NASA Technical Memorandum 81218

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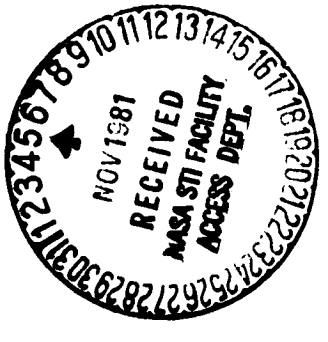
August 1980



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AN INVESTIGATION OF A STOPPABLE HELICOPTER ROTOR WITH CIRCULATION CONTROL

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SUMMARY

A stoppable helicopter rotor with circulation control was investigated in the Ames 40- by 80-Foot Wind Tunnel. The model was tested as a rotating wing, a fixed wing, and during transition start/stop sequences. The objectives were to determine the capability of the model's control system to maintain pitch- and roll-moment balance during the start/stop sequence, to assess the ability of the blades to withstand the start/stop loads, to determine the adequacy of the control system to maintain balance in the helicopter mode, and to assess the control system capabilities in the fixed-wing mode. This report presents time-history data of several start/stop sequences of the X-wing rotor, and the steady-state data relating to the model as both a rotor and as a fixed-wing aircraft. In addition, stability data are presented which were acquired during open-loop and closed-loop tests of the hub moment feedback control system.

INTRODUCTION

The maximum forward speed and lifting capability of a helicopter in forward flight can be limited by retreating blade stall. Traditionally, the solution to this problem has been to add more blade area, to employ a separate wing, or to use a second contrarotating rotor. Without exception these approaches have not been completely successful and additional limiting problems have ensued. To avoid this problem, the X-Wing aircraft was developed to stop the rotor in a preset orientation and to allow the aircraft to achieve higher forward flight speeds, with its weight supported by the stopped rotor and with propulsion supplied by other suitable means. This requires a rotor considerably stiffer than those employed by conventional helicopters, with airfoils efficient in both forward and reverse flow. The yaw angle was maintained at 0° throughout the test program.

TEST MODULE

The test module incorporated a faired body whose purpose was to simulate a fuselage, to provide a support platform for and to house the rotor drive systems and the high pressure air system. The rotor drive system consisted of a 100 hp variable speed motor and transmission. The module was designed to have two motor-compressor units housed in the faired body; however, for the tests reported herein, the high-pressure air system was located under the tunnel test-section flooring, and ducting was provided alongside one of the two lateral support struts (fig. 1). An overflow dump valve, downstream, with

respect to the circulation control air path, of the two motor-compressor units, was used as a safety and airflow control valve. An airflow measuring venturi meter was downstream of the dump valve, and the air was then ducted up to a plenum chamber located just below the hub.

The hub contained pneumatic valves to permit control of the airflow to the blades in a collective manner and in a basically cyclic 1P (once per revolution) manner. Additional capability of 2P blowing as well as means for leading- and/or trailing-edge blowing was provided. The blade connection to the hub also allowed for mechanical collective pitch change.

ROTOR BLADES

Figure 2 shows a typical X-Wing blade cross section. Airflow was possible from both leading edges and trailing edges along the entire blade span. The trailing-edge jet nozzle continued around the blade tip to approximately the midchord point. The nozzle slot width was adjustable along the leading and trailing edges. Airflow out the nozzles provided the circulation control. As the airflow increased by increasing the air pressure in the duct, the jet was deflected by the Coanda effect to increase the blade lift without changing the geometric angle-of-attack of the section.

The blades were attached to the hub without articulation except for collective pitch changes. No mechanical mechanism for cyclic pitch was provided. The blade and hub connection was quite stiff resulting in a flap frequency of 1.4P at the design rpm. Figure 3 presents the blade/hub bending frequencies.

Instrumentation

The pitch moment, roll moment, and thrust data were obtained from four load cells which were attached between the rotor hub and the supporting structure. The load cells, located adjacent to the plenum chamber, were subject to a highly variable temperature environment. In addition to the airflow meter, the module contained many other sensors for temperatures, positions, and strains. In the interest of brevity, these and the rest of the instrumentation associated with the testing of the X-Wing rotor are identified by their titles as listed in the section entitled "Data Reduction and Presentation."

Hub Moment Feedback Control System

The control system is illustrated in figure 4 by a block diagram. The load cells contained within the test module were used as pitch and roll sensors. Control stability measurements were collected during both fixed- and rotary-wing modes, and open-loop Bode plots were obtained for the control loops associated with the moments about the longitudinal and lateral axis. A complete discussion of both control measurement and analysis is contained in reference 2.

The X-Wing model used a circulation-controlled airfoil on very stiff nonarticulated blades capable of supporting the aircraft in fixed-wing flight. The circulation control is accomplished by blowing high pressure air over a rounded trailing edge of an elliptical airfoil, exploiting the Coanda effect. The elliptical leading and trailing edges are indistinguishable when the blades are stopped, thus blowing out either end of the major axis of the elliptical airfoil provides the necessary efficiency in both forward and reverse flow. For this system, the lift on the airfoil is a function of the quantity of blowing air, hence, roll- and pitch-moment control of the model can be achieved through control of the blowing on all four blades. No mechanical control surface or actuator is required other than a nonrotating air valve that modulates the airflow to the blades (ref. 1).

The most complex portion of the flight is the conversion from rotary-wing to fixed-wing operation. The aerodynamic aspects of the conversion encompass conditions of relatively high forward velocity over the advancing blade and reverse velocity over a portion of the retreating blade. Obviously, as the rotor is slowed and stopped, these conditions are changing constantly. For the X-Wing, the problem is not only to maintain sufficient lift for flight but also to assure a moment balance acting across the rotor disk, so as to maintain trimmed flight. The X-Wing design treats the lift and moment balance problems by blowing out of both the leading- and trailing-edge slots in the mixed flow region and by using cyclic pressure inputs which are controlled by a hub-moment feedback control system that senses the moments being developed by the rotor.

This report presents the results of the X-Wing model tests made in the Ames Research Center 40- by 80-Foot Wind Tunnel. The objectives were to determine the adequacy of the control system in maintaining pitch and roll moment balance during the start/stop sequences, to assess the ability of the blades to withstand the stopping/starting loads, to determine the adequacy of the control system to maintain balance in the helicopter mode, and to assess the system's capabilities in the fixed-wing mode (Rotor Data Reduction System 40- by 80-Foot Wind Tunnel. Ames internal document by Wayne Johnson and F. Silva.) A further objective was to determine the stability of the automatic hub-moment feedback control system during all modes of flight. Presented herein are time-history data of the several successful starts and stops of the X-Wing rotor at high forward speeds and the steady-state data obtained relating to the model as rotary-wing and as a fixed-wing aircraft. Also included are the stability data acquired during open-loop and closed-loop hub moment feedback control system stability tests.

MODEL DESCRIPTION

General

Figure 1 shows the X-Wing model on the test module as installed in the wind tunnel. The balance system struts and an air duct to the module were provided with fairings to minimize the extraneous airloads applied to the measuring system. The module pitch attitude (rotor-shaft angle of attack) was remotely controlled using an extendable tail strut.

Data Reduction and Presentation

Because of the variety of rotor operating conditions implicit in the concept of the X-Wing, tests were made and the data are presented for three operating regimes.

Fixed-wing mode- Steady-state data for the tare measurements and the tested operations are presented in appendix A. Table 1 presents the quantities for each fixed wing run.

TABLE 1.- FIXED-WING MODE DATA DEFINITIONS AND ORDER OF PRESENTATION

Column no.	Symbols	Parameter	Units
Col 1	VKTS	Tunnel velocity	knots
	QPSF, q	Tunnel dynamic pressure	lb/ft^2
	MTUN	Tunnel Mach number	
	PST	Tunnel static pressure	$lb/in.^2$
	RHO100	Tunnel air density	$lb\text{-}sec^2/ft^4$
Col 2	THETA	Rotor collective blade angle	deg
	BAR	Barometric pressure	in. Hg
	PTC	Total circulation control air gauge pressure	$lb/in.^2$
	WC	Circulation control air mass flow	lb/sec
	TEMPC	Circulation control air output temperature	°F
Col 3	XTEL	Rotor blade trailing edge airflow control actuator position	
	RPO	Plenum pressure ratio	
	PTP	Plenum gauge pressure	$lb/in.^2$
	TEMPP	Plenum air temperature	°F
	WP	Plenum airflow to rotor blades	lb/sec
Col 4	XLEL	Rotor blade leading edge airflow control actuator position	
	PT59T	Reference rotor blade peak slot pressure on trailing edge at blade station 0.59R	$lb/in.^2$
	PTRT	Reference rotor blade peak gauge pressure on trailing edge at blade root	$lb/in.^2$ $lb/in.^2$
	XP	Pitch cyclic actuator position	in.
	CPP	Pneumatic power coefficient; $\frac{550\ (\text{rotor pneumatic hp})}{1.689\ qS\ (VKTS)}$	
Col 5	ALFS, C	Rotor shaft angle of attack	deg
	PT 59 L	Reference rotor blade peak slot pressure on leading edge at blade station 0.59R	$lb/in.^2$
	VJR	Rotor blade root jet airflow velocity	ft/sec

TABLE 1.- CONCLUDED

Column no.	Symbols	Parameter	Units
Col 5 - concluded	XR	Roll cyclic actuator position	in.
	CMU100	Airflow momentum coefficient multiplied by 100; $\frac{(WP)(VJR)}{32.174(qS)}$	
Col 6	CLH	Lift coefficient, as measured at rotor hub, $\frac{lift}{qS}$	
	CDE	Total drag coefficient, $\frac{drag}{qS}$	
	FE	Equivalent flat-plate drag area; $\frac{drag}{q}$	ft^2
	ANGX/L	Inclination of thrust vector	deg
	CL'H	Roll moment coefficient, as measured at rotor hub; $\frac{roll}{qSb}$	
	CMH	Pitch moment coefficient, as measured at rotor hub; $\frac{pitch}{qSc}$	
Col 7	CL	Lift coefficient; $\frac{lift}{qS}$	
	CD	Drag coefficient; $\frac{drag}{qS}$	
	CY	Side force coefficient; $\frac{side\ force}{qS}$	
	CN	Yaw moment coefficient; $\frac{yaw}{qSb}$	
	CL'	Roll moment coefficient; $\frac{roll}{qSb}$	
	CM	Pitch moment coefficient; $\frac{pitch}{qSc}$	

where:
b = X-Wing fixed-blade semispan = 8.839 ft
c = rotor blade chord = 0.051 ft
R = rotor radius = 12.500 ft
S = rotor blade planform area = 70.7 ft^2
ρ = current tunnel air density

Rotary wing mode- Steady-state and dynamic data for both tare measurements and test conditions are presented in appendix B. Table 2 presents the quantities for each rotary wing run.

TABLE 2.- ROTARY WING MODE DATA DEFINITIONS AND ORDER OF PRESENTATION

Column no.	Symbols	Parameter	Units
Col 1	VKTS	See table 1, column 1	knots
	QPSP, q	See table 1, column 1	lb/ft^2
	MTUN	See table 1, column 1	
	PST	See table 1, column 1	$lb/in.^2$
	RH100	See table 1, column 1	$lb\text{-}sec^2/ft^4$
Col 2	RPM, Ω	Rotor rotating velocity	rpm
	V/OR	Rotor advance ratio	
	TIPM	Rotor blade rotating tip Mach number	
	TEMP	Tunnel temperature	°F
	OMEG*R, ΩR	Rotor blade rotating tip speed	ft/sec
Col 3	THETA	See table 1, column 2	
	BAR	See table 1, column 2	
	PTC	See table 1, column 2	
	TEMPC	See table 1, column 2	
	WC	See table 1, column 2	
	CPCR100	Compressor horsepower coefficient; $\frac{550\ (\text{horsepower})}{\rho S(\Omega R)^3}$	
Col 4	X2P	2/Rev. actuator position	in.
	VJR	See table 1, column 5	
	PTP	See table 1, column 3	
	TEMPP	See table 1, column 3	
	WP	See table 1, column 3	
	CPPR100	Pneumatic horsepower coefficient multiplied by 100; $\frac{550\ (\text{horsepower})}{\rho S(\Omega R)^3} * 100$	
Col 5	XLEL	See table 1, column 4	
	XTEL	See table 1, column 3	
	XR	See table 1, column 5	
	XP	See table 1, column 4	
	CMUR100	Rotor airflow coefficient, $\frac{WP(VJR)}{\rho S(\Omega R)^2}$	
Col 6	RPO	See table 1, column 3	
	PTRT	See table 1, column 4	
	PT59L	See table 1, column 5	
	PT59T	See table 1, column 4	
	CPS100	Rotor shaft horsepower coefficient, multiplied by 100, $\frac{550(\text{horsepower})}{\rho S(\Omega R)^3} * 100$	
Col 7	ALFS, C	See table 1, column 5	
	L/D	Rotor lift to rotor drag ratio	
	ANGX/L	See table 1, column 6	
	FE	See table 1, column 6	
	CP/S	Rotor power coefficient	

TABLE 2.- CONCLUDED

Column no.	Symbols	Parameter	Units
Col 8	CLR/S	Rotor lift coefficient, $\frac{\text{lift}}{\rho S(\Omega R)^2}$	
	CMY/S	Rotor pitch moment coefficient; $\frac{\text{pitch}}{\rho SR(\Omega R)^2}$	
	CT	Rotor thrust coefficient; $\frac{\text{thrust}}{\rho S(\Omega R)^2}$	
	CMRH	Rotor pitch moment coefficient, as measured at rotor hub; $\frac{\text{pitch}}{\rho SR(\Omega R)^2}$	
	CQO/S	Total rotary power coefficient; $\frac{\text{torque}}{\rho S(\Omega)} - \frac{CP}{S}$	
Col 9	CXR/S	Rotor drag coefficient; $\frac{\text{drag}}{\rho S(\Omega R)^2}$	
	CMZ/S	Yaw moment coefficient; $\frac{\text{yaw}}{\rho SR(\Omega R)^2}$	
	CTH	Rotor lift coefficient, as measured at rotor hub; $\frac{\text{lift}}{\rho S(\Omega R)^2}$	
	CPR100	Rotor total power coefficient, multiplied by 100; CPS100 + CPPR100	
	CQ/S	Rotor shaft torque coefficient; (CMZ/S)cos(ALFS,C)+(CMX/S)sin(ALFS,C)	
Col 10	CYR/S	Rotor side force coefficient; $\frac{\text{side force}}{\rho S(\Omega R)^2}$	
	CMX/S	Rotor roll coefficient; $\frac{\text{roll}}{\rho SR(\Omega R)^2}$	
	CH	Rotor H force coefficient; $\frac{\text{H force}}{\rho S(\Omega R)^2}$	
	CL'RH	Rotor roll moment coefficient, as measured at rotor hub, $\frac{\text{roll}}{\rho SR(\Omega R)^2}$	
	CQO/S	Total rotary torque minus induced and propulsive torque; $CQ/S - (CQ/S)_{ideal}$	

Transient modes- Conversion tests, from fixed-wing to rotary-wing modes and the reverse, were conducted at several wind-tunnel conditions. Figures 5 through 18 show time histories of the starts and stops for which the following quantities were recorded. These time-history plots were generated by Lockheed-California Company from digital data provided by Ames Research Center.

TABLE 3.- TIME HISTORY PLOTS

Parameter	Units	Figure
Rotor azimuth	sine (ψ)	5a-18a
Rotor speed	rpm	5a-18a
Roll cyclic error	V	5a-18a
Pitch cyclic error	V	5a-18a
Rotor rolling moment	in.-lb[a]	5b-18b
Rotor pitching moment	in.-lb[a]	5b-18b
Rotor shaft torque	in.-lb[b]	5b-18b
Rotor thrust	lb[a]	5b-18b
Pilot input roll command	V	5c-18c
Pilot input pitch command	V	5c-18c
Roll cyclic actuator	in.[c]	5c-18c
Pitch cyclic actuator	in.[c]	5c-18c
Blade flap bending moment, blade #1 cuff	in.-lb	5d-18d
Blade chord bending moment, blade #1 at cuff	in.-lb	5d-18d
Blade torsion bending moment, blade #1 at cuff	in.-lb	5d-18d
Blade feathering angle	deg[d]	5d-18d
Blade flap bending moment, blade #1 cuff	in.-lb[e]	5e-18e
Blade flap bending moment, blade #2 cuff	in.-lb[f]	5e-18e
Blade flap bending moment, blade #3 cuff	in.-lb[f]	5e-18e
Blade flap bending moment, blade #4 cuff	in.-lb	5e-18e
Blade chord bending moment, blade #1 cuff	in.-lb	5f-18f
Blade chord bending moment, blade #2 cuff	in.-lb	5f-18f
Blade chord bending moment, blade #3 cuff	in.-lb	5f-18f
Blade chord bending moment, blade #4 cuff	in.-lb	5f-18f
Load cell thrust	lb	5g-18g
Blade torsional moment, blade #1 40% radial station	in.-lb	5g-18g
Blade chord bending moment, blade #1 25% radial station	in.-lb	5g-18g
Blade chord bending moment, blade #1 40% radial station	in.-lb	5g-18g
Plenum pressure	lb/in.^{2}	5h-18h
Total pressure trailing edge duct, blade #1, at root	lb/in.^{2}	5h-18h
Total pressure trailing edge duct, blade #1, at 29% radial station	lb/in.^{2}	5h-18h
Total pressure trailing edge duct, blade #1, at 44% radial station	lb/in.^{2}	5h-18h

[a] As obtained from the model moment and thrust sensors.

[b] As commanded by model automatic control system to drive the cyclic error signal (fig. 5a) to zero.

[c] From strain gauge rotor shaft.

[d] Model has no cyclic feathering system, so signal reflects looseness of collective system.

[e] Repeat from figure d.

[f] Note scale change.

TABLE 3.- CONCLUDED

Parameter	Units	Figure
Static pressure trailing edge duct, blade #1 at 44% radial station	lb/in.^{2}	5i-18i
Static pressure trailing edge duct, blade #1 at 59% radial station	lb/in.^{2}	5i-18i
Static pressure trailing edge duct, blade #1 at 74% radial station	lb/in.^{2}	5i-18i
Static pressure trailing edge duct, blade #1 at 88% radial station	lb/in.^{2}	5i-18i
Total pressure trailing edge duct, blade #1 at 59% radial station	lb/in.^{2}	5j-18j
Total pressure trailing edge duct, blade #1 at 74% radial station	lb/in.^{2}	5j-18j
Rotor blade trailing-edge slot deflection, blade #1 at 29% radial station	in.	5j-18j
Rotor blade trailing-edge slot deflection, blade #1 at 44% radial station	in.	5j-18j
Total pressure, trailing edge duct, blade #1 at 59% radial station	lb/in.^{2}	5k-18k
Total pressure, trailing edge duct, blade #3 at 59% radial station	lb/in.^{2}	5k-18k
Total pressure, trailing edge duct, blade #4 at 59% radial station	lb/in.^{2}	5k-18k
Total pressure, trailing edge duct, blade #1 at 74% radial station	lb/in.^{2}	5k-18k
Total pressure, leading edge duct, blade #1 at 59% radial station	lb/in.^{2}	5ℓ-18ℓ
Total pressure, leading edge duct, blade #3 at 59% radial station	lb/in.^{2}	5ℓ-18ℓ
Total pressure, leading edge duct, blade #4 at 59% radial station	lb/in.^{2}	5ℓ-18ℓ
Total pressure, leading edge duct, blade #1 at 72% radial station	lb/in.^{2}	5ℓ-18ℓ
Rotor blade trailing-edge slot deflection, blade #1 at 59% radial station	in.[g]	5m-18m
Rotor blade trailing-edge slot deflection, blade #1 at 74% radial station	in.[g]	5m-18m
Rotor blade trailing-edge slot deflection, blade #1 at 88% radial station	in.	5m-18m
Static pressure, trailing edge duct, blade #1 at root	lb/in.^{2}	5m-18m

where: ψ = reference rotor blade azimuth angle with respect to 0° over empennage

During preselected test conditions, the Dynamic Analysis System (DAS) was utilized to assess on-line the hub-moment feedback control system stability. The measurements recorded are listed in table 4 and the Bode plots for the tabulated conditions are presented in figures 19 through 61. From these plots, two important parameters, gain margin and phase margin, may be obtained which define the relative stability of the control loop under examination. Gain margin is defined as the magnitude of transfer function (in dB) evaluated at the frequency where the phase angle is -180°. The phase margin is defined as the phase angle (deg) above -180° at the gain crossover frequency (i.e., dB = 0).[2,3]

TABLE 4.- HUB MOMENT FEEDBACK CONTROL SYSTEM STABILITY DATA

Figure	Run	Point	Feedback control loop condition	
			Roll loop	Pitch loop
19	23	20	Open	Stability test
20	23	38-1	Stability test	Open
21	23	38-2	Open	Stability test
22	23	38-3	Closed	Stability test
23	25	9	Open	Stability test
24	25	10	Stability test	Open
25	25	11	Closed	Stability test
26	27	16	Open	Stability test
27	27	17	Stability test	Open
28	27	18	Closed	Stability test
29	27	19	Stability test	Closed
30	34	14	Stability test	Open
31	34	15	Open	Stability test
32	34	16	Stability test	Closed
33	34	17	Closed	Stability test
34	35	3	Stability test	Open
35	35	4	Open	Stability test
36	35	5	Stability test	Closed
37	35	6	Closed	Stability test
38	36	4	Stability test	Open
39	36	5	Closed	Stability test
40	38	8	Stability test	Open
41	38	9	Open	Stability test
42	38	10	Open	Stability test
43	39	4	Stability test	Open
44	39	5	Open	Stability test
45	39	7	Open	Stability test
46	39	8	Stability test	Open
47	39	9	Stability test	Closed
48	39	11	Open	Stability test
49	39	12	Stability test	Open
50	39	14	Open	Stability test
51	39	15	Stability test	Open

TABLE 4.- CONCLUDED

Figure	Run	Point	Feedback control loop condition	
			Roll loop	Pitch loop
52	39	21	Stability test	Open
53	40	16	Open	Stability test
54	40	17	Stability test	Open
55	40	18	Open	Stability test
56	40	19	Closed	Stability test
57	40	22	Stability test	Open
58	46	5	Stability test	Open
59	46	7	Open	Stability test
60	46	8	Closed	Stability test
61	46	11	Open	Stability test

CONCLUDING REMARKS

The test objectives as set forth in the introduction of this report were successfully met. The X-Wing control system was able to maintain pitch- and roll-moment balance in the rotary-wing mode and during the start/stop sequences, the blades were able to withstand the loads encountered in the starting and stopping procedures, and the capabilities of the control system in the fixed-wing mode were determined. The automatic hub-moment feedback control system demonstrated adequate gain margin for the majority of the modes of flight tested.

APPENDIX A

FIXED WING MODE STEADY STATE DATA

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2A 3C 4D 5D

	VKTS CPSF MTUN PST RHO100	THETA PAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDL FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 17							
PT 6	120.7 45.9 0.1782 2082.28 0.0022	-4.7 30.09 -0.13 152.0 0.54	1.38 1.00 14.45 152.0 0.53	1.58 -0.20 -0.13 0.08 0.015	4.0 0. 1106.540 -0.04 0.56164	0.42338 0.01 -0.38 1.1 0.01726 0.00000	0.28008 -0.00536 0.01992 0.00141 0.01491 0.00000
PT 7	120.6 45.9 0.1782 2082.28 0.0022	-4.6 30.09 -0.13 152.0 -0.03	1.39 1.00 14.45 152.0 -0.04	1.59 -0.20 -0.13 0.10 -0.001	4.0 0. 1106.540 -0.04 -0.03743	0.43551 -0.00 -0.07 0.2 0.01852 0.00000	0.26468 -0.00105 0.01237 -0.00352 0.02512 0.00000
PT 8	120.5 45.9 0.1781 2082.31 0.0022	-4.6 30.09 -0.13 152.0 -0.03	1.38 1.00 14.40 152.0 -0.04	1.58 -0.20 -0.11 0.10 -0.001	4.0 0. 1106.540 -0.04 -0.03745	0.44353 -0.00 -0.04 0.1 0.01945 0.00000	0.27414 -0.00058 -0.00349 -0.00418 0.03376 0.00000
PT 9	120.4 45.8 0.1780 2082.38 0.0022	-4.7 30.09 -0.08 152.0 0.54	1.39 1.00 14.41 152.0 0.53	1.59 -0.20 -0.11 0.10 0.015	4.0 0. 1106.540 -0.05 0.56623	0.39391 0.02 0.52 -1.5 0.01863 0.00000	0.27481 0.00732 -0.00446 -0.00208 0.03479 0.00000
PT 10	120.4 45.8 0.1779 2082.43 0.0022	-4.6 30.09 -0.08 152.0 -0.03	1.39 1.00 14.45 152.0 -0.03	1.59 -0.23 -0.11 0.10 -0.001	4.0 0. 1106.540 -0.05 -0.03346	0.43764 0.01 0.56 -2.8 0.01861 0.00000	0.27218 0.01353 0.01435 0.00329 0.03445 0.00000

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	CPSF	PAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
PT 11	120.4	-4.7	1.39	1.59	4.0	0.44143	0.29534
	45.8	30.09	1.00	-0.20	0.	-0.21	0.01291
	0.1779	-0.34	14.46	-0.13	1106.540	0.91	0.01867
	2082.43	152.0	152.0	0.11	-0.05	-2.5	0.00119
	0.0022	-7.69	-7.64	-0.221	-8.11949	0.01929	0.01805
						0.00000	0.00000
PT 12	120.4	-4.7	1.39	1.58	4.0	0.41480	0.28893
	45.8	30.09	1.00	-0.20	0.	0.03	0.01212
	0.1779	-0.08	14.41	-0.08	1106.540	0.86	0.01590
	2082.40	152.0	152.0	0.11	-0.05	-2.4	-0.00076
	0.0022	0.54	0.53	0.015	0.56653	0.01901	0.02166
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2B 3A 4C 5B

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	CPSF	PAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 7	120.9	-3.7	-1.09	1.12	0.0	0.15769	0.12177
	46.6	30.08	1.00	-0.17	0.	0.02	-0.00362
	0.1796	-0.08	14.51	-0.08	1106.540	-0.26	0.02616
	2080.86	152.0	152.0	0.03	0.00	1.7	0.00272
	0.0022	0.98	0.96	0.027	1.00359	0.00710	0.01049
						0.00000	0.00000
PT 8	121.0	-3.7	-1.09	1.12	0.0	0.06538	0.12166
	46.7	30.08	1.00	-0.17	0.	0.02	-0.00500
	0.1796	-0.13	14.50	-0.08	1106.540	-0.35	0.02950
	2080.86	152.0	152.0	0.03	0.01	2.4	0.00318
	0.0022	0.97	0.96	0.027	0.99985	0.00274	0.01156
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2B 3A 4C 5D

RUN 16
PT 10

VKTS	121.1	THETA	-3.7	XTEL	-1.09	XLEL	1.15	ALFS,C	4.0	CLH	0.33045	CL	0.26535
CPSF	46.7	RAR	30.08	RPO	1.01	PT59T	-0.17	PT59L	0.	CDE	0.02	CD	-0.00923
MTUN	0.1757	PTC	-0.08	PTP	14.54	PTRT	-0.08	VJR	1106.540	FE	-0.65	CY	0.02214
PST	2080.81	TEMPC	152.0	TEMPP	152.0	XP	0.03	XR	0.00	ANGX/L	2.0	CN	0.00014
RHO100	0.0027	WC	0.98	WP	0.96	CPP	0.027	CMU100	1.00202	CL*H	0.01512	CL*	0.00847
										CMH	0.00000	CM	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2C 3A 4C 5D

RUN 16
PT 9

VKTS	121.2	THETA	-2.8	XTEL	-1.08	XLEL	1.15	ALFS,C	4.0	CLH	0.31630	CL	0.26665
CPSF	46.7	RAR	30.08	RPO	1.00	PT59T	-0.15	PT59L	0.	CDE	0.02	CD	-0.00999
MTUN	0.1798	PTC	-0.08	PTP	14.50	PTRT	-0.08	VJR	1106.540	FE	-0.71	CY	0.01791
PST	2080.79	TEMPC	152.0	TEMPP	152.0	XP	0.03	XR	0.01	ANGX/L	2.1	CN	0.00913
RHO100	0.0022	WC	0.98	WP	0.96	CPP	0.027	CMU100	1.00155	CL*H	0.01548	CL*	0.00687
										CMH	0.00000	CM	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5A

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	MC	MP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 3	120.9	-0.1	-1.10	1.12	-4.0	-0.00196	-0.00398
	46.8	30.08	1.00	-0.17	0.	0.03	0.00213
	0.1799	-0.13	14.48	-0.10	1106.540	0.15	0.00897
	2080.69	152.0	152.0	0.03	0.00	-151.8	-0.00087
	0.0023	0.97	0.96	0.027	0.99631	-0.00082	-0.00903
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5B

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	MC	MP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 7	120.6	-0.1	-1.09	1.06	0.0	0.12078	0.13839
	46.9	30.08	1.00	-0.14	0.	0.01	-0.00603
	0.1802	-0.13	14.47	-0.10	1106.540	-0.64	0.00207
	2080.58	152.0	152.0	0.02	0.01	3.7	-0.00058
	0.0023	0.54	0.53	0.015	0.54964	0.00673	-0.00476
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5D

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJP	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							0.28229
PT 4	121.4	-0.1	-1.09	1.19	4.0	0.25930	-0.01068
	47.2	30.08	1.01	-0.14	0.	0.00	0.00718
	C.1806	-0.13	14.56	-0.10	1106.540	-0.76	0.00016
	2CHC.36	152.0	152.0	0.03	0.01	2.2	-0.00265
	0.0022	0.54	0.53	0.015	0.54708	0.01385	0.00000
						0.00000	

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5E

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							0.33656
PT 5	121.4	-0.1	-1.09	1.10	6.0	0.39592	-0.00902
	47.0	30.08	1.01	-0.14	0.	0.02	0.00434
	C.1804	-0.08	14.56	-0.05	1106.540	-0.64	-0.00186
	2CHO.48	152.0	152.0	0.03	0.00	1.5	-0.00369
	0.0022	0.98	0.96	0.027	0.99490	0.01761	0.00000
						0.00000	

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5F

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAP	FPD	PTSYT	PTS9L	CDE	CD
	PTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	PHOIOO	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT C	121.0	-0.1	-1.09	1.C3	8.0	0.42725	0.40873
	46.7	30.08	1.01	-0.15	0.	0.02	-0.00590
	C.1798	-0.08	14.56	-0.08	1106.540	-0.42	0.00385
	2C9C.77	152.0	152.0	0.03	0.01	0.8	-0.00052
	C.0022	C.98	0.96	0.027	1.00098	0.02107	-0.00162
						0.C0000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5A

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 21							
PT 2	120.3	-0.0	-1.10	1.59	-4.0	0.38579	0.41466
	46.8	29.85	1.22	2.31	-0.	0.01	0.00744
	0.1806	3.95	17.48	2.67	602.327	0.53	0.02911
	2064.45	175.5	172.9	-0.37	0.14	-1.0	-0.00221
	0.0023	0.26	0.26	0.302	0.14530	0.00440	-0.01091
						0.00000	0.00000
PT 3	120.7	0.0	-1.10	1.59	-4.0	0.79615	0.86102
	47.1	29.85	1.60	4.24	-0.	0.11	0.03691
	0.1812	9.88	27.92	4.88	798.646	2.61	0.02309
	2064.17	213.4	201.3	-0.38	0.00	-2.5	-0.00483
	0.0023	5.33	5.13	0.075	3.82786	0.00202	-0.00579
						0.00000	0.00000
PT 4	120.9	-0.0	-1.11	1.59	-4.0	1.05057	1.16594
	47.1	29.85	2.09	5.39	-0.	0.21	0.06756
	0.1812	17.73	30.02	6.55	902.403	4.78	0.02700
	2064.17	167.0	204.6	-0.48	-0.02	-3.3	-0.00766
	0.0023	8.08	7.76	0.145	6.54115	0.00701	0.00044
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5B

	VKTS QPSF MTUN PST RHO100	THETA RAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CFP	ALFS.C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL' CN
RUN 20							
PT 2	120.5 47.2 0.1813 2063.35 0.0023	-0.1 29.84 4.00 154.8 0.78	-1.06 1.22 17.52 184.7 0.77	1.58 2.34 2.48 -0.42 0.006	0.0 -0. 587.409 0.20 0.42089	0.54415 0.01 -0.06 0.1 0.00599 0.00000	0.53475 -0.00086 0.02169 0.00119 -0.00334 0.00000
PT 3	120.6 47.1 0.1813 2063.43 0.0023	-0.1 29.84 9.48 207.2 5.01	-1.07 1.60 22.91 198.1 4.83	1.58 4.11 4.68 -0.41 0.068	0.0 -0. 783.011 0.02 3.52701	0.87708 0.12 3.47 -2.8 0.00304 0.00300	1.09831 0.04201 0.01477 -0.00583 0.00422 0.00000
PT 4	120.8 47.2 0.1813 2063.39 0.0023	-0.1 29.84 9.33 211.1 3.57	-1.06 1.60 22.90 201.0 3.46	1.60 5.03 5.78 -0.12 0.058	0.0 -0. 855.996 0.29 2.76321	0.78595 0.10 2.99 -2.4 0.00472 0.00000	0.99069 0.04234 0.01149 -0.00373 0.00666 0.00000
PT 5	120.9 47.2 0.1814 2063.36 0.0023	0.0 29.84 9.58 211.1 4.85	-1.05 1.60 22.87 204.6 4.67	1.61 2.29 2.50 -0.75 0.038	0.0 -0. 599.160 -0.17 2.61008	0.88170 0.08 2.64 -2.2 0.01420 0.00000	0.97065 0.03736 0.03518 -0.00535 0.00576 0.00000
PT 6	121.0 47.1 0.1813 2063.41 0.0023	-0.0 29.84 9.43 209.5 4.83	-1.06 1.60 22.88 204.6 4.66	1.59 2.62 2.78 -0.76 0.042	0.0 -0. 627.831 0.30 2.72748	0.82524 0.08 2.65 -2.3 0.03959 0.00000	0.93572 0.03742 0.04779 -0.01005 0.03182 0.00000

	VKTS QPSF MTUN PST RHO100	THETA PAR PTC TEMPC WC	XTEL APO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDL FF ANGX/L CL*H CMH	CL CD CY CN CL* CM
PT 7	121.1 47.2 0.1815 2063.29 0.0023	-0.1 29.84 9.89 213.1 4.88	-1.06 1.60 22.06 204.6 4.71	1.58 5.52 5.40 0.15 0.096	0.0 -0. 894.388 -0.50 3.91873	0.82372 0.13 3.28 -2.8 -0.04313 0.00000	0.96155 0.04639 -0.03787 0.00622 -0.03379 0.00000
PT	121.1 47.2 0.1815 2063.32 0.0023	-0.1 29.84 13.26 191.2 6.68	-1.08 1.83 26.20 199.4 6.41	1.57 4.66 5.38 -0.48 0.101	0.0 -0. 830.409 -0.03 4.95844	1.04328 0.17 4.84 -3.3 0.00607 0.00000	1.17773 0.06844 0.01061 -0.00952 0.00654 0.00000
PT 9	121.3 47.2 0.1813 2063.39 0.0022	-0.1 29.84 17.93 164.4 9.62	-1.05 2.09 29.97 205.9 9.21	1.59 5.47 6.30 -0.44 0.166	0.0 -0. 889.637 -0.04 7.64056	1.23457 0.26 6.41 -3.9 0.00585 0.00000	1.31765 0.09063 0.01569 -0.00935 0.00599 0.00000
RUN 22 PT 10	120.7 47.1 0.1807 2074.07 0.0023	0.0 29.99 9.58 201.3 4.90	-1.12 1.55 22.33 194.1 4.72	1.59 3.49 4.38 -0.46 0.062	0.0 -0. 757.563 -0.05 3.34174	1.14617 0.11 3.69 -2.9 0.00942 0.00000	1.01638 0.05220 0.01987 -0.00762 0.00559 0.00000
PT 11	120.5 46.8 0.1902 2074.35 0.0023	0.0 29.99 9.53 198.1 5.72	-1.12 1.54 22.18 194.5 5.50	1.59 3.90 4.92 -0.36 0.081	0.0 -0. 796.099 -0.10 4.11675	1.18235 0.13 3.77 -2.9 0.00469 0.00000	1.04285 0.05328 0.00169 -0.00269 -0.00550 0.00000

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	PHO100	WC	WP	CPP	CMU100	CL'H	CL'
						CMH	CM
RUN 23							
PT 2	120.8	-0.2	-1.12	1.59	0.0	0.94566	1.02348
	47.2	29.99	1.60	4.30	-0.	0.12	0.04808
	0.1810	9.48	23.00	4.90	793.895	3.40	0.02200
	2073.92	201.0	193.2	-0.29	0.07	-2.7	-0.00506
	0.0023	5.53	5.31	0.076	3.92655	0.00876	0.00672
						0.00000	0.00000
PT 3	120.7	-0.2	-1.11	1.59	0.0	1.00386	0.99085
	47.1	29.99	1.59	3.41	-0.	0.12	0.04980
	0.1807	9.63	22.87	4.10	737.706	3.52	0.03399
	2074.07	202.0	195.4	-0.49	0.08	-2.9	-0.00633
	0.0023	5.86	5.62	0.070	3.87411	0.01624	0.01383
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5C

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAR	RPO	PT59T	PT59L	CDE	CD
	PTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	PHO100	WC	WP	CPP	CMU100	CL'H	CL'
						CMH	CM
RUN 21							
PT 5	120.8	-0.1	-1.09	1.61	2.0	1.20356	1.10373
	47.0	29.85	1.59	3.98	-0.	0.14	0.05569
	0.1810	9.83	22.74	4.80	793.271	3.54	0.01795
	2064.24	209.5	201.0	-0.38	0.03	-2.9	-0.00495
	0.0023	5.85	5.62	0.081	4.16965	0.00605	0.00617
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4E 5D

	VKTS QPSF MTUN EST RHO100	THETA AAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALES,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 21							
PT 6	120.7	-0.0	-1.09	1.61	4.0	0.82725	0.67561
	47.0	29.85	1.23	2.41	-0.	0.01	0.00953
	C.1809	4.15	17.57	2.83	629.028	0.67	0.00349
	2064.28	204.6	197.1	-0.09	0.17	-0.8	-0.00230
	0.0023	-0.35	-0.35	-0.003	-0.20694	0.00354	0.00493
						0.00000	0.00000
PT 7	120.8	-0.0	-1.11	1.59	4.0	1.23162	1.16938
	46.9	29.85	1.59	3.98	-0.	0.14	0.06655
	0.1808	9.98	22.81	4.70	788.411	4.70	0.01312
	2064.33	209.2	204.6	-0.40	0.08	-3.3	-0.00909
	0.0023	5.60	5.39	0.077	3.98037	0.00893	0.01154
						0.00000	0.00000
PT 8	120.7	-0.0	-1.12	1.60	4.0	1.09332	1.06963
	46.9	29.85	1.62	2.86	-0.	0.12	0.05728
	0.1808	10.08	23.22	3.58	701.430	4.05	0.05143
	2064.38	209.5	204.3	-0.70	0.39	-3.1	-0.01703
	0.0023	5.74	5.52	0.063	3.63162	0.05117	0.04438
						0.00000	0.00000
PT 9	120.9	-0.0	-1.11	1.59	4.0	1.17079	1.15280
	46.9	29.85	1.63	5.42	-0.	0.17	0.07348
	0.1808	10.29	23.33	6.73	911.725	5.20	-0.04567
	2064.33	210.5	204.6	0.09	-0.37	-3.6	0.00711
	0.0023	5.50	5.30	0.101	4.52509	-0.03814	-0.02879
						0.00000	0.00000
PT 10	120.8	-0.0	-1.10	1.60	4.0	1.24724	1.14706
	46.9	29.85	1.59	4.87	-0.	0.16	0.06905
	0.1808	9.78	22.86	5.95	868.201	4.88	0.00526
	2064.38	208.5	204.3	-0.07	0.27	-3.5	-0.00520
	0.0023	5.64	5.42	0.094	4.41619	0.00219	0.00859
						0.00000	0.00000

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	PTUN	PTC	PTP	PTPT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XP	ANGX/L	CM
	RHO100	WC	WP	CPP	CMU100	CL'H	CL'
						CMH	CM
PT 11	121.0	0.0	-1.10	1.59	4.0	1.16179	1.13877
	47.0	29.85	1.62	2.94	-0.	0.13	0.06054
	0.1810	10.08	23.28	3.55	694.380	4.28	0.01223
	2064.26	196.4	194.8	-0.61	-0.26	-3.0	-0.00855
	0.0023	6.15	5.90	0.065	3.83442	0.00696	0.00730
						0.00000	0.00000
PT 12	121.0	-0.0	-1.10	1.59	4.0	1.33156	1.31560
	46.9	29.86	1.82	4.87	-0.	0.21	0.10092
	0.1808	13.30	26.04	5.88	859.432	7.13	0.00920
	2065.04	183.0	197.7	-0.38	0.04	-4.4	-0.00914
	0.0023	6.93	6.66	0.113	5.36079	0.00475	0.01000
						0.00000	0.00000
PT 13	120.9	0.0	-1.11	1.60	4.0	1.43305	1.46677
	46.8	29.86	2.08	5.75	-0.	0.31	0.13273
	0.1805	17.48	29.83	7.10	932.196	9.38	0.00975
	2065.18	159.8	206.2	-0.40	0.05	-5.2	-0.01163
	0.0022	9.11	8.73	0.175	7.64543	0.00339	0.00882
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4F 5E

	VKTS QPSF RTUN PST RHO100	THETA RAE PTC TEMPC WC	XTEL RPO PTP TEMPP UP	XLEL PTSST PTRT XP CPP	ALES,C PT59L VJR XR CMU100	CLH CDE EE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 21							
PT 1	120.4	0.0	-1.11	1.60	6.0	0.69795	0.67508
	46.4	29.86	1.21	1.81	-0.	0.02	0.00952
	0.1757	2.99	17.34	2.30	573.065	0.60	-0.03051
	2065.59	203.6	197.7	-0.05	0.15	-0.7	-0.00209
	0.0022	1.99	1.95	0.015	1.06043	0.03069	0.03318
						0.00000	0.00000
RUN 22							
PT 3	120.8	0.0	-1.10	1.60	6.0	1.16827	1.05533
	47.6	29.99	1.49	4.45	-0.	0.14	0.07374
	0.1818	8.33	21.45	5.06	793.165	5.21	0.01320
	2073.54	182.7	175.5	-0.26	0.23	-3.9	-0.01186
	0.0023	4.51	4.36	0.062	3.19038	0.00887	0.00850
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3A 4C 5F

	VKTS QPSF MTUN PST AMO100	THETA PAP PTC TEMPC WC	XTEL RPD PTP TEMPP WP	XLEL PTSYT PTRT XP CPP	ALFS,C PTSYL VJR XR CMU100	CLM CDE FF ANGX/L CL*M CMM	CL CD CY CN CL* CM
RUN 22							
PT 4	121.0 47.7 0.1821 2073.40 0.0023	-0.0 29.99 9.70 172.9 2.54	-1.09 1.18 17.03 164.1 2.48	1.60 2.32 2.71 -0.22 0.020	8.0 -0. 600.107 0.21 1.36953	0.91361 0.05 1.84 -2.1 0.00597 0.00000	0.71106 0.02607 0.00865 -0.00220 0.00445 0.00000
PT 5	120.8 47.4 0.1814 2073.76 0.0023	0.0 29.99 9.68 194.5 5.71	-1.12 1.55 22.28 186.9 5.50	1.60 4.84 5.60 -0.18 0.087	8.0 -0. 834.760 0.22 4.25566	1.22910 0.19 7.09 -5.1 0.00666 0.00000	1.12845 0.10030 0.01393 -0.01419 0.00473 0.00000
PT 6	120.7 47.3 0.1812 2073.85 0.0023	0.0 29.99 9.59 195.4 5.40	-1.11 1.57 22.64 190.2 5.20	1.60 3.20 3.93 -0.64 0.062	8.0 -0. 721.325 0.43 3.48649	1.13255 0.16 7.17 -5.4 0.05392 0.00000	1.06388 0.10344 0.05668 -0.02037 0.03564 0.00000
PT 7	120.5 47.2 0.1810 2373.95 0.0023	0.0 29.99 9.58 195.4 5.49	-1.11 1.55 22.26 190.5 5.28	1.60 5.50 6.80 0.19 0.099	8.0 -0. 904.419 -0.17 4.44825	1.28467 0.19 6.60 -4.7 -0.03611 0.00000	1.13539 0.09329 -0.03075 -0.00318 -0.03578 0.00000
PT 8	120.2 46.9 0.1804 2074.26 0.0023	0.0 29.99 9.48 197.7 4.33	-1.11 1.55 22.37 191.5 4.19	1.59 5.60 6.90 0.20 0.080	8.0 -0. 910.123 0.50 3.57520	1.16921 0.17 6.11 -4.7 0.01058 0.00000	1.04780 0.08635 -0.00937 -0.01301 0.00739 0.00000

VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL	
QPSF	PAR	RPO	PT59T	PT59L	CDE	CD	
MTUN	PTC	PTP	PTPT	VJR	FE	CY	
PST	TEMPC	TEMPP	XP	XP	ANGX/L	CN	
PMC100	WC	WP	CPP	CMU100	CL*H	CL*	
					CMH	CM	
PT 6							
	120.2	0.1	-1.11	1.60	8.0	1.29021	1.13295
	40.9	29.99	1.53	3.01	-0.	0.16	0.09893
	0.1803	9.63	22.07	3.53	695.166	6.55	0.02652
	2074.28	198.1	191.8	-0.58	-0.21	-5.0	-0.01018
	0.0023	5.42	5.22	0.357	3.37439	0.00365	-0.00120
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3B 4A 5B

	VKTS QPSF RTUN PST RHO100	THETA PAR PTC TEMPC hC	XTEL PPO PTP TEMPP HP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL'H CMH	CL CD CY CN CL' CM
RUN 49							
PT 2	119.8 47.2 0.1806 2081.07 0.0023	0.0 30.09 -0.13 114.0 -0.04	-0.64 0.98 14.21 123.5 -0.04	-0.03 -0.14 -0.37 0.01 -0.001	0.0 0. 1080.522 0.01 -0.03646	0.21388 -0.01 -0.25 1.9 0.00244 0.00000	0.12230 -0.00416 0.01509 0.00239 -0.00217 0.00000
PT 19	120.4 46.5 0.1793 2081.74 0.0023	-0.3 30.09 14.31 164.7 8.07	-0.63 1.76 25.50 191.2 7.75	-0.03 5.49 6.40 -0.30 0.140	0.0 -0. 881.915 -0.08 6.46768	1.41916 0.21 5.06 -3.5 0.00884 0.00000	1.17978 0.07160 0.01764 -0.00974 0.00814 0.00000
PT 20	120.2 46.4 0.1790 2081.86 0.0023	-0.3 30.09 10.68 193.2 6.54	-0.63 1.54 22.31 192.5 6.30	-0.04 4.42 5.20 -0.29 0.097	0.0 -0. 811.566 -0.09 4.84413	1.33948 0.14 3.32 -2.6 0.00763 0.00000	1.03054 0.04698 0.01425 -0.00680 0.00719 0.00000
PT 21	120.3 46.4 0.1791 2081.81 0.0023	-0.3 30.09 5.75 191.8 3.45	-0.64 1.26 18.17 188.6 3.35	-0.04 3.09 3.52 -0.18 0.037	0.0 -0. 686.086 -0.14 2.17428	1.08803 0.05 1.25 -1.4 0.00189 0.00000	0.74598 0.01766 0.00726 -0.00220 -0.00289 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3H 4A 5F

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAP	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJP	FF	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 69							
PT 4	120.2	-0.2	-0.62	-0.03	8.0	1.20796	1.18631
	46.7	30.05	1.81	6.04	-0.	0.29	0.13237
	0.1798	14.06	26.20	7.12	919.590	9.36	-0.01370
	2081.47	166.7	190.5	-0.31	0.21	-6.4	-0.02134
	0.0023	8.29	7.95	0.156	6.87734	-0.00122	0.00345
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3B 4A 5G

	VKTS QPSF MTUN PST RHO100	THETA BAP PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PTSST PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 49							
PT 3	120.3 47.1 0.1805 2081.09 0.0023	-0.1 30.09 5.41 187.9 3.62	-0.62 1.29 18.65 177.1 3.50	-0.03 3.09 3.38 -0.31 0.036	10.0 -0. 667.743 -0.05 2.18116	0.91066 0.12 5.66 -5.8 0.00528 0.00000	0.78769 0.08007 -0.00684 -0.00944 0.00322 0.00000
PT 9	120.2 47.0 0.1803 2081.21 0.0023	-0.1 30.09 5.58 187.7 6.39	-0.61 1.57 22.67 181.5 6.14	-0.01 3.98 4.68 -0.52 0.085	10.0 -0. 776.274 0.09 4.45469	1.05380 0.21 9.03 -7.5 0.00698 0.00000	0.96663 0.12772 -0.01472 -0.01844 0.00390 0.00000
PT 10	120.0 46.6 0.1795 2081.59 0.0023	-0.2 30.09 13.96 181.1 8.45	-0.62 1.30 26.03 188.2 8.10	-0.03 4.84 5.70 -0.53 0.133	10.0 -0. 840.021 0.14 6.41624	1.21825 0.29 11.09 -7.9 0.00218 0.00000	1.12825 0.15685 0.00048 -0.02239 -0.00710 0.00000
PT 11	120.1 46.6 0.1795 2081.59 0.0023	-0.2 30.09 14.31 156.2 8.36	-0.61 1.82 26.34 187.6 8.02	-0.03 6.85 8.12 -0.05 0.173	10.0 -0. 964.854 0.40 7.29129	1.17579 0.32 10.55 -7.6 -0.00070 0.00000	1.12218 0.14927 -0.00862 -0.02288 -0.00423 0.00000
PT 12	119.8 46.3 0.1790 2081.88 0.0023	-0.1 30.09 14.86 154.2 7.99	-0.62 1.88 27.23 187.3 7.67	-0.03 7.02 7.40 -0.81 0.060	10.0 -0. 577.518 -0.31 4.20147	1.19967 0.22 11.56 -8.4 0.00536 0.00000	1.10471 0.16345 0.00709 -0.01818 -0.00498 0.00000

	VKTS QPSF PTUN PST RHO100	THETA RAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDF FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
PT 13	119.8 +6.3 0.1790 2081.88 0.0023	-0.1 30.09 14.25 157.8 8.22	-0.62 1.85 26.70 137.3 7.88	-0.03 2.44 2.82 -0.89 0.071	10.0 -0. 621.535 0.33 4.64721	1.15606 0.22 10.39 -7.9 0.04708 0.00000	1.05740 0.14497 0.06416 -0.02923 0.03257 0.00000
PT 14	119.8 +6.3 0.1789 2081.90 0.0023	-0.2 30.05 15.01 157.2 8.15	-0.63 1.89 27.31 138.6 7.82	-0.04 2.34 2.87 0.07 0.183	10.0 -0. 597.908 -0.32 7.41045	1.20127 0.36 12.48 -8.9 -0.04172 0.00000	1.12831 0.17653 -0.08880 -0.00719 -0.03879 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2D 3H 4G 5H

	VKTS QPSF MTUN PST RM0100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 49							
PT 5	120.1	-0.1	-0.62	-0.02	12.0	0.54470	0.75636
	46.5	30.09	1.33	1.63	-0.	0.14	0.11420
	0.1801	6.01	19.21	1.85	513.149	8.07	-0.02670
	2081.33	197.4	187.6	-0.70	-0.41	-8.6	-0.01404
	0.0023	4.14	4.00	0.024	1.92326	0.00313	0.00330
						0.00000	0.00000
PT 6	119.9	-0.1	-0.61	-0.02	12.0	1.13993	0.94258
	46.7	30.09	1.57	2.99	-0.	0.23	0.16389
	0.1797	10.13	22.75	3.32	672.048	11.59	-0.00535
	2081.50	198.4	194.5	-0.69	-0.04	-9.5	-0.02304
	0.0023	6.34	6.09	0.064	3.85289	0.00726	0.00041
						0.00000	0.00000
PT 15	119.8	-0.1	-0.62	-0.03	12.0	1.31193	1.13866
	46.3	30.09	1.79	4.73	-0.	0.33	0.20410
	0.1788	13.65	25.92	5.30	814.198	14.43	-0.00992
	2081.95	156.5	186.6	-0.50	0.01	-10.2	-0.02764
	0.0023	8.25	7.91	0.123	6.11530	0.00305	-0.00580
						0.00000	0.00000
PT 16	119.8	-0.2	-0.62	-0.03	12.0	1.13227	1.02709
	46.3	30.09	1.87	7.81	-0.	0.35	0.18301
	0.1788	14.56	27.10	9.55	1024.379	12.94	-0.11773
	2081.55	172.9	187.6	0.35	-0.67	-10.1	-0.00466
	0.0023	7.05	6.78	0.167	6.59781	-0.07810	-0.07293
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2F 3A 4A 5H

	VKTS CPSF MTUN PST RHO100	THETA FAR PTC TEMPC MC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FF ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 49							
PT 7	120.4	4.5	-0.61	-0.01	12.0	0.98876	0.78037
	47.0	30.09	1.29	1.89	-0.	0.13	0.09878
	0.1802	5.41	18.69	2.30	567.861	6.58	-0.01640
	2081.26	196.4	189.2	-0.64	-0.17	-7.2	-0.00533
	0.0023	3.75	3.63	0.027	1.92800	0.00265	0.00413
						0.00000	0.00000
PT 8	120.0	4.5	-0.61	-0.02	12.0	1.12738	0.97501
	46.7	30.09	1.58	3.43	-0.	0.27	0.15027
	0.1797	10.18	22.77	4.00	728.294	10.62	-0.01746
	2081.50	198.7	194.8	-0.60	0.02	-8.8	-0.00735
	0.0023	6.06	5.83	0.072	3.99281	0.00256	0.00586
						0.00000	0.00000
PT 17	119.5	4.5	-0.62	-0.04	12.0	1.36961	1.10354
	45.9	30.09	1.77	3.82	-0.	0.30	0.18601
	0.1781	14.70	25.66	4.37	751.914	13.15	0.00663
	2082.31	155.2	197.6	-0.67	0.05	-9.6	-0.01059
	0.0023	8.55	8.22	0.110	5.91520	0.00605	0.00038
						0.00000	0.00000
PT 18	119.7	4.5	-0.62	-0.04	12.0	1.34848	1.10302
	46.0	30.09	2.00	9.04	-0.	0.40	0.20098
	0.1784	17.62	28.92	11.24	1088.220	14.21	-0.10151
	2082.19	144.4	190.2	0.34	-0.65	-10.3	0.01937
	0.0023	7.43	7.16	0.201	7.44403	-0.08217	-0.06864
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1B 2B 3C 4C 5C

		VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP QPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FF ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN	39							
PT	3	180.3 98.0 0.2646 2030.21 0.0021	-4.0 30.09 4.25 168.0 3.83	1.34 1.28 18.08 163.1 3.69	1.62 2.79 3.18 0.07 0.011	2.0 -0. 650.214 -0.63 1.07479	0.49498 0.01 -0.21 0.4 0.00553 0.00000	0.44660 -0.00303 0.01426 -0.00165 0.00414 0.00000
PT	4	180.2 97.9 0.2644 2030.32 0.0021	-4.0 30.09 4.65 170.6 3.28	1.33 1.31 18.53 164.7 3.17	1.61 3.03 3.35 0.02 0.010	2.0 -0. 666.433 -0.60 0.94809	0.49741 0.01 0.03 -0.1 0.01114 0.00000	0.47255 0.00044 0.01641 -0.00124 0.00755 0.00000
PT	5	180.1 97.7 0.2641 2030.53 0.0021	-4.0 30.09 4.70 171.6 4.02	1.35 1.31 18.50 166.3 3.87	1.63 2.95 3.38 0.02 0.013	2.0 -0. 669.316 -0.62 1.16623	0.52623 0.01 -0.22 0.4 0.00969 0.00000	0.48394 -0.00312 0.01449 -0.00181 0.00424 0.00000
PT	6	180.4 97.5 0.2638 2030.74 0.0021	-4.0 30.09 9.78 133.7 6.56	1.34 1.61 22.77 182.4 6.29	1.63 4.75 5.43 -0.10 0.032	2.0 -0. 828.032 -0.48 2.34756	0.73543 0.05 1.34 -1.6 -0.00144 0.00000	0.70143 0.01899 0.00778 -0.00477 -0.00361 0.00000
PT	7	180.3 97.3 0.2636 2030.91 0.0021	-4.0 30.09 9.63 133.3 6.86	1.34 1.59 22.43 182.4 6.57	1.63 4.83 5.78 -0.01 0.035	2.0 -0. 849.163 -0.35 2.52075	0.71888 0.06 1.41 -1.6 0.00429 0.00000	0.69262 0.01992 0.00309 -0.00644 -0.00092 0.00000

	VKTS QPSF PTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR X? CMU100	CLH CDF FE ANGX/L CL*H CMH	CL CD CY CM CL* CN
PT 9	180.3 97.2 0.2634 2031.02 0.0021	-4.0 30.09 10.18 131.4 6.63	1.35 1.64 23.07 180.7 6.36	1.63 4.64 5.33 -0.18 0.032	2.0 -0. 820.560 -0.41 2.35947	0.74407 0.06 1.73 -2.0 0.00605 0.00000	0.70159 0.02446 0.01208 -0.00596 0.00407 0.00000
PT 9	180.5 97.2 0.2634 2031.00 0.0021	-4.0 30.09 10.13 175.2 6.84	1.35 1.62 22.86 185.3 6.56	1.63 4.51 5.25 -0.15 0.033	2.0 -0. 818.738 -0.43 2.42717	0.75059 0.05 1.53 -1.8 0.00555 0.00000	0.69340 0.02160 0.01597 -0.00546 0.00330 0.00000
PT 10	180.6 97.1 0.2633 2031.09 0.0021	-4.0 30.09 4.70 169.9 2.80	1.34 1.31 18.48 169.0 2.72	1.63 1.51 1.92 -0.43 0.005	2.0 -0. 520.780 -0.55 0.64101	0.50762 0.00 -0.37 0.7 0.00742 0.00000	0.42477 -0.00526 0.02197 -0.00759 0.00380 0.00000
PT 11	180.3 96.7 0.2627 2030.80 0.0021	-4.0 30.08 5.15 170.9 4.15	1.33 1.32 18.59 167.7 3.99	1.63 1.53 1.90 -0.46 0.008	2.0 -0. 516.785 -0.50 0.93803	0.49990 0.00 -0.40 0.7 0.00817 0.00000	0.43808 -0.00560 0.01915 -0.00839 0.00386 0.00000
PT 12	180.3 96.6 0.2626 2030.87 0.0021	-4.0 30.08 5.10 170.9 4.14	1.34 1.31 18.50 167.7 3.99	1.63 1.53 1.85 -0.47 0.008	2.0 -0. 510.375 -0.50 0.92581	0.49988 0.00 -0.24 0.7 0.00935 0.00000	0.42824 -0.00344 0.02236 -0.00857 0.00750 0.00000

	VKTS QPSF PTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PTSYT PTRT XP CPP	ALFS,C PTSSL VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
PT 13	180.4 96.6 0.2626 2030.87 0.0021	-4.0 30.08 10.03 176.2 7.09	1.36 1.60 22.59 184.0 6.79	1.64 2.18 2.60 -0.55 0.019	2.0 -0. 603.921 -0.08 1.86627	0.60035 0.03 0.85 -1.3 -0.00156 0.00000	0.53362 0.01207 0.00302 -0.01366 -0.00487 0.00000
PT 14	180.3 96.5 0.2625 2030.97 0.0021	-4.0 30.08 9.88 173.9 7.02	1.35 1.60 22.58 184.7 6.72	1.63 2.86 3.37 -0.47 0.023	2.0 -0. 678.267 0.02 2.07631	0.58856 0.03 0.66 -1.0 -0.00082 0.00000	0.54083 0.00936 -0.00054 -0.01578 -0.00301 0.00000
PT 15	180.5 96.5 0.2625 2030.97 0.0021	-4.0 30.08 9.72 187.3 7.02	1.36 1.61 22.64 186.6 6.72	1.61 2.89 3.42 -0.38 0.023	2.0 -0. 683.672 -0.07 2.09262	0.59196 0.04 0.93 -1.4 -0.00492 0.00000	0.54083 0.01317 0.00330 -0.01311 -0.00631 0.00000
PT 16	180.1 96.1 0.2619 2031.36 0.0021	-4.0 30.08 4.89 173.2 2.82	1.35 1.32 18.66 168.3 2.74	1.62 0.46 0.82 -0.03 0.002	2.0 -0. 347.247 -0.76 0.43495	0.35483 0.00 0.18 -0.4 0.01591 0.00000	0.35892 0.00251 -0.00397 -0.00036 0.01137 0.00000
PT 17	180.3 96.3 0.2622 2031.18 0.0021	-4.0 30.08 4.89 174.5 3.11	1.35 1.33 18.69 167.3 3.01	1.63 2.37 2.62 -0.01 0.008	2.0 -0. 598.361 -0.74 0.82281	0.36360 0.01 -0.10 0.2 0.01276 0.00000	0.33084 -0.00143 -0.07938 -0.00067 0.00883 0.00000

	VKTS QPSF MTUN PST RHO100	THETA PAP PTC TEMPC WC	XTEL QPO PTP TEMPP WP	XLEL PT9T PTRT XP QPP	ALES,C PT9L VJR XP CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
PT 19	180.8 96.7 0.2627 2030.83 0.0021	-4.0 30.08 4.80 177.1 3.78	1.35 1.31 18.54 173.2 3.64	1.62 2.35 3.20 0.00 0.012	2.0 -0. 656.817 -0.74 1.08769	0.52317 0.01 -0.46 0.8 -0.00109 0.00000	0.47040 -0.00654 0.00861 -0.01809 -0.00483 0.00000
PT 19	180.8 96.7 0.2627 2040.80 0.0021	-4.0 30.08 4.80 176.8 3.78	1.35 1.30 18.35 172.6 3.65	1.62 2.47 2.82 0.00 0.010	2.0 -0. 621.251 -0.73 1.02947	0.50694 0.00 -0.43 0.7 0.00323 0.00000	0.46254 -0.00604 0.01183 -0.00804 -0.00381 0.00000
PT 20	180.6 96.3 0.2622 2031.18 0.0021	-4.0 30.08 9.72 182.4 7.14	1.35 1.60 22.63 186.0 6.84	1.63 4.01 4.42 -0.18 0.030	2.0 -0. 762.549 -0.32 2.37883	0.68046 0.05 1.18 -1.5 0.00066 0.00000	0.63182 0.01663 -0.00043 -0.01687 -0.00331 0.00000
PT 21	180.4 96.1 0.2619 2031.36 0.0021	-4.0 30.08 10.33 186.9 7.39	1.35 1.61 22.73 188.6 7.08	1.62 4.11 4.57 -0.12 0.032	2.0 -0. 774.748 -0.35 2.50807	0.66920 0.05 1.42 -1.8 -0.00336 0.00000	0.67666 0.02002 -0.00255 -0.01492 -0.00545 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2C 3C 4D 5A

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 23							
PT 24	187.9	-3.1	1.36	1.59	0.0	0.40761	0.34870
	106.2	29.97	1.23	2.36	-0.	-0.02	-0.02321
	0.2757	3.66	17.22	2.71	621.879	-1.64	-0.02309
	2013.52	198.7	191.5	0.19	-0.41	3.8	-0.00097
	0.0021	2.83	2.74	0.007	0.70571	0.00704	0.02170
						0.00000	0.00009
PT 25	188.2	-3.2	1.36	1.60	0.0	0.56740	0.52517
	106.4	29.97	1.50	4.52	-0.	0.01	-0.01370
	0.2770	8.03	20.96	5.06	820.005	-0.76	-0.03094
	2013.29	208.8	202.0	0.24	0.06	1.2	-0.00460
	0.0021	5.77	5.53	0.024	1.87369	0.00230	0.02114
						0.00000	0.00000
PT 26	188.3	-3.1	1.37	1.61	0.0	0.58279	0.52278
	106.4	29.97	1.47	2.93	-0.	0.01	-0.01240
	0.2770	7.79	20.51	3.39	691.753	-0.88	-0.00585
	2013.33	209.8	202.3	-0.41	0.11	1.4	-0.00448
	0.0021	6.07	5.82	0.018	1.66285	0.02317	0.03793
						0.00000	0.00000
PT 27	188.3	-3.2	1.35	1.60	0.0	0.58064	0.54659
	106.2	29.97	1.59	4.59	-0.	0.02	-0.00702
	0.2767	9.14	22.24	6.06	884.128	-0.50	-0.05094
	2013.54	209.2	205.2	0.23	-0.60	0.7	-0.00292
	0.0021	5.45	5.23	0.027	1.91457	-0.01655	0.00557
						0.00000	0.00000
PT 28	188.3	-3.1	1.36	1.60	0.0	0.58784	0.52489
	106.3	29.97	1.49	4.21	-0.	0.01	-0.01179
	0.2768	8.03	20.87	5.14	826.698	-0.83	-0.02600
	2013.47	209.8	204.9	0.15	0.01	1.3	-0.00452
	0.0021	6.01	5.76	0.026	1.96903	0.00429	0.02018
						0.00000	0.00000

		VKTS	THETA	XTFL	XLEL	ALFS,C	CLH	CL
		QPSF	PAR	RPO	PT59T	PT59L	CDE	CD
		MTUN	PTC	PTP	PTRT	VJP	FE	CY
		PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
		PHOIOO	WC	WP	CPP	CMUIJO	CL*H	CL*
							CMH	CM
PT	24	188.4	-3.1	1.35	1.60	0.0	0.59294	0.54033
		106.1	29.57	1.53	3.48	-0.	0.01	-0.00964
		0.2766	8.43	21.38	4.16	757.092	-0.61	-0.01848
		2013.61	208.2	204.9	-0.23	-0.51	0.9	-0.00458
		0.0021	6.07	5.82	0.022	1.82460	0.00380	0.01679
							0.00000	0.00000
PT	37	189.4	-3.1	1.36	1.60	0.0	0.51148	0.47868
		106.7	29.58	1.51	2.57	-0.	-0.01	-0.02273
		0.2773	7.58	21.06	3.14	671.053	-1.61	-0.02218
		2013.74	211.5	206.2	-0.58	-0.25	2.7	-0.00950
		0.0021	5.80	5.56	0.016	1.53600	0.00471	0.02164
							0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2C 3C 4C 5C

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAP	RPO	PT59T	PT59L	CDE	CD
	PTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 23							
PT 30	188.5	-3.1	1.36	1.60	2.0	0.65462	0.58605
	106.3	29.57	1.48	3.66	-0.	0.01	-0.01109
	0.2768	7.88	20.64	4.19	758.365	-0.78	-0.03429
	2013.47	210.8	203.6	-0.18	-0.17	1.1	-0.00585
	0.0021	5.94	5.70	0.021	1.78691	0.00401	0.02537
						0.00000	0.00000

DATA IN THE FOLLOWING ORDER OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CURVES -
1 2 3 4 5

		VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
		QPSF	PAR	PPC	PTSST	PTSSL	CDF	CD
		MFUN	PTC	PTP	PTPT	VJP	FF	CY
		PST	TEMPC	TEMPP	XP	XW	ANGX/L	CN
		RHO100	WC	WP	CPP	CMU100	CL*H	CL*
							CMH	CM
RUN	23							
PT	31	189.5	-3.1	1.36	1.60	4.0	0.53053	0.44936
		107.4	29.97	1.26	2.47	-0.	-0.01	-0.02300
		0.2783	7.07	17.66	2.87	640.642	-1.63	-0.03720
		2017.30	202.3	197.1	0.00	-0.51	2.9	-0.00163
		0.0021	5.69	5.56	0.009	0.93281	0.00407	0.02480
							0.00000	0.01000
PT	32	189.4	-3.1	1.37	1.60	4.0	0.67443	0.56366
		106.9	29.98	1.48	3.90	-0.	0.02	0.00182
		0.2776	7.58	20.75	4.29	762.516	0.13	-0.03221
		2013.53	206.6	197.1	-0.18	-0.04	-0.2	-0.00626
		0.0021	5.58	5.33	0.020	1.67259	0.00456	0.02572
							0.00000	0.00000
PT	33	189.6	-3.1	1.37	1.60	4.0	0.63993	0.53670
		106.9	29.98	1.47	2.88	-0.	0.01	-0.00223
		0.2777	7.58	20.53	3.34	697.589	-0.16	-0.02016
		2013.51	209.2	202.3	-0.52	0.25	0.2	-0.00709
		0.0021	5.80	5.56	0.017	1.57205	0.02530	0.04421
							0.00000	0.00000
PT	34	189.7	-3.1	1.37	1.61	4.0	0.70495	0.57428
		107.0	29.98	1.54	4.32	-0.	0.02	-0.00287
		0.2778	8.44	21.48	4.92	811.739	-0.20	-0.05119
		2013.44	210.8	204.6	0.05	-0.49	0.3	-0.00439
		0.0021	5.60	5.37	0.023	1.79091	-0.01587	0.00708
							0.00000	0.00000
PT	35	189.5	-3.1	1.37	1.60	4.0	0.66855	0.62037
		106.9	29.98	1.47	4.03	-0.	0.02	-0.00296
		0.2775	7.63	20.61	4.69	796.013	-0.21	-0.04010
		2013.60	211.1	204.6	0.04	0.17	0.3	-0.00487
		0.0021	5.75	5.51	0.022	1.80527	0.00621	0.02718
							0.00000	0.00000

	VKTS QPSF PTUN PST RHO100	THETA PAR PTC TEMPC HC	XTEL PPC PTP TEMPP HP	XLEL PTSST PTRT XP CPP	ALFS,C PT59L VJP XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
PT 46	195.5 106.8 0.2775 2013.60 0.0021	-3.0 29.98 8.14 210.1 5.97	1.36 1.51 21.08 205.2 5.68	1.61 2.60 3.22 -0.52 0.017	4.0 -0. 677.649 -0.45 1.58340	0.66872 0.01 -0.46 0.6 0.00557 0.00000	0.62765 -0.00654 -0.02378 -0.00652 0.02371 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
10 20 30 40 50

	VKTS QPSF PTUN PST RHO100	THETA PAR PTC TEMPC HC	XTEL PPC PTP TEMPP HP	XLEL PTSST PTRT XP CPP	ALFS,C PT59L VJP XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 23 PT 10	196.7 106.8 0.2774 2014.35 0.0027	-0.1 29.99 3.61 190.2 3.11	-1.10 1.24 17.33 184.7 3.01	1.59 1.97 2.47 -0.32 0.007	-4.0 -0. 592.651 0.07 0.73314	0.26080 -0.01 -1.50 5.2 0.00428 0.00000	0.23169 -0.02125 -0.01951 -0.00063 0.01776 0.00000
PT 11	197.1 106.8 0.2775 2014.33 0.0021	-0.1 29.99 9.75 202.6 5.82	-1.11 1.62 22.64 194.8 5.59	1.59 3.95 4.47 -0.34 0.022	-4.0 -0. 773.924 -0.12 1.77949	0.54404 0.01 -0.92 1.5 0.00471 0.00000	0.51037 -0.01299 -0.01453 0.00021 0.01554 0.00000

		VKTS QPSF MTUN PST RHO100	THETA BAP PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
PT	A	186.6 107.3 0.2781 2013.84 0.0022	-0.1 29.99 9.55 196.7 5.67	-1.11 1.61 22.47 195.4 5.44	1.60 4.27 5.10 -0.21 0.024	0.0 -0. 817.900 0.04 1.82358	0.72062 0.01 -0.62 0.8 0.00456 0.00000	0.66078 -0.00880 -0.02450 0.00257 0.02656 0.00000
PT	C	187.0 107.3 0.2781 2013.89 0.0022	-0.1 29.99 9.60 201.3 5.14	-1.12 1.63 22.83 195.8 4.94	1.59 3.54 4.09 -0.41 0.018	0.0 -0. 746.652 -0.40 1.51279	0.68316 0.01 -0.53 0.7 0.00210 0.00000	0.64989 -0.00745 -0.03560 0.00012 0.02340 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2D 3A 4C 5B

	VKTS GPSF PTUN PST RHOICO	THETA BAR PTC TEMPC MC	XTEL RPD PTP TEMPP MP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 17							
PT 2	169.1	-0.5	-1.09	1.58	0.0	0.17615	0.13888
	110.7	30.09	0.99	-0.46	0.	-0.01	-0.01771
	0.2823	-0.39	13.90	-0.41	1106.540	-1.25	-0.01175
	2017.50	152.0	152.0	0.07	-0.03	7.3	0.00268
	0.0022	0.49	0.49	0.004	0.21336	0.00873	0.00626
						0.00000	0.00000
RUN 23							
PT 4	186.0	-0.0	-1.09	1.60	0.0	0.40624	0.36016
	107.3	29.99	1.24	2.21	-0.	-0.02	-0.02627
	0.2782	3.51	17.33	2.60	603.352	-1.86	-0.02894
	2013.82	185.6	178.1	-0.22	0.09	4.2	0.00043
	0.0022	3.16	3.05	0.007	0.75434	0.00455	0.07358
						0.00000	0.00000
PT 5	185.9	-0.1	-1.10	1.60	0.0	0.72427	0.66645
	106.7	29.99	1.61	3.98	-0.	0.01	-0.00845
	0.2775	9.65	22.58	4.54	778.008	-0.60	-0.03374
	2014.23	195.4	192.5	-0.32	-0.17	0.7	-0.00003
	0.0022	5.63	5.41	0.021	1.73087	0.00290	0.02551
						0.00000	0.00000
PT 6	185.9	-0.1	-1.10	1.60	0.0	0.69069	0.64535
	106.7	29.99	1.62	2.75	-0.	0.00	-0.01541
	0.2772	9.64	22.70	3.15	669.251	-1.09	-0.00894
	2014.49	196.4	193.8	-0.62	0.15	1.4	-0.00716
	0.0022	5.62	5.40	0.016	1.49002	0.02496	0.04000
						0.00000	0.00000
PT 7	186.7	-0.1	-1.11	1.60	0.0	0.71264	0.66276
	107.3	29.99	1.64	4.92	-0.	0.02	-0.00774
	0.2781	9.90	22.88	6.00	873.203	-0.55	-0.05405
	2013.84	200.7	194.8	0.00	-0.45	0.7	0.00178
	0.0022	5.39	5.18	0.026	1.85349	-0.01555	0.03696
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2C 3A 4D 5C

	VKTS QPSF MTUN PST RHO100	THETA PAR PTC TEMPC MC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 23 PT 12	187.3 106.8 0.2775 2014.33 0.0021	-0.1 29.99 5.85 203.6 5.94	-1.10 1.61 22.57 197.1 5.70	1.60 4.16 4.67 -0.30 0.023	2.0 -0. 789.606 -0.08 1.85369	0.79613 0.02 -0.49 0.5 0.00460 0.00000	0.74004 -0.00692 -0.03342 0.00231 0.02656 0.00000

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2C 3A 4C 5C

	VKTS QPSF MTUN PST RHO100	THETA PAR PTC TEMPC MC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 23 PT 13	187.4 106.8 0.2774 2014.38 0.0021	-0.0 29.99 3.86 193.2 2.95	-1.09 1.24 17.40 186.3 2.86	1.60 2.23 2.59 -0.18 0.007	4.0 -0. 606.722 0.14 0.71431	0.51481 -0.02 -1.79 3.3 0.00459 0.00000	0.44335 -0.02537 -0.03083 0.00297 0.02738 0.00000
PT 14	187.4 106.4 0.2769 2014.73 0.0021	0.0 29.99 9.34 203.6 4.88	-1.10 1.61 22.51 198.7 4.70	1.59 4.73 5.34 -0.17 0.021	4.0 -0. 835.635 0.07 1.62244	0.85750 0.02 -0.28 0.3 0.00256 0.00000	0.77616 -0.00402 -0.03755 0.00223 0.02702 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
IC 2D 3A 4C 5E

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	EAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 23							
PT 15	187.5	-0.1	-1.10	1.60	6.0	0.87134	0.78424
	106.4	29.99	1.61	4.86	-0.	0.02	-0.00012
	0.2768	9.39	22.56	5.54	850.084	-0.01	-0.03299
	2014.77	208.5	201.7	-0.14	0.15	0.0	0.00501
	0.0021	5.36	5.16	0.024	1.81105	0.00556	0.02687
						0.00000	0.00000
PT 16	187.8	-0.0	-1.11	1.59	6.0	0.83465	0.75852
	106.1	29.98	1.62	4.44	-0.	0.03	0.00398
	0.2765	9.84	22.68	4.96	814.170	0.28	-0.01008
	2014.32	208.5	203.9	-0.28	0.36	-0.3	0.00152
	0.0021	5.54	5.33	0.023	1.79653	0.02585	0.04249
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2D 3A 4D 5F

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPD	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 23							
PT 16	187.8	-0.1	-1.10	1.60	8.0	0.65592	0.52936
	106.5	29.99	1.26	0.66	-0.	-0.01	-0.00837
	0.2770	4.06	17.62	1.09	406.540	-0.59	-0.01594
	2014.68	196.4	188.9	-0.76	-0.37	0.9	0.00893
	0.0021	2.78	2.70	0.003	0.45294	0.00223	0.01814
						0.00000	0.00000
PT 17	187.9	-0.1	-1.10	1.60	8.0	0.68710	0.78551
	106.4	29.98	1.62	5.18	-0.	0.04	0.01000
	0.2770	9.59	22.61	5.31	867.017	0.71	-0.02725
	2014.02	207.2	201.7	0.01	0.22	-0.7	0.00725
	0.0021	5.52	5.30	0.026	1.89924	0.00171	0.01963
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2C 3C 4D 5B

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 23 PT 20	187.1 106.8 0.2775 2012.96 0.0021	-0.1 29.97 3.91 197.7 3.69	1.36 1.24 17.38 150.9 3.56	1.60 2.12 2.54 -0.15 0.008	0.0 -0. 603.755 0.19 0.88441	0.42151 -0.02 -1.86 4.2 0.00430 0.00000	0.35446 -0.02627 -0.02055 0.00238 0.01814 0.00000
PT 21	187.2 106.5 0.2772 2013.19 0.0021	-0.1 29.97 7.98 203.3 6.21	1.36 1.48 20.75 158.4 5.95	1.61 3.14 3.64 -0.38 0.020	0.0 -0. 711.427 -0.01 1.74718	0.61637 0.00 -1.19 1.7 0.00245 0.00000	0.55320 -0.01687 -0.02133 -0.00216 0.01684 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2D 3C 4C 5D

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 23 PT 22	187.2 106.3 0.2769 2013.40 0.0021	-0.0 29.97 3.76 198.4 3.36	1.36 1.23 17.25 191.5 4.24	1.61 1.83 2.19 -0.36 0.007	4.0 -0. 564.455 -0.05 0.75683	0.53260 -0.02 -1.65 3.0 0.00431 0.00000	0.43607 -0.02338 -0.02763 0.00153 0.02415 0.00000
PT 23	188.2 106.7 0.2773 2013.08 0.0021	-0.2 29.97 7.58 203.3 6.22	1.36 1.48 20.68 195.8 5.96	1.60 3.98 4.39 -0.20 0.023	4.0 -0. 769.130 0.20 1.89085	0.67523 0.01 -0.73 0.9 0.00412 0.00000	0.63494 -0.01027 -0.04059 -0.00374 0.02644 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1) 2A 3A 4C 5D

	VKTS QPSF MTUN PST PHOIJO	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 17 PT	190.3 110.5 0.2821 2017.69 0.0021	-4.9 30.05 -0.34 152.0 0.50	-1.09 0.99 13.92 152.0 0.49	1.58 -0.46 -0.36 0.08 0.004	4.0 0. 1106.540 -0.03 0.21514	0.35882 -0.02 -1.70 4.8 0.01673 0.00000	0.26583 -0.02411 -0.00046 0.00460 0.03475 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2A 3C 4D 5D

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL EPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
RUN 17							
PT 21	193.1	-4.7	1.37	1.56	4.0	0.39321	0.26912
	109.9	30.03	0.98	-0.54	0.	-0.03	-0.02549
	0.2816	-0.34	13.66	-0.39	1106.540	-1.80	0.00130
	2014.05	152.3	152.0	0.04	-0.03	5.4	0.00460
	0.0021	-0.84	-0.83	-0.006	-0.36704	0.02404	0.02851
						0.00000	0.00000
PT 22	192.8	-4.7	1.37	1.56	4.0	0.40728	0.27034
	109.5	30.03	0.97	-0.54	0.	-0.01	-0.02290
	0.2810	-0.35	13.62	-0.36	1106.540	-1.62	-0.00812
	2014.49	152.0	152.0	0.04	-0.03	4.8	0.00240
	0.0021	1.25	1.23	0.009	0.54569	0.02802	0.03981
						0.00000	0.00000
PT 23	193.0	-4.7	1.37	1.57	4.0	0.41507	0.26719
	109.5	30.03	0.97	-0.57	0.	-0.00	-0.01417
	0.2809	-0.35	13.61	-0.41	1106.540	-1.00	-0.01317
	2014.51	152.3	152.0	0.04	-0.03	3.0	0.00213
	0.0021	1.25	1.23	0.009	0.54580	0.04284	0.04509
						0.00000	0.00000
PT 24	192.9	-4.7	1.37	1.56	4.0	0.37560	0.25653
	109.2	30.03	0.98	-0.57	0.	-0.00	-0.00818
	0.2805	-0.40	13.66	-0.42	1106.540	-0.58	-0.00814
	2014.79	152.0	152.0	0.04	-0.04	1.8	0.00408
	0.0021	0.93	0.92	0.007	0.40796	0.04063	0.04756
						0.00000	0.00000
PT 25	193.2	-4.7	1.37	1.56	4.0	0.39619	0.27946
	109.1	30.03	0.98	-0.57	0.	-0.02	-0.00794
	0.2804	-0.50	13.69	-0.39	1106.540	-0.56	-0.01033
	2014.86	152.0	152.0	0.04	-0.03	1.6	0.00664
	0.0021	-1.80	-1.79	-0.014	-0.79784	0.02735	0.03778
						0.00000	0.00000

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL'H	CL'
						CMH	CM
PT 26	193.5	-4.7	1.37	1.56	4.0	0.41747	0.30190
	109.5	30.03	0.98	-0.57	0.	-0.00	-0.00928
	0.2810	-0.25	13.68	-0.41	1106.540	-0.66	-0.00579
	2014.47	152.0	152.0	0.04	-0.04	1.8	0.00453
	0.0020	1.26	1.23	0.009	0.54857	0.02259	0.03563
						0.00000	0.00000
PT 27	193.9	-4.7	1.36	1.56	4.0	0.35787	0.28869
	109.4	30.03	0.97	-0.57	0.	-0.02	-0.00923
	0.2809	-0.55	13.61	-0.39	1106.540	-0.65	-0.00733
	2014.56	152.0	152.0	0.05	-0.03	1.8	0.00396
	0.0020	-1.81	-1.80	-0.014	-0.79925	0.02572	0.03509
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
10 28 38 48 58

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL'H	CL'
						CMH	CM
RUN 16							
PT 1	193.7	-3.8	-1.09	0.81	0.0	0.16279	0.12433
	109.9	30.07	0.99	-0.54	0.	-0.01	-0.01850
	0.2813	-0.29	13.89	-0.29	1106.540	-1.31	0.00992
	2016.92	152.3	152.0	0.05	-0.01	8.5	0.00487
	0.0021	0.94	0.92	0.007	0.40819	0.00693	0.02565
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2A 3A 4C 5D

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 17							
PT 4	190.5	-3.8	-1.09	1.59	4.0	0.35893	0.28693
	110.9	30.09	0.99	-0.46	0.	-0.02	-0.02704
	0.2926	-0.34	13.91	-0.35	1106.540	-1.91	-0.00545
	2017.29	152.0	152.0	0.07	-0.03	5.4	0.00420
	0.0021	0.93	0.92	0.007	0.40305	0.01685	0.02708
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2B 3C 4D 5B

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTFL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL'H CMH	CL CD CY CN CL' CM
RUN 17							
PT 13	190.9	-3.8	1.37	1.54	0.0	0.22112	0.13432
	110.6	30.04	0.98	-0.48	0.	-0.02	-0.01990
	0.2827	-0.39	13.69	-0.43	1106.540	-1.41	0.00462
	2013.92	152.3	152.0	0.02	-0.02	8.4	0.00422
	0.0021	0.49	0.49	0.004	0.21327	0.00854	0.01720
						0.00000	0.00000
PT 14	191.2	-3.8	1.36	1.55	0.0	0.22810	0.13245
	110.7	30.04	0.98	-0.51	0.	-0.02	-0.02085
	0.2826	-0.44	13.67	-0.43	1106.540	-1.47	-0.01544
	2013.94	152.0	152.0	0.02	-0.02	8.9	-0.00014
	0.0021	-0.09	-0.09	-0.001	-0.04120	0.01032	0.02966
						0.00000	0.00000
PT 15	191.0	-3.8	1.37	1.55	0.0	0.23867	0.12550
	110.0	30.04	0.98	-0.52	0.	-0.02	-0.01732
	0.2815	-0.49	13.67	-0.46	1106.540	-1.22	-0.02839
	2014.73	152.3	152.0	0.03	-0.02	7.9	-0.00315
	0.0021	-0.10	-0.10	-0.001	-0.04324	0.02648	0.03256
						0.00000	0.00000
PT 16	191.4	-3.7	1.37	1.56	0.0	0.20699	0.12228
	110.0	30.03	0.98	-0.54	0.	-0.00	-0.00729
	0.2816	-0.35	13.67	-0.44	1106.540	-0.52	-0.02081
	2014.02	152.0	152.0	0.03	-0.02	3.4	0.00131
	0.0021	0.49	0.49	0.004	0.21484	0.02766	0.03419
						0.00000	0.00000
PT 17	191.7	-3.7	1.37	1.56	0.0	0.21685	0.12078
	109.7	30.03	0.98	-0.54	0.	-0.00	-0.00512
	0.2812	-0.40	13.71	-0.44	1106.540	-0.36	-0.00804
	2014.28	152.0	152.0	0.03	-0.02	2.4	0.00480
	0.0021	0.49	0.49	0.004	0.21533	0.01959	0.02585
						0.00000	0.00000

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CN CL* CM
PT 18	192.1 110.0 0.2817 2013.98 0.0021	-3.7 30.03 -0.39 152.C C.93	1.36 0.98 13.70 152.0 0.92	1.55 -0.54 -0.39 0.03 0.007	0.0 0. 1106.540 -0.02 0.40493	0.24501 0.00 -0.14 0.7 0.01651 0.CC000	0.14985 -0.00192 -0.00587 0.00277 0.07358 0.00000
PT 19	192.1 109.8 0.2814 2014.14 0.0021	-3.8 30.03 -C.44 152.0 -1.80	1.37 0.98 13.70 152.0 -1.78	1.56 -0.57 -0.41 0.03 -0.013	0.0 0. 1106.540 -0.03 -0.78909	0.23276 -0.02 -0.20 1.1 0.01982 0.00000	0.15338 -0.00290 -0.00026 0.00315 0.02677 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2B 3C 4C 5D

	VKTS QPSF MTUN PST RHO100	THETA BAR PTC TEMPC WC	XTEL RPO PTP TEMPP WP	XLEL PT59T PTRT XP CPP	ALFS,C PT59L VJR XR CMU100	CLH CDE FE ANGX/L CL*H CMH	CL CD CY CM CL* CM
RUN 17 PT 20	152.5 110.3 0.2821 2013.68 0.0021	-3.8 30.03 -0.34 152.0 0.93	1.37 0.98 13.68 152.0 0.92	1.55 -0.54 -0.36 0.03 0.007	4.0 0. 1106.540 -0.03 0.40521	0.36510 -0.02 -1.83 5.3 0.01745 0.00000	0.27835 -0.02592 -0.00386 0.00307 0.02755 0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2C 3A 4P 5R

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAR	RPD	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 1(							
PT 1R	193.7	-3.0	-1.09	0.88	0.0	0.16480	0.12787
	110.1	30.07	0.99	-0.33	0.	-0.01	-0.01810
	0.2815	-0.29	13.87	-0.29	1106.540	-1.28	0.00431
	2016.74	152.0	152.0	0.05	-0.00	9.1	0.00462
	0.0021	0.54	0.92	0.007	0.40751	0.00743	0.01971
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2D 3A 4E 5R

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	PAR	RPD	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 11	200.2	0.4	-1.09	0.88	0.0	0.14756	0.14976
	120.1	30.08	0.99	-0.52	0.	-0.03	-0.02599
	0.2550	-0.42	13.81	-0.37	1106.540	-1.84	-0.02437
	2007.42	152.0	152.0	0.05	-0.00	9.8	0.00169
	0.0021	-0.10	-0.10	-0.001	-0.03958	0.00806	0.01130
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2D 3A 4C 5A

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPD	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 12	199.6	0.4	-1.09	1.02	-4.0	-0.03502	-0.02141
	118.9	30.08	0.99	-0.53	0.	-0.03	-0.01609
	0.2934	-0.48	13.76	-0.37	1106.540	-1.14	-0.01506
	2008.62	152.0	152.0	0.05	-0.00	143.1	0.00290
	0.0021	-1.81	-1.80	-0.012	-0.73515	-0.00098	0.00321
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2D 3A 4C 5C

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPD	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 13	200.3	0.4	-1.10	1.16	2.0	0.23466	0.22975
	119.0	30.08	0.99	-0.53	0.	-0.02	-0.02550
	0.2936	-0.38	13.83	-0.35	1106.540	-2.09	-0.02750
	2008.48	152.3	152.0	0.05	-0.00	7.3	0.00053
	0.0021	0.93	0.91	0.006	0.37306	0.01269	0.01162
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2D 3A 4C 5D

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJP	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 14	200.6	0.4	-1.09	1.25	4.0	0.33476	0.28725
	119.0	30.08	0.99	-0.53	0.	-0.03	-0.02700
	0.2935	-0.38	13.78	-0.32	1106.540	-1.91	-0.02046
	2008.53	152.0	152.0	0.05	-0.00	5.4	0.00359
	0.0021	-0.09	-0.09	-0.001	-0.03834	0.01645	0.01201
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2D 3A 4C 5E

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	BAP	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FE	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	RHO100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 15	200.9	0.4	-1.09	1.23	6.0	0.43267	0.34293
	118.9	30.07	0.99	-0.53	0.	-0.01	-0.02186
	0.2935	-0.33	13.77	-0.35	1106.540	-1.55	-0.01150
	2007.89	152.0	152.0	0.05	-0.01	3.6	0.00529
	0.0021	1.25	1.23	0.008	0.50122	0.02051	0.00722
						0.00000	0.00000

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2D 3A 4C 5F

	VKTS	THETA	XTEL	XLEL	ALFS,C	CLH	CL
	QPSF	HAR	RPO	PT59T	PT59L	CDE	CD
	MTUN	PTC	PTP	PTRT	VJR	FF	CY
	PST	TEMPC	TEMPP	XP	XR	ANGX/L	CN
	PHI100	WC	WP	CPP	CMU100	CL*H	CL*
						CMH	CM
RUN 16							
PT 16	200.1	0.4	-1.09	1.23	7.0	0.46785	0.39963
	117.5	30.07	0.99	-0.51	0.	-0.03	-0.02027
	0.2917	-0.35	13.77	-0.31	1106.540	-1.43	-0.00967
	2009.21	152.0	152.0	0.05	-0.01	3.0	0.00652
	0.0021	-0.85	-0.84	-0.006	-0.34752	0.02208	0.01079
						0.00000	0.00000

APPENDIX B

ROTARY WING MODE STEADY STATE DATA

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2J 3H 4E 5A 6D 7C

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA RAR PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T FE CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXR/S CMZ/S CTH CPR100 CQ/S	CYE/S CMX/S CH CL*CH CQQ/S
RUN 67										
PT 4	60.0	397.5	3.0	-0.01	-1.39	1.34	-2.0	0.068246	0.002680	-0.002534
	12.1	0.1945	30.09	698.744	1.33	3.91	2.88	0.004773	0.004194	0.000326
	0.0907	0.4662	5.47	19.64	0.51	-0.	2.2	0.0683	0.07357	-0.00030
	2116.08	60.0	169.6	163.4	-0.34	3.69	-10.02	0.00400	0.6139	0.00312
	0.0024	520.4	3.23	3.14	0.15000	0.5132	0.006139	0.002886	0.004190	0.001334
			0.000	0.123						
PT 5	59.8	397.4	3.0	0.00	-1.39	1.35	-2.0	0.070813	0.003361	-0.003247
	12.1	0.1941	30.09	721.198	1.33	4.21	2.95	0.000712	0.004507	0.000332
	0.0905	0.4661	5.87	19.89	0.34	-0.	2.7	0.0709	0.07705	-0.00029
	2116.13	60.0	169.6	163.4	-0.80	3.92	-12.61	-0.00091	0.6458	0.00036
	0.0024	520.2	3.46	3.35	0.16560	0.5311	0.006458	0.002798	0.004492	0.001980
			0.000	0.137						
PT 6	59.9	397.4	3.0	-0.01	-1.39	1.35	-2.0	0.068499	0.003351	-0.002837
	12.1	0.1943	30.09	723.227	1.33	4.23	2.91	0.001375	0.004457	0.001371
	0.0906	0.4661	5.97	19.86	0.52	-0.	2.8	0.0686	0.07341	-0.00026
	2116.10	60.0	169.3	163.7	-0.93	3.89	-12.55	0.00016	0.6576	0.00139
	0.0024	520.2	4.08	3.94	0.19511	0.5220	0.006576	0.002829	0.004406	0.002015
			0.000	0.160						
PT 7	59.7	397.5	3.0	-0.01	-1.40	1.33	-2.0	0.074220	0.001837	-0.004593
	12.0	0.1937	30.09	691.091	1.33	3.81	2.98	0.003874	0.003867	-0.003736
	0.0903	0.4661	5.92	19.53	-0.16	-0.	1.4	0.0742	0.09113	0.00076
	2116.18	60.0	169.9	163.7	-0.67	3.55	-6.92	0.00046	0.6459	-0.00441
	0.0024	520.3	4.24	4.09	0.19345	0.5175	0.006459	0.002771	0.003997	0.001593
			0.000	0.157						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2J 3H 4E 5A 6E 7C

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 47										
PT 3	60.1	397.2	3.0	-0.01	-1.39	1.48	-2.0	0.083367	0.004051	-0.004456
	12.2	0.1952	30.09	805.170	1.34	5.46	2.81	0.001287	0.000685	0.000556
	C.0909	0.4658	8.03	21.82	0.36	-0.	2.8	0.0935	0.06932	-0.00119
	2116.31	60.0	170.9	165.0	-0.68	4.99	-15.18	0.00049	0.8253	0.00046
	0.0024	519.9	4.04	3.91	0.21573	0.6583	0.008253	0.003220	0.005660	0.002298
			0.000	0.207						

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4E 5A 6A 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 24										
PT 4	60.5	402.2	-2.8	0.08	-1.39	1.00	0.0	-0.010190	-0.000940	0.000751
	12.2	C.1938	30.11	85.964	1.32	0.06	-0.86	0.001250	0.001937	0.001712
	C.0907	0.4681	-0.07	14.73	-0.02	0.	-174.7	-0.0102	-0.00796	0.00094
	2117.47	68.0	71.5	73.2	0.04	0.66	3.54	0.00113	0.2122	0.00211
	0.0023	526.5	2.07	2.01	0.01175	0.2113	0.002122	0.002256	0.001937	0.002081
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4E 5A 6E 7J

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLR/S	CYP/S	CYP/S
	QPSF	V/QP	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CQP/S
			CPCR100	CPPR100						
RUN 25										
PT 5	60.2	403.5	-2.9	0.09	-1.03	1.44	4.0	0.063290	-0.005554	-0.004532
	12.0	0.1925	30.13	769.412	1.28	4.88	3.01	-0.000321	0.001996	-0.002926
	0.0900	0.4678	7.63	21.17	-0.65	-0.	-5.0	0.0635	0.06860	0.00113
	2119.05	72.0	171.2	166.7	-0.49	4.76	21.20	-0.00139	0.4842	-0.00437
	0.0023	528.2	5.10	4.91	0.25652	0.2974	0.004842	0.002545	0.001787	0.001358
			0.000	0.235						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4E 5A 6F 7E

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLR/S	CYP/S	CYP/S
	QPSF	V/QR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CQP/S
			CPCR100	CPPR100						
RUN 24										
PT 12	59.8	403.5	-2.8	0.06	-1.40	1.58	0.0	0.062470	0.000654	-0.003956
	11.5	0.1910	30.11	862.160	1.29	6.03	2.86	-0.002408	0.003603	0.001224
	0.0896	0.4691	7.79	23.28	-0.27	-0.	0.6	0.0625	0.06328	-0.00065
	2117.76	70.0	205.5	201.3	-0.82	5.38	-2.53	-0.00315	0.6807	0.00119
	0.0023	529.7	5.50	5.29	0.30821	0.4293	0.006807	0.002697	0.003603	0.002037
			0.000	0.330						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4E 5P 6E 7J

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPP100 CD/S	CYP/S CMX/S CM CL*PH CQD/S
RUN 25										
PT 3	60.3	404.4	-2.9	0.08	-0.80	1.42	4.0	0.063298	-0.004236	-0.003241
	12.0	0.1922	30.13	776.358	1.28	4.86	3.12	0.000830	0.002198	0.001955
	0.0902	0.4693	7.23	20.90	-0.18	-0.	-3.8	0.0634	0.06629	-0.00019
	2119.00	71.0	191.8	180.7	-0.70	4.68	16.21	0.00006	0.4714	0.00092
	0.0023	529.4	4.41	4.25	0.22257	0.3082	0.004714	0.002396	0.002329	0.001443
			0.000	0.199						
PT 4	60.2	405.1	-2.9	0.08	-0.96	1.42	4.0	0.059777	-0.003348	-0.001746
	12.0	0.1917	30.13	759.673	1.28	4.66	2.96	0.002618	0.002329	0.005259
	0.0901	0.4701	7.13	20.90	0.26	-0.	-3.3	0.0589	0.06211	-0.00076
	2119.03	71.0	177.8	175.5	-0.67	4.60	12.87	0.002286	0.4823	0.00510
	0.0023	530.2	4.72	4.55	0.23214	0.3160	0.004823	0.002505	0.002690	0.002034
			0.000	0.210						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6A 7A

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPP100 CD/S	CYP/S CMX/S CM CL*PH CQD/S
RUN 24										
PT 5	60.0	403.0	-2.8	0.27	-1.39	1.00	-4.0	-0.019442	-0.002288	0.000232
	12.0	0.1919	30.11	64.209	1.32	0.03	-1.54	0.000172	0.002013	0.002280
	0.0900	0.4690	0.03	14.69	-0.03	0.	-173.3	-0.0196	-0.01758	0.00033
	2117.66	68.0	72.5	73.8	0.04	0.66	8.79	-0.00032	0.1981	0.00280
	0.0023	527.5	2.07	2.02	0.00878	0.1975	0.001981	0.002272	0.001849	0.002147
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6A 7J

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXP/S	CYR/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*PH
	PHC100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CDD/S
			CPCR100	CPPR100						
RUN 24										
PT 6	60.3	404.2	-2.8	0.22	-1.39	1.00	4.0	-0.002126	-0.000898	0.000148
	12.1	0.1925	30.11	85.768	1.32	0.06	-0.19	0.002504	0.001727	0.001614
	0.0905	0.4704	-0.07	14.70	-0.03	0.	-157.1	-0.0021	0.00179	0.00104
	2117.52	68.0	72.2	73.8	0.05	0.66	3.43	0.00267	0.2018	0.00173
	0.0023	529.1	1.41	1.38	0.00798	0.2012	0.002018	0.002183	0.001830	0.002001
			0.000	0.000						

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6C 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXP/S	CYR/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*PH
	PHC100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CDD/S
			CPCR100	CPPR100						
RUN 25										
PT 7	59.9	404.5	-2.7	0.29	-1.40	1.22	0.0	0.028561	-0.000394	-0.001736
	11.9	0.1909	30.11	610.659	1.30	2.78	2.21	0.000671	0.001727	0.000879
	0.0898	0.4703	3.75	17.94	-0.43	-0.	-0.8	0.0290	0.02635	0.00038
	2117.71	69.0	193.5	182.4	-0.56	2.88	1.49	0.00958	0.3205	0.00084
	0.0023	529.5	3.38	3.26	0.13379	0.2434	0.003205	0.002151	0.001727	0.001484
			0.000	0.088						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6E 7J

	VKTS QPSF MTUN PST RHO100	FPM V/OR TIPM TEMP GMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPP/S	CXP/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PH COP/S
RUN 25 PT 6	60.2 12.0 0.0900 2119.08 0.0023	403.1 0.1925 0.4674 72.0 527.6	-2.9 30.13 6.97 182.0 5.67 0.000	0.11 734.103 20.72 177.1 5.44 0.250	-1.03 1.28 -0.16 -0.46 0.27140	1.41 4.28 -0. 4.29 0.3054	4.0 3.09 -4.2 17.61 0.004942	0.063304 0.004334 0.0635 0.00387 0.002443	-0.004615 0.002145 0.06935 0.4042 0.002253	-0.003164 0.001612 0.00019 0.00055 0.001647

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6E 7C

	VKTS QPSF MTUN PST RHO100	FPM V/OR TIPM TEMP GMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPP/S	CXP/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PH COP/S
RUN 24 PT 15	58.8 11.9 0.0894 2117.76 0.0023	404.0 0.1910 0.4692 70.0 528.8	-2.8 30.11 9.59 203.9 6.11 0.000	0.16 845.002 22.98 199.7 5.86 0.355	-1.40 1.28 -0.25 -0.63 0.33449	1.56 5.76 -0. 5.22 0.4574	-2.0 2.79 2.0 -8.11 0.007246	0.060924 0.003736 0.0610 0.00002 0.002774	0.002092 0.003729 0.0628R 0.7246 0.003693	-0.003659 0.000983 0.00004 0.00055 0.001854

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6F 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPP TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCF100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	FPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CRQ/S	CXR/S CMZ/S CTH CPR100 CQ/S	CYR/S CMX/S CH CLRRH CQQ/S
RUN 24 PT 8	59.8 11.9 0.0895 2117.78 0.0023	404.7 0.1904 0.4701 70.0 529.8	-2.8 30.11 9.59 203.9 5.75 0.000	0.17 856.539 23.15 199.4 5.52 0.338	-1.40 1.29 -0.19 -0.70 0.31812	1.57 5.96 -0. 5.43 0.4384	0.0 2.83 0.3 -1.48 0.006956	0.064043 -0.000504 0.0640 -0.00138 0.007761	0.000379 0.003674 0.06270 0.6956 0.003674	-0.003755 0.001909 -0.00039 0.00129 0.002051
PT 9	59.8 11.9 0.0896 2117.76 0.0023	404.0 0.1910 0.4693 70.0 526.8	-2.8 30.11 9.94 205.9 5.79 0.000	0.19 864.601 23.29 200.7 5.56 0.347	-1.40 1.30 0.19 -0.77 0.32467	1.58 6.08 -0. 5.46 0.4399	0.0 2.76 1.2 -4.98 0.007054	0.060044 0.000666 0.0600 0.00013 0.002795	0.001283 0.003982 0.05967 0.7054 0.003982	-0.001834 0.005617 -0.00128 0.00550 0.002377
PT 10	59.4 11.7 0.0390 2117.93 0.0023	403.4 0.1898 0.4686 70.0 526.1	-2.8 30.11 9.89 205.9 5.72 0.000	0.29 860.199 23.36 200.7 5.50 0.346	-1.40 1.30 -0.61 -0.46 0.31992	1.59 6.01 -0. 5.33 0.4320	0.0 2.65 -1.1 4.86 0.006925	0.053601 -0.000544 0.0636 -0.00126 0.003020	-0.001239 0.003073 0.06110 0.6975 0.003073	-0.004987 -0.003217 0.00124 -0.00357 0.001774
PT 11	59.6 11.8 0.0893 2117.83 0.0023	402.2 0.1912 0.4672 70.0 526.4	-2.8 30.11 9.64 207.2 5.99 0.000	0.11 832.375 22.93 201.3 5.76 0.353	-1.40 1.29 -0.15 -0.51 0.32622	1.56 5.53 -0. 5.01 0.4334	0.0 2.85 -0.1 0.56 0.006913	0.065085 0.003945 0.0651 0.00376 0.002766	-0.000145 0.003429 0.06687 0.6913 0.003429	-0.003359 0.001191 0.00015 0.00131 0.001362
RUN 25 PT 6	60.2 12.0 0.0900 2119.05 0.0023	404.0 0.1523 0.4684 72.0 528.8	-2.9 30.13 9.29 182.7 5.11 0.000	0.14 834.472 23.02 179.1 4.92 0.290	-1.36 1.28 -0.17 -0.65 0.27795	1.56 5.81 -0. 5.49 0.4460	0.0 2.87 0.2 -1.08 0.006653	0.065778 0.000673 0.0558 0.00018 0.002785	0.000282 0.003616 0.07322 0.6653 0.003616	-0.003858 0.001397 -0.00028 0.00068 0.001541

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6F 7G

	VKTS OPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGY/L FF CP/S	CLP/S CMY/S CT CMRH CPD/S	CXP/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COD/S
RUN 2A										
PT 10	59.3	400.3	-2.7	0.29	-1.40	1.57	2.0	0.069139	-0.002010	-0.003883
	11.7	0.1883	30.11	850.345	1.28	5.91	2.98	0.000142	0.003293	0.002007
	0.0899	0.4720	9.49	23.02	-0.20	-0.	-1.7	0.0697	0.07200	-0.00047
	2117.95	70.0	200.0	194.5	-0.71	5.35	8.01	-0.00083	0.6421	0.00170
	0.0023	531.9	5.56	5.35	0.30335	0.3996	0.006421	0.002546	0.003361	0.001911
			0.000	0.317						

	VKTS OPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGY/L FF CP/S	CLP/S CMY/S CT CMRH CPD/S	CXP/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COD/S
PT 10	60.1	402.1	-2.9	0.16	-1.42	1.56	0.0	0.066304	0.000035	-0.003923
	11.9	0.1926	30.11	840.659	1.27	5.91	2.82	0.000523	0.003592	0.000939
	0.0898	0.4662	9.54	22.99	-0.23	-0.	0.0	0.0660	0.07151	-0.00001
	2117.71	72.0	182.0	179.4	-0.64	5.46	-0.02	0.00099	0.7046	-0.00038
	0.0023	526.3	5.77	5.54	0.31364	0.4502	0.007046	0.002872	0.003562	0.001962
			0.000	0.331						
PT 11	60.3	404.5	-2.9	0.12	-1.41	1.56	0.0	0.065858	0.000123	-0.003791
	11.9	0.1913	30.11	832.360	1.28	5.76	2.85	0.000818	0.003511	0.001719
	0.0897	0.4691	9.74	22.92	-0.20	-0.	0.1	0.0659	0.07328	-0.00012
	2117.74	72.0	182.7	180.1	-0.65	5.46	-0.48	0.00035	0.6964	0.00047
	0.0023	529.6	5.92	5.69	0.31991	0.4450	0.006964	0.002793	0.003511	0.001854
			0.000	0.332						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5A 6F 7J

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLF/S	CXB/S	CYB/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*BH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CQC/S
			CPCR100	CPPR100						
RUN 24										
PT 19	59.3	404.0	-2.7	0.29	-1.40	1.57	4.0	0.073616	-0.004645	-0.004902
	11.9	0.1909	30.11	869.616	1.29	6.23	3.03	-0.000303	0.002876	0.002191
	0.0865	0.4685	9.59	23.05	-0.18	-0.	-3.6	0.0738	0.07706	-0.00050
	2117.78	71.0	201.7	195.4	-0.76	5.46	18.03	-0.00057	0.6243	0.03108
	0.0023	528.9	5.36	5.16	0.30357	0.3747	0.006243	0.007590	0.003027	0.001865
			0.000	0.313						
PT 20	60.3	404.2	-2.6	0.29	-1.41	1.57	4.0	0.071137	-0.003495	-0.002010
	12.0	0.1922	30.11	860.258	1.28	6.06	3.06	0.001374	0.003162	0.005610
	0.0902	0.4691	9.89	23.13	0.18	-0.	-2.8	0.0712	0.07485	-0.00168
	2117.61	71.0	201.7	196.1	-0.76	5.56	13.37	0.00106	0.6347	0.00578
	0.0023	529.1	5.60	5.35	0.31340	0.3799	0.006347	0.007575	0.003546	0.002322
			0.000	0.329						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5B 6E 7J

