	7.2624E+01	4.9723E+02	5.0730E+02
03	4.5925E+02	-1.0846E+03	1.2520E+03	-1.0784E+03
04	3.2913E+01	4.4789E+01	4.9944E+01	-2.0004E+02
05	-8.4904E+01	2.5000E+02	1.0008E+02	1.5527E+02
06	-7.1848E+00	-9.9718E+01	-3.0085E+01	9.6931E+01
07	9.1003E+01	-3.7579E+01	-8.9980E+00	-2.2675E+01
08	5.8269E+01	-6.4470E+01	6.9421E+00	-2.0019E+01
09	5.5606E+01	-4.1100E+01	1.4185E+01	-2.9620E+01
10	2.0124E+01	-2.2634E+01	8.3579E+01	1.0658E+01
11	3.9740E+01	-1.1805E+02	7.6613E+01	1.5524E+01
12	4.8173E+01	-8.5574E+01	1.0768E+01	4.1669E+00
13	-2.8718E+01	1.7326E+00	3.0404E+01	5.9965E+00
14	-1.2918E+00	8.6330E+00	-1.0758E+01	-4.1630E+00
15	-1.2722E+01	1.5642E+01	-7.3053E+00	-3.3718E+00
16	1.1396E+00	2.2071E+01	-2.6036E+00	2.5094E+00
17	1.6034E+01	2.4601E+01	1.0788E+01	-7.0900E+00
18	6.9524E+00	1.9563E+01	-1.5653E+00	1.0085E+01
19	3.1798E+00	1.6405E+01	-1.4763E+00	3.4070E+00
20	-5.4990E+00	7.0231E+00	-3.3181E+00	6.3639E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.5506E+04	1.7219E+03
1/2PP	2.9583E+03	7.8523E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.3386E+03	4.6852E+02	-5.8793E+03	4.2956E+03
02	-1.0583E+03	3.4473E+02	9.6691E+02	2.6323E+02
03	-2.8849E+02	9.7593E+02	-2.0007E+02	-1.1119E+03
04	2.7011E+02	-3.1388E+02	-7.7686E+02	-7.0437E+02
05	-1.4048E+02	3.2893E+02	5.0951E+01	2.1857E+01
06	-1.6080E+01	-1.5137E+02	-2.1454E+01	9.2642E+00
07	1.0070E+02	-3.4637E+01	-2.1818E+00	6.4238E+01
08	9.5535E+01	-1.0567E+02	2.2811E+01	1.5868E+01
09	8.3041E+01	-3.7868E+01	-5.8930E+01	7.3377E+01
10	1.0400E+01	-4.3400E+01	-1.1443E+02	-6.8538E+01
11	1.9889E+01	-4.4033E+01	-1.0066E+02	-5.9686E+01
12	3.7688E+01	-7.9294E+01	8.7528E+00	2.5982E-01
13	-5.1775E+01	-2.5194E+01	-2.6505E+01	4.0895E+00
14	-9.3564E-01	2.6143E+00	4.5924E+00	-3.5866E+00
15	4.6406E+00	1.4689E+01	-4.6218E+00	3.0676E+00
16	2.8207E+00	1.0911E+00	2.3714E+00	-2.9691E+00
17	2.1629E+00	9.3904E+00	1.0221E+01	-1.7960E+01
18	4.0588E+00	-6.9232E-01	2.3089E+00	-1.9963E+01
19	7.3299E+00	8.2576E+00	6.1466E+00	1.3335E+01
20	-5.6916E+00	1.3334E+00	2.3898E-01	-1.0773E+01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.1488E+04	-3.6773E+03
1/2PP	3.1979E+03	9.6727E+03

Nth	COSINE	SINE	COSINE	SINE
01	4.4911E+02	-8.2277E+02	-5.9007E+03	5.8667E+03
02	-7.0235E+02	7.2058E+02	1.3005E+03	1.8951E+02
03	-7.5854E+02	1.8548E+03	-1.7464E+03	-1.4860E+03
04	2.6262E+02	-4.6996E+02	-1.5365E+03	-1.2388E+03
05	-4.9867E+01	1.6899E+02	-1.6971E+02	-1.0603E+02
06	-3.7498E+01	-1.0694E+02	9.9079E+00	-1.5953E+02
07	5.2171E+01	-2.2363E+01	7.0461E+00	4.7995E+01
08	1.9102E+01	-5.2441E+01	2.1208E+01	3.4786E+01
09	3.3255E+01	-6.2469E+00	-6.1032E+01	1.1645E+02
10	-1.7910E+01	-7.7668E+00	-2.1479E+02	-9.8143E+01
11	-3.0689E+01	7.8277E+01	-2.0344E+02	-1.0559E+02
12	-3.2909E+01	3.6940E+01	-6.2855E+00	-1.7424E+01
13	-9.4048E+00	4.6136E+00	-8.1570E+01	3.4258E+00
14	-3.8260E+00	-8.4276E+00	9.5872E+00	1.5767E+00
15	8.1885E+00	-5.2563E+00	-6.8782E+00	1.9022E+01
16	-5.7281E+00	-2.3243E+01	9.3424E+00	-4.4957E+00
17	-1.6930E+01	-1.5082E+01	-1.6596E+01	3.7694E+01
18	-9.8989E+00	-1.9319E+01	1.6845E+00	1.0195E+00
19	-5.3311E+00	-9.8994E+00	-3.3079E+00	2.6764E+00
20	9.6190E-01	-1.0170E+01	2.8105E-01	-1.2141E+01

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.8877E+03	-2.2576E+03
1/2PP	4.8692E+03	8.0820E+03

Nth	Flat.Bending @48%R, in-lb COSINE	Flat.Bending @48%R, in-lb SINE	Edg.Bending @48%R, in-lb COSINE	Edg.Bending @48%R, in-lb SINE
01	2.0754E+03	-2.2885E+03	-4.5705E+03	3.5539E+03
02	-1.3413E+03	4.9985E+02	1.1290E+03	3.3929E+02
03	-6.7975E+02	1.7980E+03	-2.6184E+03	-9.3735E+02
04	7.4838E+01	-2.8418E+02	-1.5650E+03	-1.2645E+03
05	9.4291E+01	-5.0337E+01	-6.1820E+02	-1.2955E+02
06	-4.5324E+01	-1.6578E+01	7.0853E+01	-1.6997E+02
07	-3.6352E+01	1.0873E+01	-5.7594E+01	-1.3352E+02
08	-5.8583E+01	6.1884E+01	-4.8188E+01	2.4923E-01
09	-6.1953E+01	5.0777E+01	5.0722E+01	-2.6891E-01
10	-5.6033E+00	1.2973E+01	2.7386E+01	2.9501E+01
11	1.3849E+00	2.0971E+01	-9.0726E+00	2.9114E-01
12	-1.1300E+01	2.2045E+01	-1.7056E+01	1.5570E+00
13	2.9559E+01	1.7365E+01	-2.7211E+01	7.9783E+00
14	-2.4209E+00	-8.1287E-01	-1.9438E+00	3.2193E+00
15	-8.8941E+00	7.9978E+00	-1.1869E+01	2.0216E+01
16	-1.0531E+00	1.1870E+01	1.4602E+01	4.9737E+00
17	1.2426E+01	1.3865E+01	-3.1735E+01	8.2581E+01
18	3.9359E+00	7.5832E+00	-1.3055E+01	6.1609E+01
19	3.6330E+00	9.9745E+00	-1.1563E+01	-1.4513E+01
20	-3.4296E+00	2.2538E+00	-5.4353E+00	1.0978E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-7.5270E+00	-5.8620E+03
1/2PP	5.0112E+03	5.9664E+03

Nth	Flat.Bending @64%R, in-lb COSINE	Flat.Bending @64%R, in-lb SINE	Edg.Bending @64%R, in-lb COSINE	Edg.Bending @64%R, in-lb SINE
01	2.1157E+03	-2.2203E+03	-2.9390E+03	1.5306E+03
02	-2.2374E+03	2.0694E+02	6.3377E+02	2.2061E+02
03	-6.0619E+02	1.1068E+03	-2.2299E+03	-2.6024E+02
04	-2.1001E+02	3.1219E+02	-1.2076E+03	-8.4556E+02
05	-1.1905E+01	-1.2520E+02	-6.4480E+02	-6.3748E+01
06	6.4394E+01	1.0245E+02	7.1827E+01	-1.6517E+02
07	-1.0113E+02	2.4005E+01	-7.9230E+01	-1.3695E+02
08	1.6041E+00	-6.3805E+00	-5.5775E+01	-5.8030E+01
09	-8.1060E+00	1.5043E+01	1.2345E+02	-1.0139E+02
10	8.4833E+00	-1.1081E+01	2.2010E+02	8.9172E+01
11	2.9474E+01	-7.2000E+01	1.6965E+02	7.6923E+01
12	4.3261E+01	-5.9938E+01	7.5367E+00	-1.7589E+01
13	-3.1187E+01	-2.4754E+01	3.5967E+01	-3.2323E+00
14	2.9041E+00	6.3425E+00	-6.7228E+00	-2.2566E+00
15	4.9919E+00	6.6548E-01	6.9720E+00	-4.2394E+00
16	4.7146E+00	-2.5203E+00	-7.8223E+00	3.2965E-01
17	-6.0081E+00	-4.9462E+00	8.4968E+00	-2.8500E+01
18	-1.7747E+00	-5.1823E+00	-1.8788E-01	-1.4176E+01
19	-2.6768E+00	-5.2176E+00	3.1978E+00	2.0389E+00
20	5.5282E-01	8.6731E-01	-1.2203E+00	-1.6509E-01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-3.7372E+03	-5.8694E+03
1/2PP	3.3582E+03	2.6665E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.8793E+02	-7.0630E+02	-1.0437E+03	-1.7669E+02
02	-2.2892E+03	8.8855E+01	-4.7788E+01	1.4434E+01
03	-6.7349E+02	4.5616E+02	-1.0891E+03	-1.8395E+01
04	-2.4598E+02	4.6924E+02	-5.1829E+02	-3.2714E+02
05	-1.8447E+02	1.3491E+02	-3.5463E+02	-6.1050E+01
06	3.7670E+01	-1.2165E+01	3.4176E+01	-1.1363E+02
07	7.7992E+01	-1.1536E+01	-1.4913E+01	-1.0231E+02
08	6.4480E+01	-5.0691E+01	5.1791E+00	-6.2821E+01
09	2.5874E+01	-3.9405E+01	1.2074E+02	-1.0530E+02
10	-5.5386E+00	-1.4040E+01	1.8313E+02	6.8065E+01
11	-1.2422E+01	6.1499E+01	1.3961E+02	1.0840E+02
12	-3.3563E+01	5.2026E+01	-6.0695E+00	1.1448E+01
13	1.6913E+01	8.7513E+00	6.7923E+01	9.8302E+00
14	7.7079E-01	-5.0186E+00	3.5626E+00	-7.8143E+00
15	-2.4910E+00	4.4188E-02	1.7341E+01	-2.2974E+01
16	-3.7195E+00	1.1956E+00	-2.1597E+01	-3.9195E+00
17	1.6443E+00	1.1225E+00	3.6356E+01	-8.4698E+01
18	1.0397E+00	3.5350E+00	1.2456E+01	-6.2671E+01
19	1.2015E+00	2.7710E+00	1.3265E+01	2.0836E+01
20	-1.9930E-01	-1.7572E-01	4.9261E+00	-1.3125E+01

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.3038E+03	-2.0561E+01
1/2PP	2.9201E+02	4.5327E+01

Nth	COSINE	SINE	COSINE	SINE
01	-9.9148E-01	-6.5011E+00	-5.3300E+00	5.7254E+00
02	-4.6411E+01	7.5780E+00	5.3044E+00	9.7671E+00
03	-2.5987E+01	3.8004E+01	-6.9275E-01	-2.3133E+00
04	1.5768E+02	-1.3426E+02	-2.3273E+01	1.1501E+01
05	-7.3383E+00	-9.6158E+00	-7.1184E-02	-9.0826E-03
06	-4.6095E+00	-1.4480E+01	1.1430E+00	-3.2819E-01
07	-8.4818E-01	3.3191E+00	-9.9561E-01	-1.7924E-01
08	-1.2823E+01	3.5073E+01	-4.9180E+00	-9.0938E-01
09	3.0666E+00	-1.8866E+00	-2.2169E-01	6.1716E-02
10	1.9703E+00	1.0644E+00	2.6894E-01	-8.8311E-03
11	4.3796E+00	-1.1006E+00	5.7564E-02	5.3132E-01
12	2.4995E+01	1.7931E+01	-2.8191E+00	-1.4498E+00
13	-1.7176E+00	1.2550E+00	6.6434E-02	4.7316E-01
14	3.8509E+00	-1.8825E+00	-3.3573E-01	2.2693E-02
15	-7.8574E-01	-6.0839E-01	1.3170E-01	-1.0531E-01
16	4.1167E+00	-6.5297E+00	-1.3500E-01	4.1466E-01
17	1.1755E+00	2.5798E+00	4.4628E-02	1.2900E-01
18	5.4248E-01	7.5659E-01	-3.0335E-01	-5.3696E-02
19	9.0847E-01	1.9794E+00	1.1665E-01	4.1150E-01
20	-6.2469E+00	-2.2084E+00	1.0905E+00	3.0923E+00

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	-2.1115E+02	-5.9562E+01
1/2PP	4.5799E+01	2.1659E+02

Nth	COSINE	SINE	COSINE	SINE
01	-3.9485E+00	7.9972E-02	1.5659E+02	4.8837E+01
02	3.8253E+00	-9.9416E+00	-9.4083E+00	4.9001E+01
03	5.1860E+00	-1.8696E+00	-2.1985E+01	4.3653E+01
04	1.7860E+01	-1.6206E+01	9.1736E+00	-2.1640E+01
05	4.1031E-01	1.7800E+00	-1.0393E+01	2.0286E+00
06	-9.1243E-01	3.2833E+00	9.7335E+00	2.8439E+01
07	1.7999E+00	-6.2873E-02	-6.3032E-01	7.3680E+00
08	1.0604E+01	-5.0311E+00	2.9600E+00	3.9585E+00
09	-3.5176E-01	6.7111E-02	1.7384E-01	-5.0523E-01
10	-9.3253E-01	-1.1132E-01	2.9988E+00	-2.7762E-01
11	-9.3572E-03	-5.6502E-01	2.3722E+00	-3.6335E-01
12	5.0026E-01	-3.7602E-02	2.2314E+00	3.7988E-01
13	-1.7200E-01	-7.8528E-01	2.2186E+00	-9.9507E-01
14	-3.0247E-02	-6.7979E-02	-3.4609E+00	5.5559E-01
15	5.4049E-02	1.9444E-01	2.5206E-01	-9.9190E-01
16	-3.3561E-01	2.6455E-02	-9.6342E-01	3.5291E-01
17	-2.8730E-01	-5.0327E-01	5.4138E-01	4.7155E-02
18	3.1394E-01	7.8167E-03	2.3871E-01	-7.6875E-01
19	-3.3786E-01	-1.0773E+00	-6.3417E-02	-4.9526E-01
20	-5.3087E-01	-5.6051E+00	3.3774E-01	1.1443E+00

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.5830E+01	5.4172E+02
1/2PP	5.8855E+00	1.3426E+03

Nth	COSINE	SINE	COSINE	SINE
01	8.6164E-01	-5.9348E+00	-2.4036E+02	1.2014E+03
02	3.7364E-01	5.4006E-01	1.2564E+02	-1.7019E+01
03	1.5079E-01	-2.9501E-01	-1.1139E+02	-1.2859E+02
04	-8.3355E-02	-3.3698E-02	-1.0499E+02	-1.3977E+01
05	2.7695E-02	-1.4470E-02	7.3841E+01	-6.0644E+01
06	4.1651E-02	4.0225E-02	-1.0064E+01	-3.1855E+01
07	-2.3917E-02	-1.0547E-02	2.1882E+01	2.8196E+01
08	2.0752E-02	6.0155E-02	1.3066E+01	9.8129E+00
09	3.5598E-02	-2.6503E-02	-6.1632E+00	3.6829E+00
10	3.3995E-02	4.3602E-02	-2.7163E+01	5.6797E+00
11	2.7015E-02	1.4332E-02	-9.3409E+00	-5.9359E+00
12	1.5400E-02	2.9796E-03	-4.6078E-01	-1.8989E+01
13	4.8965E-04	-1.4142E-02	-3.5125E-01	-3.1882E+00
14	8.9134E-03	1.1906E-02	7.8061E+00	2.2116E+00
15	6.9792E-04	-2.2983E-02	8.1580E+00	-9.6835E-02
16	-2.3167E-03	4.6632E-03	-5.0168E+00	2.4553E+00
17	-1.9811E-03	-2.8705E-03	-2.9835E+00	-2.1677E+00
18	1.2528E-02	9.8055E-03	4.9753E-01	-7.3619E+00
19	-7.6557E-03	-1.0064E-02	1.2299E+00	-1.1535E+00
20	-2.3991E-03	1.4535E-02	1.7671E+00	2.6968E+00

	MR Shaft Torque, in-lb
MEAN	1.8802E+05
1/2PP	1.8268E+04

Nth	COSINE	SINE
01	9.8949E+02	1.8074E+03
02	7.0720E+03	6.7924E+03
03	3.7032E+02	5.1730E+02
04	6.0793E+03	6.8004E+03
05	-5.5295E+01	-2.5484E+02
06	8.2092E+02	1.1009E+03
07	-9.8218E+01	-1.4577E+02
08	-2.4984E+02	1.0900E+02
09	-5.1135E+01	-7.5131E+01
10	3.1821E+02	4.2510E+02
11	-6.5650E+01	-7.9535E+01
12	-1.6539E+01	1.9380E+02
13	-6.7106E+01	-5.0838E+01
14	-1.8778E+02	-1.3503E+02
15	-8.9577E+01	2.0071E+01
16	6.7796E+00	-5.8371E+00
17	-1.2722E+01	-1.0114E+01
18	-5.7243E+01	9.5898E+01
19	-1.8732E+01	-3.1367E+01
20	8.6338E+00	4.9016E+01

Flight 499, Condition G

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	1.6881E+04		5.6131E+03	
1/2PP	2.4678E+04		2.3425E+04	

Nth	COSINE	SINE	COSINE	SINE
01	-4.3195E+03	4.7689E+03	-1.5021E+04	1.4625E+04
02	-9.8389E+03	-3.7425E+03	1.8760E+03	9.7707E+02
03	4.5775E+03	-1.2271E+04	3.7655E+03	-2.9809E+03
04	-7.2788E+02	2.0780E+03	6.9544E+02	6.7423E+02
05	1.3627E+03	5.3165E+01	1.9056E+03	-1.0290E+02
06	-1.8389E+02	2.6099E+02	-7.6958E+01	-2.7313E+02
07	-2.6284E+02	-4.5813E+02	1.3386E+01	4.2852E+01
08	1.2875E+02	2.6238E+02	4.3068E+01	-5.8791E+00
09	-1.6087E+02	-2.0981E+01	1.8536E+02	-4.3159E+02
10	4.6317E+01	1.9106E+01	1.3774E+02	3.5034E+01
11	-2.5354E+01	4.3307E+01	3.1362E+02	1.3717E+02
12	-8.6135E+01	1.8809E+02	-7.9799E+01	-6.4408E+01
13	1.2296E+02	9.0437E+01	1.4812E+02	2.7743E+01
14	-9.0196E+00	9.4835E+00	3.7048E+01	-1.1988E+01
15	-2.0133E+01	5.5503E+00	9.8637E+00	-2.5346E+01
16	2.0292E+00	-2.4952E+01	-1.1561E+00	5.9655E+01
17	9.4544E+00	-8.1467E+00	-3.3729E+01	7.4790E+01
18	-1.7484E+01	2.3198E+00	-2.6634E+01	2.7641E+01
19	-1.3498E+01	2.8305E+00	-3.3287E+01	-1.6927E+01
20	-2.0593E+01	-8.5741E-01	2.0625E+01	1.2015E+01

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	1.5205E+04		6.3149E+03	
1/2PP	5.1850E+03		9.9153E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.0229E+03	1.1576E+03	-8.6284E+03	4.9808E+03
02	-2.8374E+03	-9.7245E+01	5.1420E+02	5.6618E+02
03	5.8122E+02	-1.5100E+03	1.4102E+03	-1.5583E+03
04	5.3117E+01	5.8597E+01	2.2869E+01	-2.5904E+02
05	-4.2799E+02	2.5616E+02	4.4076E+02	3.0350E+02
06	4.7907E+01	-1.8495E+02	3.9529E+01	2.2936E+01
07	1.3963E+02	2.2298E+02	-4.1816E+01	-2.6196E+01
08	-7.4960E+01	-1.3076E+02	-2.5790E+01	2.3925E+01
09	2.9287E+01	-1.1847E+01	1.8429E+01	-5.6679E+01
10	-3.3109E+01	8.3781E-01	3.0833E+01	-6.5064E+01
11	6.6097E+00	-1.2381E+02	9.0951E+01	-2.0721E+00
12	4.9759E+01	-1.2596E+02	2.3670E+01	-2.2797E+01
13	-5.0007E+01	-1.7455E+01	4.7520E+01	4.5654E+00
14	5.0316E+00	-2.5900E+01	-1.5040E+01	1.7785E+01
15	1.6691E-01	-1.5405E+01	-1.3826E+01	8.3329E+00
16	8.7309E+00	8.5112E+00	-1.1342E+00	1.2717E+01
17	1.9221E+01	-1.4008E+00	7.9876E+00	-1.4492E+01
18	3.0293E+01	6.6257E+00	8.6854E+00	2.0402E+00
19	1.2874E+01	1.1822E+01	5.8438E-02	-2.0038E+00
20	5.5012E+00	2.4516E+00	4.0758E+00	4.1627E+00

	Flat.Bending @19.54%R, in-lb		Edg.Bending @19.54%R, in-lb	
MEAN	1.5672E+04		3.4231E+03	
1/2PP	3.2488E+03		8.8142E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-9.6840E+02	7.5765E+02	-6.2420E+03	4.8910E+03
02	-1.3147E+03	3.5103E+02	1.1205E+03	2.9499E+02
03	-5.1828E+02	1.2724E+03	-2.2929E+02	-1.5515E+03
04	1.0641E+02	-5.2578E+02	-1.1430E+03	-7.8962E+02
05	-8.8395E+02	2.6788E+02	1.5188E+02	4.4893E+01
06	7.4229E+01	-2.2930E+02	-5.6104E+00	3.1636E-01
07	2.0589E+02	3.1190E+02	-3.7163E+01	-4.1994E+01
08	-9.2570E+01	-1.9610E+02	5.8633E+01	8.5308E+01
09	7.3295E+01	2.3483E+01	-7.8454E+01	1.5998E+02
10	-3.5184E+01	2.0628E+00	-5.3388E+01	3.2990E+01
11	-2.4423E+00	-4.3482E+01	-1.2397E+02	-4.3220E+01
12	4.8961E+01	-1.0941E+02	7.2480E+00	3.9221E+00
13	-1.0535E+02	-5.0299E+01	-3.9626E+01	3.8112E+00
14	-1.3247E+00	-1.3130E+01	-1.8100E+00	-8.3488E+00
15	1.2798E+01	-2.7241E+00	-1.7949E+00	2.6952E+00
16	3.1406E-01	-8.2956E+00	2.6688E+00	-3.7465E+00
17	2.8650E-01	-3.2374E-01	7.6004E+00	-3.1482E+01
18	7.1771E+00	1.1186E+00	4.3019E+00	-1.7287E+01
19	-6.8320E-01	-3.8890E-01	1.5823E+01	9.9034E+00
20	-2.1000E+00	6.5136E+00	-5.4809E+00	-5.9195E+00

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.1603E+04		-2.4530E+03	
1/2PP	3.8592E+03		1.0842E+04	
Nth	COSINE	SINE	COSINE	SINE
01	7.3102E+02	-6.7208E+02	-5.9902E+03	6.4141E+03
02	-6.9938E+02	9.0597E+02	1.4832E+03	1.3228E+02
03	-1.1565E+03	2.4940E+03	-1.9932E+03	-1.9920E+03
04	3.4934E+01	-7.2076E+02	-2.2674E+03	-1.4037E+03
05	-7.3510E+02	1.0184E+02	-5.1630E+02	-2.3631E+02
06	-1.0891E+01	-1.2806E+02	-3.9123E+01	-9.2827E+01
07	1.5340E+02	9.0339E+01	1.2681E+01	6.5358E-01
08	-2.9144E+01	-4.1651E+01	6.6287E+01	5.2295E+01
09	4.2415E+01	2.0311E+01	-9.6993E+01	2.3268E+02
10	8.2974E+00	2.7502E+01	-1.1110E+02	1.0714E+02
11	-1.8932E+01	9.2675E+01	-2.5392E+02	-7.8117E+01
12	-3.0832E+01	6.2098E+01	-2.8397E+01	1.6360E+01
13	-1.0049E+01	1.6022E+01	-1.2013E+02	1.2027E+01
14	-4.2791E+00	2.0877E+01	1.9839E+01	-3.1927E+01
15	1.2987E+00	1.6592E+01	1.3786E+01	-8.1616E+00
16	-9.2818E+00	-8.2427E+00	-2.3309E+00	-2.9754E+01
17	-1.7938E+01	1.0100E+01	-9.2700E+00	4.5724E+01
18	-2.5806E+01	-3.5940E-01	-6.3393E+00	5.7797E+00
19	-9.9864E+00	-3.9827E+00	-1.9832E+00	6.2568E+00
20	-6.9508E+00	1.8726E-01	-3.8065E+00	-3.5731E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	4.9159E+03		-1.5642E+03	
1/2PP	5.5958E+03		9.4697E+03	
Nth	COSINE	SINE	COSINE	SINE
01	2.2702E+03	-2.2294E+03	-4.7208E+03	4.0667E+03
02	-1.3949E+03	8.9229E+02	1.3166E+03	2.4986E+02
03	-7.9649E+02	2.2706E+03	-3.0981E+03	-1.2303E+03
04	-4.0015E+01	-3.4162E+02	-2.3108E+03	-1.4371E+03
05	1.3460E+02	-9.9707E+01	-1.3801E+03	-2.9851E+02
06	-1.0715E+02	5.7048E+01	4.4944E+01	-1.8016E+01
07	-9.3103E+01	-2.3526E+02	4.0197E+00	1.7995E+01
08	3.4192E+01	9.9107E+01	-6.8653E+01	-1.0651E+02
09	-5.5201E+01	-1.0243E+01	4.0823E+01	-7.6300E+01
10	-1.4699E+00	-2.0393E+01	8.5041E+00	1.7716E+01
11	1.9333E+01	1.0464E+01	-3.8751E+01	-5.1198E+00
12	-3.0692E+00	3.8478E+01	-1.8136E+01	2.5976E+01
13	7.3412E+01	1.3431E+01	-3.7629E+01	1.5172E+01
14	7.7529E+00	-9.7107E+00	1.1901E+01	-1.4070E+01
15	1.0794E+00	-1.2173E+01	7.9227E+00	3.0871E-01
16	7.1197E+00	6.2774E+00	6.7608E-01	-3.3813E+01
17	1.4486E+01	-7.4257E+00	-2.8244E+01	1.0603E+02
18	1.7737E+01	1.8528E+00	-1.0554E+01	4.6173E+01
19	7.7407E+00	6.6543E+00	-2.4120E+01	-2.1861E+01
20	3.7657E+00	2.7252E+00	7.8110E+00	1.2332E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	1.9168E+01	-5.6541E+03
1/2PP	5.6018E+03	7.1872E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.1849E+03	-2.2934E+03	-3.0362E+03	1.9169E+03
02	-2.4598E+03	5.5720E+02	7.4899E+02	1.2098E+02
03	-6.2419E+02	1.2423E+03	-2.6351E+03	-3.9557E+02
04	-9.2094E+01	4.5308E+02	-1.7731E+03	-8.9908E+02
05	2.7051E+02	-6.1412E+01	-1.2485E+03	-1.2446E+02
06	7.6379E+01	1.0232E+02	6.2685E+01	-5.8279E+01
07	-1.3109E+02	-3.0826E+00	1.5572E+01	8.7270E+01
08	1.1167E+01	-3.2864E+01	-1.6445E+02	-1.9565E+02
09	8.3733E+00	-1.2939E+01	1.3266E+02	-2.5076E+02
10	-1.5982E+01	-1.0336E+01	9.4949E+01	-6.6245E+01
11	-7.1547E+00	-8.0332E+01	2.0982E+02	5.6989E+01
12	2.7821E+01	-9.5597E+01	1.7393E+01	-4.4867E+01
13	-8.8611E+01	-3.9495E+01	5.1147E+01	-1.5178E+01
14	-8.0629E+00	-3.4689E+00	-1.4624E+01	1.5230E+01
15	-7.6367E-01	6.6122E+00	-6.3416E+00	4.9063E+00
16	-3.6073E+00	-8.7811E-01	3.2810E+00	1.8679E+01
17	-6.4759E+00	7.8986E+00	5.1302E+00	-3.8183E+01
18	-7.0793E+00	-1.2560E-01	3.6691E+00	-1.0142E+01
19	-7.6278E-01	-4.7118E+00	4.0354E+00	1.7948E+00
20	4.2758E-02	-1.1186E+00	-3.3744E-01	2.4816E-01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-3.7915E+03	-5.8529E+03
1/2PP	3.9709E+03	3.2950E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.4186E+02	-7.8180E+02	-1.1033E+03	-8.7922E+01
02	-2.6822E+03	2.0386E+02	-5.7332E+01	-4.5036E+01
03	-5.4776E+02	3.4890E+02	-1.2434E+03	-1.1696E+02
04	-4.8445E+01	6.9953E+02	-7.2195E+02	-2.9845E+02
05	8.4719E+01	2.3308E+02	-6.0663E+02	-6.5972E+01
06	6.5925E+01	-4.8444E+01	5.8144E+01	-9.4274E+01
07	1.2591E+02	1.9474E+02	4.5375E+01	9.9849E+01
08	-9.2301E+00	-4.5343E+01	-1.0435E+02	-1.6213E+02
09	2.2200E+01	3.6243E+01	1.2830E+02	-1.8997E+02
10	6.1728E+00	8.5717E+00	9.3209E+01	-6.2663E+01
11	1.3109E+01	5.8355E+01	2.0409E+02	9.1732E+01
12	-1.2927E+01	7.3989E+01	1.5808E+01	-1.3782E+01
13	4.9344E+01	1.9631E+01	1.0448E+02	6.0308E+00
14	5.7755E+00	6.7092E-01	-1.3429E+01	2.4090E+01
15	3.6522E-01	-2.1233E+00	-5.4474E+00	-4.9557E-01
16	-4.5500E-01	-1.0286E+00	1.7114E+00	4.1415E+01
17	1.7662E+00	-5.3287E+00	3.2373E+01	-1.2029E+02
18	2.4579E+00	-5.7856E-01	1.3231E+01	-5.1383E+01
19	-5.0348E-01	2.4848E+00	2.3701E+01	2.4201E+01
20	-6.4414E-01	1.3285E-01	-1.1291E+01	-1.6088E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-1.4354E+03		-2.8453E+01	
1/2PP	5.6150E+02		6.5739E+01	
Nth	COSINE	SINE	COSINE	SINE
01	-9.2804E+00	-1.2984E+01	-7.6985E+00	5.8153E+00
02	-5.9672E+01	1.7377E+01	4.2106E+00	1.2162E+01
03	-2.4704E+01	4.7512E+01	1.0976E+00	-2.4854E+00
04	2.9475E+02	-3.6945E+02	-4.1998E+01	1.2169E+01
05	-9.4580E+00	-1.3345E+01	1.2781E-01	-2.3984E-01
06	6.4036E+00	-1.0953E+01	-7.8931E-01	-8.9169E-01
07	-1.8341E+00	7.6164E+00	-8.2797E-01	1.1782E-01
08	-5.8535E+01	1.7982E+01	-2.2441E+00	-6.6467E+00
09	6.0011E+00	-6.8103E+00	-7.8673E-01	4.1716E-01
10	9.7021E+00	7.0138E-02	6.2778E-02	3.5748E-01
11	2.9275E+00	6.5224E-01	4.9064E-01	6.2491E-01
12	2.0450E+01	2.4953E+01	-1.8946E+00	-1.2833E+00
13	2.1437E-01	6.9801E-01	-1.4989E-01	9.5602E-02
14	2.8773E+00	1.3670E-01	-3.3464E-01	5.9090E-01
15	4.1715E-01	5.4864E-01	3.9533E-02	-1.1910E-02
16	-5.5563E+00	-6.2395E+00	5.7324E-01	1.8185E+00
17	1.4934E+00	3.7385E+00	-8.2226E-03	-3.5385E-02
18	1.2436E+00	2.5716E+00	-4.2850E-01	6.0767E-02
19	2.0955E-02	1.0372E+00	-1.0858E-01	3.2949E-01
20	-3.9611E+00	5.1219E+00	1.2520E+00	3.3668E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-2.1736E+02		-7.0094E+01	
1/2PP	1.0812E+02		2.7980E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-5.5383E+00	-1.8014E+00	1.7931E+02	3.2208E+01
02	4.0888E+00	-1.0215E+01	5.9818E+00	7.1003E+01
03	4.6615E+00	-2.9007E+00	-4.0697E+01	8.3305E+01
04	7.2036E+01	-2.2128E+01	1.6114E+01	-4.3170E+01
05	-9.1359E-02	3.2408E+00	-1.3139E+01	-1.2465E+00
06	-5.4875E-01	4.4584E+00	8.8067E+00	1.8894E+01
07	1.8777E+00	-6.4905E-01	-9.0660E+00	6.5991E+00
08	1.6208E+01	3.5335E+00	2.3300E+00	4.1368E+00
09	-5.2305E-01	7.7235E-01	2.8132E+00	-5.0181E-01
10	-1.9026E+00	5.6963E-01	3.1160E+00	1.3993E+00
11	-2.0695E-01	-1.1203E+00	2.7269E+00	-1.2593E+00
12	-1.7403E+00	1.3391E+00	2.1464E+00	-1.6748E+00
13	-4.7304E-01	-2.6380E-01	3.6414E+00	7.6670E-02
14	-6.7200E-01	-1.0574E+00	-1.7440E+00	2.7234E+00
15	2.3178E-01	8.3641E-02	-2.4109E-01	-1.4461E+00
16	1.3319E+00	-3.1595E+00	2.2222E-01	2.9165E+00
17	8.3276E-02	-3.0209E-01	3.4850E-01	9.8715E-01
18	8.0629E-01	-6.4916E-01	-9.8361E-01	-4.9149E-01
19	9.7950E-02	-4.8831E-01	-2.1993E-01	-6.5958E-01
20	5.3569E-01	-8.2596E+00	2.0924E-01	5.2818E-01

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.7421E+01		5.7153E+02	
1/2PP	6.8502E+00		1.3802E+03	
Nth	COSINE	SINE	COSINE	SINE
01	9.4126E-01	-6.8053E+00	-1.0576E+02	1.1970E+03
02	5.5799E-01	5.9601E-01	1.4822E+02	-3.4237E+01
03	2.0859E-01	-2.0403E-01	-9.9337E+01	-1.4553E+02
04	-1.9766E-02	-1.0115E-01	-1.2783E+02	-6.2820E+00
05	9.2418E-02	1.7917E-02	8.3787E+01	-1.0034E+02
06	8.4689E-02	-2.5749E-02	-3.0288E+01	-4.6320E+01
07	-3.5923E-02	-3.4734E-03	1.9571E+01	1.3349E+01
08	4.9222E-02	3.4613E-02	2.9848E+01	7.6649E+00
09	6.5772E-02	-2.4074E-02	-6.9381E+00	1.3133E+01
10	4.3006E-02	5.0332E-03	-1.1370E+01	3.1186E+01
11	3.8160E-02	3.4058E-02	-1.0892E+01	-1.1922E+00
12	1.9696E-02	-2.6994E-02	-9.0114E+00	-1.4235E+01
13	2.0368E-02	-1.3621E-02	-7.2019E+00	-6.1635E+00
14	1.1986E-02	-8.4797E-03	9.8795E+00	-7.6480E+00
15	2.3915E-02	-2.3781E-04	6.6915E+00	-7.7955E+00
16	5.9314E-03	-7.0710E-04	1.9253E+00	8.4082E+00
17	2.1671E-03	1.1655E-02	-2.0540E+00	-1.8700E+00
18	2.6353E-03	3.7501E-03	-1.5698E+00	-3.1636E+00
19	-3.4418E-04	1.9938E-04	-1.3457E+00	2.0762E+00
20	-6.7190E-03	2.5976E-03	1.9636E+00	-8.3612E-01

	MR Shaft Torque, in-lb	
MEAN	2.1815E+05	
1/2PP	2.4863E+04	
Nth	COSINE	SINE
01	1.7539E+03	1.8628E+03
02	9.7649E+03	8.0866E+03
03	1.7886E+02	8.5191E+02
04	1.0041E+04	8.3813E+03
05	-1.0188E+02	-2.3627E+02
06	1.1628E+03	1.4402E+03
07	-9.0960E+00	1.0655E+02
08	-3.9000E+02	-3.1628E+02
09	-4.0151E+01	-5.2349E+01
10	2.9784E+02	7.2238E+02
11	-8.6317E+00	-1.0967E+02
12	-1.6660E+02	2.8203E+02
13	-2.3006E+01	3.5996E+01
14	-3.5868E+02	-1.5487E+02
15	-5.1328E+00	3.0702E+01
16	-3.0292E+01	-5.7036E+01
17	8.2474E+00	7.0272E+01
18	-1.4992E+02	5.9115E+00
19	6.0939E+01	1.9316E+01
20	-1.6734E+01	7.2245E+00

Flight 503, Condition A

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	3.3389E+04	-1.2558E+03
1/2PP	1.1946E+04	2.8606E+04

Nth	COSINE	SINE	COSINE	SINE
01	6.6568E+03	6.2677E+02	-1.8815E+04	1.5562E+04
02	-2.9266E+03	3.0990E+03	2.1443E+03	1.4950E+03
03	2.2280E+03	-3.0092E+03	2.8821E+03	-4.8854E+02
04	2.4675E+03	4.7249E+01	1.9213E+02	7.6549E+01
05	-1.1039E+03	-3.7843E+02	9.9372E+02	-1.2345E+03
06	4.9587E+02	-4.8687E+02	-1.2481E+01	-3.0752E+02
07	4.7963E+02	2.3291E+02	-7.3534E+01	-1.9421E+02
08	-5.6576E+01	-1.8503E+02	-5.3443E+01	-7.1147E+00
09	1.3608E+02	-2.8790E+01	-3.3099E+02	4.8514E+02
10	1.9528E+01	1.6656E+02	1.0745E+02	6.0732E+01
11	-4.8729E+01	1.0259E+02	-1.1902E+02	3.3908E+02
12	-5.1914E+01	-8.3513E+01	-1.7841E+02	1.0376E+02
13	-1.9212E+00	1.6538E+02	1.9804E+01	9.0632E+01
14	9.9483E+00	6.3365E+00	7.9600E+00	-7.4520E+00
15	-3.1879E+01	-5.9744E+01	-2.7174E+01	-3.4734E+01
16	-1.5307E+01	-7.1475E+01	2.6418E+00	4.7567E+01
17	-1.3496E+02	-2.3674E+01	1.8129E+01	4.2902E+01
18	-5.1246E+00	-3.9219E+01	-7.5385E+01	-3.5702E+01
19	2.1686E+01	2.3022E+01	4.1092E+01	1.5148E+01
20	2.3880E+01	3.6646E+01	-9.6596E+00	-2.0009E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.2742E+04	2.6979E+03
1/2PP	4.6923E+03	1.2806E+04

Nth	COSINE	SINE	COSINE	SINE
01	3.1371E+03	-9.3877E+01	-1.1268E+04	5.3204E+03
02	-9.8793E+02	1.5866E+03	5.4086E+02	8.8522E+02
03	1.6022E+02	-2.4858E+02	1.2653E+03	-6.5327E+02
04	3.9373E+01	-7.6899E+01	1.1525E+02	-3.3868E+02
05	1.8740E+02	1.1823E+02	2.7188E+02	-1.3154E+02
06	-2.1861E+02	1.7274E+02	4.7207E+01	2.4162E+01
07	-2.4661E+02	-1.0730E+02	-1.0764E+02	-3.0980E+01
08	1.3186E+01	1.5101E+02	-1.1738E+02	6.1592E+01
09	-6.6379E+01	3.3153E+01	-7.3711E+01	8.3872E+01
10	-6.0277E+00	-1.1172E+02	2.6801E+01	-4.8403E+01
11	1.1215E+02	-7.6271E+01	-6.7315E+00	8.3109E+01
12	2.0639E+01	7.7862E+01	-3.4209E+01	4.6330E+01
13	1.1008E+01	-1.4552E+02	1.3756E+01	1.2681E+00
14	4.9033E+01	-1.6249E+01	2.5389E+01	1.7139E+01
15	2.8173E+01	7.2087E+01	-1.5544E+01	-2.7661E+00
16	1.4145E+01	6.7618E+01	-8.9548E+00	1.1677E+01
17	1.5362E+02	3.1878E+01	1.5210E+01	6.4922E+00
18	2.0011E+01	4.9248E+01	-4.5909E+00	4.1155E+00
19	-4.4548E+01	-2.5371E+01	-1.0078E+01	-1.1423E+01
20	-3.2977E+01	-4.3251E+01	-4.2935E+00	-1.0811E+01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	2.0223E+04	9.6121E+01
1/2PP	2.5748E+03	1.0489E+04

Nth	COSINE	SINE	COSINE	SINE
01	8.1955E+02	2.1930E+02	-8.3200E+03	5.4748E+03
02	-6.0597E+02	7.1637E+02	7.8509E+02	3.8344E+02
03	-4.2943E+02	4.4359E+02	2.3410E+02	-5.5823E+02
04	-7.0853E+02	-1.6997E+02	6.9402E+01	-5.6745E+02
05	4.9103E+02	2.2413E+02	-1.1834E+02	3.6097E+01
06	-4.1318E+02	3.5926E+02	3.6906E+01	2.5925E+01
07	-3.5555E+02	-1.9537E+02	1.0467E+02	8.4415E+00
08	4.5593E+01	1.4976E+02	-5.0581E+01	4.6085E+01
09	-7.2398E+01	-6.5586E+00	1.1497E+02	-1.6880E+02
10	-2.4341E-01	-1.2391E+02	-3.8075E+01	1.6549E+01
11	7.4084E+01	-9.2686E+01	4.2421E+01	-1.1785E+02
12	3.3015E+01	7.3744E+01	2.5119E+01	-1.1379E+01
13	-1.3878E+01	-1.0708E+02	-1.4458E+01	-2.4704E+01
14	5.4720E+01	-5.4928E+00	-4.4248E+00	-2.4170E+00
15	1.8334E+01	3.0415E+01	2.8488E+00	8.7051E+00
16	7.6353E+00	1.2417E+01	4.6196E+00	-1.9362E+00
17	2.7998E+01	-7.7071E+00	-1.8177E+01	-2.0589E+01
18	1.2810E+01	1.0455E+01	3.8049E+01	1.2745E+01
19	2.6676E-01	9.0799E-01	-1.6885E+01	6.0090E+00
20	-1.2126E+00	1.9845E+00	-9.2158E-01	5.0598E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.3404E+04	-4.9549E+03
1/2PP	2.7390E+03	1.0824E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.1519E+02	-5.0400E+02	-6.6902E+03	6.8715E+03
02	-7.1513E+02	-1.0435E+02	1.1923E+03	2.7027E+02
03	-9.7657E+02	7.4890E+02	-8.0891E+02	-5.1714E+02
04	-1.0011E+03	-1.7611E+02	1.1555E+02	-7.3025E+02
05	4.2793E+02	1.2306E+02	-5.8272E+02	2.1846E+02
06	-2.4674E+02	3.0005E+02	-9.7934E+01	6.9730E+01
07	-1.4703E+02	-9.1512E+01	1.6310E+02	3.6390E+01
08	8.5587E+01	-3.1624E+01	1.0042E+02	1.9044E+01
09	3.4703E+01	-1.0604E+01	2.0487E+02	-2.9786E+02
10	-2.4416E+01	4.0630E+01	-7.8338E+01	3.8201E+01
11	-6.9504E+01	-1.3448E+01	9.3717E+01	-2.4178E+02
12	1.3609E+01	-3.6706E+01	9.1329E+01	-6.2894E+01
13	-3.7083E+01	9.4437E+01	-2.2097E+01	-5.3303E+01
14	-3.4336E+01	1.3395E+00	-1.0723E+01	-3.6317E+01
15	-1.0447E+01	-6.1142E+01	4.4820E+01	4.6218E+01
16	-9.2830E+00	-5.5914E+01	8.0124E+00	-1.3232E+01
17	-1.3018E+02	-2.5472E+01	3.4122E+01	1.9134E+01
18	-2.0050E+01	-4.2105E+01	-1.4595E+01	1.2294E+00
19	3.8436E+01	2.0696E+01	8.1787E+00	3.4072E+00
20	2.2938E+01	3.7386E+01	5.7834E+00	-1.1838E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	5.0800E+03	-2.6415E+03
1/2PP	3.3893E+03	7.8317E+03

Nth	COSINE	SINE	COSINE	SINE
01	-4.7659E+02	-1.5457E+03	-3.8712E+03	3.8798E+03
02	-1.3306E+03	-3.1809E+02	1.1633E+03	-1.2771E+02
03	-9.7759E+02	1.0545E+03	-1.5770E+03	-4.6761E+02
04	-3.7556E+02	4.8018E+01	1.0200E+02	-6.0897E+02
05	2.4179E+01	-4.1995E+00	-1.0736E+03	3.8457E+02
06	1.5262E+02	-8.0006E+01	-1.4852E+02	4.9460E+01
07	2.7668E+02	1.0968E+02	-4.2676E+01	1.1012E+02
08	-1.6809E+01	-1.2148E+02	2.1695E+02	-7.9663E+01
09	4.6484E+01	-4.3932E+01	-2.2371E+01	1.8231E+01
10	6.5220E+01	7.2460E+00	-8.8257E+00	1.1133E+01
11	7.7071E+00	6.4043E+01	-2.0985E+01	-8.6134E-01
12	-4.4068E+01	-2.6909E+01	7.3603E+01	-2.7796E+01
13	3.4313E+01	-1.9501E+01	-4.8385E-01	-1.9794E+00
14	2.1882E+01	-4.8856E+00	1.9997E+01	-2.4618E+01
15	2.6975E+00	5.1753E+01	4.0681E+01	4.1811E+01
16	-1.2745E+01	5.0194E+01	-1.0039E+01	-1.4364E+01
17	8.5106E+01	2.1663E+01	9.0679E+01	8.7731E+01
18	2.4375E+01	3.2176E+01	-9.6376E+01	-3.7836E+01
19	-2.0327E+01	-4.9942E+00	3.3201E+01	-1.9328E+01
20	-1.9057E+01	-2.1508E+01	-4.5764E+00	-1.8478E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.7796E+02	9.4536E+03
1/2PP	3.8130E+03	4.7572E+03

Nth	COSINE	SINE	COSINE	SINE
01	-5.7274E+02	-1.3568E+03	-1.6977E+03	4.8313E+02
02	-1.7795E+03	-1.9838E+02	1.4120E+03	-4.9712E+02
03	-8.0973E+02	9.5037E+02	-1.3563E+03	-2.5839E+02
04	3.7044E+02	1.4816E+02	1.0338E+02	-4.2865E+02
05	-1.5214E+02	-1.4409E+02	-9.9992E+02	3.2719E+02
06	1.2721E+02	-2.0347E+02	-7.7922E+01	4.2659E+01
07	2.2626E+01	9.5788E+01	-9.8915E+01	4.2342E+01
08	-5.1304E+01	5.9073E+01	1.6905E+02	-1.2281E+02
09	-6.6142E+01	2.0940E+01	-2.0745E+02	2.9305E+02
10	-4.6122E+01	-2.1615E+01	8.2919E+01	-1.0348E+02
11	6.0900E+01	-1.0924E+01	-5.1240E+01	1.6107E+02
12	3.4864E+01	6.9837E+01	-6.9519E+01	7.3840E+01
13	-3.2639E+00	-5.9384E+01	-1.6173E+01	3.1079E+01
14	8.8455E-02	1.8836E+01	3.9231E+01	5.0253E+00
15	-7.8190E-01	-1.8099E+01	-3.3161E+01	-1.4021E+01
16	1.9741E+01	-4.6479E+01	-1.9224E+01	1.5952E+01
17	-2.9544E+01	-2.4183E+01	-2.5300E+01	-3.0760E+01
18	-1.5203E+01	-1.4012E+01	3.2720E+01	-5.0511E+00
19	4.6249E+00	-6.4324E+00	-1.8940E+01	1.1630E+01
20	1.5475E+01	3.5645E+00	-1.4172E+01	1.2481E+00

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-4.8057E+03		-5.2400E+03	
1/2PP	3.6155E+03		2.8586E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.0999E+02	-2.6912E+02	-7.5506E+02	2.3382E+02
02	-2.1570E+03	1.8769E+02	4.3786E+02	-2.9219E+02
03	-7.8639E+02	8.5289E+02	-9.8884E+02	-2.0348E+02
04	7.9169E+02	-8.1568E+01	1.1616E+02	-5.2899E+01
05	-1.4688E+01	-2.4799E+02	-3.7000E+02	5.2968E+01
06	-2.4504E+01	3.9155E+01	-1.0901E+02	-6.3316E+01
07	-2.6118E+02	-1.0130E+02	-1.9421E+02	4.2349E+01
08	-4.3973E+01	8.7102E+01	1.0267E+02	-4.6625E+01
09	2.3568E+01	1.0219E+01	-1.7734E+02	1.8242E+02
10	2.8629E+01	1.8154E+01	7.1533E+01	-7.4124E+01
11	-7.2803E+01	-2.2153E+01	-9.3465E+01	1.1620E+02
12	-2.0329E+01	-6.4522E+01	-1.0655E+02	2.3389E+01
13	1.6426E+01	7.4227E+01	-1.6011E+01	4.3457E+01
14	-1.1374E+01	6.9001E+00	7.4576E-01	3.1194E+01
15	-1.5740E+01	-1.5525E+01	-6.2058E+01	-5.3372E+01
16	-6.3828E-01	7.8821E+00	-7.2602E+00	3.1145E+01
17	2.4302E+01	2.5999E+01	-8.9207E+01	-6.5895E+01
18	4.2313E-01	1.6417E+01	1.0791E+02	4.9352E+01
19	-1.1340E+01	-7.5203E+00	-4.3423E+01	2.8916E+01
20	-3.8933E+00	-1.0980E+01	-5.9152E+00	2.2122E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-9.6813E+02		9.5934E+01	
1/2PP	6.1922E+02		8.1964E+01	
Nth	COSINE	SINE	COSINE	SINE
01	-1.9511E+01	-1.5299E+01	4.6894E+00	8.7261E+00
02	-2.1209E+01	-2.4276E+01	-2.4267E+00	1.0495E+01
03	-3.6990E+01	-9.1782E+00	-2.4379E-01	6.7107E-01
04	-4.3177E+02	1.4996E+02	6.5609E+01	1.8525E+01
05	1.9254E+01	-5.3118E+01	-1.1205E+00	7.0487E+00
06	-1.8514E+00	1.8181E+01	2.2224E-01	-1.5348E+00
07	3.1666E+01	-1.4672E+01	-5.3544E+00	2.7597E+00
08	4.8186E+00	1.0964E+01	1.3898E+00	6.7609E+00
09	1.6094E+01	2.3247E+00	-3.0592E+00	-5.9905E-01
10	-2.6214E+01	1.4199E+01	3.8844E+00	-3.6613E+00
11	3.6761E+01	-1.5433E+01	-6.0115E+00	3.5345E+00
12	-5.7958E+01	3.4249E+01	-2.9445E+00	-4.7989E+00
13	-6.9815E+00	8.8822E+00	3.3126E-01	-2.3207E+00
14	-3.3019E+00	-9.8456E+00	1.9031E+00	2.1806E+00
15	8.6043E-01	3.1439E+00	-9.1672E-01	-1.1106E+00
16	-6.9041E+00	1.6902E+00	-4.7159E-01	-2.0477E+00
17	-4.0253E-01	3.2662E+00	4.1476E-01	-4.3019E-01
18	4.5762E-01	-6.7281E+00	-4.1175E-01	1.2079E+00
19	-2.8268E+00	4.1714E+00	4.4916E-03	-9.2280E-01
20	-1.5955E-02	-6.8386E+00	-5.3712E-01	-5.8120E-01

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	-1.5295E+02	-2.7289E+01
1/2PP	8.9765E+01	2.4647E+02

Nth	COSINE	SINE	COSINE	SINE
01	-7.3666E+00	-9.3695E-01	9.5161E+01	1.1648E+02
02	9.8636E+00	-3.9121E+00	4.2846E+01	-9.2562E+00
03	4.6942E+00	-1.0659E+00	1.5257E+01	-2.1223E+01
04	-5.4829E+01	-3.6536E+01	-3.1007E+01	1.5632E+01
05	-2.7715E+00	1.0073E+00	8.8695E+00	3.5093E+01
06	-1.4747E+00	-5.6548E-01	3.9814E+01	-1.4849E+01
07	3.0460E+00	-1.9772E+00	9.3315E+00	1.0055E-01
08	-6.6128E+00	-1.0649E+01	-1.1605E+00	-4.2220E-02
09	1.1942E+00	6.5771E-03	-2.2108E+00	4.0345E+00
10	-1.7503E+00	2.4817E+00	-2.2685E+00	-3.5894E+00
11	2.1111E+00	-1.7389E+00	1.7906E+00	5.0380E+00
12	6.6902E+00	-1.2030E+00	-8.7594E-01	-2.3229E+00
13	1.1821E+00	1.5085E+00	4.6230E+00	5.4827E-02
14	-2.3710E+00	-1.1966E+00	-1.9952E+01	3.8256E+00
15	1.1422E+00	6.5641E-01	-1.6898E+00	-2.3095E+00
16	3.5823E+00	3.9480E+00	2.2594E+00	2.6466E+00
17	-6.1585E-01	-2.5045E-02	-7.0874E-01	-5.0796E-01
18	1.5861E-01	-7.6774E-01	-2.1710E+00	-1.3646E+00
19	2.7427E-01	7.6806E-01	8.7612E-01	-1.2872E-01
20	7.7842E-01	1.5014E+00	5.8839E-02	1.1024E+00

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.5010E+01	5.0771E+02
1/2PP	3.7907E+00	1.3617E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.4480E+00	-3.5859E+00	-9.4284E+01	1.3871E+03
02	3.8918E-01	4.6970E-01	1.7128E+02	7.3209E+00
03	2.8136E-01	-1.7102E-01	-8.1682E+01	2.7102E+01
04	-1.3929E-01	3.2692E-02	-2.5540E+01	4.4986E-01
05	1.3503E-01	-2.2116E-02	2.3407E+01	-8.5714E+01
06	2.7878E-02	-6.1004E-02	-2.4969E+01	-2.3492E+01
07	6.6640E-02	-4.6745E-02	3.4253E+01	-2.0076E+01
08	-1.1971E-02	2.3771E-02	1.5165E+01	5.2061E+00
09	-1.3736E-02	4.7419E-02	1.3326E+01	-1.0917E+01
10	-2.0253E-02	8.4294E-03	-5.4485E+00	2.0128E+01
11	-4.9868E-03	4.5178E-02	8.1673E+00	-1.5227E+01
12	-4.0660E-02	-8.1670E-03	-7.6351E+00	7.8416E+00
13	2.0651E-02	-3.1689E-04	-4.6342E+00	-3.0994E+00
14	-1.1572E-02	-7.2604E-03	-1.3755E+00	-6.5014E+00
15	-9.0616E-03	9.5134E-03	-5.9074E-01	-8.0225E-01
16	-2.9700E-03	1.4569E-02	5.4922E+00	9.1981E+00
17	5.7184E-03	9.2079E-03	-2.7146E+00	-5.5842E+00
18	-1.7747E-03	-1.0132E-02	7.4926E+00	2.2213E+00
19	1.3436E-03	-8.4172E-04	-2.8533E-01	6.6710E+00
20	4.3380E-03	-7.9745E-03	-4.2264E+00	-1.2149E+00

	MR Shaft Torque, in-lb
MEAN	1.7634E+05
1/2PP	8.1854E+03

Nth	COSINE	SINE
01	-4.1045E+02	6.0124E+01
02	2.4991E+03	-4.0927E+01
03	-7.0966E+02	7.8324E+02
04	2.1779E+03	3.6414E+03
05	-3.0376E+02	4.3396E+01
06	-1.5388E+03	1.4501E+03
07	-2.2557E+01	1.9449E+02
08	3.1519E+02	-4.9576E+02
09	6.1478E+01	9.1703E+01
10	-3.6989E+02	-4.7827E+01
11	9.4541E+00	-2.5000E+01
12	-1.3839E+02	-1.5060E+02
13	6.4030E+01	-7.7821E+01
14	-2.0440E+01	1.4975E+02
15	6.2129E+01	2.5904E+01
16	-6.1490E+01	-1.1227E+02
17	5.6455E+01	2.8457E+01
18	-3.3931E+01	2.8905E+01
19	-1.0617E+01	-1.2176E+01
20	5.2513E+01	3.5939E+00

Flight 503, Condition C

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	3.2602E+04		-2.6402E+03	
1/2PP	9.2111E+03		2.8806E+04	

Nth	COSINE	SINE	COSINE	SINE
01	-3.2331E+02	4.1175E+02	-1.7220E+04	1.7181E+04
02	-4.0853E+03	2.0751E+03	2.0475E+03	1.4636E+03
03	2.3877E+03	-3.3259E+03	2.9182E+03	-3.3761E+02
04	1.8136E+03	-1.8356E+02	2.7169E+02	3.8045E+02
05	4.7939E+02	-3.8875E+02	1.5367E+03	-8.2995E+02
06	4.2470E+02	-9.1651E+02	1.0437E+02	-4.7509E+02
07	-1.0204E+02	-5.3948E+02	-2.9809E+01	-2.1358E+02
08	1.3335E+02	-5.6654E+02	2.8085E+01	-2.2492E+01
09	-2.2441E+02	-3.2245E+02	4.1670E+02	2.5142E+02
10	-3.4222E+01	4.0161E+01	-1.1527E+03	3.8214E+02
11	-8.2561E+01	2.3908E+02	-2.2025E+02	6.4763E+02
12	-3.7333E+02	1.7452E+02	2.9817E+02	3.1950E+01
13	9.7097E+01	3.4695E+01	8.6314E+01	4.5881E+01
14	-1.0164E+01	1.6293E+02	1.4643E+01	6.7408E+01
15	-3.9144E+01	4.3039E+01	-8.7805E+01	4.6872E+01
16	-5.2078E+01	-8.9247E+01	3.0826E+01	1.5361E+01
17	3.5505E+02	-1.1485E+02	-1.8061E+02	8.4387E+01
18	3.6335E+01	1.1092E+02	2.8465E+01	6.3620E+01
19	-3.4154E+01	2.7454E+01	4.6629E+00	7.8107E+01
20	-4.0604E+01	-2.2009E+01	1.4988E+01	-1.9492E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.2184E+04	1.9812E+03
1/2PP	2.7917E+03	1.3064E+04

Nth	COSINE	SINE	COSINE	SINE
01	3.0150E+02	-1.4641E+02	-1.0860E+04	6.2924E+03
02	-1.2525E+03	1.3168E+03	5.7336E+02	8.5342E+02
03	2.1456E+02	-3.0551E+02	1.1665E+03	-7.5848E+02
04	7.2775E+01	-6.2551E+01	8.2639E+01	-3.2214E+02
05	-2.0172E+02	2.6502E+01	4.5668E+02	-1.3697E+01
06	-2.1845E+02	2.7169E+02	1.2848E+02	-5.5646E+01
07	-4.0583E+01	5.0417E+02	-5.5267E+01	-6.3296E+01
08	-1.1365E+02	3.6055E+02	-8.7081E+01	6.1713E+01
09	9.4062E+01	1.6082E+02	3.4034E+01	7.0517E+01
10	2.1425E+01	-2.9026E+01	-1.9109E+02	6.0532E+01
11	8.9031E+01	-1.9899E+02	6.2415E-01	1.1899E+02
12	2.6474E+02	-1.2861E+02	1.1161E+02	-2.8932E+01
13	-4.3814E+01	-9.5081E+01	-5.8727E+00	-8.3590E+00
14	-5.2734E+01	-1.1719E+02	2.4657E+01	-2.6339E+00
15	2.1076E+01	-2.7568E+01	4.8682E+00	-2.8342E+00
16	7.0378E+01	6.6913E+01	2.1710E+00	4.9855E+01
17	-3.8736E+02	1.2287E+02	-4.5617E+01	-4.8348E-01
18	-7.2275E+01	-1.3005E+02	-3.1333E+00	-3.4349E+01
19	4.6946E+01	-3.6597E+01	9.7251E+00	4.7103E+00
20	5.7275E+01	1.3082E+01	3.6819E+00	-5.3290E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9776E+04	-3.3393E+02
1/2PP	3.1755E+03	1.0638E+04

Nth	COSINE	SINE	COSINE	SINE
01	-7.6414E+02	2.3569E+02	-7.6000E+03	6.2043E+03
02	-6.9201E+02	6.2637E+02	8.6389E+02	4.1505E+02
03	-3.8133E+02	4.4547E+02	2.0265E+02	-6.0518E+02
04	-4.6842E+02	-1.1395E+02	-4.6918E+01	-6.9195E+02
05	-3.9267E+02	7.8489E+01	-1.1437E+01	-5.2442E+00
06	-3.9168E+02	5.4916E+02	5.2319E+01	-6.2939E+01
07	8.8685E+00	5.9484E+02	-5.2110E+01	-2.2227E+02
08	-1.1280E+02	3.9866E+02	-4.2763E+01	-3.8652E+01
09	1.3333E+02	2.1823E+02	-2.0270E+02	-1.1442E+02
10	1.0374E+02	-4.3648E+01	3.8177E+02	-1.4505E+02
11	9.6685E+01	-2.2707E+02	2.8444E+01	-2.1918E+02
12	2.2367E+02	-1.6942E+02	-6.9190E+01	7.8914E+00
13	-6.7060E+01	-3.3442E+01	-2.3827E+01	1.6833E+00
14	-4.1622E+01	-3.7411E+01	-7.7436E+00	-1.2672E+01
15	1.9902E+01	-2.7096E+01	2.6005E+01	-1.7762E+01
16	4.6807E+01	2.5118E+01	9.6030E+00	-3.9809E+00
17	-5.6032E+01	5.0420E+01	7.0279E+01	-4.1177E+01
18	-1.3605E+01	-2.4119E+01	-2.1325E+01	-2.2957E+01
19	-1.0870E+01	-4.4446E+00	-1.9279E+00	-4.1740E+01
20	-5.2225E+00	-4.5492E+00	1.7061E+00	6.9760E+00

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.3101E+04		-5.2365E+03	
1/2PP	2.9972E+03		1.0897E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-3.6805E+02	-5.3816E+02	-6.2334E+03	7.5216E+03
02	-6.9154E+02	-5.5706E+01	1.2771E+03	3.5886E+02
03	-8.7051E+02	7.7427E+02	-7.6486E+02	-5.4696E+02
04	-6.6018E+02	-1.4831E+02	-4.9923E+01	-1.0438E+03
05	-3.3169E+02	1.3472E+01	-7.3404E+02	-4.7312E+01
06	-2.4902E+02	3.7707E+02	-1.5328E+02	7.9502E+01
07	1.3438E+02	2.0613E+02	1.1969E+01	-3.0719E+01
08	4.1854E+01	7.6269E+01	2.6465E+01	-4.6992E+01
09	2.5524E+01	-3.6285E+00	-2.3550E+02	-2.1119E+02
10	8.4538E+01	-1.4024E+01	6.2361E+02	-2.0106E+02
11	-5.5341E+01	4.6575E+01	1.0263E+02	-4.1002E+02
12	-1.8177E+02	1.2792E+01	-1.5733E+02	1.7053E+01
13	-1.3698E+01	5.9892E+01	5.4190E+00	4.7094E-01
14	1.1117E+01	8.9896E+01	-5.6100E+01	-3.2181E+01
15	-1.7445E+01	1.9096E+01	1.2142E+01	5.2331E+00
16	-5.9846E+01	-5.9041E+01	9.8295E+00	-7.8262E+01
17	3.0353E+02	-9.6286E+01	-8.2118E+01	6.0171E+01
18	5.1163E+01	9.7599E+01	-3.2970E+00	2.9109E+01
19	-2.6557E+01	2.8244E+01	5.7129E+00	9.9199E+00
20	-4.3237E+01	3.5639E-01	1.5163E+01	8.8640E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	4.9750E+03		-2.8118E+03	
1/2PP	3.6579E+03		8.6720E+03	
Nth	COSINE	SINE	COSINE	SINE
01	2.2174E+01	-1.7703E+03	-3.9824E+03	4.3428E+03
02	-1.2827E+03	-2.9008E+02	1.1987E+03	6.8763E+01
03	-8.7634E+02	8.1326E+02	-1.5914E+03	-4.0603E+02
04	-3.1721E+02	2.2933E+01	6.7603E+01	-9.7701E+02
05	7.2694E+01	-3.9061E+01	-1.4206E+03	2.2136E+01
06	1.3210E+02	-1.9229E+02	-2.9412E+02	2.2637E+02
07	-5.1416E+00	-4.2712E+02	1.4415E+02	5.4561E+02
08	1.2849E+02	-3.3695E+02	1.2368E+02	2.8879E+01
09	-4.6943E+01	-1.0535E+02	8.1852E+01	-2.4220E+01
10	-1.0536E+02	1.9060E+01	-1.3983E+02	5.4798E+01
11	-4.0782E+00	8.0035E+01	3.3798E+01	1.1795E+01
12	3.0330E+01	9.4088E+01	-2.7666E+01	-2.7802E+00
13	1.0017E+02	2.7902E+01	1.1312E+01	-2.3280E+01
14	2.0476E+01	-1.7366E+01	-6.8965E+01	-1.8509E+01
15	2.4033E+00	-1.2945E+01	-5.0371E+01	3.5464E+01
16	3.7476E+01	4.4159E+01	-2.6920E+01	-3.6093E+01
17	-2.1695E+02	7.4722E+01	-3.3466E+02	1.1629E+02
18	-4.0664E+01	-6.6855E+01	2.5520E+01	4.0770E+01
19	2.2021E+01	-1.8010E+01	7.6539E+00	9.6435E+01
20	3.2781E+01	9.7000E+00	1.1428E+01	-1.6082E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-4.5456E+02	2.1947E+03
1/2PP	3.9147E+03	6.0323E+03

Nth	COSINE	SINE	COSINE	SINE
01	6.3697E+01	-1.5811E+03	-2.0935E+03	1.7119E+03
02	-2.0517E+03	-2.5145E+02	1.1886E+03	-2.6643E+02
03	-6.9887E+02	8.8593E+02	-1.6833E+03	-2.8612E+02
04	2.0423E+02	7.3223E+01	1.3270E+02	-5.4541E+02
05	1.5997E+02	7.8410E+01	-1.1513E+03	-3.2775E+01
06	1.8517E+02	-1.3970E+02	-2.7670E+02	1.3255E+02
07	-6.6508E+01	-9.3360E+01	1.7662E+02	7.4628E+02
08	-1.0946E+02	1.0241E+01	1.2550E+02	1.2532E+02
09	-2.2960E+01	5.5332E+01	3.5083E+02	1.8973E+02
10	6.8565E+01	5.1548E+01	-6.3739E+02	1.9020E+02
11	4.9502E+01	-6.7366E+01	-4.9028E+01	3.0749E+02
12	7.5334E+01	-1.1491E+02	1.7054E+02	-4.7807E+01
13	-1.1944E+02	-1.0202E+02	-9.2385E+00	-1.7364E+01
14	-2.8713E+01	-3.2979E+01	2.3320E+01	2.0255E+01
15	-1.8764E-01	2.6562E+01	-3.4792E+00	-9.9064E+00
16	-2.8015E+01	-1.1758E+01	2.0211E+01	5.1255E+01
17	1.0254E+02	-3.9478E+01	1.0886E+02	-4.7812E+01
18	3.2131E+01	2.0810E+01	2.0558E+00	-2.4322E+01
19	-2.6719E+00	1.0769E+01	-4.8278E+00	-1.9487E+01
20	-2.7918E+01	-7.1441E+00	-1.1882E+01	2.6081E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.8433E+03	-5.0056E+03
1/2PP	4.1672E+03	3.1970E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.2155E+02	-4.6147E+02	-7.6144E+02	2.2213E+02
02	-2.3096E+03	5.5197E+01	4.8394E+02	-2.7227E+02
03	-7.5656E+02	7.3341E+02	-1.0299E+03	-2.5664E+02
04	7.5102E+02	2.6072E+01	1.0324E+02	-1.4160E+02
05	1.7145E+02	-1.6704E+02	-3.8165E+02	-2.4237E+01
06	-1.2573E+02	8.9132E+01	-1.4417E+02	-3.4320E+01
07	-3.3367E+01	4.3361E+02	-1.5869E+01	5.4669E+02
08	-1.6616E+01	2.4689E+02	3.1649E+01	2.2213E+02
09	4.7772E+01	-1.1018E+01	3.0863E+02	2.3067E+02
10	-1.3510E+01	-6.0493E+01	-4.7170E+02	7.1898E+01
11	-4.4390E+01	3.8637E+01	-8.3425E+01	2.4068E+02
12	-6.5810E+01	5.6513E+01	1.0216E+02	-8.7510E+00
13	8.2390E+01	6.0894E+01	2.3130E+01	4.6660E+01
14	2.2774E+01	5.7046E+01	1.0125E+02	5.3422E+01
15	-1.4652E+01	-1.4593E+01	4.9718E+01	-5.4783E+01
16	1.0854E+01	-3.2757E+01	2.3732E+01	3.8322E+01
17	-2.8733E+01	2.0050E+01	3.1527E+02	-1.3566E+02
18	-1.4492E+01	2.2139E+01	-4.8371E+01	-3.9910E+01
19	-1.4581E+01	3.9217E+00	-9.7119E+00	-9.7611E+01
20	5.5566E+00	-1.6508E+01	-1.5523E+00	1.3432E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-1.0690E+03		9.9085E+01	
1/2PP	9.9550E+02		1.3457E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-5.2064E+00	-2.8648E+01	9.0006E-01	1.1109E+01
02	-2.5538E+01	-2.6458E+01	-1.3738E+00	9.6852E+00
03	-3.7279E+01	-9.6206E+00	2.3358E-02	3.7894E-01
04	-6.9462E+02	3.3673E+02	8.7380E+01	-1.6359E+01
05	1.2054E+01	-1.2728E+01	-1.5900E+00	-7.7229E-01
06	-9.9198E+00	1.2032E+01	1.5476E-01	-1.9740E+00
07	3.2365E+01	-1.4097E+00	-4.6188E+00	1.0795E+00
08	-4.6808E+01	-4.4998E+01	1.1167E+01	-5.7007E+00
09	-5.2196E-01	1.1175E+01	7.0201E-01	-2.2793E+00
10	-1.6791E+01	-2.0710E+01	2.1753E+00	3.9071E+00
11	1.3929E+01	2.2703E+01	-9.8311E-01	-5.3577E+00
12	-8.1934E+01	1.2556E+02	3.4161E+00	-1.2177E+01
13	-2.6598E+00	-6.6010E+00	2.8923E+00	1.7687E+00
14	8.8313E+00	3.5296E+00	-2.4994E+00	-1.3672E-01
15	-6.5011E-01	3.6620E+00	-4.1253E-02	-1.2897E-01
16	2.2395E+00	-6.5349E+00	4.0821E+00	-1.9623E+00
17	-3.5576E+00	-4.6126E-01	2.7243E-01	1.4007E-01
18	2.8937E+00	3.7377E+00	-4.6998E-01	-1.7220E+00
19	-3.0516E-01	-8.1297E-01	5.5615E-01	-3.0476E-01
20	3.0158E+00	-1.0314E+01	-3.4828E+00	-9.1232E-01

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-1.7760E+02		-3.6313E+01	
1/2PP	9.2846E+01		3.2080E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-7.4670E+00	3.0341E+00	1.2215E+02	1.2054E+02
02	1.0230E+01	-2.9864E+00	5.1857E+01	-8.8213E+00
03	3.2722E+00	1.0633E+00	-1.0459E+01	-1.3485E+01
04	-3.9335E+01	-2.9376E+01	-5.0982E+01	3.6172E+01
05	-1.8633E+00	3.1866E+00	2.2439E+01	4.9609E+01
06	1.6496E+00	6.8345E-01	4.3274E+01	-1.6819E+01
07	-5.3592E-01	-1.4041E+00	-1.5956E+01	-1.5163E+01
08	-3.7137E+00	2.4283E+01	-7.0637E+00	1.5929E+00
09	-2.0477E-01	1.5132E+00	-6.0745E-02	1.5430E+00
10	9.1647E-01	-9.1958E-01	-3.7833E+00	3.2236E+00
11	-1.0643E+00	1.2343E+00	-2.1352E+00	4.1116E+00
12	7.6792E+00	-6.4309E+00	4.1470E+00	4.9077E+00
13	-3.9915E+00	6.1991E-01	2.8032E+00	7.5335E-01
14	5.0678E-01	-1.3294E+00	1.1430E+01	-1.5216E+01
15	5.6685E-01	2.6506E-01	1.0548E+00	1.6607E+00
16	-9.1248E+00	2.5569E+00	-3.8001E+00	3.4408E+00
17	-1.5104E-01	-6.7940E-02	2.7046E+00	-2.1691E+00
18	1.2668E+00	7.4318E-01	4.0720E+00	2.6968E+00
19	-1.2108E+00	7.2235E-01	2.3025E-01	2.8833E-01
20	3.0693E+00	1.5498E+00	-1.2922E+00	6.2720E-01

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.4909E+01		5.0669E+02	
1/2PP	4.4670E+00		1.3732E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.4661E+00	-4.0256E+00	5.8237E+01	1.4068E+03
02	4.0963E-01	4.5683E-01	1.7834E+02	-1.1388E+01
03	1.9479E-01	-1.4335E-01	-3.5714E+01	7.0110E+01
04	-2.0870E-01	1.2194E-01	-1.9132E+01	-1.6064E+00
05	2.1101E-01	6.6005E-02	1.2049E+01	-9.2310E+01
06	4.3820E-02	-7.2065E-02	-3.5918E+01	-2.6454E+01
07	-1.2633E-02	-9.6390E-02	-4.3369E+00	-4.3030E+01
08	-9.3752E-03	1.1031E-02	1.4332E+01	-9.4255E+00
09	5.3065E-02	2.8780E-02	-7.2256E+00	-1.1290E+01
10	-1.0653E-01	3.2612E-02	2.9871E+01	-6.9163E+00
11	-4.1369E-02	6.9234E-02	-1.2204E+01	-1.9894E+01
12	1.4990E-02	8.7861E-03	6.9361E+00	-2.7541E+00
13	9.4860E-03	-1.0723E-02	-1.8432E+00	7.1950E-02
14	1.1215E-02	-1.9699E-02	-8.3881E+00	5.0802E+00
15	8.0394E-03	5.3771E-03	-4.1646E+00	-2.8644E+00
16	-1.7251E-03	6.4753E-03	1.5100E+01	-3.0490E+00
17	-2.4323E-02	1.2727E-02	1.5454E+00	-1.8257E+00
18	-9.2973E-03	-1.6518E-04	-6.6859E+00	-5.8431E-02
19	-3.9774E-03	6.1946E-03	-1.4305E+00	-8.8478E+00
20	3.9737E-03	-1.2156E-02	2.3363E+00	-5.0926E-01

	MR Shaft Torque, in-lb	
MEAN	1.6767E+05	
1/2PP	1.2175E+04	
Nth	COSINE	SINE
01	8.2041E+02	3.6185E+02
02	3.8369E+03	2.6604E+03
03	-1.6591E+02	3.8174E+02
04	2.6304E+03	6.4277E+03
05	-2.6114E+02	9.5127E+01
06	2.1936E+02	1.1773E+03
07	-4.1061E+01	5.1807E+02
08	3.2589E+02	-5.8769E+02
09	-4.0113E+01	5.1364E+01
10	-1.7377E+02	1.6036E+02
11	6.1578E+01	-2.9577E+01
12	-3.1516E+02	1.1776E+03
13	1.4723E+01	-1.1930E+01
14	-1.1808E+02	2.3057E+01
15	-8.9285E+00	-4.0761E+01
16	-1.0620E+02	-1.5515E+02
17	-2.9706E+01	2.2249E+01
18	4.8592E+01	4.8387E+01
19	3.4400E+01	-1.1503E+01
20	-2.6722E+01	7.9670E+01

Flight 503, Condition E

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	3.1410E+04		-6.6943E+02	
1/2PP	1.3999E+04		3.0134E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-5.1449E+03	4.6972E+02	-1.7899E+04	1.8413E+04
02	-5.1982E+03	-7.7256E+02	2.2498E+03	1.5126E+03
03	4.7626E+03	-3.1320E+03	3.5056E+03	5.2347E+02
04	2.0293E+03	5.7158E+02	2.0314E+02	7.2877E+02
05	4.6700E+02	7.6920E+02	1.8968E+03	3.6822E+02
06	1.1070E+02	-2.5021E+02	3.7026E+02	-5.6108E+02
07	2.4468E+02	-6.5302E+02	-5.8326E+01	-4.1420E+02
08	5.1101E+02	2.2376E+02	-1.0730E+02	-4.5430E+00
09	3.0522E+01	-4.4839E+02	-3.9402E+01	-4.0060E+01
10	1.5257E+02	-1.0022E+02	-4.0601E+02	-1.3071E+03
11	3.1074E+01	-9.0231E+01	-3.4139E+02	-5.3718E+02
12	-1.3324E+02	-2.3122E+02	2.7124E+01	2.1220E+02
13	1.4689E+02	-3.4903E+02	-1.6208E+01	-1.2615E+02
14	8.7624E+01	-1.1422E+01	1.9300E+01	5.7535E+01
15	4.3665E+01	5.0052E+01	2.7807E+01	7.1841E+01
16	-4.9651E+01	7.9659E+01	2.2941E+01	-7.8663E+01
17	6.9880E+01	-2.1196E+02	-3.4977E+01	9.4504E+01
18	1.2162E+01	8.6164E+01	7.5644E+01	-2.3250E+01
19	-2.5704E+01	-1.2374E+01	1.7810E+01	-5.6115E+00
20	-3.9265E+01	-8.0316E+00	2.7707E+01	5.7171E+00

	Flat.Bending @14.2%R, in-lb		Edg.Bending @14.2%R, in-lb	
MEAN	2.1500E+04		3.0756E+03	
1/2PP	3.3976E+03		1.3972E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-1.5866E+03	-1.0334E+02	-1.1561E+04	6.9233E+03
02	-1.5978E+03	6.4770E+02	6.1927E+02	8.2921E+02
03	5.4682E+02	-3.6480E+02	1.4341E+03	-6.4304E+02
04	8.5484E+01	-5.0671E+01	1.1560E+02	-3.1693E+02
05	-8.6918E+01	-3.3068E+02	4.8232E+02	2.5963E+02
06	-7.9722E+01	2.2821E+01	2.1129E+02	-3.2615E+01
07	-2.8770E+02	3.8582E+02	-3.2293E+01	-1.0763E+02
08	-3.1203E+02	-1.7930E+02	-1.3271E+02	-8.0694E+01
09	-8.7225E+01	6.7446E+01	-3.3901E+01	2.2081E+01
10	-7.7686E+01	1.3308E+02	-1.0361E+02	-1.6593E+02
11	-9.7449E+01	1.2033E+02	-6.2837E+01	-7.9123E+01
12	1.3141E+02	1.3986E+02	2.0114E+01	4.8868E+01
13	-8.3562E+01	1.9089E+02	-4.8876E+01	-2.4472E+01
14	-8.3096E+01	-7.4760E+00	2.8603E+00	-3.4911E+01
15	-5.0916E+01	-8.4501E+01	2.2569E+01	-6.3407E+00
16	4.8362E+01	-6.1252E+01	2.5410E+01	-2.6165E+01
17	-6.1473E+01	1.8656E+02	-2.2423E+01	1.8648E+01
18	-3.6026E+01	-8.3454E+01	-7.7164E+00	-1.9130E+01
19	3.8016E+01	-1.2969E+01	7.1401E+00	9.2820E+00
20	5.1362E+01	5.2132E+00	5.2479E+00	1.3214E+01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9452E+04	5.0894E+02
1/2PP	3.9245E+03	1.1106E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.8984E+03	3.2830E+02	-7.8026E+03	6.6552E+03
02	-8.2552E+02	4.4156E+02	9.2163E+02	4.3902E+02
03	-5.6680E+02	3.1975E+02	3.9752E+02	-6.1684E+02
04	-4.8111E+02	-3.9514E+02	1.7032E+02	-9.6373E+02
05	-2.4889E+02	-6.2409E+02	-9.3473E+01	7.6056E+01
06	-1.7517E+02	1.0504E+02	3.4692E+01	3.5654E+01
07	-2.7926E+02	5.5425E+02	6.4512E+01	-1.2121E+02
08	-4.0695E+02	-2.0691E+02	-1.3221E+02	-5.1510E+01
09	-9.7464E+01	2.1001E+02	6.7003E-01	-1.7078E+01
10	-4.3921E+01	1.9551E+02	1.7969E+02	4.0646E+02
11	4.3794E+01	1.4742E+02	1.0604E+02	1.6344E+02
12	1.4851E+02	1.2552E+02	-1.0122E+00	-5.1946E+01
13	-7.4688E+01	2.2979E+02	-3.7740E+00	4.8369E+01
14	-2.4282E+01	-5.7075E+01	-2.0531E+01	-2.3848E+01
15	-3.1163E+01	-1.8885E+01	-2.7248E+01	-1.6043E+01
16	1.5571E+01	-8.7544E+00	-5.7730E+00	-4.1528E+00
17	-9.1710E+00	7.0604E+01	7.8276E+00	-2.6824E+01
18	-7.9786E+00	-1.8786E+01	-2.8416E+01	-1.6660E+00
19	6.3273E-01	1.0504E+01	-1.0214E+01	6.2808E+00
20	2.6275E+00	-1.1488E+01	1.3282E+00	-1.0299E+01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.3080E+04	-4.3109E+03
1/2PP	2.9205E+03	1.1787E+04

Nth	COSINE	SINE	COSINE	SINE
01	-5.9099E+02	-4.7009E+02	-6.4169E+03	7.9678E+03
02	-6.9608E+02	1.2679E+02	1.2674E+03	3.0228E+02
03	-1.2279E+03	5.4282E+02	-6.6162E+02	-7.4109E+02
04	-6.7385E+02	-5.7781E+02	4.1092E+02	-1.5608E+03
05	-3.0734E+02	-5.5459E+02	-8.3689E+02	-3.9124E+02
06	-1.9492E+02	7.6498E+01	-2.3739E+02	1.2379E+02
07	5.8920E+01	2.6416E+02	2.4487E+01	1.7212E+02
08	-7.1195E+01	2.9196E+01	-4.8837E+01	9.9430E-01
09	2.7138E+01	9.6071E+01	5.2222E+01	-4.7136E+01
10	9.6771E+01	2.7953E+01	2.7363E+02	6.3151E+02
11	1.7038E+02	2.5666E+01	1.7722E+02	3.2188E+02
12	-3.8481E+01	-5.7388E+01	-1.5690E+01	-1.1782E+02
13	6.5689E+01	-5.5108E+01	6.4952E+01	1.4235E+02
14	6.5282E+01	-1.6946E+01	-3.4333E+01	1.6693E+01
15	2.0048E+01	6.8954E+01	-5.1985E+01	-9.4041E+00
16	-4.4752E+01	4.0922E+01	-2.0409E+01	2.9386E+01
17	6.3133E+01	-1.3939E+02	2.3662E+01	6.1156E+01
18	2.9123E+01	7.7587E+01	2.5229E+01	-6.1082E+00
19	-3.6210E+01	7.3667E+00	4.6457E+00	-9.5242E+00
20	-3.6136E+01	-1.2916E+01	5.6565E+00	-2.4694E+01

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	5.1305E+03		-2.3728E+03	
1/2PP	3.5063E+03		9.9347E+03	
Nth	COSINE	SINE	COSINE	SINE
01	4.3097E+02	-1.9139E+03	-4.1841E+03	4.7174E+03
02	-1.3469E+03	-2.3418E+02	1.1851E+03	4.5252E+01
03	-1.2432E+03	5.1541E+02	-1.7958E+03	-8.4346E+02
04	-3.6421E+02	-1.7641E+02	5.3225E+02	-1.3735E+03
05	-5.2529E+01	6.0504E+00	-1.4111E+03	-7.2131E+02
06	6.8926E+01	4.3975E+01	-3.9313E+02	1.6264E+02
07	2.0152E+02	-2.6874E+02	-1.3613E+02	5.9473E+02
08	3.1451E+02	9.5947E+01	3.6083E+02	1.0358E+02
09	1.0743E+02	-1.0428E+02	8.9062E+01	-5.3059E+01
10	-5.6145E+01	-9.2991E+01	-4.3964E+01	-1.3840E+02
11	-1.1742E+02	-1.3427E+02	1.2215E+01	7.8104E+01
12	-5.2470E+01	-7.4716E+01	-1.1937E+01	-1.5618E+01
13	1.7765E+01	-9.4485E+01	8.9136E+01	1.1299E+02
14	-2.6722E+01	4.6727E+01	2.6998E+00	4.5002E+01
15	-2.9017E+00	-4.4546E+01	1.1870E+01	5.3574E+00
16	4.3826E+01	-1.8288E+01	-3.4608E+00	3.1195E+01
17	-3.9907E+01	1.1082E+02	-3.2531E+01	1.5924E+02
18	-3.6309E+01	-4.9102E+01	7.9720E+01	-1.9116E+01
19	3.0929E+01	-1.5036E+01	3.1675E+01	3.6170E+00
20	3.3523E+01	2.5244E+01	3.3763E+00	8.3490E+00

	Flat.Bending @64%R, in-lb		Edg.Bending @64%R, in-lb	
MEAN	-4.4235E+02		8.9412E+02	
1/2PP	4.2445E+03		6.5614E+03	
Nth	COSINE	SINE	COSINE	SINE
01	5.0927E+02	-1.7203E+03	-2.1047E+03	2.1090E+03
02	-2.4003E+03	-4.3812E+02	1.2268E+03	-2.6494E+02
03	-9.7687E+02	7.7668E+02	-1.9546E+03	-8.3574E+02
04	2.6531E+02	2.4489E+02	4.3140E+02	-7.5704E+02
05	1.1627E+02	3.5936E+02	-1.0823E+03	-6.2950E+02
06	9.9446E+01	6.0976E+00	-2.8040E+02	4.9656E+01
07	3.0221E+01	-1.1752E+02	-1.6753E+02	6.2775E+02
08	-5.3663E+01	-4.6453E+01	3.6767E+02	-3.6411E+00
09	-7.5198E+01	-6.8236E+01	-5.3423E+01	1.7115E+01
10	3.0688E+01	6.1339E+01	-2.9797E+02	-6.2947E+02
11	-1.3949E+00	1.2971E+02	-1.2205E+02	-1.6534E+02
12	5.7188E+01	1.3396E+02	5.1197E+01	1.0258E+02
13	-8.2429E+01	1.3802E+02	-4.8558E+01	-2.8325E+01
14	2.3351E+01	-2.9789E+01	2.4088E+01	-6.0562E+01
15	-1.6169E+01	2.0158E+01	9.3591E+00	1.5028E+01
16	-2.4133E+01	-6.1727E+00	1.3976E+01	-3.6071E+01
17	3.3437E+01	-5.3110E+01	-1.0990E+01	-5.8371E+01
18	2.4933E+01	2.5986E+01	-1.5029E+01	-6.6181E+00
19	-2.3733E+01	1.1861E+01	-1.8038E+01	9.7824E+00
20	-2.5750E+01	-1.9556E+01	-1.5060E+00	-4.4951E-01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.8099E+03	-4.7887E+03
1/2PP	4.1837E+03	3.1761E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.7208E+02	-5.2330E+02	-7.1757E+02	3.0135E+02
02	-2.5461E+03	-3.0545E+02	4.6280E+02	-2.3498E+02
03	-8.6241E+02	4.3037E+02	-1.1068E+03	-5.7229E+02
04	8.3645E+02	4.3246E+02	2.1618E+02	-2.1960E+02
05	3.6966E+02	1.4448E+02	-3.8872E+02	-1.7471E+02
06	-1.0194E+01	-2.2151E+02	-5.0245E+01	-6.3391E+01
07	-3.7025E+02	1.8552E+02	-2.3535E+02	3.2579E+02
08	-2.5125E+02	-1.4144E+01	1.0973E+02	-1.4057E+01
09	3.8481E+00	1.3543E+02	-1.0425E+02	1.2436E+02
10	-6.9728E+00	-1.3561E+01	-1.8203E+02	-4.8594E+02
11	1.1746E+00	-4.8339E+01	-6.1796E+01	-2.0205E+02
12	-3.8175E+01	-8.8120E+01	3.3071E+01	3.8583E+01
13	6.5841E+01	-8.6466E+01	-8.0121E+01	-1.4050E+02
14	-3.0474E+01	2.0122E+01	1.2346E+01	-6.5070E+01
15	-1.4172E+01	1.9313E+00	-8.8764E+00	3.8106E+01
16	2.5324E+01	3.0324E-01	1.3843E+01	-4.2877E+01
17	8.4918E+00	3.4183E+01	1.5776E+01	-1.4184E+02
18	-2.1850E+01	-5.4008E+00	-7.9569E+01	9.9962E+00
19	-6.9671E+00	-9.8692E+00	-3.0213E+01	1.0945E+01
20	2.1241E+01	3.5692E-02	1.6444E+01	-1.6271E+01

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.2984E+03	1.1889E+02
1/2PP	1.1211E+03	1.3128E+02

Nth	COSINE	SINE	COSINE	SINE
01	-1.8173E+01	-4.2042E+01	2.7750E+00	1.1758E+01
02	-1.4684E+01	1.2263E+01	-5.5551E+00	7.8355E+00
03	-4.2640E+01	1.1347E+01	3.0573E+00	-9.8674E-01
04	-9.7382E+02	3.5004E+02	9.9447E+01	-1.9281E+01
05	7.7973E+00	-7.5591E+00	1.5392E+00	-1.5671E+00
06	-5.3714E+01	1.6471E+01	5.6646E+00	-4.5171E+00
07	2.4252E+01	1.1418E+01	-3.0805E+00	-1.0863E+00
08	-1.7404E+01	2.1330E+01	1.1341E+01	-1.1487E+01
09	6.1705E+00	-1.2553E+00	2.1655E-01	1.2020E-01
10	6.7392E+00	-7.2262E+00	-2.6568E+00	4.6914E+00
11	-2.5024E+01	-2.1758E+01	3.7789E+00	5.5632E+00
12	-2.7267E+01	-1.4905E+02	-5.4104E+00	-1.9239E+00
13	1.6277E+01	8.3179E+00	-2.4644E+00	1.6988E+00
14	-9.6474E+00	-4.8898E-01	3.3029E-01	-2.7054E+00
15	-3.9357E-02	5.4338E+00	-1.2221E+00	1.1653E-01
16	8.8287E+00	1.2800E+01	-2.9621E+00	-5.1530E+00
17	4.7675E+00	2.4865E+00	2.8299E-01	-1.1339E-01
18	-6.7134E+00	-6.6713E+00	4.5567E-02	-3.1446E-01
19	3.2126E+00	3.1240E+00	-1.0201E-01	-6.1163E-01
20	3.5844E+00	4.2787E-01	1.6864E+00	2.9401E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-2.0849E+02		-5.3764E+01	
1/2PP	1.1050E+02		3.7182E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-5.8291E+00	1.6893E+00	1.2843E+02	1.5384E+02
02	1.2613E+01	-4.8432E+00	5.8206E+01	1.6895E+01
03	2.0446E+00	-3.4309E+00	-3.4997E+01	-1.1450E+00
04	3.2551E+00	-5.0610E+01	-7.4902E+01	4.0027E+01
05	-3.4457E+00	4.6546E+00	9.7305E-01	6.3121E+01
06	4.6838E+00	4.2381E+00	3.1577E+01	1.4716E+01
07	3.3890E-01	-2.1120E+00	-1.4288E+01	-1.7618E+01
08	-9.0704E+00	2.3900E+01	-8.5680E-02	3.6021E+00
09	-1.0972E+00	9.1308E-01	3.0122E+00	1.9187E+00
10	2.2463E+00	-4.5064E+00	-1.5835E+01	-9.7034E+00
11	3.6969E-01	-1.3258E+00	-1.6245E+01	-1.1013E+01
12	1.2235E+01	4.2056E+01	-6.2622E+00	8.5139E+00
13	-1.0298E+00	-6.2459E+00	-5.9463E+00	-1.0822E+01
14	1.9224E+00	3.9220E+00	-4.2451E+00	1.9631E+01
15	8.5785E-01	-2.8665E+00	2.0673E+00	-1.2525E+00
16	1.2840E+00	-3.3339E+00	-3.5527E-01	-4.6537E+00
17	-3.4348E-01	-7.7788E-01	-7.9087E-02	-2.3270E+00
18	1.1274E+00	1.4390E+00	6.8595E-01	-4.0026E-01
19	-3.7163E-01	-1.4001E-01	-1.3900E+00	5.2967E-01
20	-6.4222E-01	-3.9988E+00	-1.5031E+00	2.3612E+00

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.5457E+01		5.1910E+02	
1/2PP	4.7572E+00		1.3996E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.8994E+00	-4.2366E+00	1.1747E+02	1.4448E+03
02	4.1463E-01	6.3244E-01	2.0087E+02	-3.7401E+01
03	1.9775E-01	-7.9639E-02	6.5194E-02	1.1964E+02
04	-2.7034E-01	1.5312E-01	8.9788E+00	-3.5551E+01
05	1.5955E-01	1.7447E-01	3.6160E+01	-4.7845E+01
06	5.7160E-02	-3.3804E-02	-3.0970E+01	-4.4900E+01
07	-8.8883E-03	-1.2099E-01	8.7435E+00	-3.4293E+01
08	-4.3083E-02	1.9397E-02	-4.1043E+01	3.1771E+00
09	1.5922E-02	-5.4229E-03	-9.9315E+00	-3.0531E+00
10	-6.3488E-02	-9.4124E-02	2.3746E+01	1.4969E+01
11	-8.4601E-02	-1.0844E-01	-7.0627E+00	2.7062E+00
12	-1.6620E-02	1.9143E-02	1.2035E+01	1.1351E+01
13	-4.5447E-03	-5.8513E-02	-5.2893E+00	1.2250E+01
14	-1.2859E-02	2.9319E-02	-8.3681E+00	7.4193E+00
15	1.2136E-02	1.1258E-02	-1.2219E+01	4.6333E+00
16	-5.7956E-03	-7.7544E-03	-1.0386E+00	-1.1498E+01
17	-1.5683E-02	1.3917E-03	-3.1671E+00	2.4522E+00
18	-2.4877E-03	-4.8340E-03	-1.7479E+00	-3.5438E+00
19	7.2999E-03	-7.6810E-03	-2.6584E+00	-3.0379E+00
20	5.8820E-03	7.0395E-03	7.4255E+00	-3.5833E+00

	MR Shaft Torque, in-lb
MEAN	1.8040E+05
1/2PP	1.7893E+04

Nth	COSINE	SINE
01	1.0353E+03	-1.1913E+00
02	4.1509E+03	6.7752E+03
03	-4.7494E+02	4.5383E+02
04	5.2333E+02	1.0268E+04
05	-1.8746E+02	-2.9721E+02
06	-4.4167E+01	1.8380E+03
07	-2.4397E+01	3.1572E+02
08	1.4480E+03	5.0406E+02
09	-5.0437E+00	-1.0713E+02
10	3.1865E+02	4.8196E+02
11	-4.1163E+01	-5.8747E+01
12	-7.7033E+02	2.6422E+02
13	1.5186E+01	-1.3984E+02
14	-2.0605E+02	1.9367E+02
15	4.3860E+01	-1.2045E+02
16	1.4105E+02	2.3580E+02
17	-1.3412E+01	-1.6759E+02
18	-4.0008E+01	-1.2869E+02
19	2.9738E+01	-4.3518E+01
20	-5.7452E+01	5.5606E+01

Flight 503, Condition F

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	3.1668E+04	8.0813E+02
1/2PP	1.8959E+04	3.2275E+04

Nth	COSINE	SINE	COSINE	SINE
01	-4.0250E+03	9.8892E+02	-1.5635E+04	2.2477E+04
02	-6.2069E+03	-1.3260E+03	2.7737E+03	1.3535E+03
03	3.8255E+03	-5.6576E+03	4.1725E+03	-7.7315E+02
04	3.0780E+03	-1.5613E+03	4.6498E+02	8.1300E+02
05	1.2869E+03	6.4001E+02	2.3229E+03	-1.5004E+01
06	2.7480E+02	-3.2452E+02	6.1186E+02	-6.9837E+02
07	-3.3092E+01	-9.9825E+02	-2.3346E+02	-4.7113E+02
08	1.0228E+03	-3.5349E+01	-1.3099E+02	1.0153E+02
09	-2.5460E+02	-4.5173E+02	3.5444E+02	1.3338E+02
10	-1.7019E+01	-1.2031E+02	-7.4751E+02	-8.4829E+02
11	-1.4851E+02	-1.4197E+02	-4.7297E+02	-6.4412E+02
12	4.5545E+02	-3.5280E+01	2.7505E+01	-1.9674E+02
13	-5.1163E+02	1.3990E+02	-2.3928E+02	6.7908E+01
14	-2.2121E+02	-1.9091E+02	1.3827E+01	1.3765E+02
15	4.0282E+01	-1.0197E+02	1.1233E+02	-7.6555E+01
16	1.9458E+02	8.5266E+00	-1.2592E+02	-1.2023E+02
17	-3.6247E+02	-1.5311E+02	1.3987E+02	4.0343E+00
18	3.5568E+01	-1.6321E+02	-1.0602E+02	-1.7469E+02
19	6.1000E+01	3.8551E+01	-1.1778E+02	1.7721E+01
20	-3.2841E+01	9.2649E+01	8.4153E+01	-1.7933E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.1434E+04	3.7886E+03
1/2PP	4.3355E+03	1.5217E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.1489E+03	-2.6216E+01	-1.1223E+04	9.7034E+03
02	-1.5999E+03	6.0453E+02	7.8602E+02	9.2844E+02
03	4.3674E+02	-6.4825E+02	1.2424E+03	-1.2817E+03
04	5.0270E+01	-1.1535E+02	-6.8760E+01	-3.3487E+02
05	-3.8517E+02	-2.6123E+02	6.3875E+02	1.1442E+02
06	-1.7979E+02	3.1741E+01	2.4887E+02	-1.5087E+02
07	-2.2119E+02	6.9181E+02	-7.1656E+01	-1.2213E+02
08	-6.6647E+02	-3.8639E+01	-2.2679E+02	-1.5908E+01
09	-1.2840E+02	2.1236E+01	-4.9306E+00	1.7257E+01
10	8.7936E+01	8.3180E+01	-8.2273E+01	-6.6944E+01
11	3.0483E+00	2.6345E+02	-1.1302E+02	-1.2405E+02
12	-3.8239E+02	-8.6587E+01	-6.9721E+01	-1.1078E+02
13	3.8051E+02	-1.4514E+02	2.6378E+01	7.6215E+00
14	1.5881E+02	5.9211E+01	-1.9794E+01	7.0783E+01
15	-5.0308E+01	1.1562E+02	9.7191E+00	4.0955E+00
16	-1.7995E+02	4.0243E+01	-5.4630E+01	-8.3282E+01
17	3.7434E+02	1.4479E+02	2.1990E+01	2.6851E+01
18	-9.5853E+00	2.2226E+02	-1.7153E+01	3.9190E+01
19	-5.1564E+01	-2.4633E+01	-2.2615E+01	-2.1931E+00
20	3.7393E+01	-1.0257E+02	5.3123E+01	-3.8885E+01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9488E+04	1.0001E+03
1/2PP	4.7797E+03	1.2438E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.6138E+03	5.8837E+02	-7.2328E+03	8.5422E+03
02	-8.1413E+02	5.2483E+02	1.0975E+03	3.5793E+02
03	-4.8254E+02	5.9251E+02	2.1766E+02	-9.1582E+02
04	-8.6626E+02	1.1110E+02	-1.4939E+02	-1.2070E+03
05	-8.3336E+02	-5.5580E+02	-1.7072E+01	3.1171E+01
06	-3.4403E+02	1.7157E+02	6.0993E+01	4.4649E+01
07	-1.6380E+02	8.8726E+02	9.1410E+00	-1.7529E+02
08	-7.9972E+02	2.6984E+00	-1.1109E+02	8.3624E+01
09	-3.3721E+01	2.2886E+02	-1.8202E+02	-5.7508E+01
10	1.0586E+02	1.4838E+02	2.7095E+02	2.4950E+02
11	1.7689E+02	1.8605E+02	1.5977E+02	2.3224E+02
12	-3.0001E+02	1.0362E+01	-3.5027E+01	2.8799E+01
13	3.6771E+02	-1.2101E+02	5.8671E+01	-3.5812E+01
14	2.8738E+01	-6.3886E+01	-4.5607E+00	-2.7949E+01
15	-4.6471E+01	4.8241E+01	-3.7597E+01	3.5954E+01
16	-3.1263E+01	3.3336E+01	9.3734E+00	1.3246E+01
17	9.4091E+01	2.0004E+01	-6.5095E+01	-1.5559E+01
18	1.2568E+01	5.0112E+01	5.1941E+01	7.9046E+01
19	-3.6070E+00	-1.0884E+01	3.7580E+01	-1.2973E+01
20	5.3084E+00	-4.9667E+00	-4.3271E+01	1.8299E+01

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.3111E+04		-3.9591E+03	
1/2PP	3.8965E+03		1.3477E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-5.3297E+02	-4.1211E+02	-5.3554E+03	9.4897E+03
02	-8.1430E+02	4.2065E+02	1.5364E+03	-6.2898E+01
03	-1.0650E+03	1.1278E+03	-9.1224E+02	-7.5663E+02
04	-1.0973E+03	1.0162E+02	-1.4357E+01	-2.1107E+03
05	-7.8776E+02	-5.2746E+02	-1.0609E+03	-3.0910E+02
06	-3.0862E+02	2.1429E+02	-2.8294E+02	2.8218E+02
07	8.7398E+01	3.1799E+02	8.9477E+01	1.7873E+02
08	-9.0921E+01	1.2281E+02	1.8989E+01	1.0132E+02
09	8.3644E+01	1.7923E+02	-1.6412E+02	-1.4509E+02
10	-2.8832E+00	3.3287E+01	3.6640E+02	3.7304E+02
11	1.2108E+02	-1.4552E+02	3.3099E+02	4.7234E+02
12	2.2092E+02	1.0957E+02	-1.3871E+01	2.0838E+02
13	-1.6426E+02	4.3212E+01	9.8884E+01	-1.0543E+02
14	-1.3289E+02	-1.0050E+02	5.6514E+01	-9.9618E+01
15	3.2284E+01	-8.1902E+01	-4.9660E+01	3.4442E+01
16	1.6385E+02	1.1816E+01	5.8592E+01	1.7239E+02
17	-3.1609E+02	-1.1458E+02	1.2526E+02	-7.0079E+00
18	-1.8621E+00	-1.9655E+02	-7.1729E+00	-2.5374E+01
19	4.1356E+01	1.5918E+01	-1.3335E+00	2.2625E+00
20	-3.3926E+01	8.7106E+01	-4.6594E+01	2.5140E+01

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	5.0548E+03		-2.1018E+03	
1/2PP	3.9987E+03		1.0977E+04	
Nth	COSINE	SINE	COSINE	SINE
01	2.3902E+02	-1.9749E+03	-3.5638E+03	5.7137E+03
02	-1.6352E+03	2.0446E+02	1.3610E+03	-4.2005E+02
03	-1.0479E+03	9.6012E+02	-2.3147E+03	-4.1351E+02
04	-4.4394E+02	-1.6768E+01	2.1707E+02	-1.9712E+03
05	-1.0740E+02	-8.3111E+01	-1.9084E+03	-5.4592E+02
06	8.6036E+01	-3.8377E+01	-5.2851E+02	4.3060E+02
07	2.1419E+02	-4.9771E+02	1.3405E+02	7.4296E+02
08	5.8363E+02	-4.1729E+01	3.5061E+02	-1.3884E+02
09	1.2723E+02	-2.4164E+02	1.6339E+02	-1.5445E+02
10	2.8189E+01	-1.0259E+02	-1.3583E+02	-6.4550E+01
11	-1.3246E+02	-2.0957E+01	3.2740E+01	2.4362E+01
12	7.3610E+01	-5.7114E+01	3.1279E+01	1.8936E+02
13	-9.4842E+01	5.4604E+01	6.0922E+01	-4.7140E+01
14	7.9978E+01	7.8702E+01	9.0365E+01	-2.1058E+01
15	1.1515E+01	5.1171E+01	1.1674E+01	-4.6816E+01
16	-1.1407E+02	-7.6532E+00	5.9714E+00	1.3611E+02
17	2.1566E+02	9.2410E+01	3.1496E+02	1.1449E+02
18	7.1636E+00	1.5525E+02	-1.0845E+02	-1.5927E+02
19	-2.7254E+01	1.3953E+01	-9.4821E+01	-1.4175E+00
20	4.3757E+00	-5.6330E+01	9.5678E+01	-3.5596E+01

	Flat.Bending @64%R, in-lb		Edg.Bending @64%R, in-lb	
MEAN	-4.9236E+02		1.2102E+03	
1/2PP	4.2701E+03		7.3690E+03	
Nth	COSINE	SINE	COSINE	SINE
01	4.5145E+02	-1.8254E+03	-1.9999E+03	2.8135E+03
02	-2.7884E+03	1.2712E+02	1.2119E+03	-7.4330E+02
03	-6.6068E+02	8.9403E+02	-2.5323E+03	-3.1458E+02
04	4.1548E+02	6.3205E+00	3.5977E+02	-1.2754E+03
05	3.7916E+02	3.4475E+02	-1.5975E+03	-5.1143E+02
06	1.5305E+02	1.7959E+00	-3.9470E+02	2.5267E+02
07	-2.4531E+01	-1.8879E+02	8.3208E+01	7.7624E+02
08	-4.5223E+01	-2.7941E+01	1.9847E+02	-2.8268E+02
09	-1.7835E+02	-1.5325E+01	2.4107E+02	7.9613E+01
10	-4.3046E+01	1.7840E+01	-3.7407E+02	-3.1464E+02
11	1.6617E+01	1.3218E+02	-1.3937E+02	-3.6625E+02
12	-2.6767E+02	-2.6555E+01	-2.5376E+01	-9.4070E+01
13	2.2378E+02	-5.2060E+01	4.3410E+01	-6.3065E+00
14	-7.9441E+00	-6.6722E+01	-5.6519E+01	1.7839E+01
15	-1.3586E+01	-1.3161E+01	2.0160E+01	-1.1118E+01
16	4.9024E+01	2.4394E+01	-2.9138E+01	-9.1591E+01
17	-9.8817E+01	-6.8783E+01	-1.2412E+02	-3.4161E+01
18	1.0882E+01	-1.0107E+02	2.7056E+01	3.1171E+01
19	2.0077E+01	-1.1574E+01	2.1414E+01	3.8797E+00
20	-9.1611E+00	3.9917E+01	1.5653E+01	1.4496E+01

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-4.8593E+03		-4.8399E+03	
1/2PP	4.4910E+03		3.6614E+03	
Nth	COSINE	SINE	COSINE	SINE
01	4.1953E+01	-5.4120E+02	-6.8795E+02	5.9352E+02
02	-2.8943E+03	2.5052E+02	4.4869E+02	-3.8874E+02
03	-7.1045E+02	4.4903E+02	-1.3979E+03	-2.7339E+02
04	1.0736E+03	-3.0430E+00	3.0452E+02	-5.1819E+02
05	6.0280E+02	1.7948E+02	-5.1114E+02	-1.9205E+02
06	-2.4758E+01	-1.9472E+02	-1.3427E+02	-4.2766E+01
07	-2.9684E+02	4.4245E+02	-1.3488E+02	5.0682E+02
08	-4.1705E+02	9.0645E+01	-6.4470E+01	-1.6016E+02
09	8.1027E+01	1.6143E+02	1.7437E+02	2.5052E+02
10	5.2160E+01	4.5142E+01	-2.1367E+02	-2.7142E+02
11	3.3355E+01	-8.4418E+01	-7.4765E+01	-4.5979E+02
12	2.0240E+02	3.0800E+01	1.2321E+01	-2.0640E+02
13	-1.3410E+02	1.7498E+01	-1.1945E+02	3.1878E+01
14	3.6152E+00	2.8307E+01	-1.5806E+02	6.5782E+01
15	3.8237E+00	1.7190E+01	1.7803E+01	3.8361E+01
16	-2.1939E+01	1.0088E+00	-2.6750E+01	-1.8611E+02
17	4.9725E+01	6.2386E+00	-3.3392E+02	-1.0062E+02
18	1.0764E+01	3.9681E+01	1.0676E+02	1.9731E+02
19	-6.2295E+00	2.2699E+01	9.7657E+01	2.5275E+00
20	-6.8470E-01	-9.0809E+00	-9.6382E+01	2.6964E+01

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.5598E+03	1.6429E+02
1/2PP	1.6874E+03	1.8898E+02

Nth	COSINE	SINE	COSINE	SINE
01	3.3096E+00	-4.4419E+01	1.2358E+00	1.5402E+01
02	-5.5827E+01	3.7240E+01	-3.7580E+00	8.9004E+00
03	4.0157E+00	-1.4407E+00	-2.1496E+00	3.2514E+00
04	-1.0527E+03	1.2474E+03	9.6008E+01	-1.1105E+02
05	-5.8926E+01	7.0761E+00	4.9493E+00	-2.3682E+00
06	-3.1263E+01	2.6794E+01	3.0447E-01	-9.5682E+00
07	1.7816E+01	3.3431E+01	-2.5379E+00	-3.5841E+00
08	1.4726E+02	-6.6805E+01	1.2354E+00	-1.7433E+00
09	-6.2617E-01	2.1985E+01	1.2875E+00	-1.4224E+00
10	-9.6536E+00	-2.0734E+01	6.8110E-01	8.6126E+00
11	7.1036E+00	3.3655E+01	3.1514E+00	-5.6665E+00
12	-7.5559E+01	-2.9121E+02	-8.3273E-01	3.7554E+01
13	1.1312E+01	-1.9510E+01	-1.9689E+00	3.5223E+00
14	-3.9599E+00	9.0350E+00	-2.9494E+00	-2.6713E+00
15	3.8745E+00	4.5791E+00	5.9721E-01	7.7272E-01
16	1.9494E+01	2.8090E+00	-1.6493E+01	-7.4133E+00
17	4.2726E+00	-3.6409E+00	-9.7626E-01	-2.1953E+00
18	-1.1509E+00	2.0145E+00	1.4433E+00	1.4497E+00
19	-1.1343E+00	4.7074E+00	-9.2049E-01	-1.0938E+00
20	3.3608E+01	2.6208E+00	1.0540E+01	2.8973E+00

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	-2.3149E+02	-7.7084E+01
1/2PP	1.7976E+02	4.6754E+02

Nth	COSINE	SINE	COSINE	SINE
01	-1.0150E+01	6.7705E-01	1.5485E+02	1.7906E+02
02	1.4221E+01	-8.8571E+00	7.7378E+01	3.0612E+01
03	-1.8035E+00	-3.1654E+00	-4.9097E+01	4.3342E+01
04	2.3857E+01	-1.0966E+02	-7.2085E+01	1.0240E+02
05	3.5716E+00	1.8718E+00	3.0756E+01	7.9926E+01
06	9.9755E+00	6.2881E+00	6.2155E+01	-4.4125E+00
07	-3.3862E+00	-6.3197E+00	-1.0699E+01	-7.2639E+00
08	-2.3736E+00	2.8053E+01	6.2766E+00	2.7804E+00
09	-1.0210E-01	-8.1351E-01	1.2925E+00	-9.0568E+00
10	1.5627E+00	-4.9501E+00	-2.1284E+01	2.1528E+00
11	-4.6010E+00	1.3396E+00	-2.8174E+01	2.9896E+00
12	3.9193E+01	1.7359E+01	1.8985E+00	1.5907E+00
13	-1.1274E+00	1.8747E+00	-2.1909E+01	1.3100E+01
14	3.5972E+00	-1.1489E+00	3.1314E+01	3.8020E+01
15	1.3189E-01	-6.1133E-01	4.8097E+00	8.0284E-01
16	-2.9812E+00	-2.0208E-01	-8.4058E+00	-5.3625E+00
17	7.0611E-01	2.2740E-01	-4.0795E+00	-9.0302E-01
18	-9.0892E-01	-1.4513E+00	-2.9038E+00	-6.9251E+00
19	1.4040E+00	6.7367E-01	-3.3215E-01	1.4364E-01
20	-1.4951E+01	-3.9134E+00	-2.4806E+00	1.1320E-01

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.5811E+01	5.2066E+02
1/2PP	5.4610E+00	1.3954E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.5548E+00	-4.9249E+00	4.2514E+02	1.4028E+03
02	6.7247E-01	5.4751E-01	2.2227E+02	-9.2601E+01
03	2.0068E-01	-4.1291E-02	9.9088E+01	1.1837E+02
04	-2.6993E-01	3.5490E-01	2.2841E+01	-5.3515E+01
05	2.5675E-01	2.3478E-01	3.8627E+01	-4.8553E+01
06	9.8783E-02	-6.0241E-02	-1.6258E+01	-1.3789E+01
07	-4.7797E-02	-1.0612E-01	-1.8166E+01	-3.7829E+01
08	-1.2380E-02	3.6940E-03	-2.8513E+01	5.2654E+01
09	9.6558E-03	-1.4472E-02	-2.2427E+01	2.1124E+01
10	-6.6273E-02	-4.1968E-02	1.2488E+01	-5.2431E+00
11	-1.1429E-01	-4.1275E-02	1.5596E+01	2.7780E+01
12	-1.8532E-02	-6.5391E-02	-1.8095E+01	3.1044E+00
13	-8.0781E-02	1.4746E-02	3.7622E+00	-5.6056E+00
14	2.6413E-02	4.8009E-02	3.9189E+00	-1.1012E+01
15	2.4485E-02	-1.3187E-02	-2.9734E-01	8.1592E+00
16	-3.0176E-02	-1.2246E-02	-1.7235E+01	-3.2649E+00
17	1.5280E-02	2.0043E-02	-2.8240E+00	-4.2769E+00
18	-3.6455E-03	-1.3336E-04	9.2075E+00	8.4320E+00
19	-1.3518E-02	-2.8694E-03	-6.1839E-01	7.9265E-01
20	8.4924E-03	5.1589E-03	-9.3056E+00	3.2070E+00

	MR Shaft Torque, in-lb
MEAN	1.8727E+05
1/2PP	1.8608E+04

Nth	COSINE	SINE
01	8.8599E+02	-6.2626E+02
02	6.2394E+03	6.3077E+03
03	-5.4916E+02	6.1084E+02
04	4.7506E+03	1.0480E+04
05	-3.8621E+02	7.2154E+01
06	6.8594E+02	1.8543E+03
07	1.4600E+02	2.8024E+02
08	1.7495E+03	-8.9442E+02
09	4.1726E+01	-1.3143E+02
10	3.8895E+02	8.1073E+02
11	2.5980E+01	6.5588E+01
12	5.4112E+02	-8.0458E+01
13	4.2517E+01	3.1713E+00
14	-2.5501E+02	1.6182E+02
15	-5.2110E+01	1.6642E+01
16	1.7034E+02	3.6729E+01
17	6.4926E+01	3.1886E+01
18	-5.1412E+02	4.1397E+01
19	-2.8437E+01	3.5975E+01
20	-4.3890E+01	1.6524E+02

Flight 503, Condition G

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	3.2287E+04	7.0371E+03
1/2PP	2.2933E+04	3.8042E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.1414E+03	1.9017E+03	-1.5051E+04	2.7854E+04
02	-8.9083E+03	-2.4225E+03	3.4046E+03	1.0568E+03
03	3.6818E+03	-7.7263E+03	4.5962E+03	-1.9584E+03
04	3.1307E+03	-2.7950E+03	5.8604E+02	3.6139E+02
05	1.6809E+03	5.6413E+02	2.1834E+03	-6.2729E+02
06	5.8979E+02	-4.6371E+02	7.4726E+02	-1.1052E+03
07	2.5616E+02	-1.0809E+03	-4.6347E+02	-4.8884E+02
08	1.0868E+03	-2.2776E+02	-1.0655E+02	8.2799E+01
09	-5.2892E+01	-5.5283E+02	7.2550E+02	2.4564E+01
10	2.1249E+02	1.9219E+02	-3.2556E+02	-7.6906E+02
11	-1.8182E+02	9.5192E+01	-9.1032E+02	-5.0362E+02
12	3.0144E+02	-1.0403E+03	-3.8611E+00	2.1294E+02
13	-9.2146E+01	4.0904E+02	-1.7325E+02	3.0861E+02
14	-2.3643E+02	-1.0448E+02	2.5212E+02	1.6852E+02
15	-9.3107E+01	-9.5214E+01	1.0541E+02	-1.0427E+02
16	7.8917E+01	-4.8434E+01	-1.7171E+02	-1.1369E+01
17	-4.4802E+02	2.2102E+02	7.8888E+01	-1.9341E+02
18	-1.5361E+02	-2.6624E+02	-4.1695E+02	-1.8323E+02
19	4.2811E+01	-1.3280E+02	-1.2000E+02	-6.7749E+01
20	1.1358E+02	1.6100E+00	6.7978E+01	3.4803E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.1346E+04	7.1600E+03
1/2PP	4.3279E+03	1.8623E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.4876E+02	2.2450E+01	-1.1863E+04	1.3463E+04
02	-1.9553E+03	5.4377E+02	1.0827E+03	1.1181E+03
03	4.3404E+02	-9.3612E+02	1.0463E+03	-1.6441E+03
04	-1.2081E+01	-1.5255E+02	-1.2745E+02	-3.0750E+02
05	-5.2928E+02	-2.2698E+02	5.8389E+02	1.2003E+01
06	-3.1453E+02	1.5870E+02	2.8174E+02	-1.4126E+02
07	-3.4050E+02	7.8155E+02	-9.5710E+01	-1.1692E+02
08	-7.7715E+02	7.2804E+01	-2.2511E+02	9.1281E+01
09	-3.1501E+02	2.2625E+01	2.5186E+01	5.7064E+00
10	2.3343E+01	-5.9495E+01	6.5725E+00	-9.5903E+01
11	1.2261E+02	1.9501E+02	-1.9031E+02	-4.0324E+01
12	-3.7002E+02	5.9358E+02	-1.3040E+02	1.0586E+02
13	6.4440E+00	-3.8351E+02	-3.3100E+01	5.3021E+00
14	1.1758E+02	-4.3027E+01	7.1585E+01	6.6116E+00
15	7.2770E+01	1.1068E+02	-2.1588E+00	-1.4460E+01
16	-8.1926E+00	8.5649E+01	-8.9978E+01	-3.8061E+01
17	4.6002E+02	-2.5550E+02	2.7963E+01	-1.0559E+01
18	2.6109E+02	3.0272E+02	1.5726E+01	6.8037E+01
19	9.8802E+00	1.1745E+02	-3.5923E+01	3.4202E+01
20	-7.2030E+01	-8.0928E-01	-8.9225E+00	2.1293E+00

	Flat.Bending @19.54%R, in-lb		Edg.Bending @19.54%R, in-lb	
MEAN	1.9771E+04		3.2099E+03	
1/2PP	5.3523E+03		1.5093E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-8.2567E+02	9.3586E+02	-7.4753E+03	1.1087E+04
02	-8.5015E+02	6.2460E+02	1.2746E+03	3.2711E+02
03	-5.0041E+02	7.8366E+02	6.6680E+01	-1.1757E+03
04	-1.0177E+03	4.2466E+02	-4.6917E+02	-1.2950E+03
05	-1.1343E+03	-4.7624E+02	4.9245E+01	9.7716E+01
06	-5.6654E+02	4.0833E+02	1.3252E+02	4.4503E+01
07	-3.4401E+02	1.0206E+03	7.1097E+01	-2.1746E+02
08	-8.4253E+02	1.6081E+02	-1.4959E+01	3.0968E+01
09	-1.9826E+02	2.8505E+02	-2.9795E+02	-2.7093E+00
10	7.5541E+01	3.8127E+01	1.1118E+02	2.1098E+02
11	3.3342E+02	6.5372E+01	3.4118E+02	1.5208E+02
12	-1.1098E+02	6.4860E+02	-6.3827E+01	-3.2338E+01
13	8.5334E+01	-3.5136E+02	1.8015E+00	-9.7847E+01
14	-4.5957E+01	-1.2517E+02	-8.1240E+01	-4.9648E+01
15	6.4300E+00	7.0910E+01	-4.0345E+01	4.1100E+01
16	1.2412E+01	5.4555E+01	-8.4526E+00	2.0114E+01
17	7.9754E+01	-5.0747E+01	-3.2762E+01	7.7057E+01
18	7.1976E+01	7.5060E+01	1.9400E+02	5.0078E+01
19	2.7979E+01	-7.7458E+00	6.2426E+01	3.7373E+01
20	4.0448E+01	-7.1364E+00	-1.6168E+01	-7.5206E+00

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.3329E+04		-2.3327E+03	
1/2PP	4.9602E+03		1.5498E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-1.2254E+02	-3.0989E+02	-5.0097E+03	1.1354E+04
02	-7.5122E+02	6.2968E+02	1.5366E+03	-3.9924E+02
03	-1.0931E+03	1.5187E+03	-1.0720E+03	-9.2292E+02
04	-1.2992E+03	4.9352E+02	-6.0780E+02	-2.4121E+03
05	-1.0330E+03	-4.5803E+02	-1.0173E+03	-4.3252E+00
06	-4.1413E+02	4.3380E+02	-2.6272E+02	3.6263E+02
07	1.0887E+01	4.3031E+02	1.4043E+02	1.5242E+02
08	-4.2301E+00	1.6422E+02	7.0891E+01	-8.7027E+01
09	1.7538E+02	2.5040E+02	-3.5927E+02	-7.2176E+01
10	6.4265E+01	1.1947E+02	1.2374E+02	3.4202E+02
11	1.3596E+02	-1.3328E+02	6.6803E+02	2.9300E+02
12	3.6005E+02	-2.0441E+02	7.4500E+01	-5.0428E+01
13	3.2479E+01	1.6232E+02	4.8588E+01	-1.6962E+02
14	-1.6114E+02	-1.4262E+01	-8.4463E+01	-5.7461E+01
15	-7.5367E+01	-8.6711E+01	2.4287E+01	8.9922E+01
16	4.3221E+01	-6.7825E+01	1.8761E+02	8.2175E+01
17	-3.5899E+02	2.0185E+02	1.1365E+02	-1.0244E+02
18	-2.2307E+02	-2.4131E+02	-6.7931E+01	-5.4916E+01
19	-1.7660E+01	-9.1119E+01	1.3901E+01	-2.6835E+01
20	5.4356E+01	-9.6609E-02	-3.2918E+01	-1.7466E+01

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	5.0679E+03	-1.1616E+03
1/2PP	4.3754E+03	1.1939E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.7504E+02	-1.9916E+03	-3.1047E+03	6.9794E+03
02	-1.7517E+03	6.3269E+02	1.2869E+03	-8.6910E+02
03	-1.0020E+03	1.3811E+03	-2.6019E+03	-1.6196E+02
04	-4.4120E+02	1.5972E+02	-2.7551E+02	-2.3282E+03
05	-9.9011E+01	1.1620E+01	-1.9869E+03	-7.7438E+01
06	1.2569E+02	-1.2157E+02	-5.5591E+02	5.5804E+02
07	3.2536E+02	-5.8685E+02	1.9684E+02	7.9346E+02
08	6.0512E+02	-7.7788E+01	1.7392E+02	-2.5304E+02
09	1.4319E+02	-2.9424E+02	1.8787E+02	-1.1191E+02
10	2.1097E+01	-1.2778E+02	-3.5608E+01	-2.3055E+01
11	-2.3139E+02	-1.5930E+00	1.0463E+02	9.6920E+01
12	-1.1032E+02	-3.2210E+02	1.7634E+02	6.9031E+01
13	-5.2697E+01	8.6795E+01	8.3505E+01	3.7235E+01
14	1.1289E+02	3.8534E+01	9.6368E+01	1.4942E+01
15	4.1124E+01	2.7429E+01	9.5248E+01	2.4883E+01
16	-2.9316E+01	2.6947E+01	2.1230E+02	1.6630E+01
17	2.4769E+02	-1.3060E+02	3.1178E+02	-2.4167E+02
18	1.5578E+02	1.5855E+02	-4.3517E+02	-1.1638E+02
19	2.3977E+01	5.4165E+01	-1.2079E+02	-6.5398E+01
20	-1.6704E+01	-4.2600E+00	-1.3296E+01	9.0835E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-5.0258E+02	1.2111E+04
1/2PP	4.7093E+03	8.1620E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.9810E+02	-1.9443E+03	-1.4000E+03	2.1871E+03
02	-3.0171E+03	5.9241E+02	2.2187E+03	-1.1722E+03
03	-4.2155E+02	9.0056E+02	-3.0107E+03	2.0599E+02
04	5.4080E+02	-1.8648E+02	3.5989E+01	-1.6220E+03
05	5.2365E+02	2.4378E+02	-1.8117E+03	-3.7466E+01
06	2.2177E+02	-1.2423E+02	-3.8393E+02	2.8182E+02
07	-1.0980E+01	-2.6925E+02	-4.8521E+01	9.6315E+02
08	-3.4006E+01	-7.6203E+01	-7.9908E+01	-2.2431E+02
09	-1.9782E+02	1.1082E+01	4.6793E+02	6.4071E+01
10	-4.8230E+01	1.2398E+01	-6.4441E+01	-3.5004E+02
11	8.6036E+01	9.0266E+01	-4.0293E+02	-2.3801E+02
12	-2.0344E+02	4.9475E+02	9.9364E+01	1.5359E+02
13	6.3621E+01	-1.9537E+02	1.3969E+01	2.9726E+00
14	-5.8760E+01	-3.0006E+01	1.0334E+01	-6.0880E+01
15	-1.4412E+01	1.5975E+01	-2.5004E+01	3.3345E+01
16	2.5979E+01	1.4087E+01	-1.5522E+02	-2.4177E+01
17	-1.3043E+02	3.7838E+01	-1.3628E+02	9.4201E+01
18	-8.1384E+01	-1.0408E+02	1.3460E+02	5.8915E+01
19	-1.2098E+01	-4.6862E+01	7.2286E+01	5.5918E+01
20	5.9834E+00	1.6452E+01	6.5297E+01	-3.7638E+00

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-4.9536E+03		-4.7188E+03	
1/2PP	4.3279E+03		4.1004E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.2058E+02	-5.7742E+02	-5.6416E+02	9.7366E+02
02	-3.2240E+03	5.5762E+02	3.3554E+02	-4.9920E+02
03	-5.1965E+02	2.1492E+02	-1.5619E+03	-2.1411E+01
04	1.1452E+03	-3.5346E+02	2.9941E+02	-6.7202E+02
05	6.2977E+02	1.6062E+02	-5.2913E+02	-7.7985E+01
06	-7.1427E+01	-7.1557E+01	-2.6666E+02	2.8689E+01
07	-3.2645E+02	5.5369E+02	-1.9178E+02	6.8675E+02
08	-4.2039E+02	1.1115E+02	-2.1767E+02	-2.6417E+01
09	5.3935E+01	1.4175E+02	3.8443E+02	2.7980E+02
10	3.4055E+01	4.0885E+01	6.5198E+01	-2.4968E+02
11	3.4289E+01	-4.3447E+01	-3.2325E+02	-3.7653E+02
12	1.8109E+02	-2.9833E+02	-6.6655E+01	-6.4254E+01
13	-1.7363E+01	1.2181E+02	-1.3644E+02	4.7189E+01
14	2.4869E+01	-1.3717E+01	-6.1495E+01	4.0211E+01
15	2.9864E+00	-1.0818E+01	-5.5573E+01	-9.8577E+00
16	-1.3999E+01	1.0724E+00	-2.5234E+02	-5.9673E+01
17	4.6542E+01	-1.8125E+01	-3.0559E+02	2.5496E+02
18	4.3087E+01	3.7034E+01	4.7980E+02	1.3231E+02
19	2.3997E+01	2.7623E+01	1.4116E+02	1.1414E+02
20	6.8056E+00	-7.0372E+00	1.5251E+01	-1.2265E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-2.0577E+03		2.5176E+02	
1/2PP	2.6311E+03		2.7061E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-2.0081E+01	-4.7321E+01	3.5161E+00	1.4867E+01
02	-2.9810E+01	3.1994E+01	-5.8894E+00	9.2378E+00
03	-1.8240E+00	4.9850E+01	4.3070E+00	-1.4157E+00
04	-5.9432E+02	1.9127E+03	3.5225E+01	-1.9572E+02
05	2.8360E+01	-1.2855E+01	-3.5614E+00	-4.0243E+00
06	-2.0604E+01	2.9139E+01	-3.1446E+00	-1.2488E+01
07	6.9384E+01	9.9807E+00	-1.0207E+01	-2.2988E+00
08	2.3104E+02	-3.8258E+02	8.9538E-02	1.1777E+01
09	2.2355E+01	1.9183E+01	-1.2012E+00	-5.4253E+00
10	-6.5594E+01	-1.2106E+00	9.9349E+00	2.9583E+00
11	-5.3298E+00	-3.0966E+01	-1.8618E+00	2.5794E+00
12	-4.8131E+02	-5.1445E+02	4.3762E+01	3.3597E+01
13	2.5369E+01	-1.0540E+01	1.6370E+00	5.3686E+00
14	-9.1861E+00	-7.0841E+00	-7.3431E-01	1.0667E+00
15	4.2712E+00	1.0179E+01	-1.0063E+00	-2.4186E+00
16	2.4703E+01	2.2763E+01	-2.8482E+01	7.8495E+00
17	1.0955E+01	-4.7624E+00	-8.9342E-01	-1.0182E+00
18	-9.8123E+00	1.6466E+00	-4.3137E-01	9.6097E-02
19	1.4075E+01	-2.8724E+00	-2.0477E+00	1.6163E+00
20	2.8703E+01	-6.4756E+01	1.2372E+01	-3.2805E+00

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	-2.7307E+02	-1.2184E+02
1/2PP	2.8572E+02	6.0515E+02

Nth	COSINE	SINE	COSINE	SINE
01	-9.5654E+00	3.1274E+00	1.8023E+02	2.4638E+02
02	1.4748E+01	-1.0738E+01	1.0361E+02	5.5084E+01
03	-2.7899E+00	-7.9949E+00	-5.8495E+01	9.6828E+01
04	3.8349E+01	-1.6502E+02	-3.8036E+01	1.4319E+02
05	-3.6598E+00	1.1104E+01	6.4378E+01	6.7510E+01
06	1.4890E+01	5.3998E+00	7.1323E+01	-4.3690E+01
07	-2.4248E+00	-5.6735E+00	-4.1422E+00	-3.1774E+01
08	-1.5910E+01	4.5254E+01	2.3674E+00	-1.8248E+01
09	2.0946E+00	7.9564E-01	-1.4878E+01	-2.6854E+01
10	4.6144E+00	-3.3621E+00	-6.2334E+01	-9.3186E+00
11	5.4222E+00	2.0913E+00	-5.1669E+01	1.7994E-01
12	7.7425E+01	7.1301E+01	-8.9757E+00	2.8488E+00
13	-1.0004E+01	3.5525E+00	-1.2682E+01	2.4455E+01
14	2.3682E+00	1.6497E+00	4.7809E+01	3.7888E+01
15	6.3363E-01	1.1257E+00	1.8803E+00	-4.6537E+00
16	-6.2212E+00	2.4903E+00	-1.1630E+01	-2.3220E+00
17	-1.4174E+00	-3.7564E+00	-2.5500E+00	4.0580E+00
18	-1.2471E-02	1.0860E+00	-1.0112E+01	-9.3294E+00
19	-9.3237E-01	-8.6891E-01	-4.8263E+00	2.0561E+00
20	-2.0163E+01	1.1176E+01	-5.4664E+00	2.0679E+00

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.7284E+01	5.1833E+02
1/2PP	6.4323E+00	1.4667E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.5004E+00	-5.8111E+00	7.1843E+02	1.3441E+03
02	9.6222E-01	6.2852E-01	2.1055E+02	-1.7582E+02
03	2.3626E-01	-4.4082E-02	1.7559E+02	3.6920E+01
04	-1.4961E-01	4.8207E-01	-1.6310E+01	-1.1682E+02
05	3.5391E-01	1.4264E-01	4.4635E+01	-6.8612E+01
06	1.6557E-01	-1.6976E-01	-5.1601E+00	-5.2648E+01
07	-5.0891E-02	-1.8884E-01	-3.3990E+01	-4.2446E+01
08	1.7754E-02	-5.3570E-02	7.7718E-01	1.4860E+01
09	-2.1802E-03	-9.2103E-02	-2.9206E+01	2.7664E+01
10	-8.4307E-02	-6.1045E-02	-6.4336E+00	-7.4797E+00
11	-2.2285E-01	-4.9066E-02	2.6292E+01	2.4251E-02
12	-9.3370E-02	-4.0671E-02	1.2957E+00	4.2800E+01
13	-8.6050E-02	4.6291E-02	-5.7995E+00	-1.3693E+01
14	5.1736E-02	5.6109E-02	-1.5878E+01	-2.9093E+00
15	1.9225E-02	-1.7014E-02	2.7510E+00	4.6902E+00
16	-1.5274E-02	-2.3066E-03	-2.3833E+01	2.1669E+01
17	2.6035E-02	3.3723E-03	2.1042E+00	-1.2034E+00
18	1.9997E-03	-5.8004E-03	3.4159E+01	-1.2975E+00
19	-1.5886E-02	-3.2999E-03	1.7852E+01	5.2205E+00
20	7.3551E-03	1.2871E-02	1.3280E+01	2.0995E+00

	MR Shaft Torque, in-lb
MEAN	2.2286E+05
1/2PP	1.8482E+04

Nth	COSINE	SINE
01	3.5296E+01	-7.2056E+02
02	8.4422E+03	5.8219E+03
03	-1.8799E+01	6.5495E+02
04	7.6591E+03	8.9008E+03
05	-2.5191E+02	-6.2511E+01
06	-2.1178E+02	1.8450E+03
07	2.6381E+02	2.3045E+02
08	9.9310E+02	-6.1906E+02
09	-8.9591E+01	-2.1834E+02
10	-4.9964E+01	9.2108E+02
11	-4.8867E+01	-2.5601E+01
12	6.1411E+01	-7.4708E+02
13	-3.1346E+01	-1.3005E+01
14	-2.5847E+02	5.8288E+02
15	4.2054E+01	-4.6264E+01
16	2.0631E+02	-2.3357E+02
17	-4.3112E+01	-1.9168E+01
18	-4.1221E+02	4.9713E+02
19	3.2969E+01	-3.9300E+01
20	1.1321E+01	2.6316E+01

Flight 503, Condition H

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	3.1953E+04		8.3836E+03	
1/2PP	2.5484E+04		3.9011E+04	

Nth	COSINE	SINE	COSINE	SINE
01	-6.0027E+03	1.7719E+03	-1.6805E+04	2.9342E+04
02	-9.3628E+03	-4.0890E+03	3.3132E+03	1.3948E+03
03	5.6918E+03	-6.3820E+03	4.9632E+03	-1.1933E+03
04	3.8119E+03	-8.9716E+02	3.8647E+02	4.6211E+02
05	7.1630E+02	2.2441E+03	1.6235E+03	7.4229E+02
06	6.9616E+02	2.5034E+02	1.2303E+03	-2.7045E+02
07	1.0704E+03	4.1024E+02	-2.0360E+02	-6.0030E+02
08	8.0266E+02	4.3449E+02	-1.9807E+02	-1.3243E+02
09	5.2230E+02	4.7682E+01	-1.5505E+02	1.6013E+02
10	2.4222E+01	5.7743E+02	1.1271E+03	-4.9393E+02
11	-1.5037E+02	-1.8845E+01	-6.5994E+00	-1.0536E+03
12	1.0749E+03	-8.2143E+02	-3.4935E+02	3.4567E+02
13	-6.7594E+01	1.8850E+02	-3.0928E+02	-3.5583E+01
14	7.8619E+01	-2.6165E+02	1.6267E+01	3.3198E+02
15	5.7657E+01	-1.4288E+02	1.8655E+02	2.2991E+01
16	1.2646E+02	-5.3048E+01	4.4778E+01	-5.4956E+01
17	2.2136E+01	-1.4126E+02	1.4461E+02	-9.6840E+01
18	1.8889E+02	-2.1992E+02	1.8016E+02	-5.5089E+02
19	1.6704E+02	-6.3336E+01	2.0496E+02	-1.1582E+02
20	5.7104E+01	8.7894E+01	-1.3476E+02	5.8844E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.1074E+04	7.9669E+03
1/2PP	5.5218E+03	2.0092E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.7420E+03	2.1703E+01	-1.3008E+04	1.4222E+04
02	-2.1708E+03	2.1718E+02	1.1229E+03	1.1666E+03
03	7.7731E+02	-8.4537E+02	1.3709E+03	-1.3163E+03
04	2.7402E+01	-2.0933E+02	7.7698E+01	-2.7273E+02
05	-1.6967E+02	-6.5027E+02	4.0878E+02	3.5294E+02
06	-4.3043E+02	-8.2239E+01	3.1902E+02	1.5282E+02
07	-6.8409E+02	-2.3675E+02	6.6074E+01	-1.0913E+02
08	-5.2354E+02	-4.4419E+02	-1.8917E+02	-1.0474E+02
09	-3.3231E+02	-3.8007E+02	-5.9389E+01	-3.4148E+01
10	-2.5812E+00	-1.4780E+02	1.9942E+02	-7.0841E+01
11	-5.3768E+01	1.5229E+02	-4.2241E+01	-1.7019E+02
12	-7.3768E+02	3.9231E+02	-2.5493E+02	6.5898E+01
13	1.2334E+02	-1.9121E+02	-2.5238E+01	-5.5753E+01
14	5.1462E+01	8.5408E+01	4.2233E+01	2.9693E+01
15	-8.5528E+01	9.7015E+01	6.8907E+01	-1.5181E+01
16	-1.5345E+02	9.2323E+01	4.6746E+01	-5.6520E+01
17	-5.5618E+00	1.4835E+02	-4.8767E+00	8.4689E+00
18	-1.9649E+02	2.9547E+02	-4.6158E+01	1.4602E+01
19	-1.7072E+02	1.0724E+02	-3.7033E+01	-2.6981E+01
20	-6.7452E+01	3.4616E+00	-5.6597E+01	-5.2206E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9682E+04	3.7899E+03
1/2PP	6.7364E+03	1.5759E+04

Nth	COSINE	SINE	COSINE	SINE
01	-2.0363E+03	1.0250E+03	-8.0225E+03	1.1627E+04
02	-9.7373E+02	4.9014E+02	1.3278E+03	3.8826E+02
03	-5.7884E+02	5.5513E+02	3.2170E+02	-1.0402E+03
04	-1.0900E+03	-1.8545E+02	-3.4038E+01	-1.3364E+03
05	-4.2278E+02	-1.4722E+03	1.5544E+01	2.1852E+02
06	-8.0495E+02	-7.9060E+01	9.2242E+01	1.6284E+02
07	-9.0125E+02	-2.8658E+02	3.1880E+02	1.1884E+02
08	-6.0428E+02	-3.7206E+02	1.6394E+01	-6.3732E+01
09	-4.1294E+02	-2.1388E+02	4.9612E+01	-1.8716E+01
10	-4.8060E+01	-4.5945E+01	-3.5094E+02	1.4391E+02
11	1.0502E+02	3.0346E+02	7.1743E+01	3.8023E+02
12	-5.9381E+02	6.1750E+02	1.0443E+01	-1.1674E+02
13	1.6513E+02	-1.2020E+02	6.2765E+01	-1.6880E+01
14	1.0982E+02	-7.1205E+01	-1.5290E+01	-1.1309E+02
15	-4.6682E+01	5.4544E+01	-3.4772E+01	-1.1338E+01
16	-9.6337E+01	7.1933E+01	-2.4756E+01	-2.2335E+01
17	-4.5627E+01	1.1560E+01	-2.2677E+01	4.3821E+01
18	-4.4018E+01	7.0567E+01	-1.6101E+01	2.2204E+02
19	-3.1820E+00	5.2634E+01	-7.3010E+01	7.5177E+01
20	-2.3220E+01	5.8142E+01	4.7283E+01	-3.0249E+01

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.3375E+04		-1.5229E+03	
1/2PP	4.8678E+03		1.5929E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-4.3190E+02	-1.8116E+02	-5.4208E+03	1.1835E+04
02	-8.4241E+02	5.5212E+02	1.5680E+03	-3.6988E+02
03	-1.3602E+03	1.1066E+03	-8.4679E+02	-1.0163E+03
04	-1.4104E+03	-2.4448E+02	6.0779E+01	-2.5087E+03
05	-4.4860E+02	-1.4199E+03	-7.1001E+02	-3.8445E+02
06	-6.3301E+02	6.4178E+01	-4.2447E+02	1.1218E+02
07	-3.9566E+02	7.8652E+00	1.0860E+02	3.0134E+02
08	-8.9733E+01	1.5049E+02	1.6381E+02	-8.2482E+01
09	-1.3993E+01	2.5304E+02	1.2681E+02	-4.0745E+01
10	-5.0405E+01	1.9747E+02	-6.0894E+02	2.1487E+02
11	1.4009E+02	1.1896E+02	1.1844E+02	7.0008E+02
12	4.3973E+02	4.1372E+01	2.4449E+02	-1.3589E+02
13	-1.1101E+01	1.2567E+02	1.0443E+02	5.3578E+01
14	-1.9202E+01	-1.1494E+02	-3.5796E+01	-9.2526E+01
15	3.8370E+01	-9.1161E+01	-1.6133E+02	1.0074E+02
16	1.1042E+02	-6.1254E+01	-1.3543E+02	1.1884E+02
17	2.3229E+01	-1.3766E+02	1.2526E+01	4.6732E+01
18	1.6207E+02	-2.4748E+02	-1.8355E+01	-1.0887E+02
19	1.3164E+02	-1.0439E+02	4.2010E+01	3.9278E+01
20	6.3913E+01	-1.1073E+01	4.6969E+01	-1.7688E+01

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	5.0840E+03		-6.4597E+02	
1/2PP	4.7266E+03		1.1202E+04	
Nth	COSINE	SINE	COSINE	SINE
01	3.7419E+02	-1.9501E+03	-3.3171E+03	7.2988E+03
02	-1.9118E+03	4.8653E+02	1.3928E+03	-8.9007E+02
03	-1.3501E+03	1.0947E+03	-2.4948E+03	-5.9464E+02
04	-4.9739E+02	-8.1352E+01	3.7617E+02	-2.3314E+03
05	-1.5118E+02	-2.2389E+00	-1.4175E+03	-9.6474E+02
06	1.3467E+02	3.2481E+01	-7.0692E+02	-3.0050E-01
07	5.7839E+02	2.6302E+02	-3.7170E+02	3.8595E+02
08	3.7420E+02	3.7358E+02	2.7491E+02	-1.0066E+01
09	2.7323E+02	9.6455E+01	1.2474E+02	-2.7329E+00
10	1.3117E+02	-1.2207E+01	8.5004E+01	-9.8278E+00
11	-9.3261E+01	-2.3105E+02	-6.9549E+00	1.5356E+02
12	1.6581E+02	-4.1040E+02	1.3937E+02	6.0800E+01
13	-5.3348E+01	-1.1275E+01	-1.2924E+01	1.5259E+02
14	-1.3211E+01	8.5073E+01	7.2098E+00	9.8005E+01
15	-2.3005E+00	3.1623E+01	-1.0176E+02	1.4206E+02
16	-4.2038E+01	3.2570E+01	-9.7335E+01	1.3216E+02
17	-2.9853E+01	1.0970E+02	3.4880E+01	1.5799E+00
18	-1.3279E+02	1.6510E+02	-1.2778E+01	-5.7319E+02
19	-9.5001E+01	6.6982E+01	1.4996E+02	-8.2039E+01
20	-3.3868E+01	1.4834E+01	-1.1930E+02	1.4557E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-5.3471E+02	1.5229E+04
1/2PP	4.9807E+03	8.9500E+03

Nth	COSINE	SINE	COSINE	SINE
01	5.0353E+02	-1.9774E+03	-1.3688E+03	2.3613E+03
02	-3.2179E+03	3.2143E+02	2.8020E+03	-1.1611E+03
03	-7.0602E+02	7.3349E+02	-2.8793E+03	-3.7125E+02
04	5.6327E+02	1.3722E+02	4.2732E+02	-1.7019E+03
05	2.0558E+02	6.8173E+02	-1.4740E+03	-9.2824E+02
06	3.1754E+02	4.2154E+01	-6.0242E+02	-1.6417E+02
07	2.0313E+02	-7.0580E+01	-7.6607E+02	1.7437E+02
08	8.8962E+01	-1.3991E+02	-9.8178E+01	-1.1112E+02
09	-1.3005E+02	-1.8805E+02	-1.9666E+02	6.6764E+01
10	-5.9885E+01	-1.3708E+02	6.5368E+02	-1.5017E+02
11	-1.3719E+01	1.0599E+02	-6.5596E+01	-4.4719E+02
12	-4.9987E+02	3.5752E+02	-1.3447E+02	2.9857E+02
13	9.1650E+01	-6.0011E+01	-1.9746E+01	1.5090E+01
14	1.3829E+00	-3.3467E+01	1.2239E+02	-3.0097E+01
15	-4.6232E+01	2.9638E+00	8.0241E+01	-5.6428E+01
16	-1.9458E+01	1.2398E+01	5.8841E+01	-1.0832E+02
17	9.3857E+00	-4.3574E+01	-7.9594E+00	-4.4380E+01
18	9.1560E+01	-7.4391E+01	1.5387E+01	1.5556E+02
19	7.9879E+01	-2.4848E+01	-8.9713E+01	2.9831E+01
20	1.4842E+01	-1.5387E+00	-1.0904E+01	3.7218E+01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.9583E+03	-4.8554E+03
1/2PP	4.3802E+03	4.5042E+03

Nth	COSINE	SINE	COSINE	SINE
01	-6.2458E+01	-6.1046E+02	-5.6901E+02	1.0699E+03
02	-3.4261E+03	2.0107E+02	3.9275E+02	-4.6993E+02
03	-5.5306E+02	5.0401E+01	-1.4994E+03	-3.2992E+02
04	1.1762E+03	9.4997E+01	5.0267E+02	-5.2131E+02
05	3.4450E+02	6.2265E+02	-3.5766E+02	-2.7964E+02
06	-5.9714E+01	-1.1443E+02	-2.9176E+02	-2.0070E+02
07	-5.3954E+02	-2.0322E+02	-6.2462E+02	-5.4730E+01
08	-3.3763E+02	-1.7552E+02	-2.3483E+02	-1.4408E+02
09	-4.5142E+01	5.1459E+01	-2.6865E+02	1.5612E+02
10	1.0234E+01	8.8823E+01	5.3778E+02	1.6331E+01
11	3.4935E+01	1.5645E+01	1.0092E+02	-4.1724E+02
12	2.9371E+02	-1.9266E+02	-1.0174E+02	6.3296E+01
13	-6.1165E+01	6.7272E+01	-5.3479E+01	-1.4868E+02
14	2.4913E+01	7.8991E+00	2.2280E+01	-5.8981E+01
15	4.3037E+01	-3.8722E+00	1.6819E+02	-1.2912E+02
16	7.5726E+00	-1.3400E+01	1.6734E+02	-1.6000E+02
17	-1.1581E+00	1.3470E+01	-1.5694E+01	6.6055E+00
18	-3.2946E+01	2.6630E+01	8.9912E+00	6.1311E+02
19	-3.8357E+01	2.5559E+01	-1.9829E+02	9.8670E+01
20	-1.6908E+01	1.1659E+01	1.1373E+02	-1.3370E+01

	Collective Control Load, lb		Longitudinal Cyclic Load, lb	
MEAN	-2.4070E+03		3.0666E+02	
1/2PP	2.9481E+03		3.0202E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-3.0775E+01	-5.6434E+01	1.8791E+00	1.6771E+01
02	-1.2276E+01	3.2424E+01	-9.9276E+00	8.1054E+00
03	-1.9977E-01	7.7476E+01	4.2134E+00	-2.6074E+00
04	-1.1131E+03	1.8530E+03	1.1362E+02	-1.9756E+02
05	6.9255E+01	-6.5155E+01	-2.1279E+00	1.4994E+00
06	-3.2992E+01	5.2881E+01	1.9506E+00	-1.6694E+01
07	8.7732E+01	5.2269E+01	-1.3917E+01	-8.1752E+00
08	5.6973E+02	-5.4272E+01	-2.7409E+01	2.5435E+00
09	-2.0003E+01	2.0278E+01	4.6630E+00	-4.7817E+00
10	-5.2764E+01	-2.6326E+01	6.3950E+00	5.3727E+00
11	1.3297E+01	-7.3694E+01	-5.9243E+00	3.5161E+00
12	1.1940E+02	-7.8754E+02	6.7328E+00	4.7948E+01
13	1.3820E+01	3.3270E+01	-5.5367E+00	3.3362E+00
14	3.8975E+00	-2.3630E+00	-1.5975E+00	-1.4747E+00
15	-9.2299E+00	2.8988E+00	2.4124E+00	-3.0106E-01
16	-5.3916E+01	2.9910E+01	-9.5211E+00	-1.8636E+01
17	3.8679E+00	5.4848E+00	1.3275E+00	1.3959E+00
18	7.1376E+00	-9.8319E+00	-2.7319E+00	-2.9691E+00
19	4.4924E+00	1.8060E+01	-2.9428E+00	-2.4086E+00
20	4.2333E+01	6.8572E+01	-2.0624E+00	-8.7785E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-2.7219E+02		-1.4502E+02	
1/2PP	3.6213E+02		6.9238E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-1.0873E+01	2.5264E+00	1.5860E+02	2.9361E+02
02	1.5774E+01	-4.4010E+00	1.0340E+02	7.7554E+01
03	-4.1501E+00	-1.1294E+01	-8.8790E+01	9.0847E+01
04	8.4982E+01	-1.8374E+02	-6.9231E+01	1.4321E+02
05	-1.1177E+01	1.4978E+01	4.7545E+01	1.1169E+02
06	2.1900E+01	7.9473E+00	1.2632E+02	-2.3449E+01
07	-2.8864E+00	-8.9885E+00	3.3987E+01	-2.1733E+01
08	-6.9940E+01	1.3189E+01	1.6308E+01	-1.4774E+01
09	-1.9489E-01	2.9948E+00	1.3465E+01	-3.6697E+01
10	1.0842E+01	1.5726E+00	-2.8744E+01	-7.7765E+01
11	7.2219E+00	1.2622E+01	-2.0783E+01	-4.9819E+01
12	-4.0842E+01	1.3811E+02	-1.2560E+01	-9.2566E+00
13	-5.4840E+00	-1.4534E+01	-2.3200E+01	-5.9281E+00
14	2.2049E+00	3.9957E+00	-3.2026E+01	5.6463E+01
15	-1.3221E+00	1.2211E+00	3.1091E+00	-4.5686E+00
16	-2.9425E+00	-7.3777E+00	5.7564E+00	-9.8789E+00
17	4.3479E+00	-1.1801E+00	1.5505E+00	5.6199E+00
18	-1.9695E+00	5.6807E-01	5.8386E+00	-4.3490E+00
19	1.2584E+00	-1.1652E+00	1.7863E+00	-5.8954E+00
20	-6.0245E-01	-3.3322E+00	-1.9587E+00	-1.3524E+01

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.7699E+01	5.2321E+02
1/2PP	6.3151E+00	1.4890E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.0216E+00	-5.6102E+00	7.2903E+02	1.3702E+03
02	9.2531E-01	8.3870E-01	2.0388E+02	-1.8566E+02
03	2.4790E-01	1.3497E-02	1.8487E+02	3.4869E+01
04	-2.4989E-01	4.6537E-01	-1.8837E+01	-1.4241E+02
05	2.6152E-01	3.4608E-01	5.0201E+01	-3.5600E+01
06	2.8010E-01	-4.7659E-02	1.7363E+01	-5.2285E+01
07	1.2816E-01	-1.6085E-01	-4.9151E+00	-2.5617E+01
08	8.8381E-02	-4.4490E-02	-9.6558E+00	-1.7465E+01
09	3.9913E-02	-1.1871E-01	-2.8145E+01	9.2005E+00
10	4.8406E-02	-1.0242E-01	-2.1262E+01	-1.2221E+01
11	-5.9576E-02	-2.5807E-01	1.3474E+01	1.6719E+01
12	-5.1771E-02	-8.4209E-02	-2.6452E+01	4.7865E+01
13	-6.5284E-02	-8.3707E-02	-4.3697E+00	-5.8696E+00
14	-3.5457E-02	6.5757E-02	-5.6183E+00	-4.9827E+00
15	1.6088E-02	-5.0529E-03	5.2962E+00	-2.8250E+00
16	6.9054E-03	6.2620E-03	-1.4485E+01	-4.4702E+00
17	-1.5817E-02	3.9698E-03	1.2685E+01	1.0838E+00
18	1.0360E-02	1.1863E-02	2.2494E+01	3.3335E+01
19	3.5001E-03	-6.1744E-03	1.1712E+00	2.0031E+01
20	-1.1917E-02	1.6379E-02	1.7688E+00	1.0443E+01

	MR Shaft Torque, in-lb
MEAN	2.2929E+05
1/2PP	2.1433E+04

Nth	COSINE	SINE
01	5.4205E+02	-4.8153E+02
02	9.0635E+03	9.4109E+03
03	7.4412E+01	4.3547E+02
04	3.4856E+03	1.1498E+04
05	-1.8918E+02	-1.8599E+02
06	-4.8042E+02	2.5321E+03
07	-1.1605E+02	6.7339E+01
08	9.9493E+02	9.1405E+02
09	5.0183E+01	-2.4723E+02
10	5.7109E+02	1.3048E+02
11	4.9250E+01	-1.4535E+02
12	8.6773E+02	-1.2073E+03
13	-5.4266E+01	-8.0836E+01
14	4.4992E+01	2.6412E+02
15	-1.2116E+02	4.2039E+01
16	2.3397E+02	3.2549E+02
17	-1.2597E+02	-2.4102E+02
18	-2.0793E+02	-2.7263E+02
19	-3.2669E+01	-4.7192E+01
20	1.8164E+02	7.8832E+01

Flight 504, Condition A

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	3.0796E+04	-2.8827E+02
1/2PP	1.0276E+04	2.9403E+04

Nth	COSINE	SINE	COSINE	SINE
01	4.3264E+03	6.1838E+02	-1.8192E+04	1.6169E+04
02	-2.8574E+03	3.2962E+03	2.0659E+03	1.3192E+03
03	3.1874E+03	-2.7660E+03	2.8086E+03	4.0905E+02
04	2.9723E+03	-8.8075E+02	1.8251E+02	1.4775E+01
05	-1.0615E+03	-6.1216E+02	9.5071E+02	-1.0455E+03
06	1.3398E+02	-6.4422E+02	2.2708E+02	-3.0582E+02
07	7.2114E+02	7.2768E+02	2.3509E+00	-1.7555E+02
08	-3.5525E+02	-1.0254E+02	-1.7864E+01	3.0600E+00
09	4.3158E+02	7.7788E+01	-8.6094E+02	8.5777E+02
10	1.2063E+02	1.0125E+02	2.3809E+02	-1.5155E+02
11	-4.8889E+01	4.1209E+01	-1.8303E+02	7.1598E+01
12	1.2208E+02	-3.7308E+02	-5.4866E+01	1.0735E+02
13	-1.8037E+01	1.1212E+02	8.2036E+01	1.5281E+01
14	7.7607E+00	-6.8049E+01	-2.6234E+01	-1.5890E+01
15	-4.7179E+00	3.7459E+01	-2.4364E+01	-1.7464E+01
16	2.1873E+01	1.3823E+02	-1.6481E+00	-1.7449E+01
17	6.7371E+01	3.6388E+01	1.2096E+01	-9.2857E+01
18	5.9757E+01	8.3358E+01	1.1998E+02	-4.1416E+01
19	-1.3849E+01	1.4345E+01	5.0613E+01	4.0214E+01
20	-1.1900E+01	-3.4210E+01	3.0706E+01	-1.1441E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.1384E+04	3.3452E+03
1/2PP	3.8812E+03	1.2846E+04

Nth	COSINE	SINE	COSINE	SINE
01	2.0158E+03	-2.2789E+00	-1.1000E+04	5.4817E+03
02	-1.0023E+03	1.6169E+03	5.3318E+02	7.7563E+02
03	8.3670E+01	-1.8429E+02	1.2921E+03	-4.4967E+02
04	6.0583E+01	-9.3224E+01	1.8542E+02	-3.1429E+02
05	2.6410E+02	1.9467E+02	2.7547E+02	-8.1727E+01
06	-8.1140E+01	2.2991E+02	4.5853E+01	3.3872E+01
07	-4.5502E+02	-4.8901E+02	-7.0678E+01	-2.3955E+01
08	1.9024E+02	9.2420E+01	-4.6129E+01	3.3996E+01
09	-1.1052E+02	6.6005E+01	-1.0272E+02	1.3574E+02
10	-8.9873E+01	-6.1961E+01	2.1644E+01	-7.6662E+01
11	1.0075E+02	-1.1780E+01	-2.2434E+01	5.8683E+01
12	-9.3331E+01	2.9949E+02	-2.6715E+01	6.0219E+01
13	-1.4815E+01	-1.6028E+01	3.4263E+01	-6.5553E+00
14	6.0477E+01	4.7026E+01	8.0180E+00	1.2003E+01
15	-1.4143E+01	-4.0926E+01	2.0139E+01	3.6740E+00
16	-5.1501E+01	-1.1849E+02	3.8576E+00	-3.0800E+00
17	-9.8201E+01	-3.4129E+01	-1.8971E+01	1.3848E+01
18	-8.3678E+01	-7.3485E+01	-1.6948E+01	-2.2186E+01
19	9.0923E+00	-4.0341E+01	1.5970E+01	-5.1596E+00
20	3.4897E+01	1.9375E+01	1.3914E+01	1.1381E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9393E+04	7.2629E+02
1/2PP	2.8435E+03	1.0582E+04

Nth	COSINE	SINE	COSINE	SINE
01	7.6328E+01	3.5671E+02	-7.8598E+03	5.5016E+03
02	-6.1358E+02	7.0274E+02	8.0789E+02	3.3387E+02
03	-7.4010E+02	4.4892E+02	4.5321E+02	-6.7014E+02
04	-7.8202E+02	3.8108E+01	3.0941E+02	-6.0892E+02
05	5.2491E+02	3.3296E+02	-1.2815E+02	-3.9631E+01
06	-1.3923E+02	4.8040E+02	-8.3254E+01	3.9710E+01
07	-5.7488E+02	-6.4779E+02	1.5267E+02	7.7588E+01
08	2.8382E+02	5.7428E+01	-4.9658E+01	9.0955E-01
09	-1.8777E+02	-4.2918E+01	3.1784E+02	-3.1499E+02
10	-8.5719E+01	-7.9160E+01	-6.7960E+01	7.3979E+01
11	7.5558E+01	-3.7134E+01	7.9326E+01	-4.5391E+01
12	-2.7759E+01	2.4831E+02	-5.5735E-01	-1.3399E+00
13	-1.8176E+01	-5.7219E+01	-4.3244E+01	-5.8095E+00
14	7.4096E+01	2.1808E+01	1.7373E+00	9.0638E+00
15	-1.1195E+00	4.8464E+00	1.6995E+00	7.5496E+00
16	-1.7676E+01	-2.6820E+01	6.3090E+00	3.3473E+00
17	-1.3641E+01	-7.5197E+00	8.6005E+00	3.7383E+01
18	-2.0174E+01	-3.8132E+00	-4.1933E+01	3.7419E+01
19	-9.3456E+00	1.3658E+01	-2.6370E+01	-1.8695E+01
20	-5.2846E+00	-8.8054E+00	-1.2012E+01	2.6458E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.3051E+04	-4.6220E+03
1/2PP	3.2429E+03	1.0825E+04

Nth	COSINE	SINE	COSINE	SINE
01	-5.9777E+02	-2.1592E+02	-6.1731E+03	6.7624E+03
02	-7.1467E+02	-1.7619E+02	1.2313E+03	2.9743E+02
03	-1.2795E+03	7.2634E+02	-3.3588E+02	-9.3954E+02
04	-1.0379E+03	5.6600E+01	5.2996E+02	-8.1727E+02
05	4.0359E+02	1.5053E+02	-5.9241E+02	1.3265E+01
06	-1.0291E+02	3.4082E+02	-2.0860E+02	1.0195E+02
07	-2.0884E+02	-1.9087E+02	1.0227E+02	2.8816E+01
08	1.1597E+02	-4.5954E+01	6.8283E+01	-2.5130E+01
09	-3.7509E+01	-9.5830E+01	4.4039E+02	-4.6072E+02
10	2.6750E+01	2.6225E+01	-1.2620E+02	1.4668E+02
11	-3.2307E+01	-6.6164E+00	1.2699E+02	-1.2303E+02
12	9.0621E+01	-1.3410E+02	2.8008E+01	-4.9199E+01
13	-4.1230E+00	4.7620E+00	-9.3315E+01	-4.2566E+00
14	-2.4771E+01	-3.6148E+01	2.2241E+01	-9.6824E+00
15	-4.7210E-01	3.1983E+01	-4.6024E+01	-1.9262E+01
16	3.6133E+01	9.2175E+01	-2.9282E+01	-3.6188E+01
17	8.2213E+01	1.6876E+01	-9.3586E+00	-5.8546E+01
18	7.2558E+01	5.6430E+01	1.9086E+01	-1.6067E+01
19	-3.6788E+00	2.7833E+01	-1.0067E+01	2.5914E+00
20	-2.1318E+01	-1.5131E+01	-4.9553E+00	7.8758E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	5.1944E+03		-2.5560E+03	
1/2PP	3.3866E+03		7.4392E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-8.3907E+02	-1.2754E+03	-3.4289E+03	3.8644E+03
02	-1.1579E+03	-4.5968E+02	1.1563E+03	-5.0574E+01
03	-1.0887E+03	8.3935E+02	-1.0996E+03	-9.7816E+02
04	-4.6628E+02	1.0941E+02	5.7783E+02	-6.9085E+02
05	-5.5983E+01	-2.3655E+01	-1.1049E+03	4.9532E+01
06	8.7650E+01	-1.2666E+02	-2.1610E+02	3.5471E+01
07	3.5446E+02	3.9655E+02	-2.2341E+02	3.0573E+01
08	-2.1050E+02	-8.1628E+01	1.7077E+02	6.3452E+00
09	1.4282E+02	1.3107E+01	-1.3901E+02	1.4104E+02
10	7.6106E+01	2.9587E+01	1.0975E+01	1.0177E+01
11	-6.0887E+01	1.5477E+01	-3.5342E+01	-3.1478E+01
12	-2.1667E+01	-1.3017E+02	3.6878E+01	-2.9908E+01
13	4.7312E+01	1.0094E+01	-2.1403E+01	3.6070E+01
14	-1.1118E+01	2.1758E+01	5.1575E+01	-1.2245E+01
15	-3.5139E+00	-3.2396E+01	-4.1729E+01	-3.6134E+01
16	-8.3211E+00	-6.3259E+01	-4.9354E+01	-7.0026E+01
17	-5.5781E+01	-8.6606E-01	-4.4751E+01	-1.5268E+02
18	-6.5509E+01	-3.6861E+01	1.0460E+02	-1.1931E+02
19	-6.7811E+00	-2.5480E+01	5.7121E+01	4.2042E+01
20	1.5200E+01	1.0874E+01	3.3587E+01	-1.9723E+00

	Flat.Bending @64%R, in-lb		Edg.Bending @64%R, in-lb	
MEAN	1.2755E+01		3.9173E+03	
1/2PP	3.7475E+03		4.9402E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-8.5966E+02	-1.1462E+03	-1.6603E+03	1.6735E+03
02	-1.6686E+03	-3.9491E+02	9.2763E+02	-3.2345E+02
03	-8.0194E+02	7.2279E+02	-1.2162E+03	-6.8224E+02
04	3.7519E+02	5.3364E+01	4.7660E+02	-4.6356E+02
05	-1.9837E+02	-1.5790E+02	-1.0295E+03	4.0698E+01
06	8.1051E+01	-1.7392E+02	-1.1547E+02	-4.8670E+01
07	1.4304E+02	1.3890E+02	-3.4960E+02	-3.8666E+01
08	-5.0250E+01	2.5208E+01	1.8292E+02	5.4661E+01
09	-6.6834E+01	5.7407E+01	-5.1170E+02	5.2361E+02
10	-7.1162E+01	-1.9113E+01	9.7235E+01	-1.7380E+02
11	7.0942E+01	-1.7573E+01	-1.0766E+02	7.8136E+01
12	-6.5910E+01	2.3208E+02	1.5496E+00	9.0582E+01
13	-3.8993E+01	1.0670E+00	6.9364E+01	-3.9781E+00
14	2.2982E+01	6.6364E+00	2.1681E+01	-1.2643E+01
15	1.2219E+00	-3.6120E+00	3.1365E+01	3.9371E+00
16	-6.5709E+00	2.7162E+01	1.8024E+01	2.4581E+01
17	1.4495E+01	3.2186E+00	2.2217E+01	4.8190E+01
18	2.8670E+01	1.0543E+01	-1.6573E+01	4.1291E+01
19	1.0188E+01	1.6659E+01	-6.7259E+00	-1.2925E+00
20	-9.8200E+00	-1.8691E+00	-8.3626E+00	-1.1745E+01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.5687E+03	-5.4839E+03
1/2PP	3.2125E+03	2.9133E+03

Nth	COSINE	SINE	COSINE	SINE
01	-2.2232E+02	-1.9680E+02	-5.9691E+02	3.2571E+02
02	-2.0815E+03	5.0415E+01	4.5990E+02	-3.1935E+02
03	-7.5139E+02	5.2162E+02	-9.1963E+02	-3.6769E+02
04	7.4673E+02	-2.8233E+02	3.9762E+02	-1.3001E+02
05	9.3322E+01	-1.5525E+02	-4.5881E+02	-1.5959E+02
06	8.2074E+01	6.6183E+01	-1.0668E+02	1.2629E+01
07	-4.0008E+02	-3.5390E+02	-2.7731E+02	-1.0265E+02
08	1.0678E+02	5.2213E+01	1.2979E+02	1.5906E+01
09	-3.1121E+01	-3.2912E+01	-4.6943E+02	3.4632E+02
10	1.4250E+01	1.1395E+01	9.2710E+01	-1.2012E+02
11	-3.0412E+01	-2.8083E+01	-8.2877E+01	8.8268E+01
12	6.3484E+01	-1.4852E+02	2.6899E+01	1.8960E+01
13	1.1777E+01	2.5940E+01	5.1243E+01	-2.7998E+01
14	-3.1326E+01	-2.2263E+01	-3.1605E+01	3.7413E+00
15	7.3591E+00	-9.7785E+00	5.1375E+01	5.1340E+01
16	1.5174E+01	6.9847E+00	6.7210E+01	7.5601E+01
17	-1.1266E+01	9.5131E+00	4.7214E+01	1.6993E+02
18	-1.9183E+01	-1.8431E+01	-1.2786E+02	1.2077E+02
19	-1.0152E+00	-1.4977E+01	-6.0217E+01	-4.4259E+01
20	5.6807E+00	1.2773E+01	-2.8741E+01	7.6945E+00

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-9.8001E+02	1.0198E+02
1/2PP	9.6441E+02	1.2272E+02

Nth	COSINE	SINE	COSINE	SINE
01	-7.1234E+00	-4.6646E+01	3.7261E+00	1.0945E+01
02	-2.2932E+01	-2.8841E+01	-3.2821E+00	1.2711E+01
03	-4.7849E+01	2.3191E+01	1.5127E+00	-6.4270E+00
04	-7.4266E+02	4.7280E+02	9.3667E+01	-2.0926E+01
05	3.3415E+01	-3.6131E+01	-2.4908E+00	5.1955E+00
06	2.1473E+00	1.5548E+01	-8.3948E-01	-6.6821E-01
07	2.2069E+01	-2.3023E+01	-2.0944E+00	4.9517E+00
08	5.0737E+00	8.1659E+01	-1.1476E+01	8.2170E+00
09	2.6700E+01	4.4178E+00	-5.8914E+00	-8.1397E-01
10	2.3254E+01	1.2233E+00	-4.4043E+00	1.2953E-01
11	3.3070E+01	-5.4491E+01	-5.3939E+00	1.1348E+01
12	-3.6665E+01	-4.5281E+00	-1.8900E+01	-5.8438E+00
13	-1.3374E+01	1.2644E+01	2.6569E+00	-4.0177E+00
14	3.6140E+00	3.5184E+00	-1.0861E+00	-2.0013E+00
15	1.1478E+00	-4.7806E+00	-5.8856E-01	-1.1660E-01
16	-5.3506E+00	2.2675E+01	6.4083E-01	-4.9196E+00
17	-9.6810E+00	2.6484E+00	1.9595E+00	6.0010E-01
18	3.5574E+00	1.2860E+00	-9.2743E-01	-8.9544E-02
19	3.8321E+00	6.4199E+00	2.8462E-01	-4.1396E-01
20	3.4211E+00	-1.4799E+01	5.5870E+00	-1.8509E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-1.7063E+02		-2.5460E+01	
1/2PP	8.2870E+01		3.1179E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-8.6334E+00	-4.1394E+00	9.2348E+01	1.3874E+02
02	1.4404E+01	-1.4198E+00	5.4075E+01	-2.5890E+01
03	3.4683E+00	-1.8882E+00	-1.9223E+01	-2.1036E+01
04	-3.7400E+01	-2.8573E+01	-4.4193E+01	4.6080E+01
05	-3.8521E+00	4.2875E+00	2.2948E+01	4.6834E+01
06	-2.9527E+00	-2.7943E+00	-1.7072E-01	-3.3930E+01
07	1.5207E+00	-4.4169E+00	2.5965E+00	3.6998E+00
08	9.6508E+00	-1.5883E+01	-2.9944E+00	1.0622E+01
09	2.4235E+00	1.7998E-01	5.0660E-01	-1.2444E-01
10	3.2385E+00	-7.3824E-01	-5.3113E+00	-7.9009E-01
11	1.0675E+00	-3.0906E+00	-2.5126E+00	7.8083E+00
12	1.9102E+01	-2.4297E+00	-1.2273E+01	2.0842E+00
13	4.4602E-01	2.5479E+00	6.8244E+00	-2.5721E+00
14	2.4534E+00	2.2390E+00	-2.2750E+01	8.8522E+00
15	2.3733E-01	-3.6318E-01	1.4555E+00	-3.4973E+00
16	4.6166E+00	1.0208E+00	4.0695E-01	-3.8215E+00
17	-8.8737E-01	1.7830E-01	1.4624E+00	1.5042E+00
18	3.6156E-01	-1.5417E-01	2.5131E+00	1.9237E-01
19	3.7592E-01	-1.6431E-01	-1.4392E-01	4.6174E-01
20	-7.8944E+00	4.9216E+00	-8.4704E-01	1.3859E+00

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.5740E+01		5.1289E+02	
1/2PP	3.6798E+00		1.3431E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.8364E+00	-3.0616E+00	-3.2531E+01	1.3648E+03
02	3.5971E-01	4.7872E-01	1.7504E+02	-3.3046E+00
03	1.4101E-01	-1.3267E-01	-6.4307E+01	3.7396E+01
04	-2.0822E-01	8.5703E-02	-2.6826E+00	-1.4289E+01
05	2.0453E-01	1.9775E-02	2.0477E+01	-8.2893E+01
06	4.2937E-02	-7.6199E-02	-9.9958E+00	-1.8347E+01
07	5.0982E-02	-1.8033E-02	4.4629E+01	-2.6782E+01
08	-3.4884E-02	5.0924E-02	7.0288E+00	-9.5213E+00
09	-5.0278E-02	4.1625E-02	1.5812E+01	-2.7489E+01
10	-3.2056E-03	-2.3431E-02	-5.3022E+00	2.1232E+01
11	-2.4657E-03	1.4175E-02	9.8260E+00	-1.8924E+01
12	-4.5422E-02	1.9204E-02	-4.0454E+00	2.0712E+01
13	2.3403E-02	9.1557E-03	-6.1608E+00	-8.2487E-01
14	-3.1607E-02	3.1600E-03	-1.4579E+00	-8.0479E-01
15	1.4311E-03	1.3278E-03	-3.9406E+00	7.3255E-01
16	3.3936E-03	-1.9214E-02	1.7698E+00	-2.0656E+00
17	5.8204E-03	1.4511E-03	5.8566E+00	2.9132E+00
18	2.4036E-03	-1.3989E-04	-2.1725E+00	1.2978E+01
19	1.4557E-04	1.0589E-02	-4.3946E+00	-1.3683E+00
20	2.4658E-03	-8.1577E-03	-4.0615E-01	-2.0992E+00

	MR Shaft Torque, in-lb
MEAN	1.8172E+05
1/2PP	7.6653E+03

Nth	COSINE	SINE
01	6.0398E+02	-3.0927E+02
02	3.5130E+03	3.9788E+02
03	-6.6120E+02	5.9900E+02
04	9.2002E+02	2.2029E+03
05	-2.4308E+01	-5.7288E+01
06	-1.4493E+03	9.0751E+02
07	8.3671E+01	1.2267E+02
08	1.6560E+02	-1.8462E+02
09	7.2109E+01	6.2726E+01
10	-5.2372E+02	-4.4367E+02
11	6.2840E+01	2.3278E+00
12	-6.8923E+02	-5.3583E+02
13	3.8104E+01	-2.5532E+00
14	-1.8729E+02	4.2509E+01
15	3.2395E+01	-9.9310E+01
16	-1.2655E+02	1.3898E+02
17	6.9981E+01	-4.0529E+01
18	-1.4360E+02	-2.4856E+02
19	-3.2217E+01	-3.9595E+01
20	-3.0422E+01	4.0469E+01

Flight 504, Condition B

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	3.2961E+04		3.7506E+03	
1/2PP	1.2755E+04		3.2988E+04	

Nth	COSINE	SINE	COSINE	SINE
01	5.1434E+03	1.1652E+03	-1.7778E+04	2.1342E+04
02	-4.4042E+03	1.3573E+03	2.4070E+03	1.1783E+03
03	3.3944E+03	-4.0058E+03	3.2663E+03	4.0587E+01
04	3.6079E+03	-1.3293E+03	2.3628E+02	-2.6614E+02
05	-1.4977E+03	-8.7831E+02	8.3257E+01	-1.9031E+03
06	-6.9275E+00	-3.0924E+02	-2.4050E+02	-1.2321E+02
07	5.4043E+02	5.3661E+02	-1.8357E+02	-1.9415E+02
08	-1.9769E+02	2.6817E+02	-9.4363E+01	-2.0470E+01
09	1.7827E+02	-8.9908E+01	1.5048E+02	4.8555E+02
10	-1.5759E+02	7.0317E+01	7.5515E+02	4.4411E+02
11	-6.2039E+01	1.7577E+02	-2.5397E+02	3.6339E+02
12	-3.2353E+02	-2.6965E+02	-1.8964E+00	1.5770E+02
13	2.0030E+02	-1.2413E+00	9.4022E+00	-3.2000E+01
14	-3.0266E+01	-3.2651E+01	4.0328E+01	3.8968E+00
15	-8.3812E+01	-3.5359E+01	-7.2099E+01	-4.1654E+01
16	8.1550E+00	-1.8896E+01	3.9707E+01	2.4484E+01
17	-7.5682E+01	2.9690E+02	6.0014E+01	-8.0187E+01
18	-5.1600E+01	-7.0600E+01	6.8919E+01	1.0913E+02
19	3.9332E+01	2.1020E+01	-7.1524E+01	9.1164E+00
20	3.3726E+01	1.8506E+01	-2.6640E+01	-1.5642E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.2089E+04	5.3049E+03
1/2PP	4.1117E+03	1.5824E+04

Nth	Flat.Bending @14.2%R, in-lb COSINE	Flat.Bending @14.2%R, in-lb SINE	Edg.Bending @14.2%R, in-lb COSINE	Edg.Bending @14.2%R, in-lb SINE
01	2.5268E+03	9.5433E+01	-1.2227E+04	8.8819E+03
02	-1.2112E+03	1.3620E+03	5.7460E+02	8.6339E+02
03	2.8817E+02	-3.2705E+02	1.0983E+03	-8.5784E+02
04	7.6565E+01	-2.1158E+02	4.4144E+01	-3.7685E+02
05	2.5487E+02	1.3025E+02	1.5506E+02	-4.3578E+02
06	-1.1504E+02	3.7180E+00	-5.7340E+01	-4.1423E+01
07	-2.9703E+02	-2.1491E+02	-5.7478E+01	-2.3028E+01
08	1.4021E+02	-2.0184E+02	-2.5393E+01	-1.7086E+01
09	1.1345E+01	-1.2517E+01	3.2753E+01	3.1802E+01
10	8.7293E+01	-6.5254E+01	1.4511E+02	1.1862E+01
11	1.4741E+02	-1.5638E+02	2.0163E+01	6.2865E+01
12	2.6726E+02	2.3399E+02	3.8790E+01	1.4479E+02
13	-1.3375E+02	-1.5242E+01	-1.5562E+01	-2.9945E+01
14	4.9071E+01	1.4663E+00	-9.1069E-01	-4.2124E-01
15	8.6112E+01	4.6626E+01	-3.2309E+01	-7.8442E+00
16	7.7554E+00	3.9328E+00	-2.5168E+01	2.5780E+01
17	9.6649E+01	-2.8298E+02	1.5320E+01	-2.7292E+01
18	8.8510E+01	7.2440E+01	1.3380E+01	2.0782E+01
19	-3.4264E+01	7.9087E+00	-2.6027E+01	2.7502E+00
20	-3.5852E+01	-4.0738E+01	-6.0045E+00	-7.7168E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	2.0048E+04	1.8525E+03
1/2PP	2.8762E+03	1.2295E+04

Nth	Flat.Bending @19.54%R, in-lb COSINE	Flat.Bending @19.54%R, in-lb SINE	Edg.Bending @19.54%R, in-lb COSINE	Edg.Bending @19.54%R, in-lb SINE
01	3.7512E+02	6.9810E+02	-8.4801E+03	7.9820E+03
02	-6.6226E+02	7.3523E+02	8.6137E+02	3.6051E+02
03	-5.8765E+02	5.6309E+02	3.4460E+02	-7.5762E+02
04	-9.3479E+02	3.4351E+01	2.7000E+02	-5.7556E+02
05	6.8749E+02	3.6021E+02	-9.3304E+01	5.3397E+01
06	-1.2900E+02	1.0952E+02	-2.0293E-01	8.3809E+01
07	-4.2364E+02	-4.3171E+02	6.0975E+01	7.9945E+01
08	1.4523E+02	-2.6586E+02	-8.1843E+01	7.2607E+01
09	-7.2452E+01	-2.8037E+01	-5.3923E+01	-1.6072E+02
10	1.8936E+01	-1.0523E+02	-3.0247E+02	-1.1643E+02
11	5.2101E+01	-1.4996E+02	5.9578E+01	-1.3623E+02
12	2.3624E+02	1.8457E+02	2.0006E+01	-3.1328E+01
13	-1.2604E+02	1.2814E+01	-1.3977E+01	1.6555E+01
14	4.4323E+01	-1.0636E+01	-4.0060E+00	-7.7130E+00
15	3.7135E+01	2.5994E+01	1.1754E+01	7.5611E+00
16	9.1692E+00	-6.3917E+00	-7.2012E+00	9.6579E+00
17	-9.0507E+00	-7.9221E+01	-1.4953E+01	4.6609E+01
18	2.1704E+01	1.2096E+01	-3.1545E+01	-4.3329E+01
19	-7.6178E+00	-7.8119E+00	4.3075E+01	-1.5998E-01
20	5.1550E+00	1.0947E-01	3.2774E+00	-2.3403E+00

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.3493E+04	-3.4097E+03
1/2PP	3.2813E+03	1.1894E+04

Nth	COSINE	SINE	COSINE	SINE
01	-2.4888E+02	-1.5002E+02	-6.1622E+03	8.9300E+03
02	-6.6610E+02	4.2479E+01	1.2313E+03	1.8932E+02
03	-1.1736E+03	9.1470E+02	-3.4621E+02	-7.2961E+02
04	-1.2119E+03	1.0422E+02	6.4534E+02	-7.7482E+02
05	6.0649E+02	2.5791E+02	-3.3662E+02	5.7018E+02
06	-5.7247E+01	1.1545E+02	4.0079E+00	1.9587E+02
07	-2.4027E+02	-2.3763E+02	7.2197E+01	9.0322E+01
08	-2.5610E+01	-1.1695E+02	5.5684E+00	5.0995E+01
09	-3.9114E+01	6.3277E+00	-7.0427E+01	-2.0681E+02
10	-1.0430E+02	1.0241E+01	-4.5850E+02	-1.7433E+02
11	-1.3046E+02	4.0028E+01	7.8257E+01	-2.4745E+02
12	-9.7940E+01	-1.3528E+02	1.6538E+01	-2.0525E+02
13	7.2086E+01	5.4530E+01	-2.2832E+01	7.2924E+01
14	-3.6034E+01	-1.7655E+00	7.8522E+00	-2.2093E+01
15	-6.0977E+01	-3.8708E+01	9.1083E+01	5.2431E+01
16	7.8569E+00	-8.3690E+00	4.4579E+01	-6.3022E+01
17	-8.3268E+01	2.3984E+02	3.9534E+00	-6.5068E+01
18	-7.2973E+01	-5.8728E+01	3.7699E+01	9.5400E+00
19	3.1778E+01	-6.2970E+00	8.4644E+00	-1.7281E+00
20	3.0185E+01	3.5482E+01	-2.9900E+00	-4.6476E+00

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	5.2550E+03	-1.6355E+03
1/2PP	3.6039E+03	8.1227E+03

Nth	COSINE	SINE	COSINE	SINE
01	-5.2773E+02	-1.3736E+03	-3.5995E+03	5.0619E+03
02	-1.2838E+03	-2.8704E+02	1.1202E+03	-8.3061E+01
03	-1.0134E+03	9.8702E+02	-1.1812E+03	-6.9836E+02
04	-4.2656E+02	1.1334E+02	7.6449E+02	-6.7692E+02
05	3.9279E+01	-6.8629E+00	-6.0292E+02	8.0885E+02
06	6.6288E+01	3.6114E-01	-2.9785E+01	9.0327E+01
07	3.6394E+02	1.9033E+02	7.4517E+00	1.1916E+02
08	-6.3769E+01	1.9751E+02	2.3332E+02	-7.6057E+01
09	3.4887E+01	1.4387E+01	4.9885E+01	1.2935E+02
10	3.7242E+01	-2.1376E+00	1.1471E+02	7.4110E+01
11	4.0139E+01	6.9581E+01	-5.2225E+01	-5.1403E+00
12	-1.2626E+02	-4.2444E+01	-3.6990E+01	-1.1338E+02
13	1.5942E+01	-7.6351E+01	-7.1436E+00	5.7696E+01
14	1.4444E+01	-2.6441E+01	1.7029E+01	-2.3233E+00
15	3.2506E+01	2.5139E+01	5.9742E+01	7.7634E+01
16	-2.1276E+01	1.1470E+01	4.4388E+01	-6.7901E+01
17	5.6190E+01	-1.6933E+02	7.7872E+01	-1.9491E+02
18	4.9297E+01	3.3981E+01	1.0342E+02	1.4736E+02
19	-1.9501E+01	5.9073E+00	-1.0942E+02	-1.0419E+01
20	-2.6597E+01	-2.5800E+01	-1.7235E+00	1.1299E+00

	Flat.Bending @64%R, in-lb		Edg.Bending @64%R, in-lb	
MEAN	-1.2228E+02		7.9684E+02	
1/2PP	3.8068E+03		4.9280E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-6.6782E+02	-1.2221E+03	-1.6515E+03	2.4144E+03
02	-1.8232E+03	-2.6781E+02	8.3122E+02	-3.8268E+02
03	-5.9041E+02	5.8056E+02	-1.3179E+03	-2.7424E+02
04	4.9543E+02	-4.0873E+01	8.0869E+02	-4.8968E+02
05	-2.4218E+02	-2.1844E+02	-6.0789E+02	5.5468E+02
06	4.5765E+01	-1.1494E+02	-1.2734E+02	8.8778E+01
07	7.5466E+01	1.6214E+02	-2.2118E+01	4.7906E+01
08	1.8189E+01	6.1231E+01	2.5604E+02	-1.7231E+02
09	2.3505E+01	-1.5632E+01	9.1039E+01	2.9486E+02
10	2.8505E+01	-1.6335E+01	4.7297E+02	1.8241E+02
11	6.9561E+01	-7.6720E+01	-1.0712E+02	1.8426E+02
12	2.0099E+02	1.7899E+02	3.8005E+01	1.4820E+02
13	-7.4995E+01	3.4068E+01	-2.7262E+01	-3.6383E+01
14	1.8833E+01	4.8246E+01	4.7319E+00	-2.2118E+01
15	-9.6254E-01	1.0950E+01	-4.8107E+01	-4.9281E+01
16	1.7481E+01	-1.5579E+01	-1.7404E+01	1.6292E+01
17	-3.6116E+01	6.8891E+01	-1.4549E+01	4.7777E+01
18	-2.4694E+01	-8.6132E+00	-2.4105E+01	-3.5734E+01
19	2.0645E+00	-9.7600E-01	3.1464E+01	-2.3903E+00
20	1.5942E+01	1.3956E+01	1.5806E+01	-2.1609E+00

	Flat.Bending @81%R, in-lb		Edg.Bending @81%R, in-lb	
MEAN	-4.7222E+03		-4.9047E+03	
1/2PP	3.5601E+03		3.0507E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-1.5874E+02	-3.1501E+02	-5.8935E+02	6.1560E+02
02	-2.2417E+03	1.4905E+01	3.3805E+02	-3.9519E+02
03	-3.5344E+02	1.7049E+02	-1.0003E+03	-1.0650E+02
04	9.1368E+02	-5.2853E+02	7.2949E+02	-1.0221E+02
05	-2.5198E+02	-3.2061E+02	-2.0003E+02	1.6933E+01
06	-7.5784E+01	-1.0387E+01	-1.3088E+02	-2.7310E+01
07	-3.5116E+02	-1.4794E+02	-9.2214E+01	-9.4865E+01
08	-3.1208E+01	-1.7097E+02	1.6480E+02	-1.7950E+02
09	-8.7039E+01	-4.8612E+00	5.6258E+01	1.7034E+02
10	-2.8327E+01	4.0945E+01	3.5239E+02	1.4850E+02
11	-8.1329E+01	2.7194E+01	-1.2926E+02	2.1800E+02
12	-1.3319E+02	-1.4225E+02	3.8083E+01	1.5198E+02
13	6.8786E+01	1.3013E+01	4.4643E+01	-7.0086E+01
14	-3.1141E+01	-4.1311E+00	-5.2288E+00	-2.5850E+01
15	-2.6665E+01	-2.7048E+01	-1.1284E+02	-9.0841E+01
16	4.8597E+00	-1.3219E+01	-4.7716E+01	8.0421E+01
17	3.0851E+01	-1.5014E+01	-6.6175E+01	2.0613E+02
18	5.3944E+00	2.0011E+01	-1.0611E+02	-1.3862E+02
19	-1.5566E+01	-4.5864E+00	1.1046E+02	1.3521E+01
20	-3.0633E+00	-2.2623E+01	-7.3192E+00	-5.4764E+00

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.3296E+03	1.4449E+02
1/2PP	2.2725E+03	1.9813E+02

Nth	COSINE	SINE	COSINE	SINE
01	-1.0000E+01	-6.1162E+01	3.5571E+00	1.6634E+01
02	-5.0537E+01	-6.2992E+00	7.1691E+00	8.9123E+00
03	-3.5091E+01	-2.1335E+01	-2.0967E+00	-3.6237E+00
04	-1.4587E+03	1.4485E+03	1.2298E+02	-9.3623E+01
05	-3.4618E+01	-1.0973E+02	5.7201E+00	1.4629E+01
06	-1.7800E+01	3.8678E+01	1.0931E+00	-3.2768E+00
07	2.8335E+01	-4.9013E+01	-2.1434E+00	8.3823E+00
08	1.7966E+02	3.3297E+02	-2.1156E+01	-6.2166E+00
09	-3.0163E+01	5.2813E+00	-2.0480E+00	9.8599E-01
10	1.8763E+01	3.6865E+00	9.1165E-01	4.1436E-01
11	3.8720E+01	-5.2047E+01	-9.7526E+00	7.3903E+00
12	-4.7531E+00	-8.6185E+00	-1.0618E+01	1.1823E+01
13	-1.1239E+00	1.8002E+01	-2.5547E+00	-3.3134E+00
14	1.0296E+00	-8.9413E+00	1.0132E+00	1.6835E+00
15	-1.4386E+00	-1.2182E+01	-1.1455E+00	-1.6007E+00
16	-7.8896E+00	-1.1616E+01	1.7043E+00	9.4768E+00
17	6.4815E+00	5.8041E+00	5.6797E-02	-1.1744E+00
18	4.6099E+00	9.1897E+00	-1.0568E+00	-8.2661E-02
19	3.8433E+00	-9.4715E-01	3.4338E-01	-9.3973E-01
20	2.4603E+01	-2.0072E+01	-1.4273E+00	1.9997E+00

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	-2.1726E+02	-5.9069E+01
1/2PP	1.7233E+02	3.9788E+02

Nth	COSINE	SINE	COSINE	SINE
01	-7.7963E+00	2.0281E+00	1.2443E+02	1.7582E+02
02	1.4645E+01	-8.6932E+00	6.4289E+01	-1.1738E+01
03	1.8330E+00	3.1204E+00	-6.2601E+01	3.3802E+01
04	4.8312E+01	-1.1566E+02	-9.2439E+01	1.0787E+02
05	2.6353E+00	1.4438E+01	1.2023E+01	7.6912E+01
06	-1.7140E+00	-1.9940E+00	3.8011E+01	3.1474E+01
07	-3.2035E+00	-5.9998E-01	9.2856E+00	3.3731E+01
08	1.7565E+01	-4.3444E+01	6.5049E+00	1.7445E+01
09	-1.3874E+00	-4.1097E+00	-3.2414E-02	2.3942E+00
10	-1.6831E+00	-2.9104E-01	1.8176E+01	8.1578E+00
11	3.0401E+00	1.0318E-01	1.6325E+01	2.5664E+00
12	-3.6185E+00	-8.2189E+00	-1.3818E+00	1.2706E+00
13	4.1264E+00	-6.0858E+00	1.8115E+00	-6.3834E+00
14	-1.8676E+00	1.5971E+00	-5.4945E+00	1.0451E+01
15	2.3873E+00	8.5579E-01	2.4186E-01	-4.5183E+00
16	5.9241E+00	-5.1218E+00	-4.1924E+00	3.9156E+00
17	-7.7917E-01	1.4852E+00	-6.8712E-01	3.2728E-04
18	1.6115E-02	-1.4979E+00	-5.4969E+00	1.5699E-01
19	2.2762E-01	2.6883E-01	2.5984E-02	-2.3741E+00
20	-1.4013E+00	-1.9480E+00	-7.5057E-01	2.5245E+00

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.6840E+01	4.9177E+02
1/2PP	4.7261E+00	1.3628E+03

Nth	COSINE	SINE	COSINE	SINE
01	1.9306E+00	-4.0797E+00	3.0240E+02	1.4189E+03
02	5.2315E-01	5.4971E-01	1.9495E+02	-4.0852E+01
03	2.0819E-02	-8.8750E-03	4.4963E+01	1.1059E+02
04	-4.0364E-01	3.0986E-01	4.2005E+01	-1.4129E+01
05	4.7258E-02	2.3027E-02	-2.5254E+01	-4.1977E+01
06	1.2358E-02	9.4765E-03	-8.5077E+00	1.9420E+01
07	2.0975E-02	3.0649E-02	-1.3920E+01	-2.0022E+01
08	2.6140E-02	8.3475E-02	-3.1567E+01	8.7893E+00
09	-5.9659E-03	3.5784E-02	-1.1741E+01	-4.2422E+00
10	4.5147E-02	6.2194E-02	-3.3693E+01	7.5540E+00
11	2.8462E-02	2.6766E-02	-1.6448E+01	-1.2029E+01
12	1.9556E-03	4.3383E-02	1.8581E+01	-8.8969E+00
13	2.0596E-02	-3.5107E-02	-8.4356E+00	4.0517E+00
14	-1.5101E-03	3.1339E-02	8.1143E+00	-4.6583E-01
15	-1.3612E-03	-1.2254E-02	8.4914E-01	-3.6808E+00
16	-4.9259E-03	1.1360E-02	8.7463E+00	4.2581E+00
17	1.4512E-02	-2.9004E-02	4.5966E+00	2.0654E+00
18	1.5271E-03	6.6731E-03	-4.9509E+00	-5.2512E+00
19	-1.2414E-04	-6.5981E-03	9.0549E+00	1.1314E+00
20	-9.4775E-03	6.5727E-03	-6.7684E+00	-3.0664E+00

	MR Shaft Torque, in-lb
MEAN	1.9753E+05
1/2PP	9.4235E+03

Nth	COSINE	SINE
01	-1.2369E+03	-7.5767E+02
02	4.8469E+03	2.4770E+03
03	-8.7130E+02	7.4762E+02
04	2.5439E+03	3.0380E+02
05	-2.0516E+02	-1.6506E+02
06	-1.3844E+03	1.0742E+03
07	1.4010E+02	9.1383E+01
08	3.2532E+02	-1.7583E+02
09	3.1056E+01	5.3072E+01
10	-1.5405E+02	-4.7126E+01
11	1.3935E+01	-8.4025E+01
12	-3.6702E+02	2.7152E+02
13	4.4467E+01	-1.2732E+02
14	1.5140E+02	2.9448E+02
15	1.1589E+02	-9.8362E+01
16	1.6395E+01	3.1209E+01
17	3.7815E+00	2.6785E+01
18	6.1981E+01	1.4541E+02
19	-1.6365E+01	3.3088E+01
20	4.9647E+01	9.1942E+01

Flight 504, Condition C

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	3.1838E+04	1.2369E+03
1/2PP	1.1983E+04	3.1435E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.8494E+03	9.6446E+02	-1.7595E+04	2.0363E+04
02	-4.6444E+03	3.5601E+01	2.2700E+03	1.1387E+03
03	3.7299E+03	-3.5905E+03	3.0517E+03	4.1184E+02
04	2.9731E+03	-5.5664E+02	4.4746E+02	-1.8801E+02
05	-1.0235E+02	-6.5528E+02	9.3456E+02	-1.1173E+03
06	3.4392E+01	-6.3176E+02	-7.0872E+01	-3.0314E+02
07	-3.0565E+02	2.5086E+01	-1.0337E+02	-1.5673E+02
08	-1.8138E+02	-1.3772E+02	-3.7010E+00	-3.9448E+01
09	-1.4572E+02	-1.8489E+02	4.3701E+02	4.0368E+02
10	-1.2063E+02	3.6102E+01	-3.3745E+02	8.6753E+02
11	-1.0328E+02	1.2899E+02	-2.2596E+02	5.2639E+02
12	-9.7196E+01	1.1642E+01	7.2232E+01	-8.9739E+01
13	1.7101E+02	1.8439E+02	4.2858E+01	2.8564E+01
14	4.9314E+00	1.1685E+02	1.5956E+01	1.8508E+01
15	2.7090E+01	-1.0651E+02	5.6362E+01	-3.8386E+01
16	1.4462E+02	-1.7567E+02	7.1774E+01	-3.0666E+01
17	2.7711E+02	7.0001E+01	-1.1068E+02	2.1121E+01
18	-1.3087E+02	-6.6501E+01	-2.2375E+02	9.9383E+01
19	-4.9417E+01	-8.9040E+01	-8.4921E+01	-6.6655E+01
20	1.1983E+01	-6.5594E+01	7.1131E+00	3.1559E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.1573E+04	3.9693E+03
1/2PP	3.2187E+03	1.5045E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.1659E+03	1.0203E+02	-1.1843E+04	8.2020E+03
02	-1.3474E+03	9.3442E+02	5.7735E+02	7.6503E+02
03	3.0609E+02	-3.0464E+02	1.0999E+03	-7.2920E+02
04	1.1476E+02	-1.4812E+02	1.1552E+02	-3.3053E+02
05	-8.1902E+01	9.2596E+01	3.5582E+02	-1.5693E+02
06	-6.5032E+01	1.0228E+02	8.5999E+00	-1.1105E+02
07	7.8780E+01	2.0033E+02	-7.0973E+01	-5.9878E+01
08	1.7771E+02	6.7615E+01	-1.2945E+01	1.3711E+01
09	1.6440E+02	6.8588E+01	7.5127E+01	5.0791E+01
10	8.2392E+01	-3.5983E+01	-1.2257E+01	1.2635E+02
11	1.3307E+02	-9.0045E+01	3.2882E-01	1.0112E+02
12	6.7200E+01	2.4541E+01	-1.0594E+00	7.2555E-01
13	-5.9771E+01	-1.7975E+02	1.5338E+01	-3.2635E+01
14	-2.7993E+01	-6.1964E+01	1.0063E+01	6.5851E+00
15	-2.0918E+01	1.0168E+02	7.4215E+00	-1.3243E+01
16	-9.7940E+01	1.9253E+02	-4.9149E-01	-1.7328E+01
17	-2.8713E+02	-7.4978E+01	-1.3696E+01	-3.7392E+01
18	1.7272E+02	6.2602E+01	3.1221E+01	7.7189E+00
19	5.4783E+01	8.1219E+01	-1.3542E+01	1.6926E+01
20	-3.8141E+00	4.5504E+01	-1.3576E+01	1.7732E+01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9552E+04	1.0587E+03
1/2PP	2.9645E+03	1.1491E+04

Nth	COSINE	SINE	COSINE	SINE
01	-3.7896E+02	6.2708E+02	-8.1268E+03	7.4944E+03
02	-7.2478E+02	5.4578E+02	8.4372E+02	3.5725E+02
03	-6.3860E+02	4.9042E+02	3.4292E+02	-7.1878E+02
04	-7.0531E+02	-9.8784E+01	1.7822E+02	-5.2477E+02
05	-5.7935E+01	2.3444E+02	-9.8231E+00	2.1344E+01
06	-9.7193E+01	2.6995E+02	-2.4578E+01	-3.2762E+01
07	1.8961E+02	1.3038E+02	-1.4479E+02	-8.5250E+01
08	1.8505E+02	3.6078E+01	-7.6908E+01	1.4269E+01
09	1.4570E+02	8.7074E+01	-2.0743E+02	-1.2345E+02
10	8.2057E+01	-1.0252E+02	5.4585E+01	-3.0953E+02
11	8.5519E+01	-1.6489E+02	4.7831E+01	-1.6473E+02
12	4.9543E+01	-1.5861E+01	-8.7480E+00	2.8895E+01
13	-1.1976E+02	-1.0674E+02	-4.5336E+00	3.9139E+00
14	-9.0811E+00	-6.3486E+00	8.9078E+00	-1.1511E+01
15	-5.3264E+00	4.2947E+01	-3.7990E+00	7.2712E+00
16	-1.9417E+01	8.8126E+01	-8.8815E+00	4.0493E-01
17	-7.1809E+01	3.0615E+00	3.8597E+01	-8.7561E+00
18	4.0625E+01	-6.5423E-02	8.0282E+01	-8.3544E+01
19	1.2709E+01	-8.8780E+00	4.9070E+01	3.0960E+01
20	6.8032E+00	-5.9646E+00	4.6567E+00	-1.6242E+01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.3132E+04	-3.9841E+03
1/2PP	2.8054E+03	1.1393E+04

Nth	COSINE	SINE	COSINE	SINE
01	-4.0049E+02	-1.6877E+02	-6.1176E+03	8.5115E+03
02	-6.9294E+02	4.1570E+01	1.1675E+03	2.1125E+02
03	-1.1967E+03	8.1916E+02	-3.6478E+02	-7.9014E+02
04	-9.0133E+02	-7.0521E+01	3.6449E+02	-7.2580E+02
05	-7.6558E+00	1.4815E+02	-5.3584E+02	1.6406E+02
06	-4.5562E+01	1.9322E+02	-9.7910E+01	1.1335E+02
07	1.6200E+02	-4.6683E+01	-5.1516E+01	6.4601E+01
08	-4.0304E+00	-8.2960E+01	-5.8626E+00	1.4425E+01
09	-2.0716E+01	-4.1539E+01	-2.6823E+02	-1.5618E+02
10	-2.6840E+01	-6.7718E+01	1.0205E+02	-4.6256E+02
11	-9.6835E+01	-6.4261E+01	1.0764E+02	-2.9147E+02
12	-3.6809E+01	-6.4510E+01	1.2239E+01	3.1128E+01
13	9.5952E-02	1.1647E+02	-4.7726E+01	4.5409E+01
14	3.0765E+01	6.4152E+01	-2.6745E+01	-5.1331E+01
15	1.3635E+01	-6.1641E+01	-2.9703E+01	8.2227E+01
16	7.7267E+01	-1.4756E+02	-5.1037E+01	8.0491E+01
17	2.2938E+02	6.6029E+01	-9.5715E+01	5.9885E+01
18	-1.4696E+02	-4.2358E+01	-4.5096E+01	6.2908E+01
19	-5.1605E+01	-6.3830E+01	1.2737E+01	1.6637E+00
20	4.4497E-01	-3.8887E+01	1.2797E+01	-2.1189E+01

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	5.0598E+03	-1.9644E+03
1/2PP	3.4977E+03	8.0274E+03

Nth	COSINE	SINE	COSINE	SINE
01	-2.8414E+02	-1.4335E+03	-3.6914E+03	4.8137E+03
02	-1.2510E+03	-2.9398E+02	1.0366E+03	-7.6005E+00
03	-1.0254E+03	7.1827E+02	-1.1968E+03	-7.6039E+02
04	-3.5781E+02	3.0095E+01	4.5656E+02	-5.9142E+02
05	8.4938E+01	-7.7575E+01	-1.0573E+03	2.5053E+02
06	-1.8849E+01	-1.0681E+02	-8.3070E+01	2.1916E+02
07	-3.1532E+01	-1.2699E+02	2.2972E+02	4.1757E+02
08	-6.4629E+01	5.4771E+00	1.5795E+02	-1.5594E+01
09	-8.5976E+01	-6.4907E+00	8.0040E+01	8.1858E+01
10	-3.9418E+01	6.7712E+01	-2.0985E+01	9.9996E+01
11	4.2690E+01	1.5473E+02	2.1675E+01	-5.0832E+00
12	-4.6811E+00	8.4761E+01	2.6972E+01	-3.5590E+01
13	3.7770E+01	1.5189E+01	-5.0044E+01	1.4184E+01
14	-3.5573E+01	-5.9313E+01	-4.4233E+01	-5.1717E+01
15	7.6243E+00	1.4929E+01	-3.8183E+01	8.8910E+01
16	-5.3063E+01	8.1424E+01	-6.9637E+01	8.0108E+01
17	-1.6381E+02	-5.2901E+01	-2.2094E+02	2.8602E+01
18	9.8409E+01	2.8007E+01	-2.1277E+02	2.4139E+02
19	3.8396E+01	4.8298E+01	-9.3213E+01	-5.3257E+01
20	1.4061E-01	2.3907E+01	-1.3615E+01	2.8938E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-2.8897E+02	8.6473E+03
1/2PP	3.5037E+03	4.8592E+03

Nth	COSINE	SINE	COSINE	SINE
01	-3.6601E+02	-1.2853E+03	-1.6197E+03	2.0434E+03
02	-1.8966E+03	-3.3425E+02	9.9113E+02	-3.3903E+02
03	-5.5625E+02	4.9427E+02	-1.3908E+03	-3.7344E+02
04	3.2173E+02	7.1632E+00	6.2411E+02	-3.1857E+02
05	3.4581E+01	-2.5064E+01	-8.8033E+02	4.0086E+01
06	8.0730E+01	-1.0244E+02	-1.1229E+02	1.6717E+02
07	-1.2676E+02	1.1106E+01	3.7491E+02	5.0430E+02
08	-5.8275E+01	5.2726E+01	2.7670E+02	-4.4835E+00
09	3.1463E+01	5.5350E+01	3.8874E+02	2.4202E+02
10	4.8290E+01	9.6312E+00	-1.0381E+02	4.7865E+02
11	1.1347E+01	-1.0420E+02	-7.8291E+01	2.5381E+02
12	2.4092E+01	-7.6069E+01	8.3177E+00	-1.7061E+01
13	-3.0417E+01	-1.1721E+02	-2.3999E+01	-2.7635E+01
14	1.7491E+01	3.7581E+01	2.8221E+00	5.3049E+01
15	-3.1670E+01	2.3908E+01	2.8042E+00	-2.0796E+01
16	2.3808E+01	-2.4317E+01	3.1518E+01	-3.5928E+01
17	9.2264E+01	3.3383E+01	8.1247E+01	-2.5509E+01
18	-3.5170E+01	-1.1698E+01	4.6553E+01	-8.9804E+01
19	-2.8563E+01	-2.7239E+01	-5.5571E+00	7.9867E+00
20	-4.7548E+00	-2.3138E+01	-1.1626E+01	-6.4235E-01

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.7327E+03	-5.0954E+03
1/2PP	3.2537E+03	2.7530E+03

Nth	COSINE	SINE	COSINE	SINE
01	-4.7439E+01	-3.9681E+02	-5.9381E+02	5.4070E+02
02	-2.2782E+03	-1.6705E+02	3.7798E+02	-3.6649E+02
03	-3.0780E+02	1.8518E+02	-9.9801E+02	-2.7668E+02
04	8.6159E+02	-2.4266E+02	5.1048E+02	4.1883E+01
05	9.8549E+00	-1.8575E+02	-2.4206E+02	-1.1932E+02
06	-2.7420E+01	4.0569E+01	-8.3875E+01	-1.9764E+01
07	1.8924E+01	1.8108E+02	2.0222E+02	3.0239E+02
08	7.8175E+01	-5.3592E+01	2.1123E+02	-6.0532E+00
09	4.8794E+00	-6.8554E+01	3.3431E+02	1.5664E+02
10	-2.9752E+01	-3.2959E+01	-6.4932E+01	2.9456E+02
11	-2.7308E+01	3.3160E+01	-1.1795E+02	1.7208E+02
12	-7.4921E+00	1.9419E+01	-2.1815E+01	4.6996E+00
13	2.2626E+01	1.0595E+02	5.3216E+01	2.1372E+01
14	-1.9838E+01	1.5474E+00	7.0076E+01	6.8548E+01
15	1.4794E+01	-4.2942E+01	6.3592E+01	-1.3524E+02
16	7.1751E+00	-1.4814E+01	8.7032E+01	-1.1789E+02
17	-4.1152E+01	1.1299E+01	2.1318E+02	-4.1991E+01
18	-5.1521E+00	1.1838E+01	2.3193E+02	-2.5076E+02
19	5.1672E+00	-3.1740E+00	1.1166E+02	6.7402E+01
20	1.8009E+01	-6.1281E-01	2.0002E+01	-4.2151E+01

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.3692E+03	1.5833E+02
1/2PP	1.9830E+03	1.6447E+02

Nth	COSINE	SINE	COSINE	SINE
01	-5.8761E+00	-6.1290E+01	2.4333E+00	1.5794E+01
02	-7.3858E+00	1.9520E+00	1.5820E+00	7.6835E+00
03	-5.6144E+01	1.1469E+00	2.0788E+00	-7.4254E+00
04	-1.5576E+03	8.3732E+02	1.1437E+02	-5.0488E+01
05	8.3832E+01	-6.5753E+01	-1.1156E+01	2.9907E+00
06	-1.5656E+01	5.6546E+01	-2.1744E+00	-8.0539E+00
07	4.9052E+01	-3.0765E+01	-5.6989E+00	6.4977E+00
08	-6.8840E+01	2.3639E+02	-5.7669E+00	-1.0849E+01
09	7.4345E+00	-3.2270E+01	-5.3946E+00	-1.0855E+00
10	2.0759E+01	1.1803E+01	-1.4961E+00	2.6408E+00
11	4.8614E+01	-1.3166E+01	-6.7769E+00	-1.9031E+00
12	-6.8210E+00	4.6552E+01	-4.7908E+00	-1.4131E+01
13	-1.5767E+01	-3.8692E-01	3.4310E+00	-2.9816E+00
14	1.3094E+00	-1.0709E-01	-2.4037E+00	2.2902E-01
15	1.0638E+01	-8.3950E+00	1.3761E+00	-2.7103E-01
16	2.4800E+01	-1.5323E+00	2.1653E+00	9.6453E-01
17	-1.4949E+01	-4.8236E-01	7.5292E-01	6.8392E-01
18	6.2740E-02	1.0414E+01	6.7549E-01	-8.2922E-01
19	-4.4651E+00	-6.8036E+00	9.4006E-01	1.4694E+00
20	1.1959E+00	-2.2415E+01	-2.9998E+00	4.5610E-02

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-2.1402E+02		-5.9979E+01	
1/2PP	1.6321E+02		4.5940E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-7.7033E+00	4.4270E+00	1.2481E+02	1.8211E+02
02	1.2059E+01	-4.5235E+00	7.1207E+01	-2.4921E+00
03	8.8139E-01	1.4889E+00	-6.4624E+01	1.8233E+01
04	7.5455E+01	-8.1193E+01	-1.0048E+02	7.8409E+01
05	-6.8820E+00	1.7307E+01	-5.2606E+00	6.7589E+01
06	4.4856E+00	-1.4064E+00	3.1476E+01	3.8006E+01
07	-3.6582E-01	-1.6010E+00	-2.9098E+01	1.3263E+01
08	2.9676E+01	-4.0624E+00	-1.0449E+01	1.5106E+01
09	4.1378E+00	-1.1446E+00	1.1456E+00	4.7709E+00
10	1.3473E+00	-2.5688E+00	6.6259E+00	1.5406E+01
11	-3.8782E+00	4.8748E-01	5.1346E-01	1.1810E+01
12	-5.3527E-01	-1.3249E+01	1.3305E+00	-2.1174E+00
13	5.6738E+00	4.7316E+00	1.0979E+01	-2.5987E+00
14	1.6874E-01	-2.4592E+00	-1.4773E+00	-1.4502E+01
15	-7.1683E-01	1.2352E+00	-2.0546E+00	5.2833E-02
16	-9.4305E+00	6.4267E+00	-5.4367E+00	-8.4187E-01
17	-3.3447E-01	2.8140E-02	3.5986E+00	-4.7201E-01
18	8.5515E-01	2.4602E-01	-4.2119E+00	-2.0120E+00
19	-7.9381E-01	4.2016E-01	7.4797E-01	1.4699E+00
20	1.6911E+00	8.7098E-01	8.1266E-01	3.7472E+00

	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.6201E+01		4.9437E+02	
1/2PP	4.9338E+00		1.3731E+03	
Nth	COSINE	SINE	COSINE	SINE
01	2.0681E+00	-4.1542E+00	2.3823E+02	1.4272E+03
02	4.8694E-01	5.7340E-01	1.8080E+02	-3.4779E+01
03	7.9106E-03	-5.4763E-02	3.0255E+01	1.1988E+02
04	-3.9791E-01	2.1313E-01	2.9729E+01	-1.8734E+01
05	7.5844E-02	6.4137E-02	-6.4501E+00	-5.3501E+01
06	2.3399E-02	-1.0798E-03	-1.8378E+01	4.7066E+00
07	-4.2877E-02	-1.4777E-02	-2.6499E+01	-2.5951E+01
08	-1.3105E-03	7.9504E-02	-1.1357E+01	-7.2224E+00
09	3.1594E-02	2.6158E-02	-1.6555E+01	-2.9735E+00
10	-4.5132E-02	8.7395E-02	-1.2442E+01	-2.1546E+01
11	-2.0807E-02	6.1293E-02	-1.0299E+01	-1.2963E+01
12	8.8059E-03	-3.8798E-04	8.8819E+00	-7.4320E+00
13	4.2256E-02	-2.5254E-02	-6.8408E+00	-3.4943E+00
14	-4.1526E-03	-1.4958E-03	2.8446E+00	8.5366E-01
15	7.7023E-03	-9.4896E-03	6.2722E+00	-4.0143E+00
16	-6.2546E-03	1.0250E-03	9.8529E+00	5.7246E+00
17	-9.2773E-03	-1.4592E-02	-3.4860E+00	7.3544E-01
18	-1.1682E-02	4.9576E-04	7.6121E+00	-2.3683E+01
19	4.6166E-03	-3.2256E-03	1.1528E+01	-1.3149E-01
20	6.0665E-04	1.4027E-02	5.9678E+00	-1.8503E+00

	MR Shaft Torque, in-lb
MEAN	1.8460E+05
1/2PP	9.9288E+03

Nth	COSINE	SINE
01	-5.4051E+02	-4.0809E+02
02	4.6949E+03	4.7393E+03
03	-4.7794E+02	6.3380E+02
04	3.1120E+03	2.4998E+03
05	-1.7110E+00	1.6955E+02
06	-6.7374E+02	8.1291E+02
07	2.5345E+02	3.0332E+02
08	4.4242E+01	-2.4072E+02
09	-7.8811E+01	6.5407E+01
10	-2.0202E+02	4.3524E+02
11	4.3773E+01	-1.0150E+02
12	-2.2664E+02	5.5498E+02
13	7.7413E+01	2.2321E+01
14	-1.2238E+02	1.9023E+02
15	2.0911E+01	-3.4769E+01
16	-3.6799E+01	8.4368E+01
17	2.2908E+01	-3.0358E+01
18	6.7029E+01	2.0474E+02
19	-2.3637E+01	-6.8120E+01
20	2.5726E+01	6.0761E+00

Flight 504, Condition D

	Flat.Bending @3.2%R, in-lb		Edg.Bending @6.8%R, in-lb	
MEAN	3.1746E+04		2.1857E+03	
1/2PP	1.2112E+04		3.2649E+04	

Nth	COSINE	SINE	COSINE	SINE
01	6.9905E+02	1.0799E+03	-1.7289E+04	2.1940E+04
02	-5.6813E+03	-7.9103E+02	2.1821E+03	1.2804E+03
03	3.5307E+03	-3.9726E+03	3.3047E+03	1.6825E+02
04	2.9360E+03	-1.1538E+03	4.7690E+02	-5.7981E+01
05	3.6383E+02	-2.8545E+02	1.0391E+03	-1.1912E+03
06	1.7321E+02	-8.4758E+02	8.7721E+01	-3.7800E+02
07	-2.5995E+02	-3.6732E+02	-1.5127E+02	-1.7233E+02
08	2.6121E+02	-3.4144E+02	-1.3991E+01	5.9666E+01
09	-2.1482E+02	-4.1348E+02	5.7157E+02	2.2638E+02
10	-1.5328E+02	-1.2782E+01	-9.9522E+02	5.1474E+02
11	-1.2565E+02	2.6320E+02	-6.9525E+02	7.8908E+02
12	-6.0452E+02	3.3465E+02	2.8817E+02	6.3923E+00
13	9.2412E+01	1.3687E+02	9.0737E+00	9.7734E+01
14	-9.9452E+01	3.0746E+02	-2.8247E+01	1.5945E+02
15	-1.4768E+01	8.4458E+01	-4.0867E+01	2.2331E+01
16	9.5802E+01	-2.1004E+02	1.0759E+02	8.9687E+00
17	7.3533E+02	-1.5706E+02	-1.7197E+02	8.6672E+01
18	-7.5297E+01	1.1342E+02	-1.1317E+02	1.6471E+02
19	-9.5095E+01	-6.1768E+01	-2.8548E+01	1.0390E+02
20	-2.7469E+00	-1.2374E+02	-2.2093E+01	1.2015E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.1411E+04	4.4891E+03
1/2PP	3.9517E+03	1.5854E+04

Nth	COSINE	SINE	COSINE	SINE
01	7.2186E+02	1.3144E+02	-1.2079E+04	9.2565E+03
02	-1.5531E+03	7.3948E+02	4.9646E+02	8.9175E+02
03	3.1784E+02	-3.5313E+02	1.0673E+03	-8.6524E+02
04	1.4602E+02	-1.7939E+02	5.3244E+01	-3.0564E+02
05	-2.2529E+02	-2.0181E+01	3.4485E+02	-2.2236E+02
06	-1.5324E+02	1.1651E+02	4.9075E+01	-1.4219E+02
07	-2.5818E+01	4.7711E+02	-5.0742E+01	-1.3775E+02
08	-1.2492E+02	1.7501E+02	-6.2693E+01	1.1113E+01
09	9.2029E+01	1.8865E+02	7.2321E+01	3.5938E+01
10	9.1084E+01	1.2902E+01	-1.0678E+02	8.5394E+01
11	1.9689E+02	-1.7362E+02	-7.1872E+01	1.0606E+02
12	4.4837E+02	-1.6736E+02	1.4375E+02	1.9919E+01
13	3.1042E+01	-1.9198E+02	2.4830E+00	-1.6167E+01
14	1.8304E+01	-2.3100E+02	-4.7716E+00	4.0631E+01
15	-2.3658E+00	-4.0914E+01	-1.6179E+01	1.0827E+01
16	-4.0024E+01	2.0881E+02	2.2647E+01	3.0733E+01
17	-7.4355E+02	1.7109E+02	-8.4010E+01	-3.4031E+01
18	6.9659E+01	-1.6510E+02	3.0914E+01	-4.7467E+01
19	1.2873E+02	2.2732E+01	1.3729E+01	2.1079E+01
20	-7.0340E+00	8.4033E+01	-1.8901E+01	2.1326E+01

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9484E+04	1.4223E+03
1/2PP	3.6763E+03	1.2359E+04

Nth	COSINE	SINE	COSINE	SINE
01	-6.2994E+02	7.4829E+02	-8.1710E+03	8.2171E+03
02	-7.8651E+02	4.6246E+02	8.2802E+02	4.6574E+02
03	-5.7487E+02	5.1028E+02	3.3798E+02	-7.6150E+02
04	-6.7877E+02	2.0327E+01	1.3117E+02	-6.0314E+02
05	-3.4373E+02	-2.2421E+01	3.4569E+01	2.0599E+01
06	-2.5986E+02	3.3364E+02	3.5885E+01	-3.0153E+01
07	9.1206E+01	4.8783E+02	-1.2004E+02	-2.5667E+02
08	-1.6713E+02	1.8265E+02	-5.0600E+01	2.9427E+01
09	1.3154E+02	2.6469E+02	-2.5077E+02	-1.0508E+02
10	1.4802E+02	-1.0348E+01	2.8234E+02	-1.9274E+02
11	1.4323E+02	-2.6101E+02	1.6691E+02	-2.5781E+02
12	3.7457E+02	-2.4410E+02	-5.7552E+01	5.0376E+00
13	-7.2491E+01	-1.0324E+02	1.4383E+01	-8.9387E+00
14	-8.1767E+00	-7.2015E+01	2.5046E+01	-4.2271E+01
15	6.8690E+00	-5.2897E+01	3.1279E+01	-2.2948E+01
16	5.1524E+00	8.9336E+01	7.4721E+00	-1.4382E+01
17	-1.5612E+02	9.3702E+01	7.9871E+01	-5.6419E+01
18	1.4715E+01	-3.3659E+01	1.7917E+01	-1.0050E+02
19	5.8783E+00	-2.0165E+01	1.7168E+01	-6.2704E+01
20	-3.5202E-01	-2.0299E+01	1.5212E+01	-3.5672E+00

	Flat.Bending @31%R, in-lb		Edg.Bending @31%R, in-lb	
MEAN	1.3080E+04		-3.6592E+03	
1/2PP	3.3576E+03		1.1790E+04	
Nth	COSINE	SINE	COSINE	SINE
01	-3.7237E+02	-8.9344E+01	-6.0994E+03	9.0373E+03
02	-6.7055E+02	1.5224E+01	1.1707E+03	2.8833E+02
03	-1.1290E+03	8.7297E+02	-3.2937E+02	-7.7968E+02
04	-8.8549E+02	8.8247E+01	3.6509E+02	-9.4701E+02
05	-2.3456E+02	-5.0229E+01	-4.8548E+02	1.6870E+02
06	-1.8166E+02	2.5346E+02	-1.1410E+02	1.6494E+02
07	1.8727E+02	1.2088E+02	-7.1127E+01	1.4614E+01
08	-3.9607E+01	4.1123E+01	-1.1606E+01	5.3002E+01
09	2.5963E+01	8.6923E+00	-3.1777E+02	-1.4911E+02
10	3.0079E+01	-3.3550E+01	4.4081E+02	-2.6686E+02
11	-1.2838E+02	-2.3779E+01	3.4856E+02	-4.1981E+02
12	-2.7977E+02	-3.1885E+01	-1.4726E+02	-4.5652E+01
13	-8.2122E+01	1.0845E+02	2.0434E+01	6.3138E+00
14	-2.4106E+01	1.7518E+02	1.5922E+01	-1.4024E+02
15	1.0454E+01	2.5110E+01	3.2434E+01	-8.2309E+00
16	2.4209E+01	-1.6755E+02	-7.6082E+01	1.7452E+01
17	6.0870E+02	-1.3610E+02	-1.5403E+02	1.5100E+02
18	-5.2615E+01	1.4208E+02	-2.9901E+01	9.6422E+01
19	-9.7043E+01	-7.5320E+00	1.4958E+01	1.0784E+01
20	-1.0221E+01	-5.8997E+01	2.0500E+01	-5.2893E+00

	Flat.Bending @48%R, in-lb		Edg.Bending @48%R, in-lb	
MEAN	5.0133E+03		-1.7557E+03	
1/2PP	3.5292E+03		8.9548E+03	
Nth	COSINE	SINE	COSINE	SINE
01	-2.0032E+02	-1.4277E+03	-3.7257E+03	5.1588E+03
02	-1.2385E+03	-2.3000E+02	1.0489E+03	2.9357E+00
03	-1.0079E+03	7.1266E+02	-1.2615E+03	-6.4943E+02
04	-3.7864E+02	8.5270E+01	5.2886E+02	-8.6411E+02
05	1.0420E+02	-7.7815E+01	-1.0425E+03	2.6171E+02
06	7.1487E+01	-1.3609E+02	-2.7166E+02	3.0888E+02
07	7.9940E-01	-3.8495E+02	1.8749E+02	7.3973E+02
08	1.8465E+02	-1.4334E+02	1.2800E+02	-7.5240E+00
09	-6.6787E+01	-1.2513E+02	8.7457E+01	2.3966E+00
10	-1.0695E+02	-1.6508E+01	-1.2472E+02	9.9949E+01
11	1.6069E+01	1.4516E+02	2.1968E+01	2.6510E+01
12	-2.2751E+01	2.2553E+02	-3.2896E+01	-3.2239E+01
13	8.8842E+01	6.8991E+01	-5.2015E+01	-3.7942E+01
14	-2.0712E+00	-5.4110E+01	-6.0314E+01	-8.7975E+01
15	-1.1296E+01	-1.1775E+01	-6.0636E+01	2.8623E+01
16	-1.4440E+01	1.0430E+02	-1.4488E+02	8.9753E+01
17	-4.3453E+02	7.9470E+01	-5.1475E+02	2.1162E+02
18	3.6311E+01	-1.0357E+02	-5.0302E+01	2.7925E+02
19	6.8044E+01	6.3181E+00	-3.0827E+01	1.4788E+02
20	4.4006E+00	4.2788E+01	-2.7460E+01	6.1116E+00

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-3.5624E+02	1.5830E+02
1/2PP	3.7574E+03	6.0133E+03

Nth	COSINE	SINE	COSINE	SINE
01	-2.4096E+02	-1.2798E+03	-1.6204E+03	2.5642E+03
02	-2.0082E+03	-2.9955E+02	1.0045E+03	-3.7037E+02
03	-5.5249E+02	5.0770E+02	-1.4930E+03	-2.5250E+02
04	3.1994E+02	-8.1515E+01	6.8241E+02	-4.6441E+02
05	8.9851E+01	8.2873E+01	-8.3910E+02	1.2809E+02
06	1.3151E+02	-6.8842E+01	-3.0599E+02	2.4190E+02
07	-9.7884E+01	-7.9214E+01	3.0496E+02	9.4586E+02
08	-7.2656E+01	1.1841E+00	1.3918E+02	2.2997E+01
09	-3.0891E+01	7.2149E+01	4.3569E+02	2.1543E+02
10	5.1376E+01	9.7707E+01	-4.8367E+02	3.2890E+02
11	6.7825E+01	-8.6606E+01	-3.1785E+02	3.3707E+02
12	2.4555E+02	-2.3706E+02	1.4288E+02	-1.7477E+01
13	-2.2877E+01	-1.9545E+02	-8.4433E+01	-3.7583E+01
14	8.2363E+00	-5.2743E+01	-5.3342E+01	1.0304E+02
15	-1.9919E+01	6.3772E+00	-5.7881E+01	-6.7509E+00
16	-8.9465E+00	-3.4790E+01	5.4601E+01	-6.0352E+00
17	2.2467E+02	-1.6726E+01	1.7034E+02	-1.2061E+02
18	-2.9949E+00	5.1534E+01	1.7588E+01	-1.2284E+02
19	-3.7942E+01	1.9713E+00	-2.1316E+01	-5.5998E+01
20	-1.0387E+01	-3.3291E+01	-2.0223E+01	-5.3790E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.7325E+03	-5.1398E+03
1/2PP	3.5102E+03	3.1209E+03

Nth	COSINE	SINE	COSINE	SINE
01	-3.5038E+00	-4.2931E+02	-5.9145E+02	6.4626E+02
02	-2.4096E+03	-1.8551E+02	4.2945E+02	-3.5947E+02
03	-3.5667E+02	1.2891E+02	-1.0518E+03	-2.4512E+02
04	8.8408E+02	-3.0529E+02	5.3105E+02	-5.2207E+01
05	8.9527E+01	-1.5112E+02	-1.7946E+02	-5.2328E+01
06	-1.2877E+02	1.6383E+01	-1.7166E+02	-4.1621E+01
07	-2.3552E+01	4.2015E+02	1.0496E+02	6.0750E+02
08	-6.3128E+01	9.2393E+01	4.9619E+01	4.8110E+01
09	6.7243E+01	-2.2599E+01	3.7687E+02	2.1775E+02
10	6.6035E+00	-8.3667E+01	-2.9447E+02	1.5384E+02
11	-7.3719E+01	8.7280E+00	-2.9833E+02	2.0160E+02
12	-1.8324E+02	1.2801E+02	6.1768E+01	4.8900E+01
13	9.4364E+00	1.4882E+02	-1.2053E+01	8.8753E+01
14	-9.0509E+00	8.0783E+01	5.7335E+01	2.0493E+02
15	9.6812E+00	-1.6812E+01	7.0442E+01	-5.6195E+01
16	2.7356E+01	-1.7236E+01	1.7946E+02	-1.1078E+02
17	-8.5756E+01	2.6366E+01	4.7629E+02	-2.6583E+02
18	-2.6158E+01	-1.8393E+00	3.7294E+01	-2.9878E+02
19	3.1385E-01	-1.1814E+01	3.7194E+01	-1.6086E+02
20	1.7875E+01	-3.4876E+00	4.5611E+01	-7.8441E+00

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.5540E+03	1.9216E+02
1/2PP	2.3612E+03	1.9717E+02

Nth	COSINE	SINE	COSINE	SINE
01	2.5199E+01	-6.5038E+01	9.6495E-01	1.3307E+01
02	-4.8515E+01	-1.0266E+01	3.9305E+00	5.7839E+00
03	5.8442E+00	-1.7993E+01	6.7512E-01	-6.8717E+00
04	-1.6143E+03	1.1137E+03	1.3246E+02	-7.5292E+01
05	8.5520E+01	-1.8071E+01	-1.2142E+01	-2.6962E+00
06	3.3332E+00	5.1501E+01	-2.9961E+00	-7.5751E+00
07	7.9519E+01	-2.3360E+01	-1.1124E+01	4.5222E+00
08	4.9231E+01	1.6364E+02	-9.7511E+00	1.8020E+00
09	-1.3602E+01	-1.2162E+01	-2.7802E+00	-3.6192E+00
10	1.0872E+01	-3.2485E-01	-9.6257E-01	8.7305E-01
11	5.5149E+01	1.8541E+01	-4.9726E+00	-4.8769E+00
12	-5.0142E+01	1.6633E+02	7.2241E+00	-2.3949E+01
13	-2.0410E+01	1.5030E+01	4.7404E+00	-7.7147E-01
14	2.4255E+00	-1.4370E+01	1.5951E-01	8.5286E-01
15	1.0787E+01	5.9626E+00	-5.8950E-01	-1.0579E+00
16	5.1564E+01	8.0703E+00	6.6803E+00	-5.0814E+00
17	-1.6150E+01	8.2592E+00	4.0930E-01	1.4646E-01
18	-2.1135E+00	7.0169E-01	4.6107E-01	-2.5425E-01
19	-3.0237E+00	1.6718E+00	2.2203E+00	1.4625E+00
20	-1.5969E+01	-5.2732E+01	3.4257E+00	4.3082E+00

	Lateral Cyclic Load, lb	Spider Arm Load, lb
MEAN	-2.2830E+02	-7.4844E+01
1/2PP	1.9596E+02	5.5797E+02

Nth	COSINE	SINE	COSINE	SINE
01	-8.9811E+00	6.2426E+00	1.3229E+02	2.0802E+02
02	1.3013E+01	-5.4439E+00	8.6459E+01	1.0852E+01
03	-2.2785E+00	4.2311E+00	-6.4543E+01	2.9051E+01
04	8.0104E+01	-1.1937E+02	-9.9446E+01	1.0325E+02
05	-7.5869E+00	1.5580E+01	-2.0635E-01	9.1011E+01
06	3.0531E+00	3.9549E+00	6.3106E+01	4.1838E+01
07	-1.3660E+00	-4.0418E+00	-2.6433E+01	1.6939E+00
08	1.1327E+01	8.6447E+00	-1.4298E+01	9.4713E+00
09	9.3288E+00	-1.3477E+00	8.1840E-01	2.4136E+00
10	8.8659E-01	-5.5555E-01	7.5163E+00	1.0418E+01
11	-5.5896E+00	-3.0634E-01	6.9590E+00	9.2875E+00
12	-9.5107E+00	-2.2621E+01	2.6993E+00	-8.3263E+00
13	2.9083E+00	1.4464E+00	1.5474E+01	3.1951E-01
14	-2.4505E+00	1.6990E+00	1.2297E+01	-2.8334E+01
15	1.6791E+00	-2.4615E+00	2.4236E+00	1.9409E-01
16	-1.6863E+01	9.4257E+00	-6.8220E+00	2.2855E+00
17	-1.4839E+00	-6.3505E-02	5.6614E+00	-4.4201E+00
18	2.3923E+00	3.3186E-01	-1.7922E+00	2.9955E+00
19	-1.7998E+00	4.7236E-01	-2.4639E+00	3.4331E+00
20	-2.1359E+00	2.6903E+00	4.4783E+00	7.0296E+00

	Blade Feathering Angle, deg	Lag Damper Load, lb
MEAN	1.6461E+01	4.9529E+02
1/2PP	5.3980E+00	1.3696E+03

Nth	COSINE	SINE	COSINE	SINE
01	2.2399E+00	-4.4196E+00	3.4216E+02	1.4129E+03
02	5.4469E-01	5.5570E-01	1.9329E+02	-4.4694E+01
03	3.6704E-02	1.2263E-02	7.6021E+01	1.2427E+02
04	-4.1740E-01	2.7915E-01	4.6891E+01	-2.6166E+01
05	9.4271E-02	1.6435E-01	6.6426E+00	-5.3763E+01
06	8.8313E-02	-1.4608E-02	-6.6713E+00	1.1273E+01
07	-3.0922E-02	-4.3917E-02	-3.6564E+01	-3.5032E+01
08	-7.8242E-03	6.2723E-02	-6.9969E+00	2.4249E+01
09	4.1851E-02	3.8317E-02	-1.3079E+01	3.0157E+00
10	-9.0373E-02	5.1084E-02	1.8234E-01	-1.3376E+01
11	-4.2860E-02	9.6369E-02	-1.3004E+01	-8.5494E+00
12	4.4490E-02	1.9085E-02	1.0981E+01	-2.7879E+01
13	5.1162E-02	-2.3003E-02	-1.0046E+00	-4.3089E+00
14	1.1728E-02	-1.1077E-02	7.7695E+00	-9.9926E-01
15	1.1692E-02	-2.6683E-03	6.9492E+00	-1.3851E+01
16	-6.5107E-03	-4.1788E-03	2.4707E+01	-3.3432E+00
17	-2.9326E-02	-5.0454E-03	6.9652E+00	-4.4280E+00
18	-1.8732E-02	-2.2900E-03	-1.1371E+01	-2.0686E+01
19	1.8102E-03	9.1199E-03	6.0232E+00	-1.5242E+01
20	-2.1629E-03	5.6230E-03	2.9898E+00	-2.5183E+00

	MR Shaft Torque, in-lb
MEAN	1.8953E+05
1/2PP	1.3060E+04

Nth	COSINE	SINE
01	2.9300E+02	-8.6799E+02
02	5.7926E+03	6.0191E+03
03	-2.8330E+02	4.8176E+02
04	3.2668E+03	3.3340E+03
05	2.3929E+02	4.4491E+02
06	-2.5489E+02	1.1787E+03
07	1.9339E+02	7.9790E+02
08	5.6608E+02	-7.4877E+02
09	-6.0387E+01	2.2713E+00
10	-2.3061E+02	4.0185E+02
11	1.0094E+02	-1.6590E+02
12	-1.1025E+03	7.5069E+02
13	3.4054E+01	7.4764E+01
14	5.9236E+01	-8.3123E+01
15	4.3256E+01	-1.6989E+01
16	2.1079E+01	2.3242E+02
17	-5.8434E+01	-4.6383E+01
18	2.8474E+02	2.0977E+02
19	2.2286E+01	1.4474E+01
20	4.8045E+01	2.6307E+00

Flight 504, Condition E

	Flat.Bending @3.2%R, in-lb	Edg.Bending @6.8%R, in-lb
MEAN	3.1267E+04	2.3660E+03
1/2PP	1.4438E+04	3.3329E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.4982E+03	1.3314E+03	-1.4821E+04	2.4342E+04
02	-6.5498E+03	-4.0058E+02	2.5694E+03	6.1525E+02
03	2.1691E+03	-5.3018E+03	3.1715E+03	-8.8441E+02
04	2.0727E+03	-2.1903E+03	5.8887E+02	-1.8593E+02
05	3.2977E+02	-8.1400E+01	6.1094E+02	-1.4013E+03
06	-5.2576E+01	-8.3982E+02	-1.0805E+02	-3.8606E+02
07	-2.9210E+02	-5.1925E+02	-3.0442E+02	9.2586E+01
08	3.6899E+02	-3.7007E+02	9.2759E+01	4.4715E+01
09	-5.0273E+02	-2.1836E+02	7.7586E+02	-1.9978E+02
10	-2.8878E+01	-6.0793E+01	-6.6625E+02	9.6412E+02
11	1.0624E+02	2.6489E+02	3.4349E+01	1.1531E+03
12	-5.6782E+02	9.7695E+02	1.8977E+02	-3.7054E+02
13	-5.4047E+01	-3.3295E+02	1.3537E+01	-2.2236E+01
14	2.8359E+02	2.8496E+02	5.3108E+01	1.1877E+01
15	2.3595E+02	9.8727E+01	8.1791E+01	1.3165E+02
16	-3.5604E+01	-1.0829E+01	9.9869E+01	-7.0047E+01
17	-3.5838E+02	-6.4033E+02	2.6345E+02	2.0217E+02
18	2.7023E+02	1.4884E+01	1.0957E+02	-1.1047E+02
19	2.3420E+01	2.0128E+01	1.9028E+02	-5.3257E+01
20	-7.4927E+01	1.5563E+02	-7.1744E+01	4.3643E+01

	Flat.Bending @14.2%R, in-lb	Edg.Bending @14.2%R, in-lb
MEAN	2.1048E+04	4.5907E+03
1/2PP	4.9230E+03	1.6041E+04

Nth	COSINE	SINE	COSINE	SINE
01	1.0933E+03	1.4026E+02	-1.1034E+04	1.0915E+04
02	-1.5380E+03	8.6423E+02	7.1358E+02	7.3404E+02
03	1.7990E+02	-5.1725E+02	7.1001E+02	-1.2332E+03
04	3.7114E+01	-1.6957E+02	-1.0922E+02	-3.2544E+02
05	-2.6869E+02	-4.6928E+01	2.3963E+02	-2.9981E+02
06	-9.6227E+01	2.4447E+02	2.9470E+00	-1.6141E+02
07	1.0797E+02	6.5875E+02	-1.0490E+02	-6.4416E+01
08	-2.2955E+02	1.6741E+02	-4.7589E+01	8.0767E+01
09	1.8066E+02	8.6107E+01	1.1050E+02	-2.5534E+01
10	3.9988E+01	2.3274E+01	-9.5918E+01	1.0627E+02
11	8.2982E+01	-2.7735E+02	5.4885E+01	1.3613E+02
12	5.0937E+02	-6.4096E+02	1.9069E+02	-1.3729E+02
13	-2.1068E+01	1.3044E+02	-3.9871E+01	7.2272E+01
14	-2.2250E+02	-9.4494E+01	-1.8730E+01	1.2932E+01
15	-1.7776E+02	-1.0974E+02	-1.1577E+01	3.6590E+01
16	3.5345E+01	1.5302E+00	7.6682E+01	-3.4977E+01
17	3.8378E+02	6.5398E+02	-6.0685E+00	1.0777E+02
18	-3.1690E+02	4.2321E+01	-6.8072E+01	-1.5738E+01
19	-6.1023E+01	-3.9461E+01	1.0383E+01	-1.2058E+01
20	2.8332E+01	-9.7372E+01	8.8806E+00	-1.1482E+00

	Flat.Bending @19.54%R, in-lb	Edg.Bending @19.54%R, in-lb
MEAN	1.9252E+04	1.5443E+03
1/2PP	3.8261E+03	1.2825E+04

Nth	COSINE	SINE	COSINE	SINE
01	-2.5975E+02	8.6227E+02	-7.2812E+03	9.3500E+03
02	-7.1873E+02	5.4253E+02	9.3458E+02	2.6713E+02
03	-4.1613E+02	6.6812E+02	4.9964E+01	-8.3591E+02
04	-6.3362E+02	3.2408E+02	-3.1857E+02	-7.1107E+02
05	-4.1081E+02	-4.9132E+01	6.8034E+01	1.0607E+02
06	-1.4327E+02	4.9095E+02	5.6648E+01	-9.4352E+01
07	1.9765E+02	6.7971E+02	-1.3396E+02	-2.4572E+02
08	-3.0373E+02	1.9733E+02	2.0554E+01	1.3557E+02
09	2.8716E+02	1.4241E+02	-3.1996E+02	6.8893E+01
10	6.4322E+01	-2.9398E+01	1.9306E+02	-3.1550E+02
11	-5.9909E+01	-3.1819E+02	-8.1371E+01	-3.3469E+02
12	3.0971E+02	-6.8300E+02	-3.0431E+00	7.3224E+01
13	3.5044E+01	2.3648E+02	4.3337E+01	2.4792E+01
14	-9.5692E+01	-2.3355E+00	-1.5101E+01	-1.7215E+01
15	-1.3347E+02	-4.8150E+01	-2.7813E+01	-4.3458E+01
16	1.3761E+01	-4.7783E+01	-2.9596E+01	-3.3293E+01
17	1.1784E+02	1.3175E+02	-1.2635E+02	-6.7264E+01
18	-5.8169E+01	2.2853E+00	-5.2013E+01	6.1694E+01
19	-1.7469E+01	1.0711E+01	-8.6198E+01	3.7500E+01
20	-3.2954E+01	-7.2557E+00	2.4367E+01	-3.0331E+01

	Flat.Bending @31%R, in-lb	Edg.Bending @31%R, in-lb
MEAN	1.2962E+04	-3.4633E+03
1/2PP	3.2286E+03	1.2460E+04

Nth	COSINE	SINE	COSINE	SINE
01	-1.3611E+02	-1.1148E+02	-5.1221E+03	9.9349E+03
02	-6.1018E+02	1.3249E+02	1.2058E+03	2.1691E+01
03	-8.3071E+02	1.1866E+03	-6.2229E+02	-5.7173E+02
04	-8.1317E+02	4.3697E+02	-3.5955E+02	-1.2054E+03
05	-2.9579E+02	-2.9504E+01	-4.1206E+02	4.5775E+02
06	-9.9015E+01	3.2588E+02	4.5525E+01	1.5254E+02
07	1.9894E+02	1.1179E+02	3.4183E+01	5.3579E+00
08	-4.1387E+01	5.7238E+01	1.6590E+01	6.9015E+01
09	5.2464E+01	1.5545E+01	-4.6705E+02	9.0655E+01
10	3.2783E+01	-8.2238E+01	3.3788E+02	-4.3849E+02
11	-1.1924E+02	6.2822E+01	-1.1116E+02	-6.0221E+02
12	-3.9828E+02	2.3694E+02	-1.5382E+02	1.0121E+02
13	2.9818E+01	3.8052E+00	1.0608E+02	-7.8573E+01
14	1.6660E+02	1.0232E+02	-3.8981E+01	-5.8210E+01
15	1.2394E+02	9.3264E+01	-2.4069E+01	-1.2664E+02
16	-3.5300E+01	3.9945E+00	-1.2553E+02	7.5737E+01
17	-2.8479E+02	-5.2210E+02	2.1534E+02	7.7416E+01
18	2.5989E+02	-3.0512E+01	3.7896E+01	-1.5787E+01
19	4.5050E+01	2.8030E+01	2.4464E+01	-2.8210E+01
20	-1.3511E+01	6.7299E+01	-1.6139E+01	-3.6558E+01

	Flat.Bending @48%R, in-lb	Edg.Bending @48%R, in-lb
MEAN	4.9677E+03	-1.6240E+03
1/2PP	3.2996E+03	9.8750E+03

Nth	COSINE	SINE	COSINE	SINE
01	-2.1655E+02	-1.5276E+03	-3.1277E+03	5.7439E+03
02	-1.2624E+03	1.0247E+02	1.0104E+03	-2.4329E+02
03	-6.8840E+02	1.0261E+03	-1.5079E+03	-9.7669E+01
04	-3.1049E+02	2.1904E+02	-9.3946E+01	-1.2016E+03
05	7.6256E+01	-2.1301E+01	-9.8363E+02	6.2587E+02
06	8.0373E+01	-1.6045E+02	-6.0961E+01	3.6677E+02
07	-7.6445E+01	-5.2145E+02	4.4415E+02	6.5708E+02
08	2.2164E+02	-2.2343E+02	2.2281E+01	-3.2468E+02
09	-1.5029E+02	-7.2999E+01	5.6254E+01	-2.7511E+01
10	-9.2772E+01	7.5566E+01	-5.3099E+01	1.0472E+02
11	4.8256E+01	1.0750E+02	4.4818E+01	2.7279E+01
12	2.5891E+01	2.4405E+02	-8.4199E+01	-6.8962E+01
13	3.2688E+00	-1.5008E+02	-1.2423E+01	-1.1493E+02
14	-2.2777E+01	-4.4380E+01	-4.9671E+01	-3.7888E+00
15	-2.9127E+01	-7.9117E+01	-3.7712E+00	-1.1530E+01
16	2.7474E+01	-1.0556E+01	-4.3474E+01	1.8415E+02
17	1.8927E+02	3.5557E+02	4.9394E+02	4.5726E+02
18	-1.8043E+02	2.8858E+01	8.9367E+01	-1.7196E+02
19	-2.6187E+01	-3.4090E+01	2.1430E+02	-6.4072E+01
20	1.5758E+01	-4.3263E+01	-7.7743E+01	1.1732E+01

	Flat.Bending @64%R, in-lb	Edg.Bending @64%R, in-lb
MEAN	-4.1758E+02	-1.1893E+03
1/2PP	3.7740E+03	6.4504E+03

Nth	COSINE	SINE	COSINE	SINE
01	-2.8292E+02	-1.3561E+03	-1.4335E+03	2.8233E+03
02	-2.1527E+03	1.7546E+02	7.3783E+02	-6.5606E+02
03	-2.2692E+02	7.1282E+02	-1.7084E+03	2.8505E+02
04	3.1426E+02	-2.5900E+02	2.3087E+02	-8.3226E+02
05	1.3969E+02	5.1983E+01	-8.8568E+02	4.2283E+02
06	7.1890E+01	-1.5638E+02	-1.2774E+02	3.3887E+02
07	-1.0163E+02	-8.9648E+01	5.4797E+02	8.8276E+02
08	-4.5880E+01	1.1967E+01	-5.9686E+01	-3.4886E+02
09	-8.6789E+00	1.7634E+01	5.8052E+02	-5.9249E+01
10	7.8202E+01	3.9440E+01	-3.4411E+02	4.2338E+02
11	1.2338E+02	-1.1197E+02	6.0713E+01	4.5771E+02
12	3.3636E+02	-4.2759E+02	8.2398E+01	-2.9110E+02
13	-3.8886E+01	1.3545E+02	-9.6906E+01	1.2641E+02
14	-7.5607E+01	-3.6864E+01	-8.4707E+00	2.6655E+01
15	-3.2178E+01	5.4793E+01	-1.3439E+01	1.0274E+02
16	-7.5846E+00	3.6087E+01	6.9804E+01	-9.8252E+01
17	-6.5612E+01	-1.6117E+02	-1.8371E+02	-1.1525E+02
18	9.1580E+01	-1.4852E+01	-5.2085E+01	-4.7821E+00
19	1.7291E+01	2.8574E+01	-6.3377E+01	4.0400E+01
20	-7.3419E+00	3.6095E+01	7.0894E+00	8.4557E+00

	Flat.Bending @81%R, in-lb	Edg.Bending @81%R, in-lb
MEAN	-4.7160E+03	-5.1850E+03
1/2PP	3.8251E+03	3.4609E+03

Nth	COSINE	SINE	COSINE	SINE
01	-1.0598E+02	-4.7171E+02	-4.8301E+02	7.5002E+02
02	-2.5166E+03	2.9808E+02	3.1684E+02	-4.3719E+02
03	-2.0984E+02	2.4343E+02	-1.1134E+03	1.1358E+02
04	8.0140E+02	-5.9379E+02	3.9830E+02	-2.9619E+02
05	2.9658E+00	-1.4958E+02	-2.6650E+02	2.0612E+01
06	-1.7876E+02	1.0572E+02	-1.5740E+02	7.3136E+01
07	7.7882E+01	6.0958E+02	2.4610E+02	6.8707E+02
08	-9.8989E+01	1.5619E+02	-5.8459E+01	-1.5379E+02
09	1.0922E+02	9.5729E+00	5.5732E+02	1.2404E+01
10	-2.0372E+01	-1.0809E+02	-2.6306E+02	2.3129E+02
11	-1.3457E+02	6.0595E+01	-5.4749E+01	4.1737E+02
12	-2.8353E+02	2.8150E+02	-2.1491E+01	-5.7790E+01
13	2.5690E+01	-5.3610E+01	-2.1498E+01	1.9978E+02
14	8.9655E+01	4.9739E+01	1.2476E+02	3.6310E+01
15	2.5320E+01	-2.1290E+01	4.2131E+01	4.5894E+01
16	-2.3942E+01	-4.8321E+01	6.6825E+01	-2.7171E+02
17	3.8974E+01	5.3146E+01	-5.5103E+02	-4.0816E+02
18	-1.9544E+01	2.6407E+01	-1.2067E+02	1.7648E+02
19	-5.9661E+00	4.5612E+00	-2.2487E+02	1.1170E+02
20	-2.0414E+01	-2.5651E+01	7.6688E+01	-4.1412E+01

	Collective Control Load, lb	Longitudinal Cyclic Load, lb
MEAN	-1.6461E+03	1.8762E+02
1/2PP	2.2963E+03	2.1235E+02

Nth	COSINE	SINE	COSINE	SINE
01	2.1375E+00	-5.3068E+01	2.9485E+00	1.3198E+01
02	-1.2524E+01	-1.7643E+01	2.2004E+00	4.5397E+00
03	-2.6389E+01	4.4288E+01	4.2974E+00	-1.1253E+01
04	-9.5742E+02	1.6150E+03	7.7828E+01	-1.3511E+02
05	6.7259E+01	-1.1438E+02	-1.2411E+01	6.8053E+00
06	1.8678E+01	5.7216E+01	-7.4152E+00	-6.2202E+00
07	7.4716E+01	-6.3007E+01	-8.6153E+00	8.7410E+00
08	9.1993E+01	5.0704E+01	1.0178E+01	1.2957E+01
09	-2.5417E+01	8.6801E+00	-4.5385E+00	-2.4280E+00
10	-4.0188E+00	4.2302E+00	3.9965E+00	-4.8704E-01
11	1.6040E+01	2.0323E+01	-5.4350E+00	-5.8227E+00
12	1.1338E+02	3.8410E+02	-1.9144E+01	-2.8999E+01
13	-1.6454E+00	-9.8054E+00	7.9386E-01	-1.9265E+00
14	1.4268E+00	2.1309E+01	-7.3165E-01	-1.5562E+00
15	5.2894E+00	-1.1623E+01	4.9933E-01	-4.4301E-01
16	7.1461E+01	-2.8427E+01	-4.9652E+00	-1.2225E+00
17	-5.5140E+00	4.9332E+00	1.6964E+00	6.8917E-01
18	2.8610E+00	9.3478E+00	-5.7318E-01	-6.6491E-01
19	-2.4423E+01	-7.6400E-01	4.2507E+00	-1.1439E+00
20	-4.2639E+01	8.1356E+01	1.0567E+01	-6.6477E+00

	Lateral Cyclic Load, lb		Spider Arm Load, lb	
MEAN	-2.5333E+02		-8.4179E+01	
1/2PP	1.8728E+02		5.6383E+02	
Nth	COSINE	SINE	COSINE	SINE
01	-6.9144E+00	2.4251E+00	1.6192E+02	2.0832E+02
02	9.2606E+00	-6.4461E+00	9.2351E+01	3.3769E+00
03	9.0582E-02	-1.0649E+00	-5.4569E+01	5.5123E+01
04	2.7146E+01	-1.3211E+02	-5.1471E+01	1.3302E+02
05	3.8027E+00	2.0512E+01	4.4139E+01	6.7239E+01
06	7.3310E+00	-1.6051E+00	6.6235E+01	-9.8136E+00
07	-5.0568E+00	-6.0824E-01	-2.4597E+01	3.2364E+00
08	-4.3389E+00	9.6018E+00	-5.2323E+00	1.3376E+01
09	6.0473E+00	-5.8916E+00	-1.4716E+00	3.1547E+00
10	-9.7376E-01	-6.0095E-01	1.1959E+01	4.2580E+00
11	7.2482E-01	-1.2235E+00	1.4530E+01	5.2501E+00
12	-1.3981E+01	-3.4299E+01	5.2854E+00	-2.9434E-02
13	5.6838E+00	-1.4627E-01	-1.6112E+00	-1.1261E+01
14	-2.2201E-01	-6.6050E-02	-2.3130E+01	-4.1812E+01
15	1.9628E+00	2.6062E+00	7.9528E+00	1.6289E+00
16	6.8959E+00	9.8876E+00	7.7524E-01	5.4432E+00
17	-1.2796E+00	-5.7303E-02	-7.6314E+00	-6.4485E+00
18	1.2121E-01	-2.0584E+00	3.5501E+00	-9.8227E-01
19	1.5410E-01	2.8985E+00	6.1742E+00	3.2348E+00
20	-2.8481E+00	1.2799E+00	5.3432E+00	-9.8642E+00

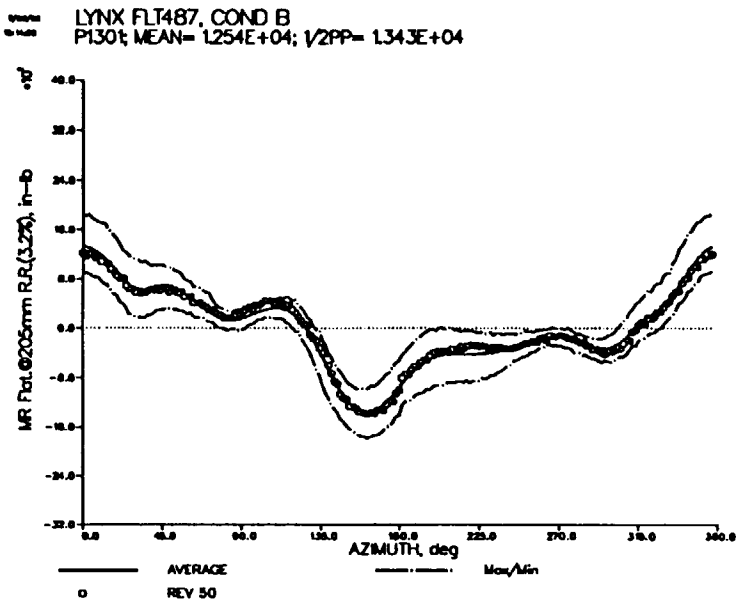
	Blade Feathering Angle, deg		Lag Damper Load, lb	
MEAN	1.6517E+01		4.9771E+02	
1/2PP	5.7697E+00		1.4053E+03	
Nth	COSINE	SINE	COSINE	SINE
01	1.7981E+00	-5.0031E+00	5.0845E+02	1.3793E+03
02	6.9684E-01	4.8799E-01	1.7950E+02	-9.7354E+01
03	2.0460E-02	-4.2990E-02	1.1893E+02	1.1402E+02
04	-2.3712E-01	4.6423E-01	1.8769E+01	-4.9841E+01
05	1.6374E-01	5.4053E-02	4.1129E+00	-3.7304E+01
06	4.1007E-02	-4.8364E-02	-9.2705E+00	8.3826E+00
07	-7.2597E-02	-5.4151E-02	-3.9115E+01	-1.3780E+01
08	3.4570E-02	6.1963E-02	1.9773E+01	4.1915E+01
09	6.1884E-02	-6.3764E-03	-1.0835E+01	8.0864E+00
10	-4.2457E-02	1.1470E-01	8.3942E+00	3.7183E+00
11	4.3135E-02	1.2784E-01	-2.4000E+01	2.8960E+00
12	7.6084E-02	2.8700E-02	-7.2490E+00	-4.3225E+01
13	-2.5342E-02	-3.9871E-02	1.5542E+01	5.1589E+00
14	-6.9544E-03	-3.4623E-02	4.5245E+00	-2.6646E+00
15	1.8667E-05	-1.5809E-02	-8.0737E+00	-6.7919E-01
16	1.3096E-02	1.7913E-02	-5.2006E+00	-2.8000E+01
17	3.2421E-03	3.2200E-02	-1.1313E+01	-3.5509E-01
18	2.4606E-03	1.8299E-02	-5.1978E+00	1.8398E+01
19	1.1887E-04	-1.5090E-03	-1.7054E+01	1.0987E+01
20	-4.9782E-03	1.4106E-02	-1.9720E+00	1.2900E-01

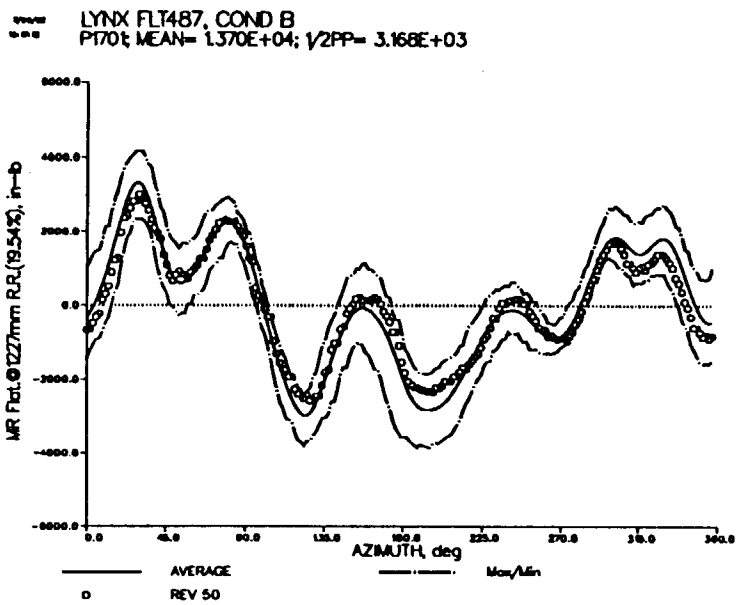
	MR Shaft Torque, in-lb
MEAN	1.9170E+05
1/2PP	1.5190E+04

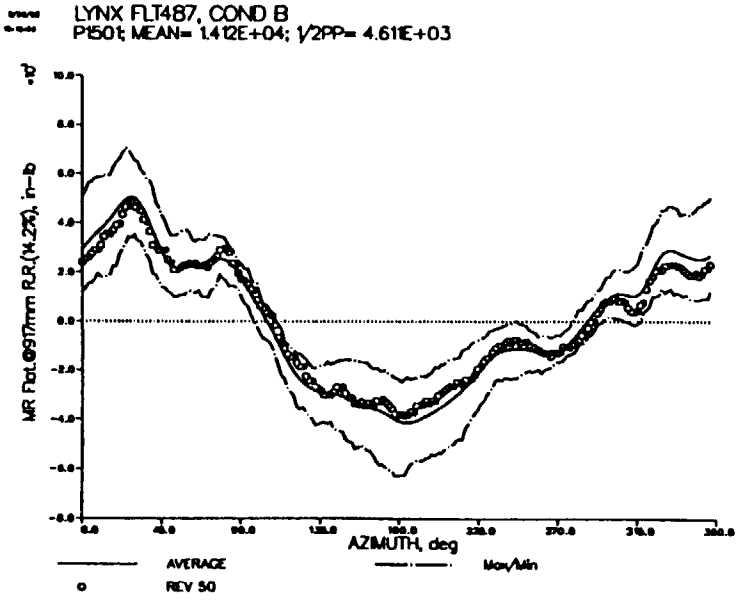
Nth	COSINE	SINE
01	5.5609E+02	-9.1939E+02
02	6.5726E+03	4.3939E+03
03	-7.0428E+01	5.4217E+02
04	6.3266E+03	2.8443E+03
05	1.3514E+02	2.4879E+02
06	4.0655E+02	1.8281E+03
07	2.3613E+01	5.0239E+02
08	-7.5762E+00	-1.6518E+03
09	-1.7402E+02	2.3080E+02
10	-1.9404E+02	8.0775E+02
11	-1.3971E+02	-8.4212E+01
12	-3.7782E+02	1.5722E+03
13	8.3390E+00	-1.2181E+02
14	4.6784E+01	6.0354E+01
15	8.6158E+01	-7.3829E+01
16	1.9618E+02	2.1822E+02
17	1.2263E+02	-1.5082E+02
18	2.3444E+02	2.3322E+01
19	-5.5742E+01	5.4795E+00
20	-7.6038E+01	-7.1399E+01

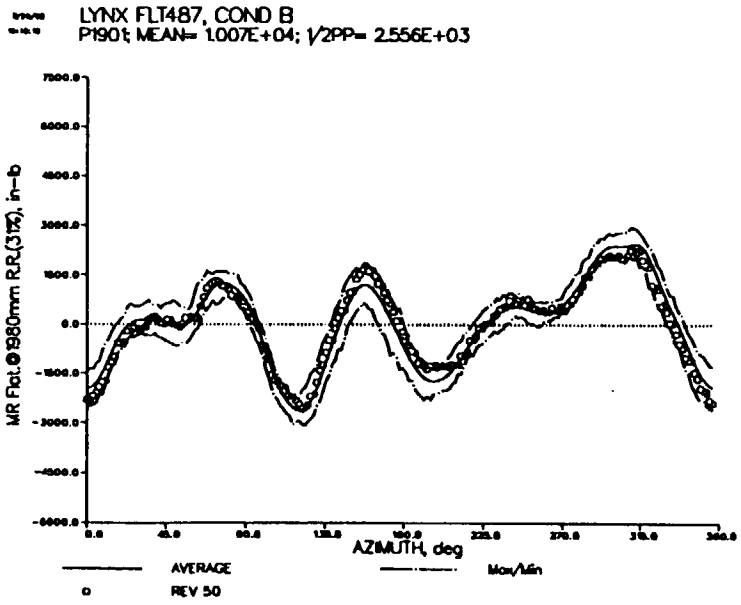
Appendix D

Time-History Plots of Hub and Blade Parameters

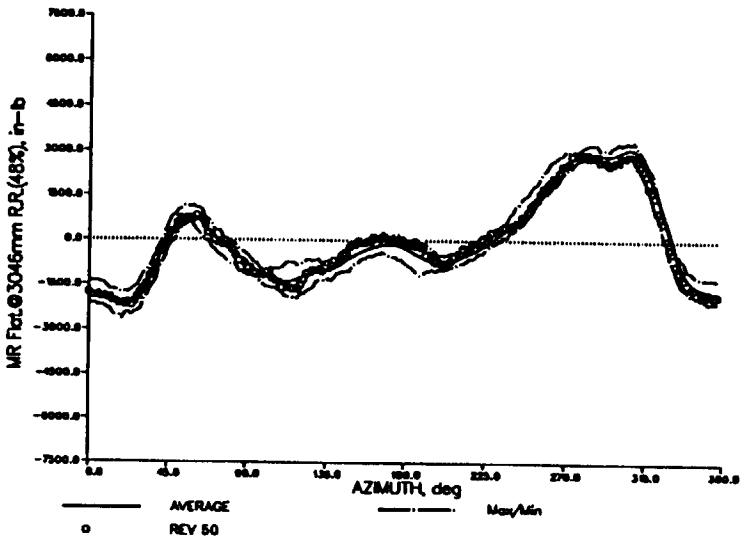

LYNX FLT487, COND B
P130t; MEAN= 1.254E+04; 1/2PP= 1.343E+04
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT487, COND B
P170t; MEAN= 1.370E+04; 1/2PP= 3.168E+03
MR Flat.@227mm R.R.(9.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

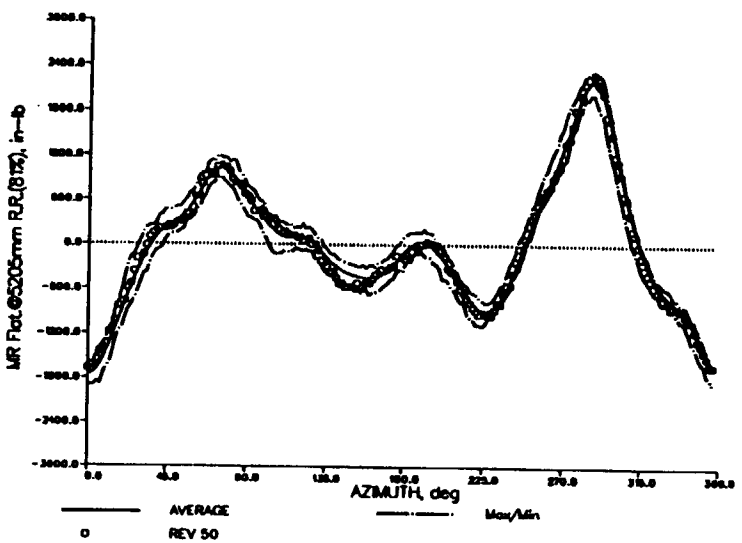

LYNX FLT487, COND B
P150t; MEAN= 1.412E+04; 1/2PP= 4.611E+03
MR Flat.@917mm R.R.(4.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT487, COND B
P190t; MEAN= 1.007E+04; 1/2PP= 2.556E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

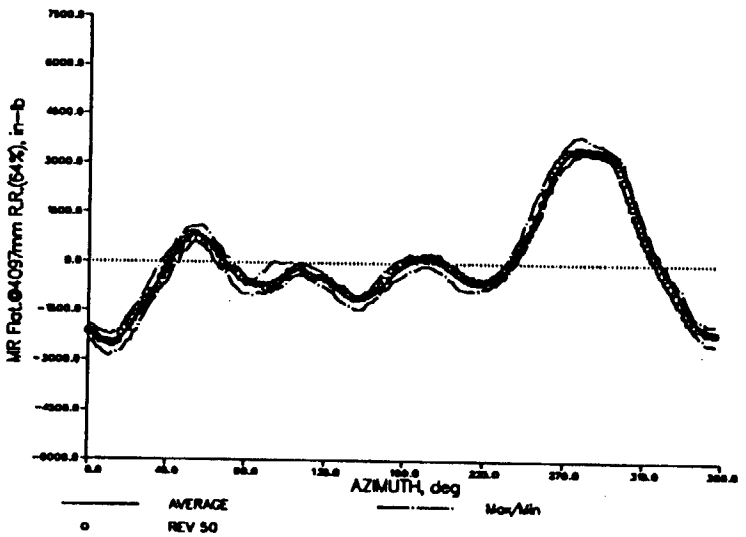
LYNX FLT487, COND B
P210; MEAN= 3.950E+03; √2PP= 2.638E+03



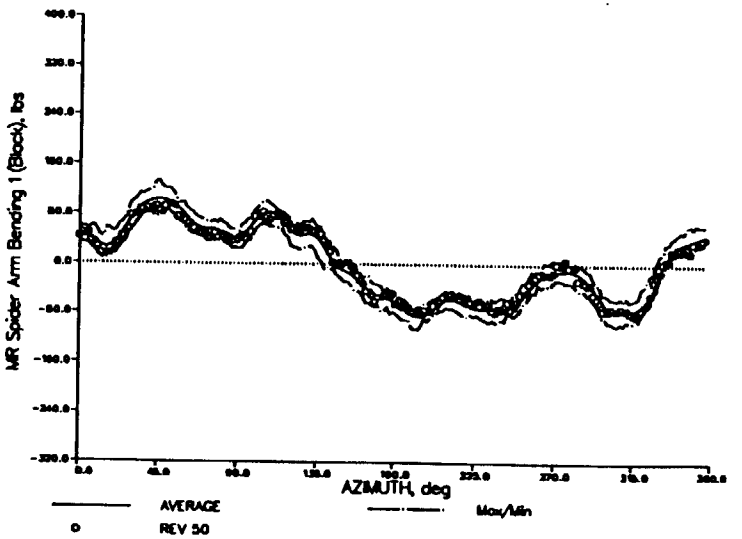
LYNX FLT487, COND B
P250; MEAN=-1.824E+03; √2PP= 1.982E+03

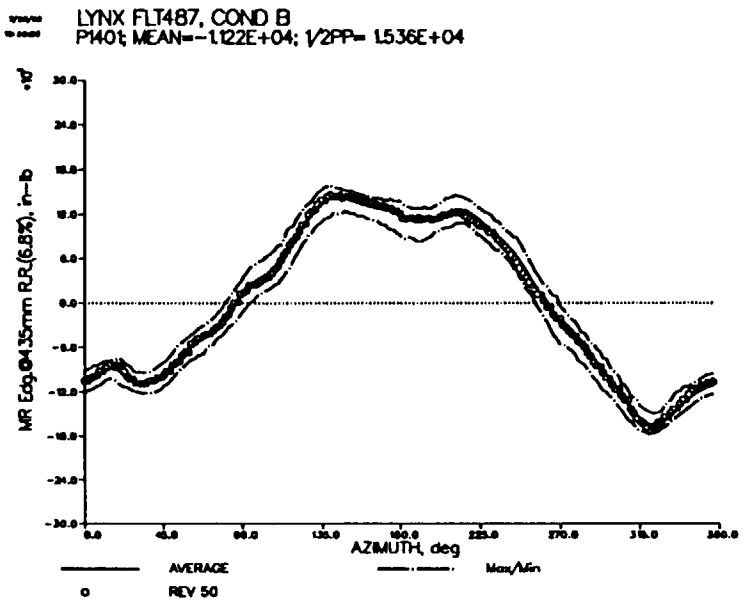


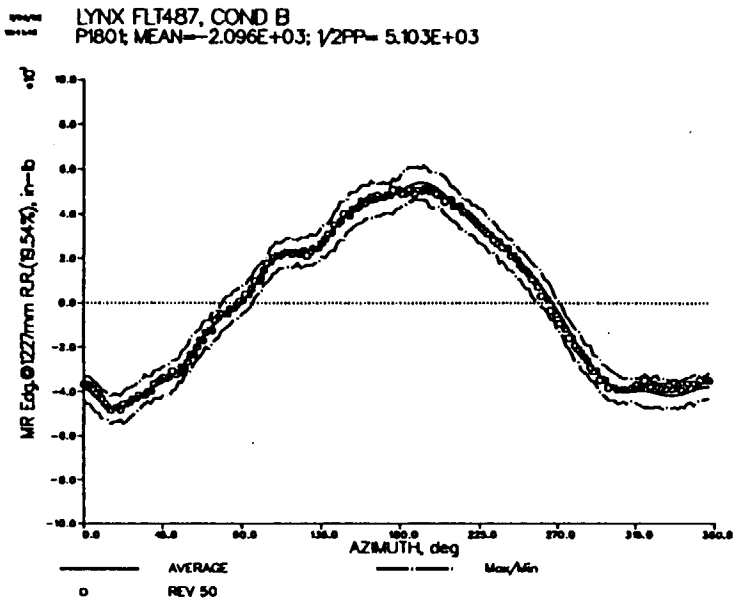
LYNX FLT487, COND B
P230; MEAN=-1.480E+02; √2PP= 3.034E+03

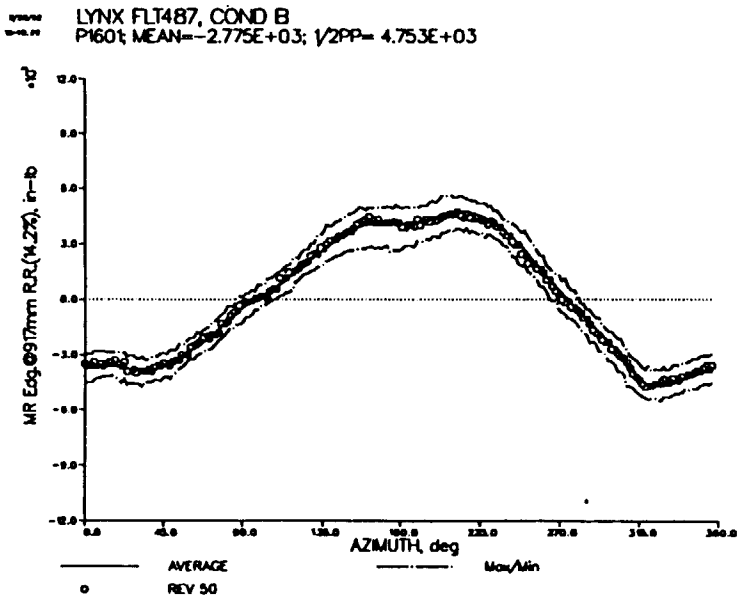


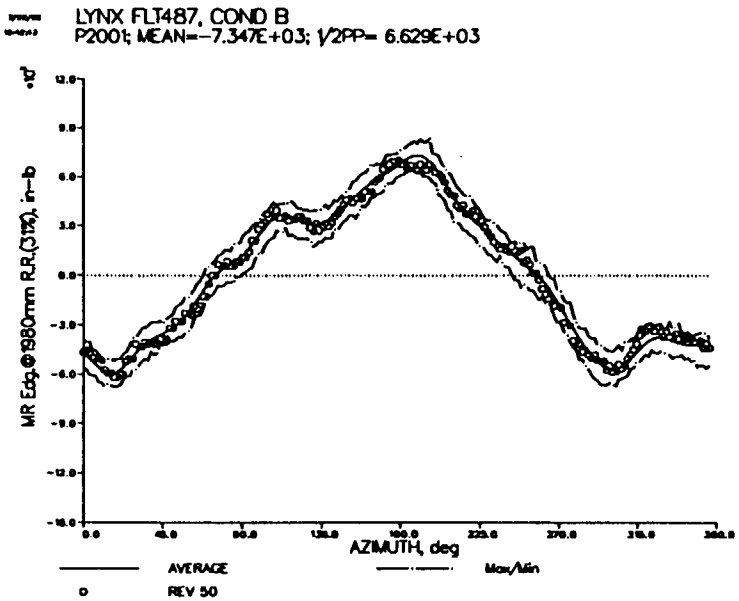
LYNX FLT487, COND B
P330; MEAN=-1.180E+01; √2PP= 9.488E+01