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*BH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CQC/S
			CPCR100	CPPR100						
RUN 25										
PT 7	60.3	402.8	-2.9	0.13	-0.97	1.44	4.0	0.061961	-0.004115	-0.003297
	12.0	0.1930	30.13	770.624	1.28	4.81	3.08	-0.002016	0.002208	0.001725
	0.0901	0.4670	7.28	21.18	-0.25	-0.	-3.8	0.0621	0.06680	-0.00022
	2119.03	72.0	183.0	176.8	-0.82	4.76	15.62	-0.00171	0.4729	0.00067
	0.0023	527.3	4.43	4.27	0.22401	0.3092	0.004729	0.002454	0.002322	0.001684
			0.000	0.209						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4F 5B 6F 7E

	VKTS QPSF MTUN PST RHC100	RPM V/DR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXF/S CMZ/S CTH CPP100 CO/S	CYR/S CMX/S CH CL*PH COO/S
RUN 25 PT 9	60.8 12.2 0.0910 2118.81 0.0023	401.0 0.1956 0.4649 72.0 524.9	-2.9 30.13 9.59 182.4 5.44 0.000	0.12 843.046 23.05 178.8 5.23 0.317	-0.90 1.28 -0.18 -0.67 0.30312	1.57 5.96 -0. 5.94 0.4514	0.0 2.95 0.3 -1.12 0.006948	0.067168 0.000238 0.0672 0.00075 0.002794	0.000302 0.003631 0.07146 0.6948 0.003631	-0.003831 0.001749 -0.00030 0.00090 0.001511

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3C 4G 5A 6C 7J

	VKTS QPSF PTUN PST RHC100	RPM V/DR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXF/S CMZ/S CTH CPP100 CO/S	CYR/S CMX/S CH CL*PH COO/S
RUN 24 PT 17	59.8 11.9 0.0895 2117.78 0.0023	404.9 0.1903 0.4704 70.0 530.1	-2.7 30.11 3.85 188.2 3.12 0.000	0.32 611.375 17.88 184.0 3.02 0.080	-1.41 1.28 -0.36 -0.70 0.12402	1.22 2.78 -0. 2.74 0.2121	4.0 2.71 -4.3 11.03 0.002836	0.037811 0.000178 0.0379 0.00042 0.002118	-0.002825 0.001360 0.04366 0.2836 0.001444	-0.001989 0.001535 0.00018 0.00057 0.001441

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3F 4C 5A 6E 7A

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*FF
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CO/S	CDD/S
			CPCR100	CPPR100						
RUN 44										
PT 10	60.3	403.1	0.0	-0.12	-1.39	1.49	-4.0	0.069537	0.005266	-0.003457
	11.8	0.1928	29.87	547.545	1.31	2.23	5.64	0.000707	0.004978	0.000538
	0.0896	0.4648	7.73	21.73	0.06	-0.	4.3	0.0697	0.05975	-0.00040
	2100.88	78.0	167.7	166.0	-0.58	4.81	-20.03	-0.00044	0.4306	0.00039
	0.0023	527.7	4.81	4.63	0.17595	0.3393	0.004306	0.000572	0.004928	0.002106
			0.000	0.246						
PT 11	60.3	402.9	0.0	-0.13	-1.39	1.48	-4.0	0.069134	0.005154	-0.003361
	11.8	0.1931	29.87	536.648	1.31	2.13	4.65	0.001821	0.004977	0.000451
	0.0898	0.4650	7.48	21.60	0.07	-0.	4.3	0.0693	0.06175	-0.00037
	2100.83	77.0	169.3	167.0	-0.52	4.65	-19.54	0.00099	0.4721	0.00018
	0.0023	527.4	4.70	4.53	0.16839	0.3864	0.004721	0.001086	0.004934	0.002156
			0.000	0.238						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3F 4F 5A 6A 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*FF
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CO/S	CDD/S
			CPCR100	CPPR100						
RUN 24										
PT 3	60.3	404.3	0.0	0.27	-1.39	1.00	0.0	0.014875	-0.000837	-0.000729
	12.1	0.1922	30.11	64.955	1.32	0.03	1.27	0.003824	0.001723	-0.000799
	0.0904	0.4705	-0.07	14.66	-0.03	-0.	-3.2	0.0149	0.01839	0.00084
	2117.54	68.0	72.5	72.9	0.04	0.68	3.21	0.00410	0.2095	-0.00196
	0.0023	529.2	-0.79	-0.78	-0.00341	0.2057	0.002095	0.002175	0.001723	0.001801
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3F 4F 5A 6C 7E

	VKTS QPSF MTUN PST RHO100	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPO/S	CXP/S CMZ/S CTH CPP100 CO/S	CYP/S CMX/S CH CL*PH CDO/S
RUN 24										
PT 14	60.0	400.7	0.3	0.27	-1.40	1.22	0.0	0.053240	0.000292	-0.002015
	11.9	0.1929	30.11	619.914	1.28	2.83	3.04	0.000905	0.002669	0.000474
	0.0898	0.4655	4.06	17.92	0.12	-0.	0.3	0.0502	0.05558	-0.00029
	2117.71	70.0	194.1	191.5	-0.86	2.75	-1.11	0.01047	0.4027	0.00041
	0.0023	524.5	3.21	3.11	0.13212	0.3246	0.004027	0.002249	0.002669	0.001671
			0.000	0.087						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3F 4F 5A 6F 7E

	VKTS QPSF MTUN PST RHO100	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPO/S	CXP/S CMZ/S CTH CPP100 CO/S	CYP/S CMX/S CH CL*PH CDO/S
RUN 24										
PT 14	60.2	403.2	0.3	0.29	-1.40	1.57	0.0	0.082703	0.001014	-0.004119
	12.0	0.1925	30.11	861.390	1.28	6.03	2.90	0.000731	0.004969	0.001433
	0.0902	0.4684	9.34	23.02	0.15	-0.	0.7	0.0427	0.08561	-0.00101
	2117.61	70.0	204.6	200.0	-0.71	5.33	-3.97	-0.00023	0.0022	0.00111
	0.0023	527.8	5.10	4.91	0.28678	0.5682	0.008022	0.002978	0.004969	0.002215
			0.000	0.301						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3G 4C 5A 6E 7C

		VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP CMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CPD/S	CXR/S CM7/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COD/S
RUN 46											
PT	4	60.1	404.0	1.3	-0.12	-1.38	1.41	-2.0	0.069193	0.003056	-0.003182
		11.7	0.1918	29.87	712.853	1.30	4.06	3.13	0.000887	0.004403	0.001248
		0.0894	0.4663	6.37	20.51	0.25	-0.	2.5	0.0693	0.06736	-0.00064
		2100.93	77.0	166.7	164.7	-0.64	4.34	-11.75	-0.00006	0.5953	0.00087
		0.0023	528.9	3.50	3.39	0.16645	0.4832	0.005953	0.002448	0.004357	0.001973
				0.000	0.154						
PT	5	60.5	403.3	1.3	-0.12	-1.38	1.41	-2.0	0.070457	0.003034	-0.003340
		11.9	0.1933	29.87	745.532	1.31	4.51	3.04	0.000855	0.004431	0.000757
		0.0900	0.4654	6.57	20.61	0.25	-0.	2.5	0.0705	0.07068	-0.00057
		2100.79	77.0	169.0	164.7	-0.64	4.31	-11.48	-0.00008	0.6598	0.00053
		0.0023	527.9	4.38	4.22	0.21751	0.5062	0.006598	0.002626	0.004402	0.001966
				0.000	0.195						
PT	6	60.2	402.9	1.3	-0.12	-1.39	1.41	-2.0	0.070596	0.002787	-0.003339
		11.8	0.1927	29.87	674.057	1.30	3.56	3.79	0.002590	0.004414	0.000646
		0.0896	0.4649	6.27	20.58	0.22	-0.	2.3	0.0707	0.06767	-0.00032
		2100.88	77.0	168.6	165.7	-0.51	4.23	-10.61	0.00167	0.5416	-0.00013
		0.0023	527.4	4.49	4.32	0.20196	0.4125	0.005416	0.001726	0.004385	0.001949
				0.000	0.200						
PT	7	60.0	404.0	1.3	-0.12	-1.39	1.41	-2.0	0.070329	0.002875	-0.003431
		11.7	0.1914	29.87	711.492	1.30	4.03	2.98	0.001342	0.004445	0.000921
		0.0892	0.4662	6.42	20.57	0.20	-0.	2.3	0.0704	0.06722	-0.00042
		2100.98	77.0	167.7	165.7	-0.60	4.20	-11.10	0.00097	0.6428	0.00012
		0.0023	528.8	4.28	4.12	0.20215	0.5068	0.006429	0.002657	0.004410	0.001939
				0.000	0.189						
PT	8	60.0	403.5	1.3	-0.12	-1.38	1.41	-2.0	0.070685	0.003133	-0.003497
		11.7	0.1916	29.87	628.313	1.31	3.03	4.31	0.003931	0.004457	0.000947
		0.0893	0.4661	6.77	20.64	0.22	-0.	2.5	0.0708	0.06617	-0.00066
		2100.96	77.0	168.3	165.7	-0.59	4.34	-12.06	-0.00005	0.4834	0.00034
		0.0023	528.7	4.40	4.24	0.18359	0.3743	0.004834	0.001265	0.004421	0.001943
				0.000	0.196						

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CPO/S	CXR/S CM7/S CTH CPP100 CO/S	CYR/S CMX/S CH CL*RH COO/S
PT	60.2 11.8 0.0895 2100.91 0.0023	402.8 0.1928 0.4644 76.0 527.2	1.3 29.87 6.52 167.0 4.45 0.000	-0.12 499.559 20.53 165.0 4.28 0.197	-1.39 1.30 0.15 -0.61 0.14868	1.41 1.83 -0. 4.31 0.3678	-2.0 4.40 2.4 -11.35 0.004382	0.070876 0.000630 0.3709 0.00007 0.001226	0.002982 0.004448 0.06708 0.4382 0.004412	-0.003520 0.000950 -0.00051 0.00011 0.001961

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1A 2K 3H 4C 5A 6D 7C

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CPO/S	CXR/S CM7/S CTH CPP100 CO/S	CYR/S CMX/S CH CL*RH COO/S
RUN 46 PT 3	60.1 11.7 0.0894 2100.93 0.0023	403.7 0.1919 0.4659 77.0 528.5	2.9 29.87 5.66 166.3 4.28 0.000	-0.13 549.148 19.58 163.4 4.12 0.162	-1.38 1.30 0.32 -0.63 0.15621	1.34 2.26 -0. 3.89 0.3886	-2.0 3.89 2.5 -11.15 0.004697	0.067415 0. 0.0675 0.00011 0.001623	0.002905 0.004280 0.06530 0.4657 0.004251	-0.002943 0.000749 -0.00055 0.00031 0.001988

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1B 2K 3C 4F 5B 6A 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPP100 CD/S	CYR/S CMX/S CH CL*SH CQD/S
RUN 25 PT 12	90.2 26.7 0.1350 2102.32 0.0023	401.8 0.2835 0.4463 72.0 526.0	-2.8 30.11 -0.17 86.9 -0.79 0.000	0.19 1058.814 14.31 100.3 -0.78 0.000	-0.78 1.29 -0.30 -0.64 -0.05721	0.98 -0.06 -0. 0.45 0.2189	0.0 -1.64 -174.8 2.22 0.001613	-0.014592 0.000552 -0.0146 0.00160 0.002517	-0.001315 0.002243 0.00219 0.1613 0.002243	0.001343 0.003476 0.00137 0.00366 0.002571

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1B 2K 3C 4F 5C 6C 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPP100 CD/S	CYR/S CMX/S CH CL*SH CQD/S
RUN 25 PT 13	90.6 26.9 0.1354 2102.76 0.0023	404.6 0.2887 0.4692 73.0 529.7	-2.8 30.11 3.76 184.0 3.12 0.000	0.16 590.245 17.69 176.8 3.02 0.079	-0.47 1.28 -0.30 -0.37 0.12133	1.21 2.59 -0. 2.80 0.2408	0.0 3.47 -0.9 0.80 0.003084	0.030608 0.000124 0.0306 0.00038 0.002310	-0.000469 0.001566 0.04316 0.3084 0.001566	-0.001625 0.001324 0.00047 0.00384 0.001668

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1B 2K 3C 4F 5C 6D 7J

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CD/S	CDD/S
			CPCP100	CPPP100						
RUN 25										
PT 15	90.4	403.6	-2.8	0.22	-0.03	1.22	4.0	0.041697	-0.003101	-0.002359
	26.8	0.2987	30.11	598.910	1.28	2.64	4.49	-0.000234	0.001239	0.001568
	0.1351	0.4680	4.21	17.81	-0.06	-0.	-4.3	0.0418	0.05400	0.00318
	2102.88	73.0	199.9	194.7	-0.62	2.80	5.26	0.00035	0.2691	0.00057
	0.0023	528.4	4.04	3.89	0.15966	0.1786	0.002691	0.002248	0.001348	0.001805
			0.000	0.108						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1B 2K 3C 4F 5C 6D 7J

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CD/S	CDD/S
			CPCP100	CPPP100						
RUN 26										
PT 16	90.2	403.4	-2.8	0.11	-0.03	1.37	4.0	0.062059	-0.004333	-0.003379
	26.6	0.2882	30.11	724.035	1.28	4.13	5.37	-0.000426	0.001365	0.002017
	0.1348	0.4678	6.17	19.95	0.04	-0.	-4.0	0.0422	0.07183	-0.00001
	2103.00	73.0	178.8	174.5	-0.57	4.05	7.38	-0.00020	0.3361	0.00071
	0.0023	528.1	3.98	3.84	0.19059	0.2085	0.003391	0.002371	0.001502	0.001798
			0.000	0.162						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1B 2K 3C 4F 5C 6E 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMFH	CPR100	CL*RM
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 25										
PT 16	50.8	403.2	-2.8	0.12	-0.50	1.47	0.0	0.062820	0.000439	-0.003459
	27.0	0.2905	30.11	785.264	1.28	4.91	5.11	0.000263	0.002935	0.001393
	0.1358	0.4676	7.98	21.50	0.01	-0.	0.4	0.0628	0.07132	-0.00064
	2102.61	73.0	191.8	185.3	-0.50	4.78	-0.74	0.00058	0.5726	0.00074
	0.0023	527.8	5.26	5.06	0.27275	0.3657	0.005726	0.002591	0.002535	0.001929
			0.000	0.267						
PT 18	50.1	404.0	-2.9	0.12	-0.02	1.49	0.0	0.065296	-0.000157	-0.003266
	26.5	0.2875	30.11	777.258	1.28	4.86	5.08	0.003916	0.002719	0.001288
	0.1346	0.4680	7.98	21.80	0.04	-0.	-0.1	0.0653	0.07444	0.00016
	2103.09	74.0	190.4	178.1	-0.29	4.62	0.27	0.00453	0.5359	0.00041
	0.0023	528.8	4.65	4.48	0.23821	0.3648	0.005399	0.002626	0.002715	0.001656
			0.000	0.240						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1B 2K 3C 4F 5C 6F 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMFH	CPR100	CL*RM
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 25										
PT 17	50.6	403.7	-2.8	0.16	-0.02	1.52	0.0	0.060359	0.000972	-0.001961
	26.9	0.2894	30.11	823.342	1.28	5.59	4.80	-0.000335	0.003354	0.005048
	0.1355	0.4682	9.99	22.21	0.30	-0.	0.9	0.0604	0.06911	-0.00057
	2102.73	73.0	191.1	178.1	-0.61	5.28	-1.54	-0.00021	0.6185	0.00455
	0.0023	528.5	5.35	5.15	0.29024	0.3924	0.006185	0.002736	0.003394	0.002205
			0.000	0.289						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2I 3C 4P 5A 6E 7F

	VKTS QPSF MTUN PST RHO100	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPM CPO/S	CXP/S CMZ/S CTM CPP100 CO/S	CYR/S CMX/S CM CL*PM CDO/S
RUN 47										
PT 1F	119.7	377.6	-3.2	-0.58	-1.36	1.49	1.0	0.060574	-0.001049	-0.003750
	47.0	0.4088	30.09	774.159	1.34	4.90	8.35	-0.000560	0.002787	0.000713
	C.1802	C.4409	7.77	21.49	0.29	-0.	-1.0	0.7606	0.07037	-C.00001
	2C81.24	67.0	167.3	163.1	-0.53	4.95	0.89	-0.00011	0.4482	0.00029
	0.0023	494.7	4.25	4.11	0.24853	0.2535	0.004482	0.002318	0.002790	0.002573
			0.000	0.261						
PT 1G	119.8	379.1	-3.2	-0.58	-1.35	1.49	1.0	0.058197	-0.000975	-0.003599
	47.1	0.4014	30.09	759.359	1.35	4.68	9.44	-0.000767	0.002887	-0.000065
	C.1804	0.4427	8.07	21.55	0.32	-0.	-0.9	0.0582	0.06729	-0.00014
	2081.16	67.0	167.3	163.4	-0.56	5.08	0.75	-0.00002	0.4291	C.00033
	C.0023	496.3	4.92	4.74	0.27909	0.2155	0.004291	0.001933	0.002686	0.002663
			0.000	0.299						

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2I 3C 4P 5A 6E 7G

	VKTS QPSF MTUN PST RHO130	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPM CPO/S	CXP/S CMZ/S CTM CPP100 CO/S	CYR/S CMX/S CM CL*PM CDO/S
RUN 37										
PT 1F	119.9	382.2	-3.2	-0.58	-1.36	1.48	2.0	0.059825	-0.001041	-0.003753
	47.1	0.4046	30.09	791.910	1.35	5.18	8.23	-0.000494	0.002720	0.000720
	C.1804	C.4459	7.92	21.40	0.31	-0.	-1.8	0.0599	0.06977	-0.00025
	2C81.14	68.0	166.3	163.1	-0.60	4.89	1.59	-0.00016	0.4711	0.00030
	0.0023	500.3	5.46	5.25	0.31767	0.2197	0.004711	0.002305	0.002130	0.002738
			0.000	0.318						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2I 3C 4P 5A 6E 7H

	VKTS QPSF PTUR PST RHC100	RPM V/OR TIPP TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJP PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	PPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLF/S CMY/S CT CMFH CPO/S	CXR/S CMZ/S CTH CPP100 CO/S	CYR/S CMX/S CH CL*RH CDO/S
RUN 47 PT 19	119.7 46.8 0.1799 2C81.43 0.0023	378.8 0.4073 0.4416 69.0 495.9	-3.1 30.09 7.57 170.6 4.70 0.000	-0.58 806.068 21.45 166.0 4.53 0.287	-1.37 1.33 0.35 -0.57 0.28438	1.49 5.37 -0. 4.84 0.2059	3.0 7.25 -3.2 2.98 0.004371	0.067061 0.000386 0.0622 0.00116 0.002804	-0.003499 0.001728 0.06701 0.4371 0.001747	-0.004136 0.000401 0.00025 -0.00012 0.002491
PT 20	119.3 46.8 0.1799 2C81.+C 0.0023	379.1 0.4075 0.4415 70.0 496.3	-3.2 30.09 7.32 168.0 +.60 0.000	-0.58 786.019 21.51 164.1 +.43 0.28C	-1.39 1.33 0.31 -0.61 0.27157	1.49 5.08 -0. 4.81 0.1786	3.0 8.10 -3.1 2.93 0.003937	0.063338 -0.000701 0.0634 -0.00002 0.002478	-0.003437 0.001851 0.06821 0.3937 0.001806	-0.003895 -0.000809 0.00017 -0.00013 0.002495
PT 22	120.0 46.8 0.1800 2081.38 0.0023	379.6 0.4075 0.4416 71.0 496.9	-3.2 30.09 7.82 192.2 5.02 0.000	-0.58 781.222 21.65 195.6 4.83 0.320	-1.37 1.34 0.38 -0.30 0.29380	1.50 4.80 -0. 4.58 0.1502	3.0 8.28 -3.6 3.38 0.003812	0.063411 0.004063 0.0635 0.00547 0.002411	-0.003973 0.001327 0.06918 0.3817 0.001338	-0.004397 0.000339 0.00065 0.00017 0.002246
PT 23	120.0 46.8 0.1800 2C81.38 0.0023	379.3 0.4078 0.4413 71.0 496.5	-3.2 30.09 7.37 192.2 +.53 0.000	-0.58 760.759 21.38 186.3 4.36 0.282	-1.35 1.35 -0.09 -0.42 0.25892	1.48 4.50 -0. 4.24 0.1691	3.0 8.18 -3.5 3.60 0.003674	0.068533 -0.000515 0.1687 0.00053 0.002596	-0.004230 0.001455 0.07261 0.3674 0.001216	-0.004257 -0.000545 0.00064 -0.00540 0.002111
PT 24	120.2 46.8 0.1801 2C76.55 0.0023	379.5 0.4082 0.4411 72.0 496.8	-3.1 30.05 8.02 192.8 5.11 0.000	-0.58 819.495 21.65 186.3 +.91 0.328	-1.35 1.34 0.42 -0.64 0.31483	1.50 5.38 -0. 4.71 0.1850	3.0 7.90 -2.9 2.47 0.004447	0.058737 -0.000074 0.0588 -0.00022 0.002428	-0.002805 0.001730 0.05681 0.4447 0.001853	-0.003175 0.002108 -0.00017 0.00251 0.002421

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
IC 2I 3C 4B 5A 6F 7G

	VKTS	RPM	THETA	X2P	XLEL	FPO	ALFS,C	CLP/S	CXF/S	CY?/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPP	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 47										
PT 1A	120.0	379.0	-3.2	-0.58	-1.36	1.73	2.0	0.076993	-0.001839	-0.005244
	47.1	0.4083	30.09	918.852	1.34	7.53	7.30	0.000250	0.002908	0.000717
	C.1804	0.4418	11.34	24.56	0.43	-0.	-1.4	0.0770	0.07733	-C.00085
	2C81.16	69.0	145.1	162.4	-0.63	6.75	1.56	0.00070	0.7574	0.00029
	0.0023	496.1	6.31	6.06	0.43363	0.3558	0.007574	0.003263	0.002932	0.002637
			0.000	0.514						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
IC 2I 3C 4P 5E 6F 7H

	VKTS	RPM	THETA	X2P	XLEL	FPO	ALFS,C	CLP/S	CXF/S	CY?/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPP	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 47										
PT 2I	120.0	379.1	-3.2	-0.58	-1.37	1.71	3.0	0.076651	-0.003467	-0.005030
	46.9	0.4082	30.09	922.314	1.33	7.23	7.31	-0.000654	0.002448	0.000526
	C.1800	0.4410	10.99	24.65	0.40	-0.	-2.6	0.0767	0.07428	-0.00055
	2C81.36	71.0	192.5	187.3	-0.64	6.30	2.94	-0.00006	0.6519	0.03004
	0.0023	496.2	5.68	5.46	0.39340	0.2862	0.006518	0.003241	0.002472	0.002451
			0.000	0.473						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 21 3D 4B 5A 6D 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP CMEG*R	THETA PAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLF/S CMV/S CT CMPH CPD/S	CXF/S CMZ/S CTH CPP100 CO/S	CYF/S CMX/S CH CLMPH CDC/S
RUN 47										
PT 12	119.8	378.4	-2.2	-0.58	-1.33	1.34	0.0	0.048062	0.000082	-0.002606
	47.3	0.4084	30.09	459.099	1.36	1.53	662.38	-0.001347	0.002771	0.000133
	0.1808	0.4427	5.66	19.38	0.31	-0.	0.1	0.0481	0.05543	-0.00008
	2080.95	65.0	164.7	159.5	-0.52	3.72	-0.37	0.00002	0.0597	0.00364
	0.0023	495.3	3.33	3.23	0.11509	0.0063	0.000597	-0.000378	0.002771	0.002319
			0.000	0.151						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 21 3D 4B 5A 6E 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP CMEG*R	THETA PAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLF/S CMV/S CT CMPH CPD/S	CXF/S CMZ/S CTH CPP100 CO/S	CYF/S CMX/S CH CLMPH CDC/S
RUN 47										
PT 13	119.8	377.4	-2.2	-0.58	-1.31	1.49	0.0	0.061735	0.000434	-0.003422
	47.3	0.4095	30.09	659.921	1.37	1.38	16.36	0.000069	0.003476	-0.00017
	0.1808	0.4416	8.02	21.52	0.38	-0.	0.4	0.0617	0.06523	-0.00363
	2080.95	65.0	165.0	162.1	-0.50	5.00	-0.37	0.00063	0.0553	-0.00330
	0.0023	494.0	5.54	5.33	0.27400	0.1722	0.003553	0.000874	0.003476	0.002629
			0.000	0.338						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2I 3D 4B 5A 6E 7F

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPP TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPP*100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLF/S CMY/S CT CMPH CPO/S	CXP/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COO/S
RUN 47 PT 14	120.0 47.3 0.1808 2080.95 0.0073	378.4 0.4087 0.4424 66.0 495.4	-2.7 30.09 8.02 165.4 5.28 0.030	-0.58 640.408 21.47 162.4 5.08 0.318	-1.34 1.36 0.41 -0.56 0.25247	1.49 3.15 -0. 4.57 0.1396	1.0 15.36 -0.6 0.60 0.003028	0.063256 -0.000330 0.0433 -0.03007 0.000979	-0.000703 0.003081 0.06541 0.3028 0.003079	-0.003530 -0.000074 -0.00360 0.03020 0.002661

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2I 3F 4E 5A 6D 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPP TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLF/S CMY/S CT CMPH CPO/S	CXP/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COO/S
RUN 47 PT 11	119.7 47.1 0.1805 2CE1.05 0.0023	378.0 0.4082 0.4423 65.0 494.8	-1.2 30.09 5.46 163.7 4.25 0.000	-0.01 638.615 19.32 159.2 4.09 0.190	-1.31 1.36 0.52 -0.54 0.20321	1.34 3.15 -0. 3.77 0.1438	0.0 15.09 0.1 -0.11 0.002750	0.051306 -0.000747 0.0513 -0.03058 0.000923	0.000125 0.003036 0.05863 0.2750 0.003036	-0.002396 -0.000260 -0.00017 0.00013 0.002521

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2I 3F 4B 5A 6D 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COC/S
			CPCR100	CPPR100						
RUN 17										
PT 13	119.7	378.9	-0.0	-0.59	-1.32	1.33	0.0	0.058662	-0.000020	-0.003765
	47.2	0.4073	30.09	651.879	1.35	3.30	11.02	0.001100	0.002750	-0.003466
	0.1907	0.4437	5.56	19.25	0.53	-0.	-0.0	0.0587	0.06585	0.01202
	2081.00	64.0	164.7	159.2	-0.56	3.80	0.02	0.00178	0.3283	-0.00373
	0.0023	495.5	3.51	3.40	0.17096	0.2160	0.003283	0.001559	0.002750	0.002159
			0.000	0.156						

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2K 3C 4E 5C 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	PPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COC/S
			CPCR100	CPPR100						
RUN 25										
PT 21	120.0	403.7	-2.8	0.06	-0.02	0.98	2.0	-0.004063	-0.001775	0.001204
	46.4	0.3832	30.11	1052.930	1.29	-0.25	-0.54	0.003386	0.001793	0.003362
	0.1791	0.4674	-0.13	14.11	-0.03	-0.	-156.3	-0.0040	0.02088	0.00192
	2083.20	76.0	63.6	94.1	-0.07	0.43	1.71	0.00364	0.3158	0.00361
	0.0023	529.4	1.36	1.34	0.09792	0.2182	0.003158	0.002861	0.001909	0.002597
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2K 3C 4F 5C 6A 7C

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CQO/S
			CPCR100	CPP*100						
RUN 25										
PT 20	119.8	404.5	-2.9	0.16	-0.02	0.97	-2.0	-0.025580	-0.002994	0.002794
	46.3	0.3819	30.11	1051.065	1.29	-0.20	-2.85	-0.000533	0.002737	0.006276
	0.1789	0.4684	-0.33	14.09	-0.02	0.	-173.3	-0.0257	-0.00714	0.00210
	2083.32	76.0	75.1	92.1	-0.03	0.43	2.90	0.00121	0.3006	0.00770
	0.0023	529.5	1.01	1.00	0.07253	0.2286	0.003006	0.003306	0.002516	0.003536
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2K 3C 4F 5C 6A 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CQO/S
			CPCR100	CPP*100						
RUN 25										
PT 19	119.8	404.1	-2.8	0.19	-0.02	0.97	0.0	-0.014649	-0.002007	0.002270
	46.4	0.3822	30.11	1051.376	1.29	-0.20	-1.81	0.000742	0.002421	0.004517
	0.1790	0.4683	-0.13	14.09	-0.01	0.	-172.2	-0.0146	0.00871	0.00201
	2083.25	75.0	72.2	92.5	0.00	0.40	1.94	0.00257	0.3584	0.00599
	0.0023	529.0	1.76	1.73	0.12581	0.2334	0.003584	0.003061	0.002421	0.003147
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2K 3C 4F 5C 6A 7J

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CM7/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CM
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRM	CPR100	CL*RM
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CQQ/S
			CPCR100	CPPR100						
RUN 25										
PT 22	119.9	403.8	-2.9	0.13	-0.03	0.98	4.0	0.005780	-0.002306	0.000209
	46.4	0.3830	30.11	1051.687	1.29	-0.18	0.83	0.003433	0.001228	0.001937
	0.1790	0.4675	-0.28	14.13	-0.04	-0.	-21.8	0.0059	0.02207	0.03150
	2083.22	76.0	82.3	92.8	-0.09	0.45	2.22	0.00539	0.3121	0.03142
	0.0023	529.5	1.87	1.83	0.13356	0.1792	0.003121	0.002669	0.001359	0.002215
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2K 3F 4E 5A 6C 7D

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CM7/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CM
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRM	CPR100	CL*RM
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CQQ/S
			CPCR100	CPPR100						
RUN 47										
PT 7	119.8	401.7	-0.0	-0.06	-1.35	1.27	-1.0	0.045007	0.000398	-0.002157
	47.4	0.3846	30.09	595.931	1.36	2.70	10.21	0.000878	0.002879	-0.001694
	0.1811	0.4709	4.25	13.29	0.54	-0.	0.5	0.0350	0.05363	0.00039
	2080.81	63.0	163.7	157.8	-0.57	3.17	-0.38	0.00065	0.2437	-0.01155
	0.0023	525.8	2.01	2.54	0.10395	0.1848	0.002437	0.001316	0.002507	0.002374
			0.000	0.380						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2K 3F 4E 5A 6D 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FF CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CM CL*RM CDO/S
RUN 47										
PT 6	119.8	403.0	-0.0	-0.07	-1.32	1.34	0.0	0.056539	-0.000133	-0.003078
	47.3	0.3833	30.09	610.594	1.36	2.85	12.56	0.000093	0.002824	-0.001891
	0.1809	0.4720	5.41	19.39	0.55	-0.	-0.1	0.0565	0.06346	0.00013
	2080.88	84.0	164.1	158.2	-0.53	3.85	0.13	0.00353	0.2678	-0.00214
	0.0023	527.6	4.33	4.16	0.17344	0.1674	0.002678	0.001125	0.002824	0.002275
			0.000	0.161						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2I 3G 4B 5A 6D 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FF CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CM CL*RM CDO/S
RUN 47										
PT 28	165.7	381.3	-3.6	-0.57	-1.37	1.35	2.0	0.033493	-0.000886	-0.001156
	85.5	0.5604	30.05	656.434	1.35	3.34	10.73	-0.000777	0.002563	-0.001599
	0.2463	0.4395	5.07	19.15	-0.17	-0.	-1.5	0.0335	0.04175	-0.00078
	2039.86	84.0	155.2	150.3	-0.54	3.67	0.40	0.00043	0.2560	-0.00016
	0.0022	499.1	3.63	3.51	0.18577	0.1338	0.002560	0.001691	0.002506	0.002458
			0.000	0.172						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
10 21 3P 4P 5E 6D 7G

	VKTS CPSF MTUN PST RHO100	PPM V/OR TIPM TEMP OMEG*R	THETA RAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PR COO/S
RUN 47										
PT 29	165.1	380.0	-3.9	-0.57	1.56	1.37	2.0	0.038972	-0.002800	-0.001067
	84.9	0.5604	30.05	700.456	1.34	3.86	6.30	0.001309	0.001840	-0.002049
	0.2454	0.4379	6.27	19.43	-0.24	-0.	-4.1	0.0390	0.05805	0.00144
	2040.47	84.0	155.9	153.3	-0.37	4.06	1.26	0.00312	0.4005	-0.00048
	0.0022	497.4	5.47	5.25	0.29908	0.1898	0.004005	0.003273	0.001767	0.003141
			0.000	0.273						
PT 30	165.0	381.9	-3.9	-0.57	1.58	1.35	2.0	0.028500	-0.001624	0.001085
	94.8	0.5570	30.05	718.521	1.34	4.01	4.92	-0.000725	0.002659	0.000079
	0.2452	0.4402	5.62	19.10	-0.11	-0.	-3.2	0.0299	0.04524	0.00061
	2040.61	84.0	164.1	164.7	-0.69	3.77	0.74	0.00008	0.4087	0.00208
	0.0022	499.9	4.30	4.14	0.23902	0.2369	0.004087	0.003166	0.002660	0.003457
			0.000	0.204						
RUN 48										
PT 2	164.5	380.1	-3.9	-0.57	1.58	1.31	2.0	0.037330	-0.001581	-0.000516
	85.5	0.5581	30.03	715.149	1.36	4.05	6.20	-0.001663	0.002210	-0.001674
	0.2470	0.4426	6.28	18.53	-0.39	-0.	-3.0	0.0374	0.06097	0.00068
	2038.08	73.0	154.6	153.9	-0.63	4.17	0.90	0.00034	0.4472	-0.00145
	0.0022	497.5	5.63	5.41	0.30855	0.2254	0.004472	0.003180	0.002150	0.003076
			0.000	0.237						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2I 3B 4P 5E 6D 7I

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CPO/S	CXR/S CMZ/S CTH CPR100 CQ/S	CYR/S CMX/S CH CL*RH CQC/S
RUN 4R										
PT 6	165.2	380.0	-4.2	-0.56	1.55	1.31	3.5	0.042576	-0.003265	-0.000334
	84.7	0.5608	30.03	719.996	1.36	4.09	6.56	0.000792	0.002002	-0.000944
	0.2451	0.4371	5.82	18.55	-0.04	-0.	-4.4	0.0427	0.06468	0.00966
	2039.29	86.0	158.2	157.2	-0.63	4.32	1.47	0.00214	0.3918	-0.00035
	0.0022	497.4	5.16	-.96	0.29125	0.1810	0.003918	0.003408	0.001940	0.003538
			0.000	0.224						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2I 3B 4P 5E 6F 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CPO/S	CXR/S CMZ/S CTH CPR100 CQ/S	CYR/S CMX/S CH CL*RH CQC/S
RUN 4B										
PT 3	166.0	379.4	-3.9	-0.57	1.59	1.60	2.0	0.053128	-0.002936	-0.001160
	85.7	0.5641	30.03	934.922	1.36	7.22	6.98	-0.001118	0.002590	-0.000979
	0.2467	0.4373	10.86	22.70	0.28	-0.	-3.2	0.0532	0.06999	0.00108
	2038.25	84.0	196.1	194.8	-0.79	6.34	1.30	-0.00011	0.7833	-0.000*2
	0.0027	496.6	7.54	7.23	0.55179	0.2638	0.007833	0.003934	0.002554	0.003850
			0.000	0.590						
PT 4	165.9	379.9	-3.9	-0.57	1.57	1.73	2.0	0.059027	-0.003215	-0.001223
	85.4	0.5629	30.03	956.290	1.35	8.49	7.10	-0.001034	0.002549	-0.000705
	0.2463	0.4375	13.47	24.55	0.35	-0.	-3.1	0.0591	0.07477	0.00115
	2038.54	85.0	187.6	197.4	-0.82	7.14	1.43	-0.00012	0.9824	-0.00038
	0.0022	497.3	9.04	8.67	0.70415	0.2871	0.009924	0.004235	0.002923	0.004287
			0.000	0.817						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1) 2I 3A 4B 5E 6F 7I

		VKTS QPSF MTUN PST RHO100	RPM V/DP TIPM TEMP CMEG*P	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMV/S CT CMRH CPO/S	CYP/S CM7/S CTH CPR100 CO/S	CYR/S CMR/S CH CL*PH CDO/S
RUN 68											
PT 7		165.2	379.1	-4.5	-0.56	1.58	1.59	3.5	0.056817	-0.004704	-0.001640
		84.1	0.5618	30.03	534.166	1.35	7.11	7.30	0.000345	0.001770	-0.000668
		0.2443	0.4349	10.95	22.49	0.15	-0.	-4.7	0.0570	0.07882	0.00123
		2035.83	89.0	204.3	202.0	-0.70	6.07	2.11	0.00167	0.7034	-0.00041
		0.0022	496.2	7.62	7.31	0.56319	0.1733	0.007034	0.003961	0.001735	0.003963
				0.000	0.598						
PT 8		165.4	379.1	-4.5	-0.56	1.57	1.71	3.5	0.061802	-0.005274	-0.001931
		84.2	0.5525	30.03	970.096	1.35	7.86	7.27	0.000422	0.001825	-0.000378
		0.2444	0.4345	13.16	24.17	0.25	-0.	-4.9	0.0620	0.08731	0.00149
		2039.76	90.0	193.5	201.0	-0.74	6.85	2.36	0.00148	0.8408	-0.00030
		0.0022	496.3	8.78	8.42	0.67439	0.1817	0.008408	0.004294	0.001902	0.004279
				0.000	0.788						
PT 10		165.2	380.8	-4.5	-0.56	1.59	1.59	3.5	0.057772	-0.005530	-0.003018
		83.9	0.5553	30.03	927.817	1.36	7.28	7.13	0.003240	0.001024	-0.000185
		0.2439	0.4360	11.20	22.51	0.17	-0.	-5.5	0.0580	0.08638	0.00159
		2040.12	91.0	154.2	181.1	-0.52	6.22	2.50	0.00578	0.7128	-0.00058
		0.0027	498.5	8.38	8.04	0.61118	0.1440	0.007128	0.004103	0.001011	0.003674
				0.000	0.631						
PT 11		165.4	380.1	-4.5	-0.56	1.58	1.61	3.5	0.057393	-0.003957	-0.000495
		84.0	0.5611	30.03	943.278	1.36	7.63	6.97	-0.003773	0.002723	-0.001351
		0.2440	0.4349	11.20	22.81	0.11	-0.	-3.9	0.0575	0.08394	0.00045
		2040.02	92.0	149.7	179.1	-0.86	6.40	1.78	-0.00303	0.7734	-0.00106
		0.0022	497.6	7.55	7.24	0.56306	0.2397	0.007734	0.004195	0.002635	0.004433
				0.000	0.586						
PT 12		165.4	377.7	-4.5	-0.56	1.58	1.60	3.5	0.052764	-0.005486	-0.000919
		84.0	0.5647	30.03	928.415	1.36	7.33	6.45	0.003044	0.001214	0.001613
		0.2440	0.4321	11.05	22.62	0.33	-0.	-5.9	0.0530	0.08279	0.00225
		2040.02	92.0	150.0	178.4	-0.67	6.40	2.43	0.00442	0.7153	0.00175
		0.0027	494.4	8.07	7.74	0.59984	0.1520	0.007153	0.004263	0.001310	0.004053
				0.000	0.627						

	VKTS QPSF MTUN PST RHO100	RPM V/DR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CLMPH CDD/S
PT 13	165.6	380.1	-4.5	-0.56	1.57	1.60	3.5	0.066782	-0.004504	-0.003670
	84.0	0.5617	30.03	523.809	1.36	7.26	7.77	-0.001700	0.002030	-0.004946
	0.2440	0.4345	11.00	22.73	-0.13	-0.	-4.2	0.0670	0.03631	0.00092
	2340.00	93.0	146.4	177.1	-0.64	6.33	2.20	-0.00013	0.7468	-0.00528
	0.0322	497.6	7.95	7.62	0.58108	0.2074	0.007468	0.004256	0.031724	0.003907
			0.000	0.611						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2I 3C 4P 5A 6D 7G

	VKTS QPSF MTUN PST RHO100	RPM V/DR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CLMPH CDD/S
RUN 27										
PT 25	165.5	380.0	-3.1	-0.57	-1.38	1.35	2.0	0.034757	-0.000825	-0.001194
	86.2	0.5615	30.05	704.131	1.32	3.95	6.52	-0.000020	0.002651	-0.001738
	0.2473	0.4404	5.18	19.12	0.35	-0.	-1.4	0.0348	0.04825	-0.00039
	2039.21	78.0	152.3	148.0	-0.87	3.73	0.37	0.00075	0.3875	-0.00006
	0.0022	497.4	3.47	3.36	0.19005	0.2530	0.003875	0.002838	0.002406	0.002914
			0.000	0.163						
PT 26	165.6	381.1	-3.1	-0.57	-1.37	1.34	2.0	0.034303	-0.001141	-0.000525
	85.9	0.5604	30.05	568.068	1.34	2.42	12.45	-0.000529	0.002798	-0.002144
	0.2469	0.4405	5.02	18.92	0.22	-0.	-1.9	0.0343	0.05190	-0.00004
	2039.51	81.0	151.3	149.0	-0.75	3.62	0.52	0.00050	0.1783	-0.00022
	0.0322	498.8	3.54	3.42	0.15631	0.0893	0.001783	0.001393	0.002711	0.003211
			0.000	0.160						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2I 3C 4G 5A 6D 7H

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*RM
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CQ/S	CQQ/S
			CPCR100	CPPR100						
RUN 47										
PT 27	165.4	381.5	-3.2	-0.57	-1.38	1.34	3.0	0.040301	-0.002456	-0.002176
	85.7	0.5591	30.05	634.523	1.33	3.09	18.30	0.004577	0.001624	-0.001580
	0.2465	0.4409	5.57	19.03	0.47	-0.	-3.5	0.0404	0.05157	0.00034
	2039.72	81.0	153.6	150.3	-0.46	3.96	1.11	0.00653	0.1047	-0.00070
	0.0022	499.4	3.94	3.80	0.19362	-0.0143	0.001087	0.001022	0.001539	0.002704
			0.000	0.181						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2F 3A 4B 5E 6F 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*RM
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CQ/S	CQQ/S
			CPCR100	CPPR100						
RUN 48										
PT 5	165.9	403.5	-3.9	-0.57	1.57	1.71	2.0	0.056285	-0.003090	-0.002250
	85.3	0.5302	30.03	969.909	1.35	7.89	6.47	-0.001289	0.002829	0.000001
	0.2461	0.4642	12.92	24.21	0.23	-0.	-3.2	0.0564	0.07498	0.00113
	2038.64	86.0	186.9	198.4	-0.72	6.88	1.56	-0.00007	0.8257	-0.00042
	0.0022	528.2	8.55	8.20	0.57574	0.2971	0.008257	0.004183	0.002827	0.004040
			0.000	0.632						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1D 2A 3B 4B 5E 6F 7I

	VKTS QPSF PTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPO/S	CXP/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*RH COO/S
RUN 40										
PT 5	165.5	404.5	-4.5	-0.56	1.57	1.69	3.5	0.057553	-0.004959	-0.002799
	84.2	0.5276	30.03	589.786	1.35	8.28	6.52	0.000367	0.001758	0.000384
	0.2444	0.4632	12.91	23.88	0.07	-0.	-4.9	0.0577	0.08028	0.00144
	2039.79	91.0	199.0	201.3	-0.61	6.61	2.52	0.00115	0.7824	-0.00019
	0.0022	529.5	8.97	3.60	0.61863	0.2042	0.007824	0.004706	0.001779	0.003943
			0.000	0.650						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2A 3B 4B 5C 6F 7G

	VKTS QPSF PTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPO/S	CXP/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*RH COO/S
RUN 41										
PT 9	181.0	32.1	-3.8	-0.54	0.45	1.55	2.0	13.213327	-0.039109	0.745705
	95.8	7.2688	29.95	821.445	1.32	5.29	2275.93	0.765372	-0.184166	0.007789
	0.2620	0.0360	8.91	21.79	0.29	-0.	-0.2	13.2066	14.33229	-0.62705
	2022.52	114.0	177.1	183.3	-0.55	4.42	0.10	0.67248	573.3047	0.28904
	0.0021	42.0	6.40	6.14	61.12823	-24.2079	5.733047	-1.687546	-0.183956	-1.625423
			0.000	807.491						
PT 10	180.6	32.0	-3.8	-0.54	-0.03	1.63	2.0	14.031981	-0.036555	0.861814
	95.5	7.2785	29.95	852.726	1.32	5.81	246.35	0.639183	-0.171019	-0.142023
	0.2615	0.0359	10.72	22.84	0.30	-0.	-0.4	14.0267	15.73511	-0.39521
	2022.85	114.0	156.9	182.4	-0.60	4.79	0.25	0.53754	747.1604	0.27009
	0.0021	41.9	7.64	7.32	76.09291	-27.3639	7.471605	-1.533548	-0.175871	-1.435781
			0.000	1065.662						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2A 3B 4B 5E 6D 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP CMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CDO/S	CXF/S CMZ/S CTH CPF100 CO/S	CYR/S CMX/S CM CL*FH COD/S
RUN 41										
PT 3	192.5	30.5	-3.7	-0.54	1.58	1.33	2.0	12.182699	0.330231	0.689224
	100.4	7.7047	29.95	678.289	1.31	3.50	-35.45	0.448972	0.017468	-0.291480
	0.2687	0.0349	5.07	18.61	-0.47	-0.	1.6	12.1638	13.52838	-0.75520
	2017.90	96.0	167.3	160.8	-0.23	2.92	-0.79	0.31597	303.7517	0.06373
	0.0021	40.0	4.37	4.20	37.03247	-10.3120	3.037518	-4.034699	0.007285	-3.924295
			0.000	396.488						
PT 4	181.5	30.3	-3.7	-0.54	1.57	1.34	2.0	12.614659	0.309073	0.424509
	97.9	7.7122	29.95	678.972	1.32	3.48	-38.81	0.532228	-0.017104	-0.500562
	0.2651	0.0344	5.21	18.76	-0.48	-0.	1.4	12.5962	14.67443	-0.74913
	2020.37	104.0	170.9	165.4	-0.09	2.95	-0.73	0.55853	297.3677	-0.21908
	0.0021	39.7	4.15	4.00	36.23123	-12.3392	2.973679	-3.992950	-0.034562	-3.904121
			0.000	402.274						
PT 5	181.3	30.1	-3.8	-0.54	1.58	1.34	2.0	12.887528	0.246687	0.459545
	97.6	7.7625	29.95	671.005	1.32	3.38	-49.25	0.498570	-0.012633	-0.512002
	0.2646	0.0341	4.80	18.79	-0.52	-0.	1.1	12.8711	14.70406	-0.69631
	2020.75	105.0	172.6	167.0	-0.02	2.84	-0.58	0.54222	247.0527	-0.22091
	0.0021	39.4	3.46	3.34	30.39117	-11.6458	2.470527	-3.572214	-0.030494	-3.486251
			0.000	346.709						
PT 6	181.4	30.7	-3.7	-0.54	1.57	1.32	2.0	11.236169	0.194077	0.677242
	97.2	7.6132	29.95	665.215	1.32	3.30	-51.23	0.871871	-0.098364	0.126823
	0.2640	0.0347	4.95	18.46	0.38	-0.	1.0	11.2226	13.70063	-0.58410
	2021.12	108.0	173.9	169.0	-0.12	2.71	-0.47	0.96031	255.8717	0.47549
	0.0021	40.2	3.96	3.81	33.25986	-19.2291	2.559717	-2.864080	-0.093947	-2.765735
			0.000	354.058						
PT 7	181.5	30.5	-3.7	-0.54	1.57	1.32	2.0	11.683955	0.168372	0.489222
	97.0	7.6805	29.95	672.142	1.31	3.37	-61.37	0.655700	-0.052020	0.071965
	0.2637	0.0343	5.05	18.59	0.14	-0.	0.8	11.6710	13.78149	-0.57603
	2021.33	110.0	169.9	169.9	-0.37	2.76	-0.40	0.77056	258.9006	0.47420
	0.0021	39.9	4.34	4.17	37.48160	-16.9177	2.989008	-2.742362	-0.049477	-2.622663
			0.000	407.911						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2A 3B 4P 5E 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CX*/S	CY*/S
	QPSF	V/OP	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	C**/S
	MTUN	TIPM	PTC	PTP	XP	PTSSL	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PTSST	FE	CMRH	CPR100	CL*=H
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 3A										
PT 30	180.1	29.7	-4.2	-0.57	1.56	1.44	2.0	14.808956	-0.144906	0.702378
	96.7	7.8277	30.11	785.741	1.33	4.82	138.99	0.163595	-0.767340	-0.523834
	0.2626	C.0335	7.86	20.40	-0.40	-0.	-0.6	14.4050	16.34354	-0.37201
	2032.95	106.0	182.7	178.1	-0.60	3.86	0.33	0.20475	610.5183	0.02139
	0.0021	38.8	6.03	5.78	63.30095	-30.0267	6.105184	-1.183600	-0.285458	-1.168791
			0.000	793.864						
PT 31	180.0	29.7	-4.2	-0.57	1.55	1.44	2.0	14.588149	-0.170021	0.706109
	96.6	7.8237	30.11	792.399	1.33	4.92	105.03	0.113363	-0.704674	-0.475457
	0.2624	C.0335	7.61	20.32	-0.41	-0.	-0.7	14.5852	16.83358	-0.33920
	2033.04	106.0	182.4	178.1	-0.59	3.99	0.39	0.13781	622.4709	0.09707
	0.0021	38.8	5.99	5.74	63.38394	-24.3489	6.224710	-0.872177	-0.221142	-0.849830
			0.000	780.412						
PT 32	180.2	29.7	-4.2	-0.57	1.55	1.43	2.0	14.722890	-0.150059	0.645253
	96.7	7.8346	30.11	788.037	1.33	4.85	94.97	0.242913	-0.739194	-0.476543
	0.2626	C.0335	7.51	20.23	-0.43	-0.	-0.7	14.7206	16.97343	-0.32388
	2032.95	107.0	179.1	179.1	-0.52	3.86	0.44	0.26529	553.4675	-0.09640
	0.0021	38.8	5.42	5.21	57.24068	-27.4460	5.534676	-0.777988	-0.262659	-0.766088
			0.000	701.572						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2A 3B 4E 5C 6F 7G

	VKTS QPSF MTUN PST RHO100	RPM V/DR TIPM TEMP OMEG*R	THETA RAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPO/S	CXP/S CM7/S CTH CPR100 CO/S	CYP/S CMK/S CH CL*RH COO/S
RUN 41 PT 11	180.4 95.1 0.2610 2023.20 0.0021	30.9 7.5272 0.0347 115.0 40.5	-3.8 29.95 10.12 152.9 7.31 0.000	0.00 848.913 22.80 181.4 7.00 1126.957	0.38 1.32 0.13 -0.48 77.76453	1.62 5.76 -0. 4.89 -25.7232	2.0 80.68 -0.8 0.54 7.900643	14.844907 0.443543 14.4435 0.56062 -0.723312	-0.218177 -0.128123 17.20471 790.0642 -0.128853	0.644492 -0.023140 -0.30004 0.2E113 -0.594934

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2A 3B 4E 5E 6D 7G

	VKTS QPSF MTUN PST RHO100	RPM V/DR TIPM TEMP OMEG*R	THETA RAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPO/S	CXP/S CM7/S CTH CPR100 CO/S	CYP/S CMK/S CH CL*RH COO/S
RUN 41 PT 8	181.5 90.9 0.2635 2021.47 0.0021	30.2 7.7578 0.0340 111.0 39.5	-3.7 29.95 5.35 171.9 4.00 0.000	0.06 687.515 19.83 170.9 3.85 406.625	1.50 1.32 -0.45 -0.58 36.19666	1.34 3.55 -0. 2.94 -13.0955	2.0 -49.62 1.1 -0.53 3.018871	12.009263 0.055533 11.9941 0.07302 -3.216351	0.225140 0.018971 13.65701 301.8870 0.016917	0.856497 -0.058662 -0.64417 0.50505 -3.069683

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2A 3B 4E 5F 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXP/S	CYR/S
	OPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPP	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 38										
PT 33	180.1	29.7	-4.2	0.01	1.56	1.45	2.0	14.458443	-0.216564	0.653108
	94.5	7.8287	30.11	794.646	1.33	4.95	78.21	-0.007250	-0.744395	-0.563813
	0.2624	0.0335	7.76	20.49	-0.48	-0.	-0.9	14.4572	16.66170	-0.28816
	2033.09	107.0	181.4	179.1	-0.57	3.99	0.50	0.15581	582.4250	0.03261
	0.0021	36.8	5.57	5.35	59.33665	-24.8104	5.824252	-0.475693	-0.763922	-0.491511
			0.000	745.445						

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2A 3B 4E 5E 6F 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXP/S	CYR/S
	OPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPP	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 41										
PT 12	179.7	30.9	-3.8	0.00	1.33	1.61	2.0	14.673603	-0.223949	0.604685
	94.2	7.5081	29.95	854.936	1.32	5.85	75.68	0.386377	-0.781386	0.070366
	0.2597	0.0346	10.56	22.68	0.11	-0.	-0.9	14.6725	17.40544	-0.28829
	2024.11	116.0	153.3	182.4	-0.50	4.91	0.55	0.65501	836.6719	0.23786
	0.0020	40.4	7.54	7.22	81.19801	-22.5676	8.366719	-0.609477	-0.078881	-0.462687
			0.000	1159.602						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2A 3C 4P 5E 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	PPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/QR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCP100	CPPP100						
RUN 38										
PT 20	180.2	29.7	-3.0	-0.57	1.56	1.44	2.0	15.004930	0.095158	0.450239
	96.9	7.8346	30.11	789.876	1.33	4.90	-135.43	-0.007536	-0.035932	-0.503946
	0.2628	0.0335	7.71	20.33	-0.28	-0.	0.4	14.9925	17.11620	-0.61976
	2032.79	106.0	185.0	176.5	-0.71	3.96	-0.22	0.04269	622.4023	-0.08588
	0.0021	38.8	5.91	5.67	62.39030	-12.2507	6.224024	-2.937568	-0.053498	-2.868560
			0.000	770.409						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2A 3C 4F 5E 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	PPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/QR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCP100	CPPP100						
RUN 30										
PT 14	180.3	33.9	-3.1	-0.04	1.08	0.96	2.0	4.502794	0.261383	0.966436
	95.4	6.8583	29.98	1082.034	1.28	-0.11	-17.87	0.863765	-0.005913	0.934965
	0.2613	0.0381	-0.19	13.57	-0.00	0.	3.3	4.4909	7.41940	-0.41837
	2025.04	113.0	133.3	125.2	0.06	-0.43	-0.79	0.65619	256.4854	0.79070
	0.0021	44.4	1.79	1.75	20.50919	6.4387	2.564855	-1.941161	-0.004699	-2.019238
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2B 3B 4B 5E 6E 7G

	VKTS QPSF MTUN PST RHO100	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PH COD/S
RUN 39										
PT 25	180.1	80.0	-4.2	-0.57	1.55	1.44	2.0	1.811575	-0.008132	0.065325
	97.1	2.9032	30.11	808.924	1.33	5.12	-909.89	0.068228	-0.023509	-0.103751
	0.2631	0.0906	7.46	20.31	-0.01	-0.	-0.3	1.8108	2.07437	-0.05513
	2032.55	104.0	184.7	183.0	-0.60	3.88	0.14	0.06032	29.8643	-0.01470
	0.0021	104.7	5.73	5.50	8.49310	-2.9388	0.298643	-0.087186	-0.027115	-0.004913
			0.000	38.272						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2B 3B 4B 5E 6F 7G

	VKTS QPSF MTUN PST RHO100	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XP XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PH COD/S
RUN 38										
PT 27	180.3	80.0	-4.2	-0.57	1.56	1.59	2.0	1.974484	-0.029873	0.075948
	97.1	2.9065	30.11	881.197	1.33	6.25	101.38	0.026203	-0.017809	-0.070050
	0.2632	0.0906	10.03	22.51	0.20	-0.	-0.8	1.9743	2.25180	-0.04005
	2032.51	105.0	190.2	189.9	-0.78	5.09	0.48	0.03902	44.3851	0.01562
	0.0021	104.7	6.93	6.65	11.19835	-2.7309	0.443851	-0.039987	-0.020243	-0.13220
			0.000	59.155						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2B 3B 4E 5E 6C 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPR	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 38										
PT 14	180.2	80.1	-4.2	0.02	1.58	1.29	2.0	1.377383	0.020817	0.072996
	58.5	2.9017	30.11	650.763	1.35	3.36	-58.17	0.031359	-0.016095	-0.067672
	0.2651	0.0914	4.56	18.14	-0.66	-0.	0.9	1.3758	1.63948	-0.06847
	2031.18	96.0	135.3	135.3	-0.42	2.93	-0.35	0.02489	15.5177	0.03081
	0.0071	104.8	4.48	4.30	5.26540	-0.8305	0.155177	-0.115795	-0.019447	-0.125936
			0.000	19.153						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2B 3B 4E 5E 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPR	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 38										
PT 26	180.1	80.0	-4.2	0.06	1.55	1.45	2.0	1.784061	-0.023268	0.036443
	57.1	2.9028	30.11	794.964	1.33	4.95	116.92	0.038555	-0.024082	-0.094936
	0.2631	0.0906	7.67	20.45	-0.15	-0.	-0.7	1.7838	2.02025	-0.03901
	2032.58	104.0	181.1	179.1	-0.51	4.12	0.39	0.06291	29.9175	-0.01831
	0.0021	104.7	5.83	5.60	8.49448	-2.3248	0.799175	-0.034667	-0.027381	-0.038799
			0.000	39.355						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2E 3C 4P 5E 6C 7G

	VKTS QPSF PTUR PST RHO*100	PPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC MC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPP100 CPP/S	CXP/S CMZ/S CTH CPP100 CQ/S	CYP/S CMX/S CH CL*CH CQQ/S
RUN 38										
PT 11	179.9	90.3	-3.1	-0.57	1.57	1.28	2.0	1.447682	0.037469	0.069851
	98.3	2.8876	30.11	653.945	1.34	3.38	-38.85	0.046067	-0.006837	-0.100782
	0.2649	0.0917	4.35	18.00	-0.40	-0.	1.5	1.4455	1.71032	-0.08797
	2031.32	95.0	135.3	137.3	-0.65	2.88	-0.64	-0.00262	12.5562	0.00135
	0.0021	105.1	3.41	3.30	4.01881	0.0600	0.125562	-0.159863	-0.010350	-0.170913
			0.000	14.114						
PT 12	180.0	79.7	-3.1	-0.57	1.57	1.28	2.0	1.425635	0.035152	0.080120
	98.4	2.9104	30.11	642.727	1.34	3.26	-39.49	0.031530	0.001816	-0.099727
	0.2651	0.0911	4.56	18.07	-0.40	-0.	1.4	1.4235	1.72834	-0.08488
	2031.20	95.0	135.6	136.3	-0.64	2.80	-0.59	0.01028	13.6790	-0.00492
	0.0021	104.4	3.87	3.73	4.53256	-0.2759	0.134790	-0.155354	-0.001666	-0.154261
			0.000	16.539						
PT 17	180.4	79.6	-3.0	-0.57	1.58	1.27	2.0	1.431289	0.039949	0.064097
	98.3	2.9204	30.11	646.959	1.34	3.31	-36.31	0.057777	-0.008647	-0.093295
	0.2649	0.0907	4.46	17.95	-0.29	-0.	1.6	1.4290	1.67185	-0.08988
	2031.29	98.0	137.6	136.3	-0.64	2.85	-0.66	0.04245	13.1506	0.00290
	0.0021	104.2	3.51	3.40	4.18802	0.1554	0.131506	-0.165630	-0.011724	-0.173907
			0.000	14.808						
PT 19	179.6	78.7	-3.0	-0.57	1.57	1.27	2.0	1.468321	0.038152	0.081023
	97.6	2.9413	30.11	644.053	1.34	3.28	-38.13	0.050005	-0.008148	-0.112949
	0.2638	0.0867	4.40	17.96	-0.27	-0.	1.5	1.4661	1.66977	-0.08937
	2032.09	98.0	138.9	135.9	-0.57	2.82	-0.62	0.04749	15.8957	-0.00398
	0.0021	103.1	4.24	4.08	5.12243	-0.1045	0.158997	-0.166047	-0.012095	-0.177097
			0.000	18.390						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2E 3C 4P 5E 6E 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA RAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPM CPO/S	CXP/S CMZ/S CTM CPR100 CQ/S	CYP/S CMX/S CM CL*PM CQQ/S
RUN 3E										
PT 1E	179.5	79.5	-2.9	-0.57	1.56	1.46	2.0	1.806425	0.019862	0.082808
	97.5	2.9177	30.11	807.770	1.32	5.05	-81.83	0.004678	-0.005235	-0.117089
	0.2638	C.0904	7.92	20.58	0.08	-0.	0.6	1.8046	1.94935	-0.08289
	2032.11	100.0	197.7	188.6	-0.90	4.04	-0.33	-0.02076	35.5025	0.00080
	0.0021	104.1	6.27	6.01	9.31523	-0.6461	0.355025	-0.144954	-0.009318	-0.147812
			0.000	44.134						
PT 2E	180.0	79.5	-2.9	-0.57	1.55	1.45	2.0	1.820765	0.021386	0.085106
	97.4	2.9199	30.11	788.503	1.32	4.85	-73.11	0.019566	-0.001971	-0.120838
	0.2636	C.0903	7.82	20.46	0.05	-0.	0.7	1.8189	2.06516	-0.09492
	2032.20	101.0	182.7	179.1	-0.78	3.91	-0.35	0.01658	32.6689	-0.03158
	0.0021	104.0	6.11	5.86	8.89208	-1.0272	0.326689	-0.154482	-0.006137	-0.150347
			0.000	41.902						
PT 2I	180.1	80.0	-2.9	-0.57	1.56	1.44	2.0	1.767064	0.016885	0.080078
	97.4	2.9024	30.11	776.152	1.33	4.65	-83.30	0.061806	-0.002848	-0.058823
	0.2635	C.0908	7.72	20.39	0.22	-0.	0.5	1.7654	1.95835	-0.07854
	2032.27	102.0	183.0	191.4	-0.77	3.81	-0.28	0.03603	29.9032	-0.00685
	0.0021	104.7	5.94	5.70	8.40819	-1.2564	0.299032	-0.139047	-0.006295	-0.132778
			0.000	39.761						
PT 22	179.9	80.0	-2.9	-0.57	1.55	1.44	2.0	1.771040	0.025310	0.070088
	97.7	2.8555	30.11	789.552	1.33	4.85	-58.99	0.061864	-0.009659	-0.089576
	0.2633	0.0908	7.72	20.36	0.21	-0.	0.8	1.7691	2.05466	-0.08710
	2032.46	102.0	182.4	181.1	-0.75	3.89	-0.43	0.05749	31.6794	-0.00665
	0.0021	104.7	6.09	5.84	8.76584	-1.3664	0.316794	-0.164954	-0.012779	-0.164070
			0.000	40.560						
PT 23	180.0	80.0	-2.9	-0.57	1.56	1.44	2.0	1.768410	0.019962	0.065234
	97.1	2.9010	30.11	786.319	1.32	4.80	-71.37	0.084465	-0.018493	-0.093464
	0.2632	C.0907	7.67	20.37	0.30	-0.	0.6	1.7666	2.00505	-0.08157
	2032.53	103.0	186.6	181.4	-0.70	4.02	-0.33	0.06711	30.0122	-0.00630
	0.0021	104.7	5.82	5.59	8.37370	-1.4260	0.300122	-0.149513	-0.021744	-0.156907
			0.000	39.003						

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*RR
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
PT 24	190.2	80.0	-2.9	-0.57	1.56	1.45	2.0	1.810398	0.029565	0.074014
	97.3	2.9039	30.11	785.333	1.32	4.78	-53.60	0.095950	-0.017032	-0.107547
	0.2634	C.0907	8.27	20.45	0.29	-0.	0.9	1.3083	2.08391	-0.09175
	2032.34	103.0	185.6	182.4	-0.70	3.91	-0.48	0.07027	33.4377	-0.01184
	0.0021	104.7	6.49	6.23	9.31958	-1.5078	0.334377	-0.179368	-0.020775	-0.185065
			0.000	43.946						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2B 3F 4E 5F 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*RR
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCR100	CPPR100						
RUN 30										
PT 13	190.4	83.4	-3.1	-0.05	1.20	0.96	2.0	0.551797	0.024610	0.108622
	95.6	2.7F85	29.98	1082.638	1.27	-0.19	-28.44	0.094766	0.004684	-0.00P4P1
	0.2616	0.0938	-0.49	13.47	-0.01	0.	2.6	0.5506	1.08949	-0.04385
	2024.83	112.0	136.6	125.8	0.06	-0.46	-0.45	0.08178	-41.0599	0.09254
	0.0021	109.2	-4.46	-4.43	-8.57381	1.4532	-0.410599	-0.061957	0.004385	-0.072103
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2B 3C 4E 5E 6C 7G

	VKTS OPSF MTUN PST RHO100	RPM V/DP TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*PH COO/S
RUN 38 PT 13	180.3 98.6 0.2652 2031.08 0.0021	80.0 2.9050 0.0913 96.0 104.7	-3.1 30.11 4.71 136.9 4.57 0.000	0.02 624.300 18.16 134.6 4.39 19.637	1.58 1.34 -0.51 -0.58 5.16180	1.29 3.06 -0. 2.77 -0.0565	2.0 -37.42 1.5 -0.64 0.153279	1.436163 0.026961 1.4340 -0.00604 -0.162618	0.038183 -0.009790 1.68869 15.3279 -0.013469	0.058650 -0.105315 -0.08820 -0.00515 -0.175521

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2B 3C 4E 5E 6C 7G

	VKTS OPSF MTUN PST RHO100	RPM V/DP TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PH COO/S
RUN 38 PT 16	180.3 98.4 0.2650 2031.25 0.0021	79.7 2.5174 0.0908 97.0 104.3	-3.0 30.11 4.86 138.6 4.72 0.000	0.59 659.446 18.07 135.9 4.54 20.230	1.57 1.34 -0.42 -0.54 5.69017	1.28 3.46 -0. 2.95 0.0653	2.0 -34.32 1.7 -0.68 0.180556	1.387644 0.041382 1.3854 0.01053 -0.165479	0.040652 -0.003252 1.63725 18.0556 -0.005494	0.049912 -0.064011 -0.08906 0.01282 -0.171616

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2E 3E 4E 5E 6C 7G

	VKTS QPSF MTUN PST RHO100	PPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPD/S	CXR/S CMZ/S CTH CPR100 CQ/S	CYR/S CMX/S CH CL*RM CQC/S
RUN 38										
PT 15	180.1	79.5	-0.9	0.62	1.58	1.27	2.0	1.477595	0.055005	0.036463
	58.2	2.5204	30.11	650.917	1.34	3.36	-27.70	0.067243	-0.006844	-0.004221
	0.2647	0.0506	4.35	17.90	0.13	-0.	2.1	1.4748	1.75913	-0.12654
	2031.46	97.0	138.2	135.5	-0.69	2.80	-0.91	0.06011	14.2803	-0.01149
	0.0021	104.1	3.68	3.55	4.41159	0.4833	0.142803	-0.209641	-0.009918	-0.226333
			0.000	15.331						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2C 3E 4E 5E 6C 7G

	VKTS QPSF MTUN PST RHO100	PPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPD/S	CXR/S CMZ/S CTH CPR100 CQ/S	CYR/S CMX/S CH CL*RM CQC/S
RUN 36										
PT 9	180.3	179.4	-4.4	-0.55	1.59	1.27	2.0	0.199914	-0.002700	0.010492
	55.4	1.2954	29.93	679.053	1.35	3.39	58.07	-0.002339	0.002667	-0.005715
	0.2615	0.2019	4.33	17.81	-0.59	-0.	-0.6	0.1999	0.26647	-0.00678
	2021.53	112.0	188.6	190.7	-0.60	2.78	0.19	0.00443	1.3974	0.00137
	0.0021	234.9	3.37	3.26	0.85542	0.1609	0.013974	0.002238	0.002326	0.002955
			0.000	1.356						
RUN 38										
PT 10	179.8	172.8	-4.2	-0.57	1.58	1.27	2.0	0.220961	0.003663	0.007409
	58.6	1.3418	30.11	692.067	1.34	3.58	-100.12	0.003836	0.001215	-0.015383
	0.2653	0.1977	4.66	17.95	-0.55	-0.	0.9	0.2207	0.28718	-0.03137
	2031.04	93.0	175.5	176.2	-0.54	2.80	-0.29	0.00872	1.9436	0.00565
	0.0021	226.2	4.28	4.11	1.14275	0.1954	0.019436	-0.005582	0.000678	-0.006456
			0.000	1.855						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2C 3B 4B 5E 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYR/S
	OPSF	V/OR	RAP	VJR	XTFL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPP	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPR100	CL*RH
	RHO100	CMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CQ/S	CQO/S
			CPCR100	CPPR100						
RUN 36										
PT 6	179.8	174.4	-4.2	-0.57	1.58	1.46	2.0	0.298602	0.000673	0.001932
	98.7	1.3292	30.11	812.218	1.34	5.24	-307.31	0.019723	-0.002373	-0.014893
	0.7655	0.1958	7.78	20.55	0.25	-0.	0.1	0.2984	0.34204	-0.01109
	2030.90	92.0	177.1	176.5	-0.59	4.29	-0.05	0.02147	3.2130	0.00015
	0.0021	228.3	5.97	5.72	1.82852	-0.0396	0.032130	-0.006122	-0.002891	-0.008617
			0.000	3.847						

DATA IP. THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2C 3A 4B 5E 6F 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA RAP PTC TEMPC WC CPCP100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUF100	RPC PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXR/S CMZ/S CTH CPR100 CD/S	CYP/S CMX/S CH CL*RH CDD/S
RUN 36										
PT 3	180.6	179.3	-4.4	-0.55	1.60	1.52	2.0	0.282143	-0.004123	0.007169
	95.3	1.2989	29.93	833.387	1.36	5.46	67.80	-0.001801	0.003243	-0.014286
	0.2613	0.2012	8.86	21.40	0.24	-0.	-0.8	0.2821	0.32832	-0.00573
	2021.64	115.0	194.5	135.0	-0.81	4.84	0.35	0.00272	3.6786	-0.00248
	0.0020	234.7	6.66	6.38	2.06951	0.0050	0.036786	0.000991	0.002743	0.003684
			0.000	4.652						
RUN 33										
PT 3	181.3	171.8	-4.2	-0.57	1.58	1.53	2.0	0.313110	-0.001165	0.007264
	101.3	1.3608	30.11	860.544	1.33	6.03	144.98	-0.002201	0.000856	-0.015697
	0.2691	0.1977	8.85	21.61	0.18	-0.	-0.2	0.3130	0.36646	-0.00976
	2028.38	87.0	177.1	176.8	-0.80	4.93	0.09	0.00349	4.4379	-0.001[illegible]
	0.0022	224.9	6.79	6.50	2.24930	0.1354	0.044379	-0.002250	0.000307	-0.003256
			0.000	5.116						
PT 4	181.0	172.2	-4.2	-0.57	1.58	1.53	2.0	0.318065	-0.003012	0.007267
	100.7	1.3553	30.11	862.329	1.34	6.05	115.29	0.014587	-0.002445	-0.016739
	0.2683	0.1980	9.20	21.58	0.28	-0.	-0.5	0.3180	0.37964	-0.00809
	2028.91	88.0	180.4	177.8	-0.64	5.01	0.23	0.01762	4.5838	-0.00447
	0.0022	225.4	7.29	6.98	2.41447	-0.0344	0.045838	-0.001637	-0.003027	-0.004320
			0.000	5.458						
PT 5	181.0	172.5	-4.2	-0.57	1.57	1.53	2.0	0.353842	-0.000346	0.000676
	100.7	1.3530	30.11	846.360	1.34	5.77	323.58	0.005516	0.000903	-0.032356
	0.2683	0.1983	8.95	21.55	0.01	-0.	-0.1	0.3536	0.39741	-0.01200
	2028.96	88.0	176.2	177.8	-0.64	4.74	0.03	0.00914	4.2584	-0.01984
	0.0022	225.7	6.84	6.56	2.21772	0.1012	0.042584	-0.005185	-0.003227	-0.006423
			0.000	5.087						
PT 6	181.0	172.6	-4.2	-0.57	1.57	1.53	2.0	0.304996	-0.002359	0.005028
	100.6	1.3522	30.11	863.756	1.33	6.10	113.15	0.009048	-0.001218	-0.008896
	0.2681	0.1983	8.80	21.50	0.28	-0.	-0.4	0.3049	0.37313	-0.00920
	2029.05	89.0	170.6	175.8	-0.66	4.98	0.18	0.01261	4.2536	0.00904
	0.0022	226.0	6.66	6.38	2.20200	0.0454	0.042537	-0.001310	-0.001510	-0.003275
			0.000	4.903						

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COO/S
PT 7	181.0 100.6 0.2681 2029.08 0.0022	171.6 1.3604 0.1571 89.0 224.6	-4.2 30.11 8.85 174.8 6.67 0.000	-0.57 860.698 21.58 175.5 6.39 5.038	1.58 1.33 0.15 -0.75 2.22506	1.53 6.05 -0. 5.00 0.1423	2.0 81.32 -0.5 0.21 0.044059	0.407535 -0.002614 0.3074 0.00040 0.000139	-0.002736 0.000315 0.36186 4.4059 -0.000143	0.006519 -0.013114 -0.00900 0.00243 -0.001427
PT 8	181.2 100.4 0.2679 2029.19 0.0021	176.9 1.3210 0.2028 91.0 231.6	-4.2 30.11 9.10 176.2 7.00 0.000	-0.57 855.561 21.59 176.5 6.70 4.849	1.58 1.34 0.31 -0.67 2.18994	1.53 5.95 -0. 4.90 -0.0008	2.0 215.46 -0.3 0.11 0.040446	0.299023 0.013210 0.2989 0.01596 -0.003041	-0.001394 -0.002894 0.35076 4.0446 -0.003385	-0.000013 -0.014120 -0.00904 0.00094 -0.004419

DATA II. THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2C 3C 4E 5E 6A 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COO/S
RUN 30 PT 12	180.4 96.1 0.2624 2024.29 0.0021	179.6 1.2949 0.2026 109.0 235.2	-3.1 29.98 -0.29 134.0 -0.08 0.000	-0.08 1081.732 13.61 124.8 -0.08 0.000	1.31 1.11 -0.02 0.05 -0.03145	0.97 -0.11 0. -0.35 0.3116	2.0 769.59 1.7 -0.19 0.002393	0.076485 0.023581 0.0763 -0.01740 -0.000196	0.002307 0.002179 0.18607 0.2393 0.002165	0.011445 -0.000951 -0.00497 0.01127 -0.001168

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2F 3G 4B 5E 6C 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COD/S
			CPCR100	CPPR100						
RUN 34										
PT 1?	180.4	260.0	-4.4	-0.59	1.56	1.24	2.0	0.057368	-0.002465	0.005002
	97.6	0.8944	29.95	605.873	1.33	2.70	10.79	0.000756	0.002133	0.002767
	0.2647	0.2959	3.90	17.37	-0.51	-0.	-2.5	0.0574	0.09068	0.00066
	2020.68	99.0	171.9	154.4	-0.28	2.79	0.44	0.02660	0.60??	0.00645
	0.0021	340.4	3.78	3.64	0.39749	0.2549	0.006092	0.004489	0.002211	0.004151
			0.000	0.427						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2F 3G 4B 5E 6C 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	COD/S
			CPCR100	CPPR100						
RUN 34										
PT 11	180.3	259.7	-3.1	-0.59	1.54	1.25	2.0	0.076264	-0.002566	0.002883
	97.9	0.8951	29.95	579.391	1.30	2.55	15.27	0.003275	0.001649	-0.004393
	0.2650	0.2961	3.40	17.51	0.35	-0.	-1.9	0.0743	0.10723	-0.00010
	2020.42	97.0	155.6	138.6	-0.74	2.90	0.45	0.02937	0.5282	-0.00189
	0.0021	340.0	3.64	3.50	0.36497	0.2172	0.005282	0.004001	0.001495	0.003324
			0.000	0.408						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2D 3C 4E 5C 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CD/S	CDD/S
			CPCR100	CPPR100						
RUN 33										
PT 11	181.1	262.1	-3.1	-0.05	0.36	0.96	2.0	0.011438	-0.031541	0.005929
	97.3	0.8909	29.98	1074.147	1.36	-0.20	2.20	0.009911	0.002523	0.001029
	0.2641	0.2964	-0.18	13.55	-0.03	0.	-7.7	0.0115	0.06802	0.00114
	2023.13	100.0	113.7	116.7	0.04	-0.24	0.27	0.01344	0.8242	0.00738
	0.0021	343.1	1.69	1.65	0.31791	0.3265	0.008242	0.004627	0.002557	0.003919
			0.030	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2E 3B 4B 5E 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CD/S	CDD/S
			CPCR100	CPPR100						
RUN 34										
PT 13	180.3	269.9	-4.4	-0.59	1.57	1.50	2.0	0.086873	-0.004079	0.003294
	97.6	0.8614	29.95	812.665	1.34	5.40	13.23	0.000090	0.001218	-0.003728
	0.2646	0.3072	7.87	23.98	0.33	-0.	-2.7	0.0870	0.10658	0.00104
	2020.72	99.0	127.4	158.5	-0.78	5.17	0.78	0.02262	1.0975	0.00300
	0.0021	353.3	5.90	5.65	0.76794	0.2144	0.010975	0.005026	0.001192	0.004975
			0.000	1.079						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2F 3H 4P 5L 6F 7G

	VKTS	RPM	THETA	X2P	XLEL	PPC	ALFS,C	CLF/S	CXF/S	CYF/S
	QPSF	V/OR	PAF	VJP	XTEL	PTKT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PTSSL	ANGY/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMFH	CPP100	CLMPH
	RHC100	OMEGOR	WC	WP	CMUP100	CPSICO	CP/S	CPO/S	CQ/S	CDC/S
			CPCF100	CFPW100						
RUN 36										
PT 3	180.3	268.4	-4.4	-0.56	1.58	1.63	2.0	0.101873	-0.005459	0.001665
	57.9	0.8663	29.93	935.471	1.35	7.30	13.86	0.002545	0.001056	-0.007517
	0.2451	0.3060	10.94	27.88	0.45	-0.	-3.1	0.1020	0.12833	0.02159
	2015.05	57.0	209.2	145.0	-0.77	6.26	1.03	0.00796	1.6688	-0.03027
	0.0021	351.3	7.48	7.17	1.13036	0.1638	0.016688	0.005505	0.000967	0.004834
			0.000	1.741						
PT 4	180.1	271.0	-4.4	-0.55	1.58	1.51	2.0	0.094873	-0.003921	-0.001614
	56.8	0.8570	29.93	851.607	1.35	5.80	18.72	0.015546	0.000018	-0.005779
	0.2836	0.3075	8.62	21.20	0.41	-0.	-2.4	0.0950	0.17447	0.00361
	2020.10	102.0	182.0	181.4	-0.44	5.19	0.75	0.01805	1.1535	-0.00151
	0.0021	354.7	6.46	6.15	0.87893	0.0984	0.011535	0.003597	-0.000164	0.007439
			0.000	1.248						
PT 5	180.3	271.7	-4.4	-0.55	1.59	1.51	2.0	0.104381	-0.003156	-0.003641
	96.3	0.8554	29.93	847.086	1.35	5.72	20.93	0.002509	0.002316	-0.003987
	0.2628	0.3073	8.82	21.22	0.10	-0.	-1.7	0.1044	0.13741	-0.00947
	2020.59	104.0	178.1	181.7	-0.60	5.00	0.61	0.00630	1.2393	-0.01683
	0.0021	355.7	6.71	6.43	0.90926	0.1565	0.012393	0.003348	0.001966	0.003749
			0.000	1.297						
PT 6	180.2	270.9	-4.4	-0.55	1.59	1.52	2.0	0.066753	-0.004635	0.003658
	96.0	0.8578	29.93	845.170	1.35	5.69	11.12	0.010750	0.001103	0.005357
	0.2623	0.3058	9.57	21.35	0.56	-0.	-4.0	0.0469	0.09718	0.00730
	2020.54	108.0	178.1	181.4	-0.66	5.23	0.89	0.01494	1.2323	0.00512
	0.0021	354.6	6.86	6.57	0.93593	0.1171	0.012323	0.004773	0.001285	0.004951
			0.000	1.359						
PT 7	180.3	270.5	-4.4	-0.55	1.58	1.51	2.0	0.092656	-0.003475	0.000511
	95.9	0.8556	29.93	846.854	1.35	5.72	17.28	0.004146	0.001480	-0.007714
	0.2623	0.3051	8.76	21.14	0.32	-0.	-2.1	0.0928	0.12149	0.00074
	2020.39	109.0	175.8	181.7	-0.67	5.00	0.66	0.00779	1.2948	0.00015
	0.0021	354.1	6.89	6.61	0.94713	0.1623	0.012948	0.003890	0.001350	0.003617
			0.000	1.344						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1= 2= 3= 4= 5= 6= 7=

	VKTS GPSE WTUN PST RHO100	RPM V/OR TIPM TEMP OMEG**2	THETA R&R PTC TEMPC WC CPCP100	X2P VJP PTP TEMPP WP CPP2100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS.C L/D ARGX/L FE CP/S	CL**/S CMY/S CT C**CH CPO/S	CXP/S CMZ/S CTH CPE100 CO/S	CYR/S CMX/S CM CL**M CQO/S
RUN 32										
PT 9	180.4 96.3 0.2629 2019.22 0.0021	321.3 0.7242 0.3630 107.0 420.6	-4.0 29.91 6.65 192.5 5.15 0.000	-0.56 761.041 20.29 183.3 4.94 0.544	-0.02 1.33 0.13 -0.80 0.44992	1.45 4.39 -0. 4.22 0.1983	2.0 8.53 -3.8 0.95 0.006054	0.053288 -0.002091 0.0534 -0.00015 0.004240	-0.003507 0.002362 0.06700 0.6054 0.002270	0.003170 -0.002572 0.00165 0.00133 0.004529
PT 10	180.3 96.1 0.2626 2019.41 0.0021	319.8 0.7268 0.3613 107.0 418.6	-4.0 29.91 6.70 191.2 5.22 0.000	-0.55 775.064 20.44 183.0 5.00 0.569	-0.02 1.33 0.19 -0.89 0.46833	1.46 4.59 -0. 4.35 0.2270	2.0 8.50 -3.4 0.84 0.006606	0.053068 -0.002203 0.0531 -0.00036 0.004259	-0.003120 0.002100 0.05854 0.6606 0.002034	0.003331 -0.002701 0.00127 0.00091 0.003997
PT 11	180.4 96.1 0.2626 2019.41 0.0021	319.6 0.7279 0.3608 108.0 418.3	-4.4 29.91 6.55 194.8 4.95 0.000	-0.55 760.517 20.26 183.3 4.75 0.531	-0.02 1.33 -0.20 -0.64 0.43796	1.45 4.39 -0. 4.22 0.2168	2.0 8.38 -3.6 0.89 0.006151	0.052842 -0.000540 0.0529 0.00118 0.004312	-0.003324 0.002041 0.06305 0.6151 0.001941	0.002678 -0.002825 0.00149 0.00068 0.004085

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1C 2F 3B 4B 5C 6F 7G

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLR/S	CYP/S	CYR/S
	CPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPH100	CL*PH
	PHO100	CMEG*R	WC	WP	CMUP100	CPS100	CP/S	CPU/S	CO/S	CDU/S
			CPCP100	CPPR100						
RUN 32										
PT 12	180.9	319.6	-4.4	-0.55	-0.03	1.67	2.0	0.064478	-0.004660	0.003042
	56.1	0.7256	29.91	892.483	1.34	6.57	8.80	-0.003234	0.002161	-0.003560
	0.2026	0.3555	10.12	23.35	0.27	-0.	-4.1	0.0646	0.07195	0.00241
	2019.43	111.0	144.1	177.8	-0.85	6.02	1.24	-0.00124	0.9808	0.00041
	0.0021	418.4	7.09	6.78	0.73716	0.1946	0.009808	0.004936	0.002035	0.005025
			0.000	1.025						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2F 3G 4F 5E 6D 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA PAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPP2100	XLEL XTEL XR XP CMUR100	RPO PTPT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPC/S	CXR/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*PM CDO/S
RUN 39										
PT 6	180.1	322.1	-3.8	-0.60	1.58	1.39	2.0	0.054583	-0.003656	0.000013
	99.9	0.7207	29.95	733.231	1.34	4.19	9.06	0.002385	0.000791	-0.002037
	0.2664	0.3696	6.37	19.55	0.26	-0.	-3.8	0.0547	0.06951	0.00175
	2019.46	90.0	185.0	182.1	-0.61	4.34	1.00	0.01953	0.5296	-0.00037
	0.0021	421.7	4.94	4.75	0.40223	0.1709	0.005206	0.004047	0.000719	0.003057
			0.000	0.440						
PT 14	179.7	319.8	-3.9	-0.59	1.58	1.38	2.0	0.049905	-0.003883	0.002226
	97.8	0.7246	29.95	749.456	1.34	4.35	7.77	0.002438	0.001253	-0.001459
	0.2645	0.3656	6.06	19.31	0.28	-0.	-4.5	0.0490	0.06445	0.00217
	2020.49	94.0	175.8	169.0	-0.64	4.28	1.05	0.01950	0.5593	0.00137
	0.0021	418.7	5.06	4.86	0.42980	0.1746	0.005593	0.004322	0.001201	0.003777
			0.000	0.452						
PT 15	179.6	320.5	-4.0	-0.59	1.58	1.39	2.0	0.061403	-0.004273	-0.000600
	97.5	0.7227	29.95	755.073	1.34	4.45	9.66	0.003991	0.000259	-0.004527
	0.2645	0.3660	6.31	19.57	0.08	-0.	-4.0	0.0615	0.07953	0.00213
	2020.79	95.0	170.6	156.7	-0.38	4.41	1.16	0.02217	0.5235	-0.00247
	0.0021	419.5	4.85	4.66	0.41442	0.1505	0.005235	0.004217	0.000987	0.002759
			0.000	0.447						
PT 17	179.6	320.0	-3.9	-0.59	1.57	1.40	2.0	0.055957	-0.004677	-0.000451
	97.0	0.7235	29.95	762.468	1.35	4.25	8.55	0.002322	0.000173	-0.003269
	0.2637	0.3645	6.51	19.59	0.20	-0.	-4.8	0.0561	0.08414	0.00272
	2021.35	98.0	235.6	204.9	-0.59	4.25	1.26	0.02033	0.5565	-0.00112
	0.0021	418.9	5.33	5.11	0.46233	0.1357	0.005565	0.004429	0.000859	0.003131
			0.000	0.525						
RUN 41										
PT 13	179.7	320.7	-3.8	-0.54	1.56	1.33	2.0	0.050735	-0.001519	0.003101
	93.9	0.7227	29.95	726.721	1.32	4.03	10.36	-0.002969	0.002887	-0.003493
	0.2593	0.3588	5.58	18.76	-0.01	-0.	-1.7	0.0508	0.07317	-0.00025
	2024.39	118.0	175.5	172.9	-0.83	3.71	0.41	-0.00374	0.6165	0.00037
	0.0020	419.8	5.04	4.84	0.42998	0.2443	0.006165	0.003284	0.002764	0.003605
			0.000	0.424						

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FF CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COO/S
PT 14	179.6 97.8 0.2592 2024.48 0.0020	320.4 0.7229 0.3585 118.0 415.4	-4.4 29.95 5.63 174.5 4.93 0.000	-0.54 716.748 18.69 172.6 4.74 0.411	1.56 1.32 -0.39 -0.58 0.41572	1.33 3.90 -0. 3.55 0.2295	2.0 10.76 -1.7 0.39 0.005847	0.049474 -0.000054 0.0495 0.00125 0.003082	-0.001426 0.002798 0.07804 0.5847 0.302753	0.002301 -0.001240 -0.00030 0.00030 0.003540

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2F 3A 4P 5E 6E 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FF CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*RH COO/S
RUN 34 PT 16	179.5 97.3 0.2642 2021.03 0.0321	319.2 0.7253 0.3642 [illegible]0 417.8	-3.9 29.95 6.51 209.5 5.51 0.000	-0.59 763.072 19.67 199.0 5.28 0.546	1.58 1.35 0.34 -0.67 0.47868	1.40 4.30 -0. 4.33 0.1529	2.0 6.96 -5.6 1.25 0.005900	0.046974 0.001743 0.0471 0.01958 0.004676	-0.004641 0.000473 0.06643 0.5900 0.003483	0.001139 0.000314 0.00300 0.01263 0.003630

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2F 3R 4R 5E 6F 7G

		VKTS QPSF PTUN PST RHO100	RPM V/OR TIPM TEMP CMEG**R	THETA RAP PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XP XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLF/S CMY/S CT CMPH CPD/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CM CL*PH COD/S
RUN 34											
PT	3	181.3	320.3	-4.4	-0.60	1.53	1.63	2.0	0.068176	-0.004948	0.000291
		101.0	0.7258	29.89	896.635	1.31	6.68	9.84	-0.001048	0.001318	-0.002235
		0.2698	0.3697	10.01	22.82	0.23	-0.	-4.2	0.00683	0.07657	0.00257
		2013.05	84.0	147.4	173.9	-0.75	6.26	1.31	0.01515	0.9716	-0.00064
		0.0022	419.3	7.24	6.93	0.72018	0.2016	0.009716	0.005169	0.001239	0.000397
				0.000	0.953						
PT	4	180.7	320.3	-4.4	-0.60	1.54	1.72	2.0	0.072704	-0.005404	-0.000318
		100.2	0.7275	29.89	833.198	1.32	7.40	9.22	0.000679	0.000873	-0.002667
		0.2686	0.3692	11.21	23.99	0.34	-0.	-4.3	0.0728	0.07861	0.00286
		2013.89	85.0	155.6	174.5	-0.76	6.83	1.44	0.01687	1.0728	0.00005
		0.0022	419.3	7.73	7.40	0.80168	0.1806	0.010728	0.005213	0.000786	0.004194
				0.000	1.116						
PT	5	180.8	319.5	-4.4	-0.60	1.53	1.66	2.0	0.077559	-0.005461	-0.001240
		99.9	0.7296	29.89	903.514	1.31	6.84	9.82	0.000227	0.000727	-0.005308
		0.2682	0.3676	10.65	23.27	0.19	-0.	-4.0	0.0777	0.09441	0.00275
		2014.15	87.0	158.2	171.6	-0.67	6.38	1.45	0.01676	1.0212	-0.00324
		0.0021	418.2	7.71	7.38	0.78052	0.1781	0.010212	0.005172	0.000541	0.003937
				0.000	1.061						
PT	7	180.2	321.8	-4.4	-0.59	1.56	1.62	2.0	0.083772	-0.006033	-0.003694
		98.3	0.7222	29.95	869.505	1.34	6.28	10.01	0.001968	0.000387	-0.005628
		0.2657	0.3679	10.39	22.69	-0.05	-0.	-4.1	0.0839	0.09602	0.00311
		2015.58	94.0	124.2	167.0	-0.45	5.93	1.64	0.01971	0.9447	-0.00415
		0.0021	421.2	7.75	7.42	0.75203	0.1685	0.009447	0.005342	0.000051	0.003798
				0.000	0.993						
PT	8	180.1	320.7	-4.4	-0.59	1.58	1.62	2.0	0.055847	-0.005627	0.002305
		98.1	0.7243	29.95	877.502	1.34	6.43	6.92	0.001659	0.000709	0.003629
		0.2653	0.3663	9.94	22.76	0.50	-0.	-5.8	0.0560	0.05921	0.00367
		2020.76	95.0	129.7	167.0	-0.71	6.16	1.52	0.01900	0.8983	0.00767
		0.0021	419.8	6.98	6.69	0.69028	0.1768	0.008983	0.005533	0.000834	0.004599
				0.000	0.911						

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIP* TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJP PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUP100	PPO PTRT PTSSL PTSST CPS100	ALFS,C L/D ANGX/L FF CP/S	CLP/S CMY/S CT CMPH CPO/S	CXP/S CMZ/S CTH CPP100 CO/S	CYP/S CMX/S CH CL**2+ CDO/S
PT 7	180.4 98.3 0.2657 2019.58 0.0021	319.3 0.7285 0.3647 55.0 418.0	-4.4 29.95 9.74 138.6 7.49 0.000	-0.59 858.624 22.42 167.3 7.16 0.961	1.57 1.34 0.32 -0.52 0.72961	1.60 6.08 -0. 6.01 0.1470	2.0 8.42 -5.1 1.61 0.008964	0.067683 0.003581 0.0679 0.07210 0.005406	-0.006024 0.000430 0.08054 0.8564 0.000342	-0.001210 -0.002524 0.00366 0.00018 0.006279
PT 10	180.3 98.1 0.2654 2020.21 0.0021	319.3 0.7282 0.3644 56.0 418.0	-4.4 29.95 9.84 144.1 7.39 0.000	-0.59 877.092 22.83 168.3 7.29 0.945	1.56 1.34 0.22 -0.75 0.70711	1.63 6.41 -0. 6.16 0.1950	2.0 8.07 -4.8 1.49 0.009369	0.066739 -0.005449 0.0669 0.01346 0.005566	-0.005598 0.001574 0.08714 0.9368 0.001451	0.001190 -0.003501 0.00327 -0.00025 0.005987
RUN 41 PT 15	179.8 98.0 0.2592 2024.44 0.0020	322.0 0.7201 0.3600 119.0 421.5	-4.4 29.95 10.01 177.8 7.51 0.000	-0.54 914.241 23.08 185.0 7.19 1.059	1.56 1.31 0.24 -0.70 0.79722	1.64 6.90 -0. 5.72 0.1990	2.0 12.13 -2.5 0.84 0.010636	0.070933 0.000697 0.0710 0.03213 0.003707	-0.003083 0.002316 0.07363 1.0636 0.002218	0.000734 -0.002777 0.00061 -0.00030 0.003935
PT 18	180.0 98.9 0.2533 2024.41 0.0020	319.0 0.7277 0.3563 120.0 417.5	-3.7 29.95 10.46 181.7 7.42 0.000	-0.54 916.701 21.22 186.6 7.10 1.094	1.55 1.31 0.39 -0.78 0.80693	1.65 6.93 -0. 5.87 0.2159	2.0 13.39 -2.1 0.77 0.011017	0.077783 -0.000407 0.0778 0.00155 0.003657	-0.002882 0.002685 0.07606 1.1017 0.002517	0.001180 -0.004885 0.00017 -0.00241 0.004015

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1= 2F 3A 4C 5E 6F 7C

		VKTS QPSF PTUN PST PP2100	RPM V/OR TIPM TEMP CMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPP*100	XLEL XTEL X3 X9 CMUR100	RPD PT6T PT59L PT59T CPS100	ALFS,C L/D ANGX/L FF CP/S	CLP/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPP100 CQ/S	CYP/S CMX/S CH CL**+ CDD/S
RUN 35											
PT	3	181.9 93.6 0.2676 2017.28 0.0021	320.7 0.7311 0.3660 96.0 419.8	-4.4 29.93 9.44 151.6 6.96 0.000	-0.49 857.839 21.73 162.7 6.67 0.827	1.57 1.35 0.28 -0.54 0.67501	1.55 6.12 -0. 5.76 0.1652	2.0 8.14 -5.1 1.64 0.008548	0.069923 0.002221 0.0691 0.00778 0.005721	-0.006207 0.000070 0.09135 0.9548 0.000051	-0.000417 -0.000540 0.00380 0.00080 0.004121
PT	4	181.0 98.2 0.2656 2018.68 0.0021	318.9 0.7318 0.3630 99.0 417.5	-4.4 29.93 9.28 132.7 7.31 0.000	-0.49 848.816 21.55 163.1 7.01 0.871	1.57 1.34 0.30 -0.58 0.71260	1.54 5.96 -0. 5.59 0.1591	2.0 8.37 -5.0 1.53 0.008835	0.066685 0.001284 0.0668 0.00641 0.005385	-0.005785 0.000429 0.09348 0.8835 0.000386	-0.001026 -0.001220 0.00346 0.00134 0.004185
PT	5	180.4 96.8 0.2635 2020.15 0.0021	318.5 0.7303 0.3608 104.0 416.9	-4.4 29.93 8.87 138.2 6.82 0.000	-0.49 846.335 21.35 162.7 6.53 0.803	1.57 1.34 0.35 -0.63 0.66993	1.52 5.92 -0. 5.60 0.1619	2.0 8.15 -5.0 1.44 0.008420	0.062320 0.002266 0.0625 0.00647 0.005204	-0.005433 0.000827 0.07787 0.8420 0.000838	0.000462 0.000325 0.00326 0.00284 0.004423
PT	6	180.6 96.7 0.2634 2020.24 0.0021	320.1 0.7276 0.3620 106.0 419.0	-4.4 29.93 8.97 129.4 6.82 0.000	-0.49 852.117 21.35 165.0 6.54 0.798	1.58 1.34 0.19 -0.62 0.67080	1.52 6.00 -0. 5.50 0.1763	2.0 8.65 -4.6 1.44 0.008585	0.067560 -0.000368 0.0677 0.00649 0.005228	-0.005383 0.001044 0.06326 0.8585 0.000874	-0.000903 -0.001990 0.00307 -0.00022 0.004438

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2F 3A 4E 5C 6F 7G

	VKTS CPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPD/S	CXR/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*RH COD/S
RUN 32										
PT 7	180.5	319.2	-4.0	0.02	0.85	1.56	2.0	0.064150	-0.004850	0.002441
	96.7	0.7294	29.91	831.880	1.34	5.45	8.96	-0.003519	0.002230	-0.003397
	0.2635	0.3613	8.42	21.81	0.24	-0.	-4.3	0.0643	0.06566	0.00261
	2018.78	105.0	190.9	183.3	-0.74	5.21	1.29	-0.00117	0.7413	0.00011
	0.0021	417.8	5.97	5.72	0.57531	0.1686	0.007413	0.004817	0.002110	0.005241
			0.000	0.759						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2F 3J 4H 5C 6E 7G

	VKTS CPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPD/S	CXR/S CMZ/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*RH COD/S
RUN 32										
PT 8	180.3	320.1	-4.0	0.60	-0.02	1.45	2.0	0.055676	-0.003993	0.001341
	96.3	0.7263	29.91	764.905	1.33	4.44	8.81	-0.002747	0.001711	-0.003370
	0.2630	0.3621	6.76	20.29	-0.01	-0.	-4.1	0.0558	0.06645	0.00205
	2019.15	106.0	197.7	183.7	-0.66	4.04	1.07	0.00026	0.6324	0.00034
	0.0021	419.1	5.76	5.51	0.50760	0.1691	0.006324	0.004284	0.001592	0.004185
			0.000	0.613						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2E 3C 4E 5C 6A 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CRR/S CM CL*RF COO/S
RUN 32										
PT 6	179.3	319.9	-3.1	0.01	-0.01	1.04	2.0	0.001708	-0.002891	0.004496
	96.6	0.7227	29.93	1071.404	1.35	-0.25	0.25	0.006106	0.001947	0.001672
	0.2633	0.3644	-0.18	14.64	-0.38	0.	-59.4	0.0018	0.01407	0.00283
	2020.27	98.0	104.2	113.7	0.20	0.02	0.79	0.00904	0.4356	0.00783
	0.0021	418.7	0.98	0.96	0.12258	0.2787	0.004356	0.004876	0.002004	0.004093
			0.000	0.011						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3B 4E 5E 6A 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMRH CPO/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CRR/S CM CL*RF COO/S
RUN 30										
PT 7	180.8	330.0	-3.9	-0.02	1.16	0.97	2.0	-0.017862	-0.002435	0.006745
	99.0	0.7062	29.98	1048.573	1.34	-0.23	-2.51	0.004911	0.002743	0.002725
	0.2677	0.3791	-0.51	13.60	-0.03	0.	-172.2	-0.0178	0.01343	0.00306
	2020.58	89.0	86.6	89.5	-0.01	-0.04	0.69	0.00716	0.3163	0.01439
	0.0021	432.0	-0.10	-0.10	-0.01139	0.3301	0.003163	0.004589	0.003028	0.004716
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3B 4E 5E 6A 7J

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FF CP/S	CLP/S CMY/S CT CMRH CPO/S	CXP/S CMZ/S CTH CPP100 CO/S	CYP/S CMX/S CH CL*RH CDO/S
RUN 30										
PT 9	180.5	330.5	-3.9	-0.03	1.18	0.97	4.0	0.003917	-0.002084	0.002856
	98.5	0.7042	29.98	1049.820	1.35	-0.24	0.68	0.009776	0.001433	0.002972
	0.2662	0.3782	-0.37	13.63	-0.03	0.	-28.0	0.0041	0.03632	0.00121
	2021.54	93.0	103.9	90.8	-0.01	0.01	0.59	0.01125	0.3288	0.03659
	0.0021	432.6	0.53	0.52	0.06000	0.2560	0.003288	0.004926	0.001636	0.003102
			0.000	0.000						
PT 10	180.5	330.6	-4.4	-0.02	1.02	0.97	4.0	-0.003147	-0.002001	0.004275
	99.7	0.7041	29.98	1051.065	1.35	-0.19	-1.37	0.007727	0.001654	0.005741
	0.2661	0.3780	-0.22	13.63	-0.03	0.	-167.7	-0.0090	0.01866	0.00263
	2021.70	94.0	96.1	92.1	-0.00	-0.02	0.57	0.00887	0.4024	0.01636
	0.0021	432.8	0.54	0.53	0.06125	0.3280	0.004024	0.004681	0.002330	0.003730
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4E 5C 6E 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FF CP/S	CLP/S CMY/S CT CMRH CPO/S	CXP/S CMZ/S CTH CPP100 CO/S	CYP/S CMX/S CH CL*RH CDO/S
RUN 30										
PT 21	179.9	330.6	-3.2	-0.54	0.89	1.44	0.0	0.048753	-0.003548	0.002735
	93.5	0.7018	29.98	831.297	1.34	5.45	7.03	0.301607	0.002270	-0.002692
	0.2585	0.3683	8.39	20.34	0.44	-0.	-4.2	0.0489	0.07694	0.00355
	2026.98	123.0	195.1	184.3	-0.66	4.83	1.02	0.03454	0.8235	0.00955
	0.0020	432.7	6.61	6.34	0.61006	0.2375	0.008235	0.004621	0.002270	0.004516
			0.000	0.655						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3F 4E 5D 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CM7/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CM
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RM
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 30										
PT 4	180.9	332.3	-3.2	-0.02	0.86	0.57	2.0	-0.001705	-0.002157	0.006297
	100.2	0.7021	29.98	1047.324	1.34	-0.28	-0.28	0.007378	0.002160	0.001532
	0.2662	0.3620	-0.41	13.60	-0.03	0.	-128.3	-0.0016	0.02818	0.00221
	2020.23	88.0	82.0	88.2	-0.01	-0.03	0.62	0.00951	0.4087	0.00639
	0.0321	435.C	0.99	0.97	0.10988	0.2764	0.004087	0.004278	0.002212	0.003726
			0.000	0.000						

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4E 5D 6E 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CM7/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CM
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPR100	CL*RM
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 33										
PT 22	179.9	329.3	-3.1	0.02	0.97	1.45	0.0	0.000754	-0.003238	0.003433
	53.3	0.7046	29.58	811.947	1.33	5.17	7.57	-0.002221	0.002870	-0.002690
	0.2583	0.3665	7.94	20.35	0.34	-0.	-3.7	0.0508	0.07604	0.00324
	7027.12	124.0	189.9	181.4	-0.72	4.82	0.92	-0.00059	0.7806	0.00119
	0.0070	431.1	6.26	6.00	0.56978	0.2443	0.007809	0.004461	0.002870	0.004888
			0.000	0.630						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4E 5D 6E 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMRH CPO/S	CXR/S CMZ/S CTH CPS100 CO/S	CYR/S CMX/S CM CL*FH CDO/S
RUN 30 PT 20	179.7 93.5 0.2585 2026.33 0.0020	330.4 0.7012 0.3687 121.0 432.5	-3.2 29.98 7.94 183.3 6.06 0.000	0.00 819.273 20.51 172.9 5.81 0.602	0.97 1.33 0.59 -0.60 0.55036	1.46 5.37 -0. 5.01 0.1666	2.0 7.57 -5.3 1.56 0.006879	0.059056 0.003724 0.0592 0.00660 0.005118	-0.005435 0.001269 0.08652 0.6870 0.001916	0.001417 -0.001467 0.00337 0.00050 0.00466

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4E 5E 6A 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPS100 CO/S	CYR/S CMX/S CM CL*FH CDO/S
RUN 30 PT 9	140.6 100.7 0.2689 2019.74 0.0022	329.7 0.7062 0.3808 83.0 431.6	-3.3 29.98 -0.36 85.5 1.32 0.000	-0.01 1045.449 13.62 86.3 1.30 0.000	1.10 1.33 -0.02 0.00 0.14825	0.97 -0.30 0. -0.03 0.3133	0.0 -3.61 -173.9 0.80 0.004929	-0.026261 0.002629 -0.0243 0.00504 0.005061	-0.002830 0.003270 0.00402 0.4920 0.003270	0.007308 0.005609 0.00283 0.01537 0.005190

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4E 5F 6A 7J

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXP/S CMZ/S CTH CPP100 CO/S	CYR/S CMX/S CH CL*RH CDO/S
RUN 30										
PT 8	180.6	331.5	-3.2	-0.03	1.19	0.97	4.0	0.016102	-0.002306	0.000530
	99.2	0.7025	29.98	1047.324	1.34	-0.26	3.13	0.010116	0.000857	-0.001911
	0.7667	0.3757	-0.42	13.59	-0.04	0.	-8.2	0.0162	0.05625	0.00118
	2021.28	97.0	111.8	38.2	-0.01	0.14	0.66	0.01360	0.1864	0.00015
	0.0021	433.9	-0.09	-0.09	-0.01040	0.1990	0.001864	0.003583	0.000722	0.002315
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4E 5E 6C 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXP/S CMZ/S CTH CPP100 CO/S	CYP/S CMX/S CH CL*RH CDO/S
RUN 30										
PT 15	180.6	326.9	-3.1	-0.04	1.07	1.21	2.0	0.044117	-0.002606	0.001155
	94.9	0.7123	29.98	606.139	1.34	2.78	8.02	0.002064	0.001500	-0.004190
	0.7605	0.3657	3.58	16.55	0.09	-0.	-3.4	0.0442	0.07427	0.00106
	2025.58	118.0	148.4	148.0	-0.86	2.88	0.73	0.00396	0.3628	-0.00227
	0.0020	427.9	3.21	3.10	0.22100	0.2062	0.003628	0.003722	0.001346	0.003005
			0.000	0.162						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4F 5D 6C 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FF	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	MC	MP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CDD/S
			CPCR100	CPPR100						
RUN 30										
PT 1F	179.6	329.9	-3.1	0.61	0.98	1.21	2.0	0.040133	-0.003126	0.002543
	93.6	0.7020	29.98	630.248	1.34	2.90	6.74	0.001253	0.001984	-0.002865
	C.2587	C.3685	3.92	17.00	0.24	-0.	-4.5	0.0402	0.06683	0.00172
	2026.82	120.0	191.2	174.2	-0.89	2.66	0.90	0.00321	0.4163	0.00017
	0.0020	431.9	4.26	4.09	0.29842	0.1965	0.004163	0.004014	0.001883	0.002917
			0.000	0.219						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3C 4F 5E 6C 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FF	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	MC	MP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CDD/S
			CPCR100	CPPR100						
RUN 30										
PT 1F	179.9	330.0	-3.1	0.61	1.06	1.21	2.0	0.037286	-0.003094	0.002364
	93.8	0.7025	29.98	632.109	1.34	2.93	6.23	0.001616	0.001820	-0.002026
	C.2585	C.3686	3.67	17.06	0.27	-0.	-4.7	0.0374	0.07220	0.00179
	2026.68	120.0	185.6	172.9	-0.89	2.69	0.89	0.00330	0.3476	-0.00033
	0.0020	432.0	2.79	2.70	0.19774	0.2030	0.003476	0.004060	0.001748	0.003776
			0.000	0.147						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3D 4E 5E 6A 7E

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGY/L FE CP/S	CLP/S CMY/S CT CMPH CPI /S	CXP/S CM7/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*PH COD/S
RUN 30										
PT 3	182.1	330.0	-2.2	-0.00	1.24	0.97	0.0	-0.003024	-0.001388	0.004169
	102.5	0.7114	29.98	1043.257	1.34	-0.26	-0.43	0.003373	0.002388	-0.000515
	0.2715	0.3816	-0.29	13.61	-0.02	0.	-145.5	-0.3020	0.02932	0.00136
	2017.95	92.0	89.9	84.0	0.01	-0.02	0.39	0.00860	0.4841	0.00451
	0.0022	432.0	1.84	1.80	0.20366	0.2381	0.004641	0.003369	0.002388	0.003376
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2G 3D 4E 5F 6A 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGY/L FE CP/S	CLP/S CMY/S CT CMPH CPI /S	CXP/S CM7/S CTH CPR100 CO/S	CYP/S CMX/S CH CL*PH COD/S
RUN 30										
PT 5	180.9	330.4	-2.0	-0.02	1.12	0.97	2.0	0.018855	-0.002210	0.003669
	100.6	0.7061	29.98	1044.823	1.34	-0.18	3.56	0.009926	0.001182	-0.003048
	0.2687	0.3805	-0.41	13.60	-0.02	0.	-6.7	0.0189	0.05164	0.00155
	2019.88	86.0	111.1	85.6	-0.00	0.02	0.63	0.01265	0.3969	-0.00237
	0.0022	432.5	1.32	1.30	0.14801	0.2181	0.003969	0.003705	0.002970	0.002695
			0.000	0.000						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2H 3B 4E 5C 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMBH	CPB100	CL*BH
	RHO100	OMEG*R	WC	WP	CMUR100	QPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 32										
PT 5	180.6	346.0	-3.8	0.02	-0.01	1.04	2.0	-0.016085	-0.002364	0.005633
	98.0	0.6758	29.93	1070.182	1.34	-0.24	-7.32	0.004164	0.002511	0.008663
	0.2653	0.3926	-0.38	14.55	-0.09	0.	-171.6	-0.0160	0.00247	0.00252
	2018.91	98.0	101.9	112.4	0.00	0.18	0.73	0.00730	0.2979	0.01244
	0.0021	451.1	-0.08	-0.08	-0.00929	0.3089	0.002979	0.004659	0.002805	0.006374
			0.000	-0.001						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2H 3C 4E 5C 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	PAR	VJP	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMBH	CPB100	CL*BH
	RHO100	OMEG*R	WC	WP	CMUR100	QPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCP100	CPPR100						
RUN 32										
PT 4	180.6	346.3	-3.2	0.01	-0.01	1.03	2.0	-0.001284	-0.002534	0.003943
	98.1	0.6724	29.93	1068.959	1.34	-0.14	-0.20	0.006072	0.001741	0.002955
	0.2655	0.3568	-0.48	14.50	-0.07	0.	-116.9	-0.0012	0.01862	0.01259
	2018.77	97.0	107.2	111.1	0.01	0.11	0.79	0.00932	0.3306	0.01548
	0.0021	453.3	0.51	0.50	0.05435	0.2665	0.003306	0.004369	0.001843	0.003547
			0.000	0.004						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2H 3D 4E 5C 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/QR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XP	PT59L	ANGX/L	CT	CTH	CM
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*RF
	RHO100	OMEGAR	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CQQ/S
			CPCR100	CPPR100						
RUN 32										
PT 3	180.7	345.7	-2.1	0.00	-0.01	1.04	2.0	0.016744	-0.002184	0.000739
	98.4	0.6740	29.93	1068.853	1.35	-0.22	3.06	0.009466	0.001152	-0.006249
	0.2659	0.3945	-0.17	14.51	-0.11	0.	-7.4	0.0168	0.03267	0.00160
	2018.49	56.0	105.5	110.8	-0.19	0.11	0.69	0.01155	-0.1583	-0.00101
	0.0021	452.5	-2.99	-2.97	-0.32167	0.2215	-0.001583	0.003657	0.001003	0.002445
			0.000	-0.022						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2I 3A 4P 5E 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	RPD	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/QR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XP	PT59L	ANGX/L	CT	CTH	CM
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*RF
	RHO100	OMEGAR	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CQ/S	CQQ/S
			CPCR100	CPPR100						
RUN 40										
PT 11	179.5	379.6	-4.5	-0.69	1.57	1.46	2.0	0.038697	-0.001556	-0.001462
	99.3	0.6111	29.98	795.602	1.31	4.99	7.12	-0.000160	0.001854	-0.001455
	0.2669	0.4367	7.58	20.45	-0.71	-0.	-2.3	0.0387	0.05794	0.03020
	2021.17	87.0	173.9	172.9	-0.31	4.50	0.59	0.00098	0.5447	-0.00093
	0.0022	496.9	6.09	5.84	0.38400	0.2373	0.005447	0.003147	0.001842	0.002617
			0.000	0.376						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2I 3A 4P 5E 6F 7G

	VKTS QPSF PTUN PST RHO100	RPM V/QR T/PM TEMP CMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	PPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLR/S CMY/S CT CMPH CPO/S	CXR/S CMZ/S CTH CPP100 CO/S	CYR/S CMX/S CH CL*RH CSO/S
RUN 40										
PT 12	180.1 99.3 0.2669 2021.14 0.0021	379.3 0.6122 0.4360 89.0 496.4	-4.5 29.98 10.05 150.3 7.52 0.000	-0.69 903.822 22.50 172.2 7.20 0.577	1.55 1.30 -0.14 -0.52 0.54008	1.60 6.86 -0. 5.83 0.2534	2.0 7.29 -2.9 0.92 0.007450	0.048037 -0.001881 0.0481 0.00061 0.003763	-0.002452 0.002320 0.07475 0.7450 0.002279	-0.000986 -0.001127 0.00977 -0.00019 0.003509
PT 13	180.0 99.1 0.2666 2021.38 0.0021	379.9 0.6110 0.4363 89.0 497.3	-4.5 29.98 12.41 167.3 8.67 0.000	-0.69 975.100 24.15 187.6 8.30 0.772	1.56 1.31 0.01 -0.60 0.67016	1.72 8.11 -0. 6.61 0.2658	2.0 8.15 -2.6 0.99 0.009228	0.056807 -0.000961 0.0569 0.00023 0.003880	-0.002623 0.002577 0.07815 0.3228 0.002487	-0.001154 -0.002538 0.00064 -0.00350 0.003710
PT 14	180.1 99.2 0.2667 2021.28 0.0021	379.5 0.6119 0.4359 89.0 496.8	-4.5 29.98 12.46 164.7 8.93 0.000	-0.69 959.766 23.91 188.6 8.56 0.786	1.57 1.30 0.11 -0.64 0.68159	1.70 7.76 -0. 6.40 0.2375	2.0 7.87 -3.0 1.05 0.008959	0.052363 0.000296 0.0524 0.00079 0.003748	-0.002772 0.002747 0.07637 0.8959 0.002754	0.000637 0.000246 0.00094 0.00203 0.004127
PT 16	180.1 97.5 0.2643 2022.99 0.0021	379.1 0.6126 0.4314 99.0 496.2	-4.5 29.98 10.43 146.4 7.85 0.000	-0.69 859.070 22.52 174.2 7.52 0.616	1.58 1.30 -0.01 -0.44 0.57206	1.60 6.75 -0. 5.87 0.1950	2.0 8.52 -3.1 1.02 0.007132	0.050292 0.002264 0.0504 -0.00596 0.003217	-0.002717 0.002151 0.06384 0.7132 0.002100	-0.001197 -0.001419 0.00096 0.00030 0.003467
PT 19	180.3 97.5 0.2643 2022.99 0.0021	381.3 0.6055 0.4336 100.0 499.1	-4.5 29.98 10.18 143.8 7.36 0.000	-0.69 899.302 22.44 174.5 7.05 0.565	1.56 1.30 -0.08 -0.46 0.53145	1.60 6.75 -0. 5.84 0.1889	2.0 9.12 -2.8 0.97 0.006677	0.051549 0.000510 0.0516 -0.00717 0.003133	-0.002556 0.002033 0.06248 0.6677 0.001939	-0.001266 -0.002642 0.00076 -0.00065 0.003183

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2I 3A 4P 5E 6F 7H

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPP	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUP100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCP100	CPPR100						
RUN 40										
PT 20	180.3	379.7	-4.5	-0.69	1.57	1.60	3.0	0.055127	-0.003364	-0.000914
	57.5	0.6122	29.98	909.367	1.30	6.95	8.88	-0.001076	0.002220	-0.002344
	0.2643	0.4317	10.49	22.46	-0.06	-0.	-3.5	0.0552	0.07534	0.00047
	2022.96	100.0	143.1	174.2	-0.64	5.90	1.27	-0.00938	0.6994	-0.00118
	0.0021	497.0	7.80	7.47	0.57431	0.1740	0.006994	0.003462	0.002095	0.003797
			0.000	0.607						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2I 3A 4P 5E 6F 7J

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPP	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUP100	CPS100	CP/S	CPO/S	CO/S	COO/S
			CPCP100	CPPR100						
RUN 40										
PT 21	180.4	380.0	-4.5	-0.68	1.57	1.60	4.0	0.057559	-0.003962	-0.000617
	57.5	0.6122	29.98	914.655	1.31	7.05	8.68	-0.000486	0.001873	-0.001573
	0.2643	0.4317	10.84	22.51	0.12	-0.	-3.9	0.0577	0.08412	-0.00006
	2022.96	101.0	142.8	174.5	-0.75	5.90	1.49	0.00037	0.7173	-0.00019
	0.0021	497.5	8.14	7.79	0.60249	0.1635	0.007173	0.003671	0.001730	0.003766
			0.000	0.636						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2I 3A 4F 5E 6C 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJP PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMFH CPD/S	CXP/S CMZ/S CTH CPP100 CQ/S	CYR/S CMX/S CH CL*FH CQQ/S
RUN 40										
PT 16	180.4	379.3	-4.0	-0.69	1.56	1.29	2.0	0.026067	-0.001222	0.001184
	98.6	0.6132	29.98	685.420	1.28	3.61	6.29	0.002123	0.002436	0.001233
	0.2659	0.4336	5.11	18.16	-0.12	-0.	-2.7	0.0261	0.05356	0.00031
	2021.87	94.0	159.2	157.8	-0.54	3.53	0.46	-0.00676	0.3593	0.00254
	0.0021	496.5	4.73	4.54	0.26110	0.1791	0.003593	0.002460	0.002479	0.003148
			0.000	0.202						
PT 22	180.4	379.5	-4.0	-0.69	1.59	1.29	2.0	0.031007	-0.001484	0.000436
	97.4	0.6129	29.98	690.093	1.32	3.63	6.09	0.002384	0.002058	-0.000460
	0.2642	0.4311	5.40	18.15	-0.32	-0.	-2.7	0.0310	0.05491	0.00040
	2023.31	101.0	167.0	164.1	-0.37	3.44	0.56	0.00326	0.4114	0.00178
	0.0021	496.8	4.87	4.68	0.27388	0.2212	0.004114	0.003009	0.002040	0.002837
			0.000	0.212						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2I 3A 4F 5E 6F 7G

	VKTS QPSF MTUN PST RHO100	RPM V/OR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCP100	X2P VJP PTP TEMPP WP CPPP100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMFH CPD/S	CXP/S CMZ/S CTH CPP100 CQ/S	CYR/S CMX/S CH CL*FH CQQ/S
RUN 40										
PT 17	180.3	379.2	-4.0	-0.69	1.56	1.52	2.0	0.044900	-0.002845	-0.000535
	97.6	0.6129	29.98	867.729	1.29	6.18	8.45	0.004971	0.001566	0.000332
	0.2645	0.4316	9.08	21.37	0.35	-0.	-3.6	0.0450	0.05837	0.00128
	2022.80	99.0	152.6	173.5	-0.51	5.43	1.07	-0.00284	0.5885	0.00203
	0.0021	496.4	7.11	6.81	0.50005	0.1515	0.005885	0.003021	0.001577	0.004083
			0.010	0.499						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2J 3C 4B 5E 6A 7E

	VKTS QPSF PTUN PST RHO100	RPM V/OR TIPM TEMP CMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPR100 CD/S	CYP/S CMX/S CH CL*RH CDD/S
RUN 40										
PT 9	179.6	390.2	-3.1	-0.69	1.56	1.07	0.0	-0.007715	-0.000414	0.002724
	101.0	0.5943	29.98	401.822	1.31	1.15	-1.60	0.002257	0.007834	0.004548
	0.2693	0.4531	1.46	15.03	-0.69	-0.	-176.9	-0.0077	0.01062	0.00041
	2015.46	77.0	146.1	142.8	-0.40	1.33	0.17	0.00344	0.2937	0.00777
	0.0022	510.7	2.72	2.63	0.08140	0.2617	0.002937	0.002956	0.002836	0.003073
			0.000	0.028						

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DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2K 3A 4P 5E 6E 7G

	VKTS QPSF PTUN PST RHO100	RPM V/OR TIPM TEMP CMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPD PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPD/S	CXP/S CMZ/S CTH CPR100 CD/S	CYP/S CMX/S CH CL*RH CDD/S
RUN 60										
PT 10	180.1	403.7	-4.5	-0.69	1.56	1.45	2.0	0.031278	-0.001150	-0.000531
	99.5	0.5753	29.98	804.671	1.30	5.14	5.87	-0.000163	0.002243	0.001334
	0.2672	0.4645	7.63	20.35	-0.70	-0.	-2.1	0.0312	0.04953	0.00006
	2020.93	87.0	170.9	171.6	-0.34	4.53	0.49	0.00026	0.4938	0.00236
	0.0022	528.4	5.90	5.67	0.33328	0.2401	0.004938	0.002540	0.002298	0.002827
			0.000	0.300						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2K 3A 4P 5E 6F 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLF/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUP100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCP100	CPPP100						
RUN 40										
PT 1	180.2	400.9	-4.5	-0.69	1.56	1.72	2.0	0.052427	-0.002795	-0.001742
	99.9	0.5796	29.98	950.402	1.30	7.56	7.14	-0.000507	0.002582	-0.000374
	0.2464	0.4596	12.51	24.11	-0.24	-0.	-3.1	0.0525	0.07668	0.00096
	2021.52	91.0	163.1	188.9	-0.45	6.25	1.18	-0.00045	0.8021	-0.00142
	0.0021	524.8	8.75	9.38	0.59460	0.2637	0.008021	0.003515	0.002568	0.003846
			0.000	0.665						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2K 3A 4P 5E 6E 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLF/S	CXR/S	CYR/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMRH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCP100	CPPP100						
RUN 40										
PT 8	180.0	403.4	-4.1	-0.69	1.57	1.46	2.0	0.038155	-0.001654	-0.001130
	99.9	0.5752	29.98	814.154	1.30	5.19	6.67	-0.000455	0.002152	-0.000125
	0.2678	0.4655	7.74	20.43	-0.47	-0.	-2.5	0.0382	0.05668	-0.00032
	2020.54	84.0	185.0	181.1	-0.44	4.58	0.71	0.00087	0.4979	0.00046
	0.0022	528.1	6.03	5.78	0.34268	0.2338	0.004979	0.003107	0.002146	0.002816
			0.000	0.312						
PT 9	180.1	403.0	-4.1	-0.69	1.57	1.46	2.0	0.038445	-0.001682	-0.001445
	100.0	0.5763	29.98	806.135	1.31	5.04	6.63	-0.001730	0.002151	-0.001155
	0.2680	0.4650	7.89	20.52	-0.47	-0.	-2.5	0.0385	0.05916	-0.00034
	2020.40	84.0	188.6	183.7	-0.43	4.45	0.72	-0.00023	0.5076	-0.00060
	0.0022	527.5	6.27	6.01	0.35377	0.2373	0.005076	0.003157	0.002108	0.002852
			0.000	0.331						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2K 3C 4B 5E 6A 7F

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYR/S
	OPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	EE	CMPH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 40										
PT 4	180.0	402.1	-3.3	-0.69	1.56	1.07	1.0	-0.002459	-0.000209	0.001761
	100.9	0.5771	29.98	380.250	1.31	1.02	-0.63	0.004071	0.002255	0.004103
	0.2690	0.4662	1.45	14.96	-0.69	-0.	-175.8	-0.0029	0.01681	0.00026
	2019.65	79.0	148.0	143.1	-0.40	1.30	0.09	0.00424	0.2752	0.00668
	0.0022	526.4	2.44	2.36	0.06529	0.2516	0.002752	0.002636	0.002326	0.002445
			0.000	0.022						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2K 3C 4B 5E 6A 7G

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYR/S
	OPSF	V/OR	RAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	EE	CMPH	CPR100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 40										
PT 5	179.8	402.5	-3.2	-0.69	1.56	1.07	2.0	0.006970	-0.000514	0.000464
	100.4	0.5760	29.98	393.448	1.31	1.10	1.61	0.004669	0.001620	0.001065
	0.2685	0.4662	1.25	14.95	-0.68	-0.	-4.3	0.0069	0.02755	0.00027
	2020.02	80.0	149.7	145.1	-0.39	1.27	0.22	0.00558	0.2344	0.00375
	0.0022	526.9	1.77	1.73	0.04956	0.2159	0.002344	0.002449	0.001657	0.001948
			0.000	0.016						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2K 3C 4B 5E 6C 7G

	VKTS QPSF MTUN PST RHO100	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPP100 CPP/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PH COD/S
RUN 40										
PT 6	179.9	406.3	-3.2	-0.69	1.56	1.24	2.0	0.027562	-0.000460	-0.000350
	100.3	0.5710	29.98	647.549	1.31	3.22	6.57	0.001691	0.001955	-0.001437
	0.2684	0.4701	4.07	17.33	-0.43	-0.	-1.0	0.0276	0.04747	-0.00050
	2020.09	81.0	151.6	148.4	-0.79	3.10	0.20	0.00164	0.3257	0.00023
	0.0022	531.8	4.15	3.99	0.18452	0.2133	0.003257	0.002300	0.001944	0.002110
			0.000	0.115						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2K 3C 4B 5E 6E 7G

	VKTS QPSF MTUN PST RHO100	RPM V/QR TIPM TEMP OMEG*R	THETA BAR PTC TEMPC WC CPCR100	X2P VJR PTP TEMPP WP CPPR100	XLEL XTEL XR XP CMUR100	RPO PTRT PT59L PT59T CPS100	ALFS,C L/D ANGX/L FE CP/S	CLP/S CMY/S CT CMPH CPP100 CPP/S	CXR/S CMZ/S CTH CPR100 CO/S	CYR/S CMX/S CH CL*PH COD/S
RUN 40										
PT 7	179.9	405.9	-3.2	-0.69	1.57	1.45	2.0	0.042768	-0.001131	-0.000527
	100.0	0.5715	29.98	832.015	1.31	5.49	8.00	-0.000333	0.002392	-0.002020
	0.2679	0.4688	7.79	20.30	0.21	-0.	-1.6	0.0418	0.06236	-0.00043
	2020.44	83.0	185.6	179.4	-0.83	4.87	0.49	0.00027	0.5053	-0.00046
	0.0022	531.3	6.14	5.89	0.35184	0.2338	0.005093	0.002765	0.002320	0.002747
			0.000	0.306						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2K 3C 4C 5A 6C 7E

	VKTS	RPM	THETA	X2P	XLEL	PPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CPPH	CPR100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CD/S	CDP/S
			CPCR100	CPPR100						
RUN 29										
PT 3	184.6	403.6	-2.5	-0.48	-1.39	1.24	0.0	0.014141	-0.000423	0.000199
	106.2	0.5899	30.03	625.870	1.31	2.86	2.64	0.000537	0.002356	0.000687
	0.2764	0.4685	3.50	17.37	0.17	-0.	-1.7	0.0141	0.02428	0.00042
	2017.91	78.0	181.4	170.3	-0.81	2.88	0.17	0.00199	0.3471	0.00290
	0.0022	528.3	2.17	2.12	0.09538	0.2906	0.003471	0.003131	0.002356	0.002581
			0.000	0.065						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1E 2K 3C 4C 5E 6C 7E

	VKTS	RPM	THETA	X2P	XLEL	PPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CPPH	CPR100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPD/S	CD/S	CDP/S
			CPCR100	CPPR100						
RUN 29										
PT 4	186.2	403.6	-3.2	-0.48	1.53	1.25	0.0	0.010543	-0.001411	0.002029
	107.3	0.5947	30.03	637.595	1.33	2.97	1.79	-0.000156	0.002155	0.001607
	0.2779	0.4673	3.76	17.46	-0.64	-0.	-7.6	0.0105	0.02379	0.00141
	2016.72	81.0	190.9	172.5	-0.66	2.94	0.56	0.00061	0.3618	0.00502
	0.0022	528.4	3.49	3.37	0.15571	0.2678	0.003618	0.003504	0.002155	0.002981
			0.000	0.107						
PT 5	186.1	404.8	-3.2	-0.48	1.52	1.25	0.0	0.008893	-0.001493	0.002173
	106.7	0.5928	30.03	623.635	1.32	2.82	1.42	-0.001118	0.002172	0.002756
	0.2770	0.4673	3.91	17.47	-0.61	-0.	-10.8	0.0089	0.02002	0.00169
	2017.32	84.0	179.7	174.8	-0.68	2.83	0.68	-0.00031	0.3618	0.00530
	0.0022	529.9	3.59	3.46	0.15617	0.2659	0.003618	0.003693	0.002172	0.003167
			0.000	0.110						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2K 3D 4C 5F 6C 7D

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPM	PTC	PTP	XP	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPP100						
RUN 29										
PT 10	188.9	402.9	-2.1	-0.48	1.54	1.25	-1.0	0.018011	-0.000780	0.001545
	106.4	0.6046	30.04	622.453	1.32	2.79	3.59	0.000786	0.002142	-0.002987
	0.2766	0.4575	3.96	17.50	-0.08	-0.	-2.5	0.0180	0.03415	0.00109
	2018.28	102.0	186.3	178.1	-0.70	3.11	0.30	0.00138	0.3431	-0.00127
	0.0021	527.3	3.25	3.14	0.14766	0.2559	0.003431	0.002962	0.002178	0.002611
			0.000	0.106						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2K 3D 4C 5E 6C 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLP/S	CXP/S	CYP/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	PTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPH	CPP100	CL*PH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPP100						
RUN 29										
PT 1	197.0	403.2	-2.1	-0.48	1.52	1.27	0.0	0.027734	-0.001354	0.000639
	107.3	0.5981	30.04	646.683	1.31	3.05	4.89	0.001835	0.001781	-0.002786
	0.2779	0.4647	4.27	17.78	0.03	-0.	-2.8	0.0277	0.03038	0.00135
	2017.36	86.0	193.8	176.8	-0.79	3.09	0.54	0.00170	0.3756	-0.00026
	0.0022	527.9	4.21	4.05	0.19188	0.2583	0.003756	0.003300	0.001781	0.002493
			0.000	0.142						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2K 3D 4C 5E 6D 7D

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	OPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMFH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 29										
PT 1	188.9	404.7	-2.1	-0.48	1.53	1.33	-0.5	0.028015	-0.000554	0.000568
	106.8	0.6019	30.04	722.684	1.32	3.87	5.40	0.000192	0.002145	-0.002575
	0.2771	0.4604	5.57	13.62	0.11	-0.	-1.1	0.0280	0.04365	0.00080
	2017.91	100.0	208.5	186.3	-0.88	3.64	0.22	-0.00014	0.4569	-0.00020
	0.0021	529.7	5.04	4.84	0.26078	0.2790	0.004569	0.003030	0.002167	0.002407
			0.000	0.206						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2K 3D 4C 5E 6E 7D

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLR/S	CXR/S	CYR/S
	OPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XR	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMFH	CPP100	CL*RH
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCR100	CPPR100						
RUN 29										
PT 11	188.8	404.9	-2.1	-0.48	1.53	1.46	-1.0	0.035014	-0.000535	-0.000104
	106.1	0.6012	30.04	802.421	1.32	5.04	6.02	-0.000595	0.002435	-0.001719
	0.2762	0.4594	7.28	20.52	0.23	-0.	-0.9	0.0350	0.04535	0.00115
	2018.59	103.0	188.6	178.1	-0.83	4.86	0.21	-0.00020	0.5593	0.00005
	0.0021	530.0	5.55	5.32	0.31976	0.3172	0.005593	0.003347	0.002456	0.002631
			0.000	0.297						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2V 3D 4C 5E 6E 7E

	VKTS	RPM	THETA	X2P	XLEL	PPO	ALFS,C	CLF/S	CXF/S	CYF/S
	QPSF	V/OR	RAP	VJR	XTEL	PTRT	L/D	CMY/S	CMZ/S	CMX/S
	MTUN	TIPM	PTC	PTP	XP	PTSEL	ANGX/L	CT	CTH	CH
	KST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CHPM	CPP100	CLSCH
	RHO100	OMEGAR	WC	WP	CMUF100	CPS100	CP/S	CPC/S	CQ/S	CQQ/S
			CPCR100	*CPP2100						
RUN 29										
PT 7	193.5	403.6	-7.1	-0.48	1.53	1.46	0.0	0.040879	-0.001566	0.000333
	107.8	0.6023	30.04	807.183	1.32	5.05	6.48	0.001480	0.002364	[illegible]
	0.2786	0.4626	7.49	20.49	0.31	-0.	-2.2	0.0409	0.05000	0.00159
	2016.87	72.0	196.4	184.0	-0.77	4.72	0.62	0.00214	0.5407	-0.00059
	0.0021	528.3	5.87	5.63	0.33593	0.2841	0.005407	0.003597	0.002364	0.003121
			0.000	0.314						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2F 3D 4C 5F 6F 7D

	VKTS	RPM	THETA	X2P	XLEL	RPC	ALFS,C	CLP/S	CYP/S	CYP/S
	QPSF	V/OF	RAR	VJR	XTEL	PTPT	L/D	CMY/S	CMZ/S	CMX/S
	MTUP	TIPM	PTC	PTP	XP	PT59L	ANGX/L	CT	CTM	CM
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FE	CMPM	CPP100	CL*FM
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPJ/S	CD/S	CDJ/S
			CPCR100	CPPP100						
RUN 25										
PT 12	189.0	403.7	-2.1	-0.48	1.53	1.58	-1.0	0.039887	-0.000854	0.003940
	106.1	0.6037	30.04	874.213	1.33	6.24	5.97	-0.003110	0.003109	-0.001903
	0.2763	0.4577	4.19	22.10	0.37	-0.	-1.3	0.0399	0.05222	0.001556
	2019.54	104.0	169.6	177.1	-0.84	5.70	0.35	-0.00033	0.00975	0.00003
	0.0021	528.4	6.66	6.38	0.42102	0.3453	0.006975	0.003842	0.003160	0.003490
			0.000	0.426						

DATA IN THE FOLLOWING GROUP OF POINTS SATISFIED THE FOLLOWING SEQUENCE OF CONSTRAINT CODES -
1F 2K 3D 4C 5E 6F 7E

	VKTS	RPM	THETA	X2P	XLEL	RPO	ALFS,C	CLF/S	CYF/S	CYS/S
	QPSF	V/OR	BAR	VJR	XTEL	PTRT	L/D	CMV/S	CM7/S	CMR/S
	MTUN	TIPM	PTC	PTP	XP	PT59L	ANGX/L	CT	CTH	CH
	PST	TEMP	TEMPC	TEMPP	XP	PT59T	FF	CMPH	CPP100	CL*RM
	RHO100	OMEG*R	WC	WP	CMUR100	CPS100	CP/S	CPO/S	CO/S	CDO/S
			CPCP100	CPPR100						
RUN 23										
PT P	188.4	404.2	-2.1	-0.48	1.52	1.61	0.0	0.051201	-0.001748	-0.001004
	107.2	0.6010	30.04	887.423	1.32	6.57	7.07	0.000077	0.002712	-0.004014
	0.2777	0.4620	10.10	22.53	0.32	-0.	-2.0	0.0512	0.06813	0.00175
	2017.52	95.0	158.2	169.9	-0.75	5.94	0.68	0.00127	0.7266	-0.00289
	0.0021	529.2	7.51	7.19	0.47265	0.3302	0.007266	0.00-039	0.002712	0.003449
			0.000	0.484						

REFERENCES

1. Pothast, A.: X-Wing Stability and Control Development and Wind Tunnel Demonstration Tests — Helicopter Conversion and Fixed Wing Flight. Paper No. 80-27, Proceedings of the 36th Annual Forum of the American Helicopter Society, May 1980.

2. Chopra, I.; and Ballard, J.: Measurement of Control Stability Characteristics of a Wind-Tunnel Model Using a Transfer Function Method. Presented at AIAA 11th Aerodynamic Testing Conference, Colorado Springs, CO, March 20, 1980.

3. D'Azzao, J. J.; and Houpis, C. H.: Feedback Control System Analysis and Synthesis. Second Ed., McGraw-Hill Book Co., New York, 1966.

Figure 1.- X-Wing rotor installation in wind tunnel.

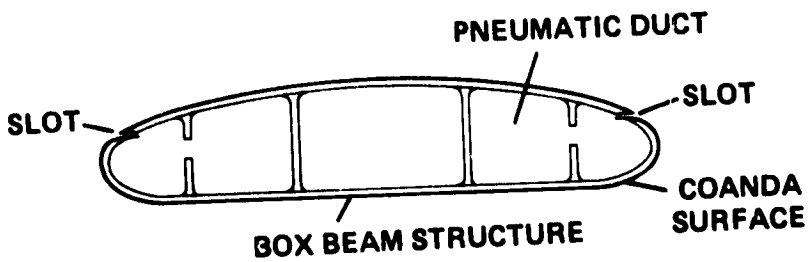


Figure 2.- X-Wing blade cross section.

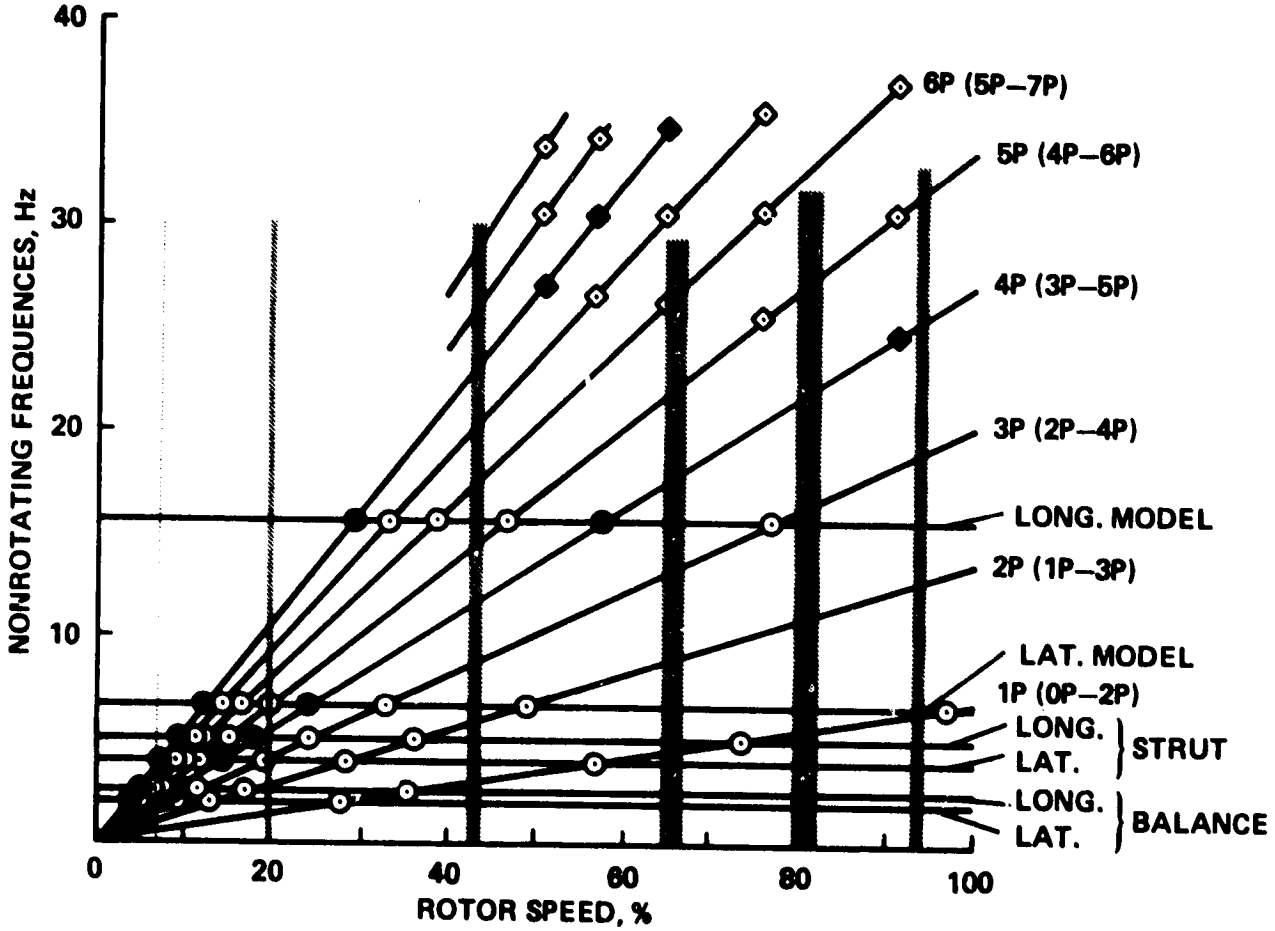


Figure 3.- Rotor blade/hub bending frequencies.

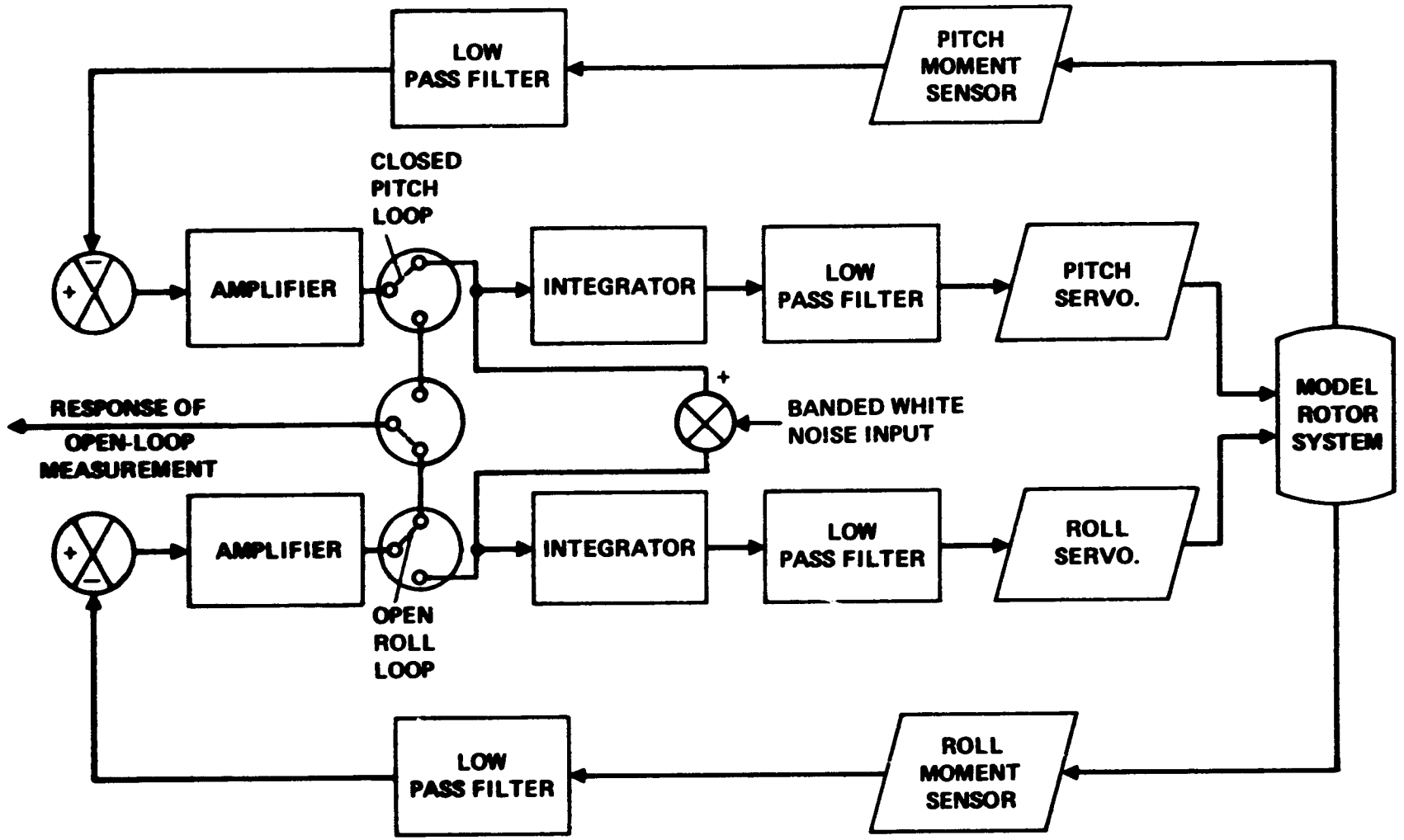


Figure 4.- Simplified block diagram of the rotor model with hub-moment feedback control system during open-loop testing.

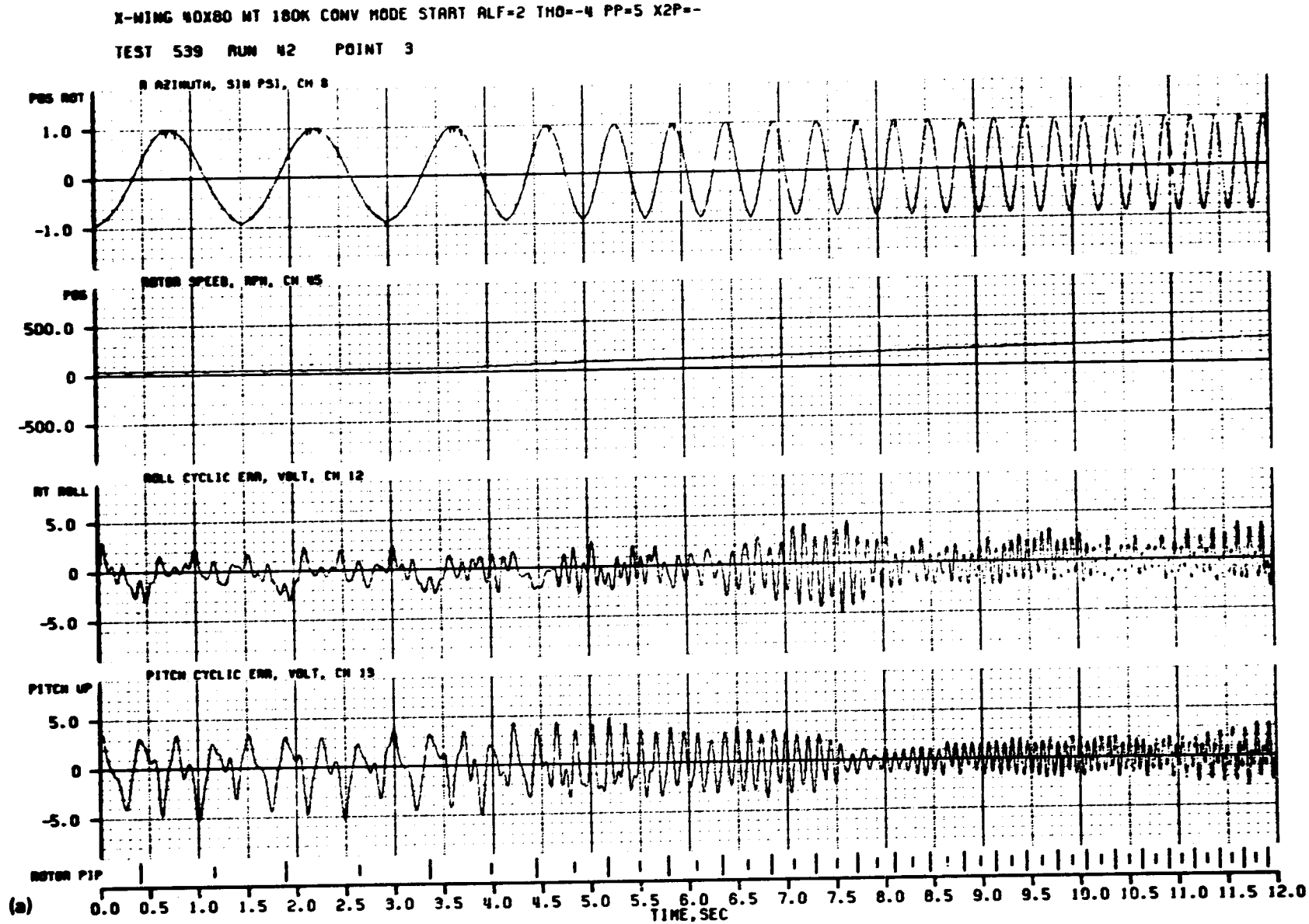


Figure 5.- Time history of run 42, data point 3, rotor transient from fixed-wing to rotary-wing mode.

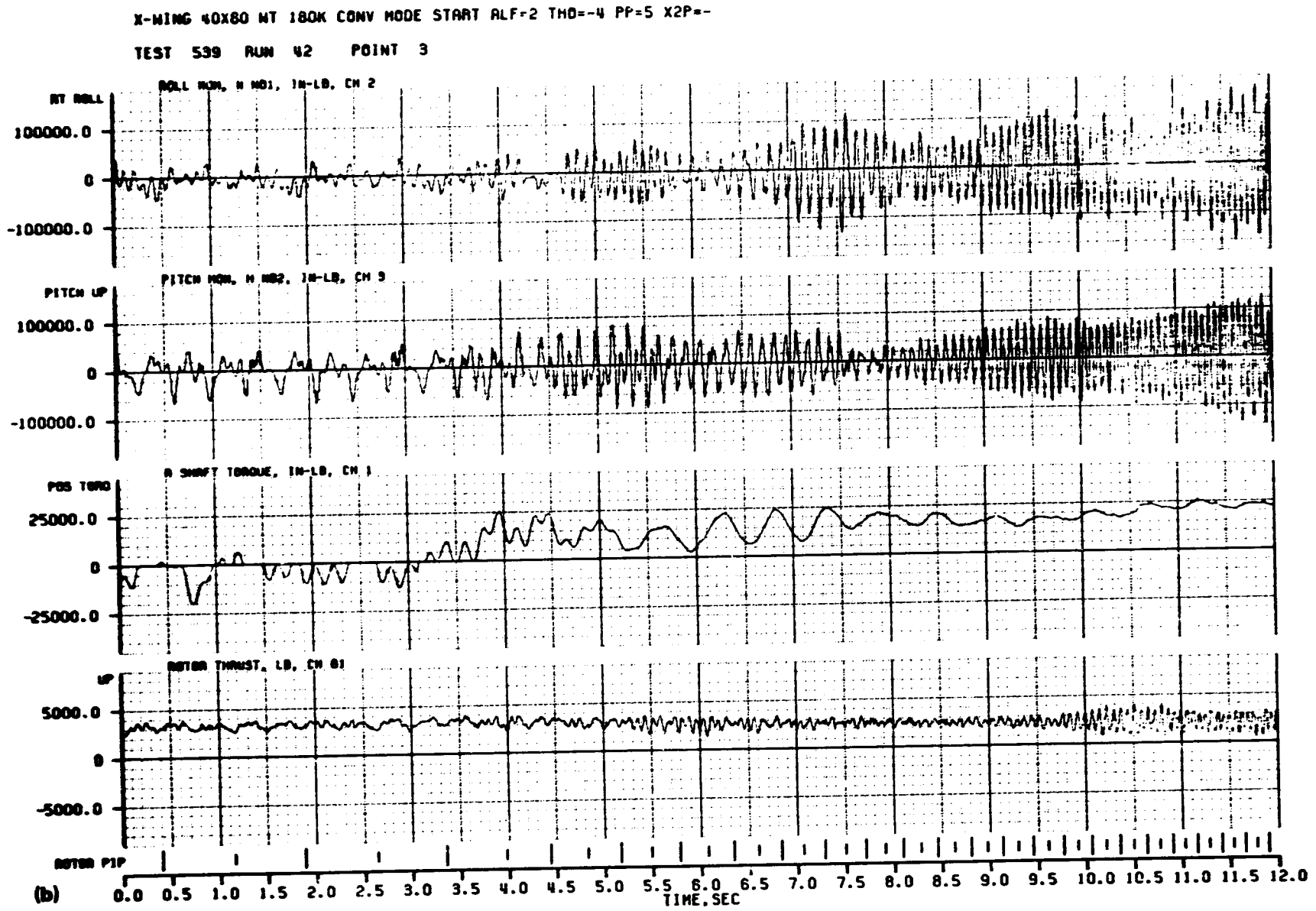
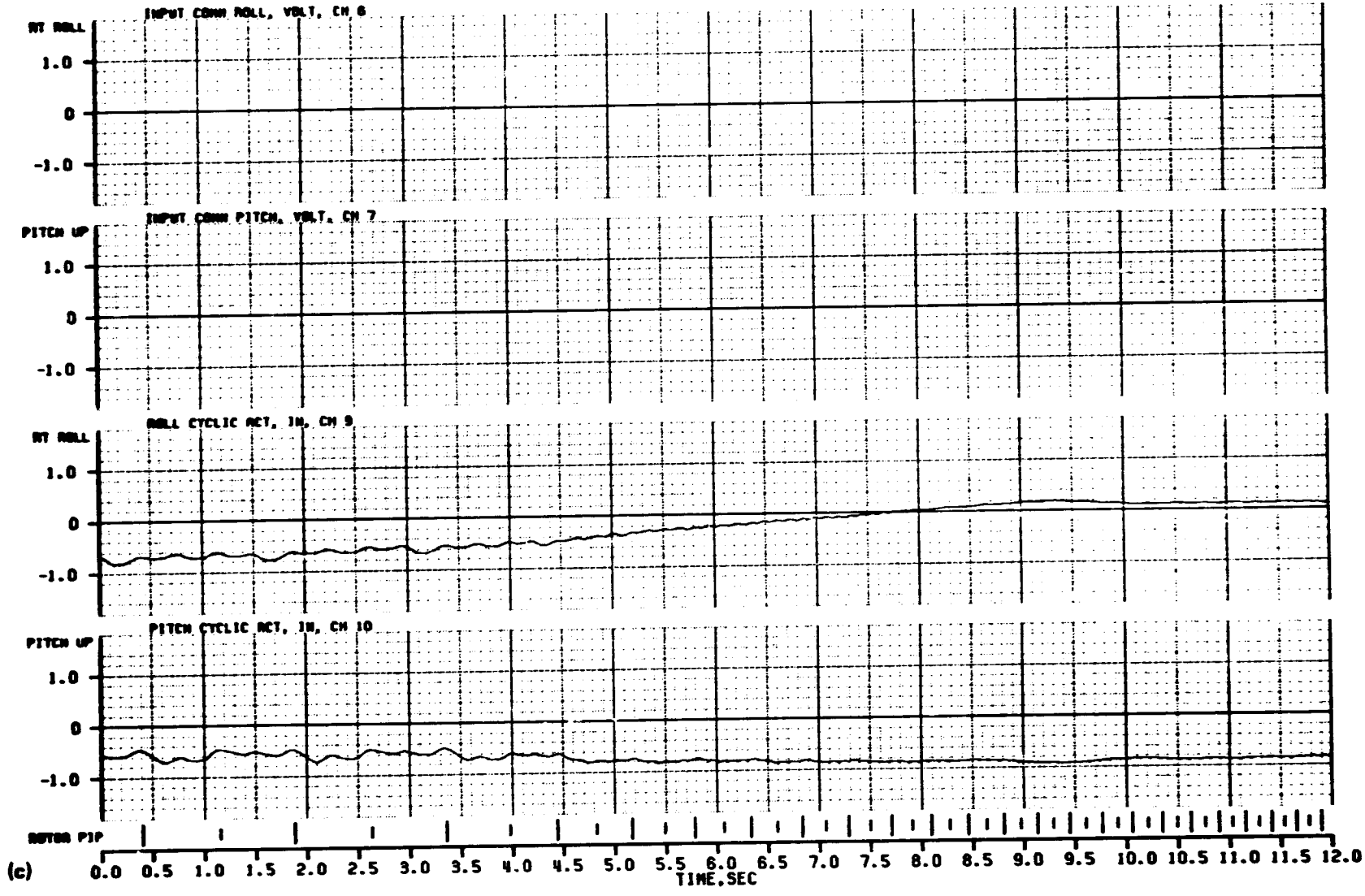
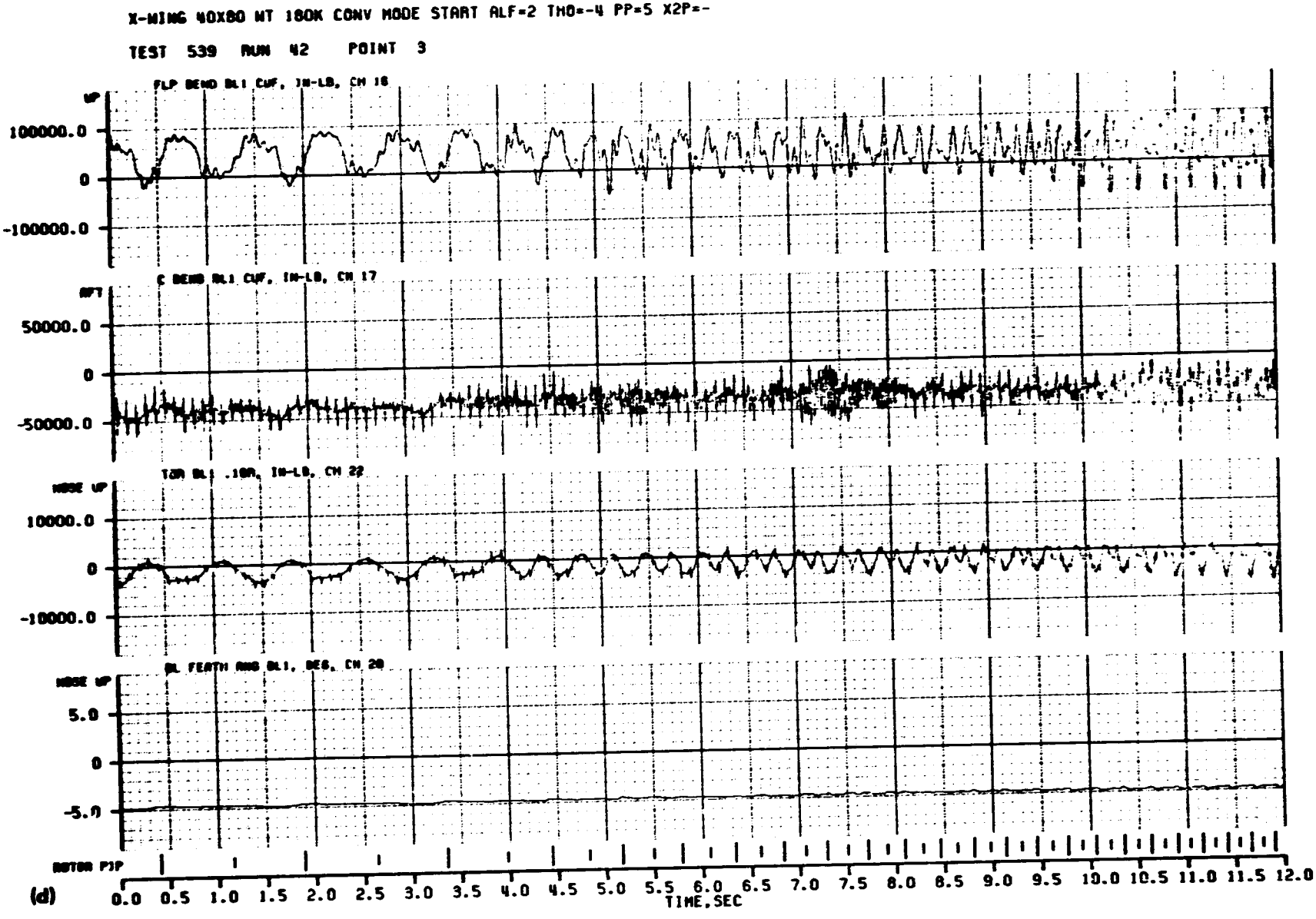


Figure 5.- Continued.



(c)

Figure 5.- Continued.



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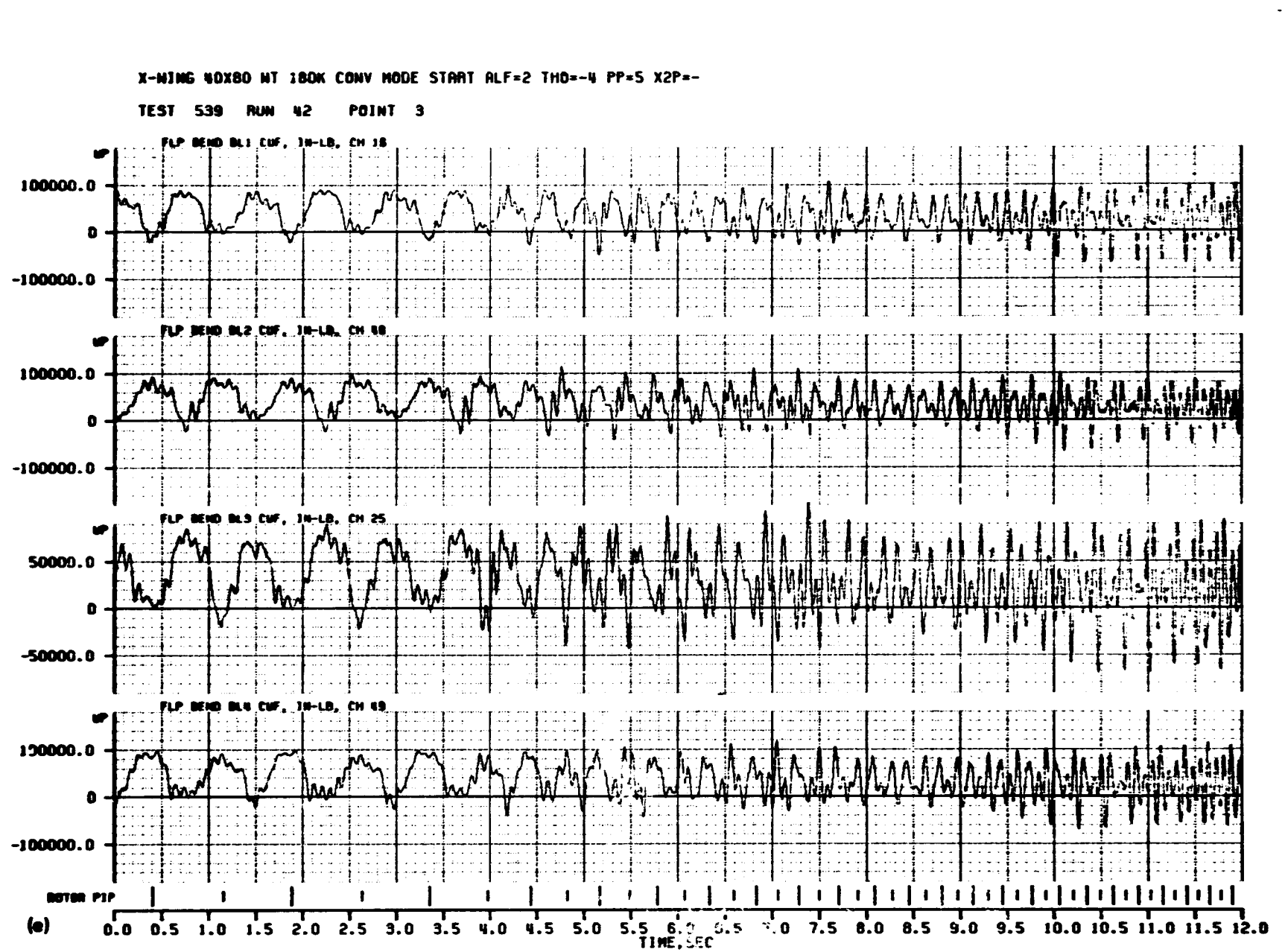
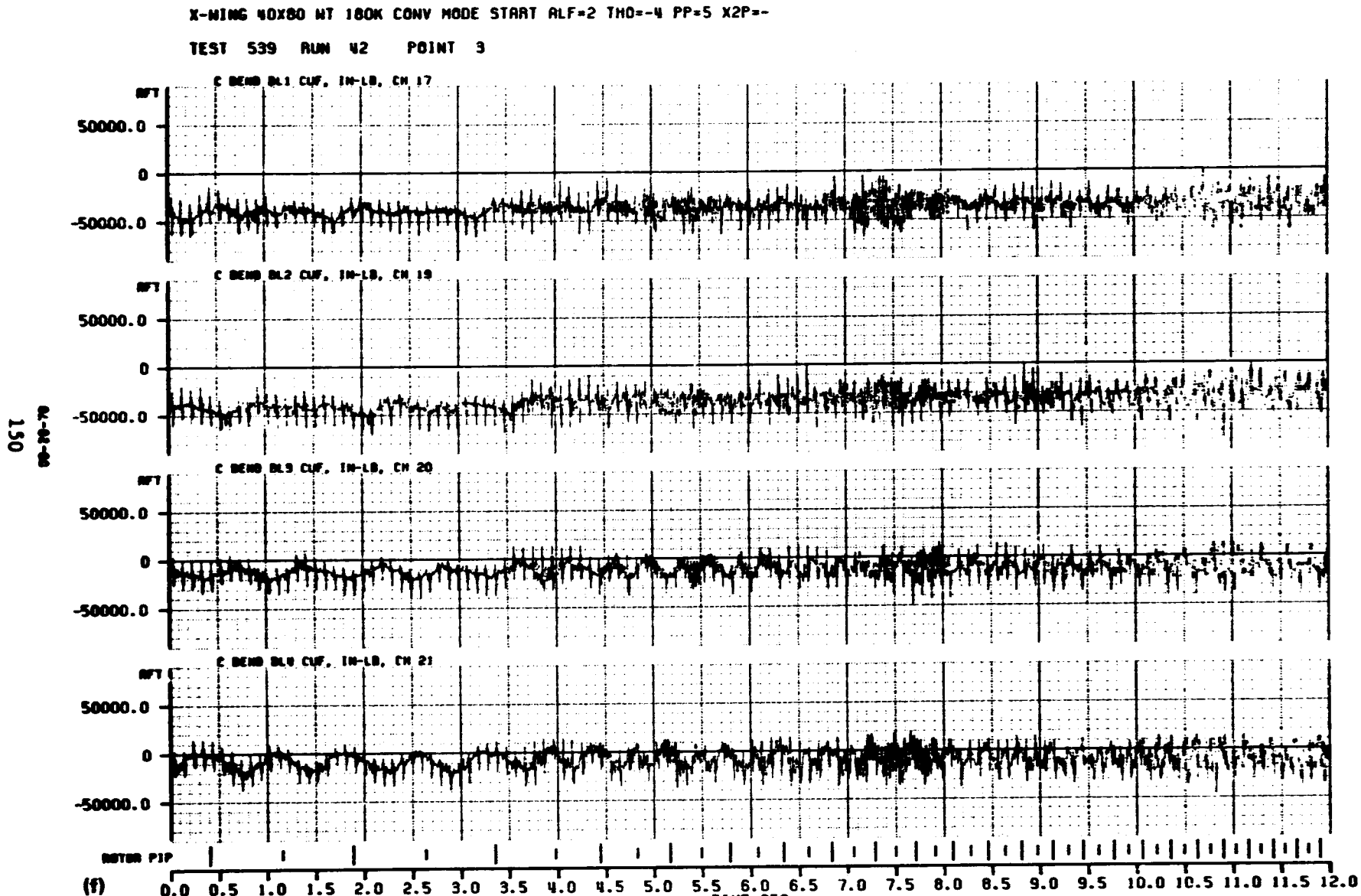


Figure 5.- Continued.



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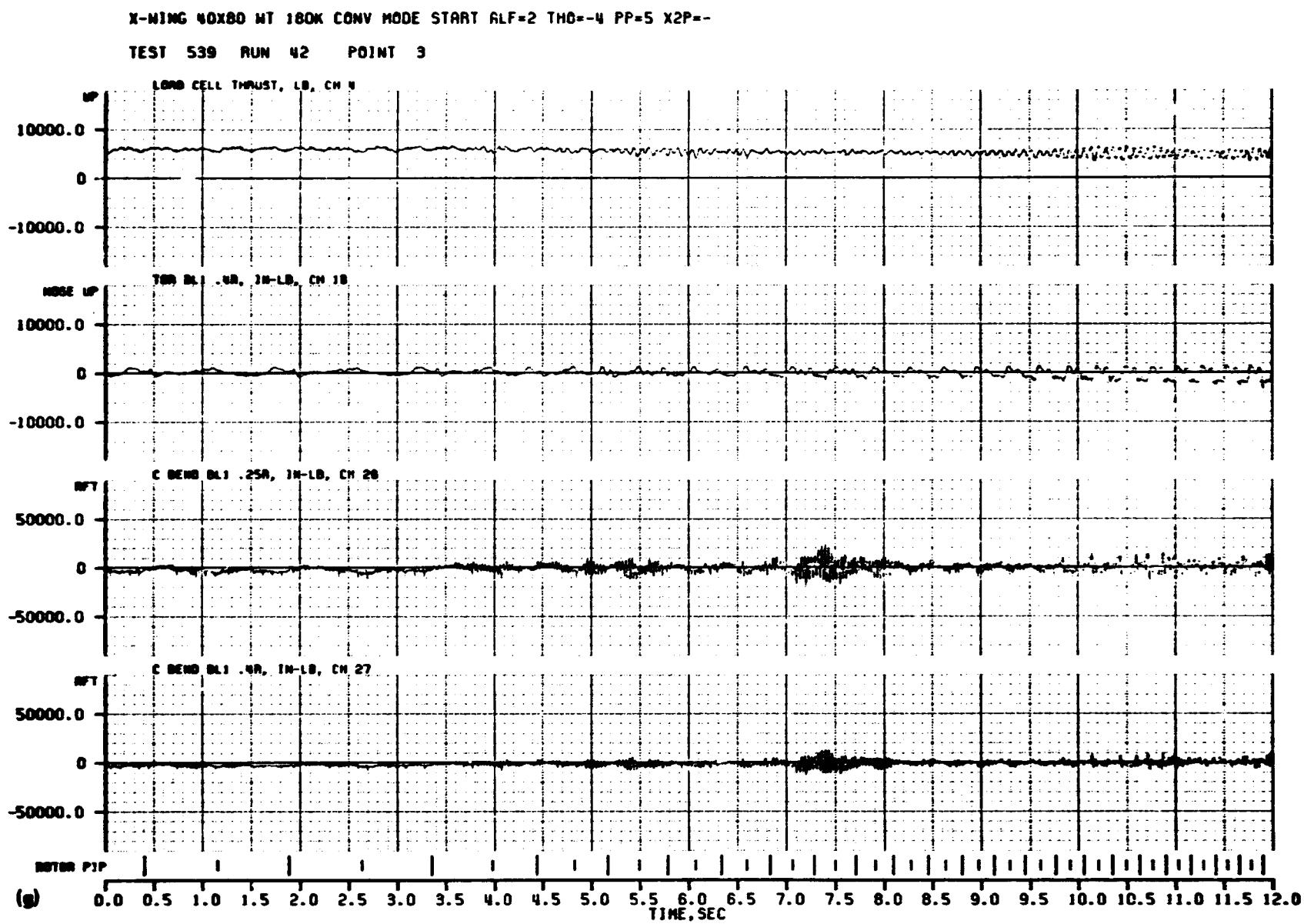

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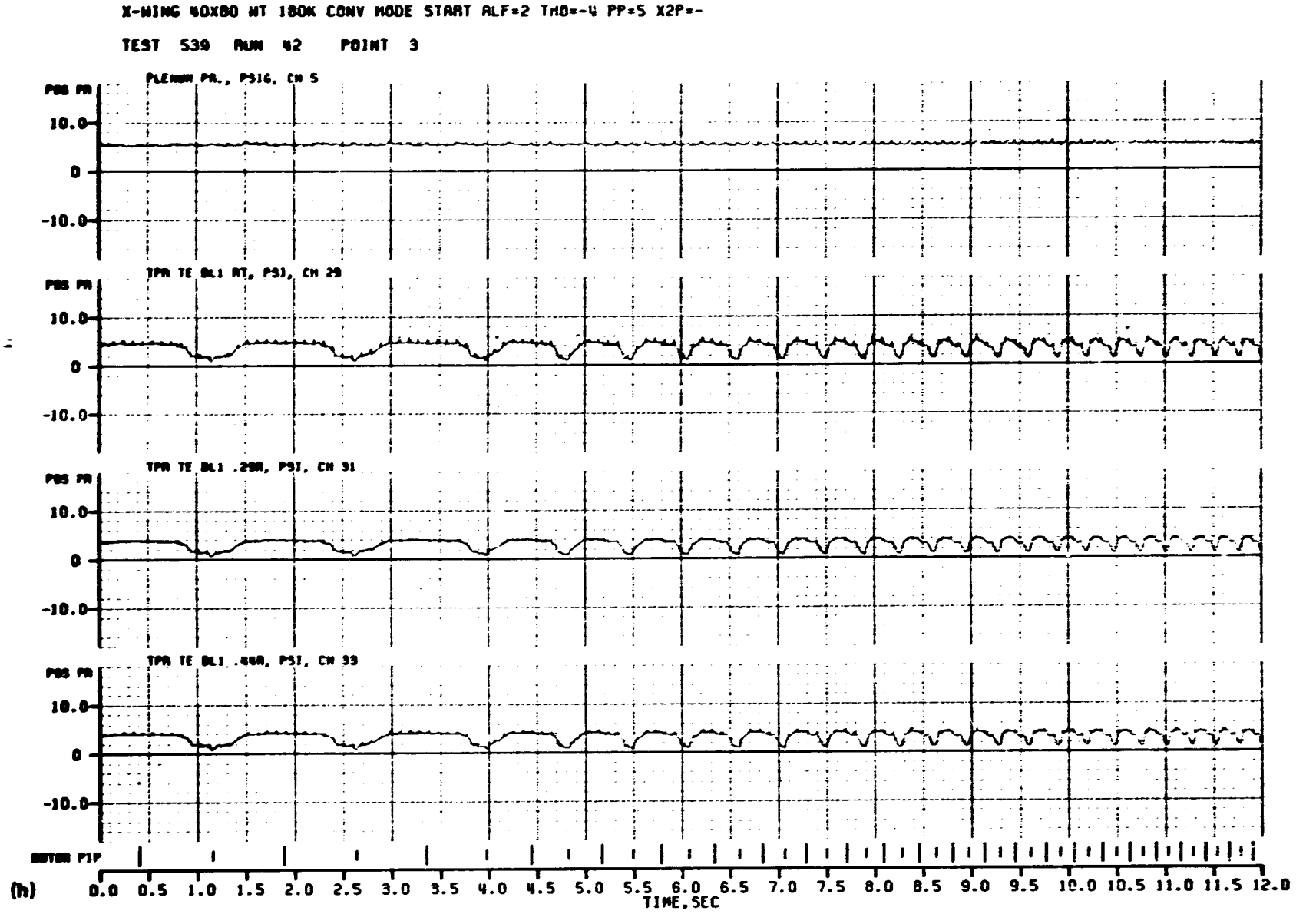

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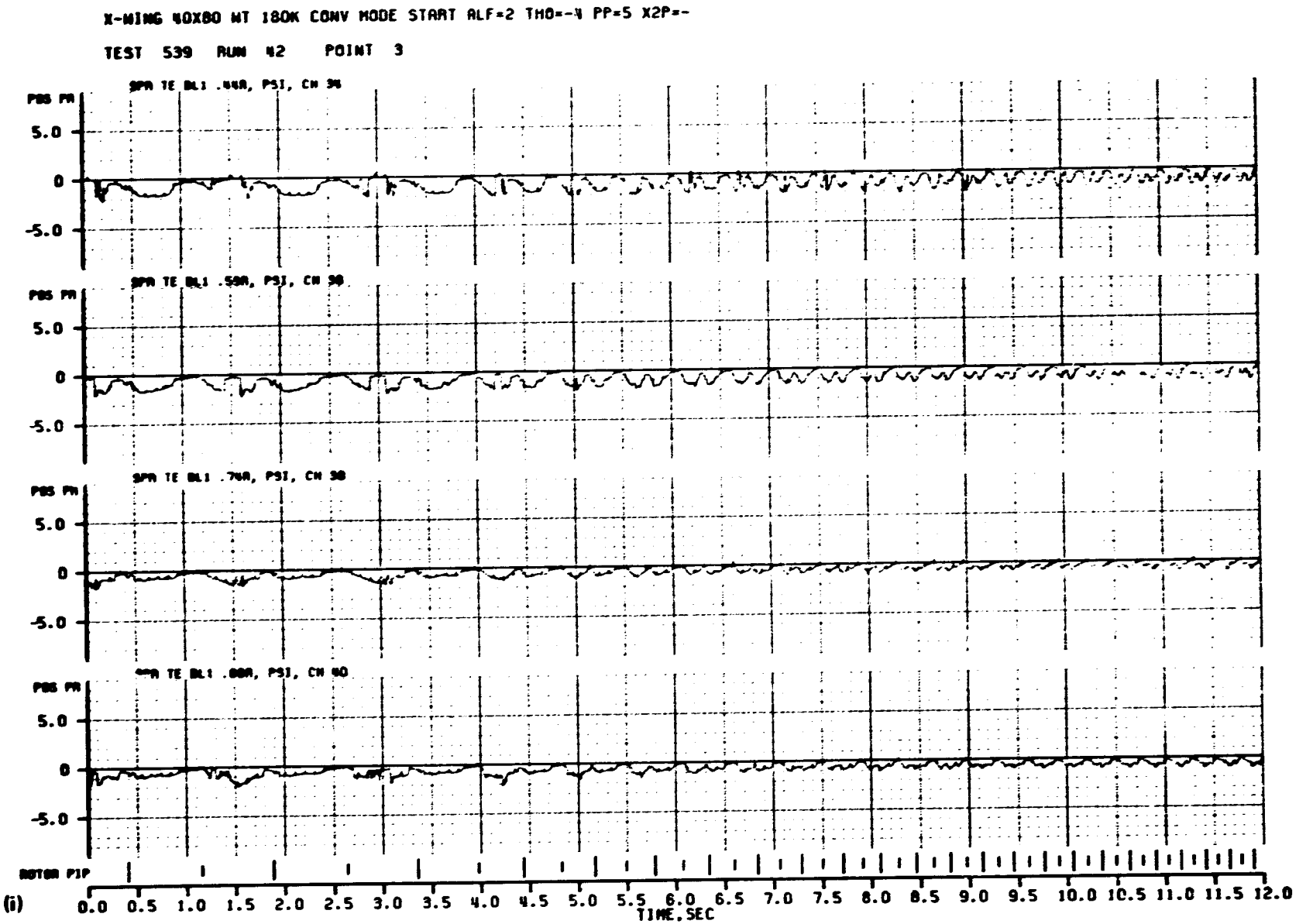

(i)

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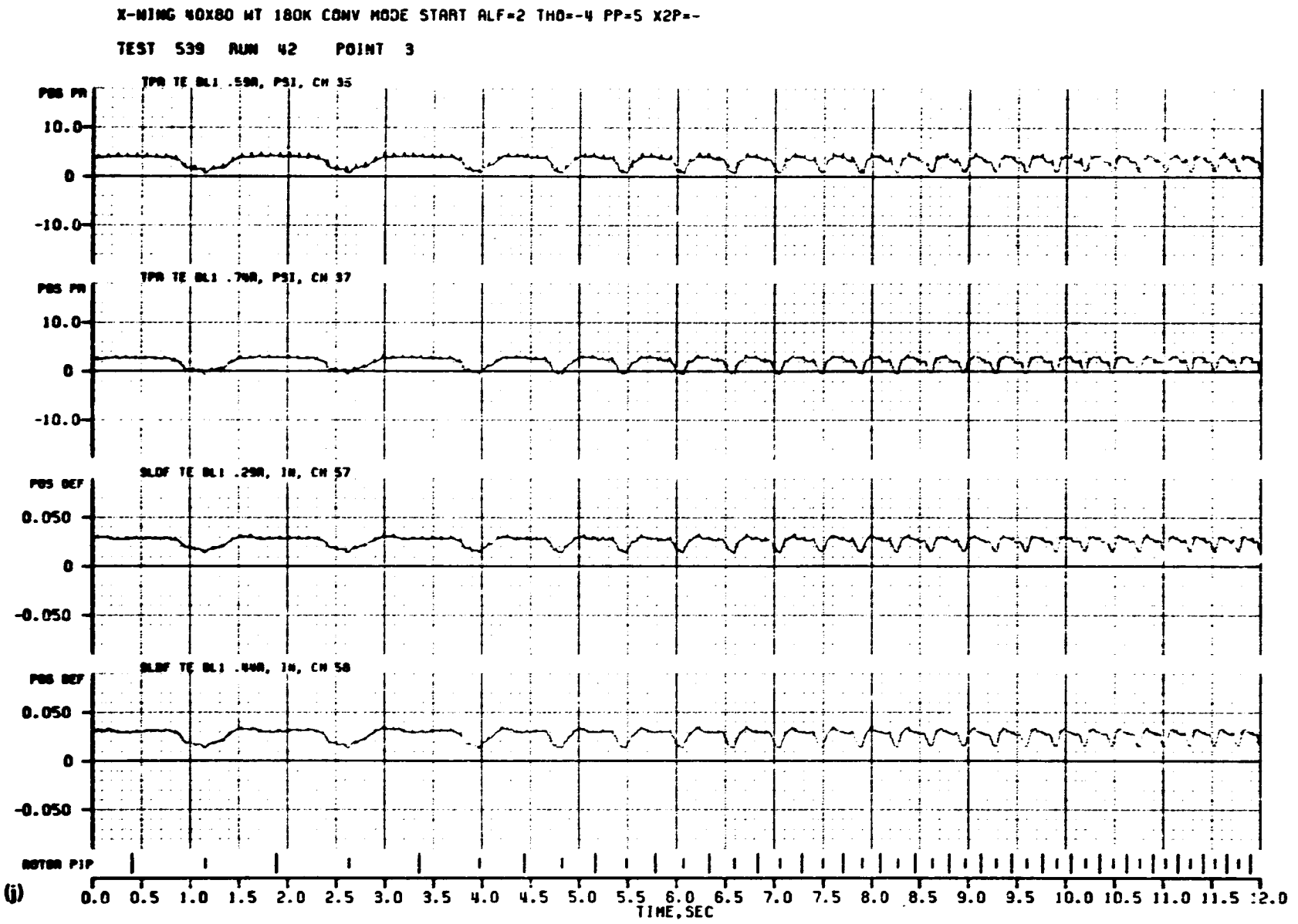

(j)

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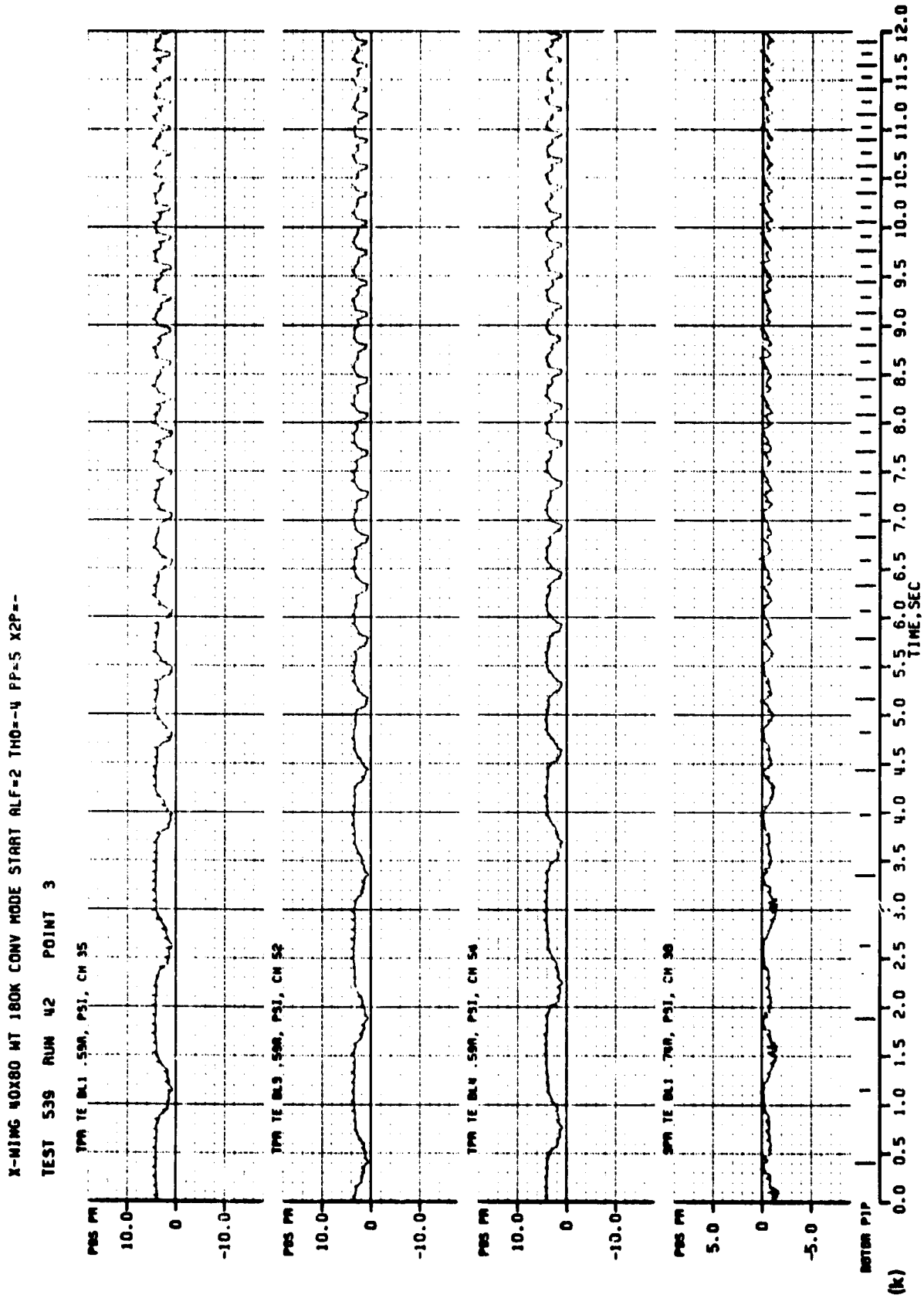

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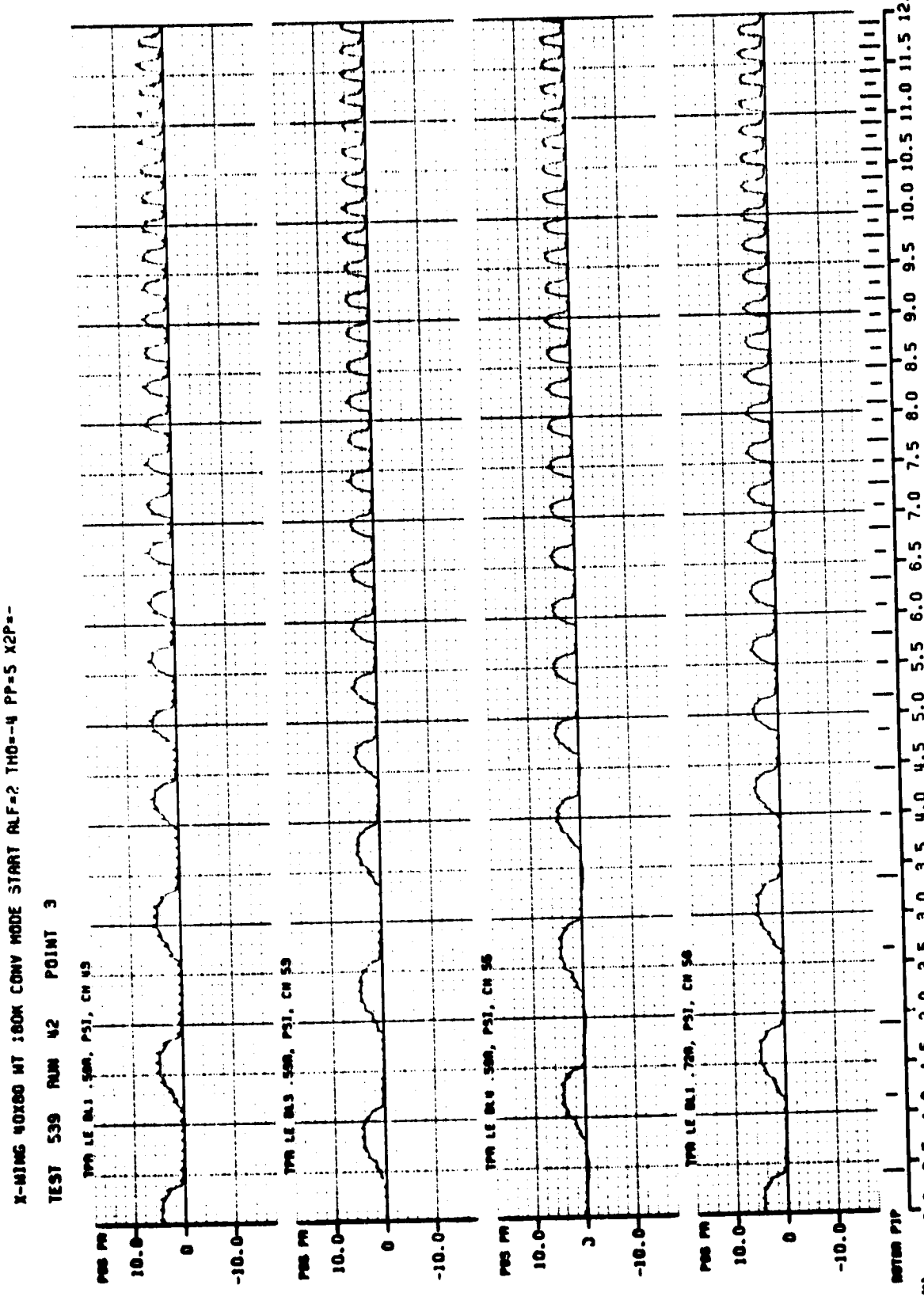

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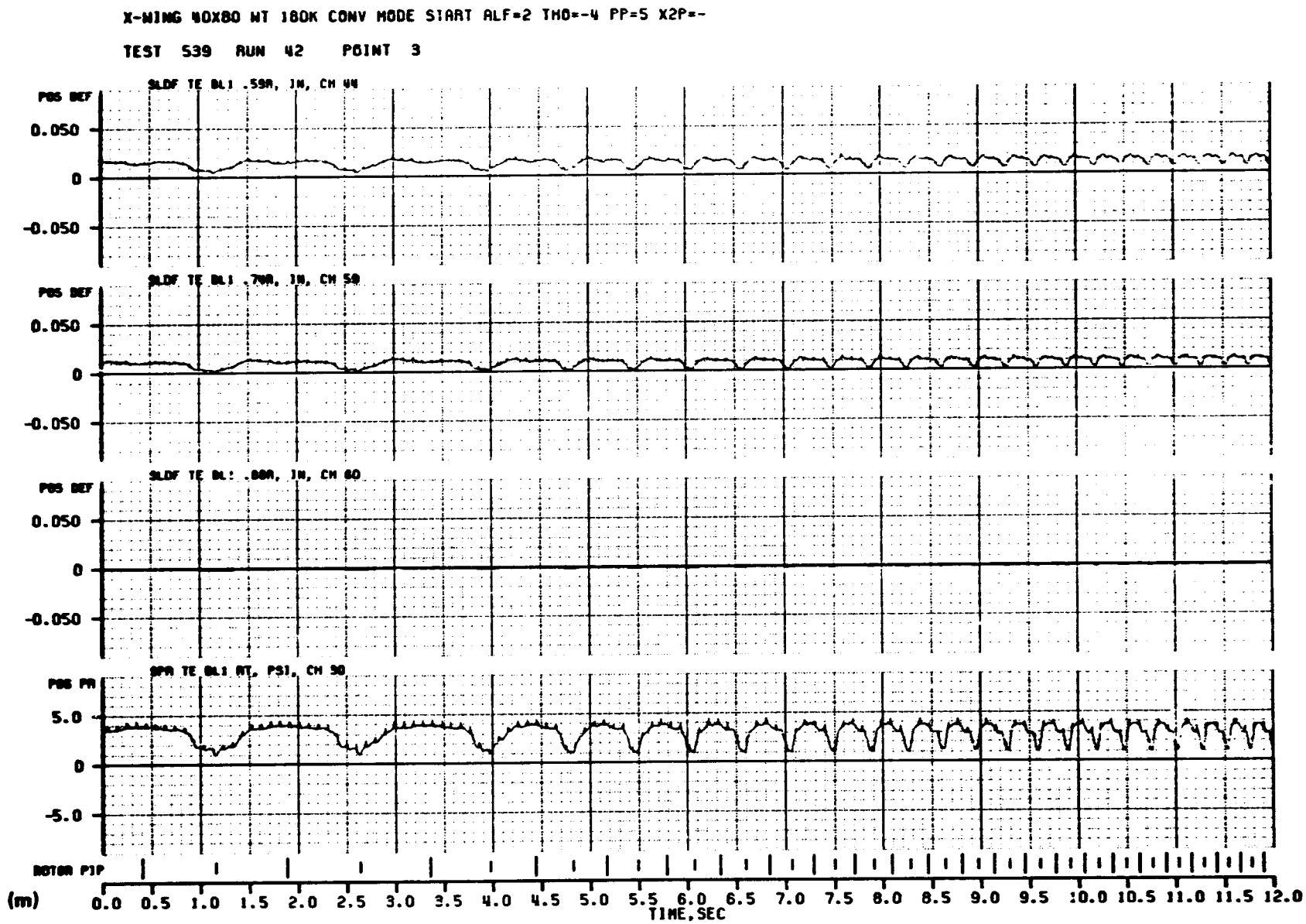

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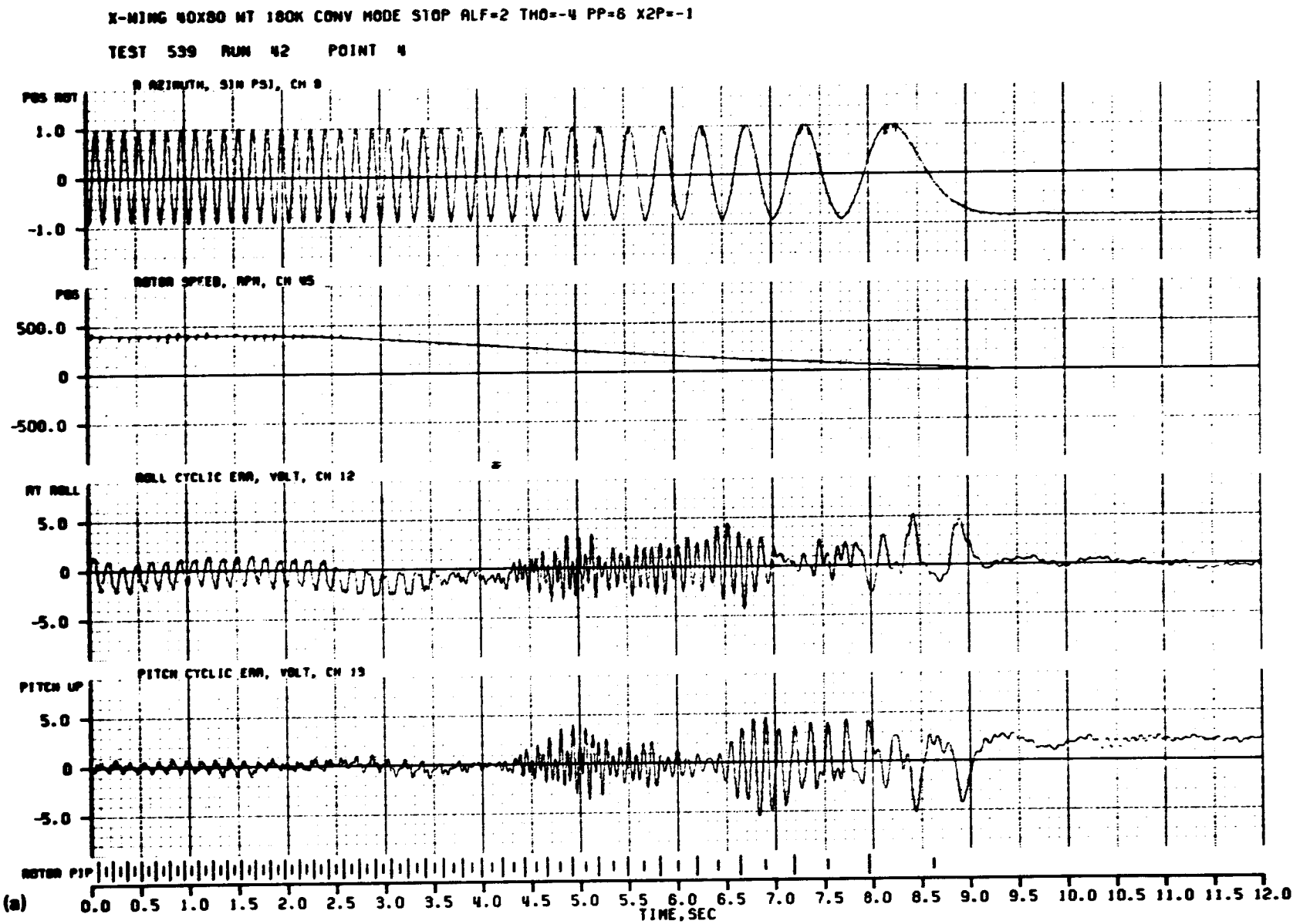
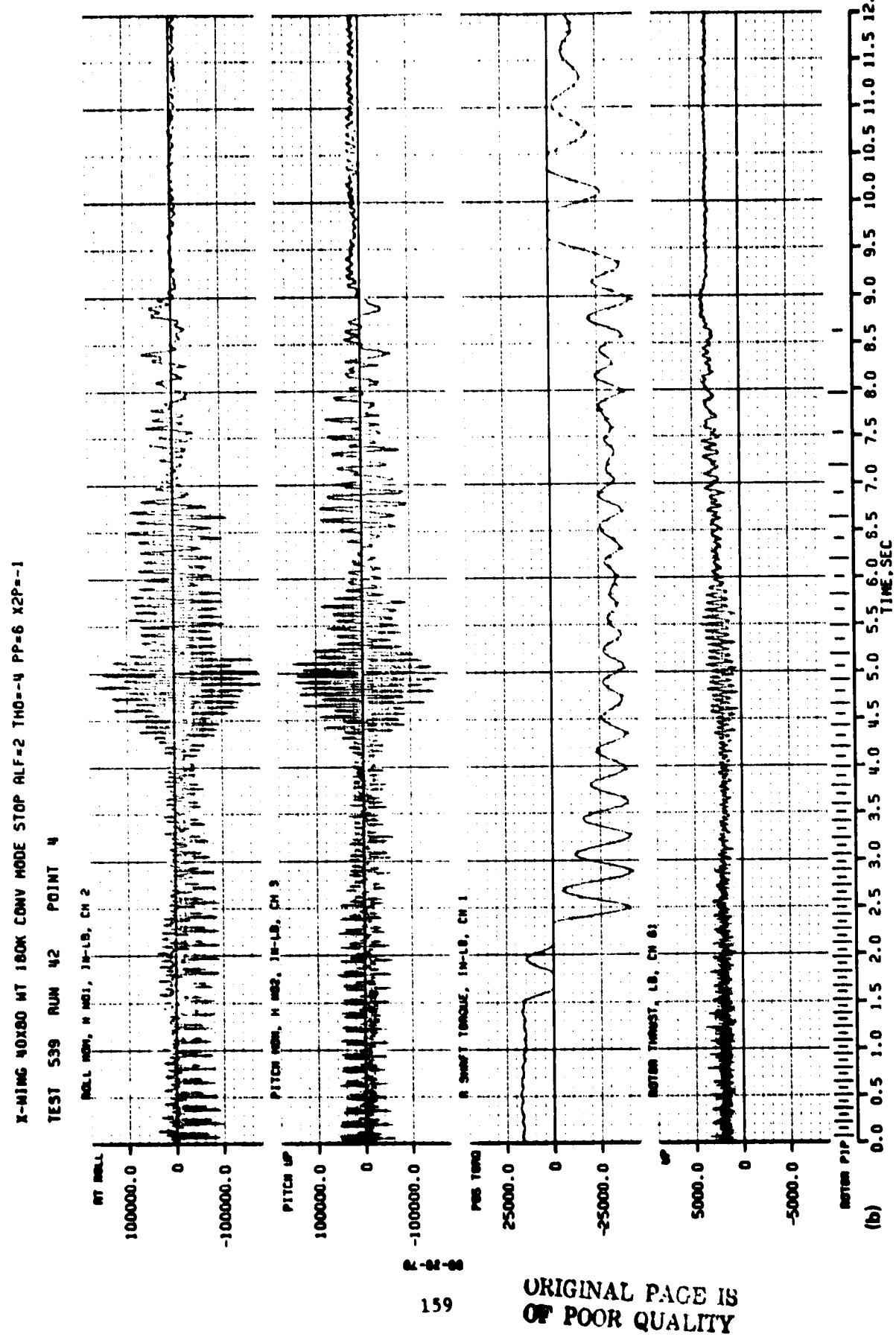


Figure 6.- Time history of run 42, data point 4, rotor transient from rotary-wing to fixed-wing mode.



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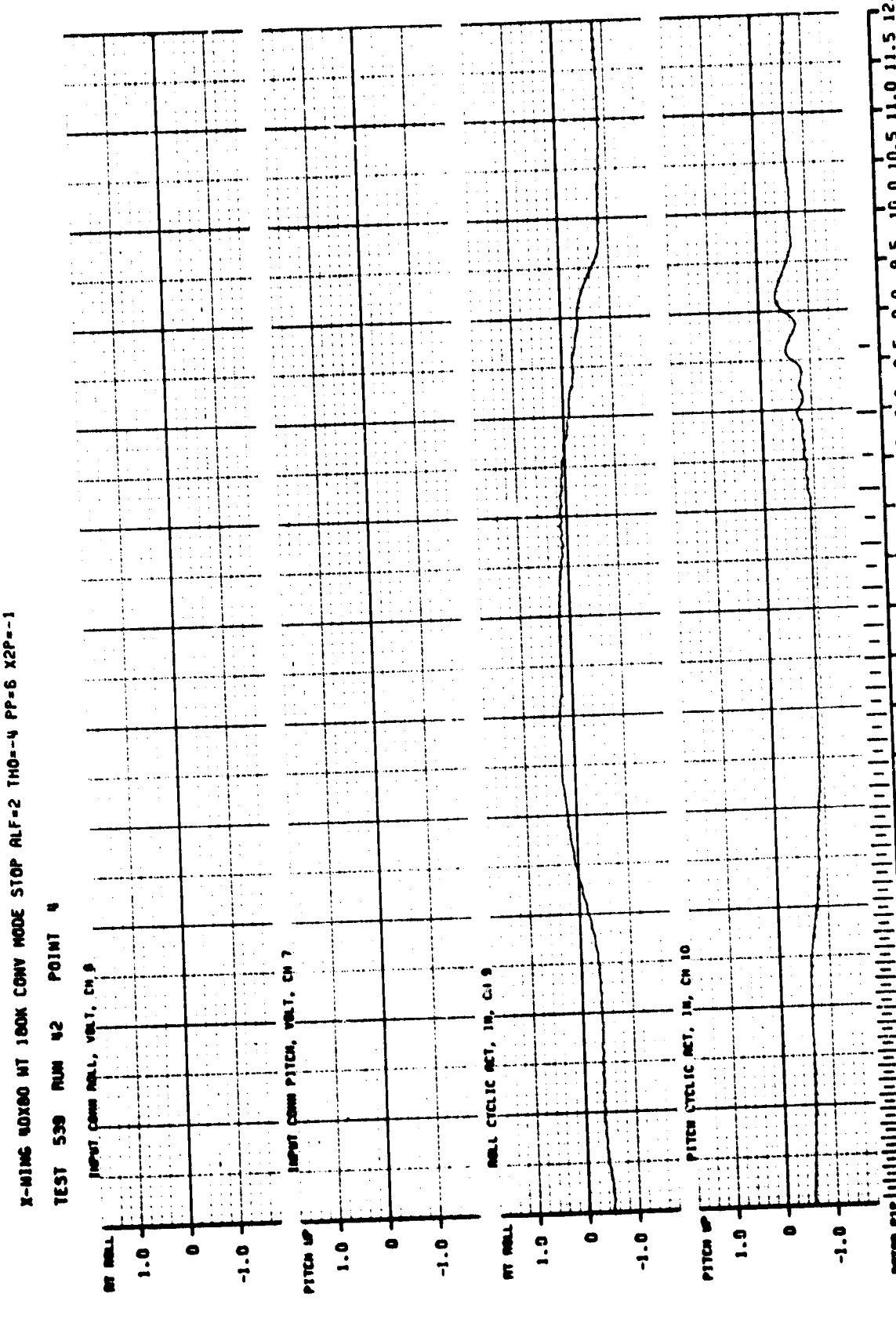
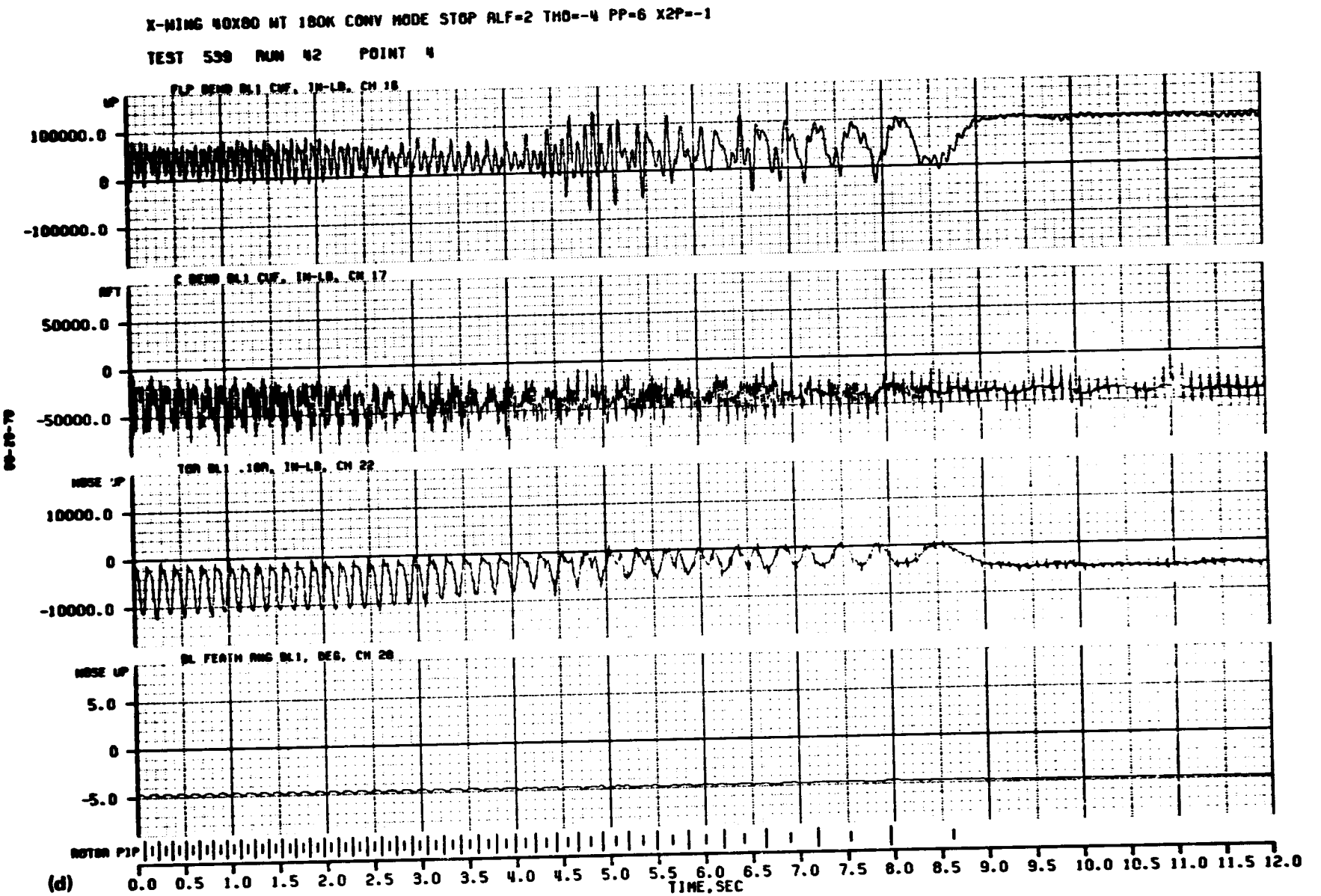


(c)

Figure 6.- Continued.



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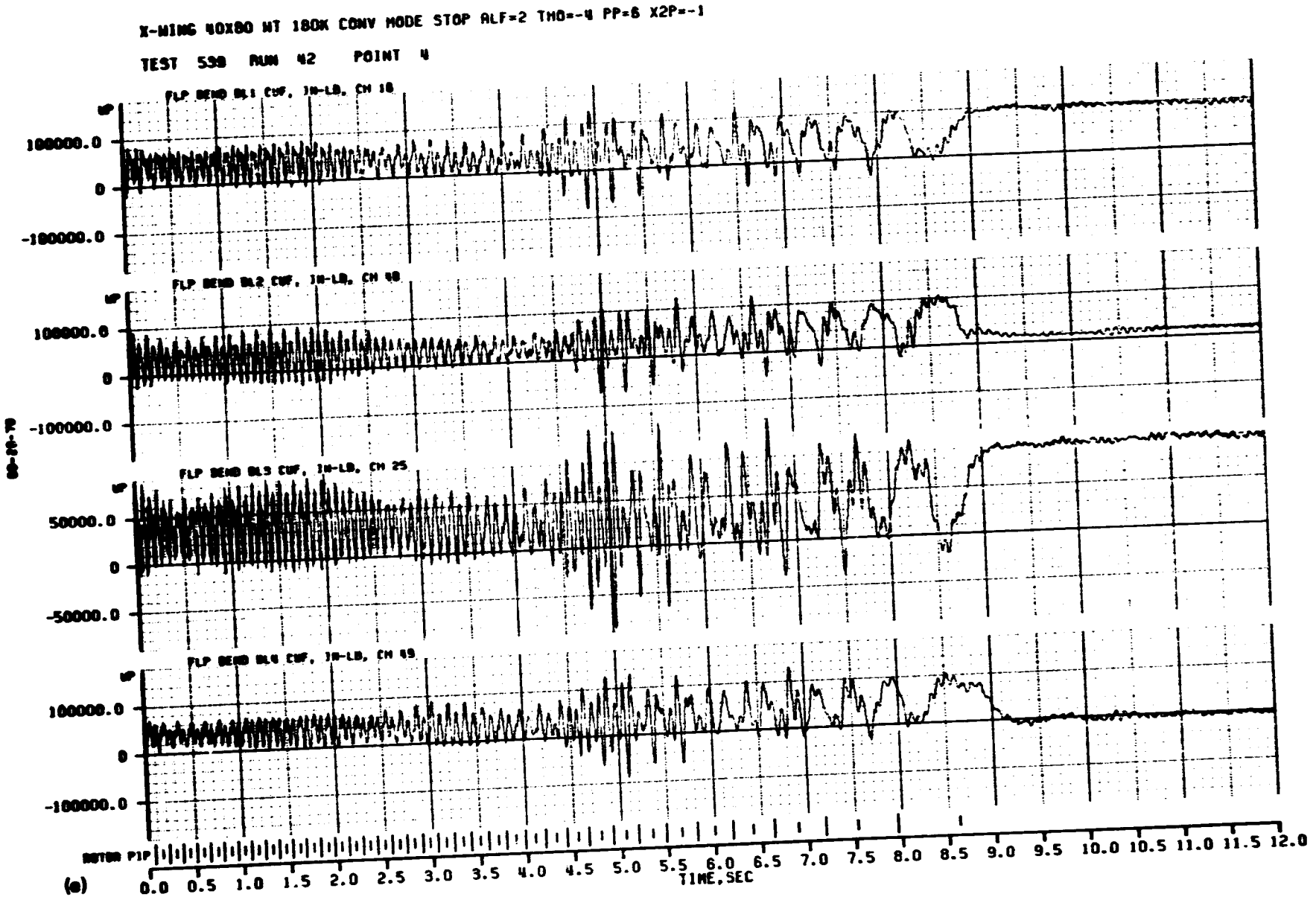

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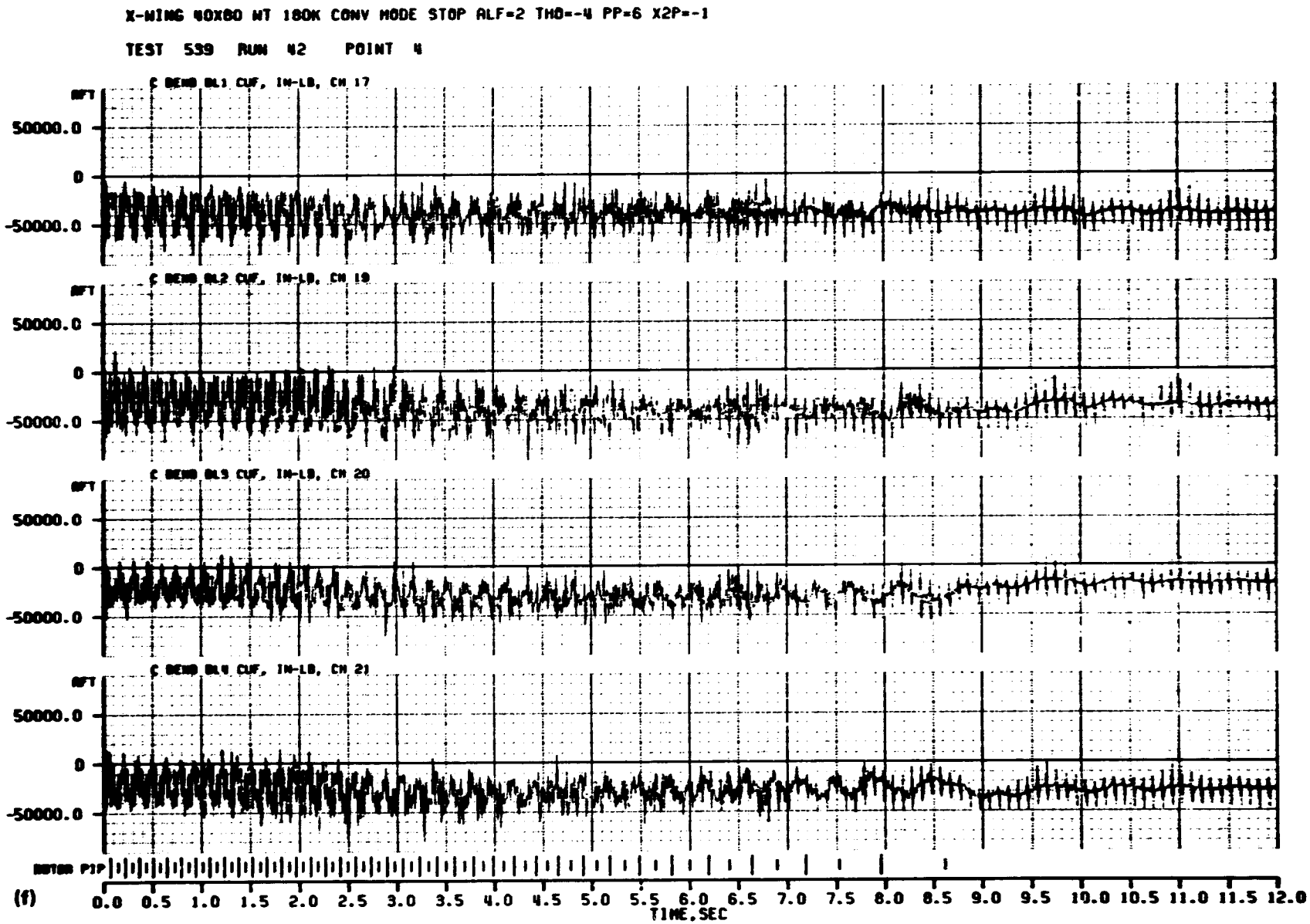


Figure 6.- Continued.