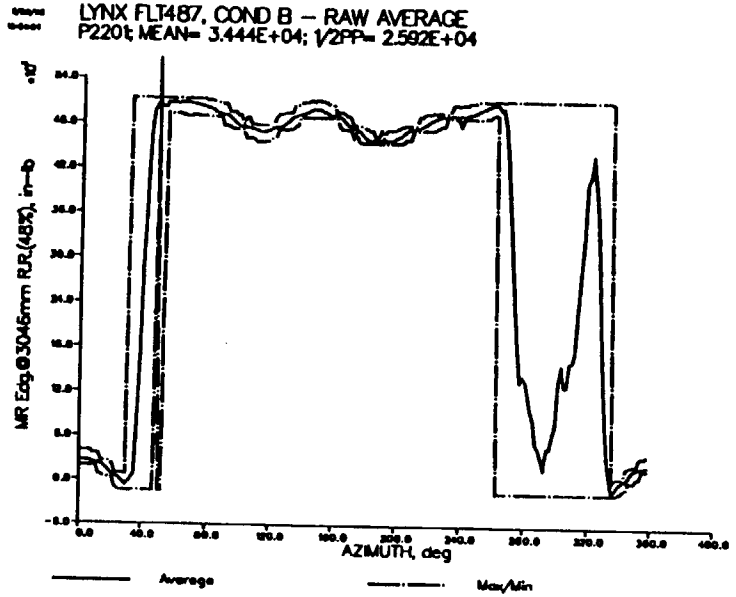


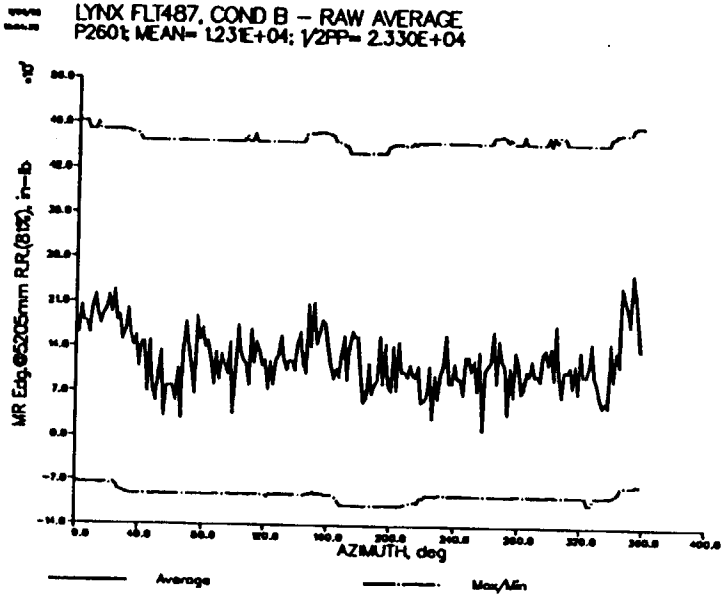

LYNX FLT487, COND B
P140t; MEAN=-1.122E+04; 1/2PP= 1.536E+04
MR Edg@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

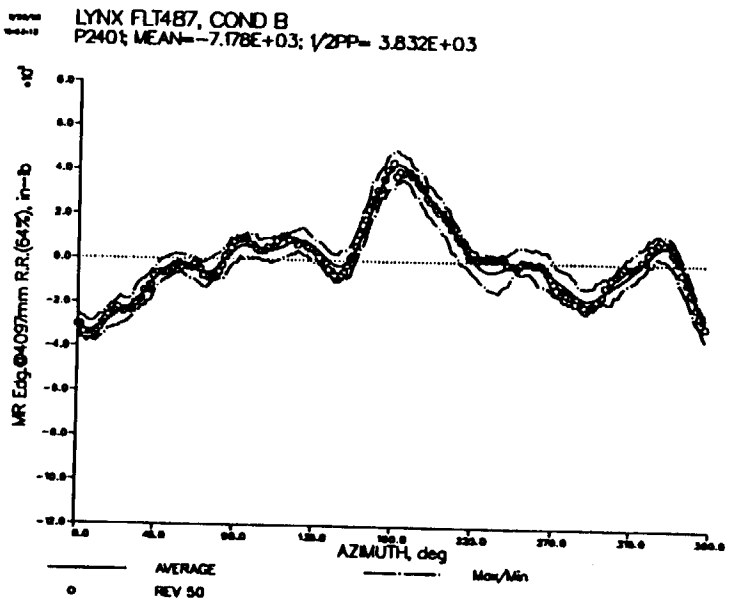

LYNX FLT487, COND B
P180t; MEAN=-2.096E+03; 1/2PP= 5.103E+03
MR Edg@1.27mm R.R.(19.5%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

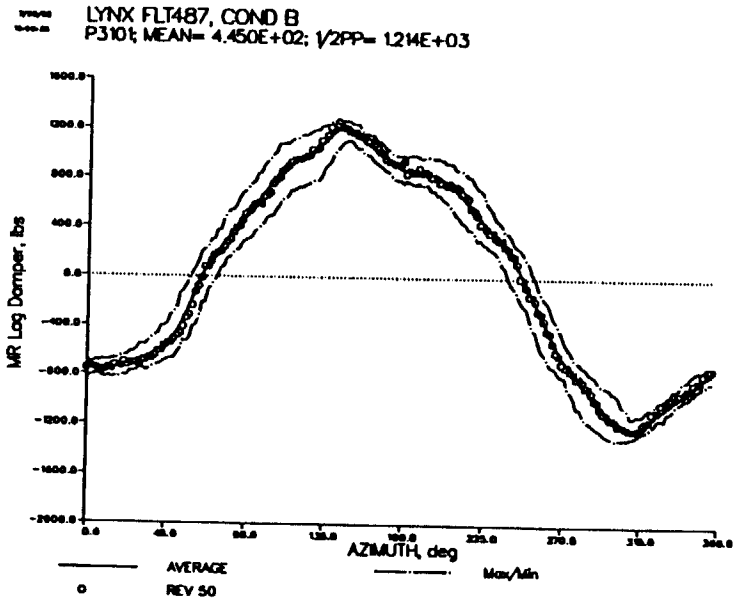

LYNX FLT487, COND B
P160t; MEAN=-2.775E+03; 1/2PP= 4.753E+03
MR Edg@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT487, COND B
P200t; MEAN=-7.347E+03; 1/2PP= 6.629E+03
MR Edg@980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

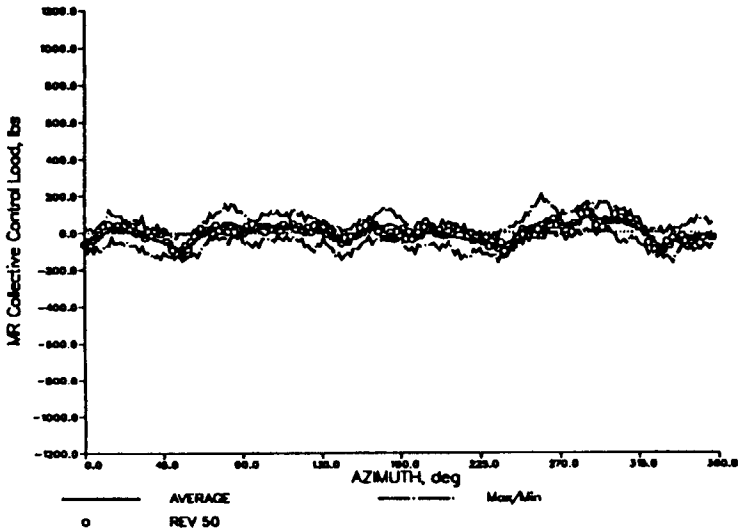

LYNX FLT487, COND B – RAW AVERAGE
P220t; MEAN= 3.444E+04; 1/2PP= 2.592E+04
MR Edg.@3046mm R.R.(48%), in–lb
AZIMUTH, deg
Average
Max/Min


LYNX FLT487, COND B – RAW AVERAGE
P260t; MEAN= 1.231E+04; 1/2PP= 2.330E+04
MR Edg.@5205mm R.R.(81%), in–lb
AZIMUTH, deg
Average
Max/Min

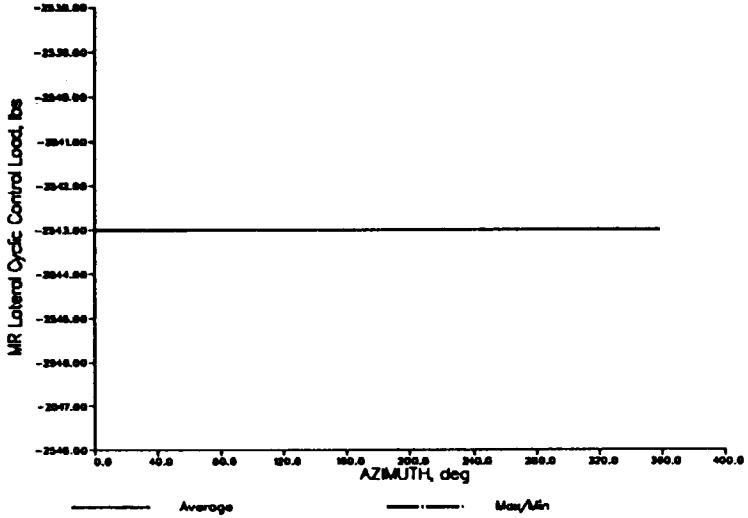

LYNX FLT487, COND B
P240t; MEAN=–7.178E+03; 1/2PP= 3.832E+03
MR Edg.@4097mm R.R.(64%), in–lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND B
P310t; MEAN= 4.450E+02; 1/2PP= 1.214E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

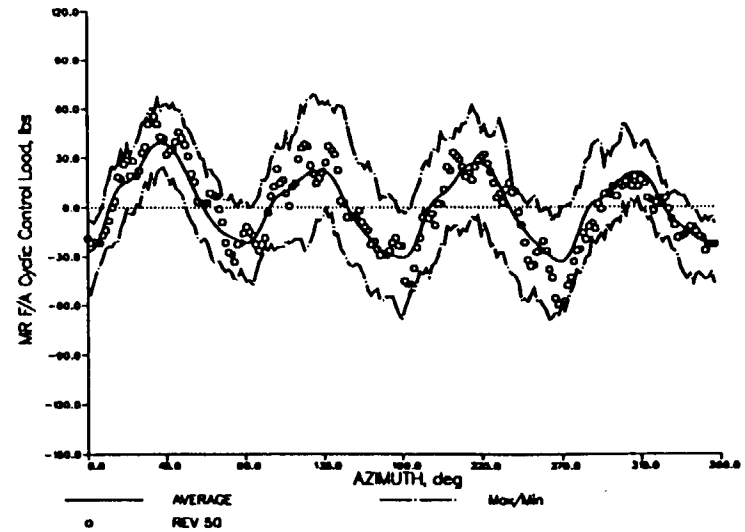
LYNX FLT487, COND B
P280t; MEAN=-5.795E+02; 1/2PP= 8.942E+01



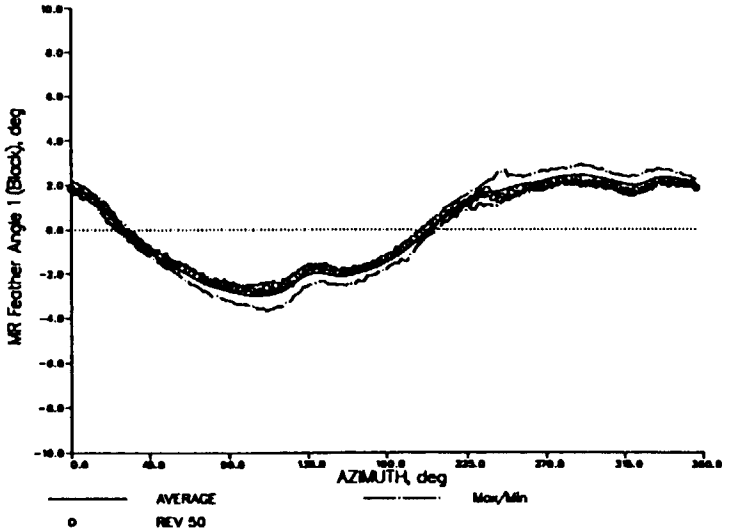
LYNX FLT487, COND B -- RAW AVERAGE
P320t; MEAN=-2.543E+03; 1/2PP= 0.000E+00

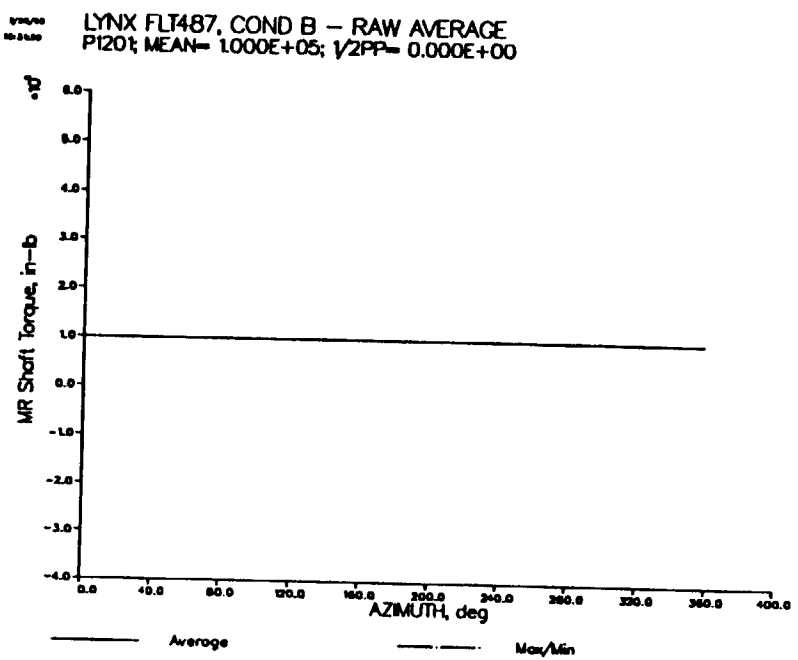


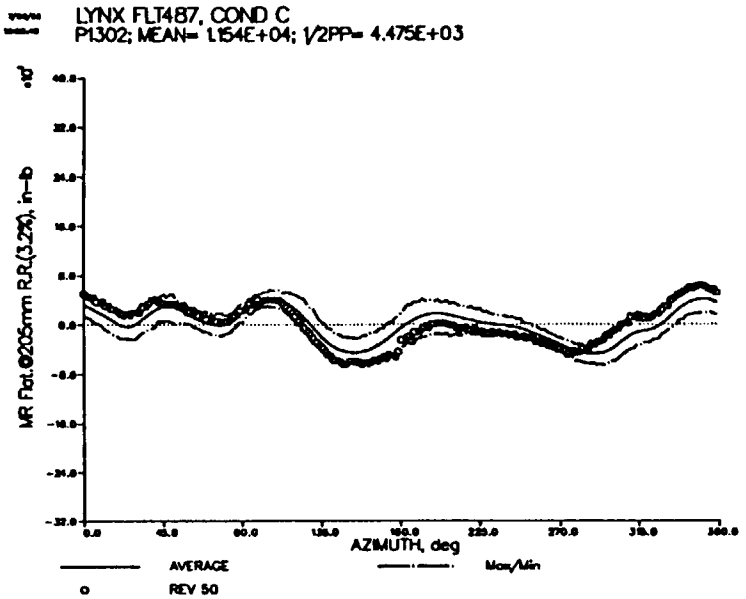
LYNX FLT487, COND B
P290t; MEAN= 6.397E+01; 1/2PP= 3.746E+01

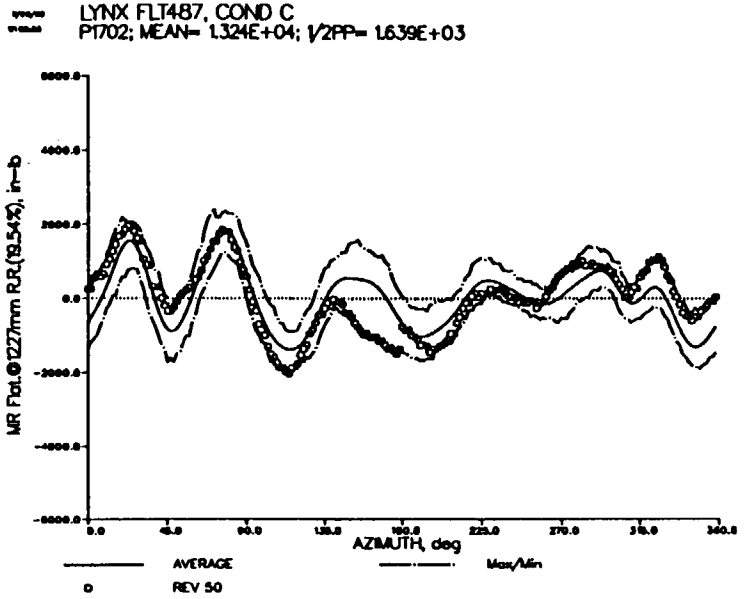


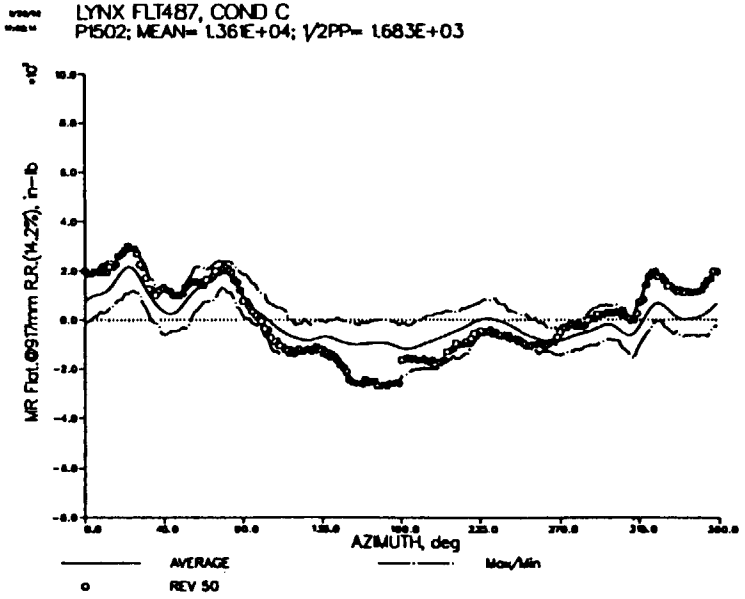
LYNX FLT487, COND B
P300t; MEAN= 1.102E+01; 1/2PP= 2.737E+00

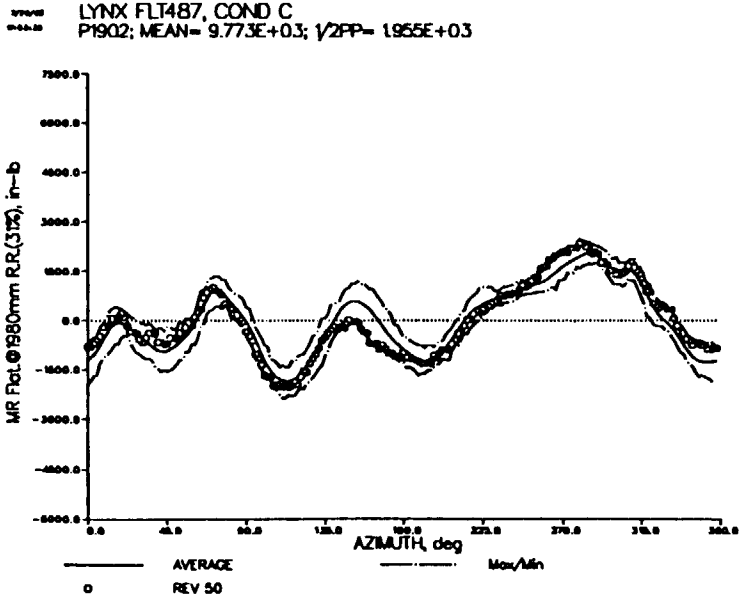


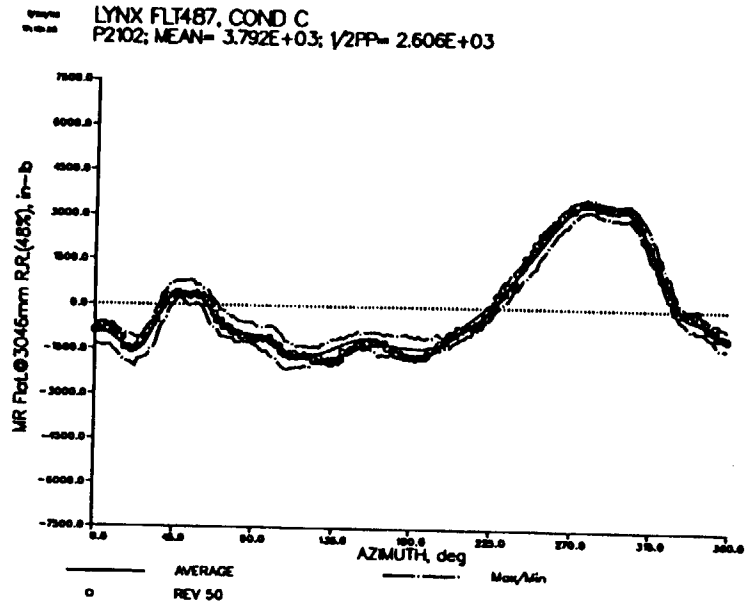

LYNX FLT487, COND B – RAW AVERAGE
P120; MEAN= 1.000E+05; 1/2PP= 0.000E+00
MR Shaft Torque, in-lb
6.0
5.0
4.0
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
0.0
40.0
80.0
120.0
160.0
200.0
240.0
280.0
320.0
360.0
400.0
AZIMUTH, deg
Average
Max/Min

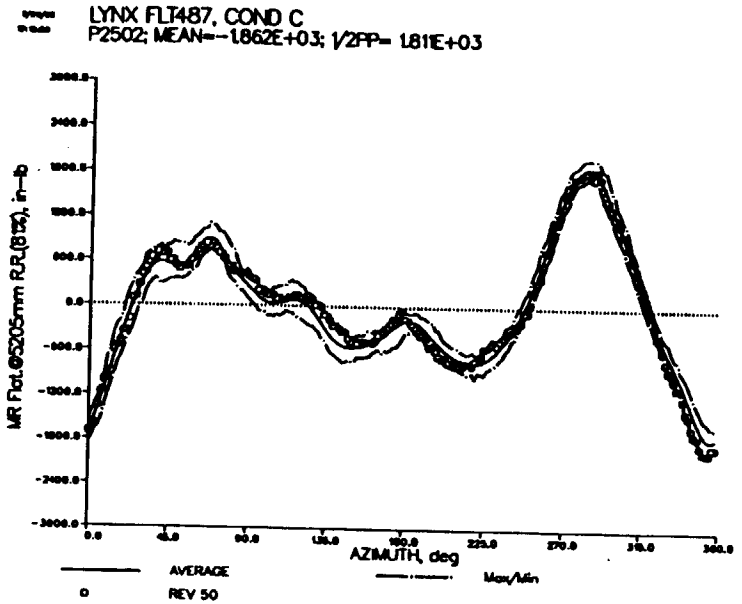

LYNX FLT487, COND C
P1302; MEAN= 1.154E+04; 1/2PP= 4.475E+03
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

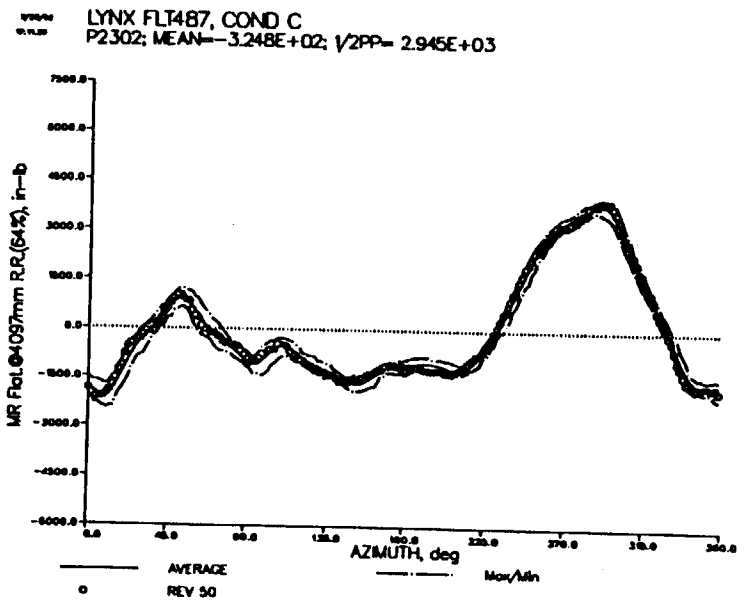

LYNX FLT487, COND C
P1702; MEAN= 1.324E+04; 1/2PP= 1.639E+03
MR Flat.@227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

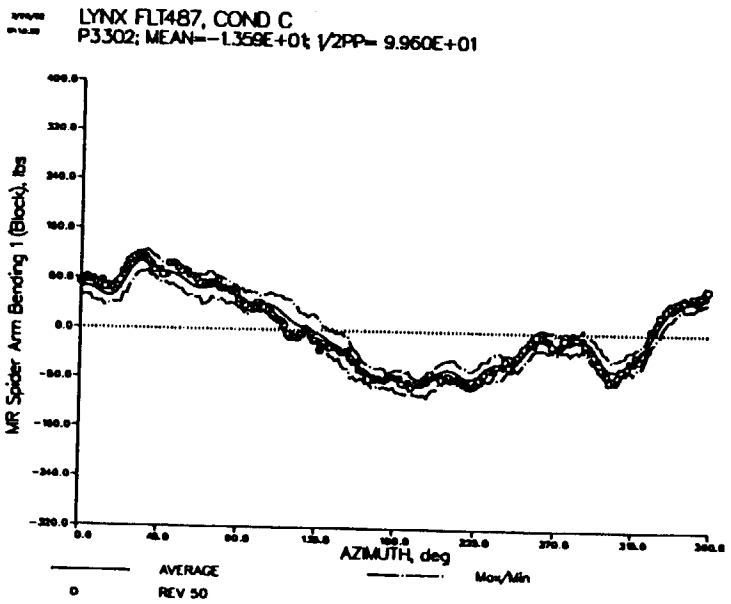

LYNX FLT487, COND C
P1502; MEAN= 1.361E+04; 1/2PP= 1.683E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

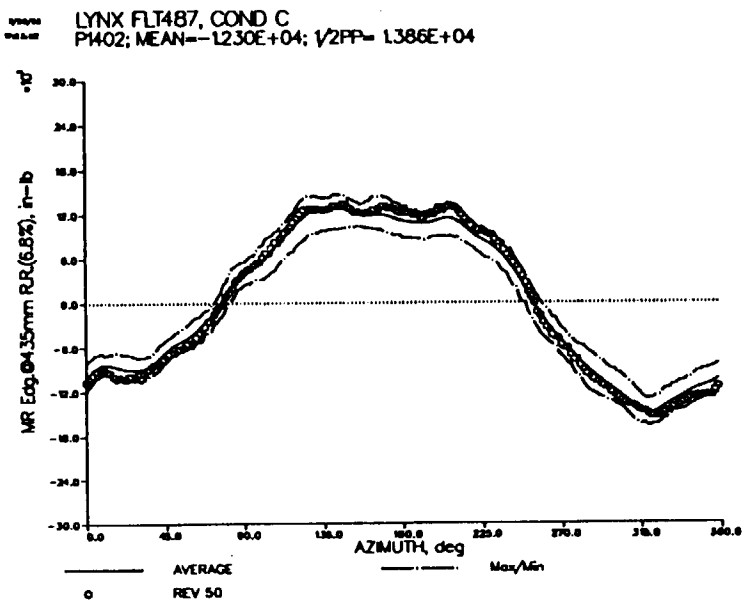

LYNX FLT487, COND C
P1902; MEAN= 9.773E+03; 1/2PP= 1.955E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

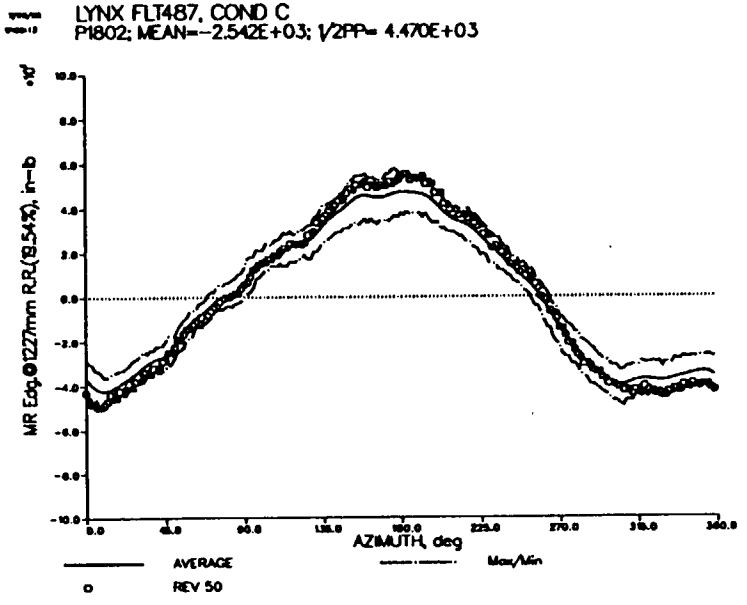

LYNX FLT487, COND C
P2102; MEAN= 3.792E+03; 1/2PP= 2.606E+03
MR Pat.@3045mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

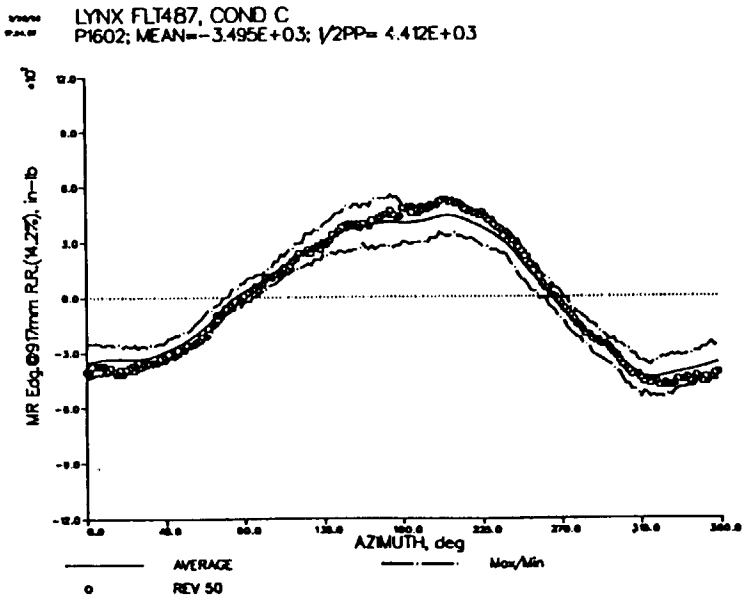

LYNX FLT487, COND C
P2502; MEAN=-1.862E+03; 1/2PP= 1.81E+03
MR Pat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

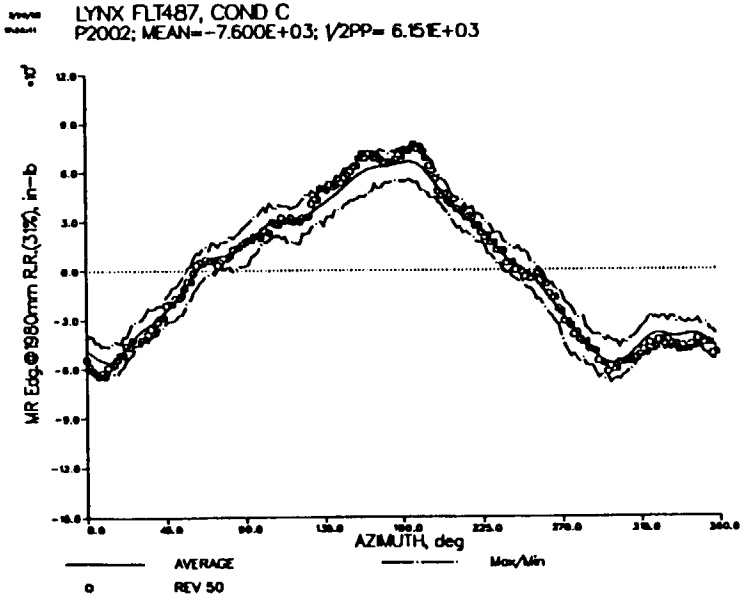

LYNX FLT487, COND C
P2302; MEAN=-3.248E+02; 1/2PP= 2.945E+03
MR Pat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

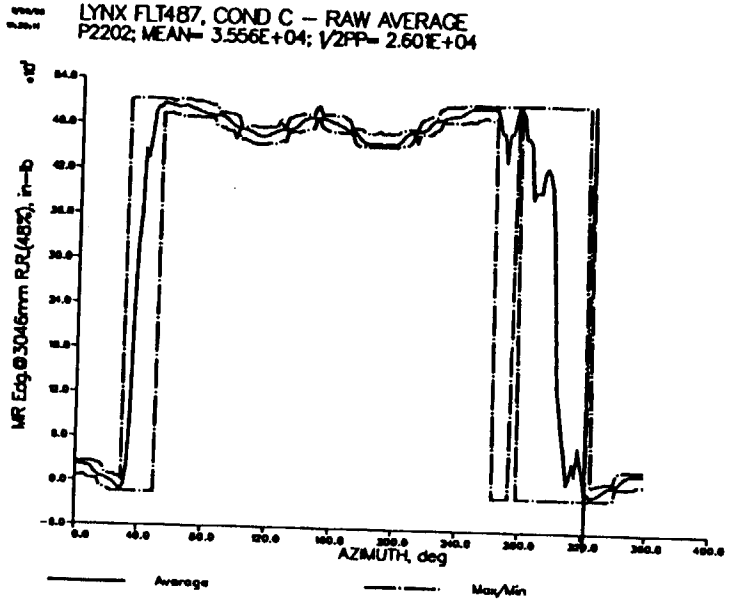

LYNX FLT487, COND C
P3302; MEAN=-1.359E+01; 1/2PP= 9.960E+01
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

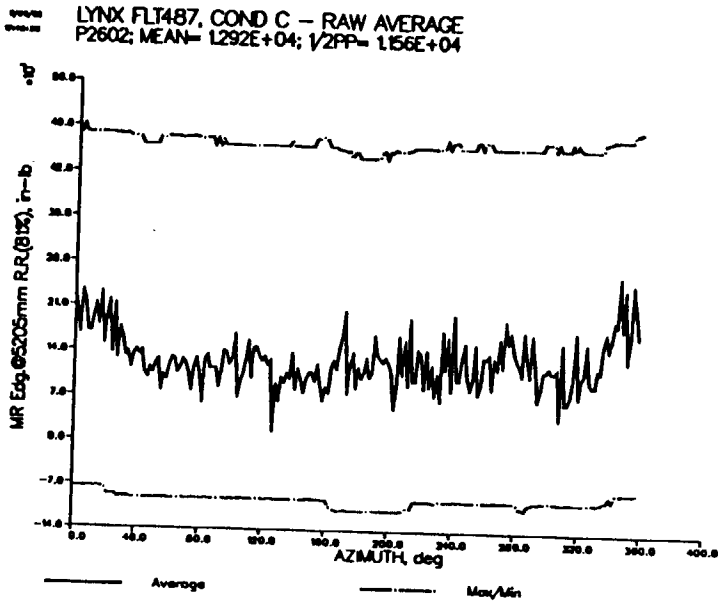

LYNX FLT487, COND C
P1402; MEAN=-1.230E+04; 1/2PP= 1.386E+04
MR Edg.@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

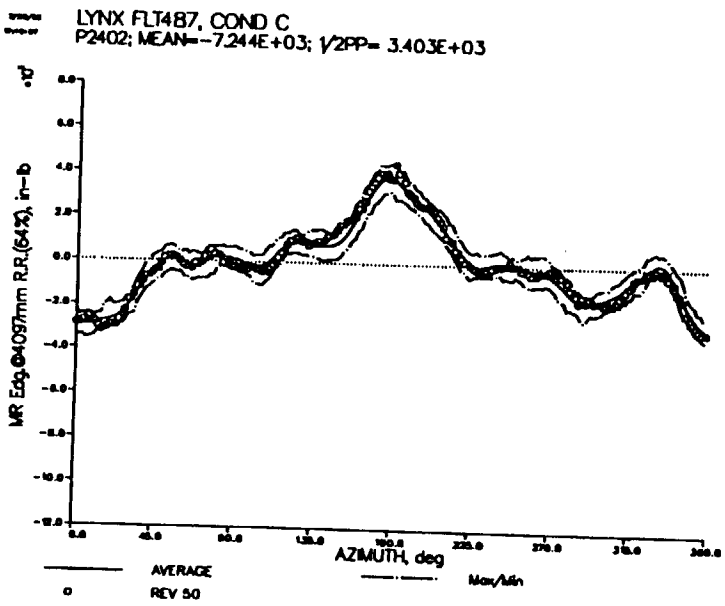

LYNX FLT487, COND C
P1802; MEAN=-2.542E+03; 1/2PP= 4.470E+03
MR Edg.@1.27mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

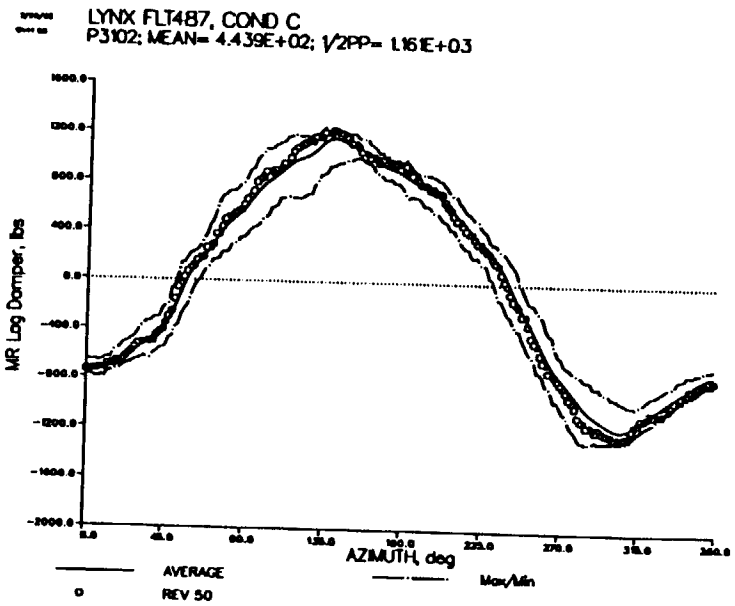

LYNX FLT487, COND C
P1602; MEAN=-3.495E+03; 1/2PP= 4.412E+03
MR Edg.@.917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT487, COND C
P2002; MEAN=-7.600E+03; 1/2PP= 6.151E+03
MR Edg.@.980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

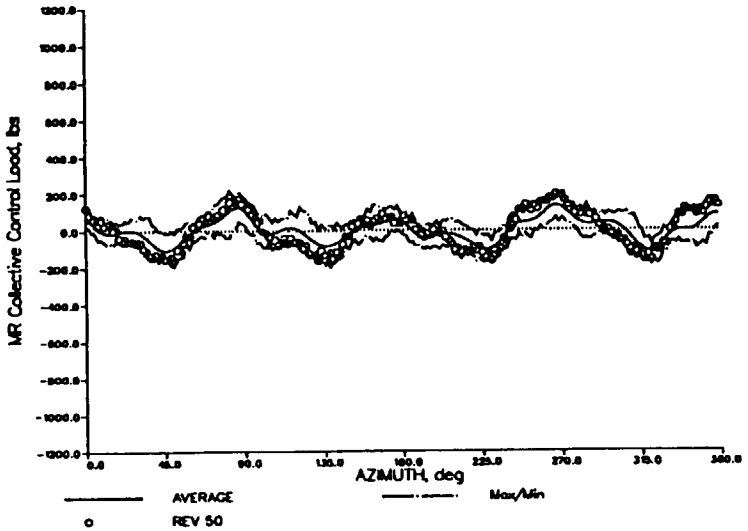

LYNX FLT487, COND C – RAW AVERAGE
P2202; MEAN= 3.556E+04; 1/2PP= 2.601E+04
MR Edg@3046mm R.R.(48%), in–lb
AZIMUTH, deg
Average
Max/Min


LYNX FLT487, COND C – RAW AVERAGE
P2602; MEAN= 1.292E+04; 1/2PP= 1.156E+04
MR Edg@5205mm R.R.(81%), in–lb
AZIMUTH, deg
Average
Max/Min

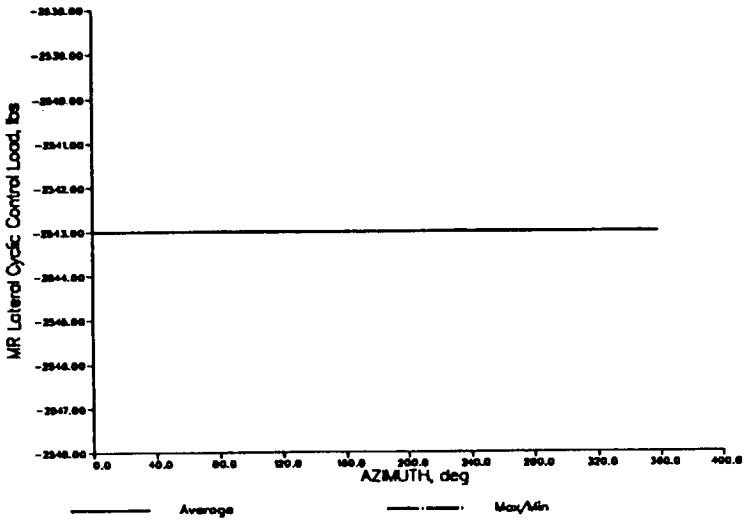

LYNX FLT487, COND C
P2402; MEAN=–7.244E+03; 1/2PP= 3.403E+03
MR Edg@4097mm R.R.(64%), in–lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND C
P3102; MEAN= 4.439E+02; 1/2PP= 1.161E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

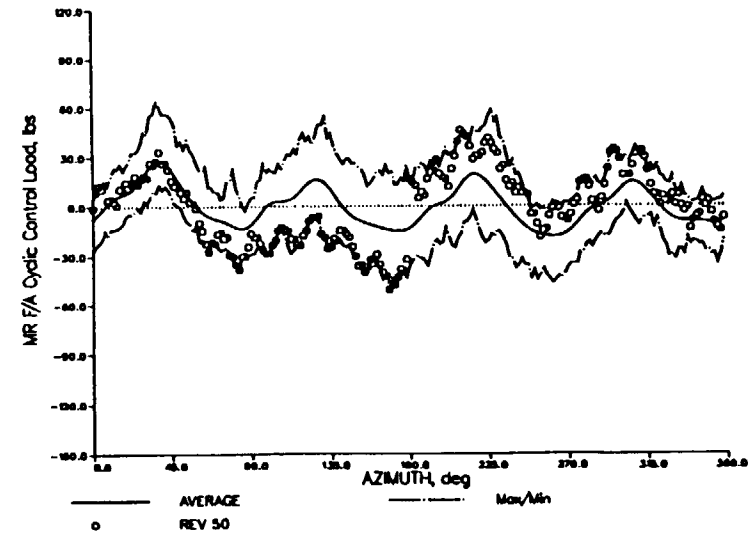
LYNX FLT487, COND C
P2802; MEAN=-5.785E+02; 1/2PP= 1.352E+02



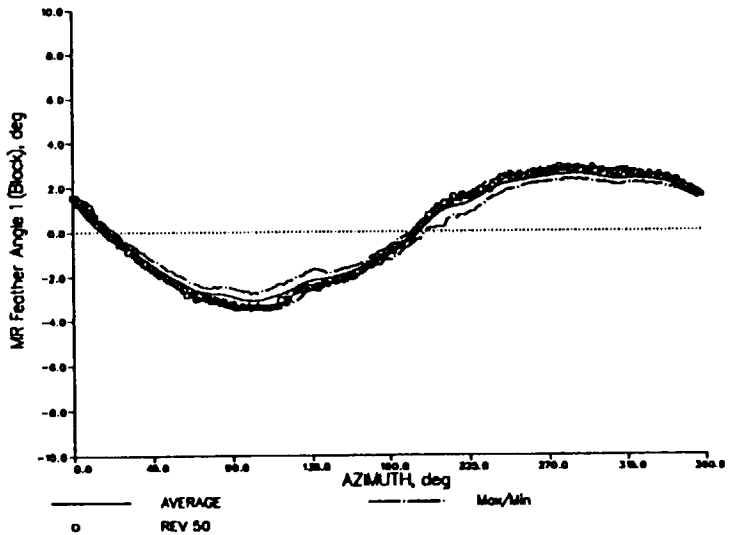
LYNX FLT487, COND C – RAW AVERAGE
P3202; MEAN=-2.543E+03; 1/2PP= 0.000E+00

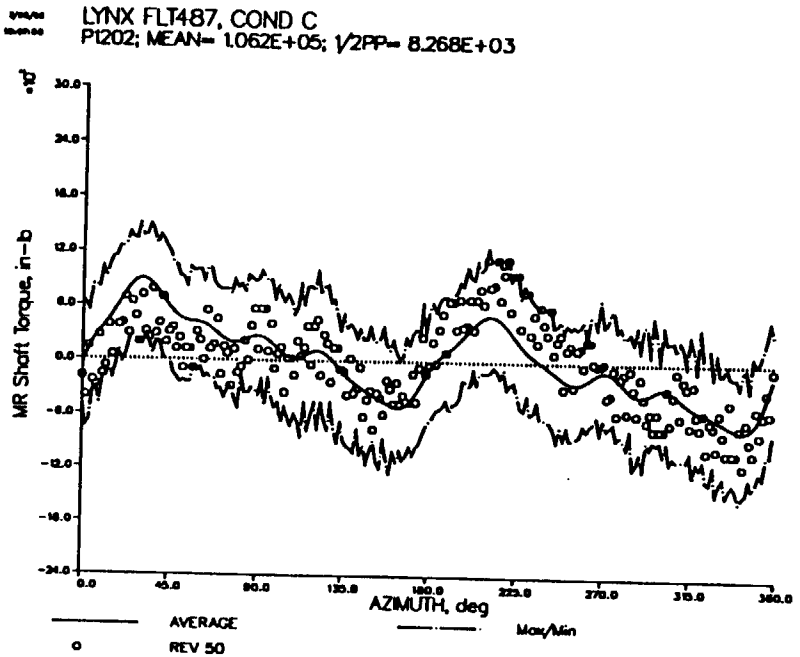


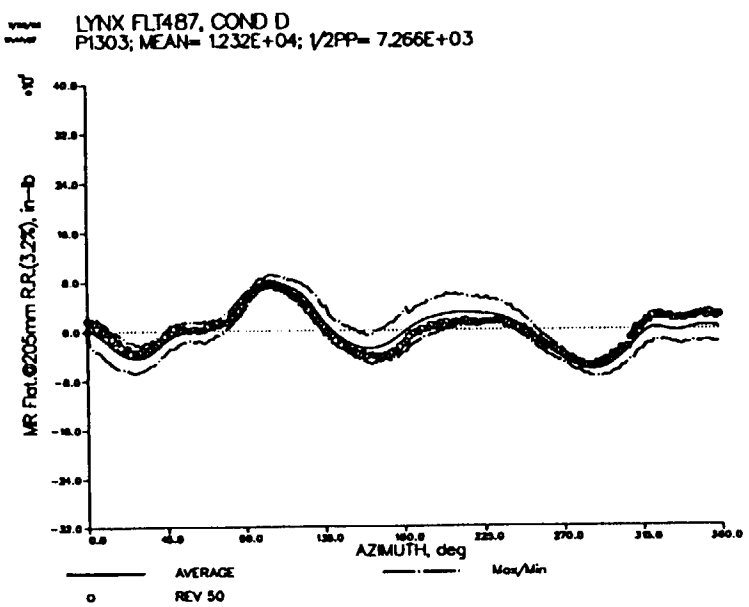
LYNX FLT487, COND C
P2902; MEAN= 3.932E+01; 1/2PP= 2.415E+01

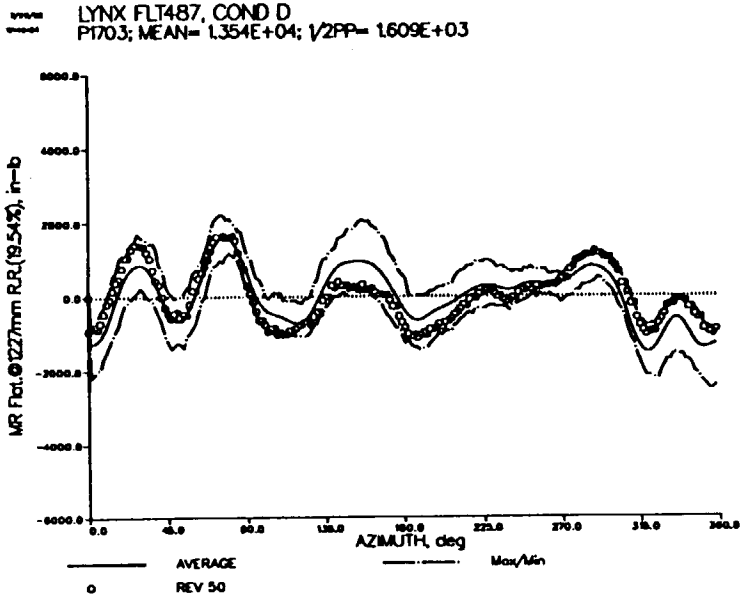


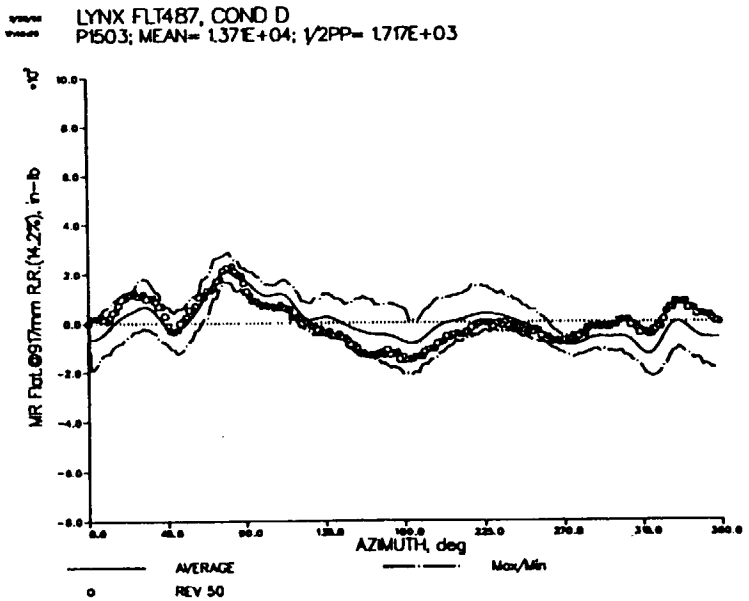
LYNX FLT487, COND C
P3002; MEAN= 1.076E+01; 1/2PP= 2.828E+00

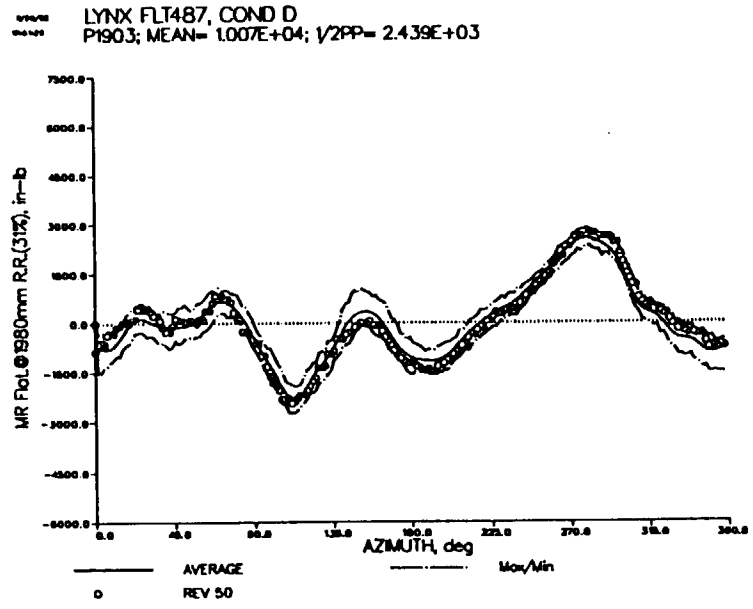


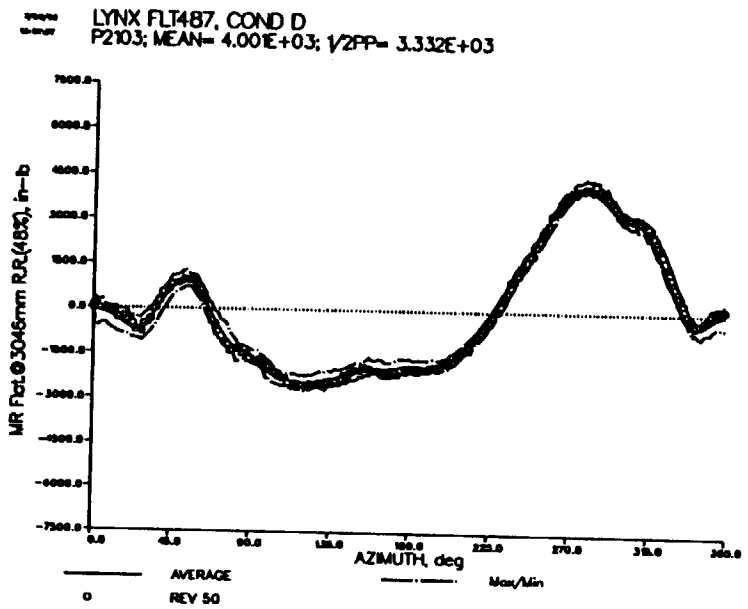

LYNX FLT487, COND C
P1202; MEAN= 1.062E+05; 1/2PP= 8.268E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

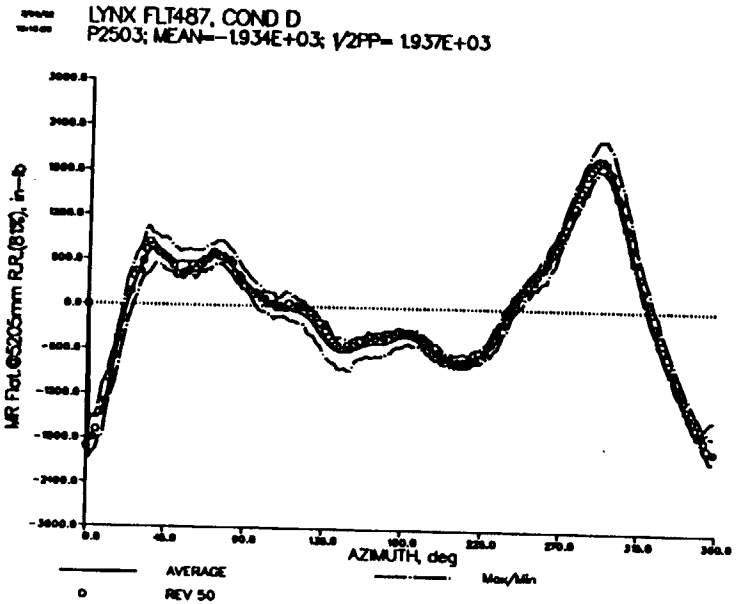

LYNX FLT487, COND D
P1303; MEAN= 1.232E+04; 1/2PP= 7.266E+03
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

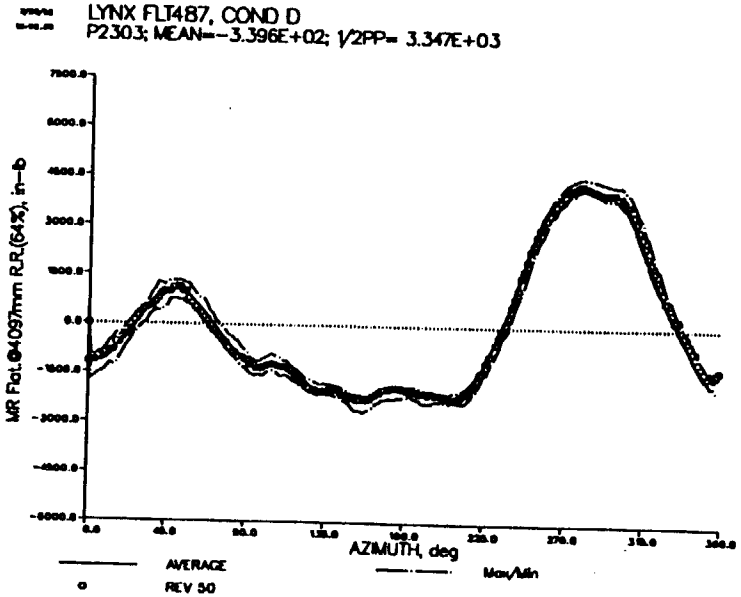

LYNX FLT487, COND D
P1703; MEAN= 1.354E+04; 1/2PP= 1.609E+03
MR Flat.@227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

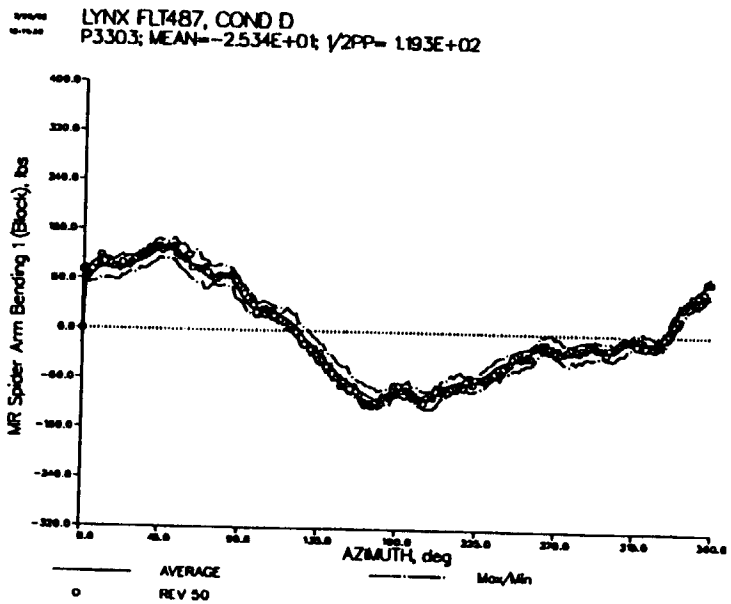

LYNX FLT487, COND D
P1503; MEAN= 1.371E+04; 1/2PP= 1.717E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

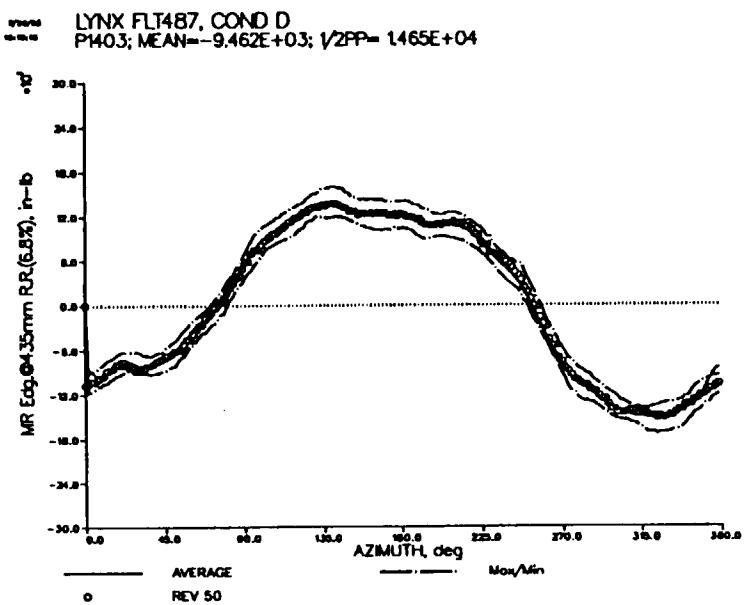

LYNX FLT487, COND D
P1903; MEAN= 1.007E+04; 1/2PP= 2.439E+03
MR Flat.@980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

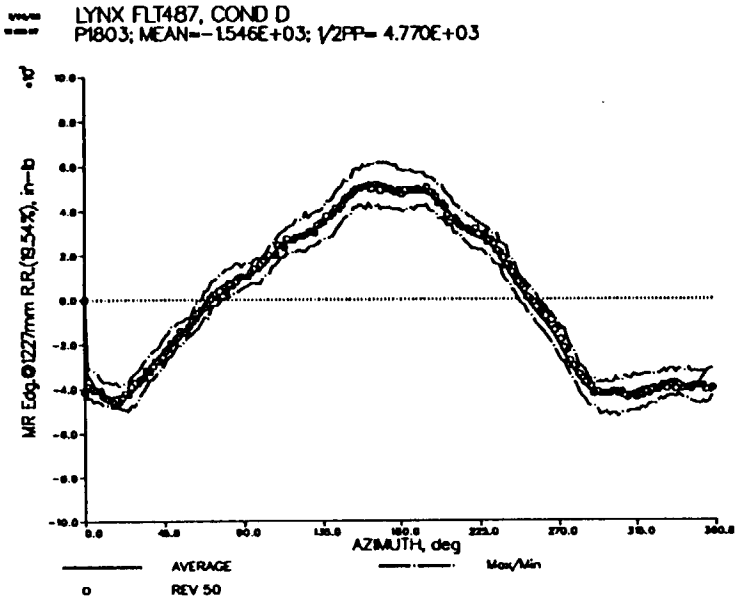

LYNX FLT487, COND D
P2103; MEAN= 4.001E+03; 1/2PP= 3.332E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

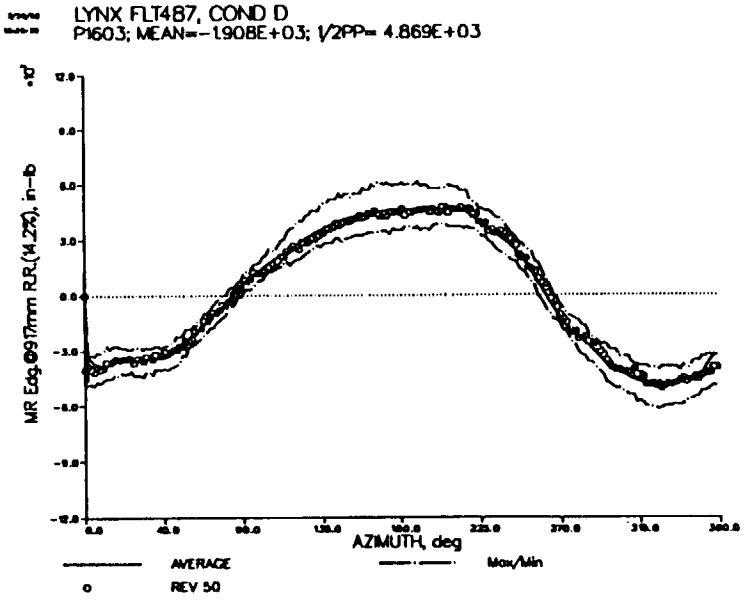

LYNX FLT487, COND D
P2503; MEAN=-1.934E+03; 1/2PP= 1.937E+03
MR Flat.@3205mm R.R.(51%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

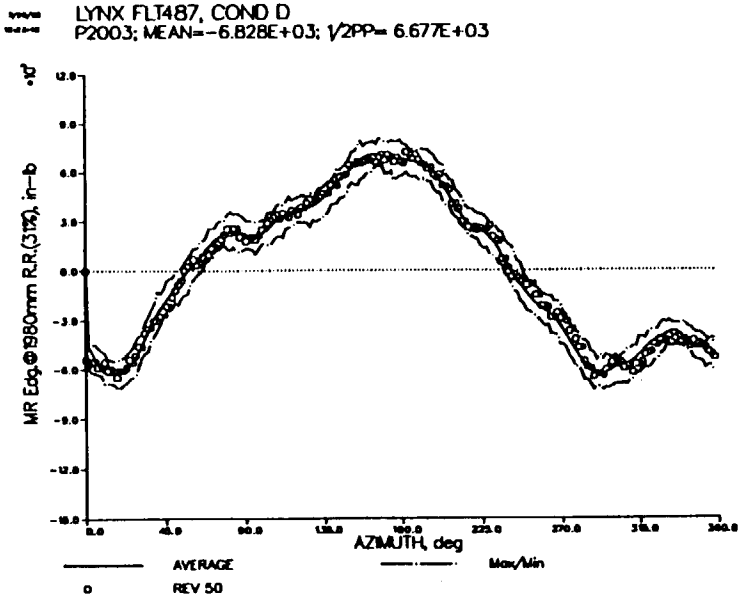

LYNX FLT487, COND D
P2303; MEAN=-3.396E+02; 1/2PP= 3.347E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

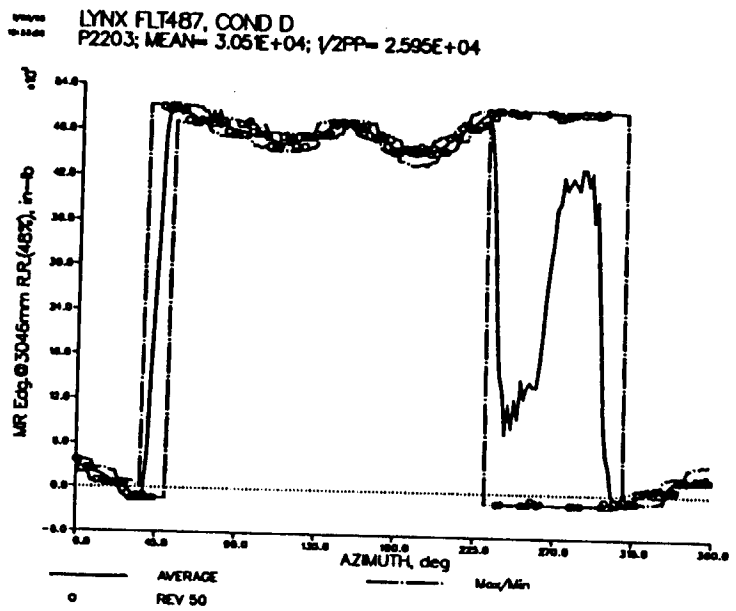

LYNX FLT487, COND D
P3303; MEAN=-2.534E+01; 1/2PP= 1.193E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

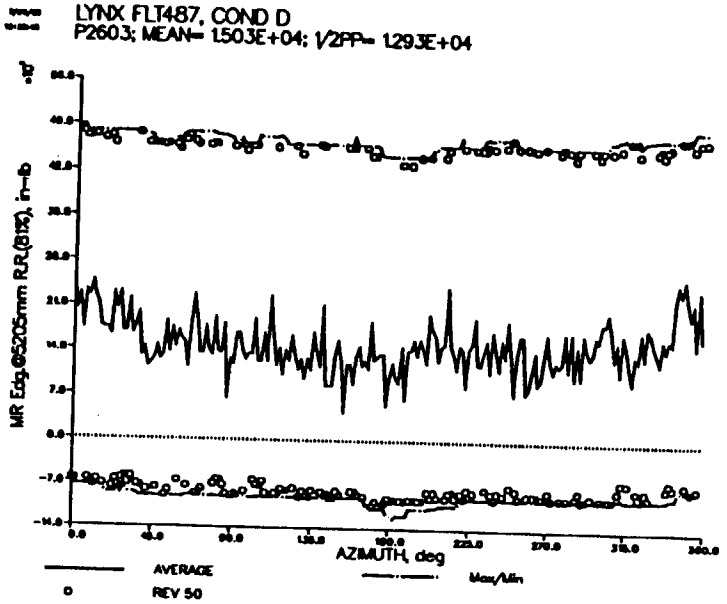

LYNX FLT487, COND D
P1403; MEAN=-9.462E+03; 1/2PP= 1.465E+04
MR Edg.@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

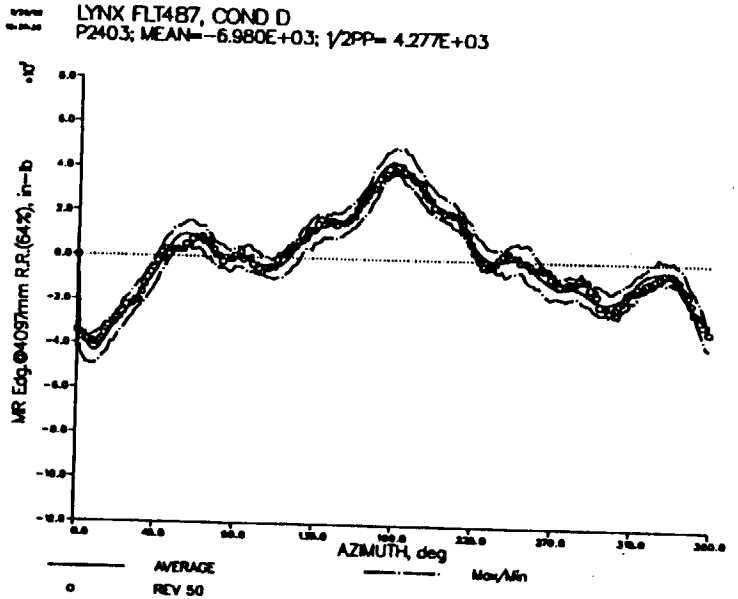

LYNX FLT487, COND D
P1803; MEAN=-1.546E+03; 1/2PP= 4.770E+03
MR Edg.@127mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

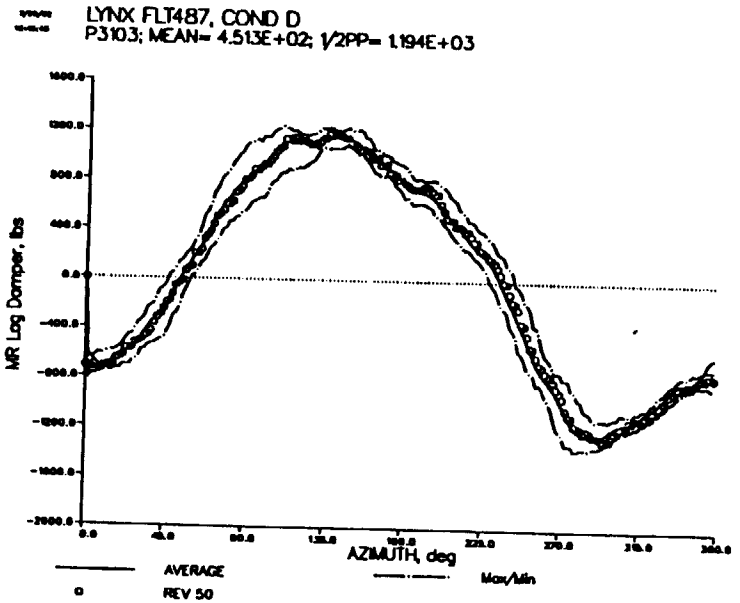

LYNX FLT487, COND D
P1603; MEAN=-1.908E+03; 1/2PP= 4.869E+03
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT487, COND D
P2003; MEAN=-6.828E+03; 1/2PP= 6.677E+03
MR Edg.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

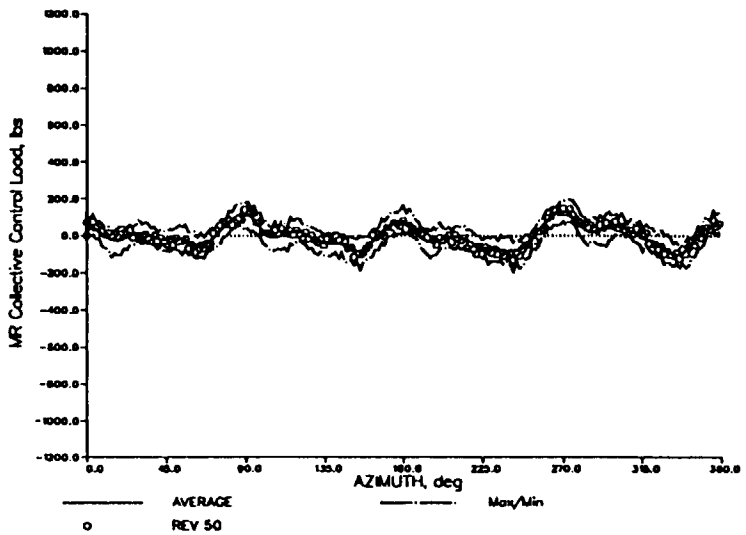

LYNX FLT487, COND D
P2203; MEAN= 3.051E+04; 1/2PP= 2.595E+04
MR Edg.@3045mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND D
P2603; MEAN= 1.503E+04; 1/2PP= 1.293E+04
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

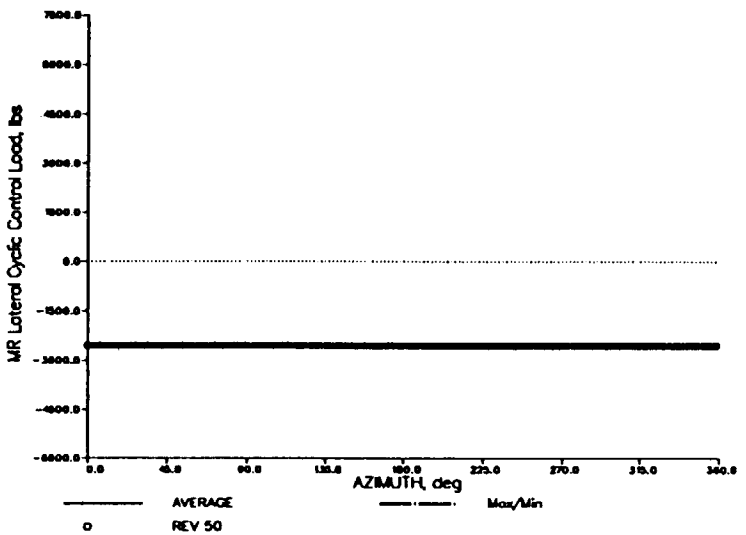

LYNX FLT487, COND D
P2403; MEAN=-6.980E+03; 1/2PP= 4.277E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND D
P3103; MEAN= 4.513E+02; 1/2PP= 1.194E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

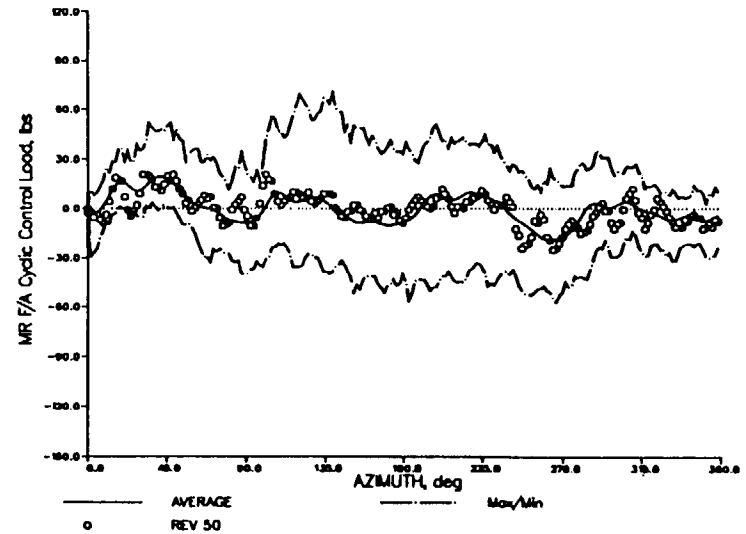
LYNX FLT487, COND D
P2803; MEAN=-7.092E+02; 1/2PP= 1.274E+02



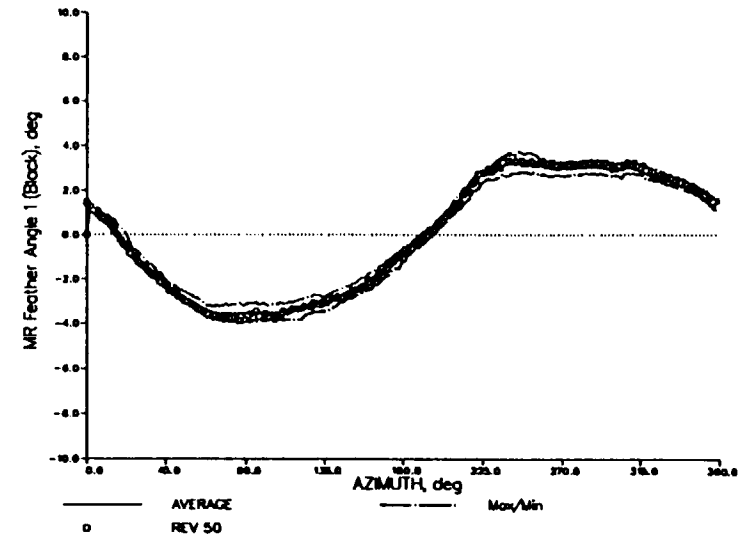
LYNX FLT487, COND D
P3203; MEAN=-2.543E+03; 1/2PP= 0.000E+00

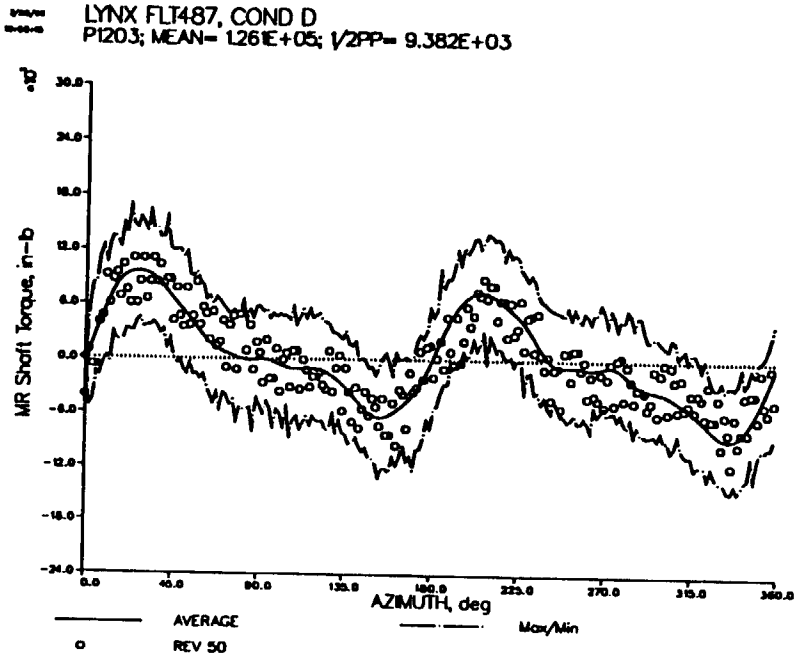


LYNX FLT487, COND D
P2903; MEAN= 3.238E+01; 1/2PP= 1.951E+01

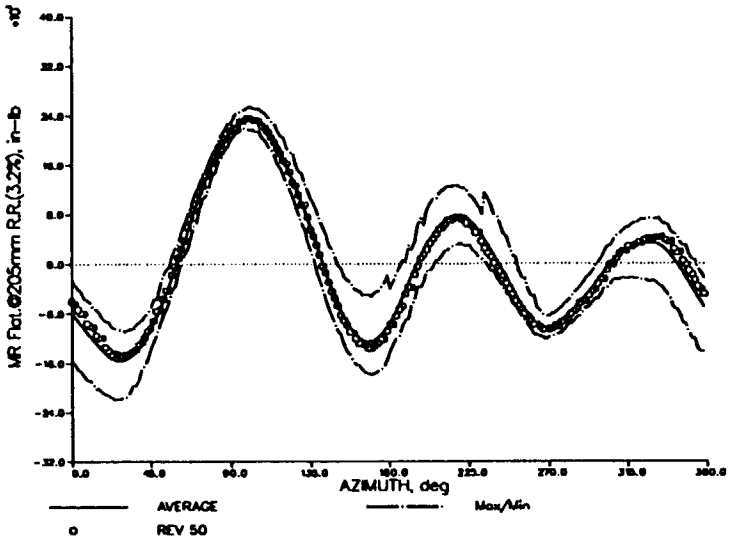


LYNX FLT487, COND D
P3003; MEAN= 1.203E+01; 1/2PP= 3.407E+00

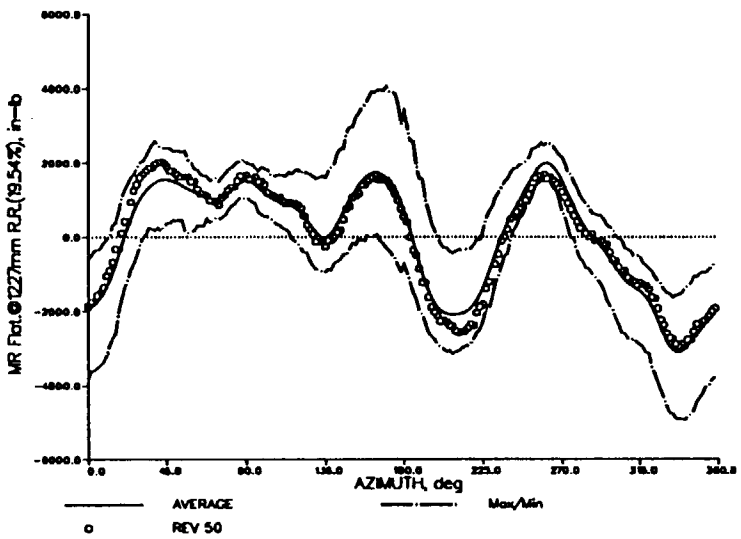



LYNX FLT487, COND D
P1203; MEAN= 1.261E+05; V2PP= 9.382E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

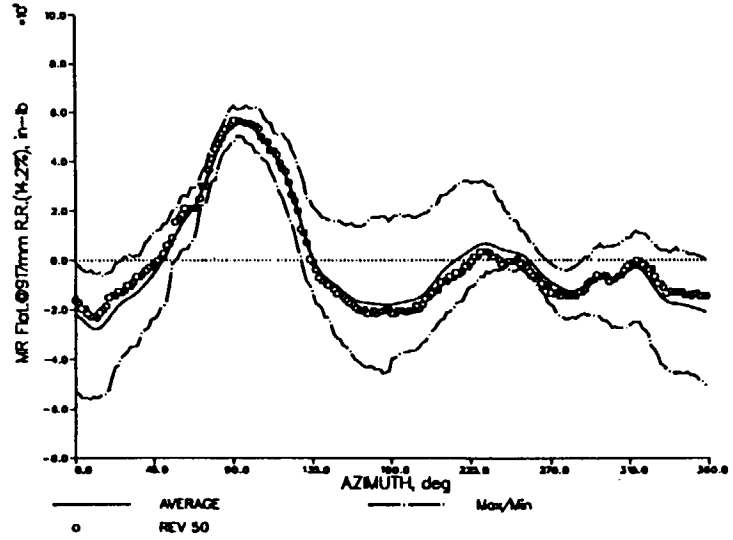
LYNX FLT487, COND F
P1304; MEAN= 1.521E+04; 1/2PP= 1.964E+04



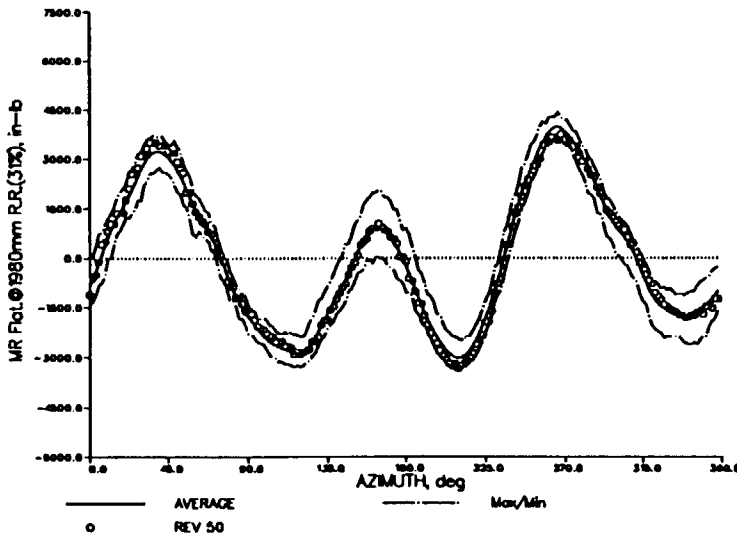
LYNX FLT487, COND F
P1704; MEAN= 1.477E+04; 1/2PP= 2.537E+03



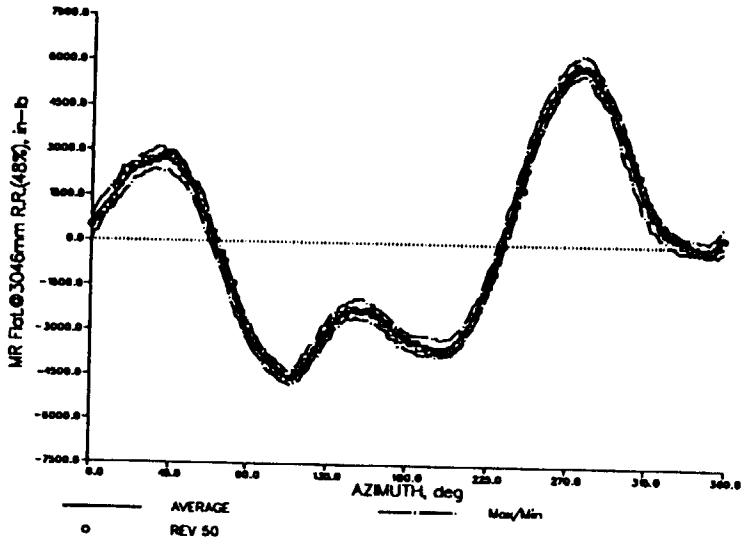
LYNX FLT487, COND F
P1504; MEAN= 1.444E+04; 1/2PP= 4.161E+03



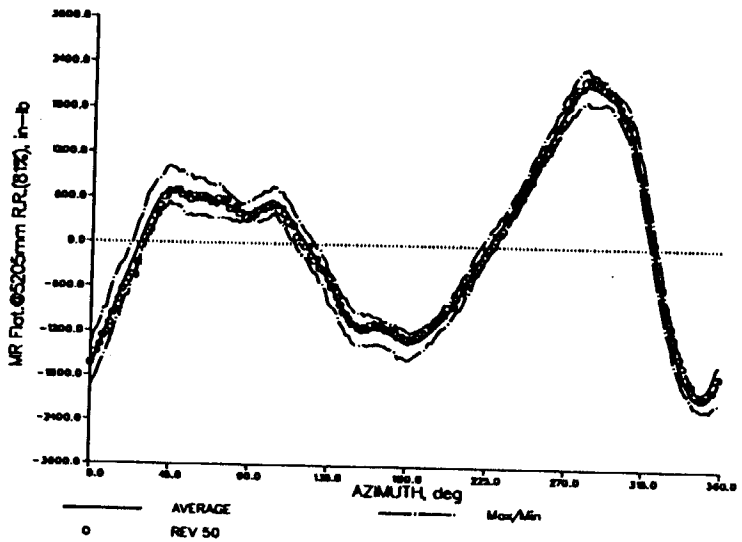
LYNX FLT487, COND F
P1904; MEAN= 1.110E+04; 1/2PP= 3.475E+03



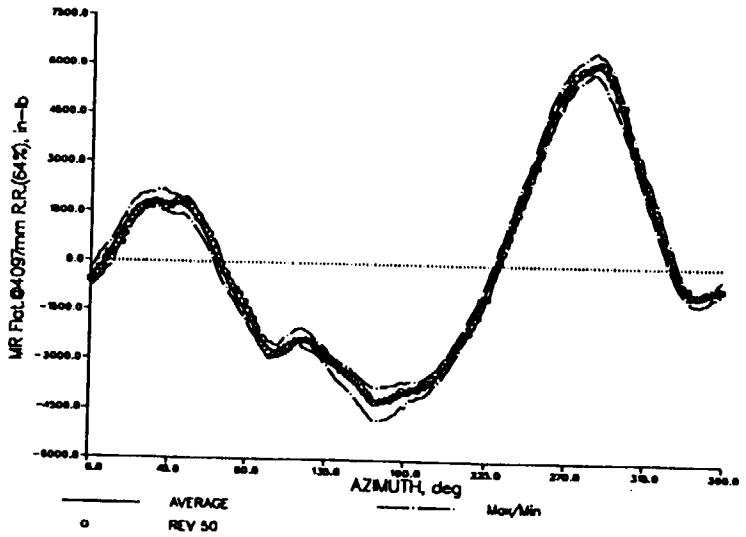
LYNX FLT487, COND F
P2104; MEAN= 4.599E+03; 1/2PP= 5.256E+03



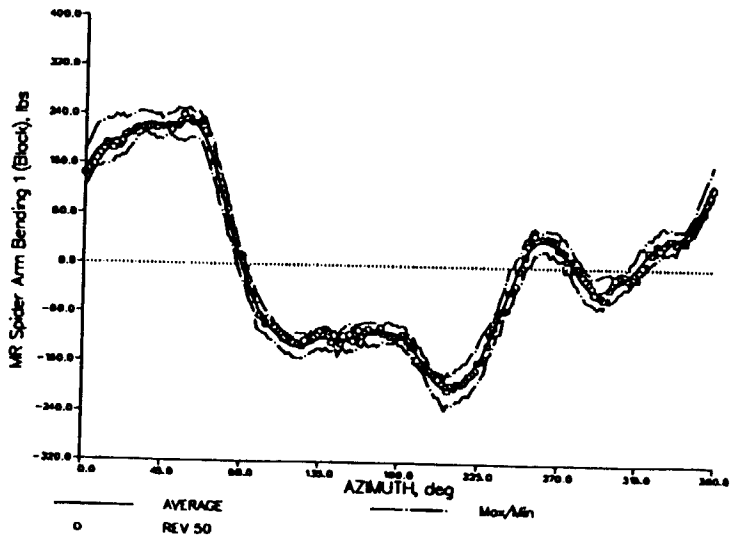
LYNX FLT487, COND F
P2504; MEAN=–2.000E+03; 1/2PP= 2.114E+03



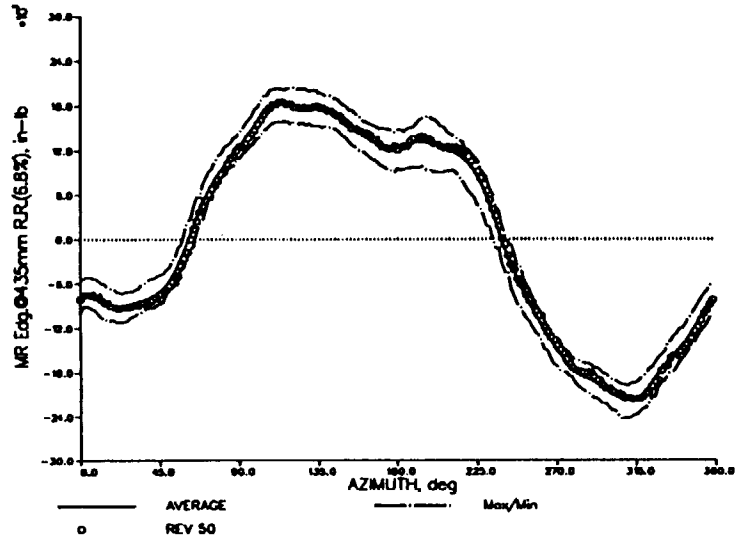
LYNX FLT487, COND F
P2304; MEAN=–8.157E+00; 1/2PP= 5.167E+03



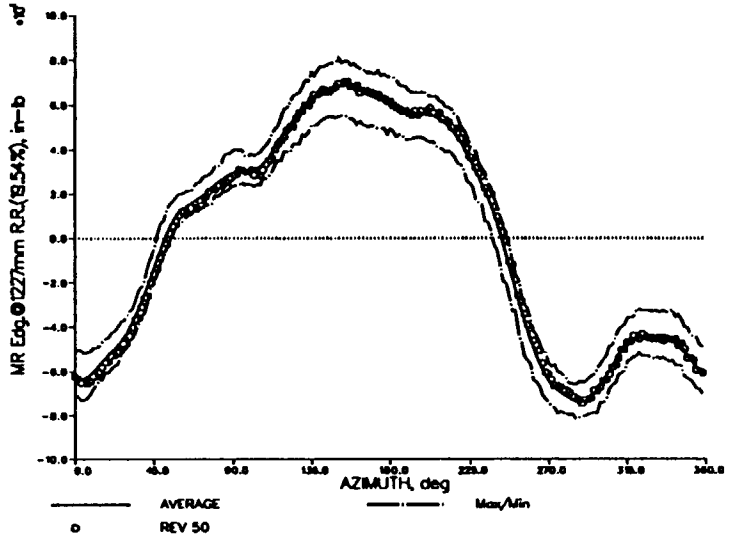
LYNX FLT487, COND F
P3304; MEAN=–5.864E+01; 1/2PP= 2.148E+02



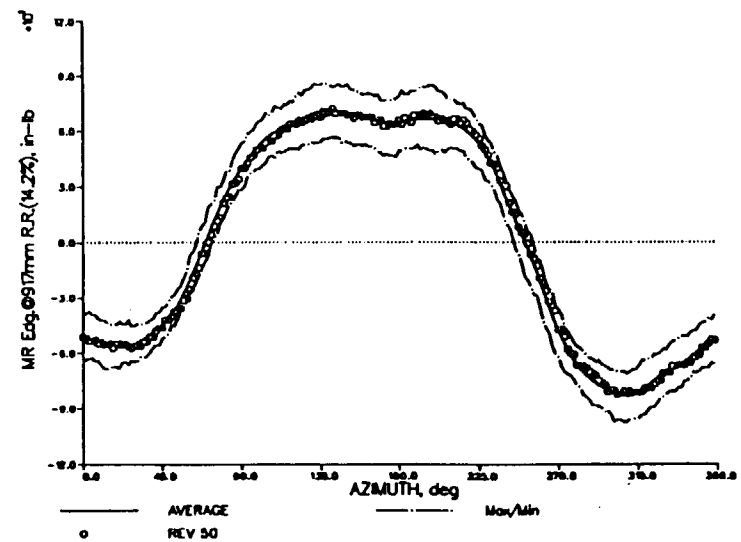
LYNX FLT487, COND F
P1404; MEAN= 1.581E+03; √2PP= 2.004E+04



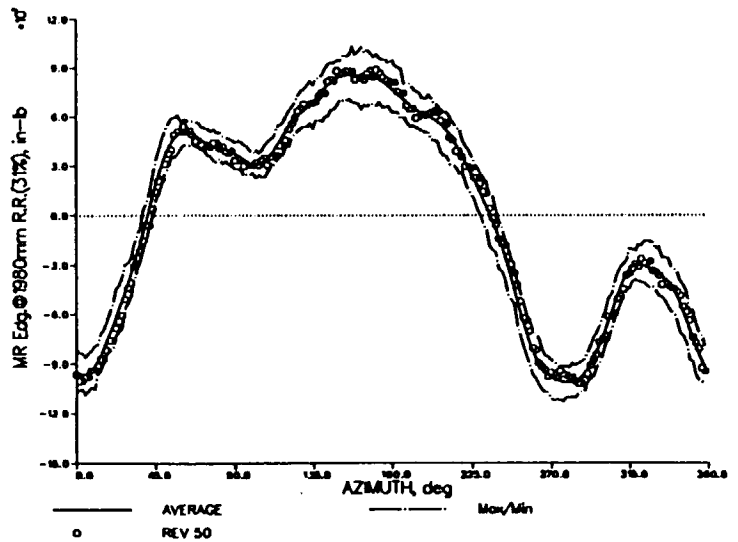
LYNX FLT487, COND F
P1804; MEAN= 2.165E+03; √2PP= 7.154E+03

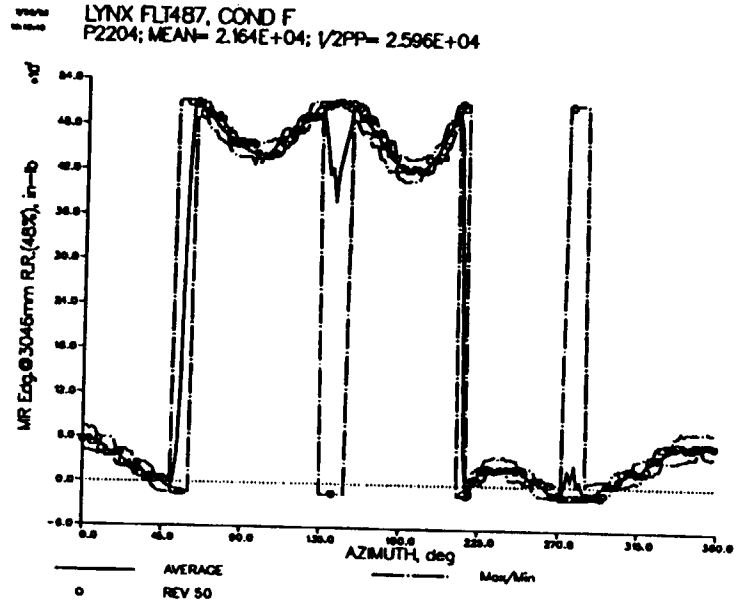


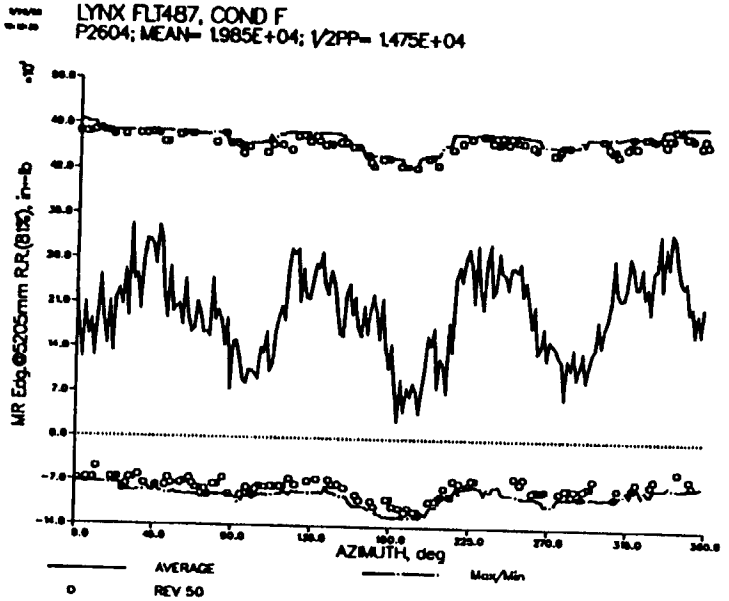
LYNX FLT487, COND F
P1604; MEAN= 4.022E+03; √2PP= 7.737E+03

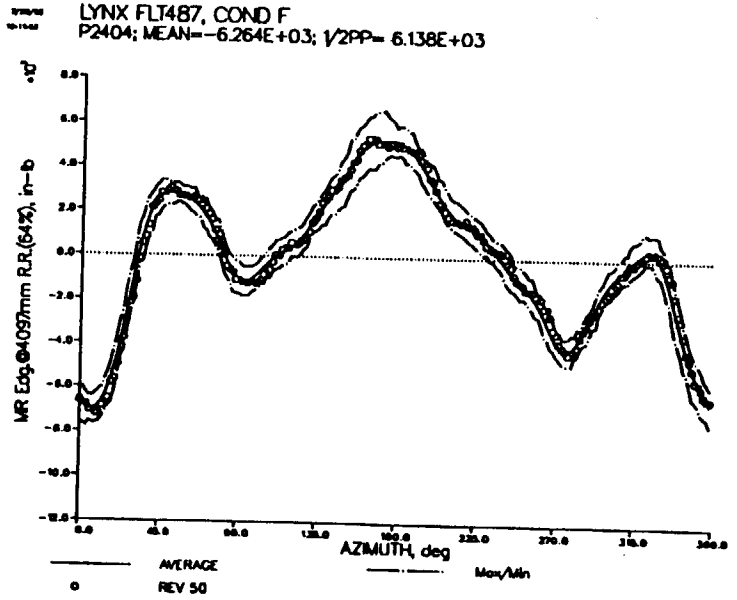


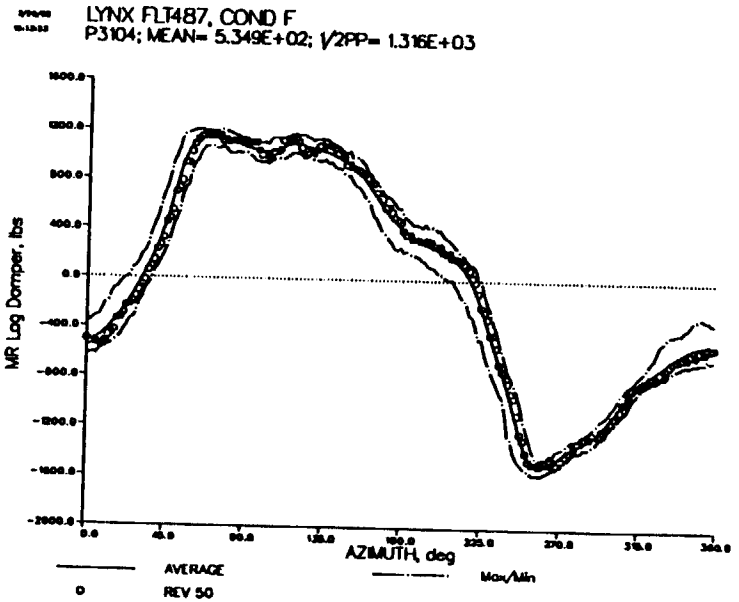
LYNX FLT487, COND F
P2004; MEAN=-4.265E+03; √2PP= 9.356E+03



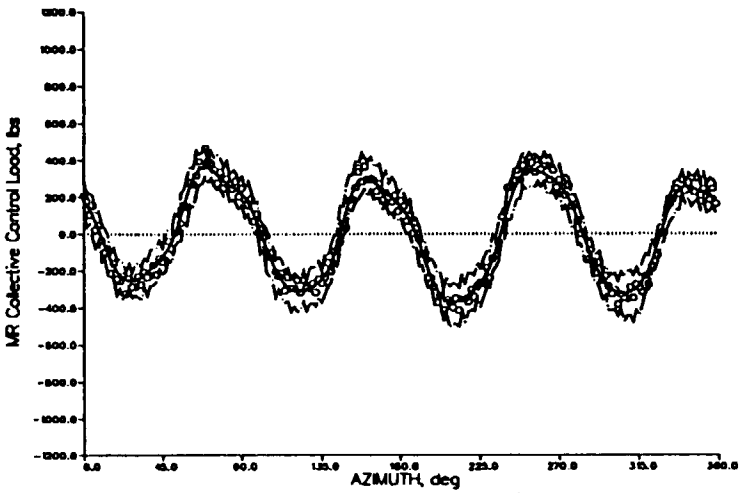

LYNX FLT487, COND F
P2204; MEAN= 2.164E+04; 1/2PP= 2.596E+04
MR Edg@3046mm R,R,(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND F
P2604; MEAN= 1.985E+04; 1/2PP= 1.475E+04
MR Edg@5205mm R,R,(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

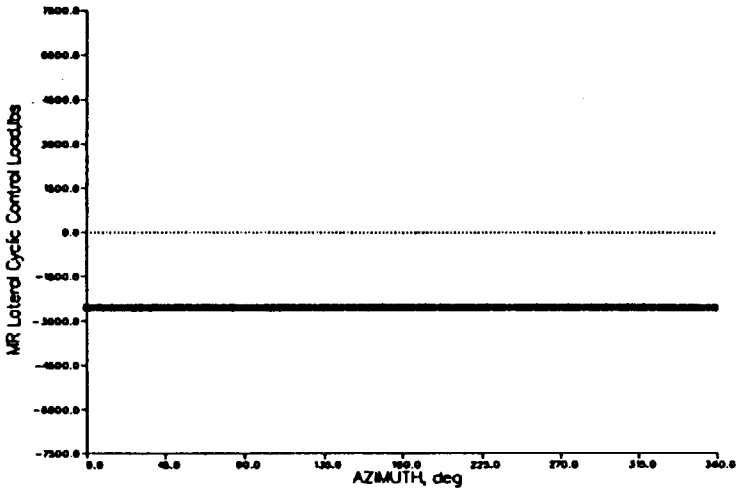

LYNX FLT487, COND F
P2404; MEAN=-6.264E+03; 1/2PP= 6.138E+03
MR Edg@4097mm R,R,(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND F
P3104; MEAN= 5.349E+02; 1/2PP= 1.316E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

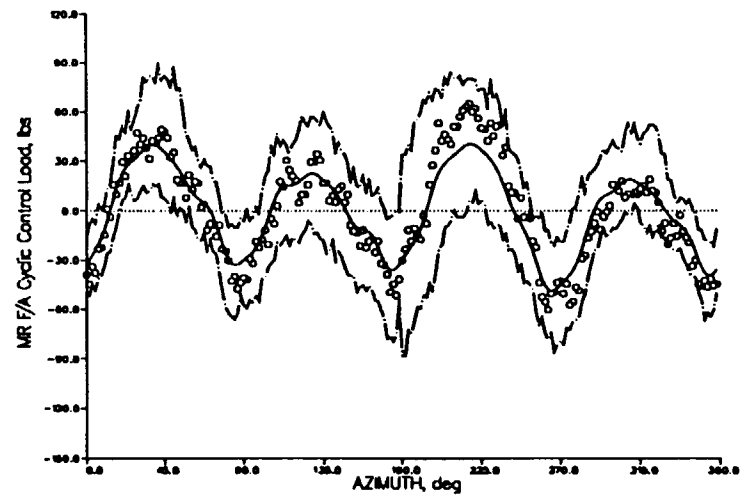
LYNX FLT487, COND F
P2804; MEAN=-1.116E+03; 1/2PP= 3.912E+02



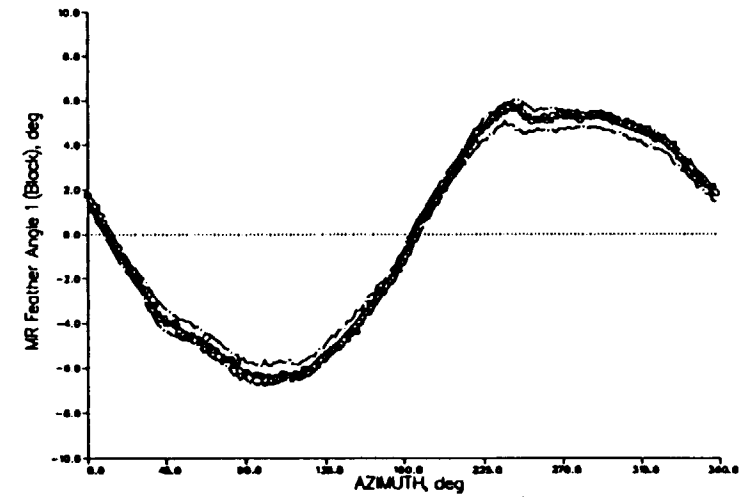
LYNX FLT487, COND F
P3204; MEAN=-2.543E+03; 1/2PP= 0.000E+00

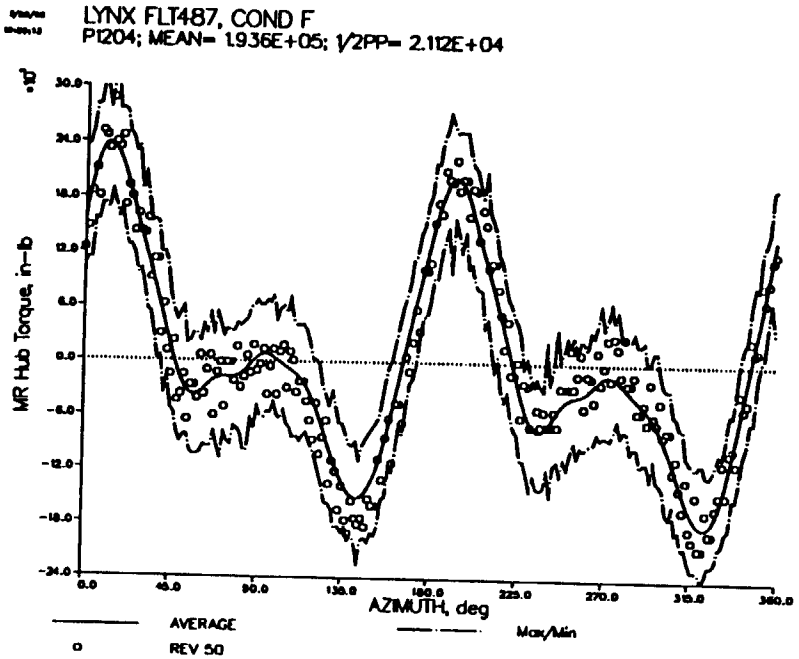


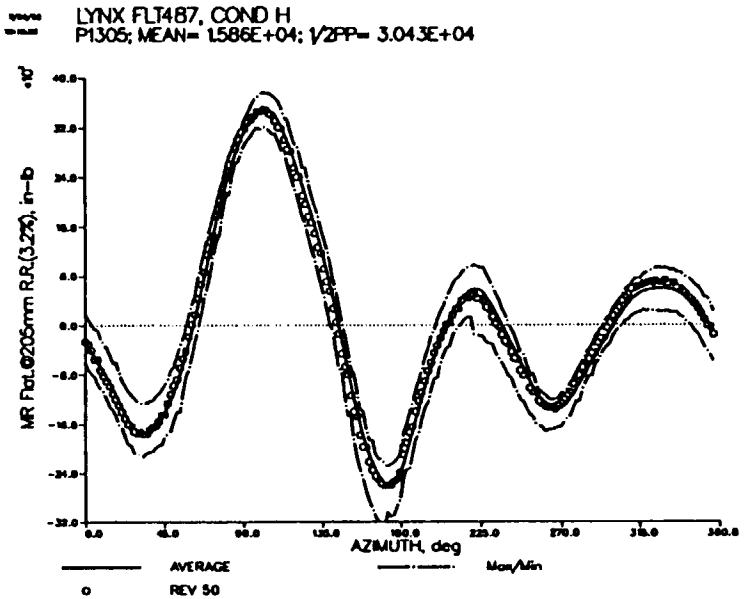
LYNX FLT487, COND F
P2904; MEAN= 1.803E+01; 1/2PP= 4.609E+01

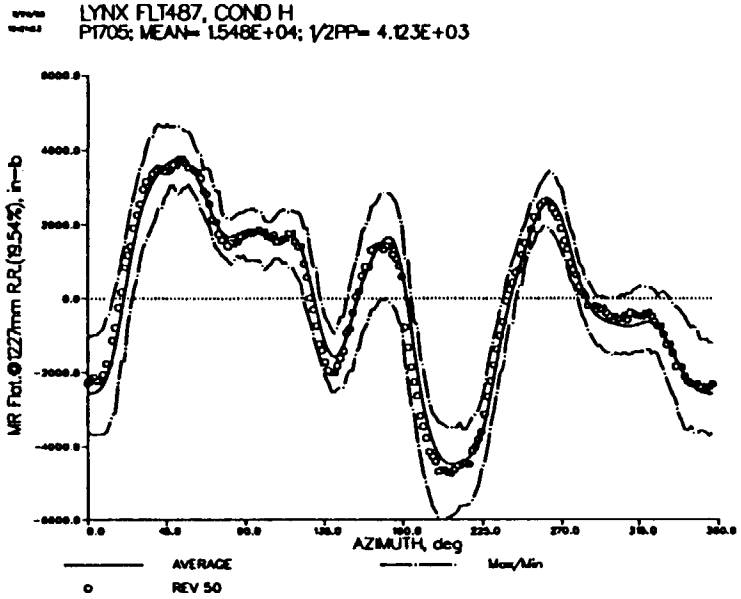


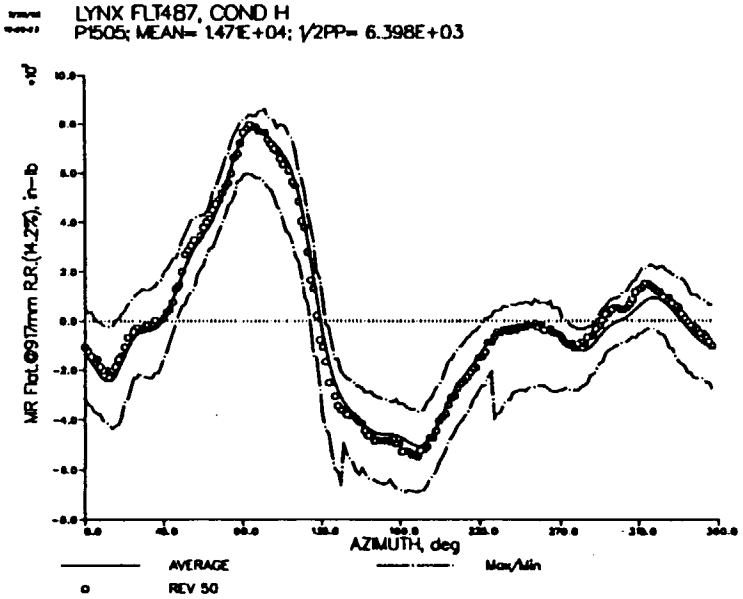
LYNX FLT487, COND F
P3004; MEAN= 1.623E+01; 1/2PP= 5.980E+00

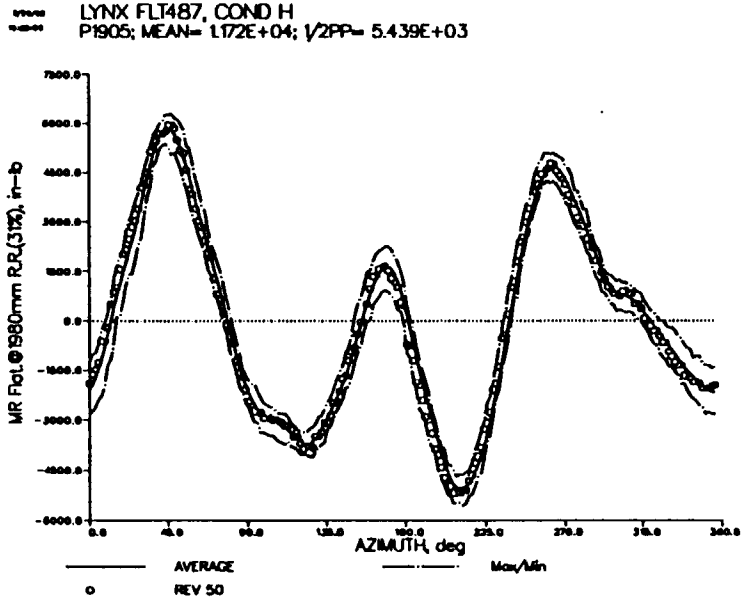


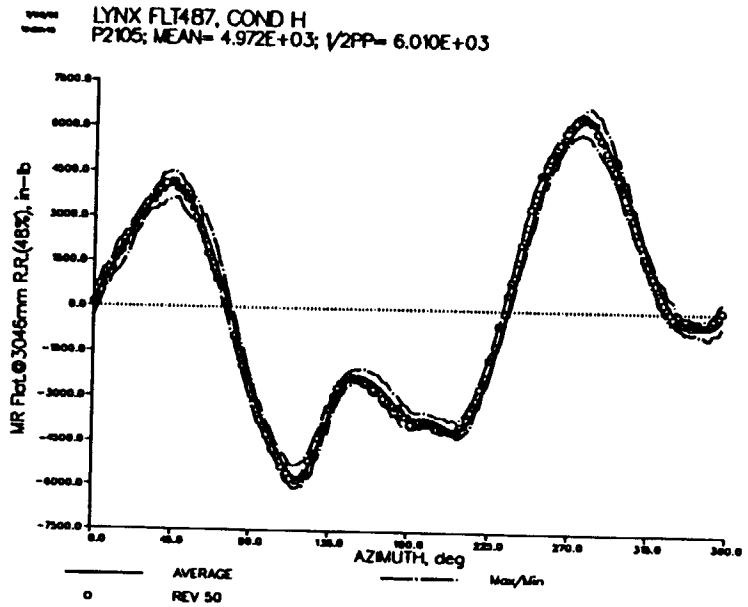

LYNX FLT487, COND F
P1204; MEAN= 1.936E+05; 1/2PP= 2.112E+04
MR Hub Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

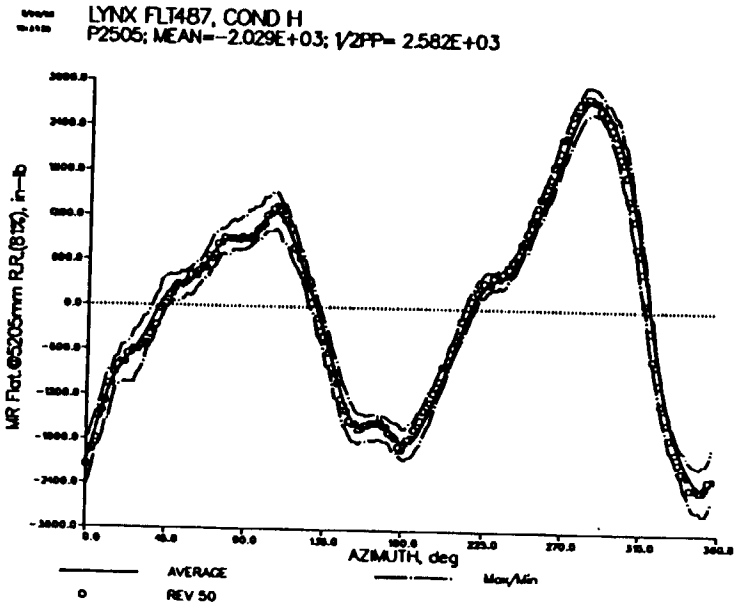

LYNX FLT487, COND H
P1305; MEAN= 1.586E+04; 1/2PP= 3.043E+04
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

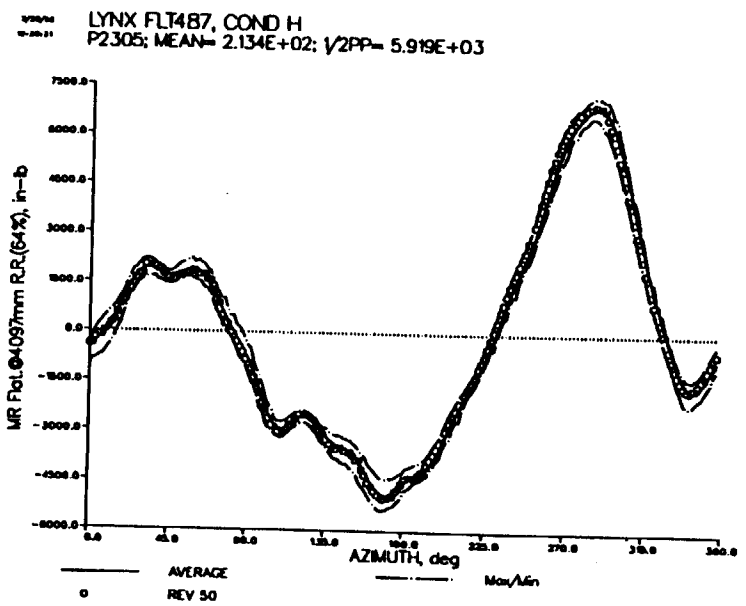

LYNX FLT487, COND H
P1705; MEAN= 1.548E+04; 1/2PP= 4.123E+03
MR Flat.@227mm R.R.(9.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

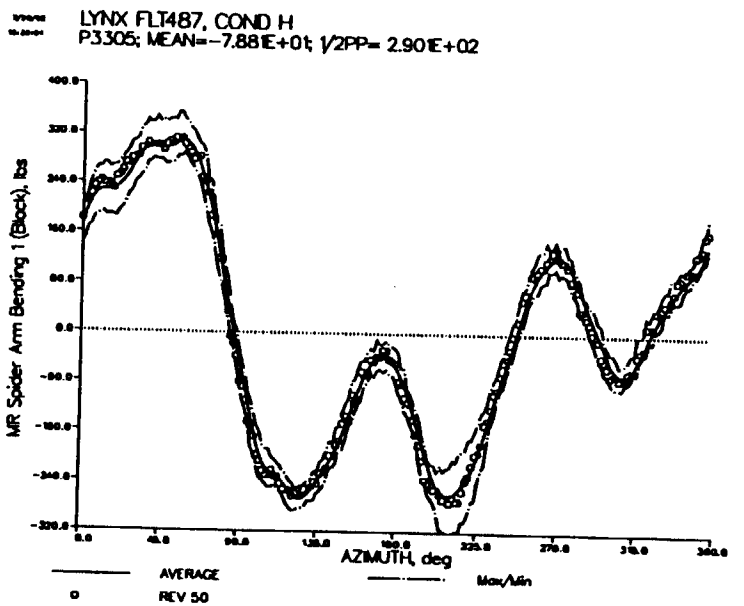

LYNX FLT487, COND H
P1505; MEAN= 1.471E+04; 1/2PP= 6.398E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

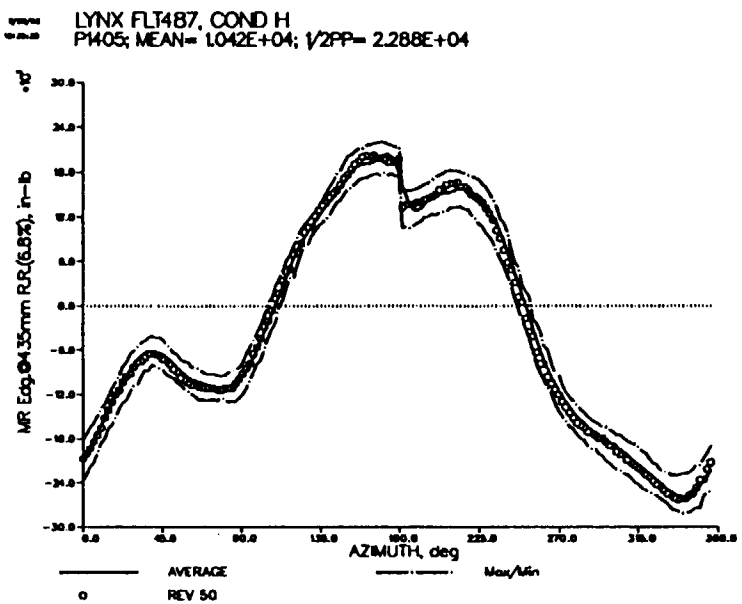

LYNX FLT487, COND H
P1905; MEAN= 1.172E+04; 1/2PP= 5.439E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

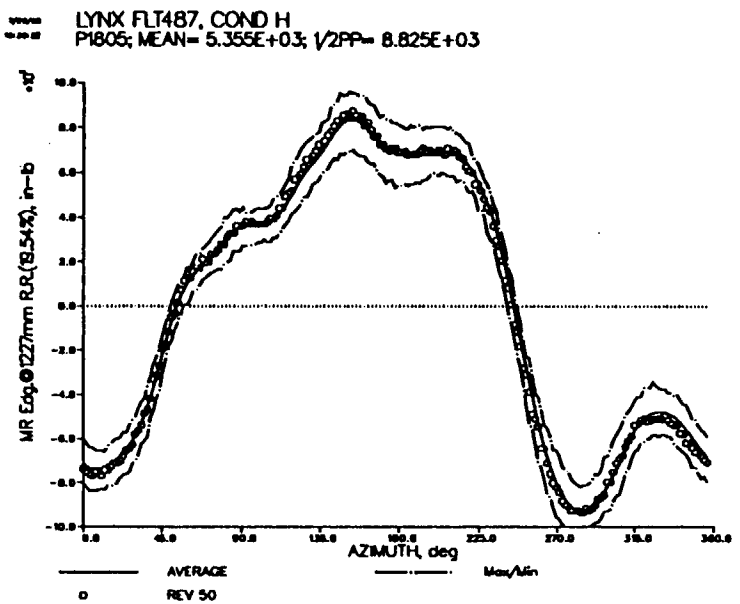

LYNX FLT487, COND H
P2105; MEAN= 4.972E+03; V2PP= 6.010E+03
MR Flat.@3045mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

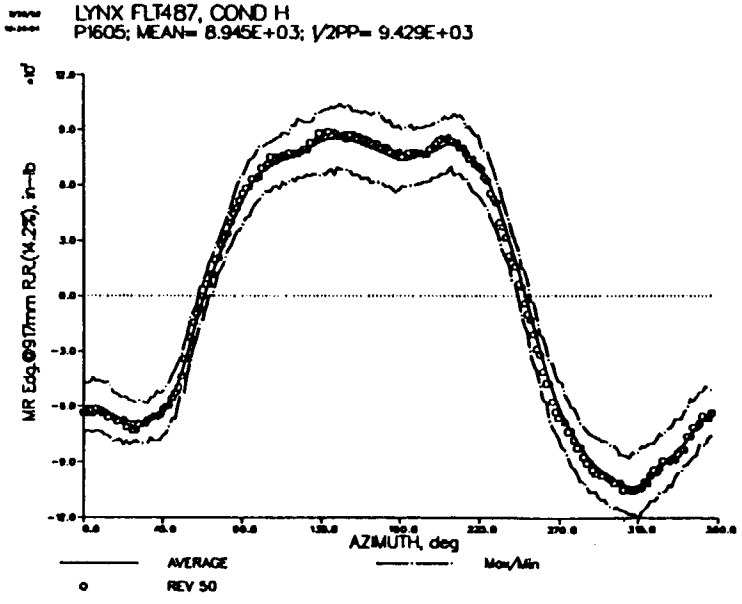

LYNX FLT487, COND H
P2505; MEAN=-2.029E+03; V2PP= 2.582E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

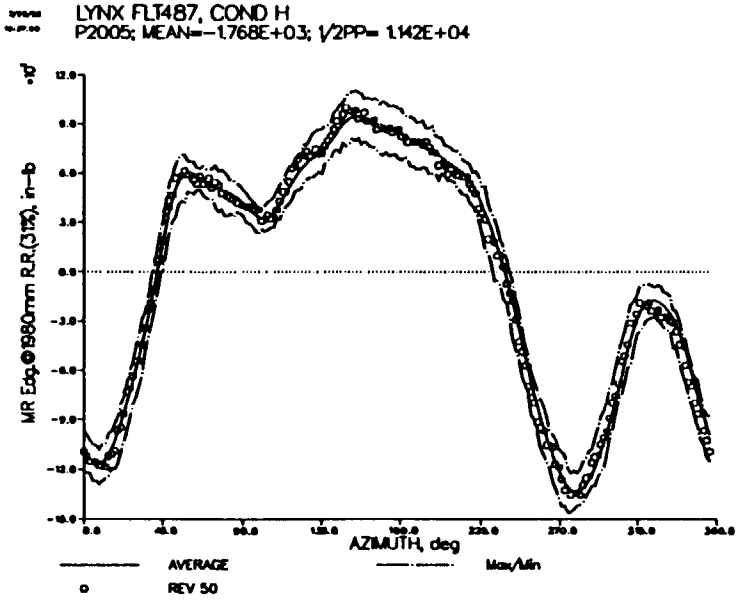

LYNX FLT487, COND H
P2305; MEAN= 2.134E+02; V2PP= 5.919E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

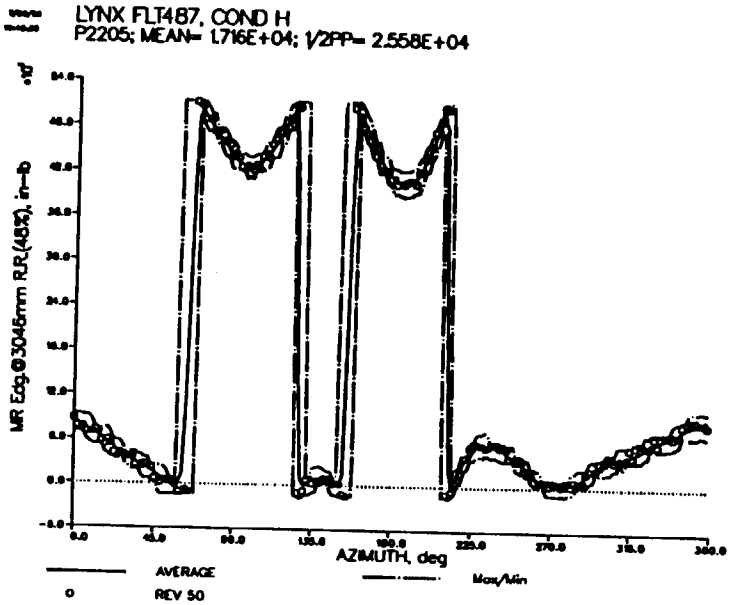

LYNX FLT487, COND H
P3305; MEAN=-7.881E+01; V2PP= 2.901E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

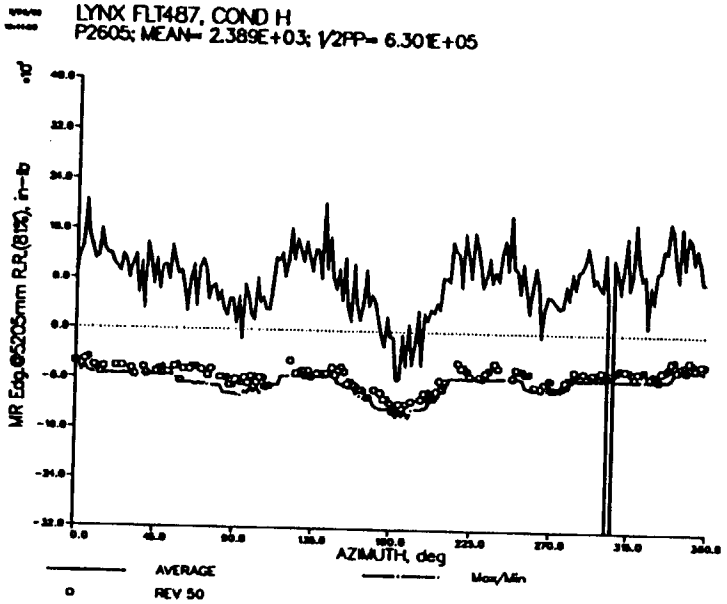

LYNX FLT487, COND H
P1405; MEAN= 1.042E+04; 1/2PP= 2.288E+04
MR Edg,@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

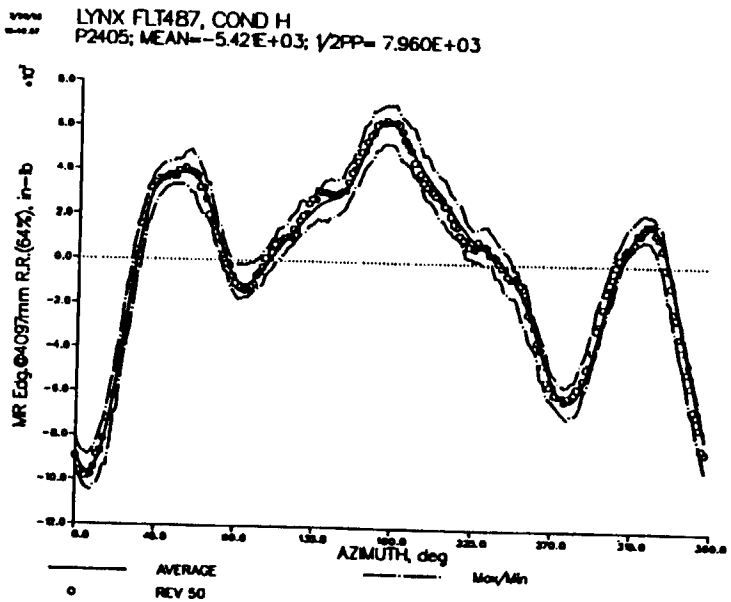

LYNX FLT487, COND H
P1805; MEAN= 5.355E+03; 1/2PP= 8.825E+03
MR Edg,@12.27mm R.R.(8.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

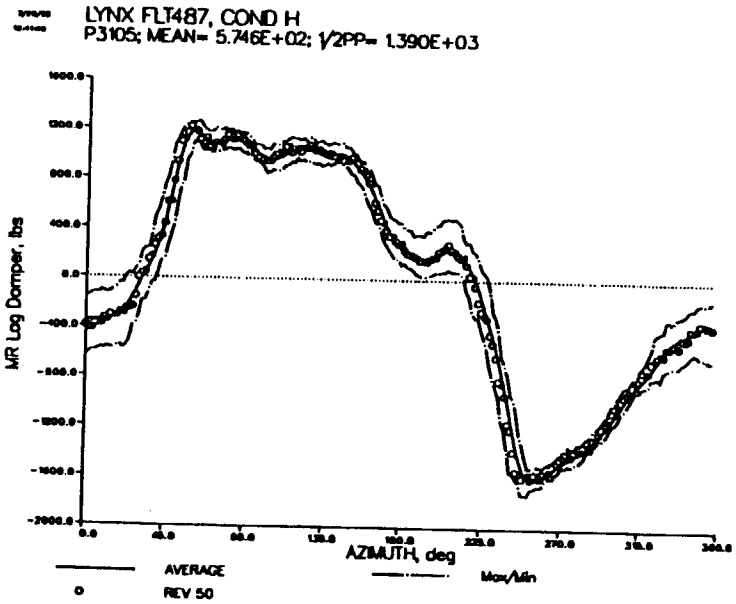

LYNX FLT487, COND H
P1605; MEAN= 8.945E+03; 1/2PP= 9.429E+03
MR Edg,@9.17mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT487, COND H
P2005; MEAN=-1.768E+03; 1/2PP= 1.142E+04
MR Edg,@19.80mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

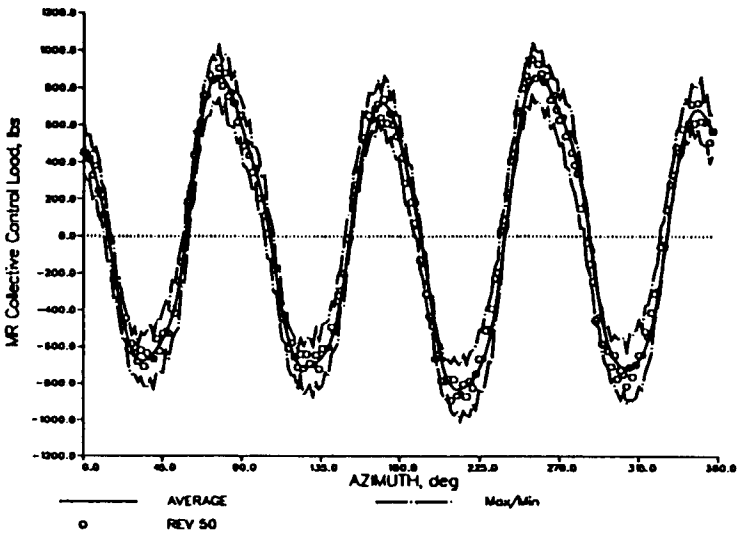

LYNX FLT487, COND H
P2205; MEAN= 1.716E+04; 1/2PP= 2.558E+04
MR Edg,@3046mm R,R,(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND H
P2605; MEAN= 2.389E+03; 1/2PP= 6.301E+05
MR Edg,@3205mm R,R,(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

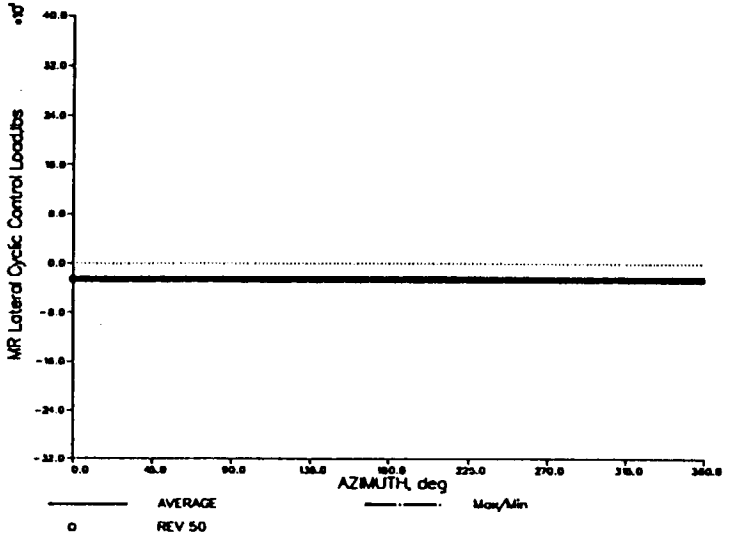

LYNX FLT487, COND H
P2405; MEAN=-5.421E+03; 1/2PP= 7.960E+03
MR Edg,@4097mm R,R,(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT487, COND H
P3105; MEAN= 5.746E+02; 1/2PP= 1.390E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

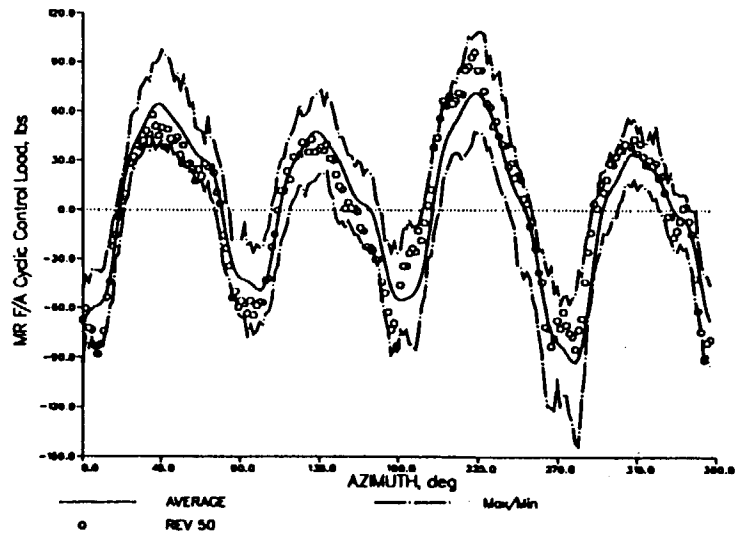
LYNX FLT487, COND H
P2805; MEAN=-1.393E+03; 1/2PP= 8.826E+02



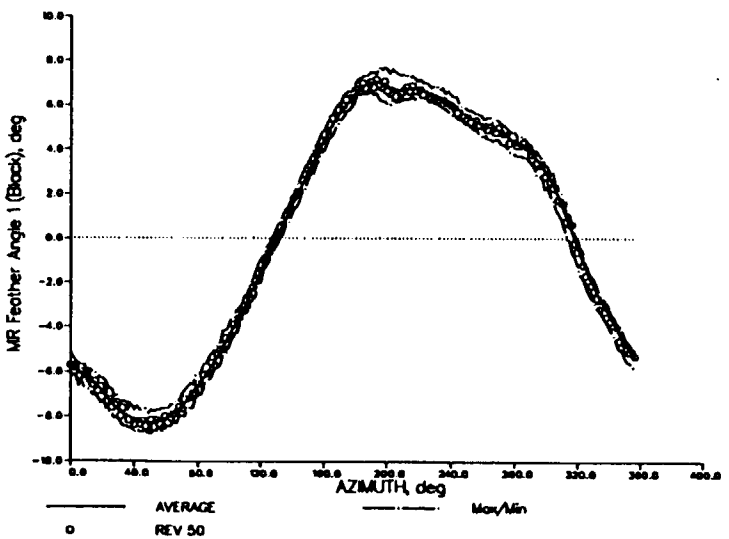
LYNX FLT487, COND H
P3205; MEAN=-2.543E+03; 1/2PP= 0.000E+00

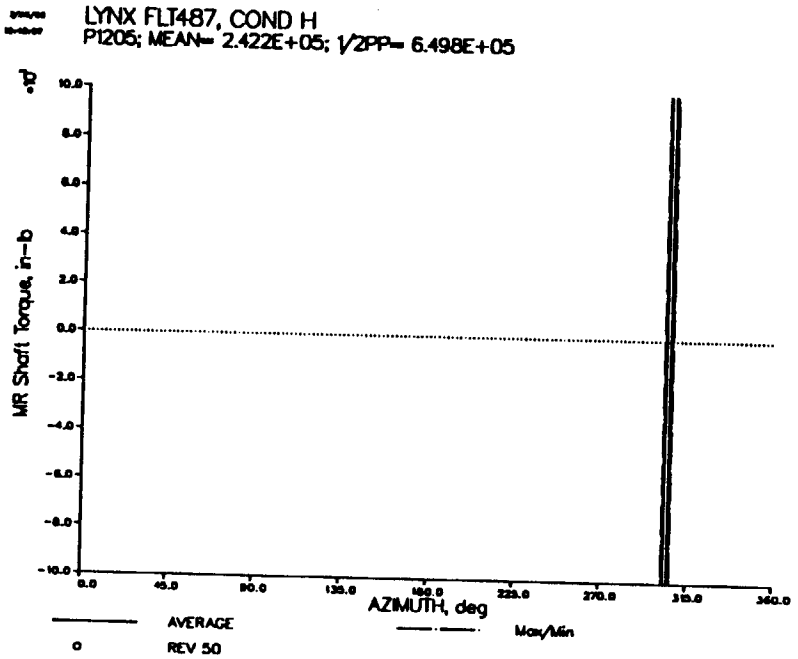


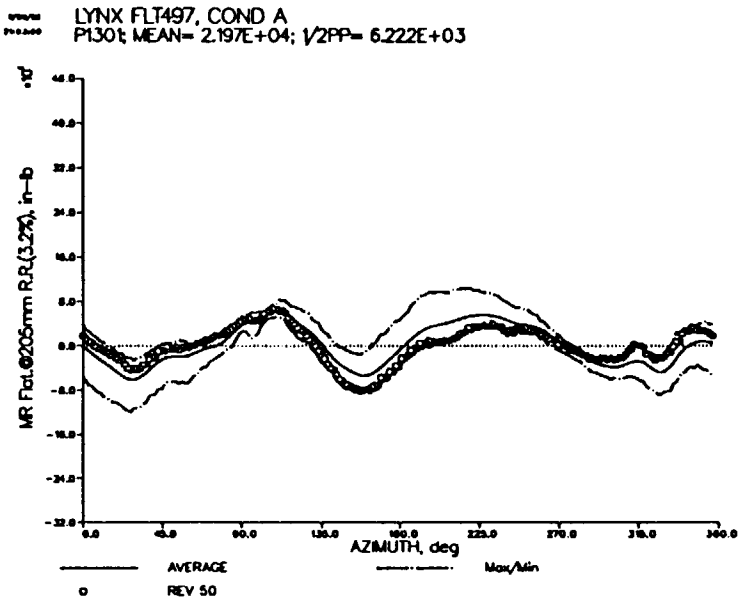
LYNX FLT487, COND H
P2905; MEAN=-2.110E+01; 1/2PP= 8.493E+01

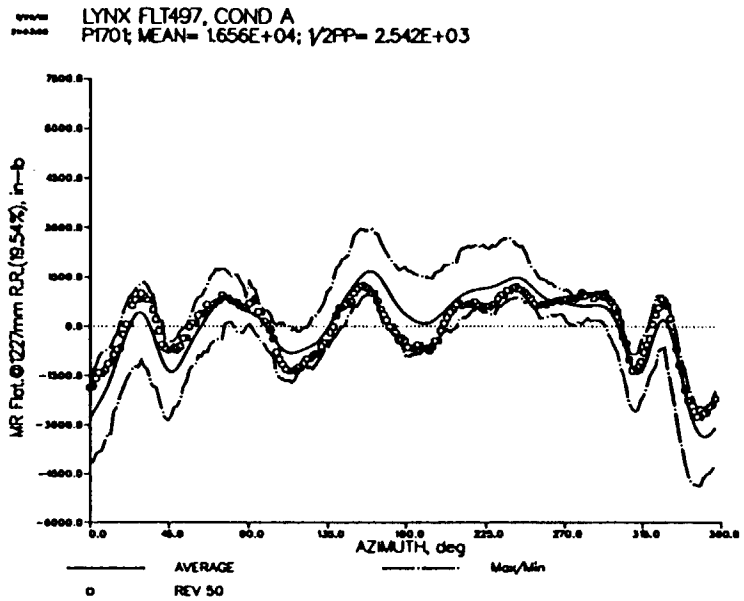


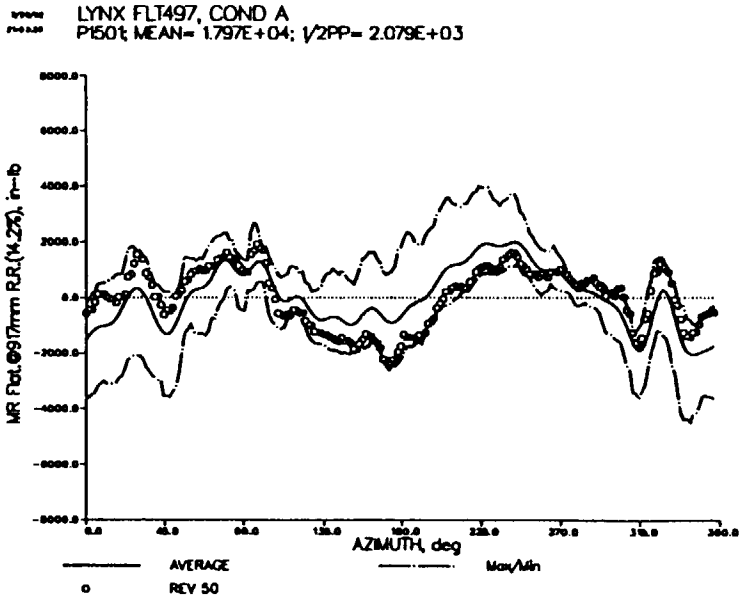
LYNX FLT487, COND H
P3005; MEAN= 1.805E+01; 1/2PP= 7.684E+00

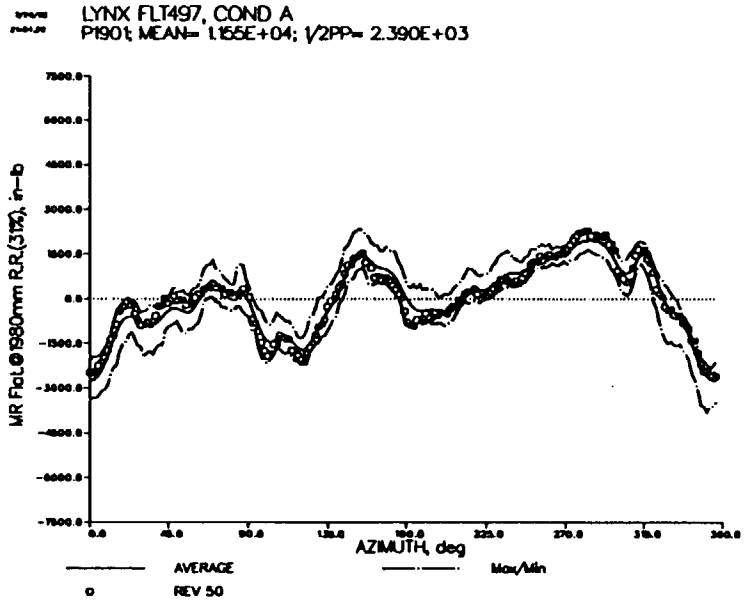


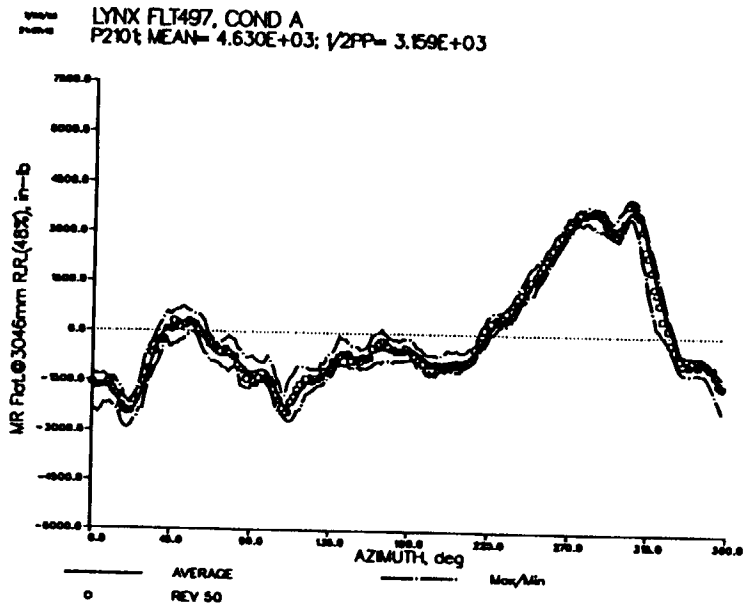

LYNX FLT487, COND H
P1205; MEAN= 2.422E+05; 1/2PP= 6.498E+05
MR Shaft Torque, in-lb
10.0
8.0
6.0
4.0
2.0
0.0
-2.0
-4.0
-6.0
-8.0
-10.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

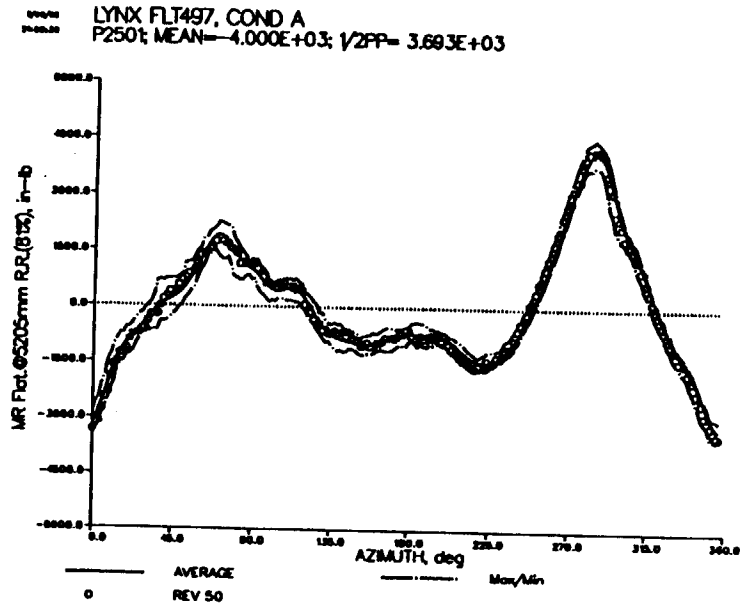

LYNX FLT497, COND A
P130t; MEAN= 2.197E+04; √2PP= 6.222E+03
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

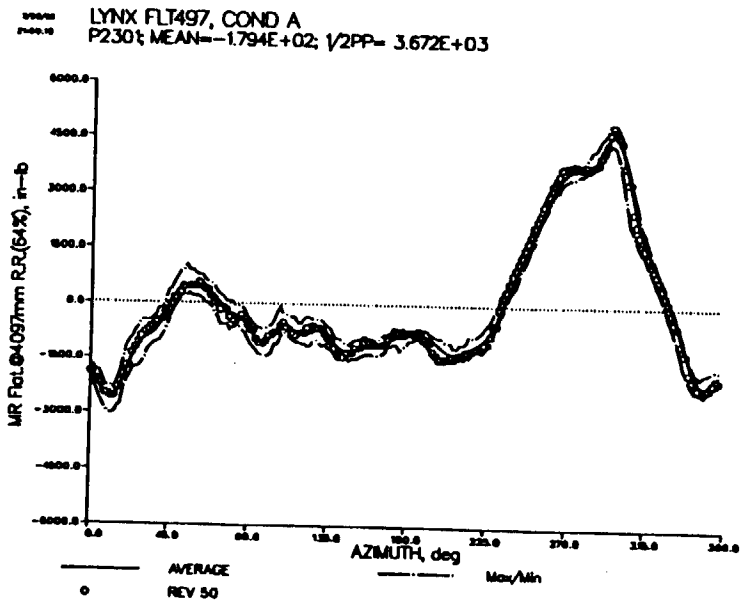

LYNX FLT497, COND A
P170t; MEAN= 1.656E+04; √2PP= 2.542E+03
MR Flat.@227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

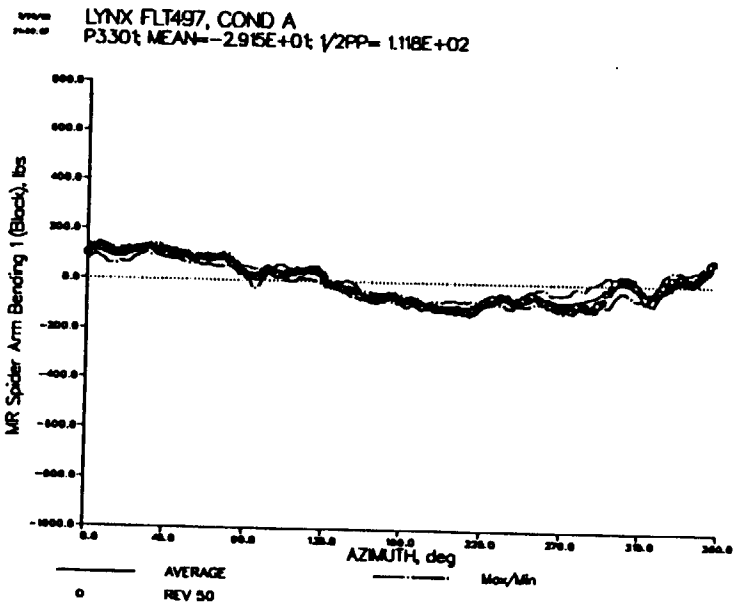

LYNX FLT497, COND A
P150t; MEAN= 1.797E+04; √2PP= 2.079E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

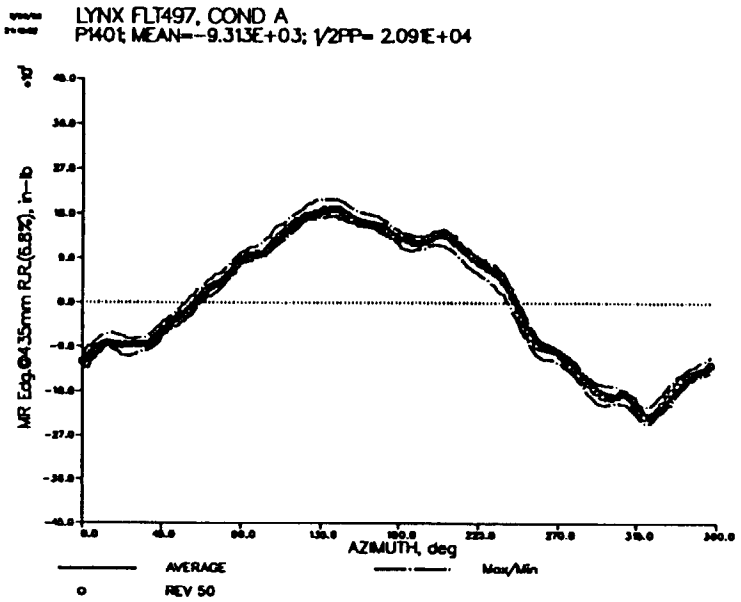

LYNX FLT497, COND A
P190t; MEAN= 1.155E+04; √2PP= 2.390E+03
MR Flat.@980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

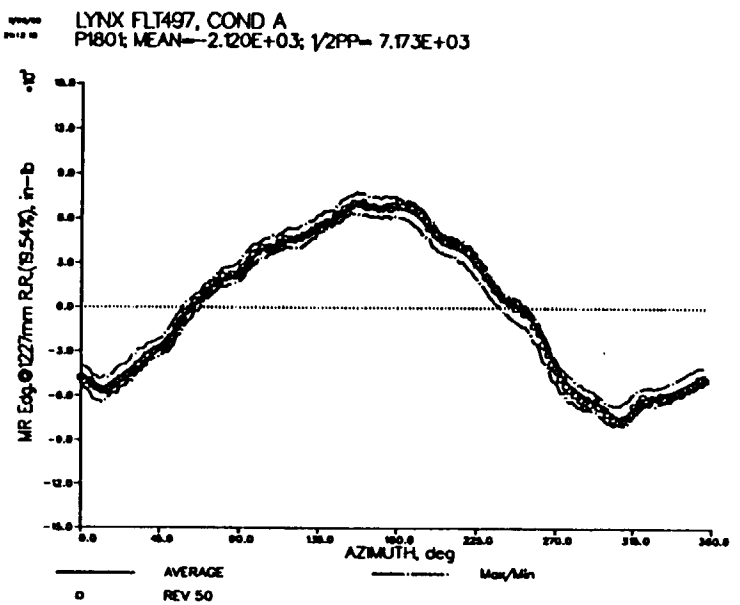

LYNX FLT497, COND A
P210t; MEAN= 4.630E+03; 1/2PP= 3.159E+03
MR Flat.@3046mm RJR(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

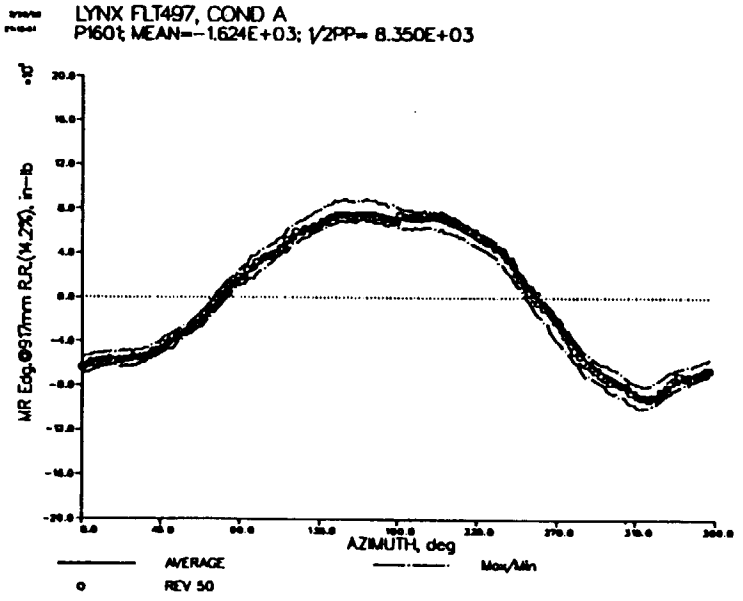

LYNX FLT497, COND A
P250t; MEAN=-4.000E+03; 1/2PP= 3.693E+03
MR Flat.@5205mm RJR(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

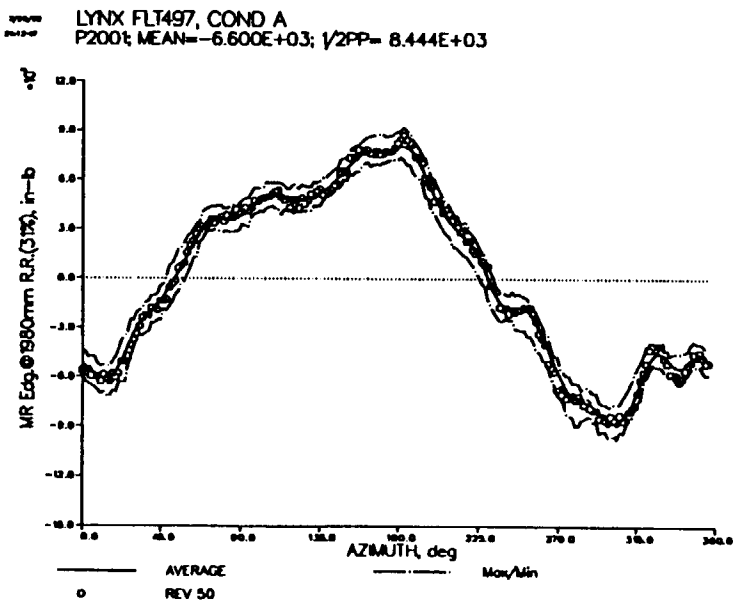

LYNX FLT497, COND A
P230t; MEAN=-1.794E+02; 1/2PP= 3.672E+03
MR Flat.@4097mm RJR(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

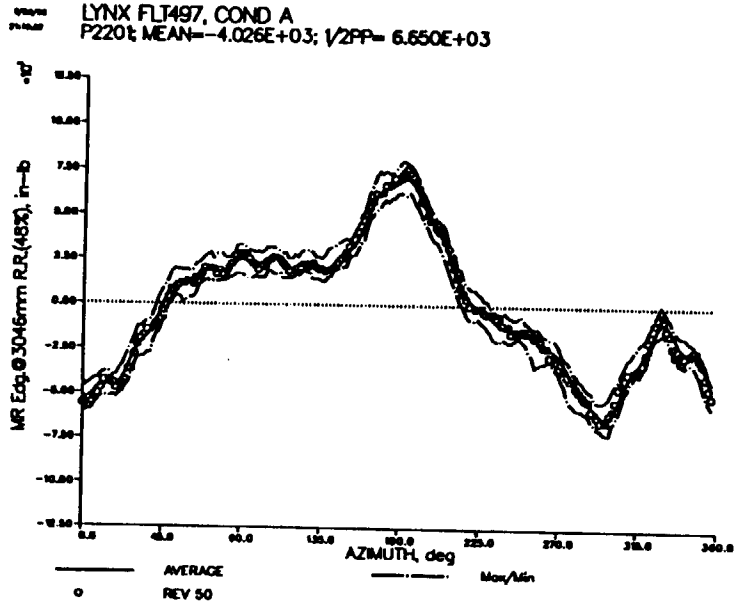

LYNX FLT497, COND A
P330t; MEAN=-2.915E+01; 1/2PP= 1.118E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

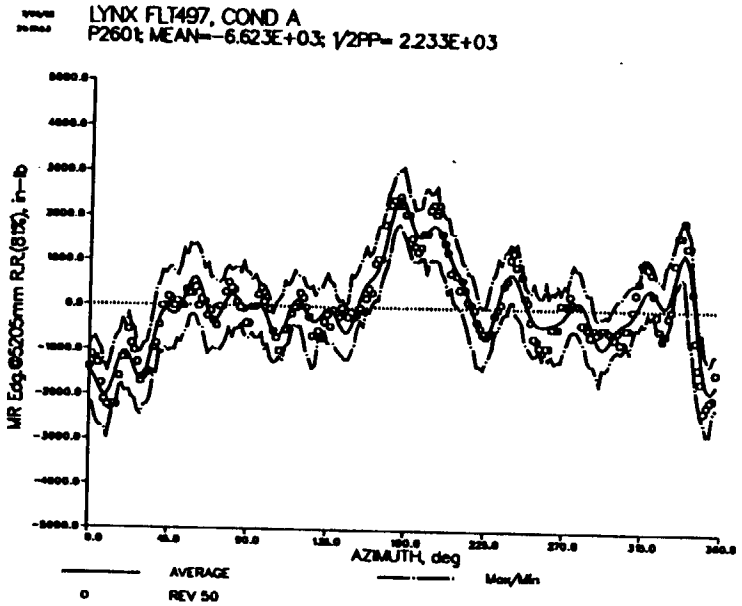

LYNX FLT497, COND A
P140t; MEAN=-9.313E+03; 1/2PP= 2.091E+04
MR Edg,@435mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

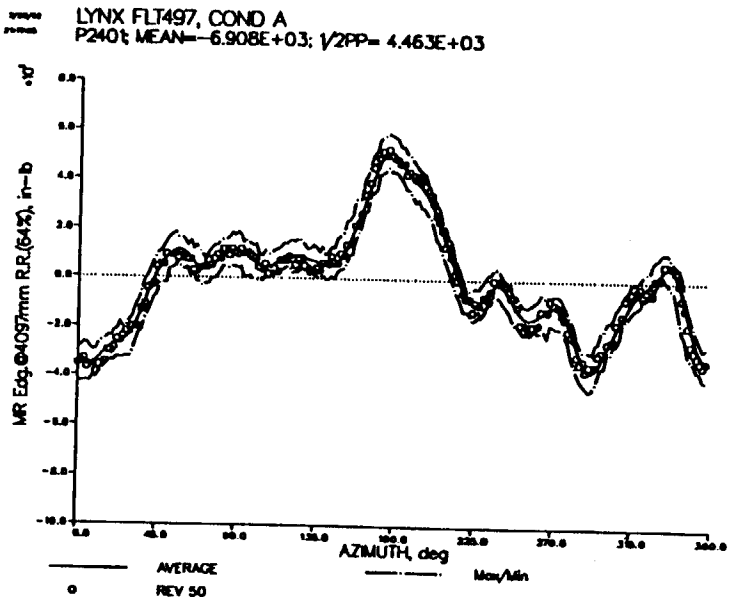

LYNX FLT497, COND A
P180t; MEAN=-2.120E+03; 1/2PP= 7.173E+03
MR Edg,@1227mm R.R.(19.5%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

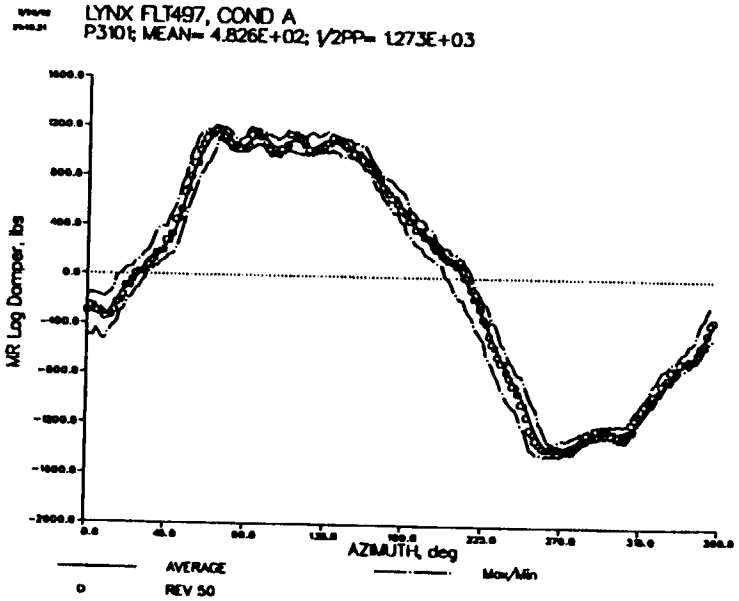

LYNX FLT497, COND A
P160t; MEAN=-1.624E+03; 1/2PP= 8.350E+03
MR Edg,@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND A
P200t; MEAN=-6.600E+03; 1/2PP= 8.444E+03
MR Edg,@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

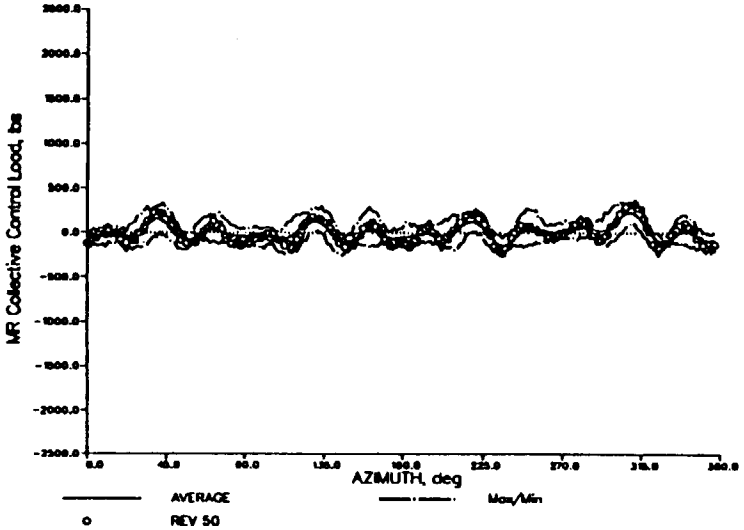

LYNX FLT497, COND A
P220t; MEAN=-4.026E+03; V2PP= 6.650E+03
MR Edg,@3046mm R,R,(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND A
P260t; MEAN=-6.623E+03; V2PP= 2.233E+03
MR Edg,@5205mm R,R,(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

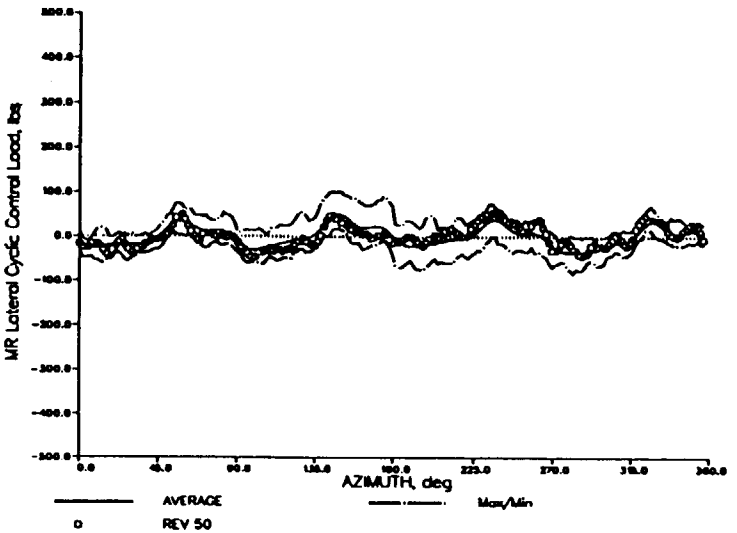

LYNX FLT497, COND A
P240t; MEAN=-6.908E+03; V2PP= 4.463E+03
MR Edg,@4097mm R,R,(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND A
P310t; MEAN= 4.826E+02; V2PP= 1.273E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

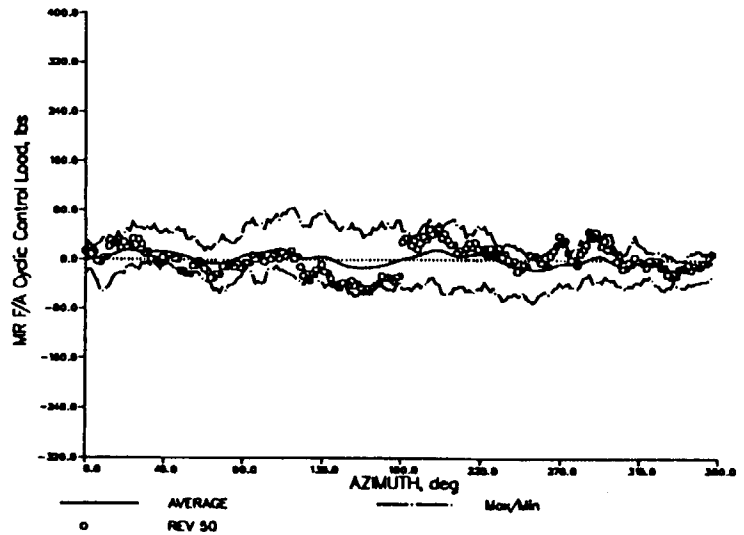
LYNX FLT497, COND A
P280t; MEAN=-9.350E+02; 1/2PP= 1.991E+02



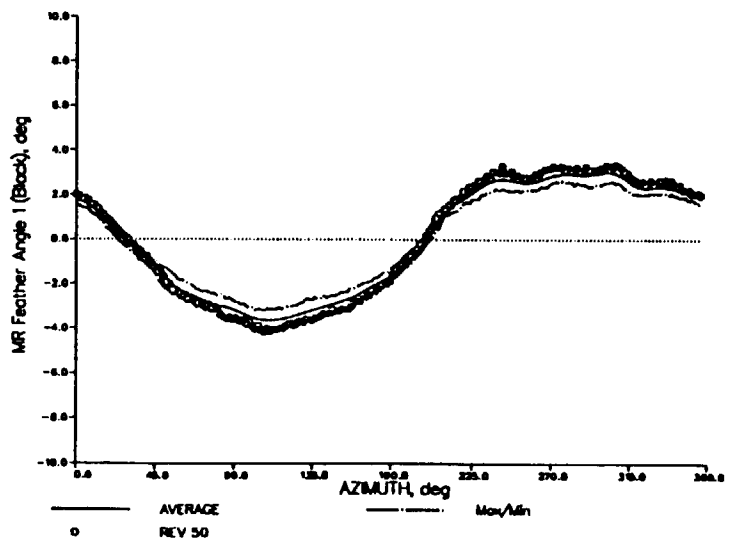
LYNX FLT497, COND A
P320t; MEAN=-1.176E+02; 1/2PP= 4.625E+01

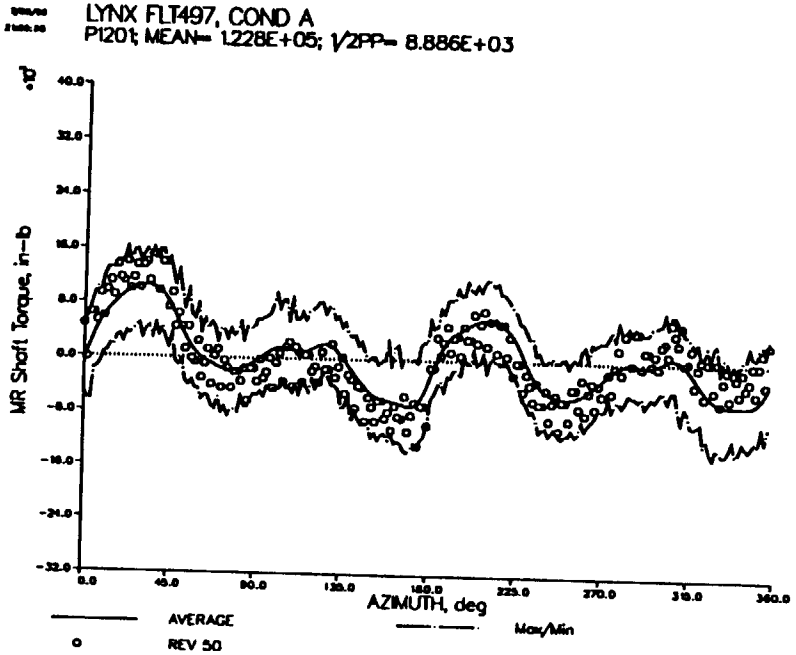


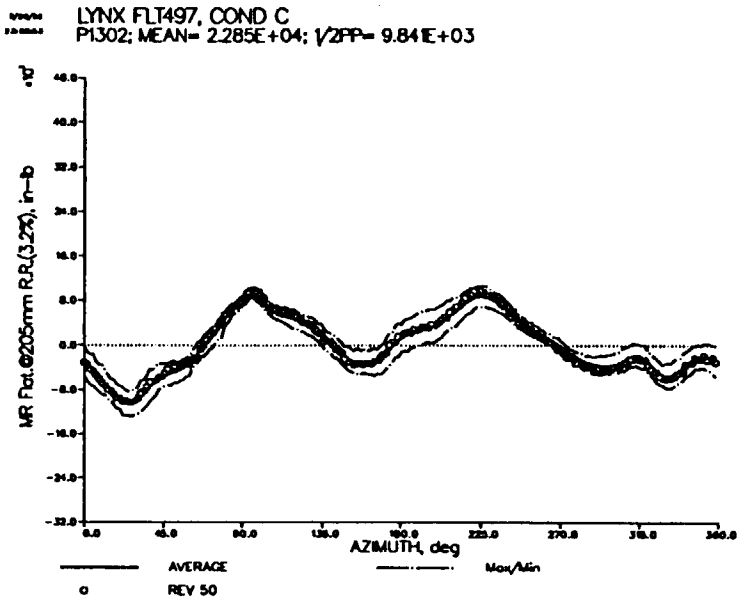
LYNX FLT497, COND A
P290t; MEAN= 2.940E+01; 1/2PP= 1.897E+01

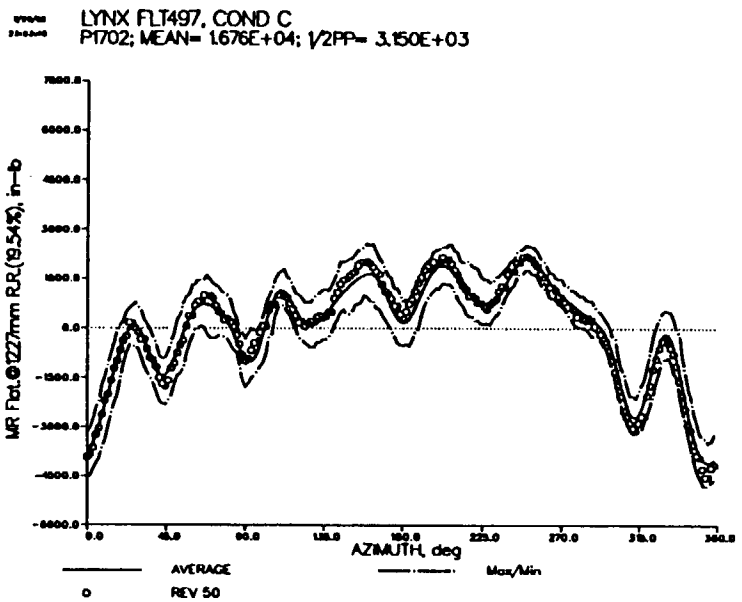


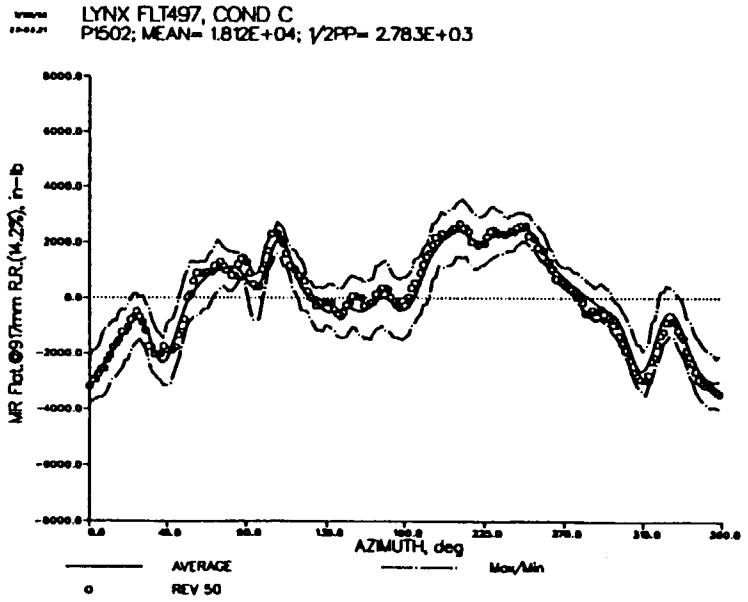
LYNX FLT497, COND A
P300t; MEAN= 1.273E+01; 1/2PP= 3.354E+00

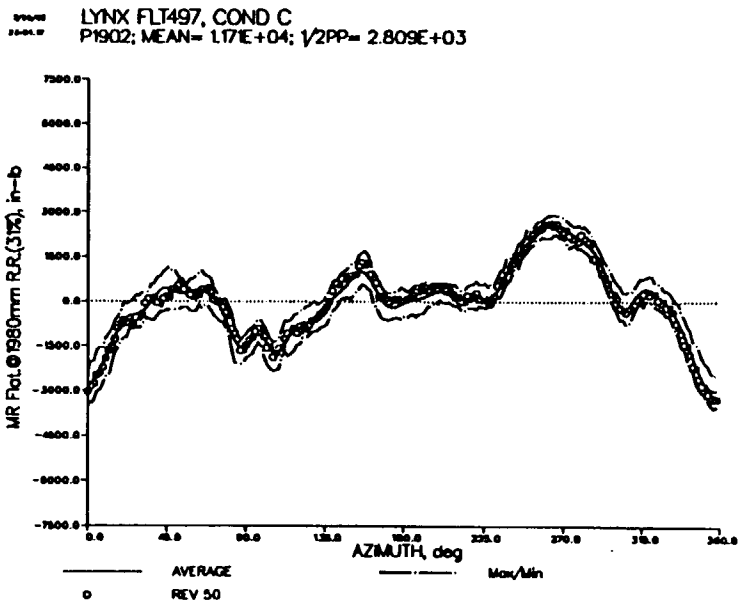


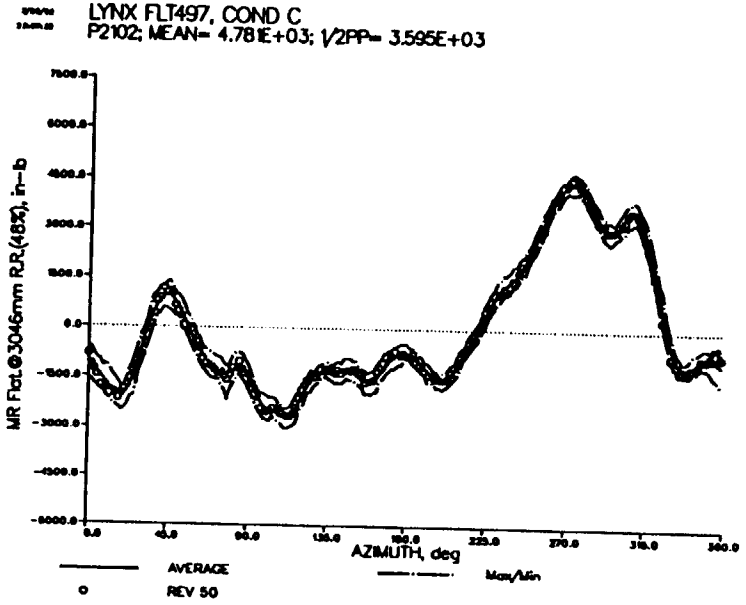

LYNX FLT497, COND A
P120; MEAN= 1.228E+05; √2PP= 8.886E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

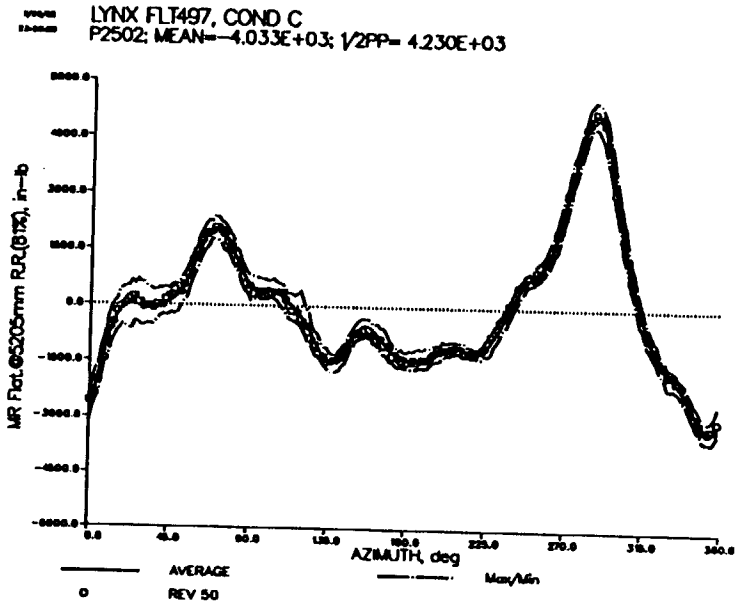

LYNX FLT497, COND C
P1302; MEAN= 2.285E+04; 1/2PP= 9.841E+03
MR Pot.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

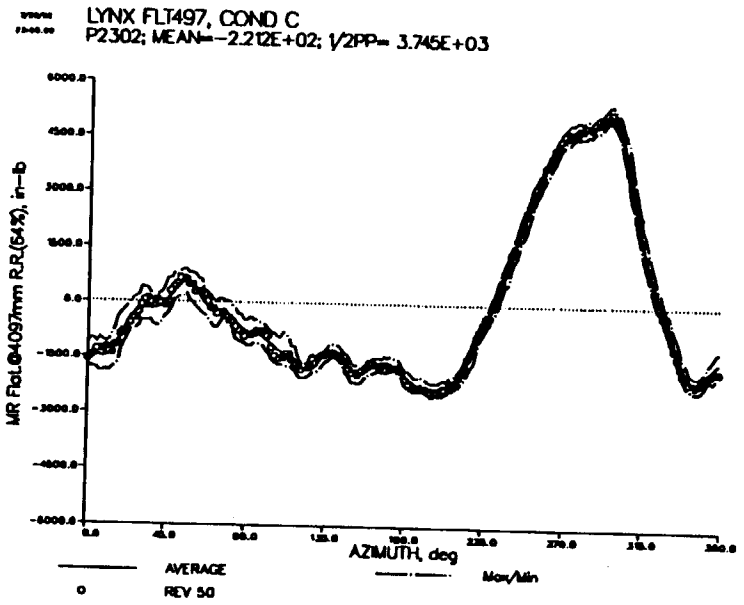

LYNX FLT497, COND C
P1702; MEAN= 1.676E+04; 1/2PP= 3.150E+03
MR Pot.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

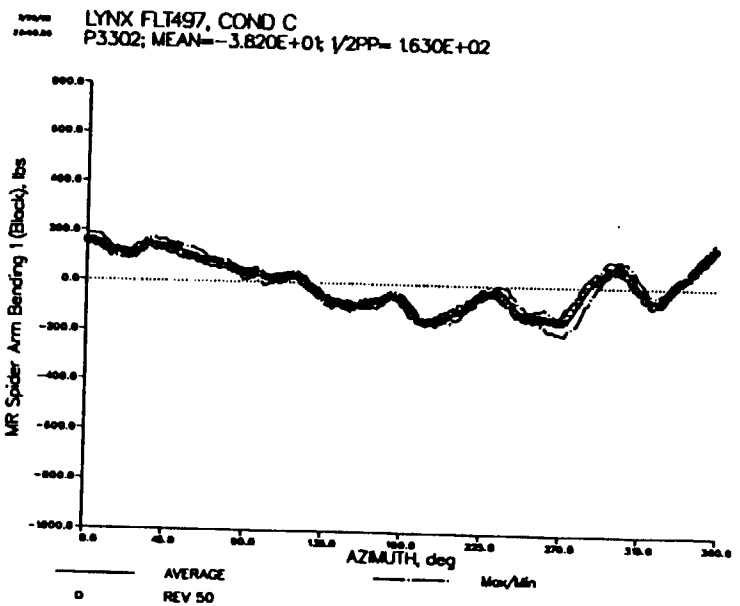

LYNX FLT497, COND C
P1502; MEAN= 1.812E+04; 1/2PP= 2.783E+03
MR Pot.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

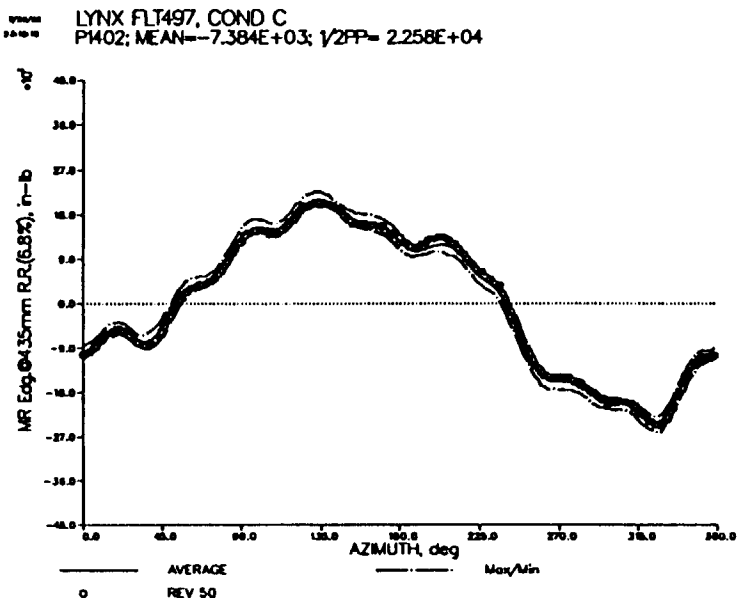

LYNX FLT497, COND C
P1902; MEAN= 1.171E+04; 1/2PP= 2.809E+03
MR Pot.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

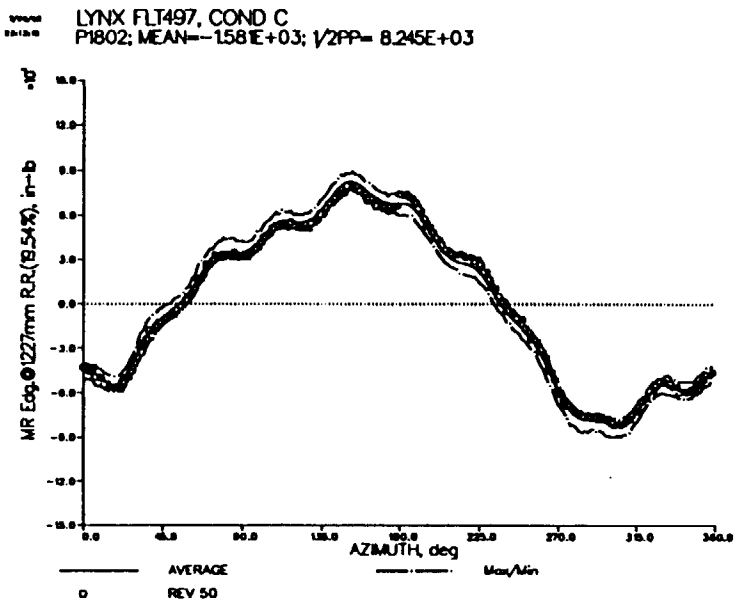

LYNX FLT497, COND C
P2102; MEAN= 4.781E+03; 1/2PP= 3.595E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

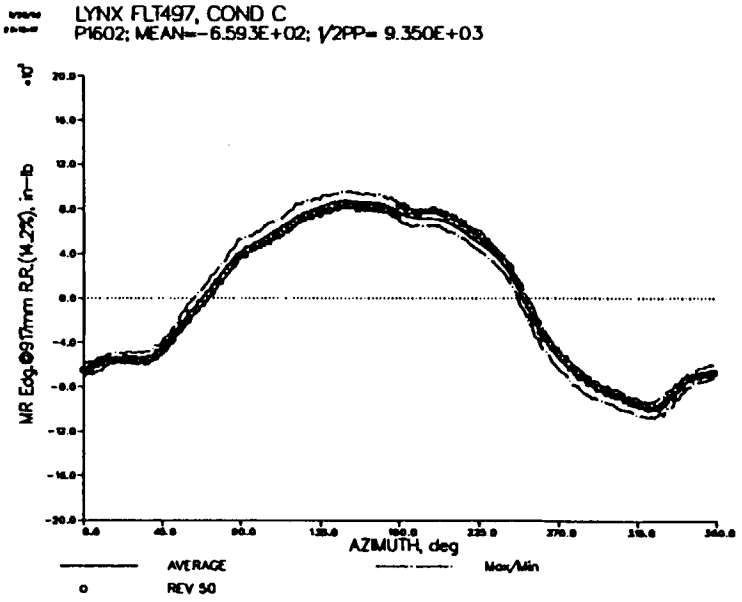

LYNX FLT497, COND C
P2502; MEAN=-4.033E+03; 1/2PP= 4.230E+03
MR Flat.@5203mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

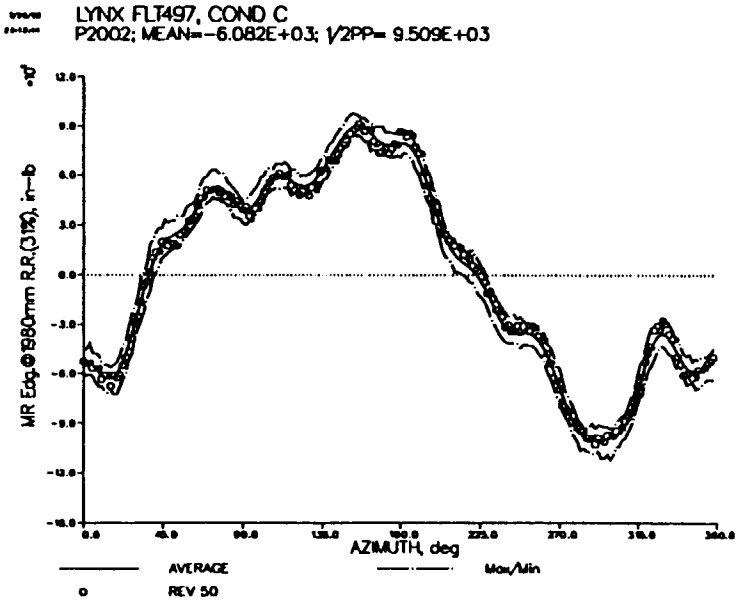

LYNX FLT497, COND C
P2302; MEAN=-2.212E+02; 1/2PP= 3.745E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

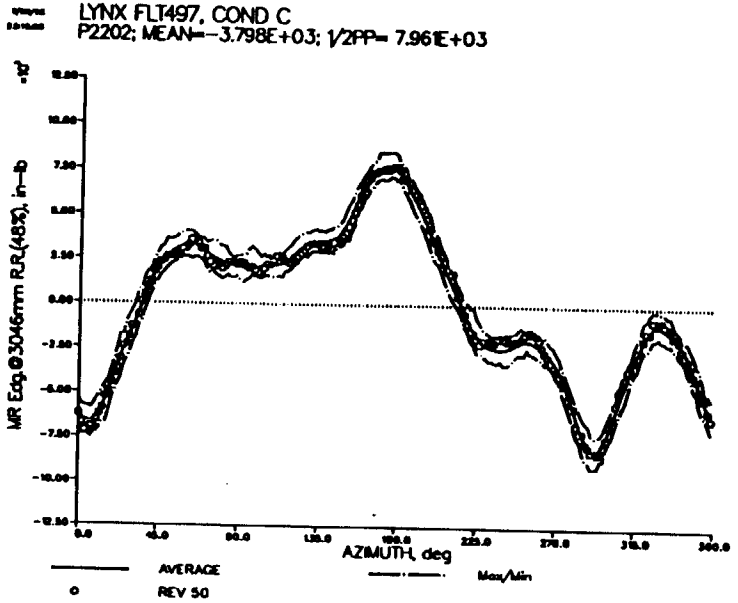

LYNX FLT497, COND C
P3302; MEAN=-3.820E+01; 1/2PP= 1.630E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

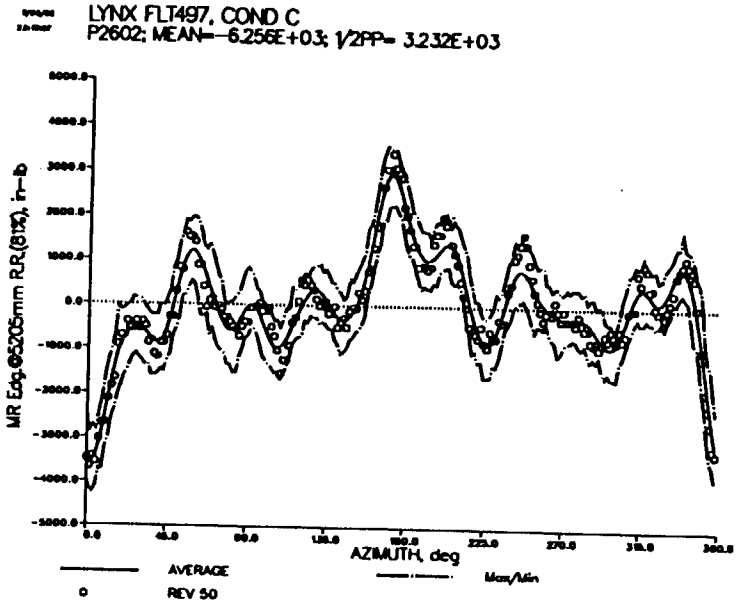

LYNX FLT497, COND C
P1402; MEAN=-7.384E+03; 1/2PP= 2.258E+04
MR Edg.@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

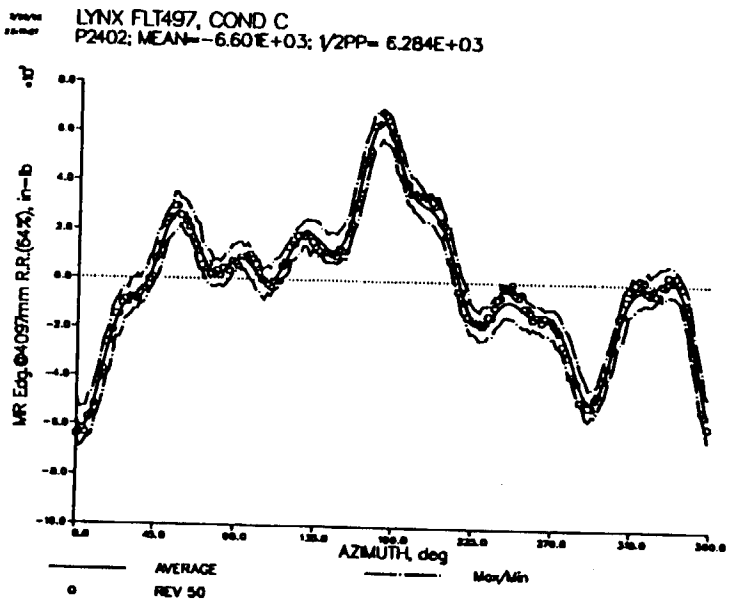

LYNX FLT497, COND C
P1802; MEAN=-1.581E+03; 1/2PP= 8.245E+03
MR Edg.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

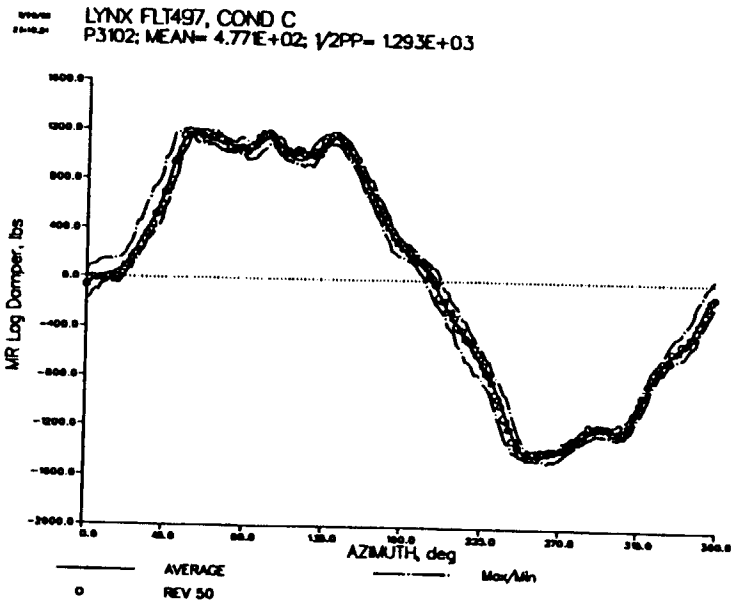

LYNX FLT497, COND C
P1602; MEAN=-6.593E+02; 1/2PP= 9.350E+03
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND C
P2002; MEAN=-6.082E+03; 1/2PP= 9.509E+03
MR Edg.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

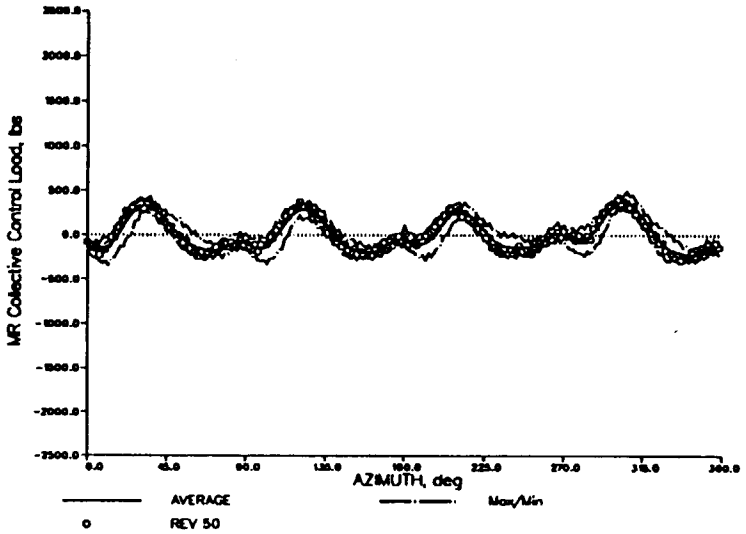

LYNX FLT497, COND C
P2202; MEAN=-3.798E+03; 1/2PP= 7.961E+03
MR Edg @ 3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND C
P2602; MEAN=-6.256E+03; 1/2PP= 3.232E+03
MR Edg @ 5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

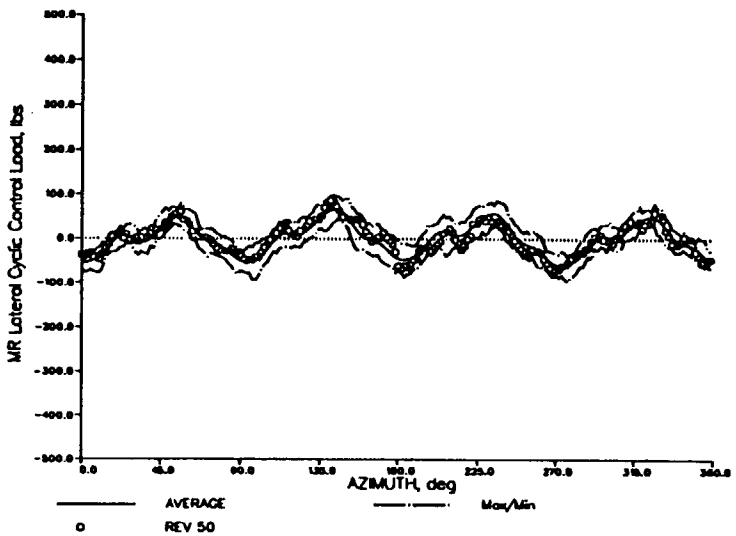

LYNX FLT497, COND C
P2402; MEAN=-6.601E+03; 1/2PP= 6.284E+03
MR Edg @ 4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND C
P3102; MEAN= 4.771E+02; 1/2PP= 1.293E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

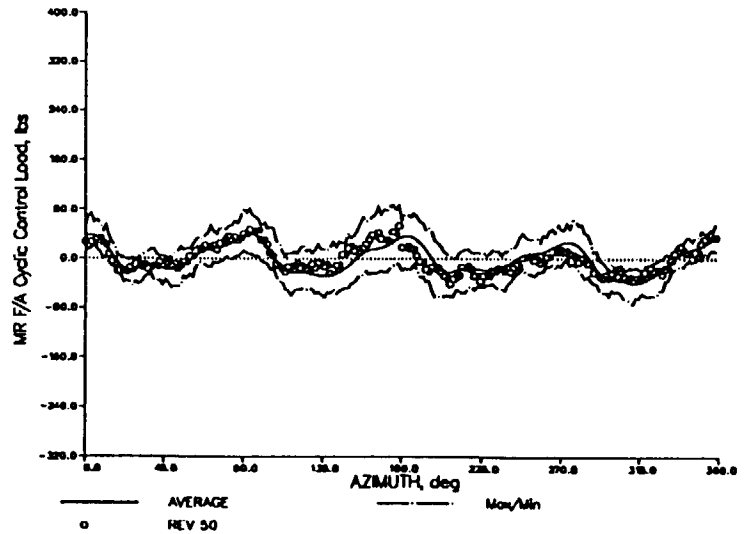
LYNX FLT497, COND C
P2802; MEAN=-1.036E+03; 1/2PP= 3.146E+02



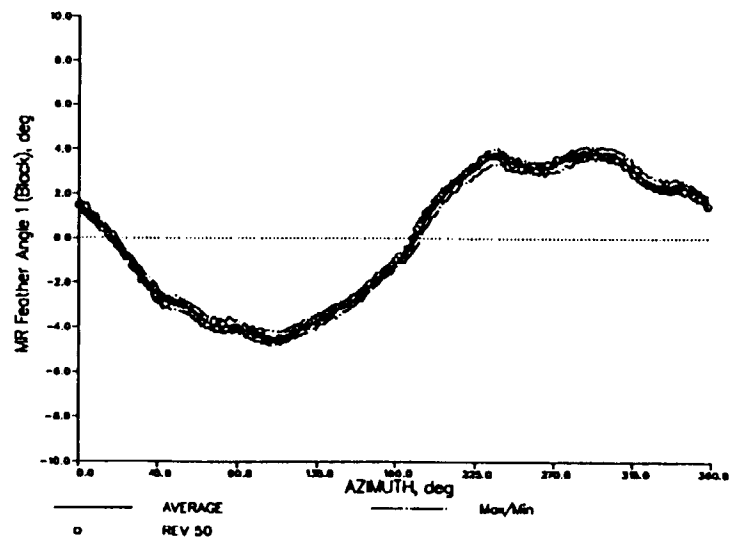
LYNX FLT497, COND C
P3202; MEAN=-1.456E+02; 1/2PP= 6.526E+01

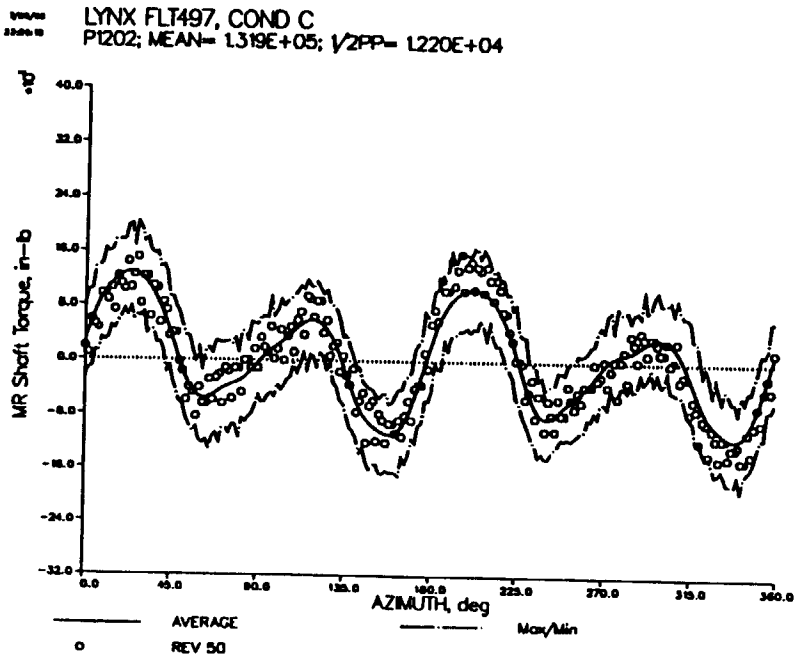


LYNX FLT497, COND C
P2902; MEAN= 2.525E+01; 1/2PP= 4.121E+01

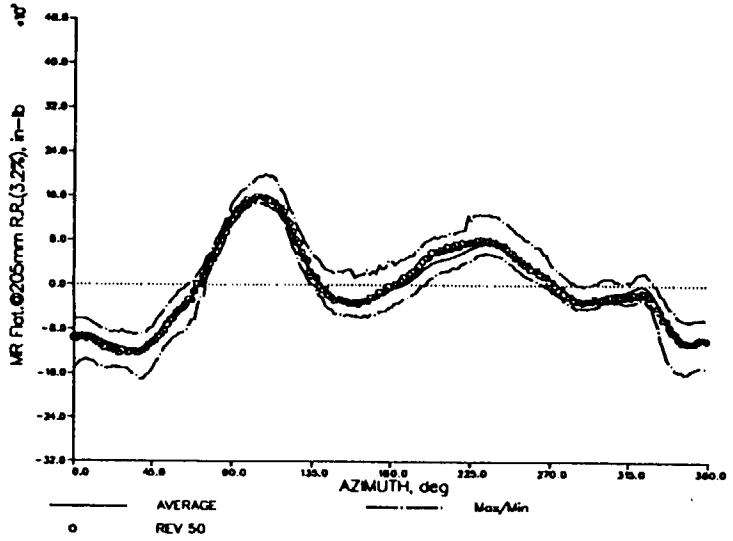


LYNX FLT497, COND C
P3002; MEAN= 1.358E+01; 1/2PP= 4.195E+00

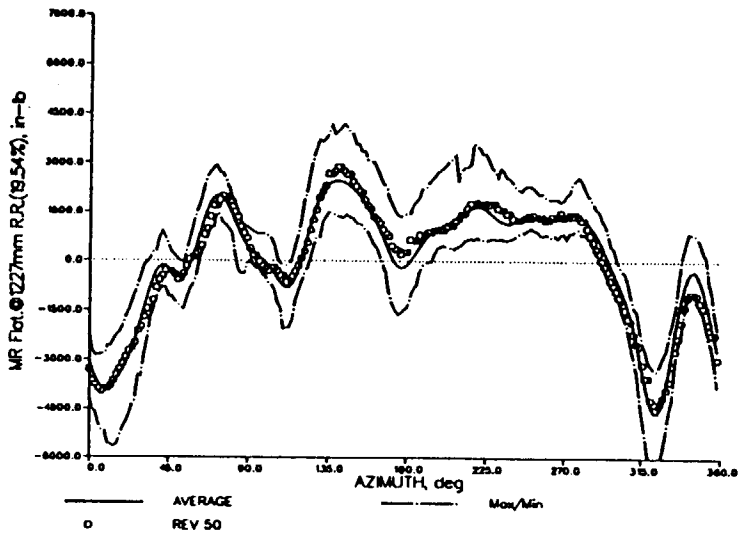



LYNX FLT497, COND C
P1202; MEAN= 1.319E+05; 1/2PP= 1.220E+04
MR Shaft Torque, in-lb
40.0
32.0
24.0
16.0
8.0
0.0
-8.0
-16.0
-24.0
-32.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

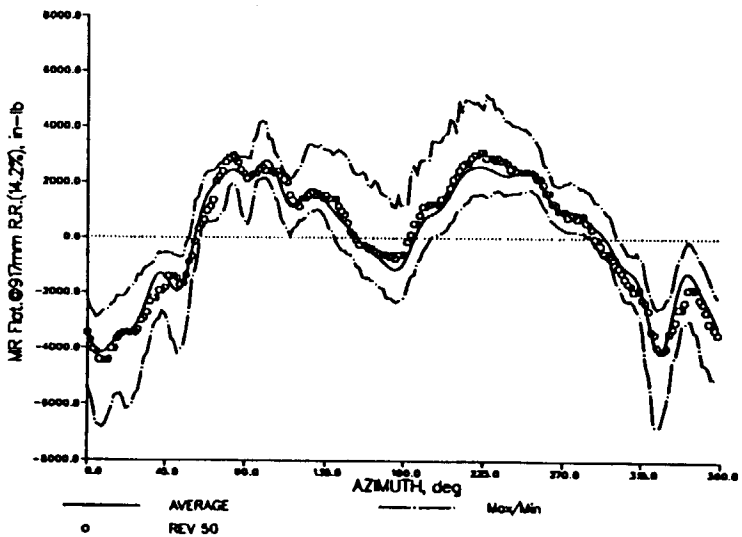
LYNX FLT497, COND E
P1303; MEAN= 2.228E+04; 1/2PP= 1.398E+04



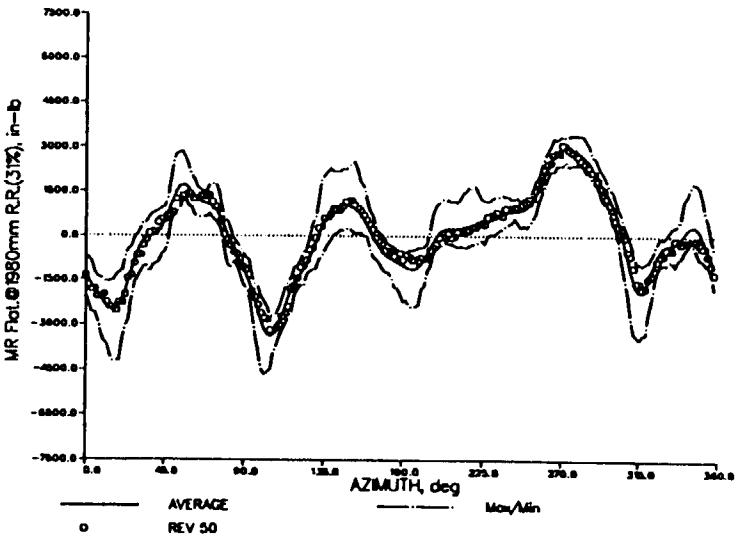
LYNX FLT497, COND E
P1703; MEAN= 1.668E+04; 1/2PP= 3.557E+03

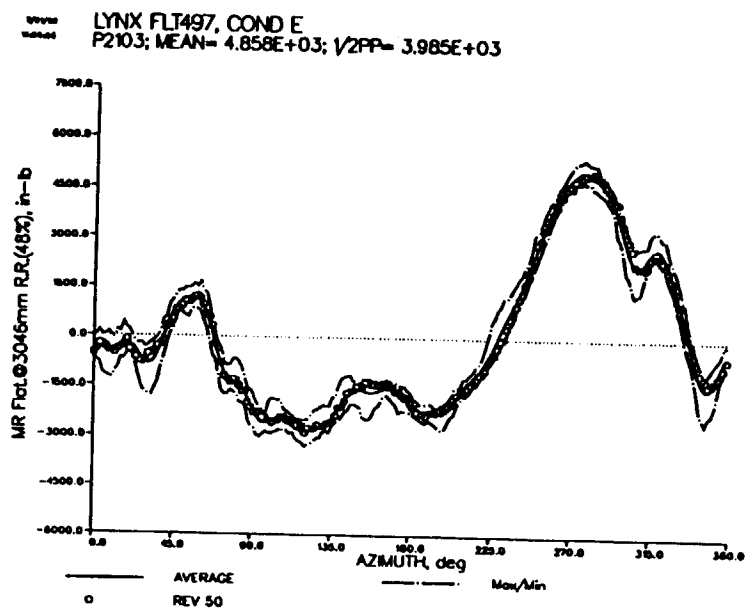


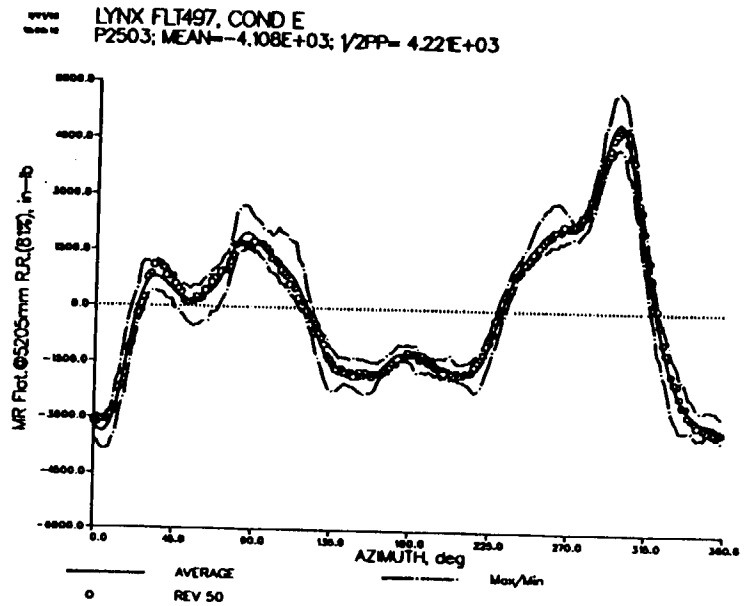
LYNX FLT497, COND E
P1503; MEAN= 1.757E+04; 1/2PP= 3.523E+03

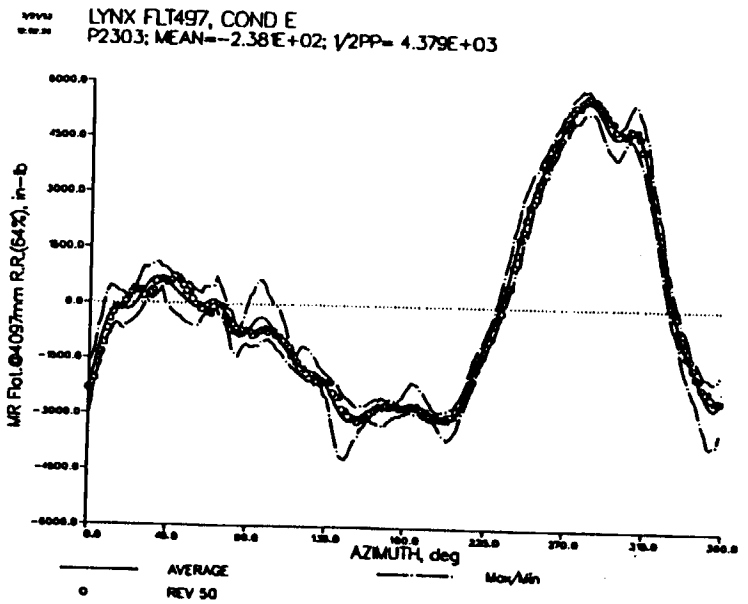


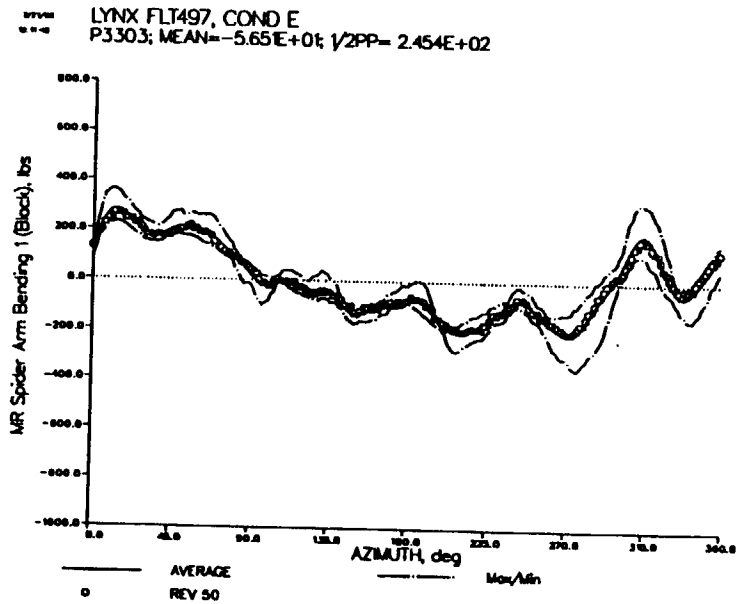
LYNX FLT497, COND E
P1903; MEAN= 1.190E+04; 1/2PP= 3.162E+03

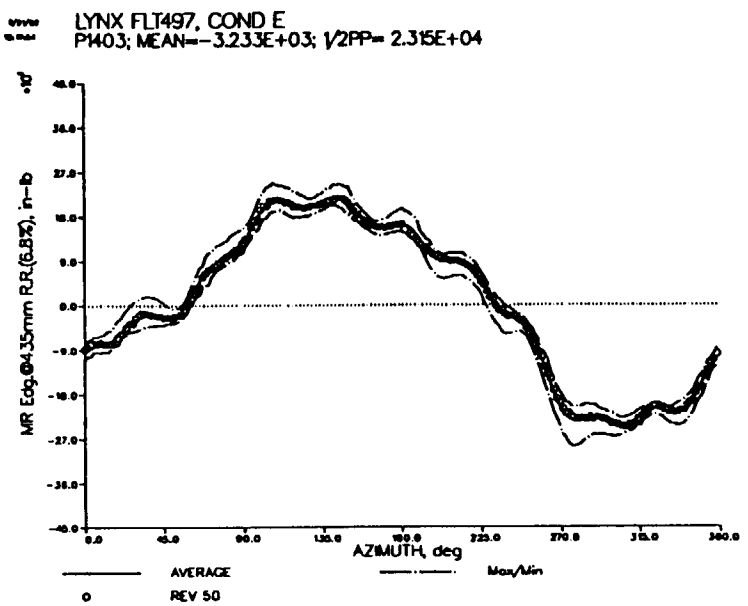


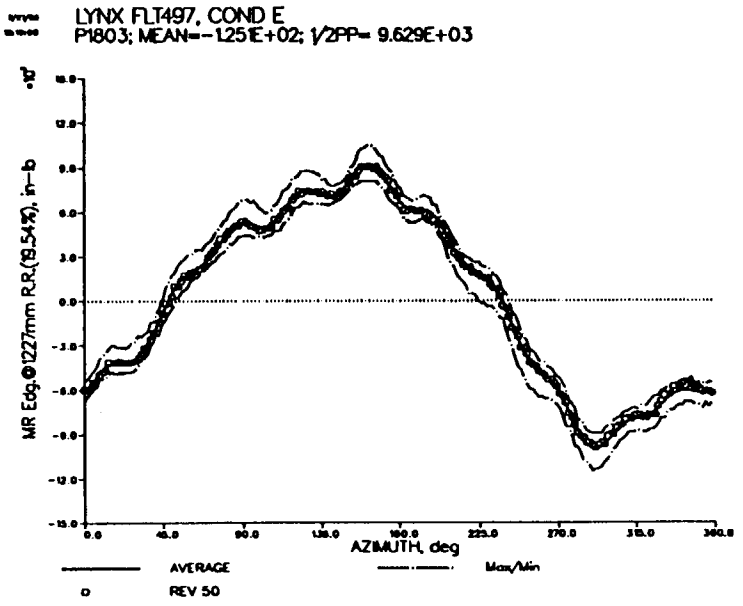

LYNX FLT497, COND E
P2103; MEAN= 4.858E+03; V2PP= 3.985E+03
MR Flat.@3046mm R,R,(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

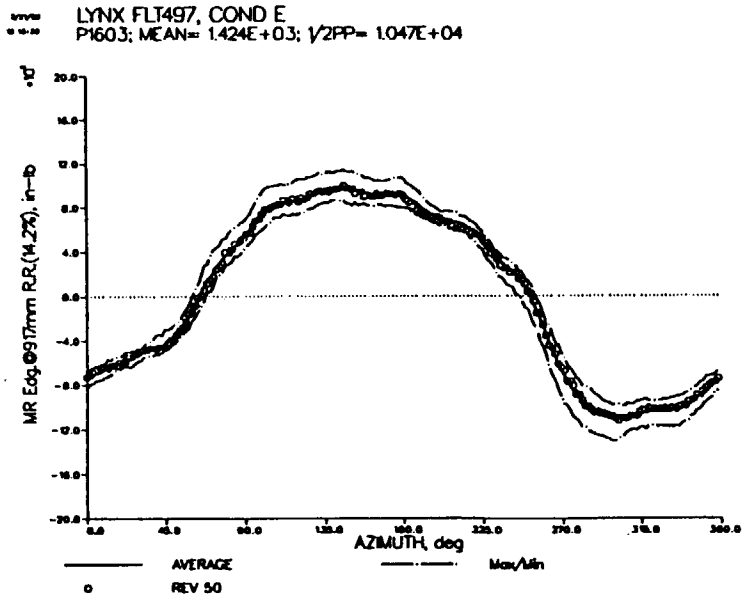

LYNX FLT497, COND E
P2503; MEAN=-4.108E+03; V2PP= 4.221E+03
MR Flat.@5205mm R,R,(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

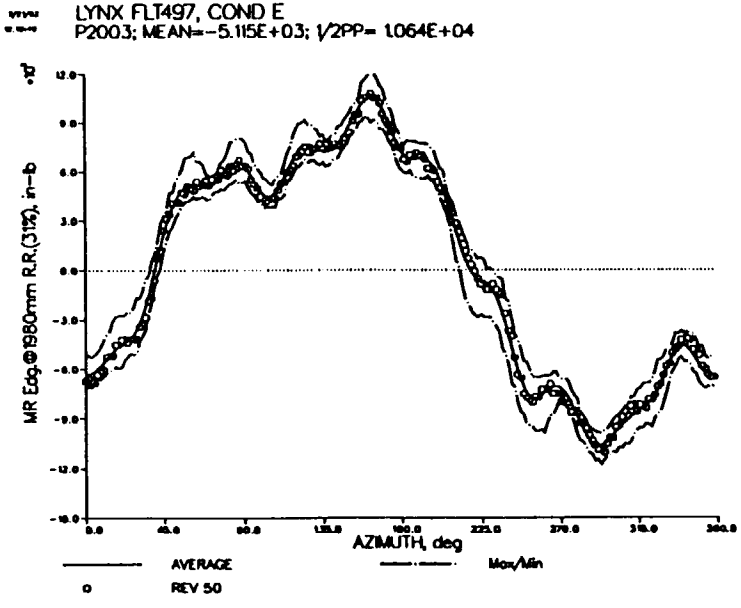

LYNX FLT497, COND E
P2303; MEAN=-2.381E+02; V2PP= 4.379E+03
MR Flat.@4097mm R,R,(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

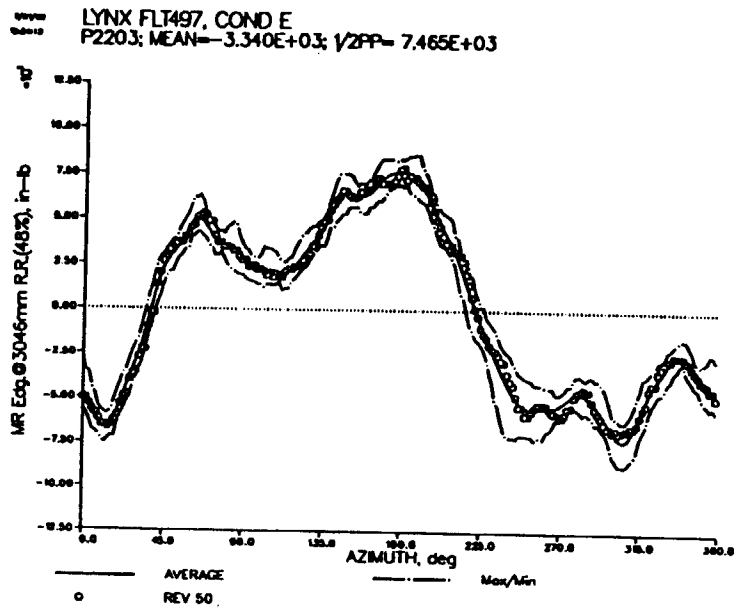

LYNX FLT497, COND E
P3303; MEAN=-5.651E+01; V2PP= 2.454E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

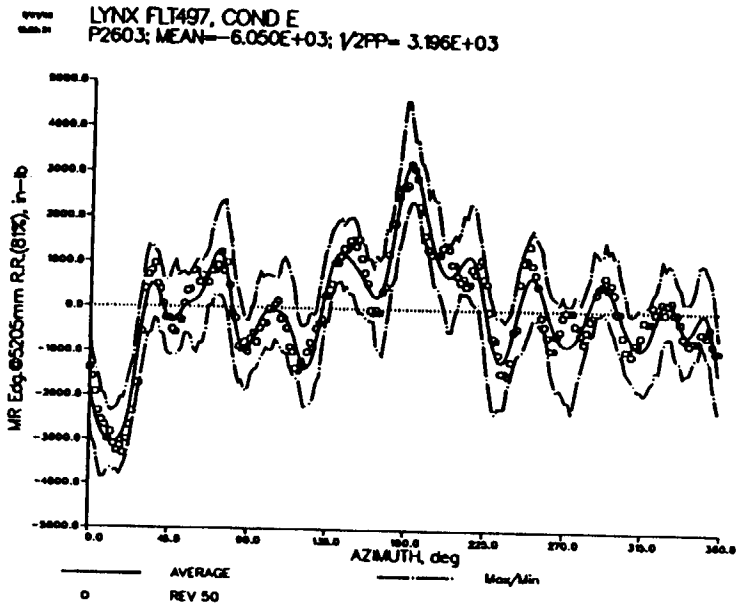

LYNX FLT497, COND E
P1403; MEAN=-3.233E+03; √2PP= 2.315E+04
MR Edg.@435mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

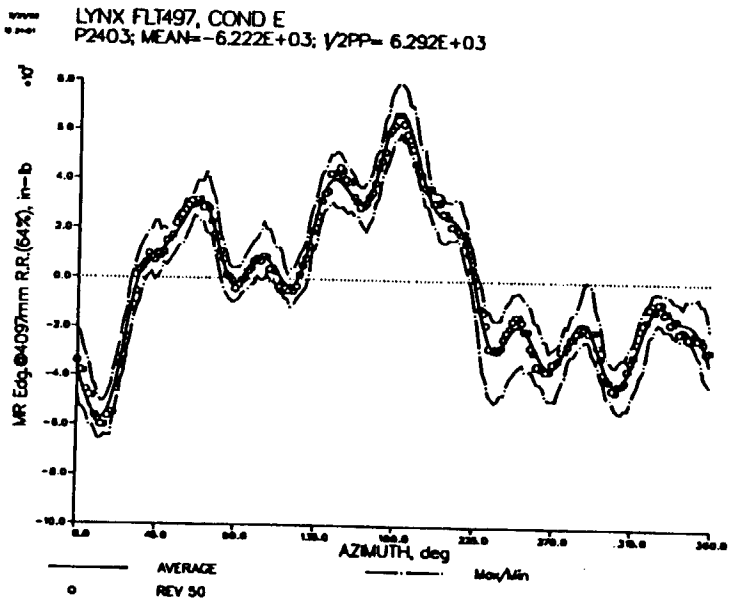

LYNX FLT497, COND E
P1803; MEAN=-1.251E+02; √2PP= 9.629E+03
MR Edg.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

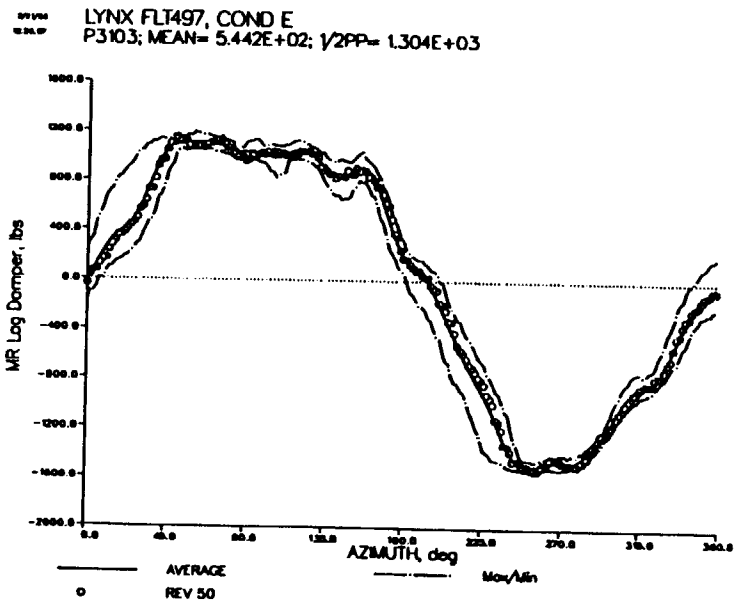

LYNX FLT497, COND E
P1603; MEAN= 1.424E+03; √2PP= 1.047E+04
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

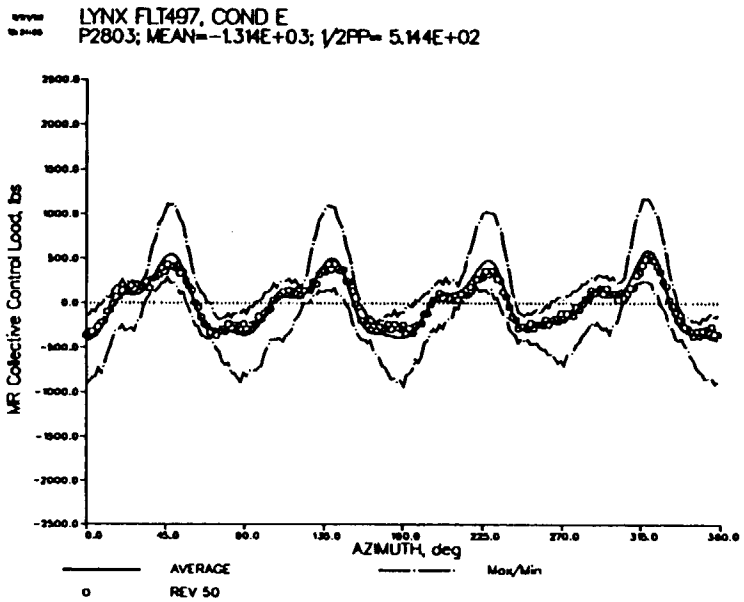

LYNX FLT497, COND E
P2003; MEAN=-5.115E+03; √2PP= 1.064E+04
MR Edg.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

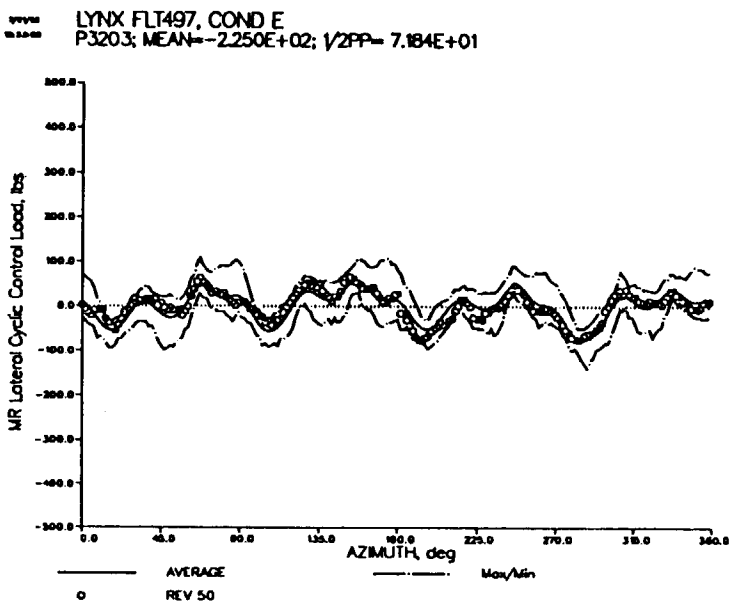

LYNX FLT497, COND E
P2203; MEAN=-3.340E+03; 1/2PP= 7.465E+03
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

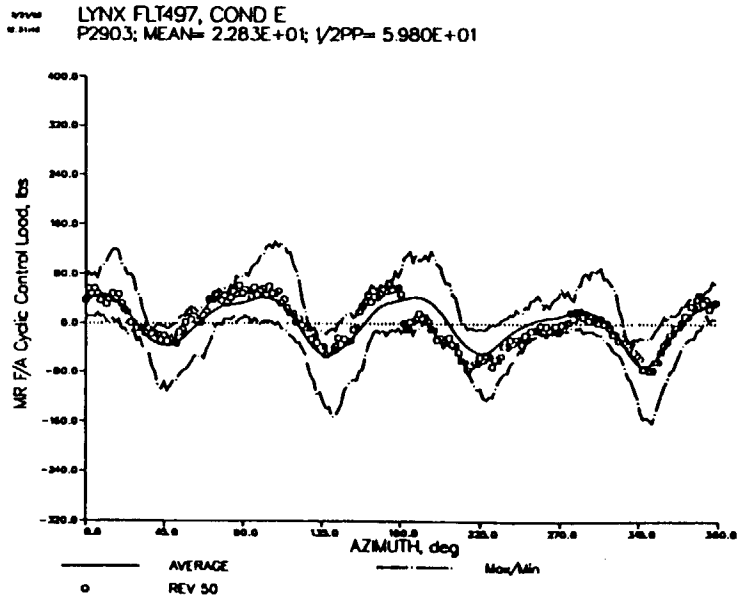

LYNX FLT497, COND E
P2603; MEAN=-6.050E+03; 1/2PP= 3.196E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

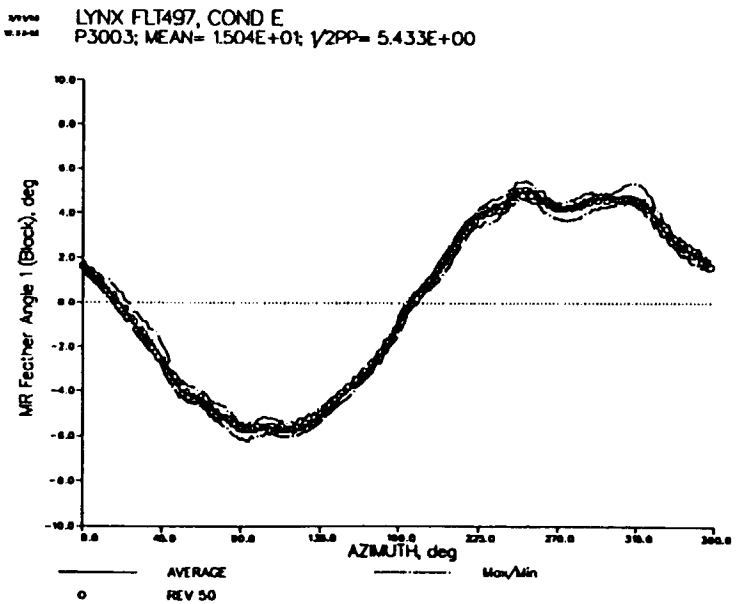

LYNX FLT497, COND E
P2403; MEAN=-6.222E+03; 1/2PP= 6.292E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

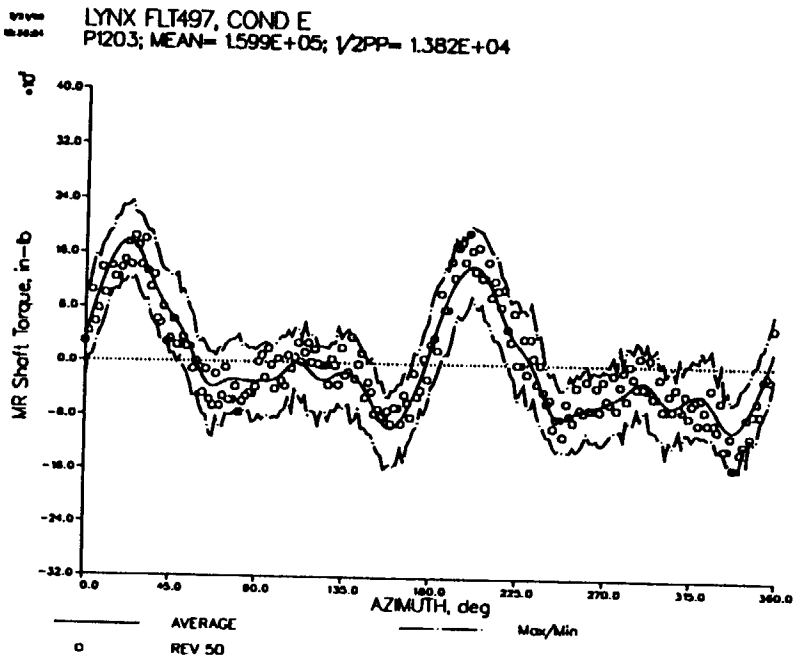

LYNX FLT497, COND E
P3103; MEAN= 5.442E+02; 1/2PP= 1.304E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

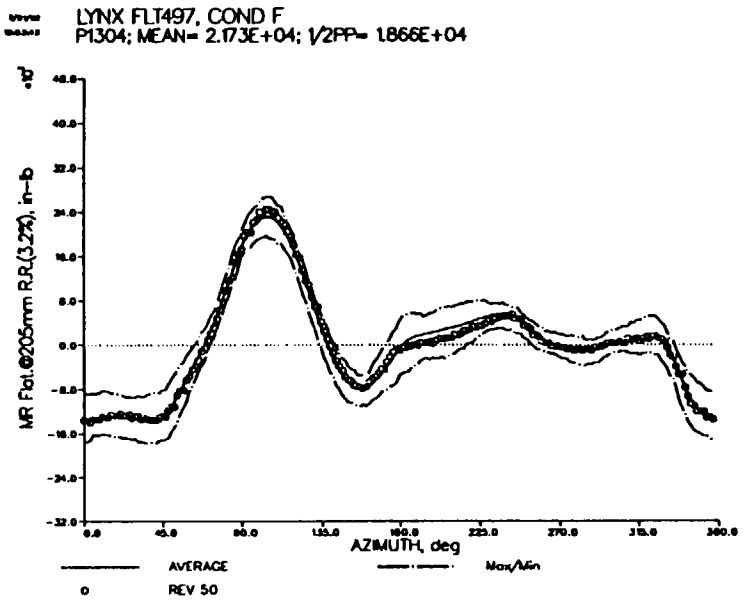

LYNX FLT497, COND E
P2803; MEAN=-1.314E+03; 1/2PP= 5.144E+02
MR Collective Control Load, lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

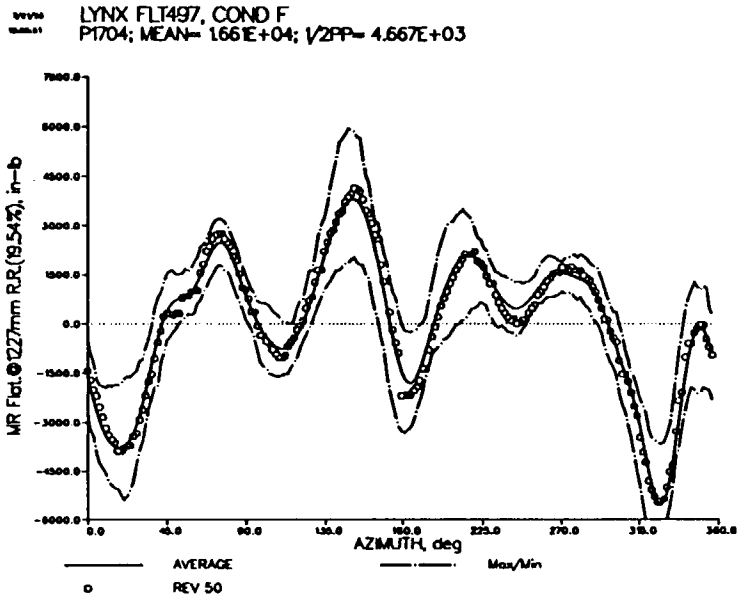

LYNX FLT497, COND E
P3203; MEAN=-2.250E+02; 1/2PP= 7.184E+01
MR Lateral Cyclic Control Load, lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

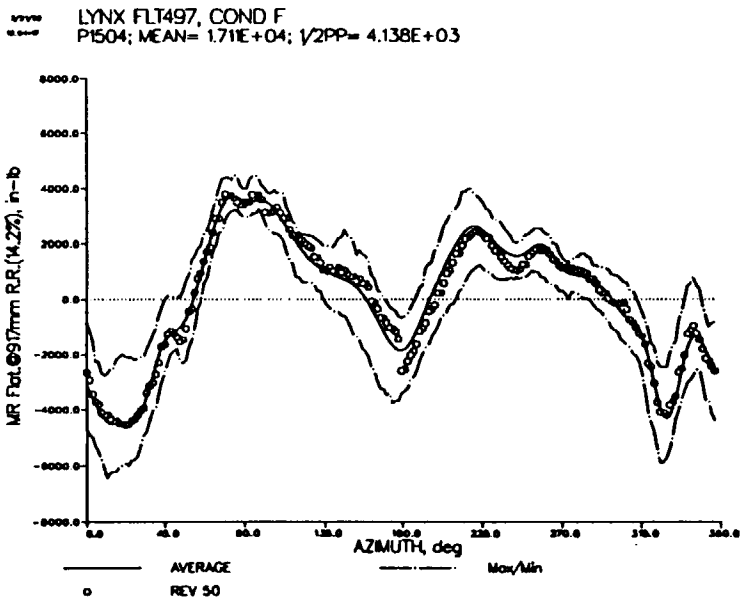

LYNX FLT497, COND E
P2903; MEAN= 2.283E+01; 1/2PP= 5.980E+01
MR F/A Cyclic Control Load, lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

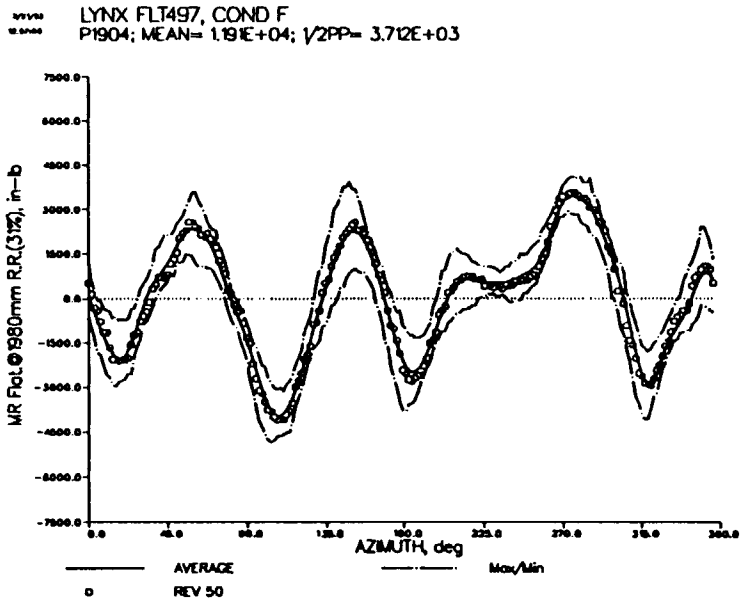

LYNX FLT497, COND E
P3003; MEAN= 1.504E+01; 1/2PP= 5.433E+00
MR Feather Angle 1 (Black), deg
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND E
P1203; MEAN= 1.599E+05; V2PP= 1.382E+04
MR Shaft Torque, in-lb
40.0
32.0
24.0
16.0
8.0
0.0
-8.0
-16.0
-24.0
-32.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

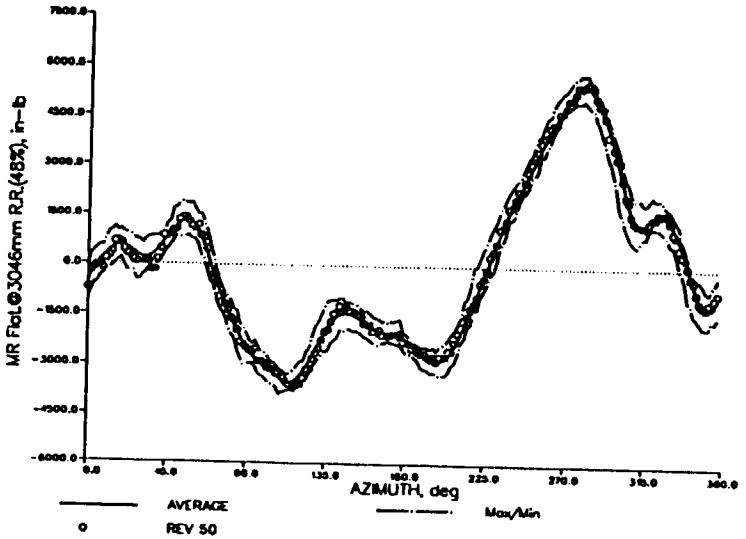

LYNX FLT497, COND F
P1304; MEAN= 2.173E+04; 1/2PP= 1.866E+04
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND F
P1704; MEAN= 1.661E+04; 1/2PP= 4.667E+03
MR Flat.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

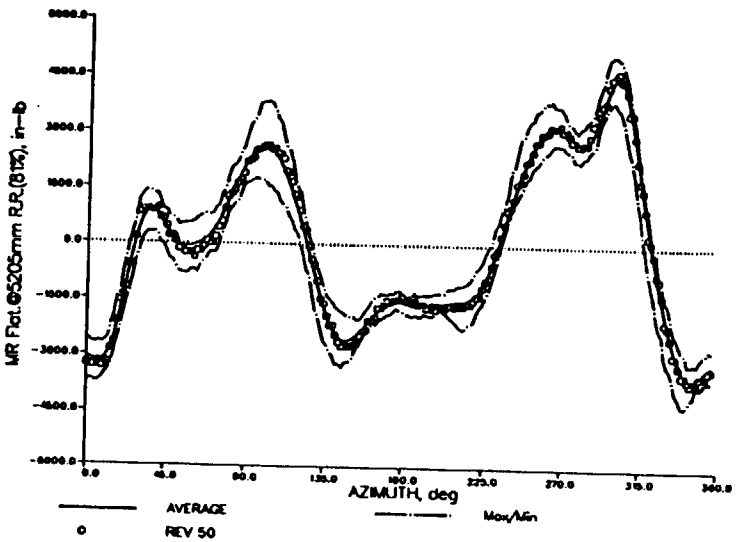

LYNX FLT497, COND F
P1504; MEAN= 1.711E+04; 1/2PP= 4.138E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND F
P1904; MEAN= 1.191E+04; 1/2PP= 3.712E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

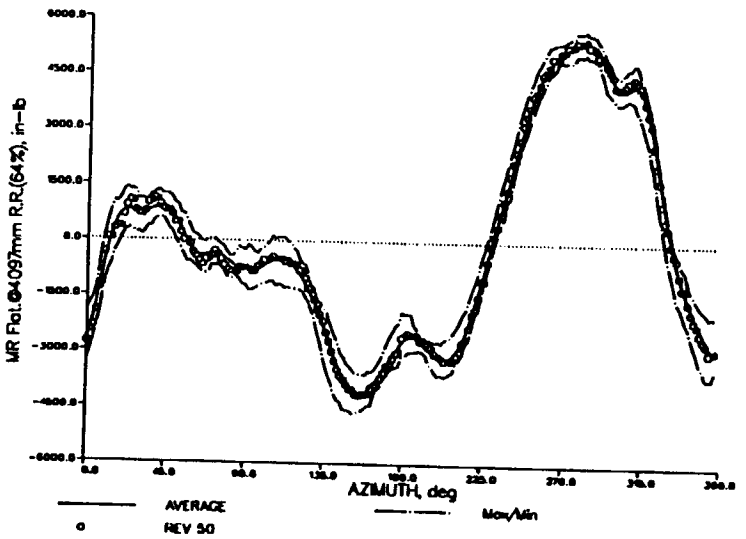
LYNX FLT497, COND F
P2104; MEAN= 4.887E+03; 1/2PP= 4.509E+03



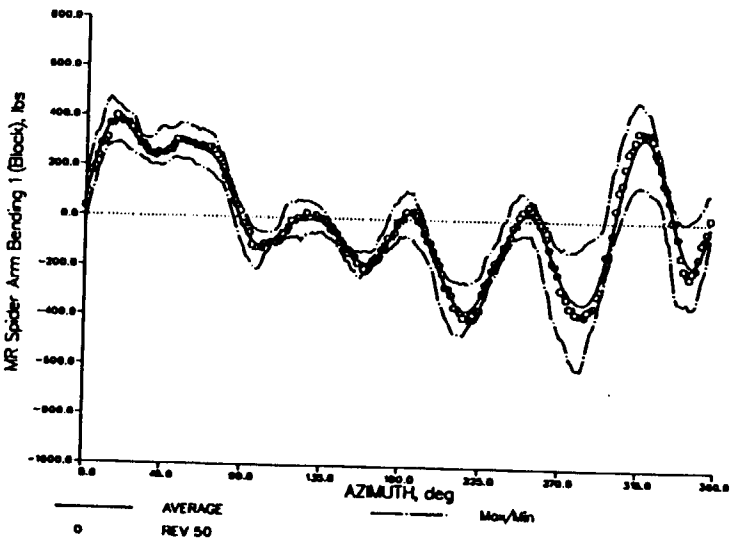
LYNX FLT497, COND F
P2504; MEAN=-4.137E+03; 1/2PP= 4.038E+03



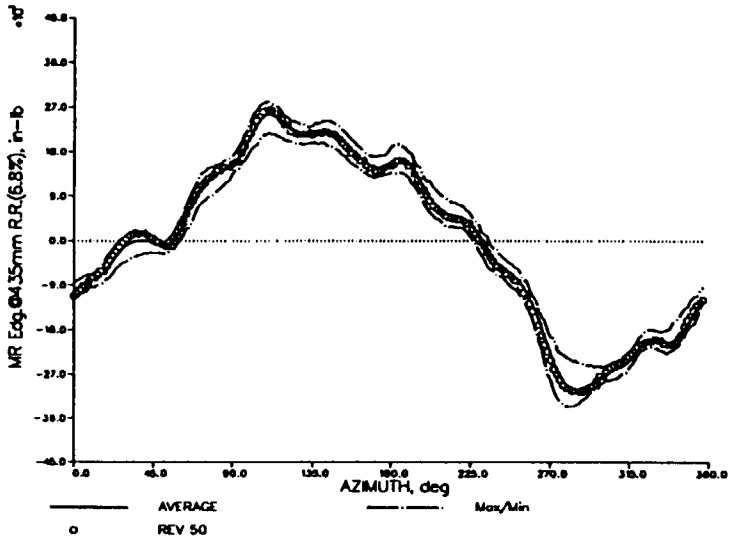
LYNX FLT497, COND F
P2304; MEAN=-2.337E+02; 1/2PP= 4.785E+03



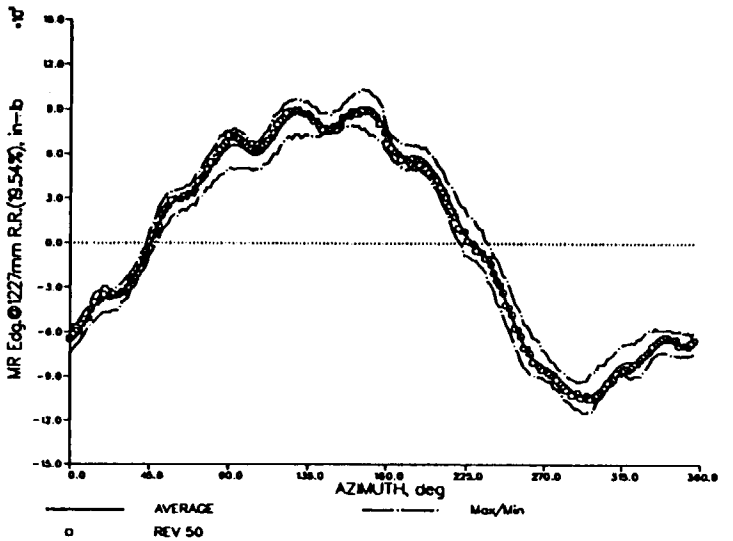
LYNX FLT497, COND F
P3304; MEAN=-7.955E+01; 1/2PP= 3.747E+02



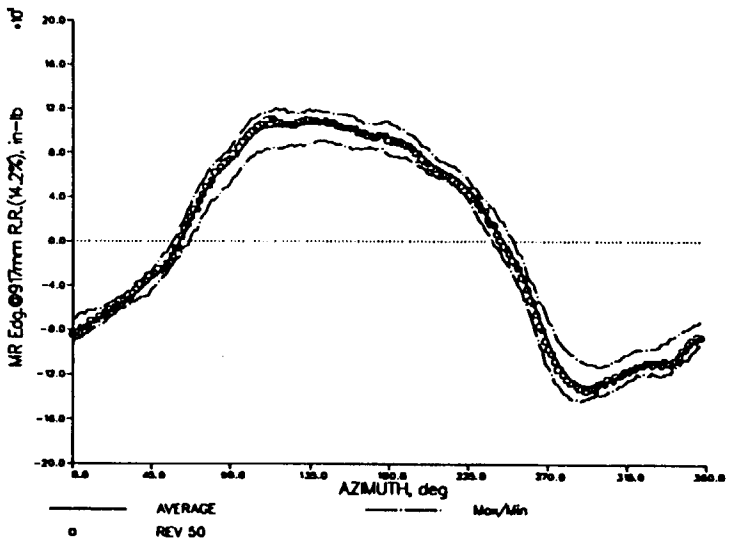
LYNX FLT497, COND F
P1404; MEAN= 7.460E+01; 1/2PP= 2.772E+04



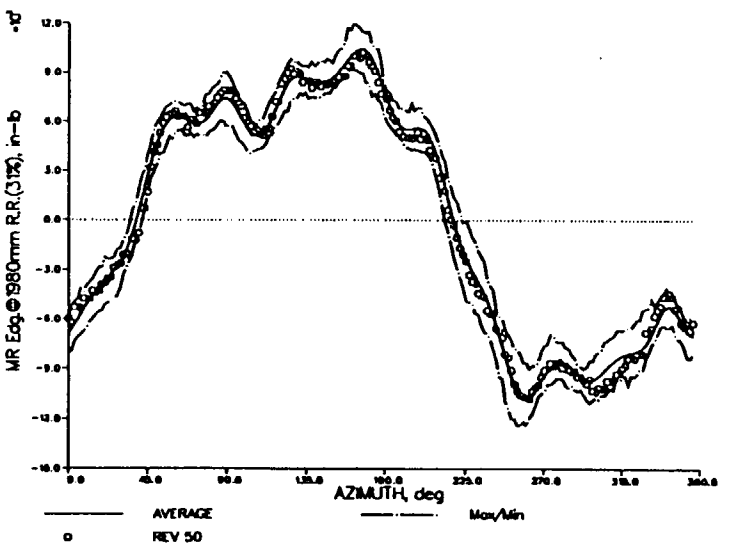
LYNX FLT497, COND F
P1804; MEAN= 1.168E+03; 1/2PP= 9.768E+03



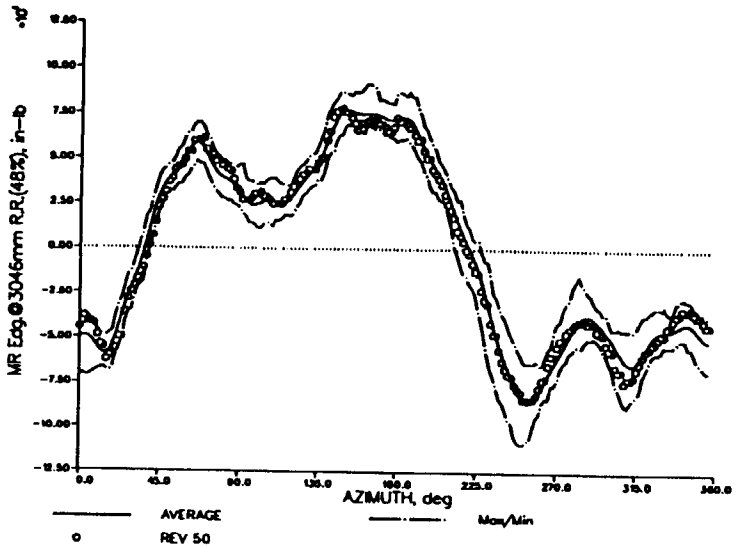
LYNX FLT497, COND F
P1604; MEAN= 3.296E+03; 1/2PP= 1.184E+04



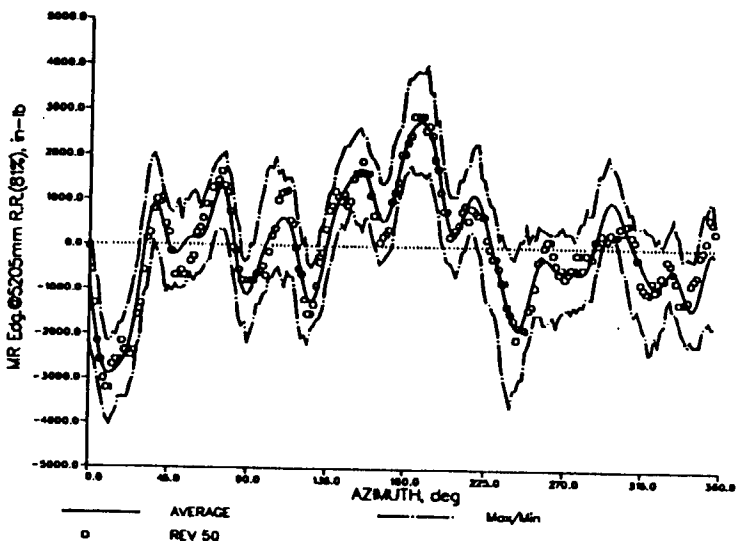
LYNX FLT497, COND F
P2004; MEAN=-4.132E+03; 1/2PP= 1.063E+04



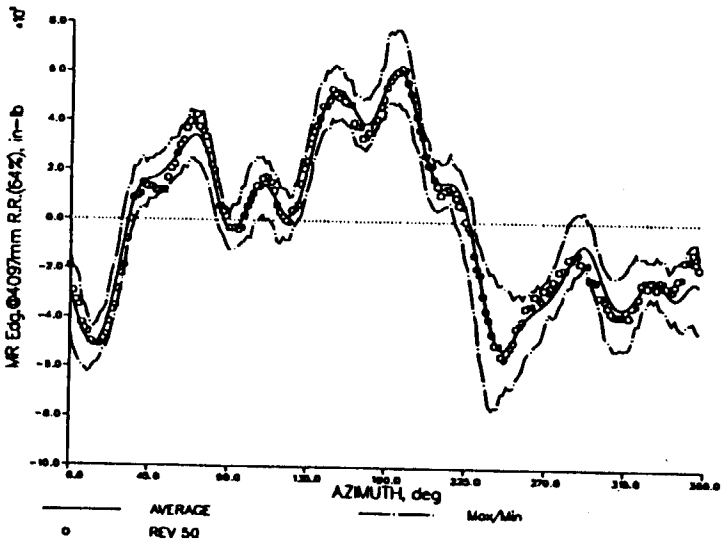
LYNX FLT497, COND F
P2204; MEAN=-2.883E+03; 1/2PP= 8.150E+03



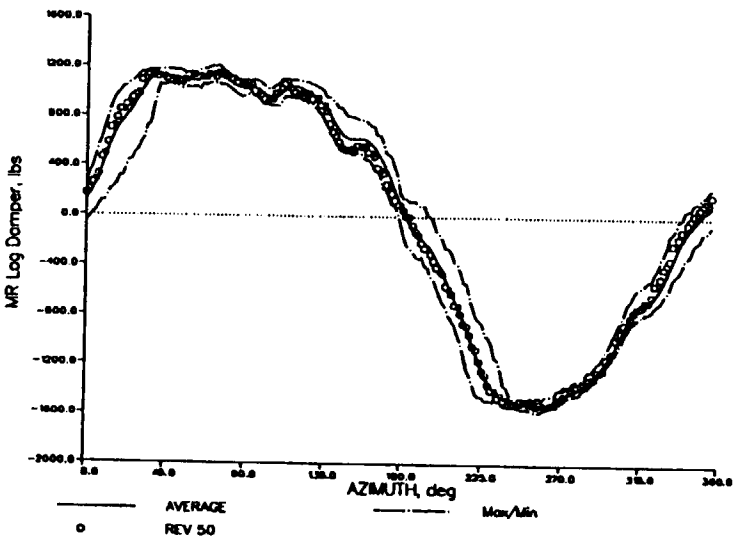
LYNX FLT497, COND F
P2604; MEAN=-6.079E+03; 1/2PP= 3.057E+03



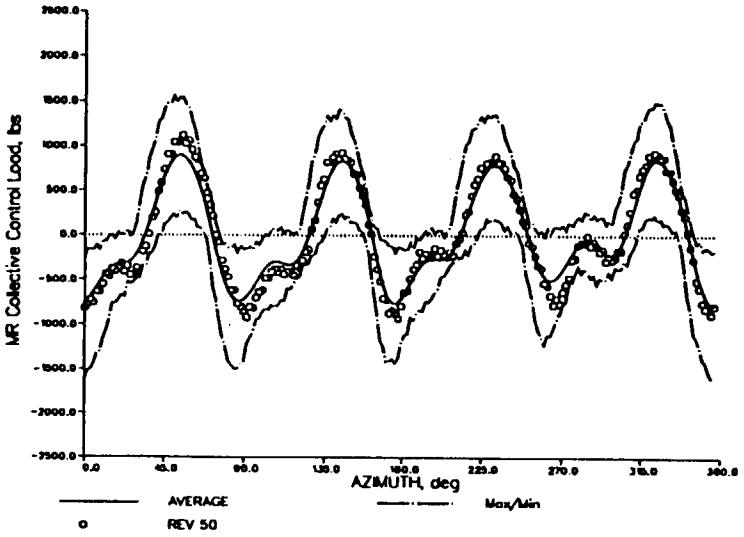
LYNX FLT497, COND F
P2404; MEAN=-5.924E+03; 1/2PP= 5.674E+03



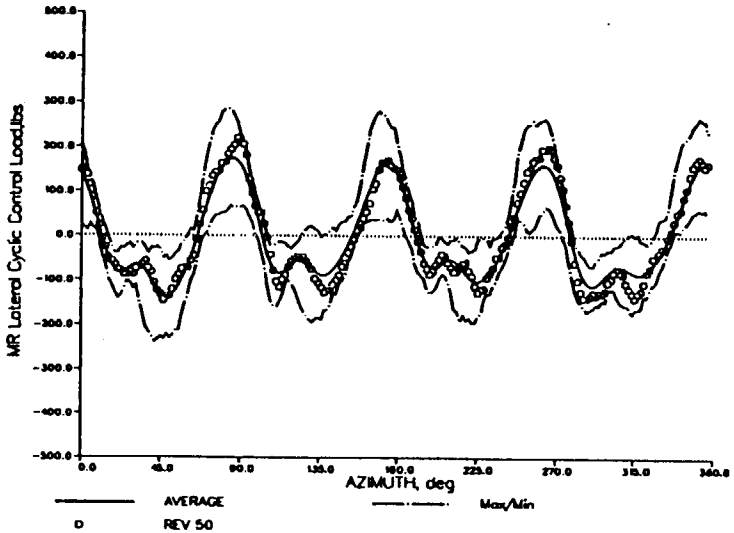
LYNX FLT497, COND F
P3104; MEAN= 5.536E+02; 1/2PP= 1.335E+03



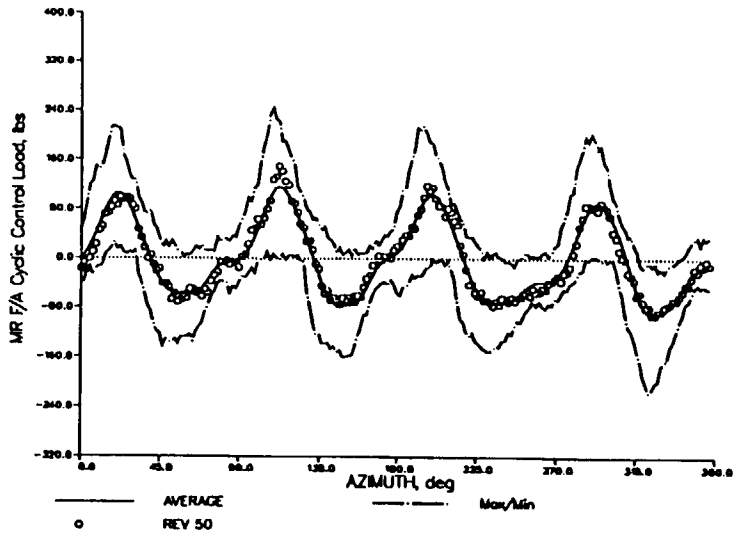
LYNX FLT497, COND F
P2804; MEAN=-1.641E+03; 1/2PP= 8.577E+02



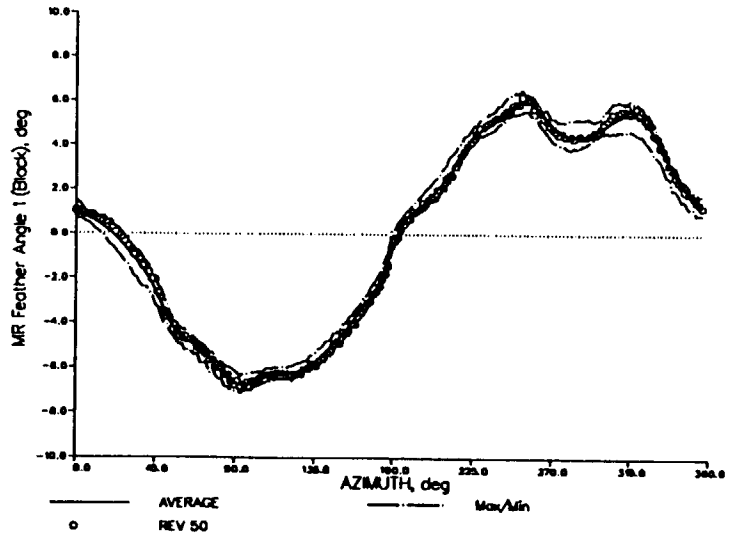
LYNX FLT497, COND F
P3204; MEAN=-2.651E+02; 1/2PP= 1.593E+02

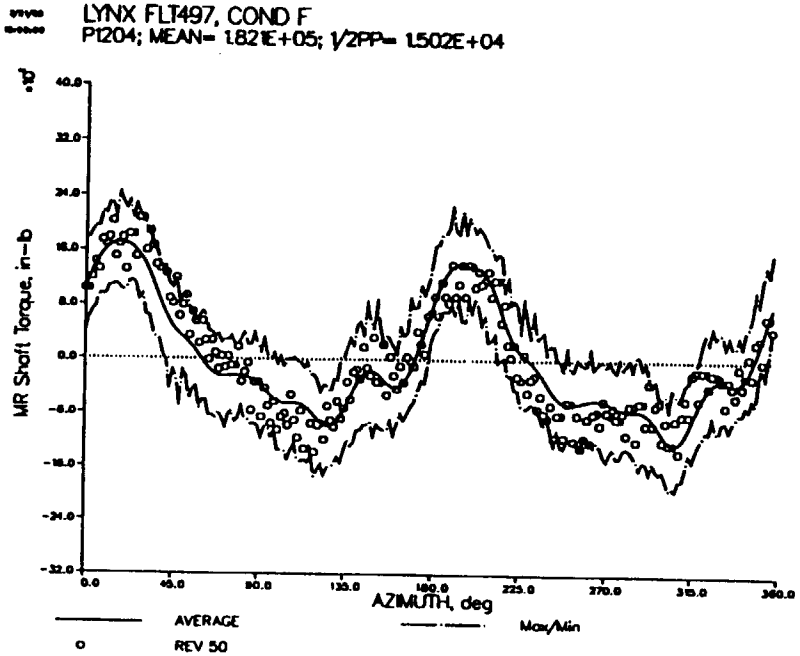


LYNX FLT497, COND F
P2904; MEAN= 5.31E+01; 1/2PP= 1.058E+02

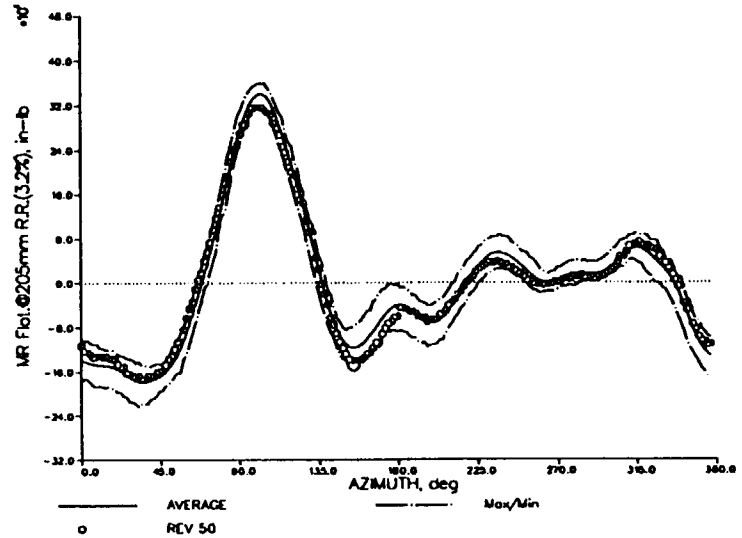


LYNX FLT497, COND F
P3004; MEAN= 1.594E+01; 1/2PP= 6.409E+00

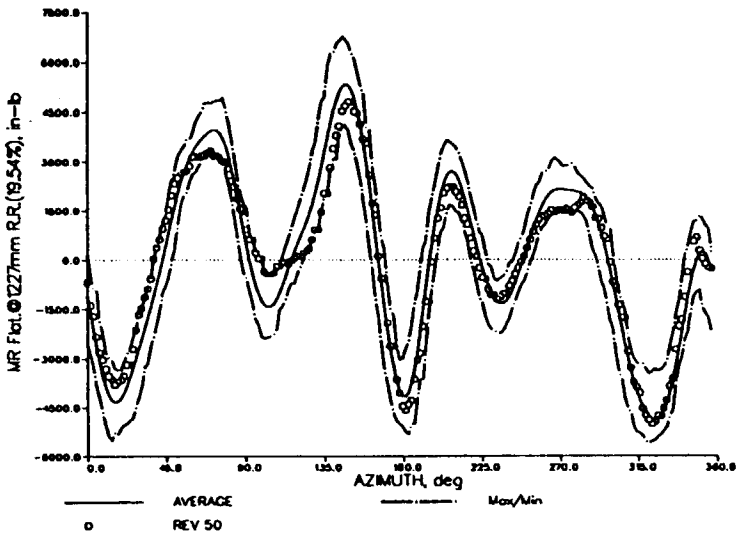



LYNX FLT497, COND F
P1204; MEAN= 1.821E+05; 1/2PP= 1.502E+04
MR Shaft Torque, in-lb
40.0
32.0
24.0
16.0
8.0
0.0
-8.0
-16.0
-24.0
-32.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

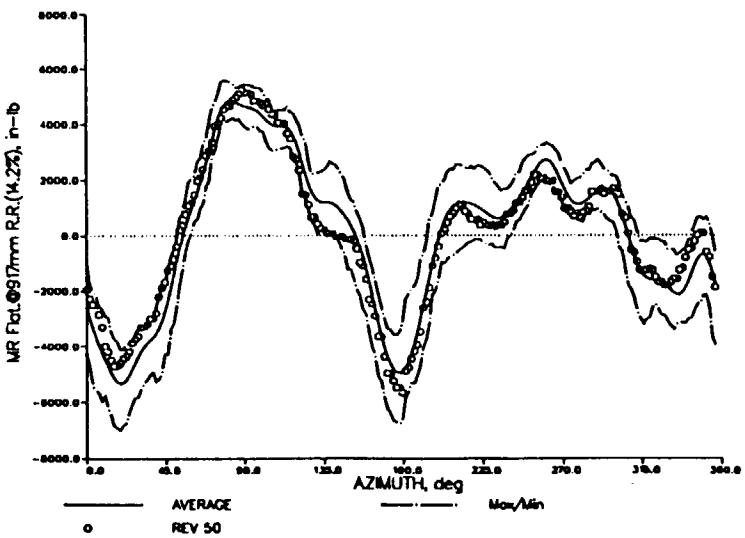
LYNX FLT497, COND G
P1305; MEAN= 2.402E+04; 1/2PP= 2.597E+04



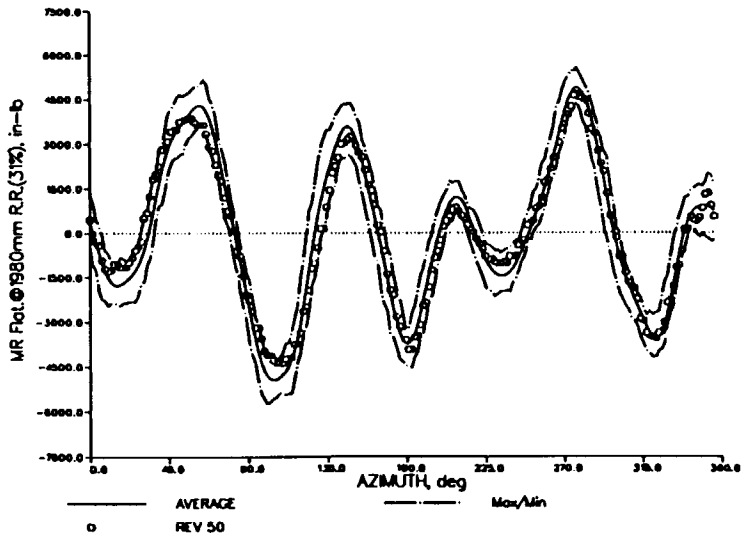
LYNX FLT497, COND G
P1705; MEAN= 1.745E+04; 1/2PP= 5.117E+03