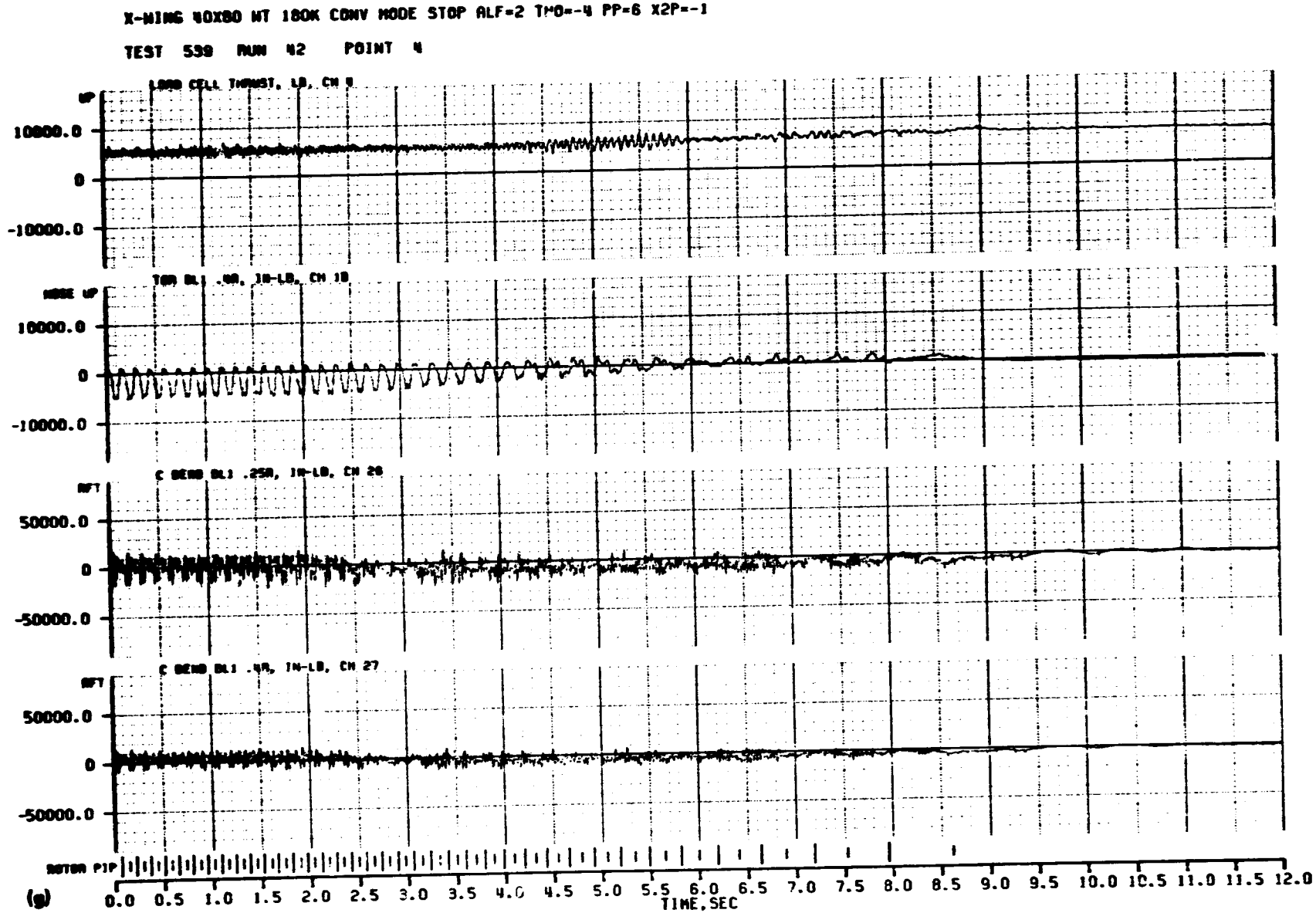
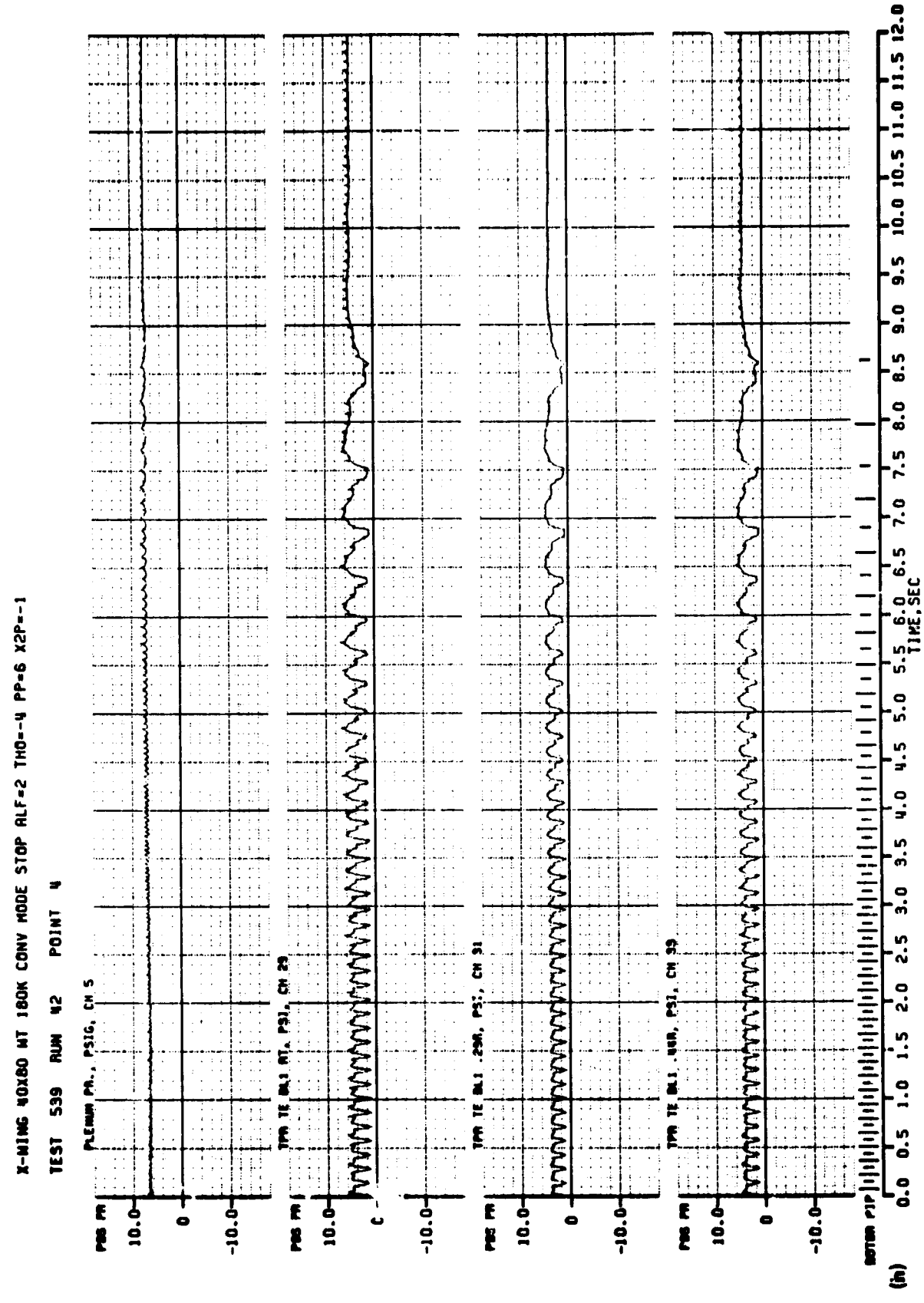


Figure 6.- Continued.

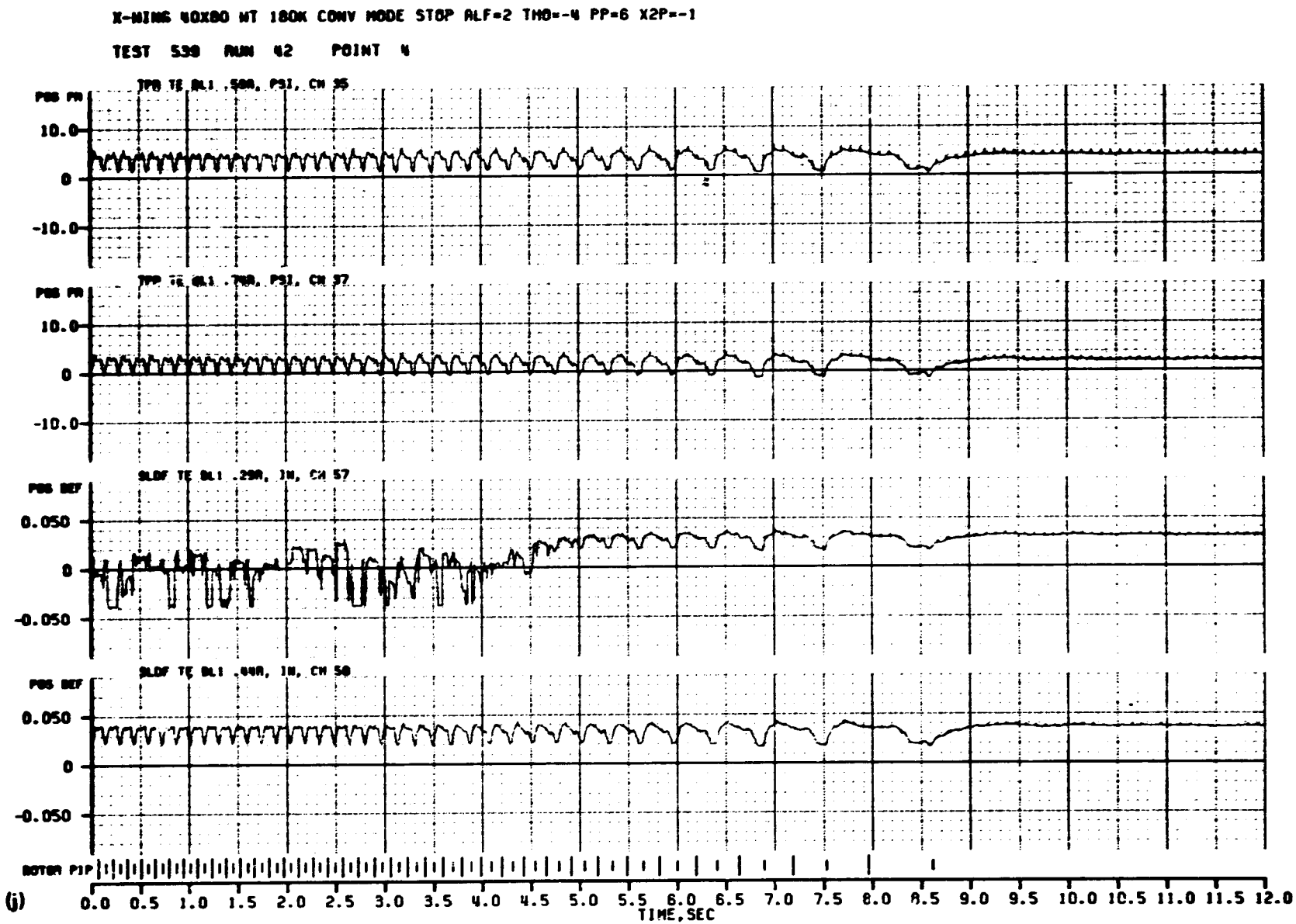


(h)

Figure 6.- Continued.

(i)

Figure 6.- Continued.



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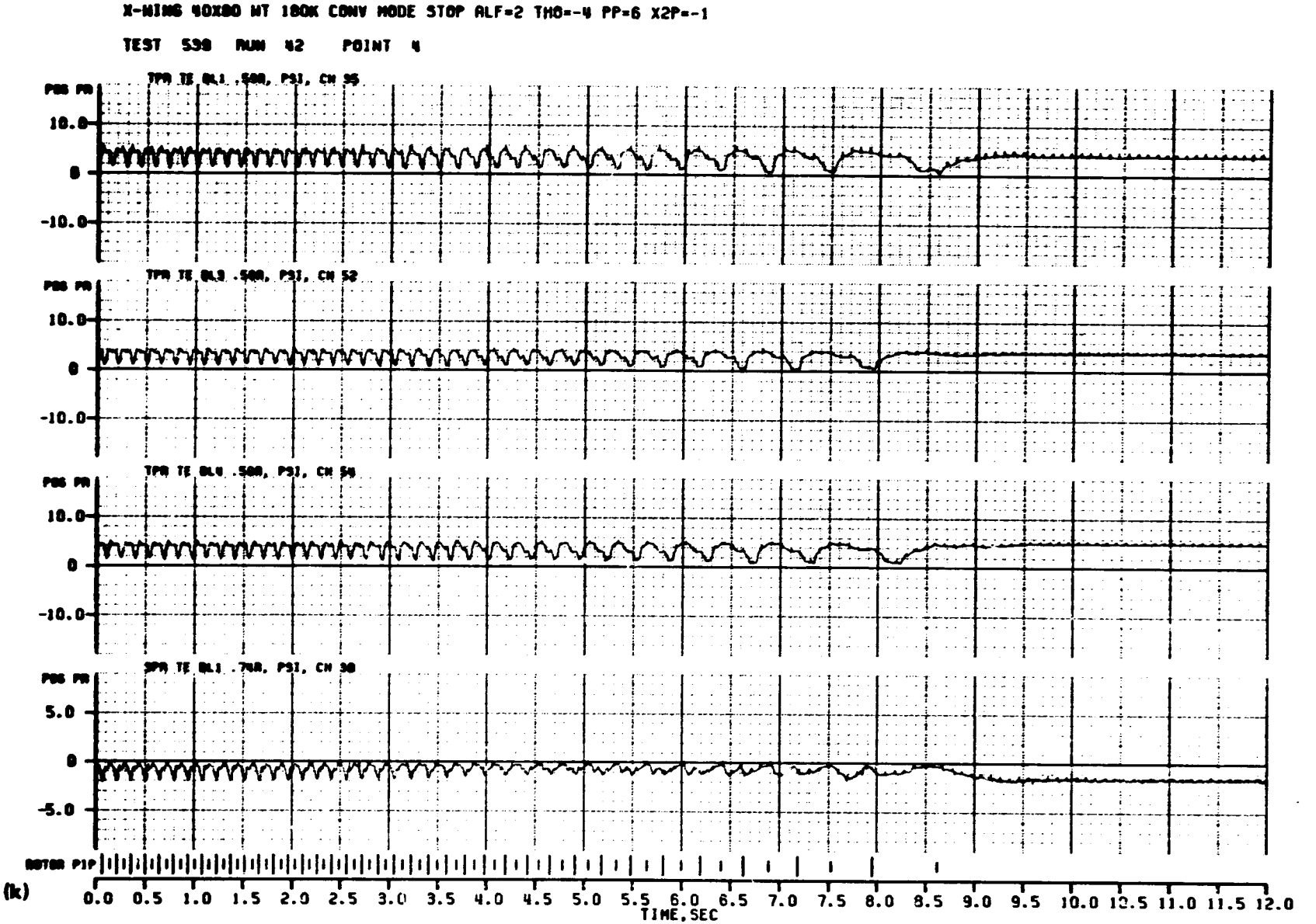

(k)

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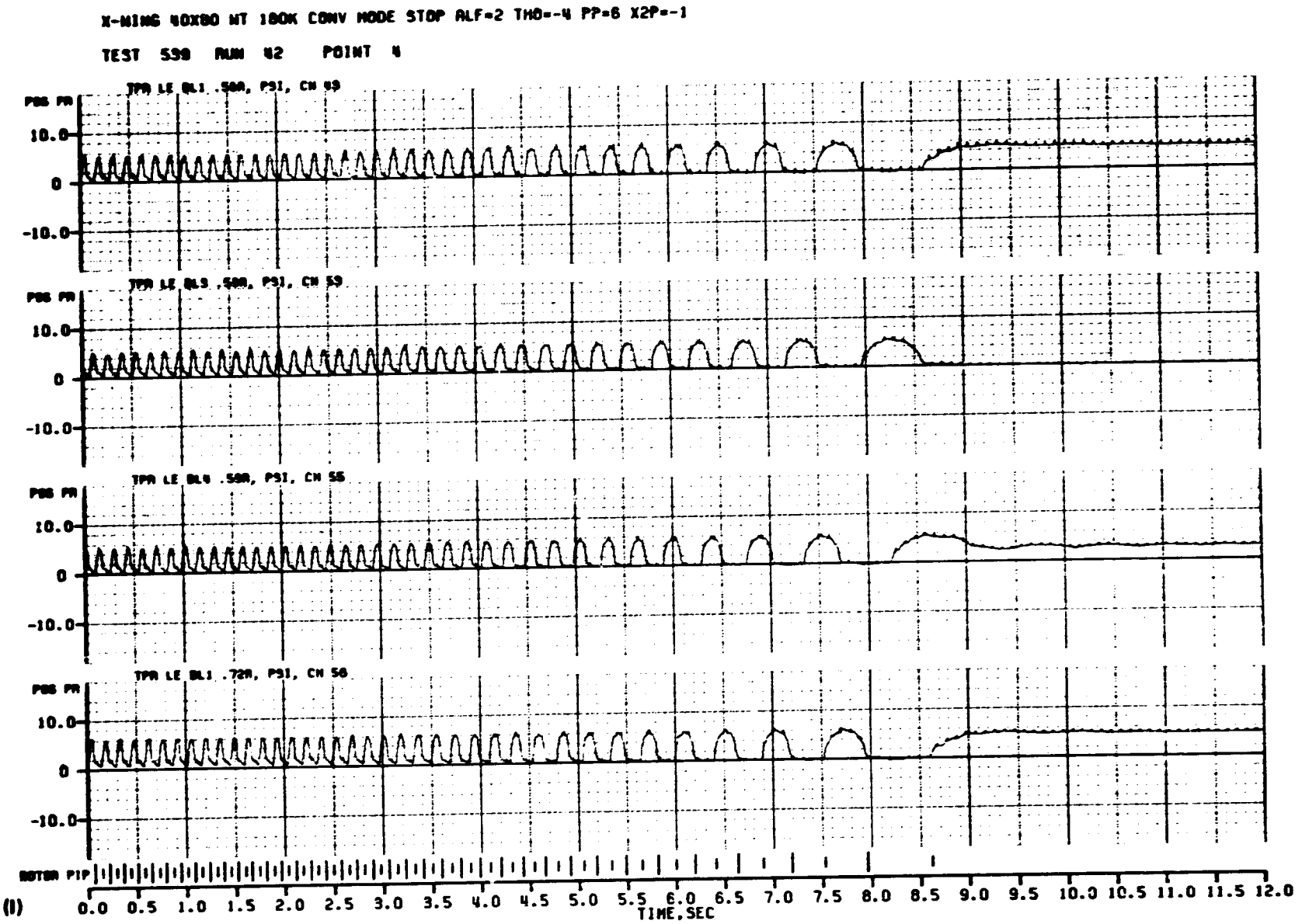

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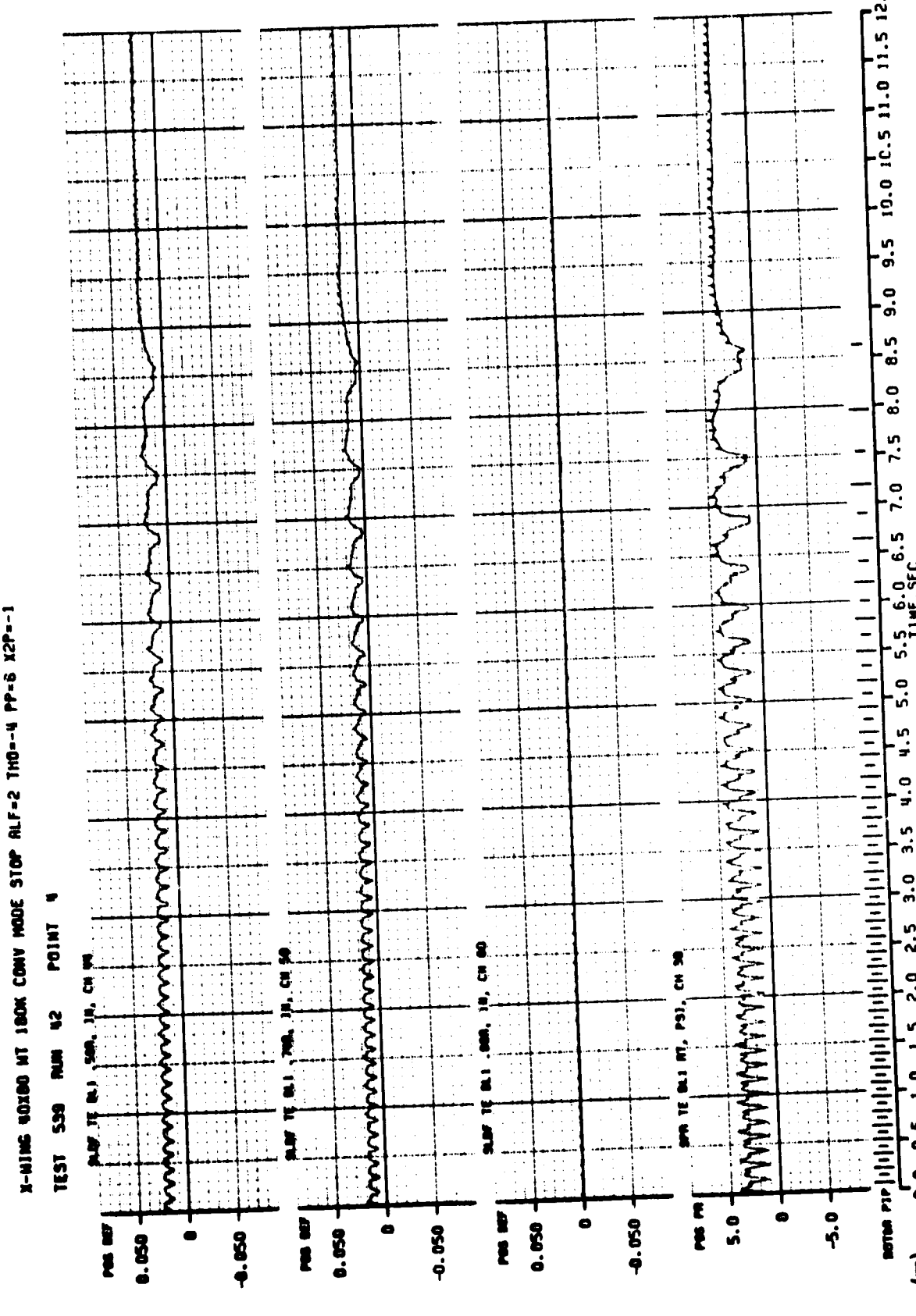

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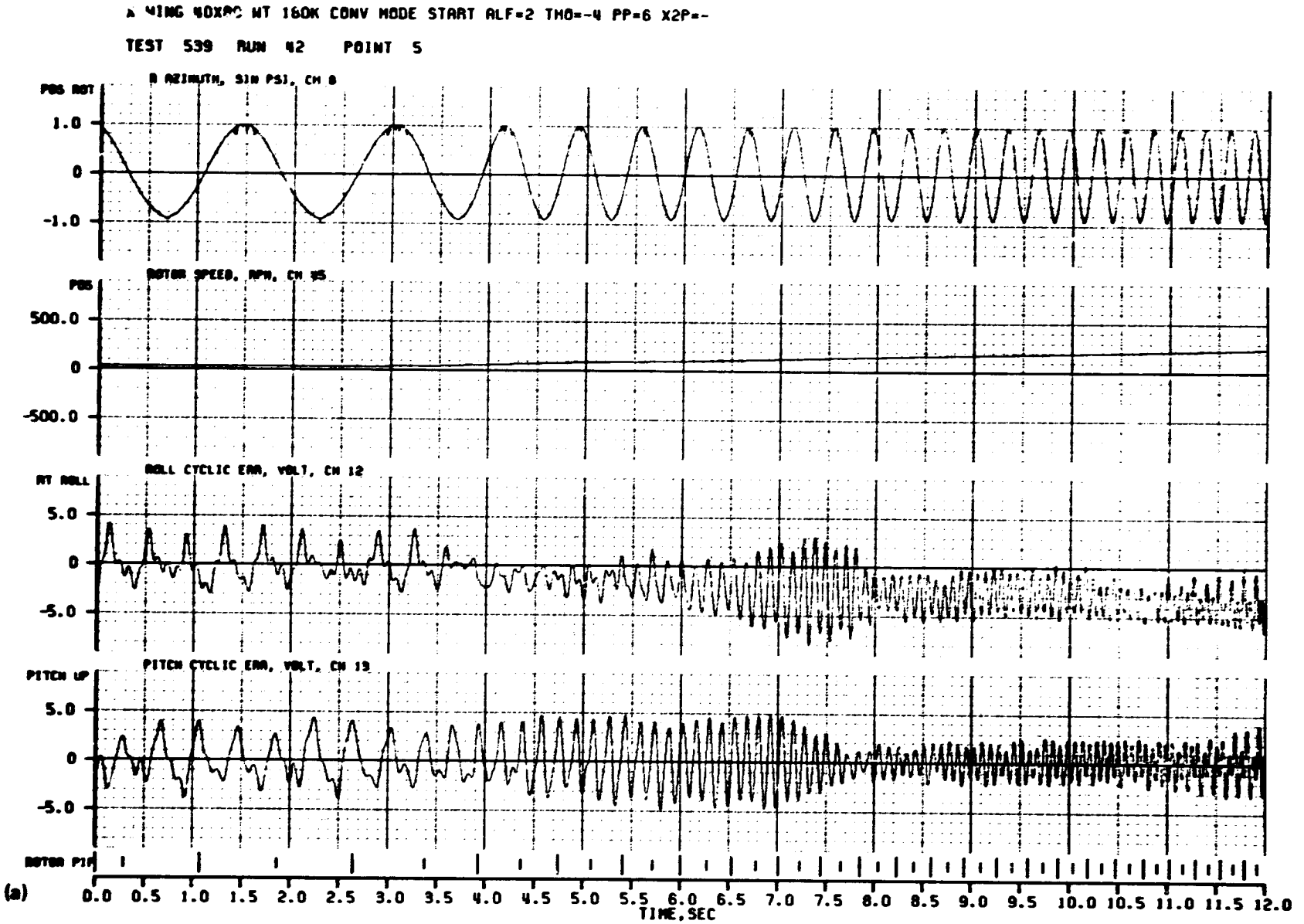
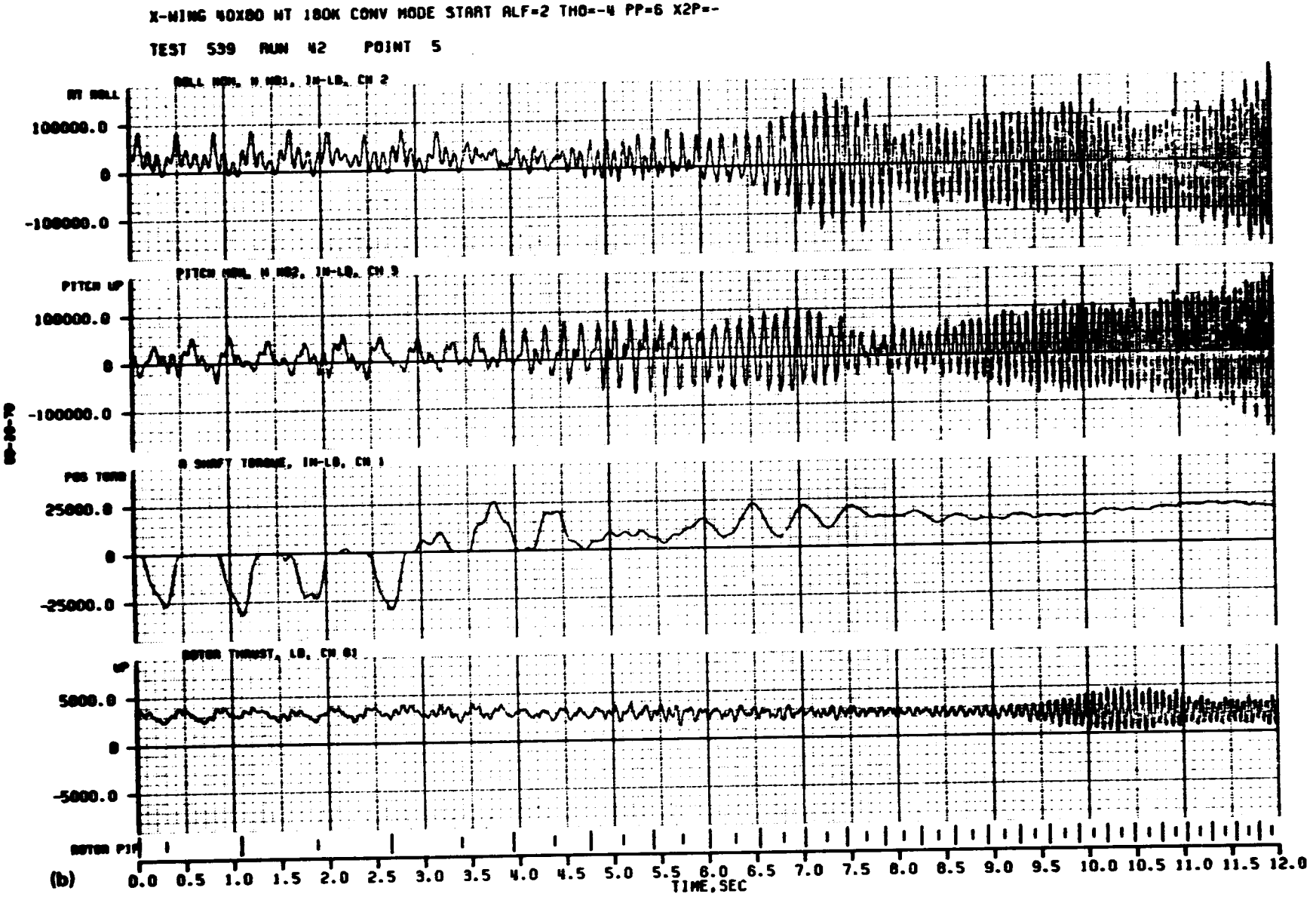


Figure 7.- Time history of run 42, data point 5, rotor transient from fixed-wing to rotary-wing mode.



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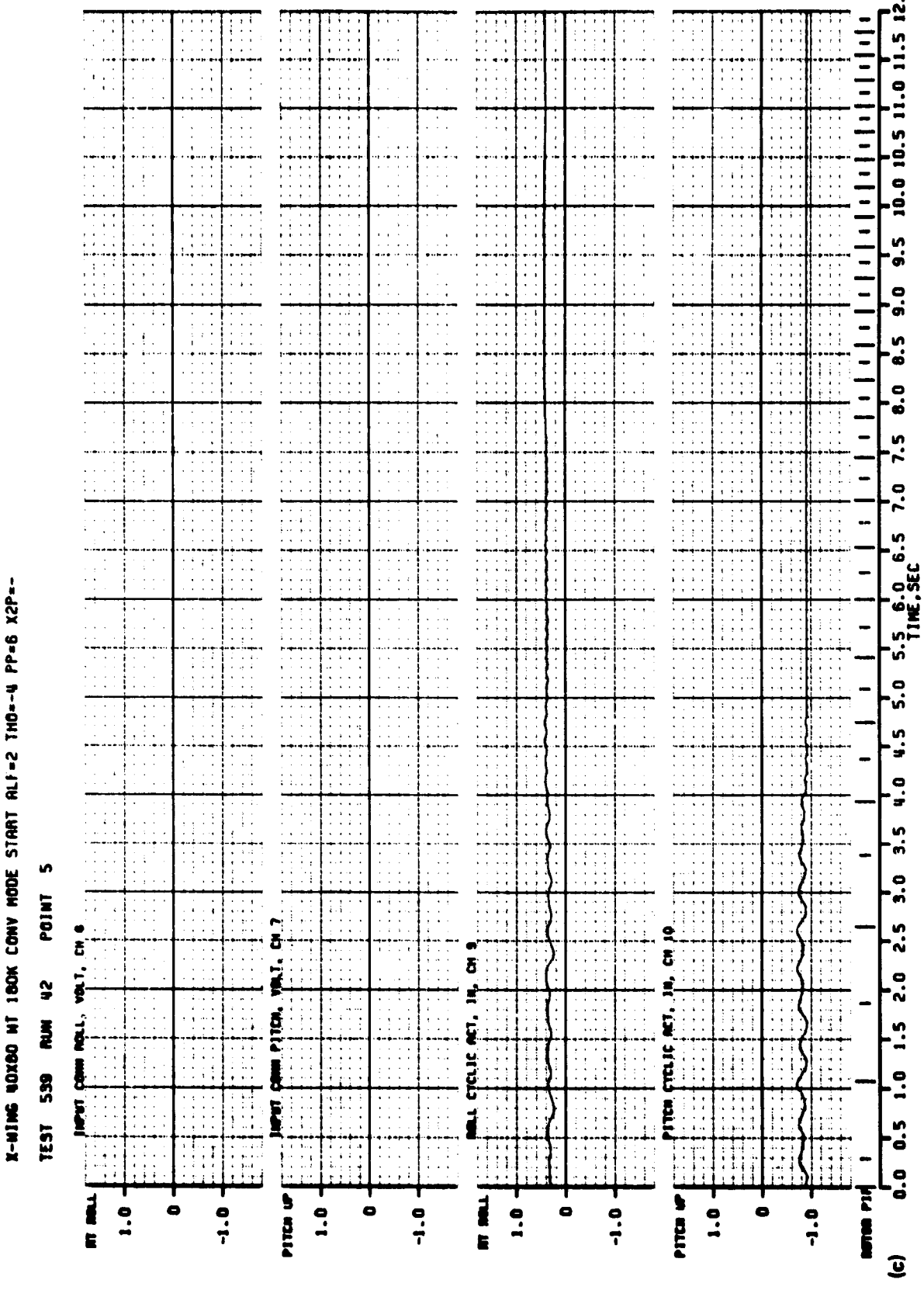

(c)

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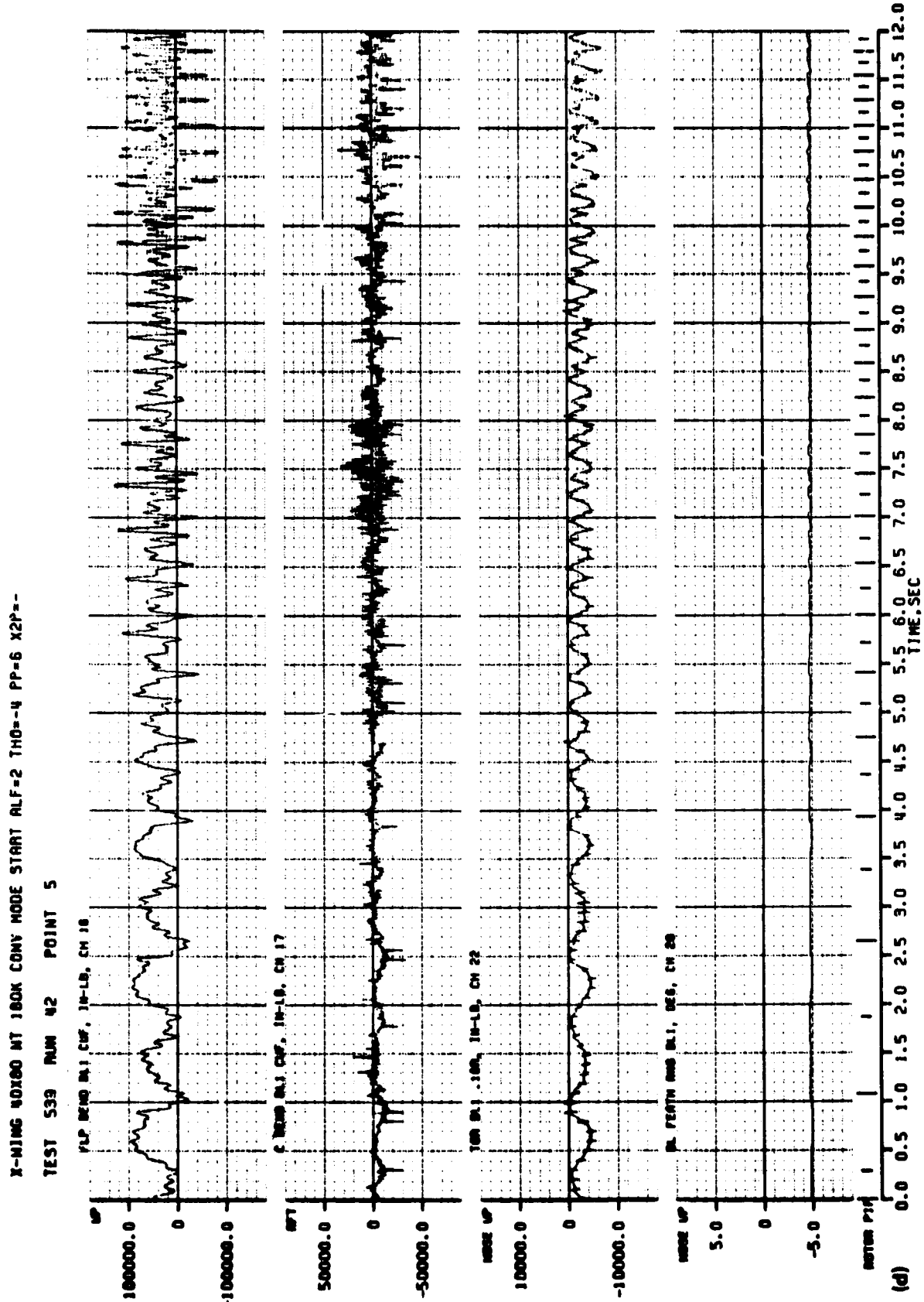

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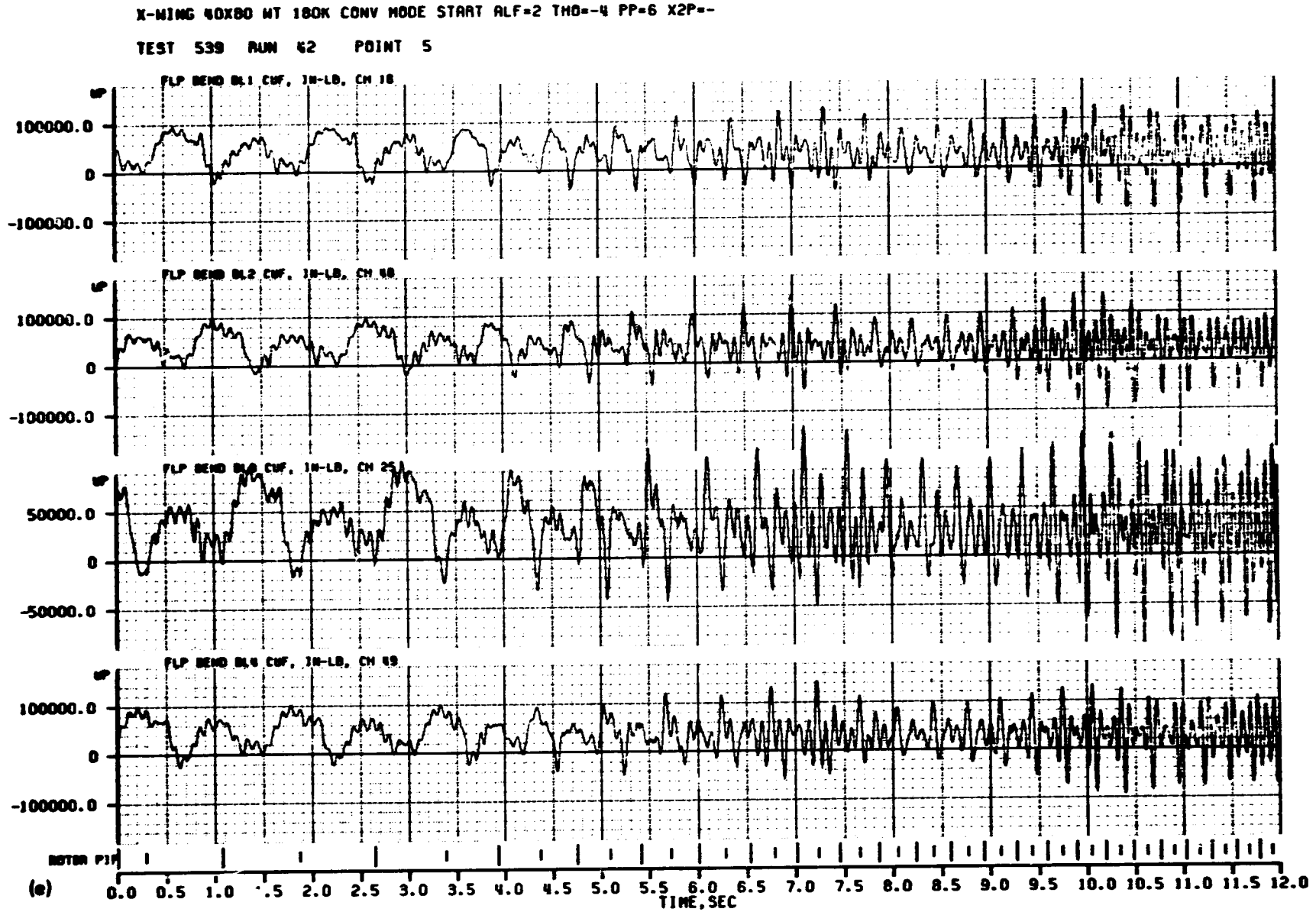

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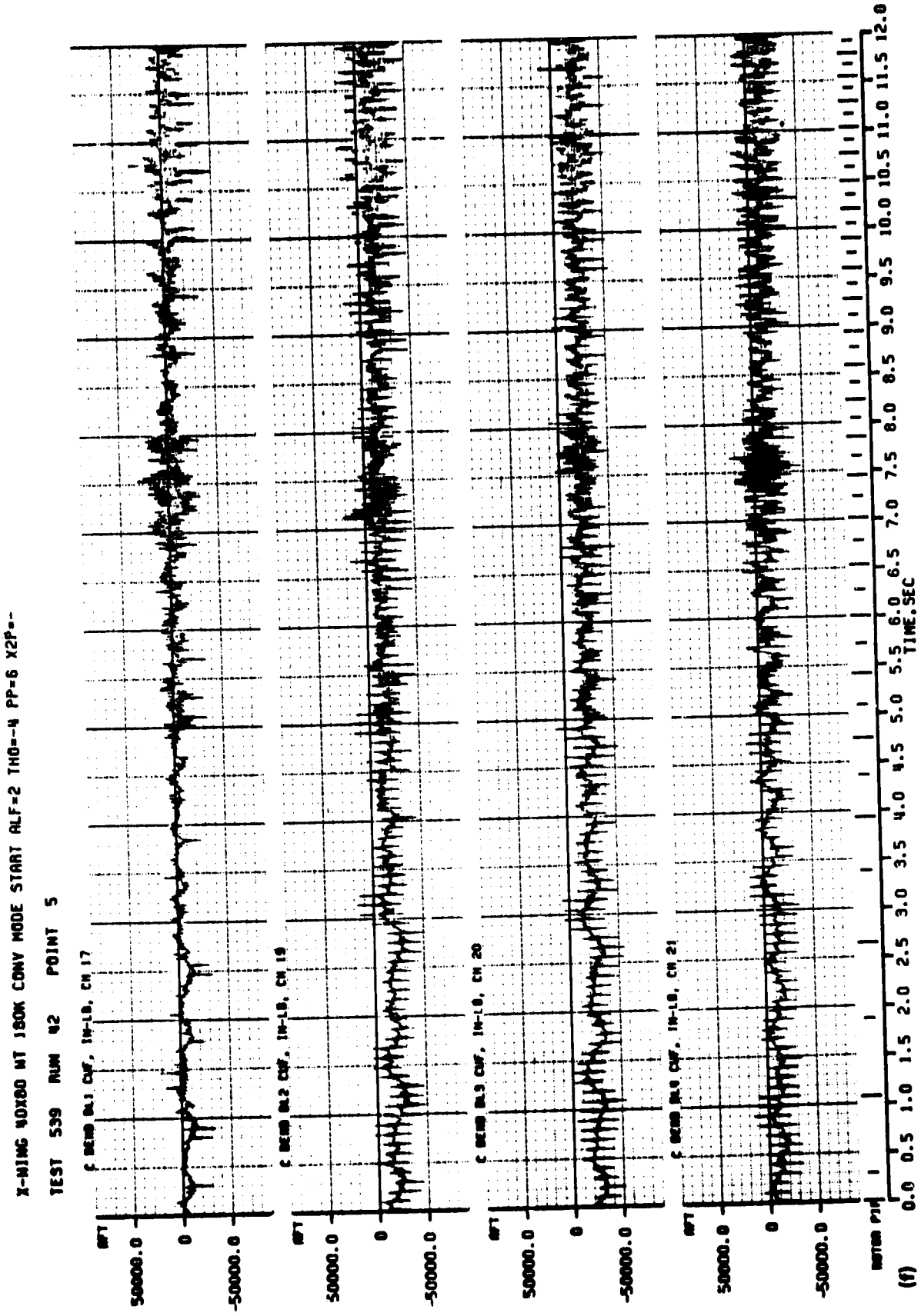

(f)

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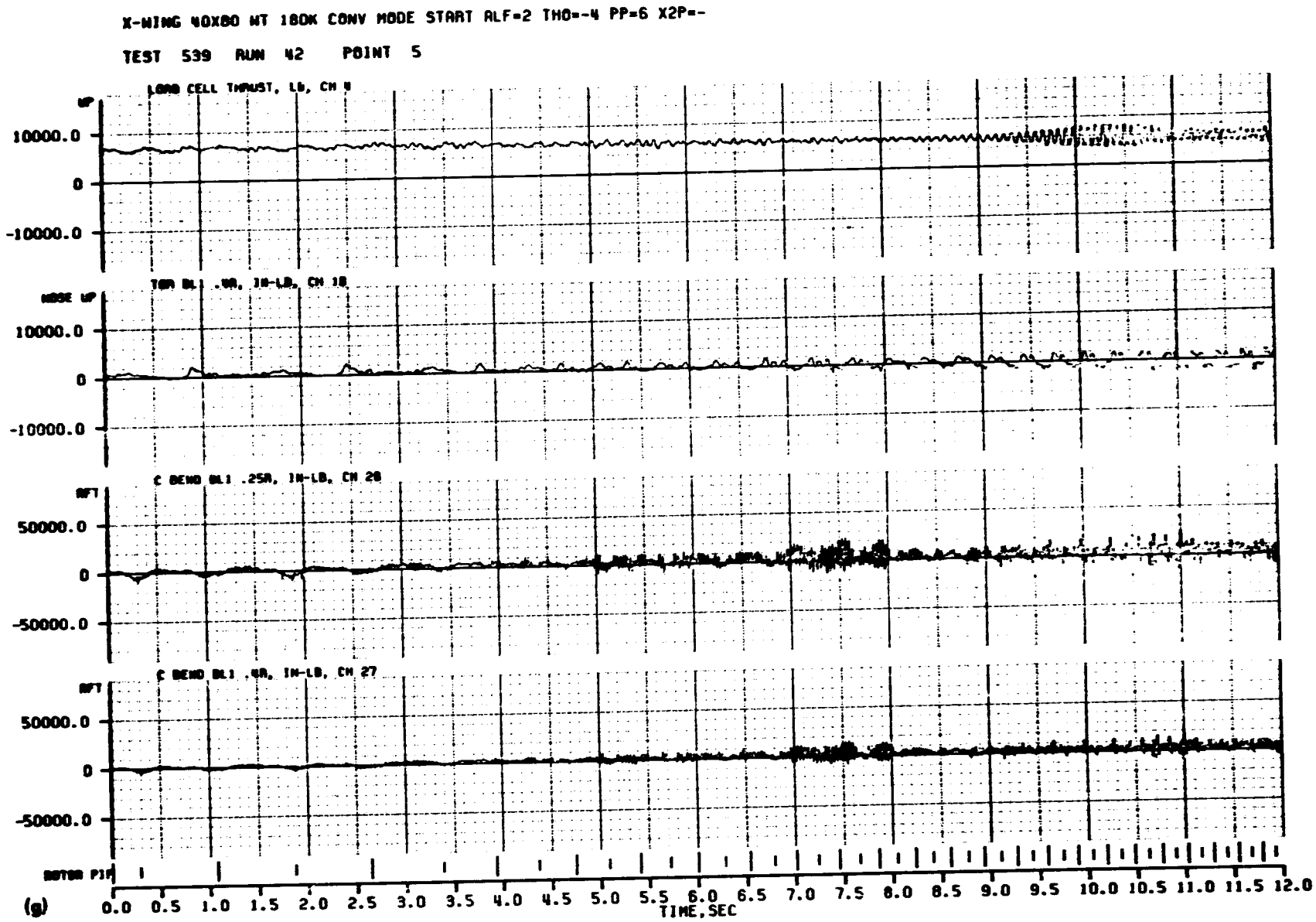

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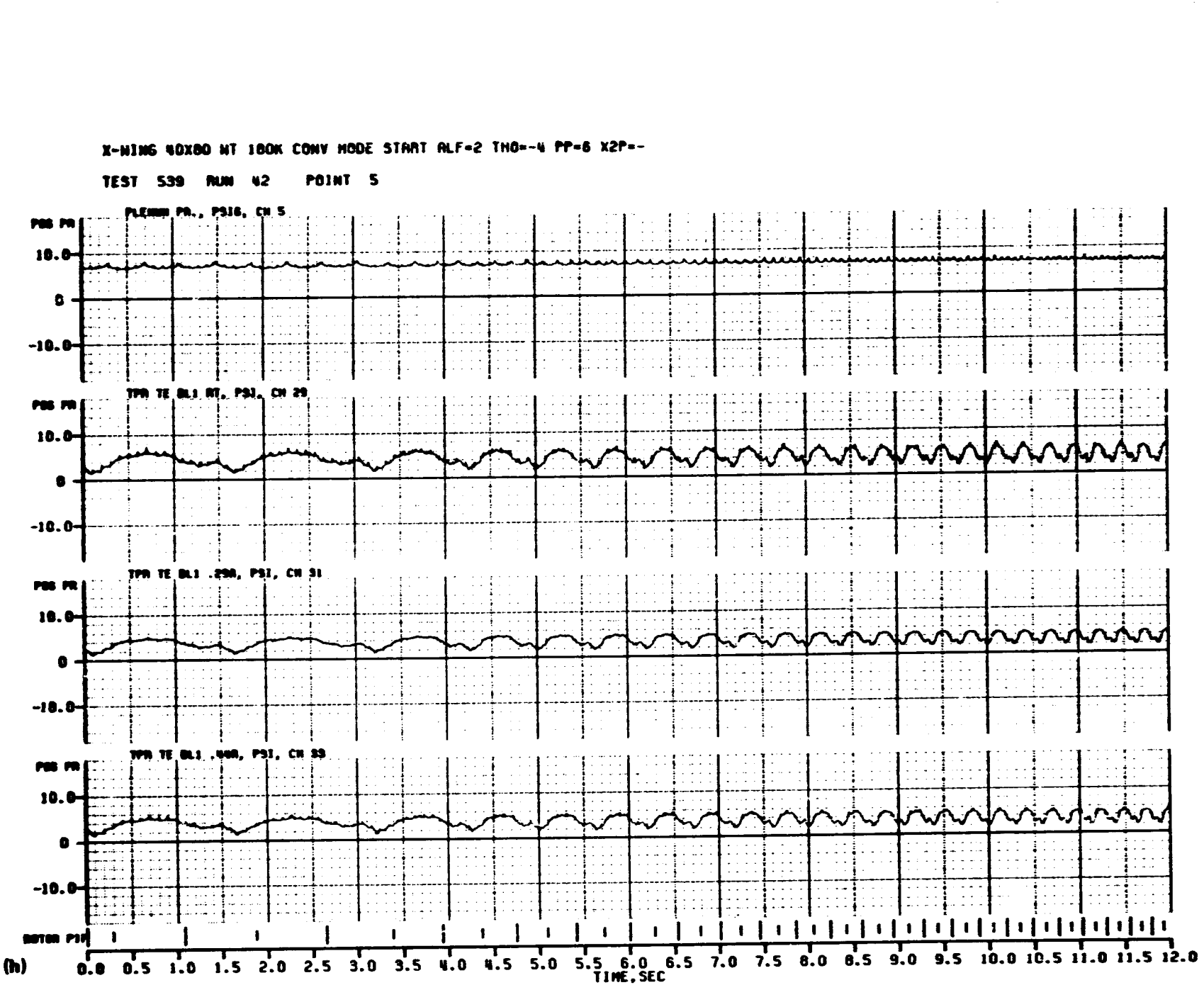

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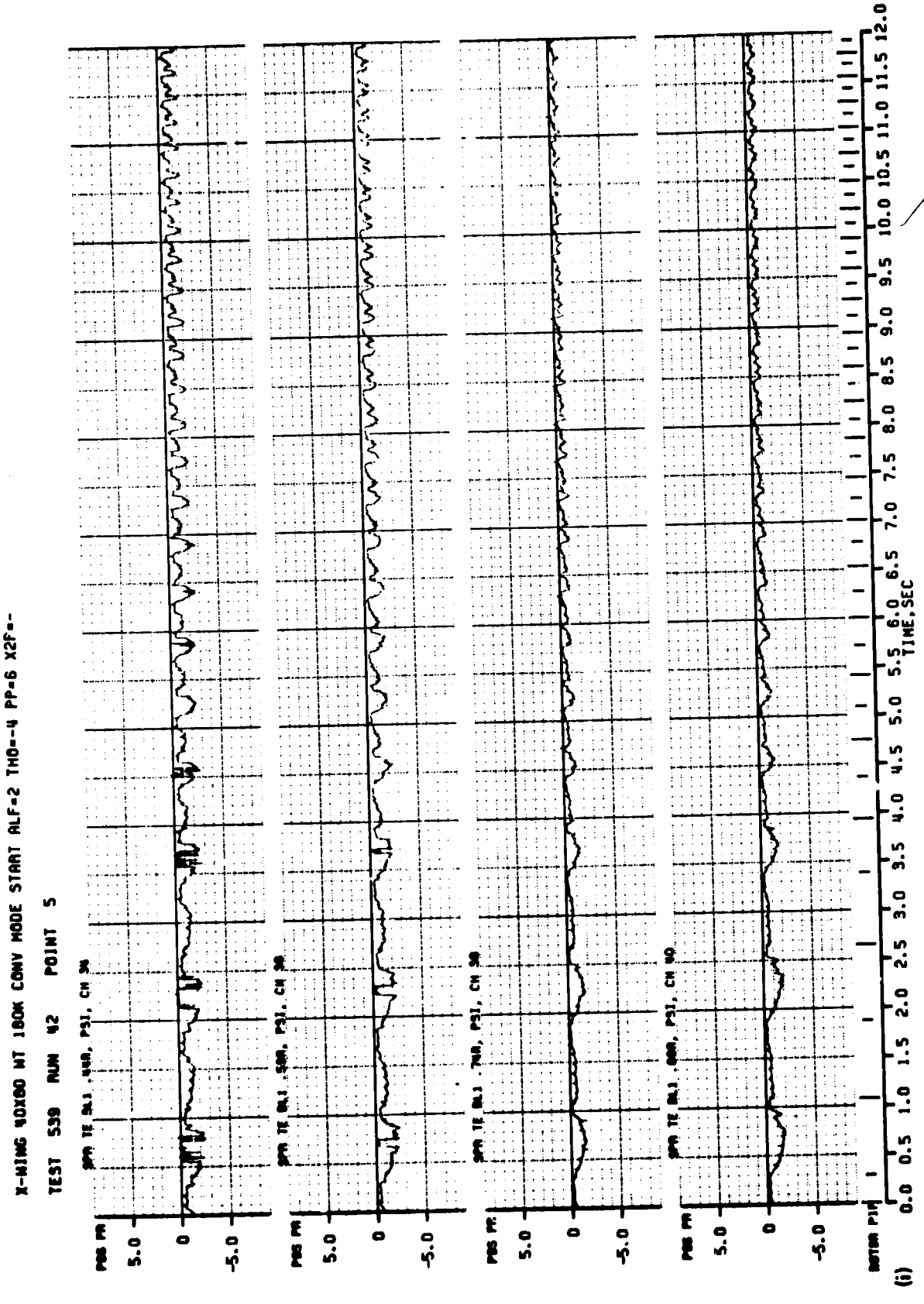

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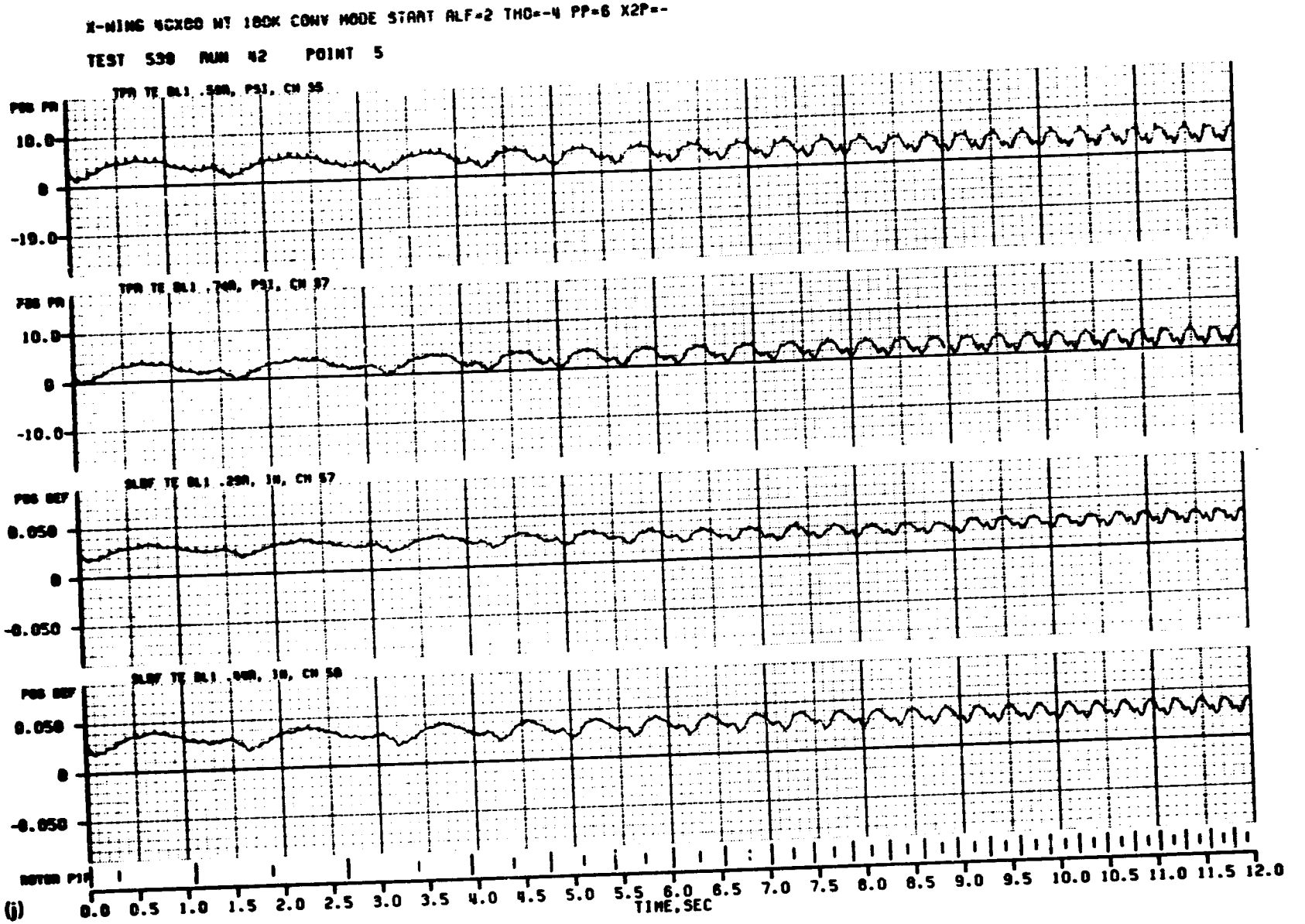

(j)

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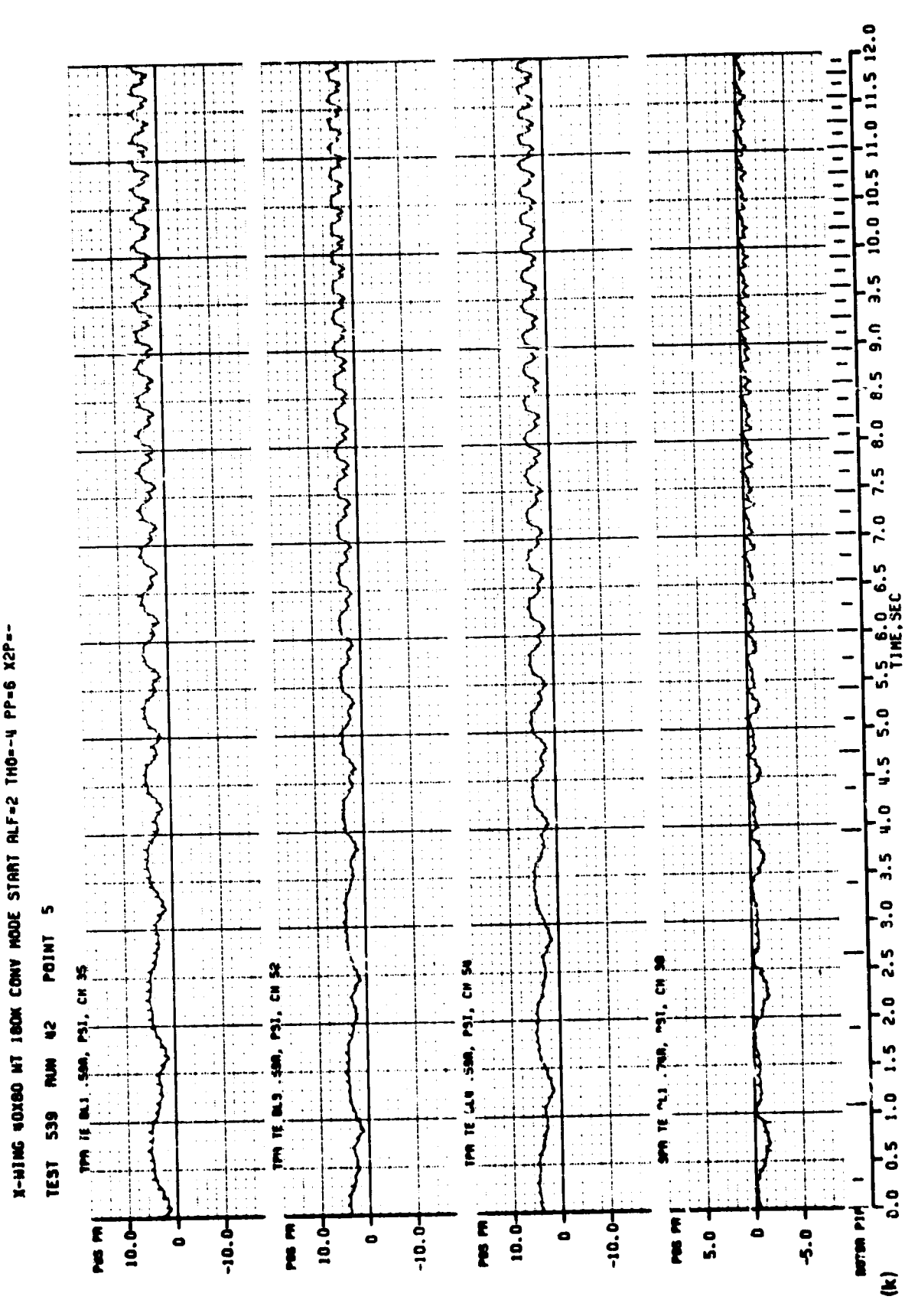

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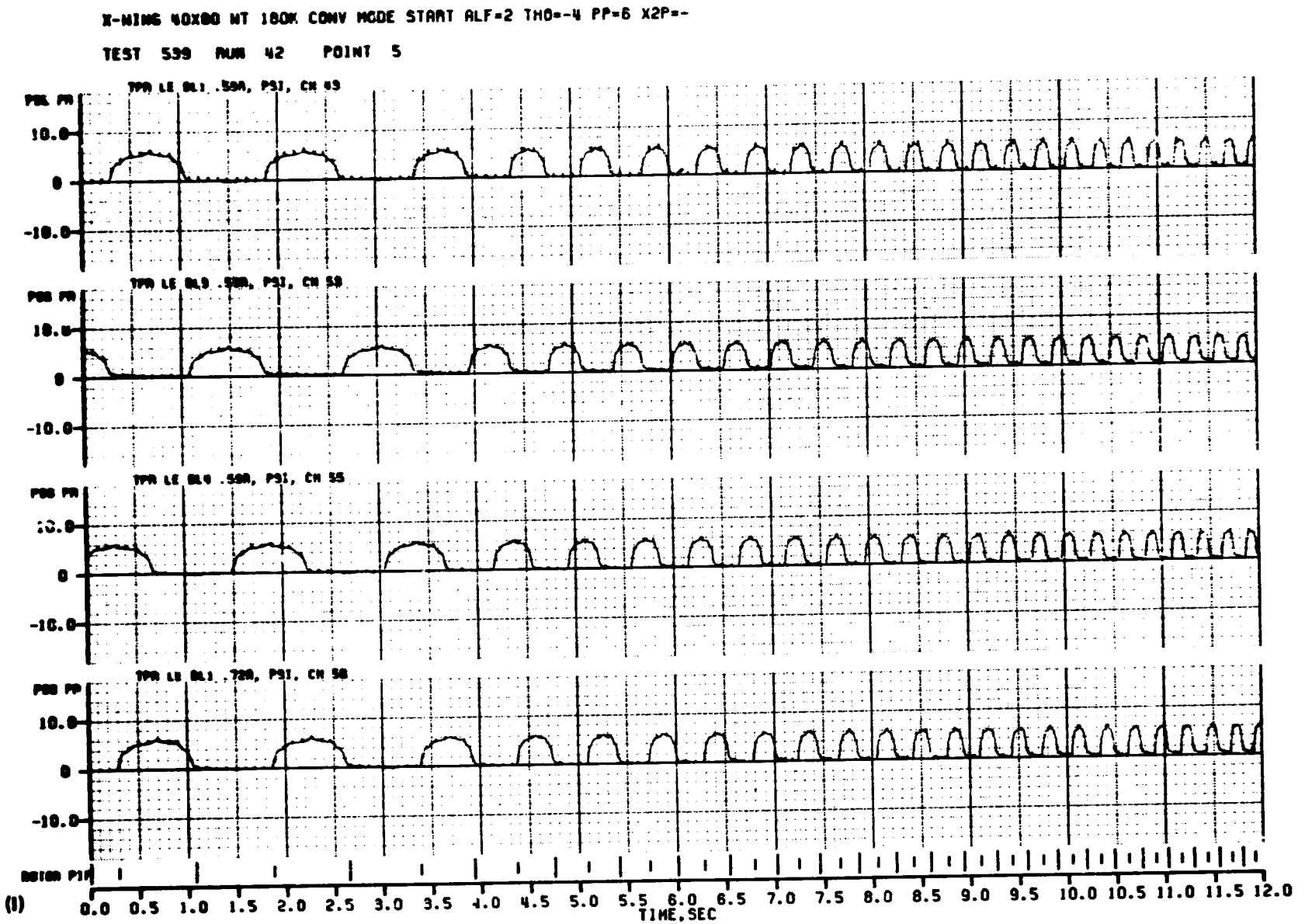

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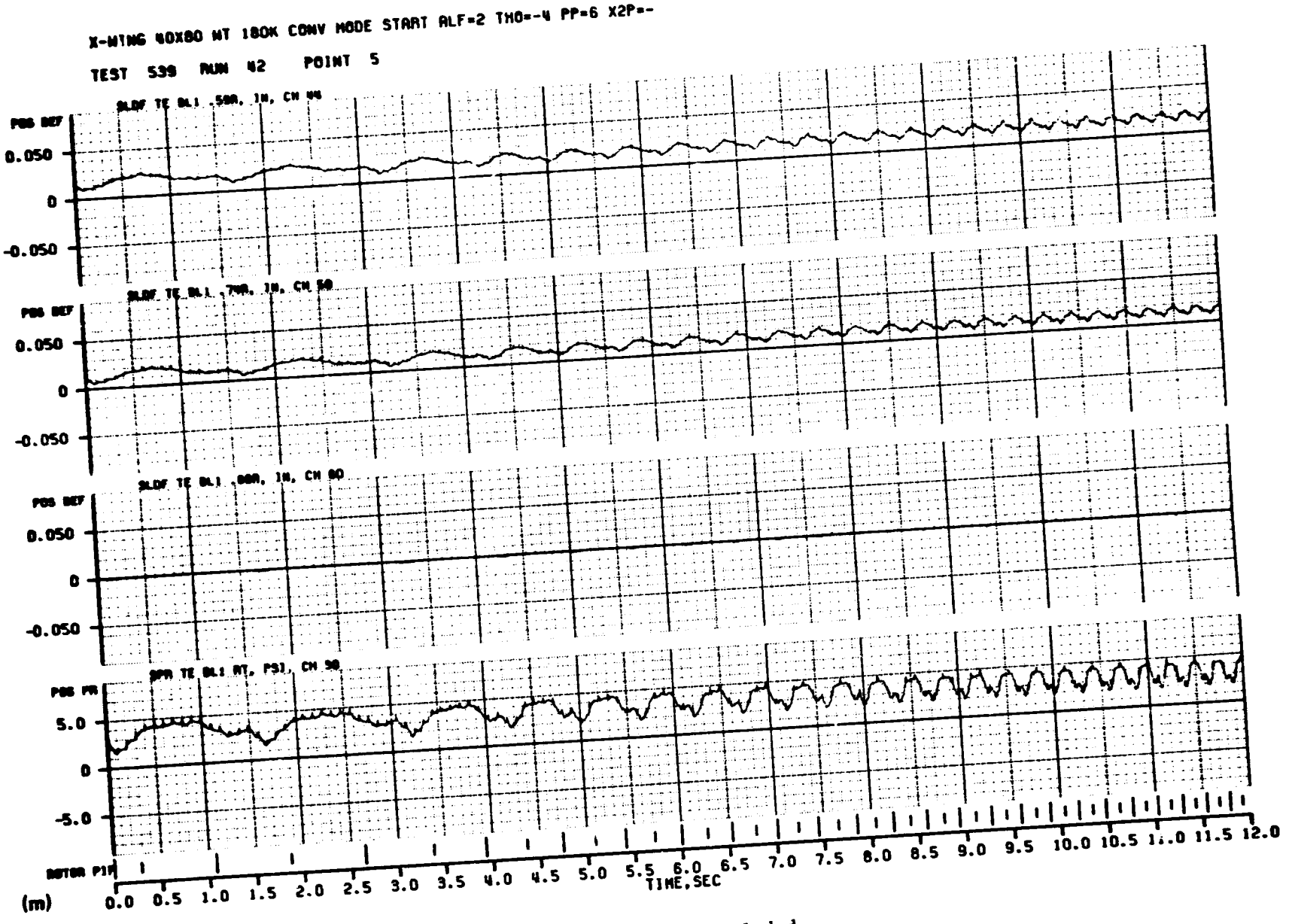

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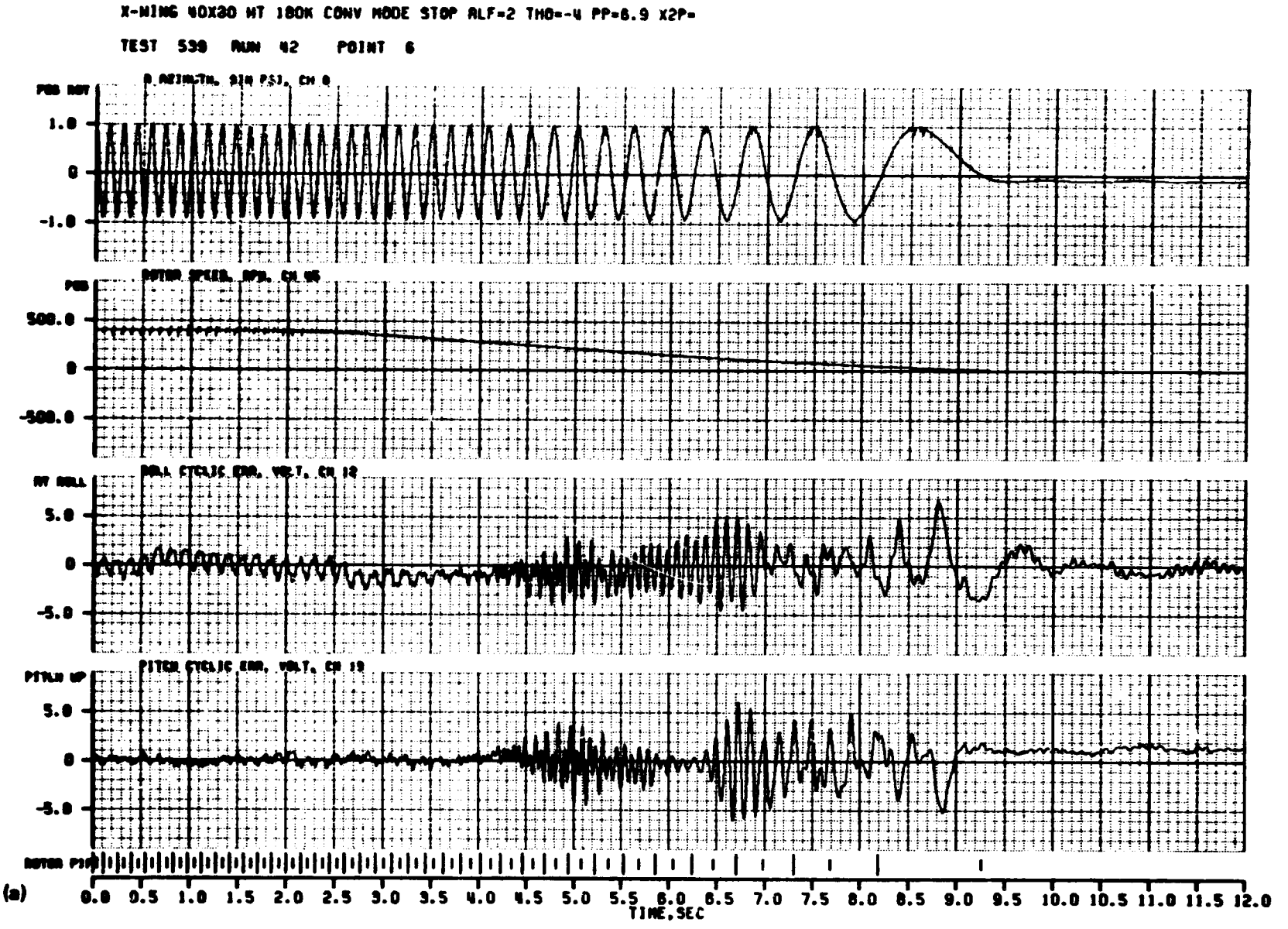
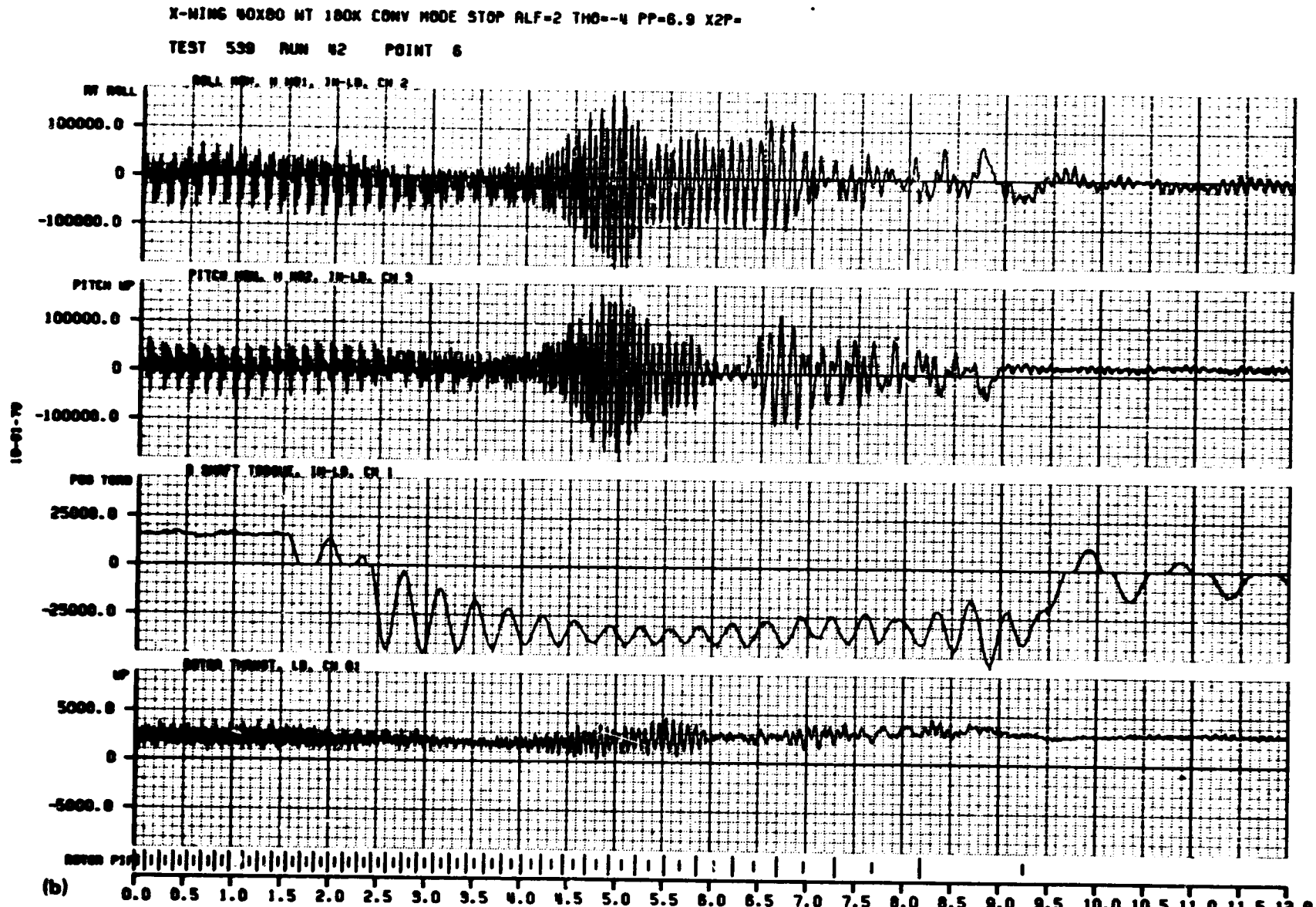


Figure 8.- Time history of run 42, data point 6, rotor transient from rotary-wing to fixed-wing mode.



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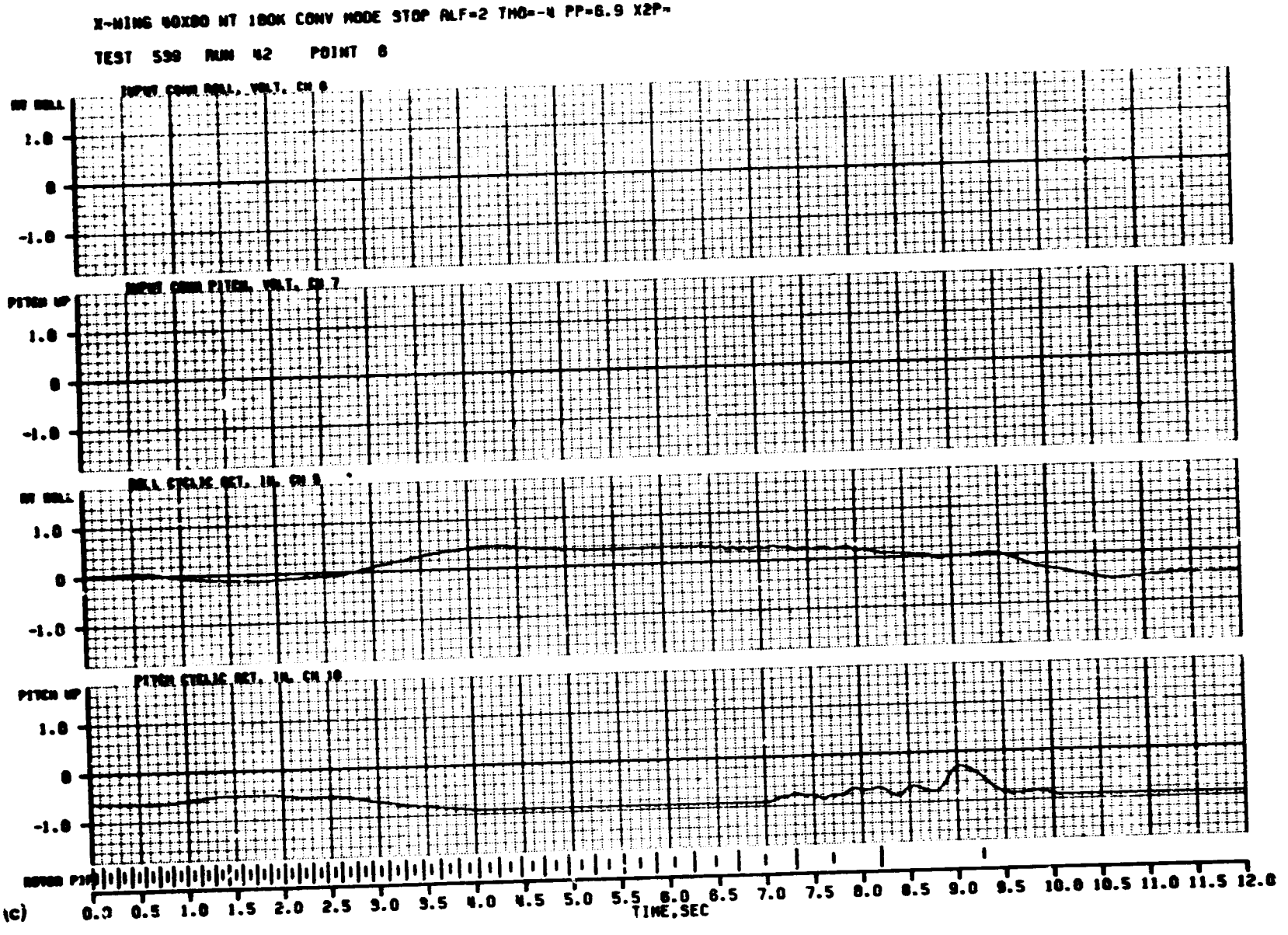
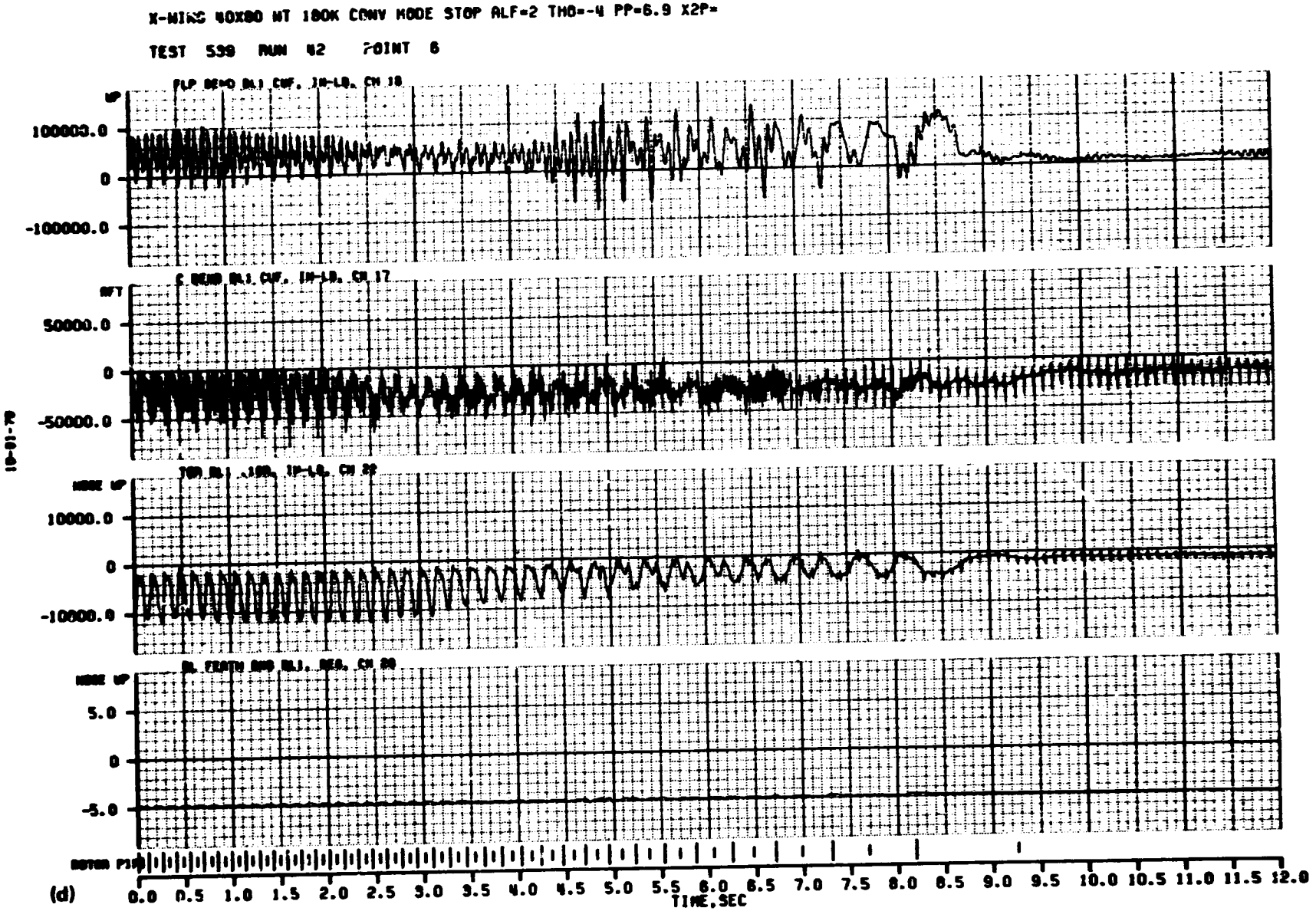


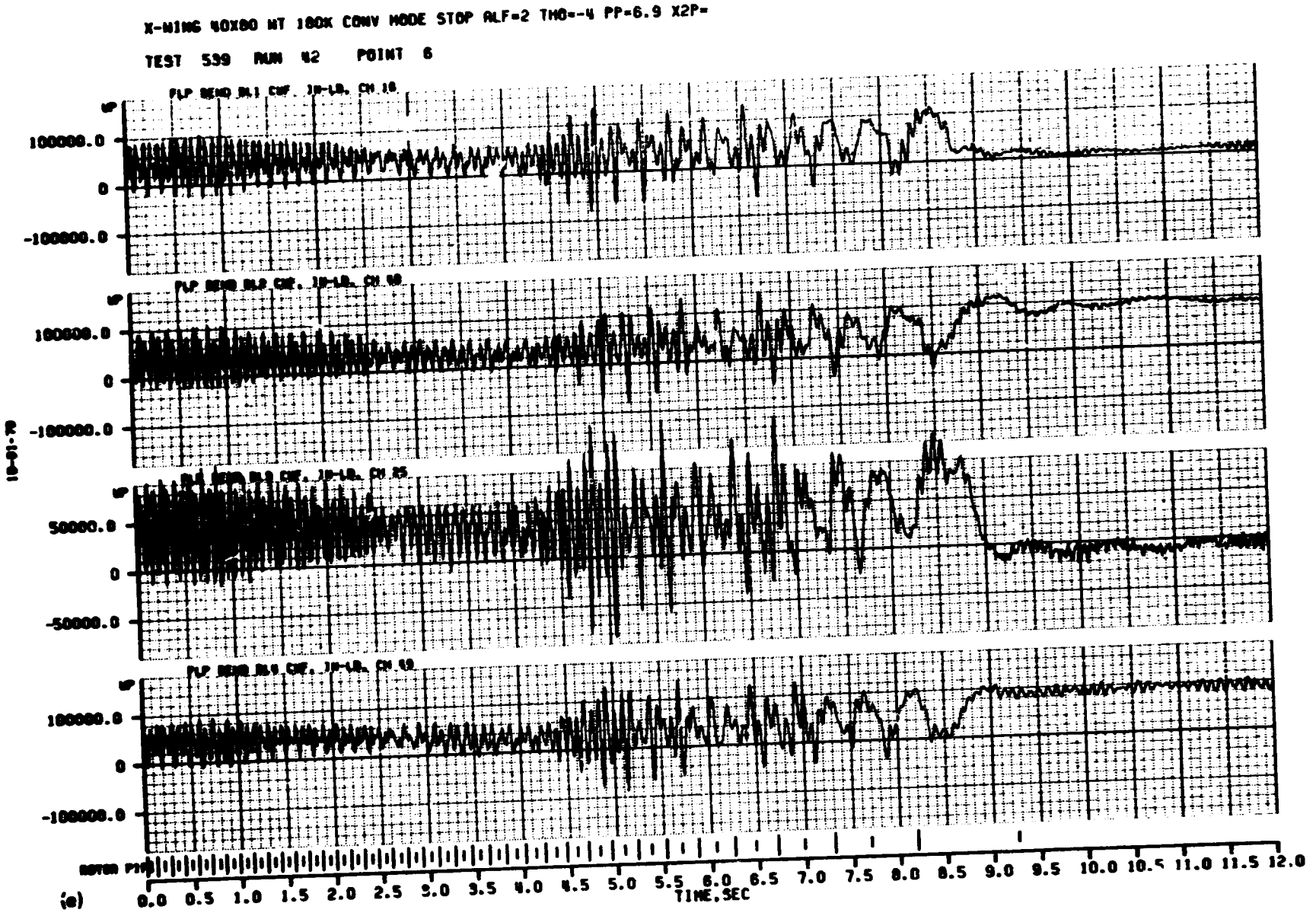
(c)

Figure 8.- Continued.



(d)

Figure 8.- Continued.



(a)

Figure 8.- Continued.

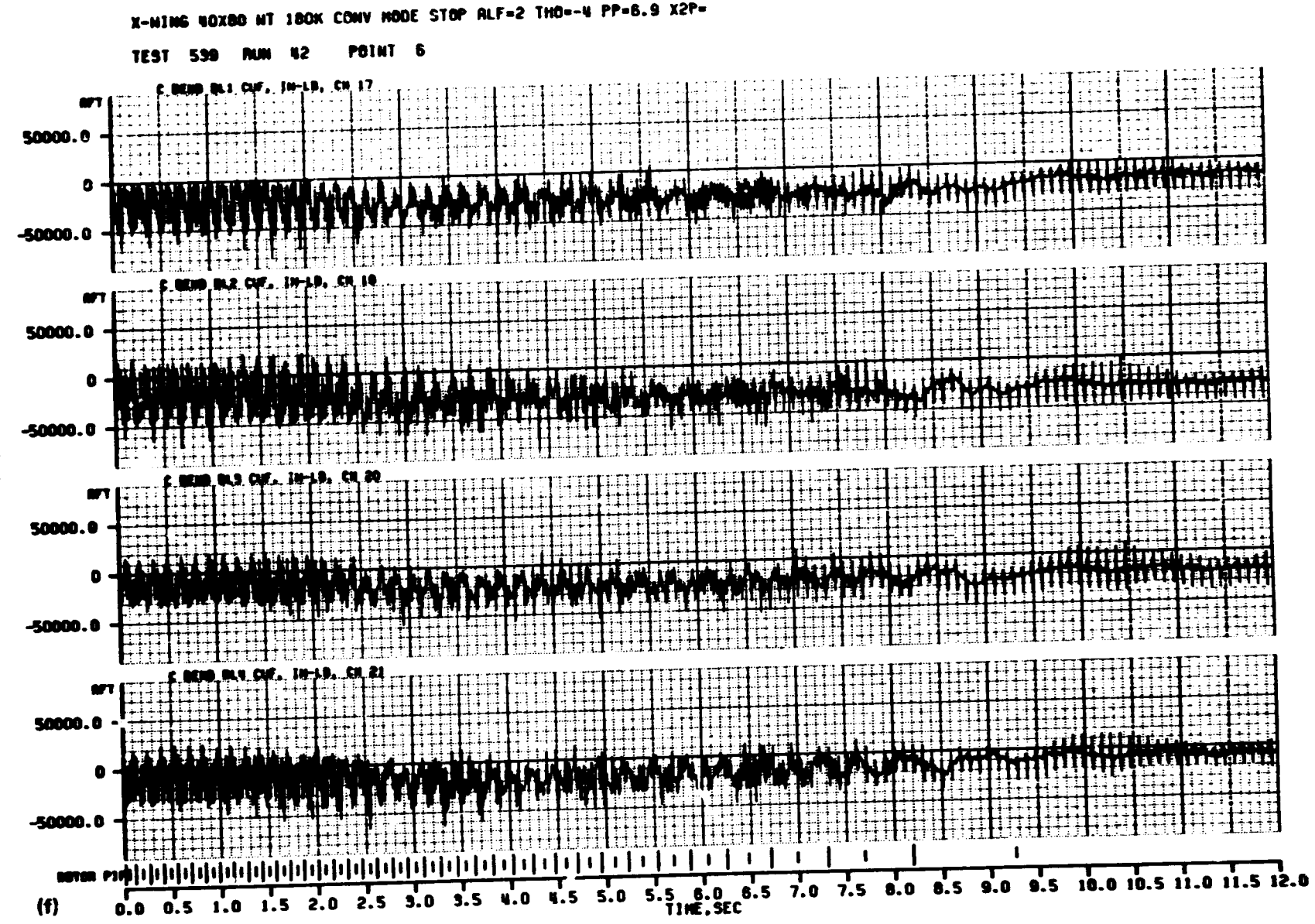


Figure 8.- Continued.

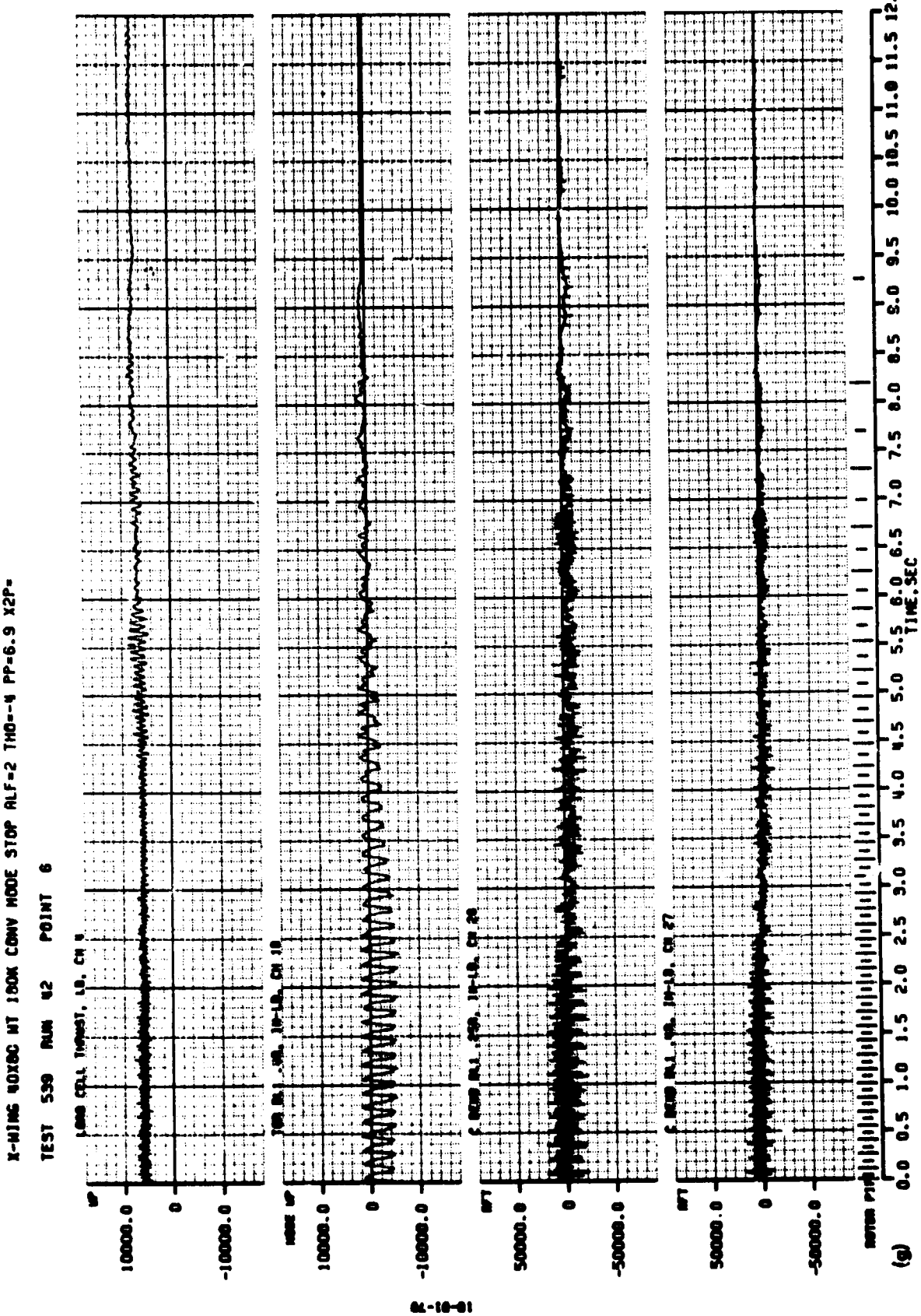
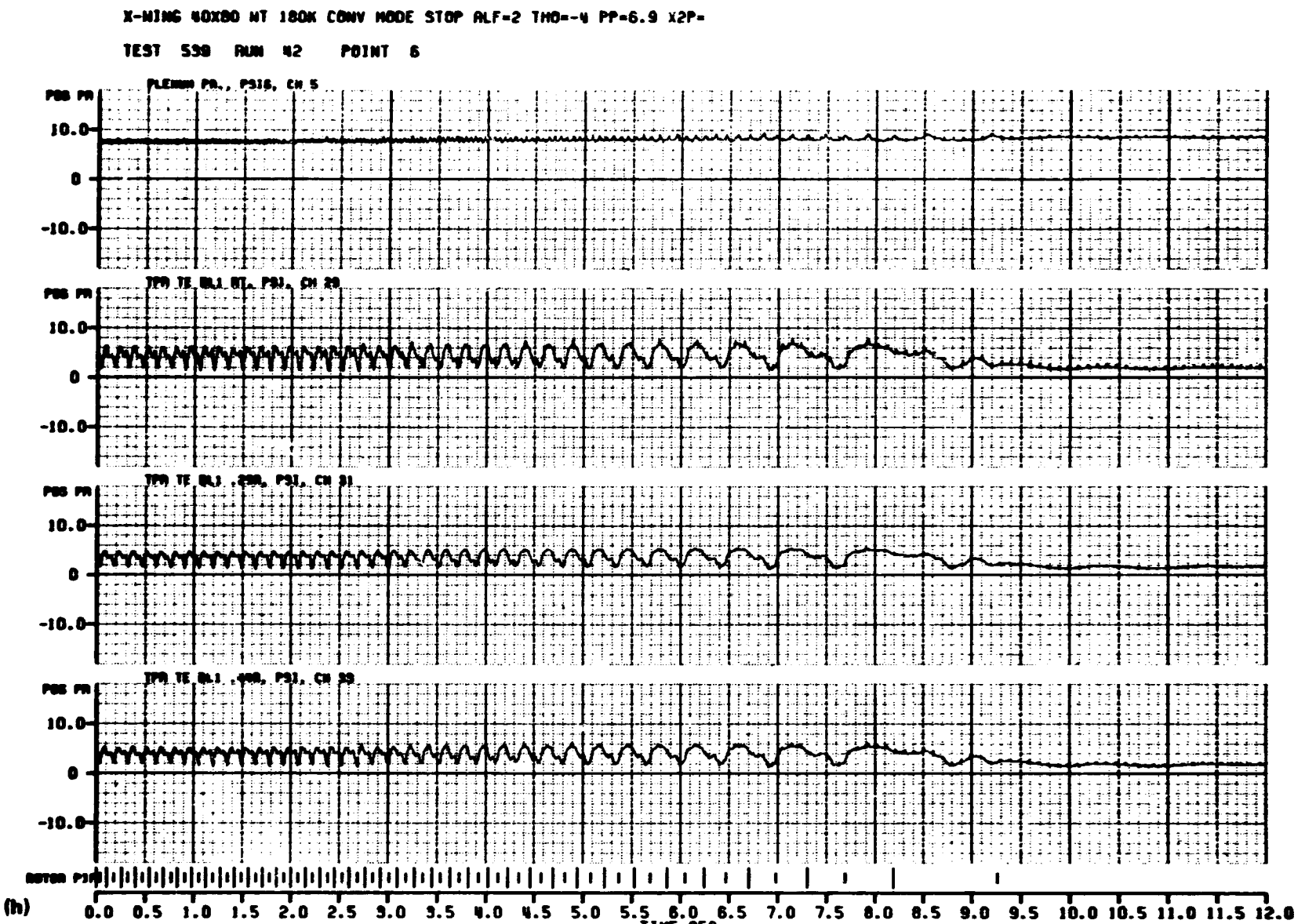
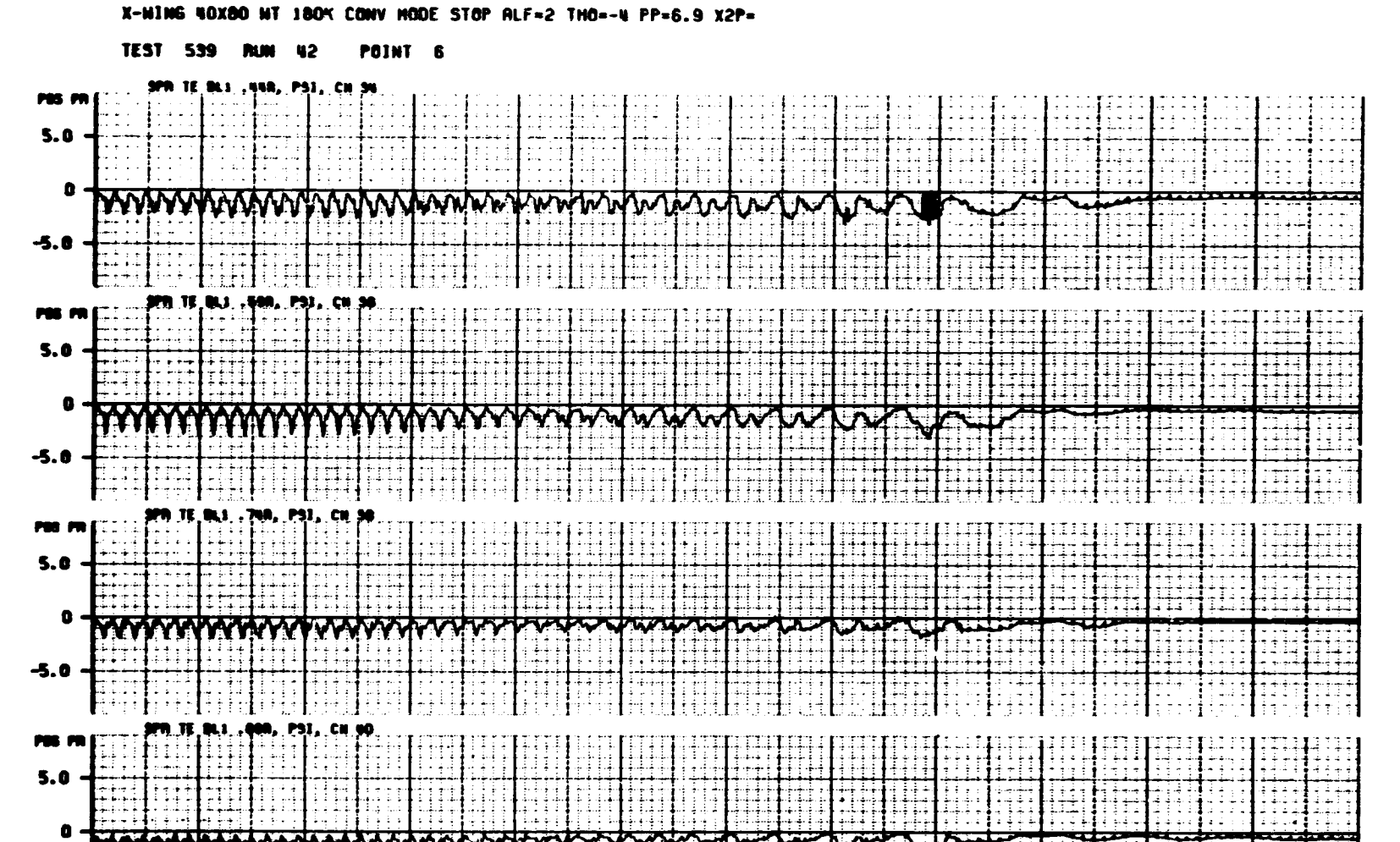


Figure 8.- Continued.



(h)

Figure 8.- Continued.



(i)

Figure 8.- Continued.

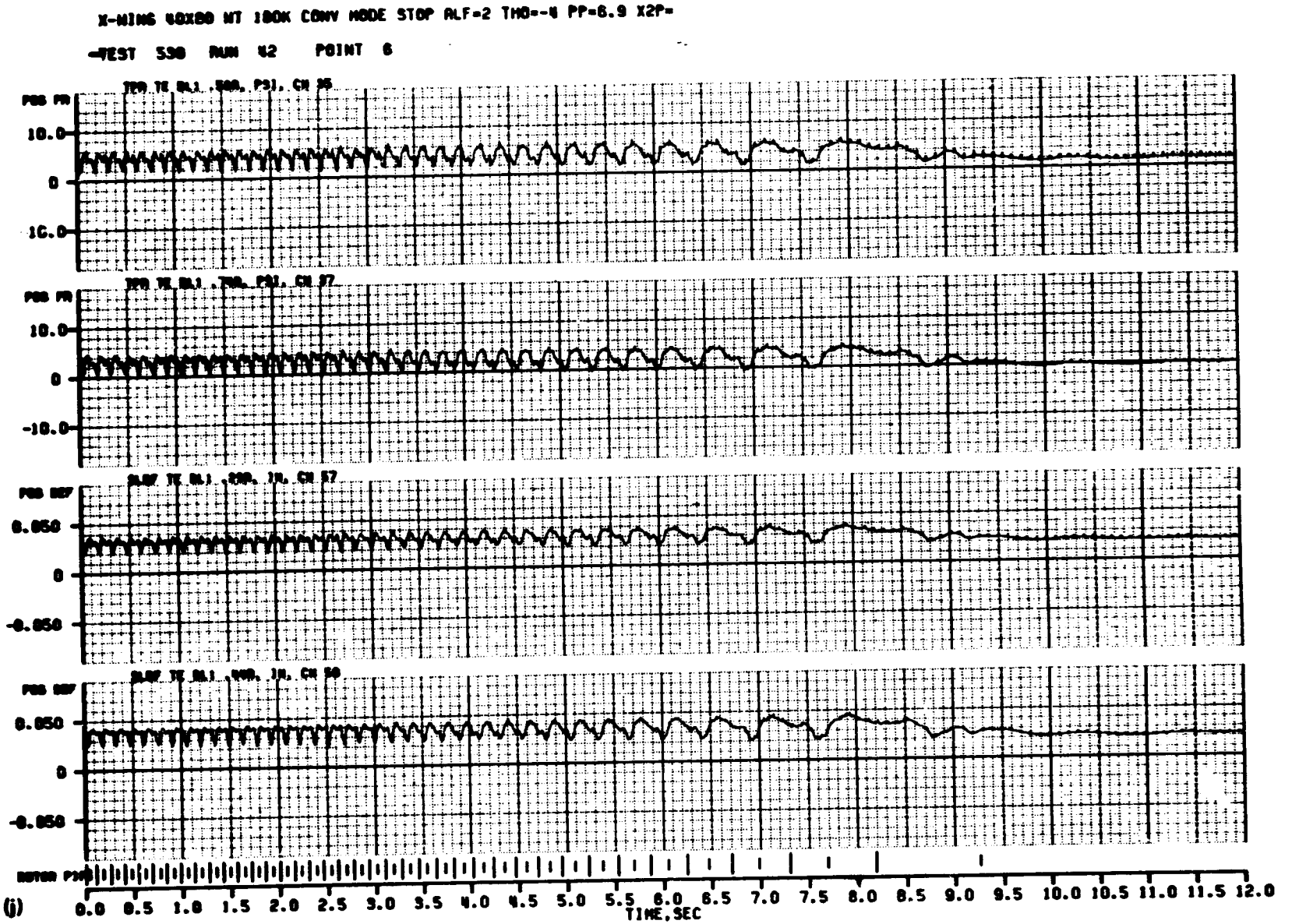


Figure 8.- Continued.