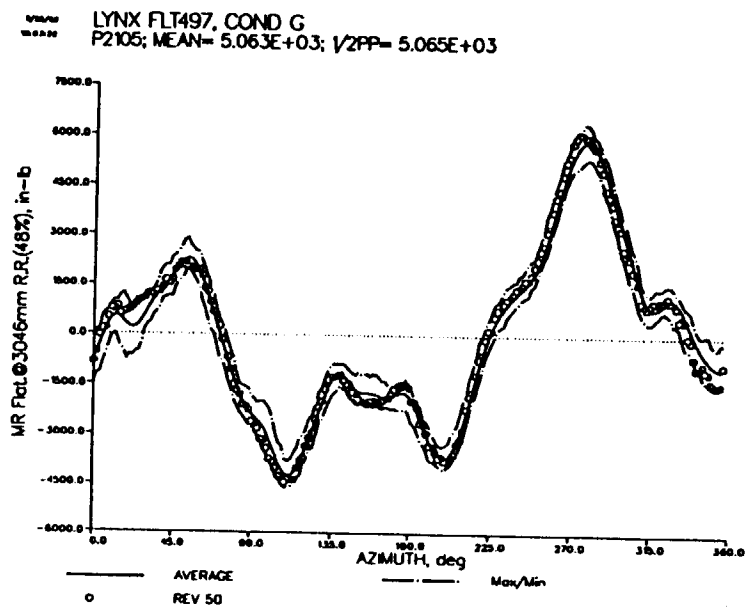


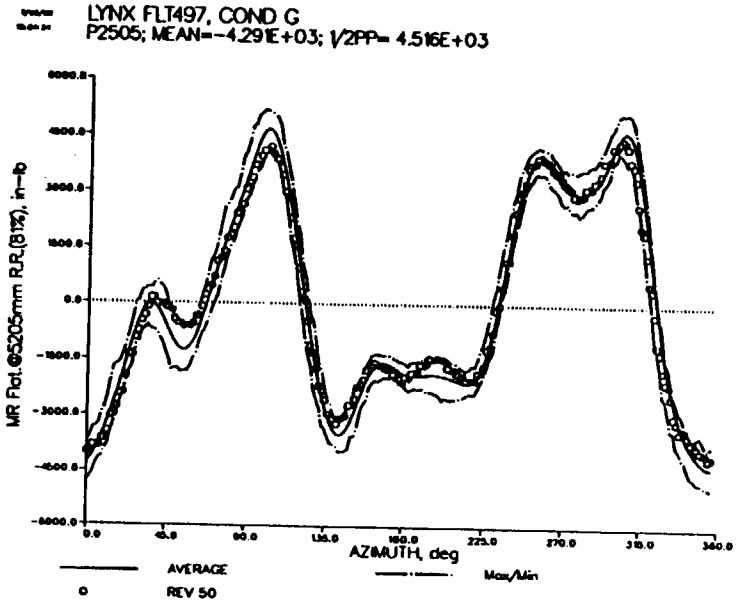
LYNX FLT497, COND G
P1505; MEAN= 1.778E+04; 1/2PP= 5.114E+03

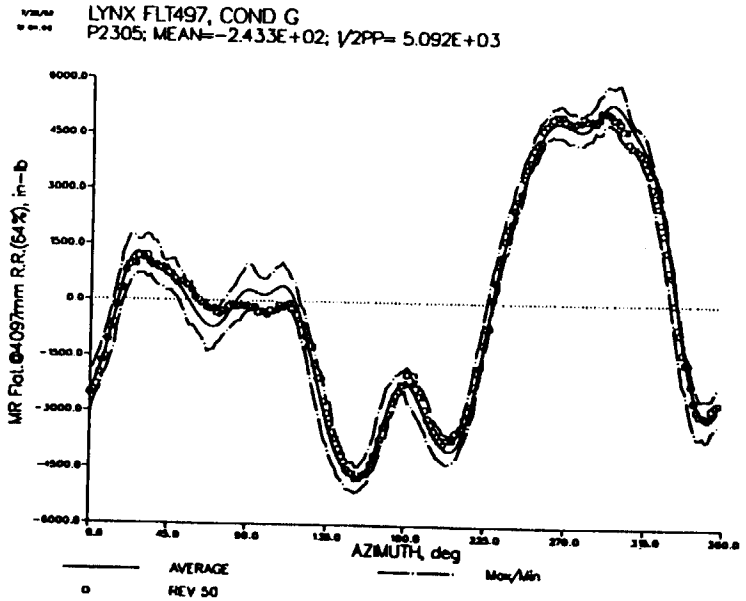


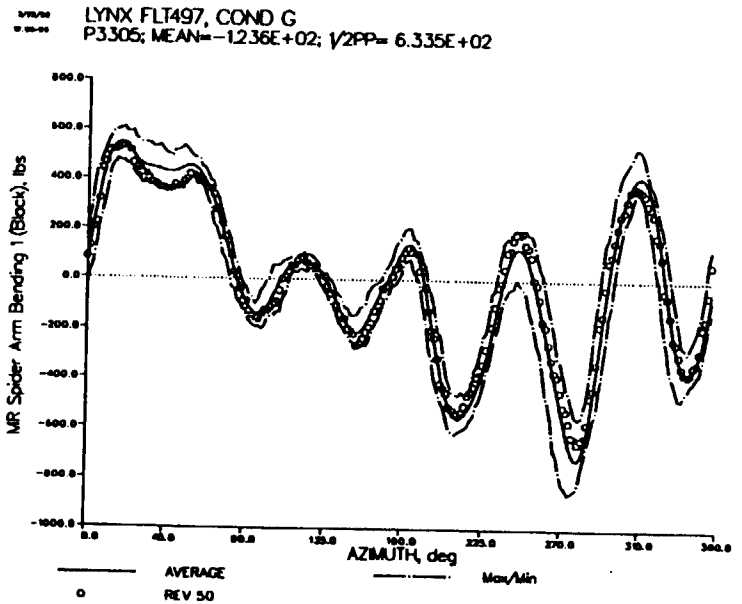
LYNX FLT497, COND G
P1905; MEAN= 1.241E+04; 1/2PP= 4.918E+03

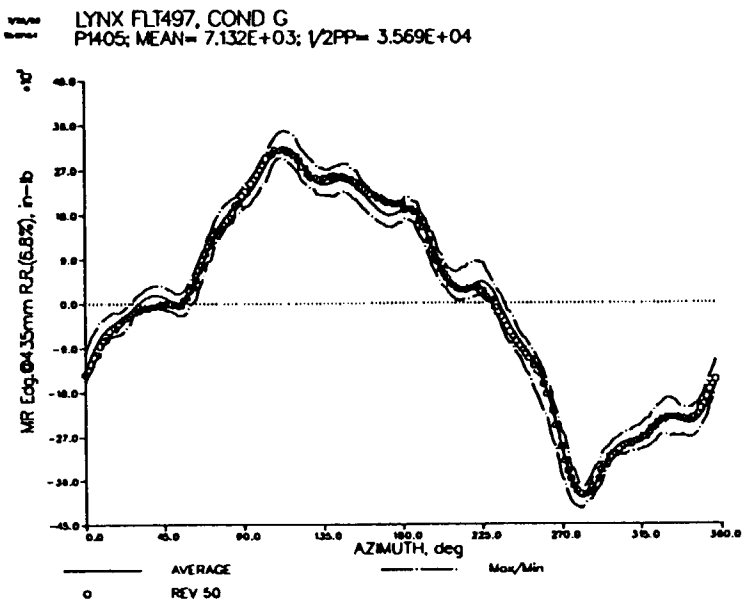


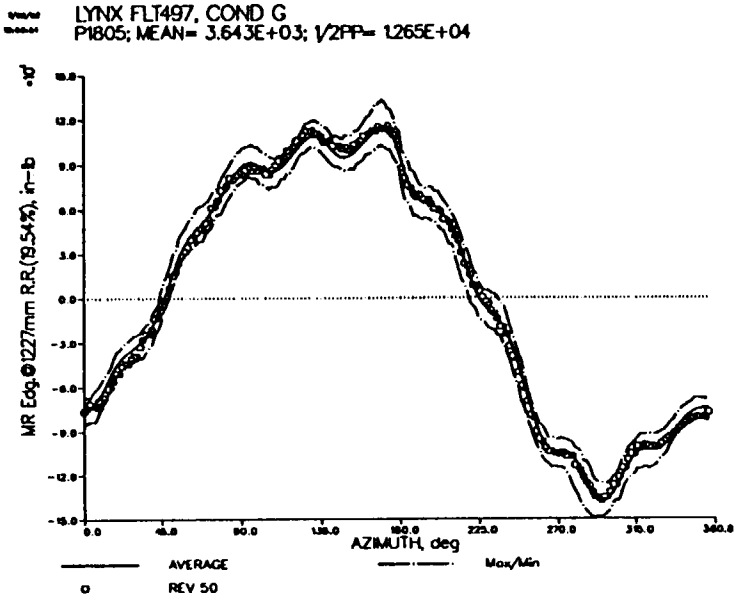

LYNX FLT497, COND G
P2105; MEAN= 5.063E+03; V2PP= 5.065E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

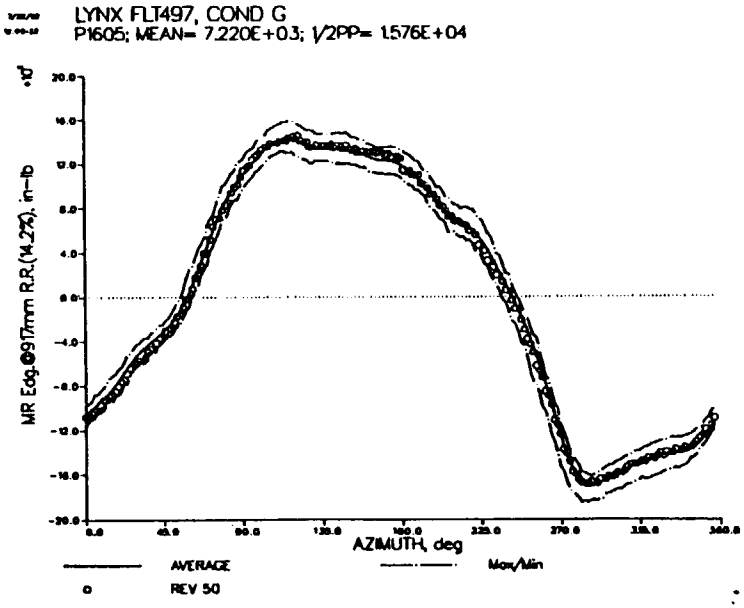

LYNX FLT497, COND G
P2505; MEAN=-4.291E+03; V2PP= 4.516E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

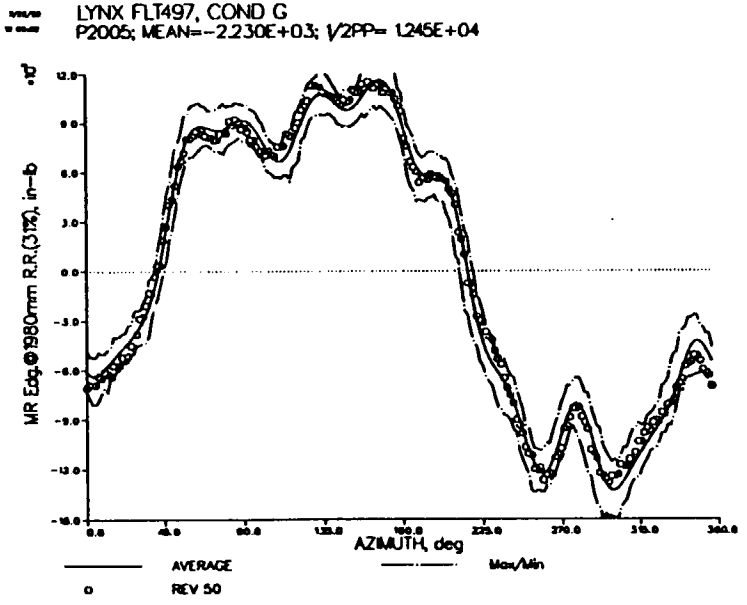

LYNX FLT497, COND G
P2305; MEAN=-2.433E+02; V2PP= 5.092E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND G
P3305; MEAN=-1.236E+02; V2PP= 6.335E+02
MR Spider Arm Bending 1 (Back), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

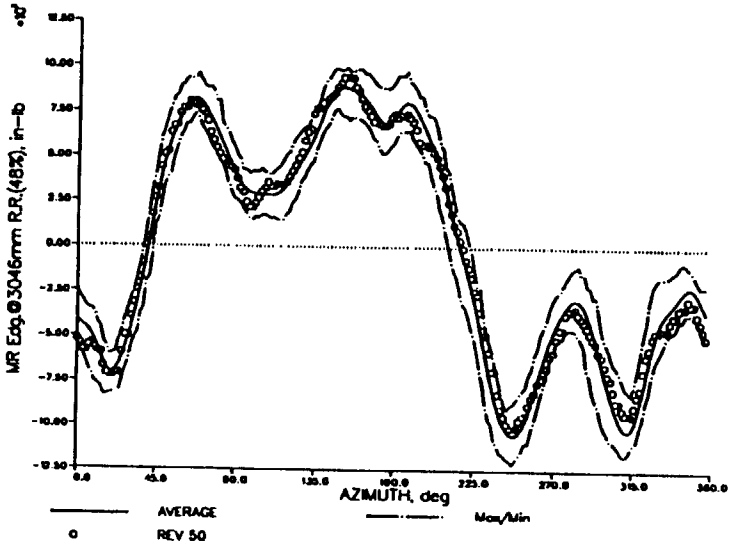

LYNX FLT497, COND G
P1405; MEAN= 7.132E+03; V2PP= 3.569E+04
MR Edg.@435mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND G
P1805; MEAN= 3.643E+03; V2PP= 1.265E+04
MR Edg.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

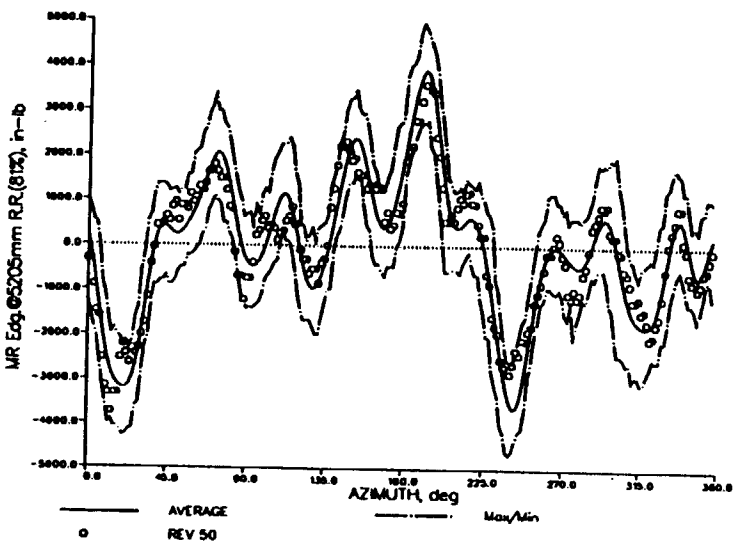

LYNX FLT497, COND G
P1605; MEAN= 7.220E+03; V2PP= 1.576E+04
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND G
P2005; MEAN=-2.230E+03; V2PP= 1.245E+04
MR Edg.@1980mm R.R.(3.1%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

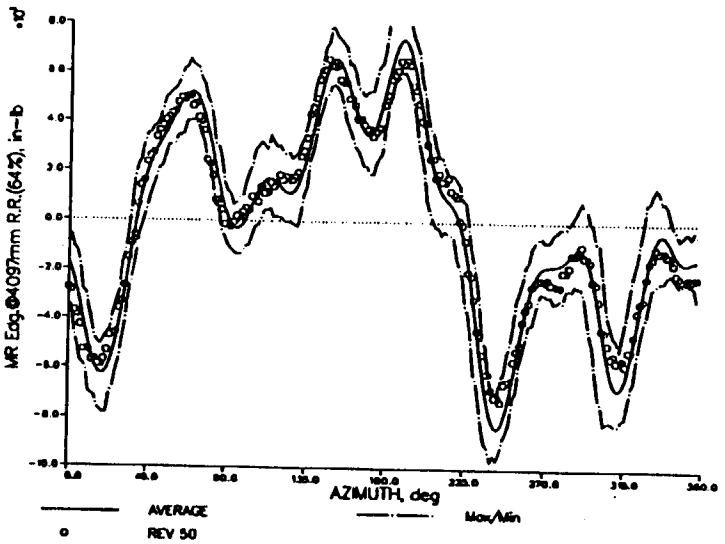
LYNX FLT497, COND G
P2205; MEAN=-1.883E+03; 1/2PP= 9.700E+03



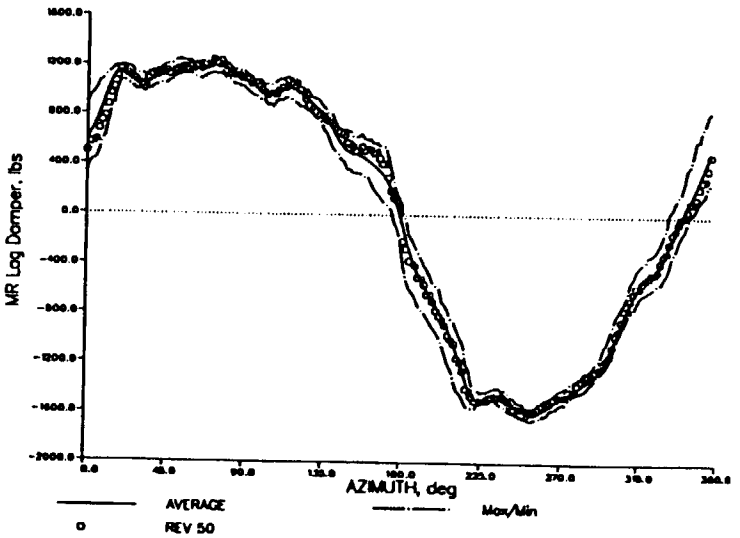
LYNX FLT497, COND G
P2605; MEAN=-5.815E+03; 1/2PP= 3.738E+03



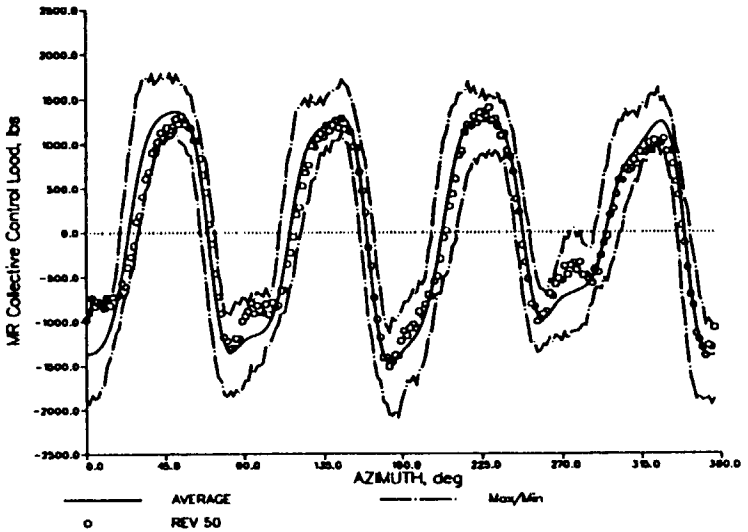
LYNX FLT497, COND G
P2405; MEAN=-5.271E+03; 1/2PP= 7.892E+03



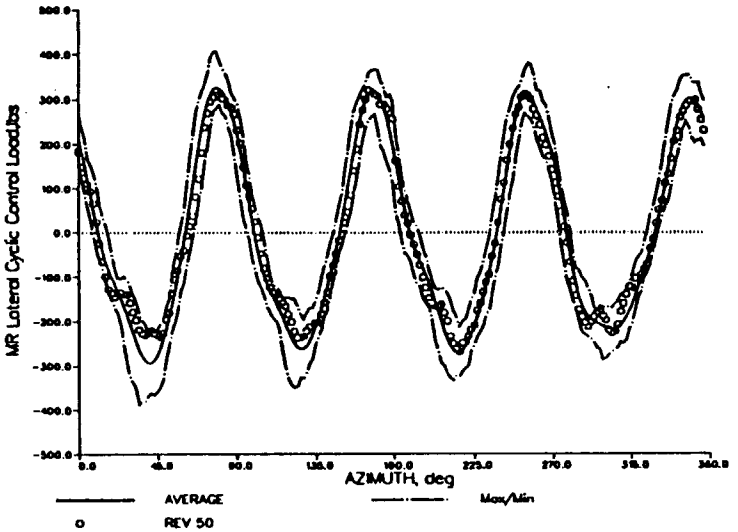
LYNX FLT497, COND G
P3105; MEAN= 5.454E+02; 1/2PP= 1.398E+03



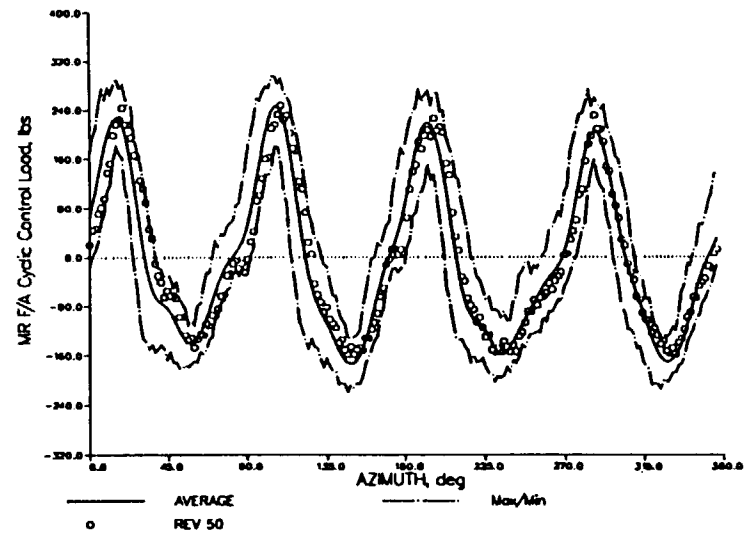
LYNX FLT497, COND G
P2805; MEAN=-2.187E+03; 1/2PP= 1.436E+03



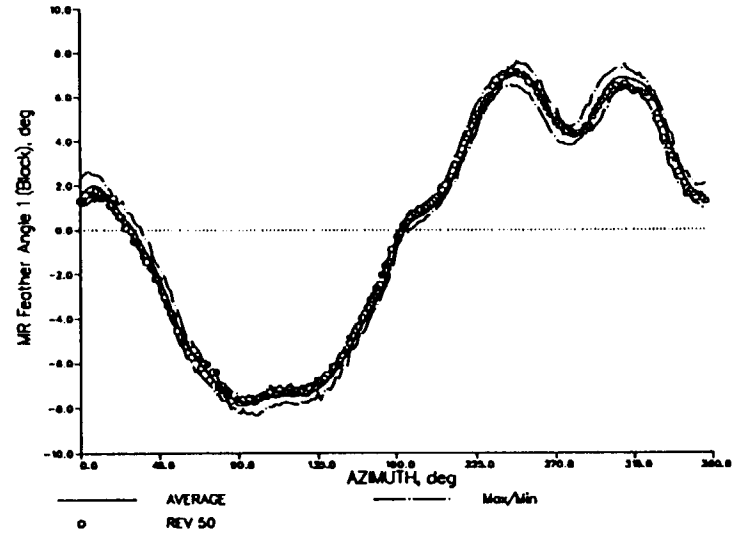
LYNX FLT497, COND G
P3205; MEAN=-3.174E+02; 1/2PP= 3.084E+02

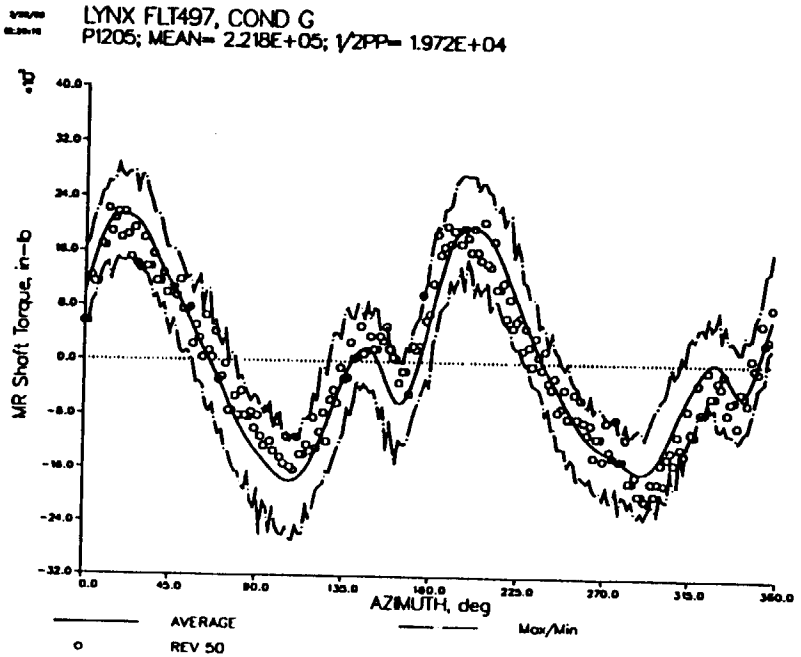


LYNX FLT497, COND G
P2905; MEAN= 1.510E+02; 1/2PP= 2.121E+02

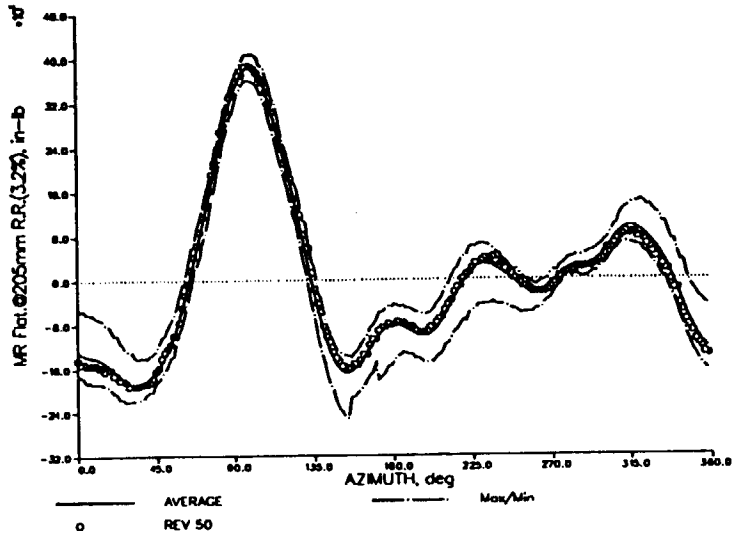


LYNX FLT497, COND G
P3005; MEAN= 1.787E+01; 1/2PP= 7.472E+00

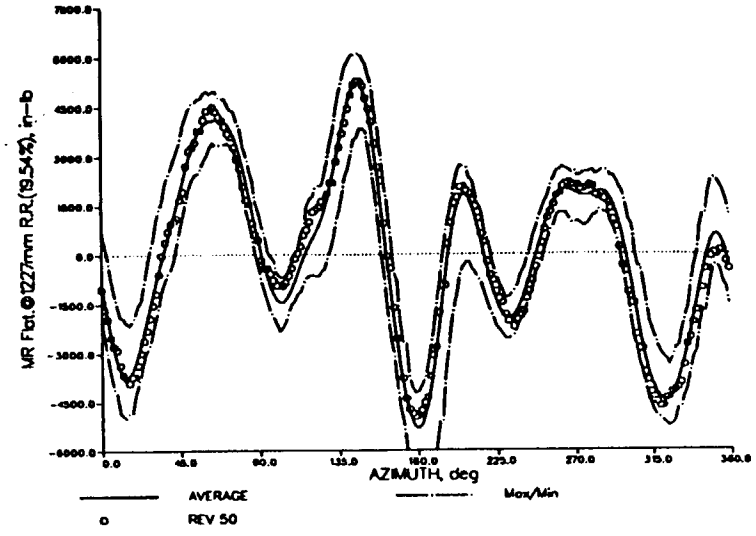



LYNX FLT497, COND G
P1205; MEAN= 2.218E+05; 1/2PP= 1.972E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

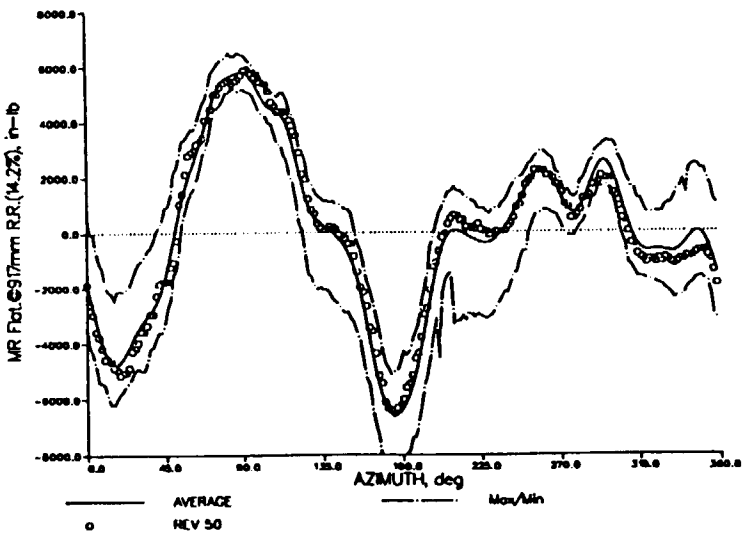
LYNX FLT497, COND H
P1306; MEAN= 2.292E+04; 1/2PP= 2.877E+04



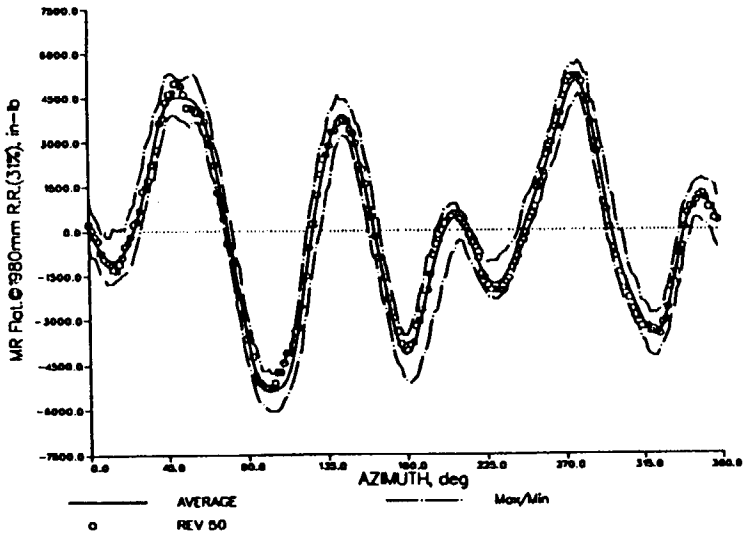
LYNX FLT497, COND H
P1706; MEAN= 1.732E+04; 1/2PP= 5.293E+03

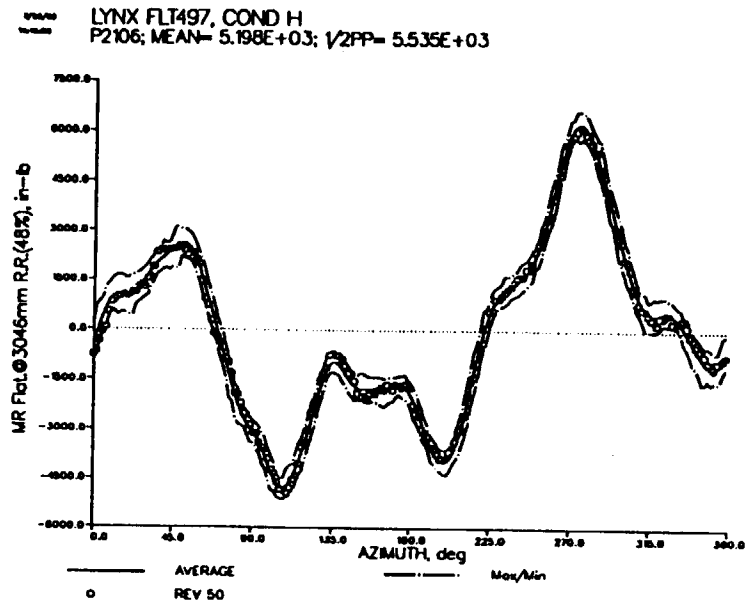


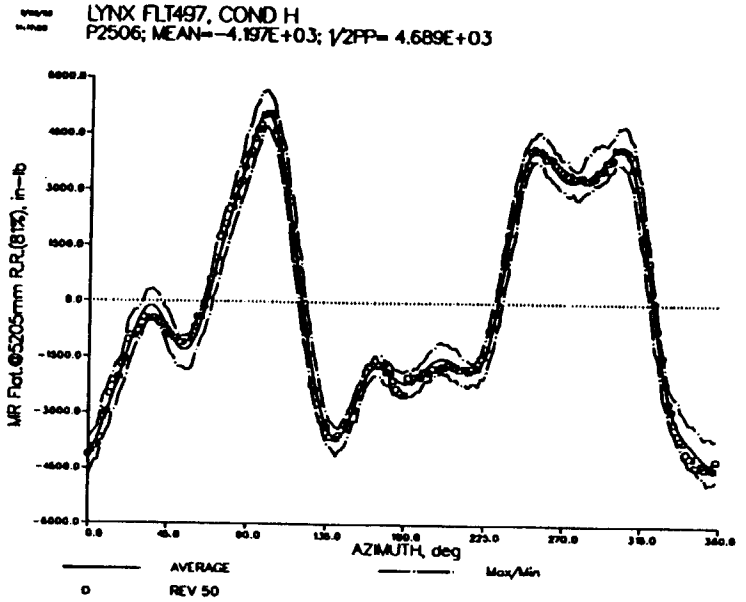
LYNX FLT497, COND H
P1506; MEAN= 1.734E+04; 1/2PP= 6.187E+03

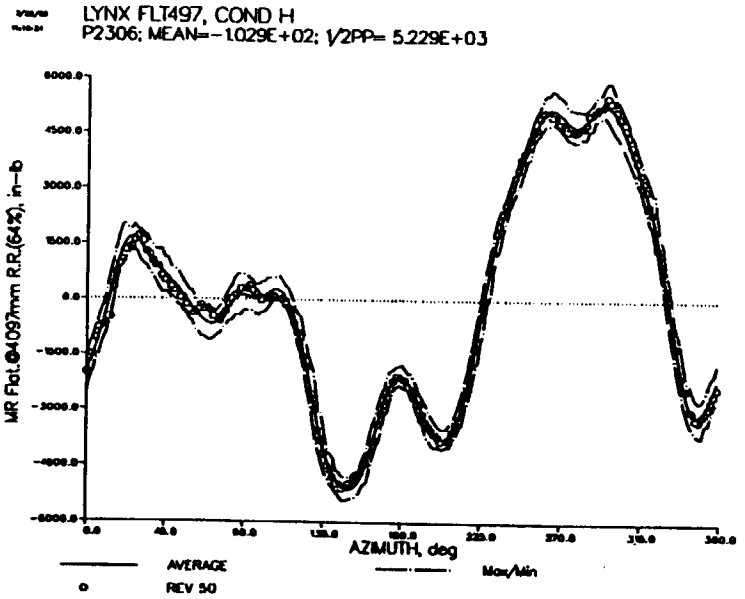


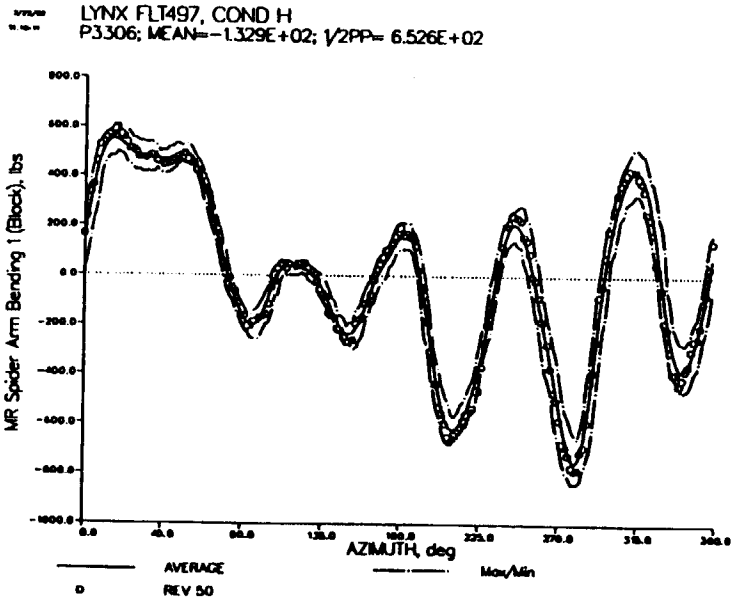
LYNX FLT497, COND H
P1906; MEAN= 1.247E+04; 1/2PP= 5.222E+03

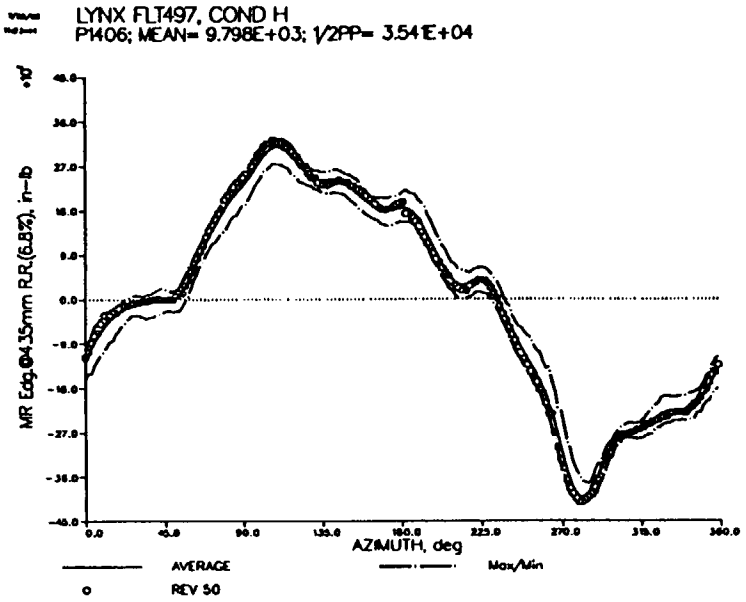


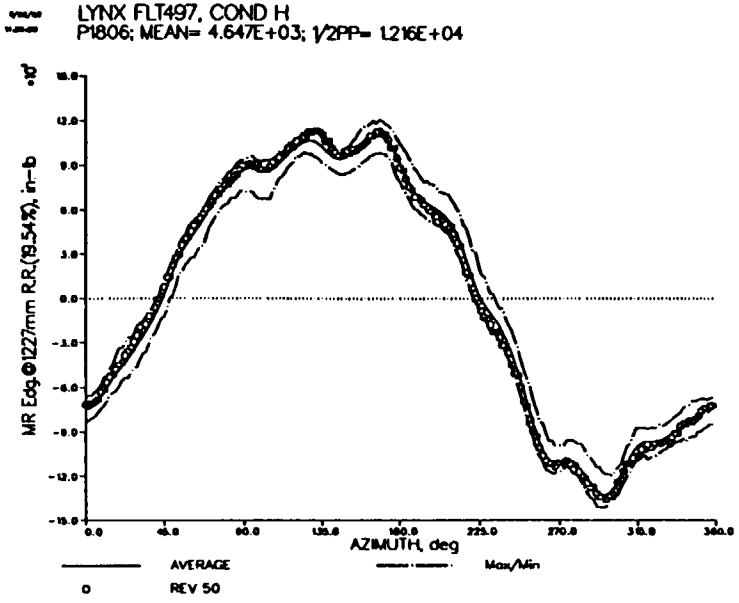

LYNX FLT497, COND H
P2106; MEAN= 5.198E+03; 1/2PP= 5.535E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

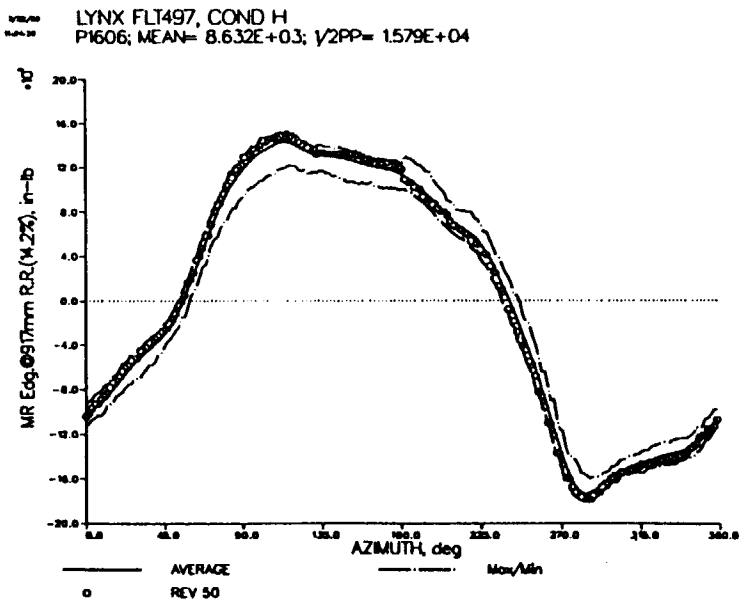

LYNX FLT497, COND H
P2506; MEAN=-4.197E+03; 1/2PP= 4.689E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

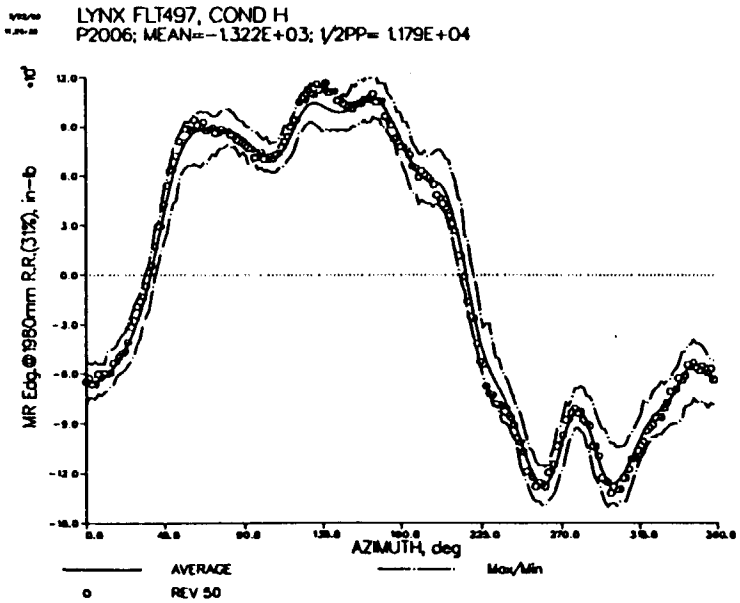

LYNX FLT497, COND H
P2306; MEAN=-1.029E+02; 1/2PP= 5.229E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND H
P3306; MEAN=-1.329E+02; 1/2PP= 6.526E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

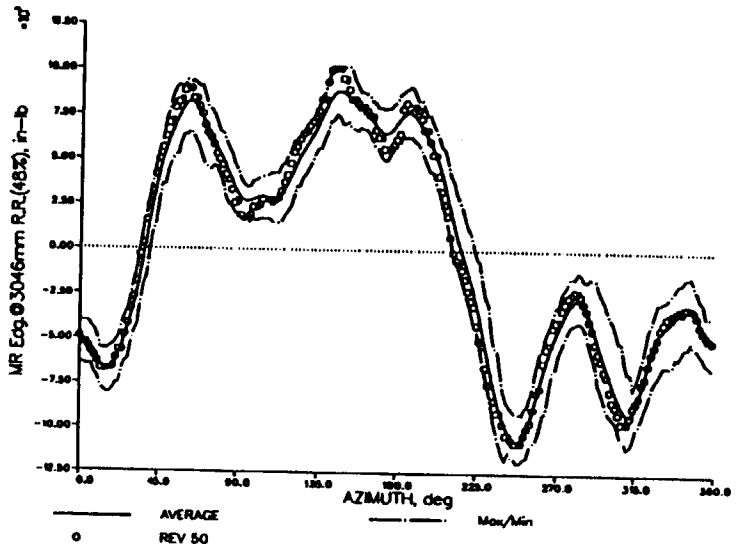

LYNX FLT497, COND H
P1406; MEAN= 9.798E+03; 1/2PP= 3.541E+04
MR Edg.@435mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND H
P1806; MEAN= 4.647E+03; 1/2PP= 1.216E+04
MR Edg.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

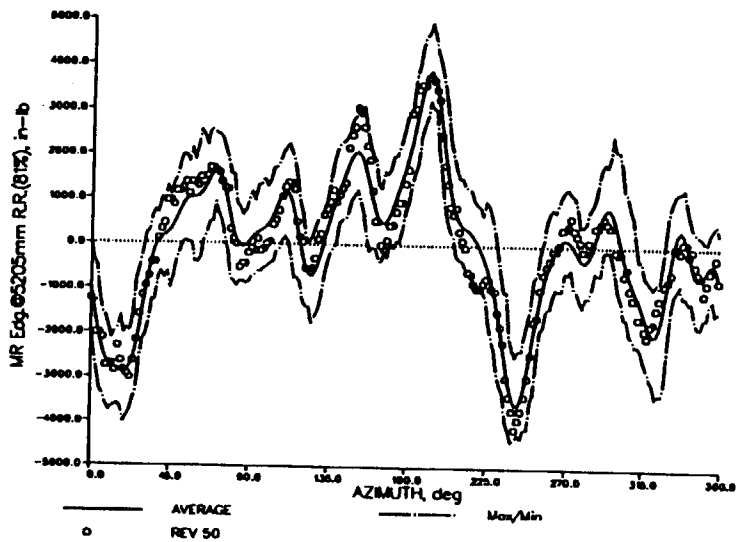

LYNX FLT497, COND H
P1606; MEAN= 8.632E+03; 1/2PP= 1.579E+04
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND H
P2006; MEAN=-1.322E+03; 1/2PP= 1.179E+04
MR Edg.@1980mm R.R.(3.1%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

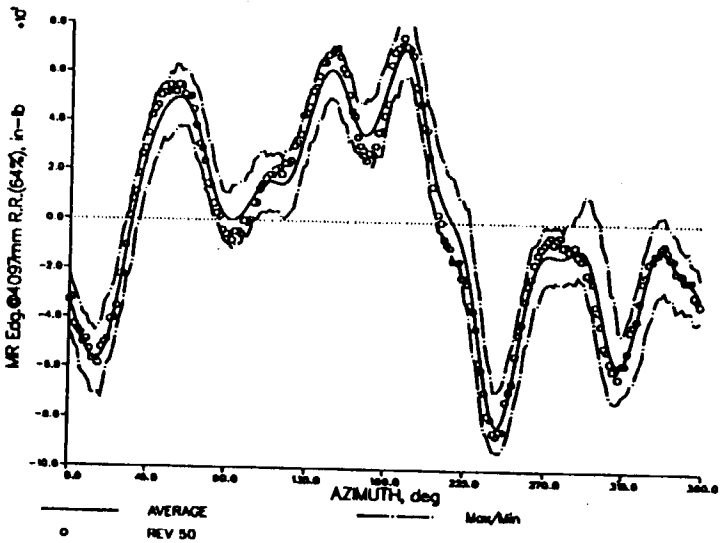
LYNX FLT497, COND H
P2206; MEAN=-1.240E+03; 1/2PP= 9.724E+03



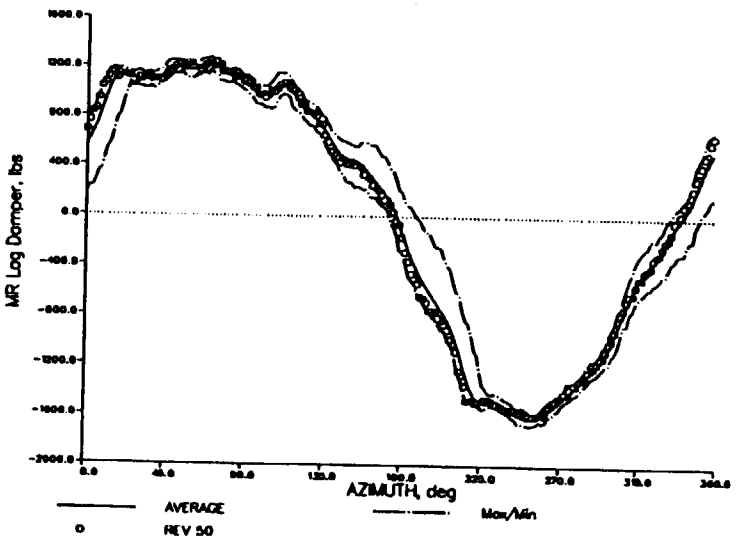
LYNX FLT497, COND H
P2606; MEAN=-5.830E+03; 1/2PP= 3.705E+03



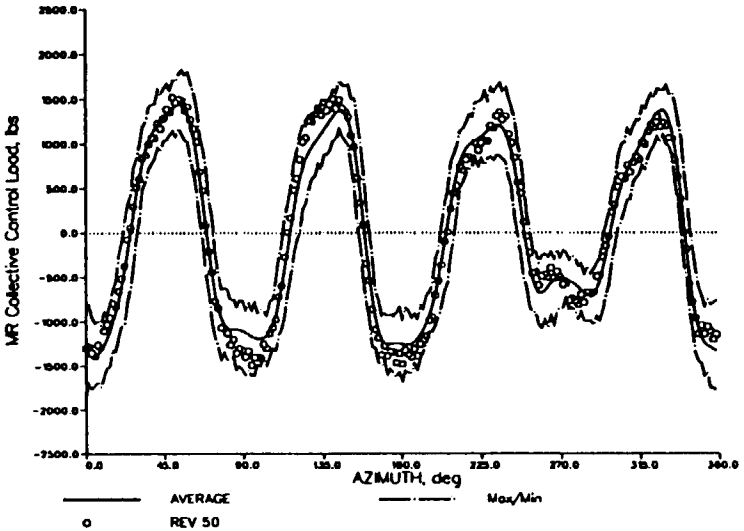
LYNX FLT497, COND H
P2406; MEAN=-4.940E+03; 1/2PP= 7.632E+03



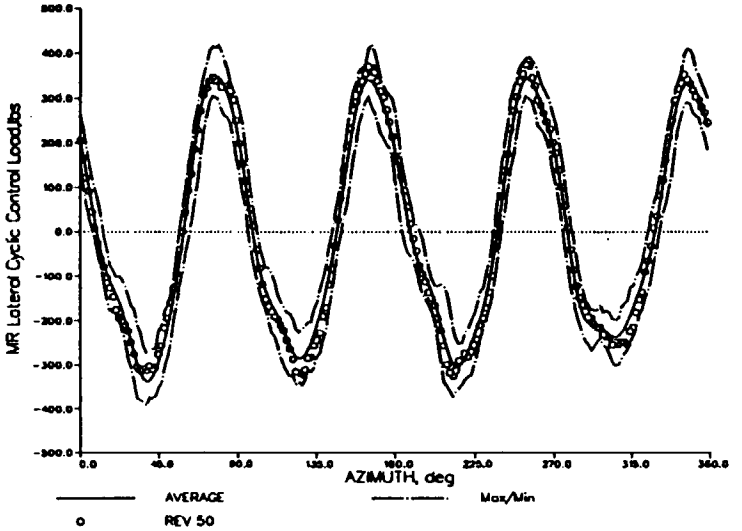
LYNX FLT497, COND H
P3106; MEAN= 5.483E+02; 1/2PP= 1.423E+03



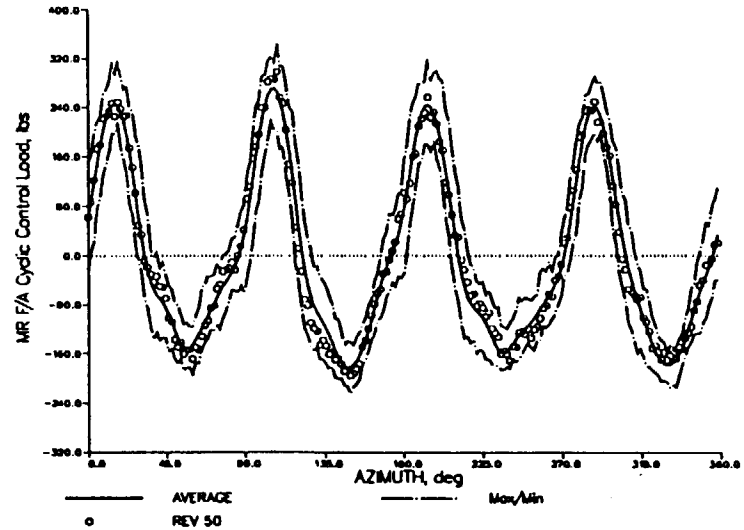
LYNX FLT497, COND H
P2806; MEAN=-2.313E+03; 1/2PP= 1.439E+03



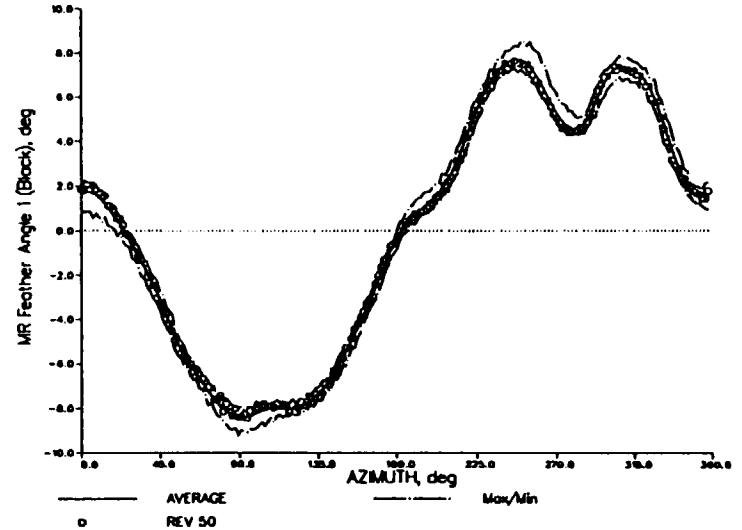
LYNX FLT497, COND H
P3206; MEAN=-3.136E+02; 1/2PP= 3.485E+02



LYNX FLT497, COND H
P2906; MEAN= 1.372E+02; 1/2PP= 2.271E+02

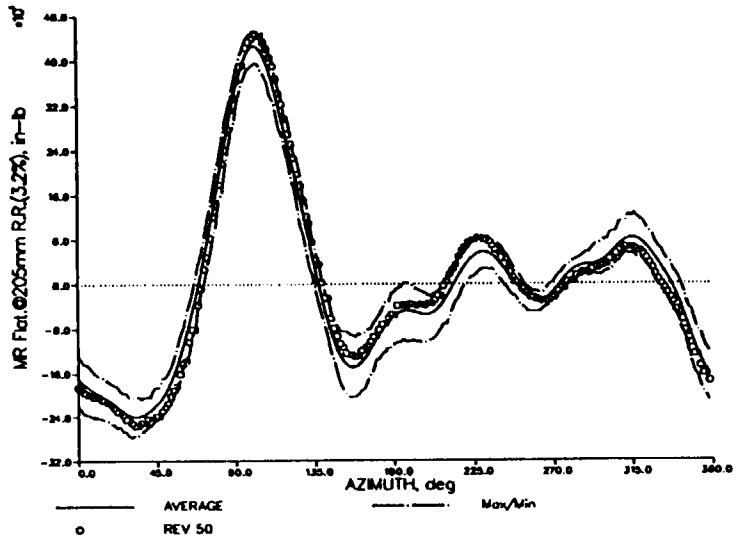


LYNX FLT497, COND H
P3006; MEAN= 1.854E+01; 1/2PP= 8.087E+00

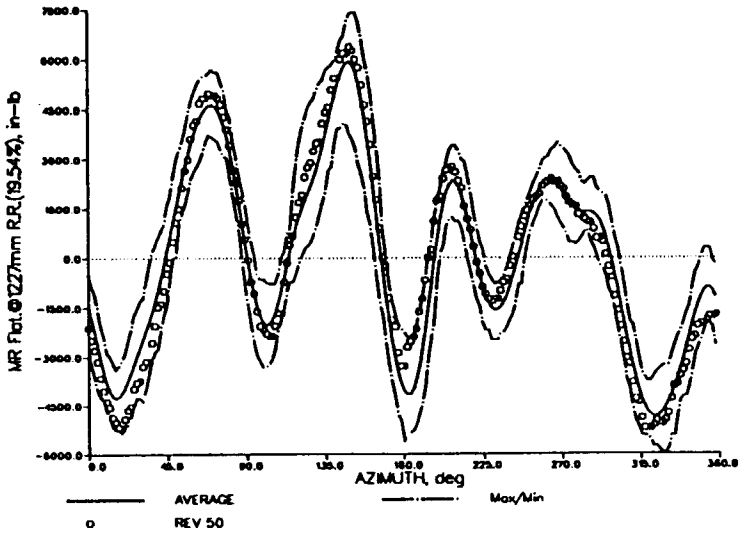


LYNX FLT497, COND H
P1206; MEAN= 2.376E+05; V2PP= 2.225E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

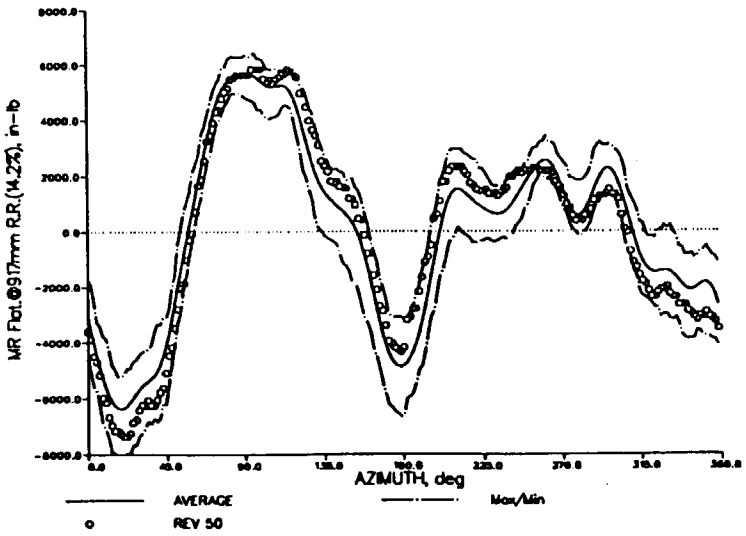
LYNX FLT497, COND I
P1307; MEAN= 2.267E+04; 1/2PP= 3.322E+04



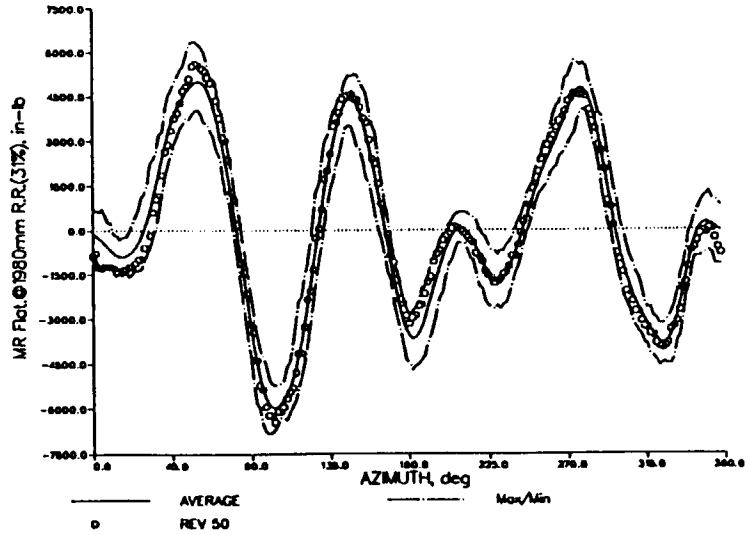
LYNX FLT497, COND I
P1707; MEAN= 1.709E+04; 1/2PP= 5.373E+03



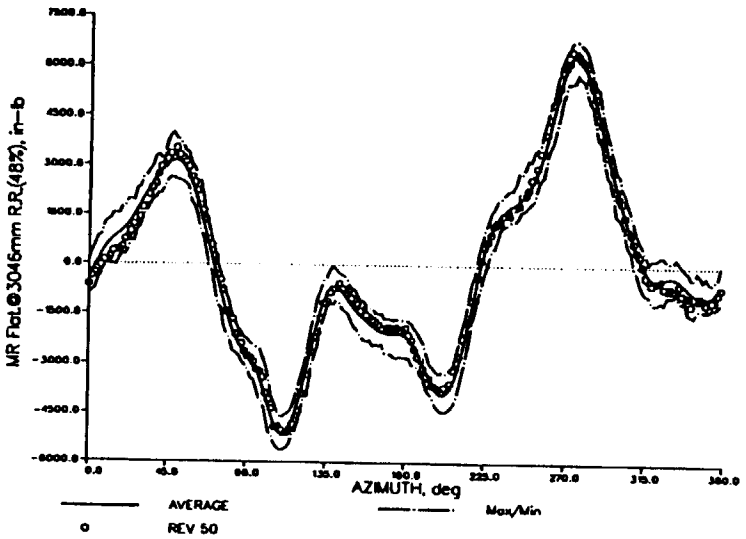
LYNX FLT497, COND I
P1507; MEAN= 1.709E+04; 1/2PP= 6.018E+03



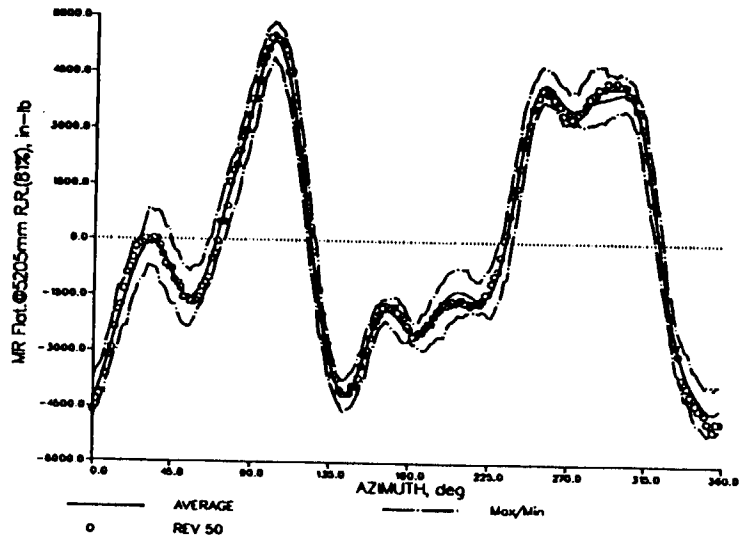
LYNX FLT497, COND I
P1907; MEAN= 1.226E+04; 1/2PP= 5.502E+03



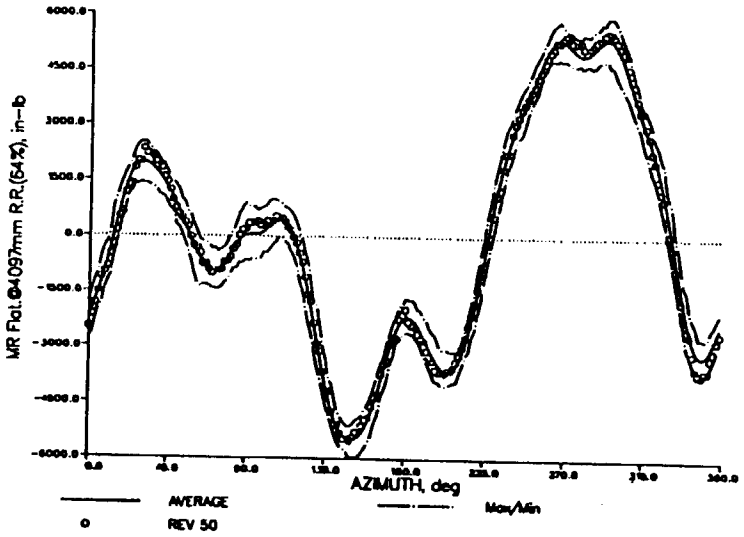
LYNX FLT497, COND I
P2107; MEAN= 5.033E+03; 1/2PP= 5.759E+03



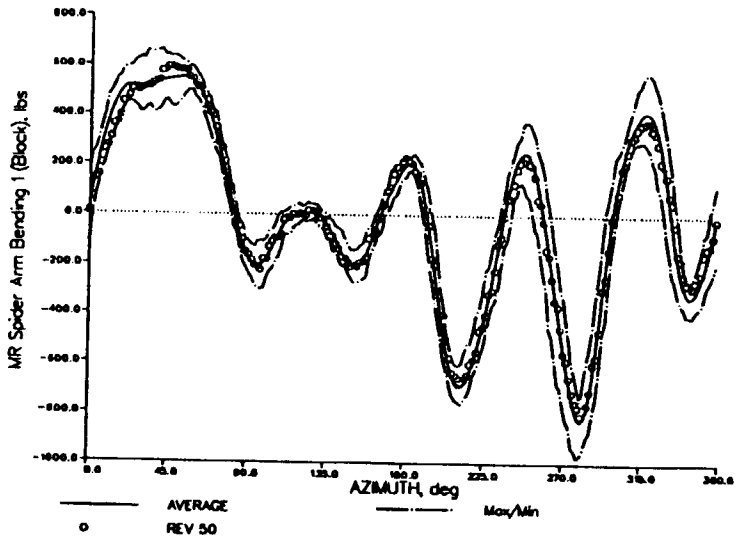
LYNX FLT497, COND I
P2507; MEAN=-4.143E+03; 1/2PP= 4.955E+03

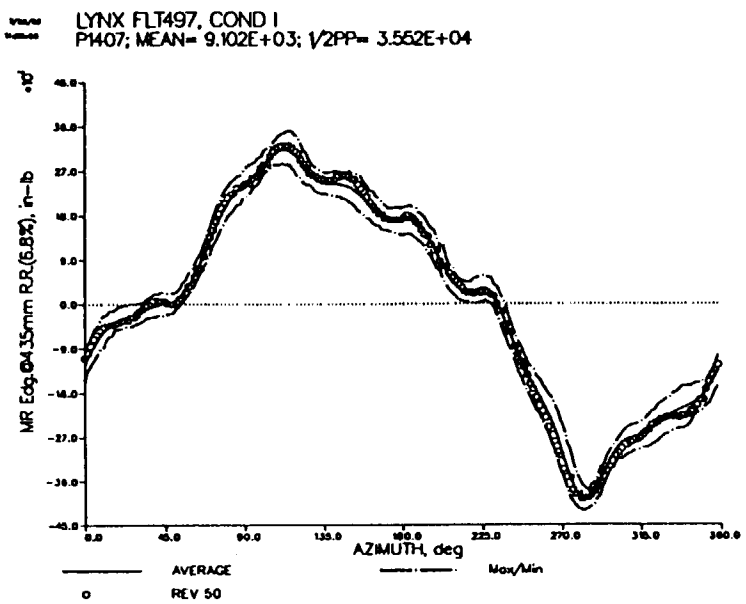


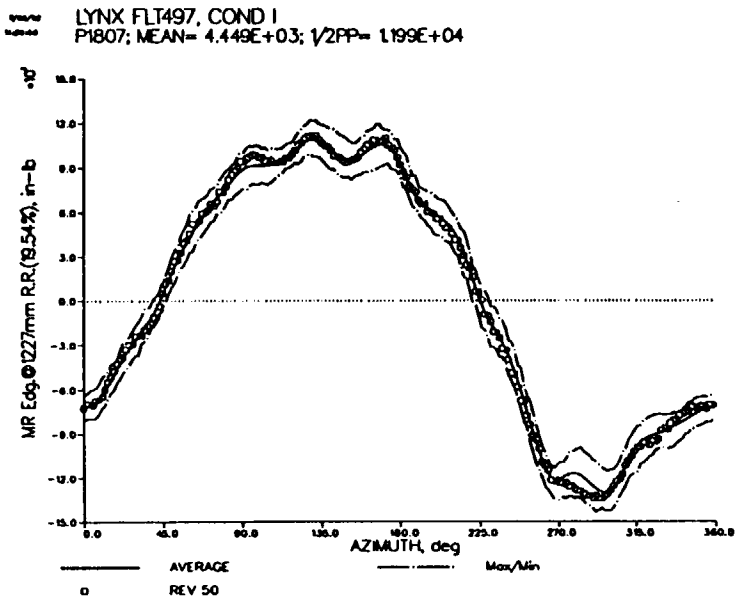
LYNX FLT497, COND I
P2307; MEAN=-1.581E+02; 1/2PP= 5.456E+03

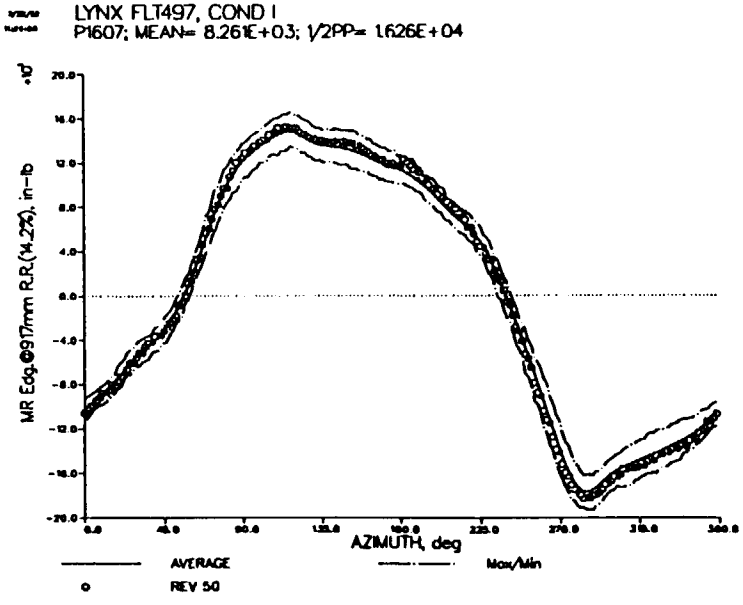


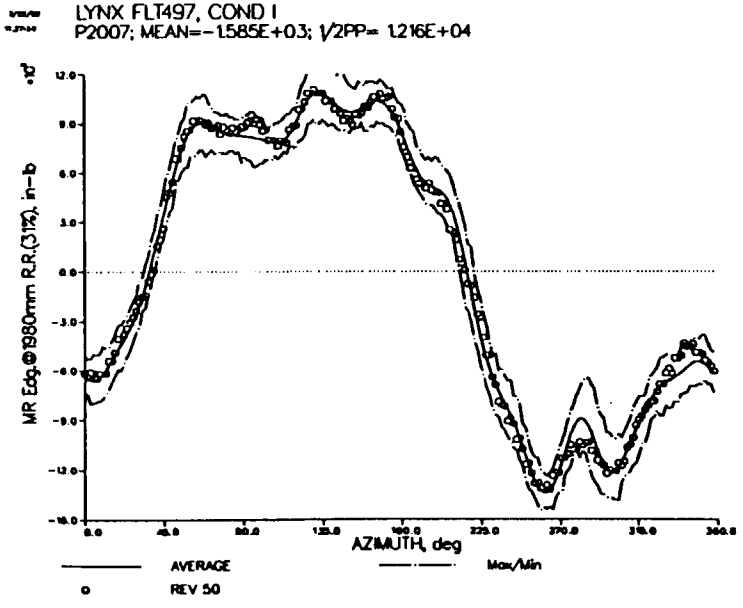
LYNX FLT497, COND I
P3307; MEAN=-1.540E+02; 1/2PP= 6.924E+02

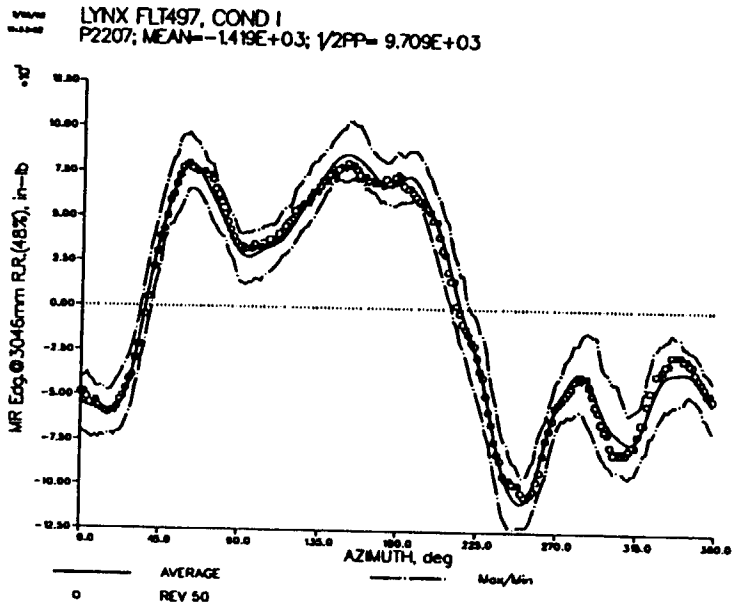


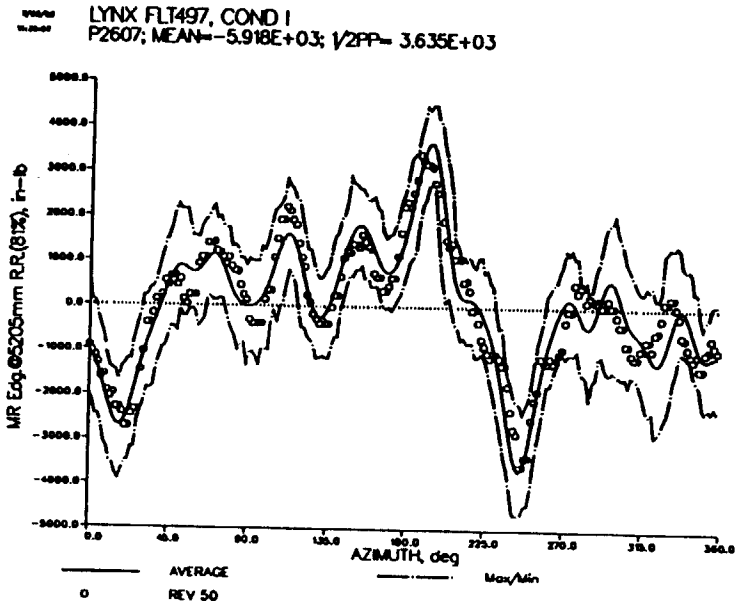

LYNX FLT497, COND I
P1407; MEAN= 9.102E+03; V2PP= 3.552E+04
MR Edg.@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

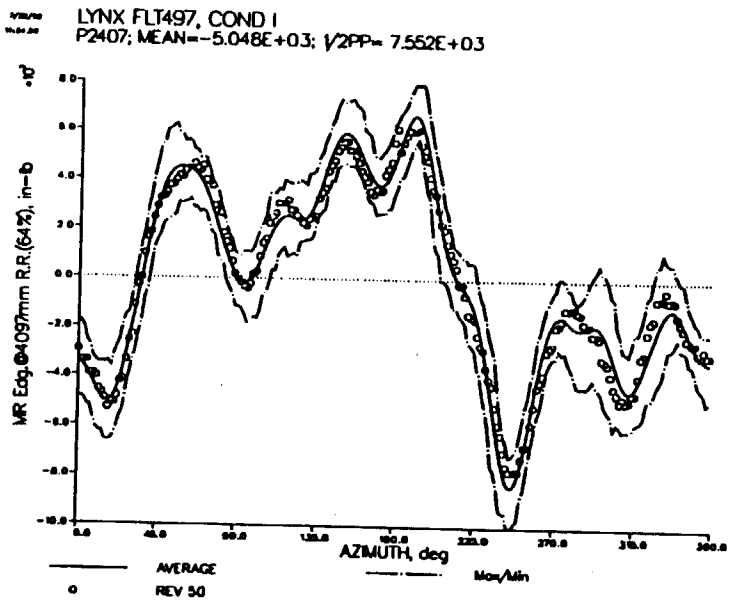

LYNX FLT497, COND I
P1807; MEAN= 4.449E+03; V2PP= 1.199E+04
MR Edg.@12.27mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

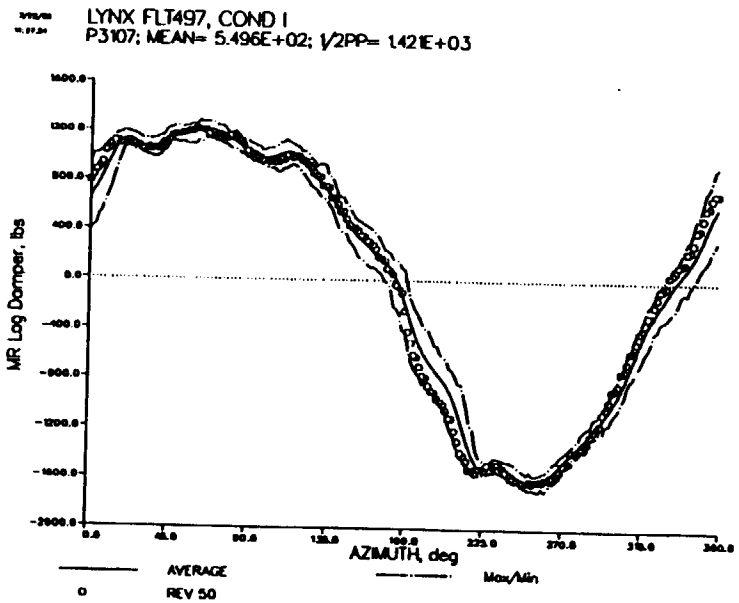

LYNX FLT497, COND I
P1607; MEAN= 8.261E+03; V2PP= 1.626E+04
MR Edg.@9.17mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT497, COND I
P2007; MEAN=-1.585E+03; V2PP= 1.216E+04
MR Edg.@19.80mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

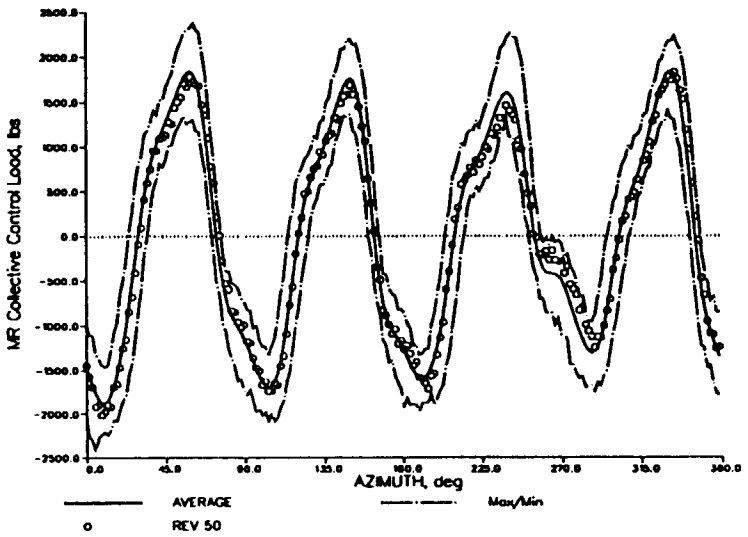

LYNX FLT497, COND I
P2207; MEAN=-1.419E+03; 1/2PP= 9.709E+03
MR Edg.@.3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND I
P2607; MEAN=-5.918E+03; 1/2PP= 3.635E+03
MR Edg.@.5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

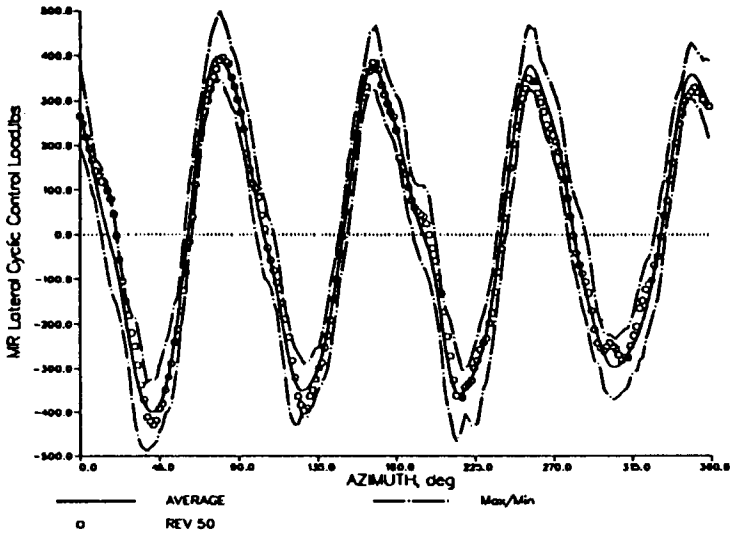

LYNX FLT497, COND I
P2407; MEAN=-5.048E+03; 1/2PP= 7.552E+03
MR Edg.@.4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT497, COND I
P3107; MEAN= 5.496E+02; 1/2PP= 1.421E+03
MR Log Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

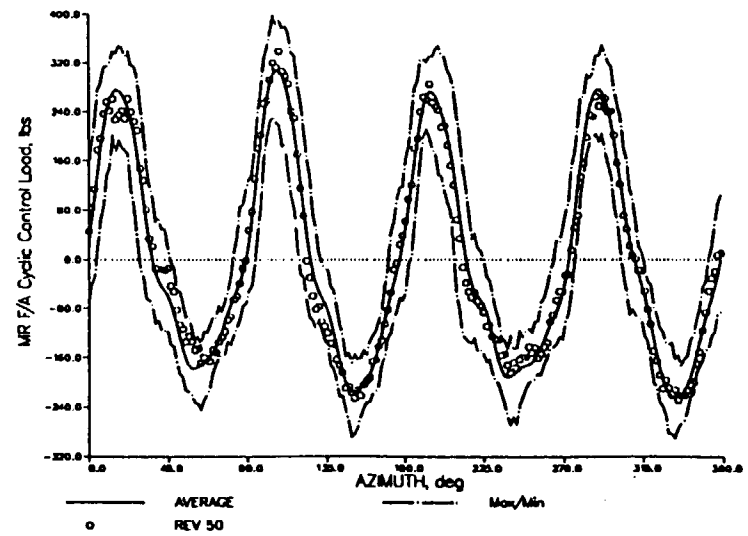
LYNX FLT497, COND I
P2807; MEAN=-2.531E+03; V2PP= 1.879E+03



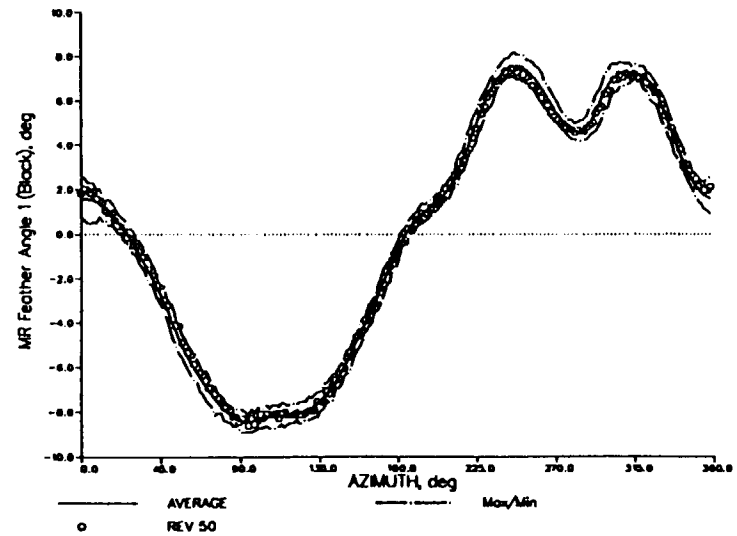
LYNX FLT497, COND I
P3207; MEAN=-3.084E+02; V2PP= 4.091E+02

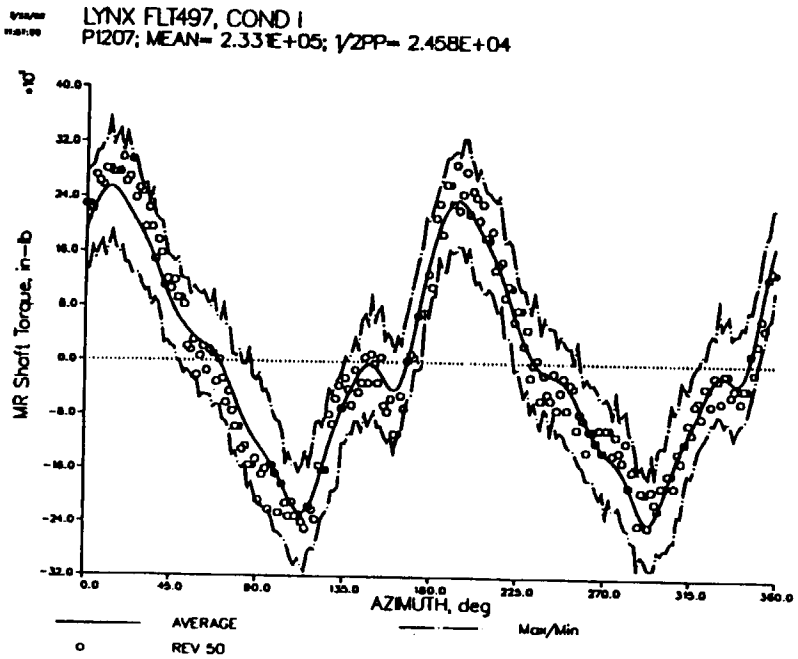


LYNX FLT497, COND I
P2907; MEAN= 1.714E+02; V2PP= 2.706E+02

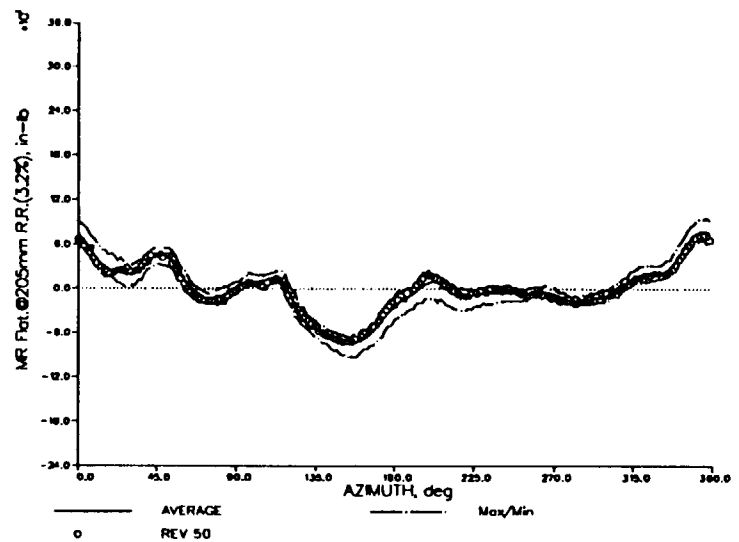


LYNX FLT497, COND I
P3007; MEAN= 1.836E+01; V2PP= 8.044E+00

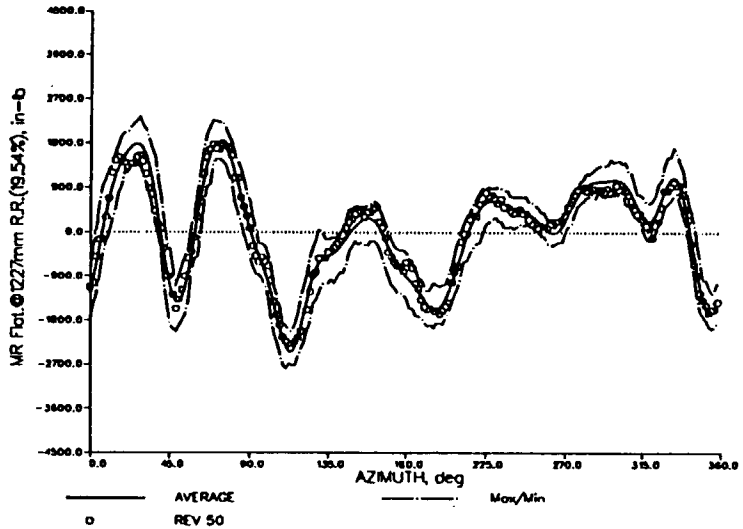



LYNX FLT497, COND I
P1207; MEAN= 2.331E+05; 1/2PP= 2.458E+04
MR Shaft Torque, in-lb
40.0
32.0
24.0
16.0
8.0
0.0
-8.0
-16.0
-24.0
-32.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

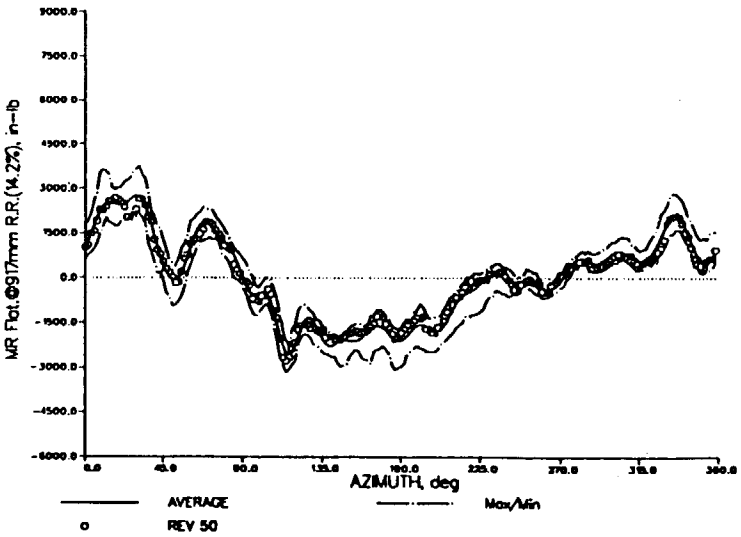
LYNX FLT499, COND B
P130†; MEAN= 1.457E+04; √2PP= 7.787E+03



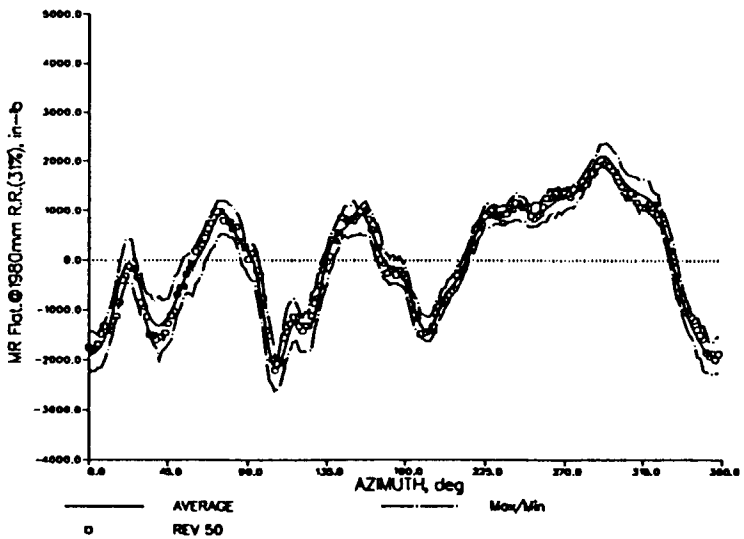
LYNX FLT499, COND B
P170†; MEAN= 1.441E+04; √2PP= 2.091E+03



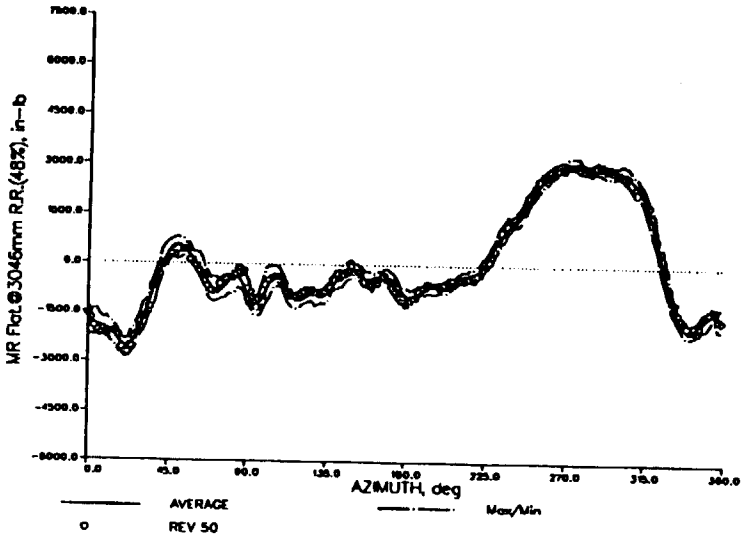
LYNX FLT499, COND B
P150†; MEAN= 1.517E+04; √2PP= 2.766E+03



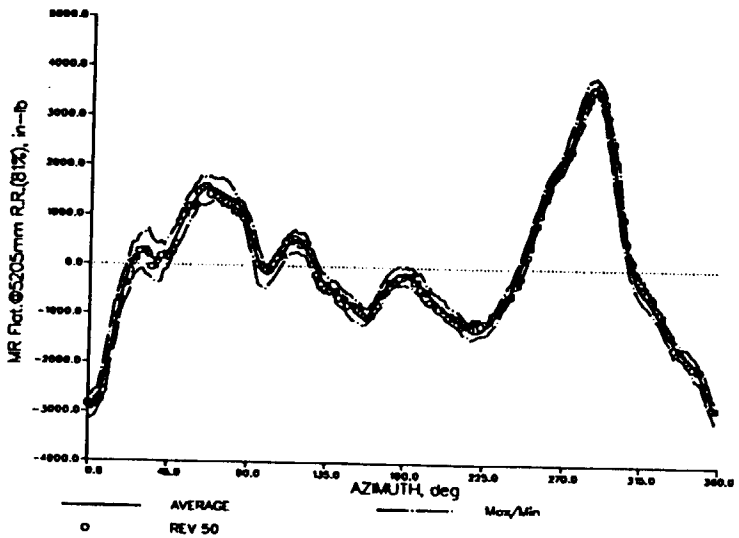
LYNX FLT499, COND B
P190†; MEAN= 1.031E+04; √2PP= 2.212E+03



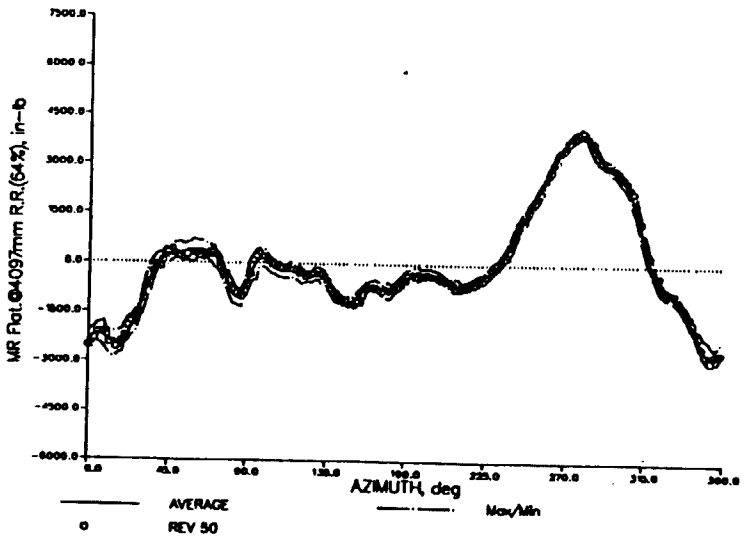
LYNX FLT499, COND B
P210t; MEAN= 4.005E+03; 1/2PP= 2.857E+03



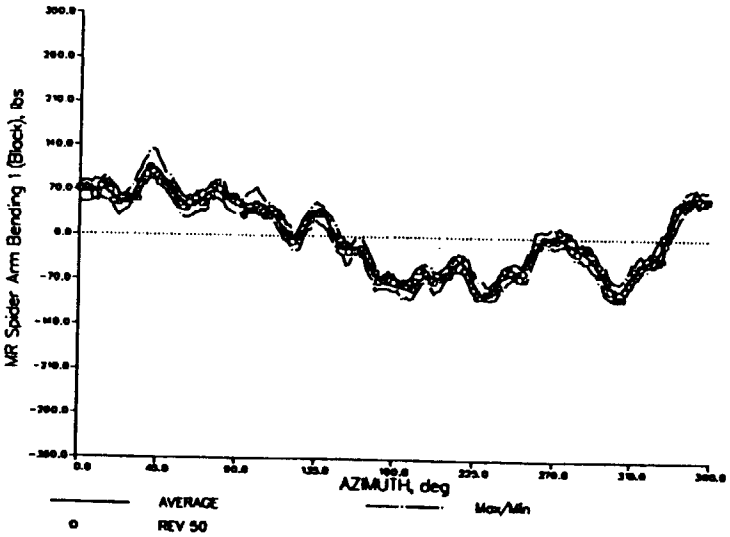
LYNX FLT499, COND B
P250t; MEAN=-3.463E+03; 1/2PP= 3.334E+03

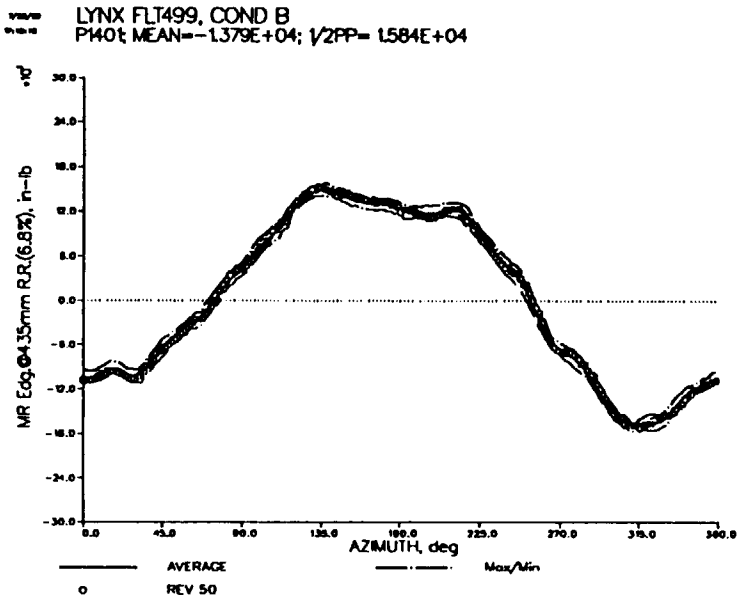


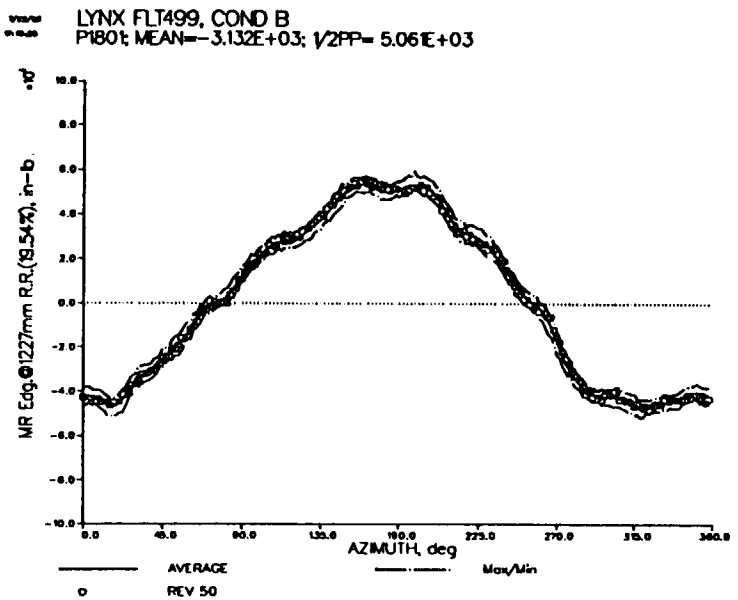
LYNX FLT499, COND B
P230t; MEAN=-2.545E+02; 1/2PP= 3.365E+03

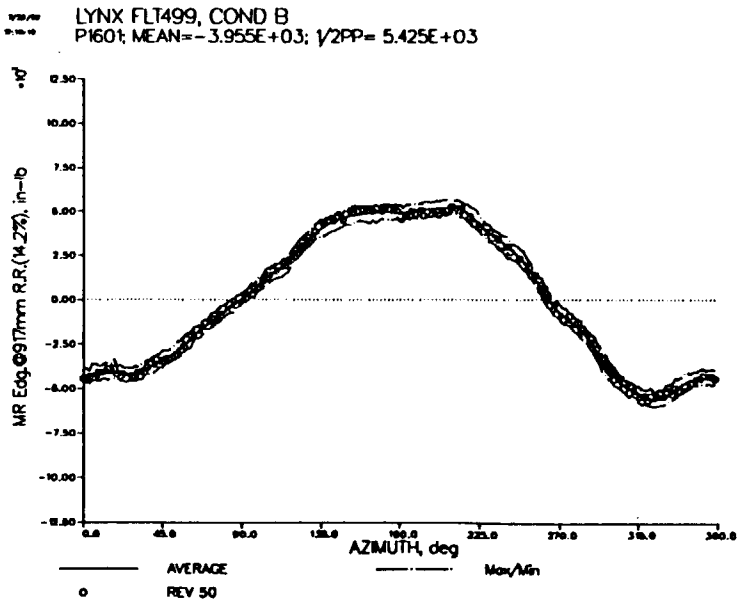


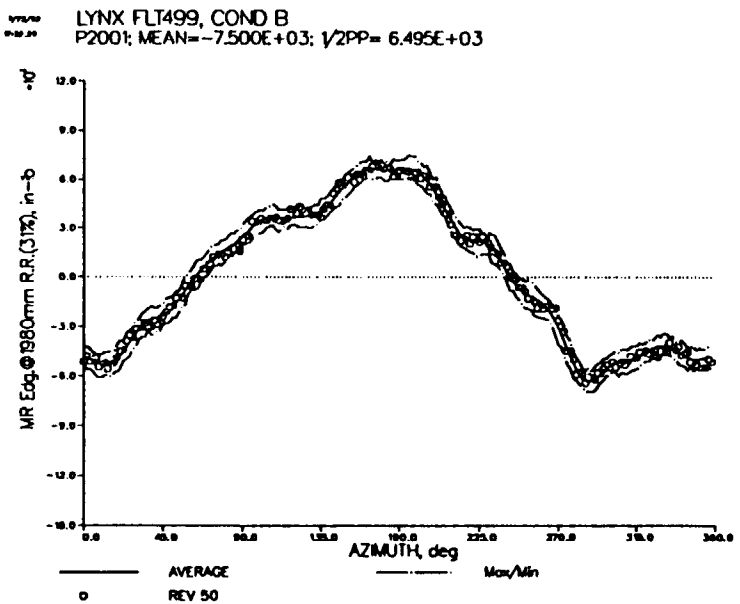
LYNX FLT499, COND B
P330t; MEAN=-1.281E+01; 1/2PP= 9.757E+01



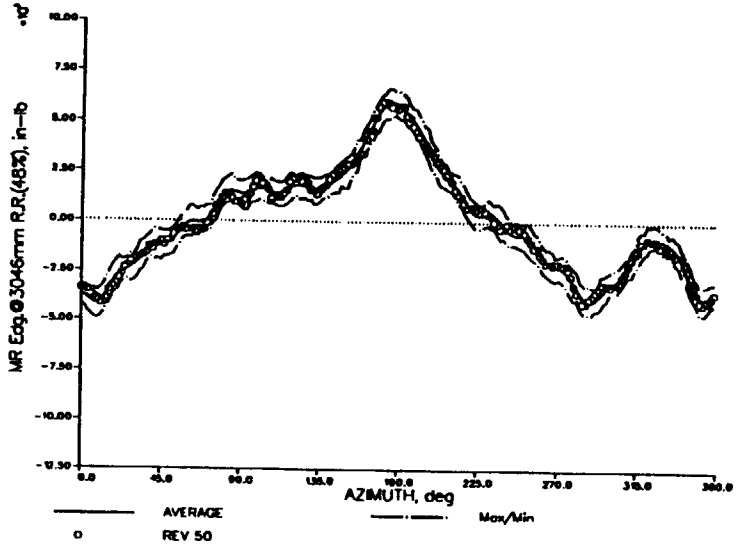

LYNX FLT499, COND B
P140t; MEAN=-1.379E+04; 1/2PP= 1.584E+04
MR Eqg.@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT499, COND B
P180t; MEAN=-3.132E+03; 1/2PP= 5.061E+03
MR Eqg.@12.27mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

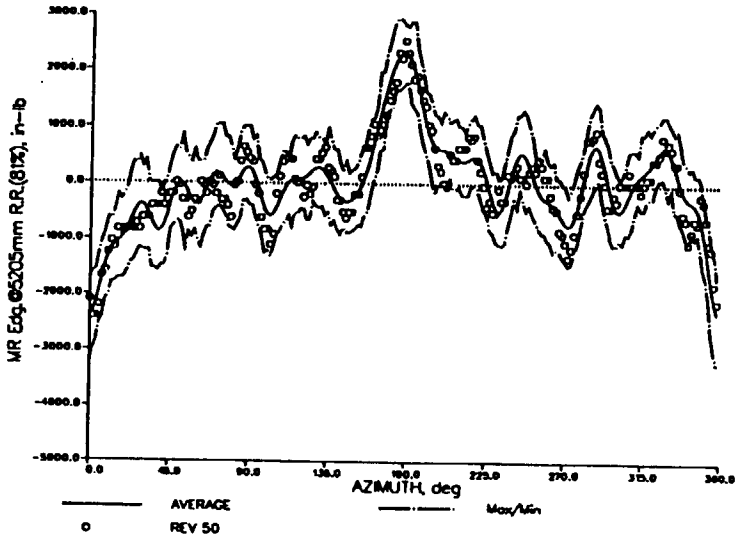

LYNX FLT499, COND B
P160t; MEAN=-3.955E+03; 1/2PP= 5.425E+03
MR Eqg.@9.17mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT499, COND B
P200t; MEAN=-7.500E+03; 1/2PP= 6.495E+03
MR Eqg.@19.80mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

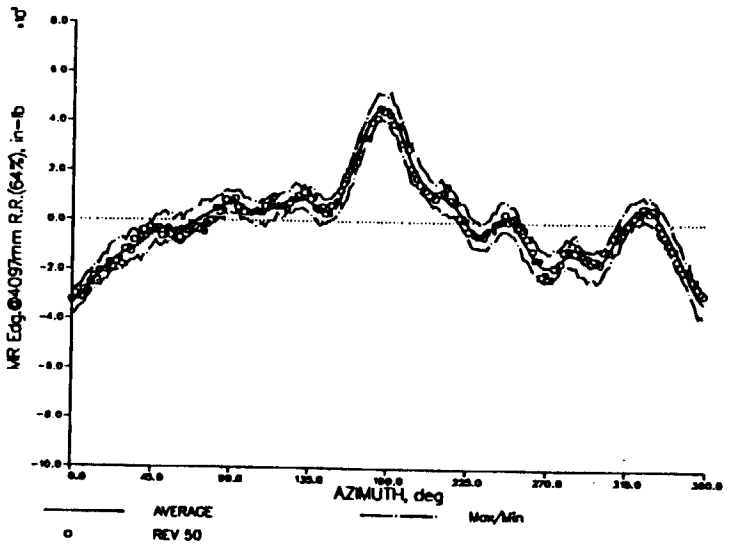
LYNX FLT499, COND B
P220t; MEAN=−4.362E+03; 1/2PP= 5.090E+03



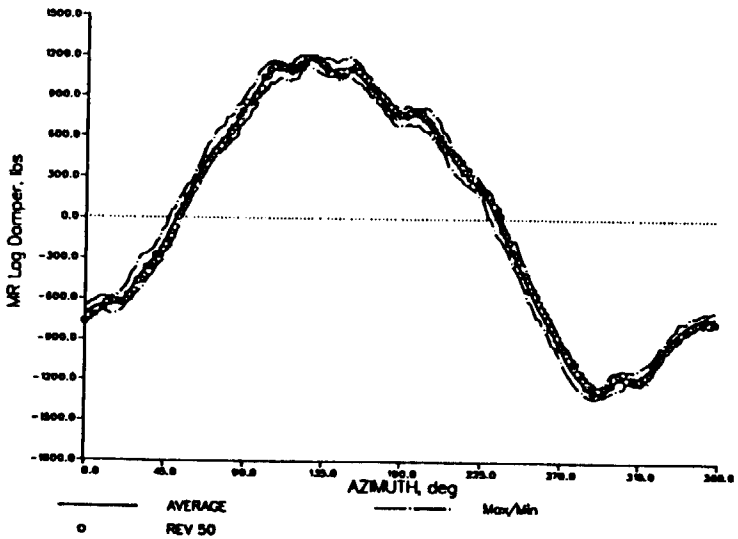
LYNX FLT499, COND B
P260t; MEAN=−7.068E+03; 1/2PP= 2.340E+03



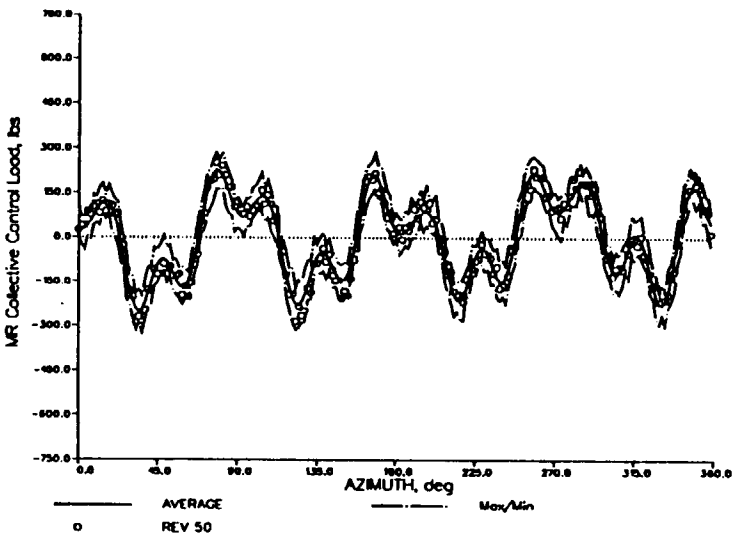
LYNX FLT499, COND B
P240t; MEAN=−7.382E+03; 1/2PP= 3.930E+03



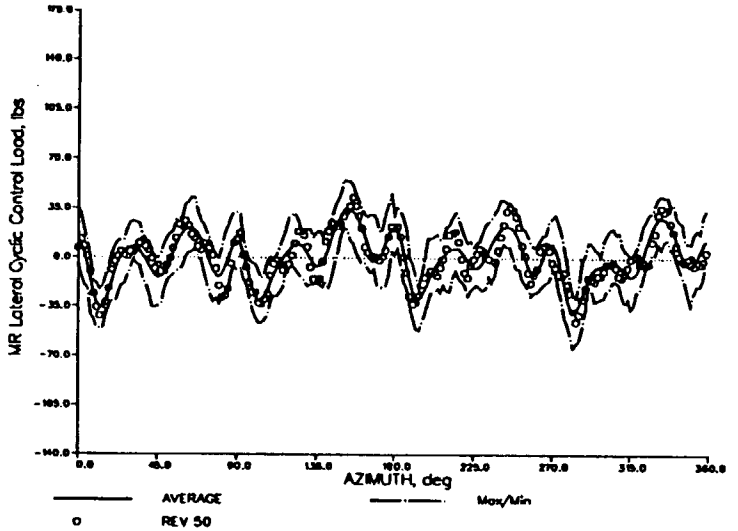
LYNX FLT499, COND B
P310t; MEAN= 4.506E+02; 1/2PP= 1.234E+03



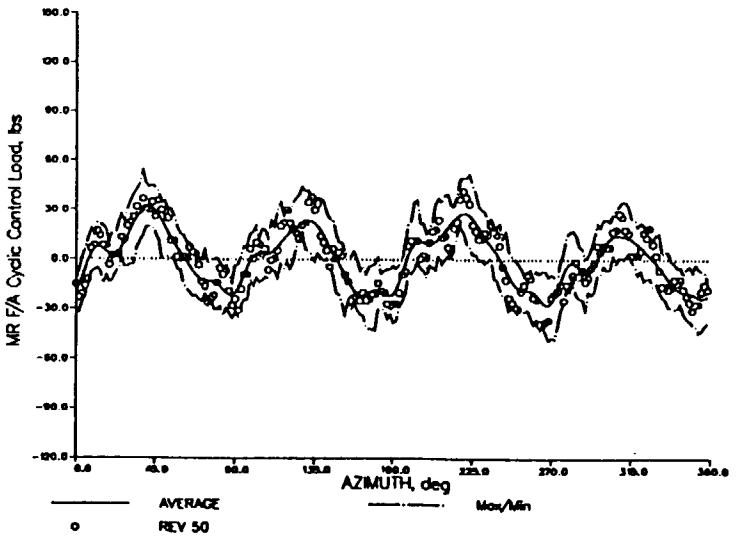
LYNX FLT499, COND B
P280t; MEAN=-7.421E+02; 1/2PP= 2.461E+02



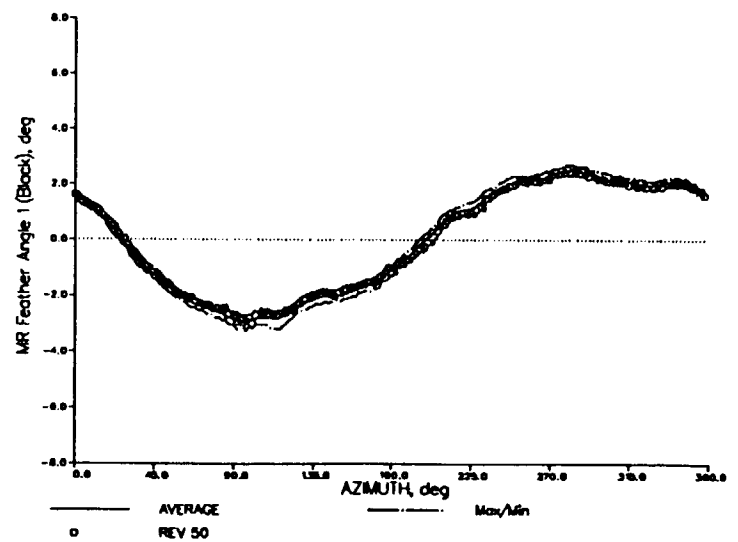
LYNX FLT499, COND B
P320t; MEAN=-8.387E+01; 1/2PP= 4.240E+01

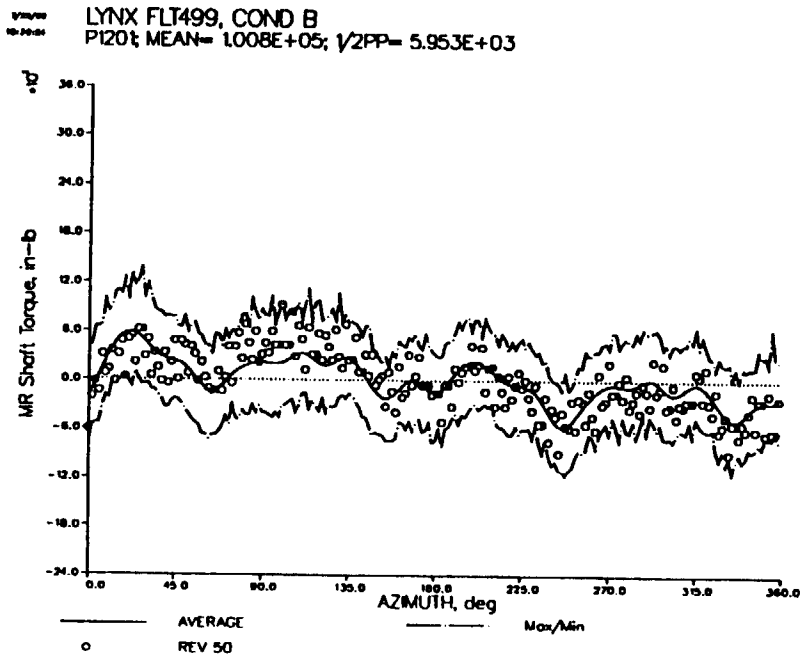


LYNX FLT499, COND B
P290t; MEAN= 1.834E+01; 1/2PP= 3.068E+01

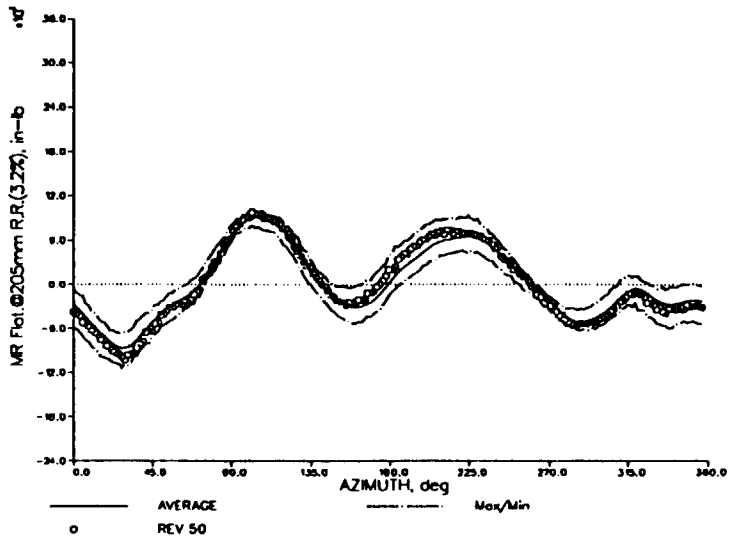


LYNX FLT499, COND B
P300t; MEAN= 1.041E+01; 1/2PP= 2.749E+00

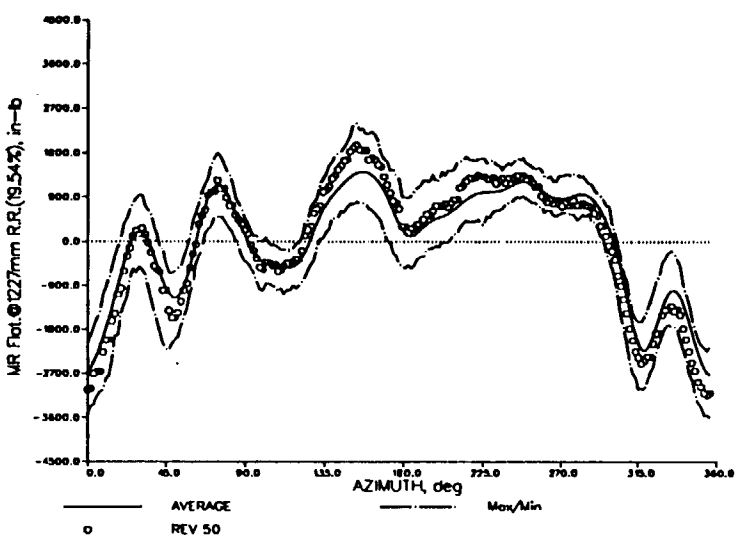



LYNX FLT499, COND B
P120t MEAN= 1.008E+05; 1/2PP= 5.953E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

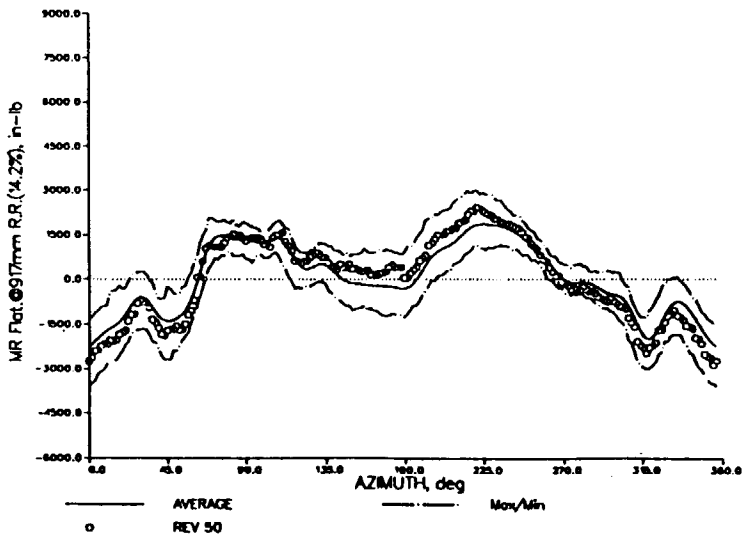
LYNX FLT499, COND D
P1302; MEAN= 1.623E+04; √2PP= 8.909E+03



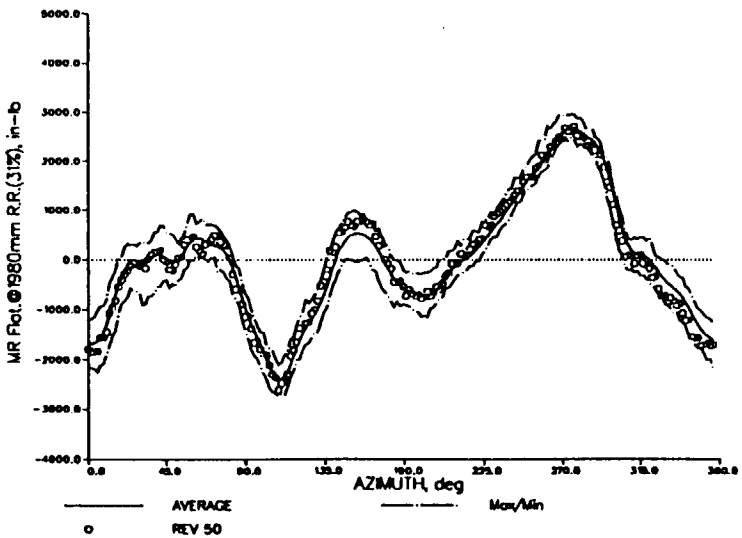
LYNX FLT499, COND D
P1702; MEAN= 1.493E+04; √2PP= 2.080E+03



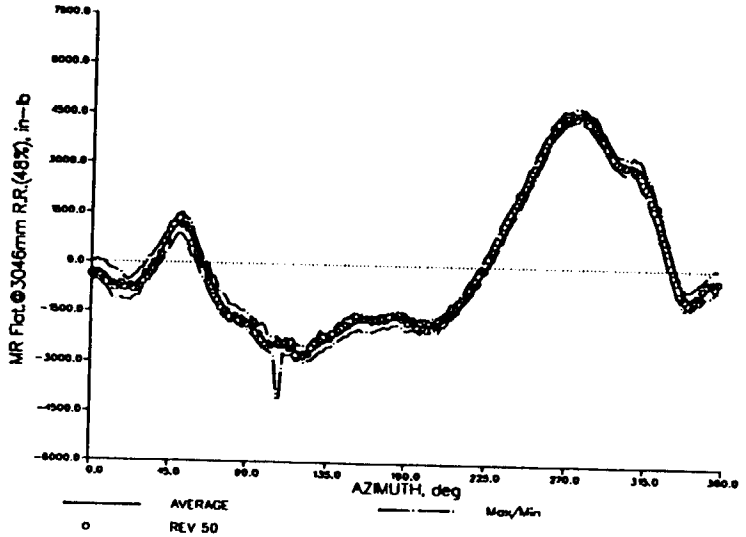
LYNX FLT499, COND D
P1502; MEAN= 1.538E+04; √2PP= 2.055E+03



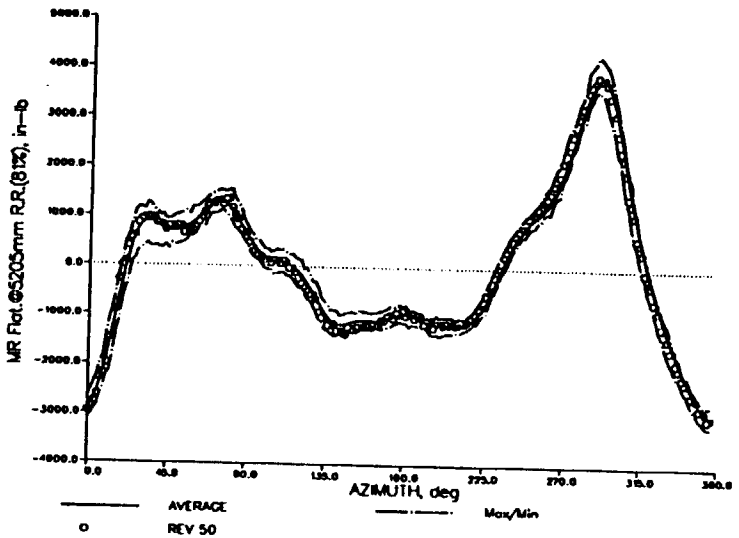
LYNX FLT499, COND D
P1902; MEAN= 1.081E+04; √2PP= 2.543E+03



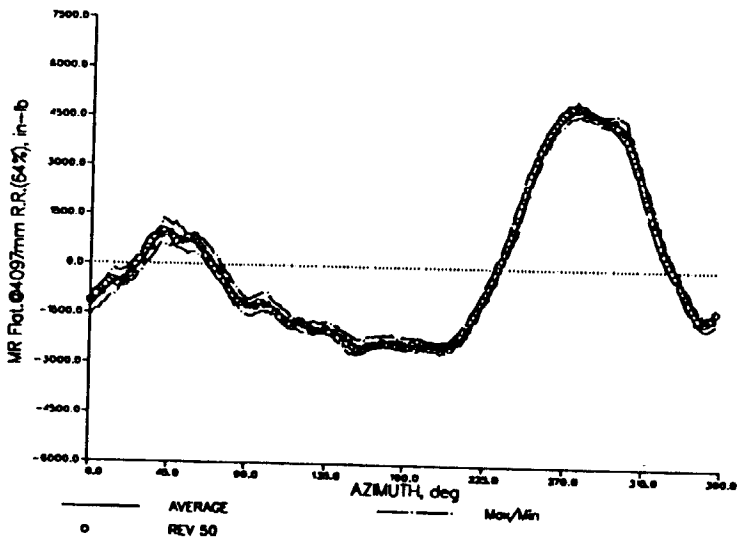
LYNX FLT499, COND D
P2102; MEAN= 4.406E+03; 1/2PP= 3.653E+03



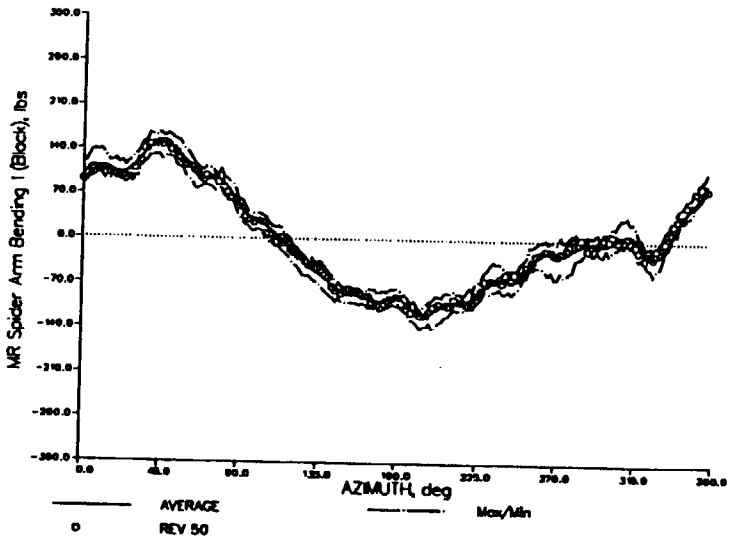
LYNX FLT499, COND D
P2502; MEAN=-3.730E+03; 1/2PP= 3.414E+03



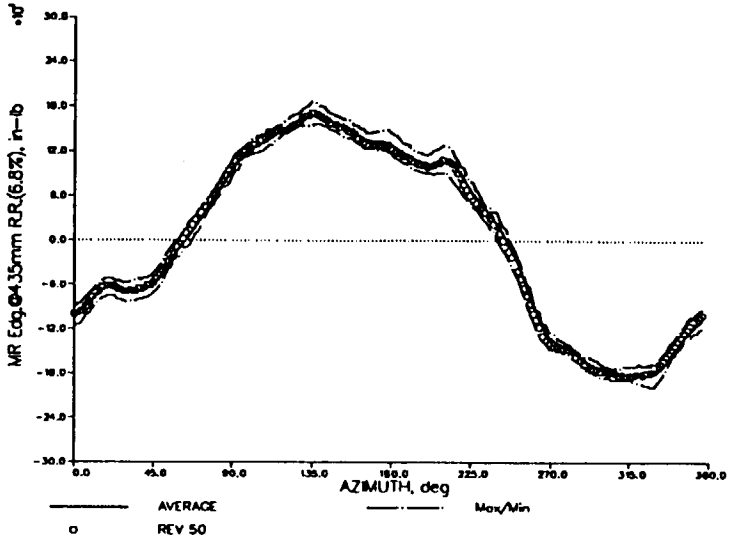
LYNX FLT499, COND D
P2302; MEAN=-2.977E+02; 1/2PP= 3.626E+03



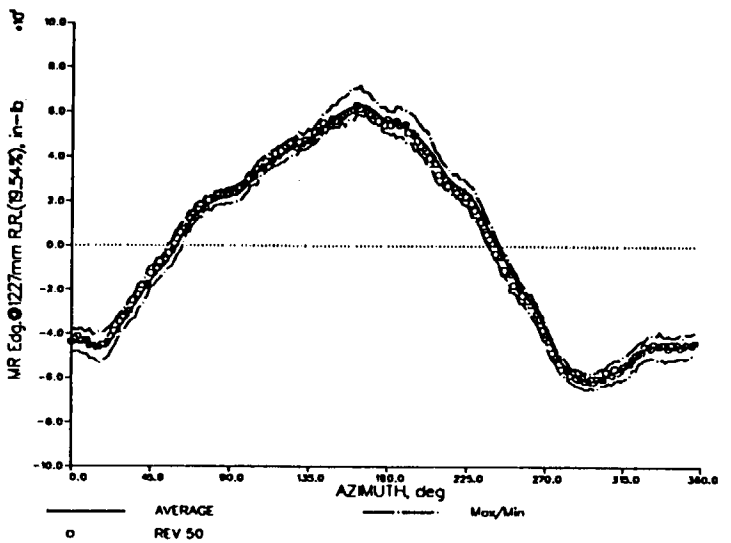
LYNX FLT499, COND D
P3302; MEAN=-3.561E+01; 1/2PP= 1.348E+02



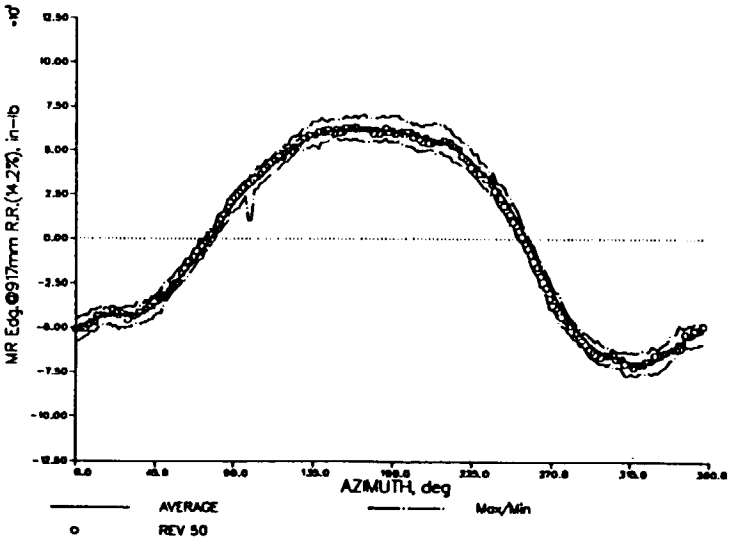
LYNX FLT499, COND D
P1402: MEAN=−7.975E+03; 1/2PP= 1.756E+04



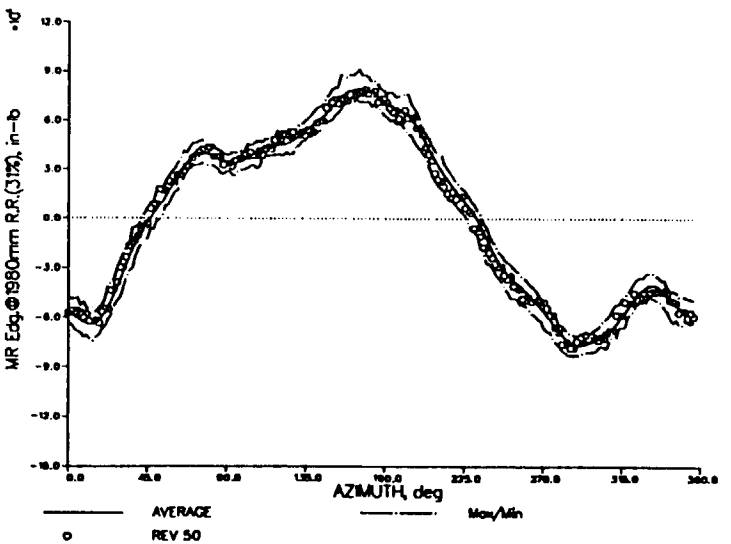
LYNX FLT499, COND D
P1802: MEAN=−1.424E+03; 1/2PP= 6.224E+03

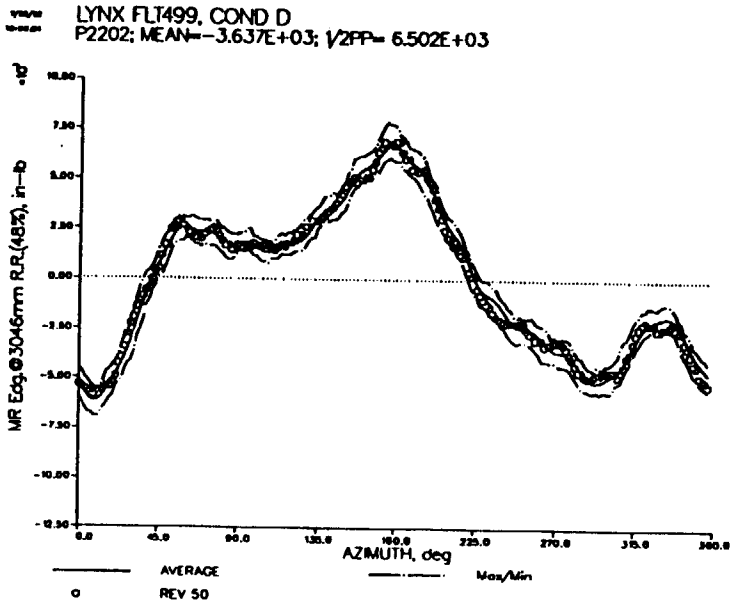


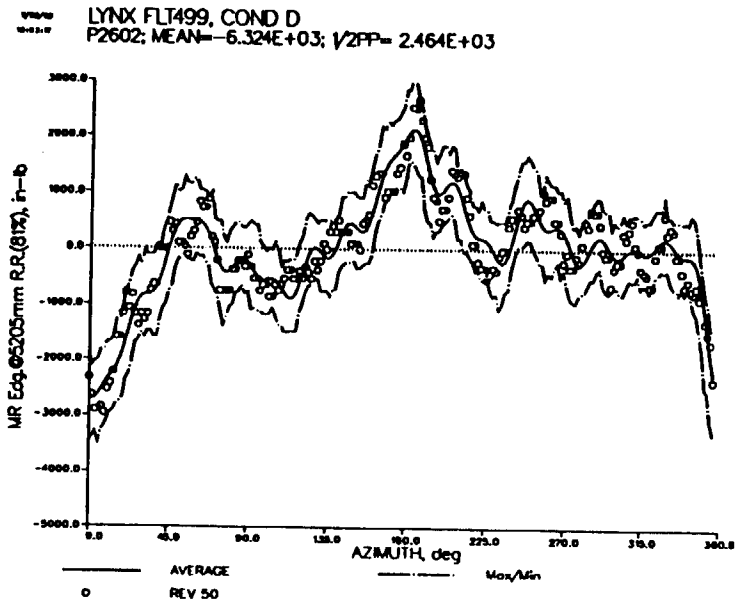
LYNX FLT499, COND D
P1602: MEAN=−1.088E+03; 1/2PP= 6.599E+03

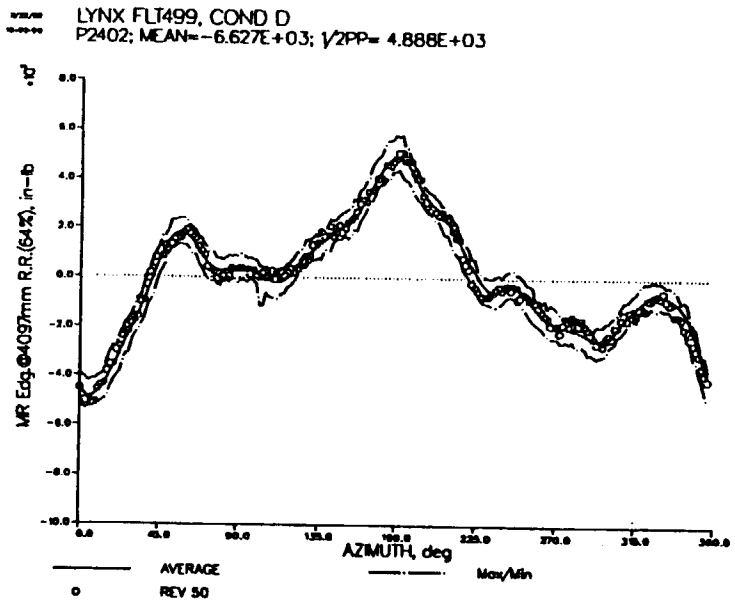


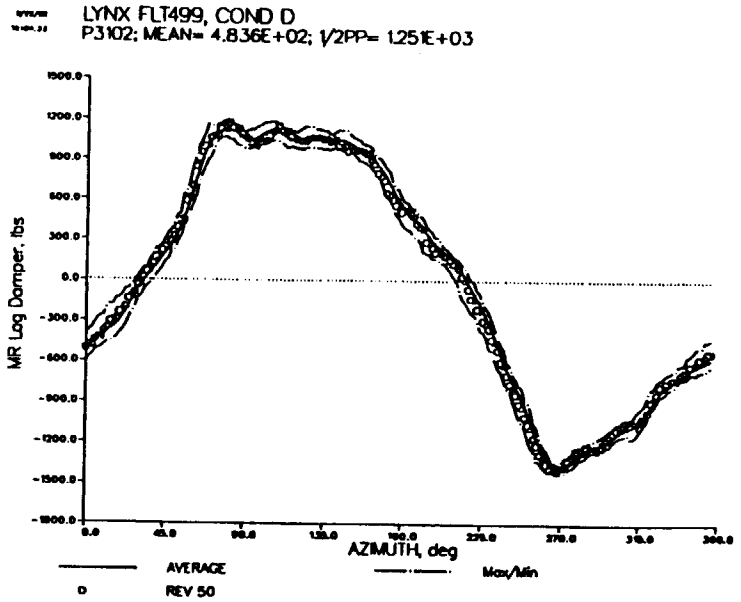
LYNX FLT499, COND D
P2002: MEAN=−6.136E+03; 1/2PP= 7.810E+03



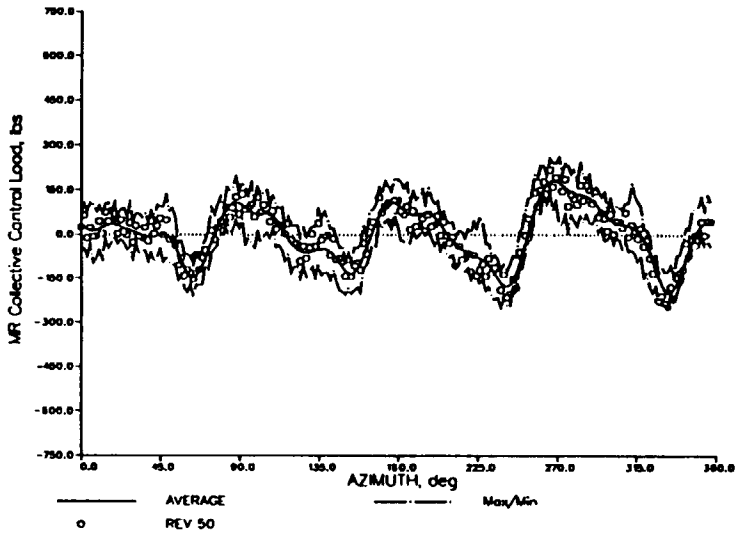

LYNX FLT499, COND D
P2202; MEAN=-3.637E+03; V2PP= 6.502E+03
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT499, COND D
P2602; MEAN=-6.324E+03; V2PP= 2.464E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

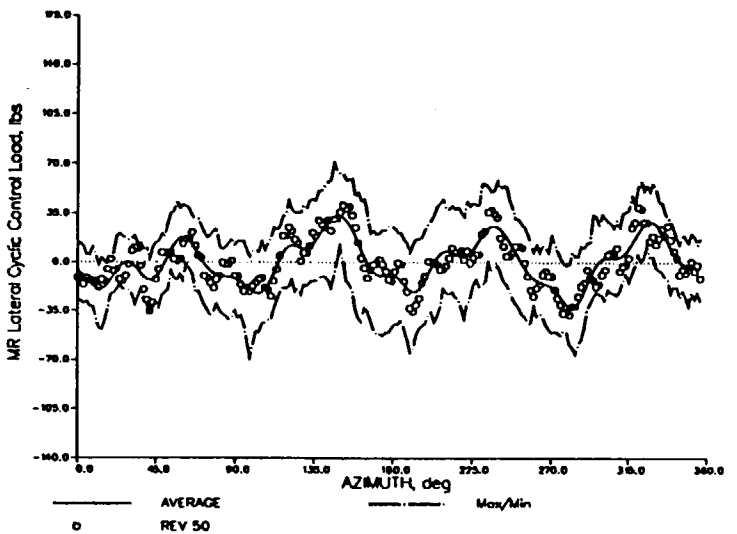

LYNX FLT499, COND D
P2402; MEAN=-6.627E+03; V2PP= 4.888E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT499, COND D
P3102; MEAN= 4.836E+02; V2PP= 1.251E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

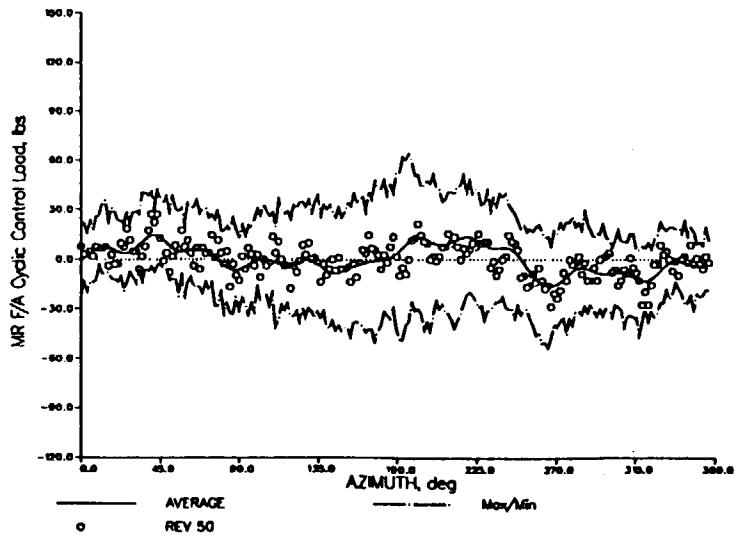
LYNX FLT499, COND D
P2802; MEAN=−9.828E+02; 1/2PP= 2.083E+02



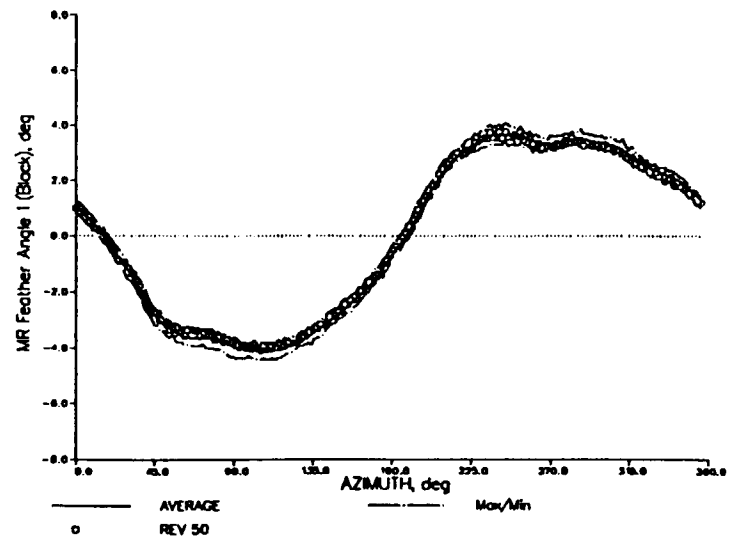
LYNX FLT499, COND D
P3202; MEAN=−1.325E+02; 1/2PP= 3.280E+01

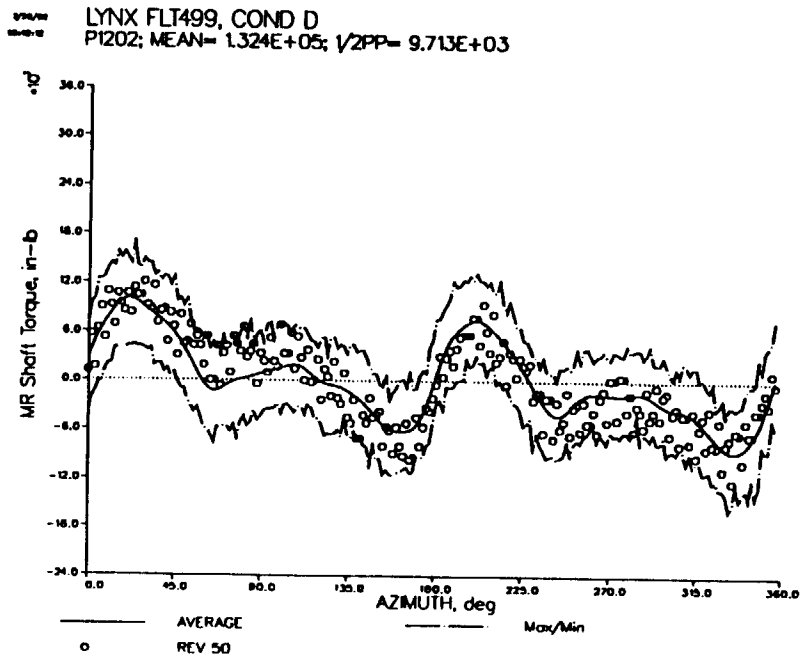


LYNX FLT499, COND D
P2902; MEAN= 1.801E+00; 1/2PP= 1.657E+01

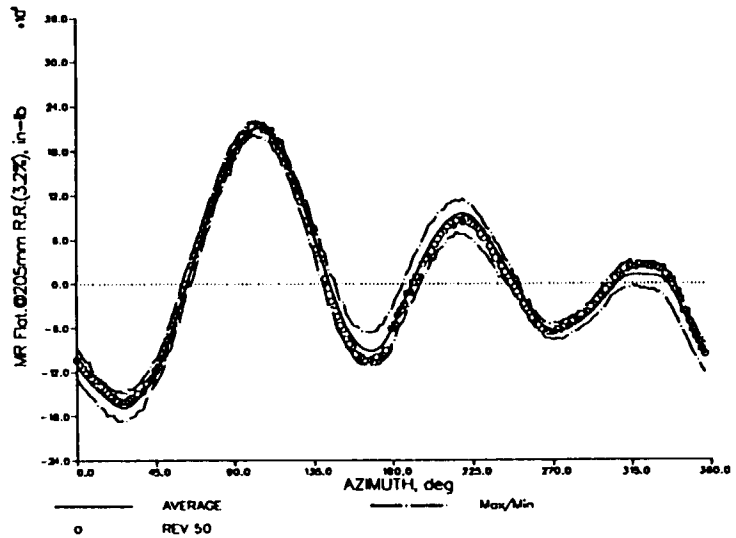


LYNX FLT499, COND D
P3002; MEAN= 1.277E+01; 1/2PP= 3.929E+00

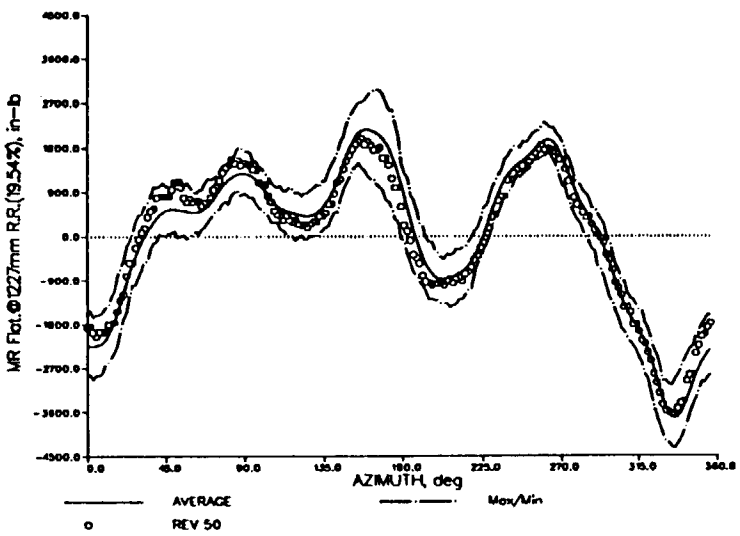



LYNX FLT499, COND D
P1202; MEAN= 1.324E+05; 1/2PP= 9.713E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

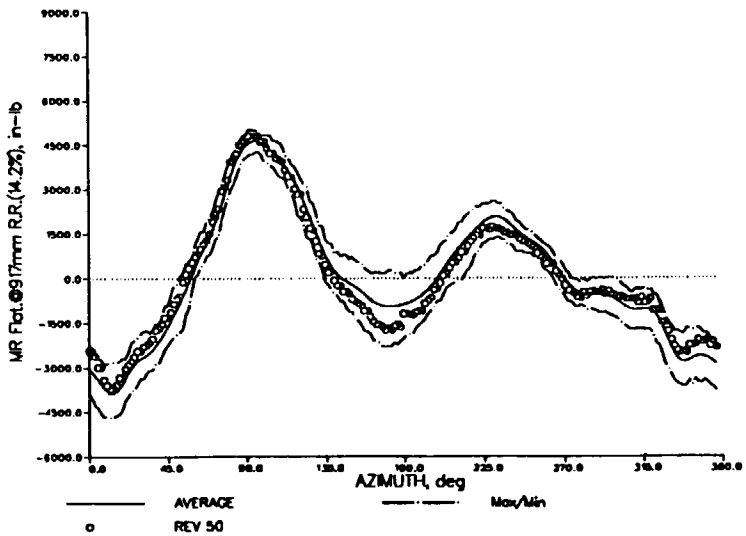
LYNX FLT499, COND F
P1303; MEAN= 1.691E+04; 1/2PP= 1.901E+04



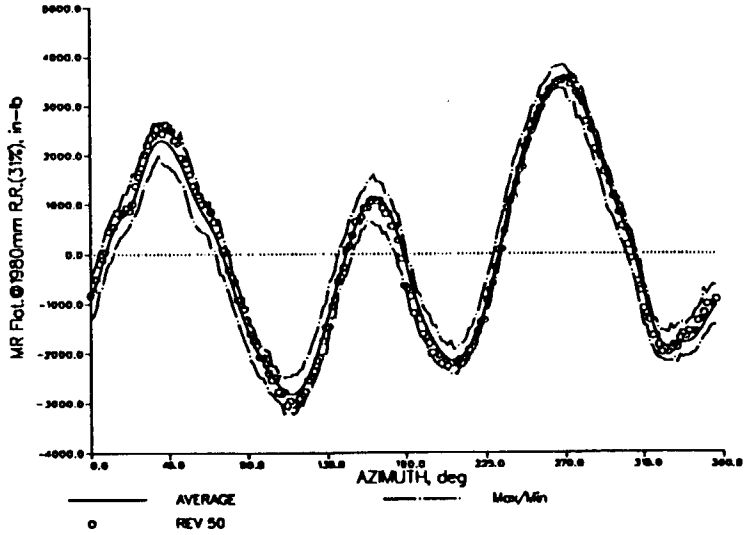
LYNX FLT499, COND F
P1703; MEAN= 1.551E+04; 1/2PP= 2.958E+03



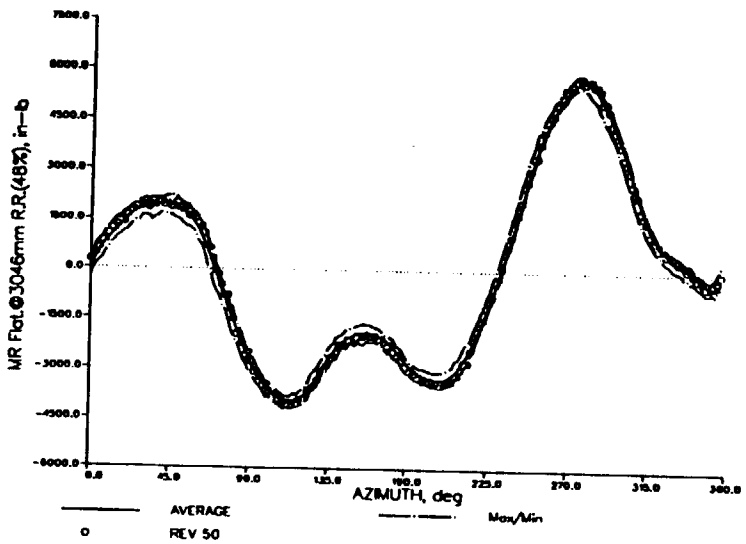
LYNX FLT499, COND F
P1503; MEAN= 1.533E+04; 1/2PP= 4.251E+03



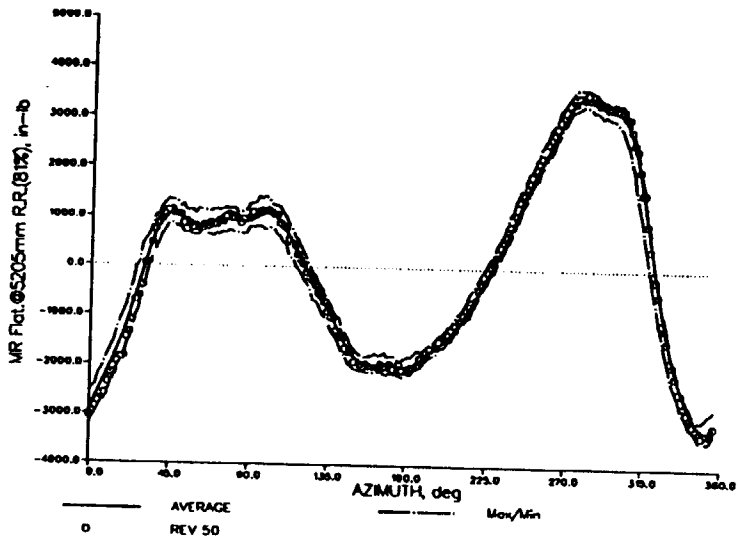
LYNX FLT499, COND F
P1903; MEAN= 1.149E+04; 1/2PP= 3.198E+03



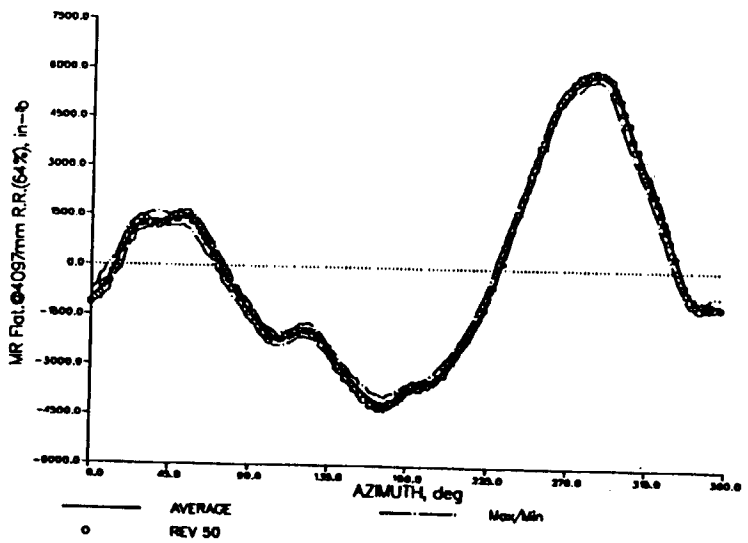
LYNX FLT499, COND F
P2103; MEAN= 4.888E+03; 1/2PP= 4.869E+03



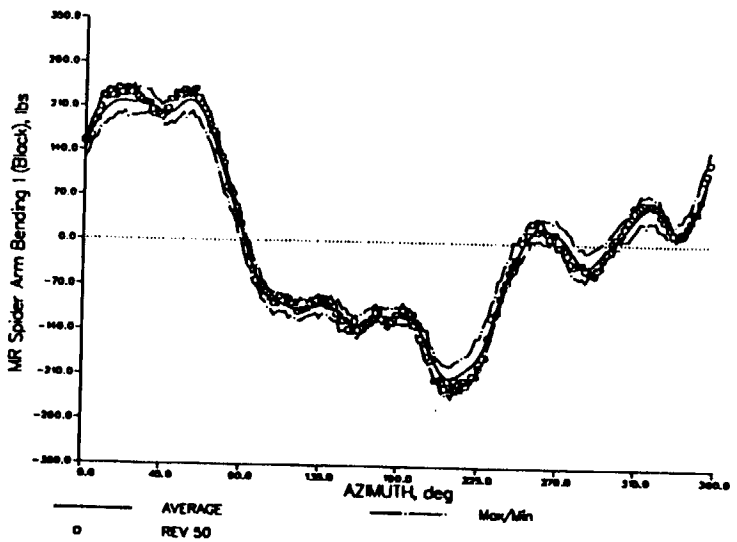
LYNX FLT499, COND F
P2503; MEAN=-3.737E+03; 1/2PP= 3.358E+03



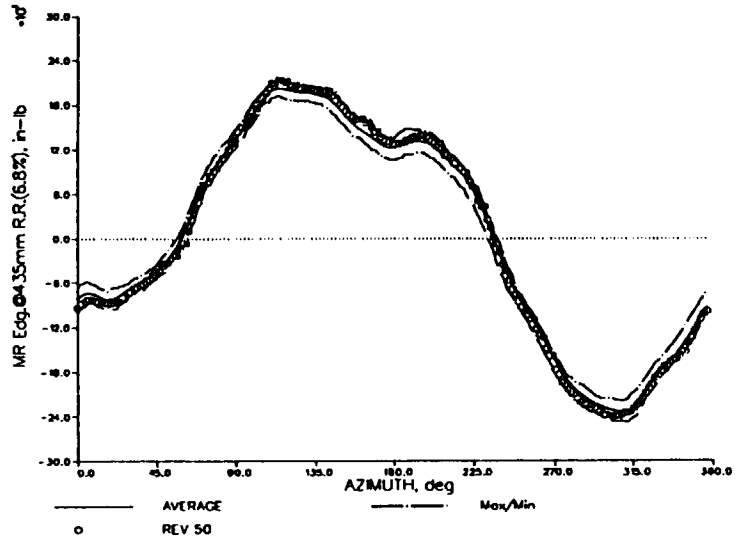
LYNX FLT499, COND F
P2303; MEAN=-7.527E+00; 1/2PP= 5.011E+03



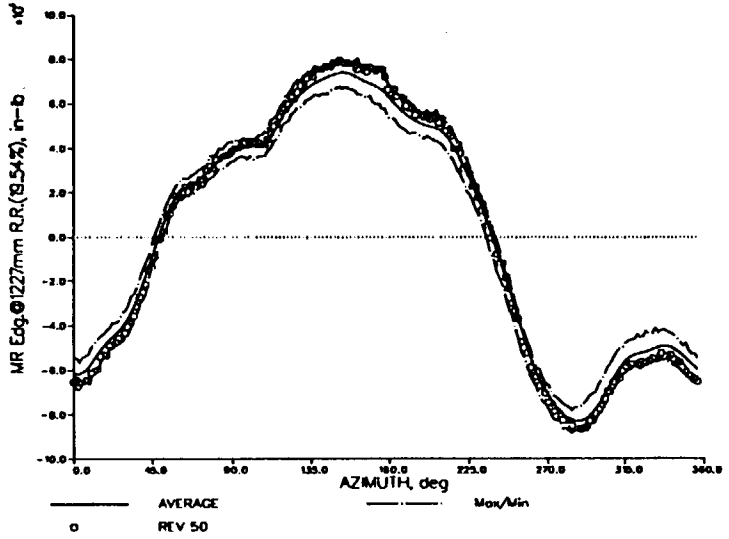
LYNX FLT499, COND F
P3303; MEAN=-5.956E+01; 1/2PP= 2.166E+02



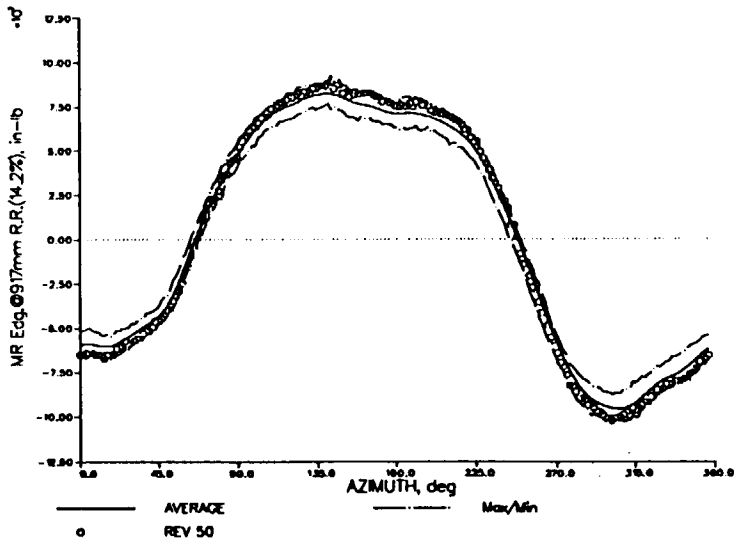
LYNX FLT499, COND F
P1403; MEAN= 9.767E+02; V2PP= 2.179E+04



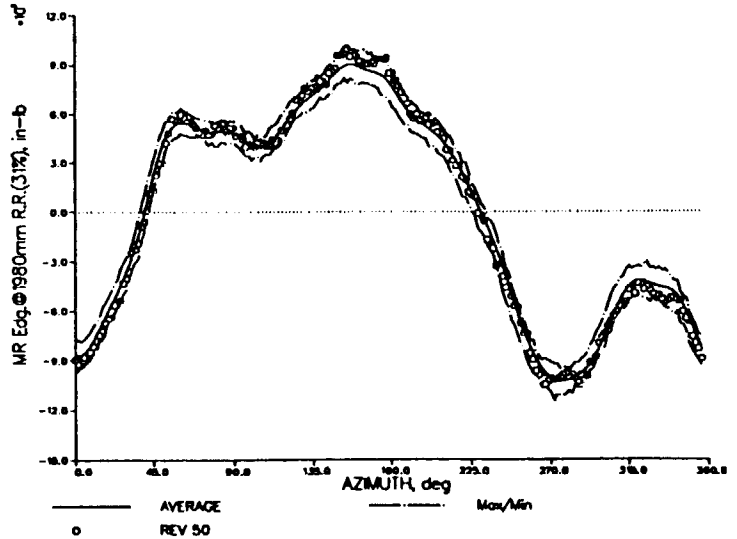
LYNX FLT499, COND F
P1803; MEAN= 1.722E+03; V2PP= 7.852E+03



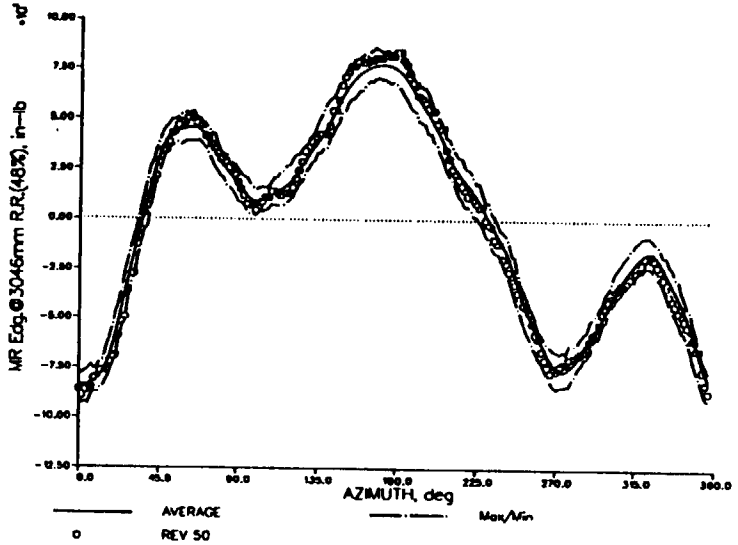
LYNX FLT499, COND F
P1603; MEAN= 3.739E+03; V2PP= 8.899E+03



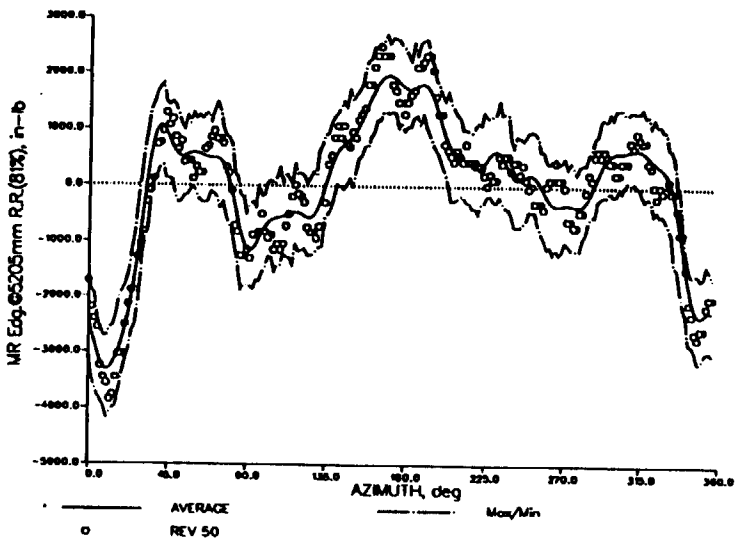
LYNX FLT499, COND F
P2003; MEAN=-3.677E+03; V2PP= 9.673E+03



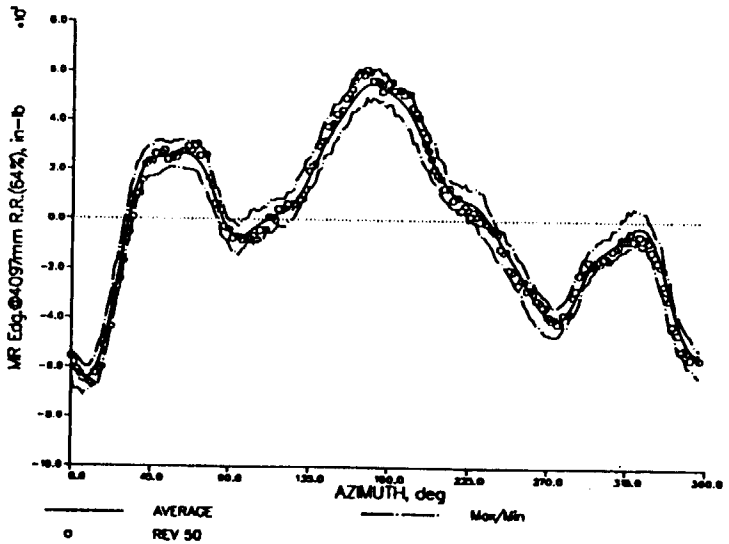
LYNX FLT499, COND F
P2203; MEAN=−2.258E+03; 1/2PP= 8.082E+03



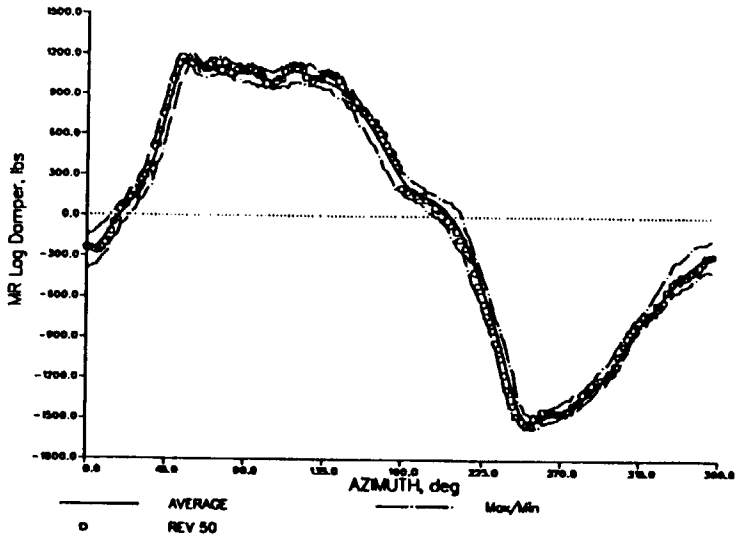
LYNX FLT499, COND F
P2603; MEAN=−5.869E+03; 1/2PP= 2.666E+03



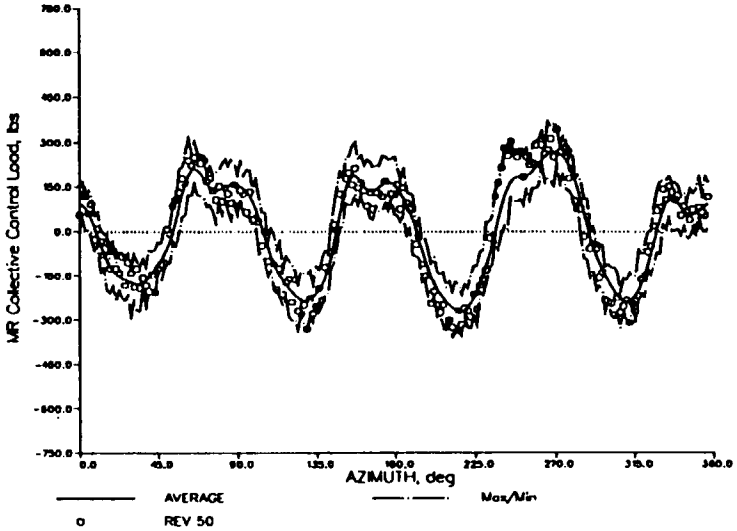
LYNX FLT499, COND F
P2403; MEAN=−5.862E+03; 1/2PP= 5.966E+03



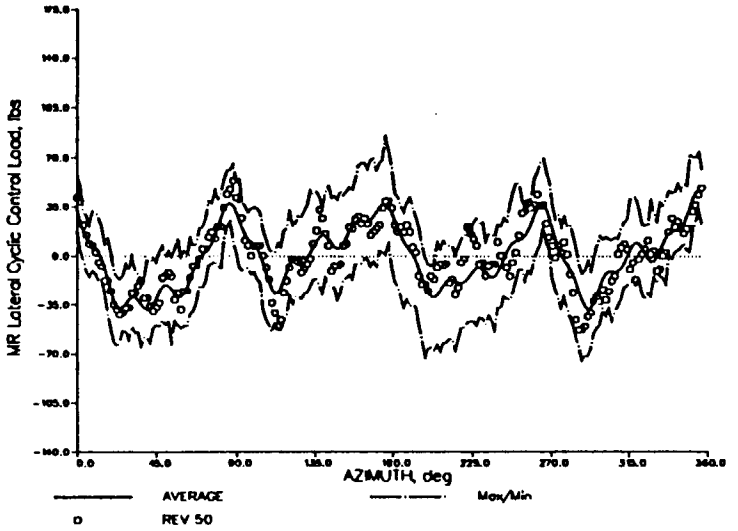
LYNX FLT499, COND F
P3103; MEAN= 5.417E+02; 1/2PP= 1.343E+03



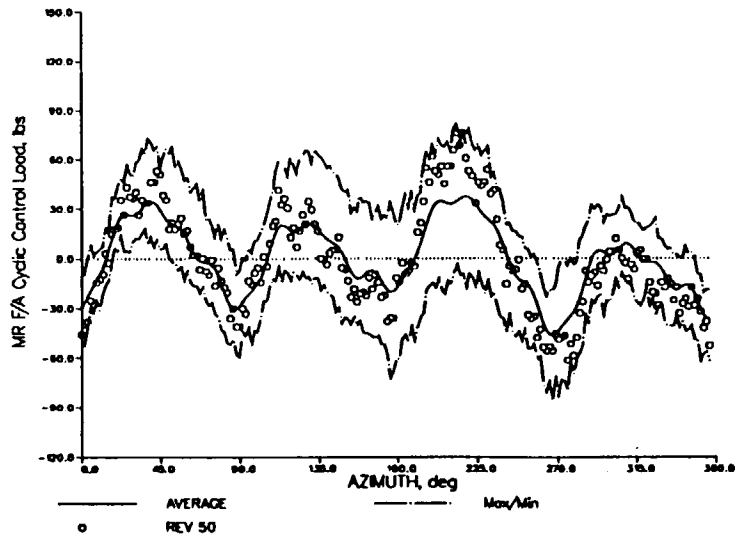
LYNX FLT499, COND F
P2803; MEAN=−1.304E+03; 1/2PP= 2.920E+02



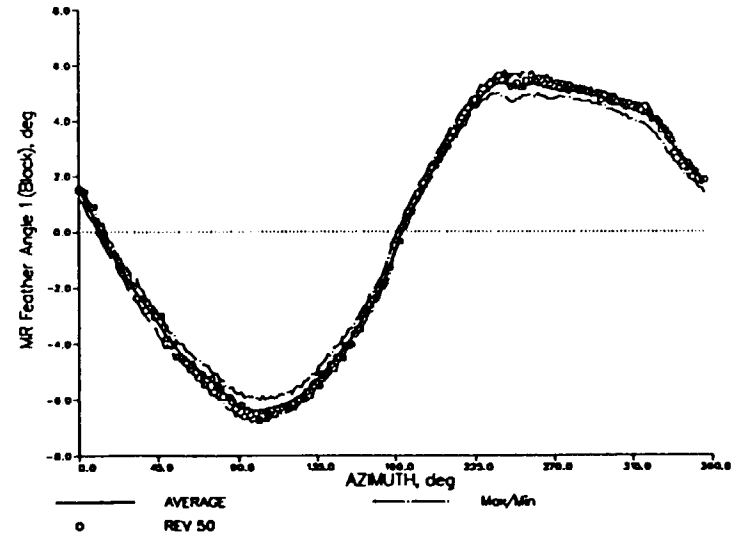
LYNX FLT499, COND F
P3203; MEAN=−2.112E+02; 1/2PP= 4.580E+01

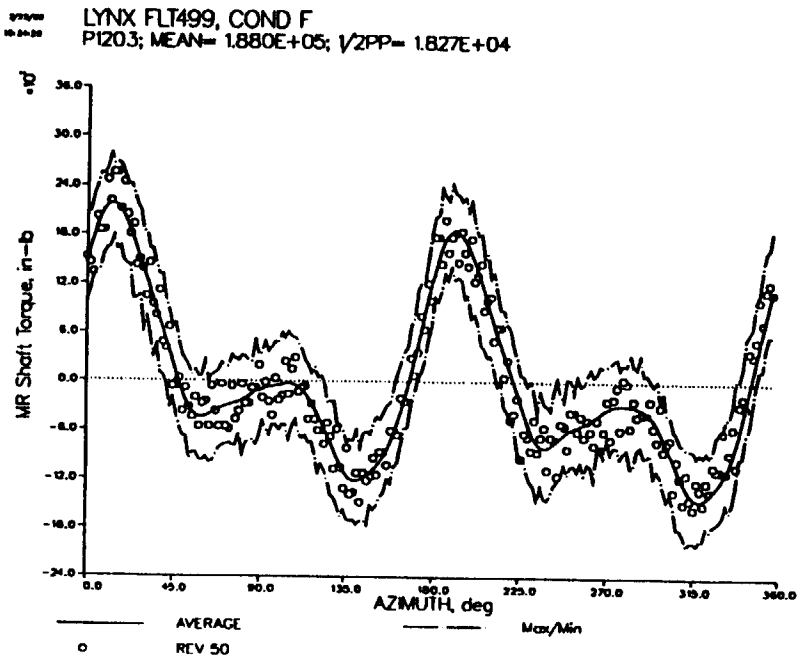


LYNX FLT499, COND F
P2903; MEAN=−2.056E+01; 1/2PP= 4.533E+01

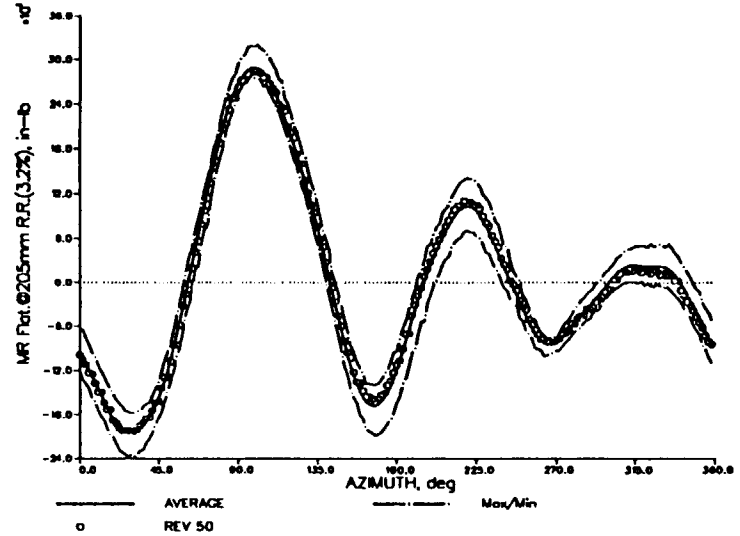


LYNX FLT499, COND F
P3003; MEAN= 1.583E+01; 1/2PP= 5.886E+00

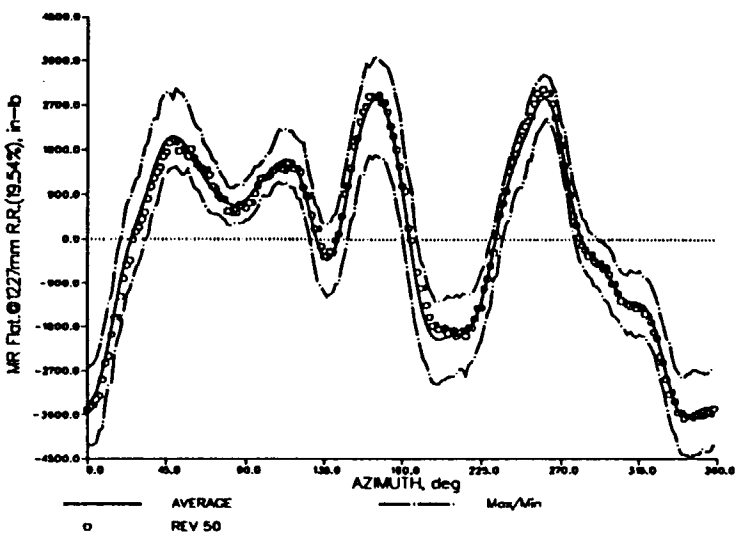



LYNX FLT499, COND F
P120.3; MEAN= 1.880E+05; V2PP= 1.827E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

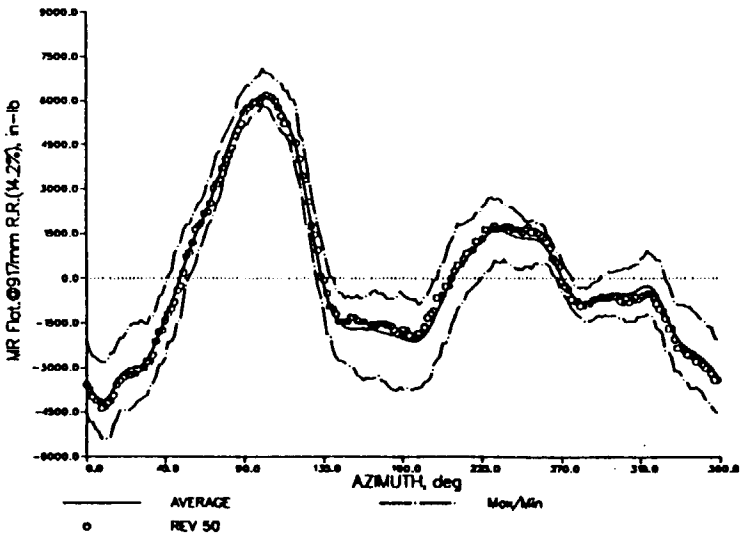
LYNX FLT499, COND G
P1304; MEAN= 1.688E+04; 1/2PP= 2.468E+04



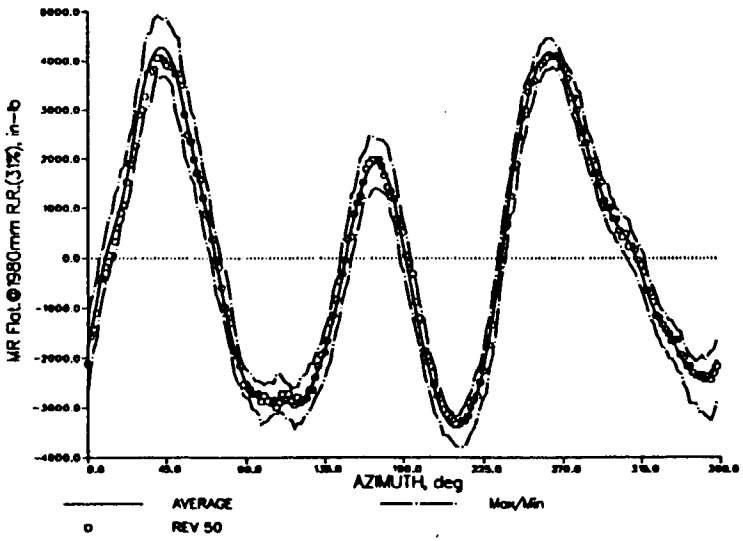
LYNX FLT499, COND G
P1704; MEAN= 1.567E+04; 1/2PP= 3.249E+03

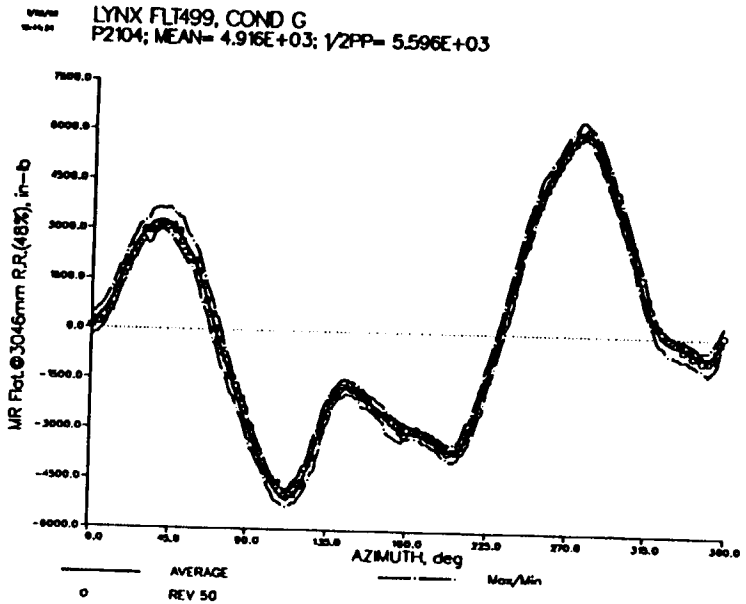


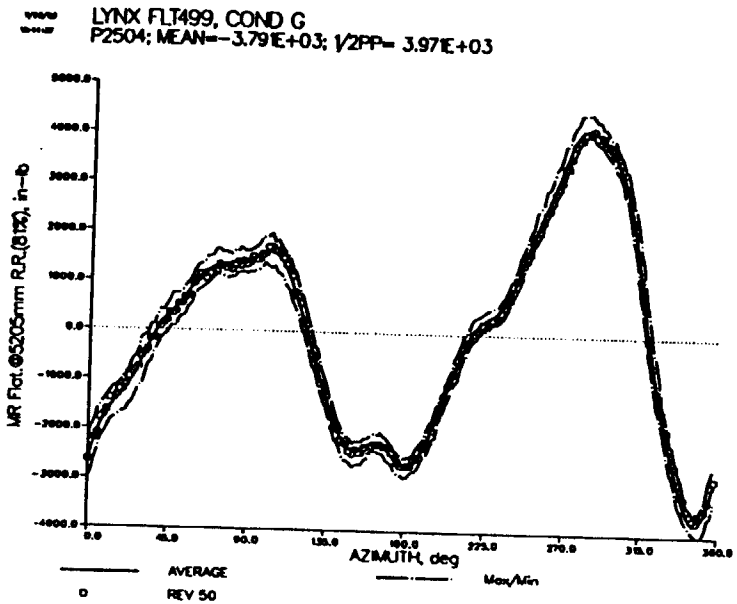
LYNX FLT499, COND G
P1504; MEAN= 1.521E+04; 1/2PP= 5.185E+03

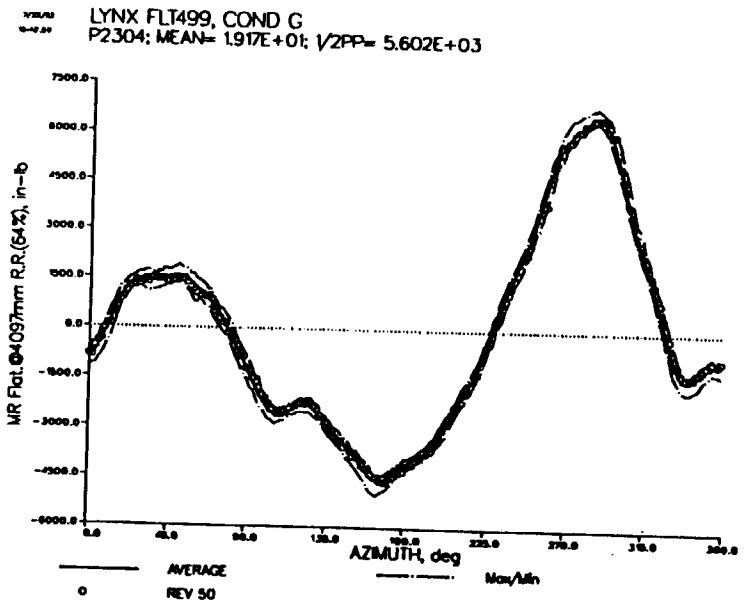


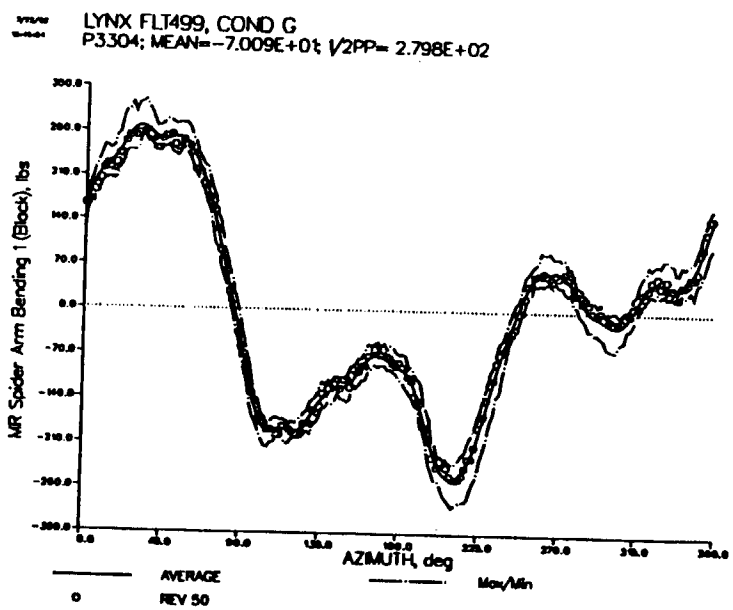
LYNX FLT499, COND G
P1904; MEAN= 1.160E+04; 1/2PP= 3.859E+03



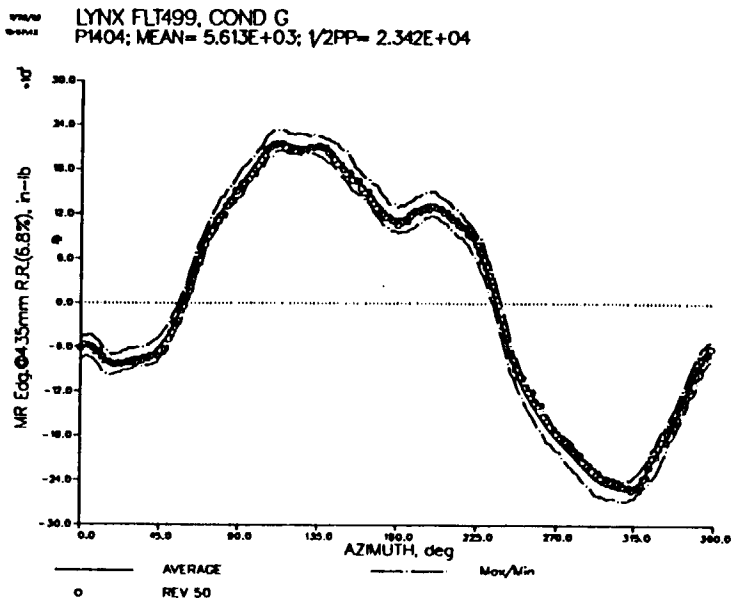

LYNX FLT499, COND G
P2104; MEAN= 4.916E+03; V2PP= 5.596E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

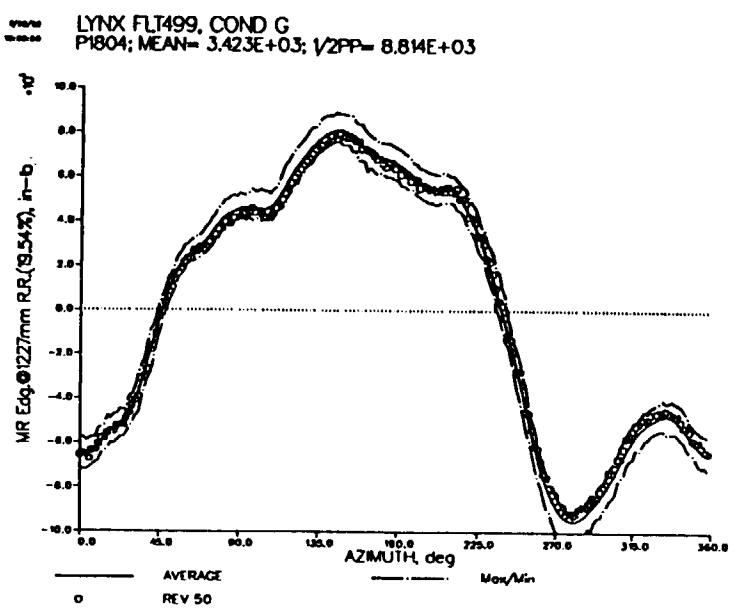

LYNX FLT499, COND G
P2504; MEAN=-3.791E+03; V2PP= 3.971E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

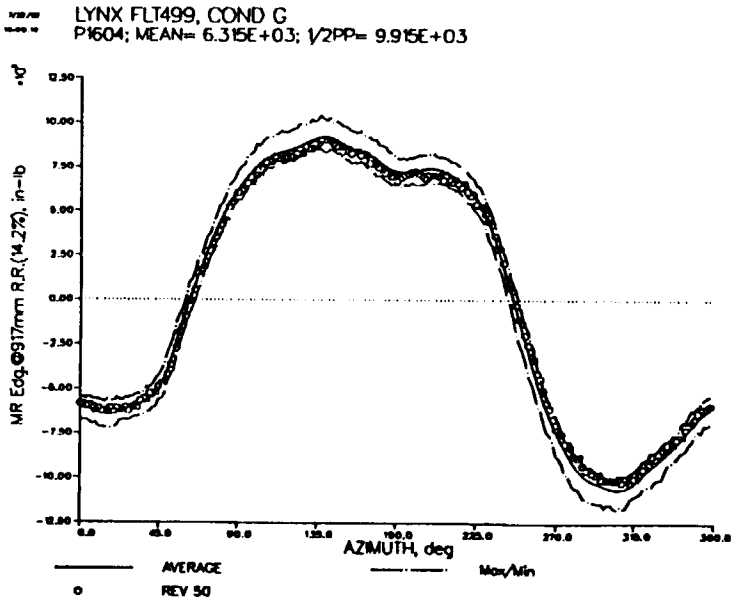

LYNX FLT499, COND G
P2304; MEAN= 1.917E+01; V2PP= 5.602E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

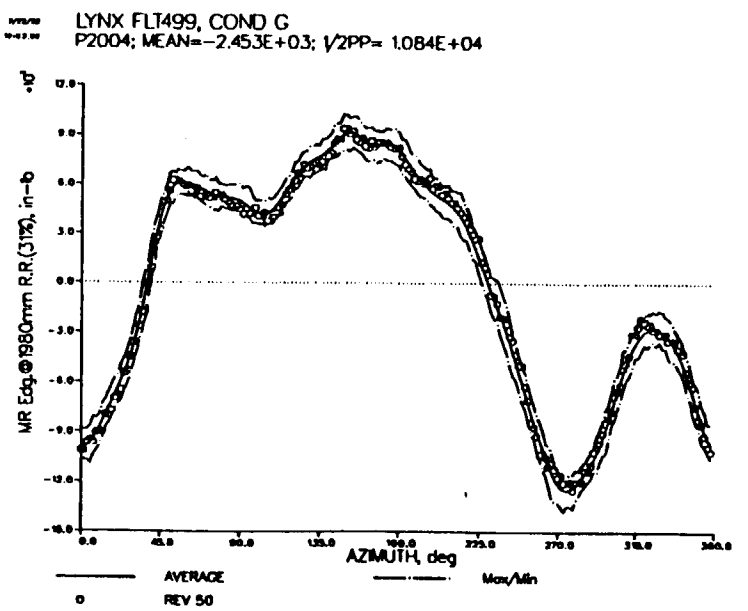

LYNX FLT499, COND G
P3304; MEAN=-7.009E+01; V2PP= 2.798E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

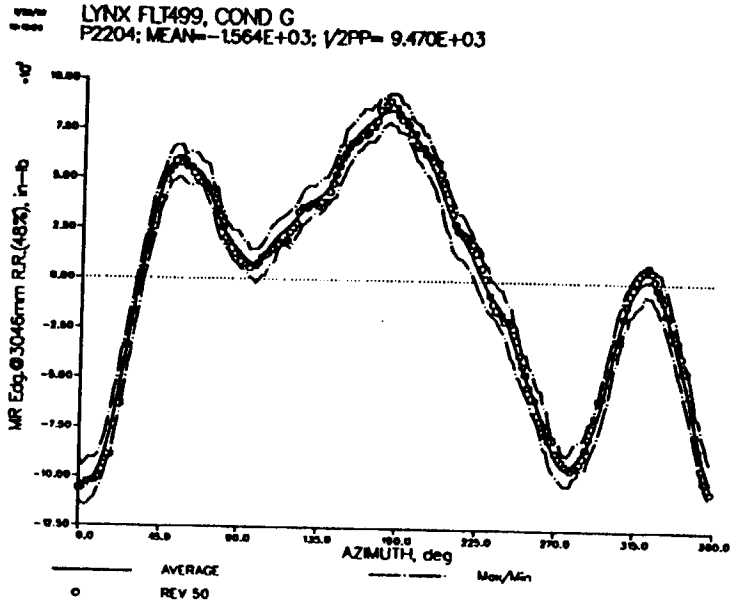
h-2

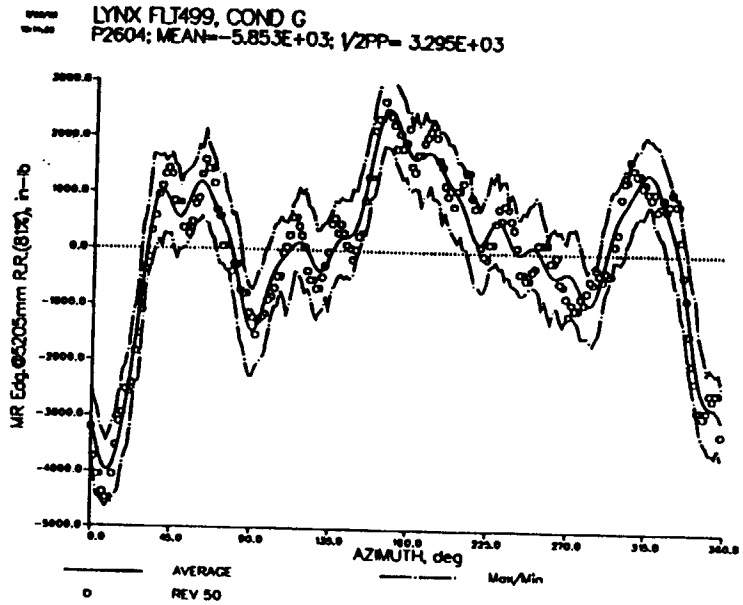

LYNX FLT499, COND G
P1404; MEAN= 5.613E+03; 1/2PP= 2.342E+04
MR Edg.@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

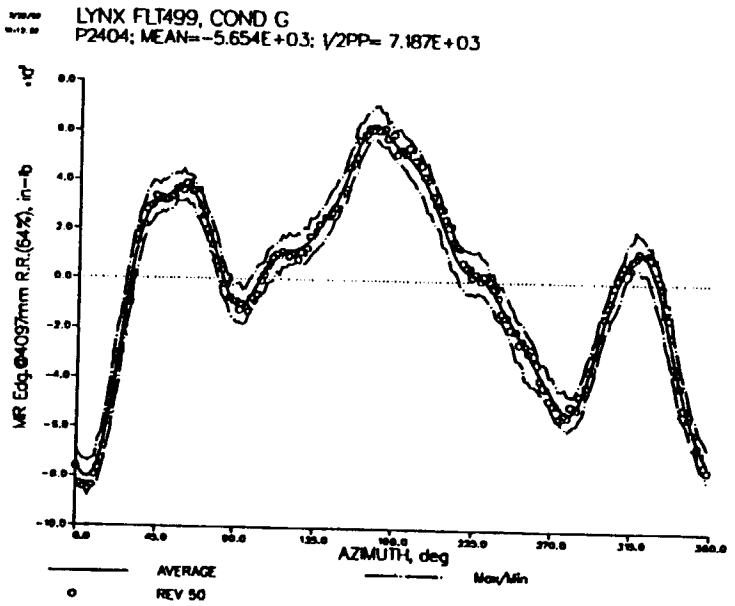

LYNX FLT499, COND G
P1804; MEAN= 3.423E+03; 1/2PP= 8.814E+03
MR Edg.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

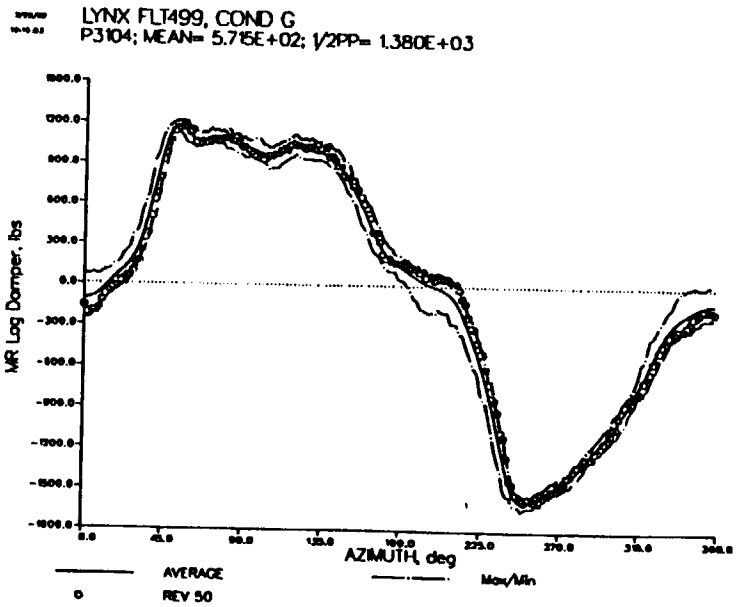

LYNX FLT499, COND G
P1604; MEAN= 6.315E+03; 1/2PP= 9.915E+03
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT499, COND G
P2004; MEAN=-2.453E+03; 1/2PP= 1.084E+04
MR Edg.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

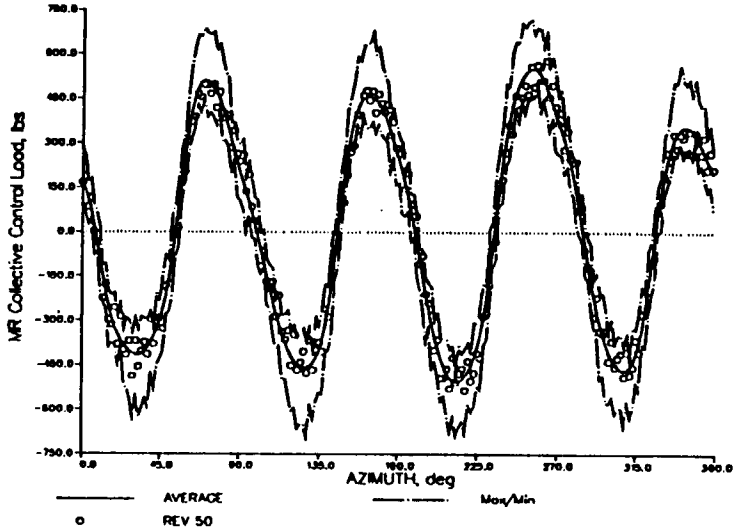

LYNX FLT499, COND G
P2204; MEAN=-1.564E+03; 1/2PP= 9.470E+03
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT499, COND G
P2604; MEAN=-5.853E+03; 1/2PP= 3.295E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

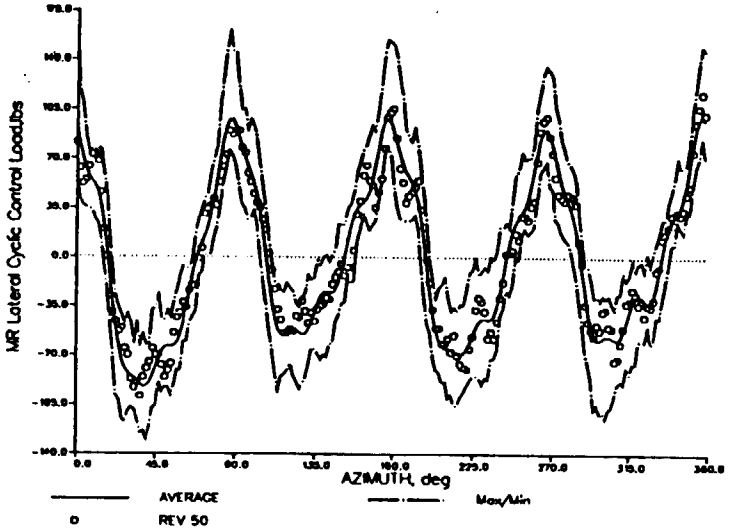

LYNX FLT499, COND G
P2404; MEAN=-5.654E+03; 1/2PP= 7.187E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT499, COND G
P3104; MEAN= 5.715E+02; 1/2PP= 1.380E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

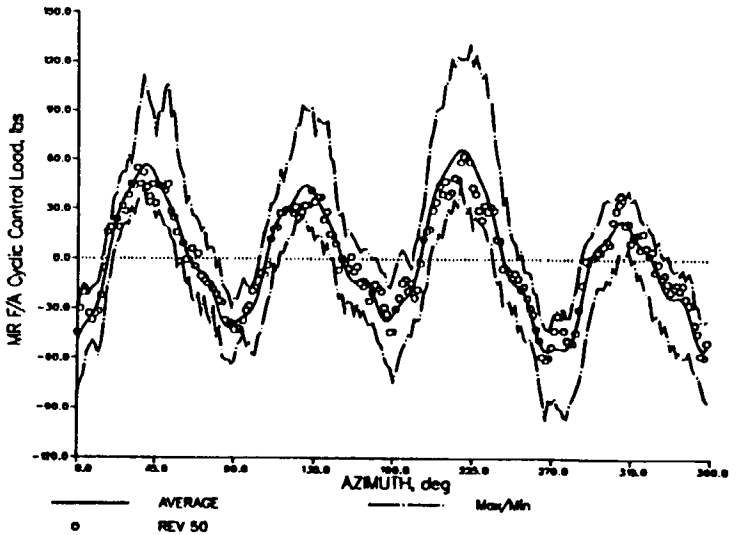
LYNX FLT499, COND G
P2804; MEAN=-1.435E+03; 1/2PP= 5.615E+02



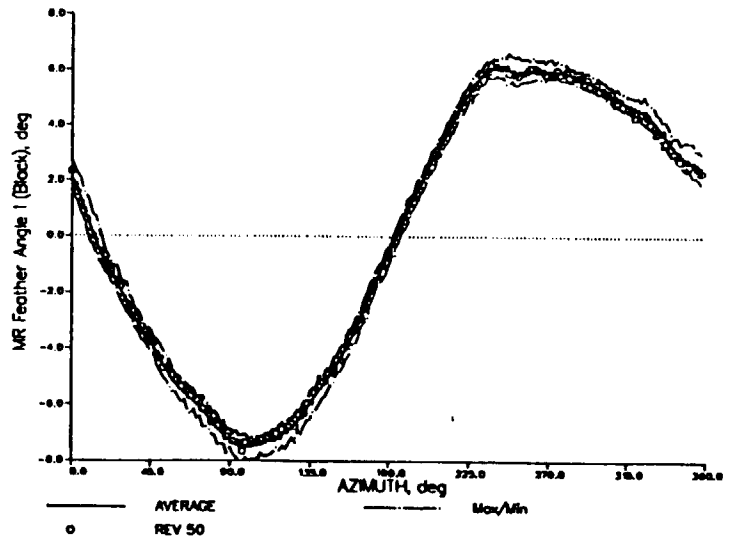
LYNX FLT499, COND G
P3204; MEAN=-2.174E+02; 1/2PP= 1.081E+02

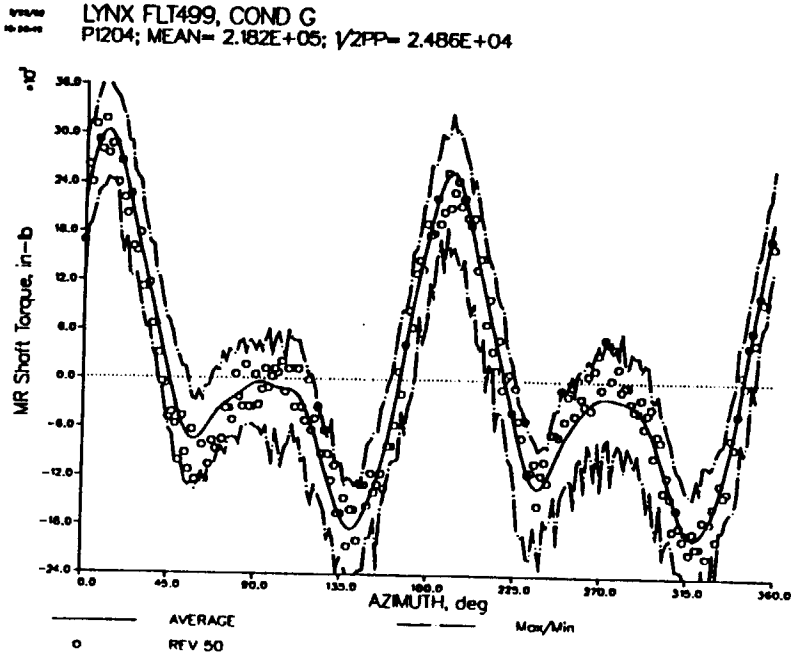


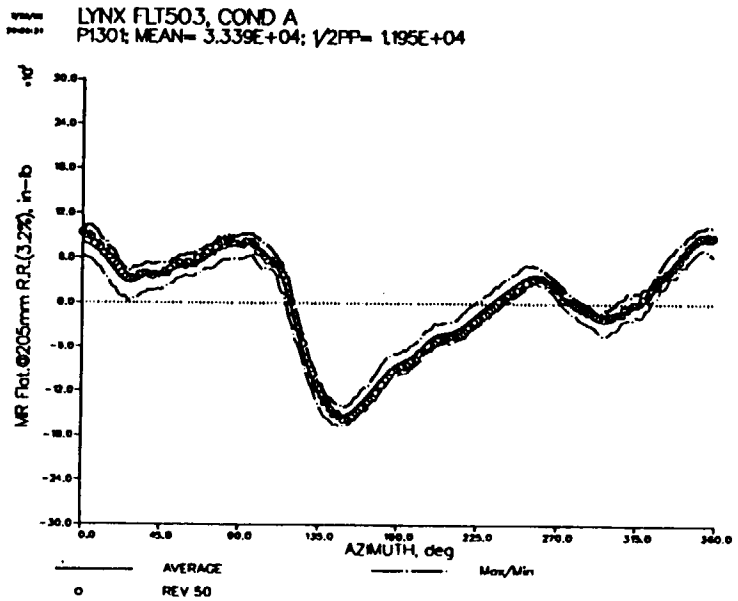
LYNX FLT499, COND G
P2904; MEAN=-2.845E+01; 1/2PP= 6.574E+01

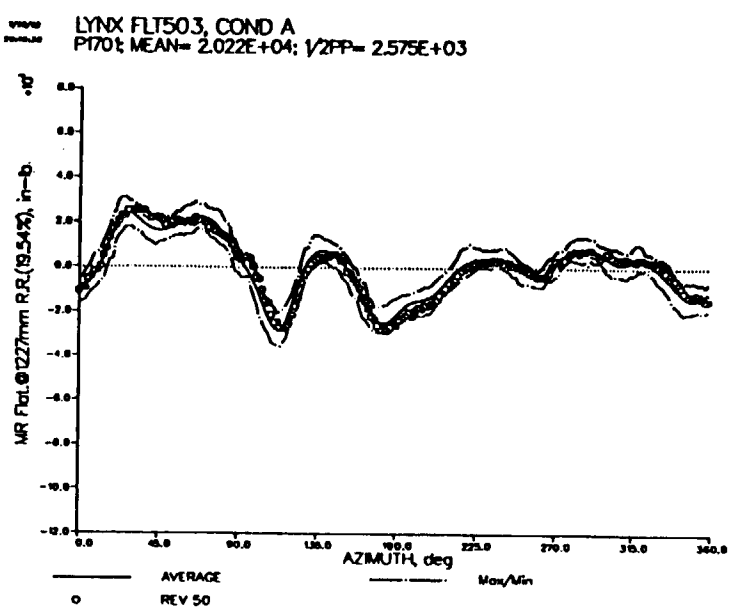


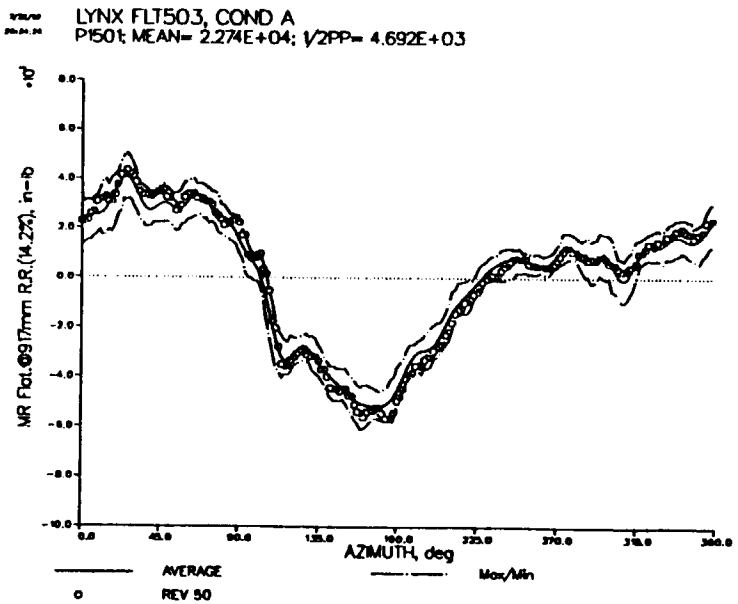
LYNX FLT499, COND G
P3004; MEAN= 1.742E+01; 1/2PP= 6.850E+00

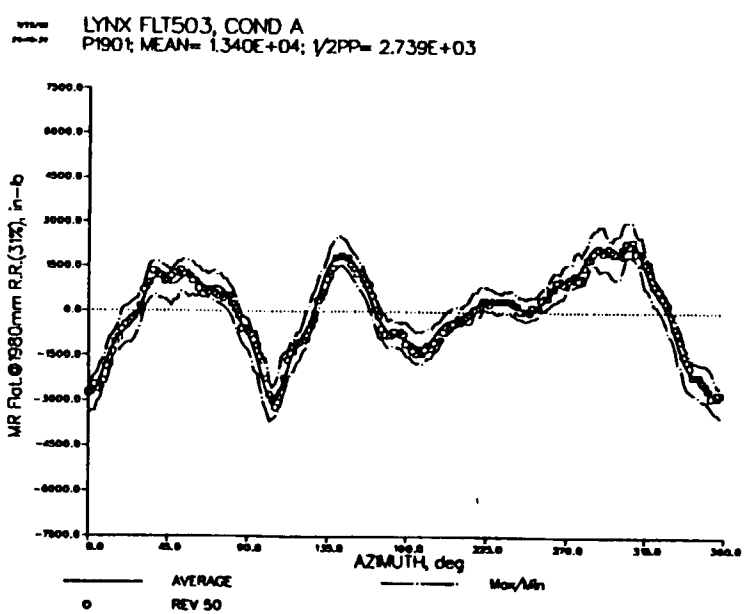



LYNX FLT499, COND G
P1204; MEAN= 2.182E+05; 1/2PP= 2.486E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

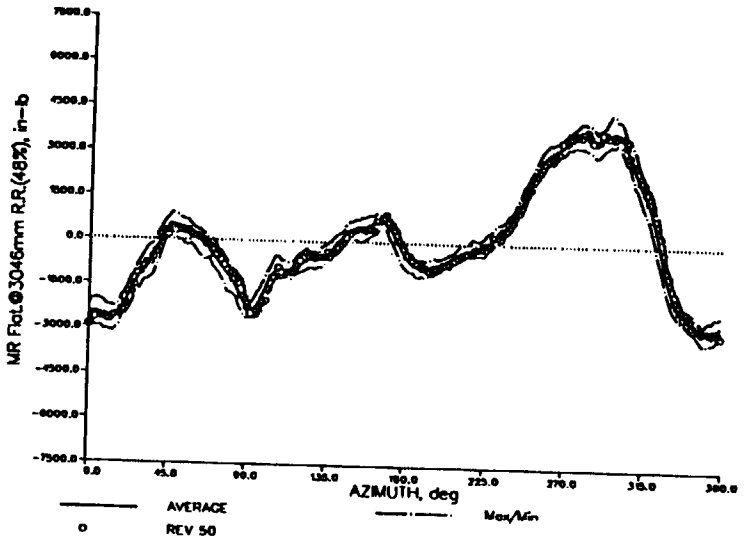

LYNX FLT503, COND A
P130t; MEAN= 3.339E+04; 1/2PP= 1.195E+04
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND A
P170t; MEAN= 2.022E+04; 1/2PP= 2.575E+03
MR Flat.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

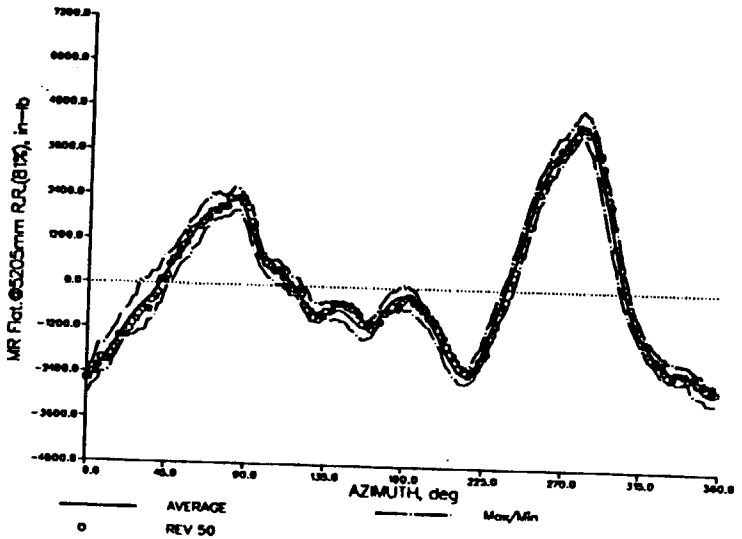

LYNX FLT503, COND A
P150t; MEAN= 2.274E+04; 1/2PP= 4.692E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND A
P190t; MEAN= 1.340E+04; 1/2PP= 2.739E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

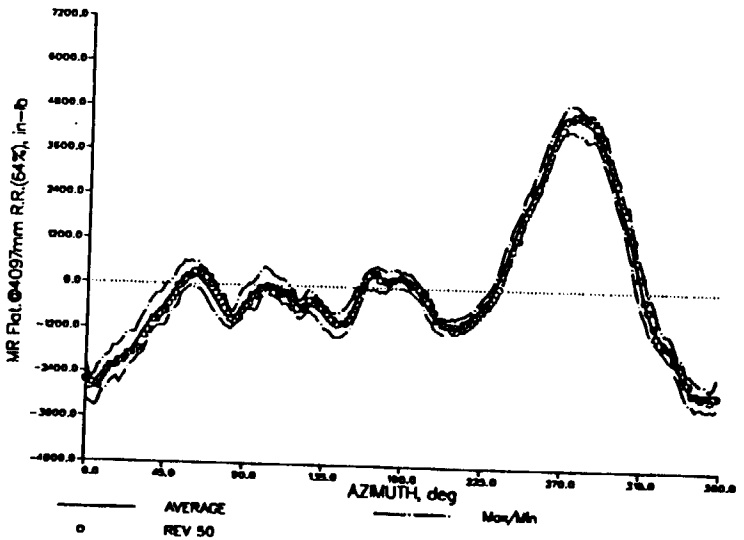
LYNX FLT503, COND A
P210t MEAN= 5.080E+03; 1/2PP= 3.389E+03



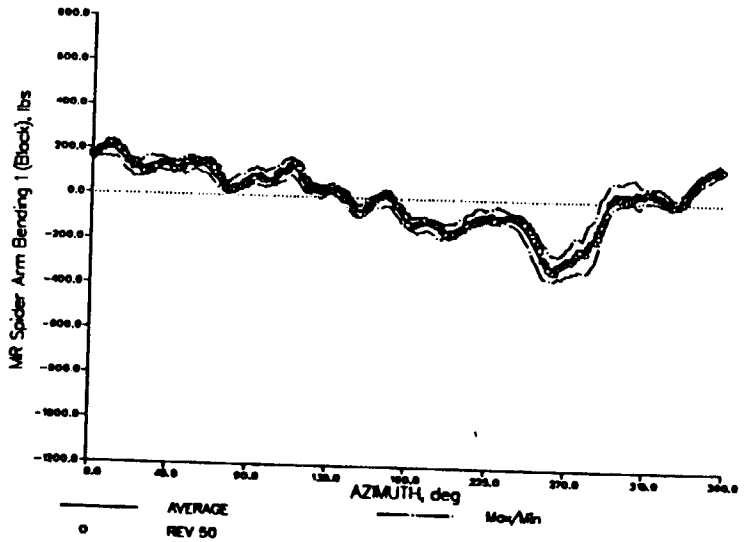
LYNX FLT503, COND A
P250t MEAN=-4.806E+03; 1/2PP= 3.616E+03



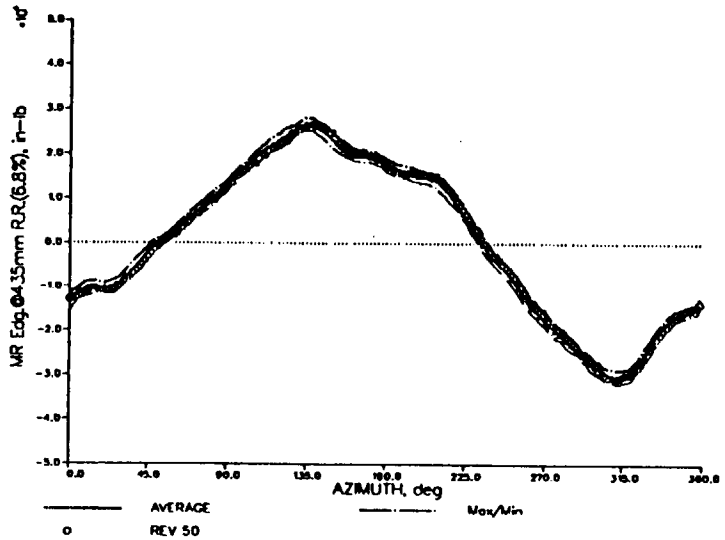
LYNX FLT503, COND A
P230t MEAN=-2.780E+02; 1/2PP= 3.813E+03



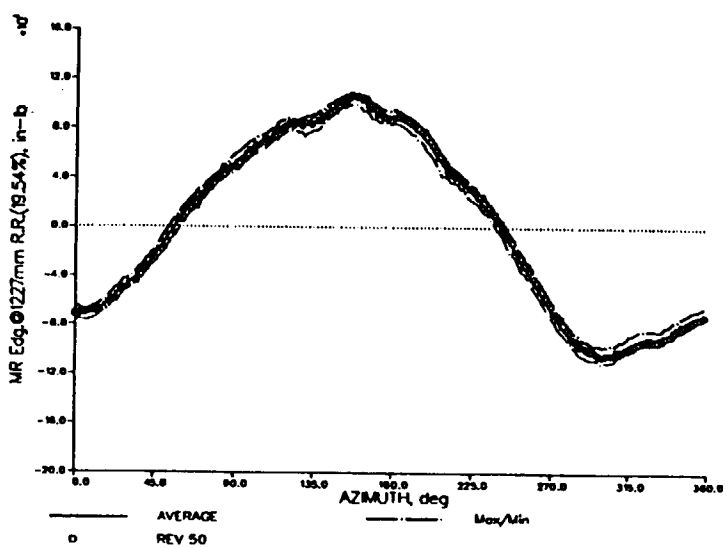
LYNX FLT503, COND A
P330t MEAN=-2.729E+01; 1/2PP= 2.465E+02



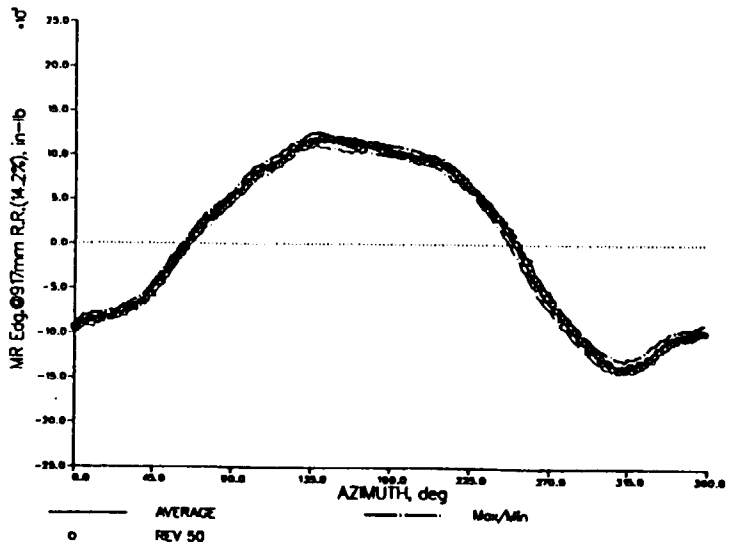
LYNX FLT503, COND A
P140t; MEAN=-1.256E+03; 1/2PP= 2.861E+04



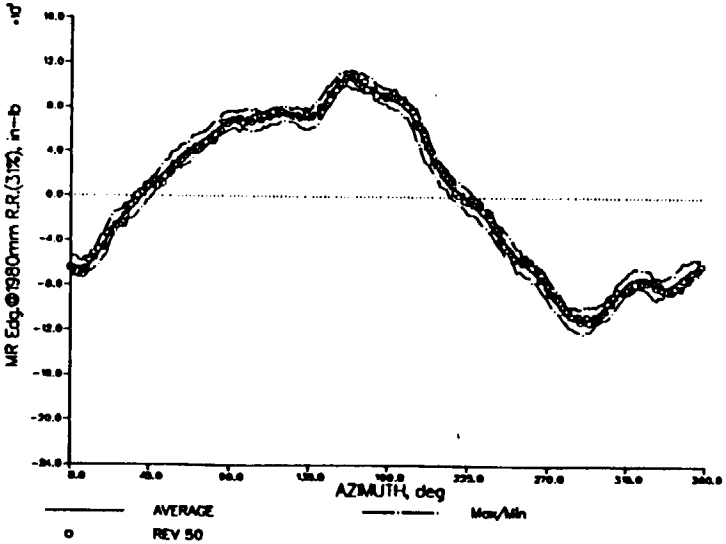
LYNX FLT503, COND A
P180t; MEAN= 9.612E+01; 1/2PP= 1.049E+04

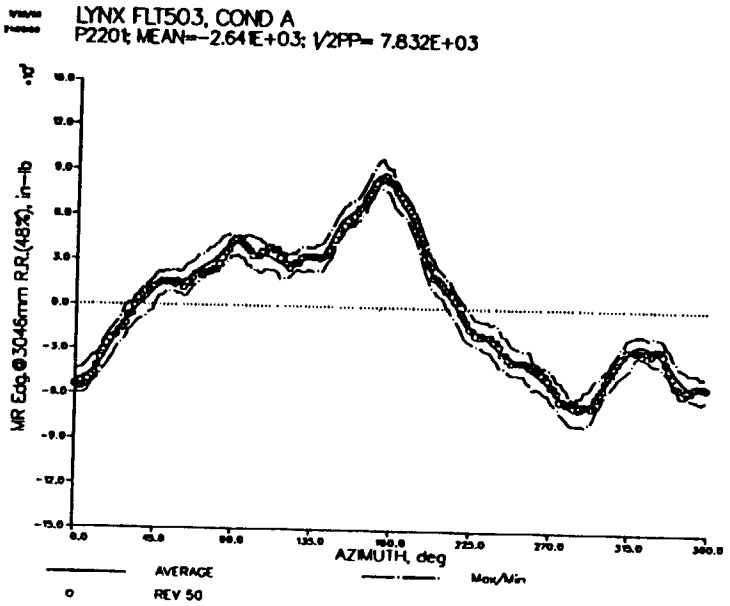


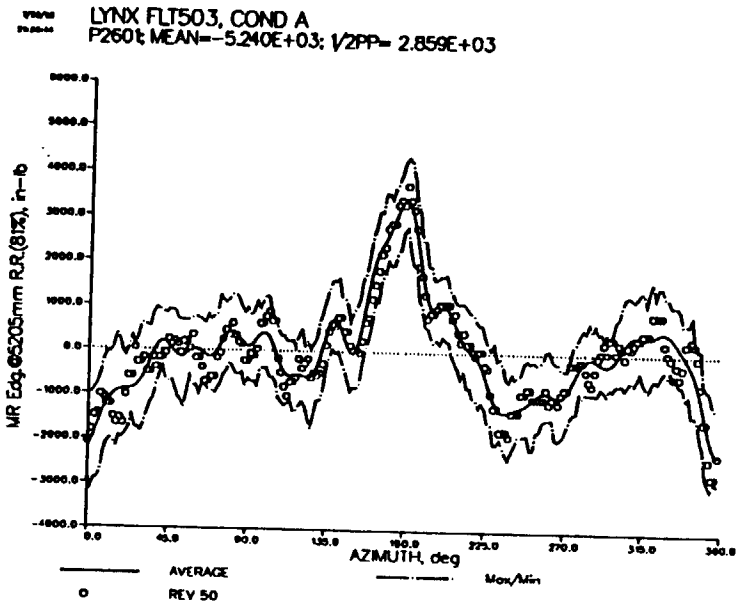
LYNX FLT503, COND A
P160t; MEAN= 2.698E+03; 1/2PP= 1.281E+04

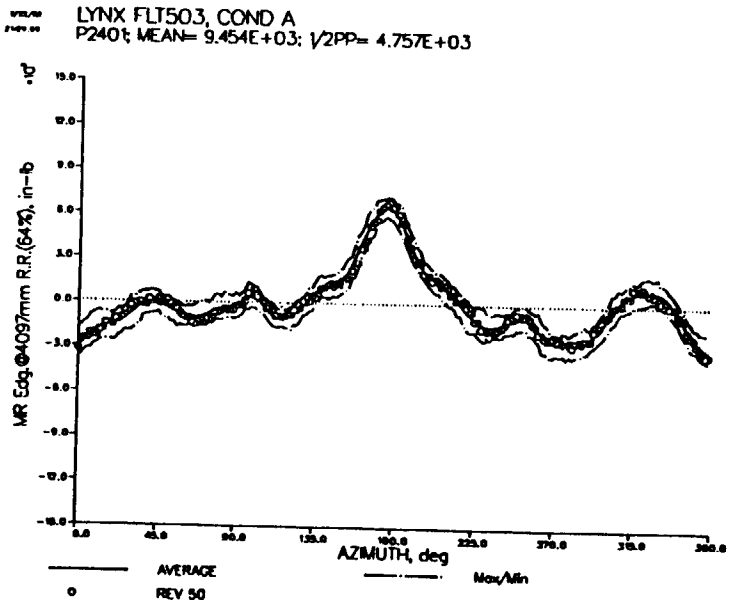


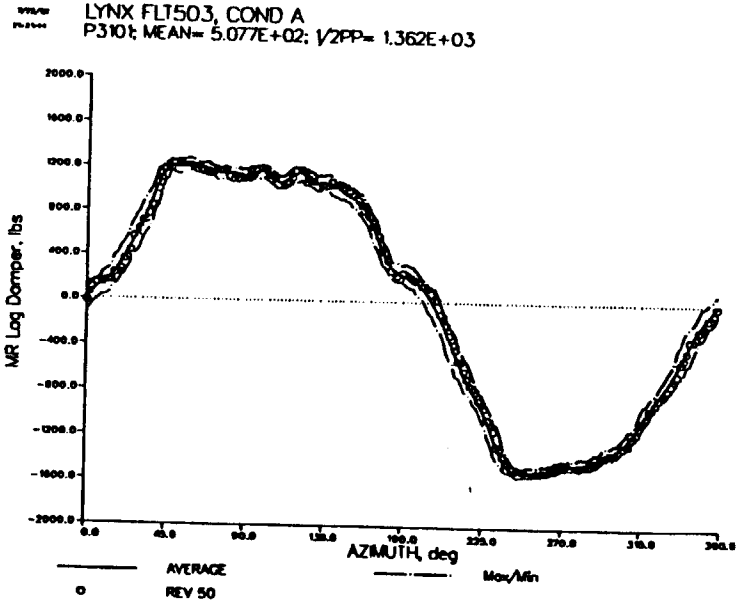
LYNX FLT503, COND A
P200t; MEAN=-4.955E+03; 1/2PP= 1.082E+04



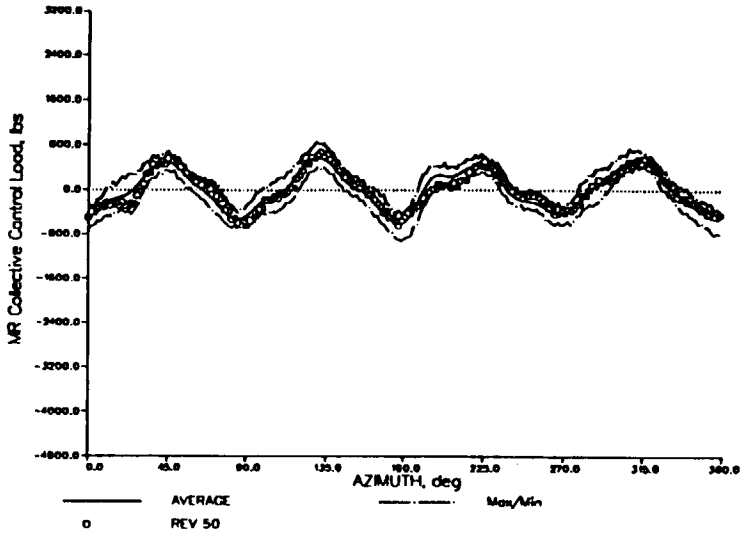

LYNX FLT503, COND A
P220t; MEAN=-2.641E+03; 1/2PP= 7.832E+03
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND A
P260t; MEAN=-5.240E+03; 1/2PP= 2.859E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

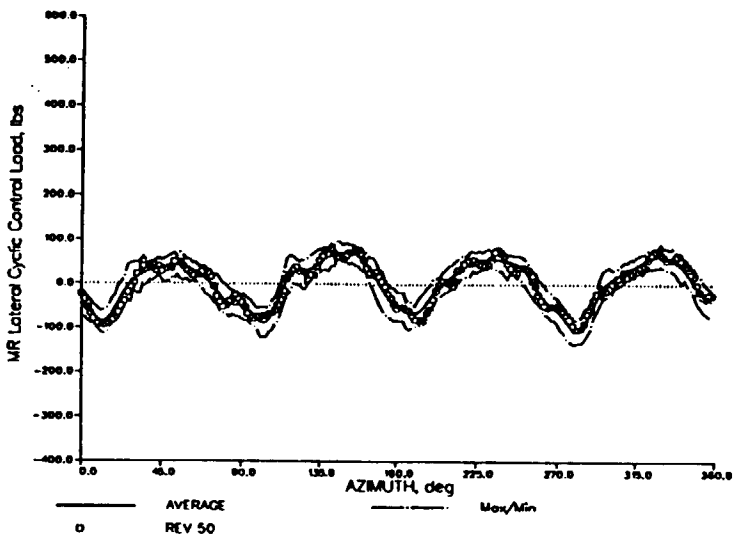

LYNX FLT503, COND A
P240t; MEAN= 9.454E+03; 1/2PP= 4.757E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND A
P310t; MEAN= 5.077E+02; 1/2PP= 1.362E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

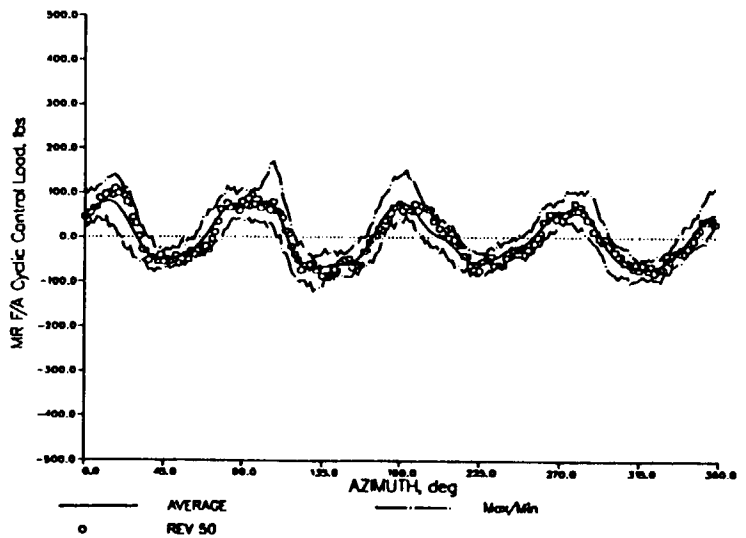
LYNX FLT503, COND A
P280t; MEAN=-9.681E+02; 1/2PP= 6.192E+02



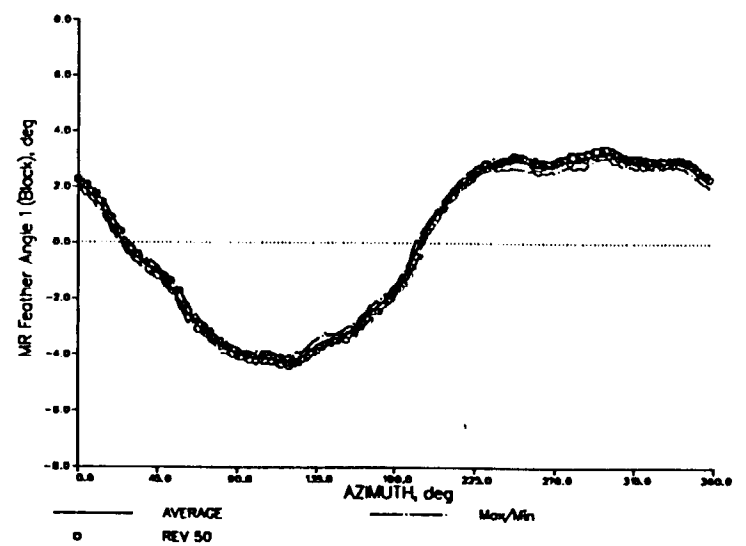
LYNX FLT503, COND A
P320t; MEAN=-1.529E+02; 1/2PP= 8.977E+01



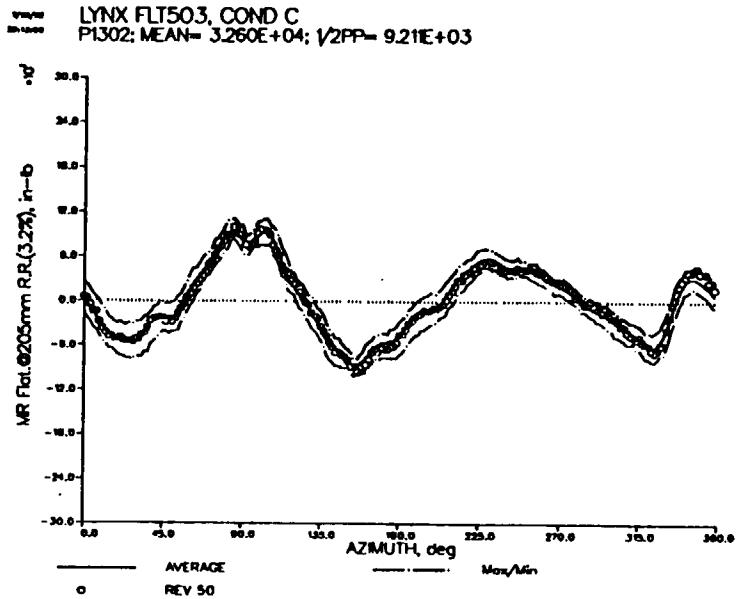
LYNX FLT503, COND A
P290t; MEAN= 9.593E+01; 1/2PP= 8.196E+01

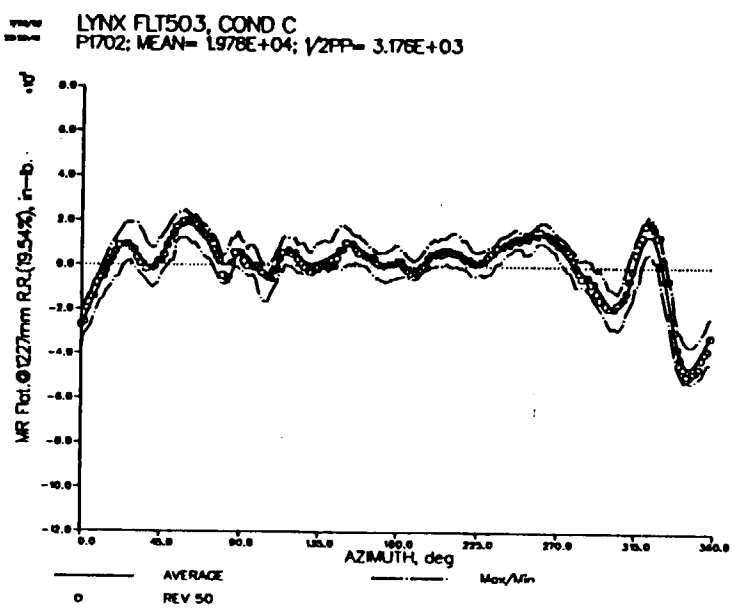


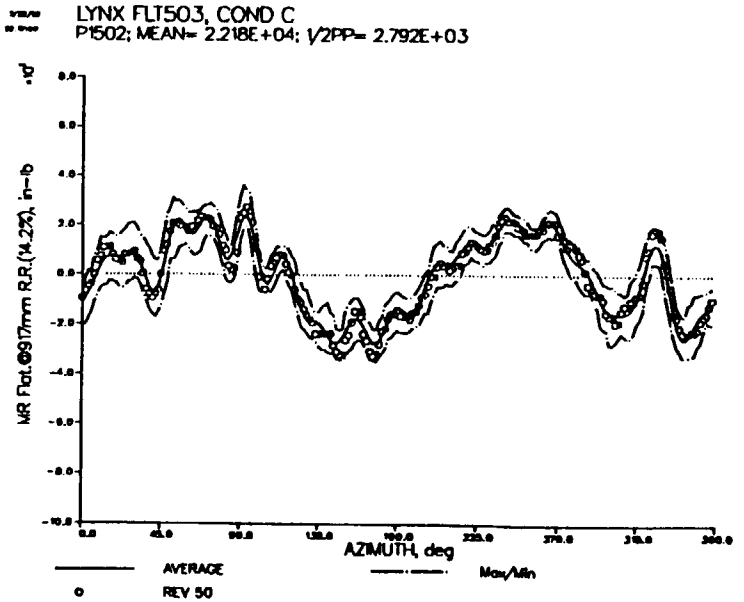
LYNX FLT503, COND A
P300t; MEAN= 1.501E+01; 1/2PP= 3.791E+00

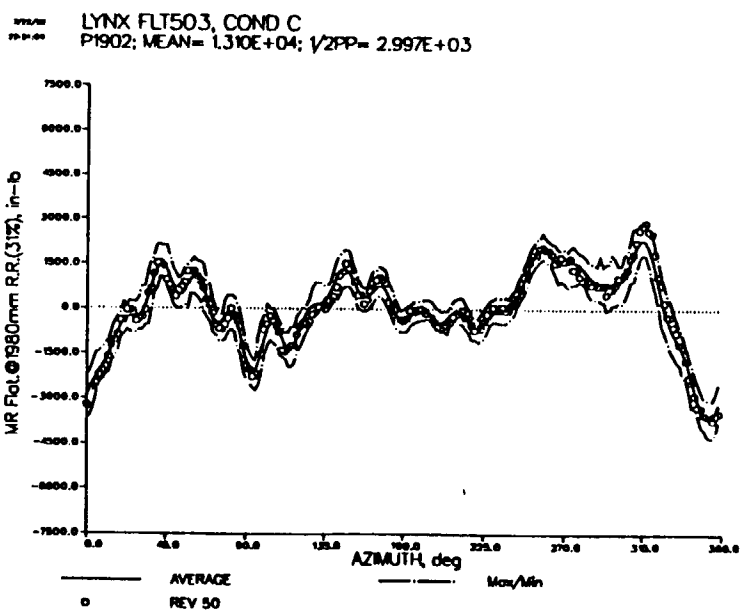


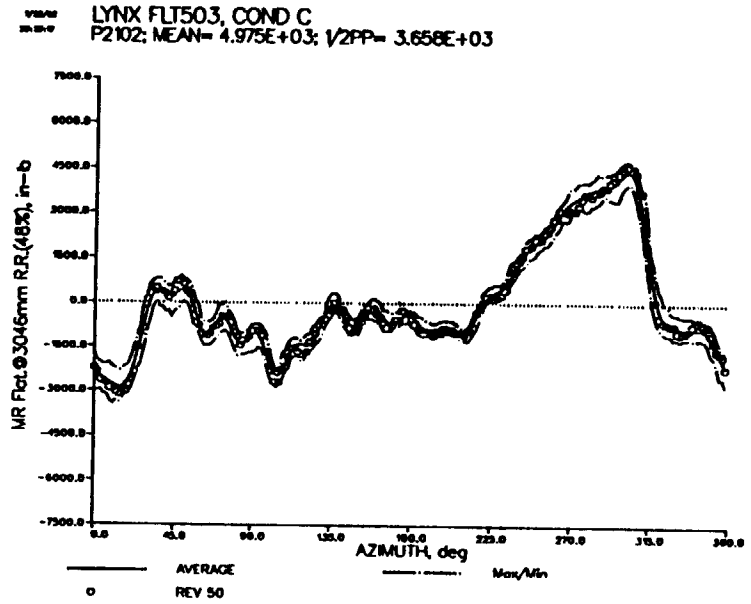
LYNX FLT503, COND A
P120t; MEAN= 1.763E+05; 1/2PP= 8.185E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

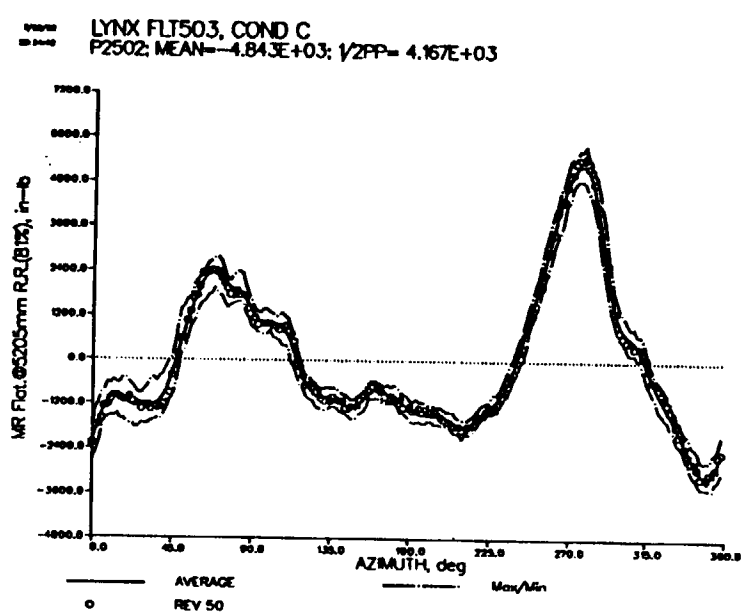

LYNX FLT503, COND C
P1302; MEAN= 3.260E+04; 1/2PP= 9.21E+03
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

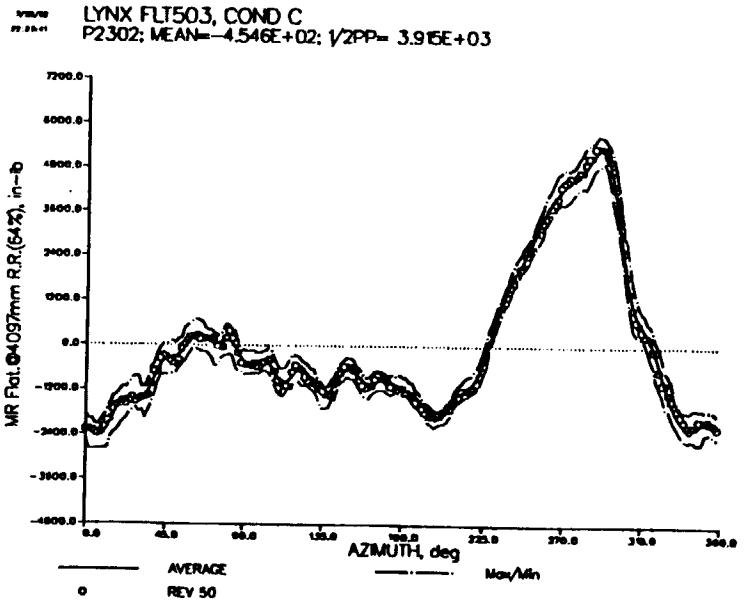

LYNX FLT503, COND C
P1702; MEAN= 1.978E+04; 1/2PP= 3.176E+03
MR Flat.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

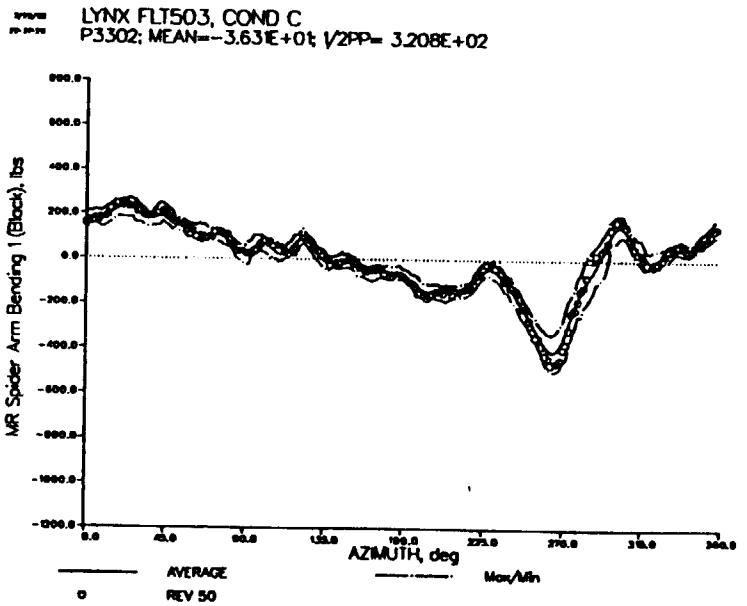

LYNX FLT503, COND C
P1502; MEAN= 2.218E+04; 1/2PP= 2.792E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

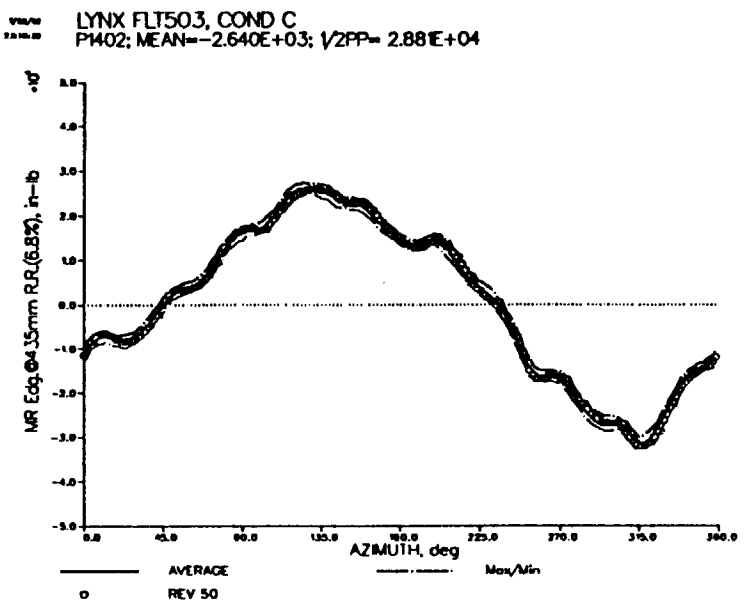

LYNX FLT503, COND C
P1902; MEAN= 1.310E+04; 1/2PP= 2.997E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

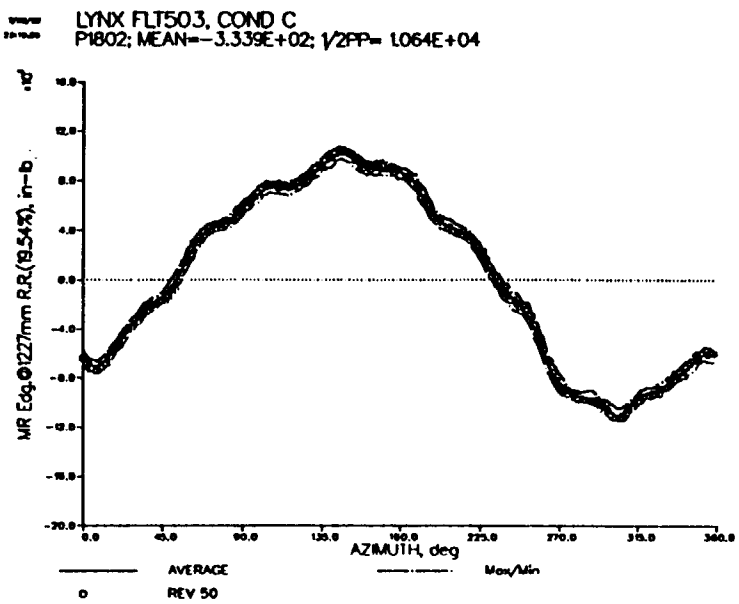

LYNX FLT503, COND C
P2102; MEAN= 4.975E+03; 1/2PP= 3.658E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

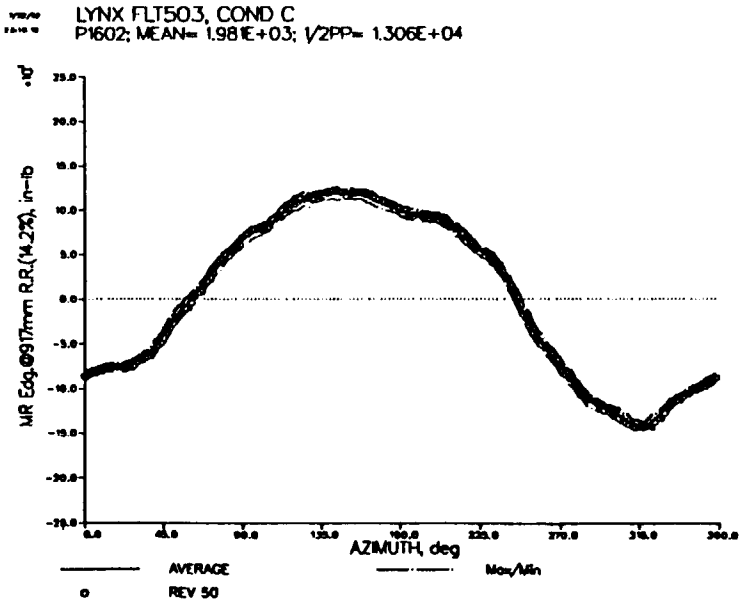

LYNX FLT503, COND C
P2502; MEAN=-4.843E+03; 1/2PP= 4.167E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

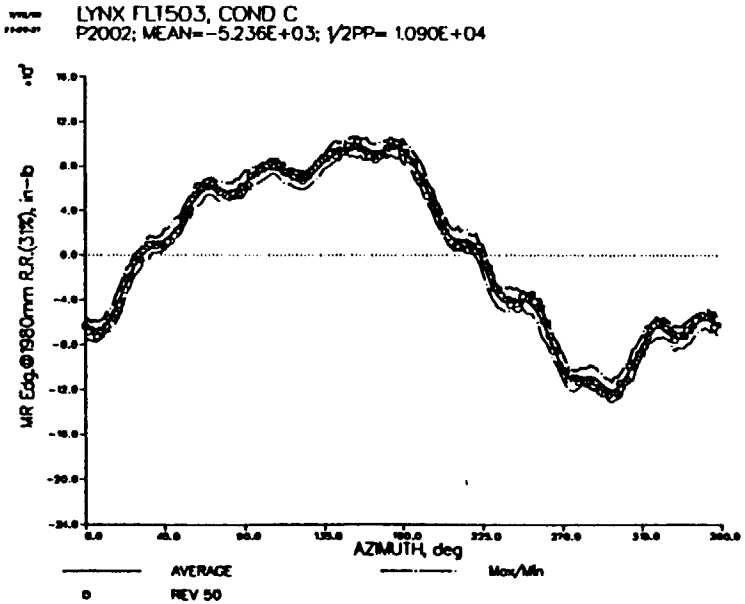

LYNX FLT503, COND C
P2302; MEAN=-4.546E+02; 1/2PP= 3.915E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

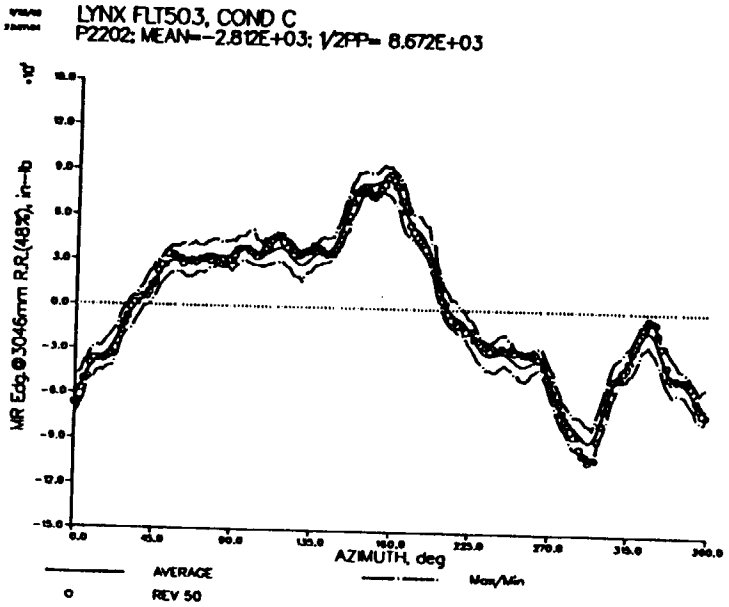

LYNX FLT503, COND C
P3302; MEAN=-3.631E+01; 1/2PP= 3.208E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

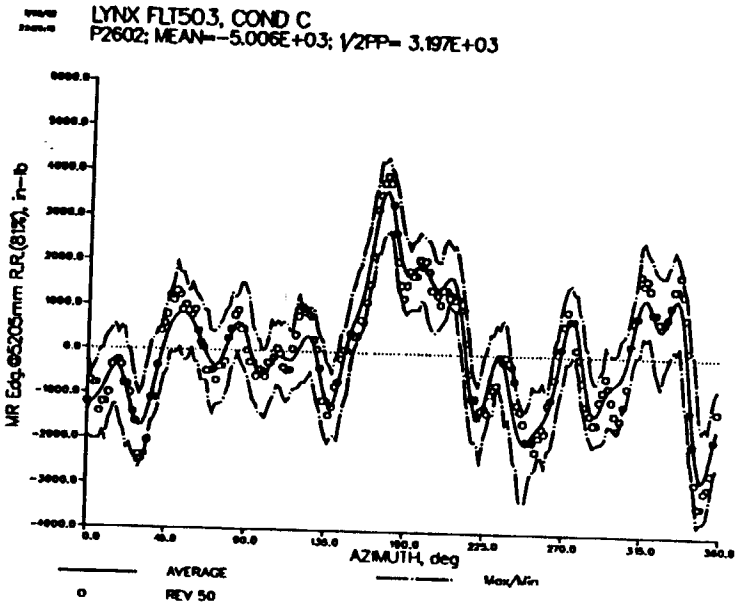

LYNX FLT503, COND C
P1402; MEAN=-2.640E+03; √2PP= 2.881E+04
MR Edg.@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

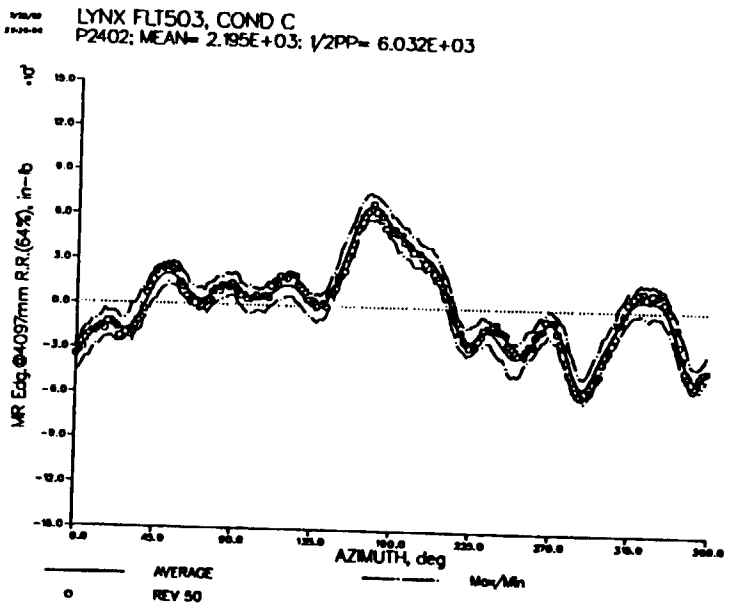

LYNX FLT503, COND C
P1802; MEAN=-3.339E+02; √2PP= 1.064E+04
MR Edg.@12.27mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

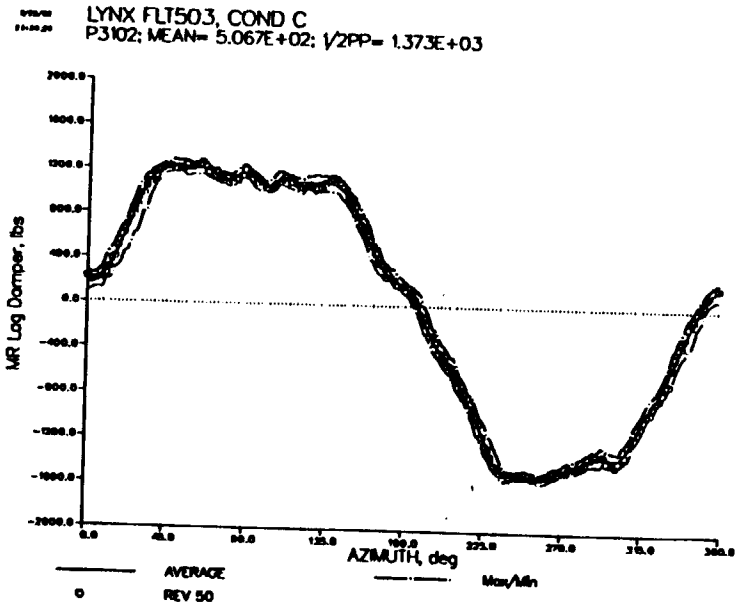

LYNX FLT503, COND C
P1602; MEAN= 1.981E+03; √2PP= 1.306E+04
MR Edg.@9.17mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND C
P2002; MEAN=-5.236E+03; √2PP= 1.090E+04
MR Edg.@19.80mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

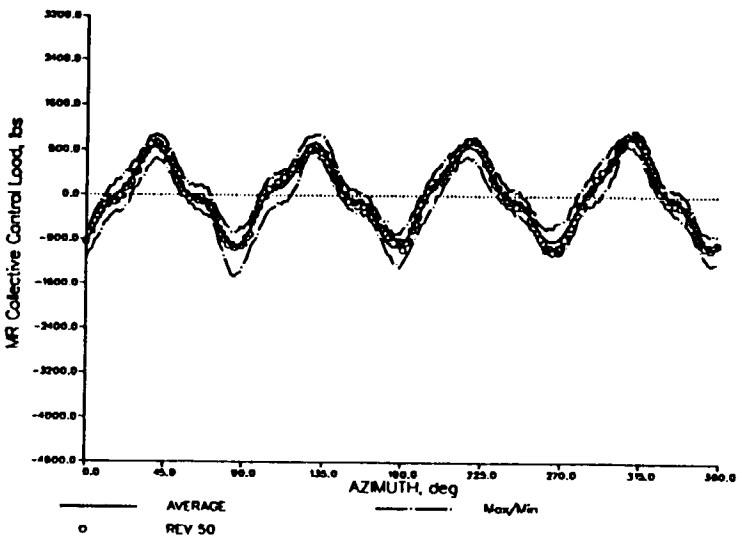

LYNX FLT503, COND C
P2202: MEAN=-2.812E+03: 1/2PP= 8.672E+03
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND C
P2602: MEAN=-5.006E+03: 1/2PP= 3.197E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

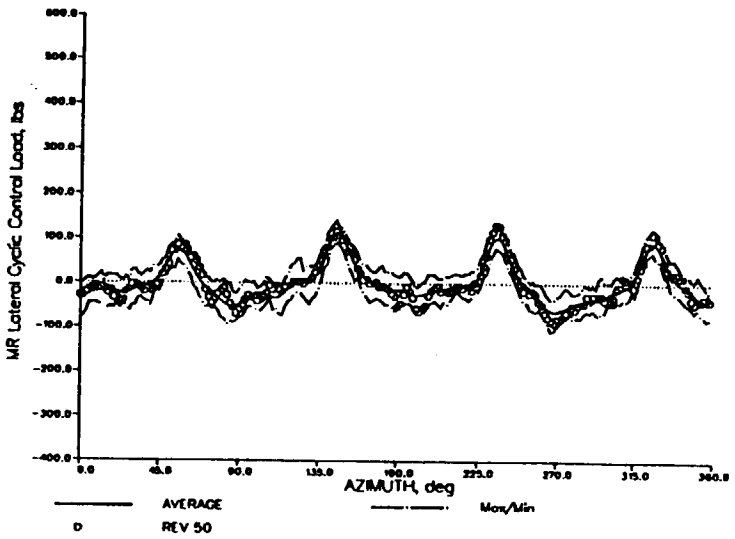

LYNX FLT503, COND C
P2402: MEAN= 2.195E+03: 1/2PP= 6.032E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND C
P3102: MEAN= 5.067E+02: 1/2PP= 1.373E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

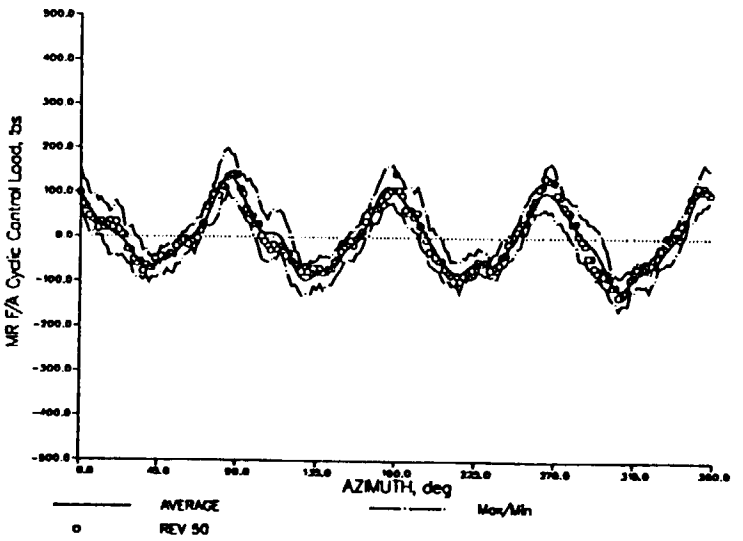
LYNX FLT503, COND C
P2802; MEAN=-1.069E+03; 1/2PP= 9.956E+02



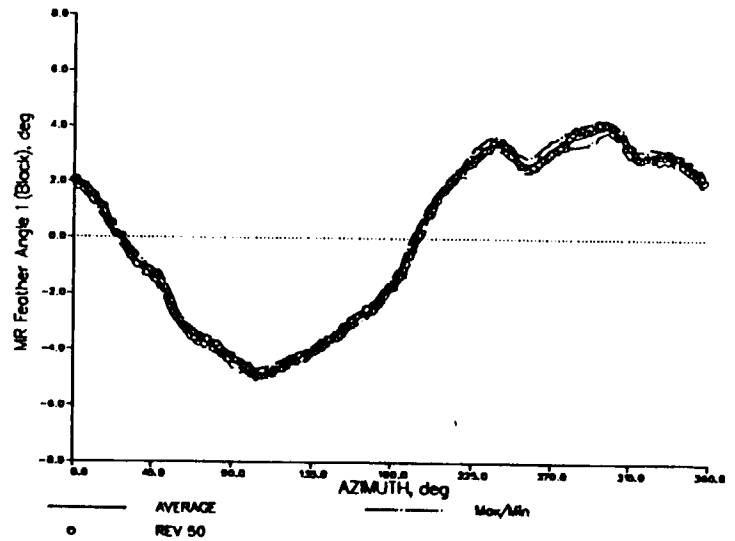
LYNX FLT503, COND C
P3202; MEAN=-1.776E+02; 1/2PP= 9.285E+01

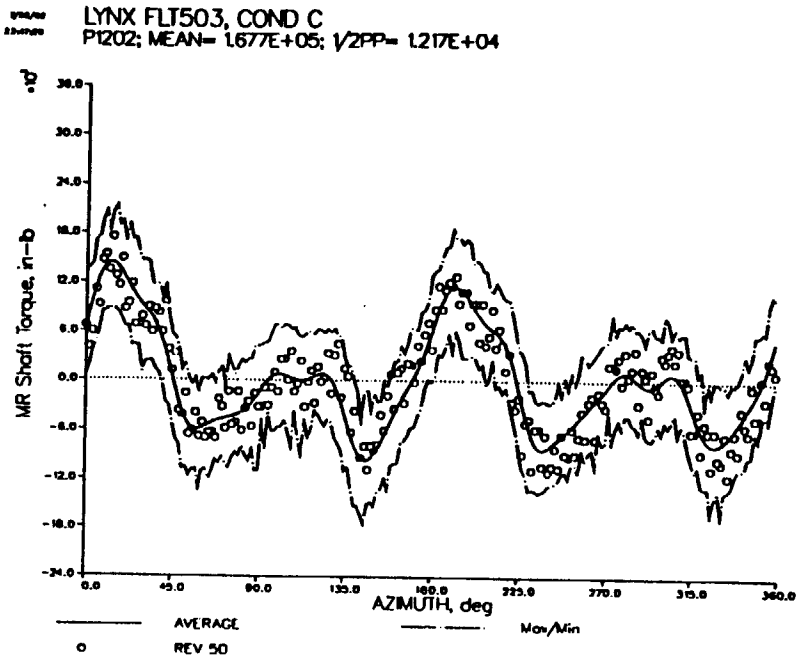


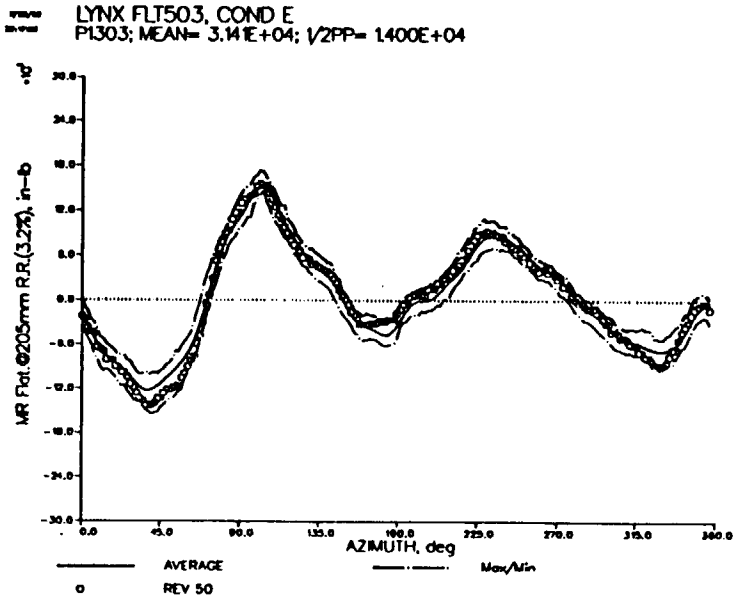
LYNX FLT503, COND C
P2902; MEAN= 9.909E+01; 1/2PP= 1.346E+02

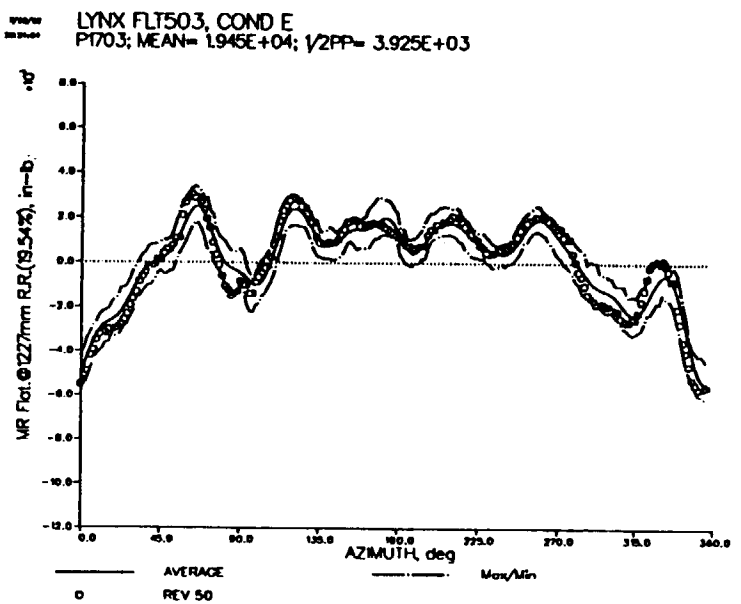


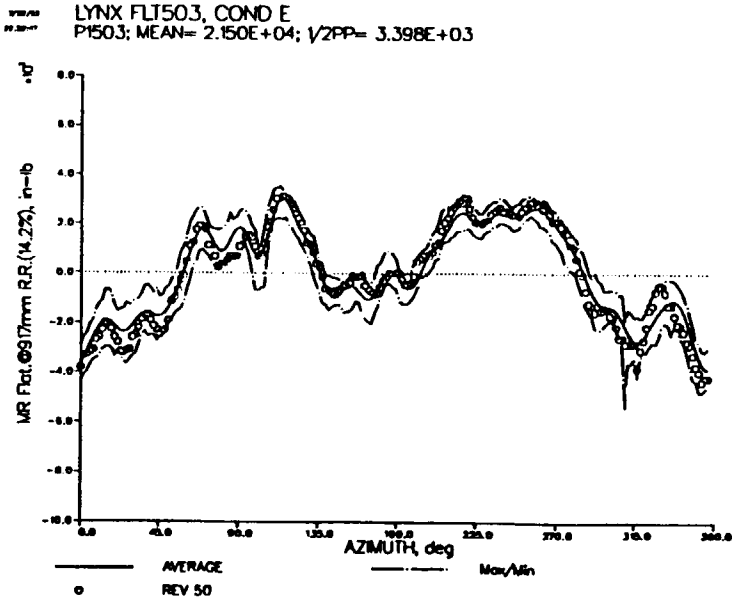
LYNX FLT503, COND C
P3002; MEAN= 1.491E+01; 1/2PP= 4.467E+00