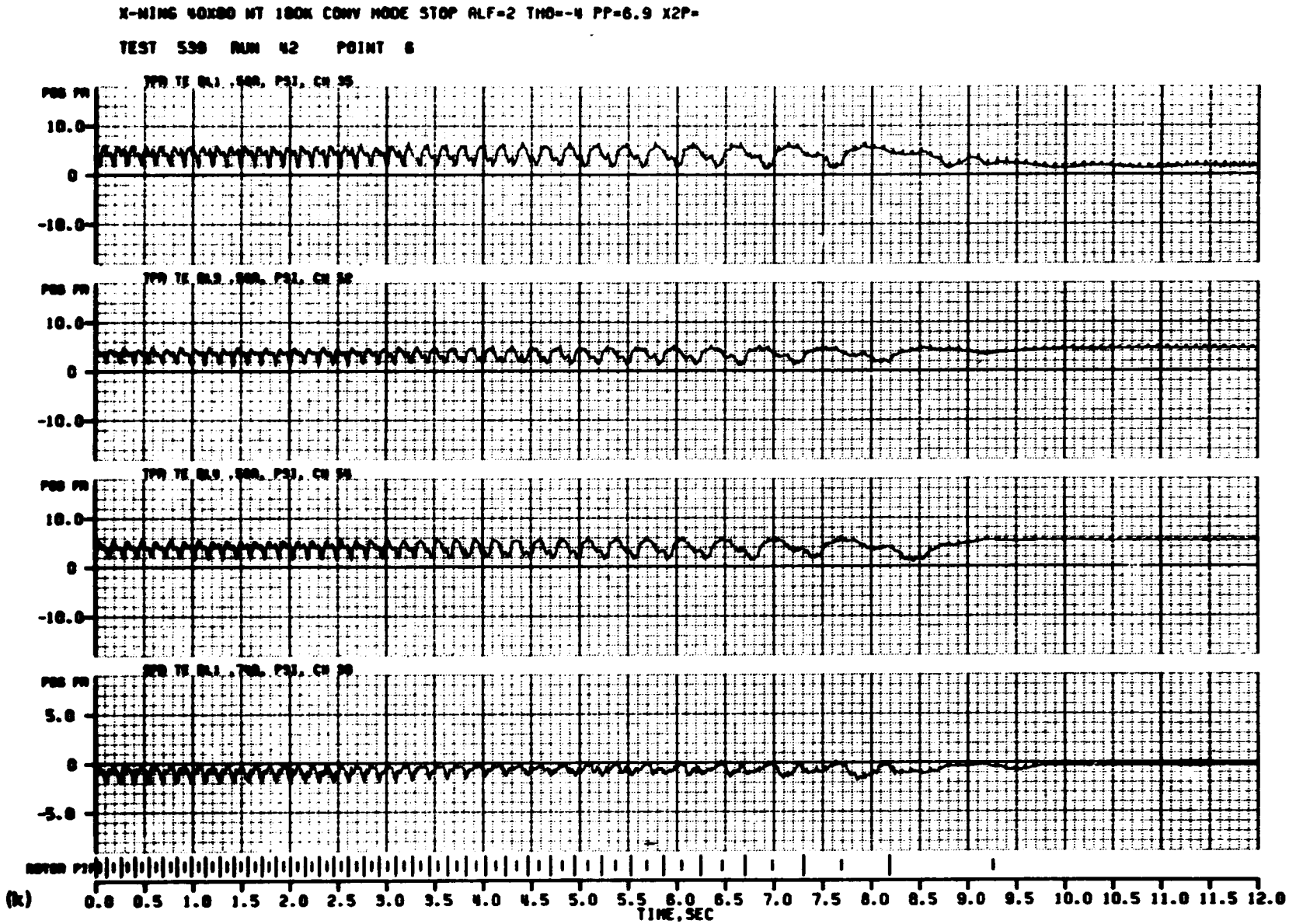


Figure 8.- Continued.

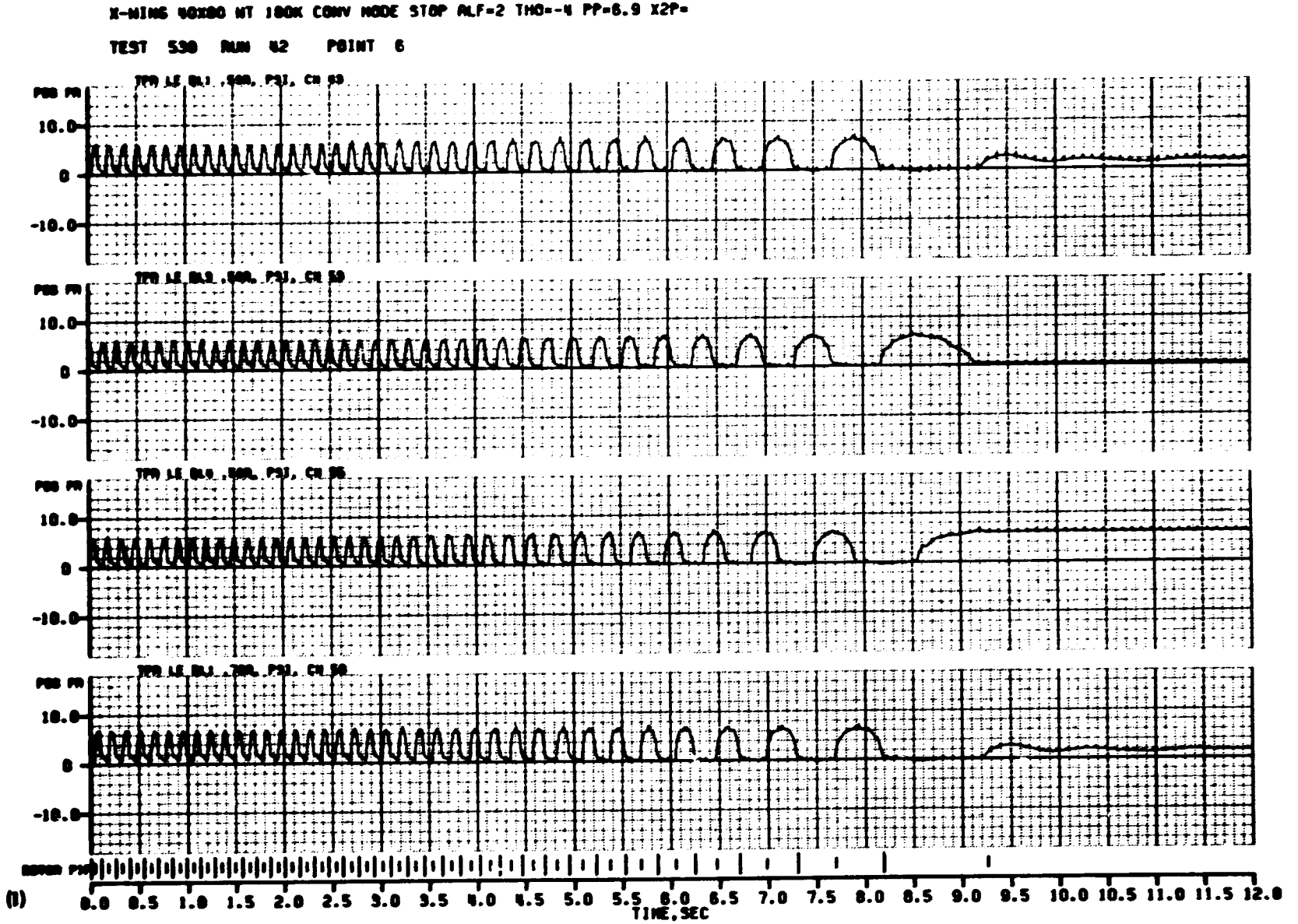


Figure 8.- Continued.

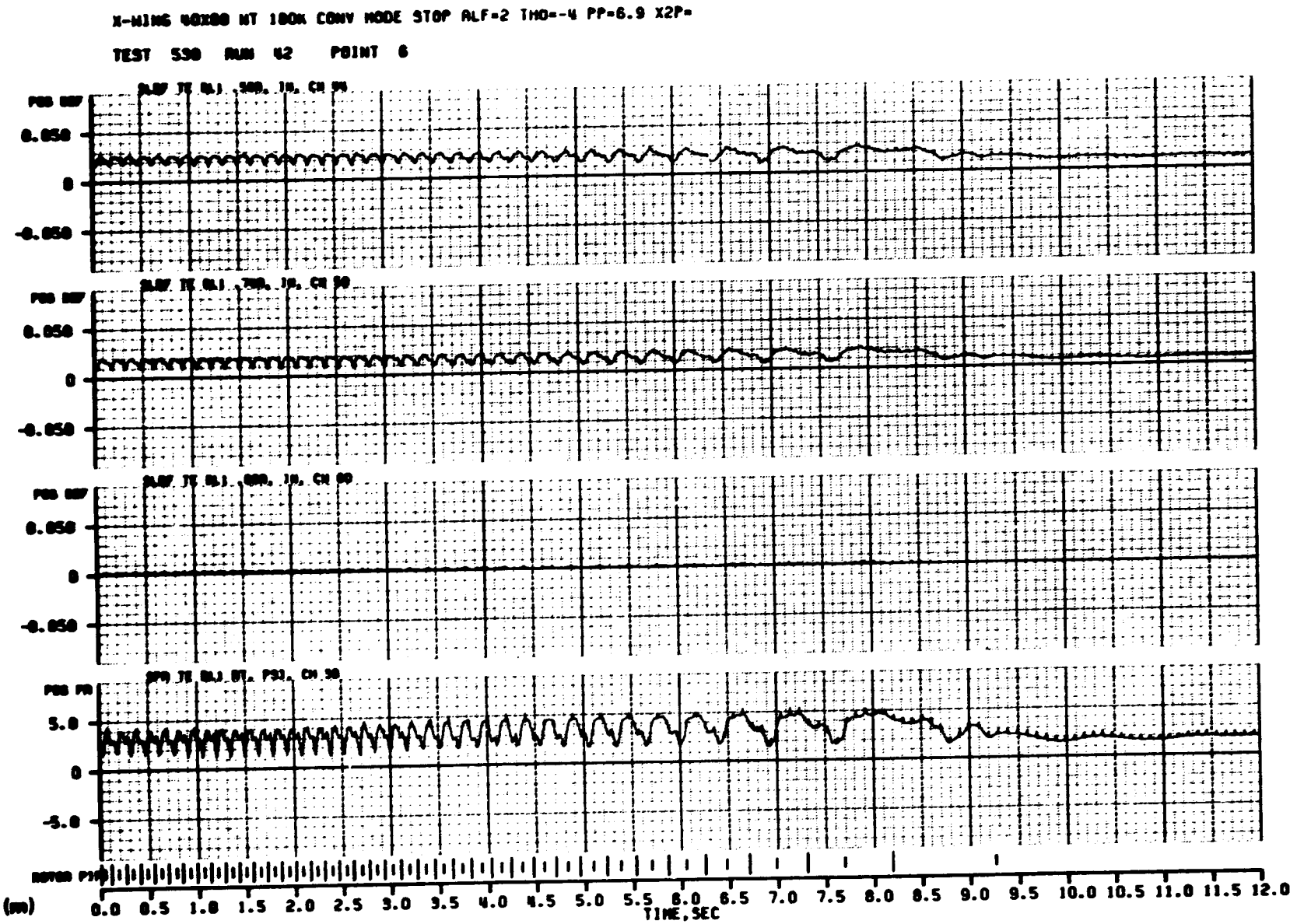
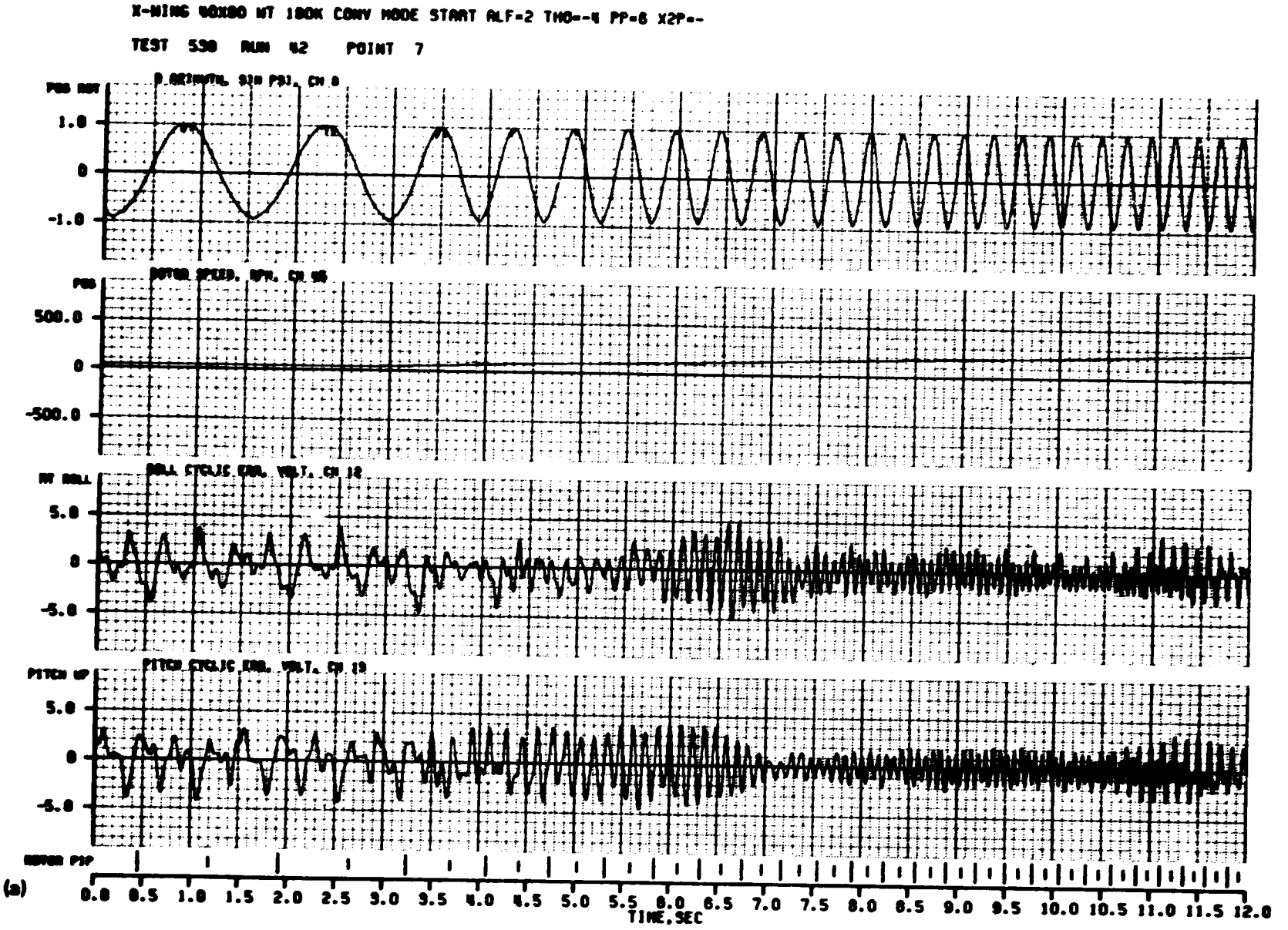
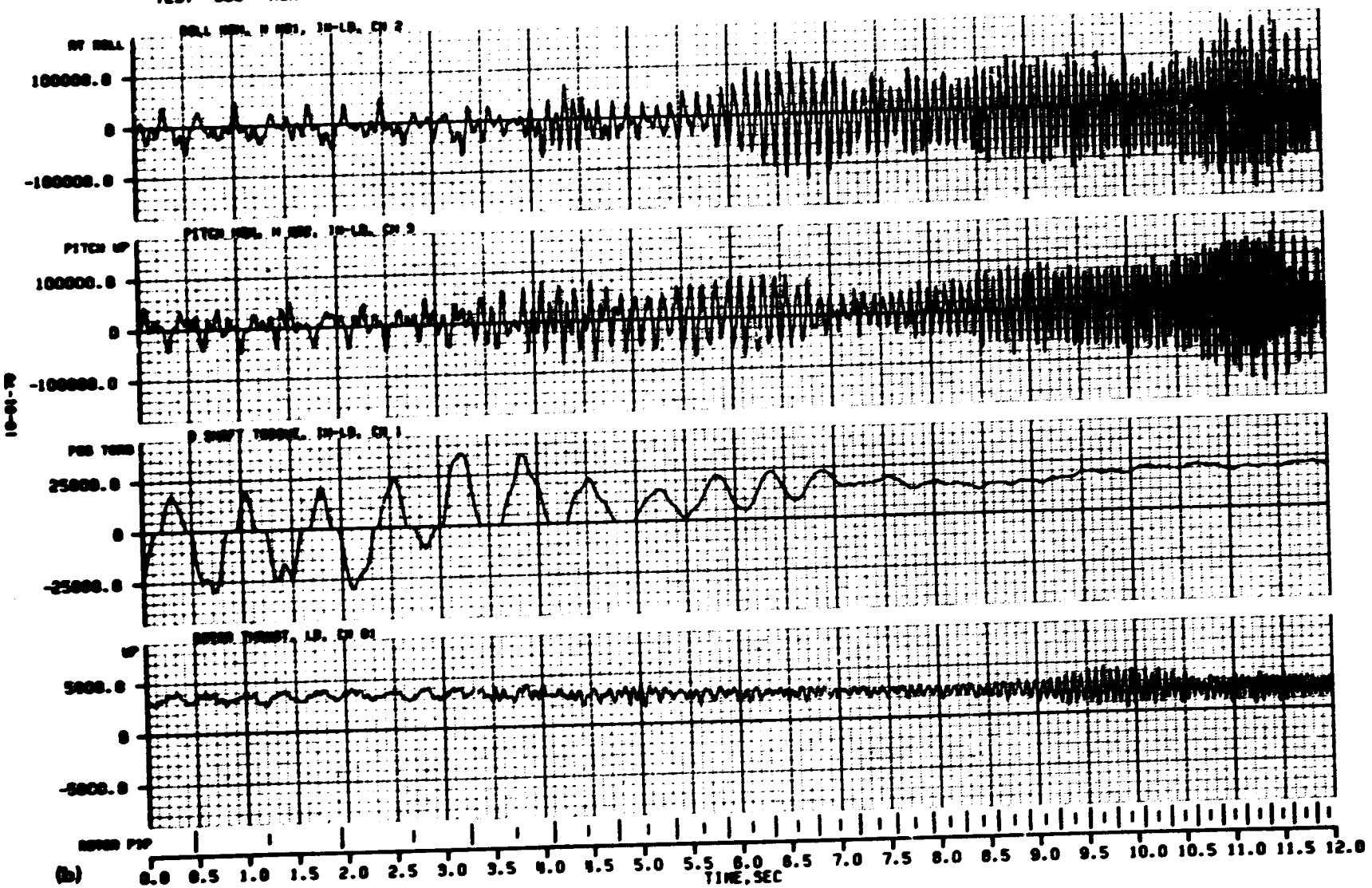


Figure 8.- Concluded.



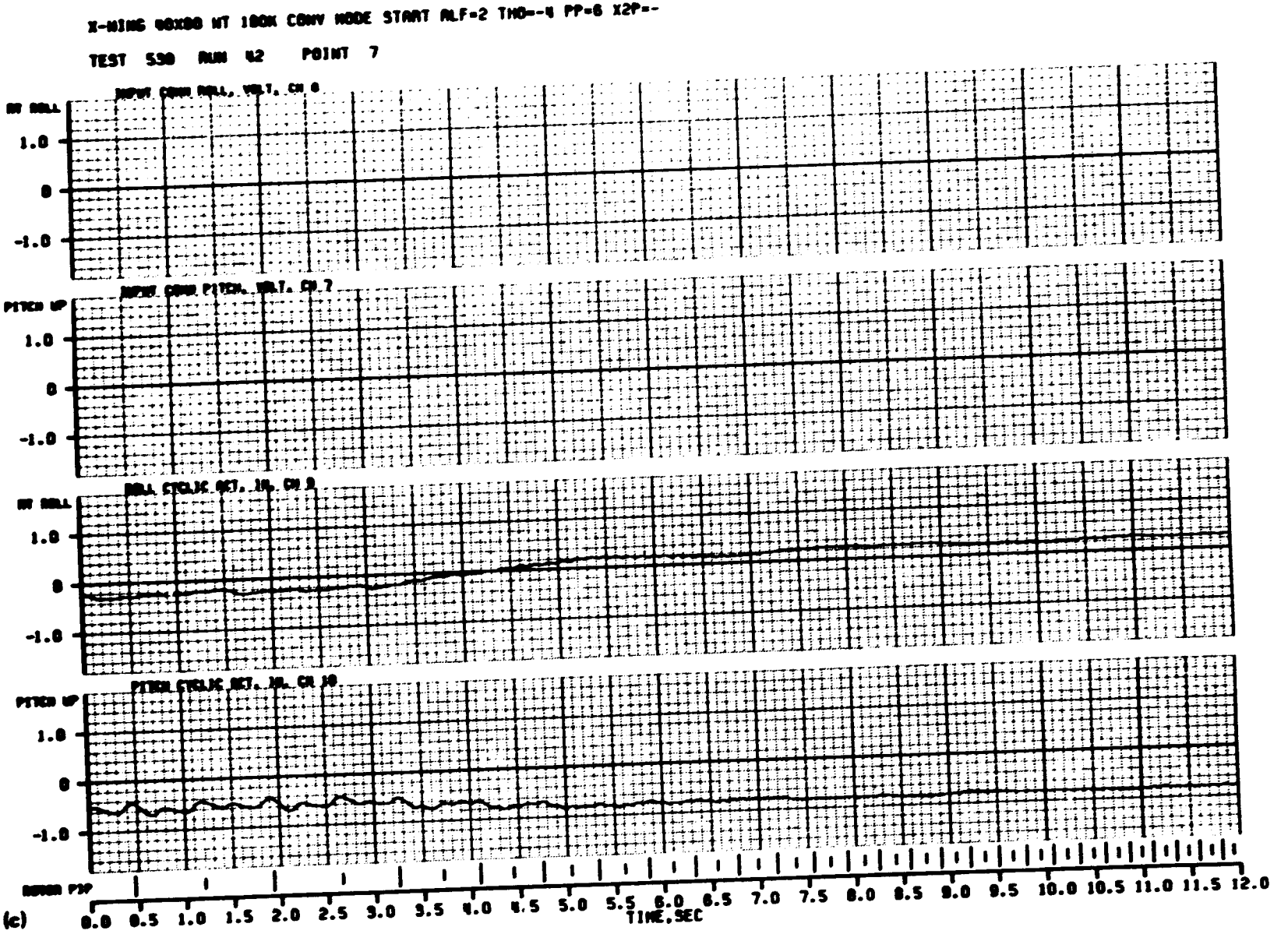
(a)

Figure 9.- Time history of run 42, data point 7, rotor transient from fixed-wing to rotary-wing mode.



(b)

Figure 9.- Continued.



(c)

Figure 9.- Continued.

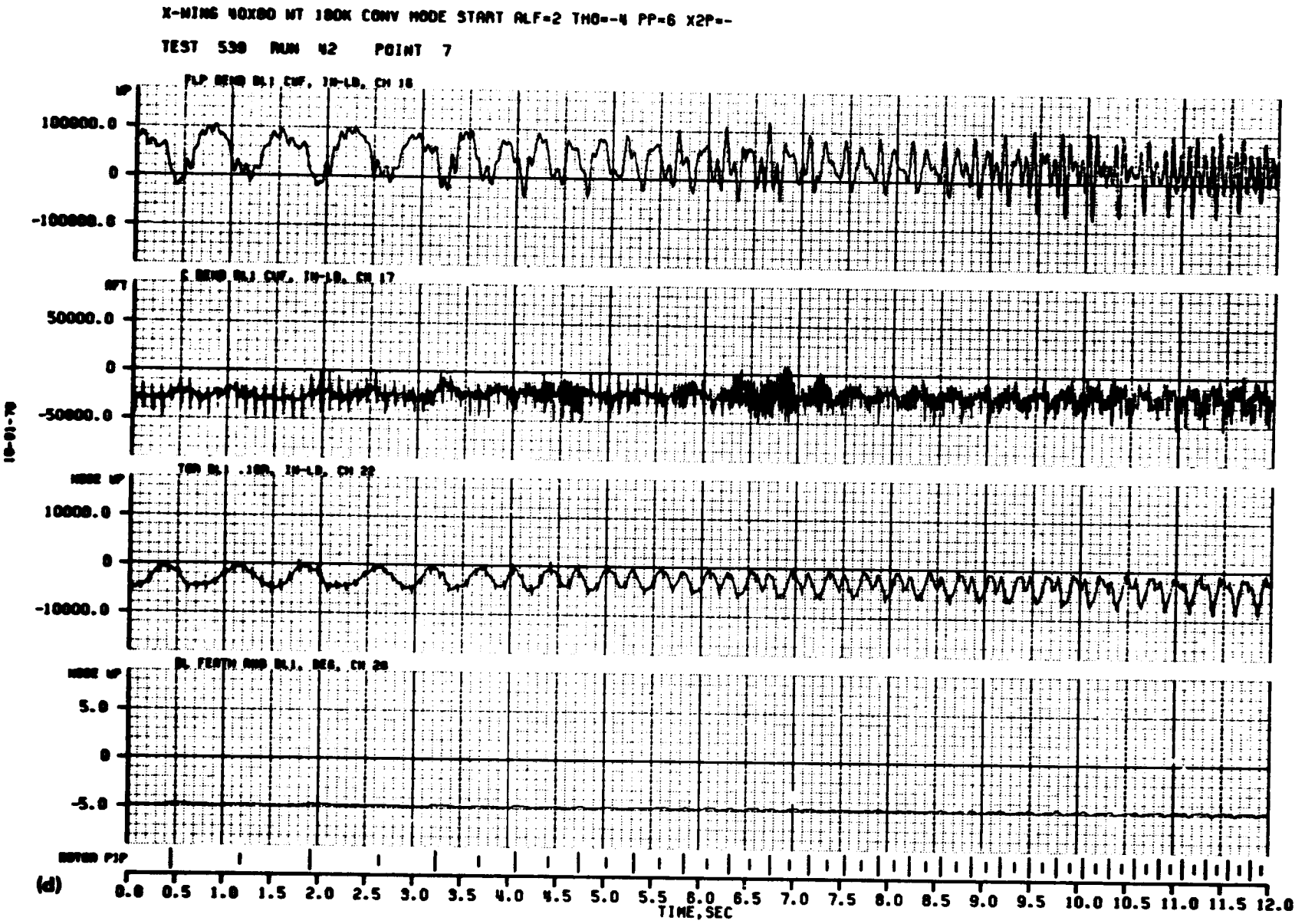


Figure 9.- Continued.

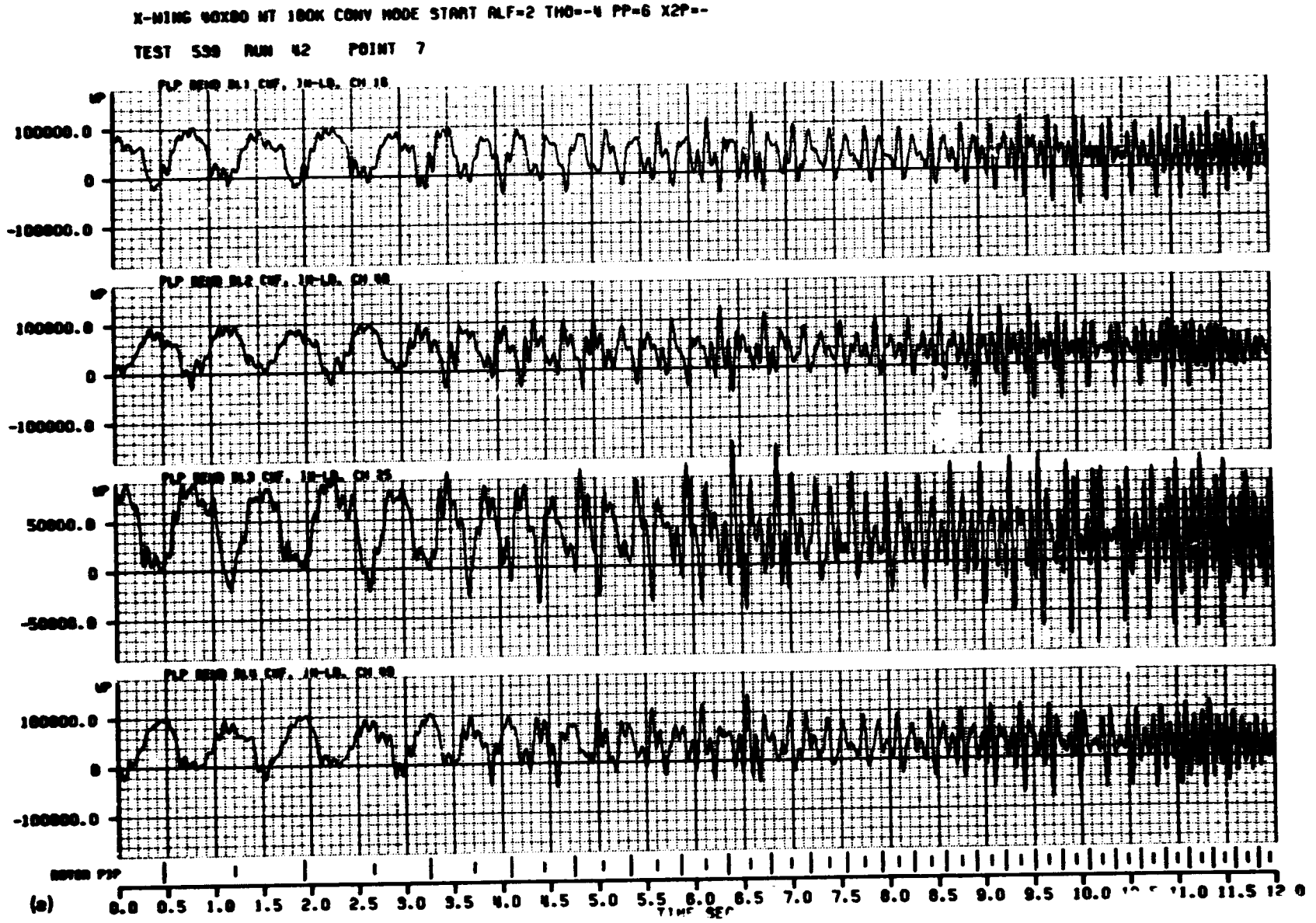


Figure 9.- Continued.

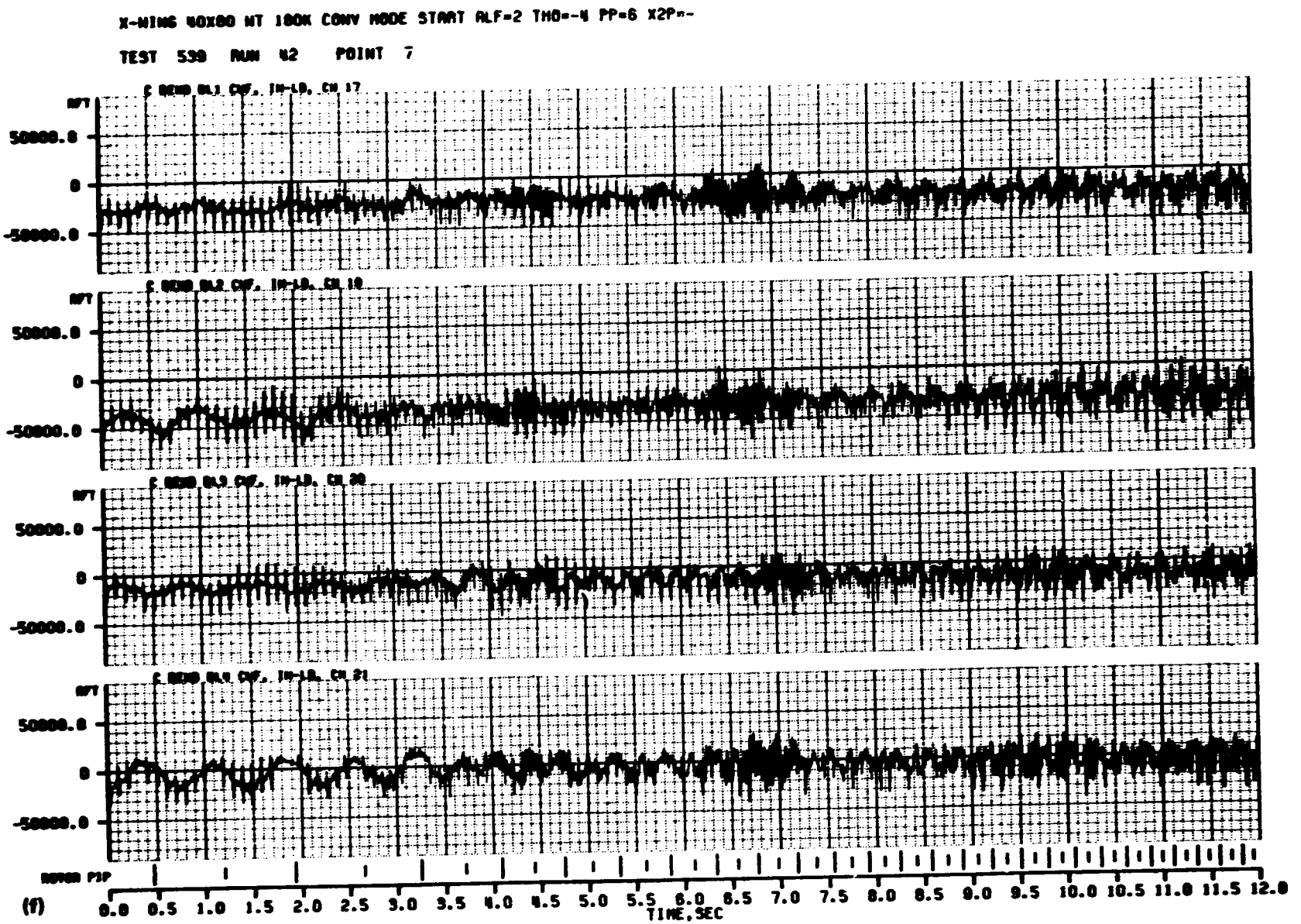


Figure 9.- Continued.

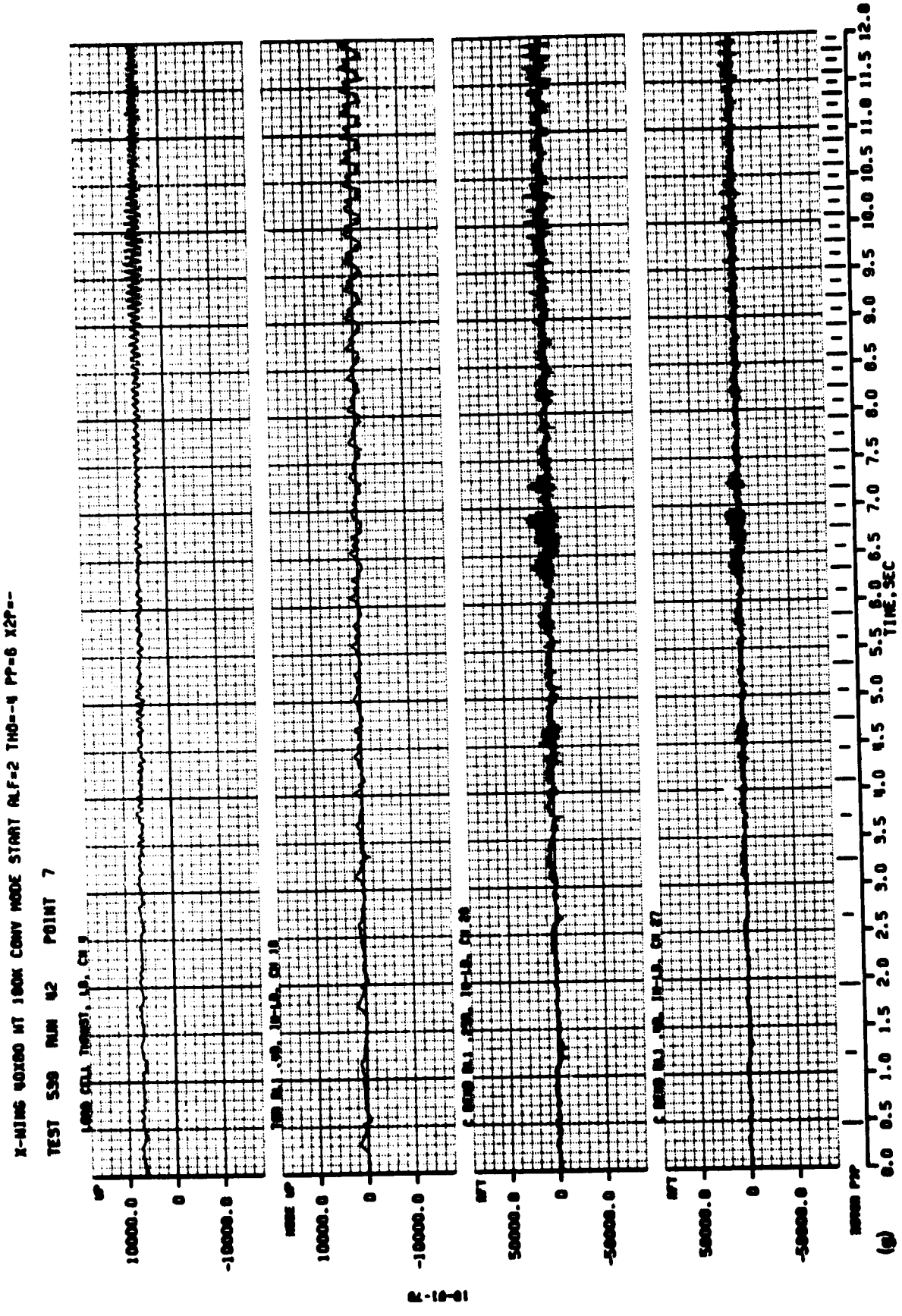


Figure 9.- Continued.

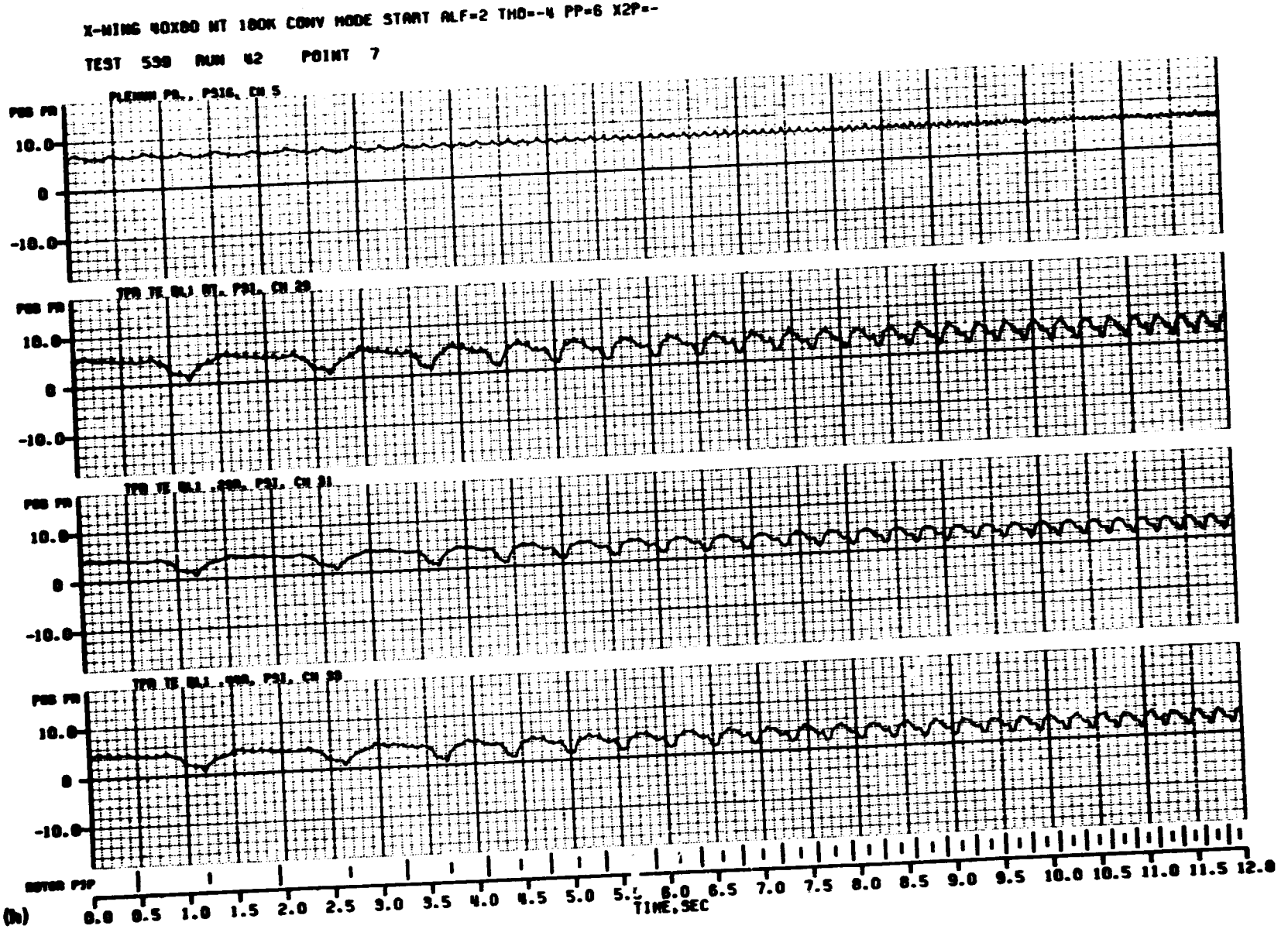


Figure 9.- Continued.

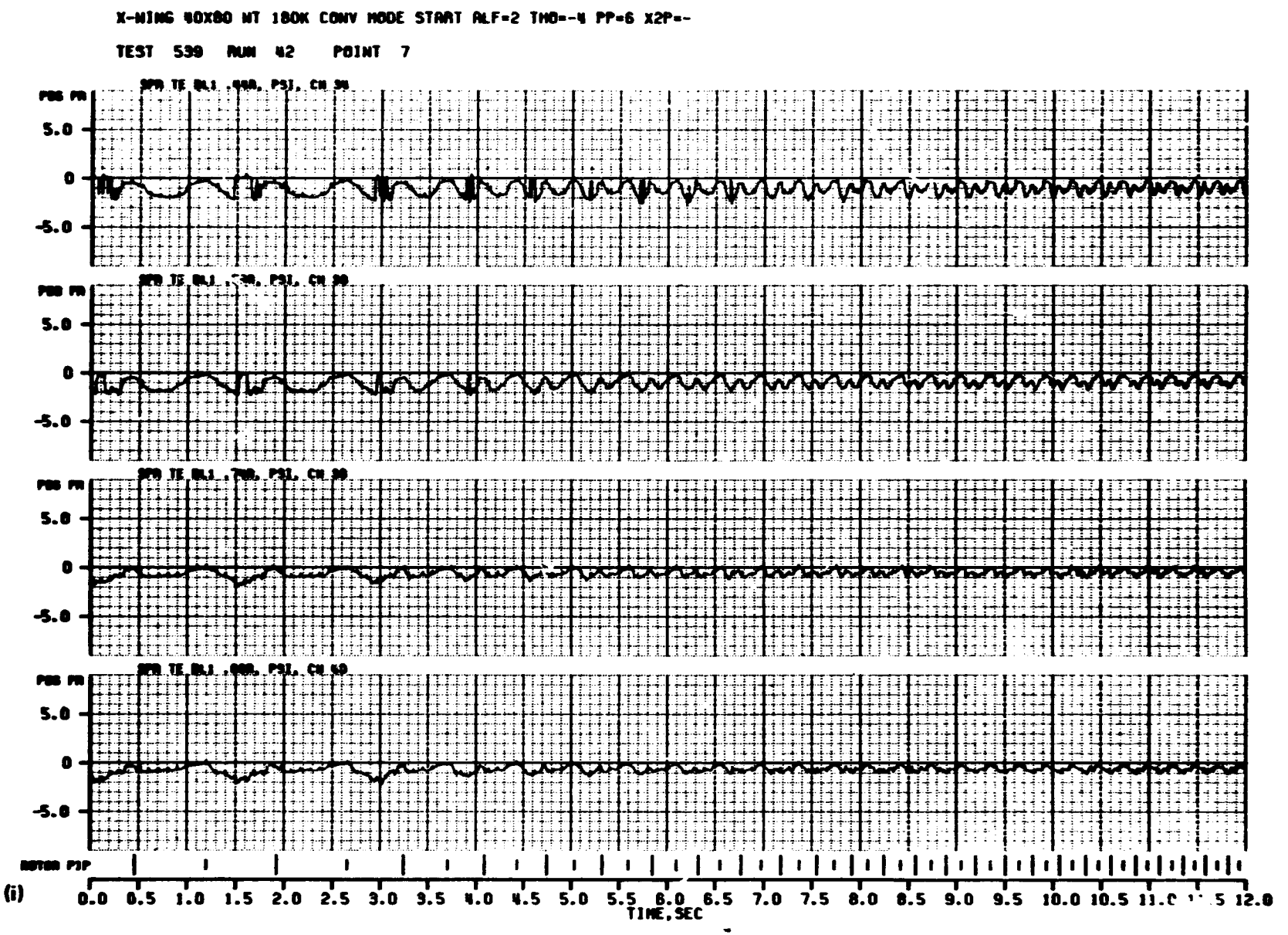
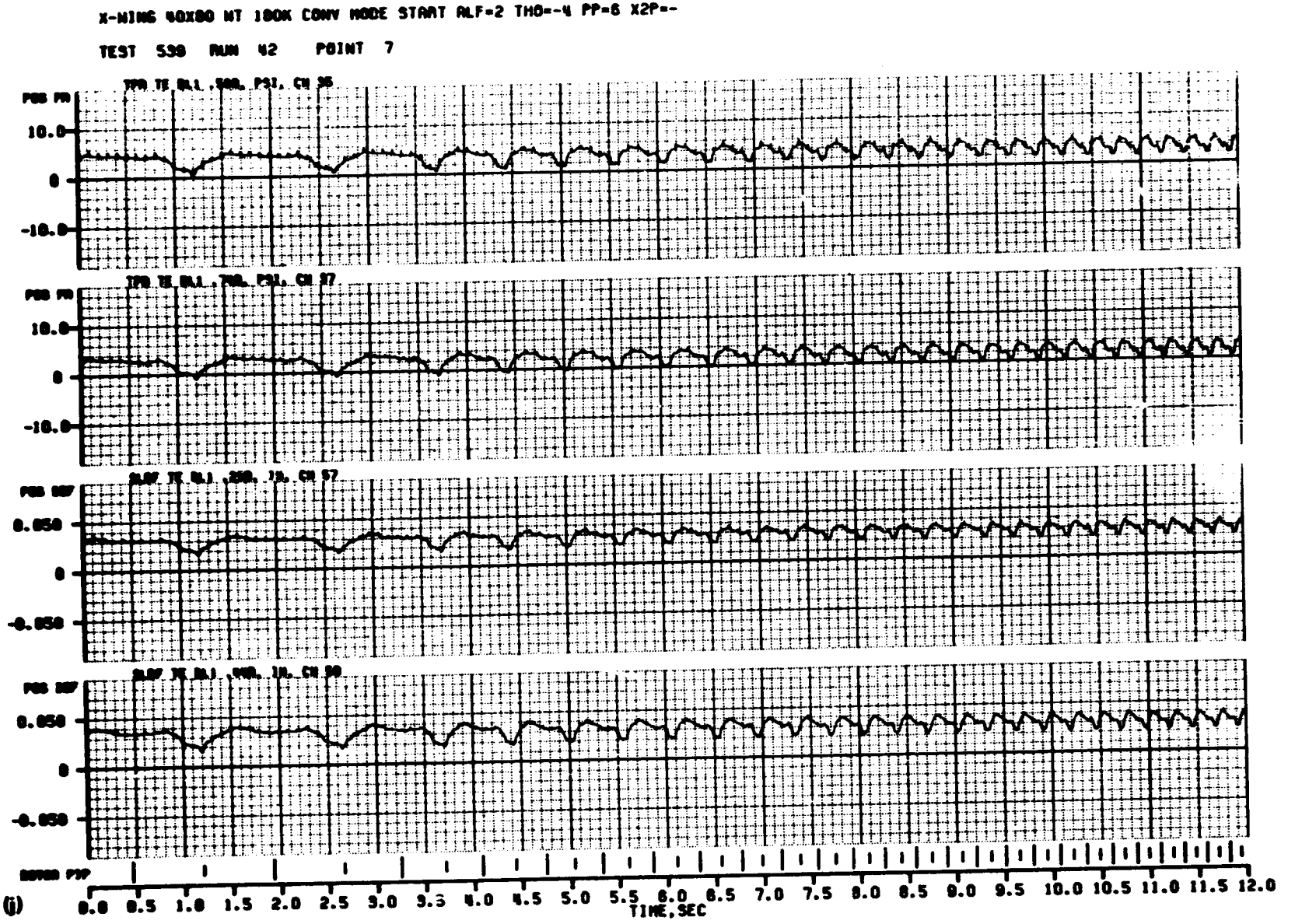
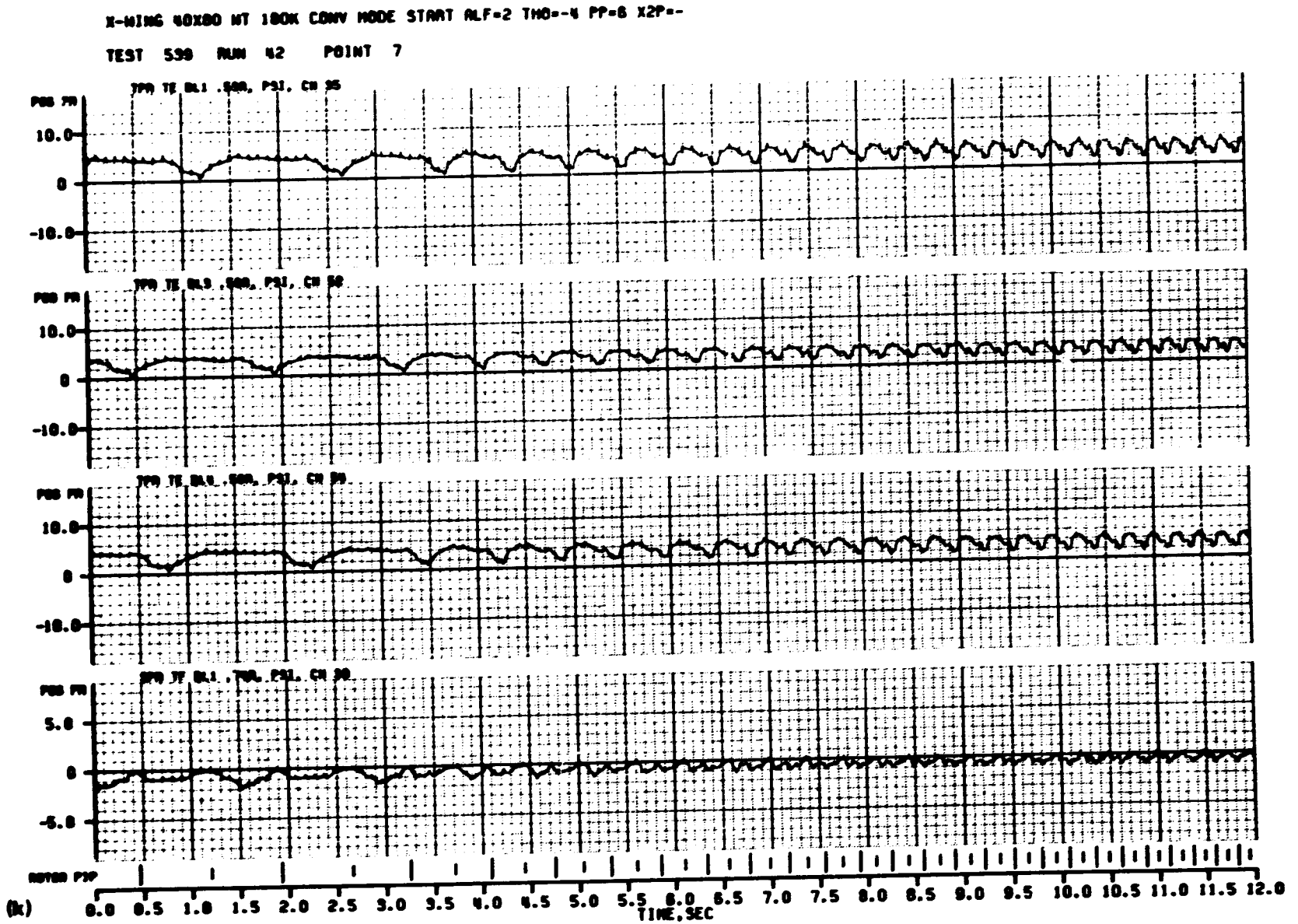


Figure 9.- Continued.



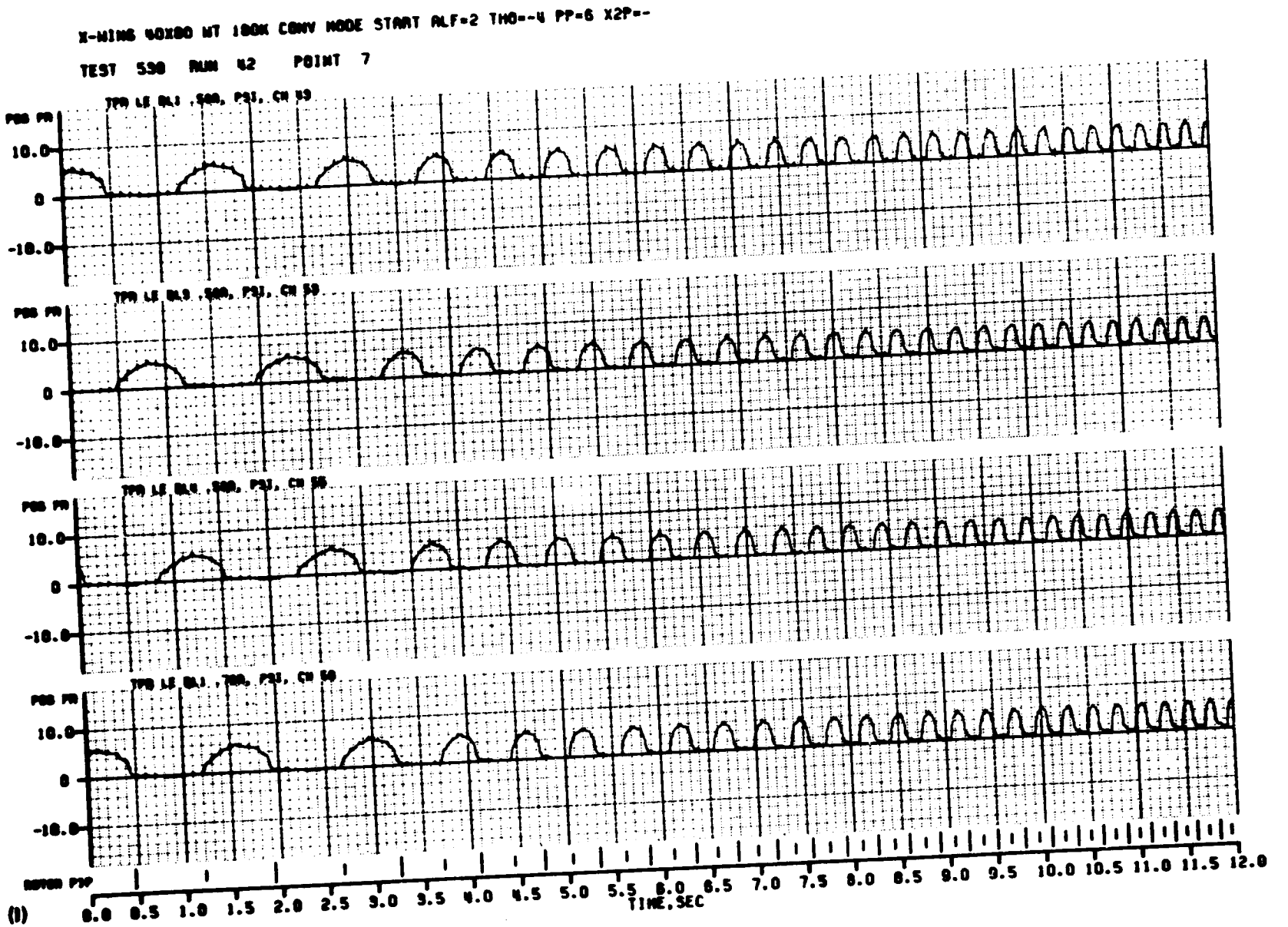
(j)

Figure 9.- Continued.



(k)

Figure 9.- Continued.



(l)

Figure 9.- Continued.

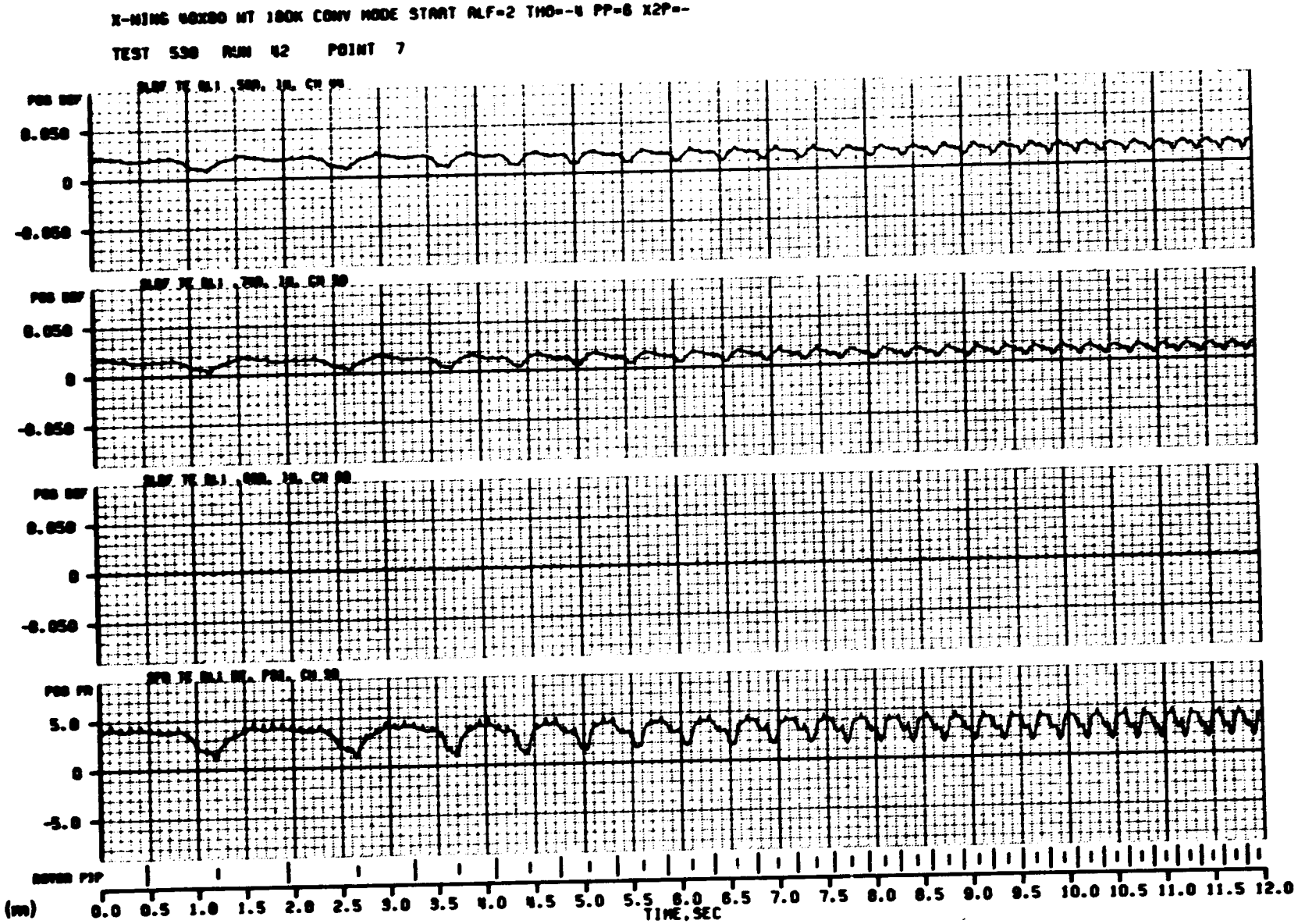


Figure 9.- Concluded.

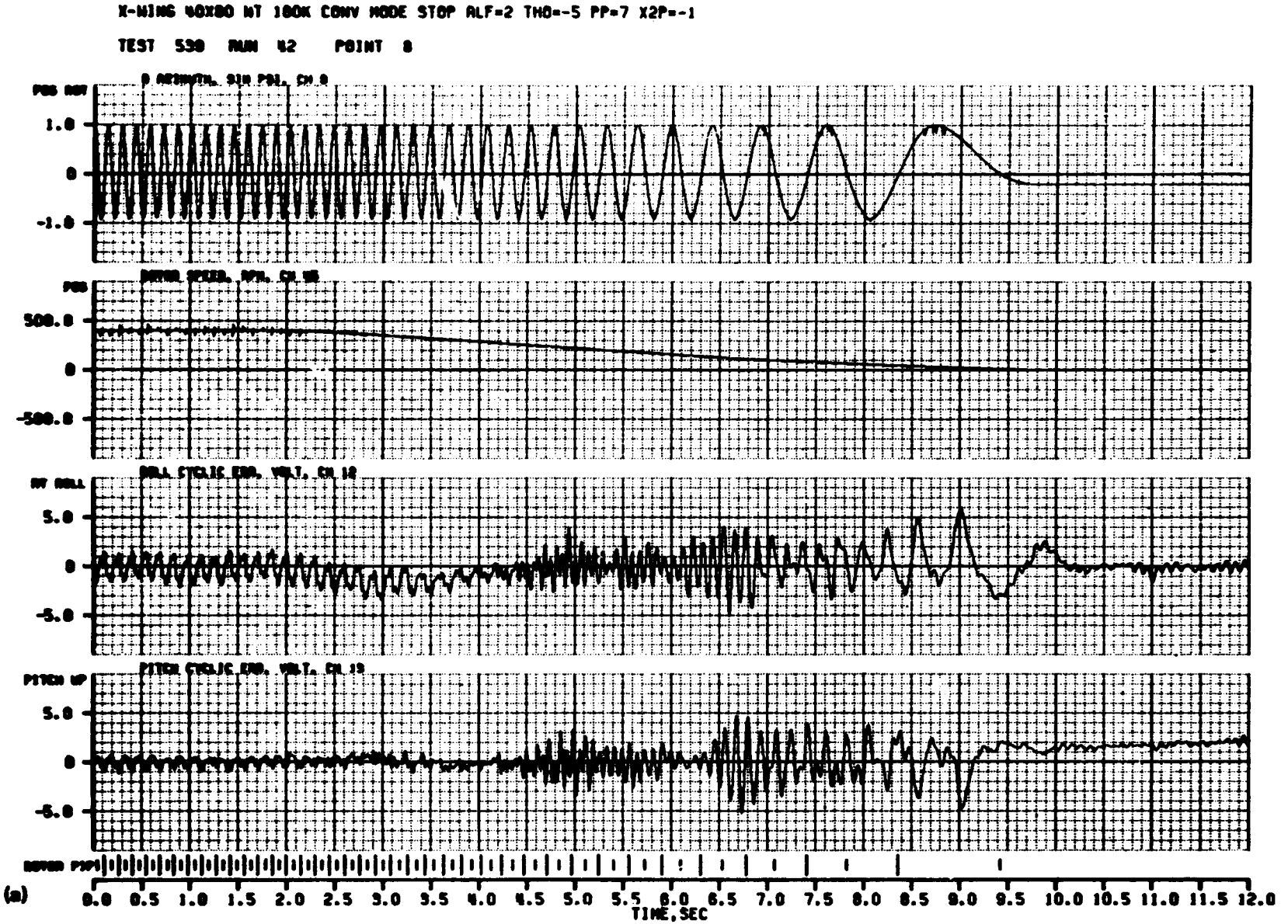


Figure 10.- Time history of run 42, data point 8, rotor transient from rotary-wing to fixed-wing model.

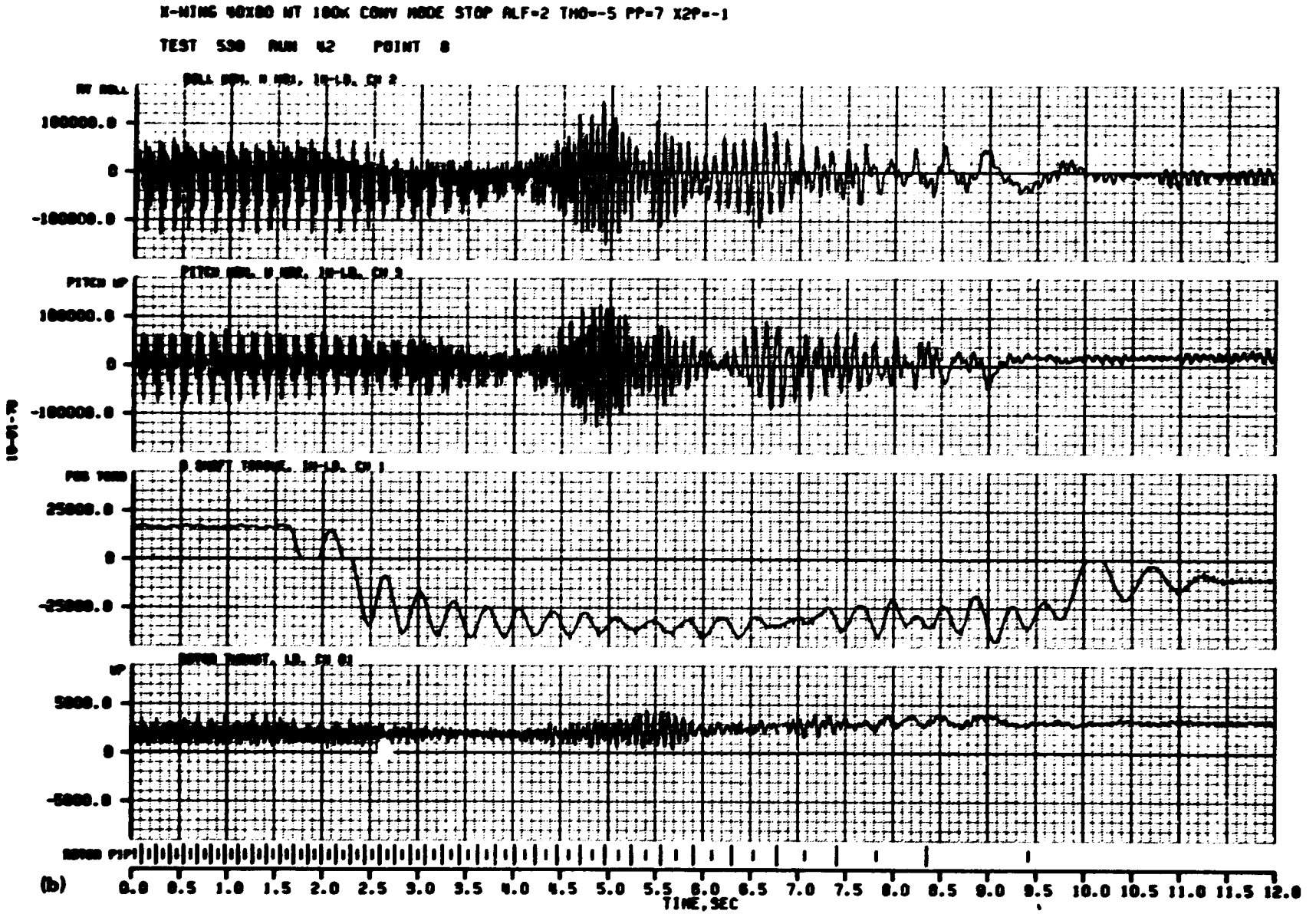
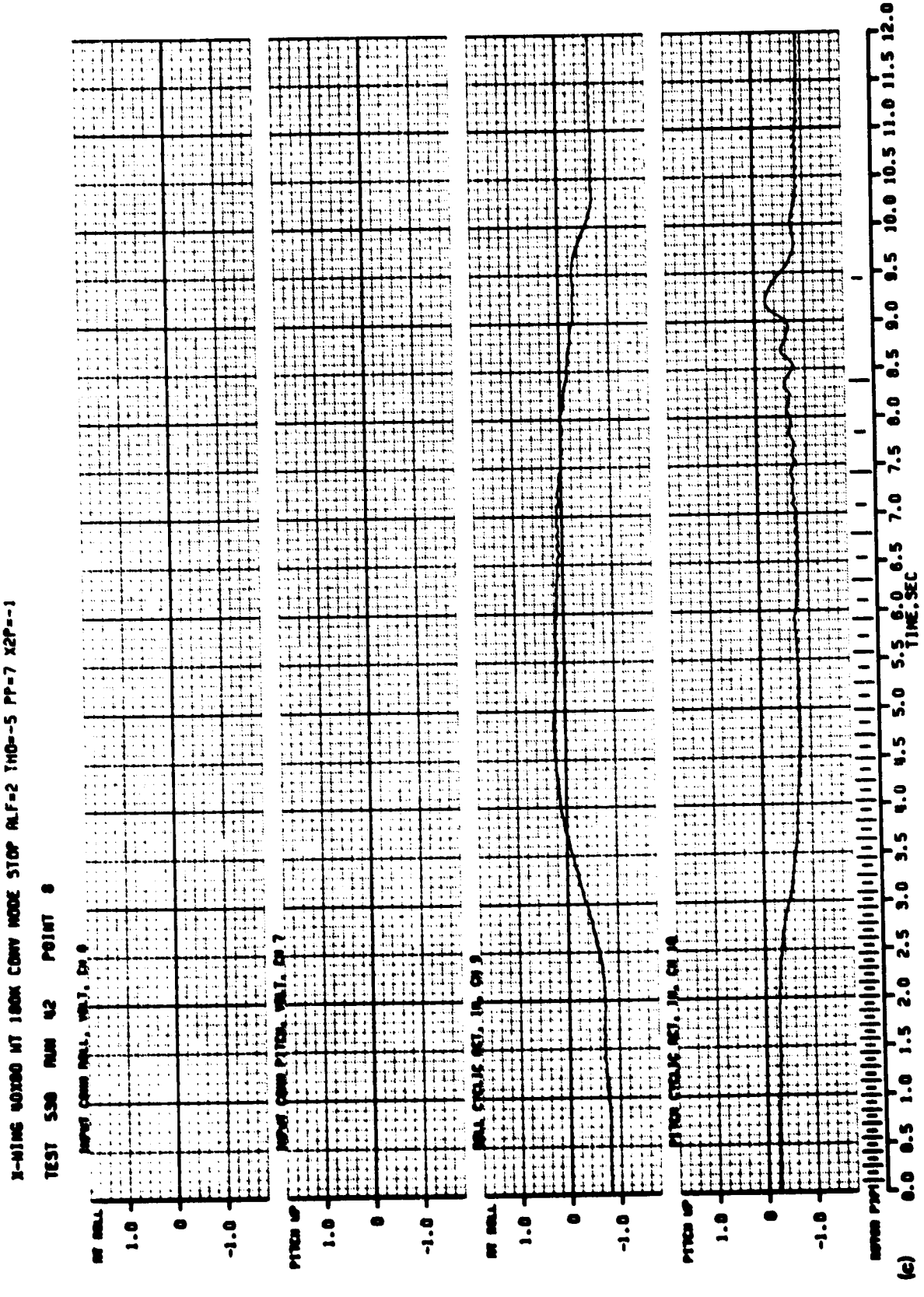
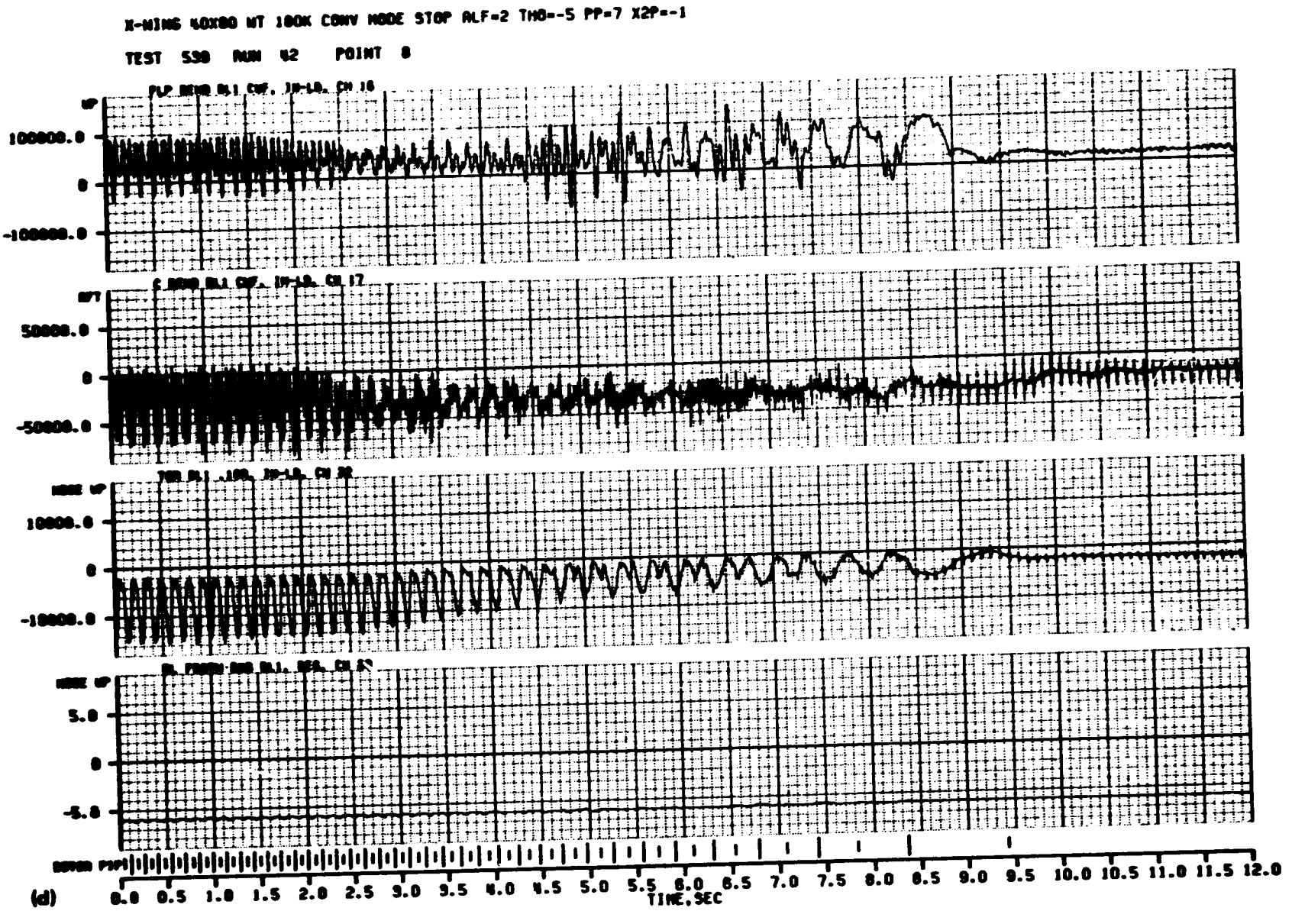


Figure 10.- Continued.



(c)

Figure 10.- Continued.



(d)

Figure 10.- Continued.

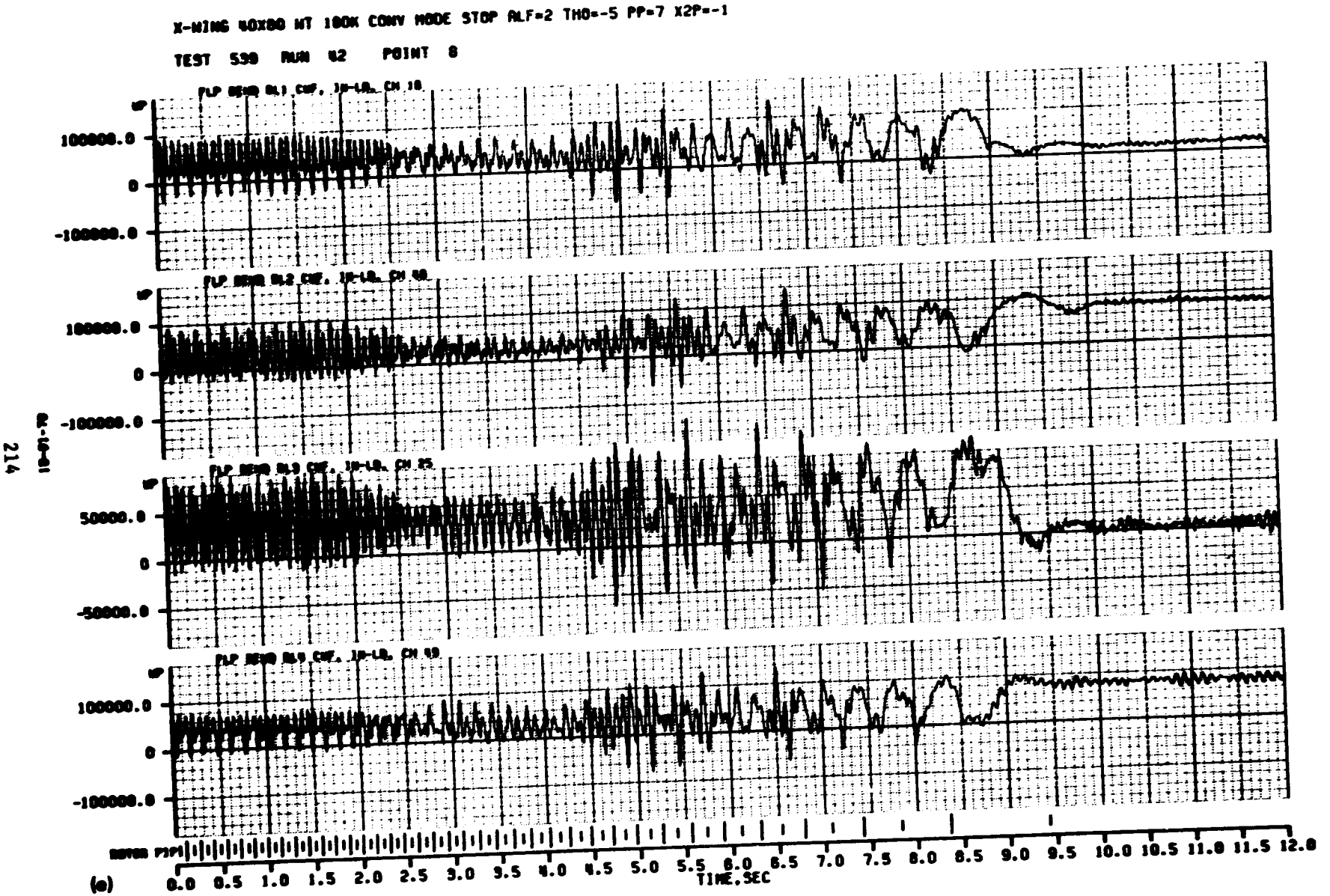


Figure 10.- Continued.

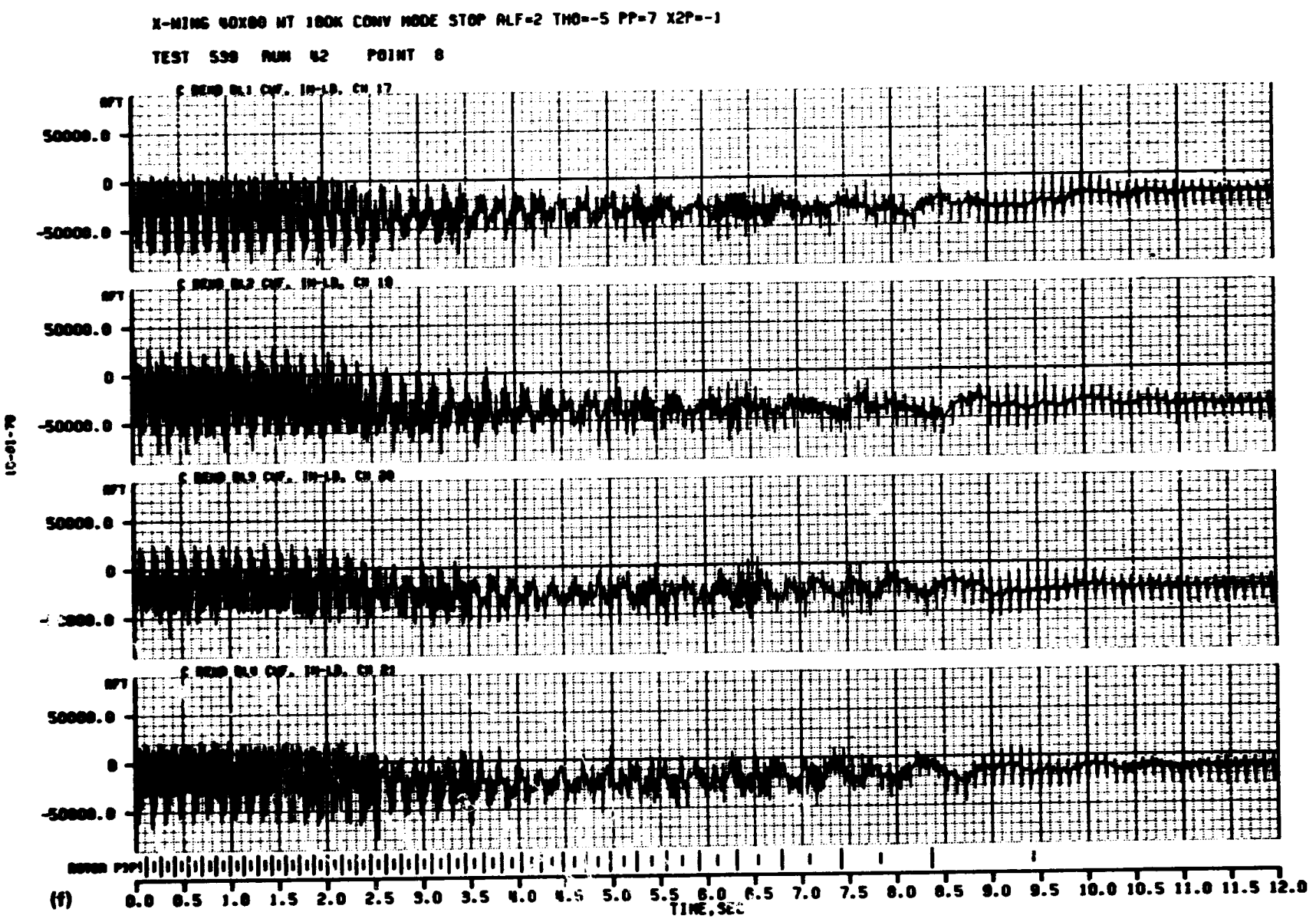


Figure 10.- Continued.

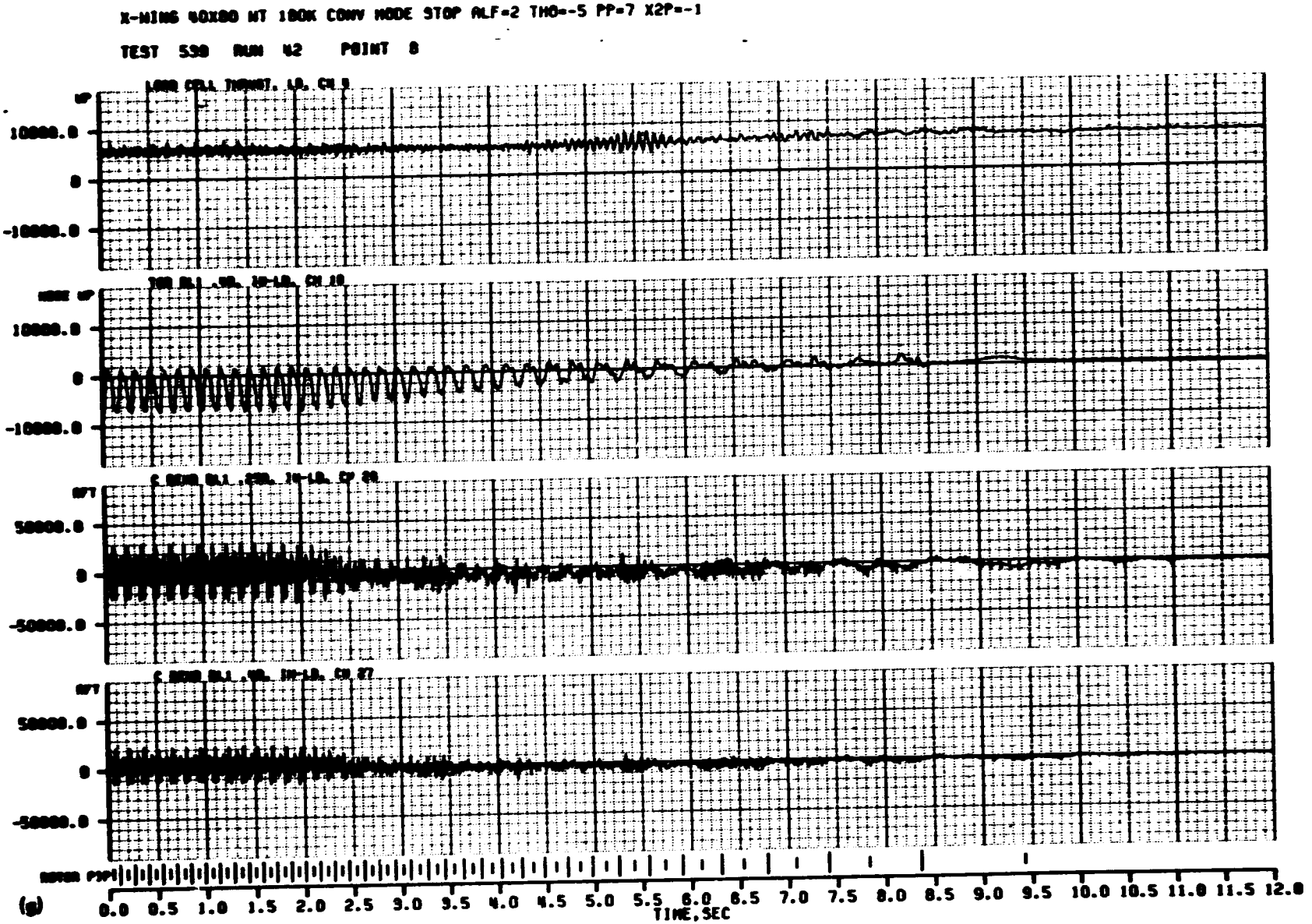


Figure 10.- Continued.

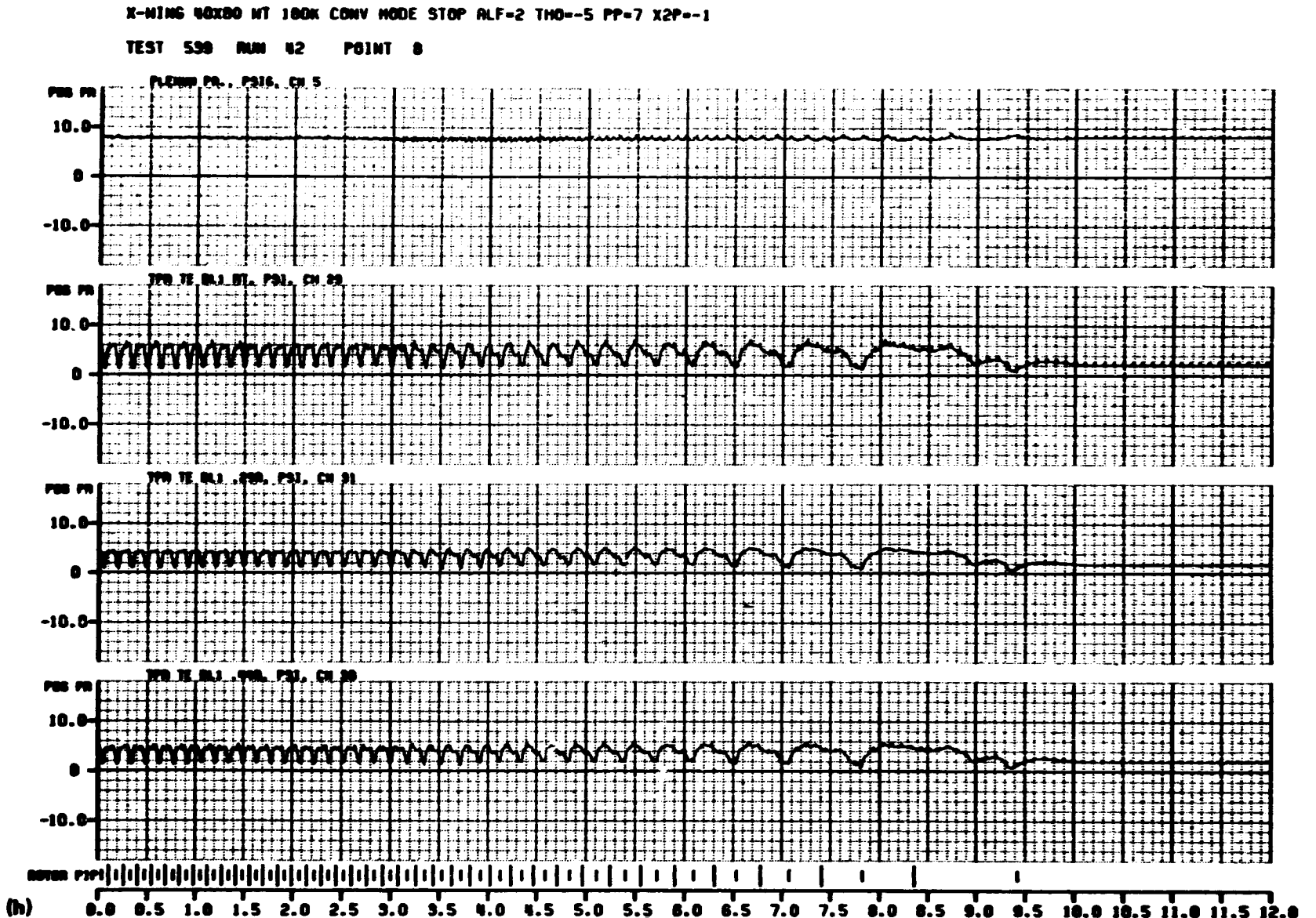
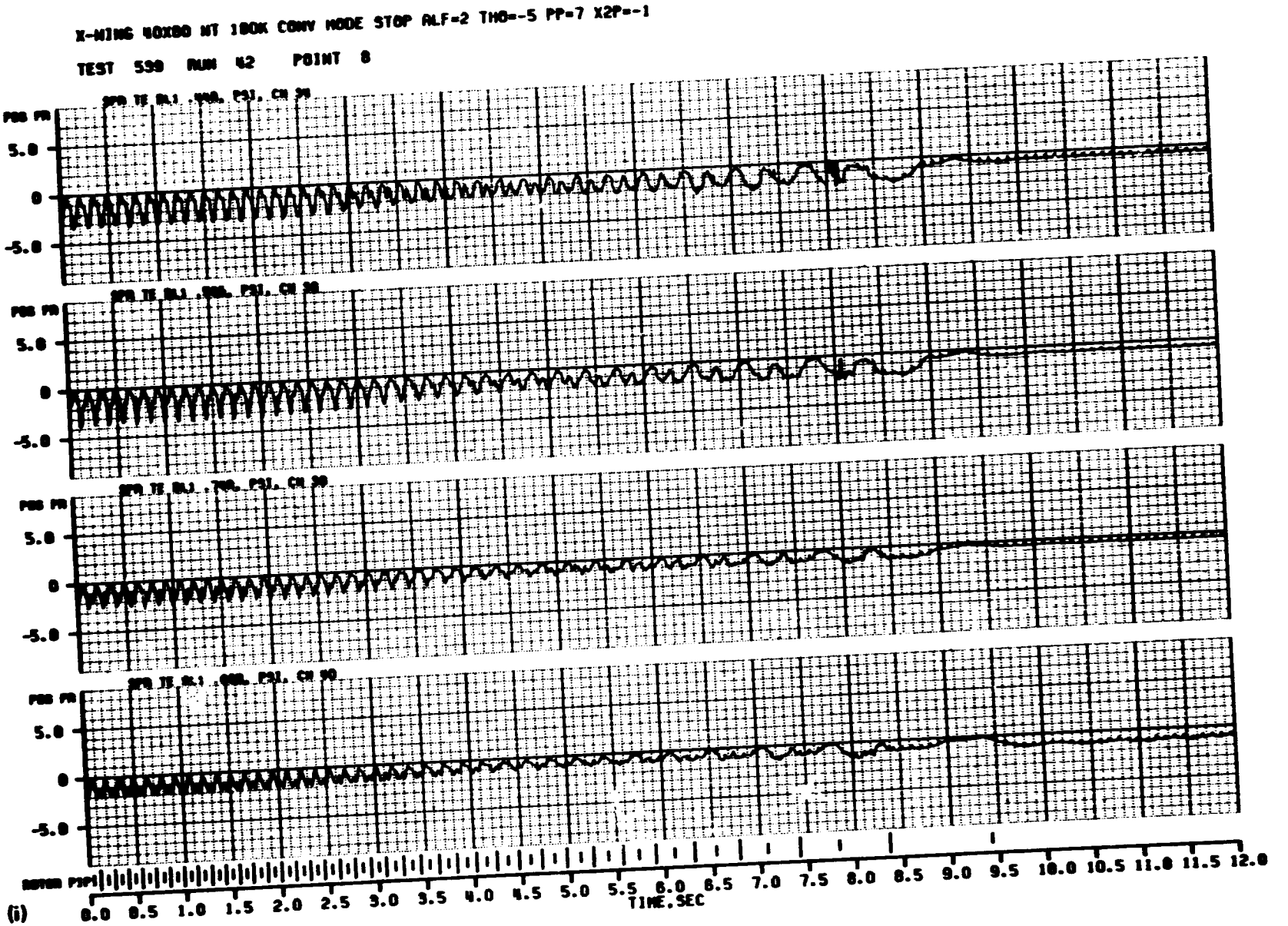


Figure 10.- Continued.



(i)

Figure 10.- Continued.

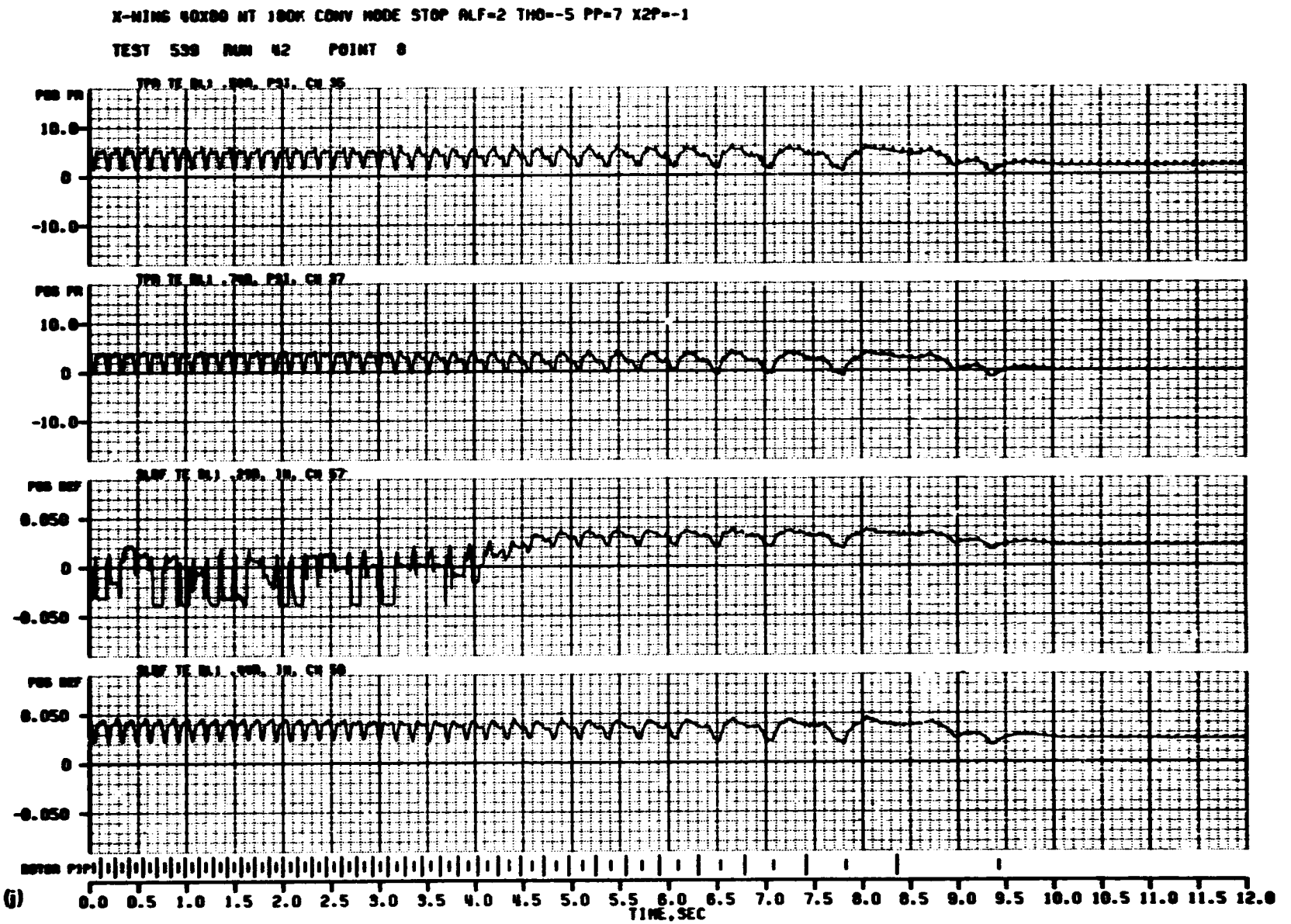
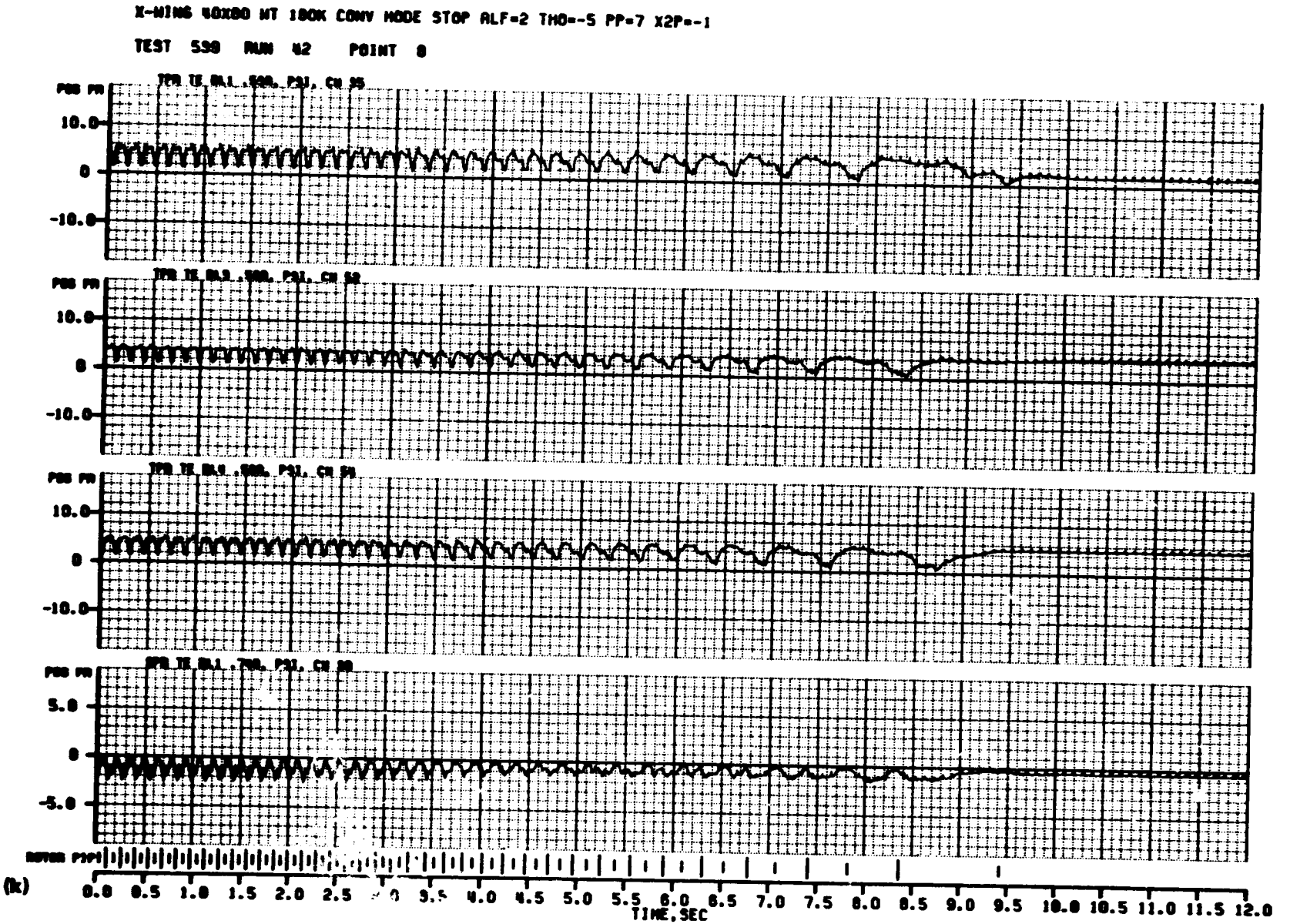


Figure 10.- Continued.



(k)

Figure 10.- Continued.

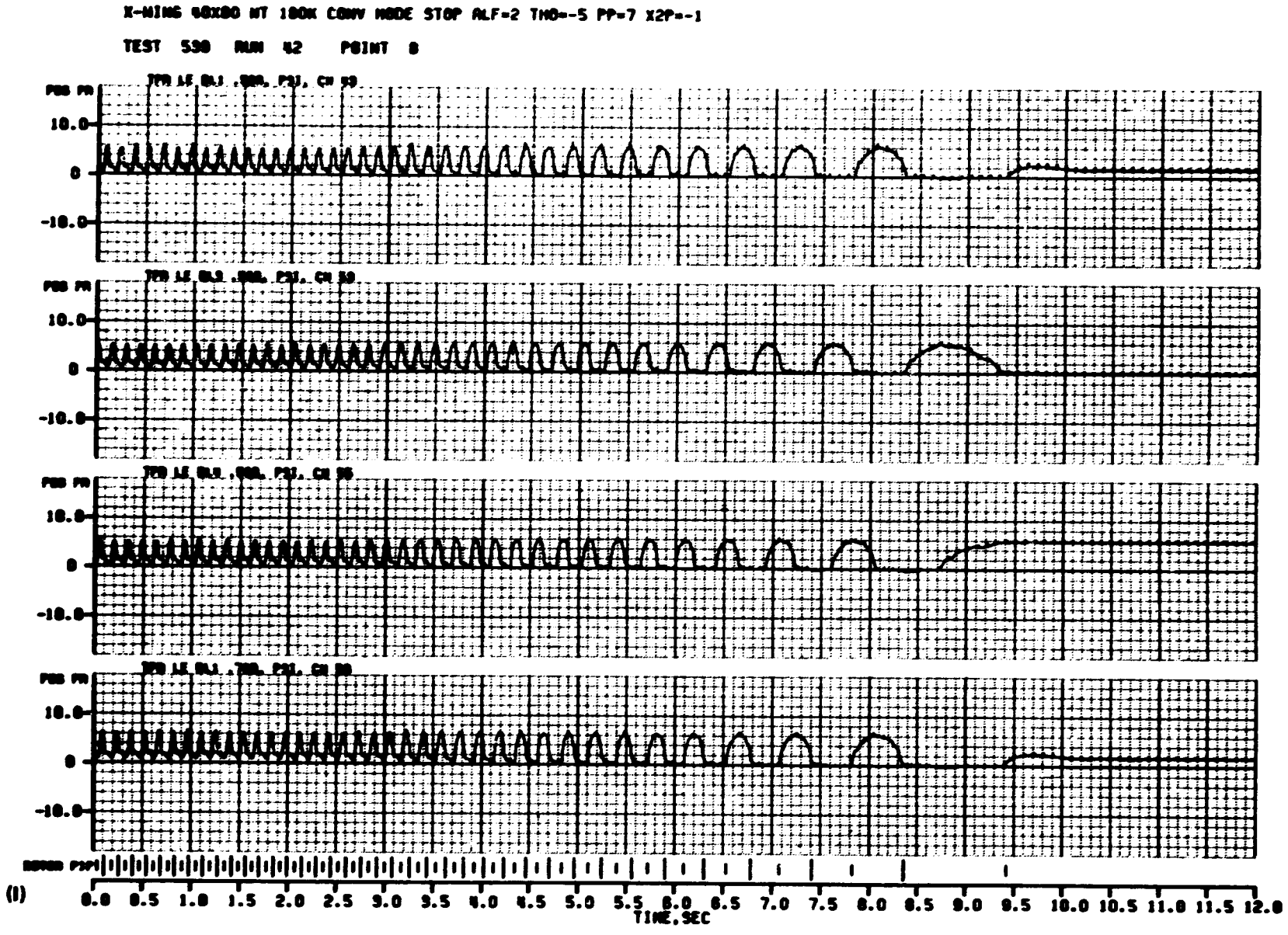


Figure 10.- Continued.

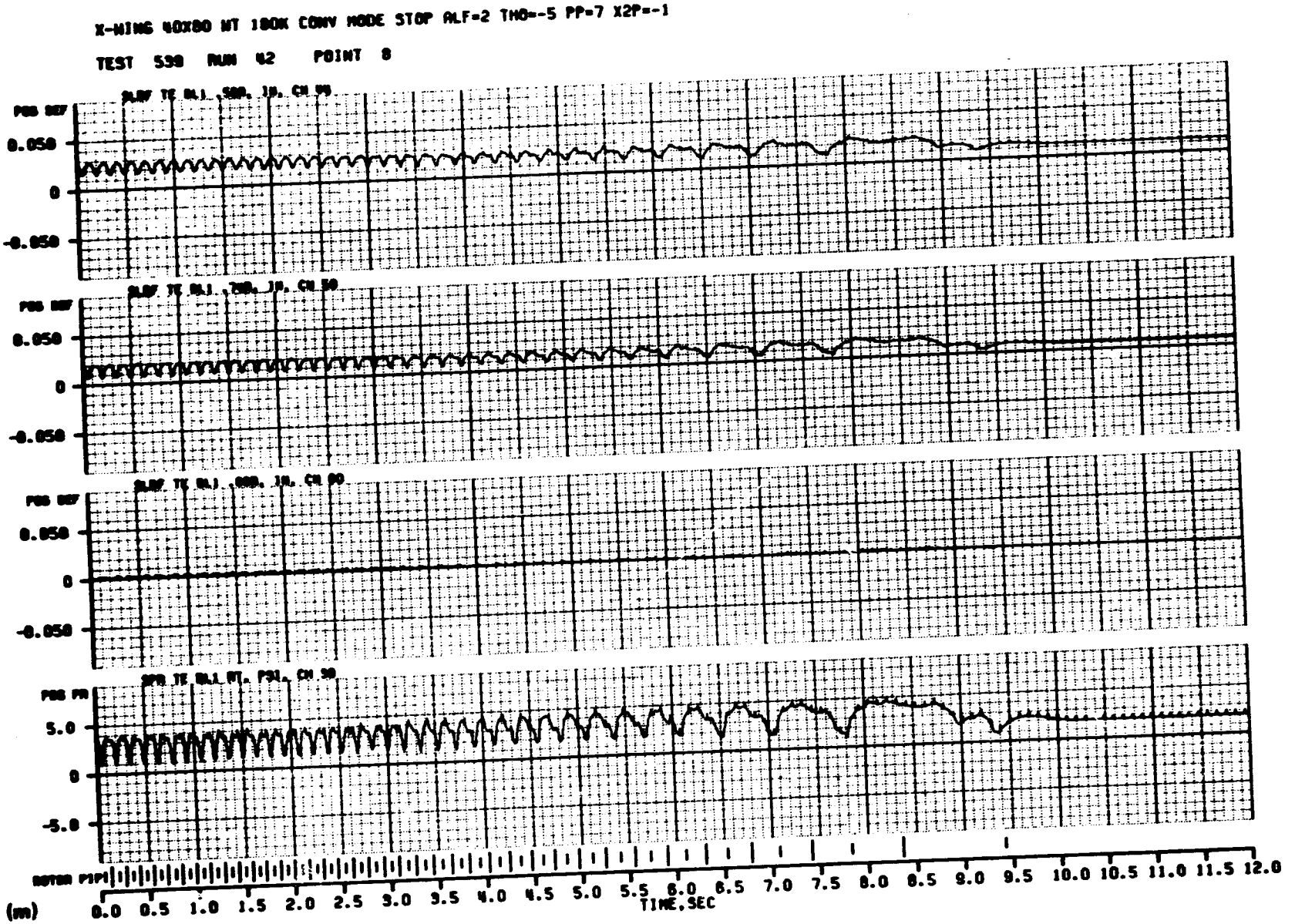


Figure 10.- Concluded.

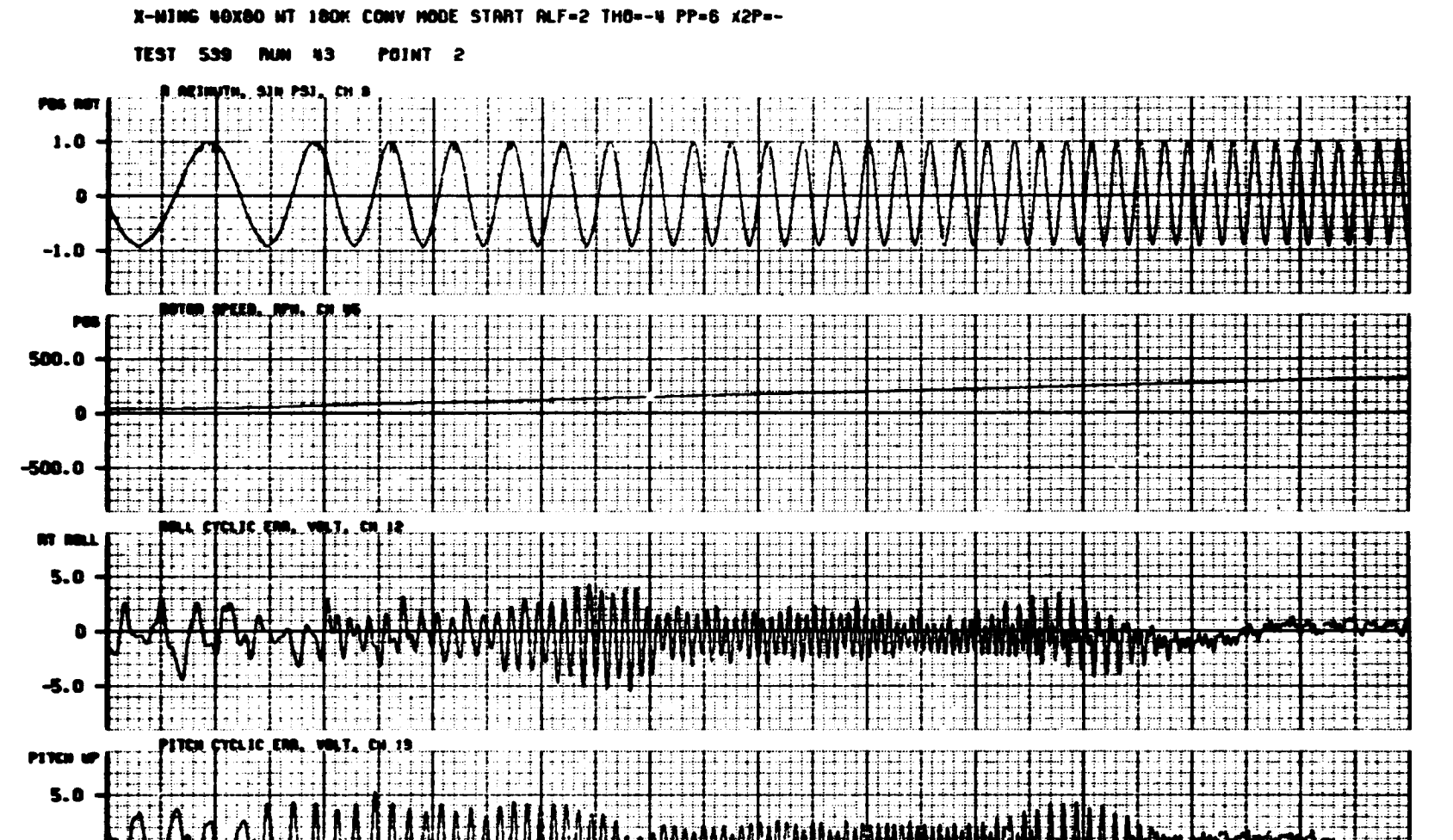
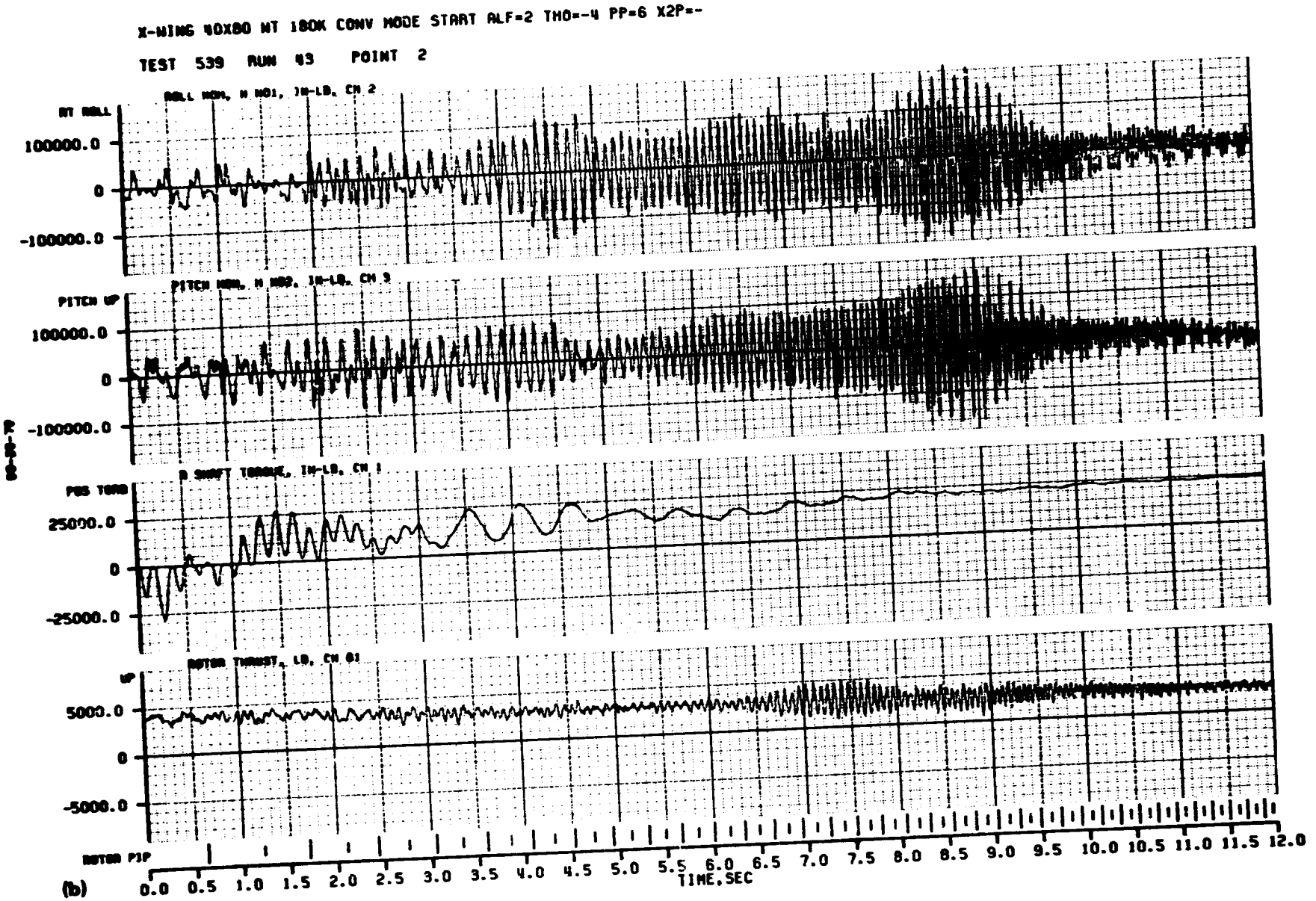


Figure 11.- Time history of run 43, data point 2, rotor transient from fixed-wing to rotary-wing.



(b)

Figure 11.- Continued.

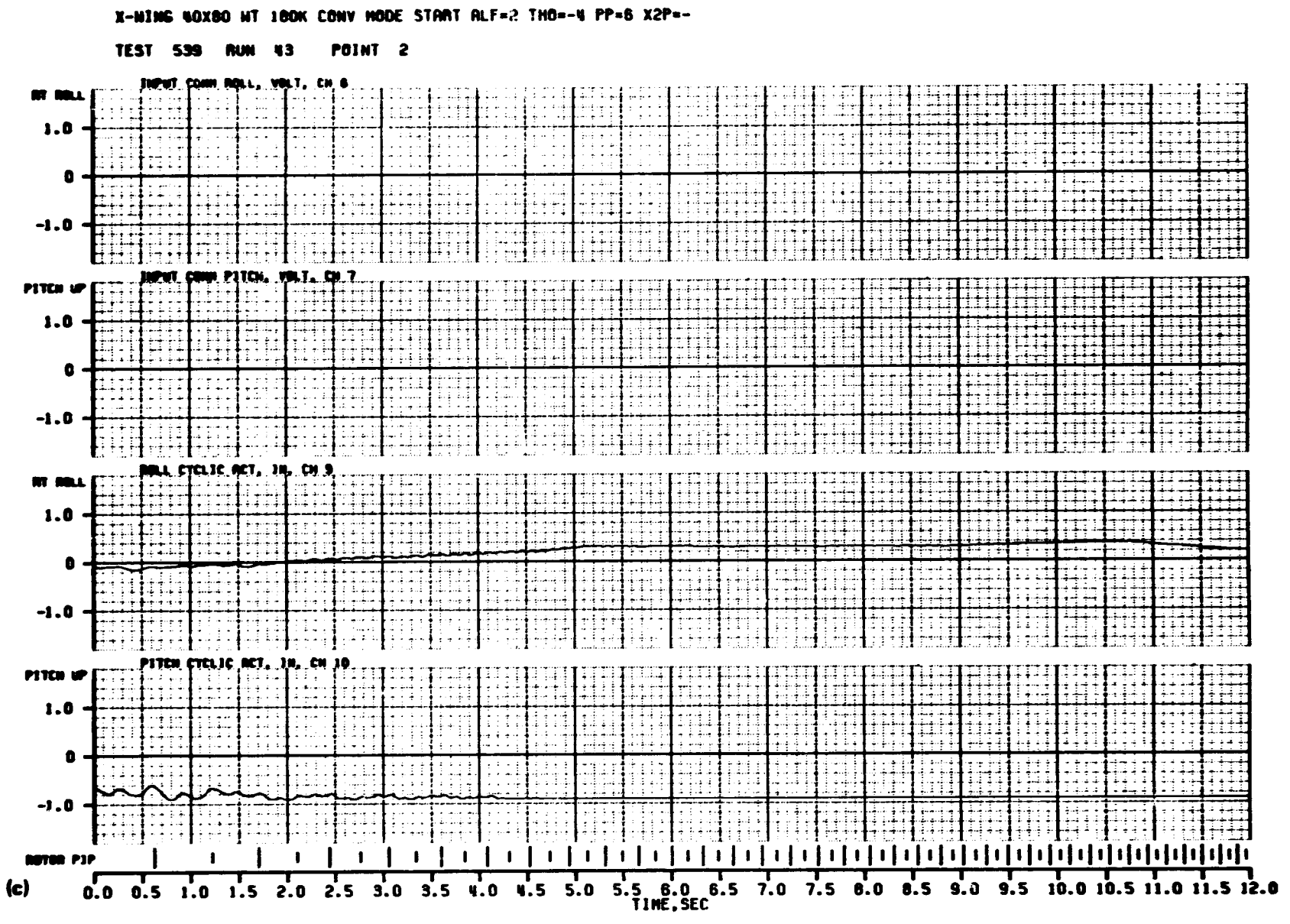


Figure 11.- Continued.

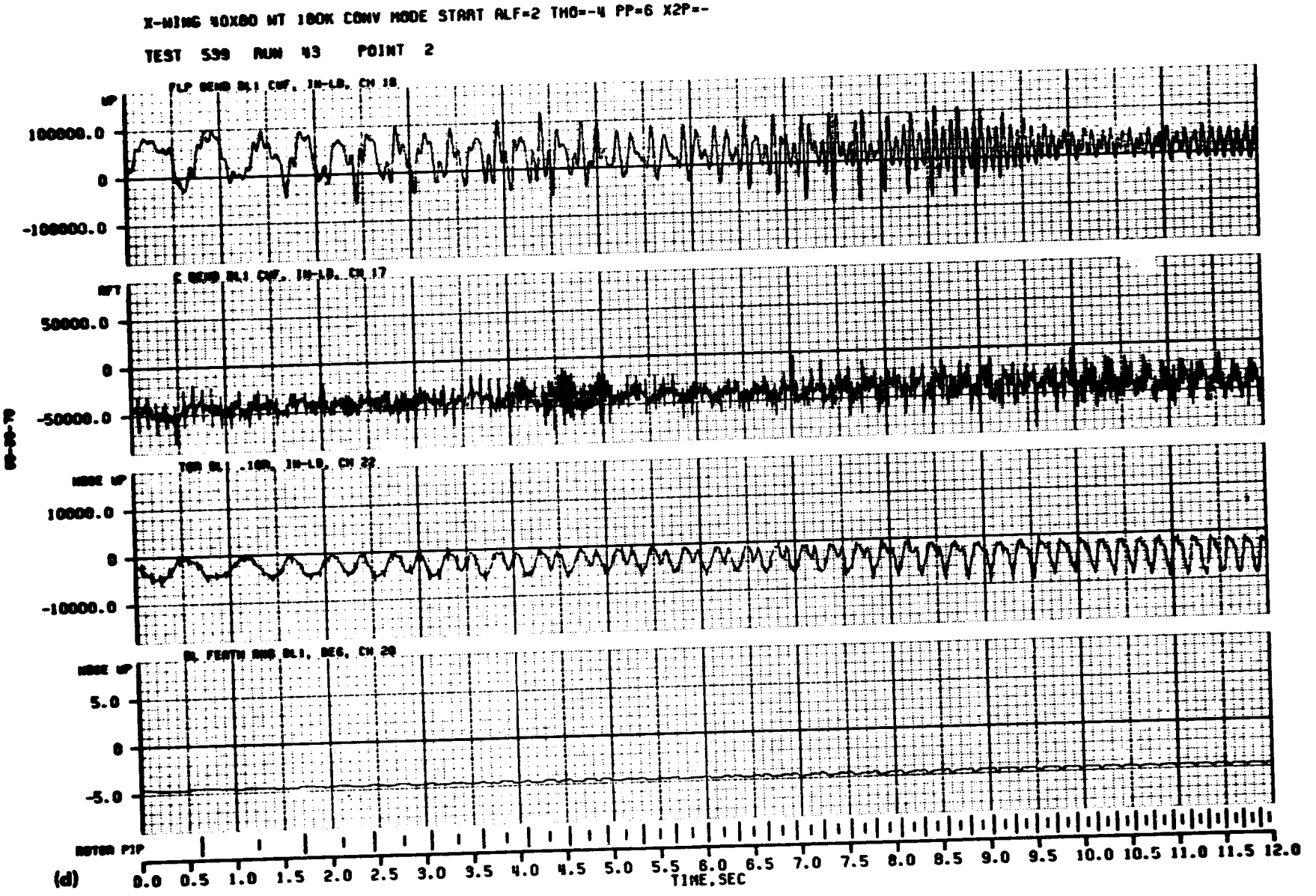


Figure 11.- Continued.

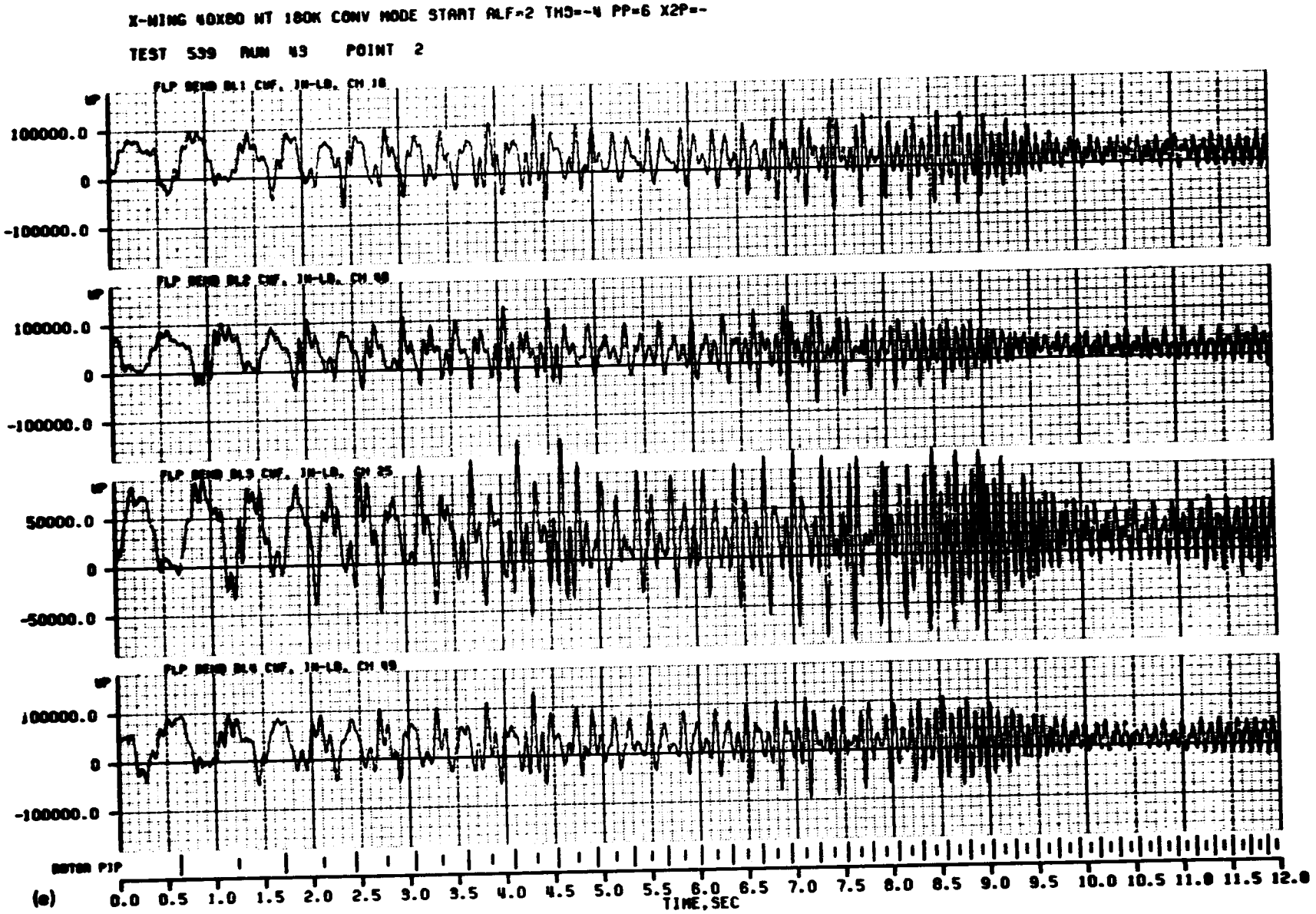


Figure 11.- Continued.

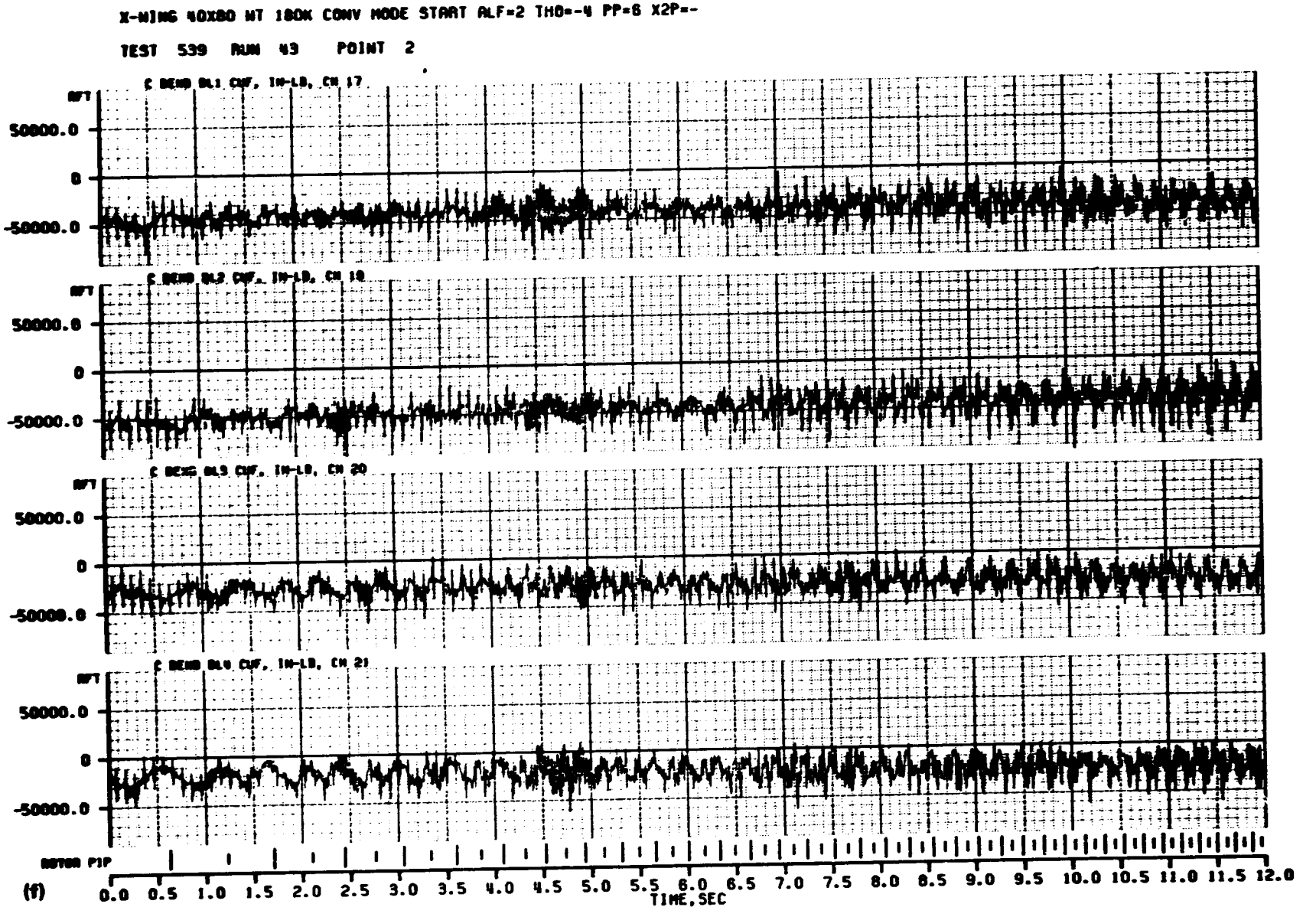
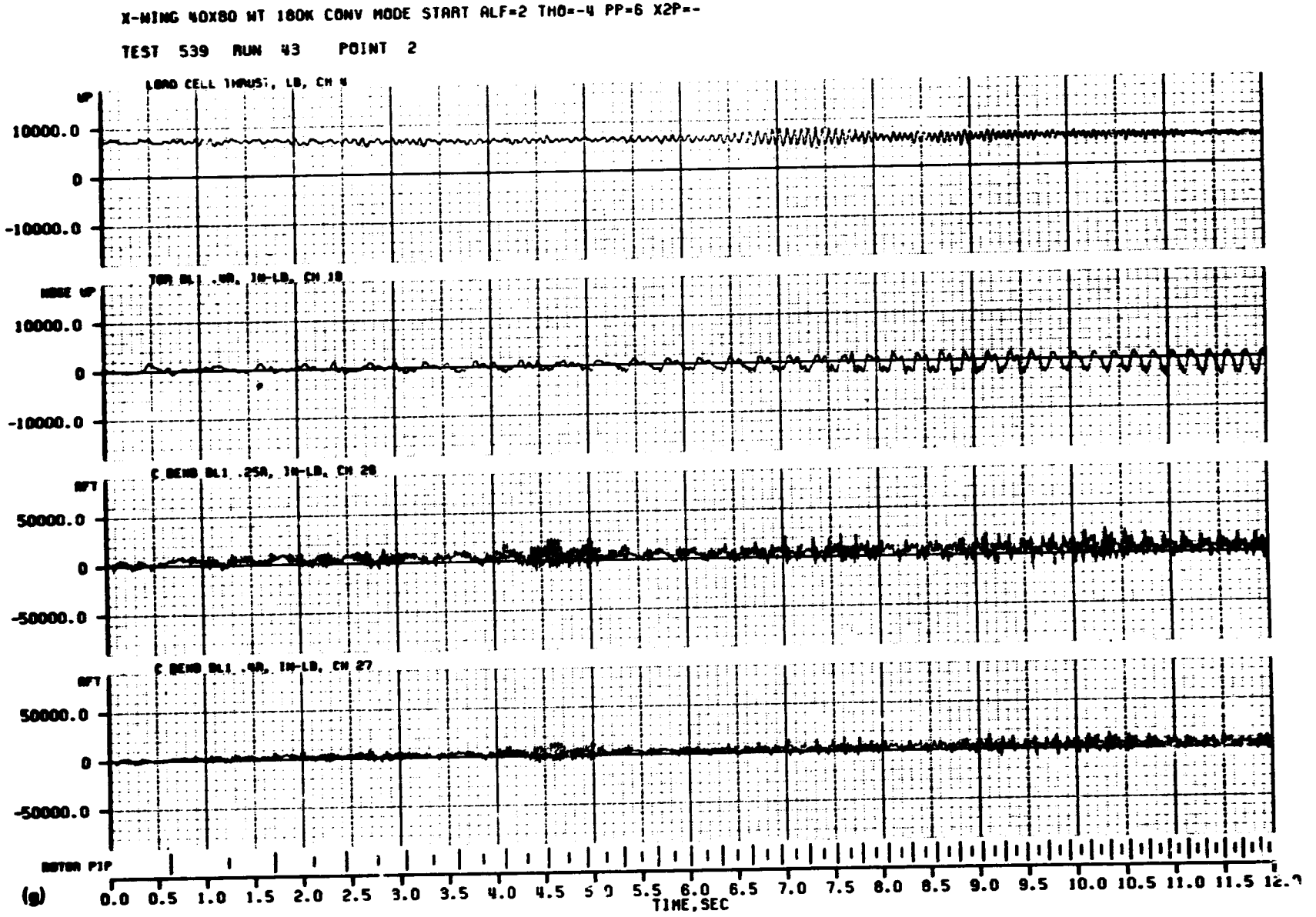


Figure 11.- Continued.



(g)

Figure 11.- Continued.

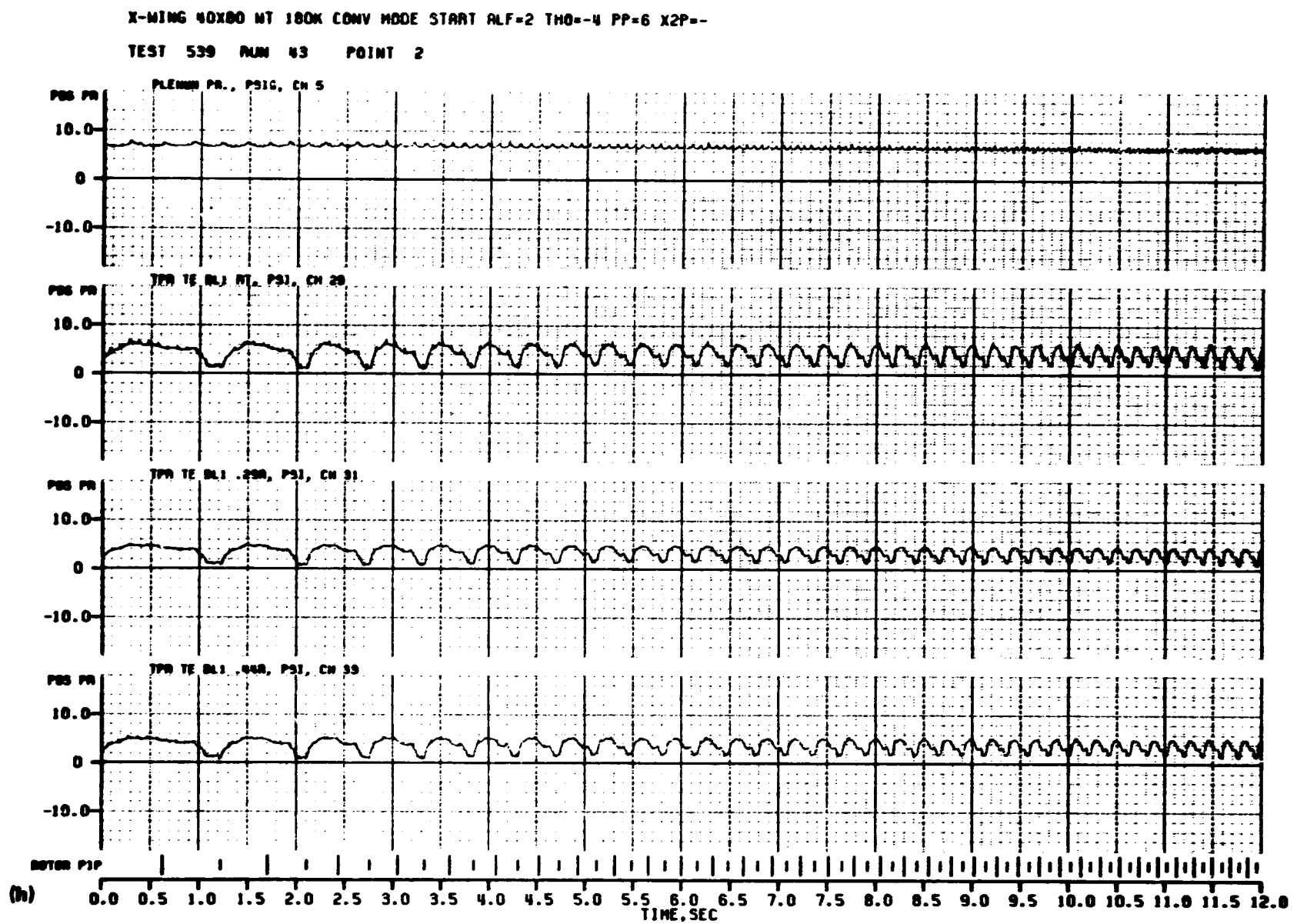
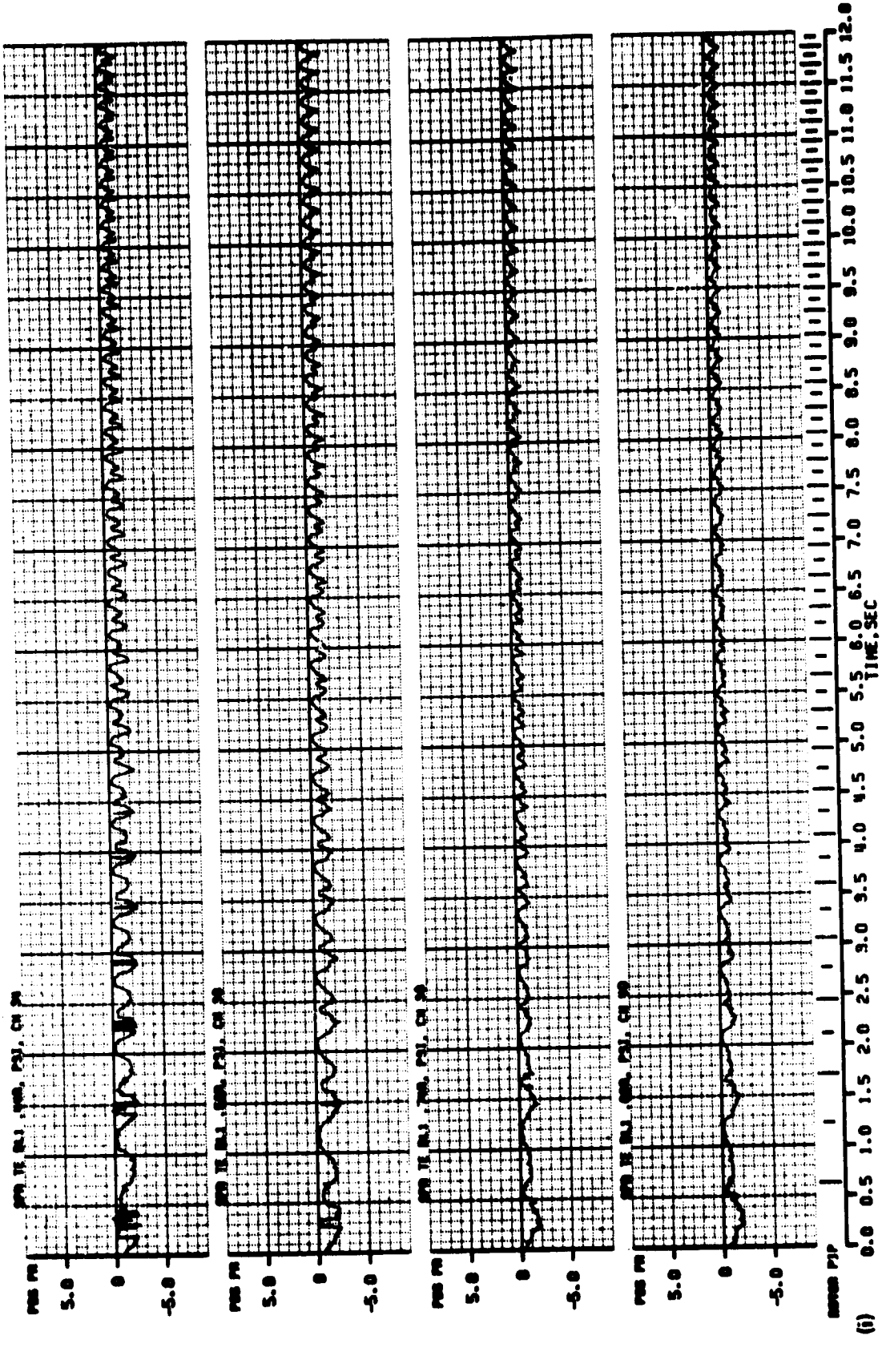


Figure 11.- Continued.



(i)

Figure 11.- Continued.

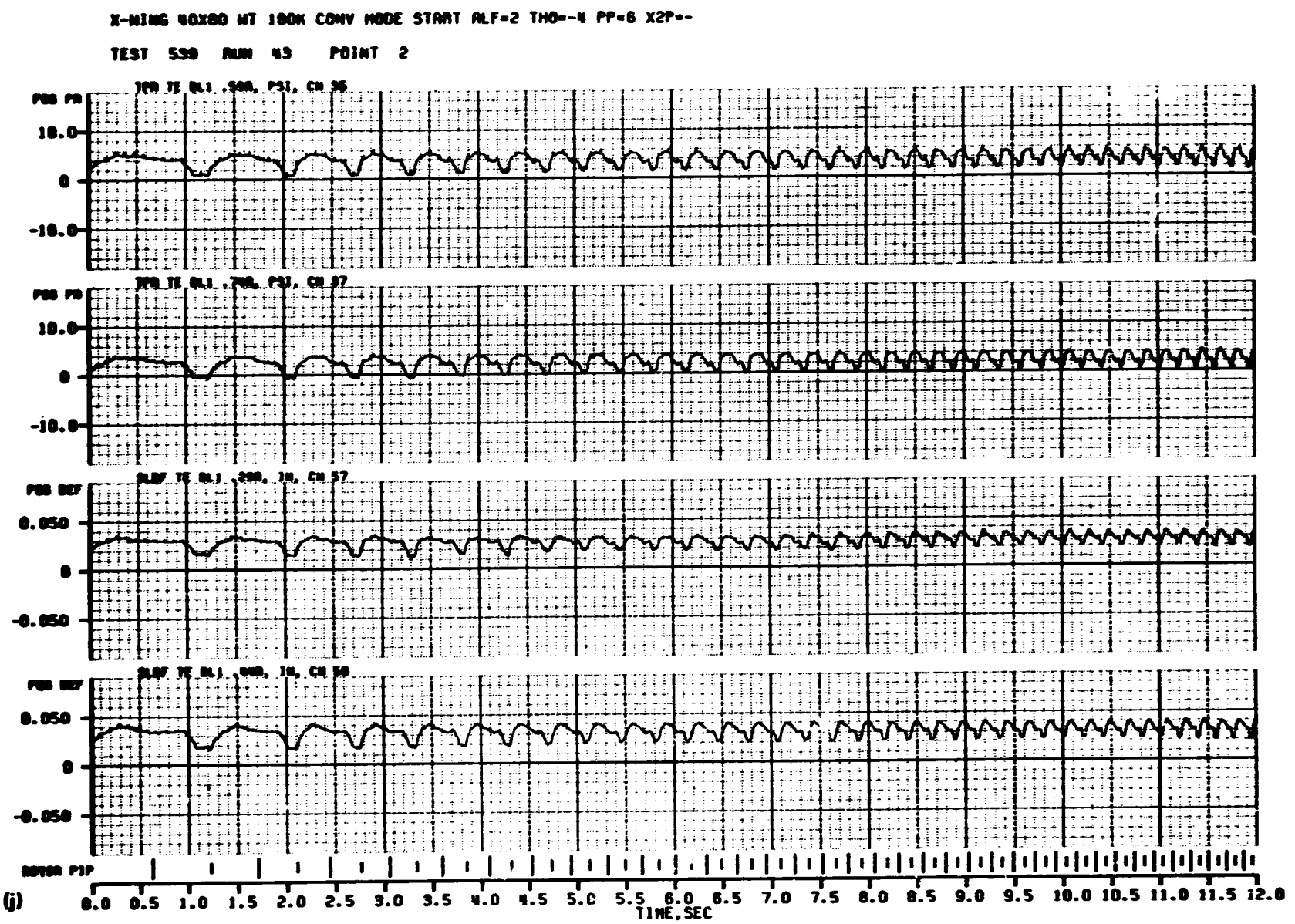


Figure 11.- Continued.

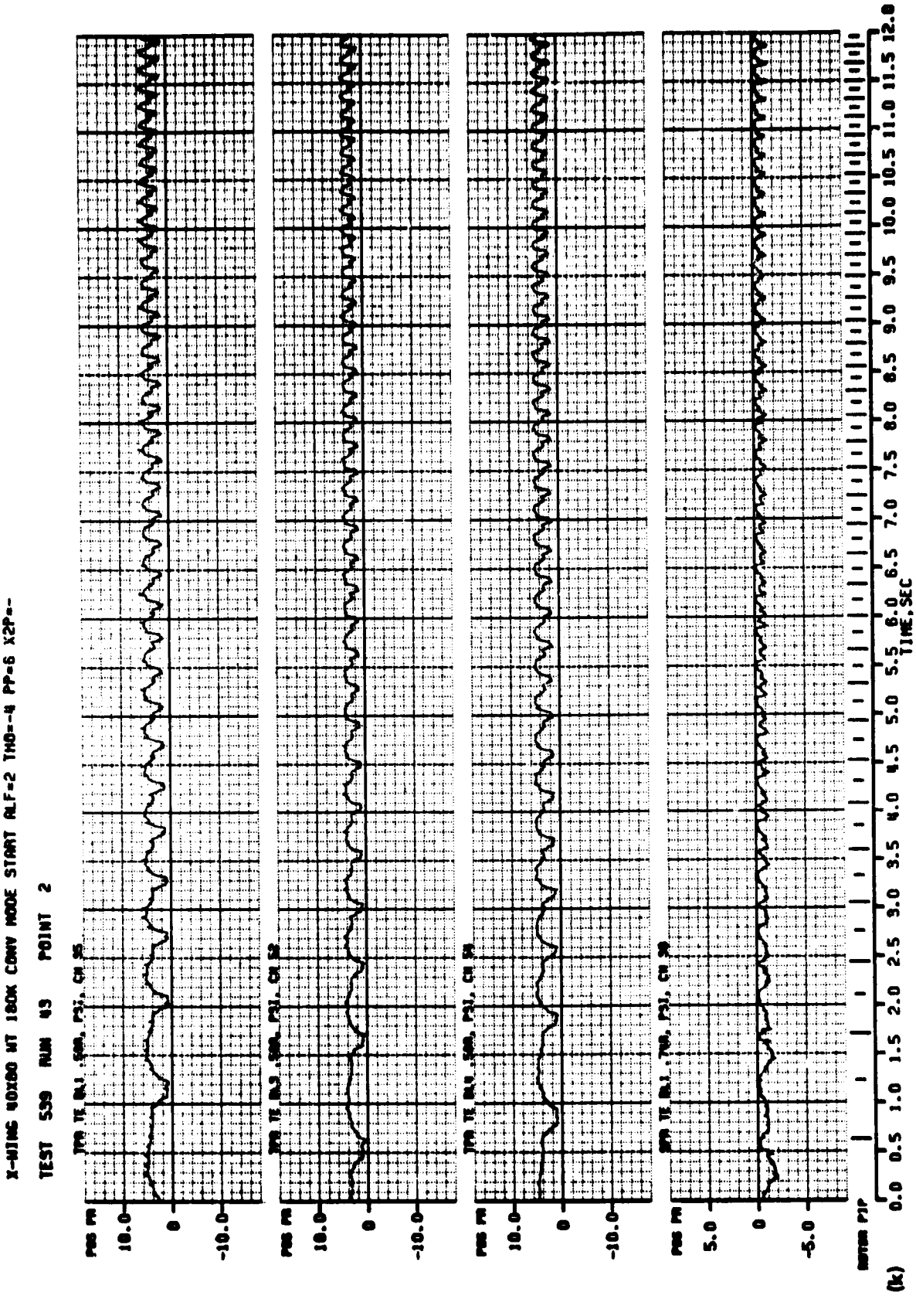


Figure 11.- Continued.

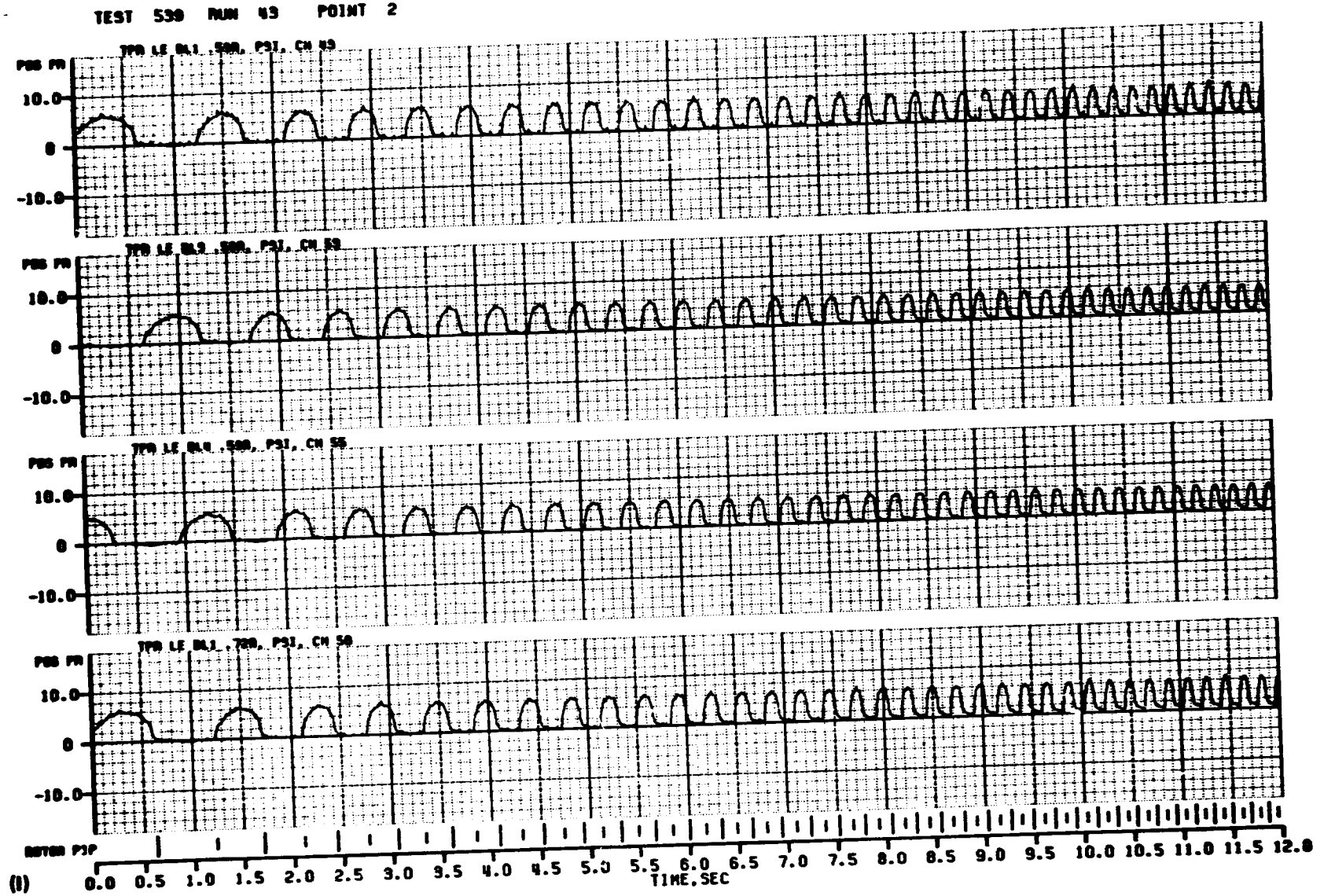


Figure 11.- Continued.

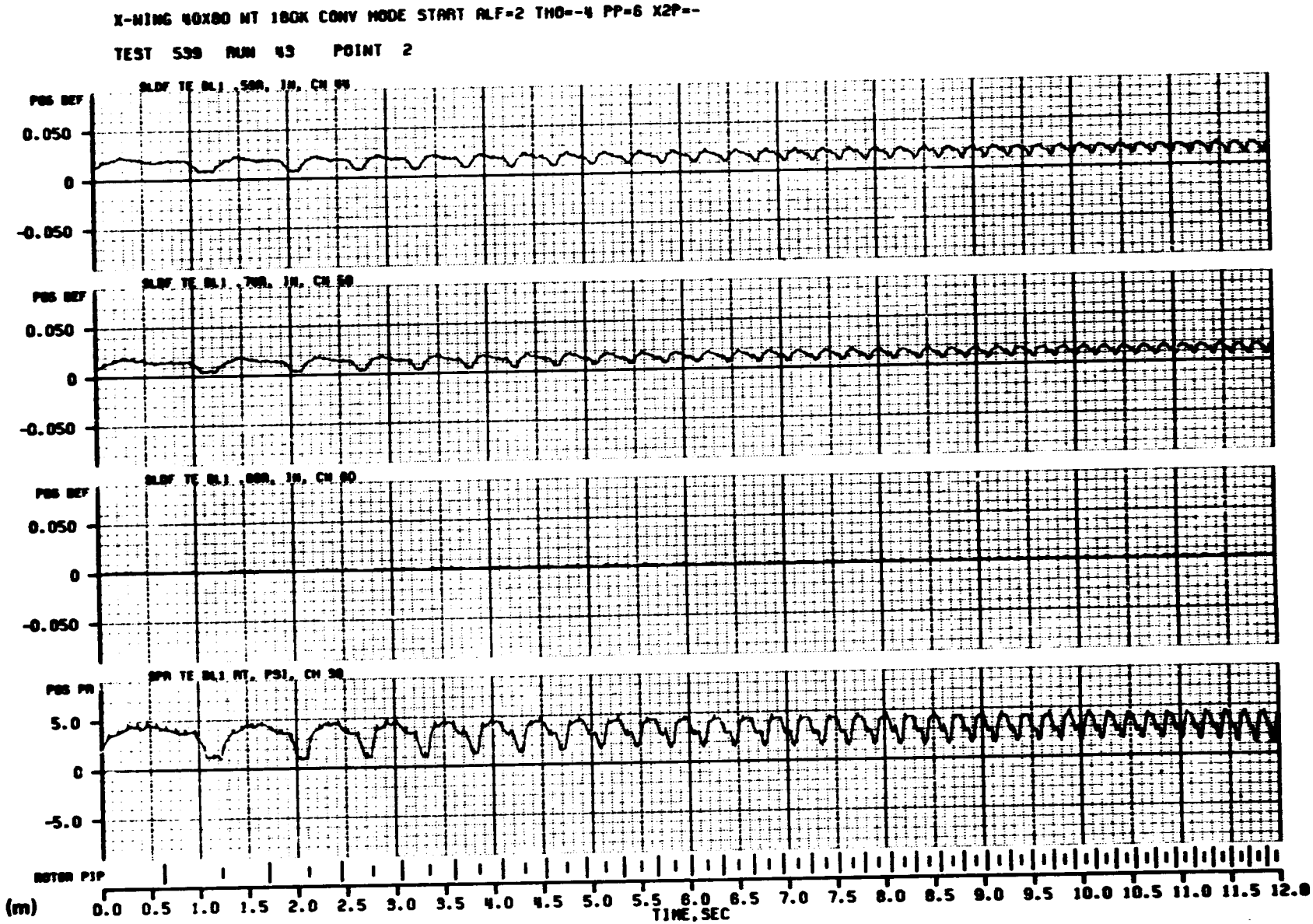
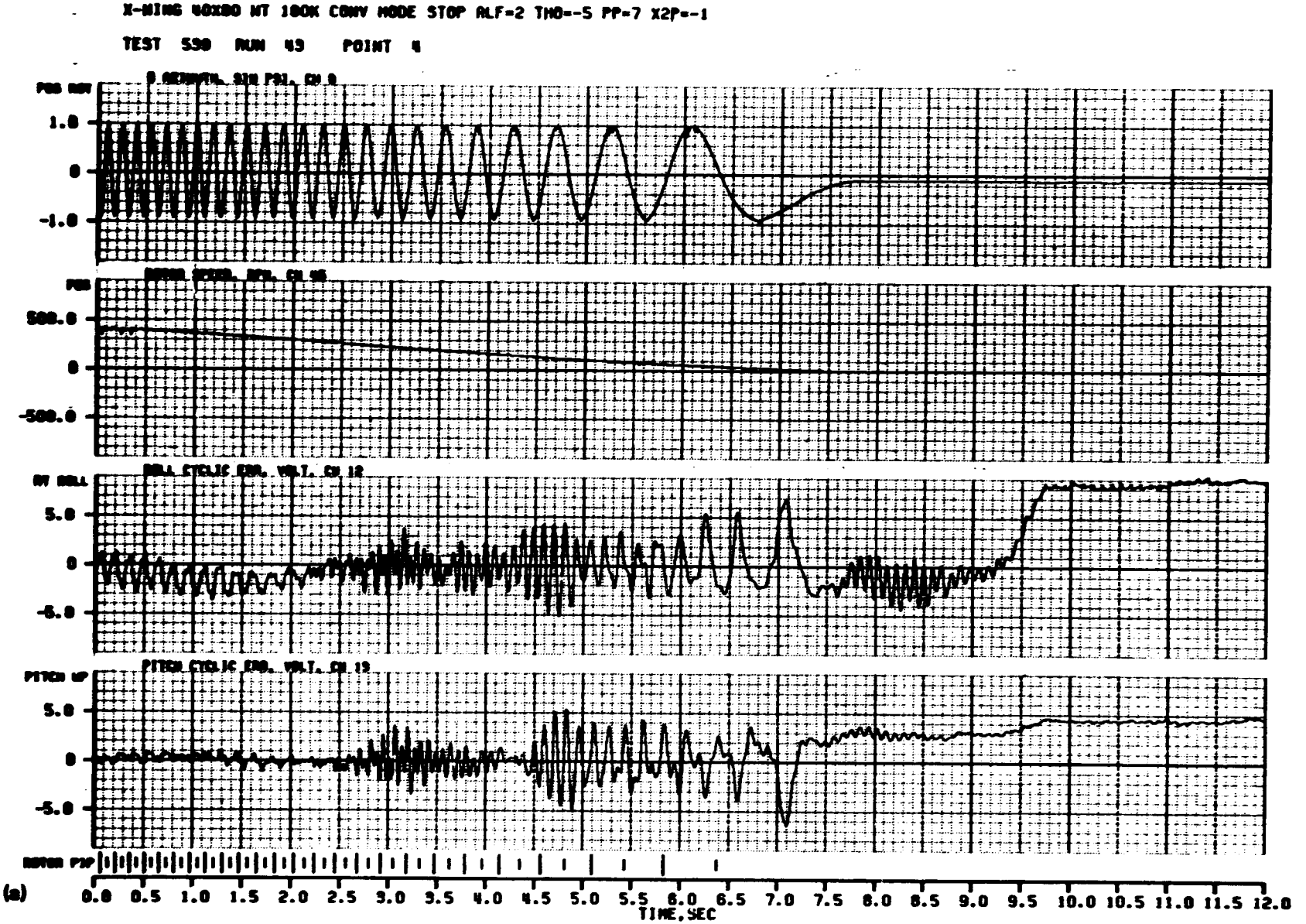
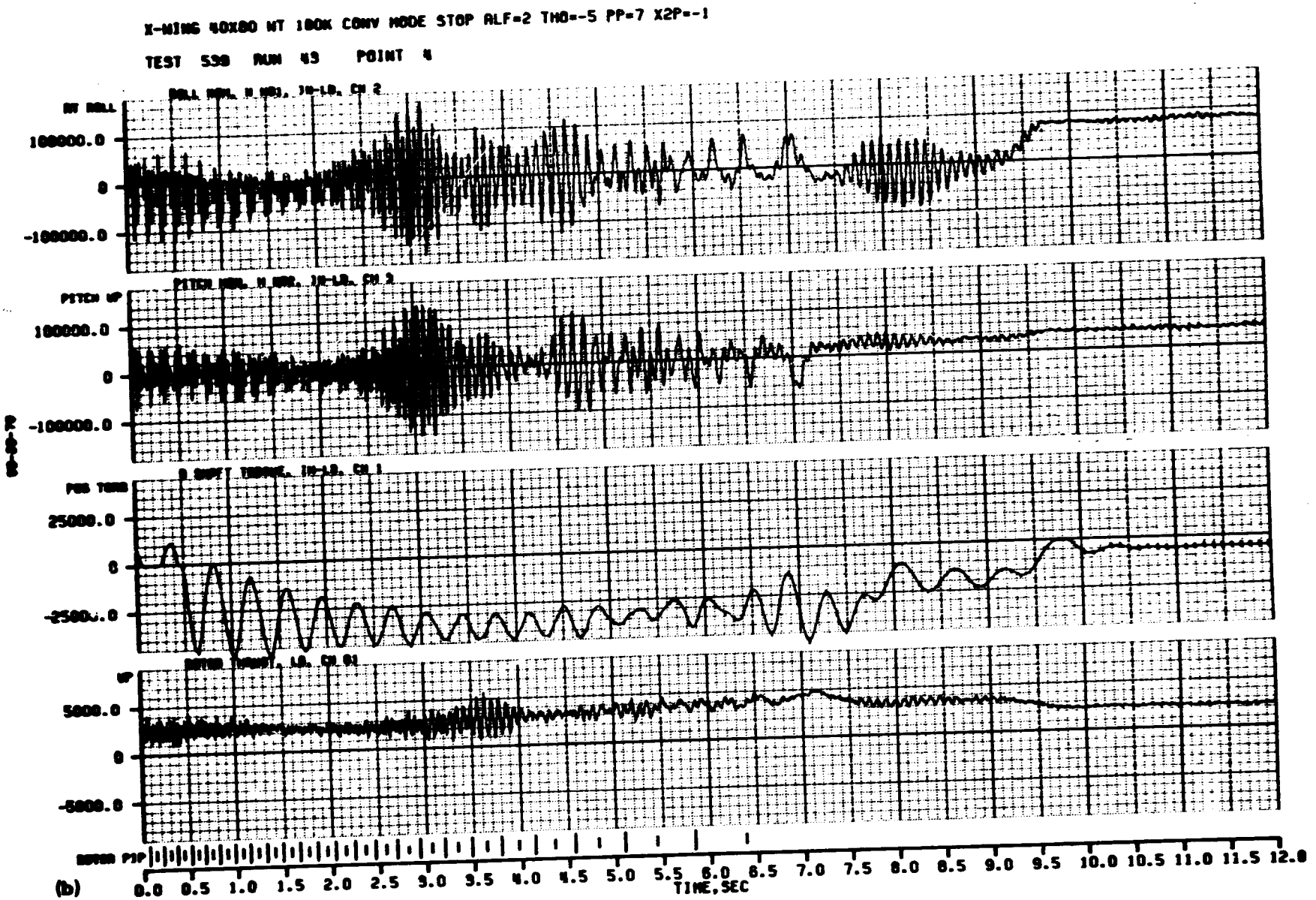


Figure 11.- Concluded.



(a)

Figure 12.- Time history of run 43, data point 4, rotor transient from rotary-wing to fixed-wing.



(b)

Figure 12.- Continued.

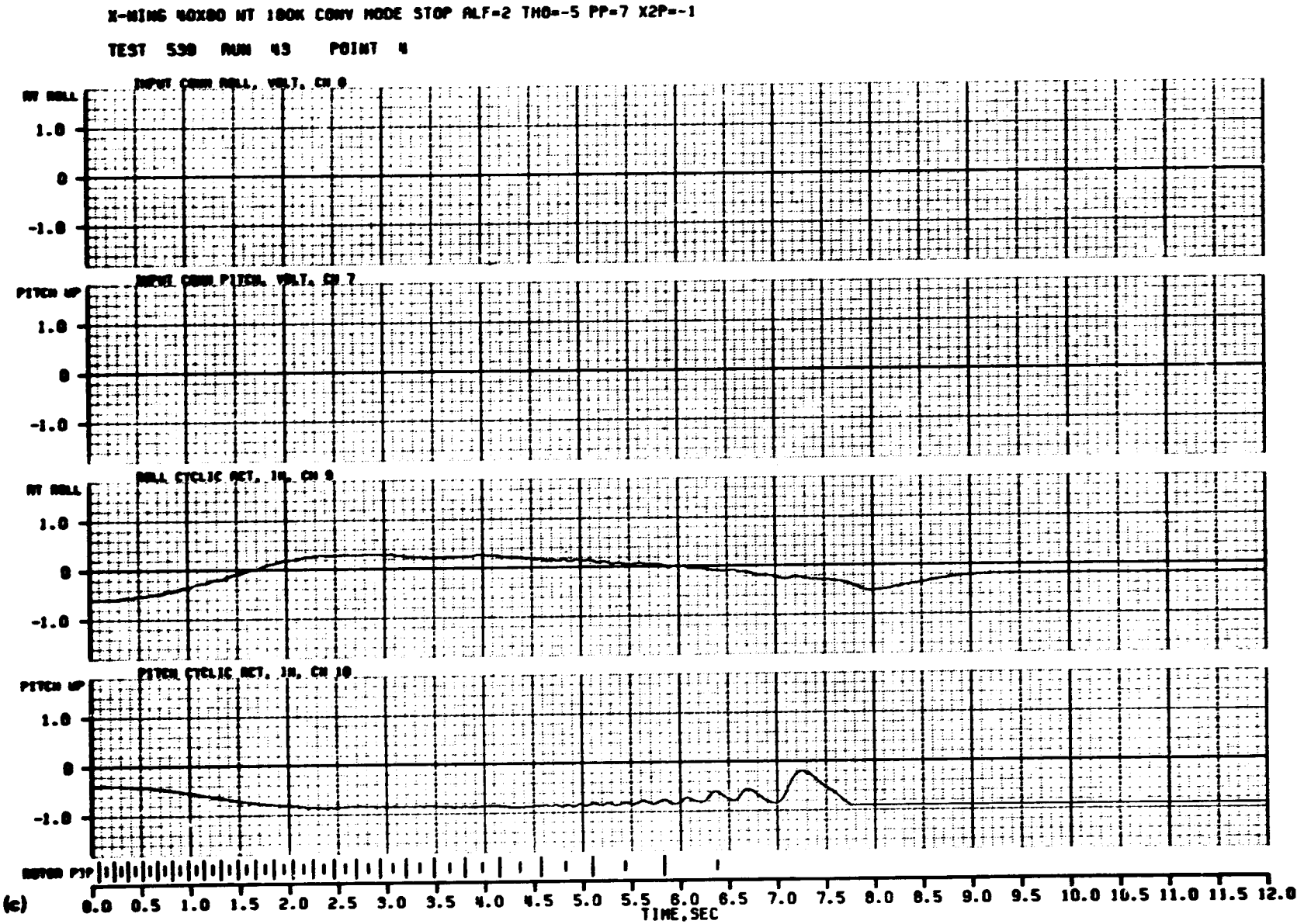


Figure 12.- Continued.

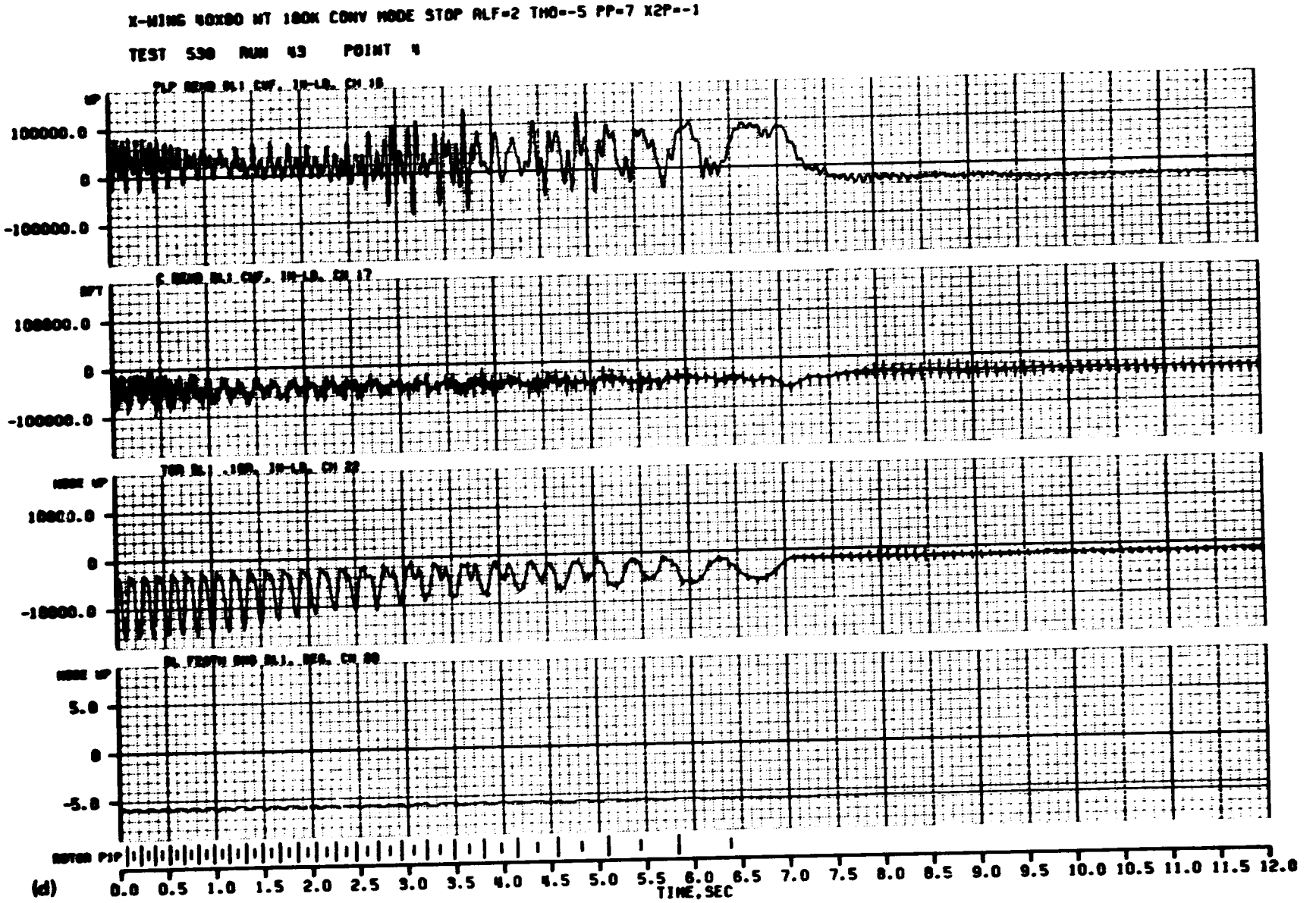


Figure 12.- Continued.

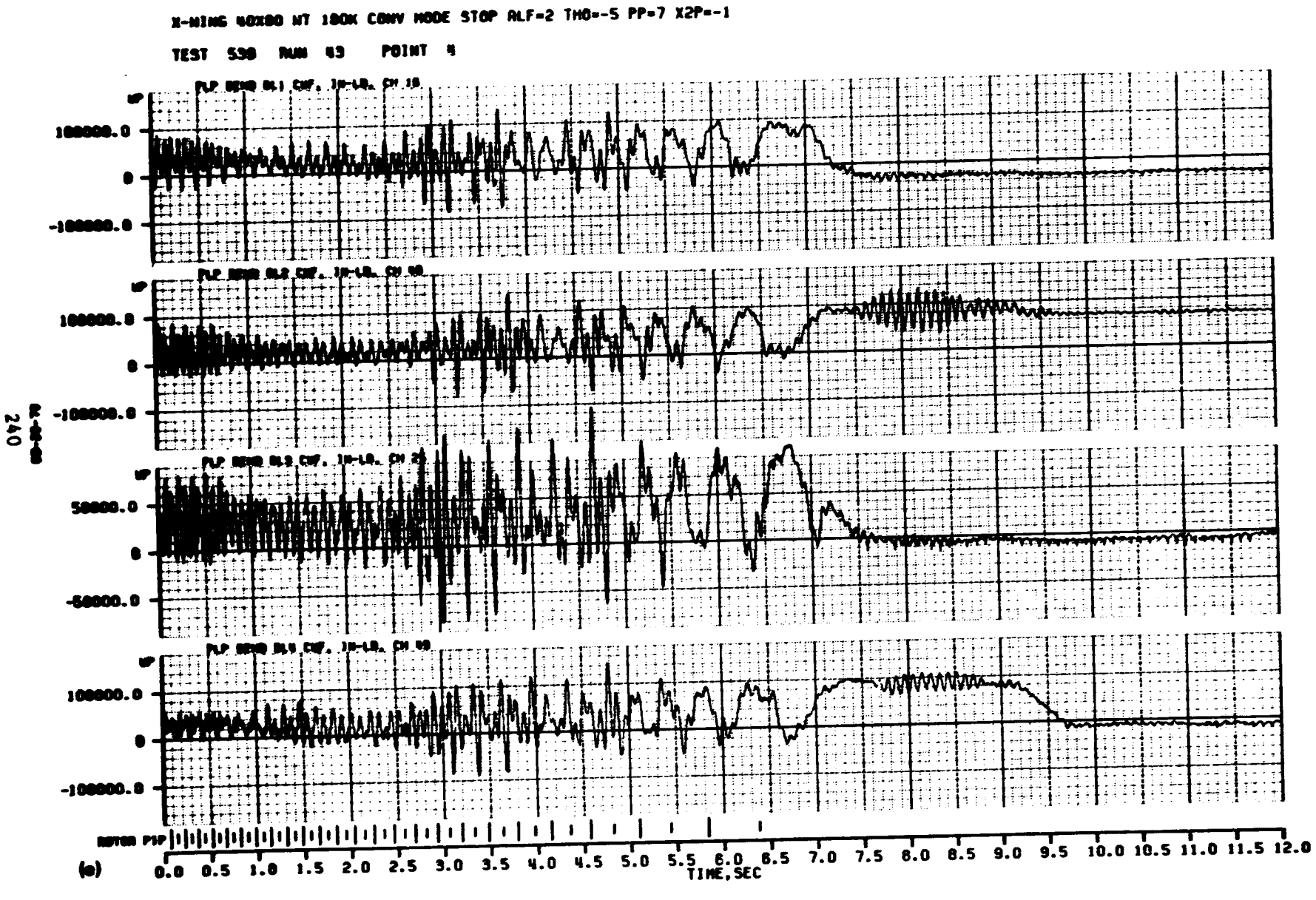


Figure 12.- Continued.

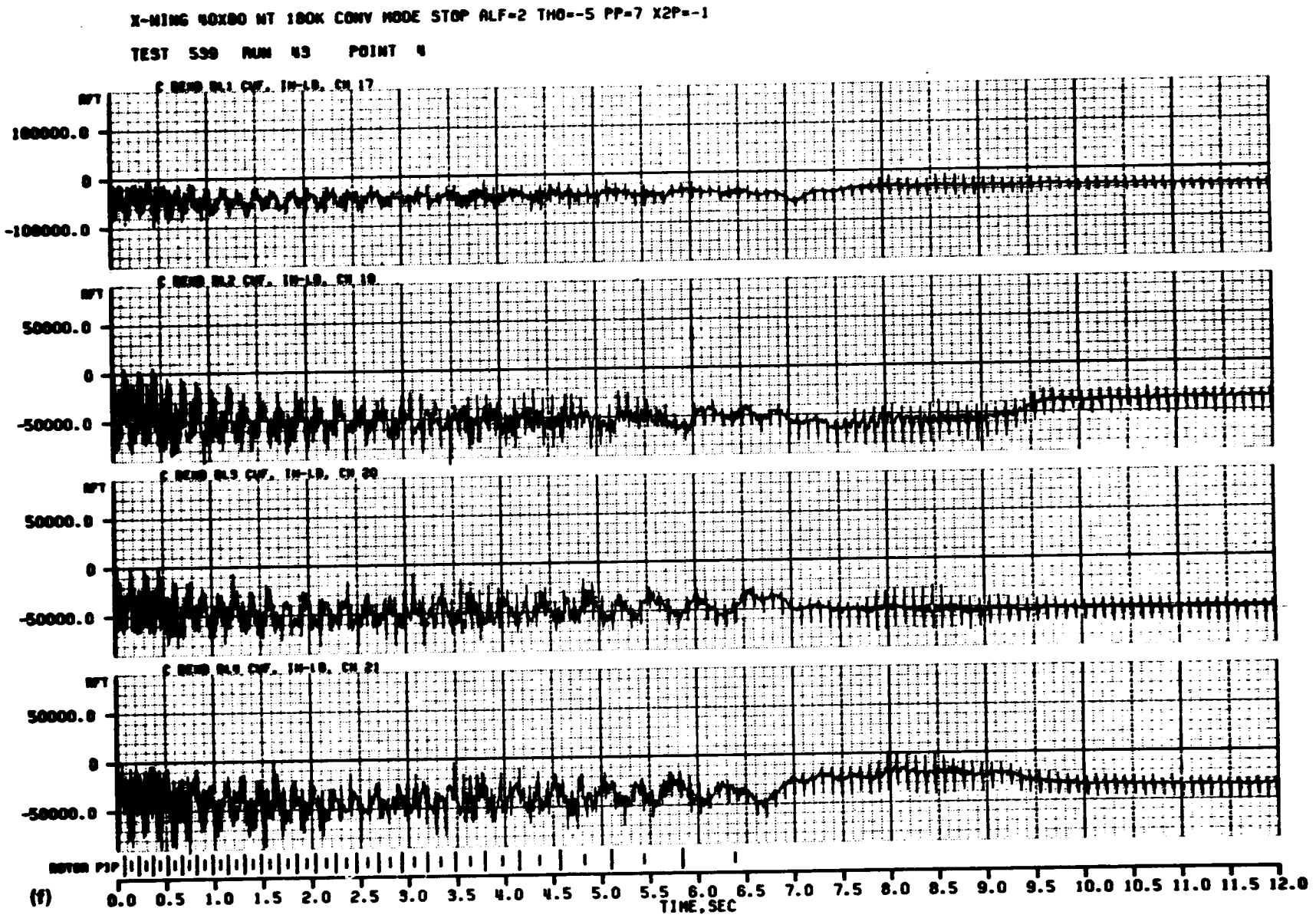


Figure 12.- Continued.

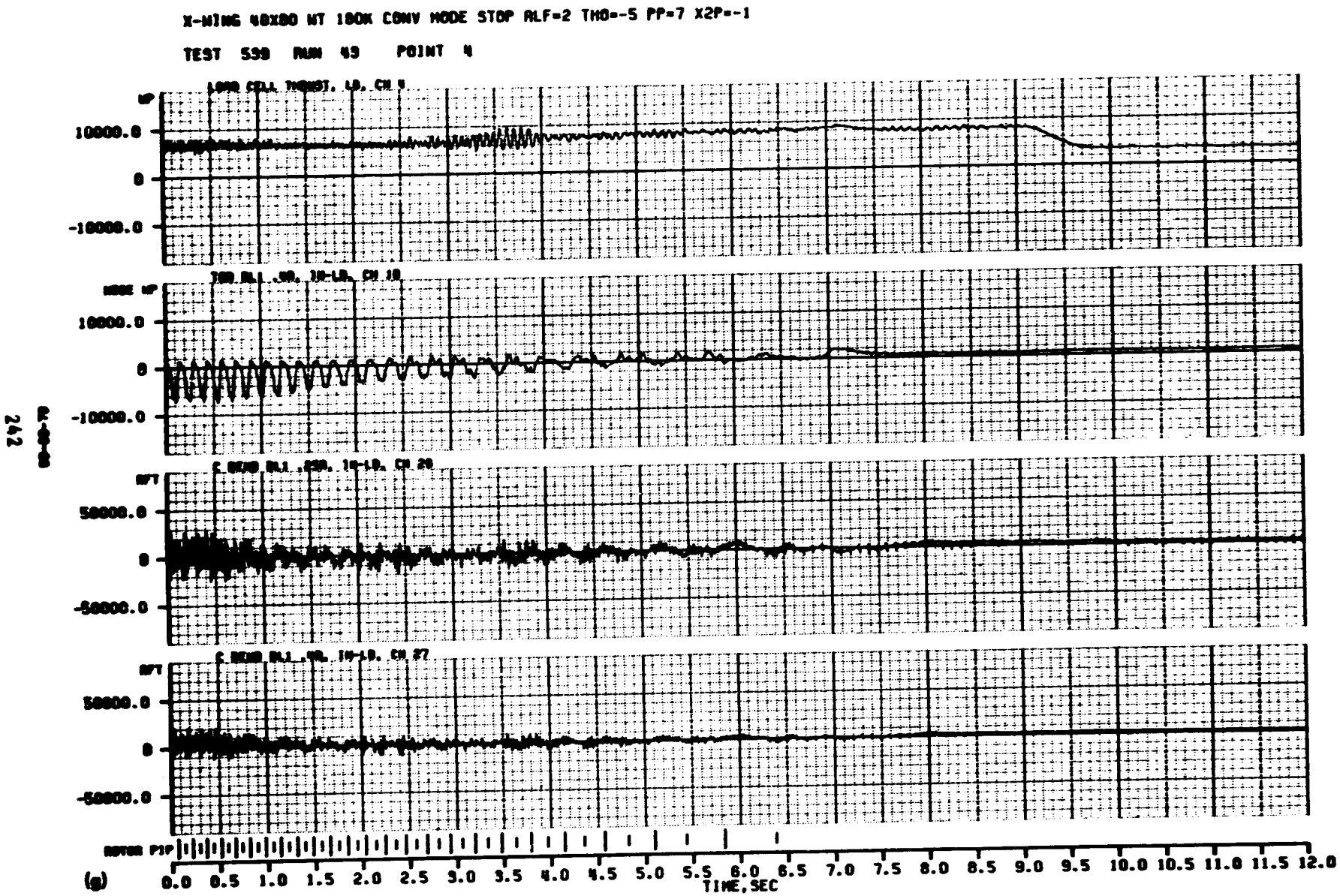
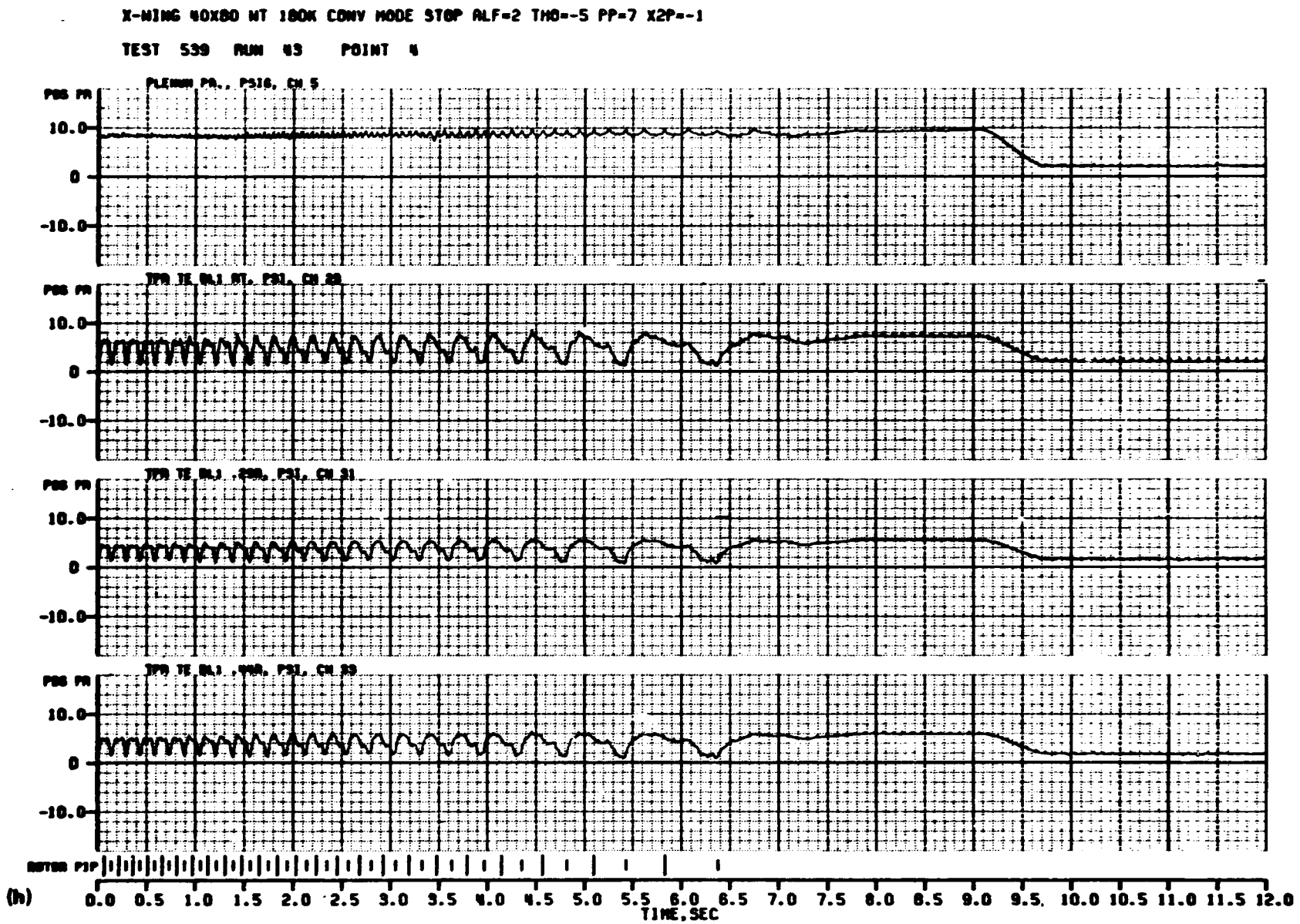


Figure 12.- Continued.



(h)

Figure 12.- Continued.

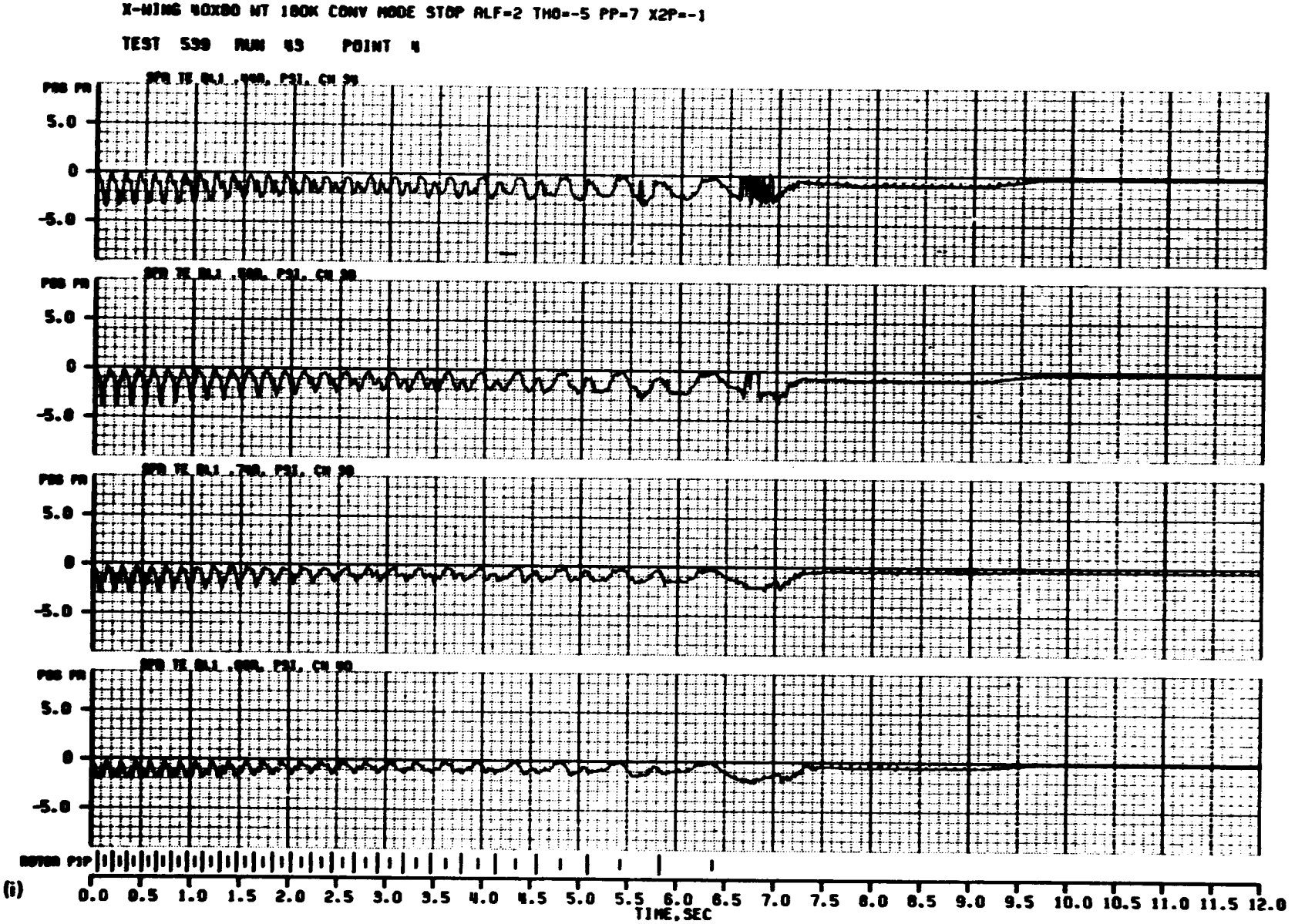
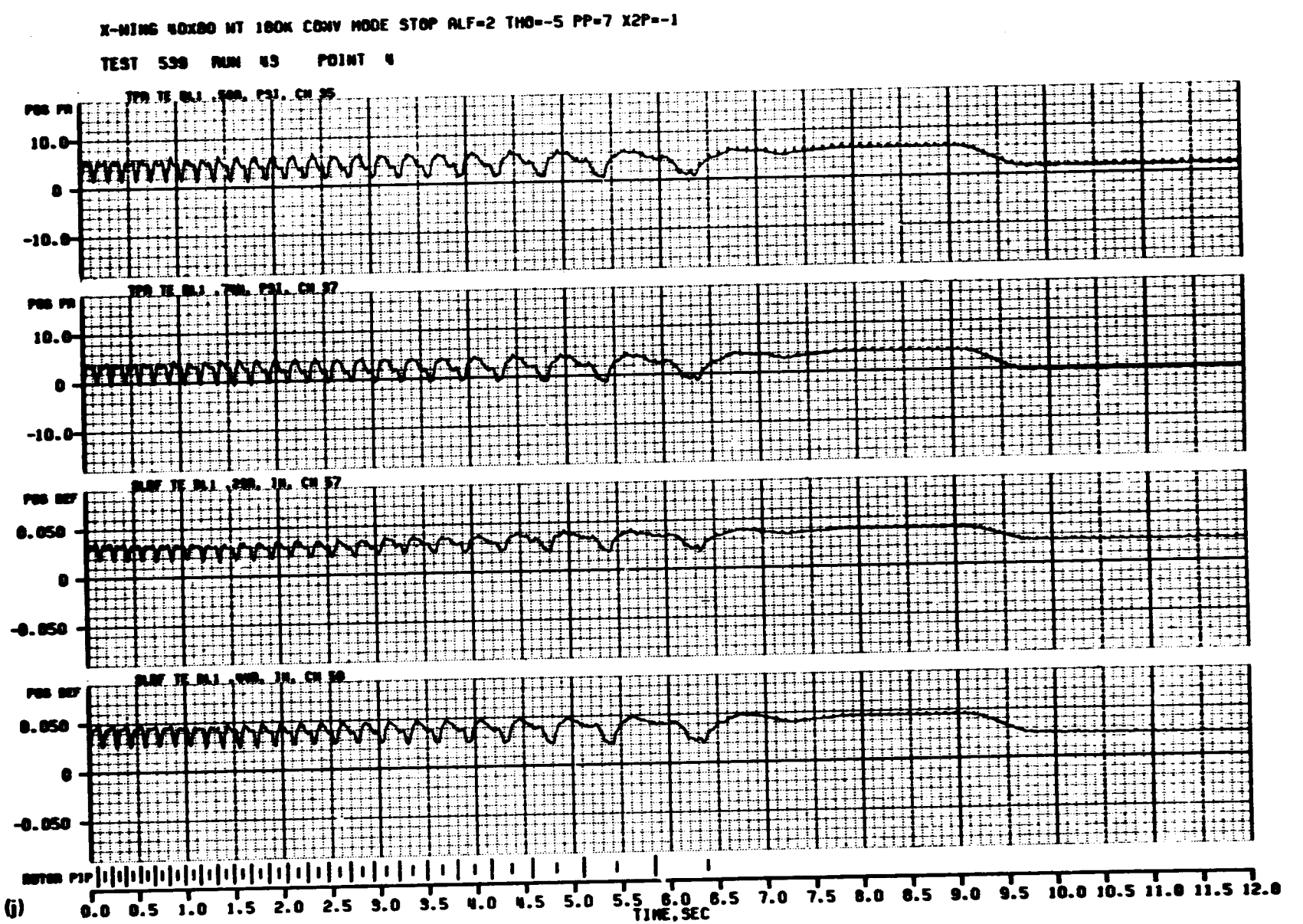


Figure 12.- Continued.



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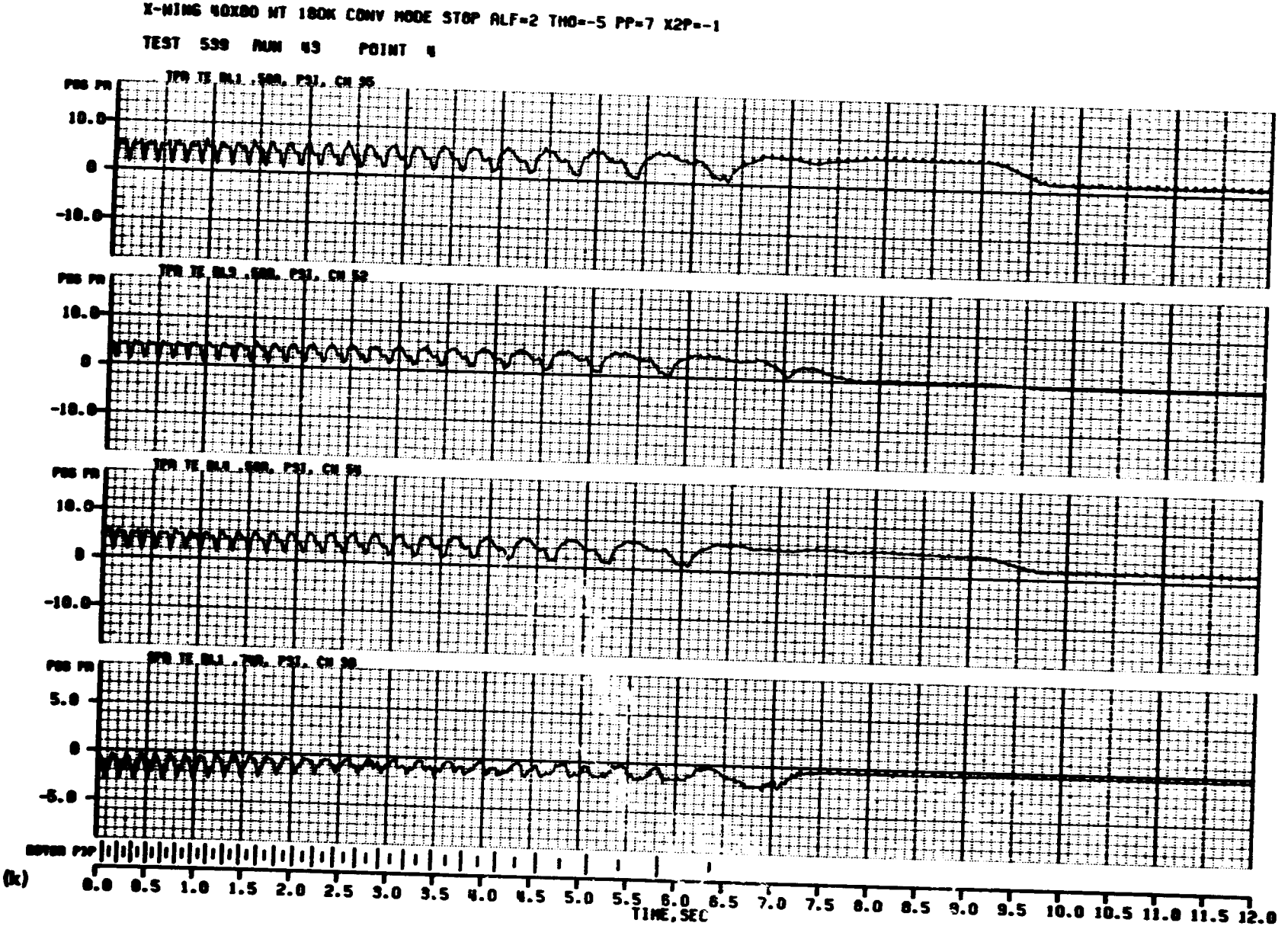
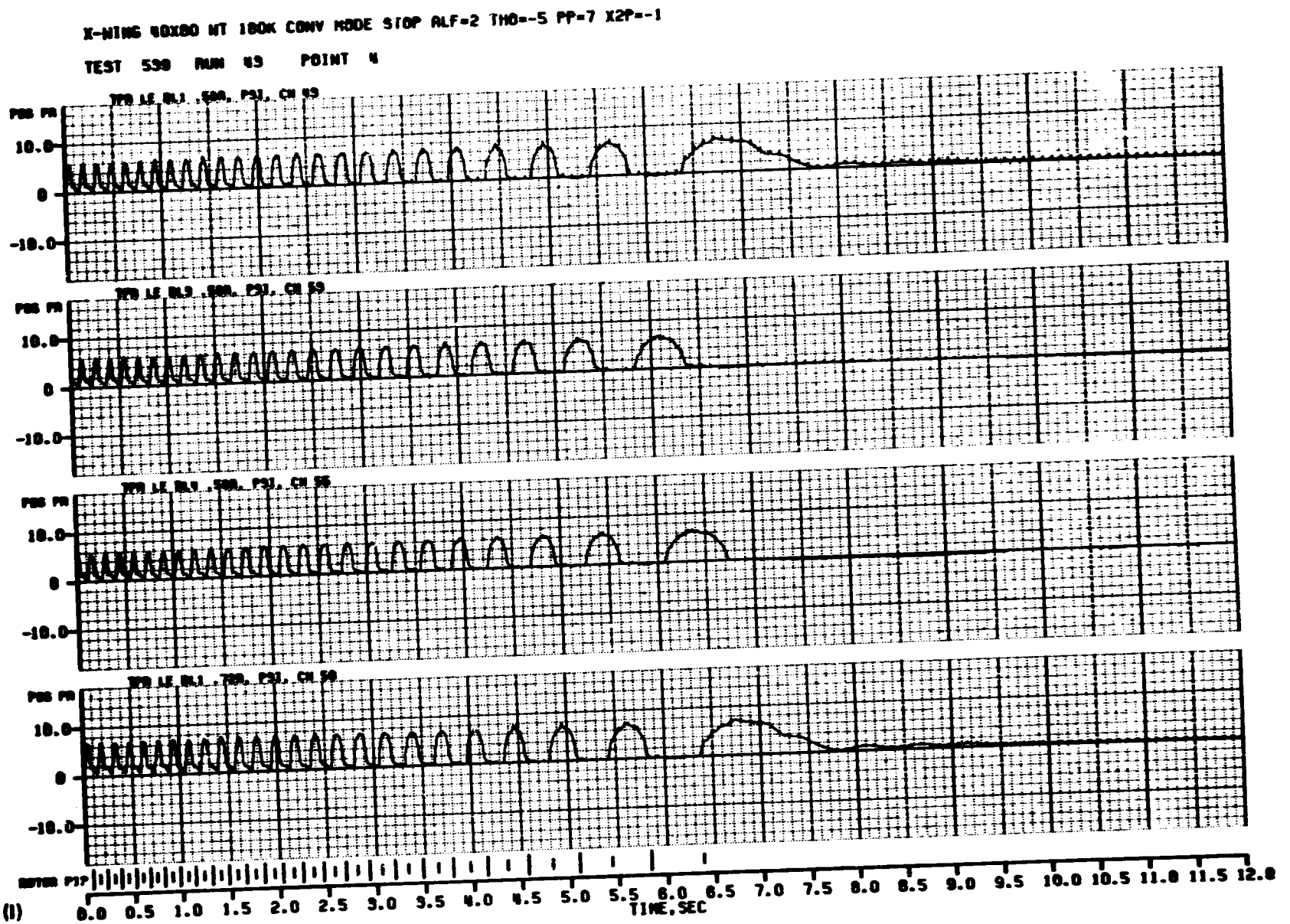


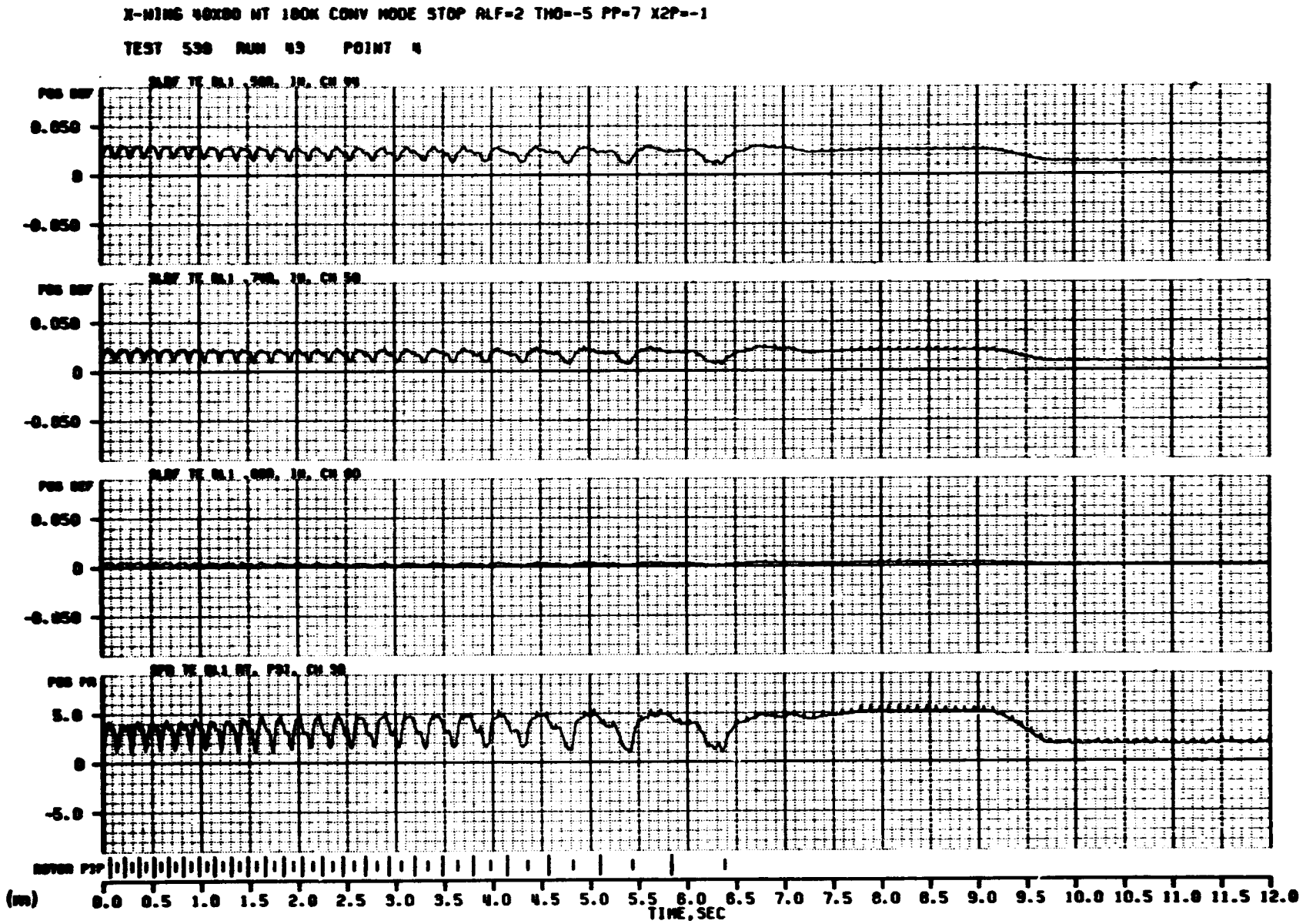
(k)

Figure 12.- Continued.



(l)

Figure 12.- Continued.



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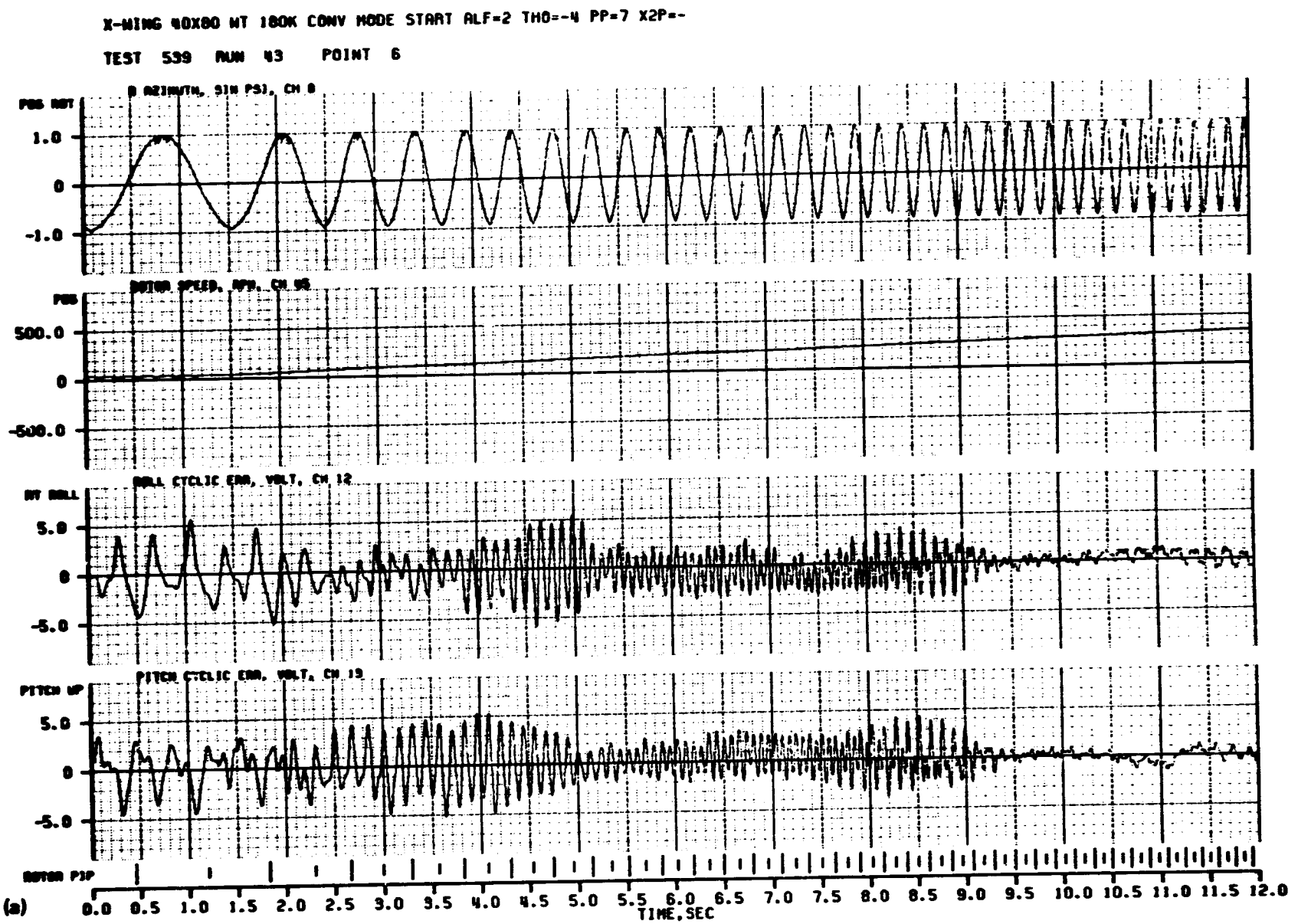
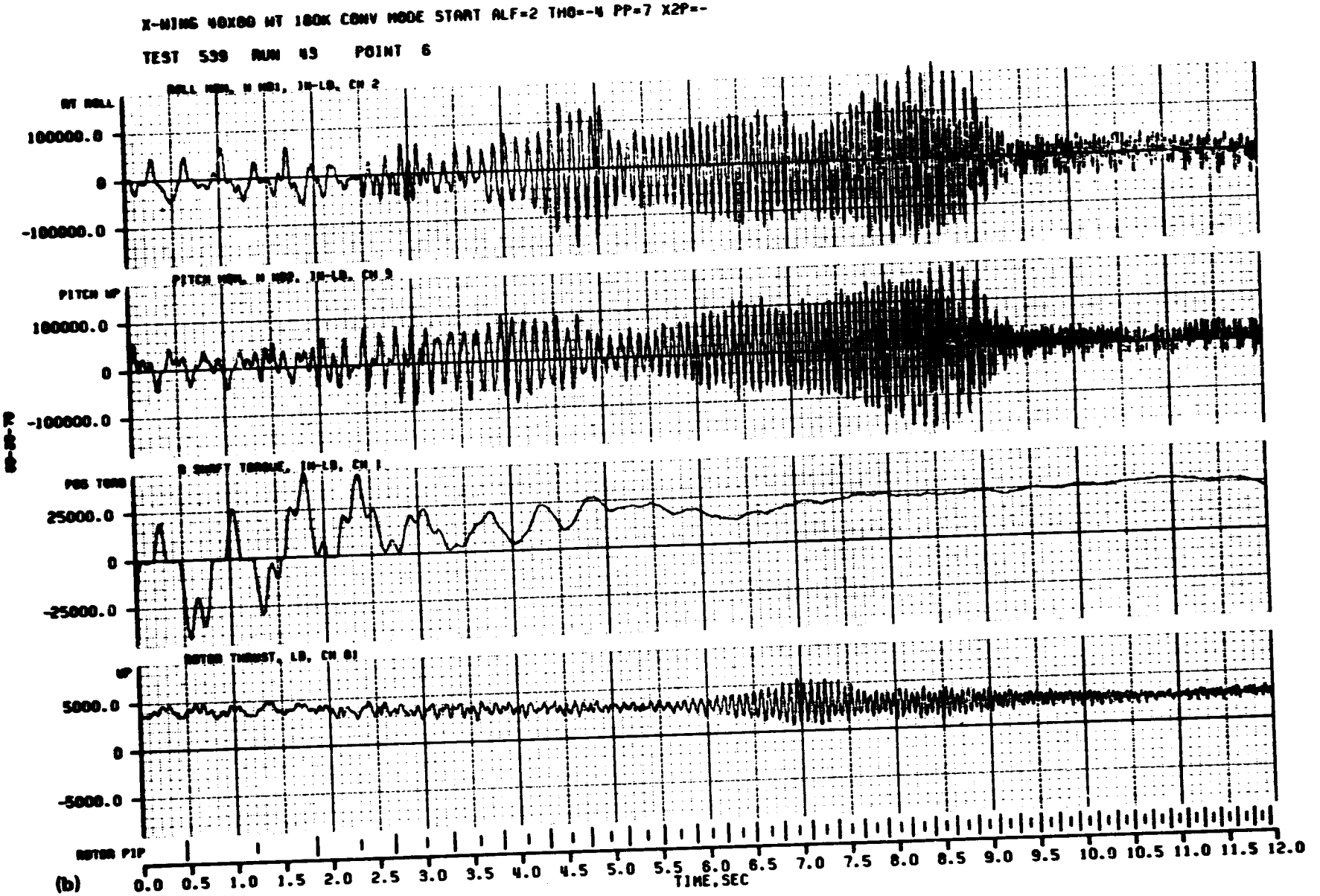
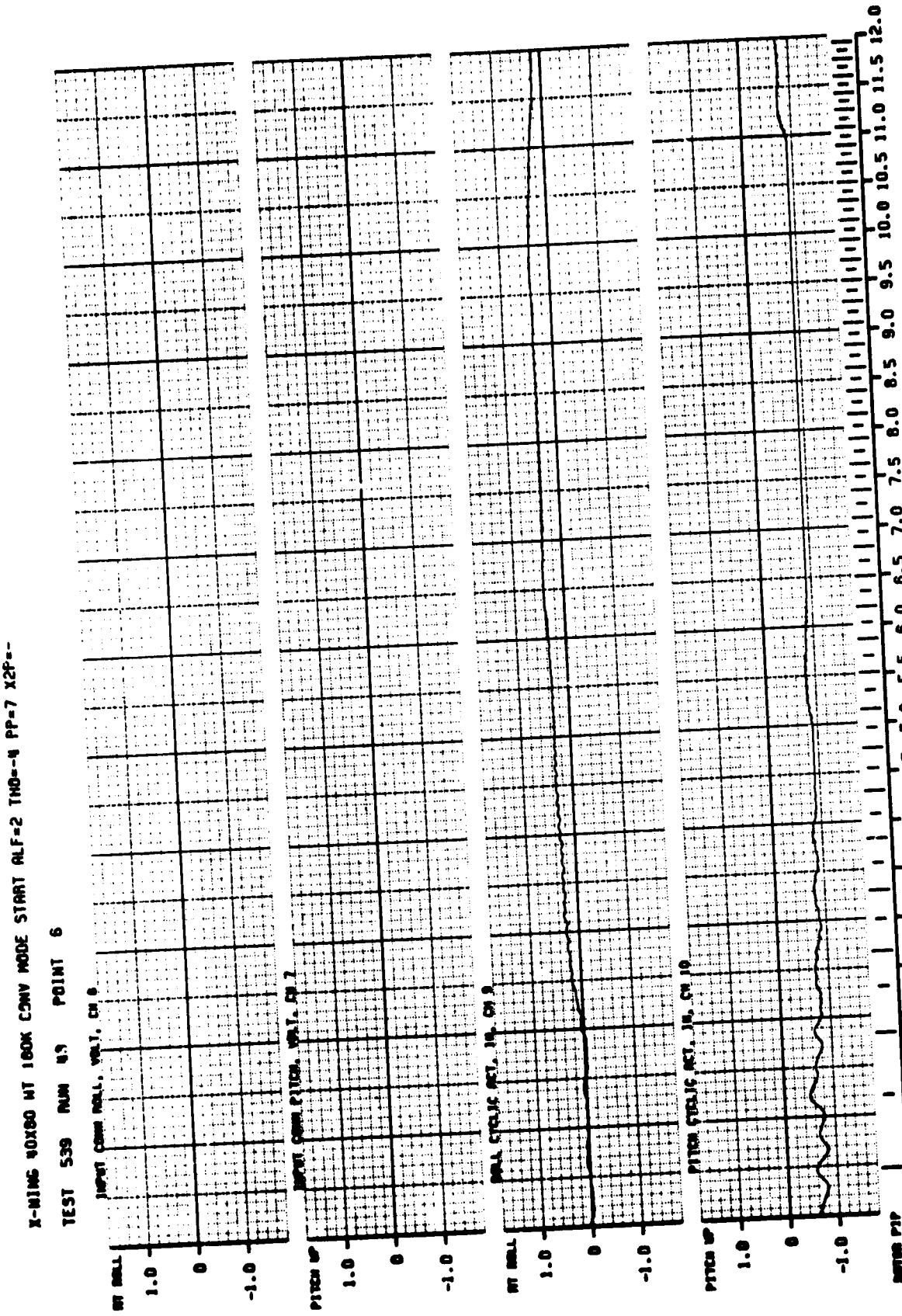


Figure 13.- Time history of run 43, data point 6, rotor transient from fixed-wing to rotary wing.