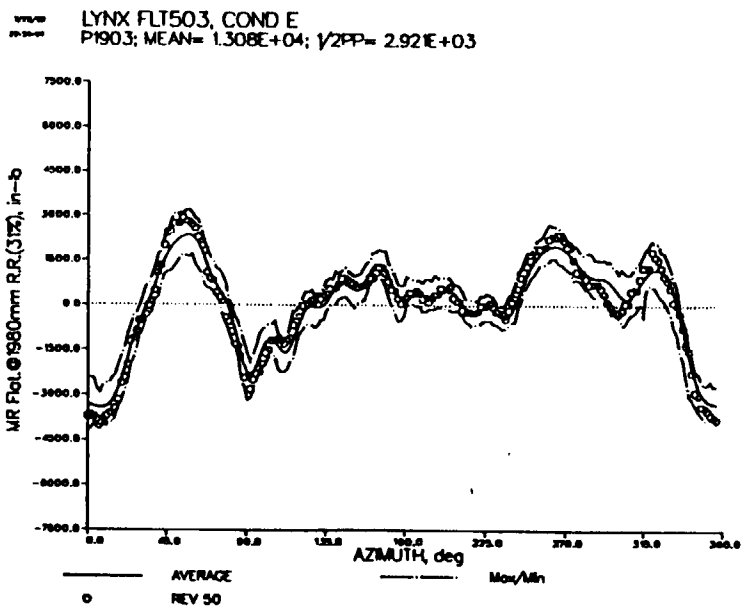


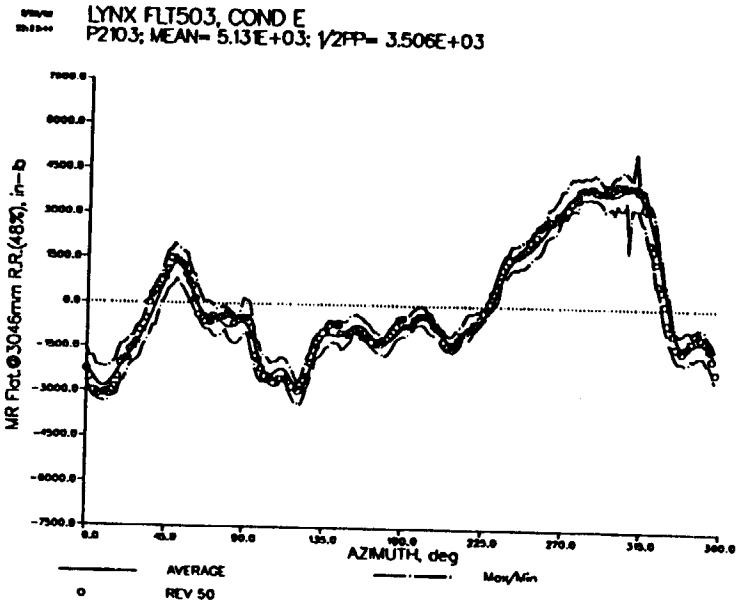

LYNX FLT503, COND C
P1202; MEAN= 1.677E+05; 1/2PP= 1.217E+04
MR Shaft Torque, in-lb
30.0
24.0
18.0
12.0
6.0
0.0
-6.0
-12.0
-18.0
-24.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

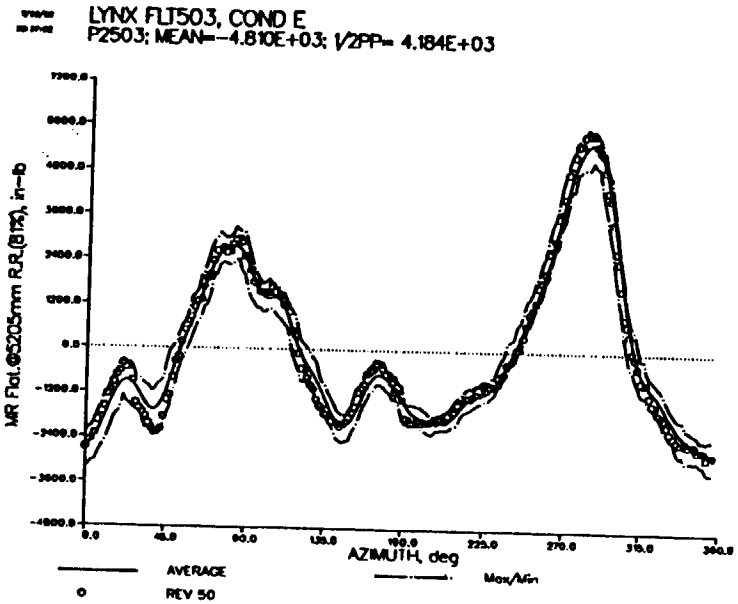

LYNX FLT503, COND E
P1303; MEAN= 3.141E+04; 1/2PP= 1.400E+04
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

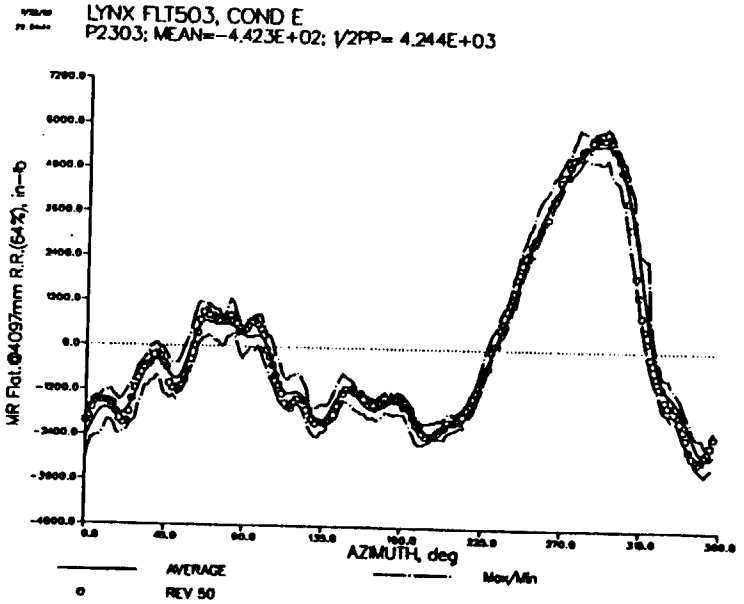

LYNX FLT503, COND E
P1703; MEAN= 1.945E+04; 1/2PP= 3.925E+03
MR Flat.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

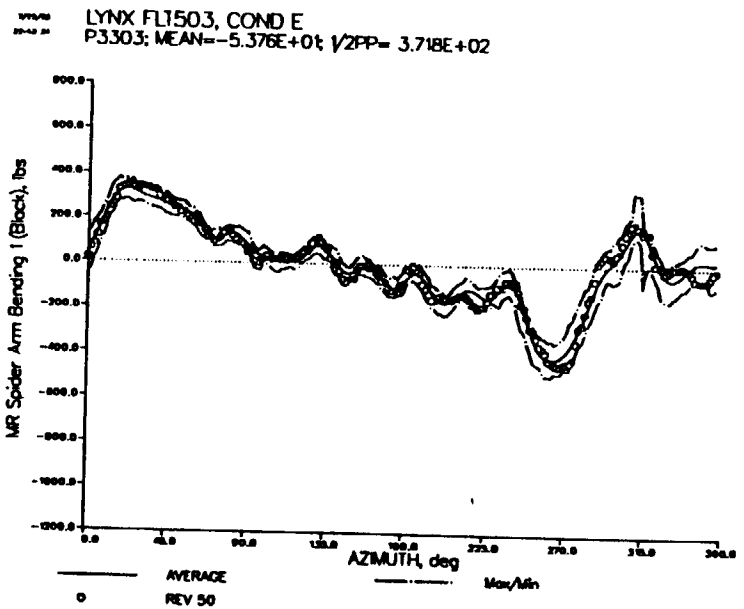

LYNX FLT503, COND E
P1503; MEAN= 2.150E+04; 1/2PP= 3.398E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND E
P1903; MEAN= 1.308E+04; 1/2PP= 2.921E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

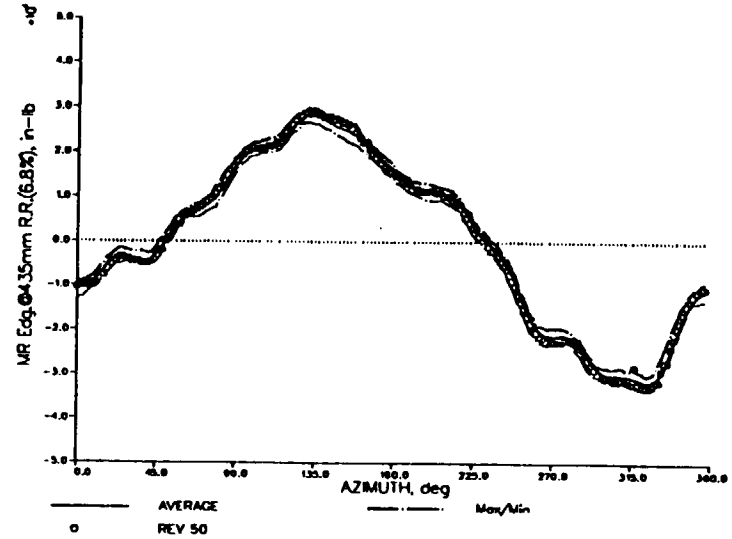

LYNX FLT503, COND E
P2103; MEAN= 5.131E+03; 1/2PP= 3.506E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND E
P2503; MEAN=-4.810E+03; 1/2PP= 4.184E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

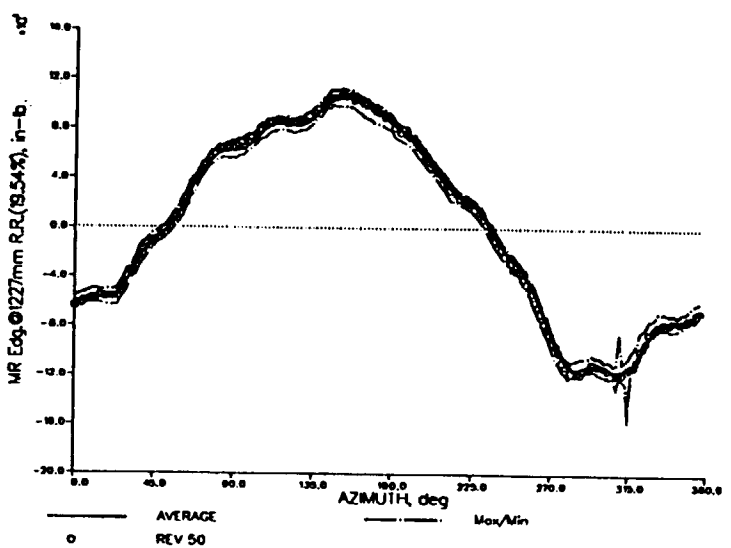

LYNX FLT503, COND E
P2303; MEAN=-4.423E+02; 1/2PP= 4.244E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND E
P3303; MEAN=-5.376E+01; 1/2PP= 3.718E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

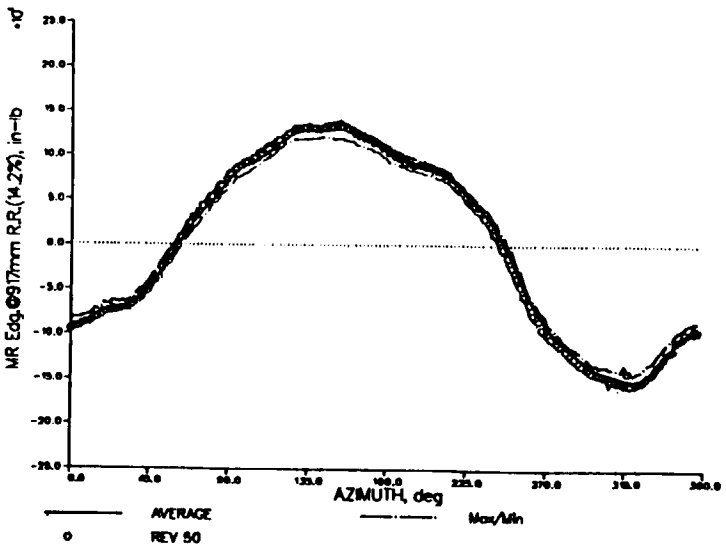
LYNX FLT503, COND E
P1403; MEAN=-6.694E+02; 1/2PP= 3.013E+04



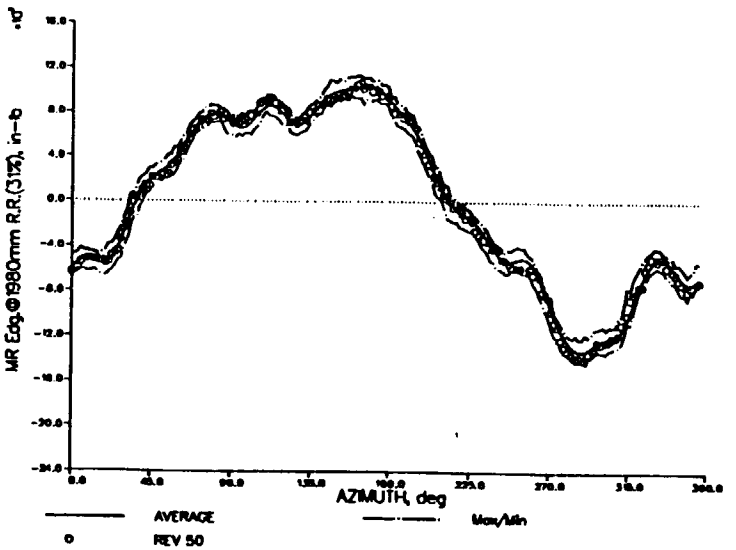
LYNX FLT503, COND E
P1803; MEAN= 5.089E+02; 1/2PP= 1.11E+04

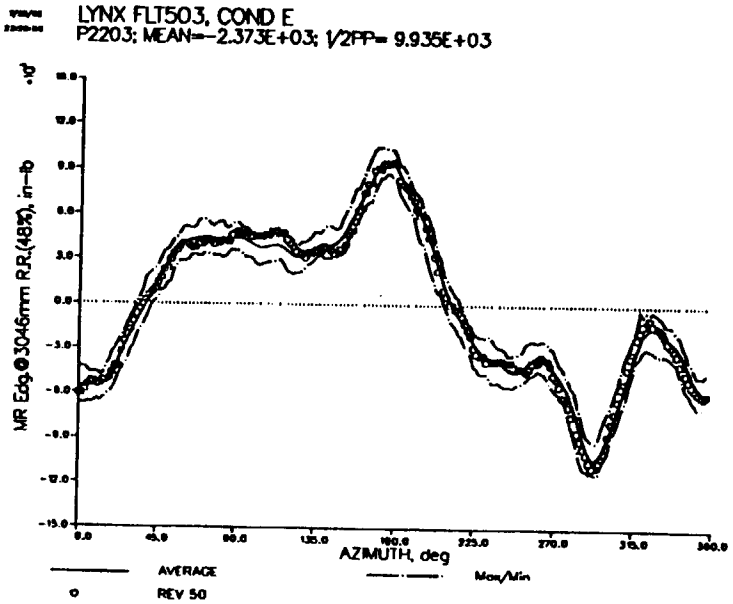


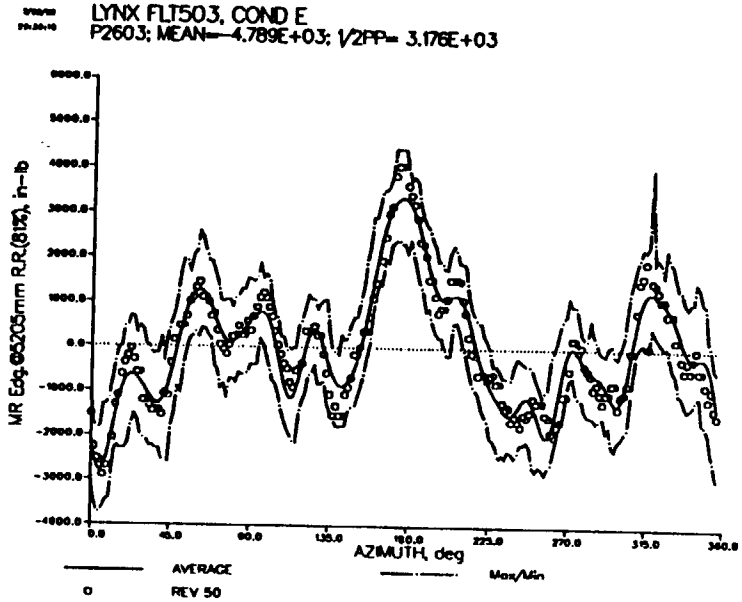
LYNX FLT503, COND E
P1603; MEAN= 3.076E+03; 1/2PP= 1.397E+04

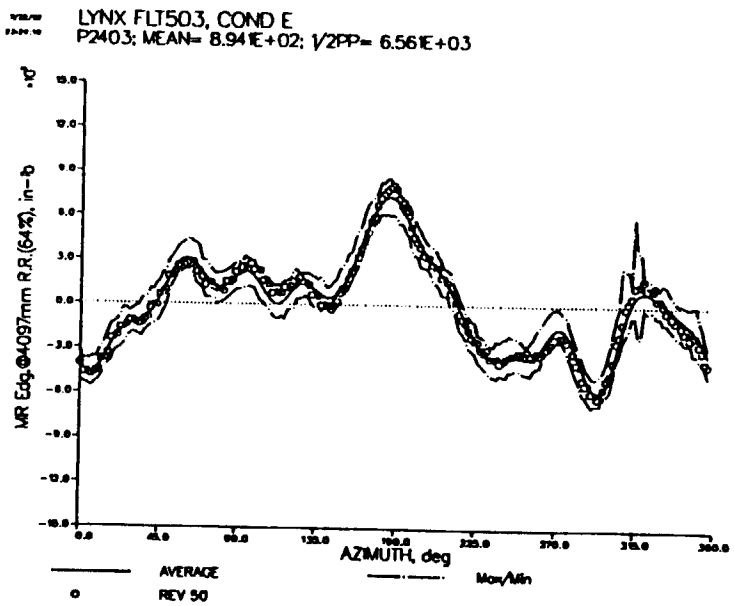


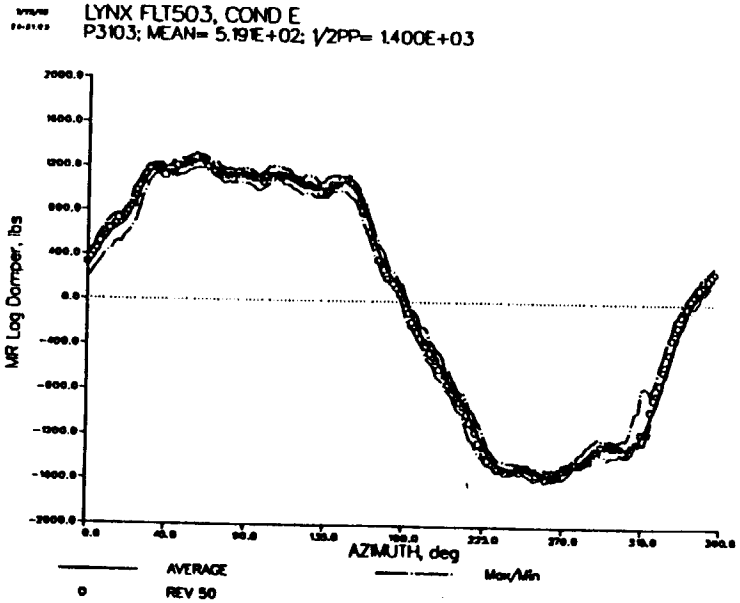
LYNX FLT503, COND E
P2003; MEAN=-4.31E+03; 1/2PP= 1.179E+04



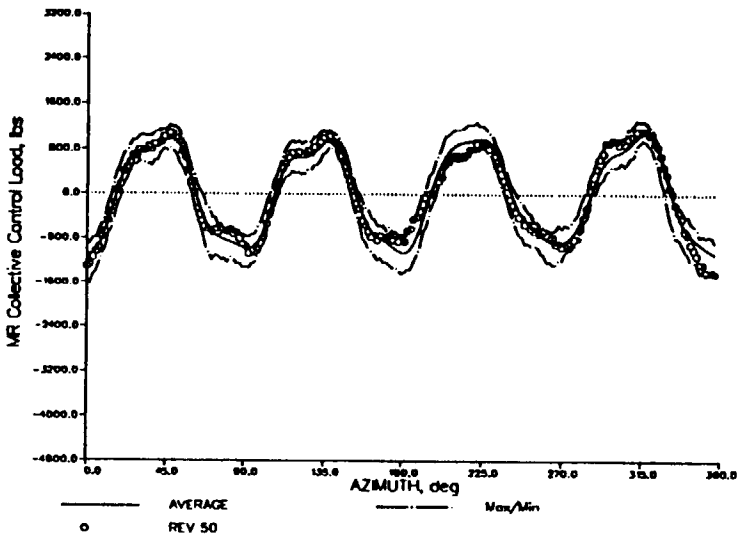

LYNX FLT503, COND E
P2203; MEAN=-2.373E+03; 1/2PP= 9.935E+03
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND E
P2603; MEAN=-4.789E+03; 1/2PP= 3.176E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

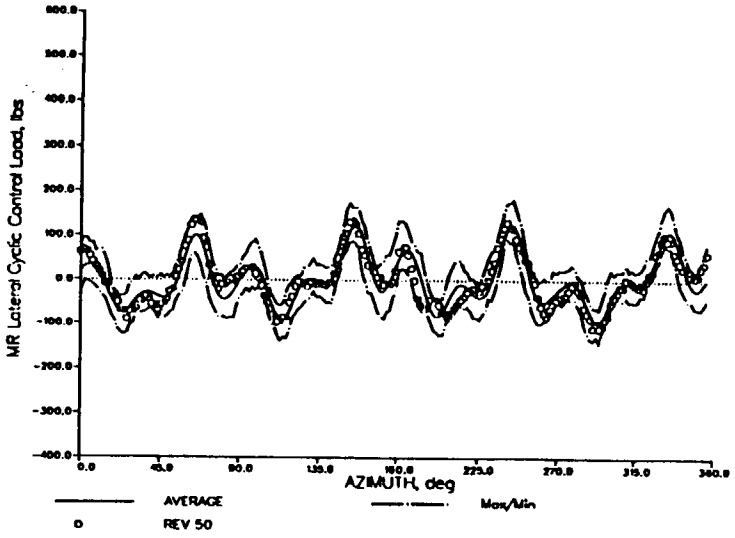

LYNX FLT503, COND E
P2403; MEAN= 8.941E+02; 1/2PP= 6.561E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND E
P3103; MEAN= 5.191E+02; 1/2PP= 1.400E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

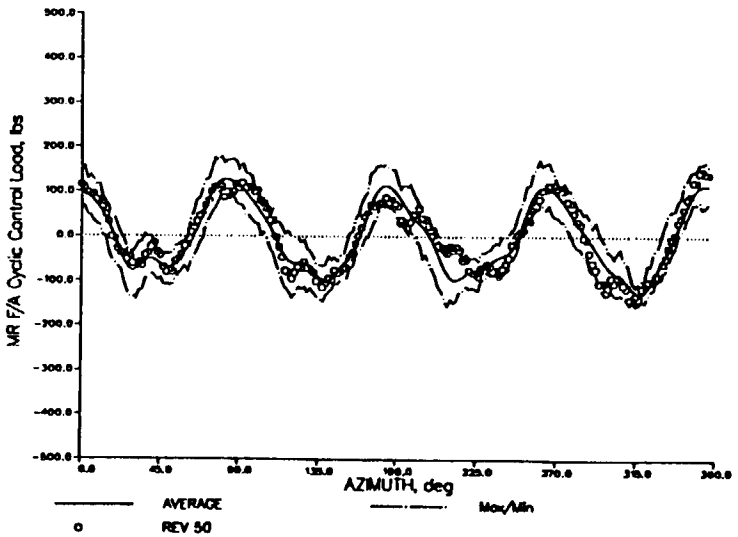
LYNX FLT503, COND E
P2803; MEAN=-1.298E+03; 1/2PP= 1.121E+03



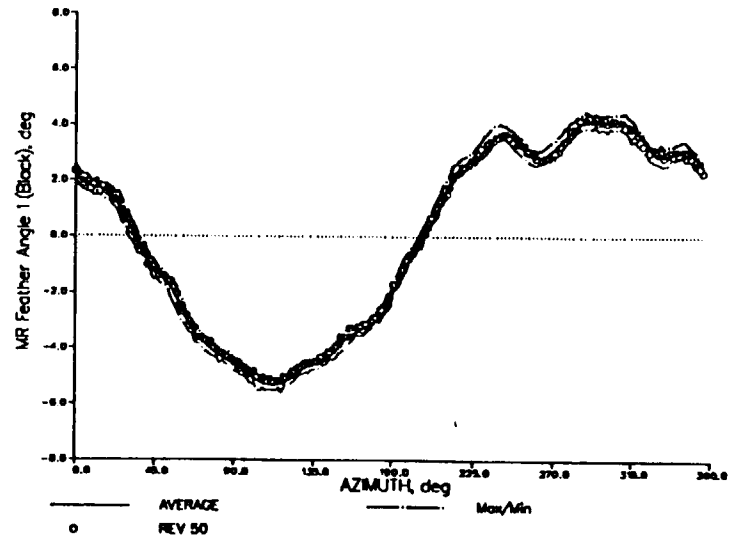
LYNX FLT503, COND E
P3203; MEAN=-2.085E+02; 1/2PP= 1.105E+02

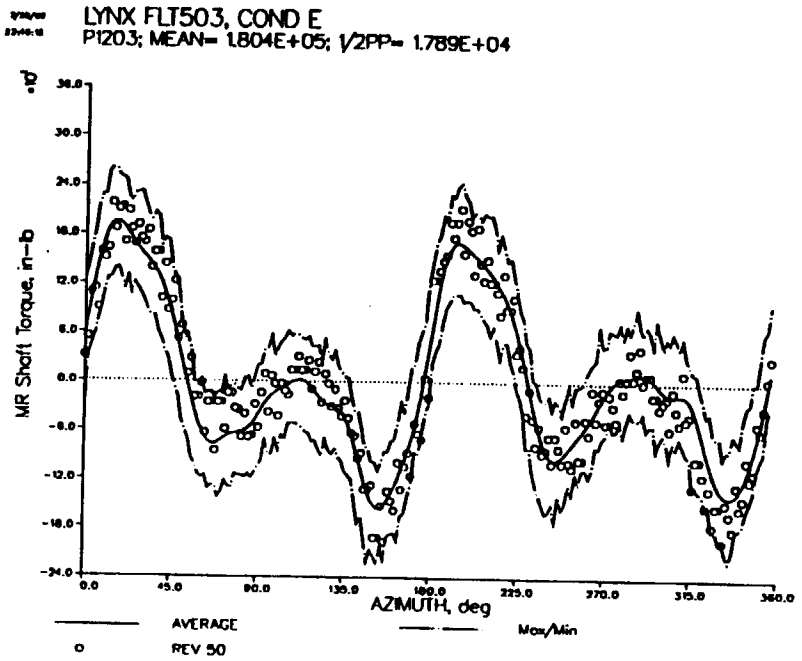


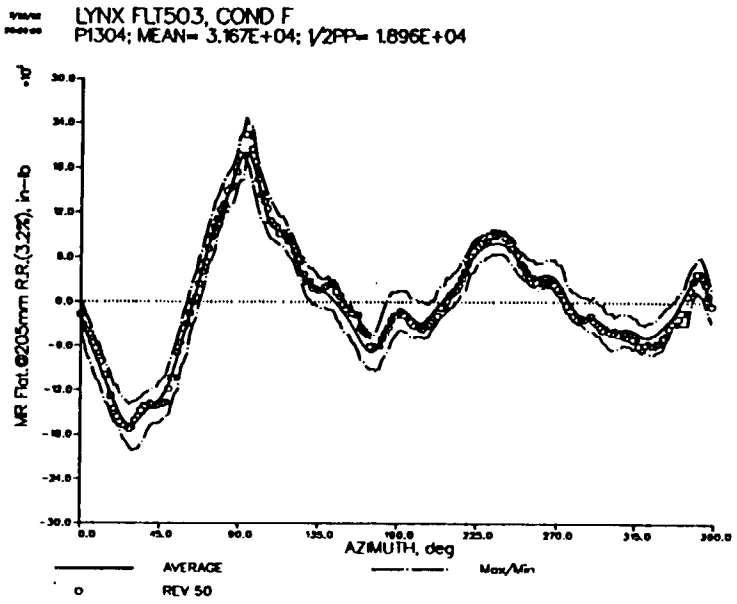
LYNX FLT503, COND E
P2903; MEAN= 1.189E+02; 1/2PP= 1.313E+02

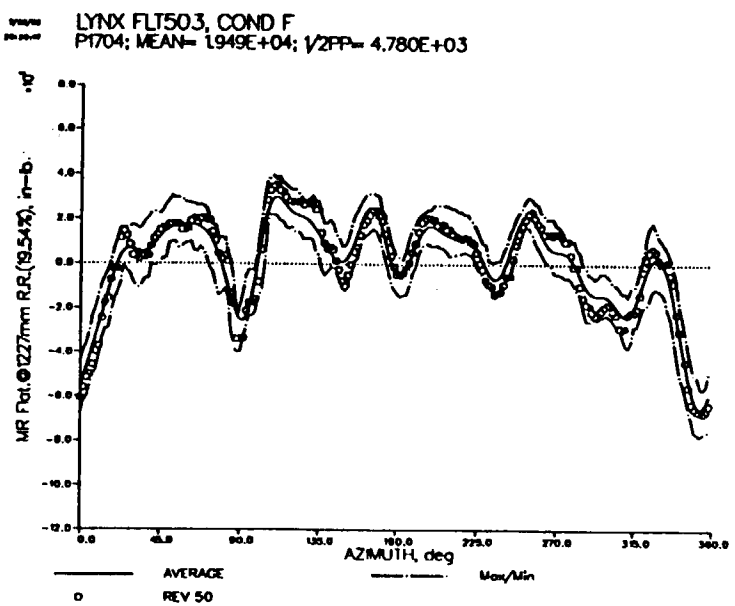


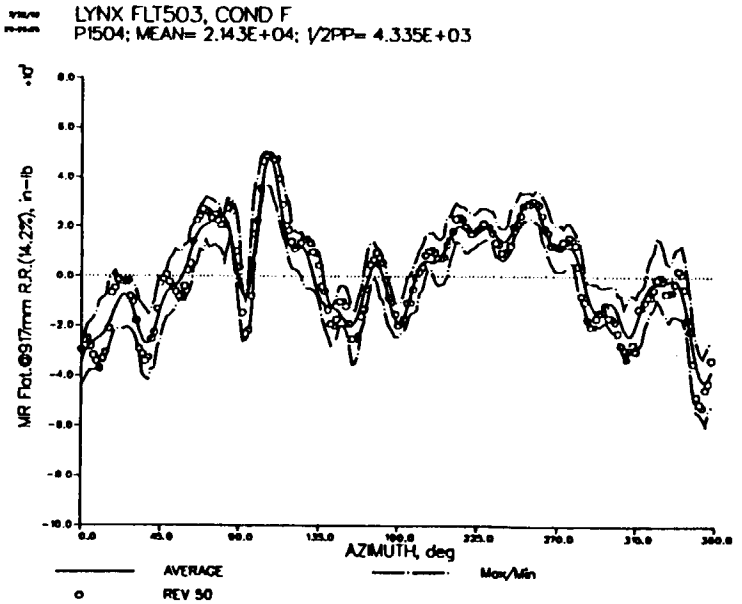
LYNX FLT503, COND E
P3003; MEAN= 1.546E+01; 1/2PP= 4.757E+00

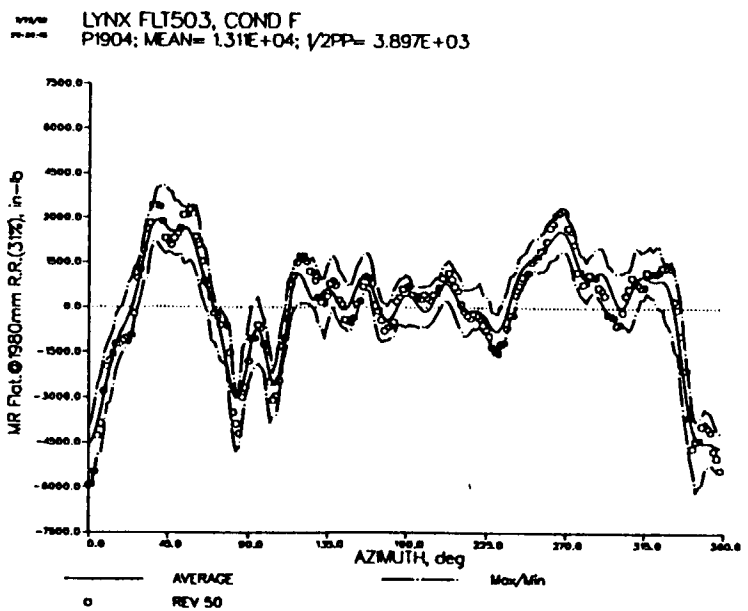



LYNX FLT503, COND E
P1203; MEAN= 1.804E+05; 1/2PP= 1.789E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

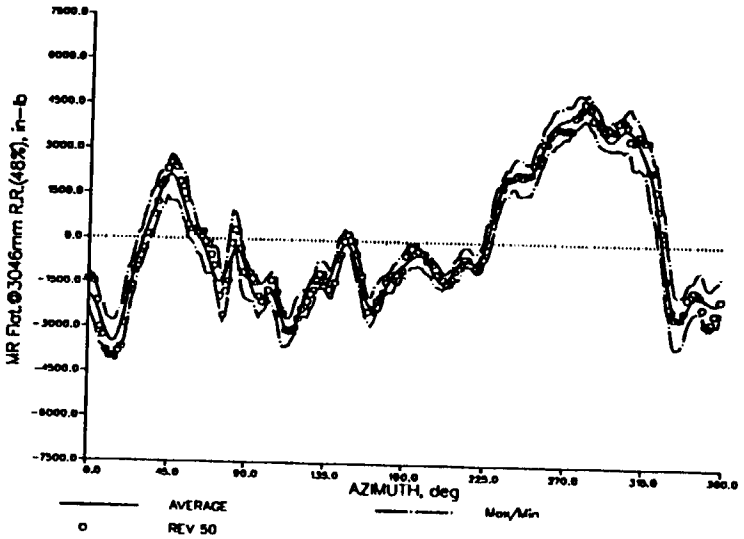

LYNX FLT503, COND F
P1304; MEAN= 3.167E+04; 1/2PP= 1.896E+04
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND F
P1704; MEAN= 1.949E+04; 1/2PP= 4.780E+03
MR Flat.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

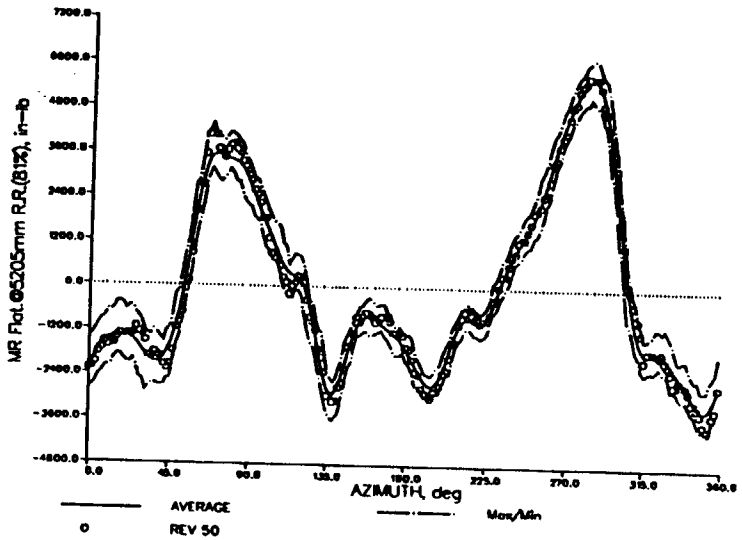

LYNX FLT503, COND F
P1504; MEAN= 2.143E+04; 1/2PP= 4.335E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND F
P1904; MEAN= 1.311E+04; 1/2PP= 3.897E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

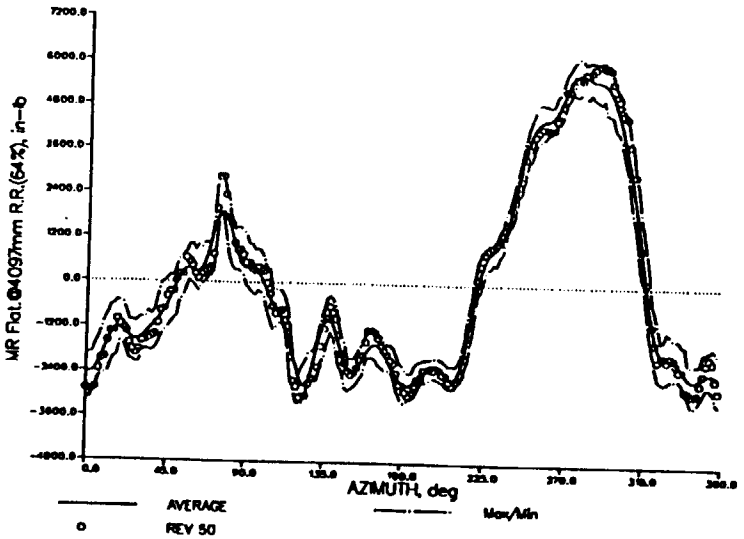
LYNX FLT503, COND F
P2104; MEAN= 5.055E+03; 1/2PP= 3.999E+03



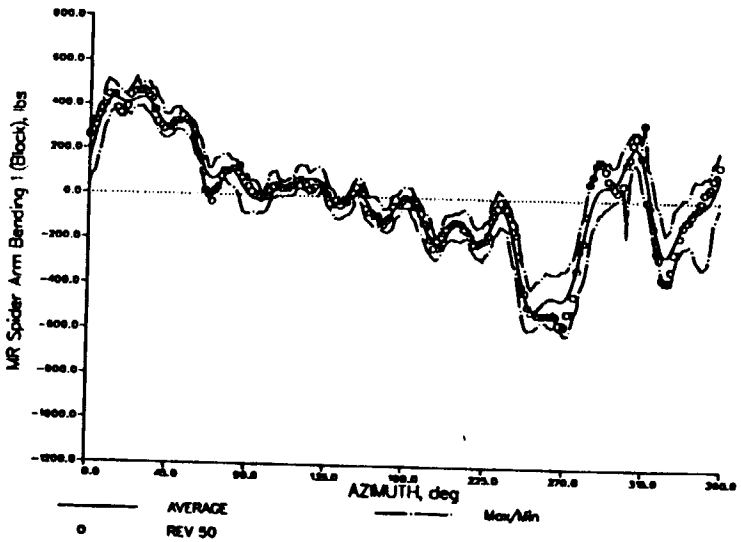
LYNX FLT503, COND F
P2504; MEAN=-4.859E+03; 1/2PP= 4.491E+03



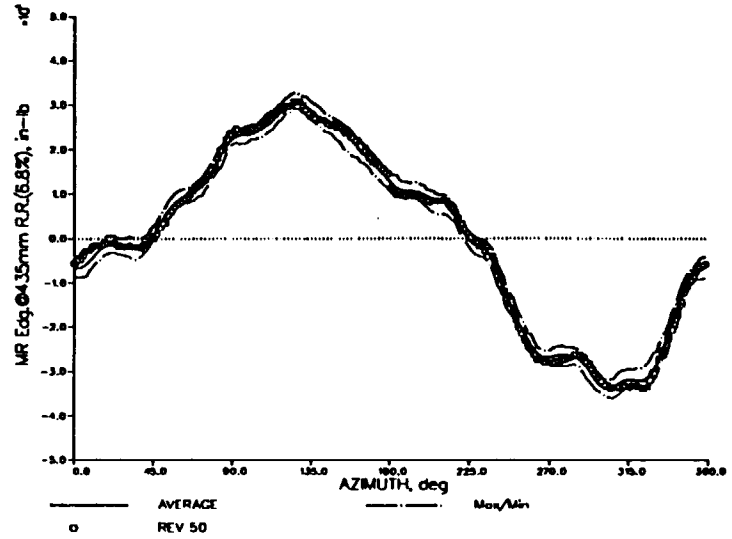
LYNX FLT503, COND F
P2304; MEAN=-4.924E+02; 1/2PP= 4.270E+03



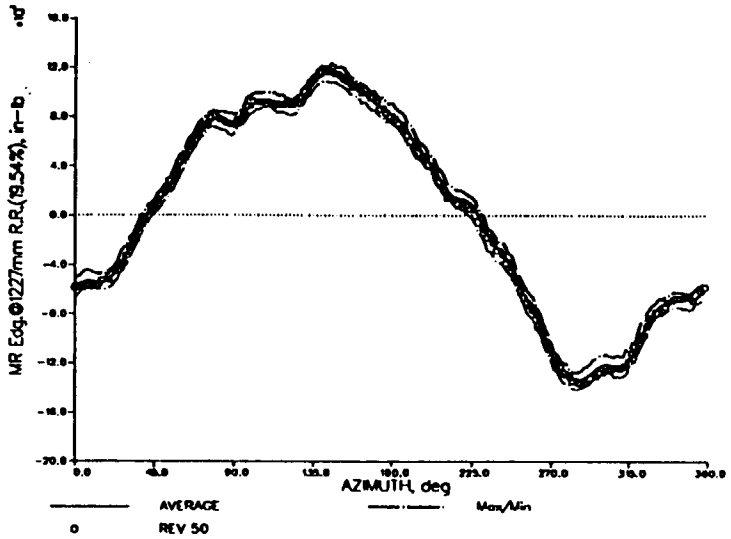
LYNX FLT503, COND F
P3304; MEAN=-7.708E+01; 1/2PP= 4.675E+02



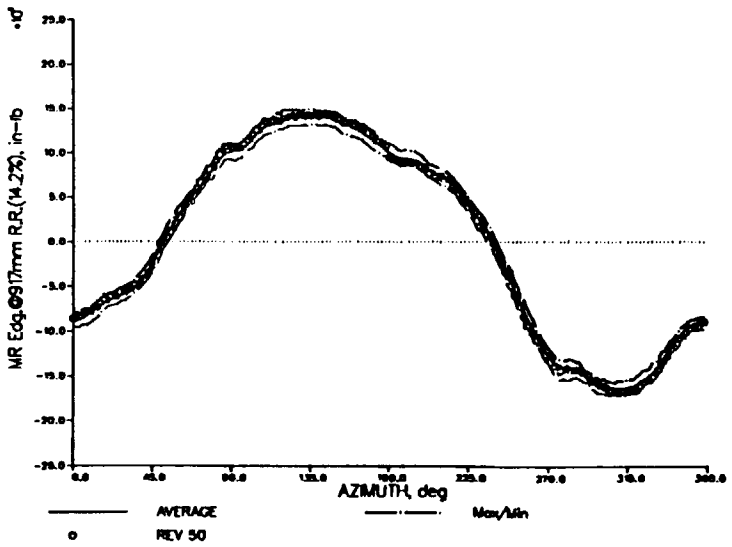
LYNX FLT503, COND F
P1404; MEAN= 8.081E+02; 1/2PP= 3.227E+04



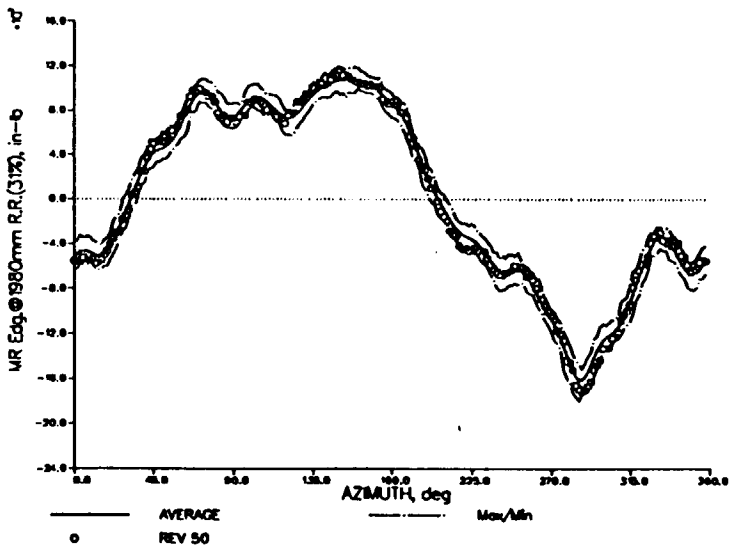
LYNX FLT503, COND F
P1804; MEAN= 1.000E+03; 1/2PP= 1.244E+04



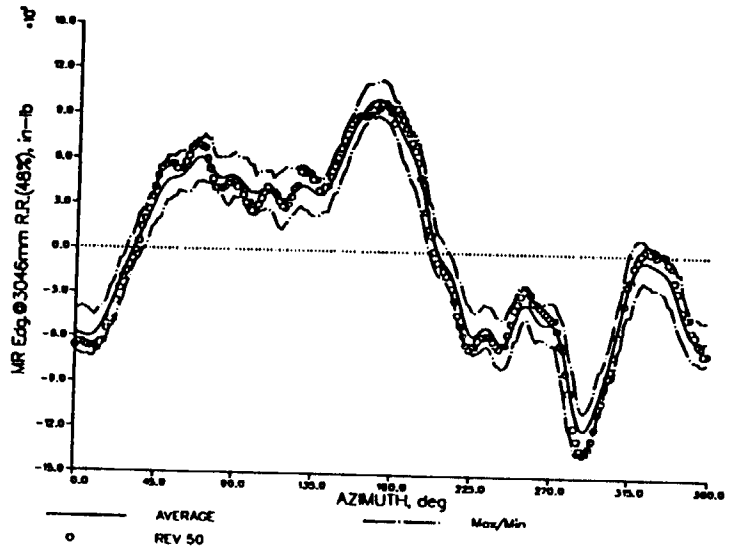
LYNX FLT503, COND F
P1604; MEAN= 3.789E+03; 1/2PP= 1.522E+04



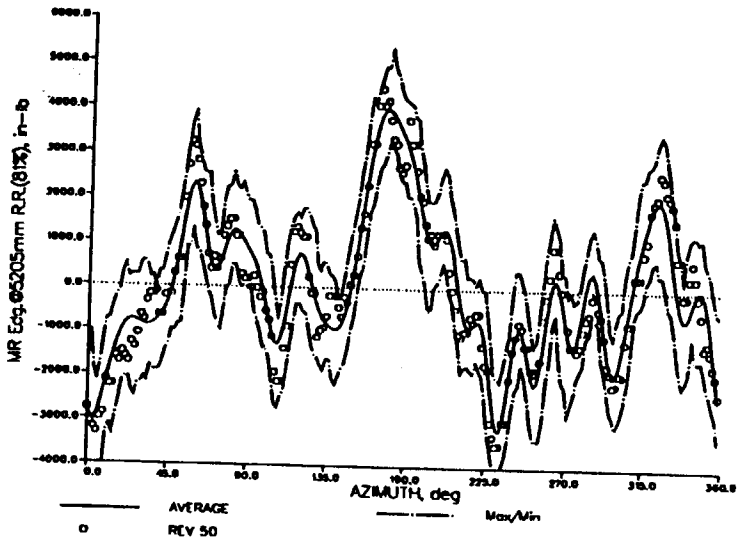
LYNX FLT503, COND F
P2004; MEAN=-3.959E+03; 1/2PP= 1.348E+04



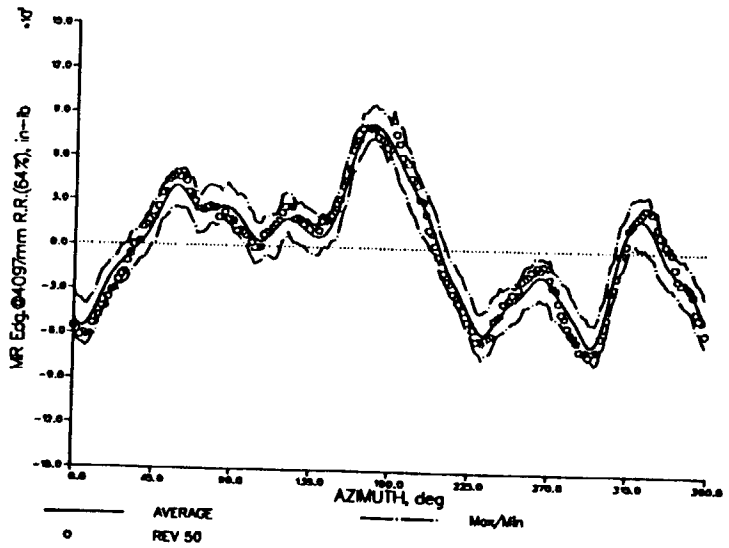
LYNX FLT503, COND F
P2204; MEAN=-2.102E+03; 1/2PP= 1.098E+04



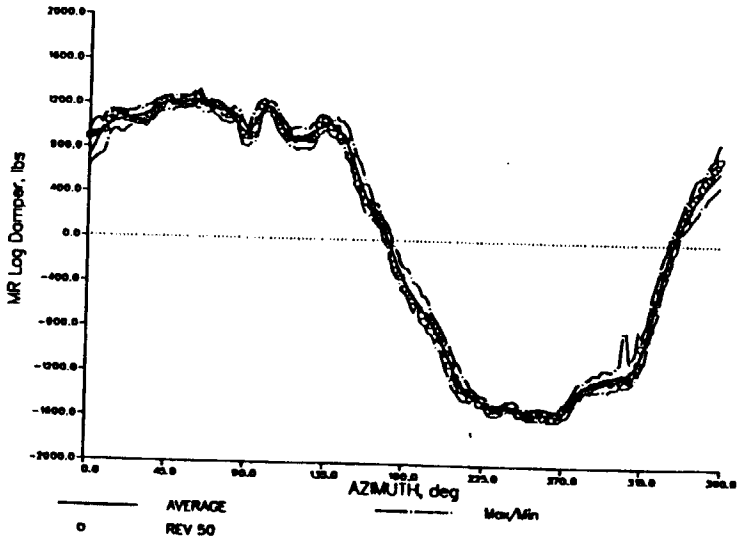
LYNX FLT503, COND F
P2604; MEAN=-4.840E+03; 1/2PP= 3.661E+03



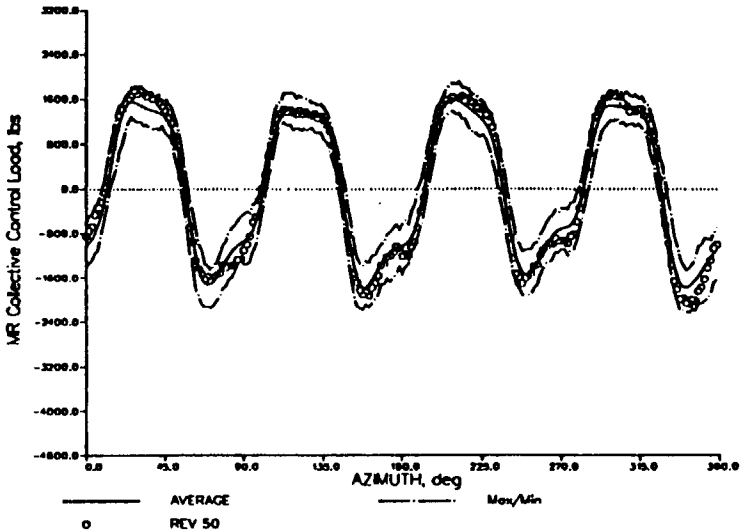
LYNX FLT503, COND F
P2404; MEAN= 1.210E+03; 1/2PP= 7.369E+03



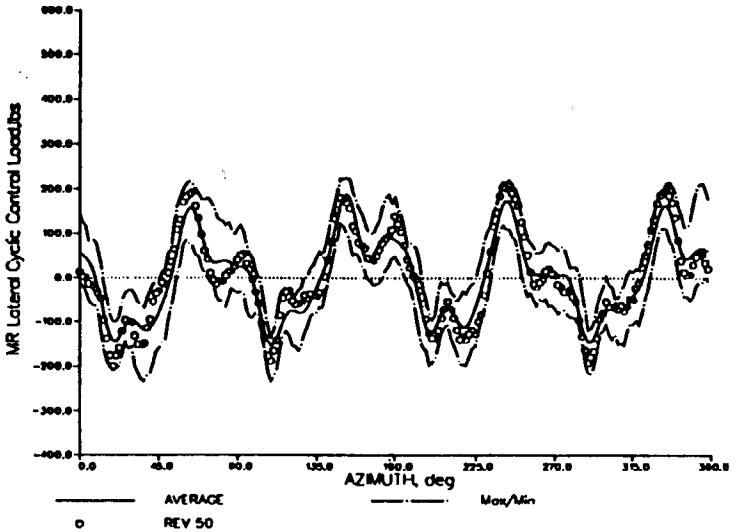
LYNX FLT503, COND F
P3104; MEAN= 5.207E+02; 1/2PP= 1.395E+03



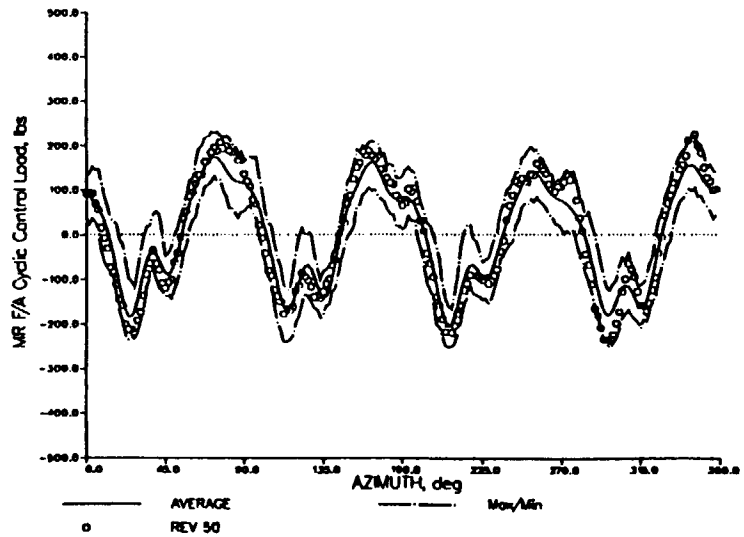
LYNX FLT503, COND F
P2804; MEAN=-1.560E+03; V2PP= 1.687E+03



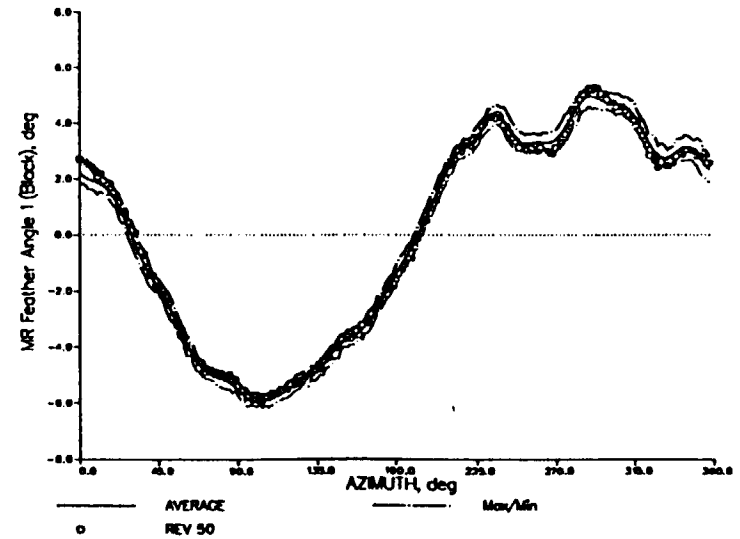
LYNX FLT503, COND F
P3204; MEAN=-2.315E+02; V2PP= 1.798E+02

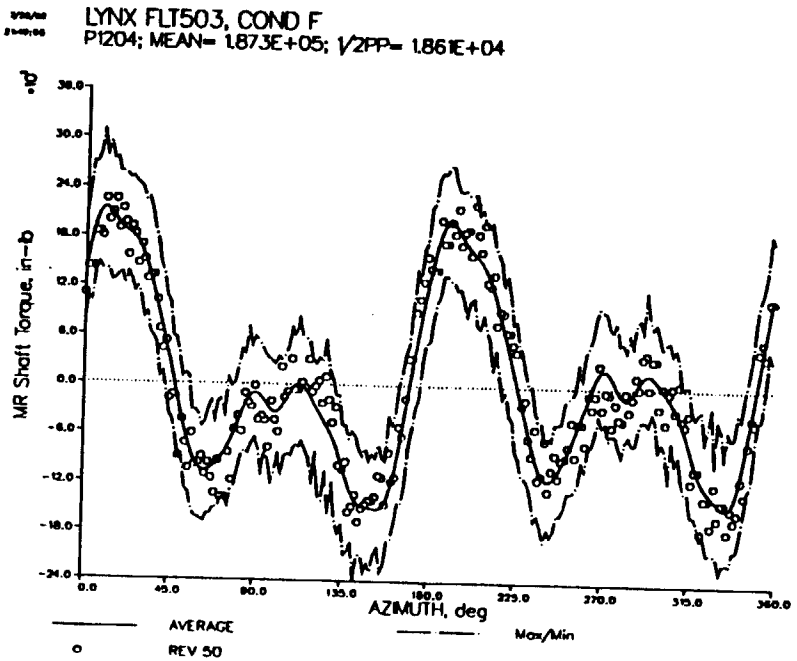


LYNX FLT503, COND F
P2904; MEAN= 1.643E+02; V2PP= 1.890E+02

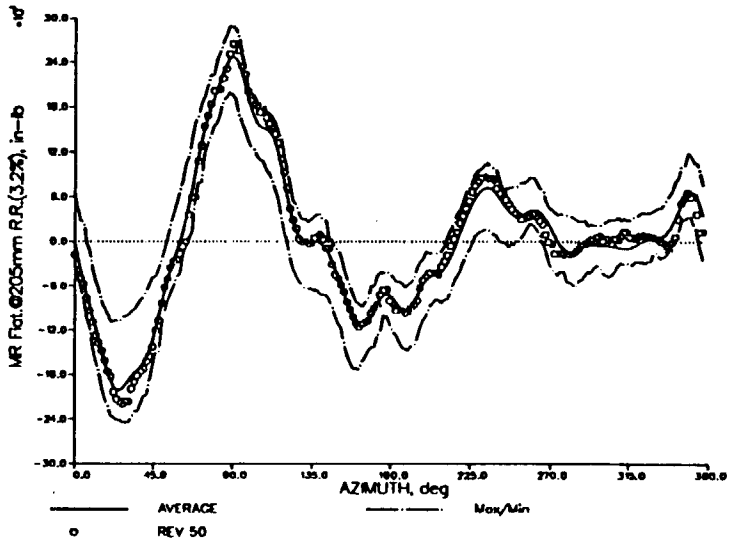


LYNX FLT503, COND F
P3004; MEAN= 1.581E+01; V2PP= 5.461E+00

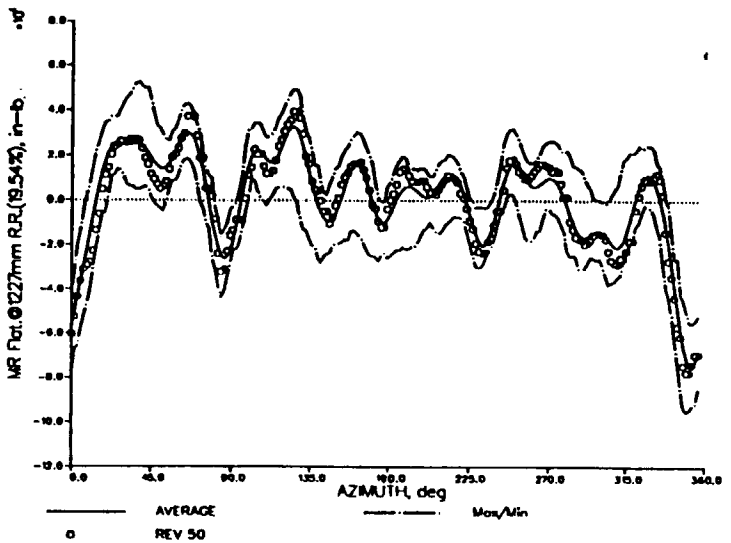



LYNX FLT503, COND F
P1204; MEAN= 1.873E+05; 1/2PP= 1.861E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

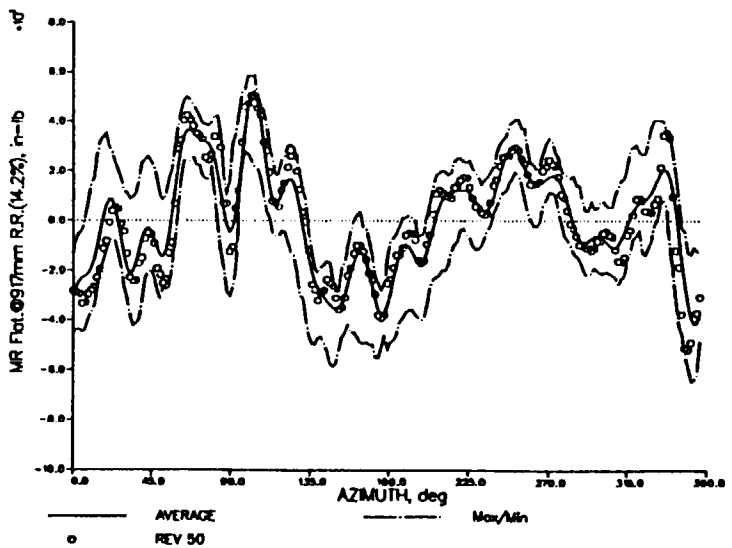
LYNX FLT503, COND G
P1305; MEAN= 3.229E+04; 1/2PP= 2.293E+04



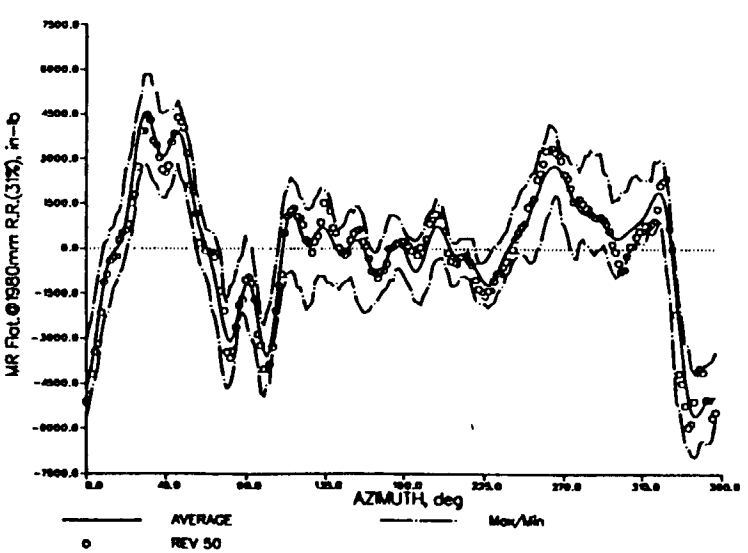
LYNX FLT503, COND G
P1705; MEAN= 1.977E+04; 1/2PP= 5.352E+03



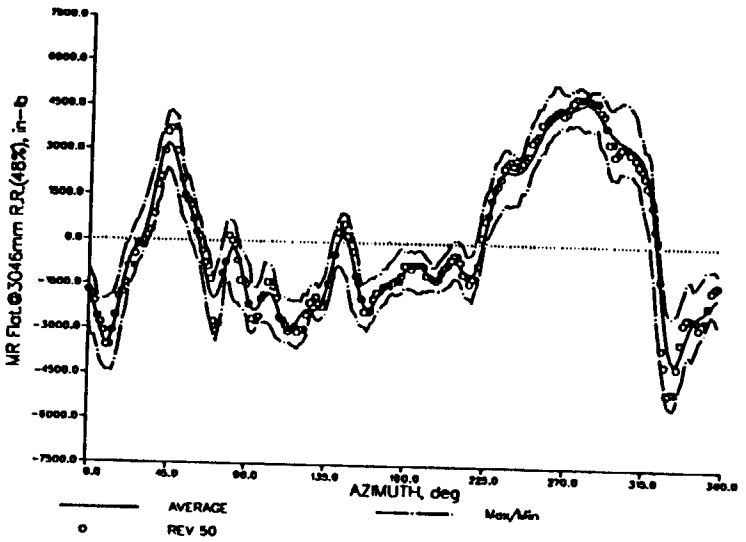
LYNX FLT503, COND G
P1505; MEAN= 2.135E+04; 1/2PP= 4.328E+03



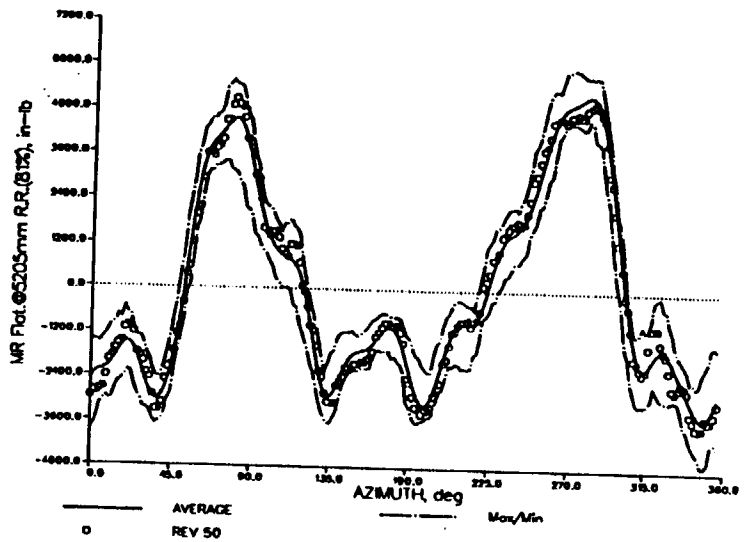
LYNX FLT503, COND G
P1905; MEAN= 1.333E+04; 1/2PP= 4.960E+03



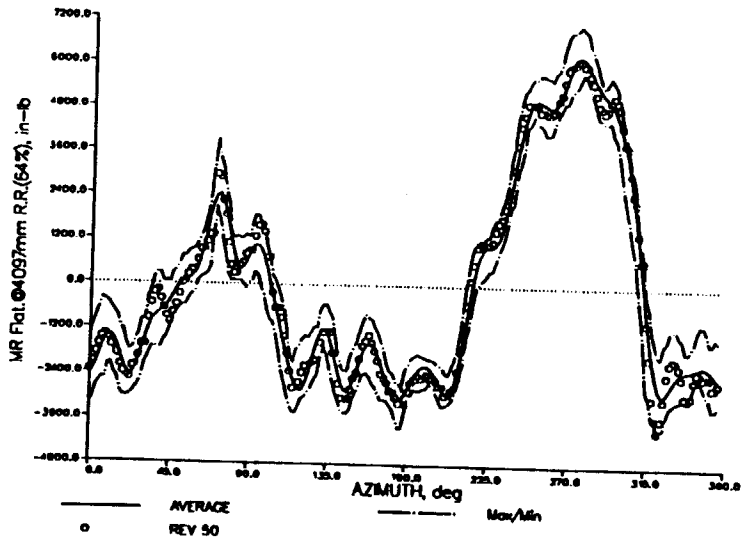
LYNX FLT503, COND G
P2105; MEAN= 5.068E+03; 1/2PP= 4.375E+03



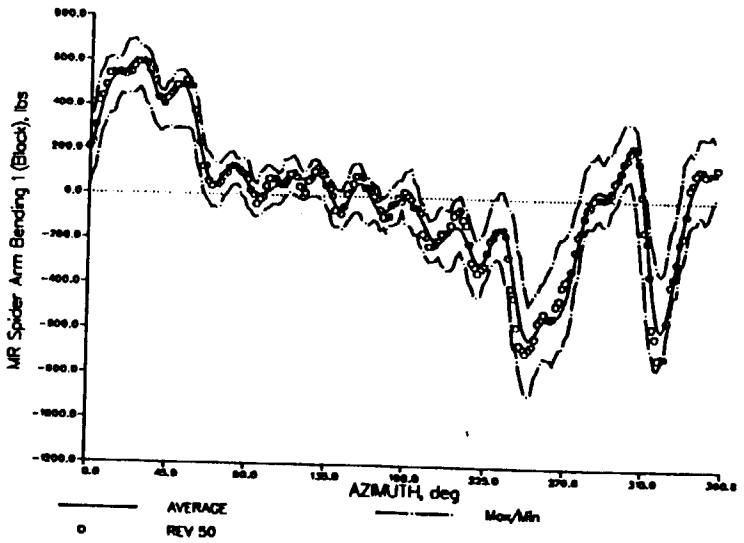
LYNX FLT503, COND G
P2505; MEAN=-4.954E+03; 1/2PP= 4.328E+03



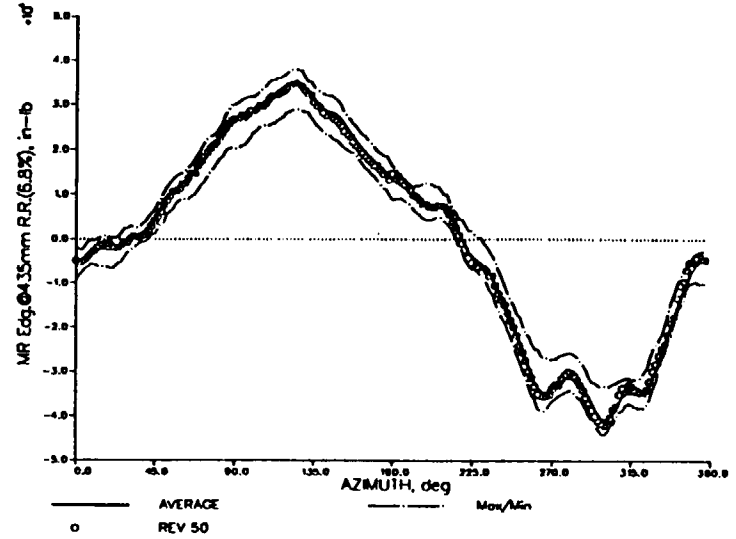
LYNX FLT503, COND G
P2305; MEAN=-5.026E+02; 1/2PP= 4.709E+03



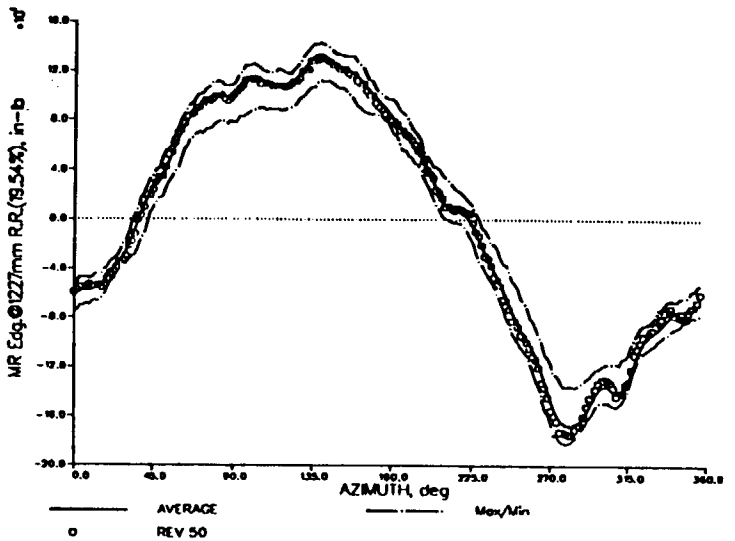
LYNX FLT503, COND G
P3305; MEAN=-1.218E+02; 1/2PP= 6.052E+02



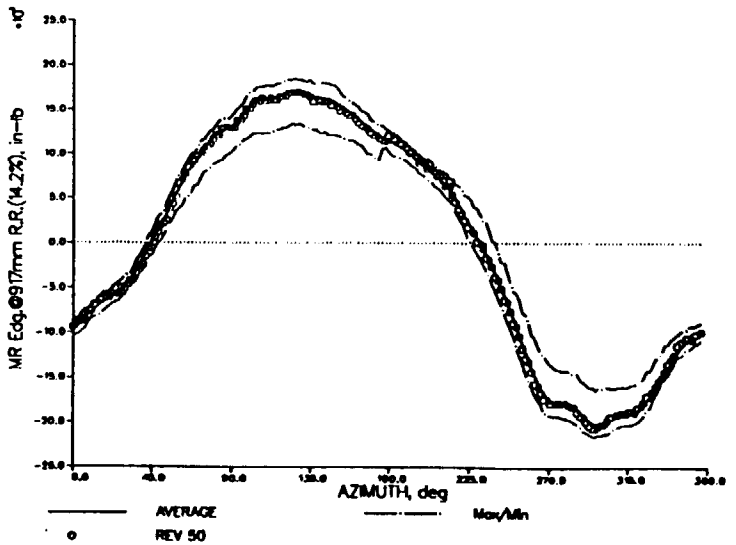
LYNX FLT503, COND G
P1405; MEAN= 7.037E+03; 1/2PP= 3.804E+04



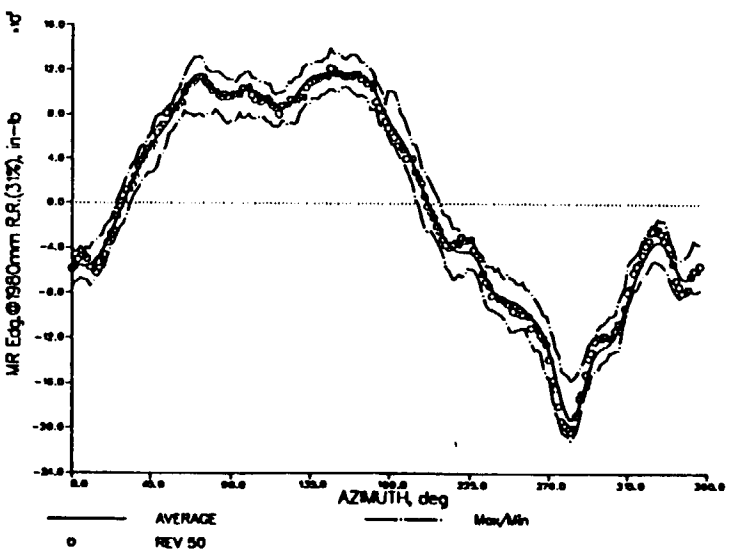
LYNX FLT503, COND G
P1805; MEAN= 3.210E+03; 1/2PP= 1.509E+04

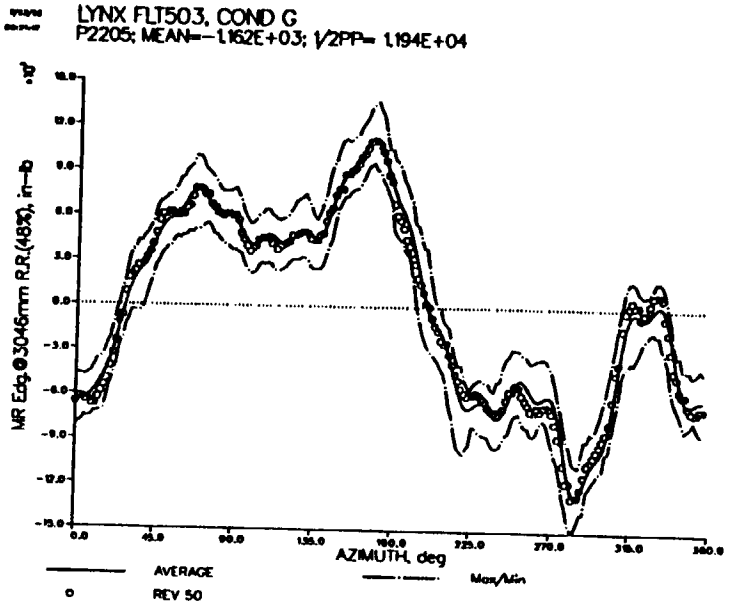


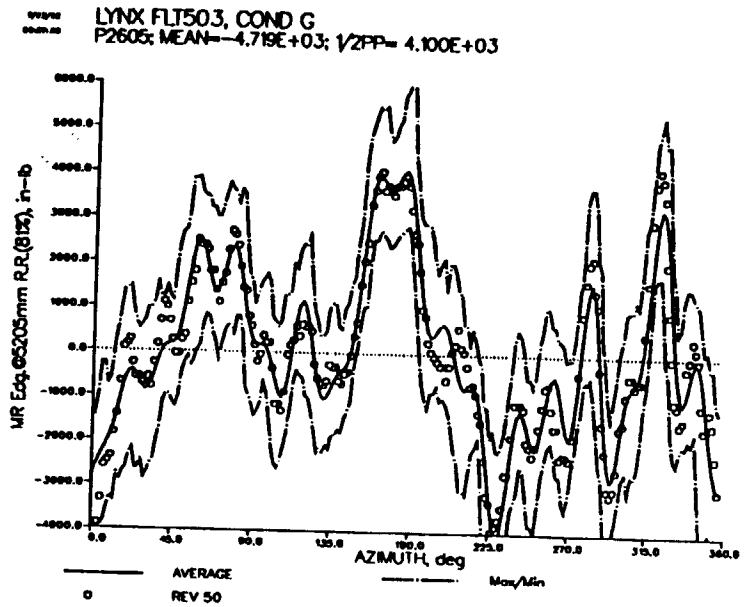
LYNX FLT503, COND G
P1605; MEAN= 7.160E+03; 1/2PP= 1.862E+04

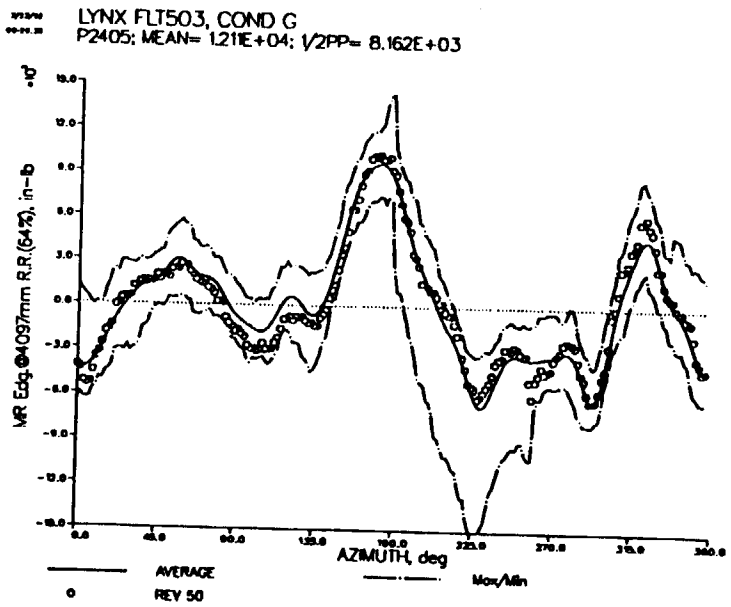


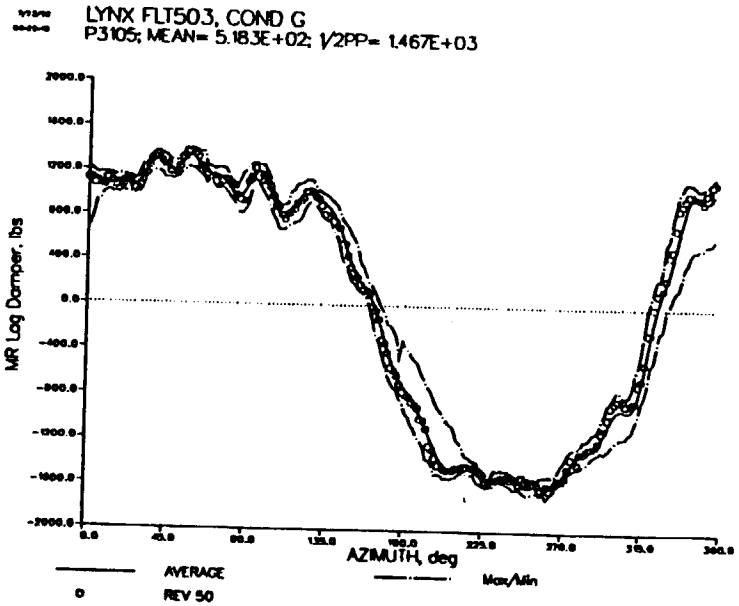
LYNX FLT503, COND G
P2005; MEAN=-2.333E+03; 1/2PP= 1.550E+04



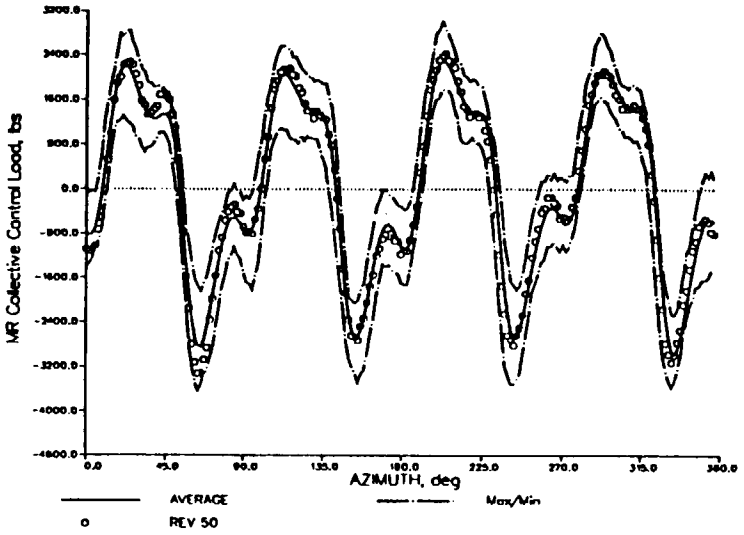

LYNX FLT503, COND G
P2205; MEAN=-1.162E+03; 1/2PP= 1.194E+04
MR Edg,@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND G
P2605; MEAN=-4.719E+03; 1/2PP= 4.100E+03
MR Edg,@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

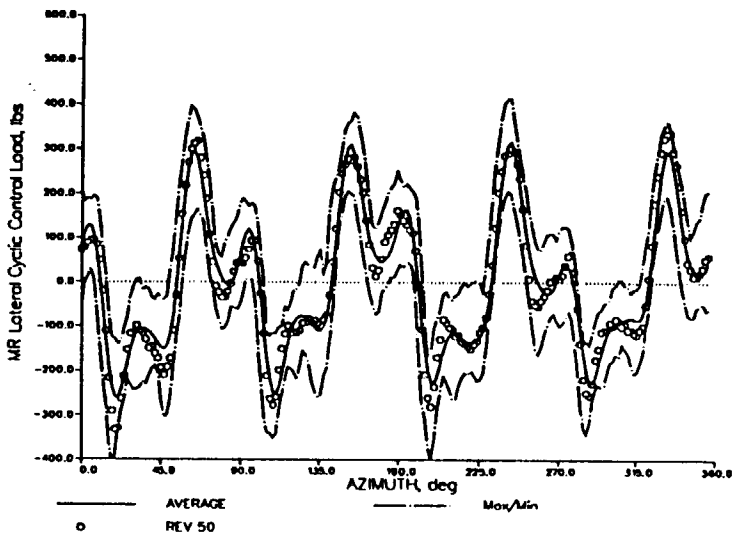

LYNX FLT503, COND G
P2405; MEAN= 1.211E+04; 1/2PP= 8.162E+03
MR Edg,@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND G
P3105; MEAN= 5.183E+02; 1/2PP= 1.467E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

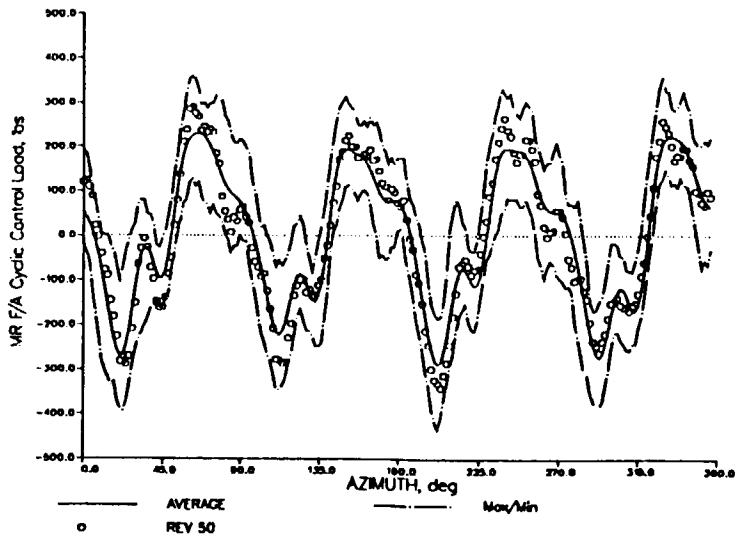
LYNX FLT503, COND G
P2805; MEAN=-2.058E+03; 1/2PP= 2.631E+03



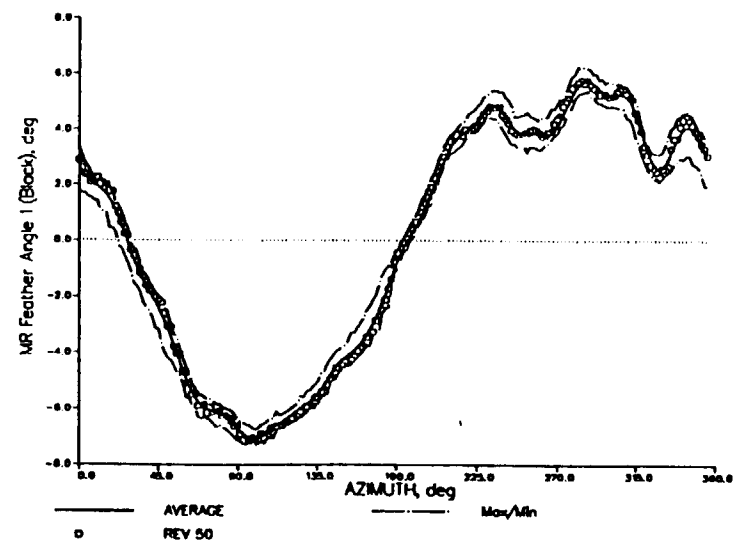
LYNX FLT503, COND G
P3205; MEAN=-2.731E+02; 1/2PP= 2.857E+02

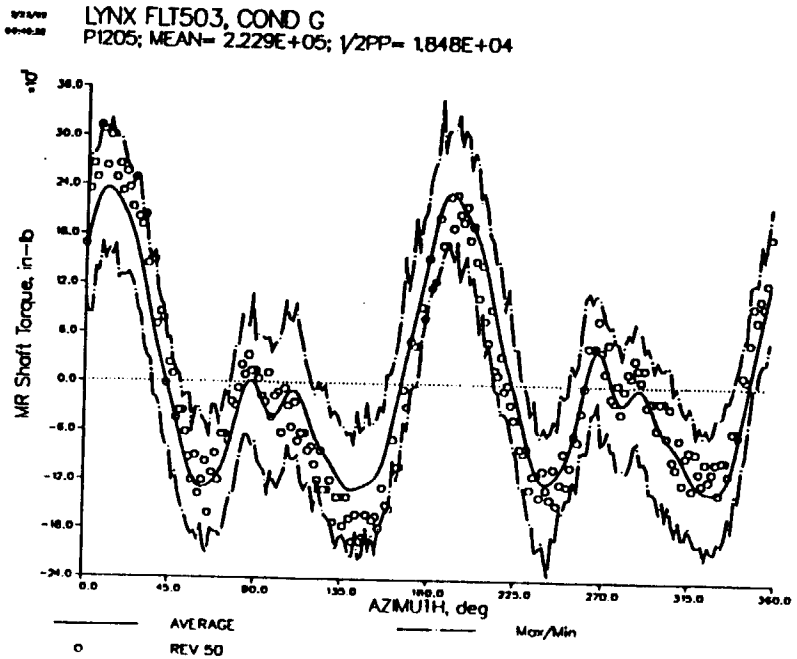


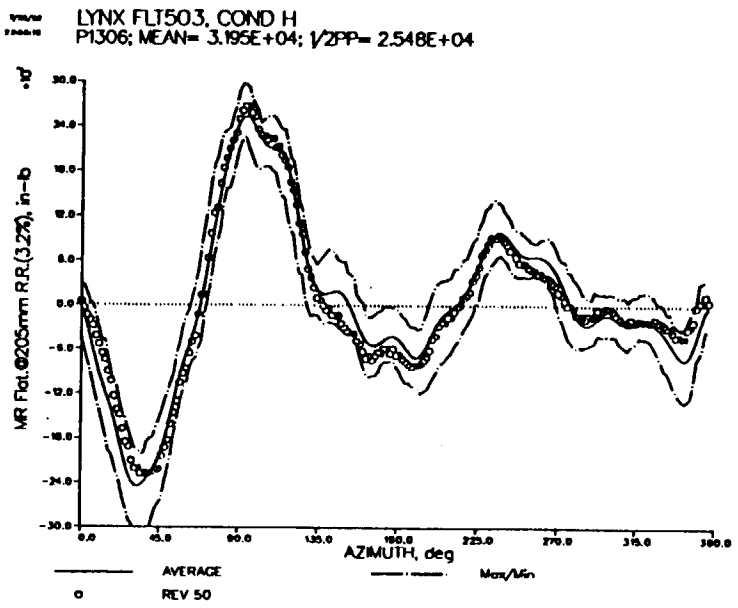
LYNX FLT503, COND G
P2905; MEAN= 2.518E+02; 1/2PP= 2.706E+02

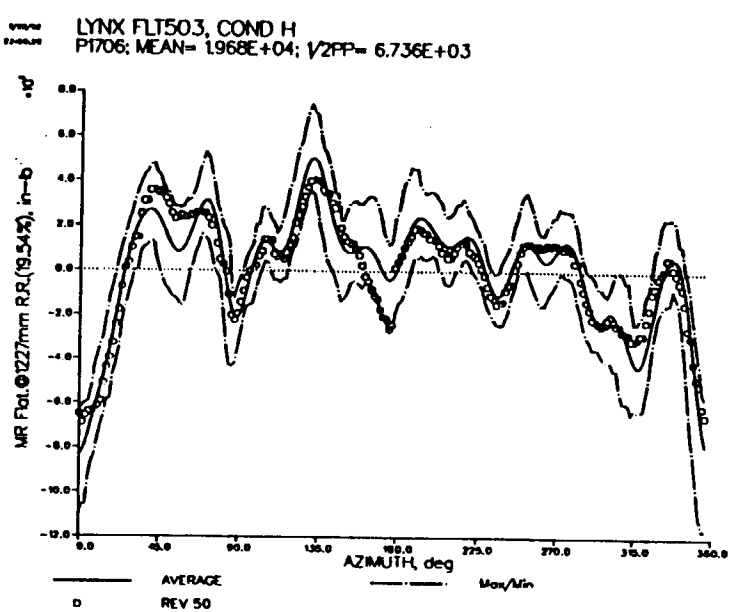


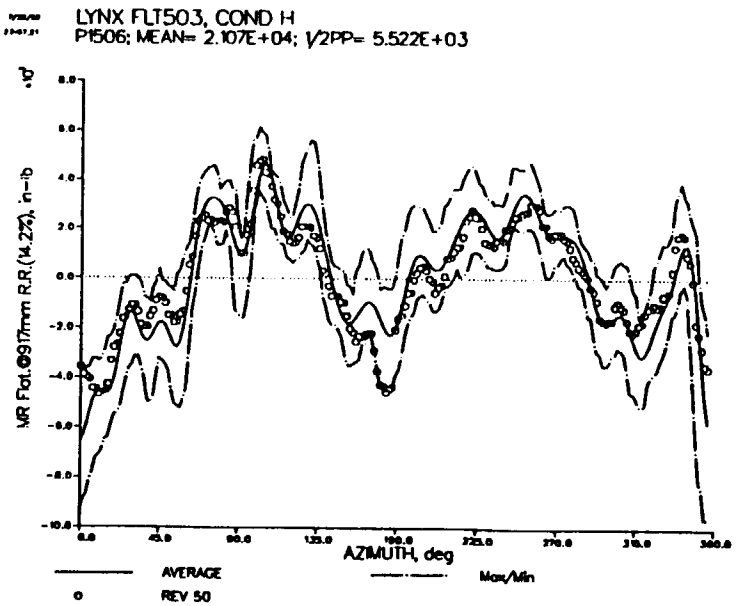
LYNX FLT503, COND G
P3005; MEAN= 1.728E+01; 1/2PP= 6.432E+00

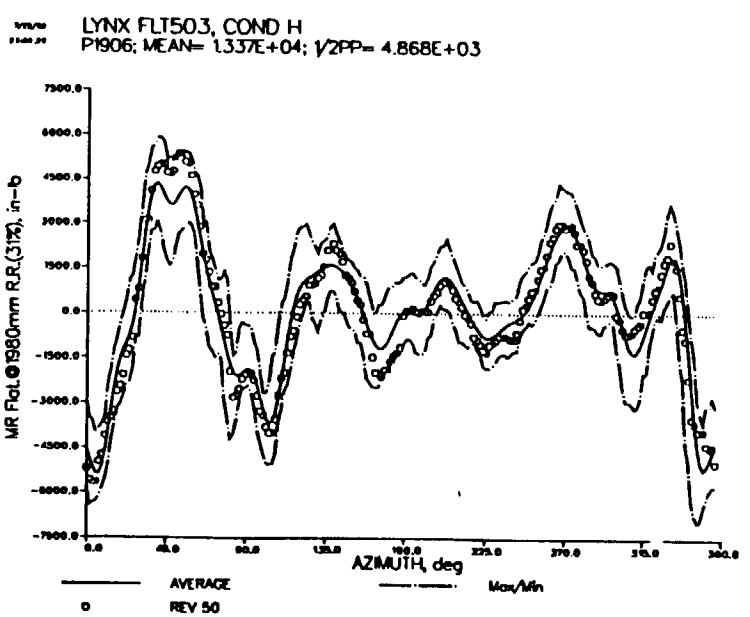



LYNX FLT503, COND G
P1205; MEAN= 2.229E+05; 1/2PP= 1.848E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

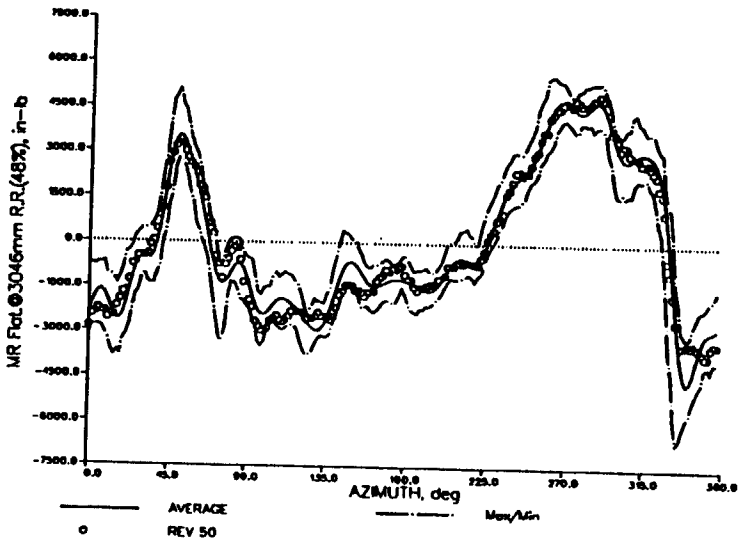

LYNX FLT503, COND H
P1306; MEAN= 3.195E+04; √2PP= 2.548E+04
MR Flat.@205mm R.R.(3.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND H
P1706; MEAN= 1.968E+04; √2PP= 6.736E+03
MR Flat.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

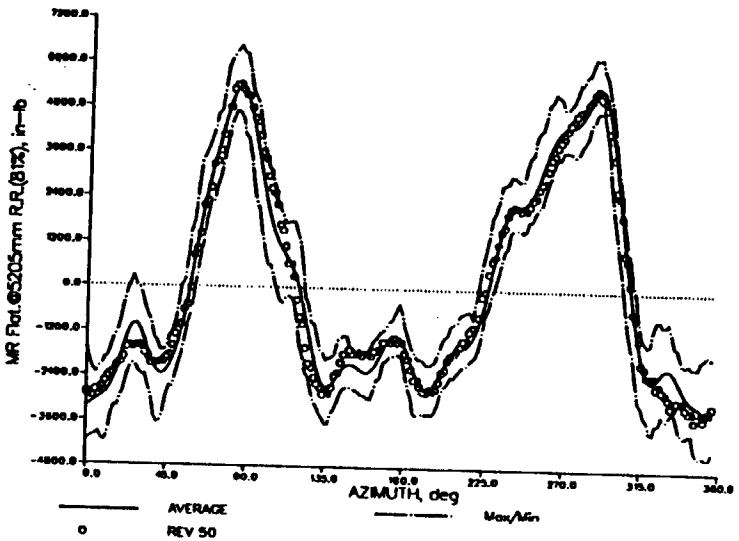

LYNX FLT503, COND H
P1506; MEAN= 2.107E+04; √2PP= 5.522E+03
MR Flat.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND H
P1906; MEAN= 1.337E+04; √2PP= 4.868E+03
MR Flat.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

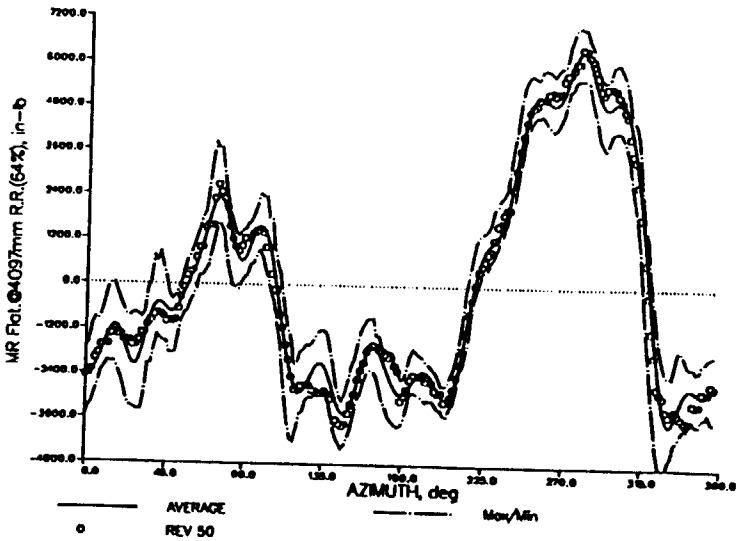
LYNX FLT503, COND H
P2106; MEAN= 5.084E+03; V2PP= 4.727E+03



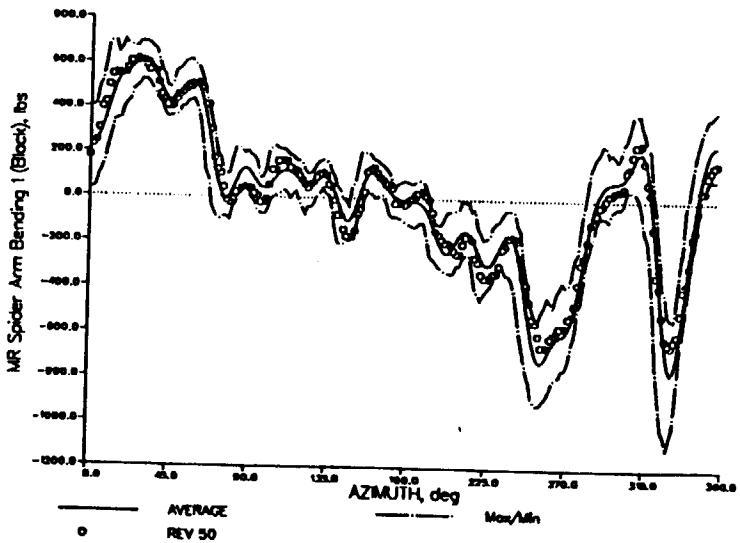
LYNX FLT503, COND H
P2506; MEAN=-4.958E+03; V2PP= 4.380E+03

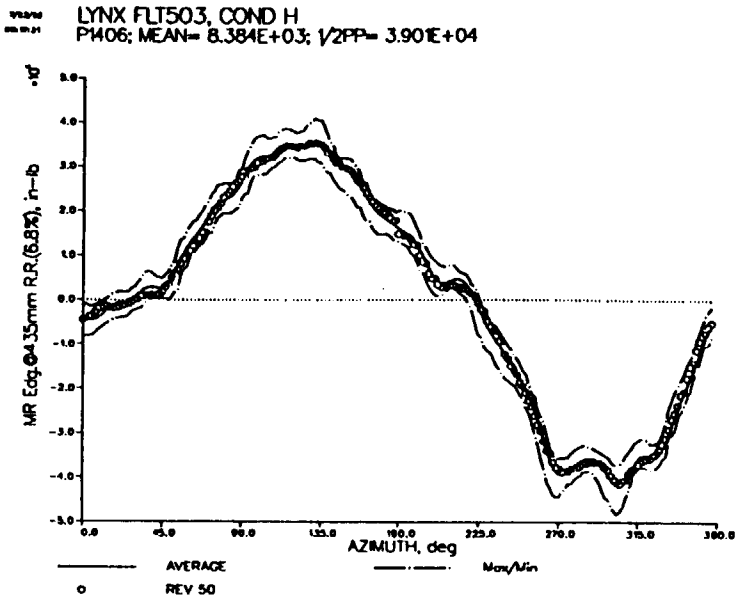


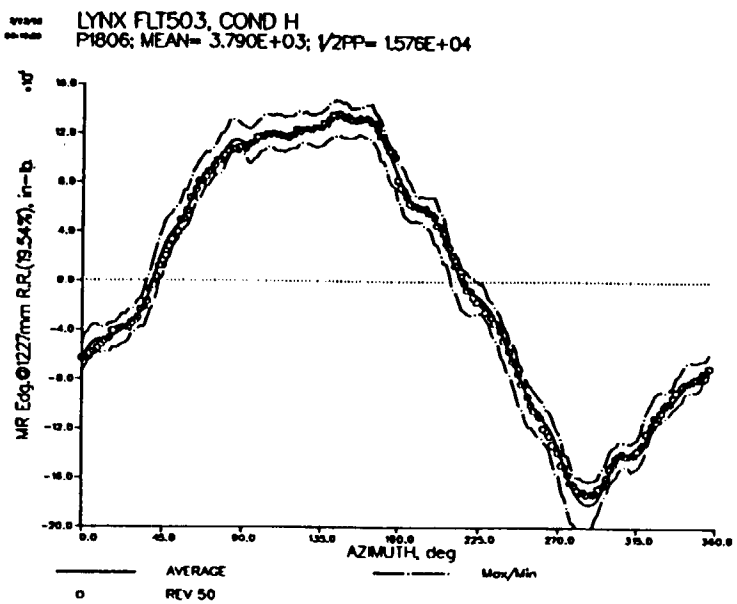
LYNX FLT503, COND H
P2306; MEAN=-5.347E+02; V2PP= 4.981E+03

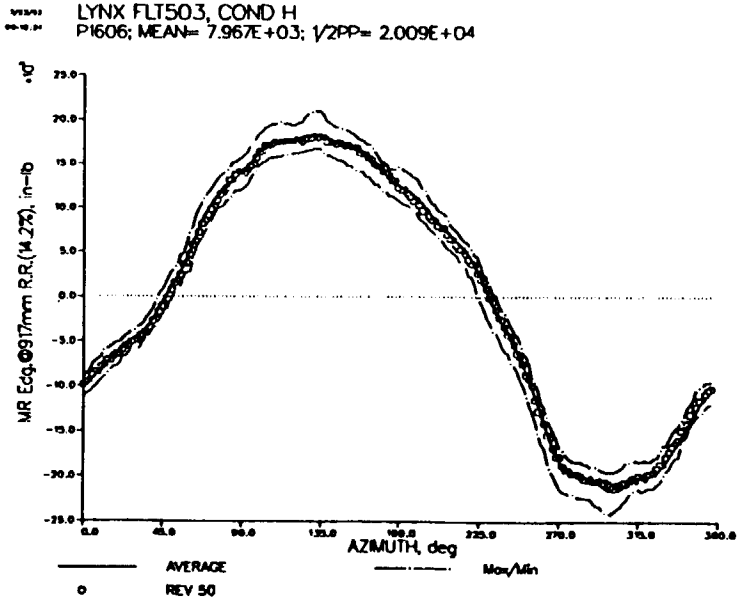


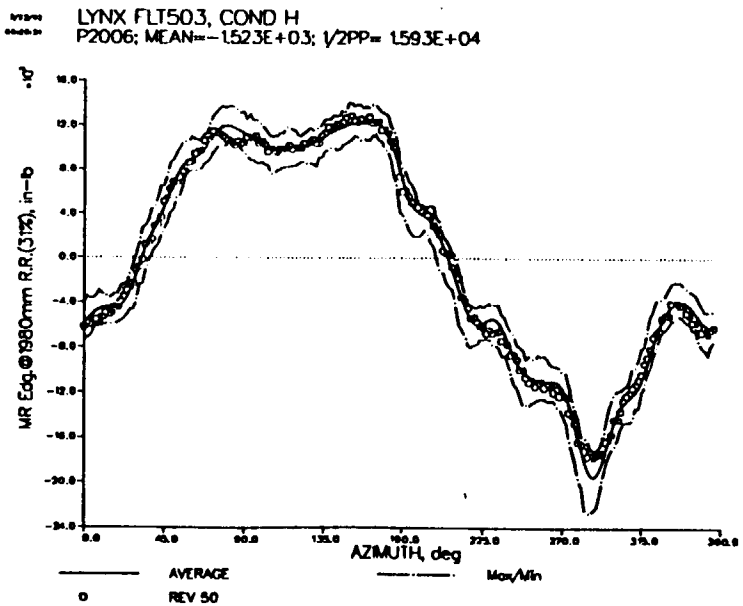
LYNX FLT503, COND H
P3306; MEAN=-1.450E+02; V2PP= 6.924E+02

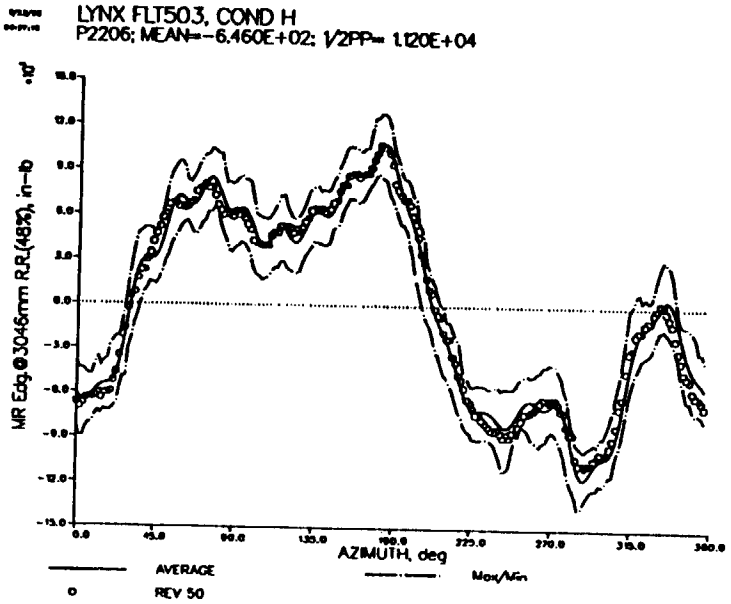


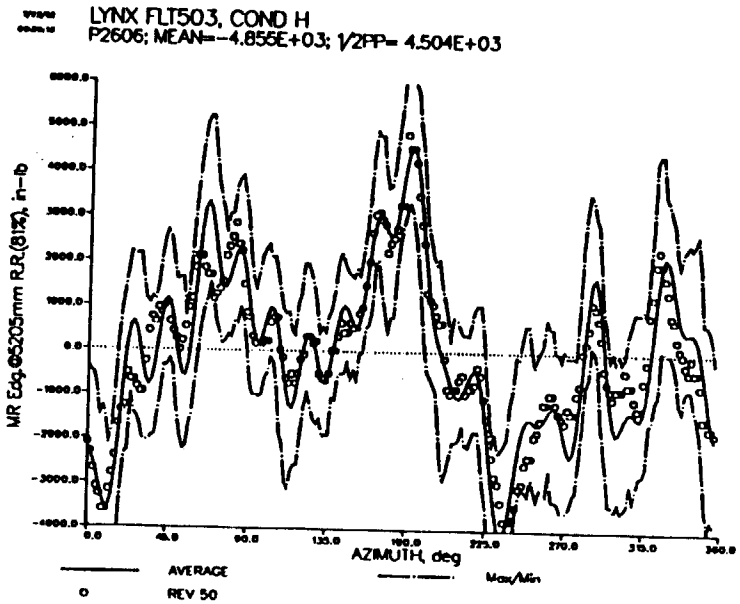

LYNX FLT503, COND H
P1406; MEAN= 8.384E+03; 1/2PP= 3.901E+04
MR Edg.@435mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

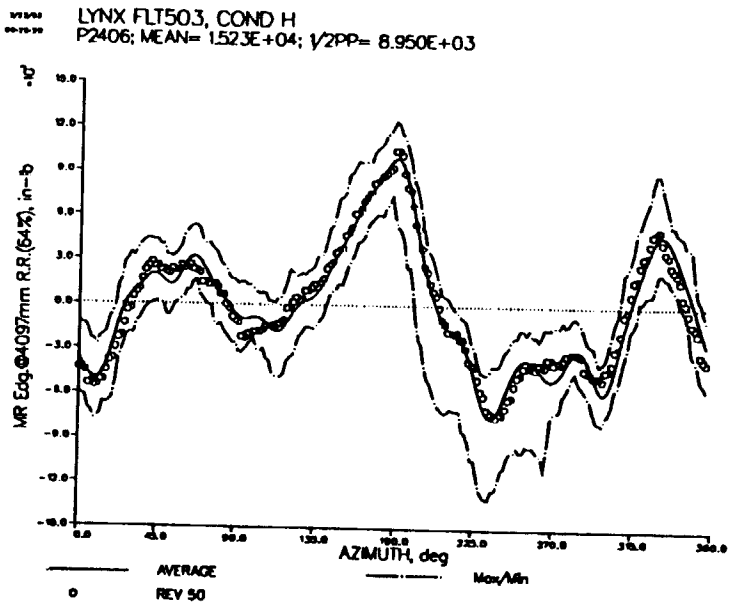

LYNX FLT503, COND H
P1806; MEAN= 3.790E+03; 1/2PP= 1.576E+04
MR Edg.@1227mm R.R.(19.34%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

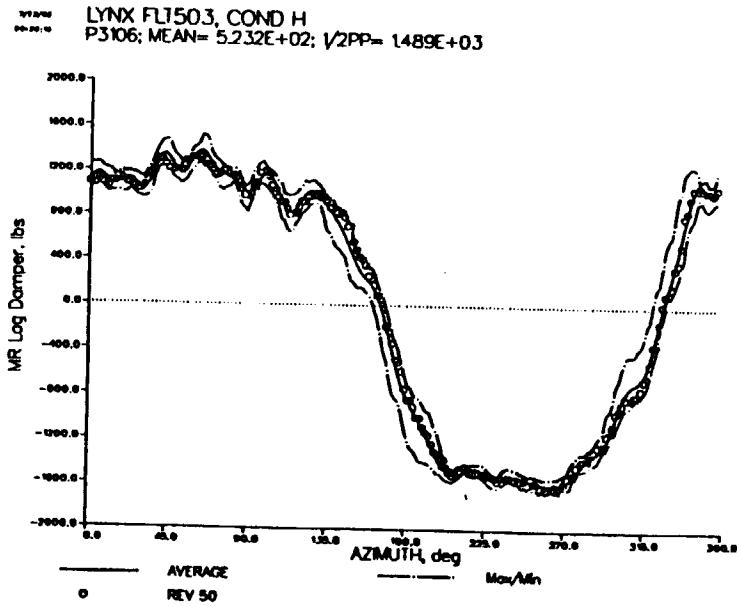

LYNX FLT503, COND H
P1606; MEAN= 7.967E+03; 1/2PP= 2.009E+04
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT503, COND H
P2006; MEAN=-1.523E+03; 1/2PP= 1.593E+04
MR Edg.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

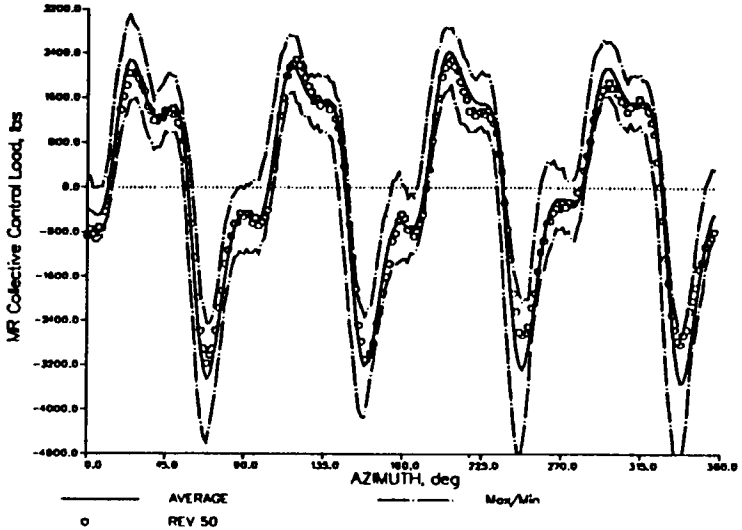

LYNX FLT503, COND H
P2206; MEAN=-6.460E+02; 1/2PP= 1.120E+04
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND H
P2606; MEAN=-4.855E+03; 1/2PP= 4.504E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

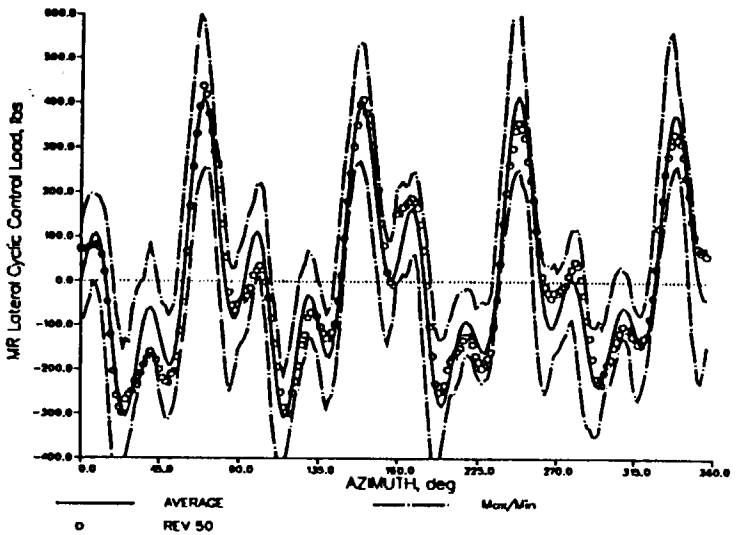

LYNX FLT503, COND H
P2406; MEAN= 1.523E+04; 1/2PP= 8.950E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT503, COND H
P3106; MEAN= 5.232E+02; 1/2PP= 1.489E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

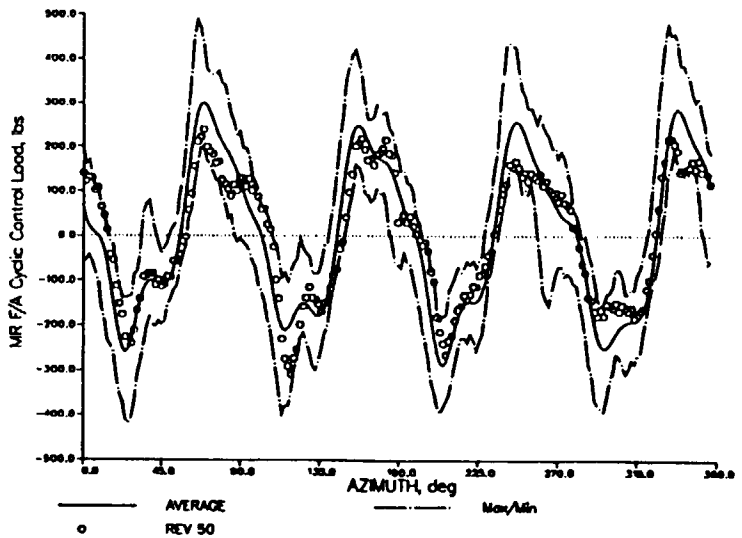
LYNX FLT503, COND H
P2806; MEAN=-2.407E+03; √2PP= 2.948E+03



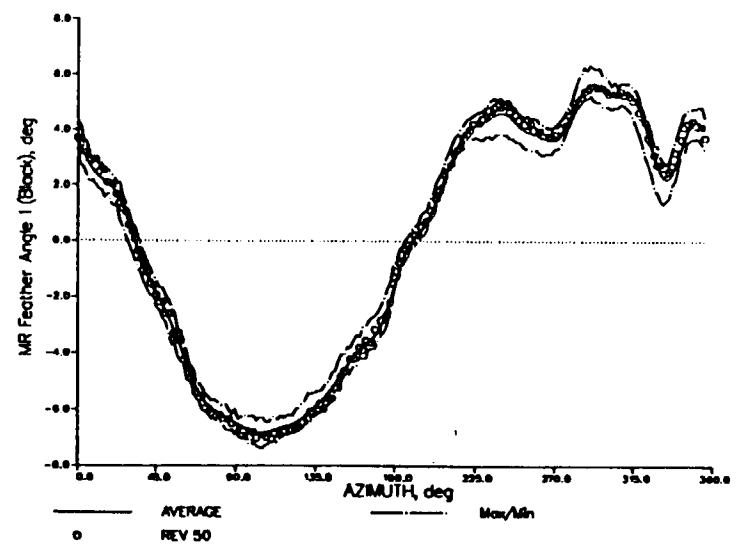
LYNX FLT503, COND H
P3206; MEAN=-2.722E+02; √2PP= 3.621E+02

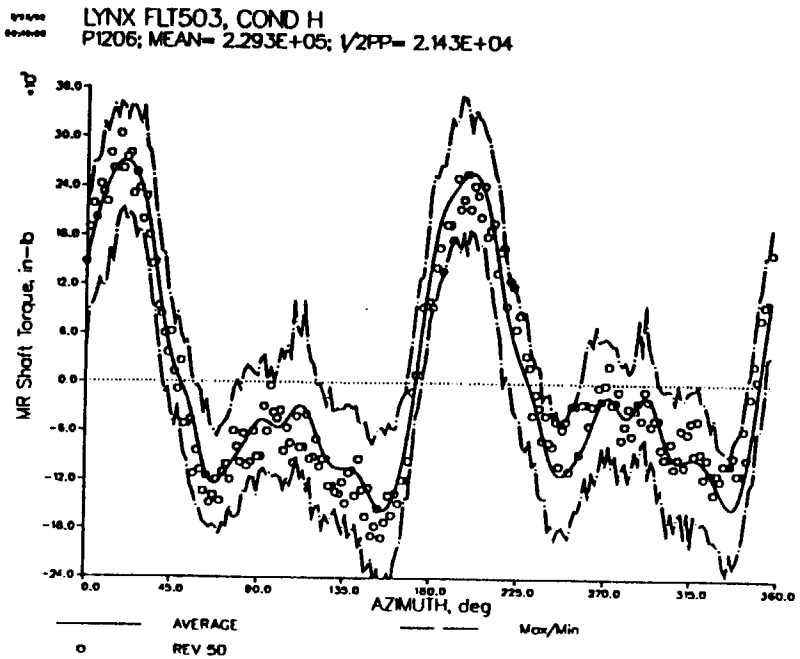


LYNX FLT503, COND H
P2906; MEAN= 3.067E+02; √2PP= 3.020E+02

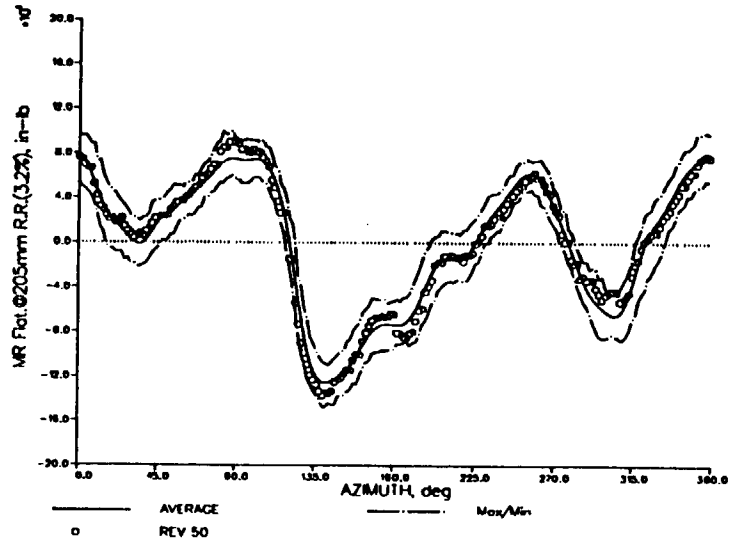


LYNX FLT503, COND H
P3006; MEAN= 1.770E+01; √2PP= 6.315E+00

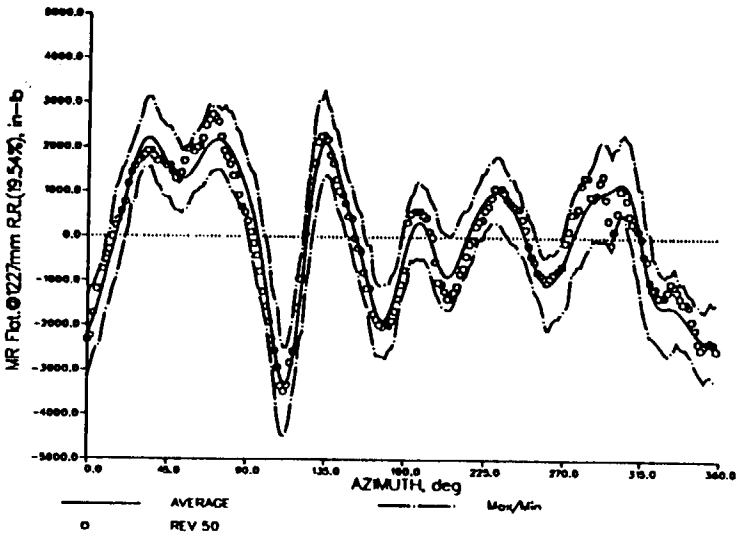



LYNX FLT503, COND H
P1206; MEAN= 2.293E+05; V2PP= 2.143E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

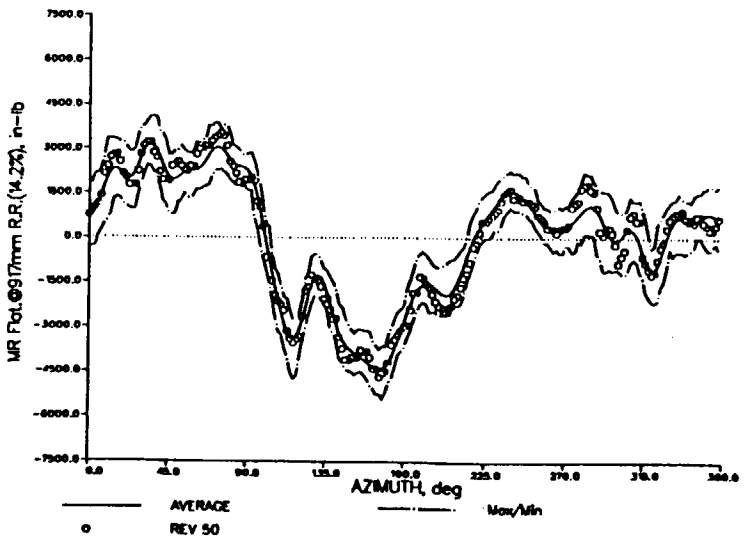
LYNX FLT504, COND A
P130t; MEAN= 3.080E+04; 1/2PP= 1.028E+04



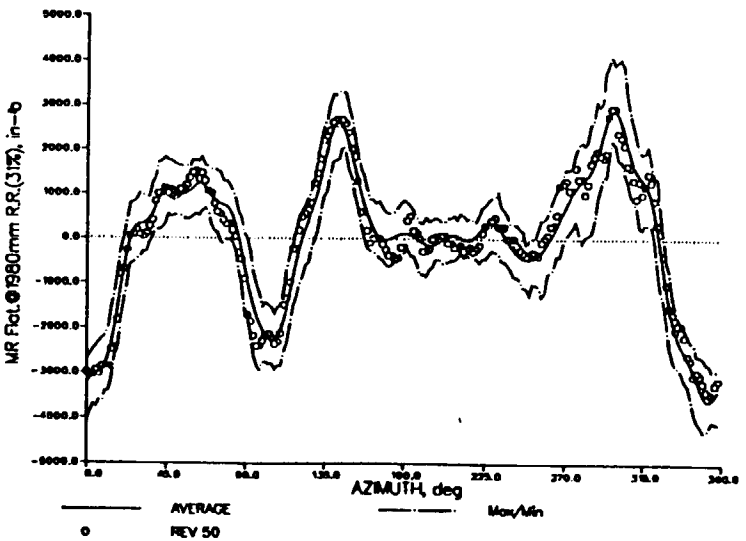
LYNX FLT504, COND A
P170t; MEAN= 1.939E+04; 1/2PP= 2.843E+03

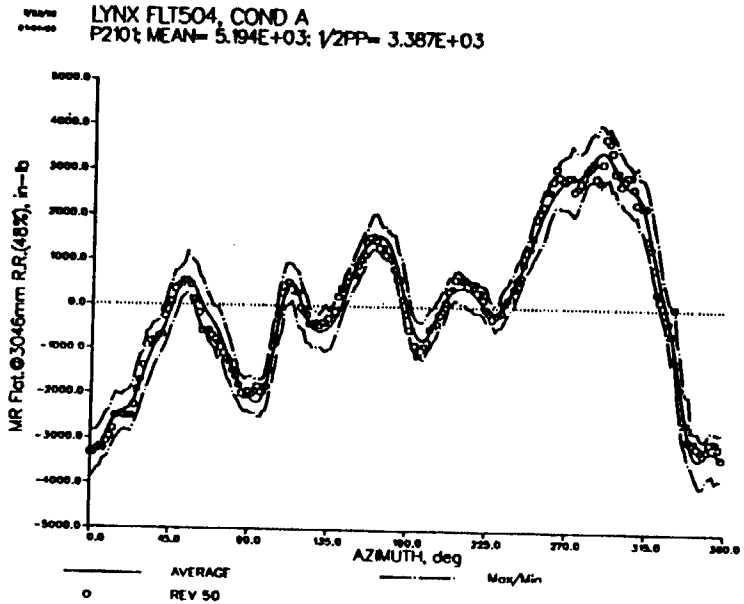


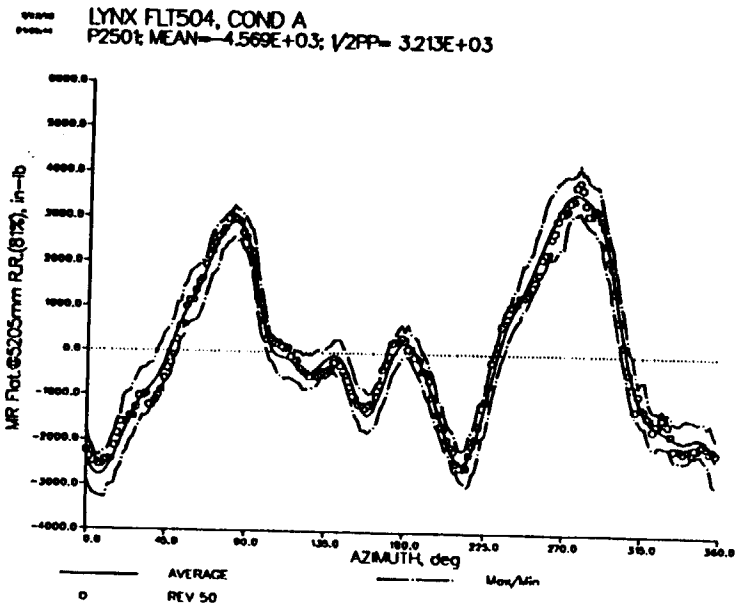
LYNX FLT504, COND A
P150t; MEAN= 2.138E+04; 1/2PP= 3.881E+03

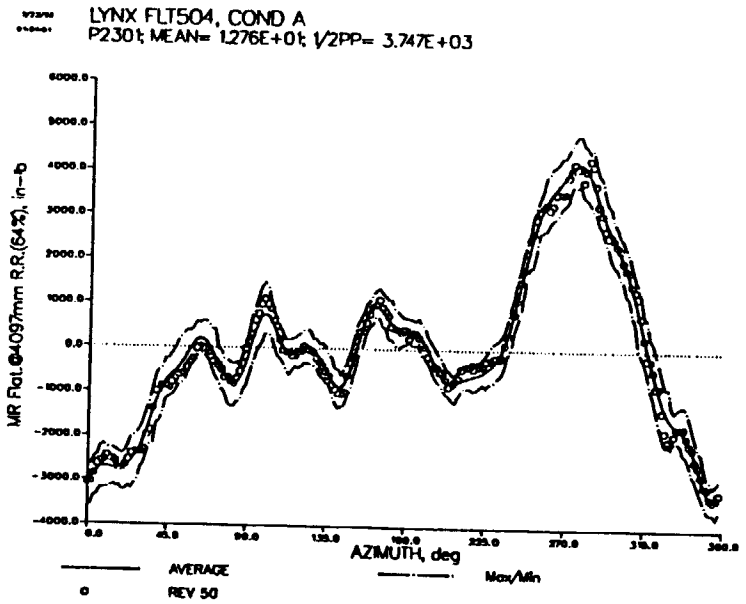


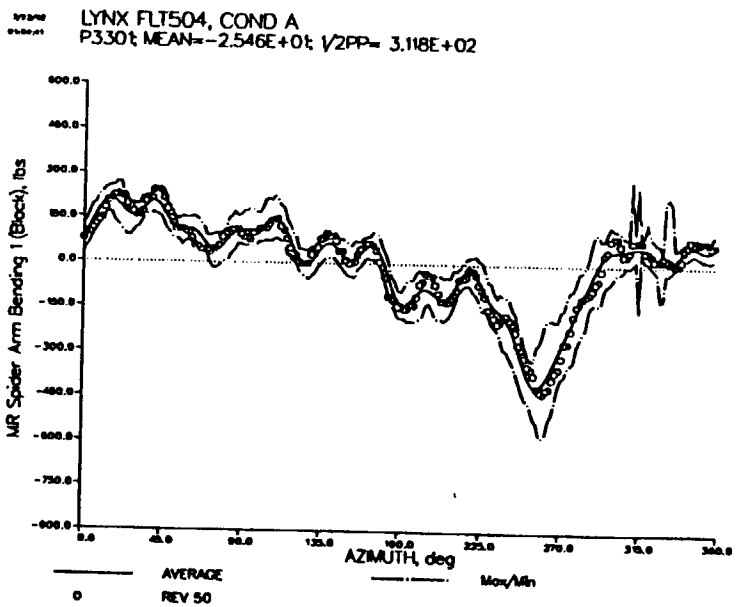
LYNX FLT504, COND A
P190t; MEAN= 1.305E+04; 1/2PP= 3.243E+03

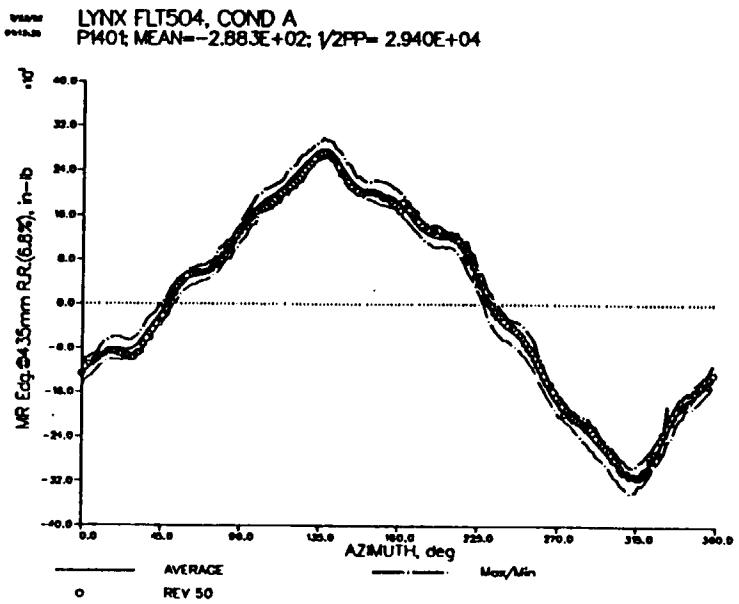


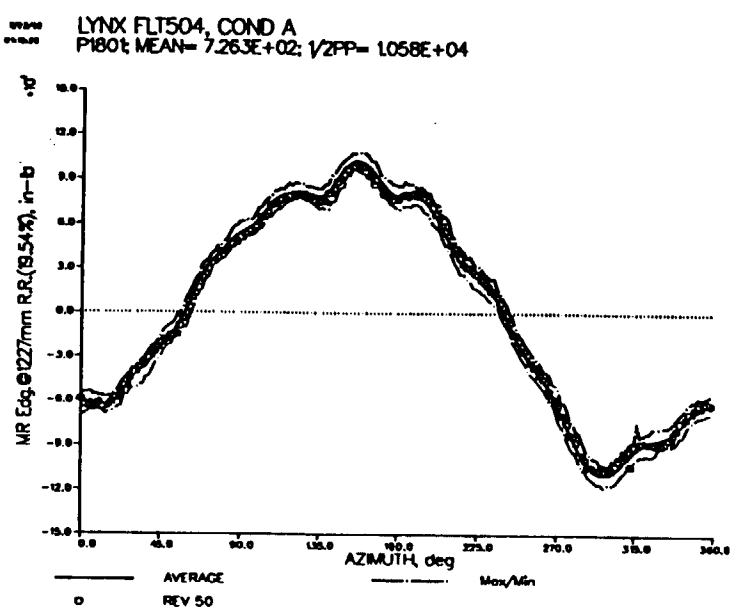

LYNX FLT504, COND A
P210t; MEAN= 5.194E+03; 1/2PP= 3.387E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

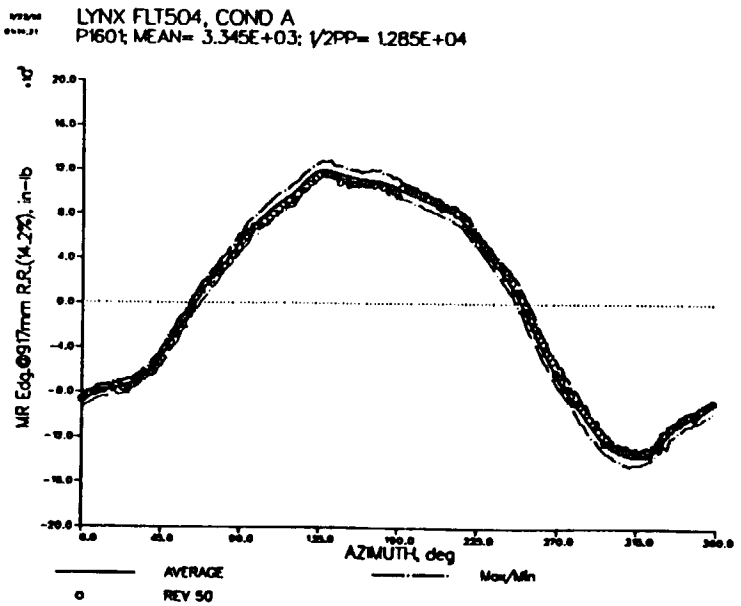

LYNX FLT504, COND A
P250t; MEAN=-4.569E+03; 1/2PP= 3.213E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

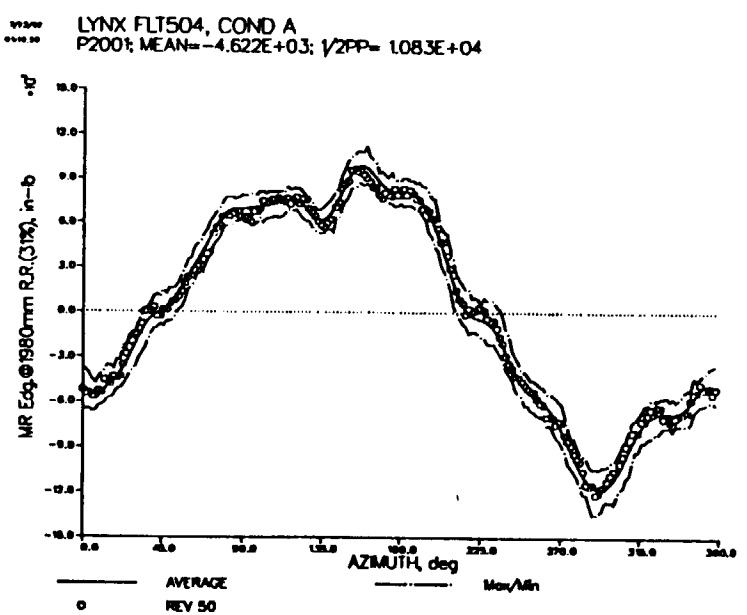

LYNX FLT504, COND A
P230t; MEAN= 1.276E+01; 1/2PP= 3.747E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT504, COND A
P330t; MEAN=-2.546E+01; 1/2PP= 3.118E+02
MR Spider Arm Bending 1 (Back), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