(b)

Figure 13.- Continued.



(c)

Figure 13.- Continued.

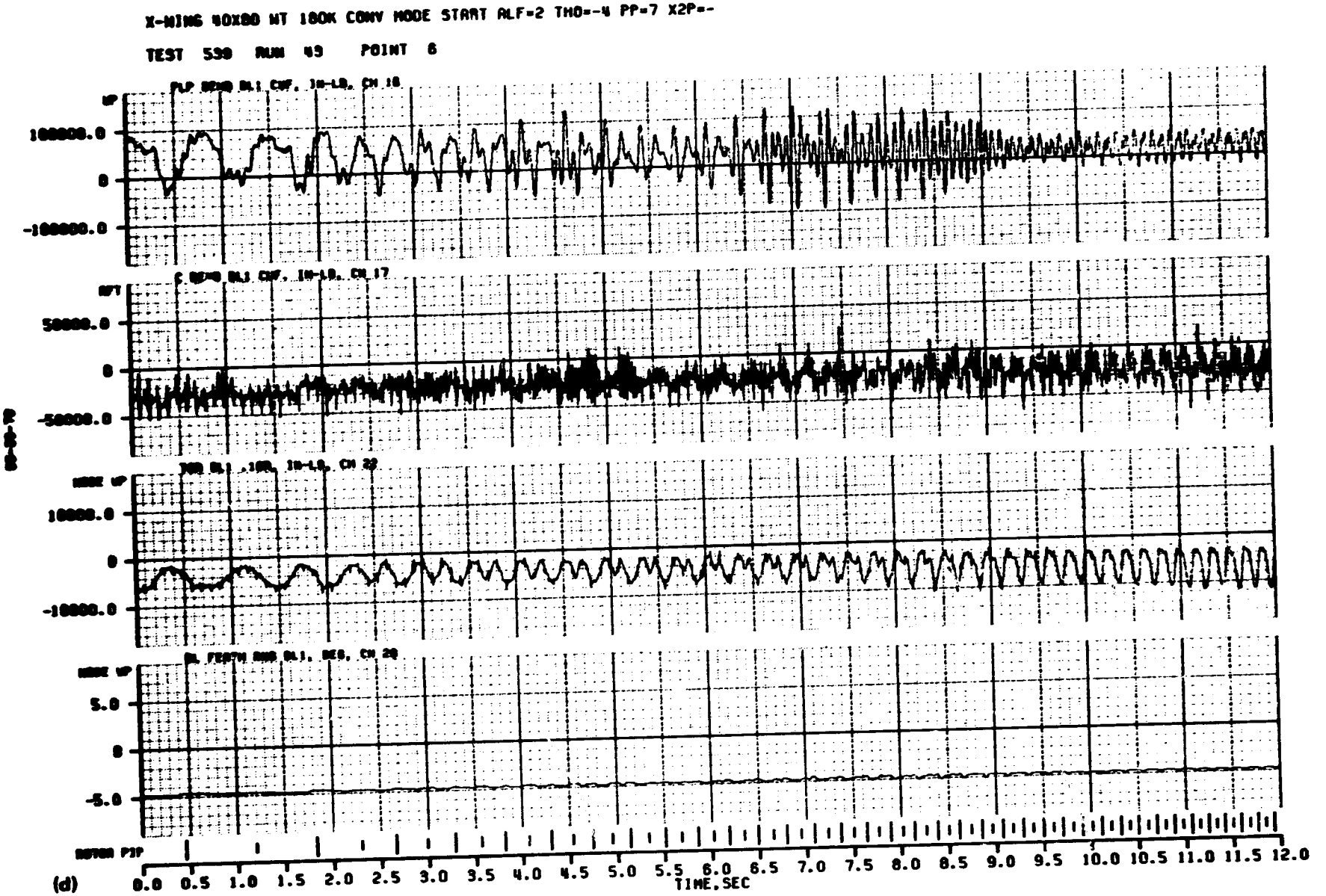
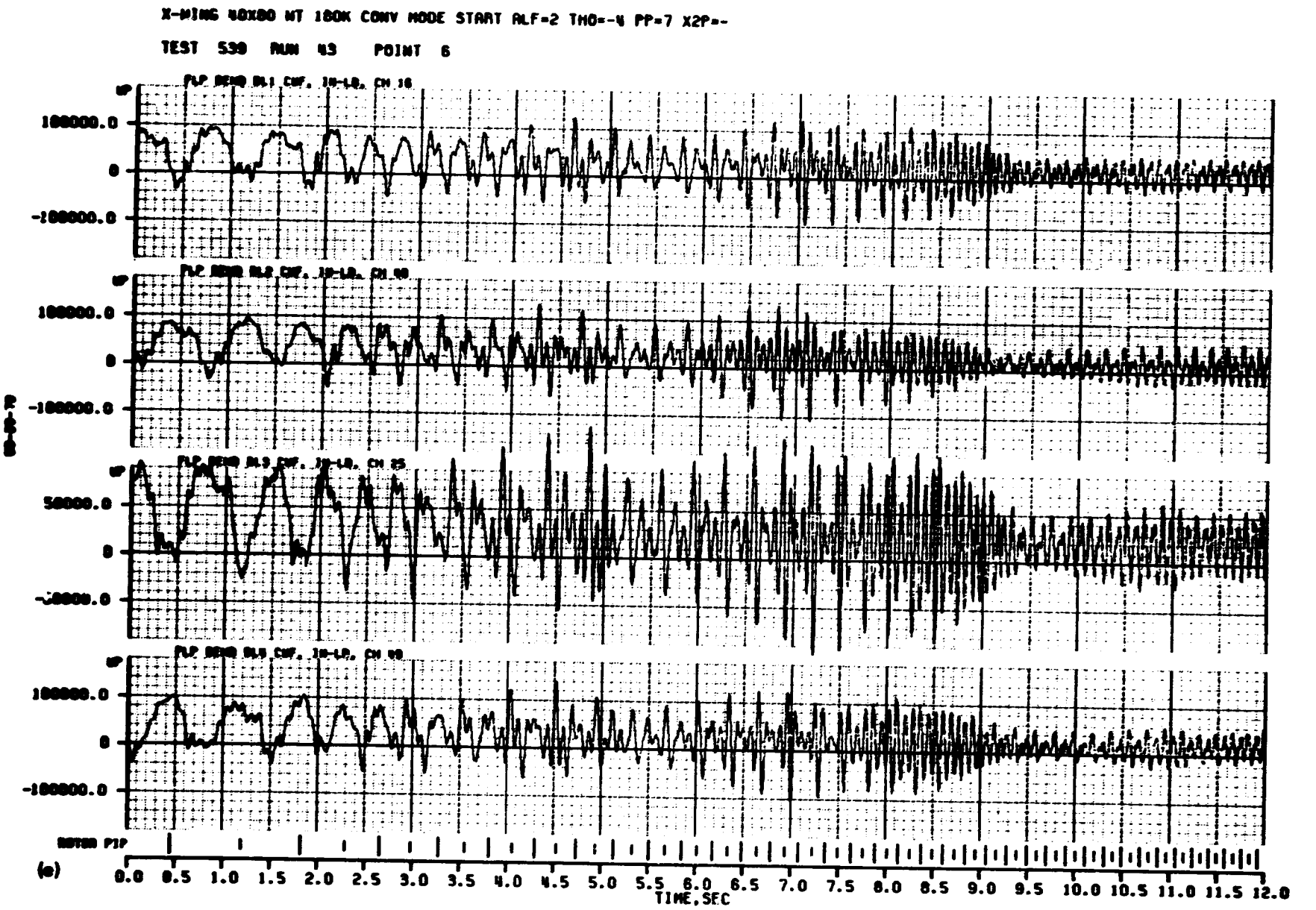


Figure 13.- Continued.



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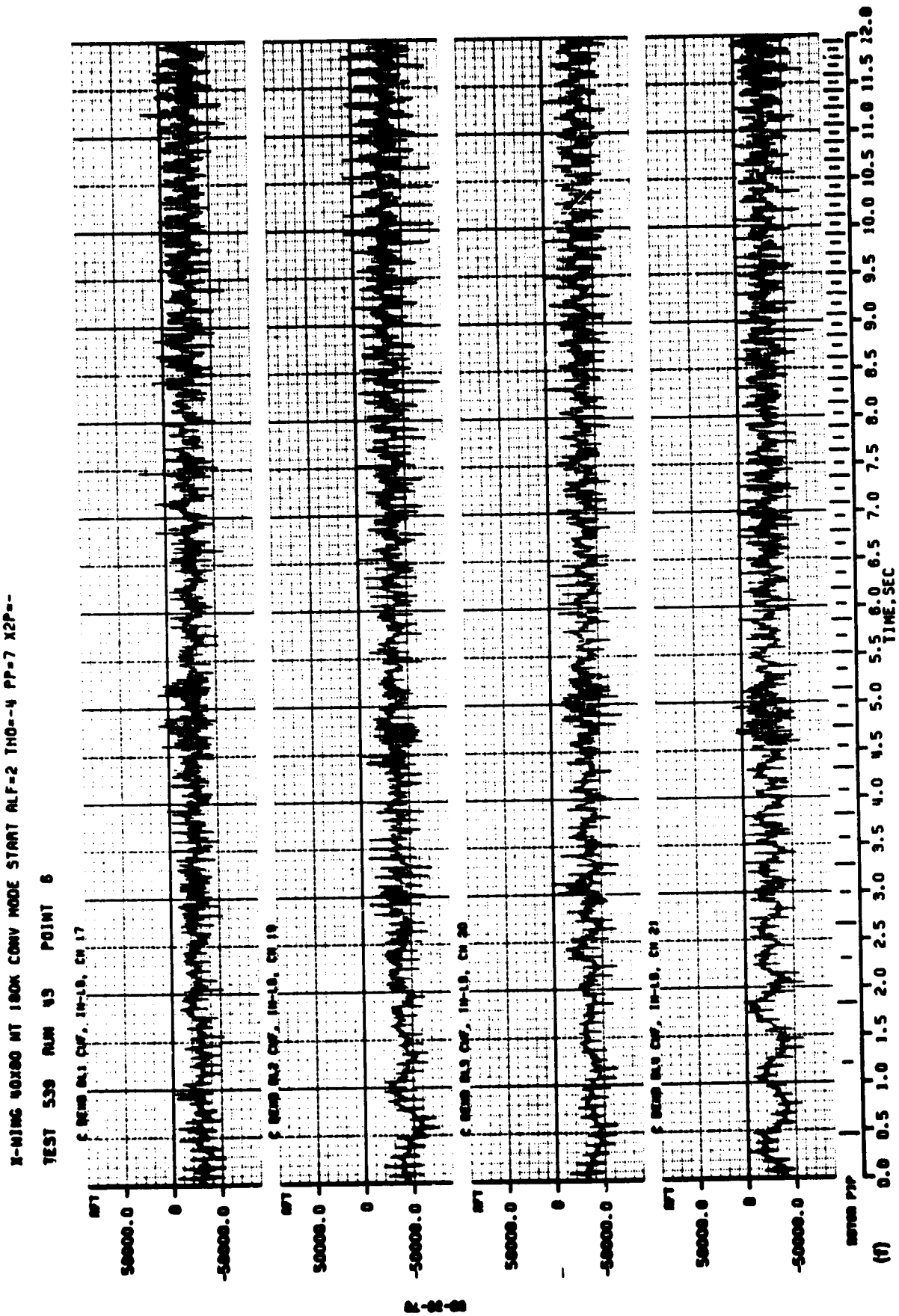

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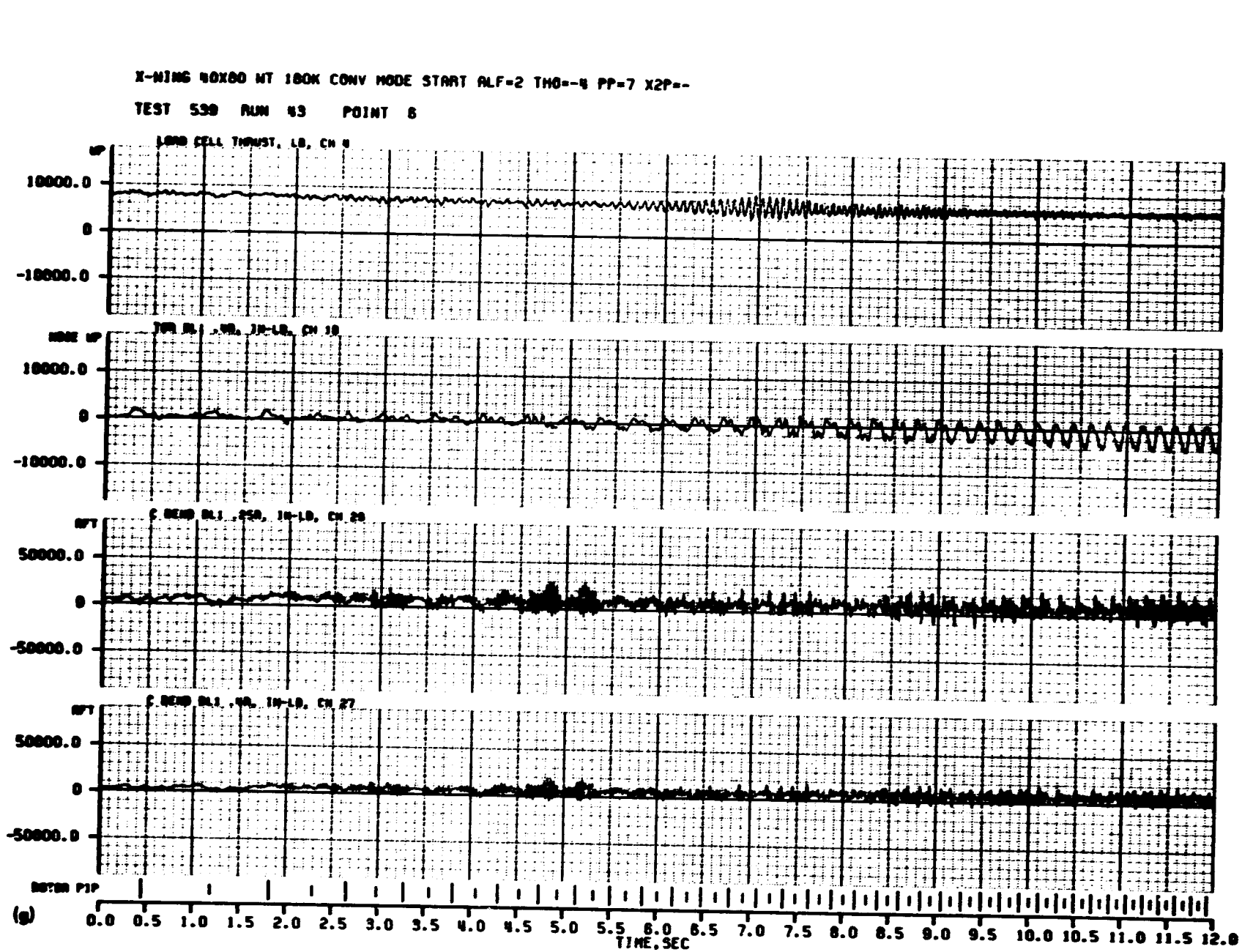

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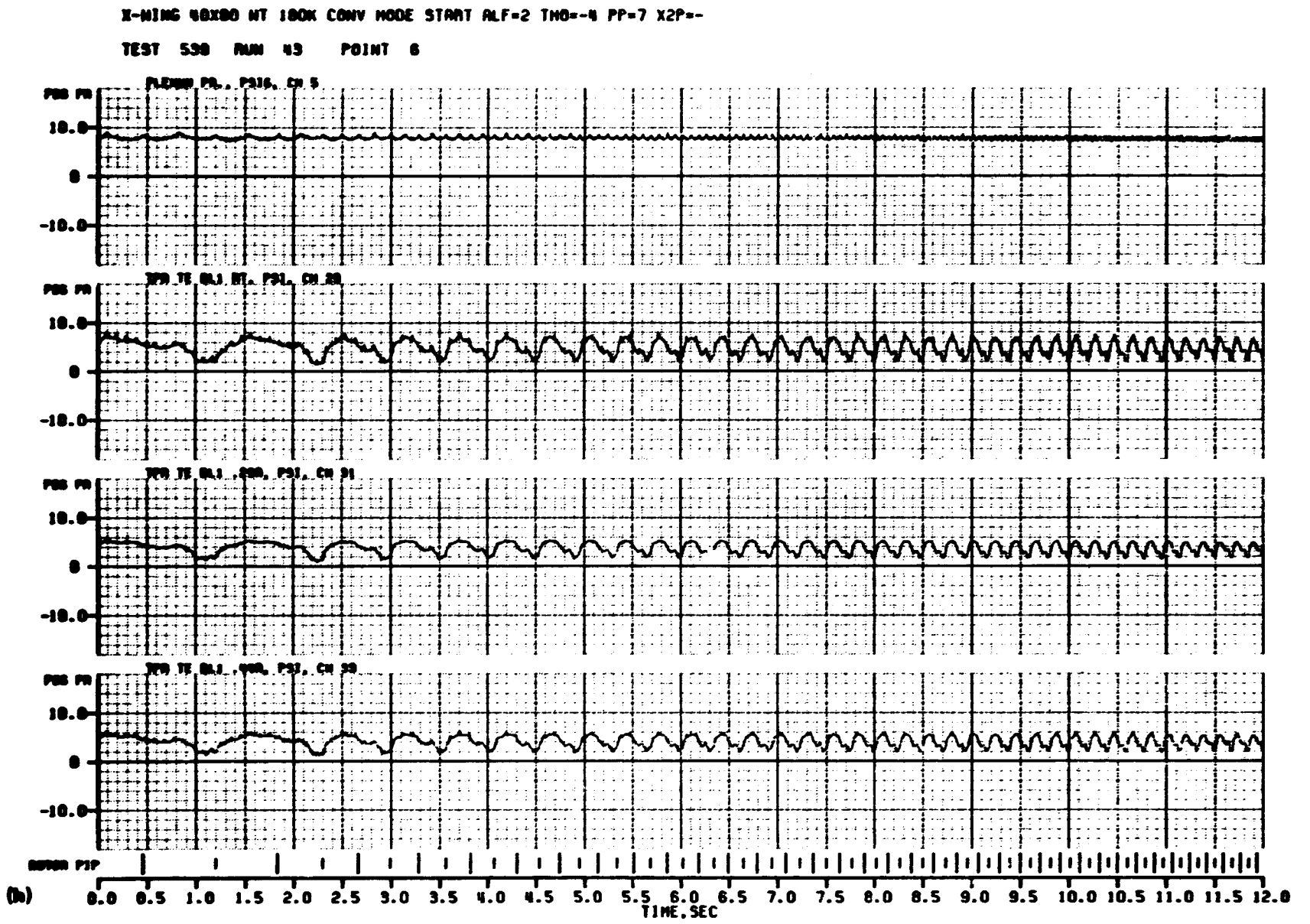
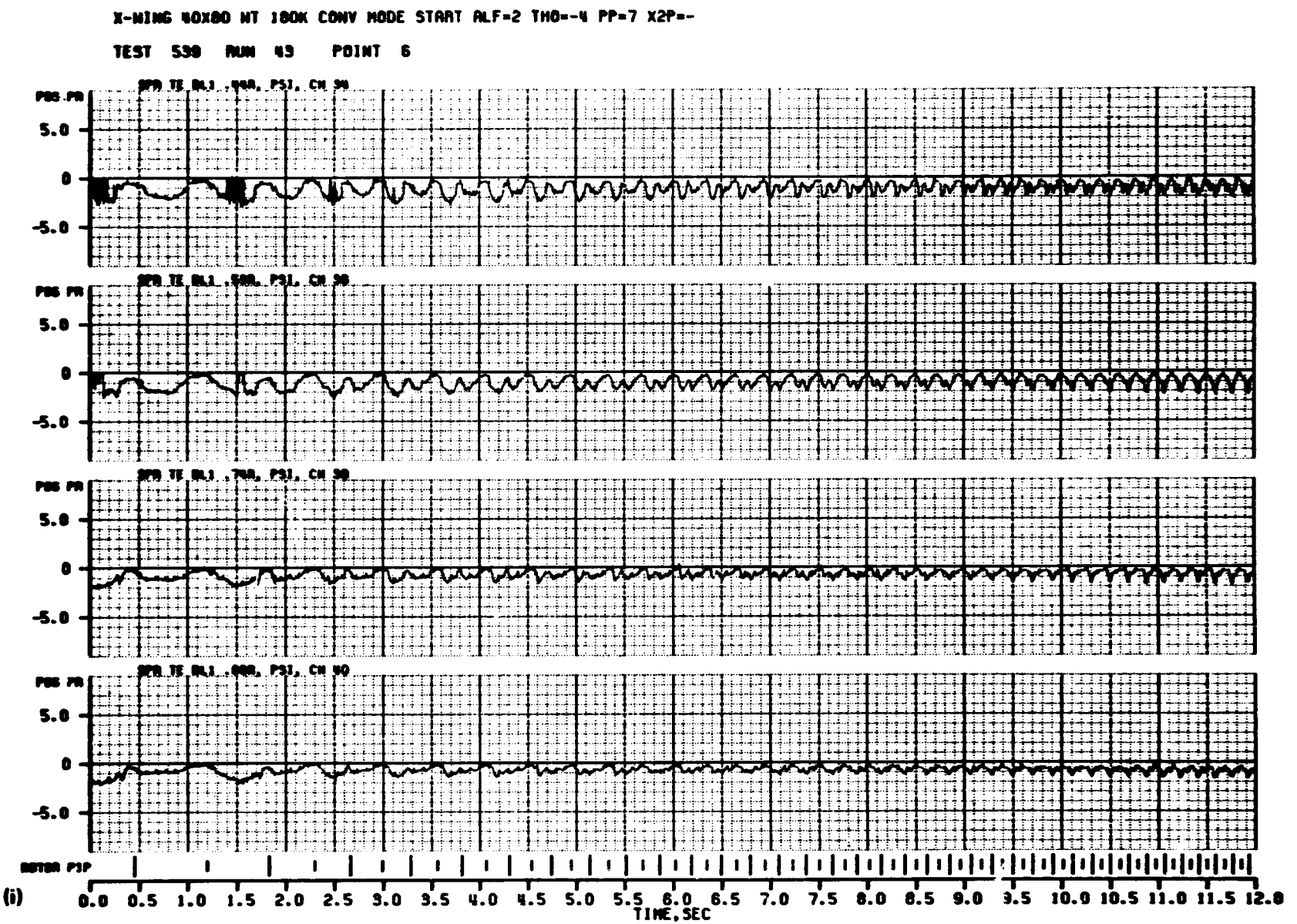


(h)

Figure 13.- Continued.



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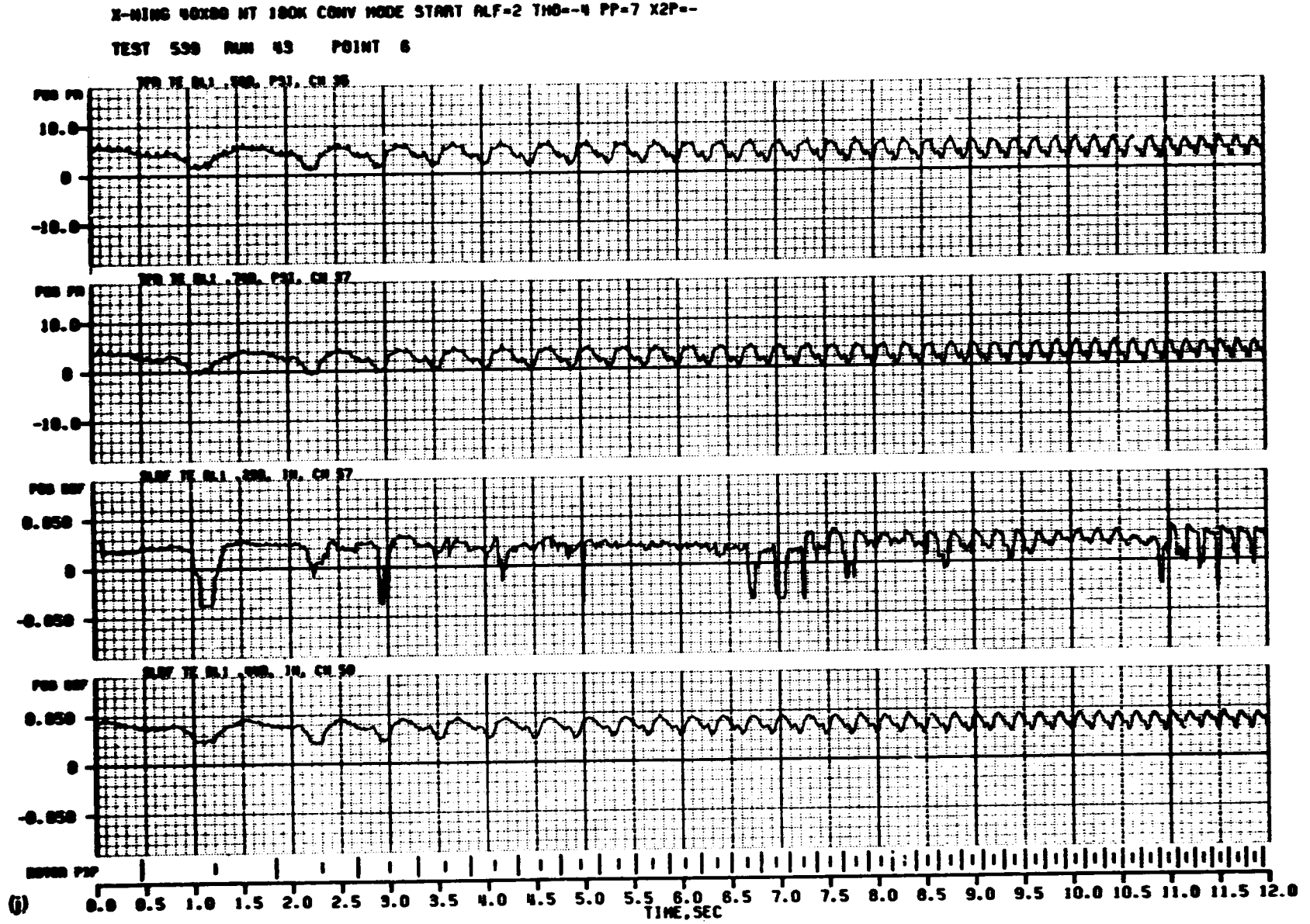
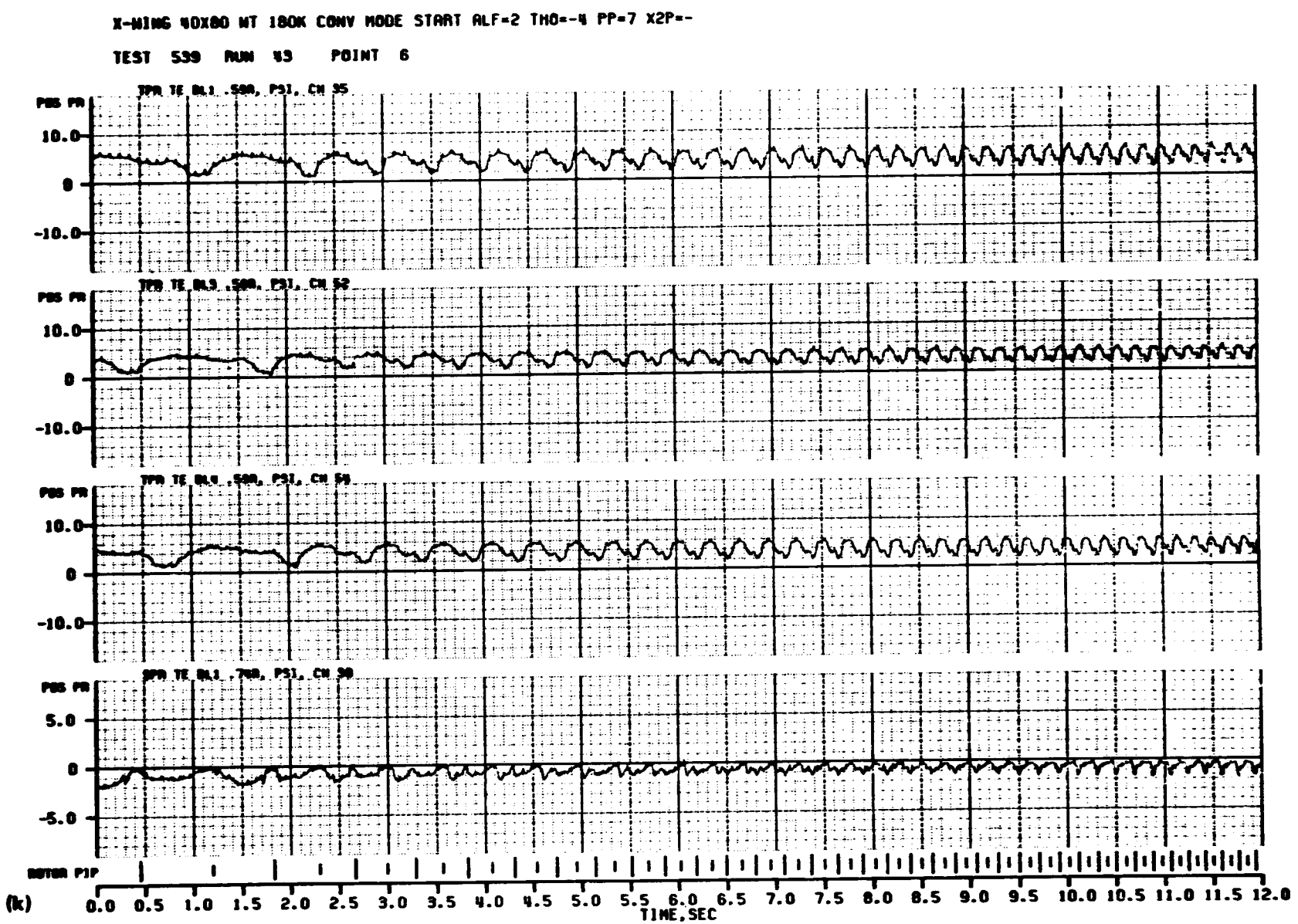


(j)

Figure 13.- Continued.



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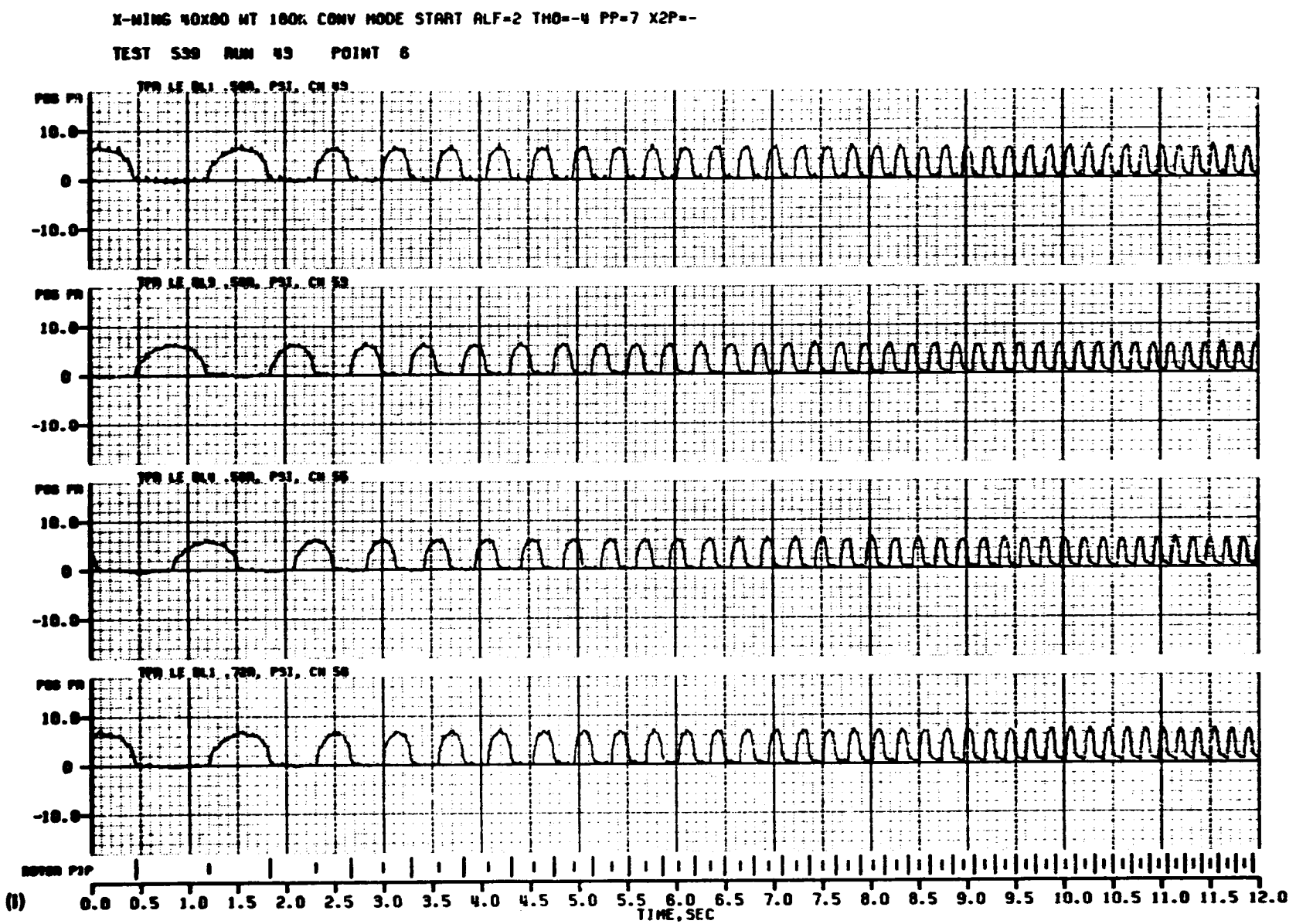
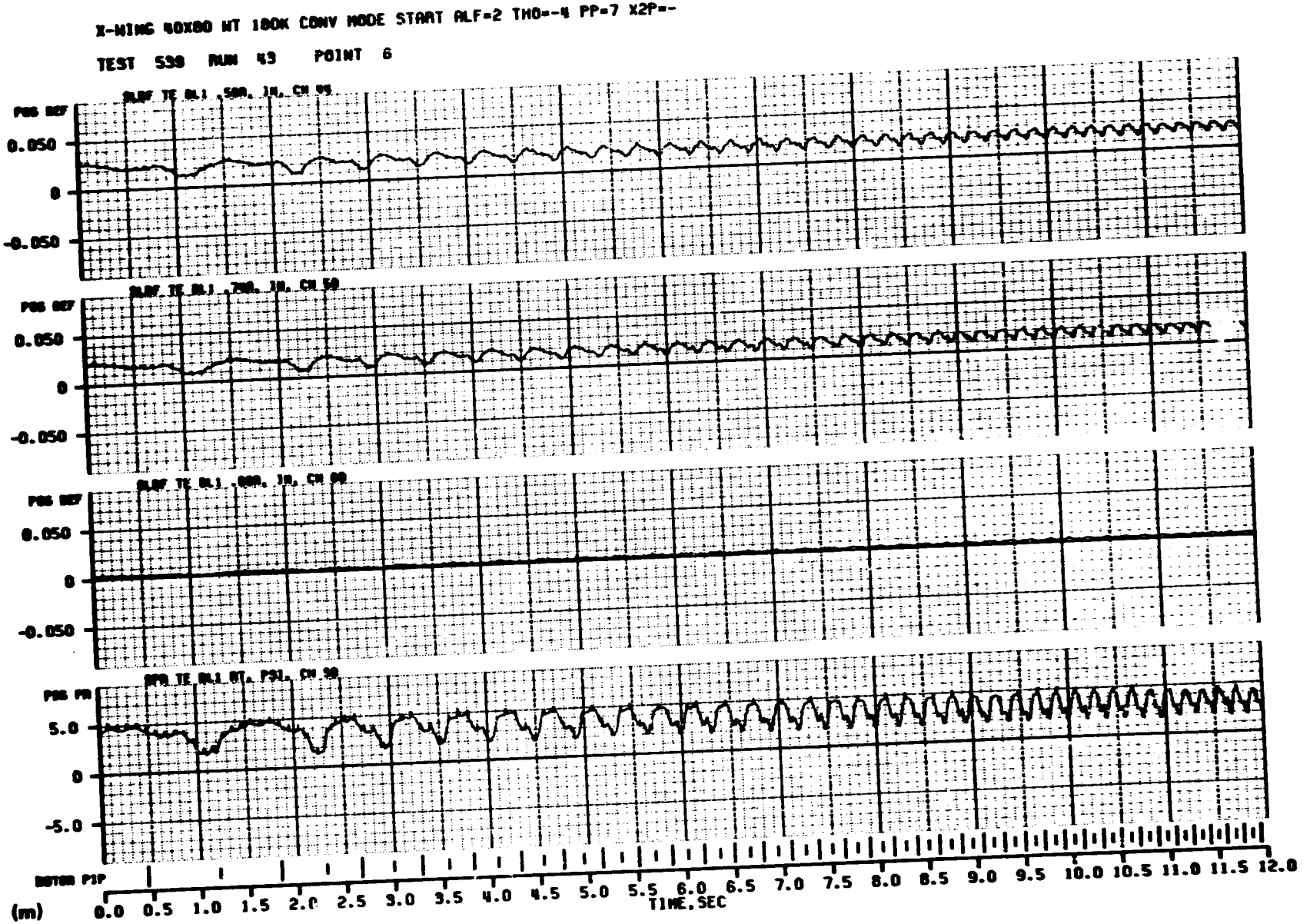


Figure 13.- Continued.



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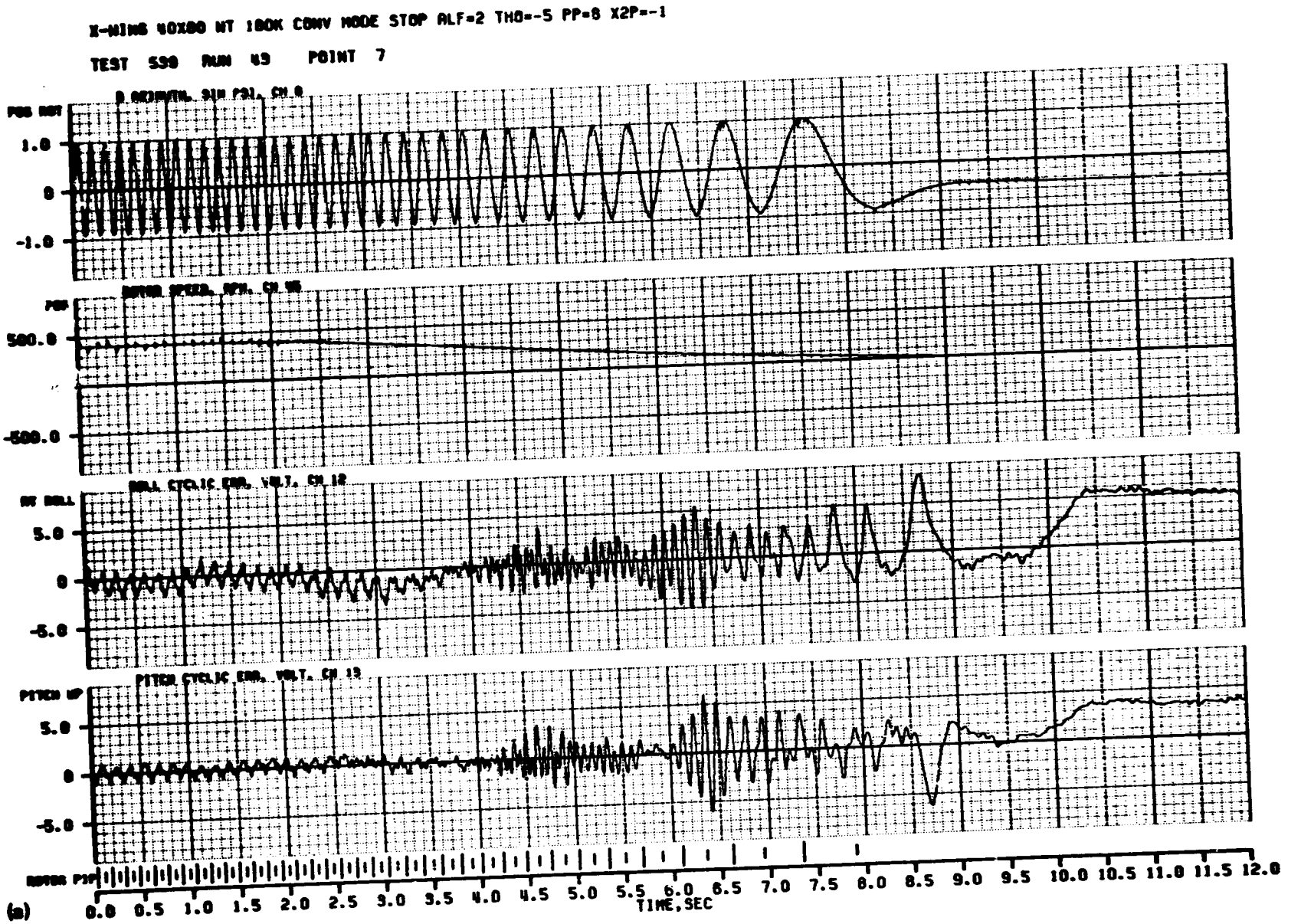
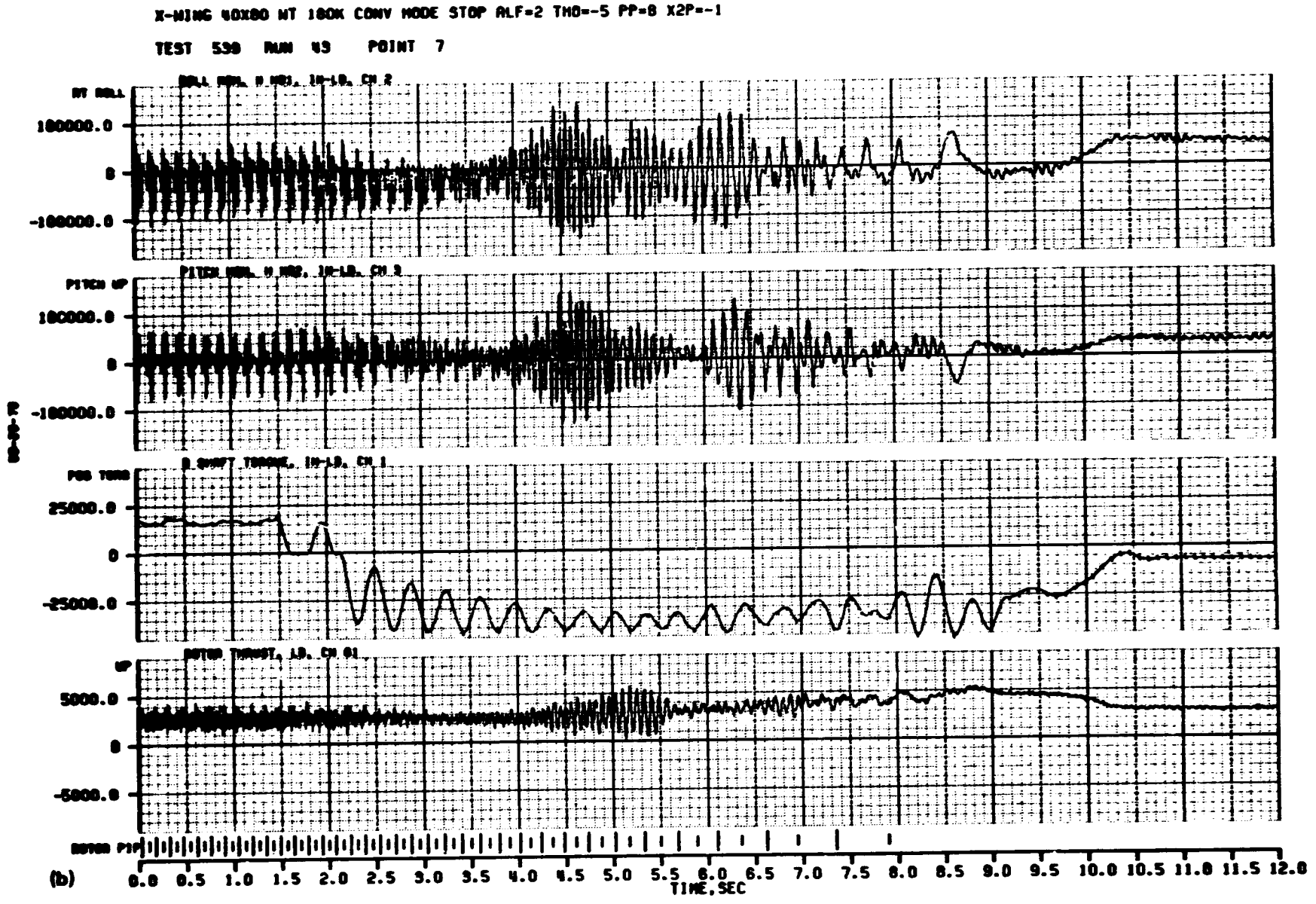


Figure 14.- Time history of run 43, data point 7, rotor transient from rotary-wing to fixed-wing.



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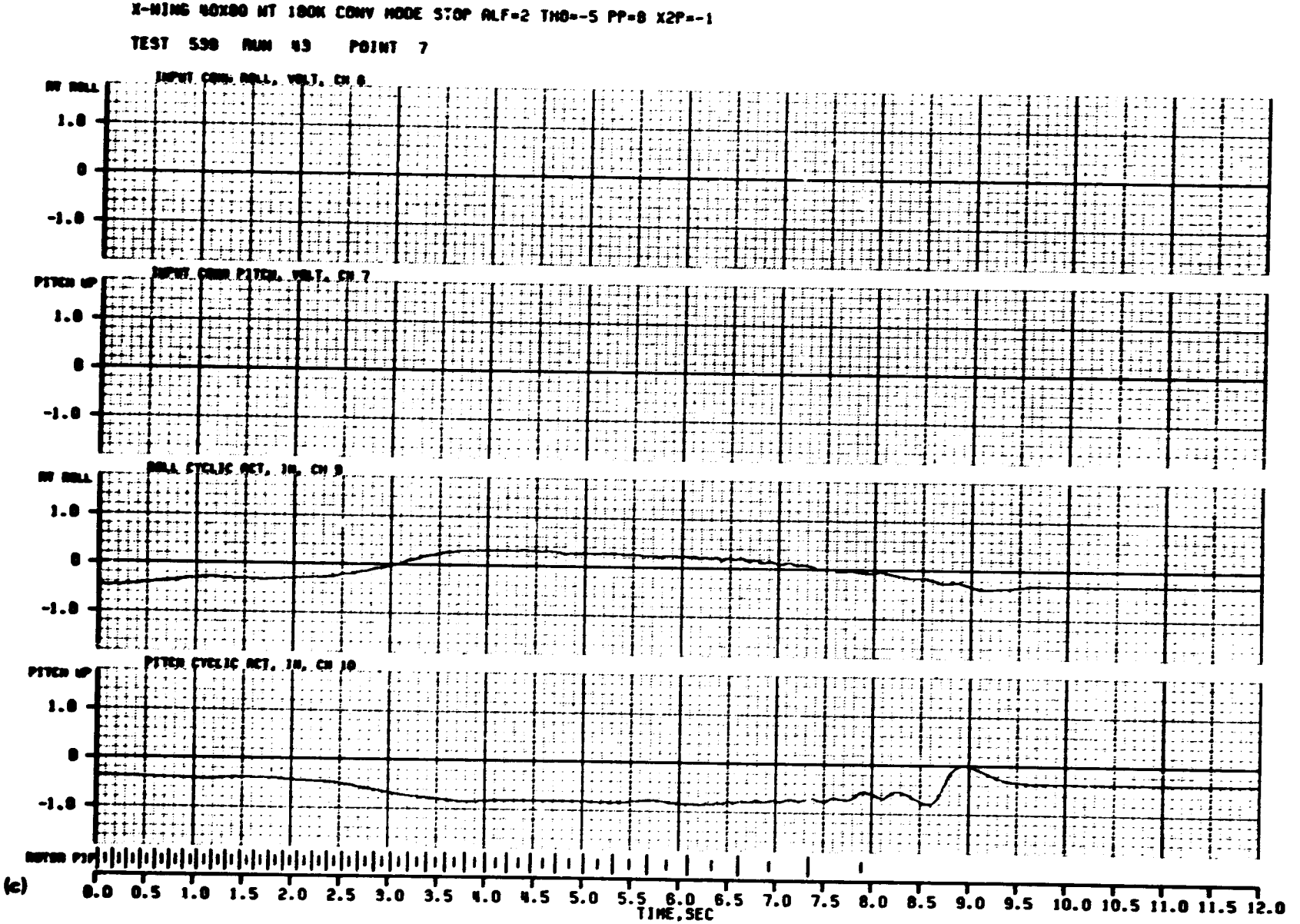

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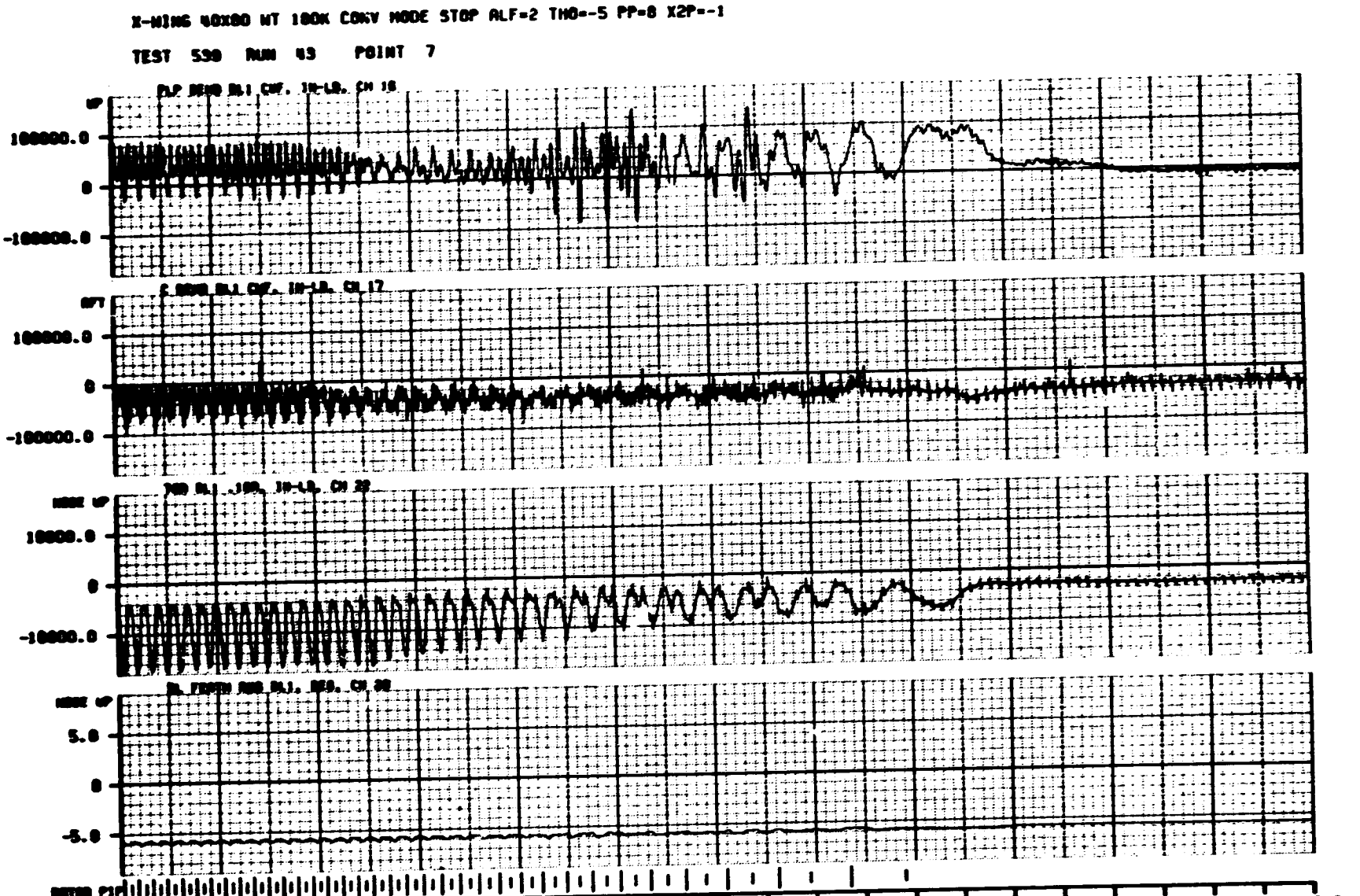

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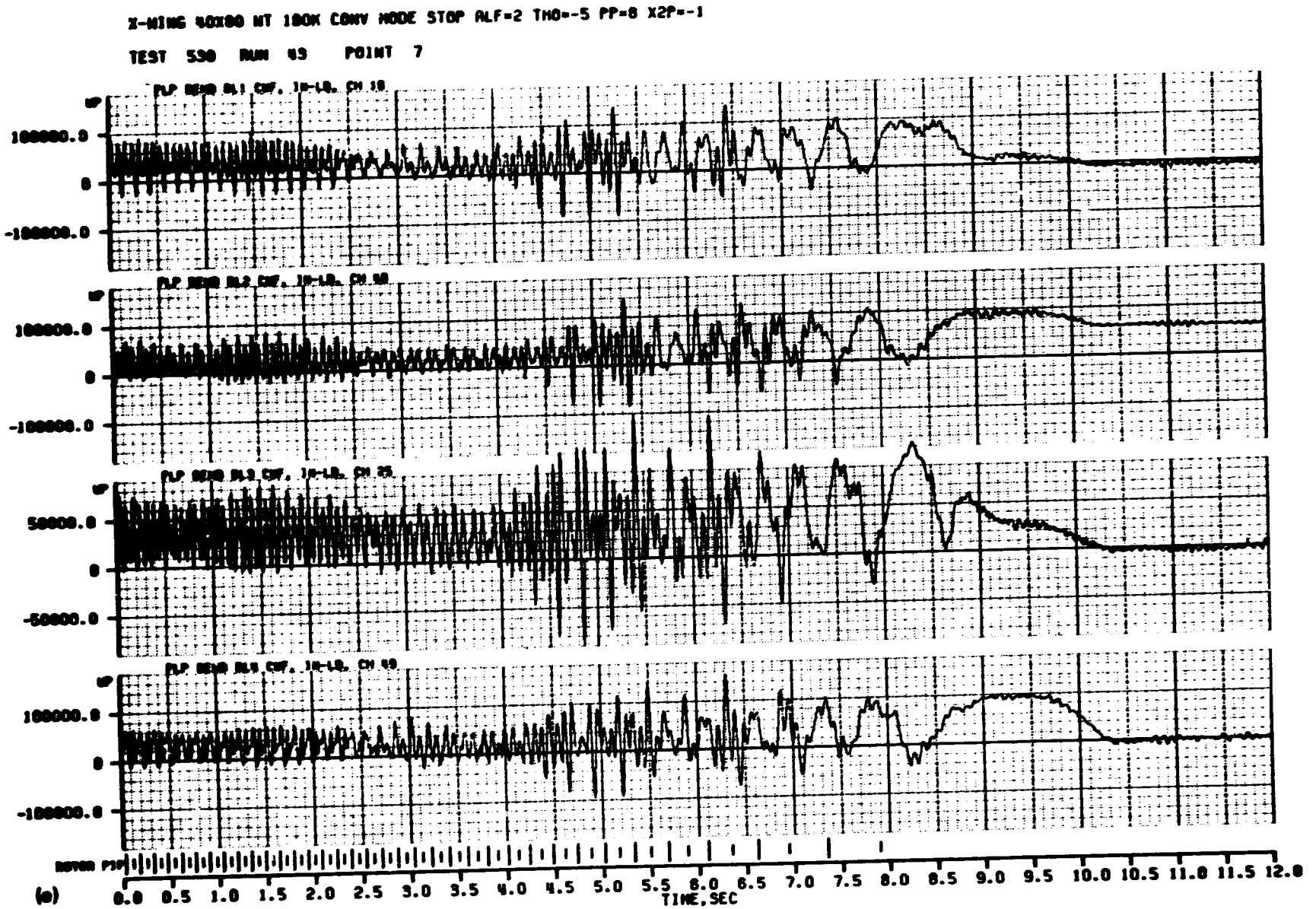

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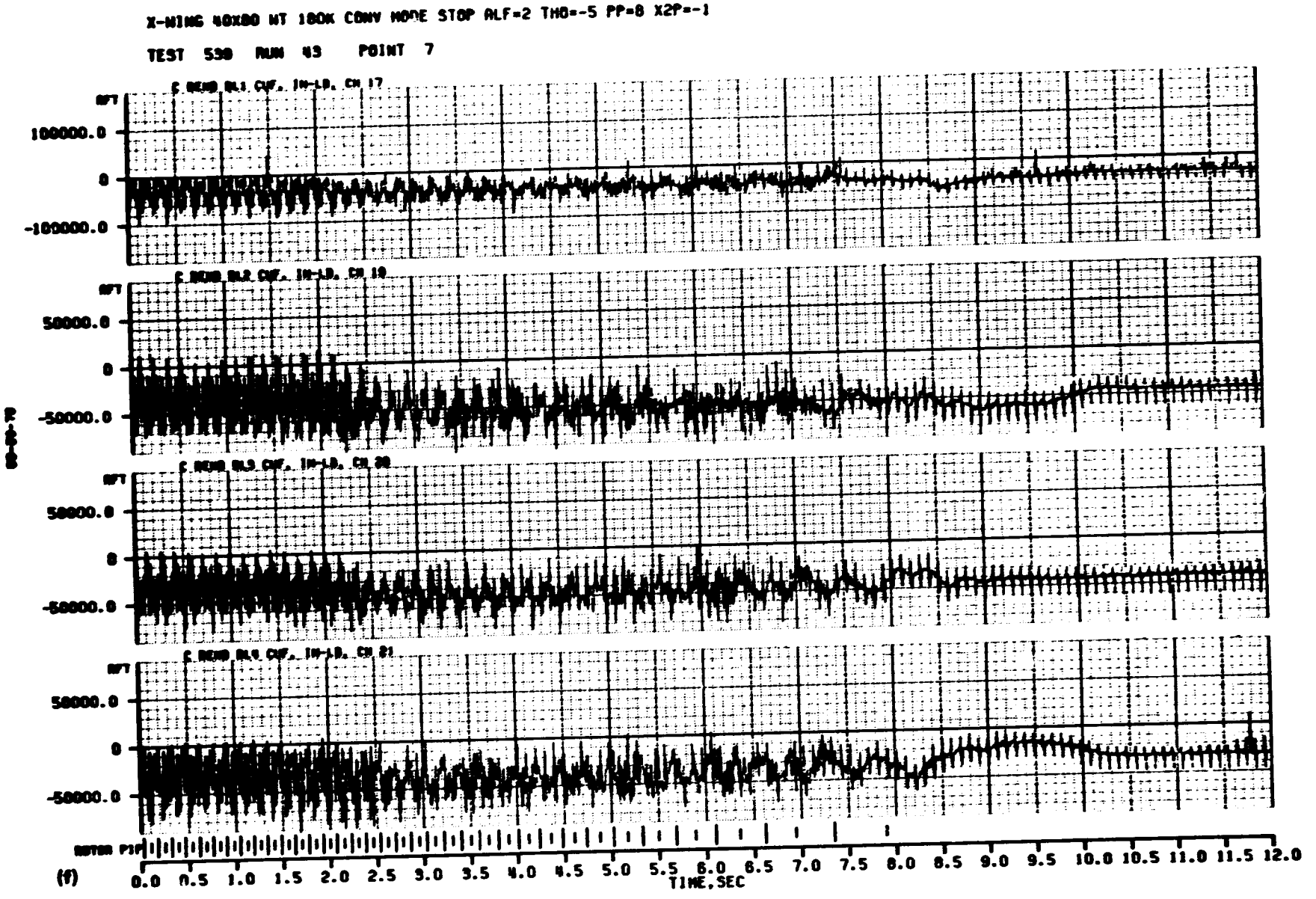
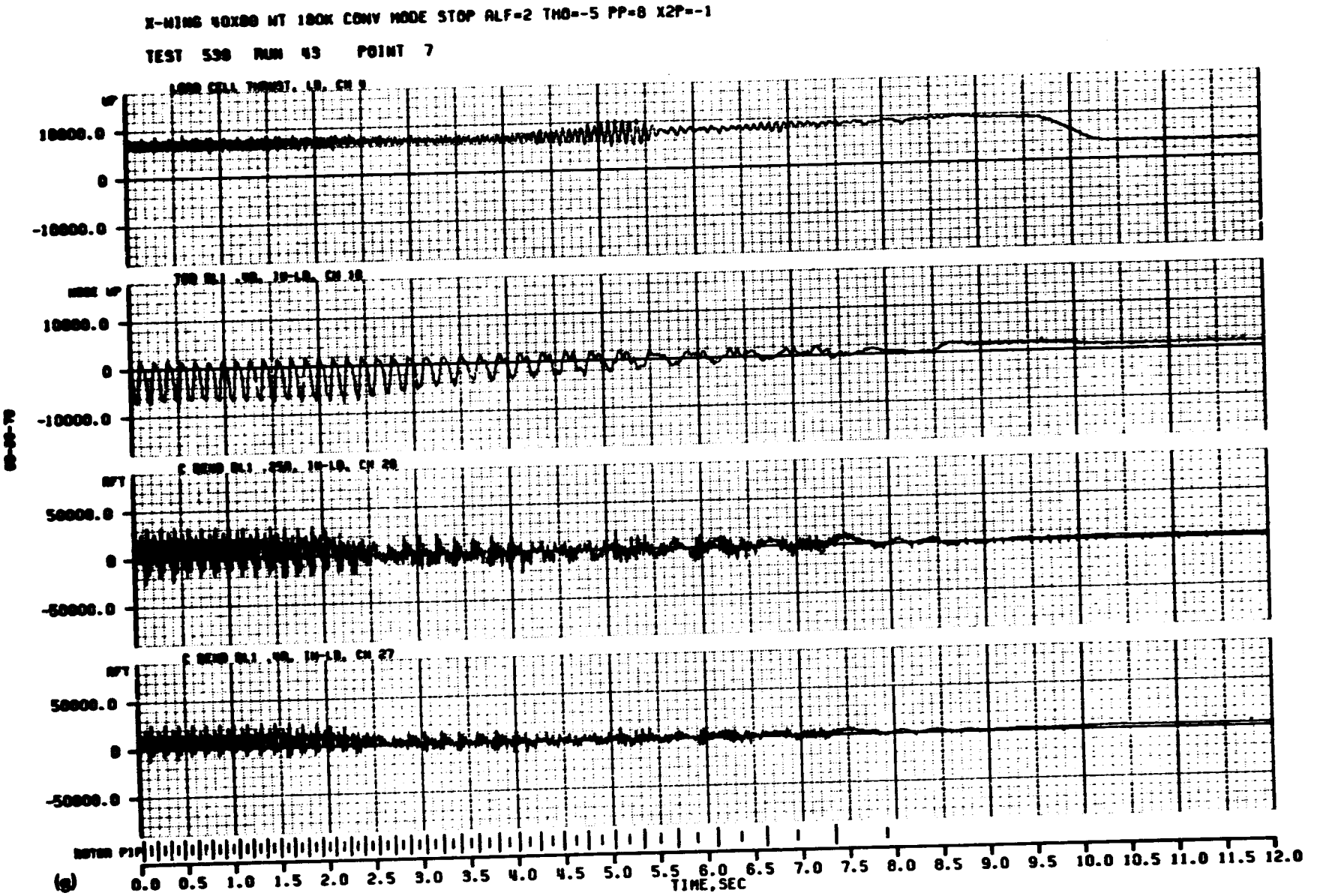


Figure 14.- Continued.



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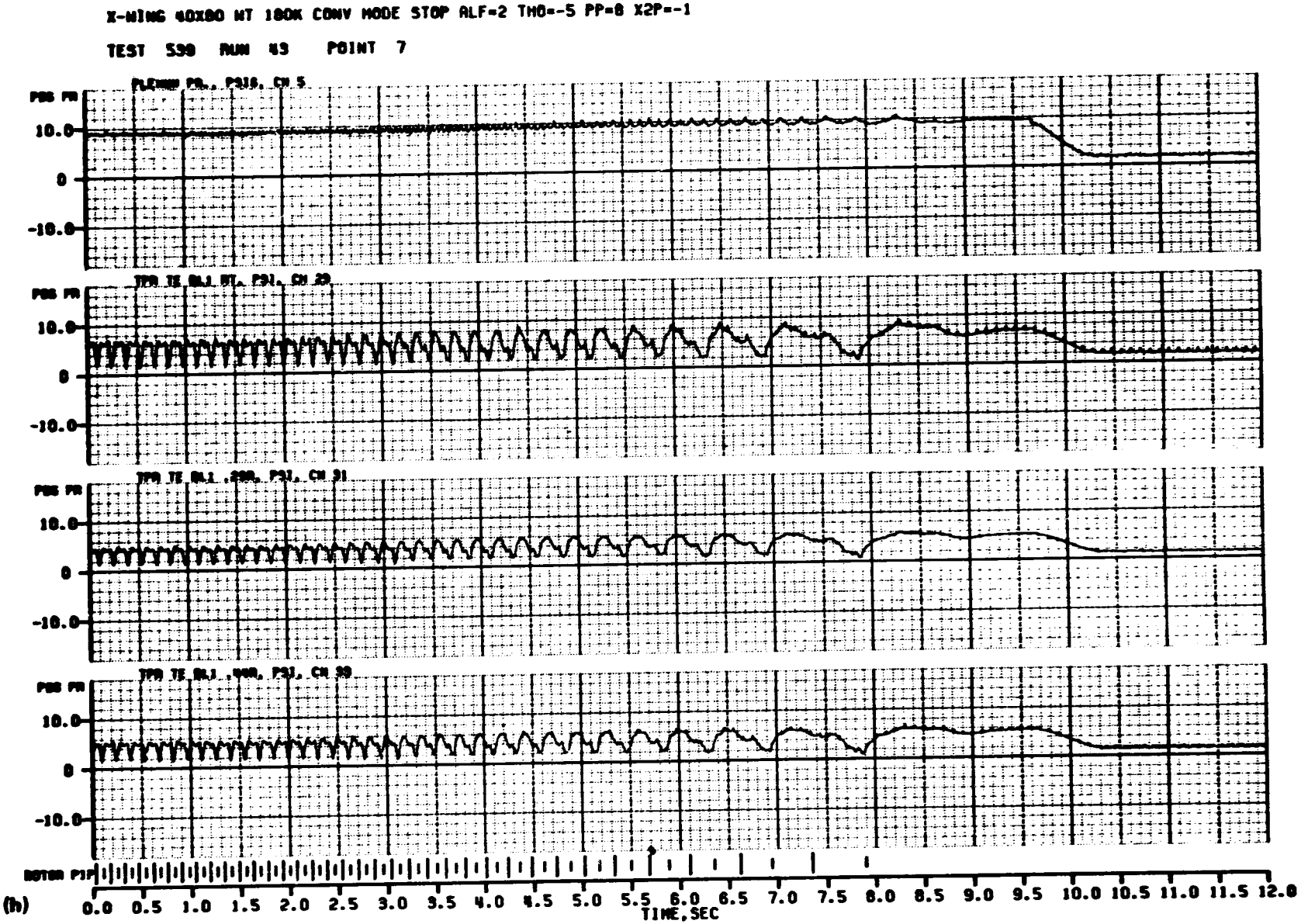
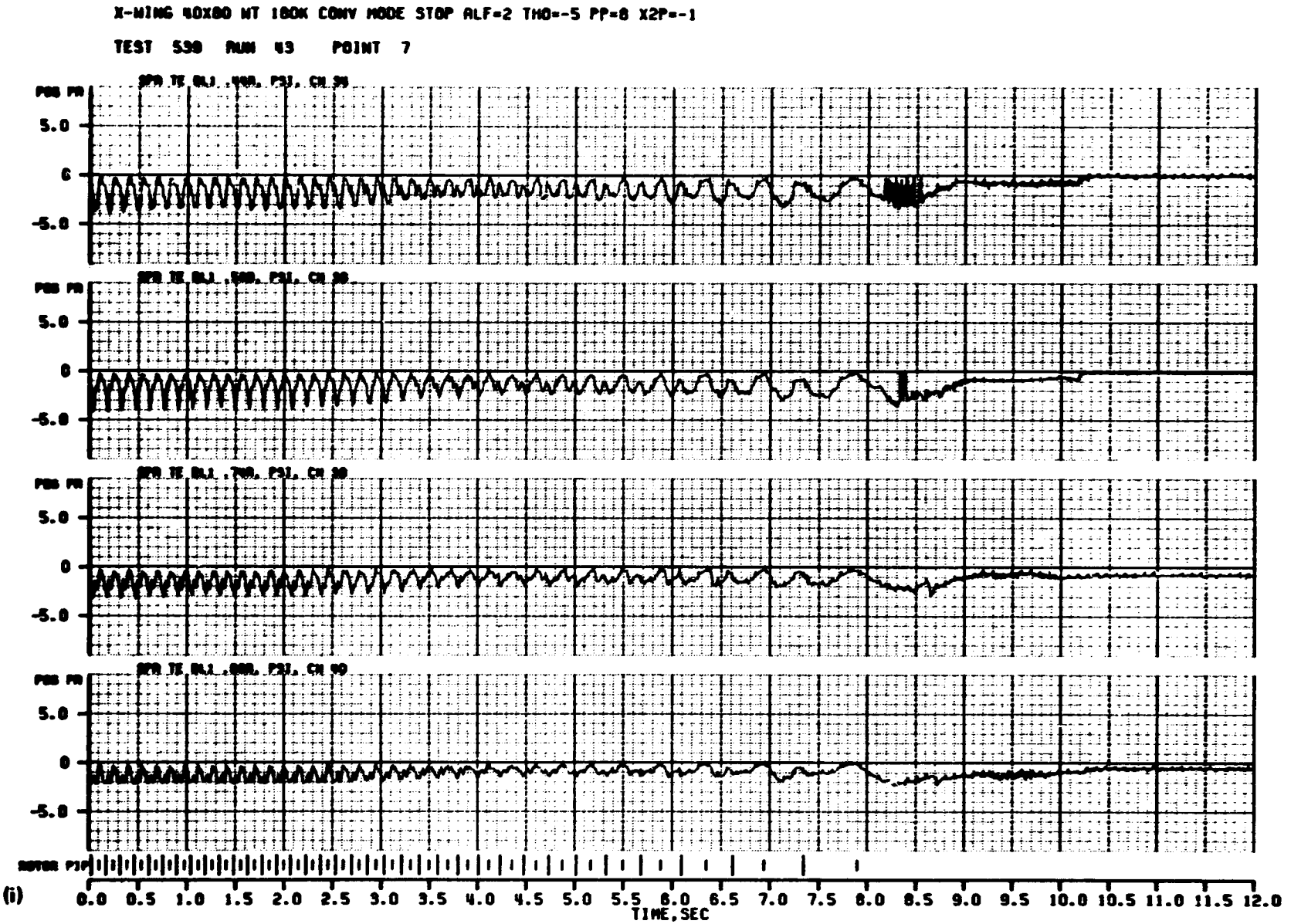


(h)

Figure 14.- Continued.



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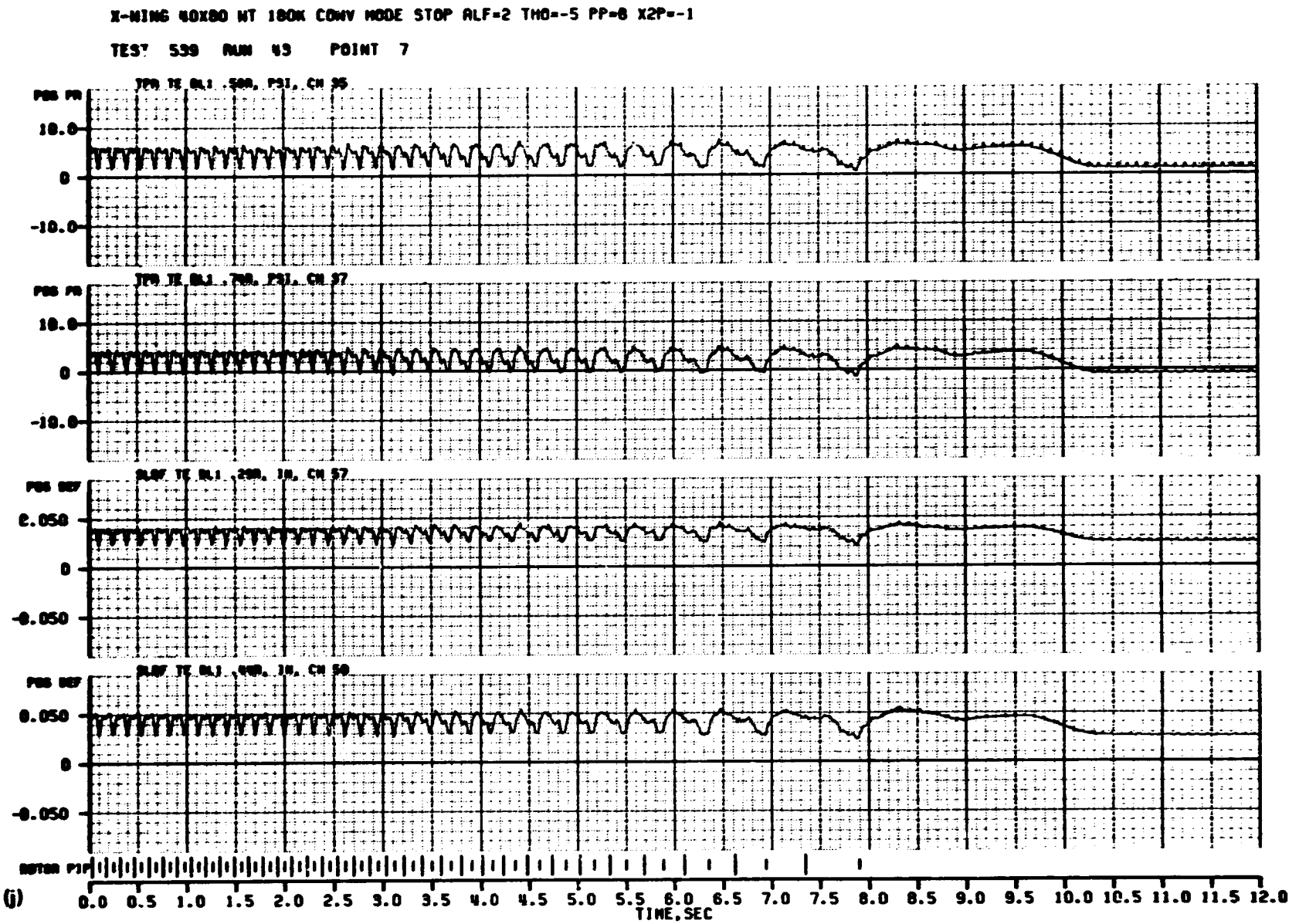

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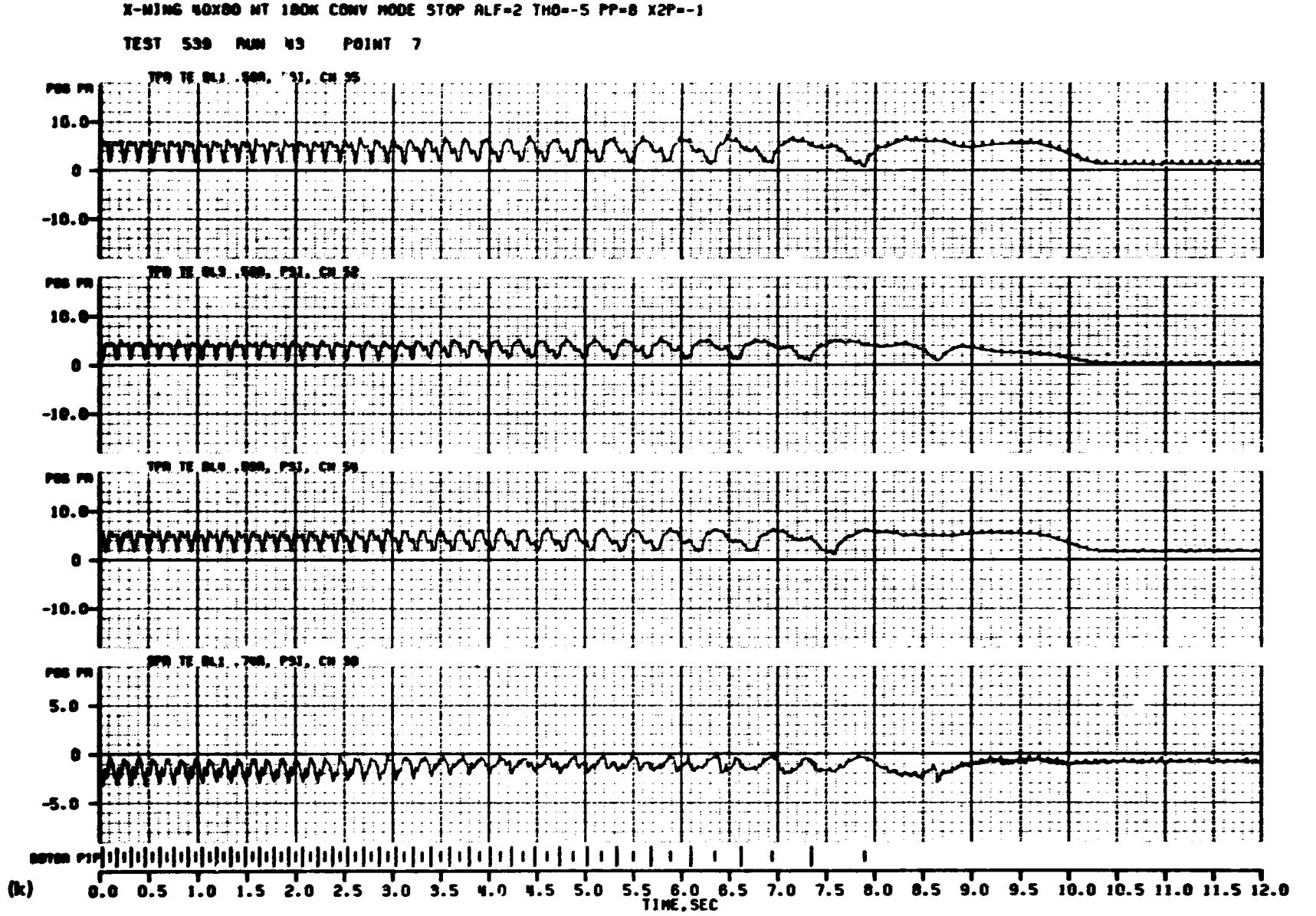

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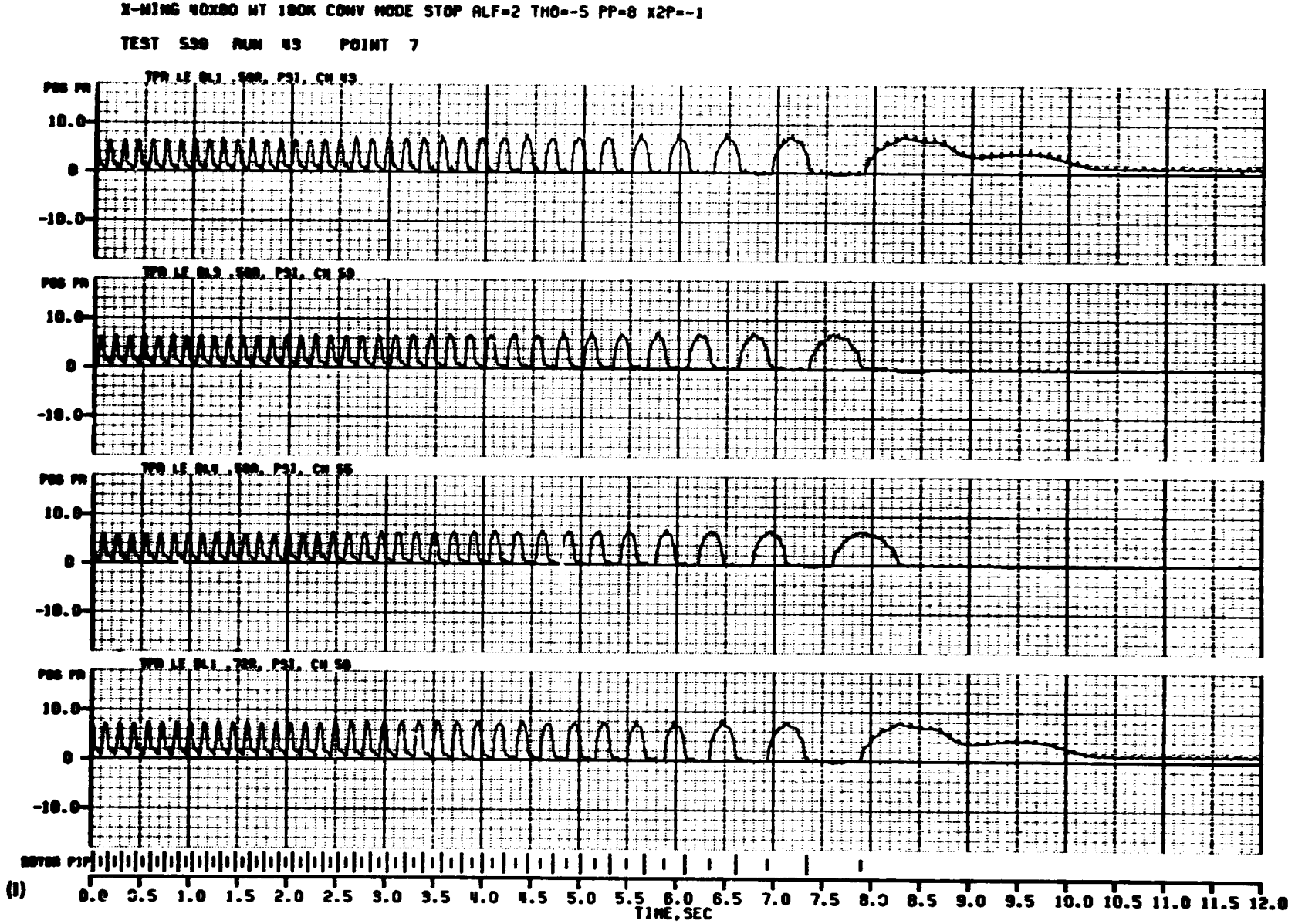

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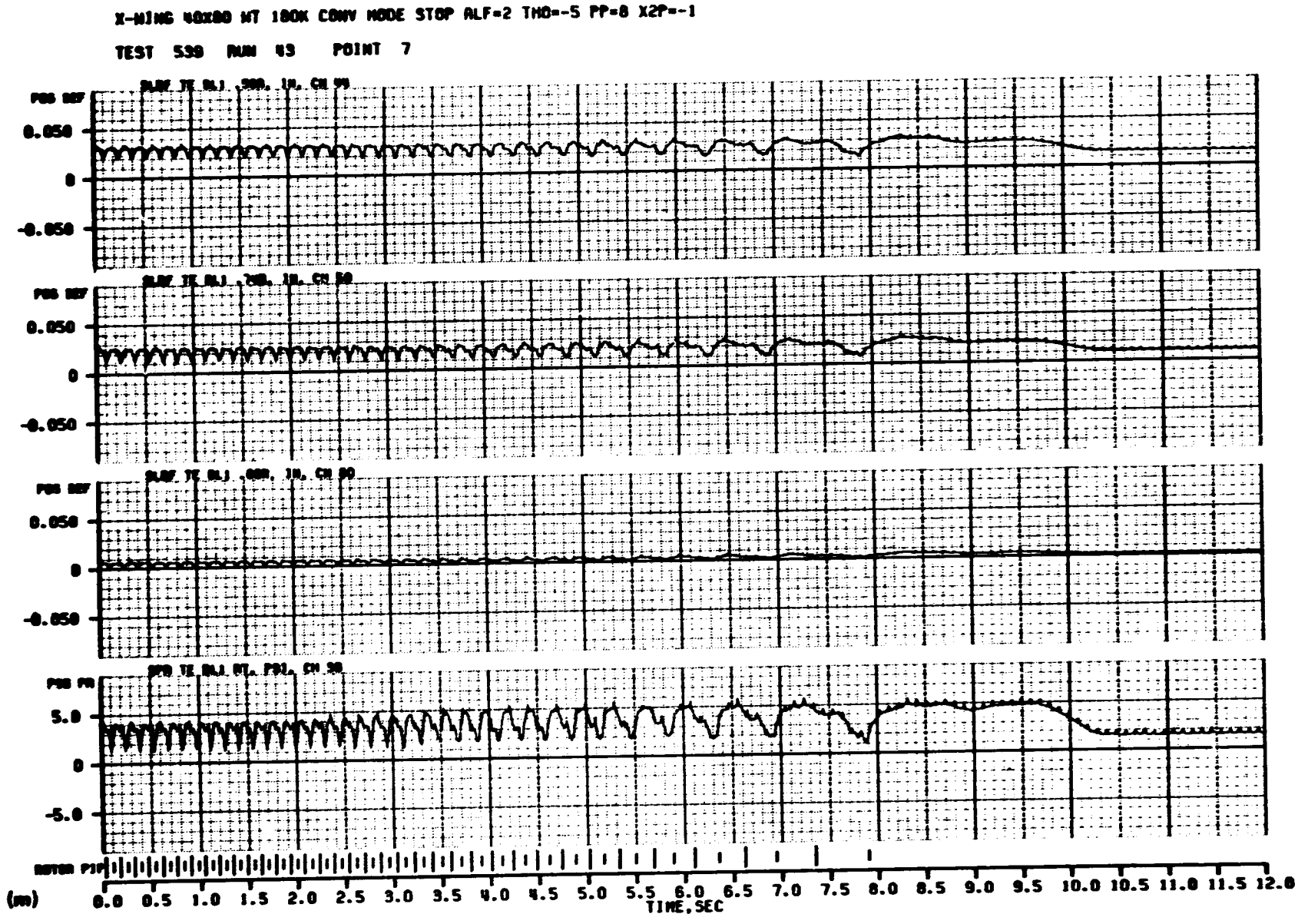

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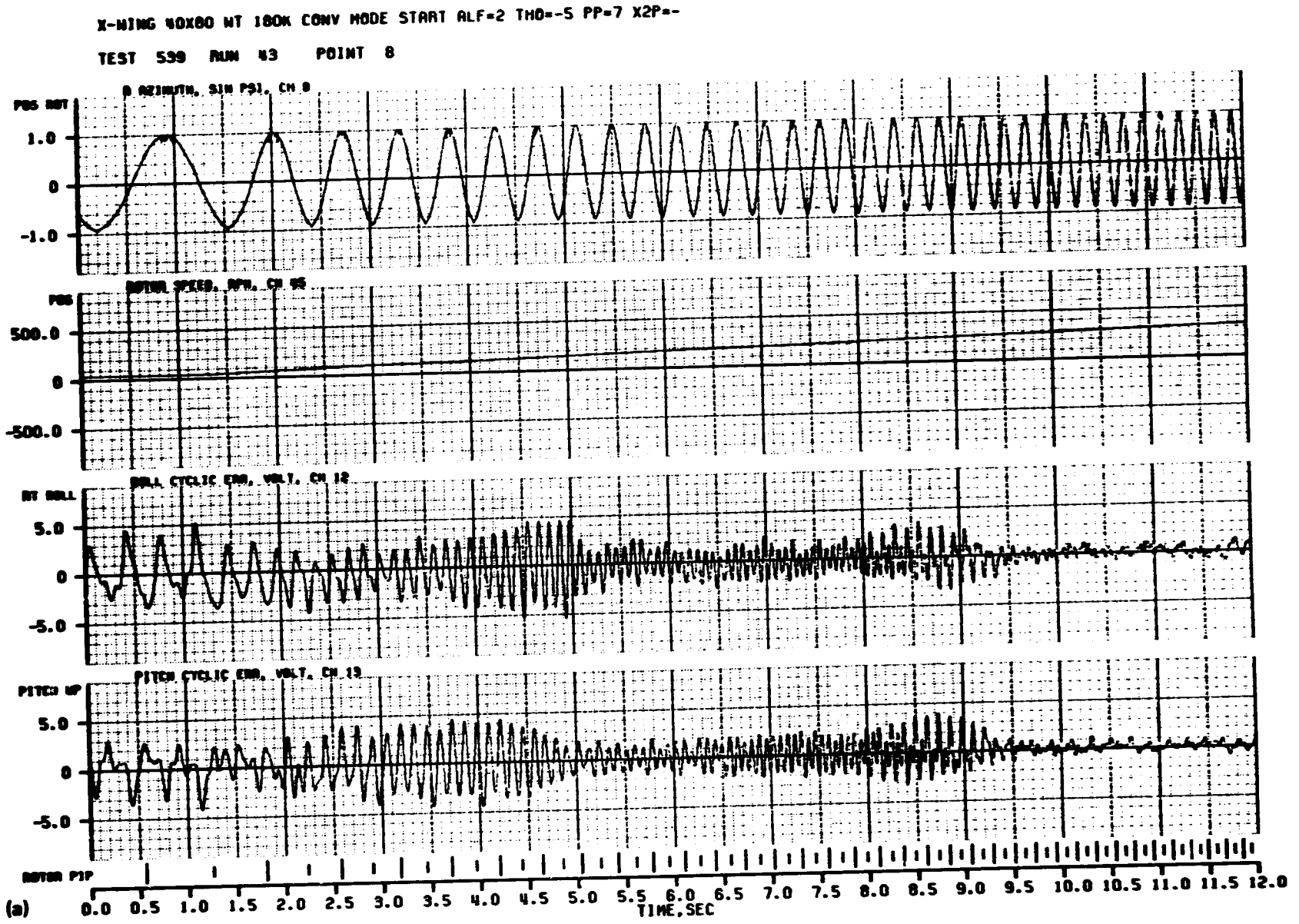


Figure 15.- Time history of run 43, data point 8, rotor transient from fixed-wing to rotary-wing.

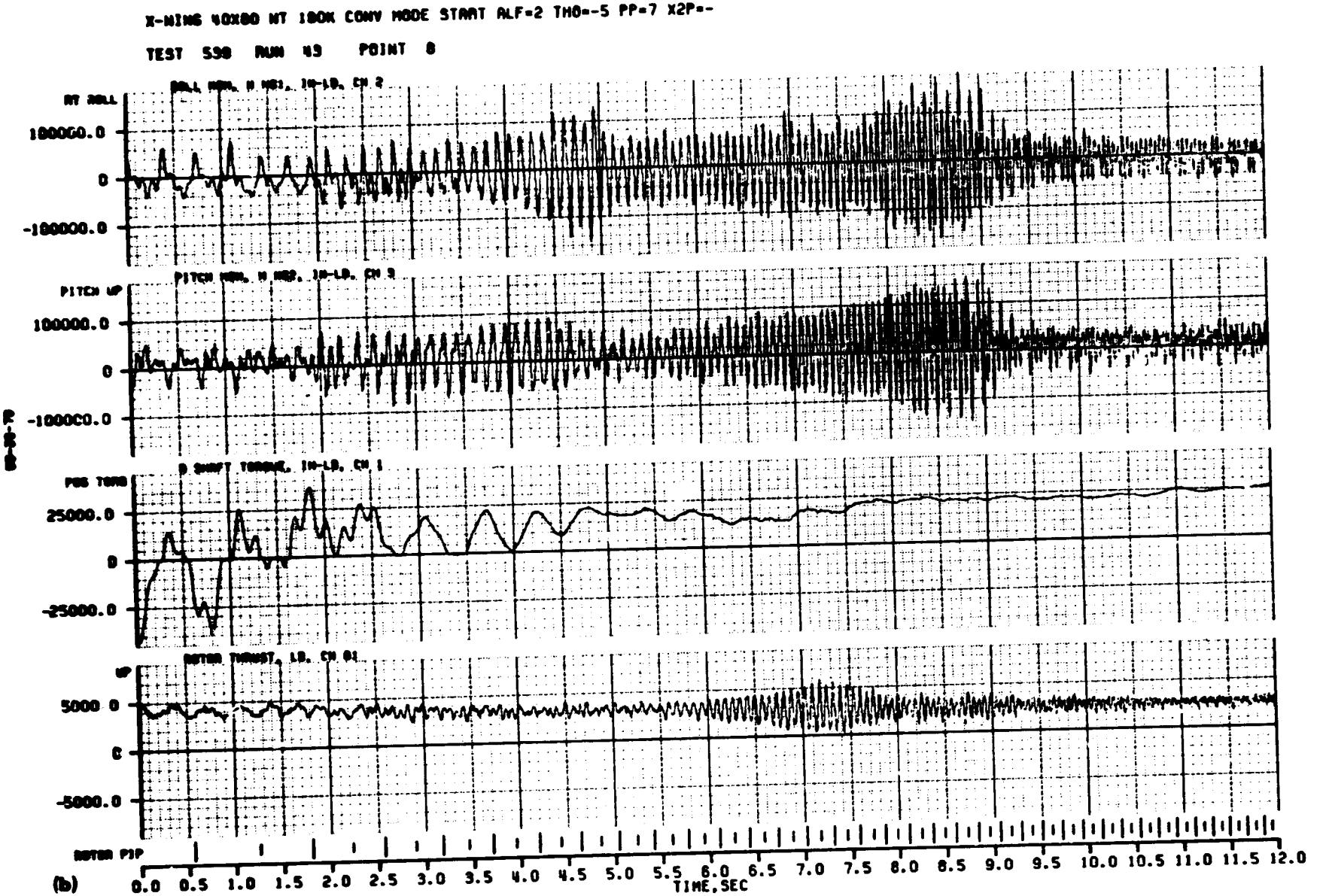
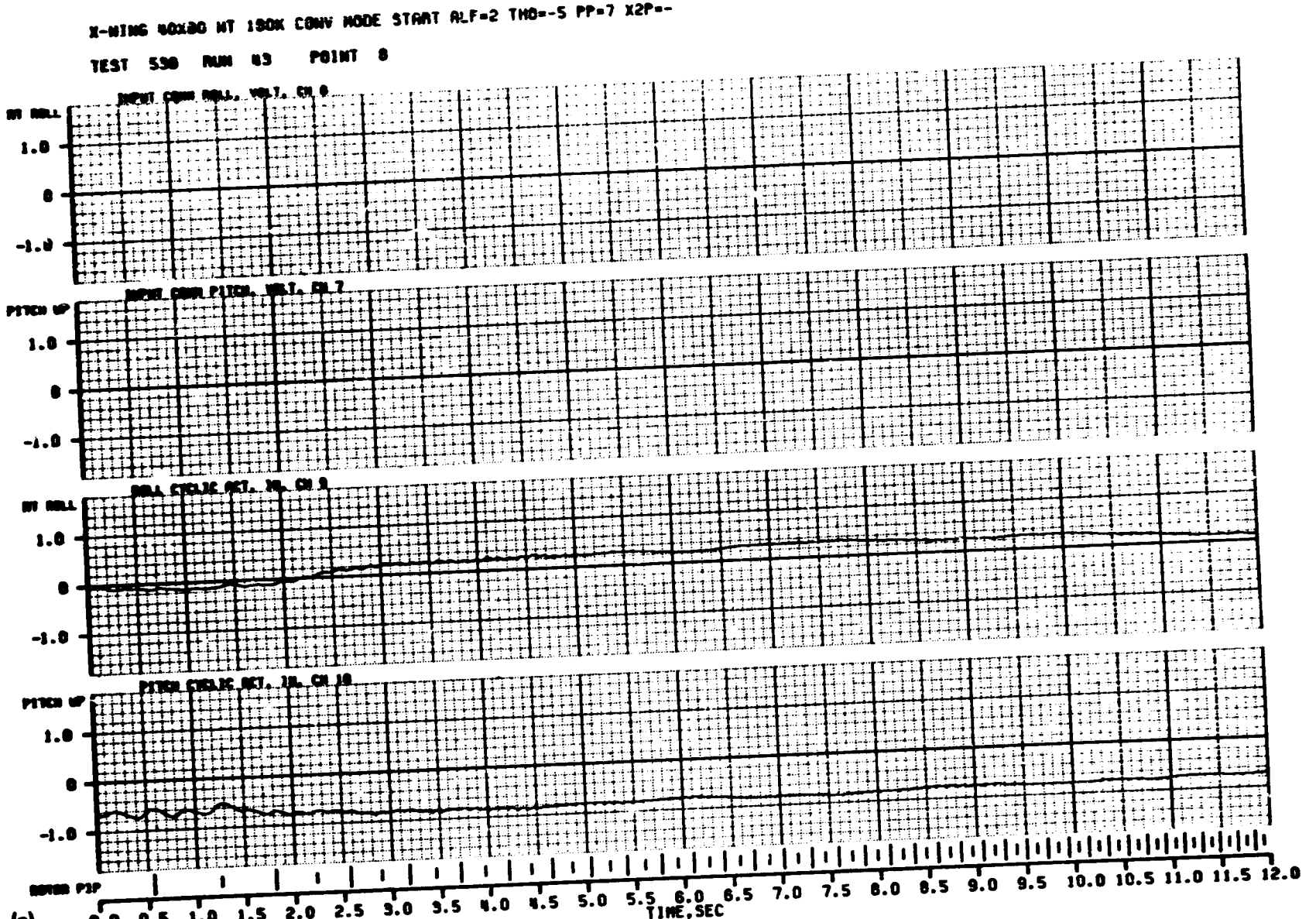


Figure 15.- Continued.



(c)

Figure 15.- Continued.

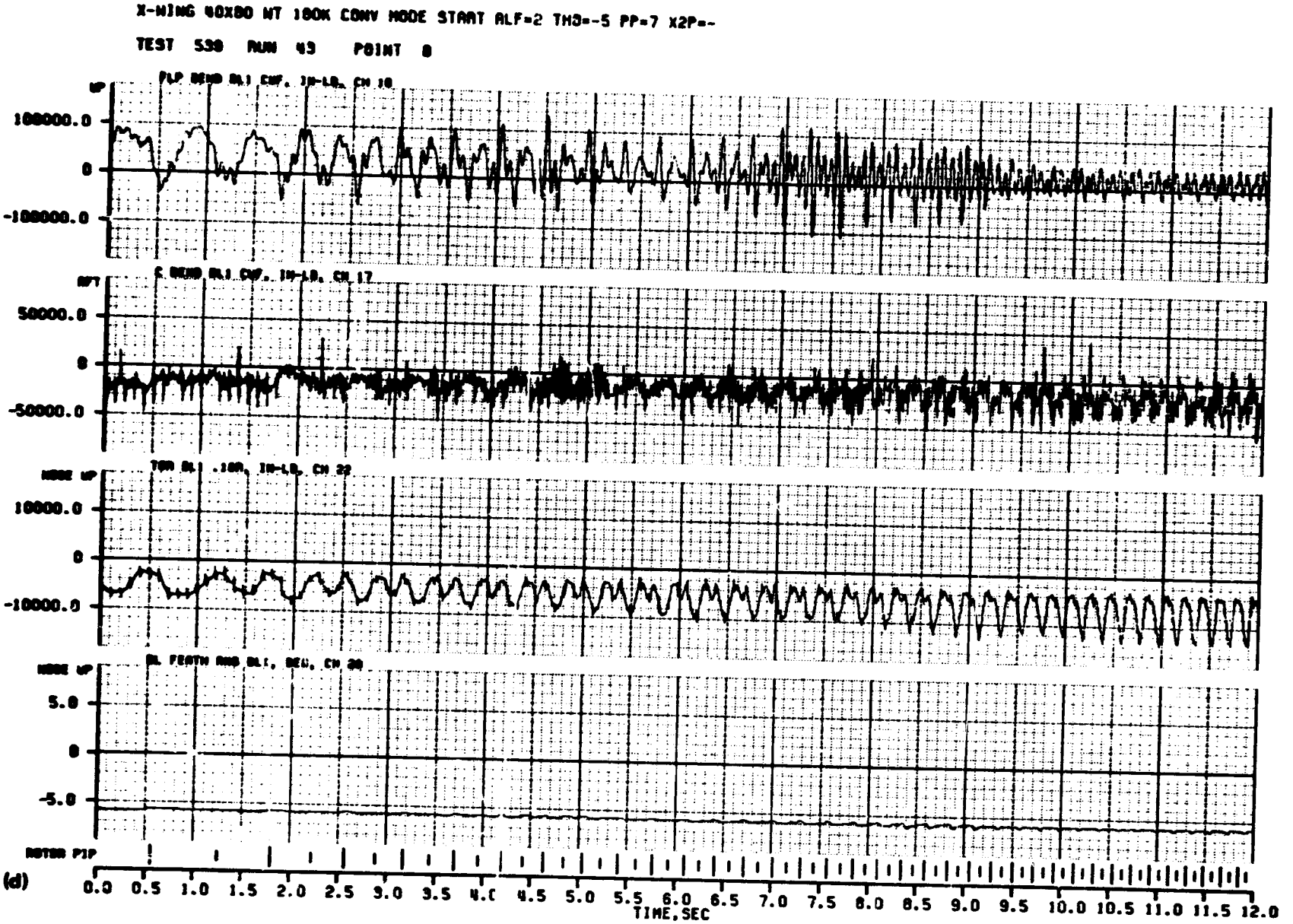


Figure 15.- Continued.

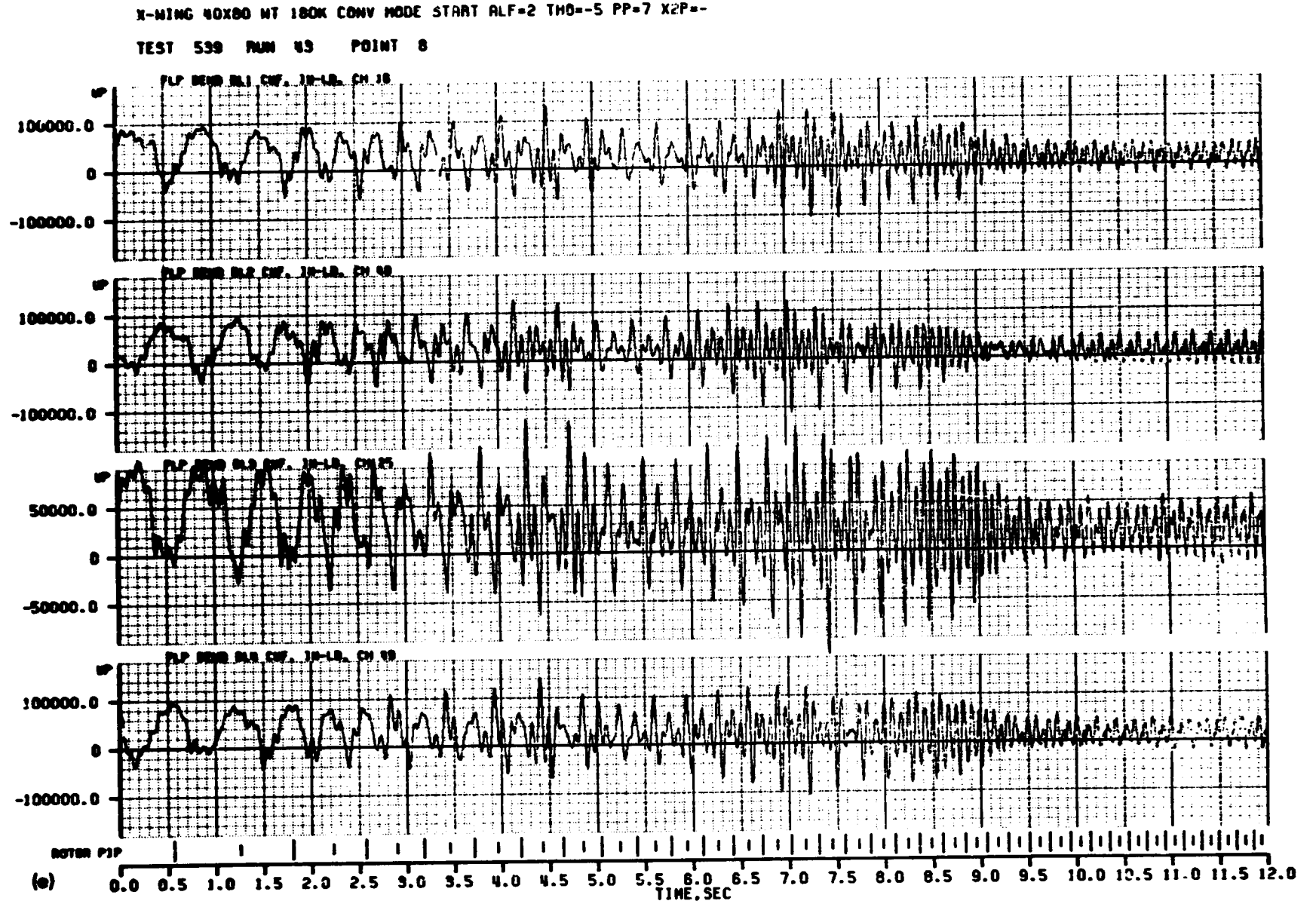
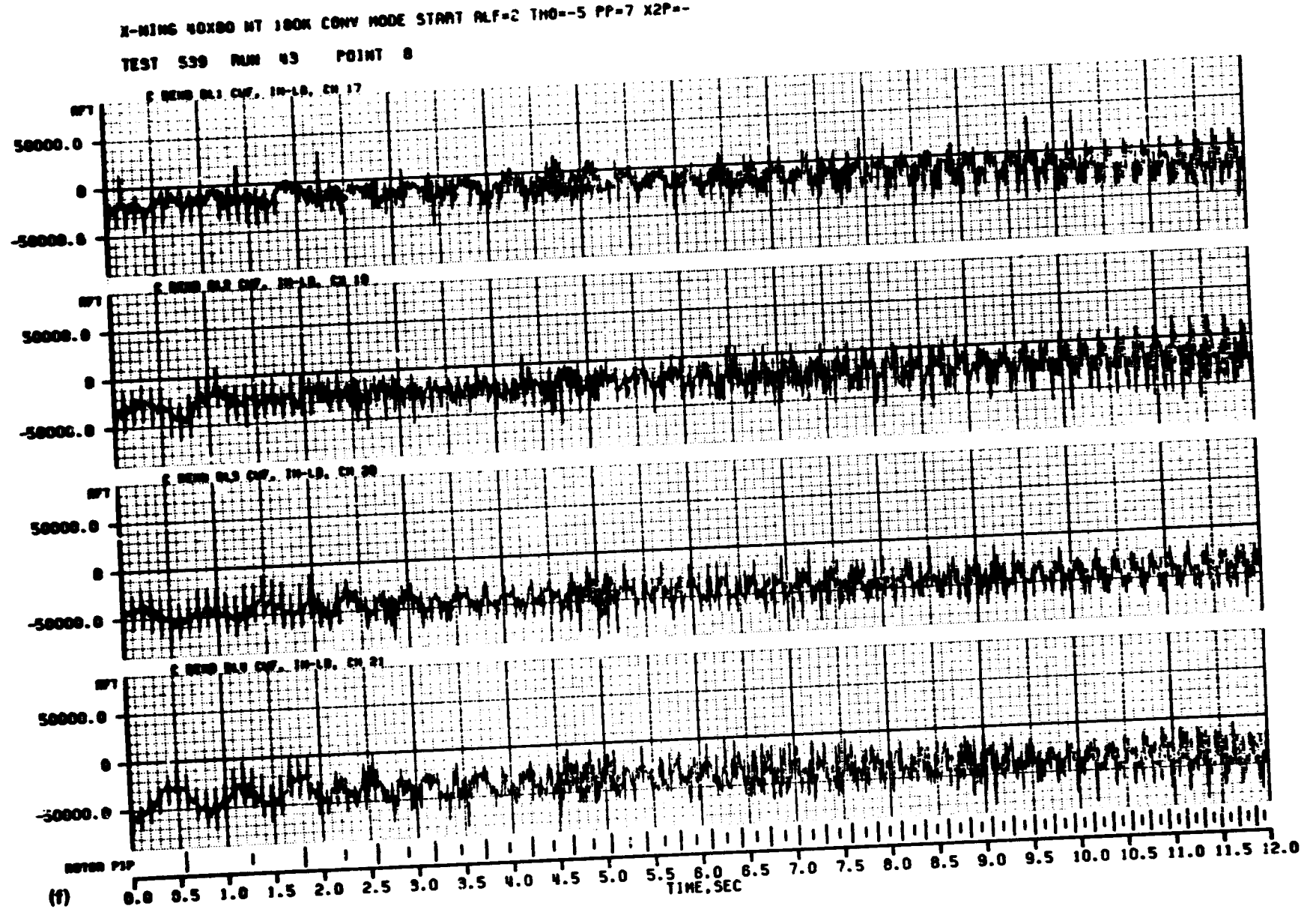


Figure 15.- Continued.