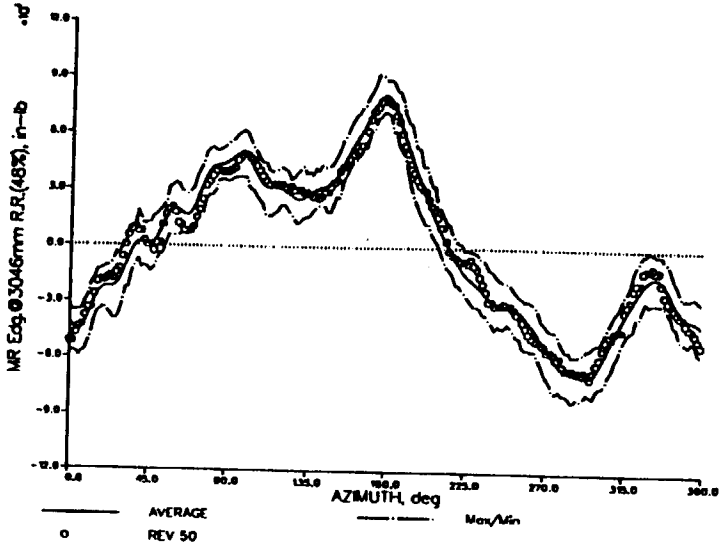

LYNX FLT504, COND A
P140t; MEAN=-2.883E+02; 1/2PP= 2.940E+04
MR Edg@4.35mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT504, COND A
P180t; MEAN= 7.263E+02; 1/2PP= 1.058E+04
MR Edg@1227mm R.R.(9.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

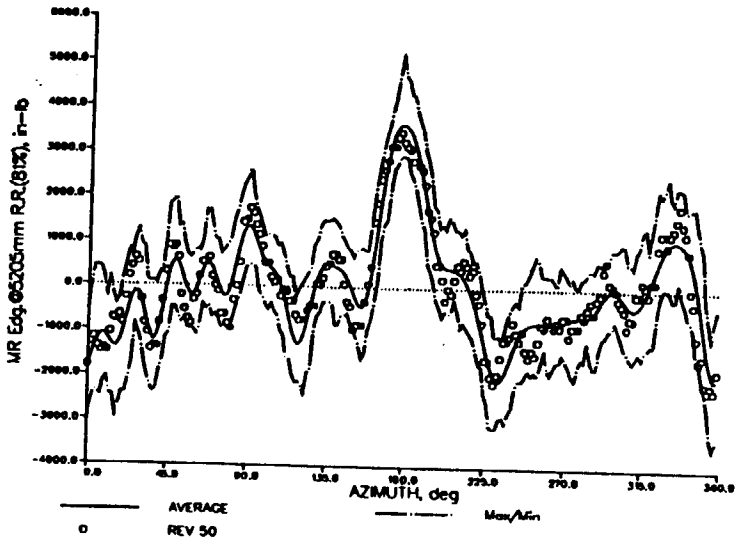

LYNX FLT504, COND A
P160t; MEAN= 3.345E+03; 1/2PP= 1.285E+04
MR Edg@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT504, COND A
P200t; MEAN=-4.622E+03; 1/2PP= 1.083E+04
MR Edg@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

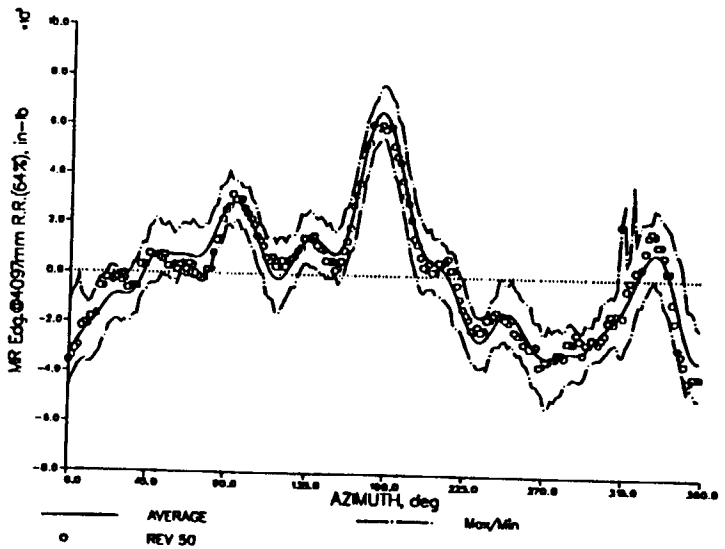
LYNX FLT504, COND A
P220t; MEAN=-2.556E+03; 1/2PP= 7.439E+03



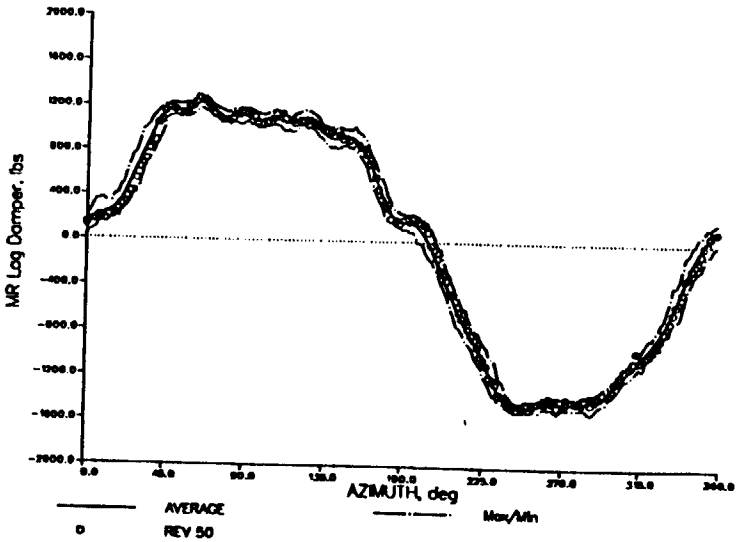
LYNX FLT504, COND A
P260t; MEAN=-5.484E+03; 1/2PP= 2.913E+03



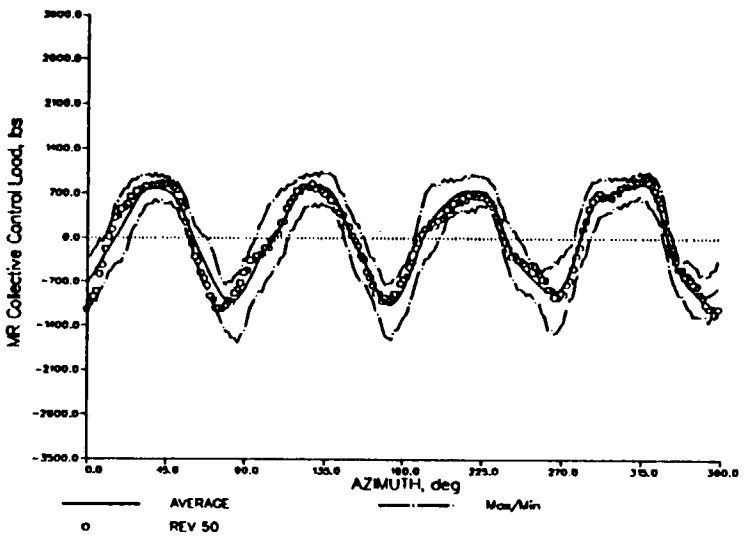
LYNX FLT504, COND A
P240t; MEAN= 3.917E+03; 1/2PP= 4.940E+03



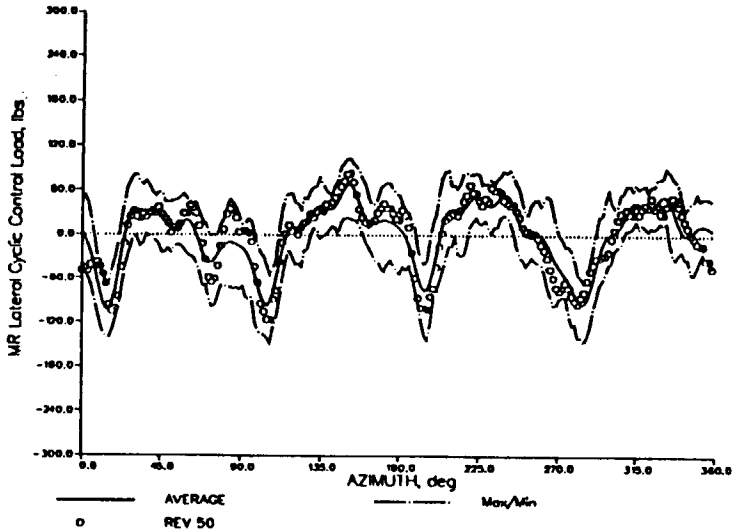
LYNX FLT504, COND A
P310t; MEAN= 5.129E+02; 1/2PP= 1.343E+03



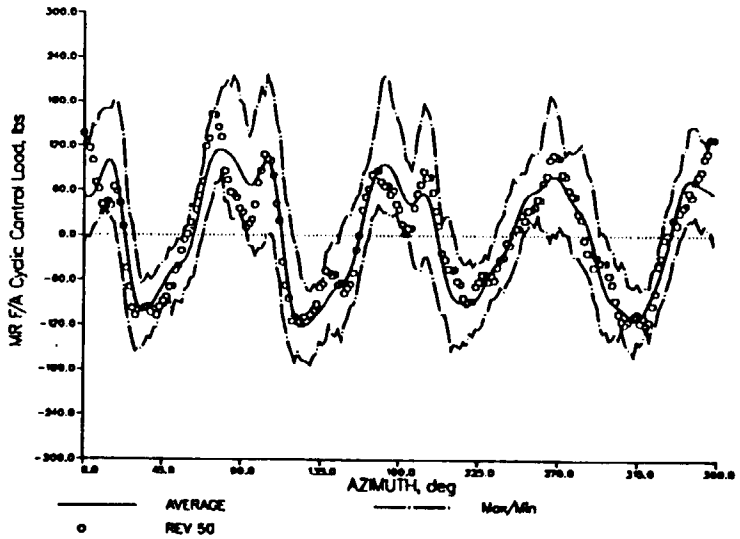
LYNX FLT504, COND A
P280t; MEAN=-9.800E+02; 1/2PP= 9.644E+02



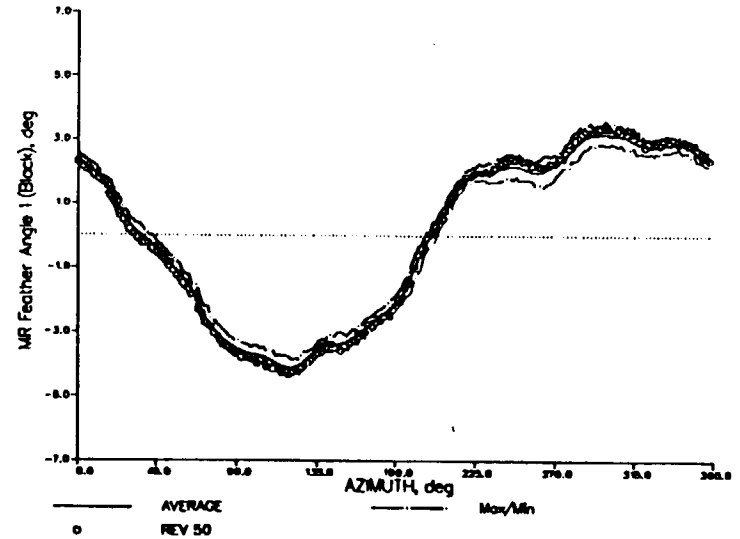
LYNX FLT504, COND A
P320t; MEAN=-1.706E+02; 1/2PP= 8.287E+01

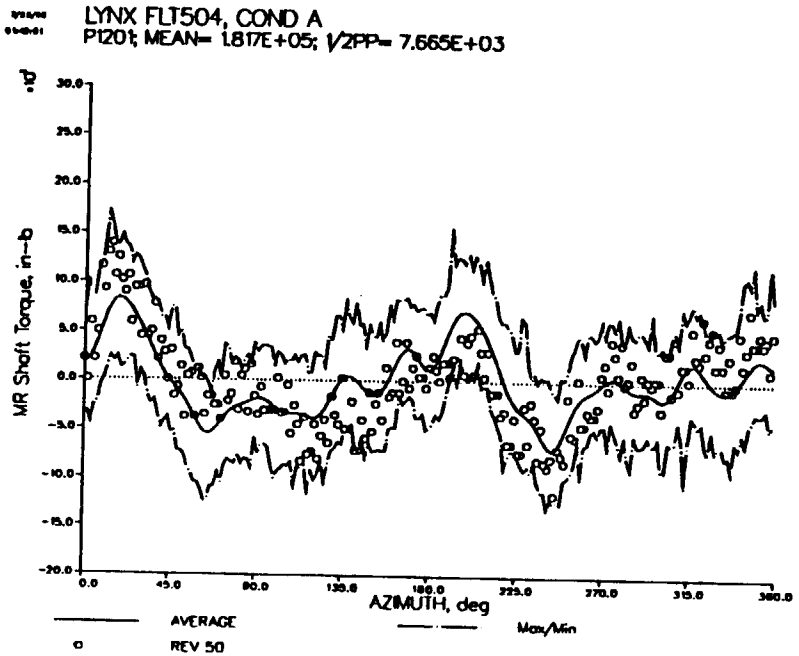


LYNX FLT504, COND A
P290t; MEAN= 1.020E+02; 1/2PP= 1.227E+02

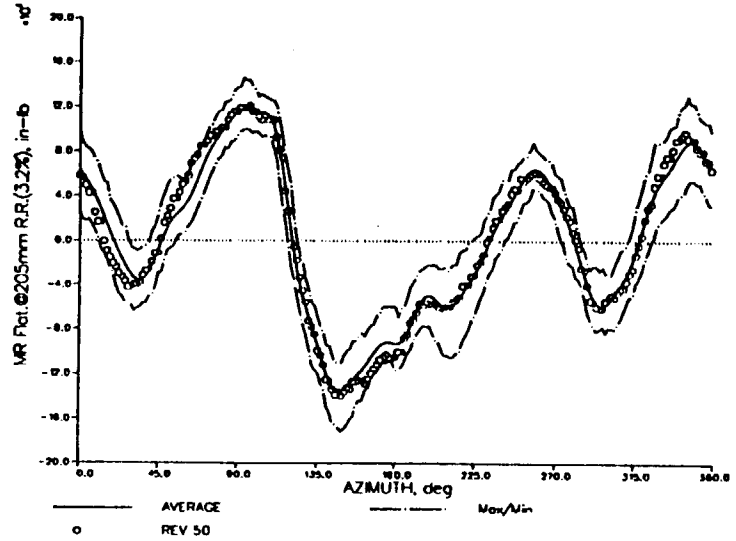


LYNX FLT504, COND A
P300t; MEAN= 1.574E+01; 1/2PP= 3.680E+00

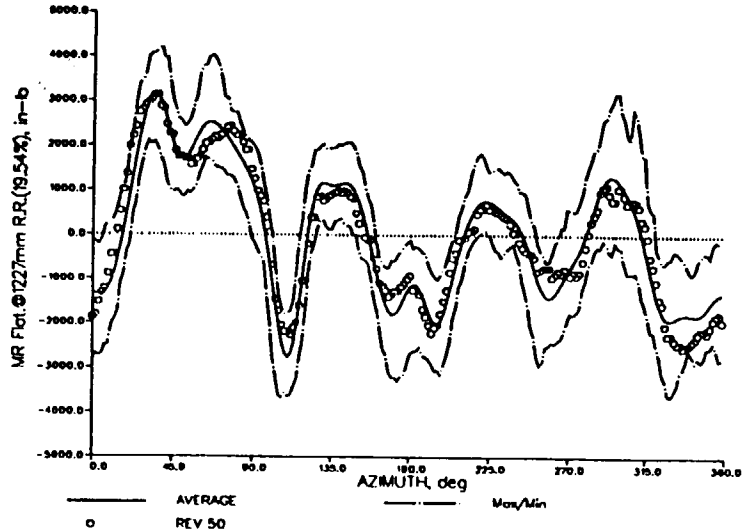



LYNX FLT504, COND A
P120t; MEAN= 1.817E+05; V2PP= 7.665E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

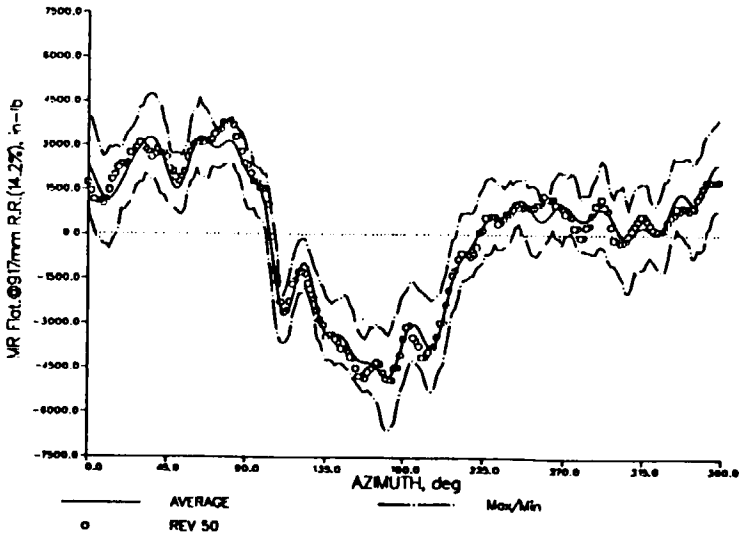
LYNX FLT504, COND B
P1302; MEAN= 3.296E+04; 1/2PP= 1.275E+04



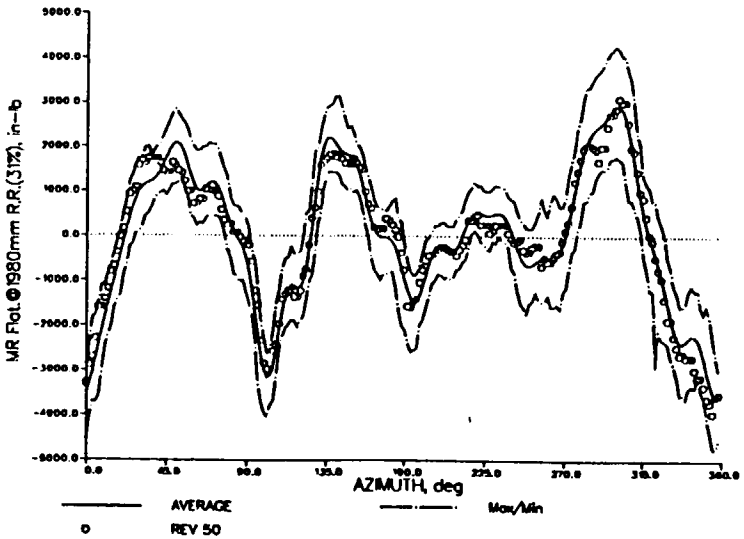
LYNX FLT504, COND B
P1702; MEAN= 2.005E+04; 1/2PP= 2.876E+03

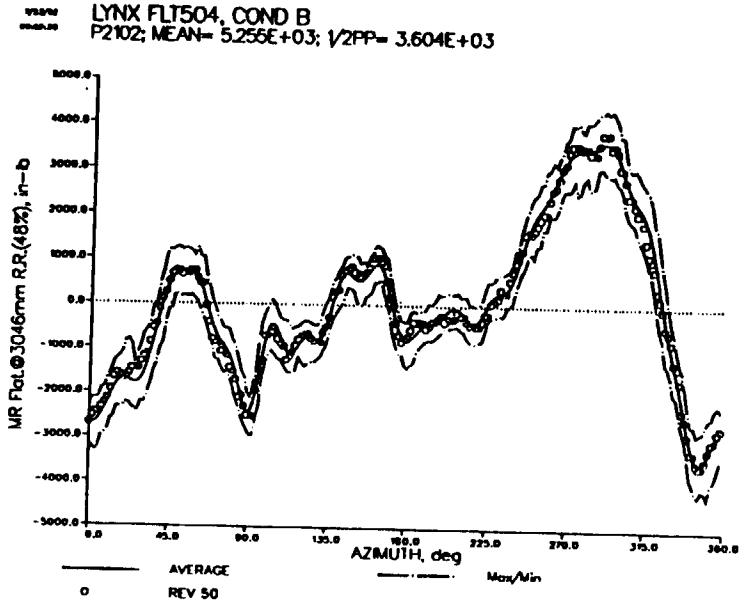


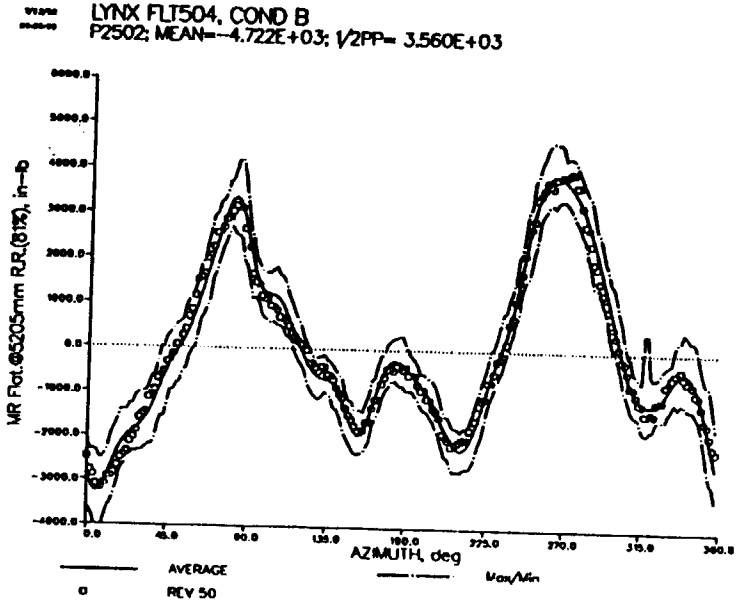
LYNX FLT504, COND B
P1502; MEAN= 2.209E+04; 1/2PP= 4.112E+03

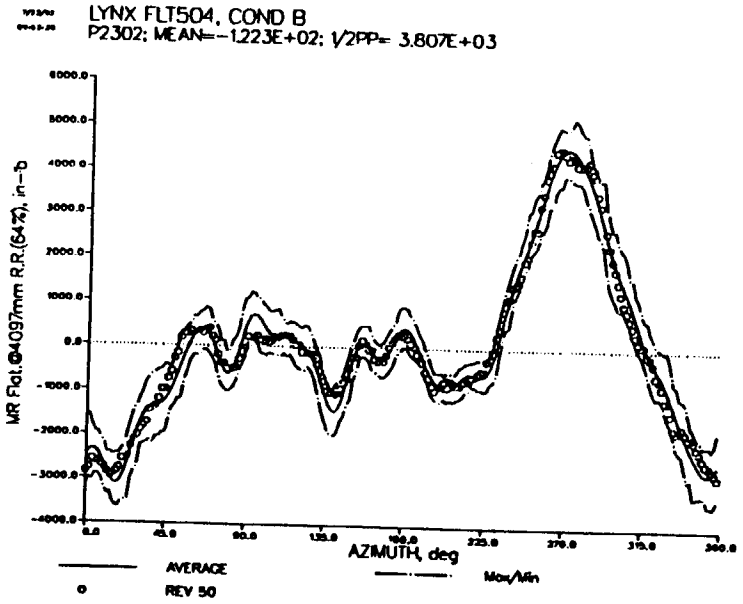


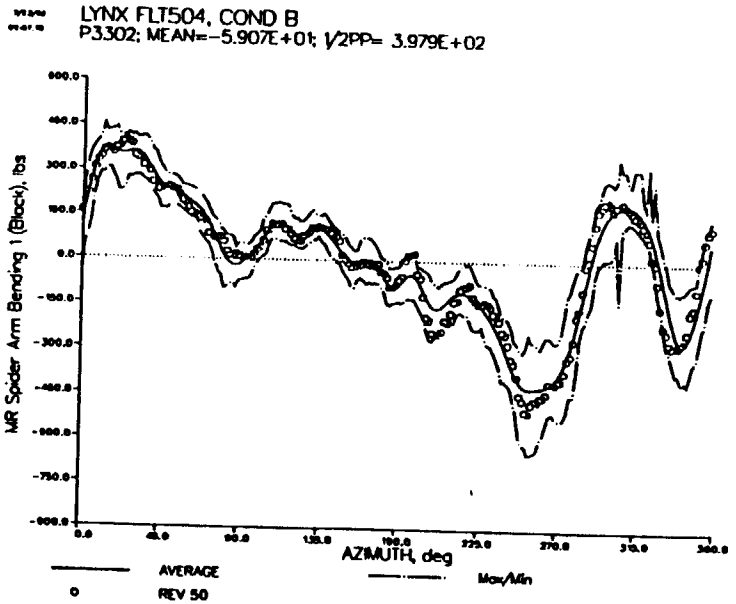
LYNX FLT504, COND B
P1902; MEAN= 1.349E+04; 1/2PP= 3.281E+03

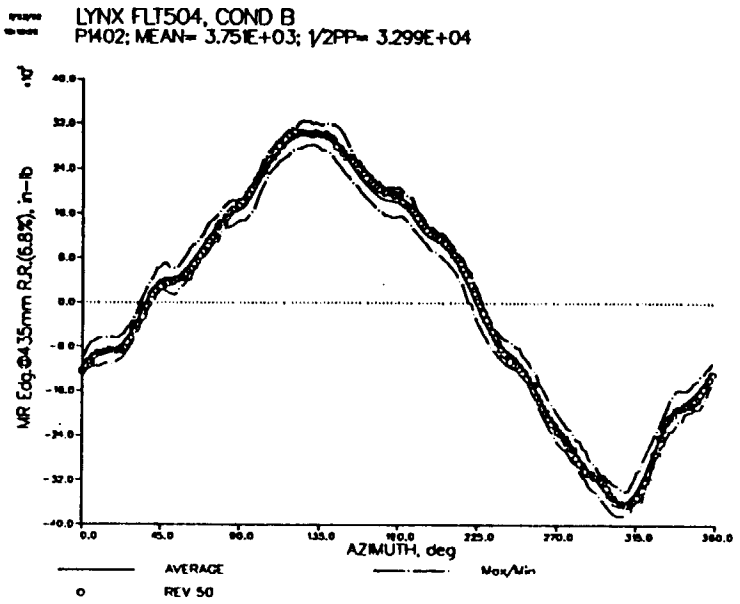


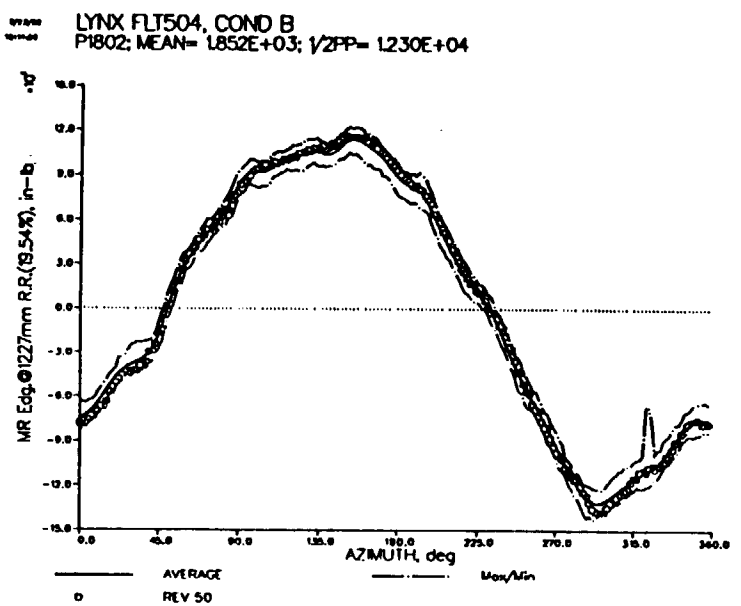

LYNX FLT504, COND B
P2102; MEAN= 5.256E+03; 1/2PP= 3.604E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

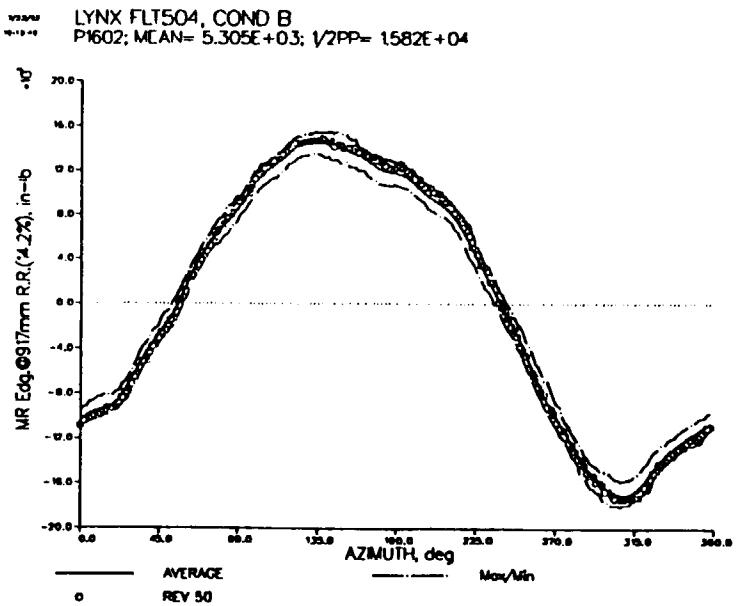

LYNX FLT504, COND B
P2502; MEAN=-4.722E+03; 1/2PP= 3.560E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

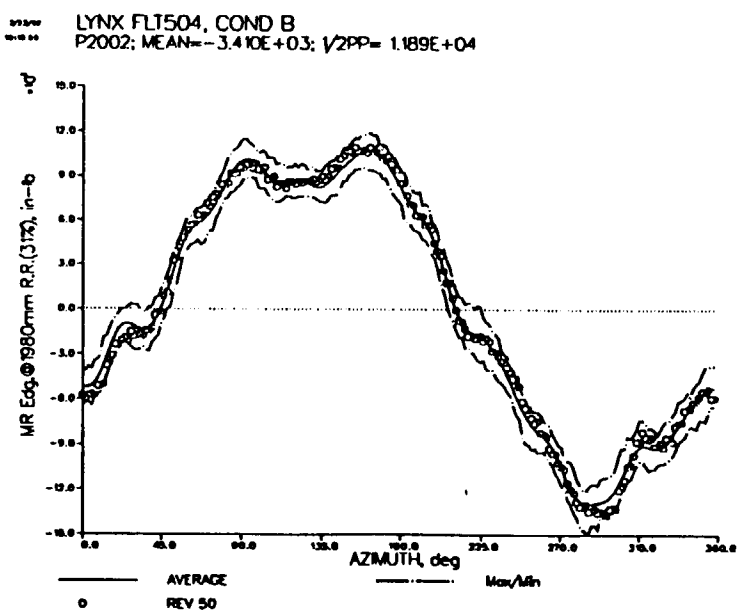

LYNX FLT504, COND B
P2302; MEAN=-1.223E+02; 1/2PP= 3.807E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

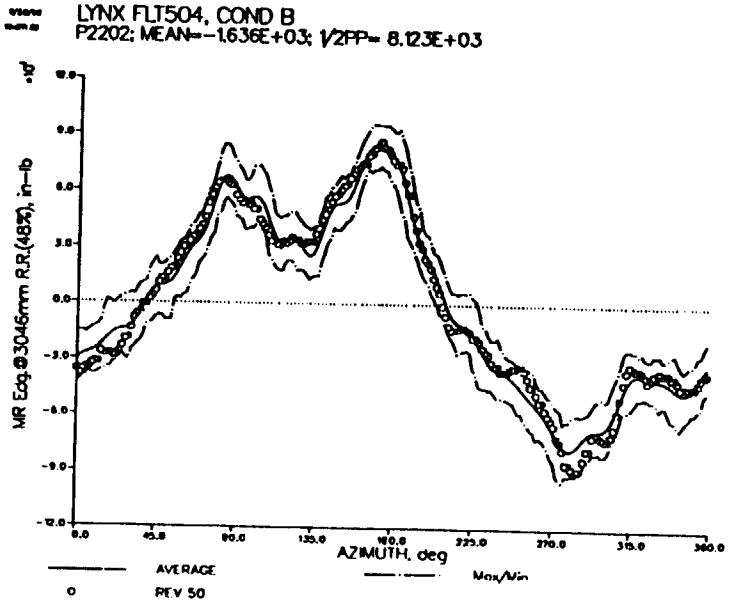

LYNX FLT504, COND B
P3302; MEAN=-5.907E+01; 1/2PP= 3.979E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

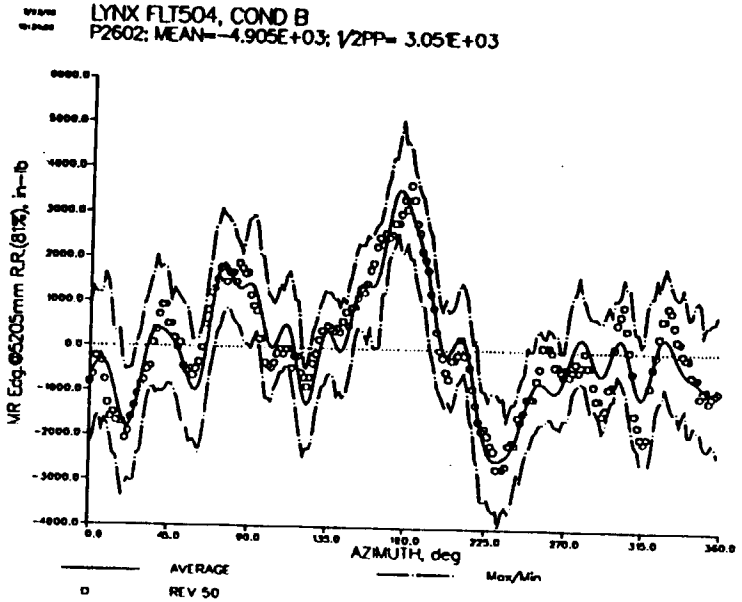

LYNX FLT504, COND B
P1402; MEAN= 3.751E+03; 1/2PP= 3.299E+04
MR Edg.@435mm R.R.(6.8%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

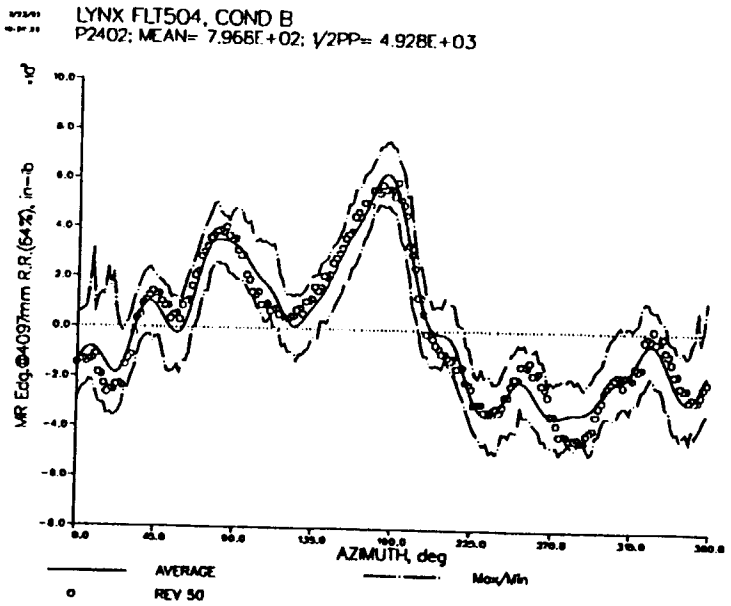

LYNX FLT504, COND B
P1802; MEAN= 1.852E+03; 1/2PP= 1.230E+04
MR Edg.@1227mm R.R.(19.54%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

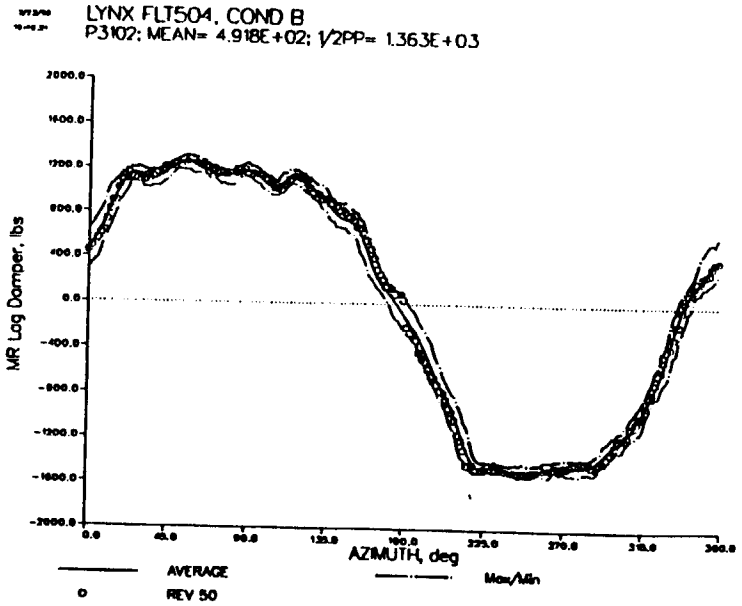

LYNX FLT504, COND B
P1602; MEAN= 5.305E+03; 1/2PP= 1.582E+04
MR Edg.@917mm R.R.(14.2%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT504, COND B
P2002; MEAN=-3.410E+03; 1/2PP= 1.189E+04
MR Edg.@1980mm R.R.(31%), in-lb
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

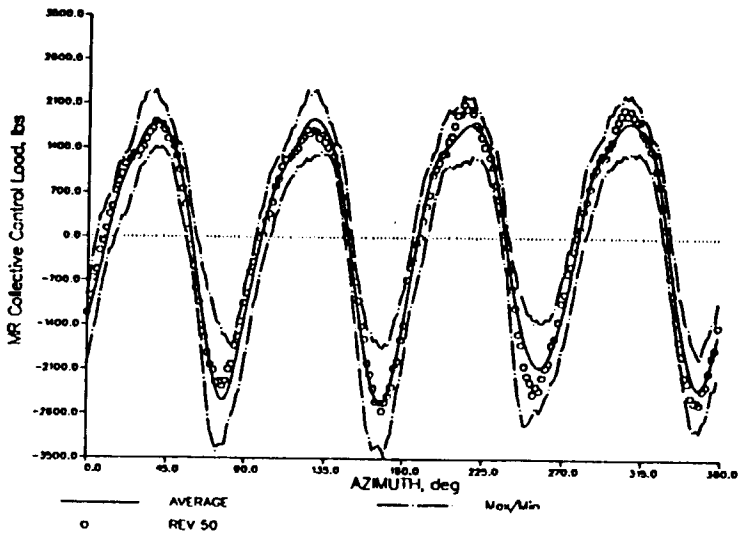

LYNX FLT504, COND B
P2202; MEAN=-1.636E+03; 1/2PP= 8.123E+03
MR Edg.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT504, COND B
P2602; MEAN=-4.905E+03; 1/2PP= 3.051E+03
MR Edg.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

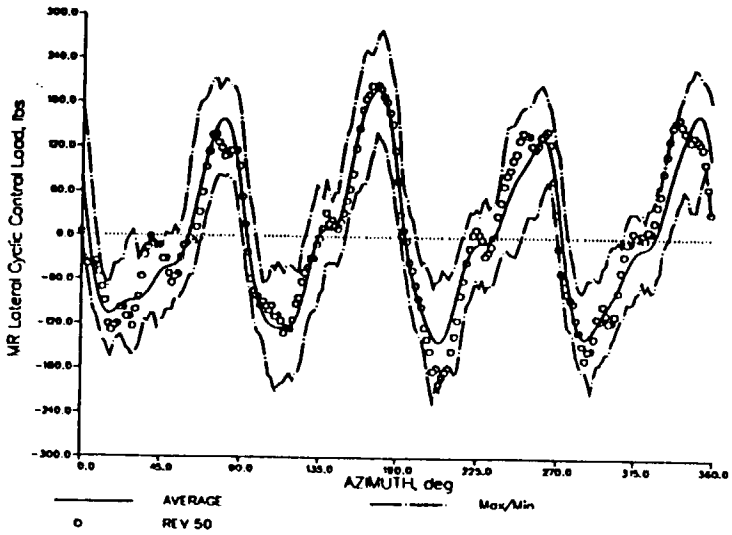

LYNX FLT504, COND B
P2402; MEAN= 7.966E+02; 1/2PP= 4.928E+03
MR Edg.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT504, COND B
P3102; MEAN= 4.918E+02; 1/2PP= 1.363E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

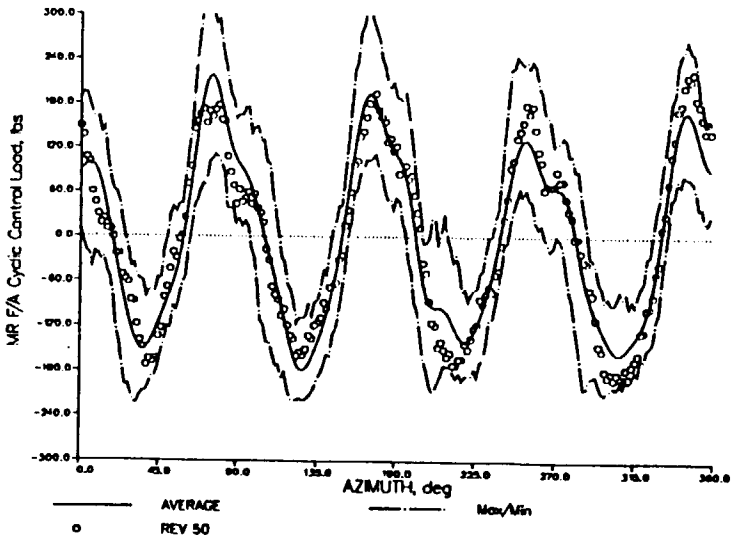
LYNX FLT504, COND B
P2802; MEAN=-1.330E+03; 1/2PP= 2.272E+03



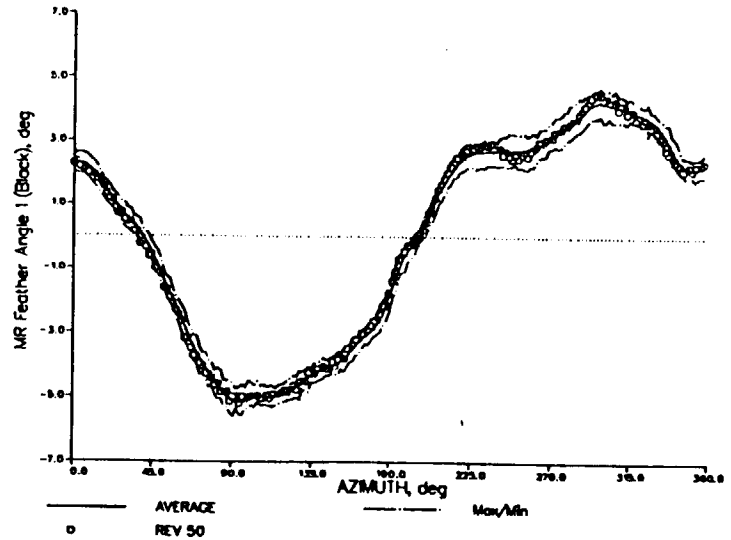
LYNX FLT504, COND B
P3202; MEAN=-2.173E+02; 1/2PP= 1.723E+02

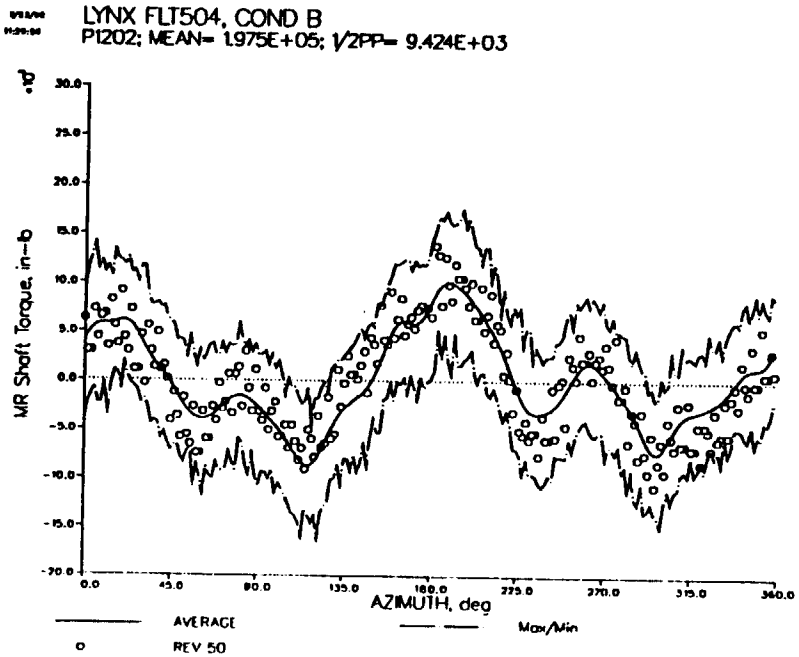


LYNX FLT504, COND B
P2902; MEAN= 1.445E+02; 1/2PP= 1.981E+02

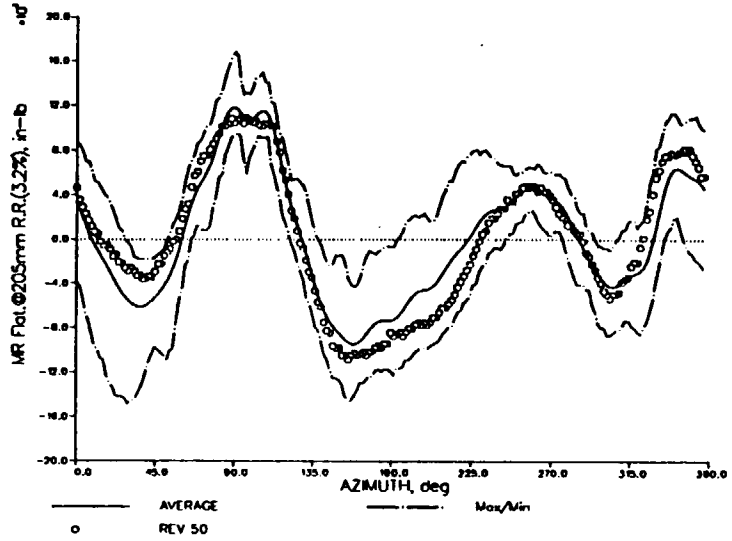


LYNX FLT504, COND B
P3002; MEAN= 1.684E+01; 1/2PP= 4.726E+00

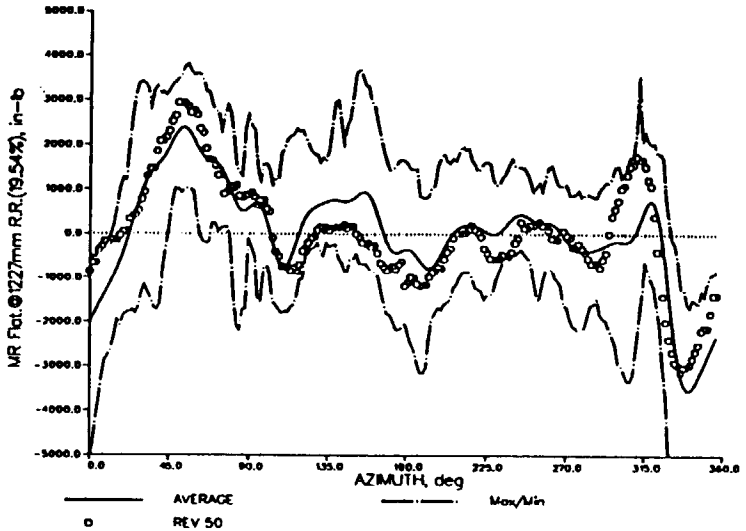



LYNX FLT504, COND B
P1202; MEAN= 1.975E+05; 1/2PP= 9.424E+03
MR Shaft Torque, in-lb
30.0
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
-10.0
-15.0
-20.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

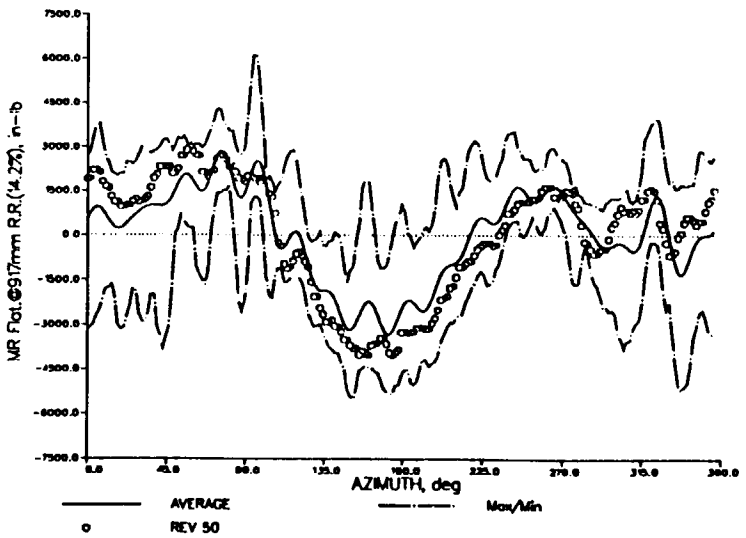
LYNX FLT504, COND C
P1303; MEAN= 3.184E+04; 1/2PP= 1.198E+04



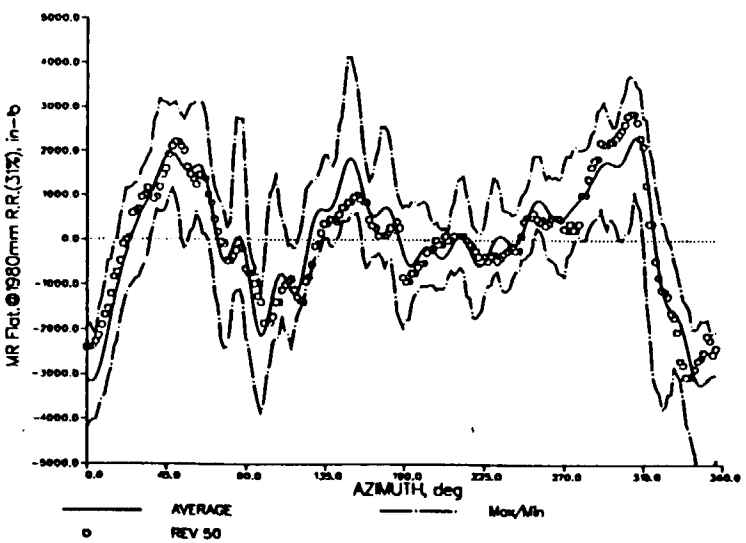
LYNX FLT504, COND C
P1703; MEAN= 1.955E+04; 1/2PP= 2.965E+03

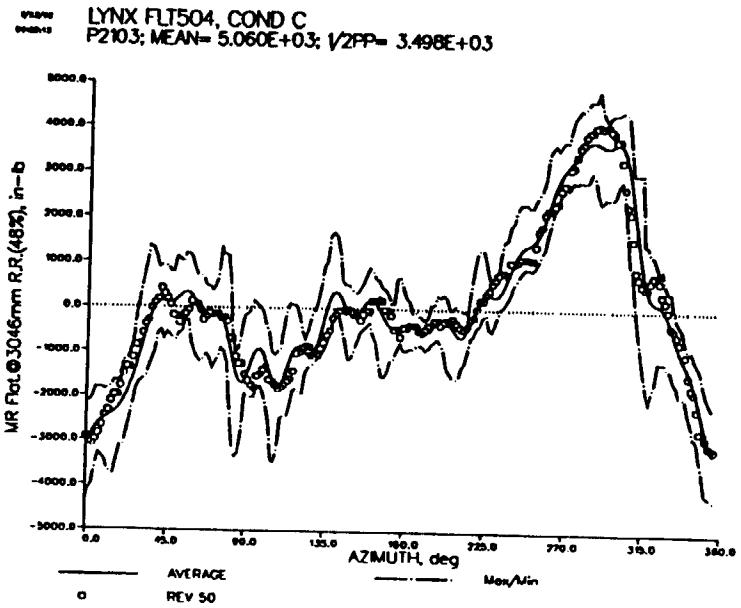


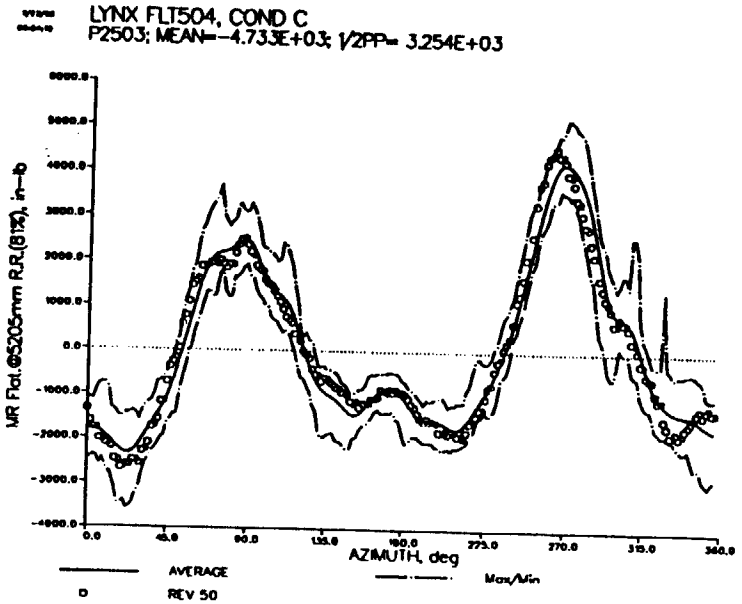
LYNX FLT504, COND C
P1503; MEAN= 2.157E+04; 1/2PP= 3.219E+03

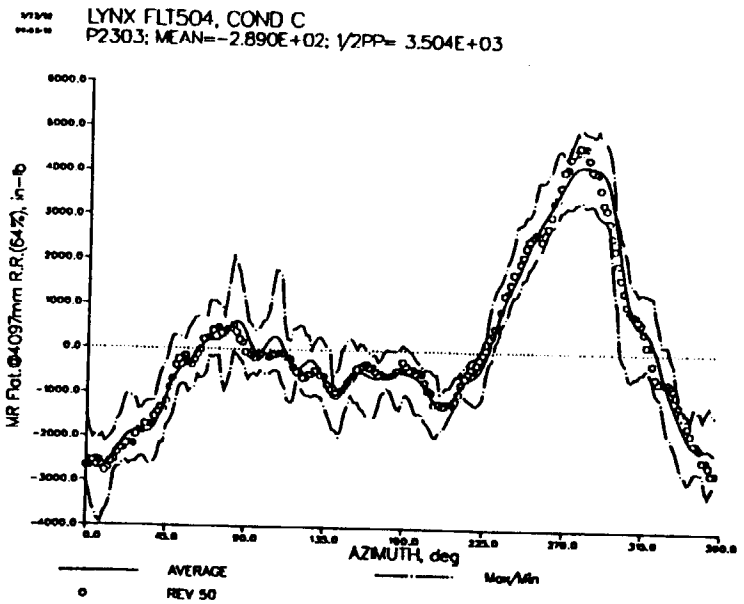


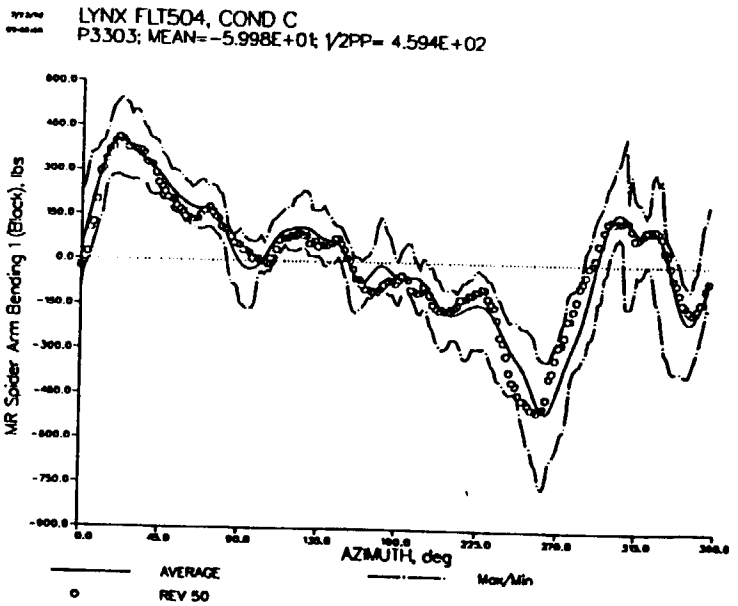
LYNX FLT504, COND C
P1903; MEAN= 1.313E+04; 1/2PP= 2.805E+03



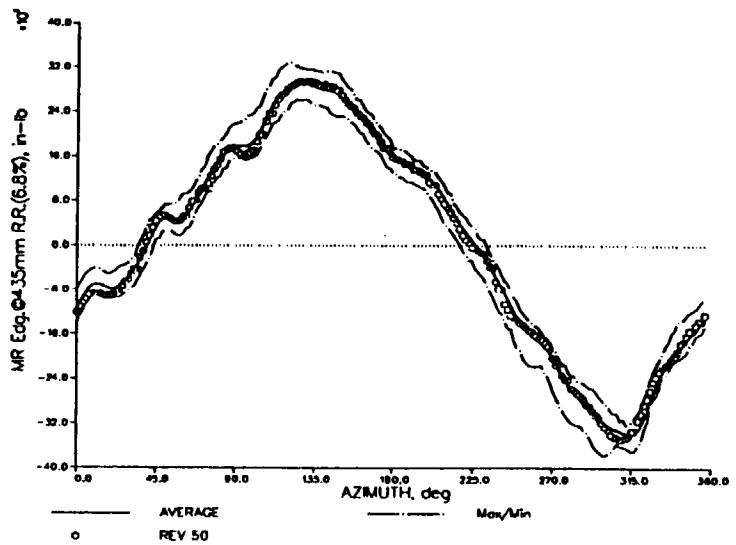

LYNX FLT504, COND C
P2103; MEAN= 5.060E+03; 1/2PP= 3.498E+03
MR Flat.@3046mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT504, COND C
P2503; MEAN=-4.733E+03; 1/2PP= 3.254E+03
MR Flat.@5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

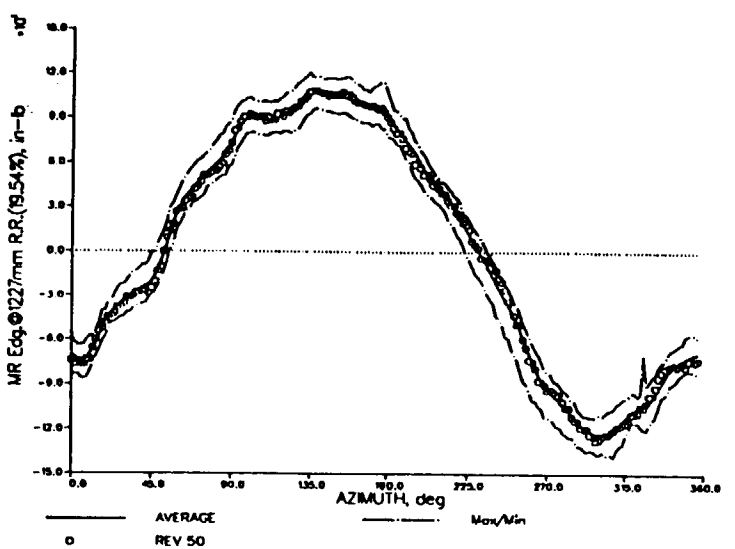

LYNX FLT504, COND C
P2303; MEAN=-2.890E+02; 1/2PP= 3.504E+03
MR Flat.@4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT504, COND C
P3303; MEAN=-5.998E+01; 1/2PP= 4.594E+02
MR Spider Arm Bending 1 (Black), lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

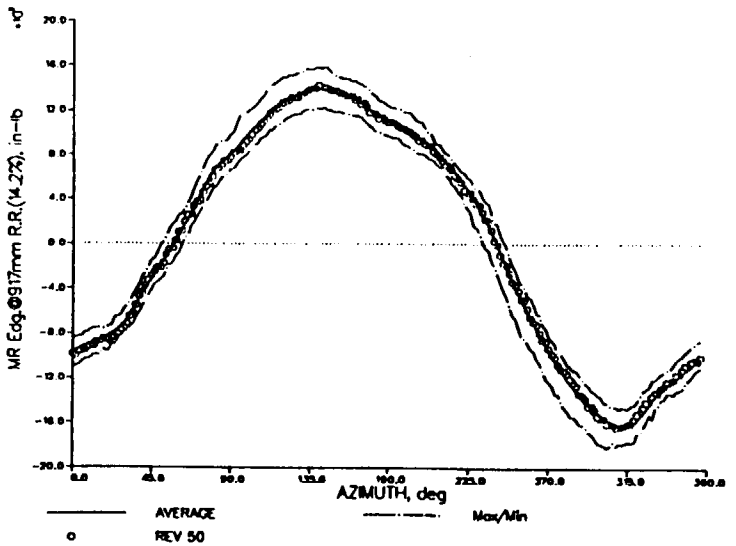
LYNX FLT504, COND C
P1403; MEAN= 1.237E+03; 1/2PP= 3.144E+04



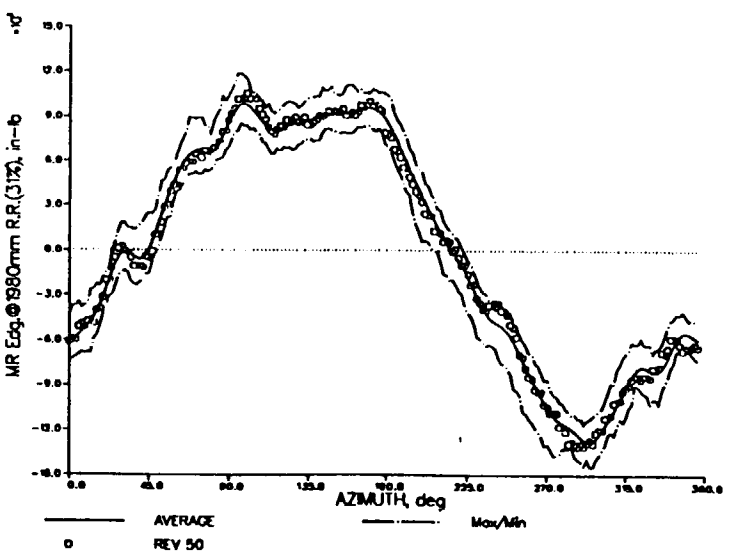
LYNX FLT504, COND C
P1803; MEAN= 1.059E+03; 1/2PP= 1.149E+04

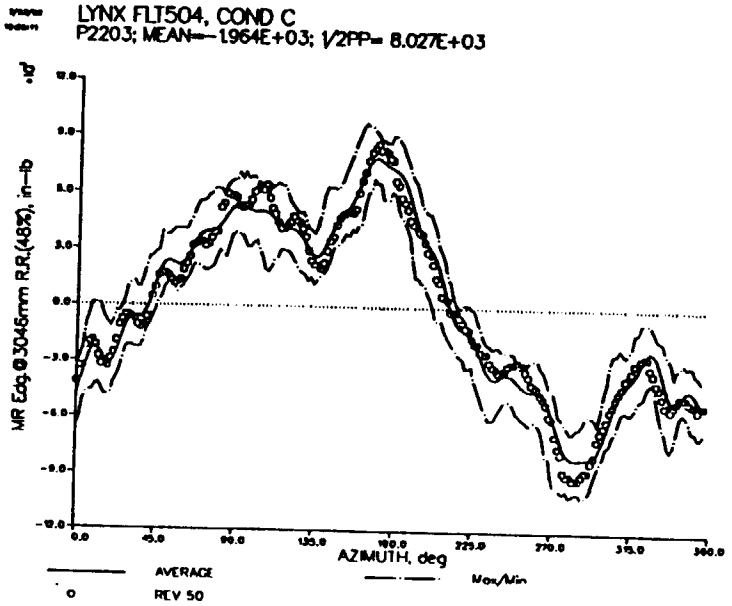


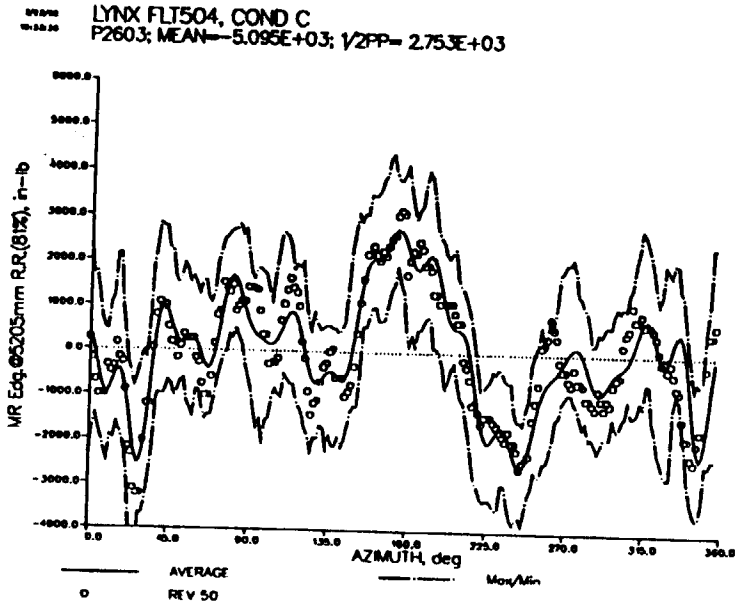
LYNX FLT504, COND C
P1603; MEAN= 3.969E+03; 1/2PP= 1.504E+04

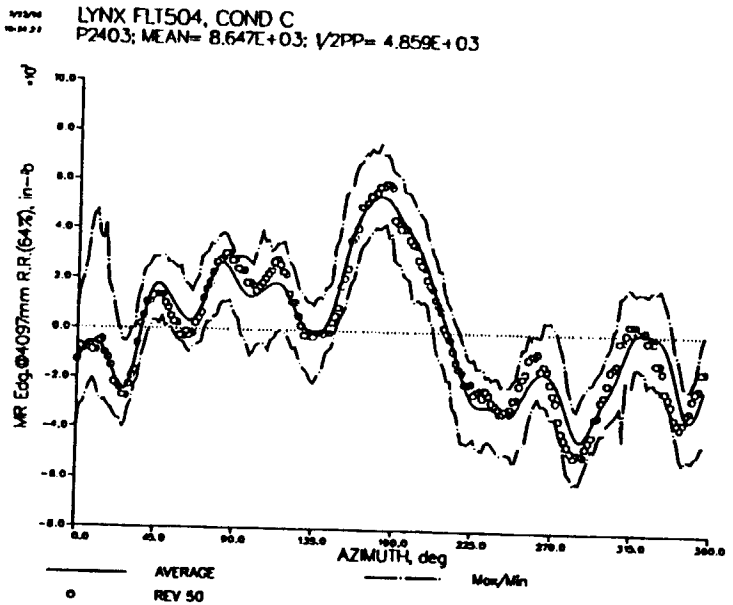


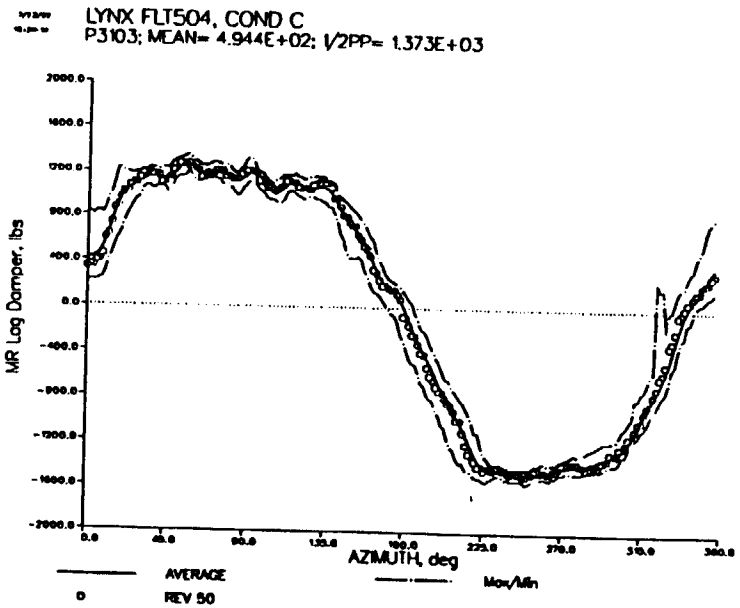
LYNX FLT504, COND C
P2003; MEAN=-3.984E+03; 1/2PP= 1.139E+04



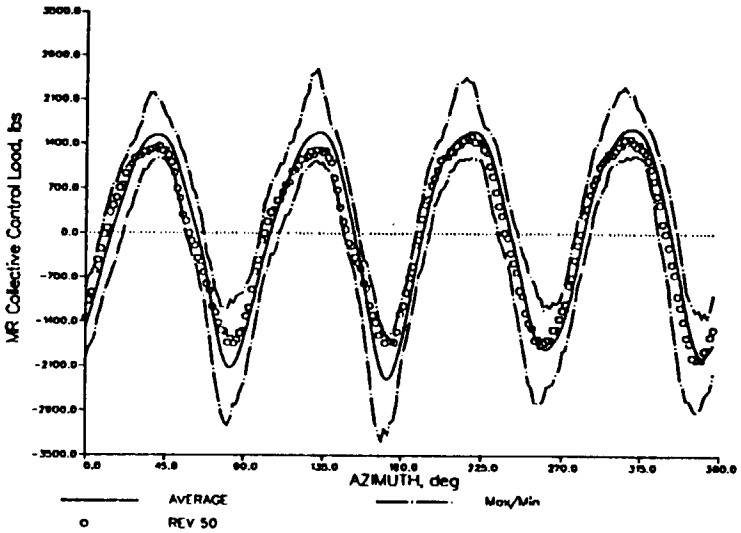

LYNX FLT504, COND C
P2203; MEAN=-1.964E+03; 1/2PP= 8.027E+03
MR Edg @.3045mm R.R.(48%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT504, COND C
P2603; MEAN=-5.095E+03; 1/2PP= 2.753E+03
MR Edg @.5205mm R.R.(81%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

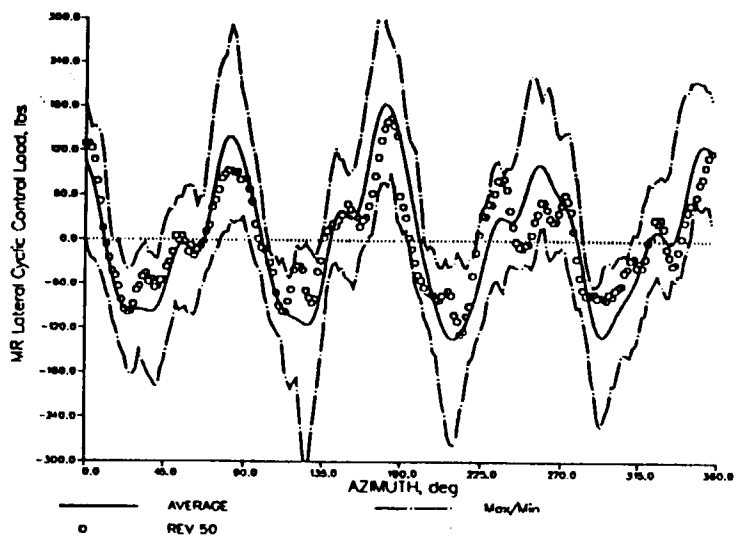

LYNX FLT504, COND C
P2403; MEAN= 8.647E+03; 1/2PP= 4.859E+03
MR Edg @.4097mm R.R.(64%), in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min


LYNX FLT504, COND C
P3103; MEAN= 4.944E+02; 1/2PP= 1.373E+03
MR Lag Damper, lbs
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

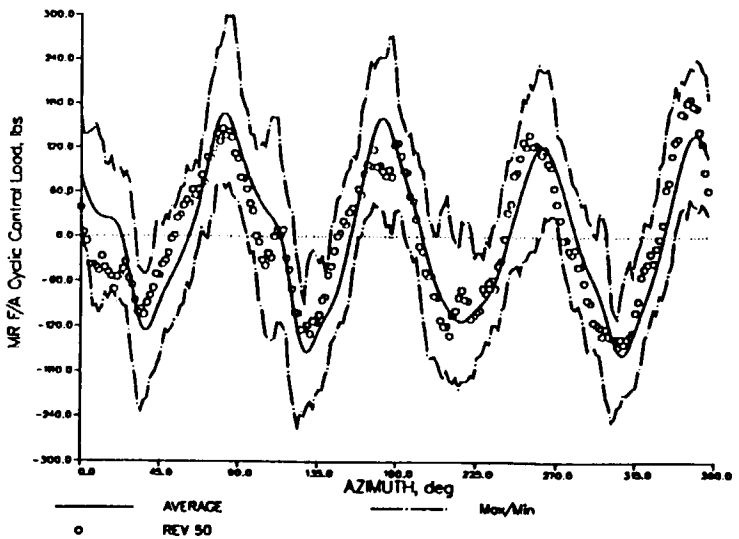
LYNX FLT504, COND C
P2803; MEAN=-1.369E+03; √2PP= 1.983E+03



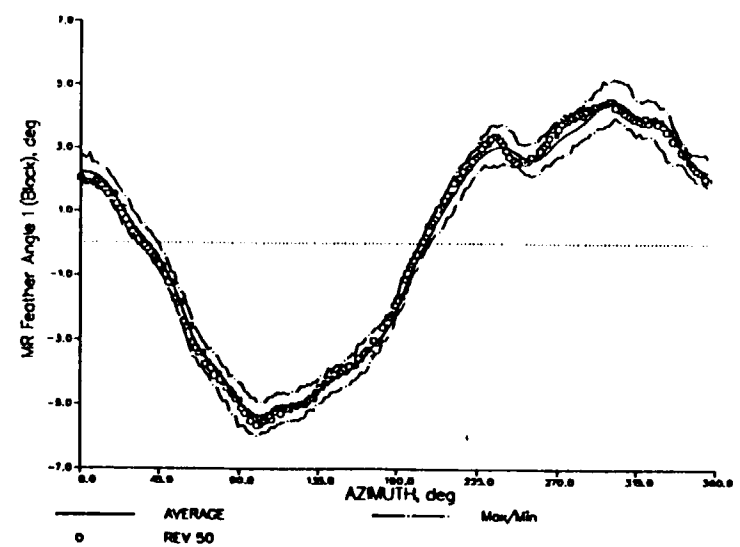
LYNX FLT504, COND C
P3203; MEAN=-2.140E+02; √2PP= 1.632E+02

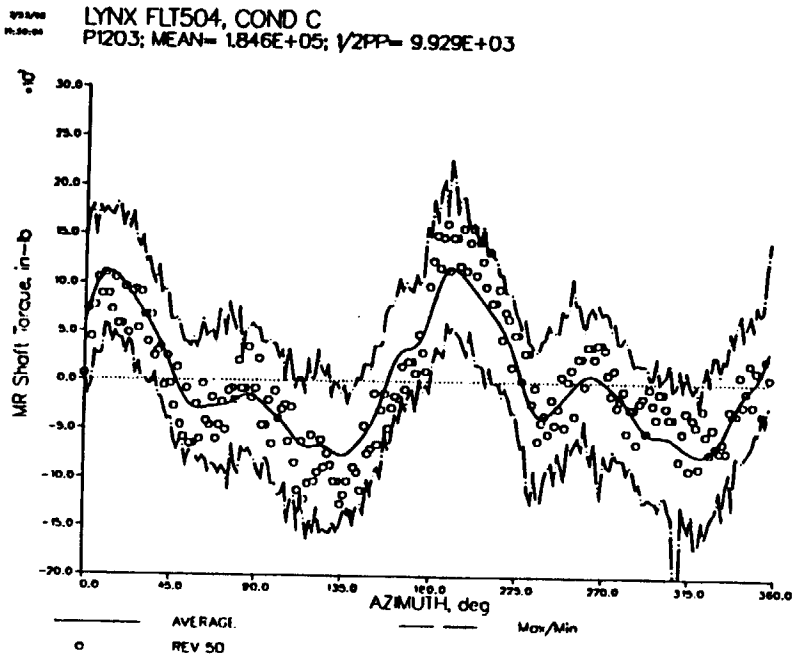


LYNX FLT504, COND C
P2903; MEAN= 1.583E+02; √2PP= 1.645E+02

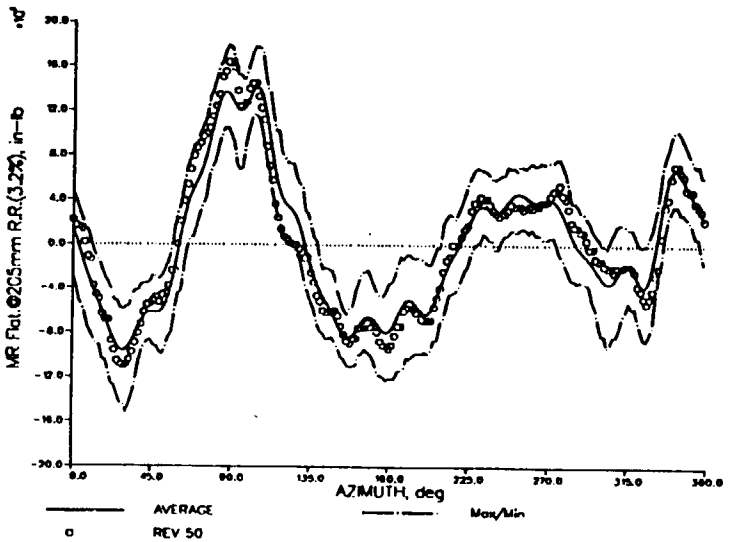


LYNX FLT504, COND C
P3003; MEAN= 1.620E+01; √2PP= 4.934E+00

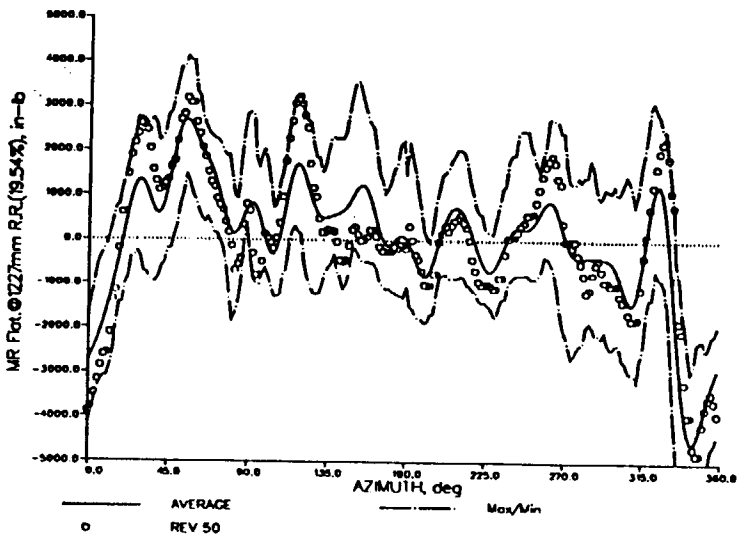



LYNX FLT504, COND C
P1203; MEAN= 1.846E+05; 1/2PP= 9.929E+03
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

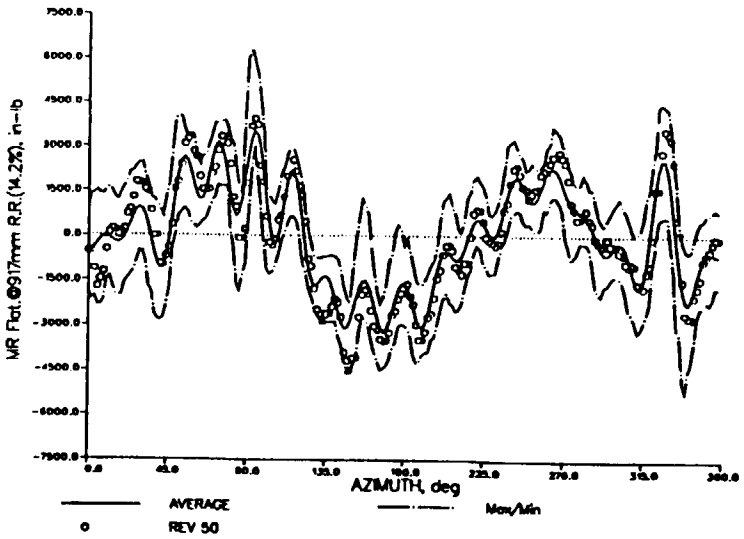
LYNX FLT504, COND D
P1304; MEAN= 3.175E+04; 1/2PP= 1.211E+04



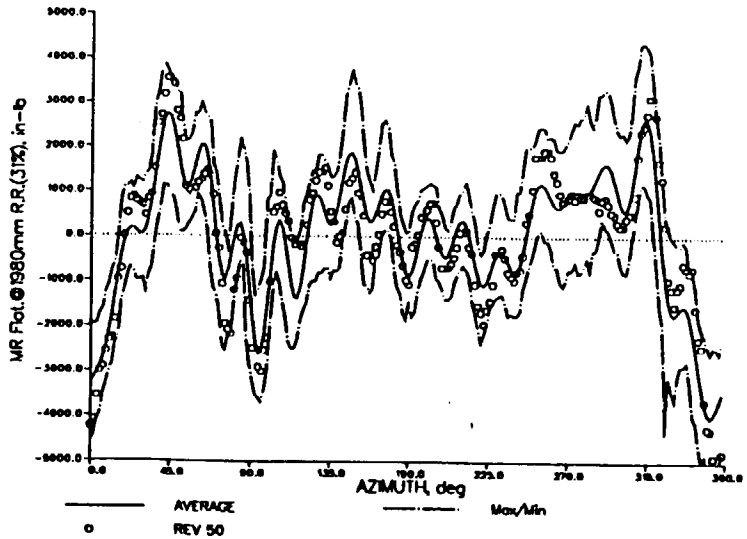
LYNX FLT504, COND D
P1704; MEAN= 1.948E+04; 1/2PP= 3.676E+03



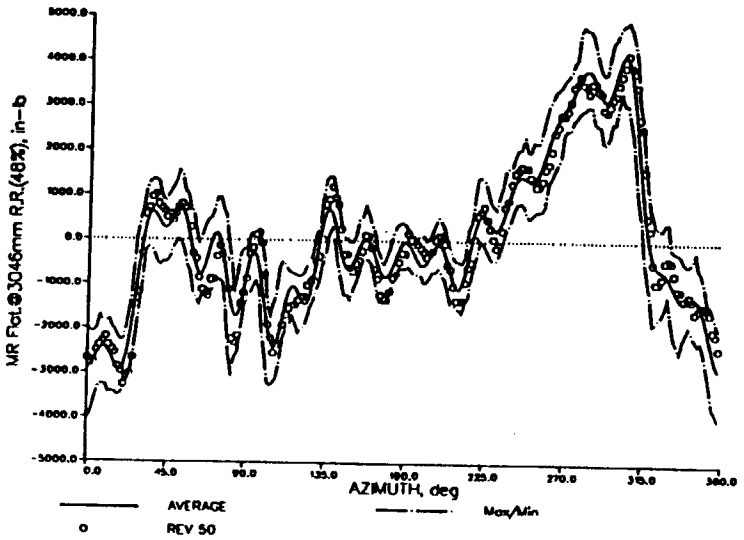
LYNX FLT504, COND D
P1504; MEAN= 2.141E+04; 1/2PP= 3.952E+03



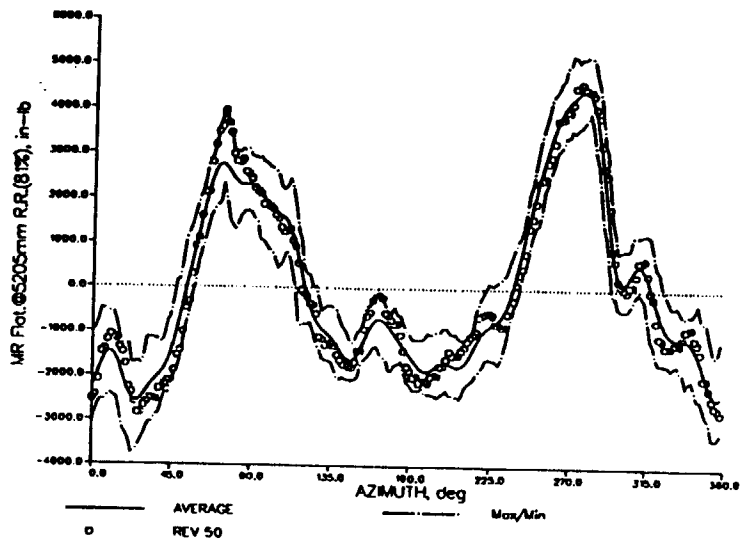
LYNX FLT504, COND D
P1904; MEAN= 1.308E+04; 1/2PP= 3.358E+03



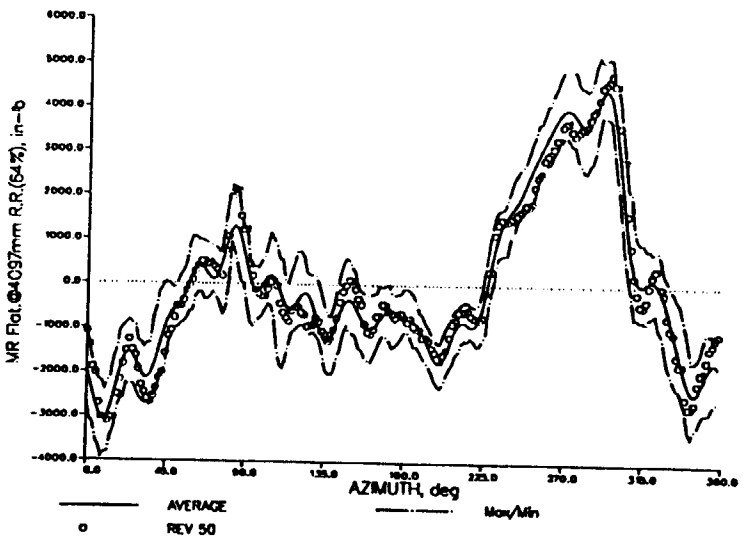
LYNX FLT504, COND D
P2104; MEAN= 5.013E+03; 1/2PP= 3.529E+03



LYNX FLT504, COND D
P2504; MEAN=-4.732E+03; 1/2PP= 3.510E+03



LYNX FLT504, COND D
P2304; MEAN=-3.562E+02; 1/2PP= 3.757E+03



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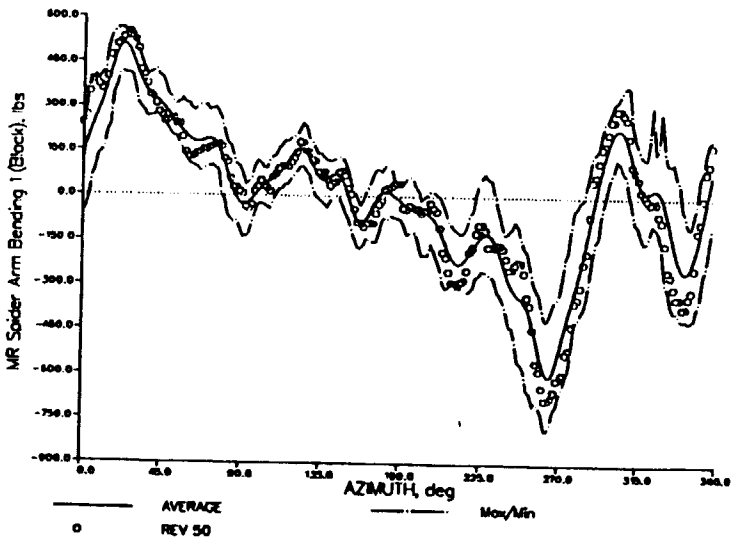
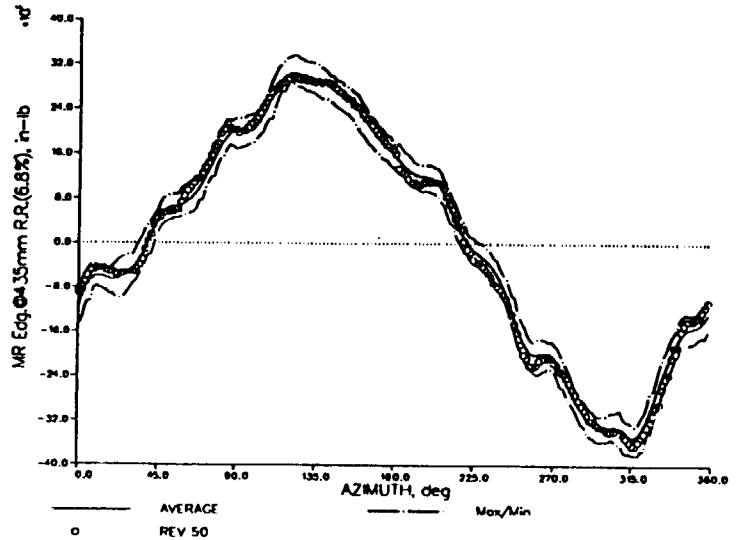
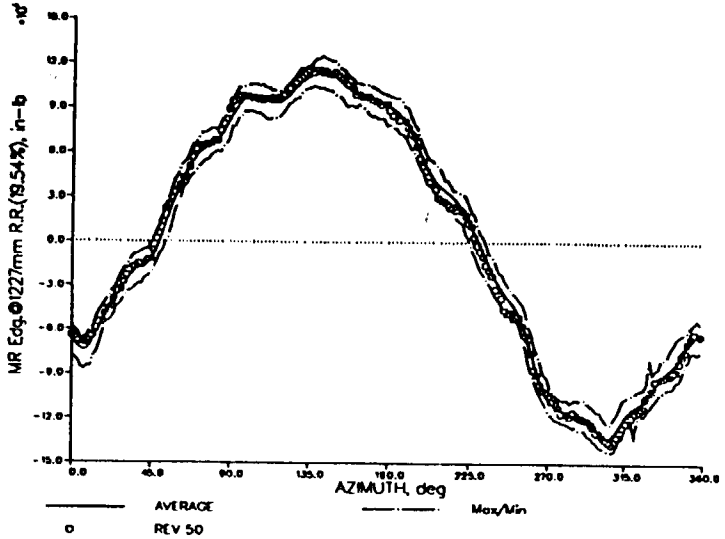
P3304; MEAN=-7.484E+01; 1/2PP= 5.580E+02



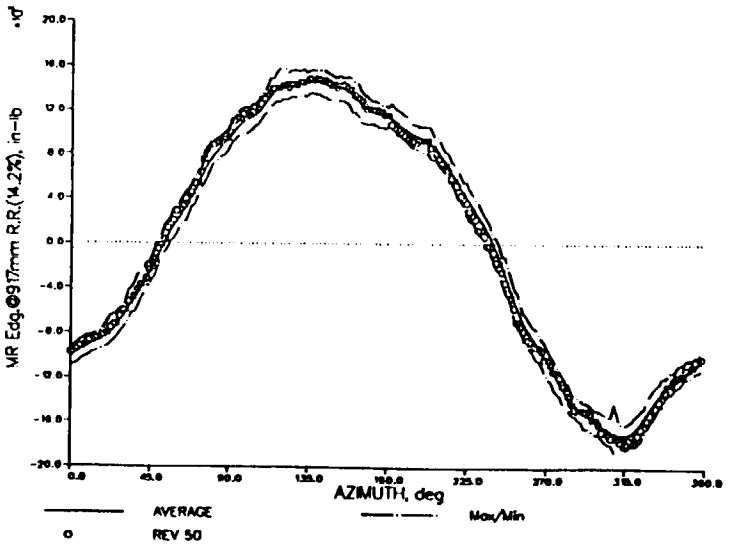
LYNX FLT504, COND D
P1404: MEAN= 2.186E+03; V2PP= 3.265E+04



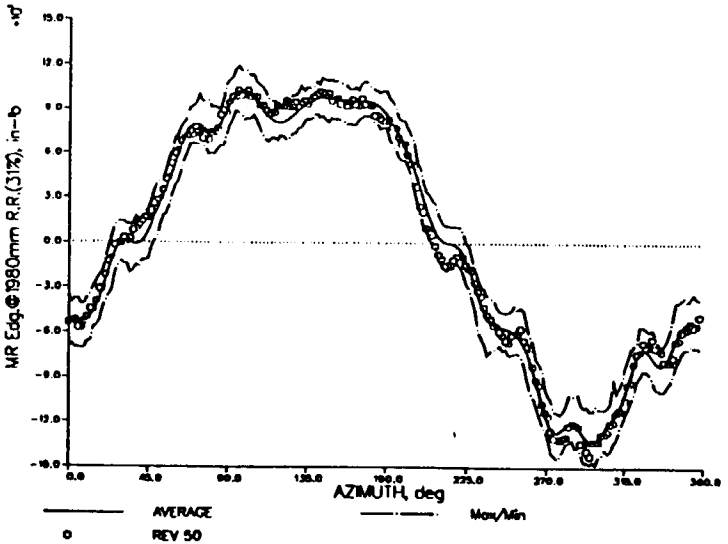
LYNX FLT504, COND D
P1804: MEAN= 1.422E+03; V2PP= 1.236E+04



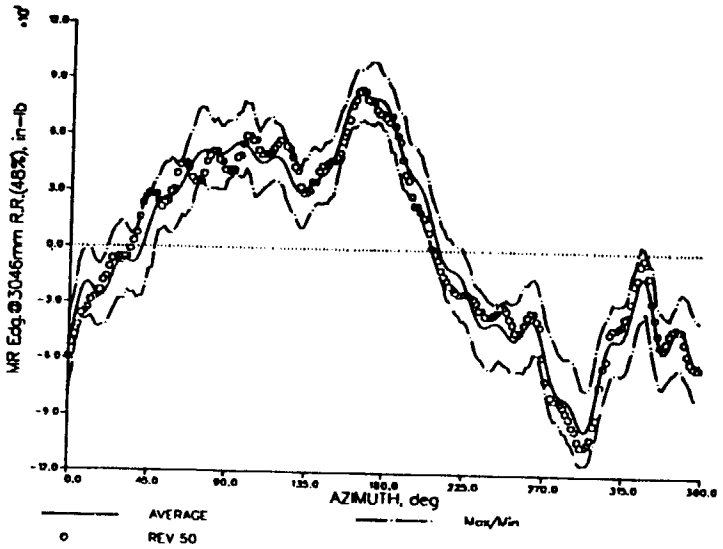
LYNX FLT504, COND D
P1604: MEAN= 4.489E+03; V2PP= 1.585E+04



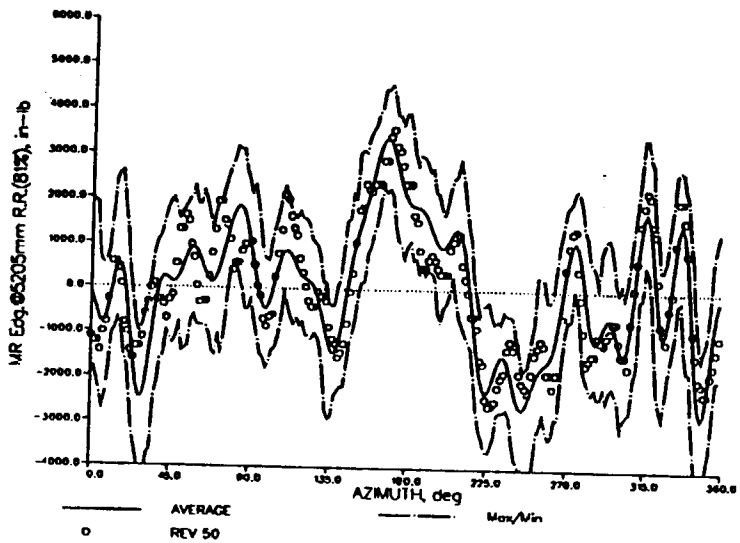
LYNX FLT504, COND D
P2004: MEAN=-3.659E+03; V2PP= 1.179E+04



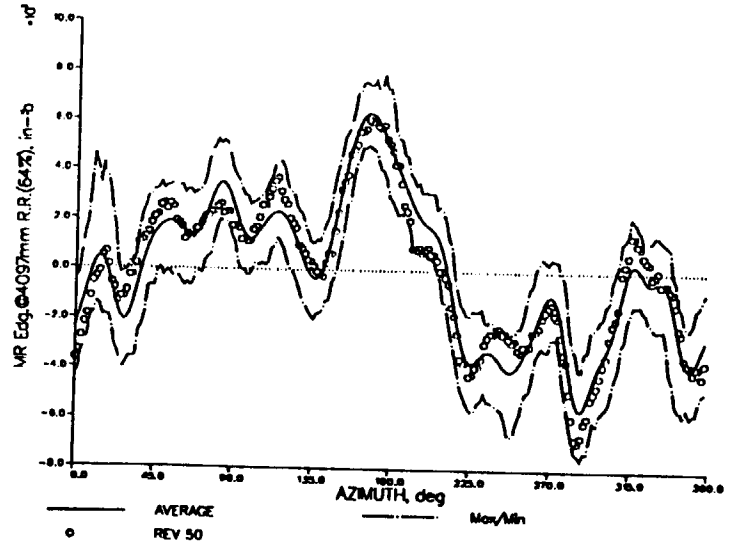
LYNX FLT504, COND D
P2204; MEAN=-1.756E+03; 1/2PP= 8.956E+03



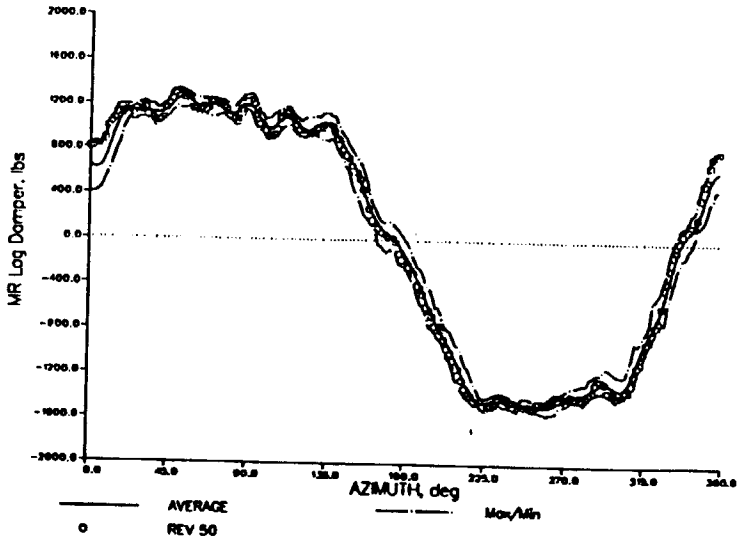
LYNX FLT504, COND D
P2604; MEAN=-5.140E+03; 1/2PP= 3.121E+03



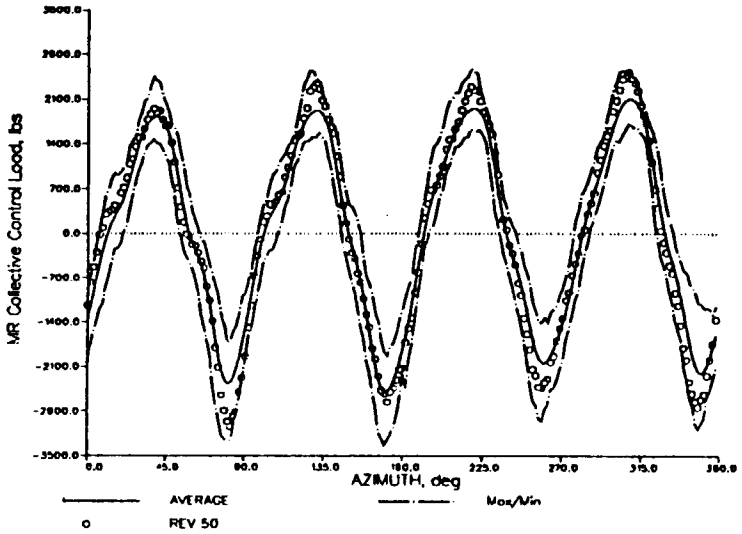
LYNX FLT504, COND D
P2404; MEAN= 1.583E+02; 1/2PP= 6.013E+03



LYNX FLT504, COND D
P3104; MEAN= 4.953E+02; 1/2PP= 1.370E+03



LYNX FLT504, COND D
P2804: MEAN=-1.554E+03; 1/2PP= 2.361E+03



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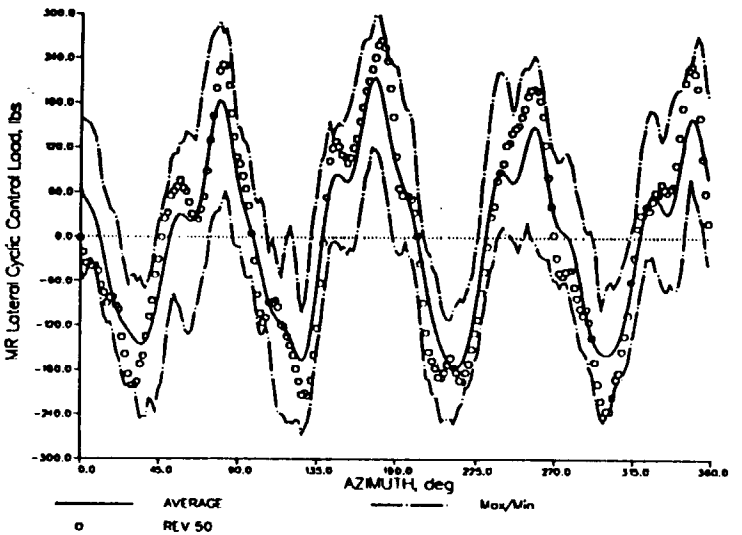
P3204: MEAN=-2.283E+02; 1/2PP= 1.960E+02



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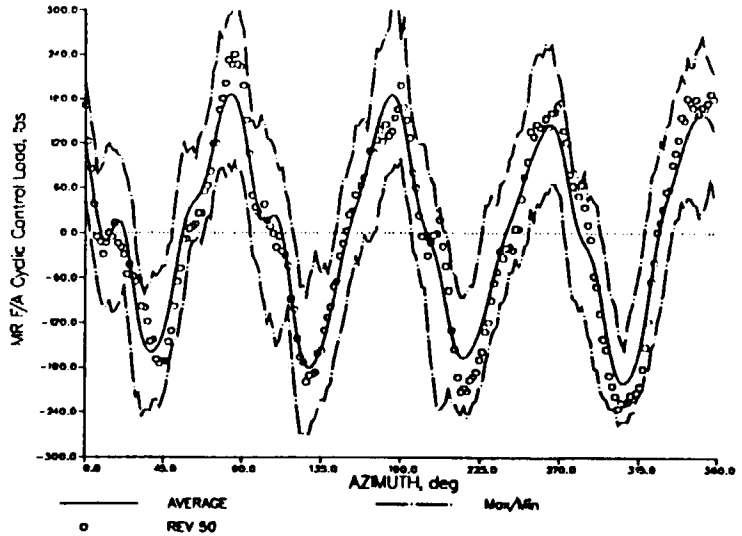
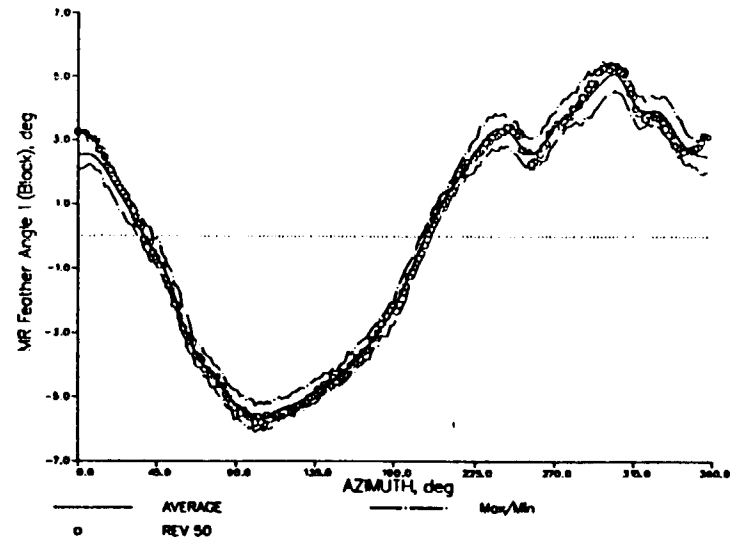
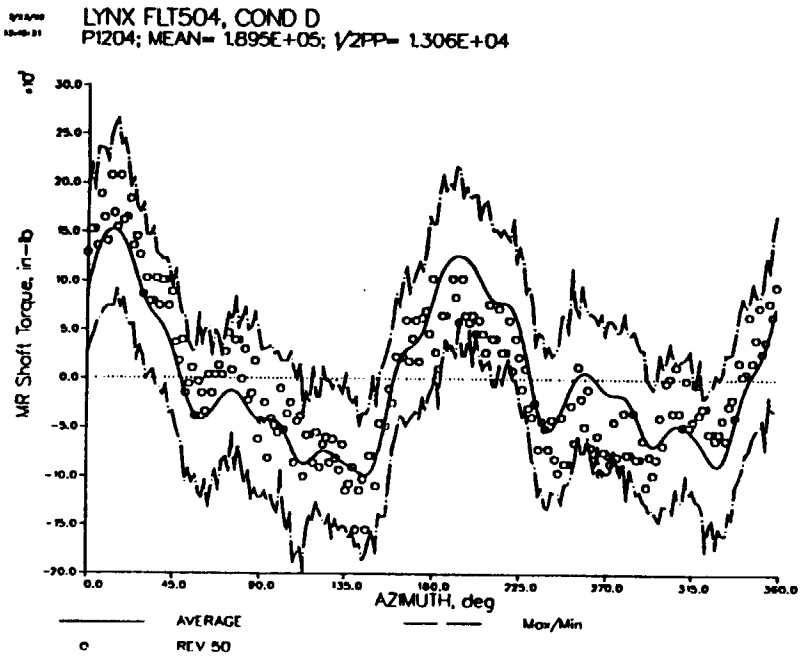
P2904: MEAN= 1.922E+02; 1/2PP= 1.972E+02

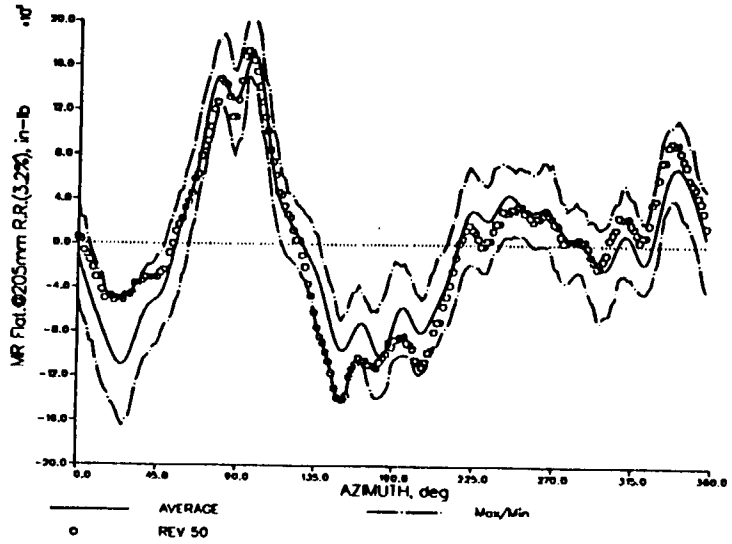


LYNX FLT504, COND D
P3004: MEAN= 1.646E+01; 1/2PP= 5.398E+00

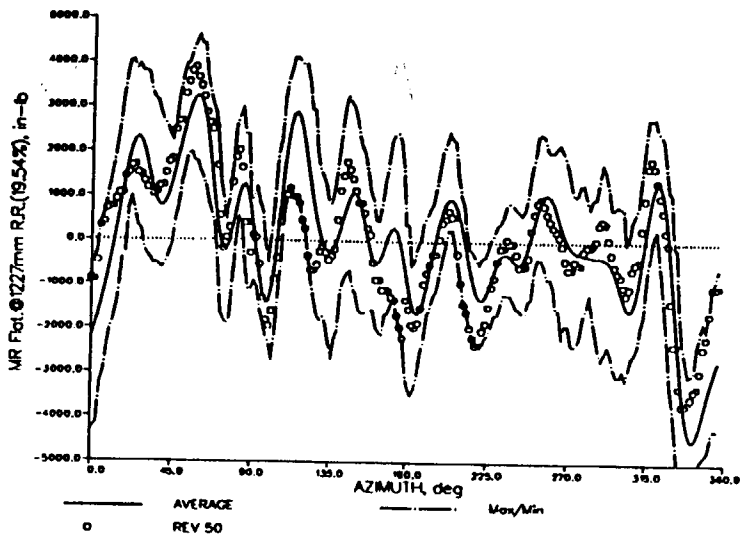



LYNX FLT504, COND D
P1204; MEAN= 1.895E+05; 1/2PP= 1.306E+04
MR Shaft Torque, in-lb
30.0
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
-10.0
-15.0
-20.0
0.0
45.0
90.0
135.0
180.0
225.0
270.0
315.0
360.0
AZIMUTH, deg
AVERAGE
Max/Min
REV 50

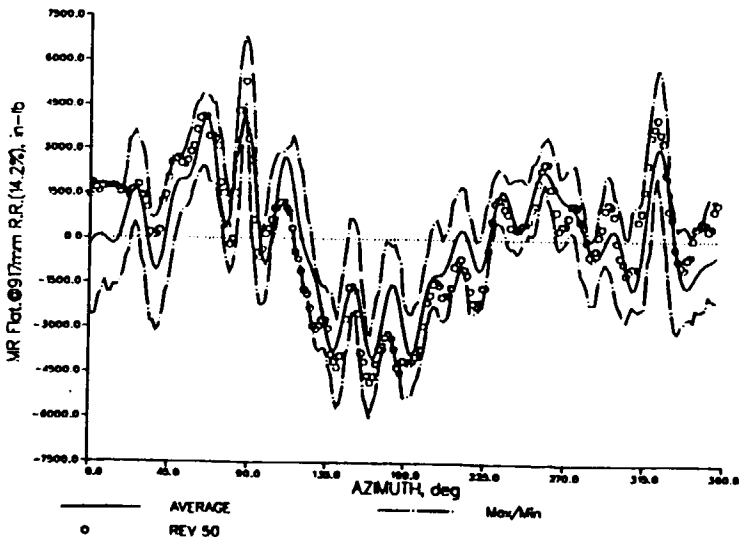
LYNX FLT504, COND E
P1305; MEAN= 3.127E+04; 1/2PP= 1.444E+04



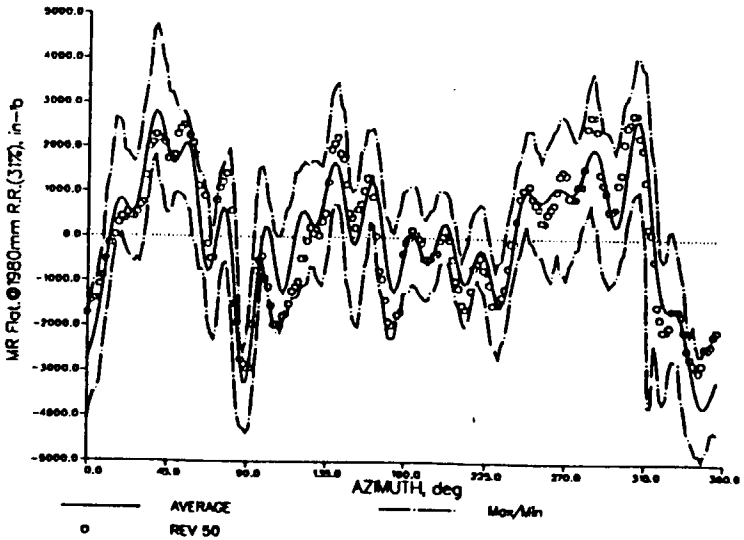
LYNX FLT504, COND E
P1705; MEAN= 1.925E+04; 1/2PP= 3.826E+03



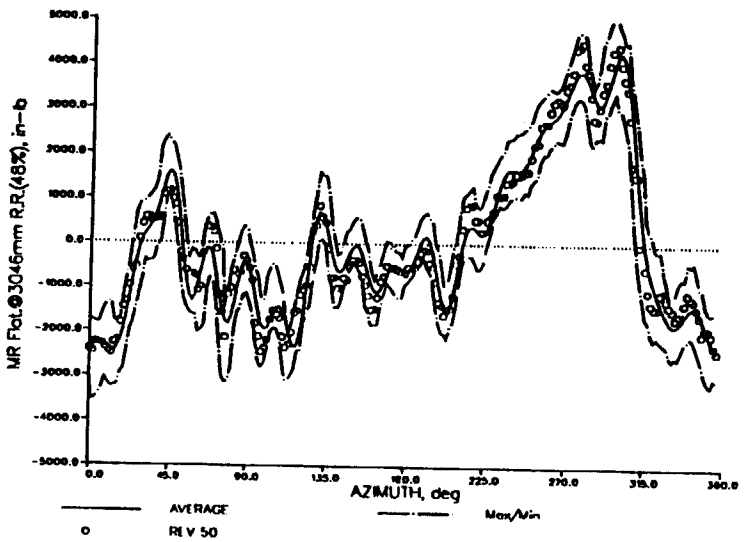
LYNX FLT504, COND E
P1505; MEAN= 2.105E+04; 1/2PP= 4.923E+03



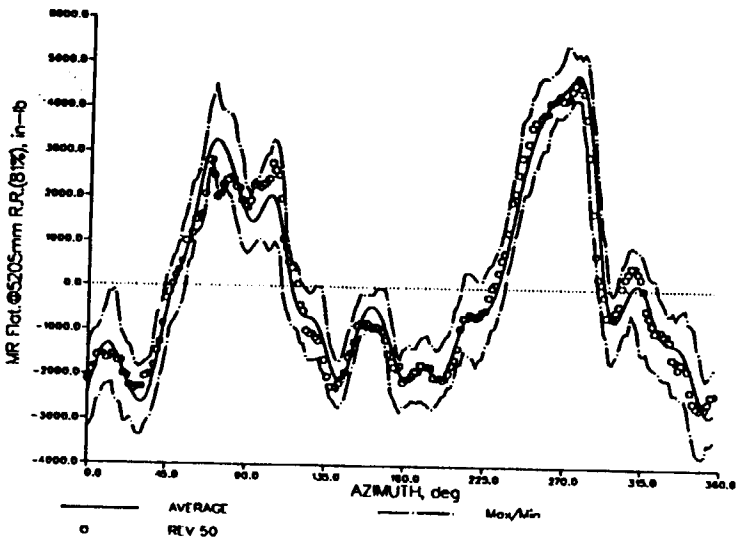
LYNX FLT504, COND E
P1905; MEAN= 1.296E+04; 1/2PP= 3.229E+03



LYNX FLT504, COND E
P2105; MEAN= 4.968E+03; 1/2PP= 3.300E+03



LYNX FLT504, COND E
P2505; MEAN=-4.716E+03; 1/2PP= 3.825E+03



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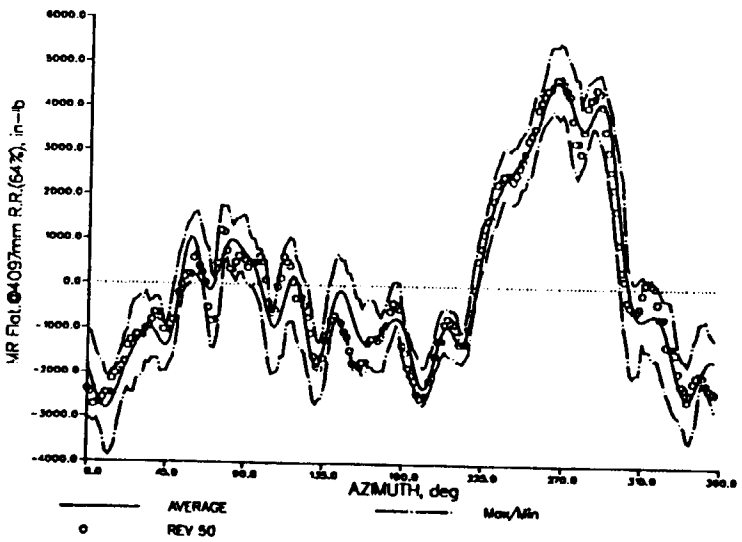
P2305; MEAN=-4.176E+02; 1/2PP= 3.774E+03



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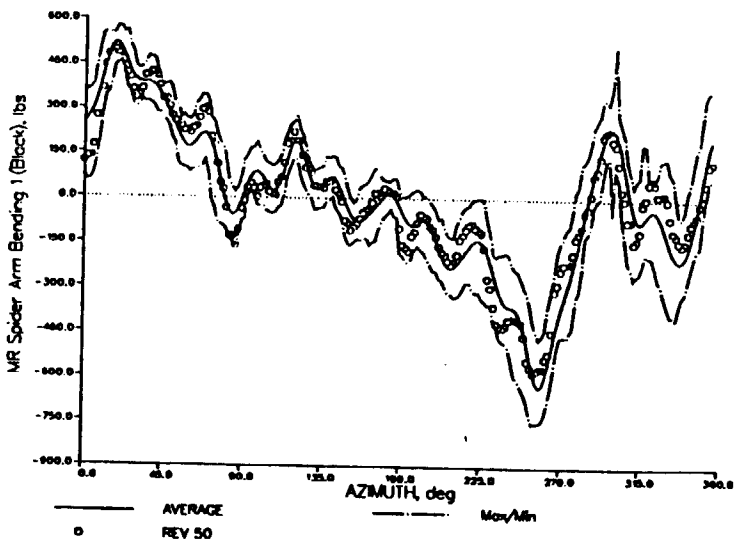
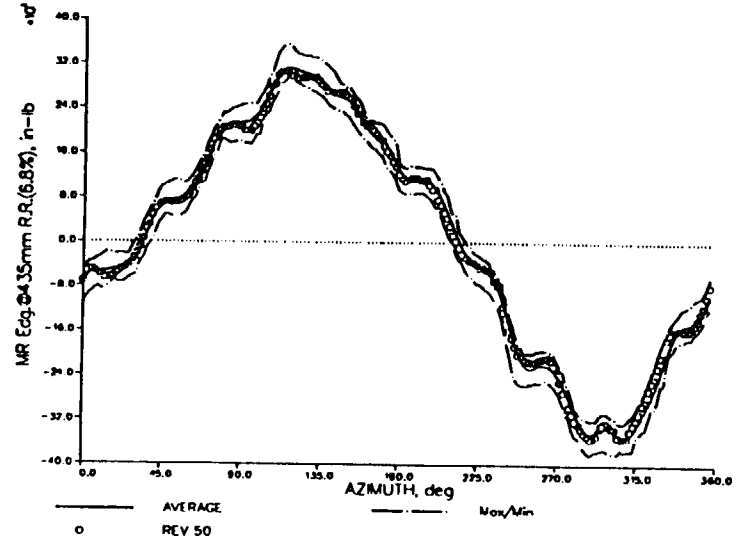
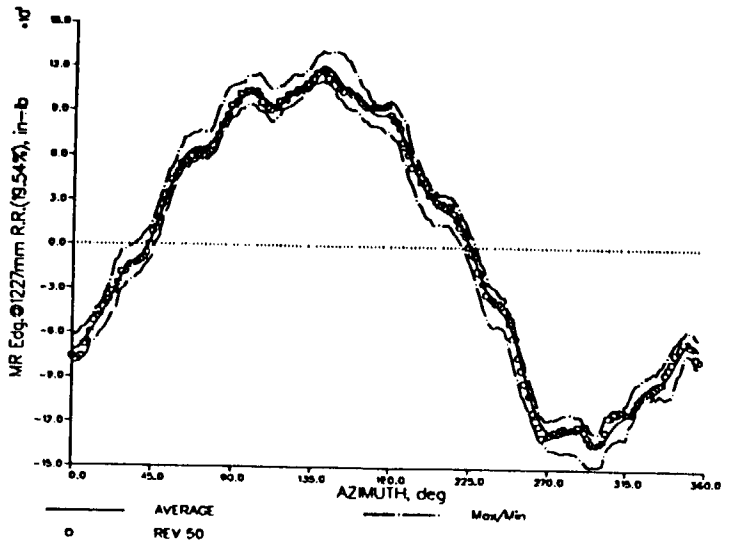
P3305; MEAN=-8.418E+01; 1/2PP= 5.638E+02



LYNX FLT504, COND E
P1405; MEAN= 2.366E+03; 1/2PP= 3.333E+04



LYNX FLT504, COND E
P1805; MEAN= 1.544E+03; 1/2PP= 1.283E+04



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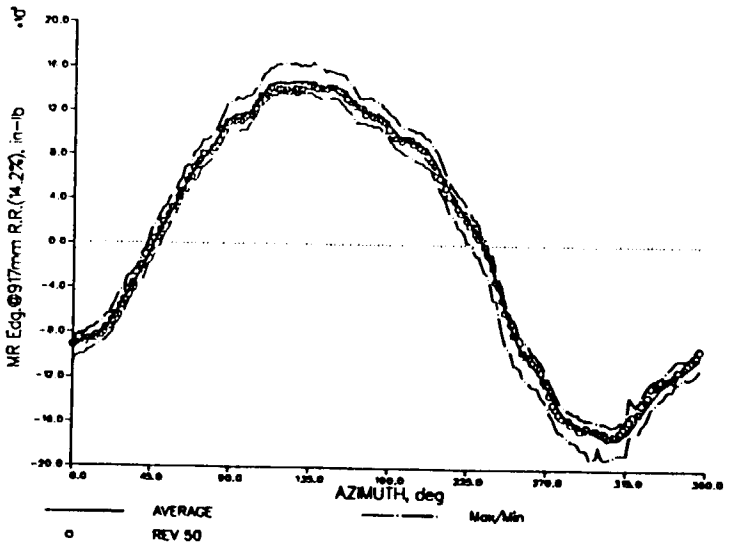

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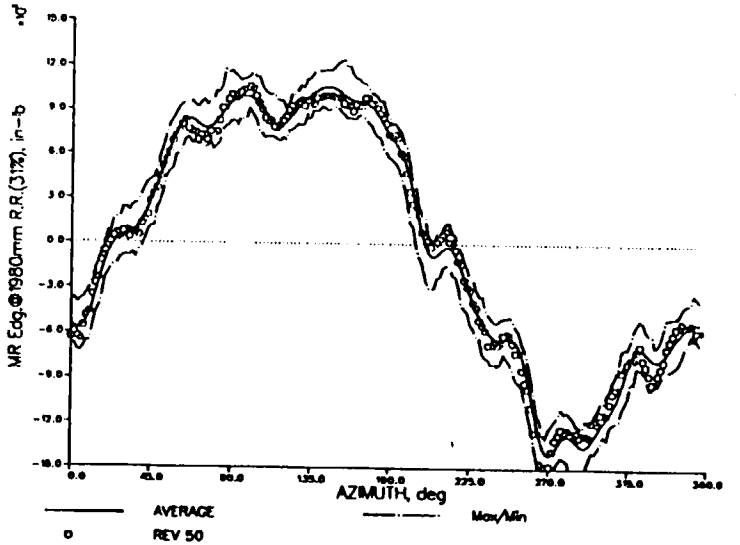
P2005; MEAN=-3.463E+03; 1/2PP= 1.246E+04



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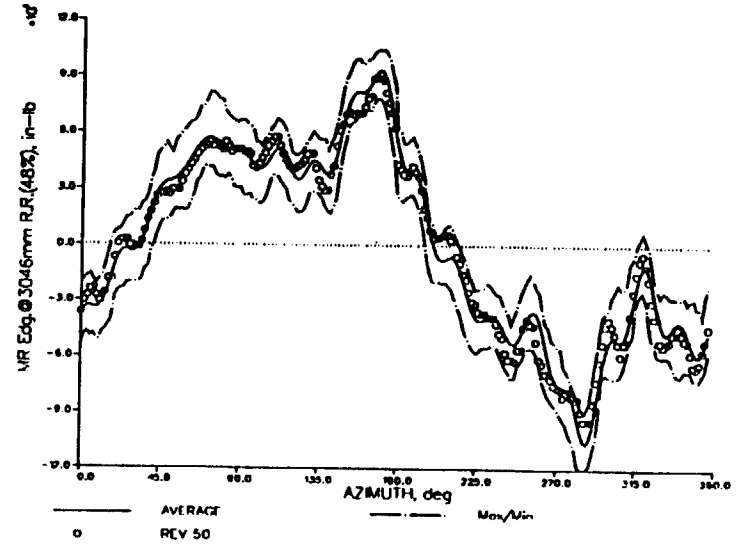
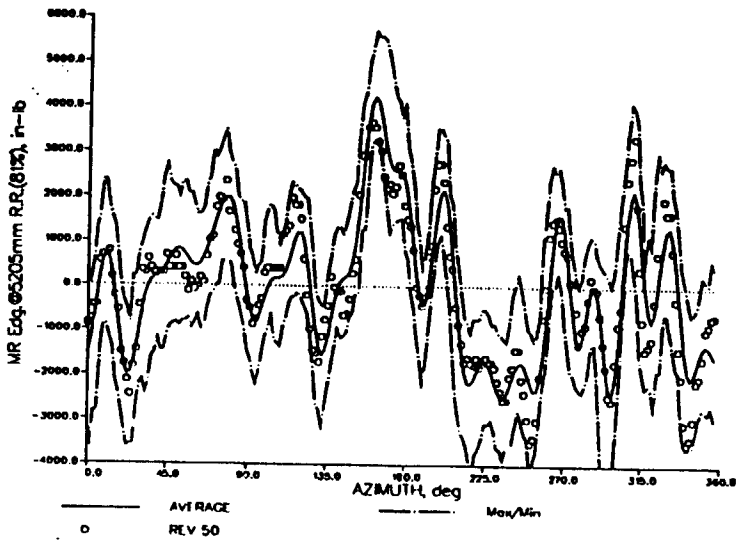
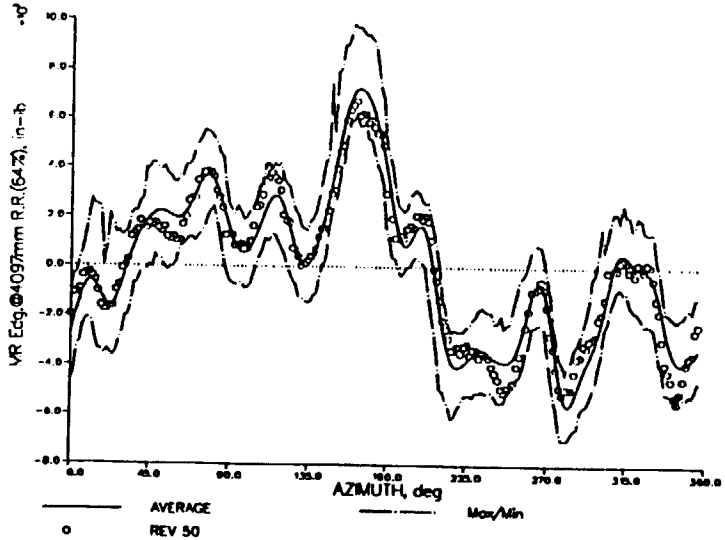
P2205; MEAN=-1.624E+03; V2PP= 9.875E+03



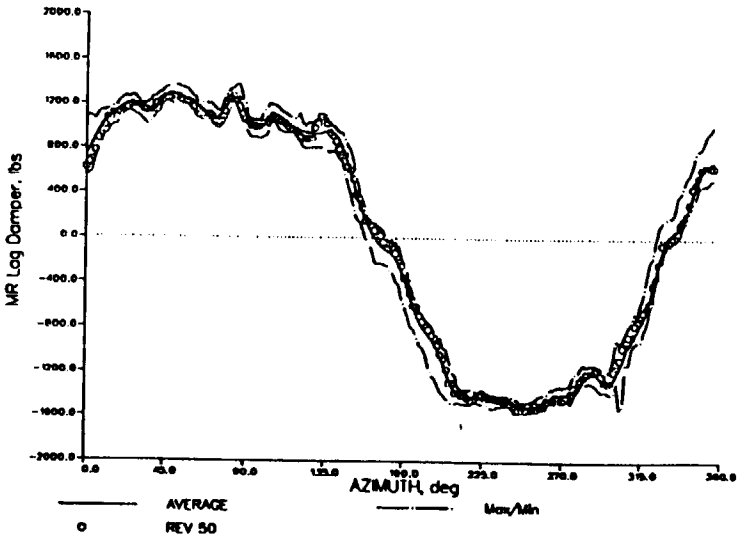
LYNX FLT504, COND E
P2605; MEAN=-5.185E+03; V2PP= 3.461E+03

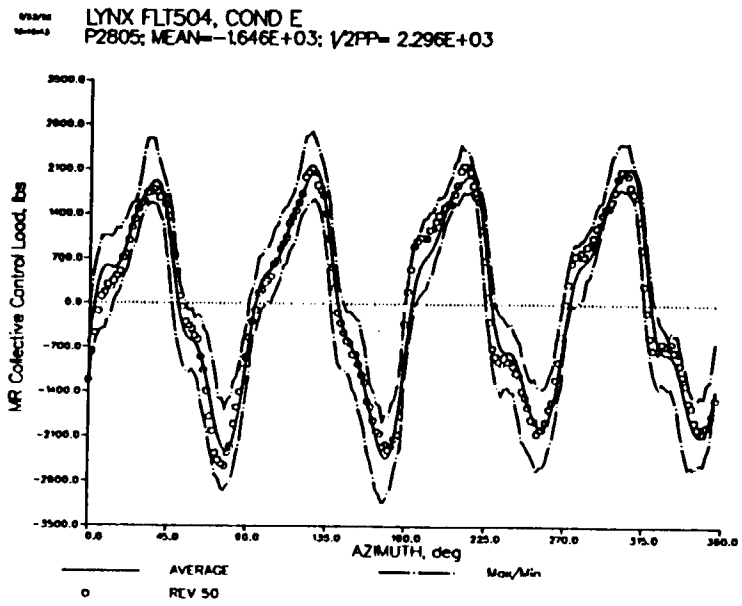


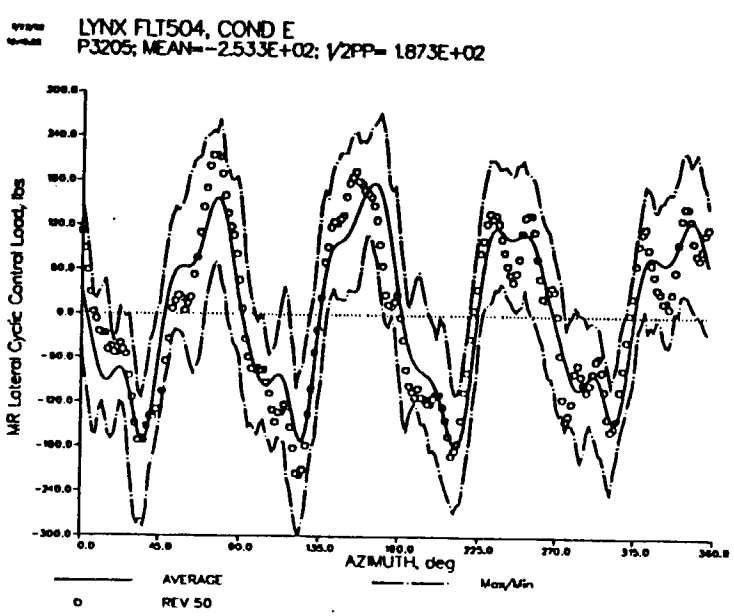
LYNX FLT504, COND E
P2405; MEAN=-1.189E+03; V2PP= 6.450E+03

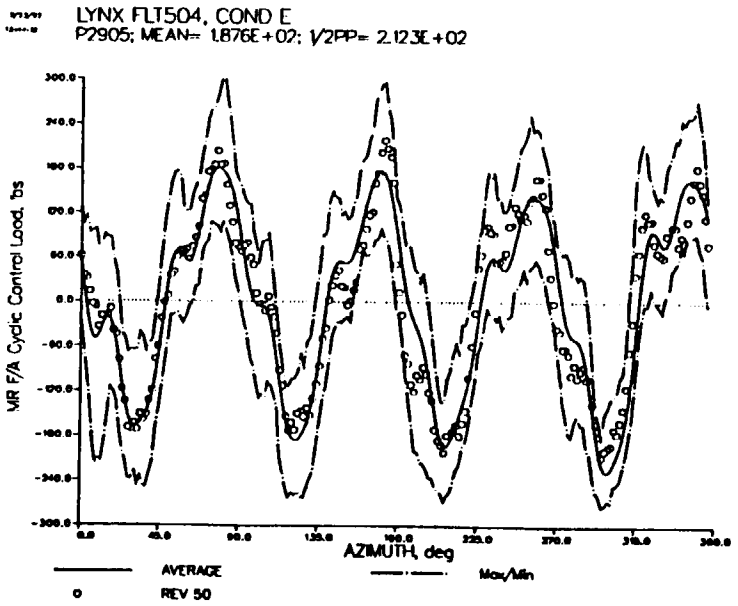


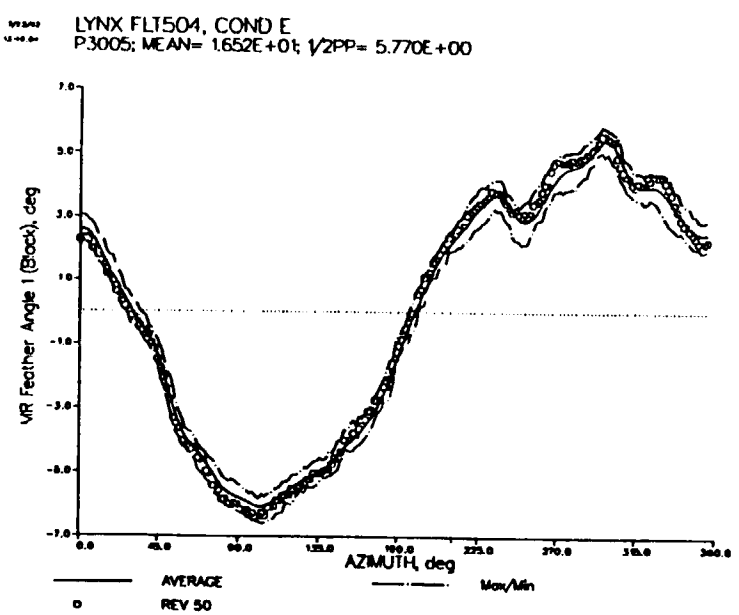
LYNX FLT504, COND E
P3105; MEAN= 4.977E+02; V2PP= 1.405E+03

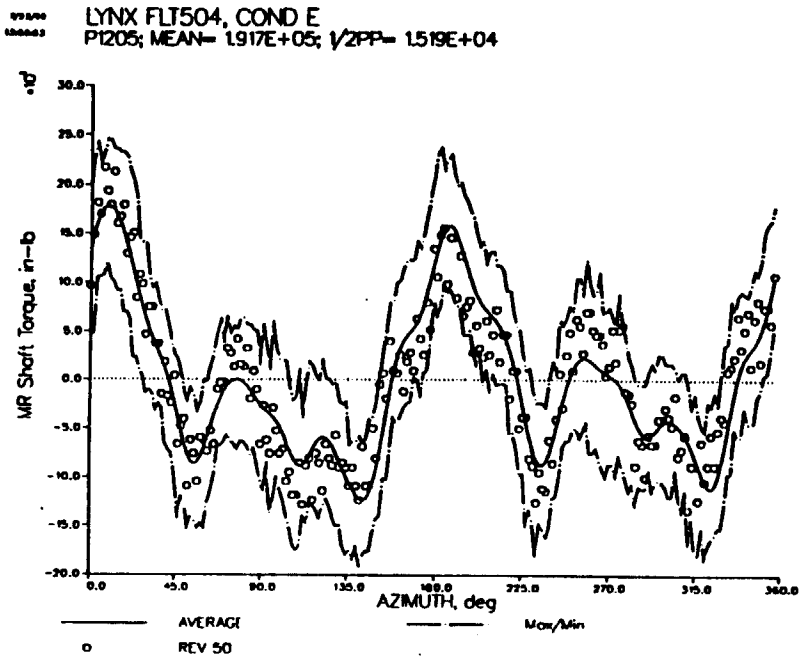



LYNX FLT504, COND E
P2805; MEAN=-1.646E+03; V2PP= 2.296E+03
MR Collective Control Load, lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT504, COND E
P3205; MEAN=-2.533E+02; V2PP= 1.873E+02
MR Lateral Cyclic Control Load, lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT504, COND E
P2905; MEAN= 1.876E+02; V2PP= 2.123E+02
MR F/A Cyclic Control Load, lbs
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT504, COND E
P3005; MEAN= 1.652E+01; V2PP= 5.770E+00
VR Feather Angle 1 (Back), deg
AZIMUTH, deg
AVERAGE
Max/Min
REV 50


LYNX FLT504, COND E
P1205; MEAN= 1.917E+05; V2PP= 1.519E+04
MR Shaft Torque, in-lb
AZIMUTH, deg
AVERAGE
REV 50
Max/Min

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13. ABSTRACT ***(Maximum 200 words)***

This report presents the results of a series of flight tests on the Lynx XZ170 helicopter with rectangular blades. The test objectives were to explore the flight envelope and to measure the performance and structural loads of the Lynx main-rotor system. The tests were conducted as part of the British Experimental Rotor Programme (BERP) under a contract with the Ministry of Defense in England. Data were acquired for steady-level flights at five weight coefficients. Some flight conditions were tested at beyond the retreating-blade stall boundary, which was defined by a predetermined limit on the pitch-link vibratory load. In addition to documenting the flight conditions and data, this report describes the aircraft, particularly the rotor system, in detail.

14. SUBJECT TERMS

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15. NUMBER OF PAGES

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