(f)

Figure 15.- Continued.

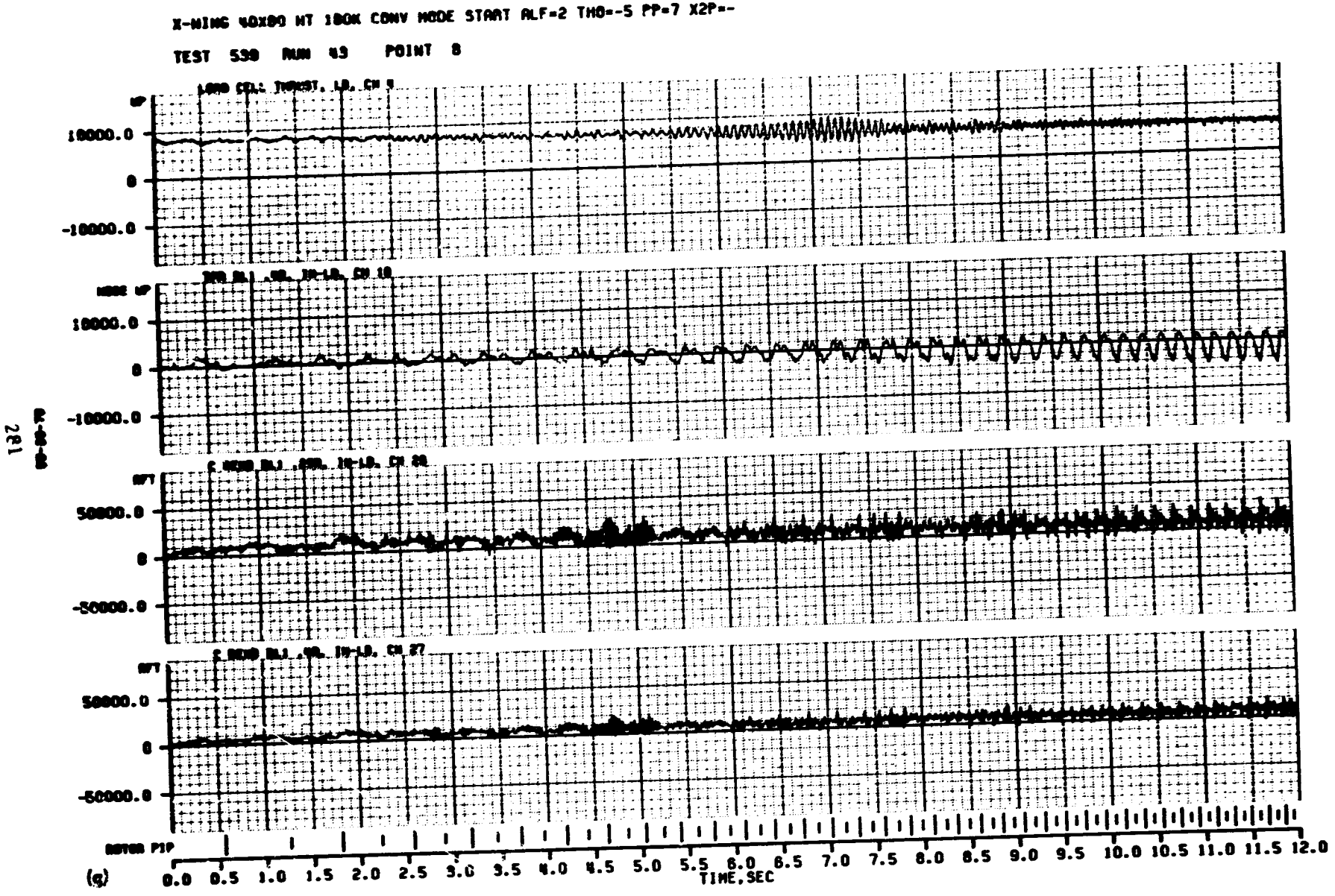
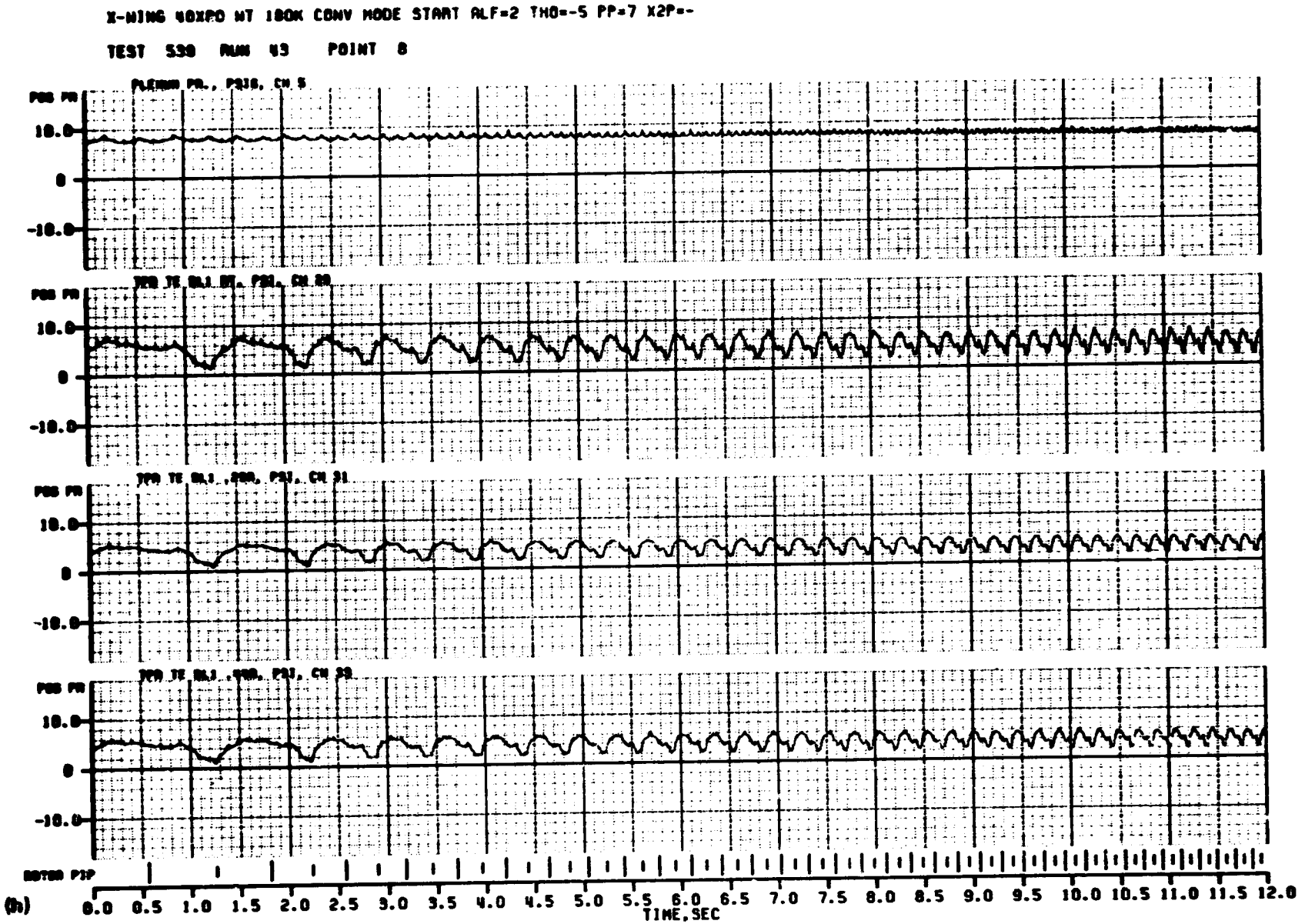


Figure 15.- Continued.



(h)

Figure 15.- Continued.

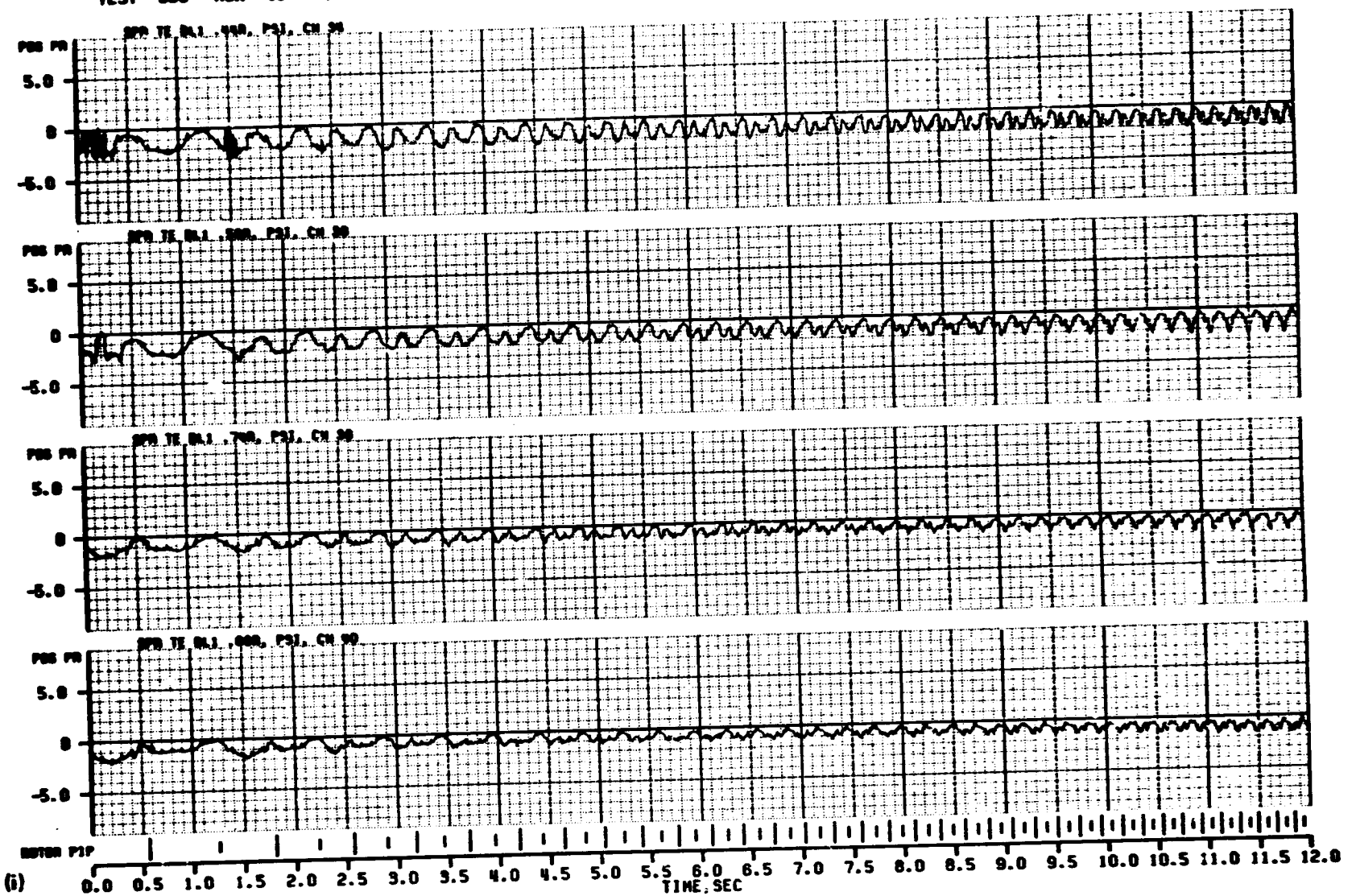
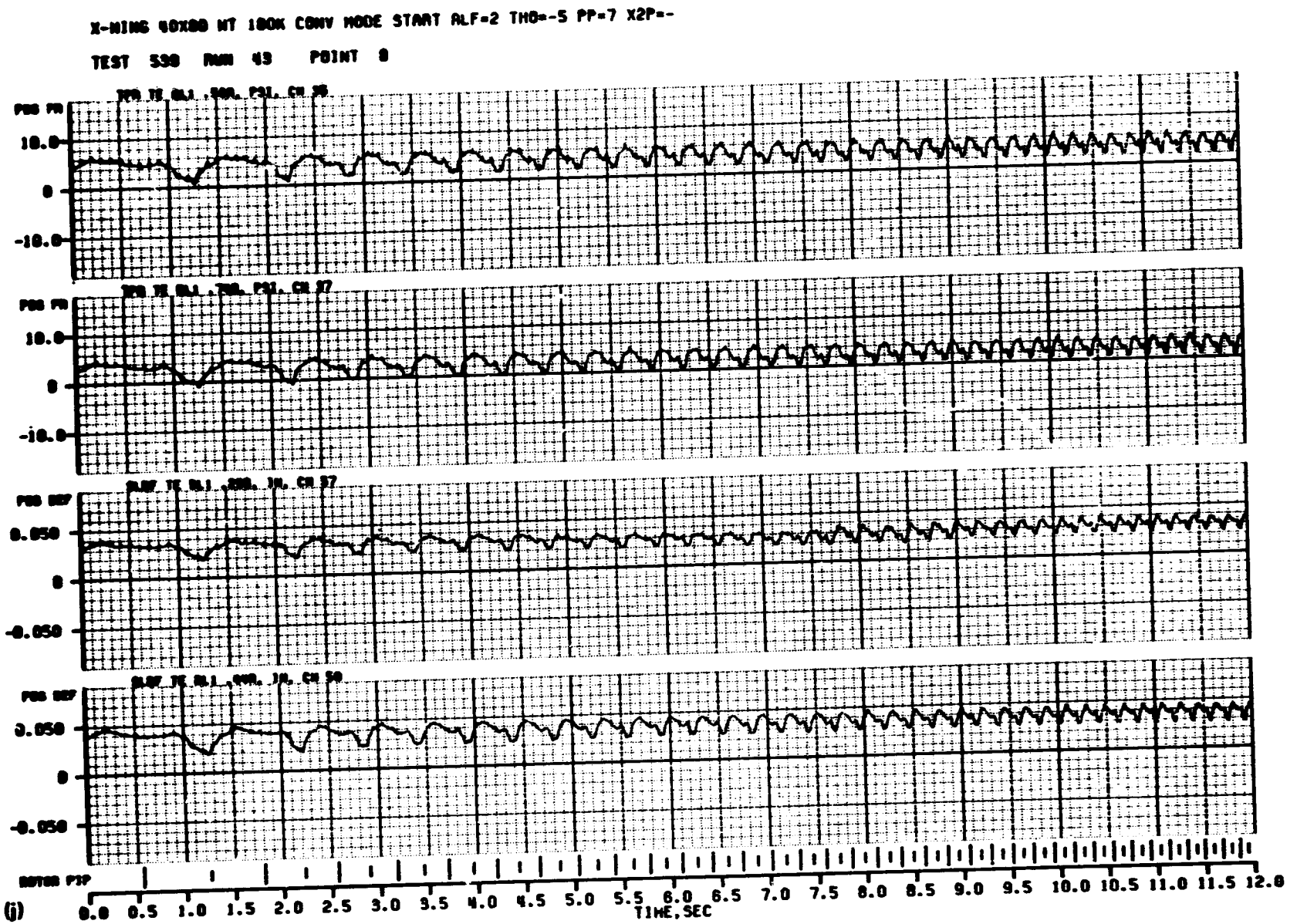


Figure 15.- Continued.



(j)

Figure 15.- Continued.

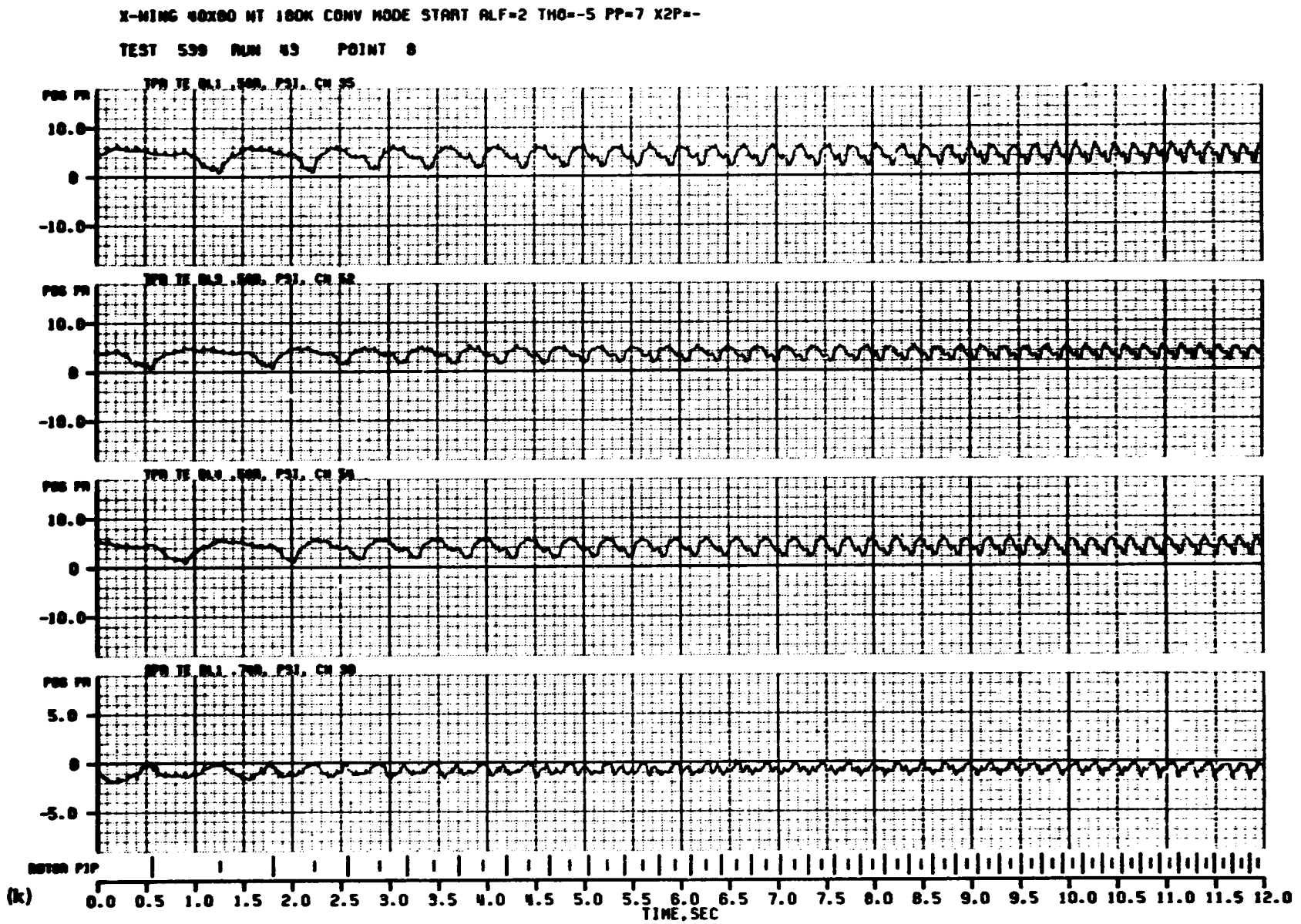


Figure 15.- Continued.

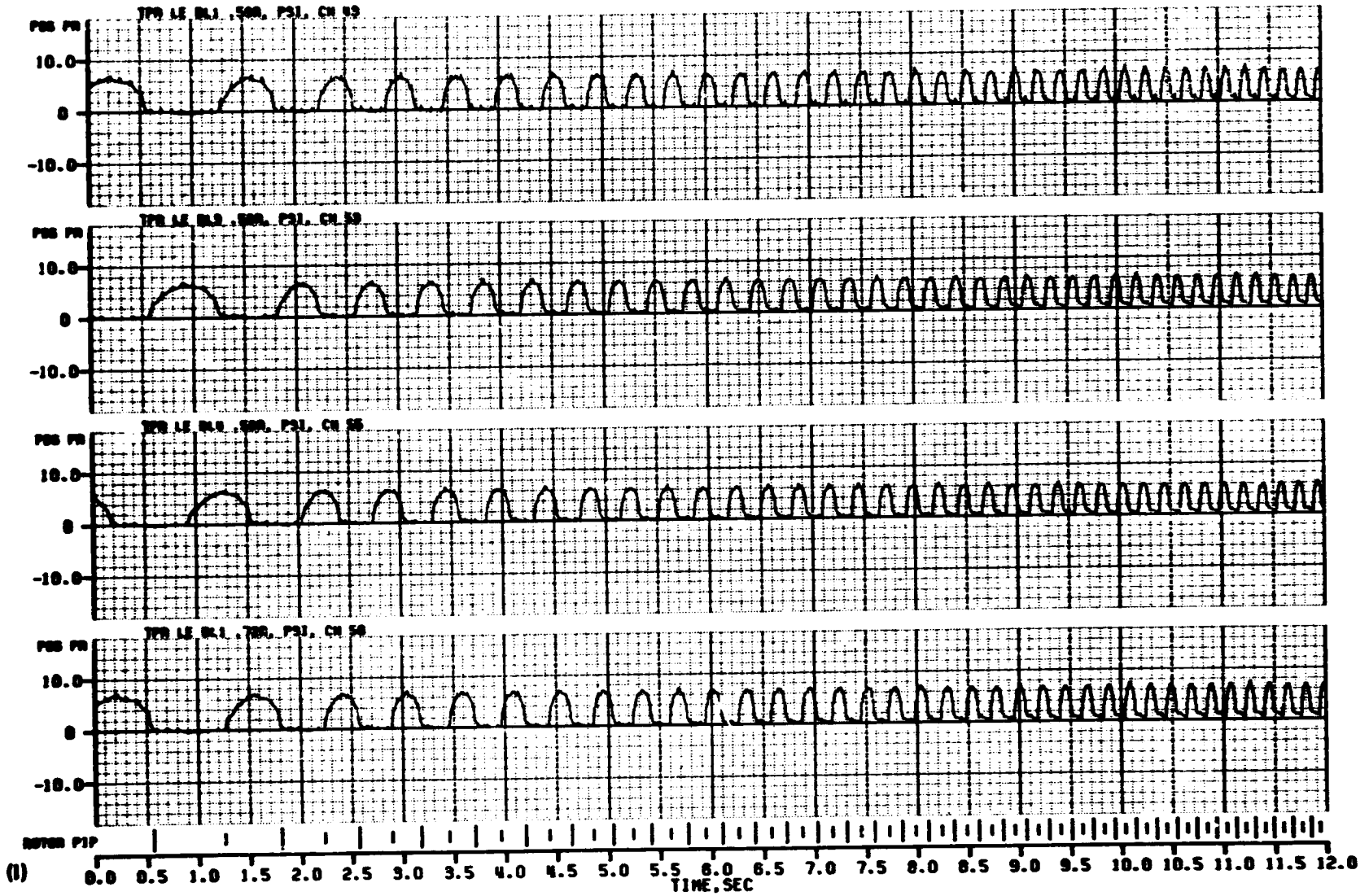
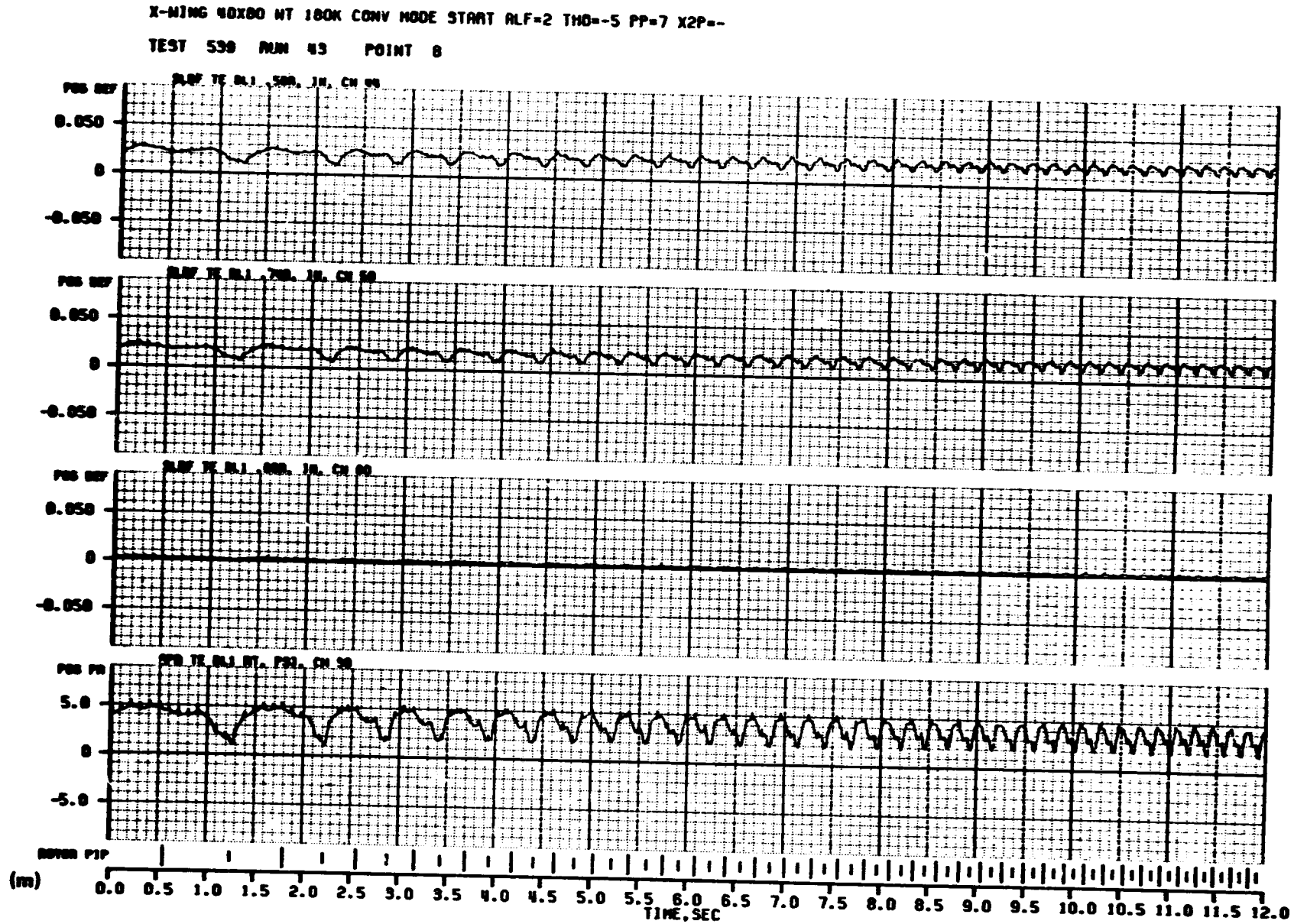


Figure 15.- Continued.



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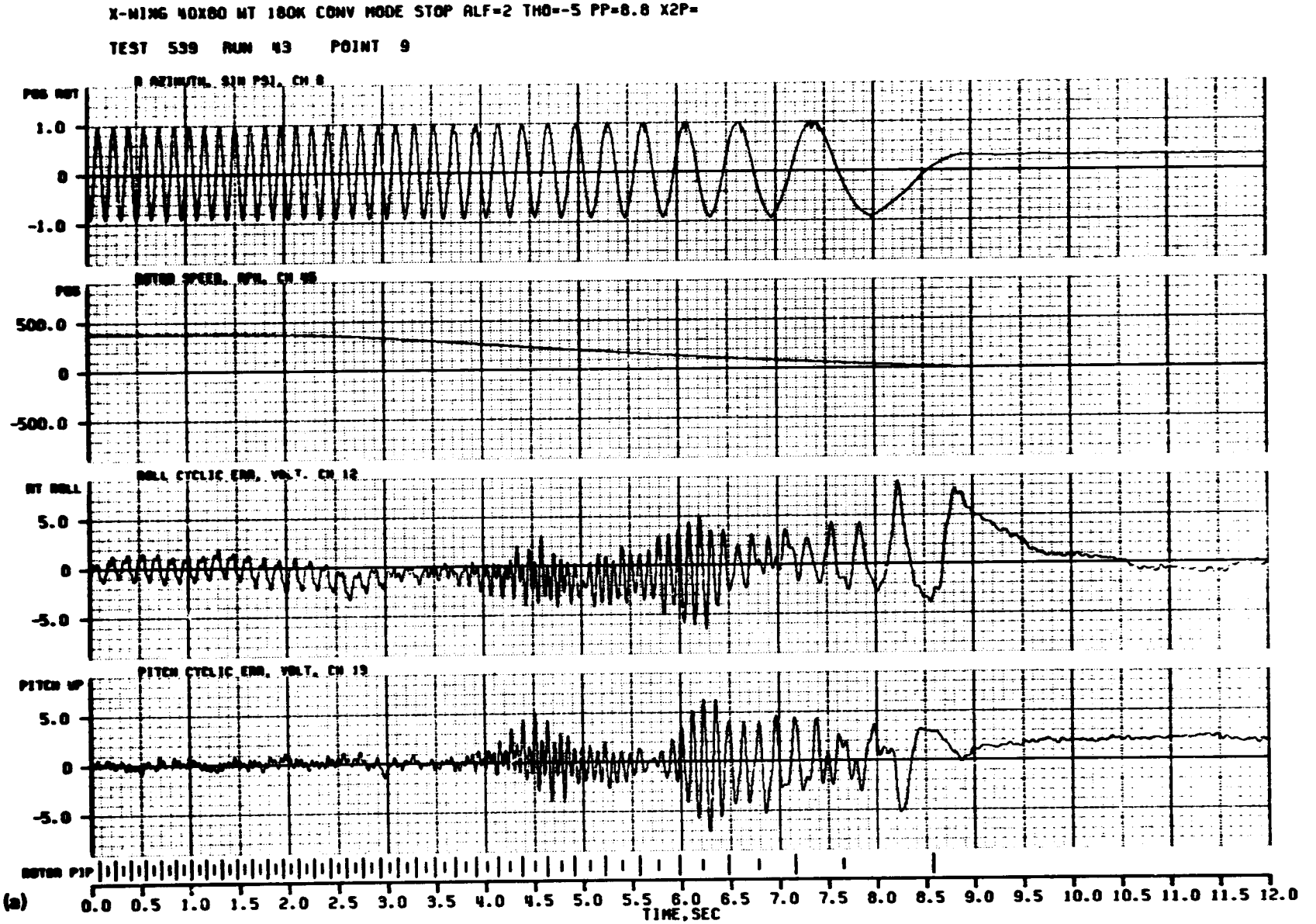

Figure 16.- Time history of run 43, data point 9, rotor transient from rotary-wing to fixed wing.

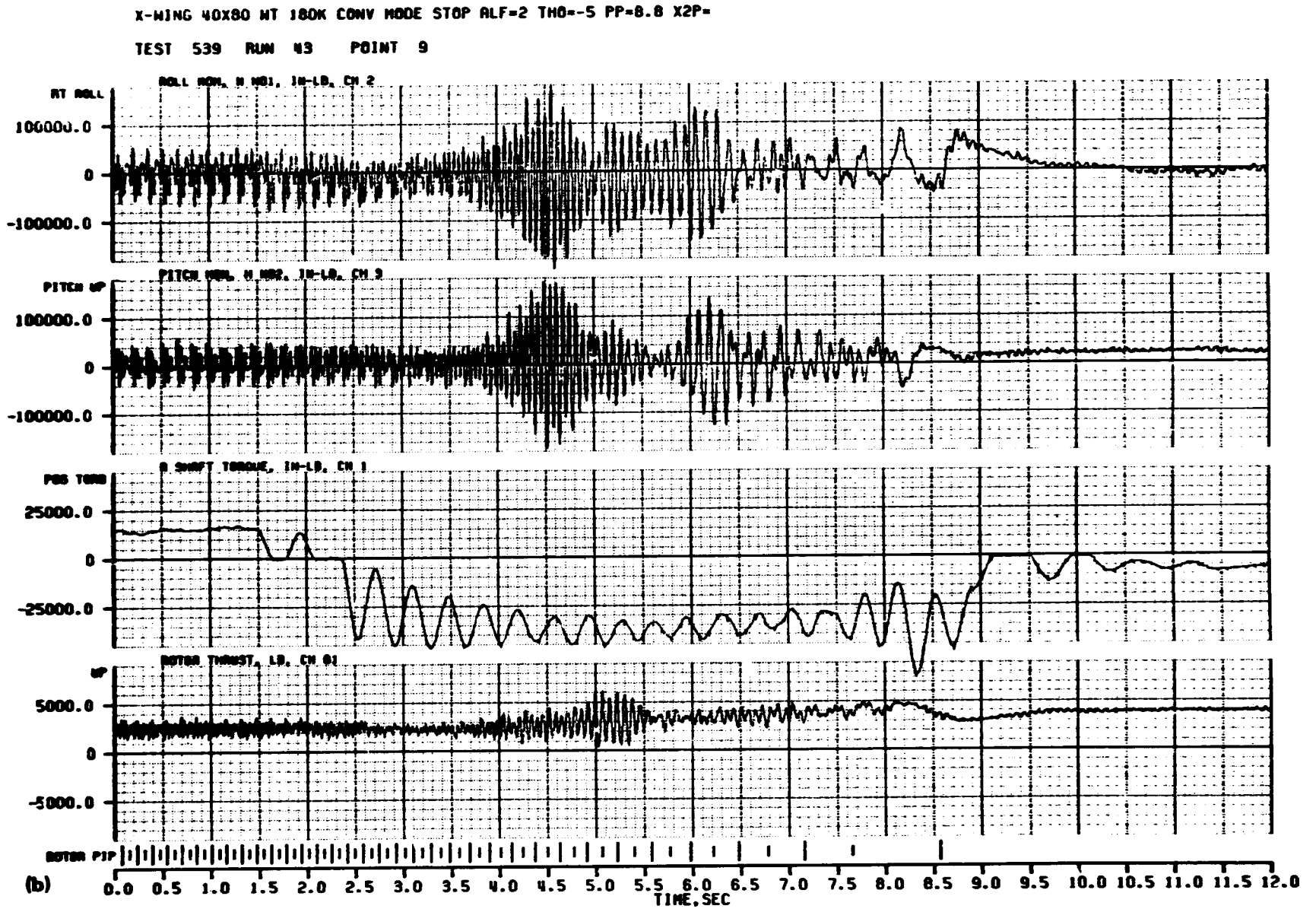

Figure 16.- Continued.

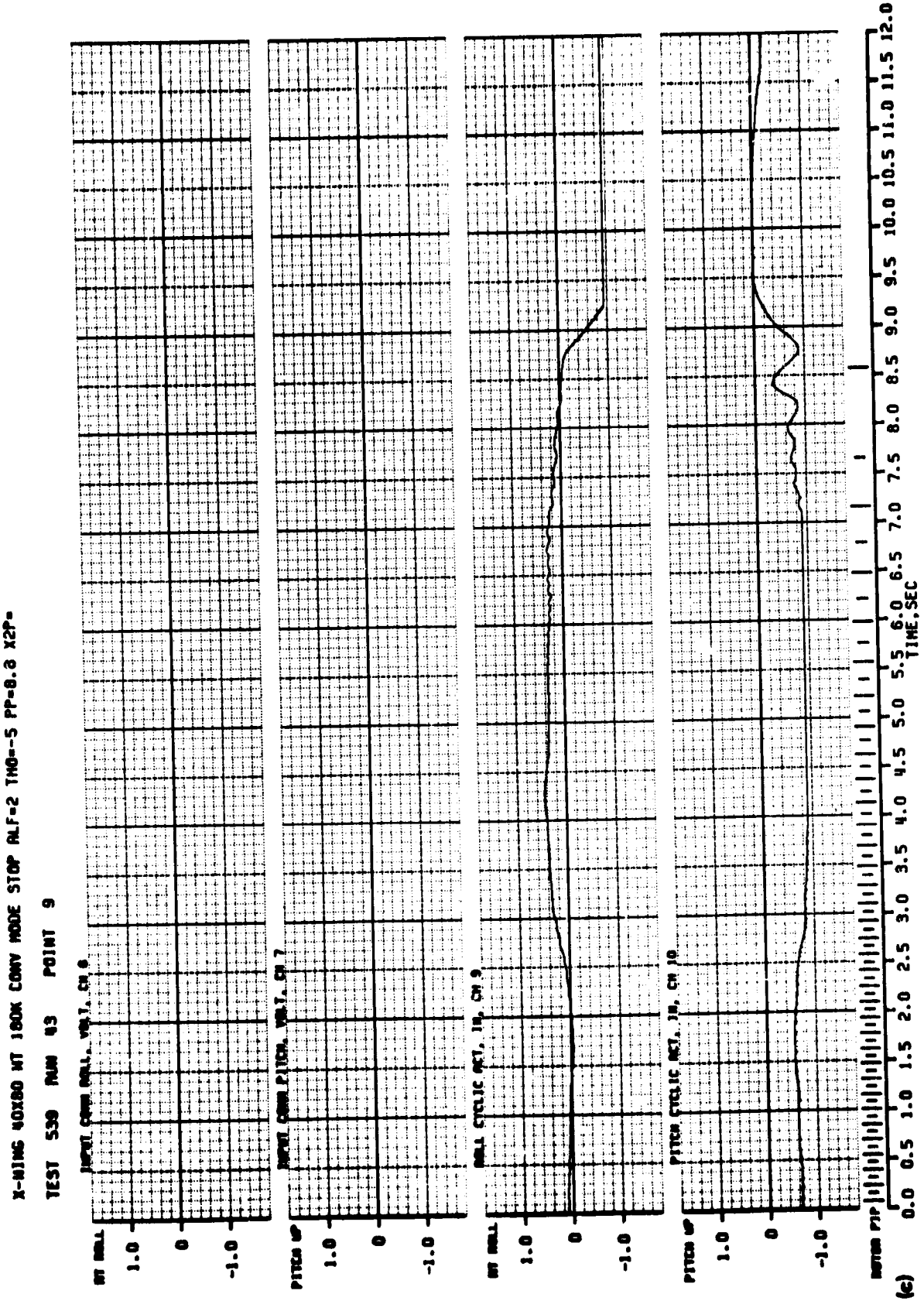

Figure 16.- Continued.

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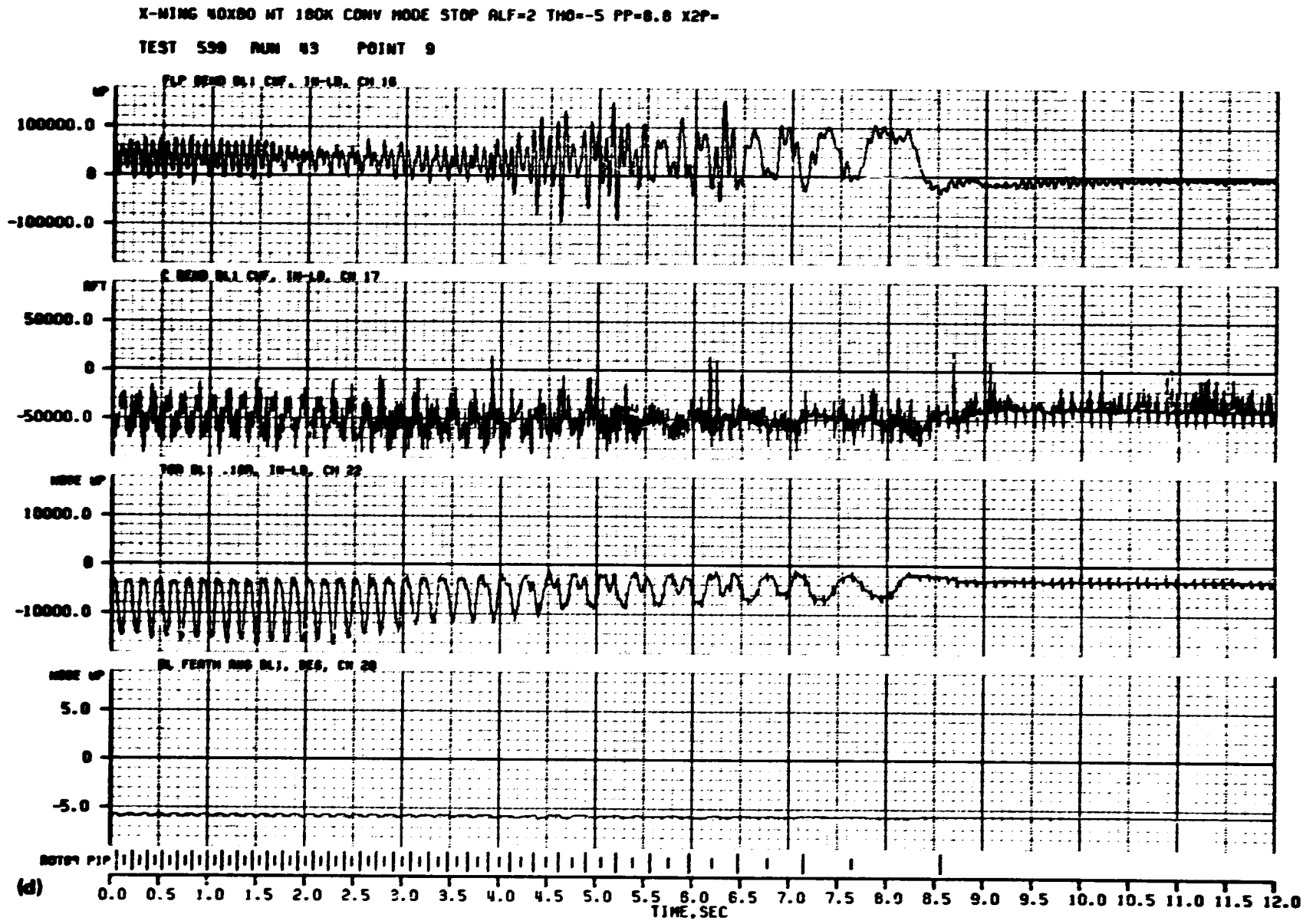


Figure 16.- Continued.

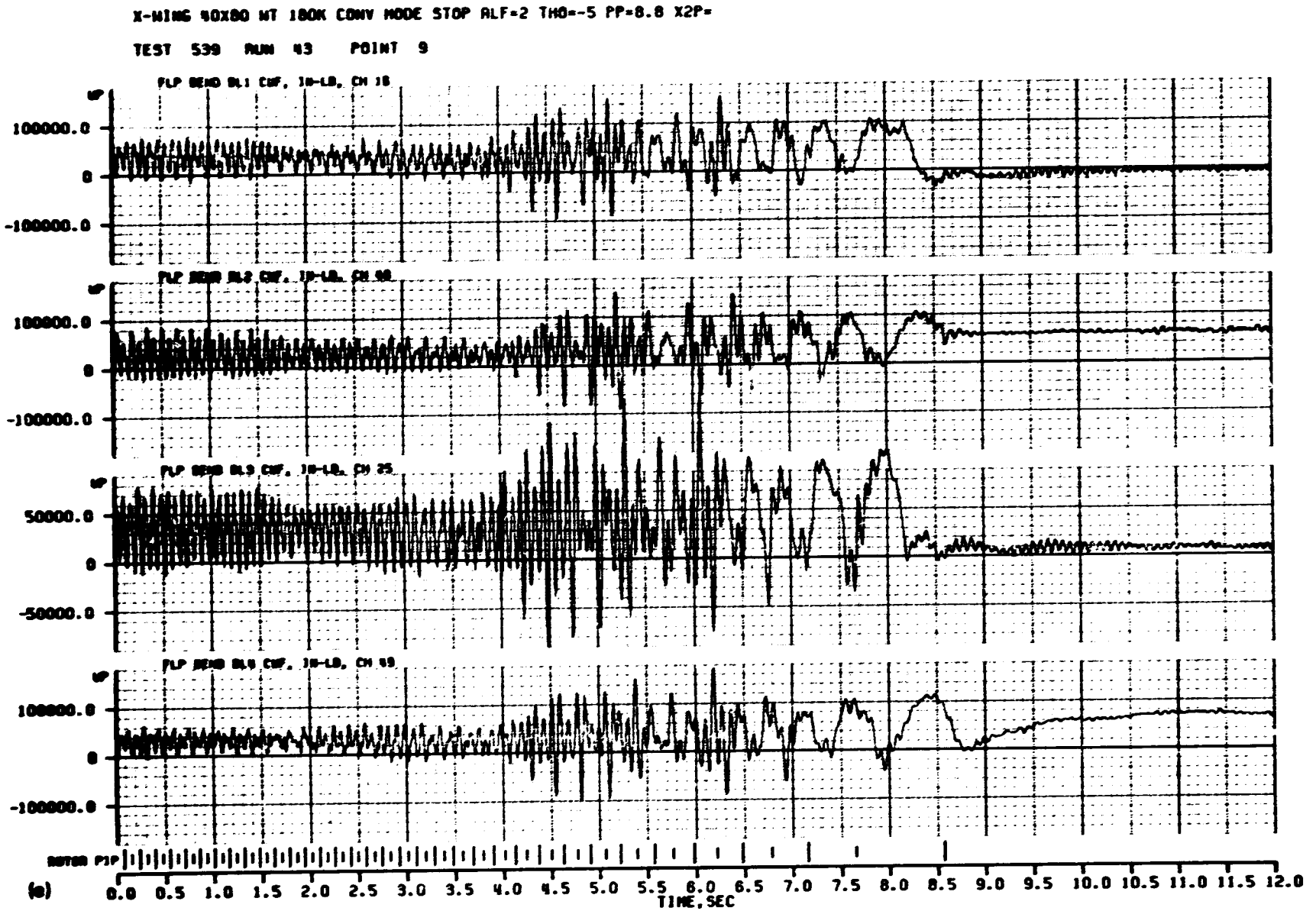


Figure 16.- Continued.

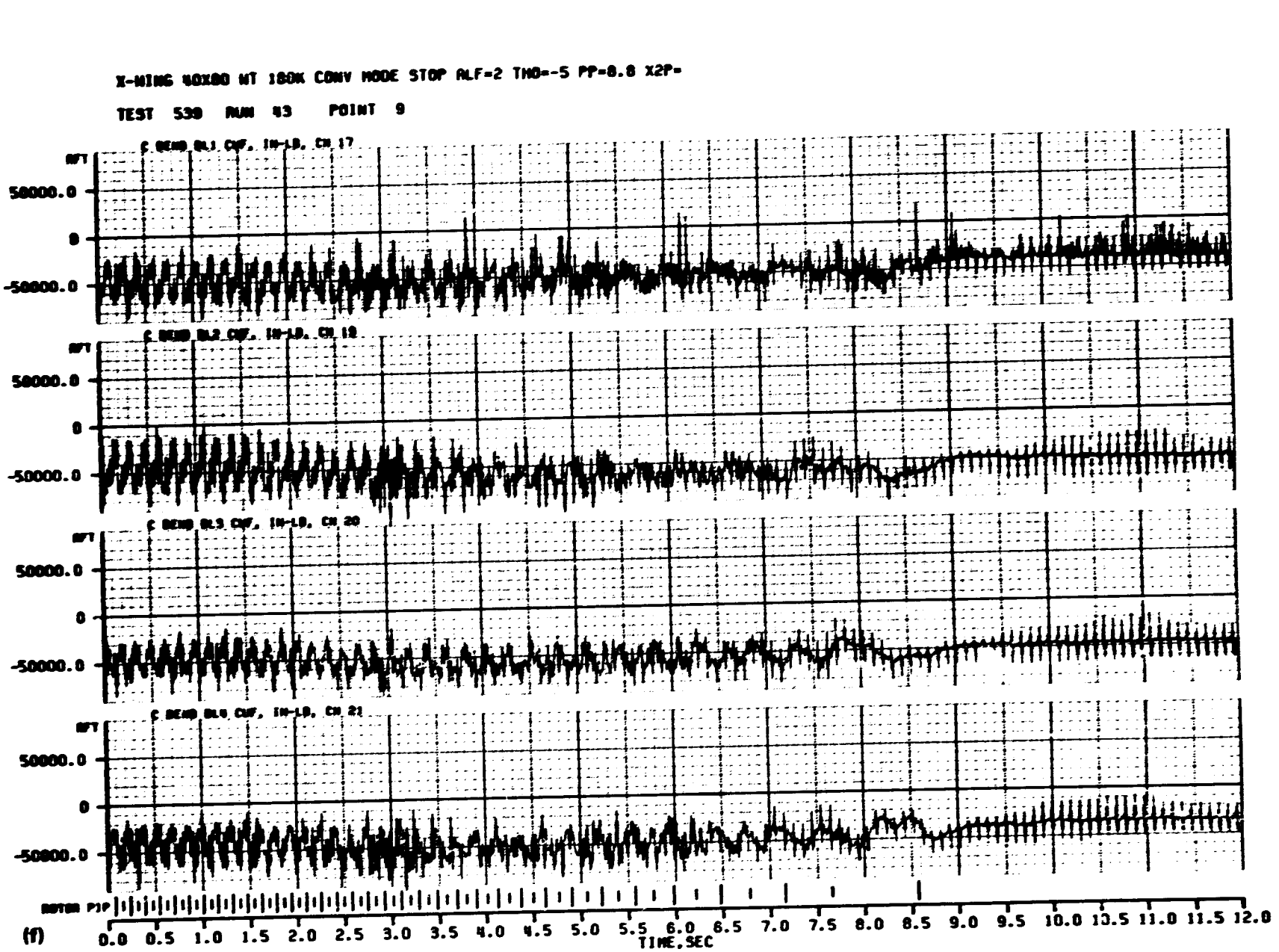


Figure 16.- Continued.

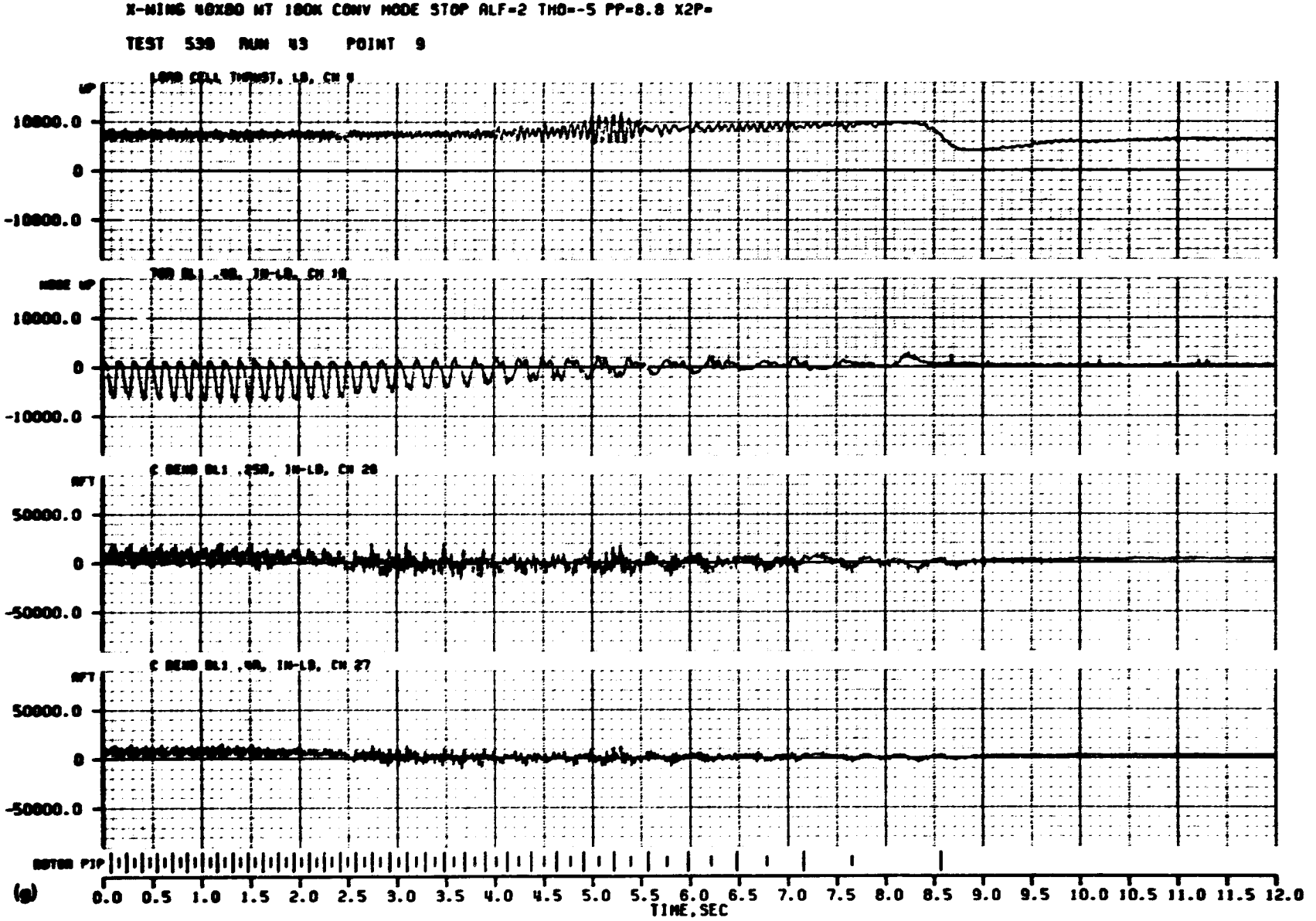


Figure 16.- Continued.

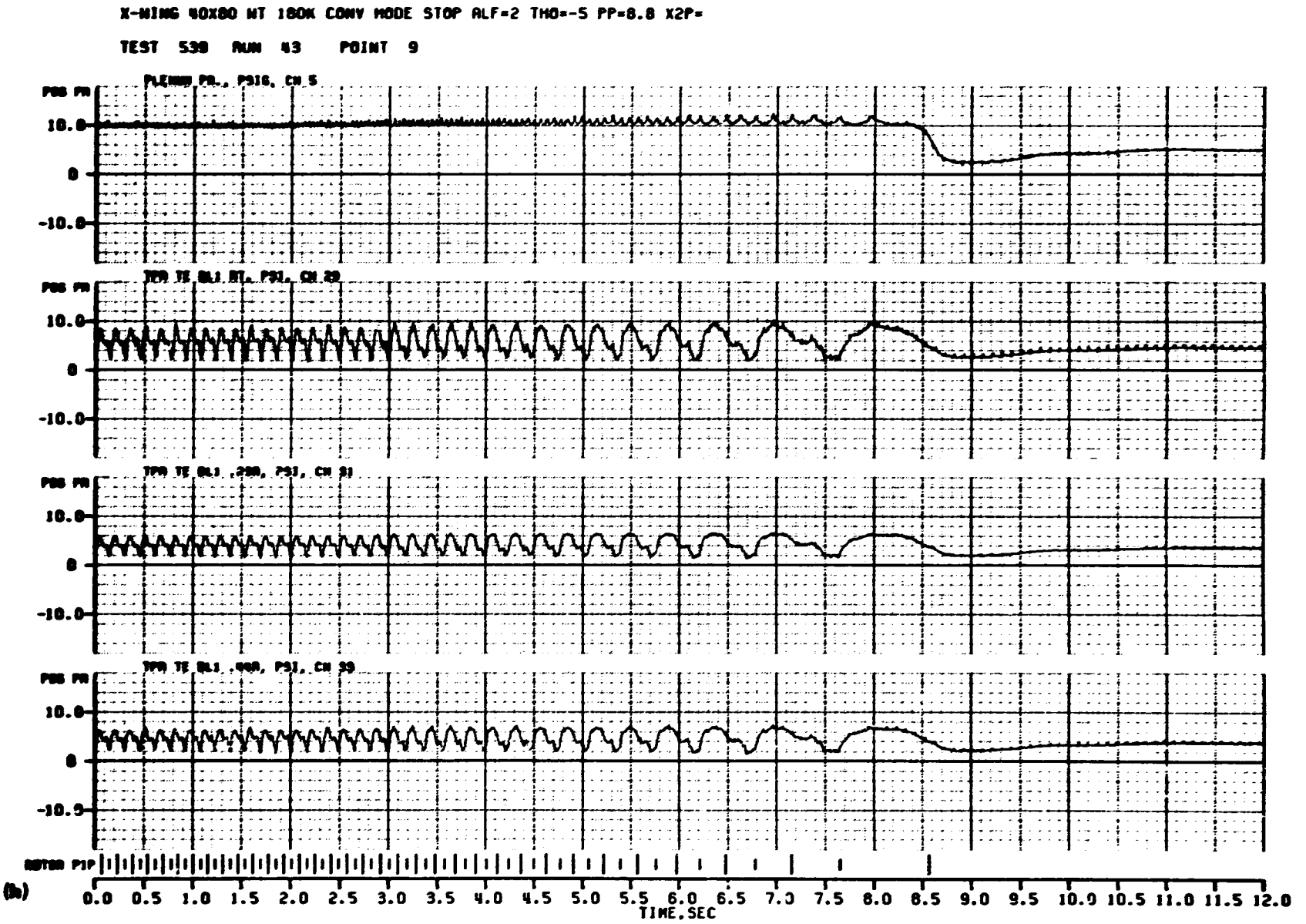


Figure 16.- Continued.

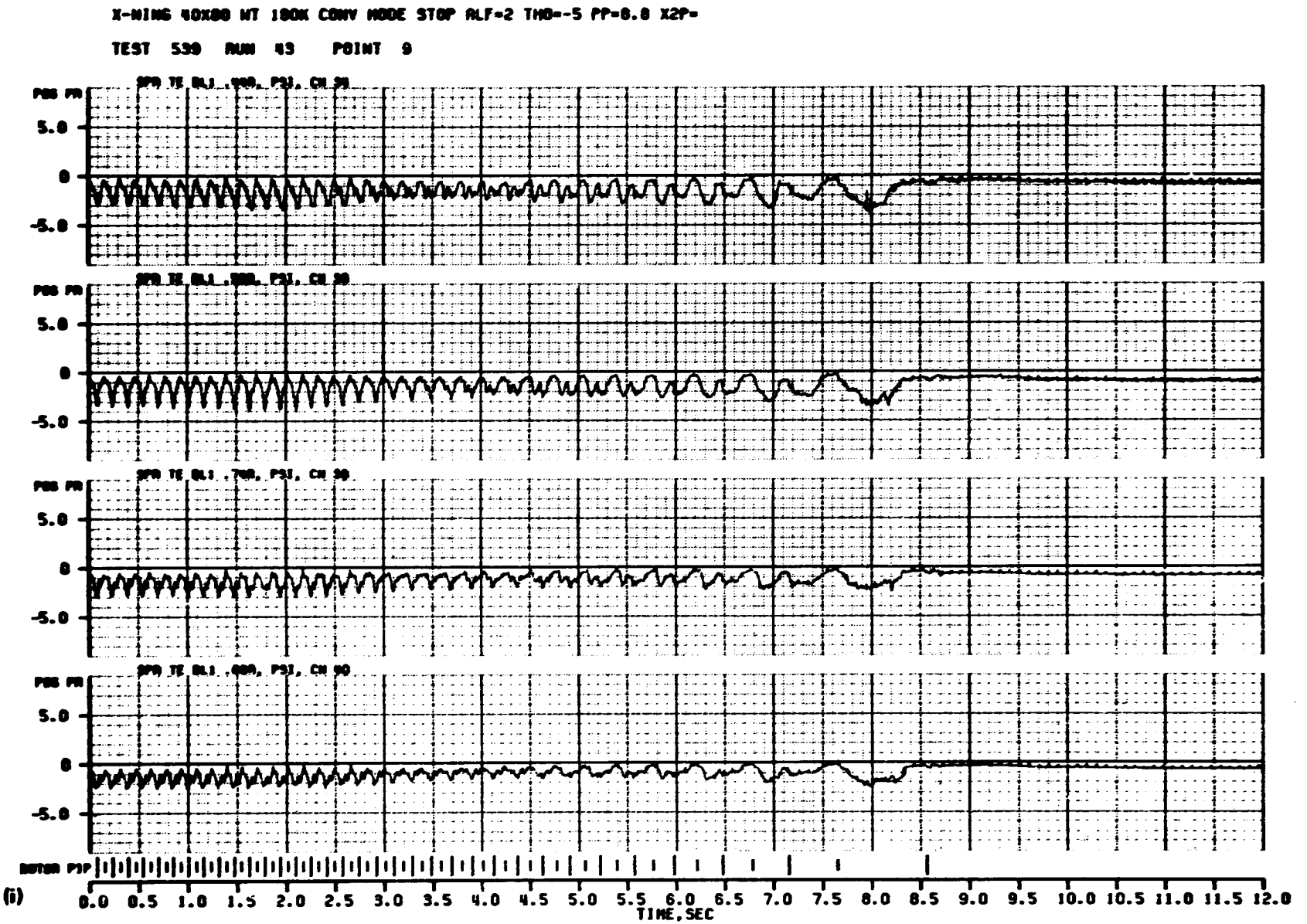
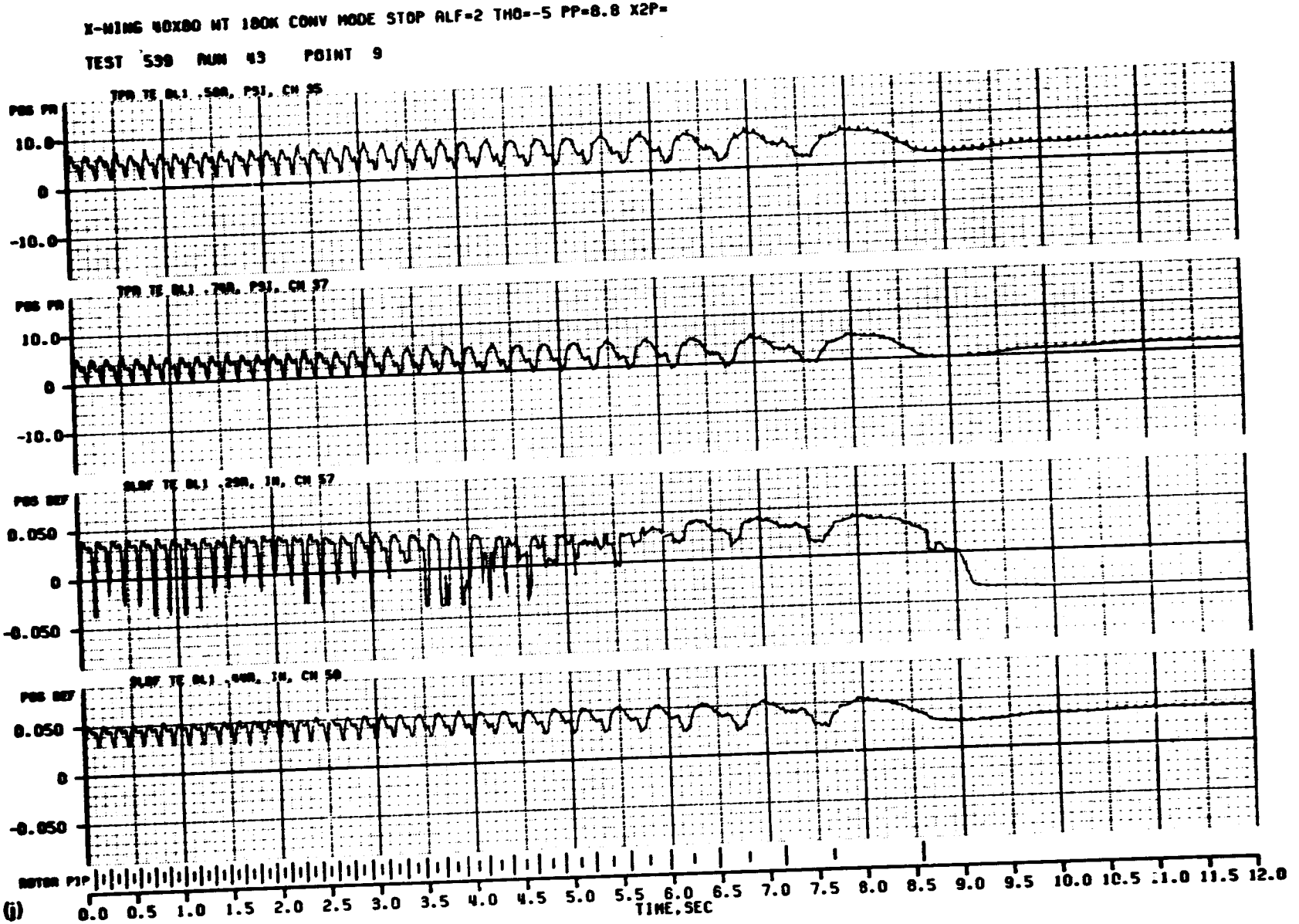


Figure 16.- Continued.



(j)

Figure 16.- Continued.

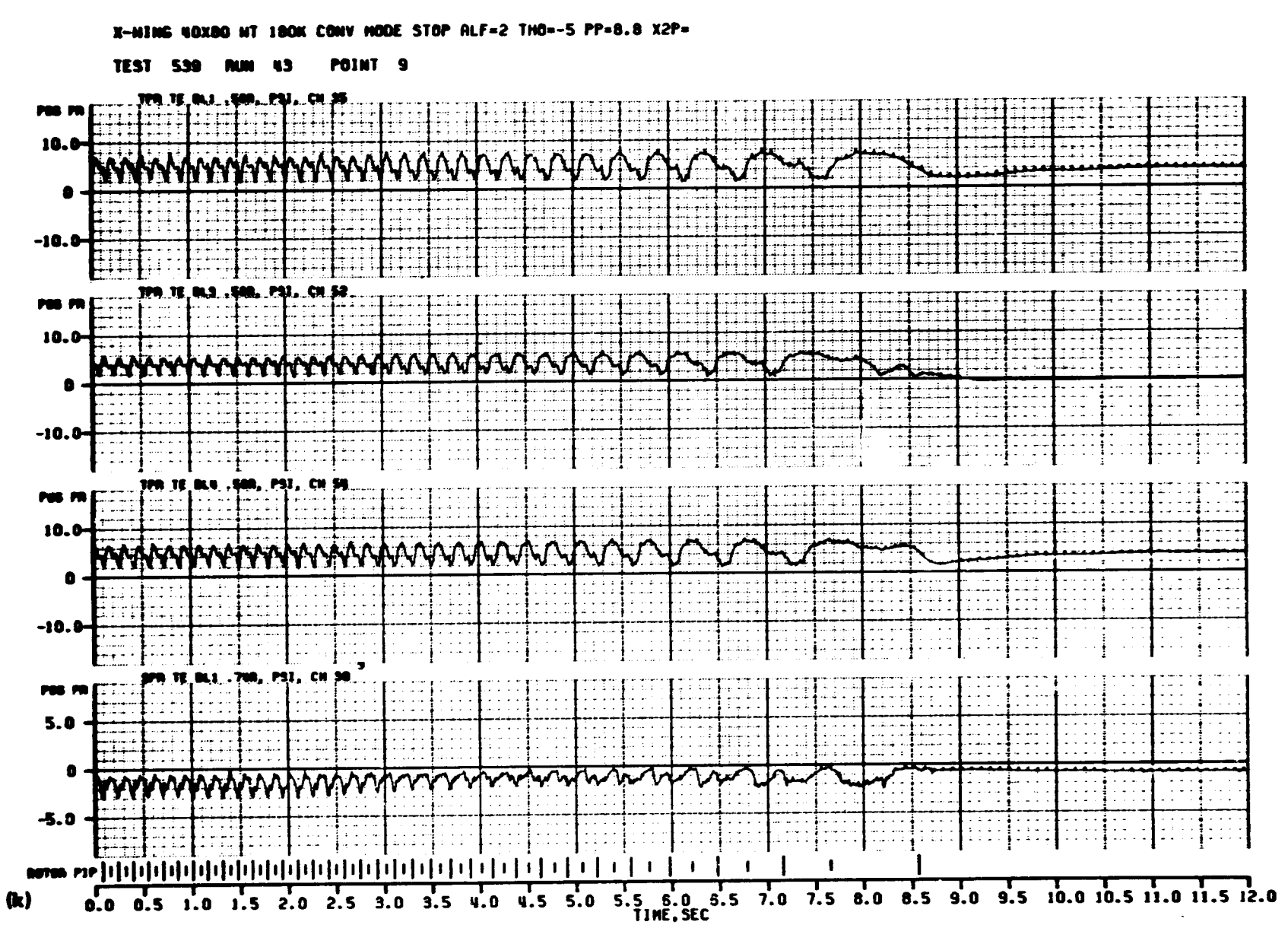


Figure 16.- Continued.

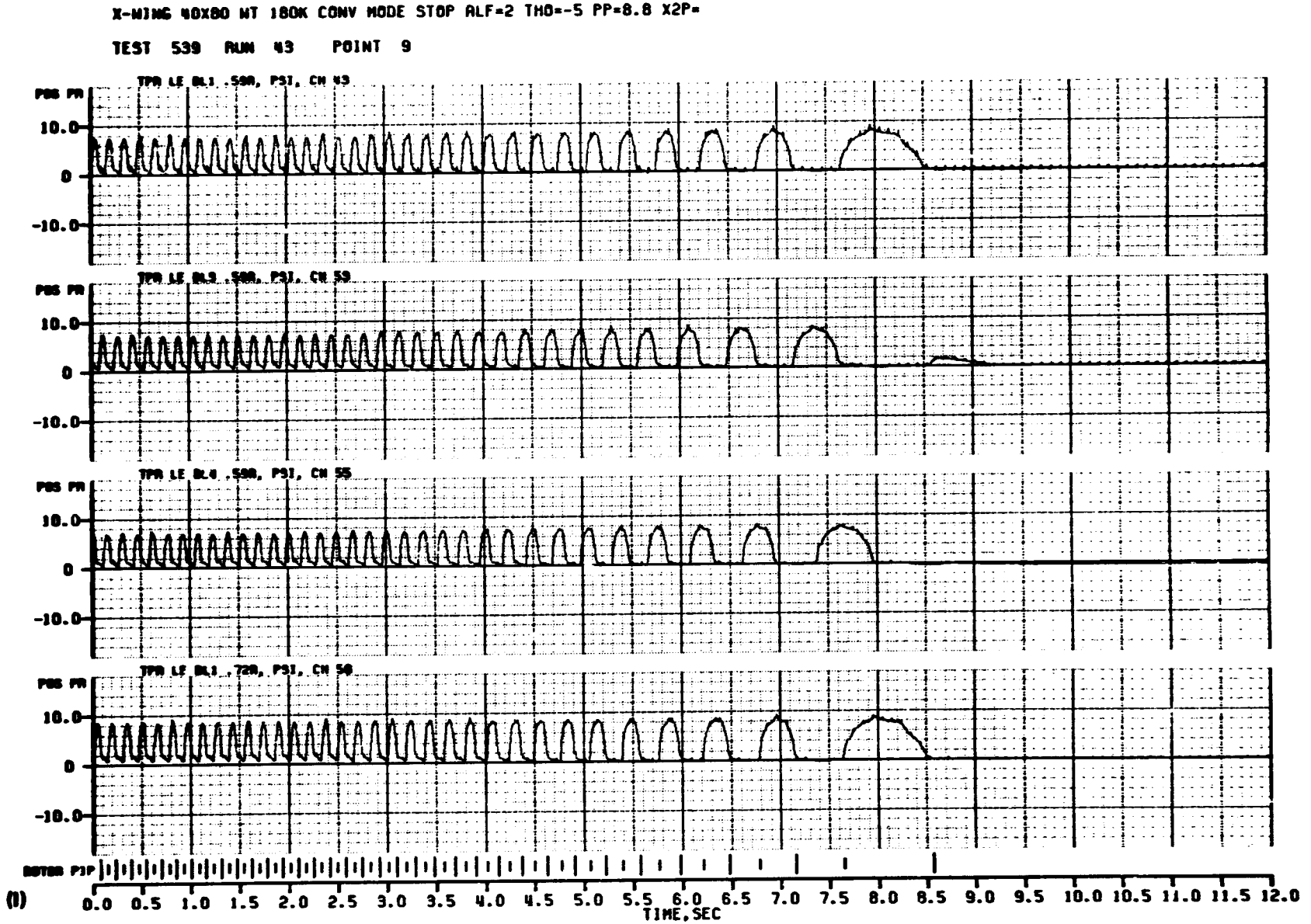


Figure 16.- Continued.

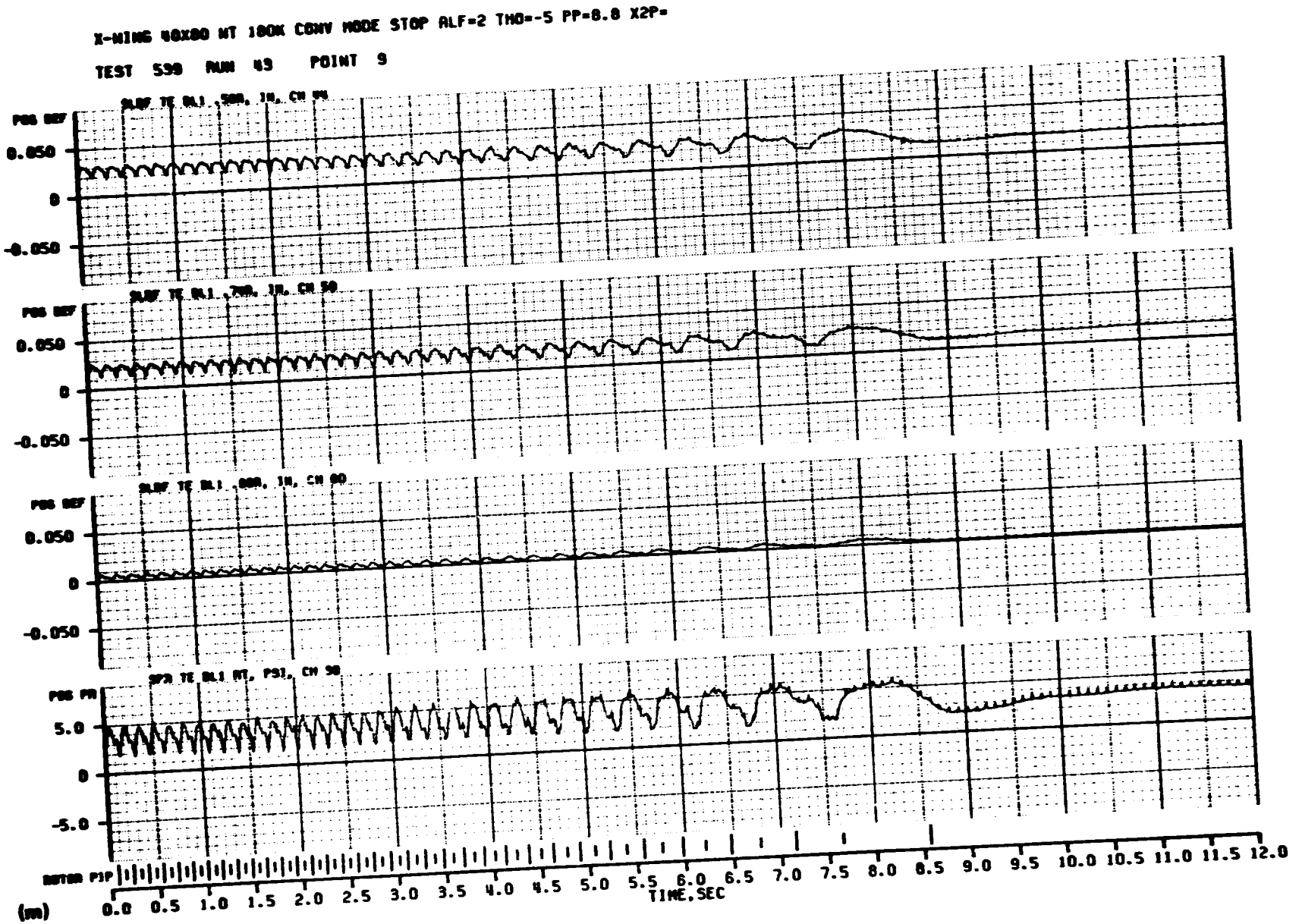


Figure 16.- Concluded.

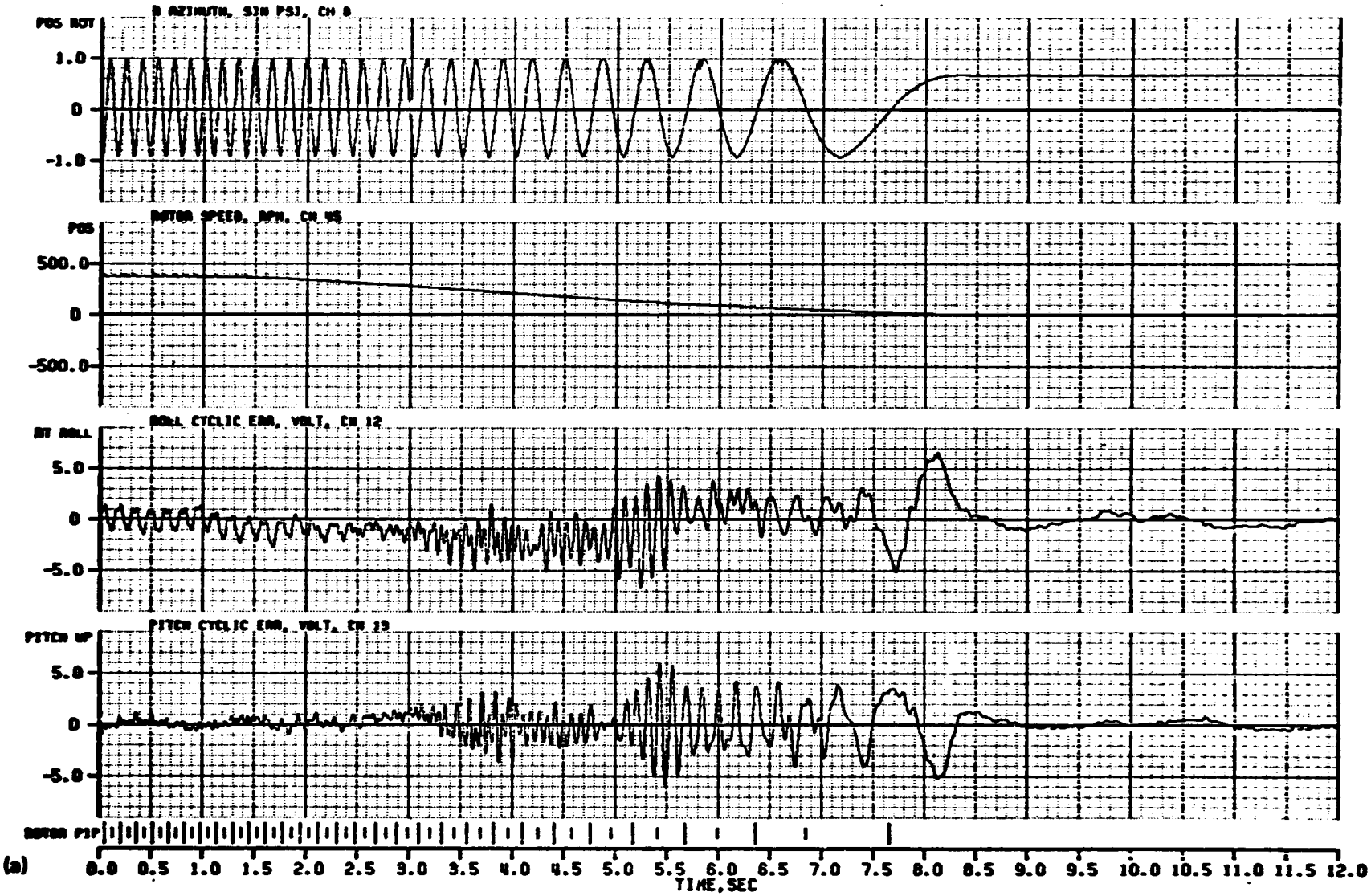
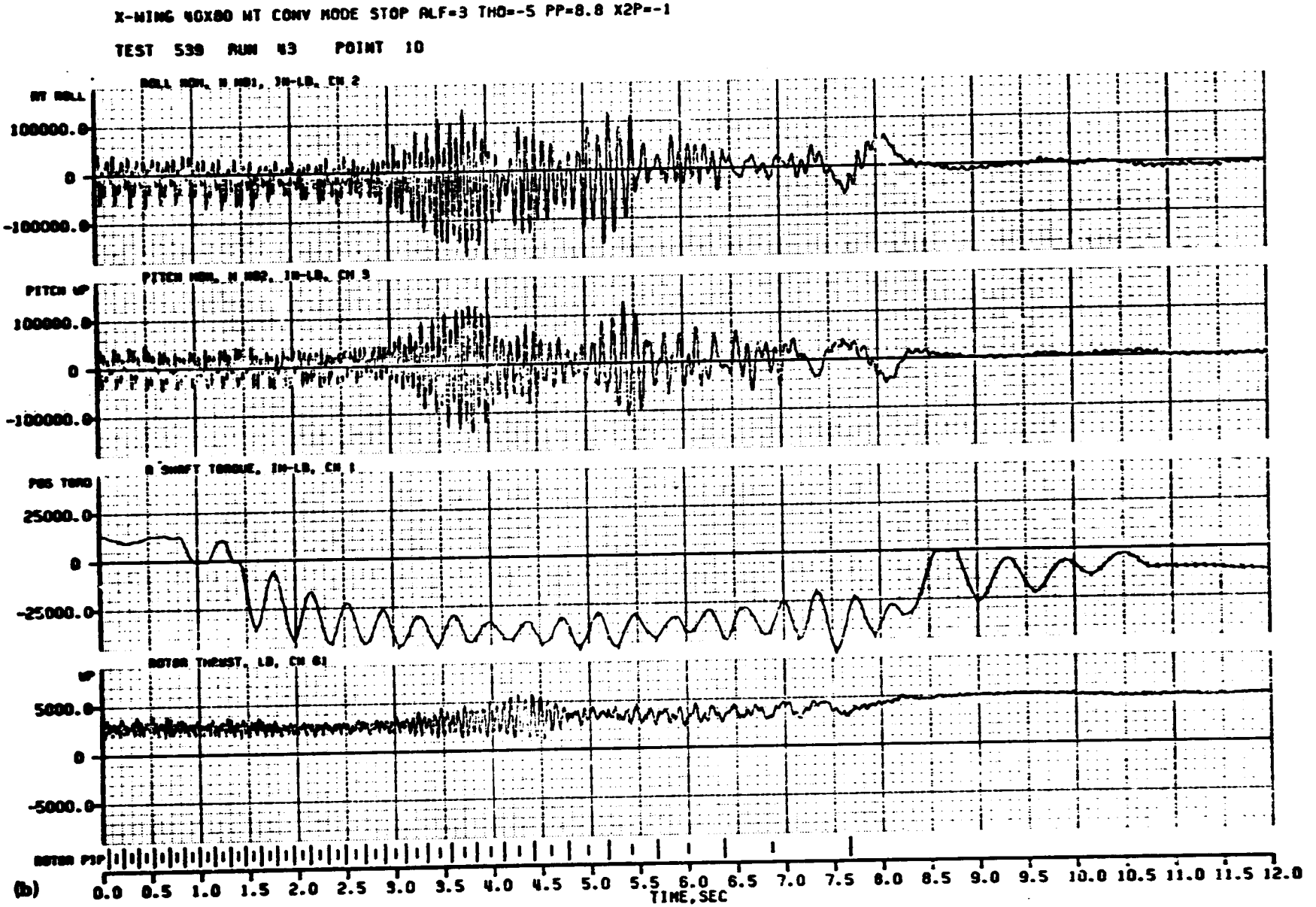
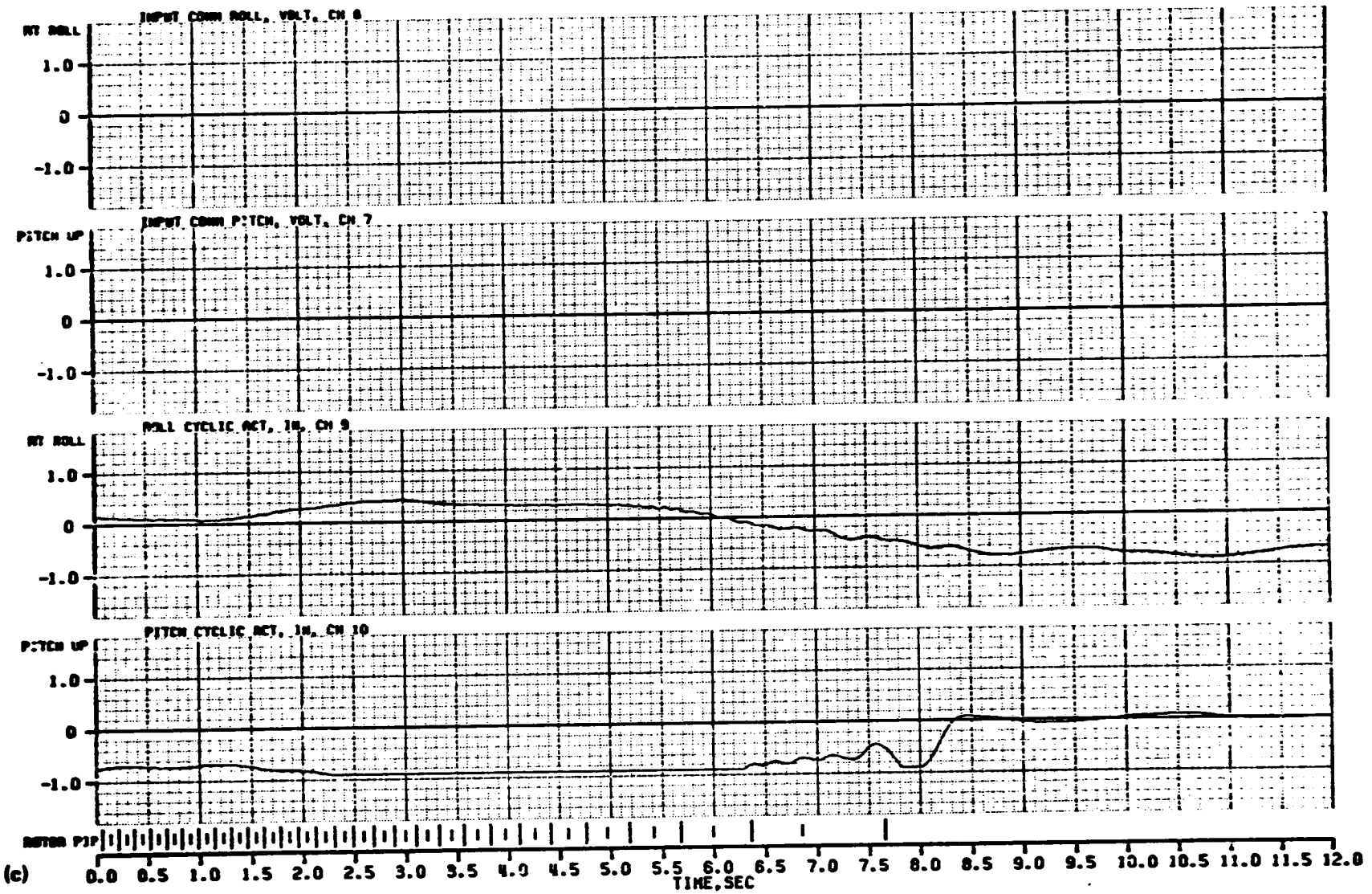


Figure 17.- Time history of run 43, data point 10, rotor transient from rotary-wing to fixed-wing.



(b)

Figure 17.- Continued.



(c)

Figure 17.- Continued.

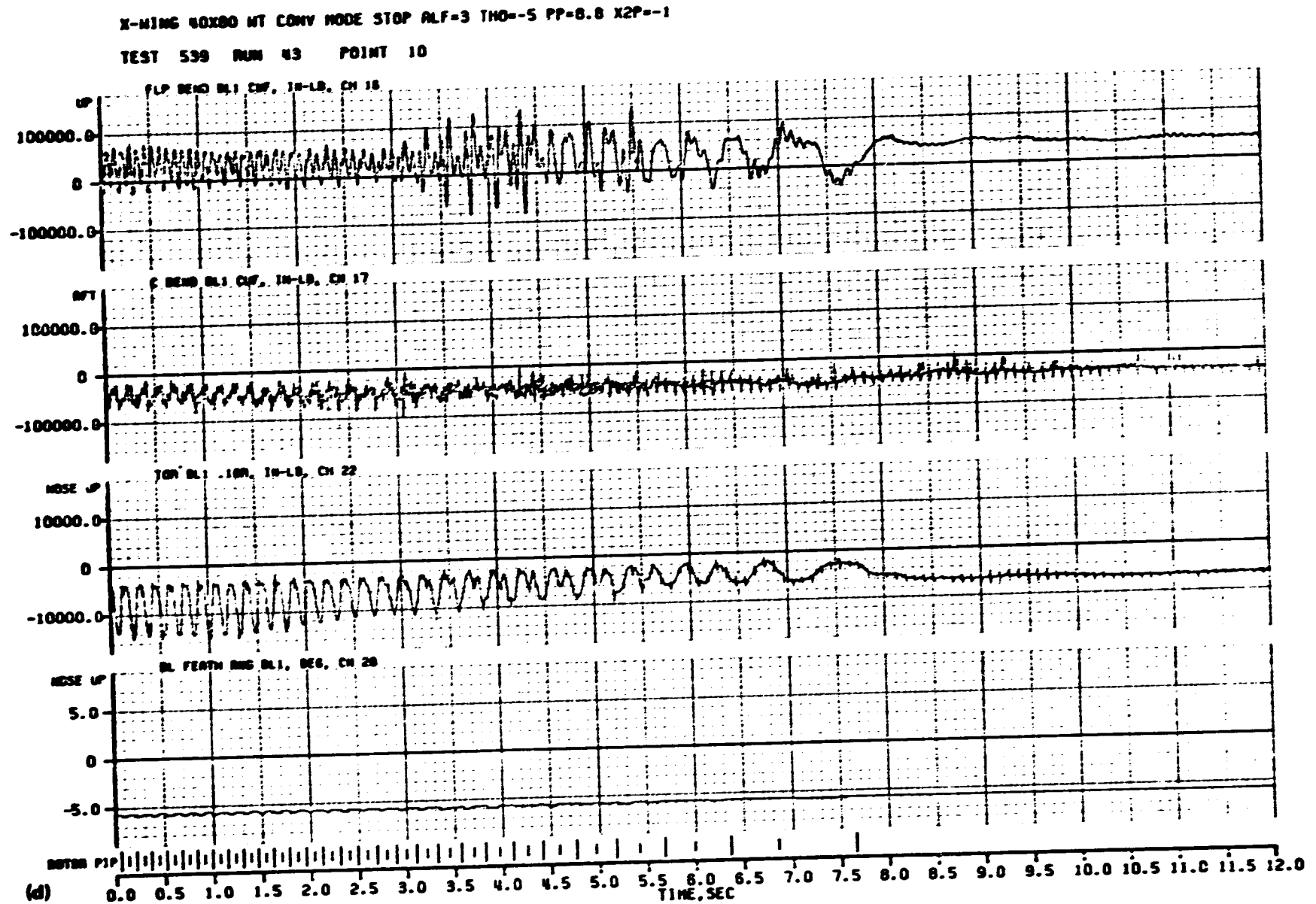


Figure 17.- Continued.

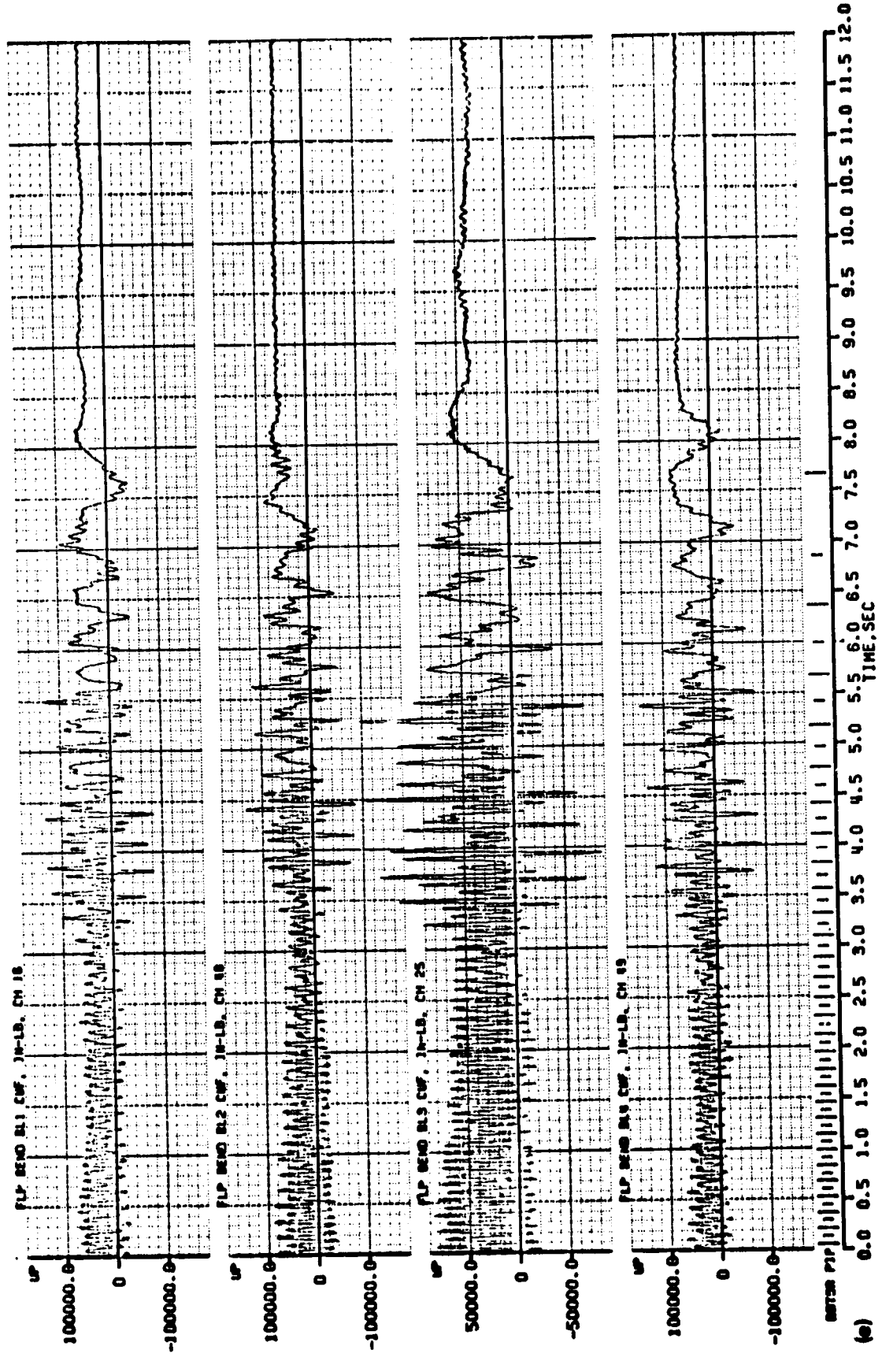


Figure 17.- Continued.

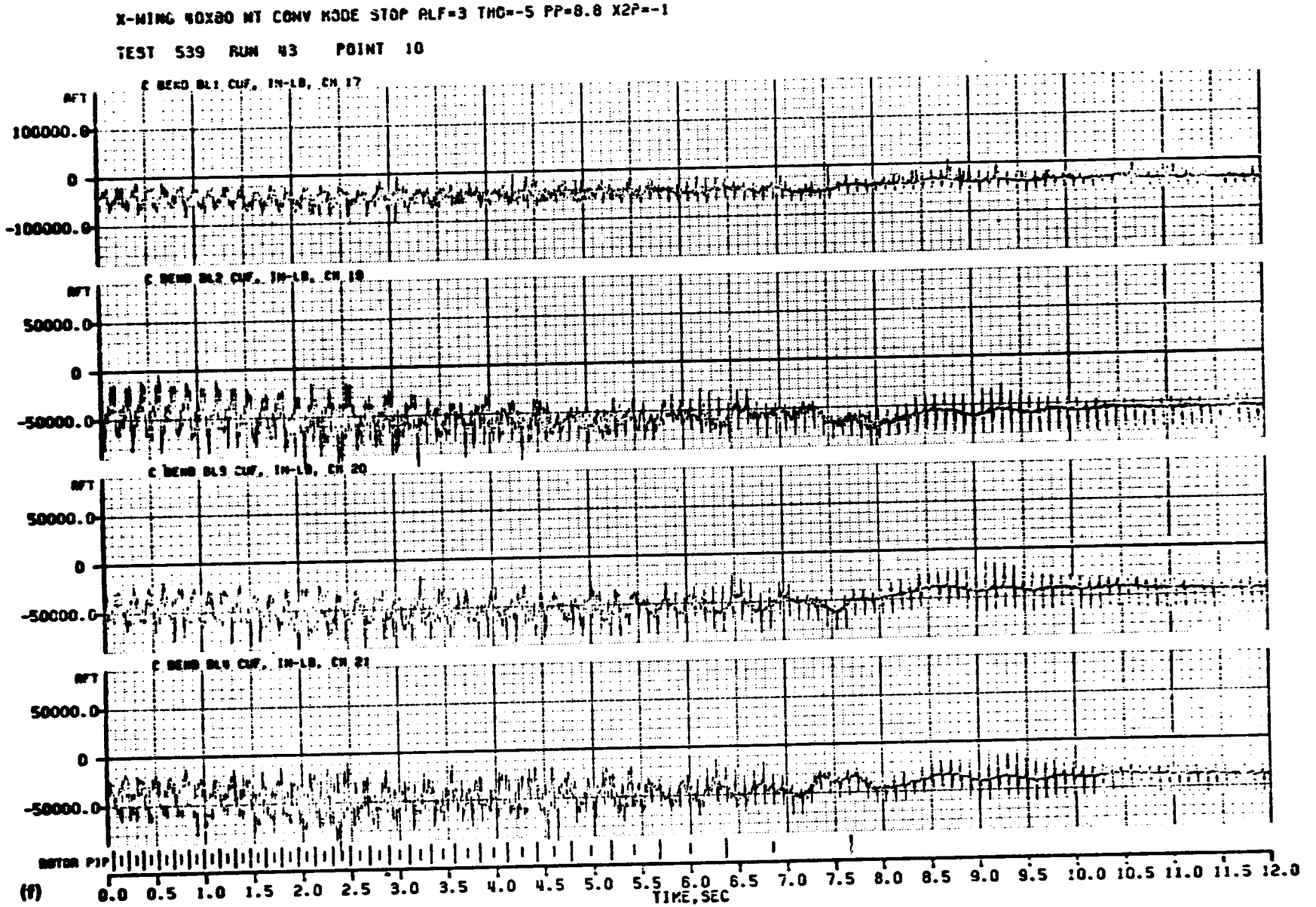


Figure 17.- Continued.

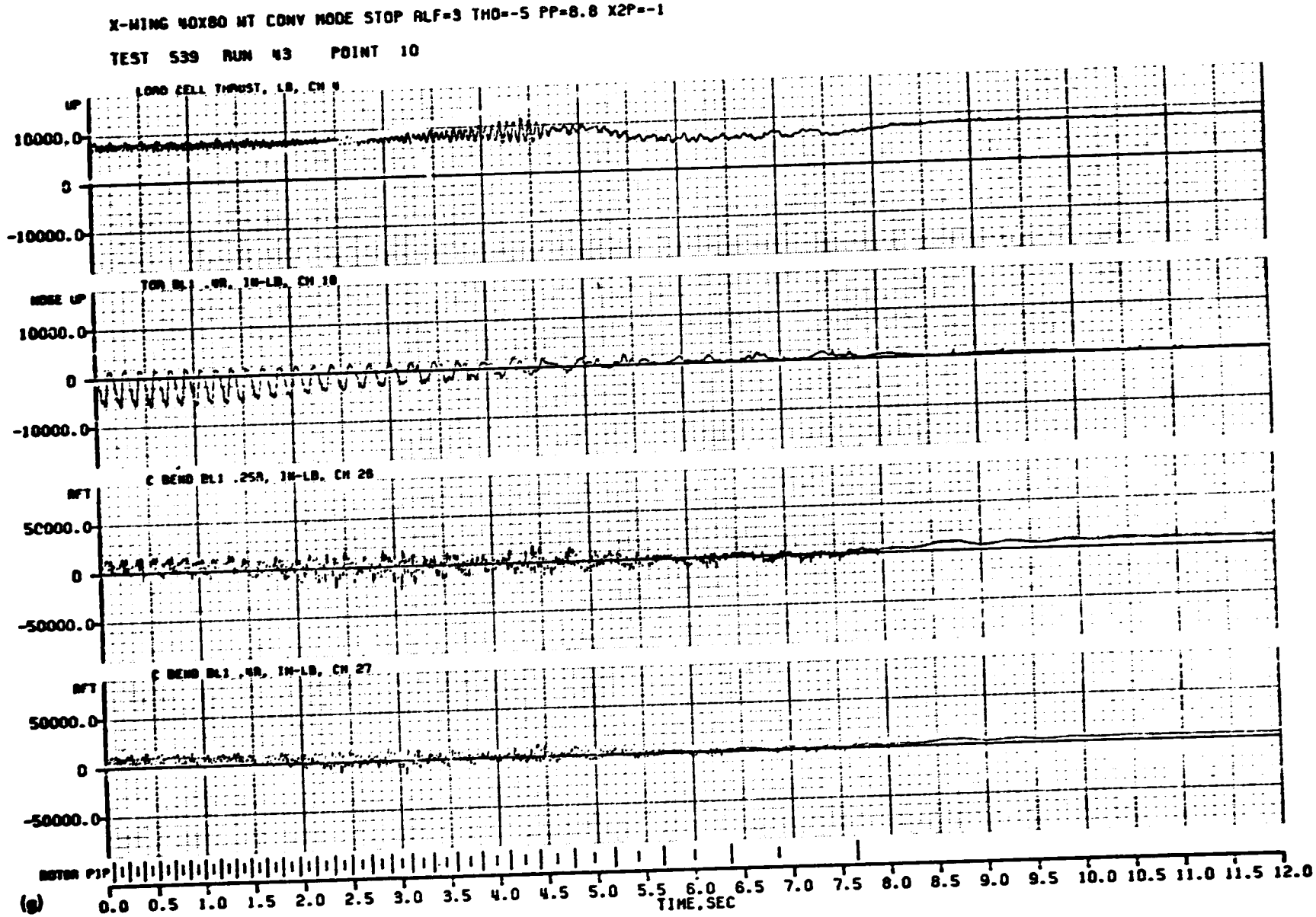


Figure 17.- Continued.

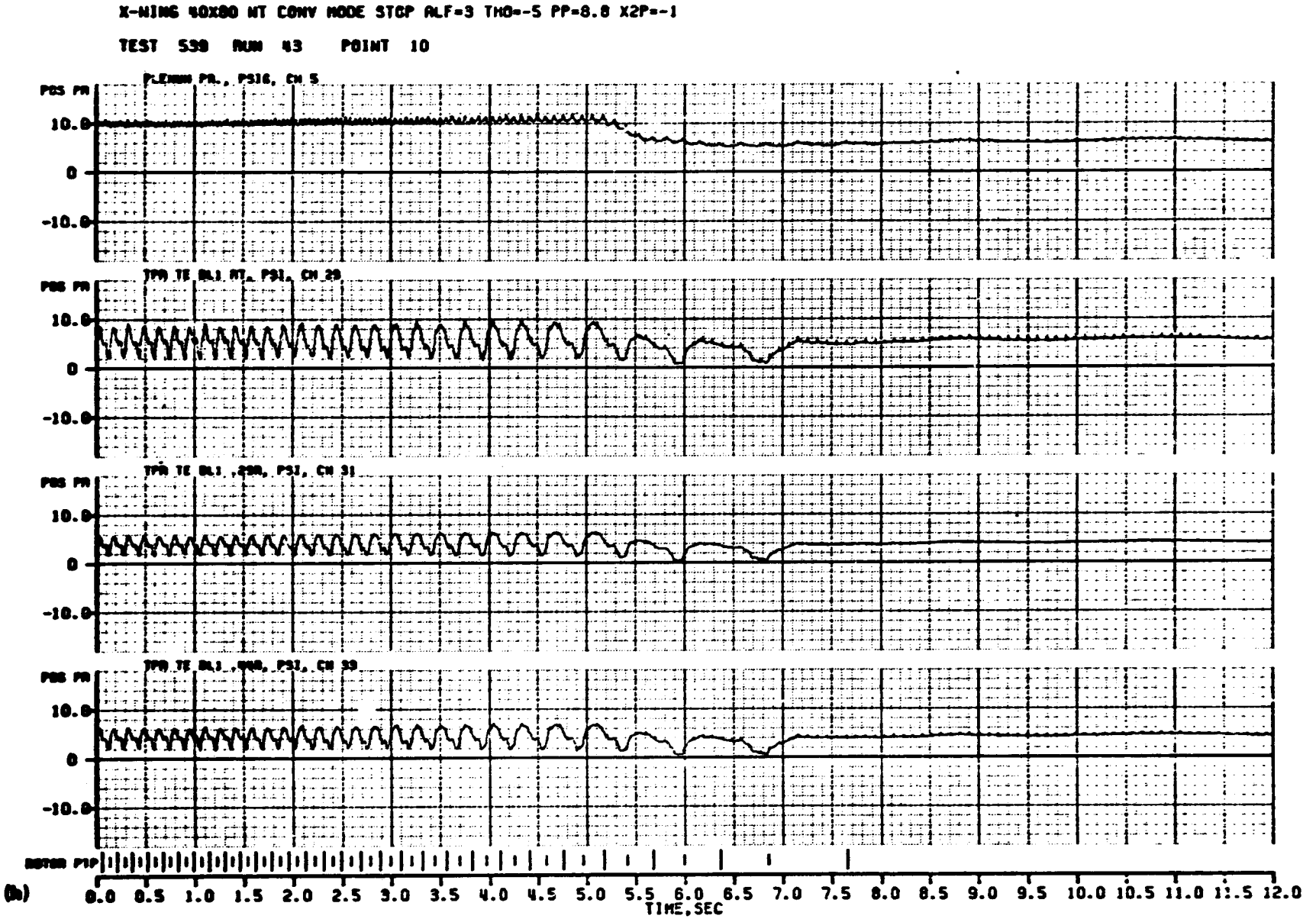
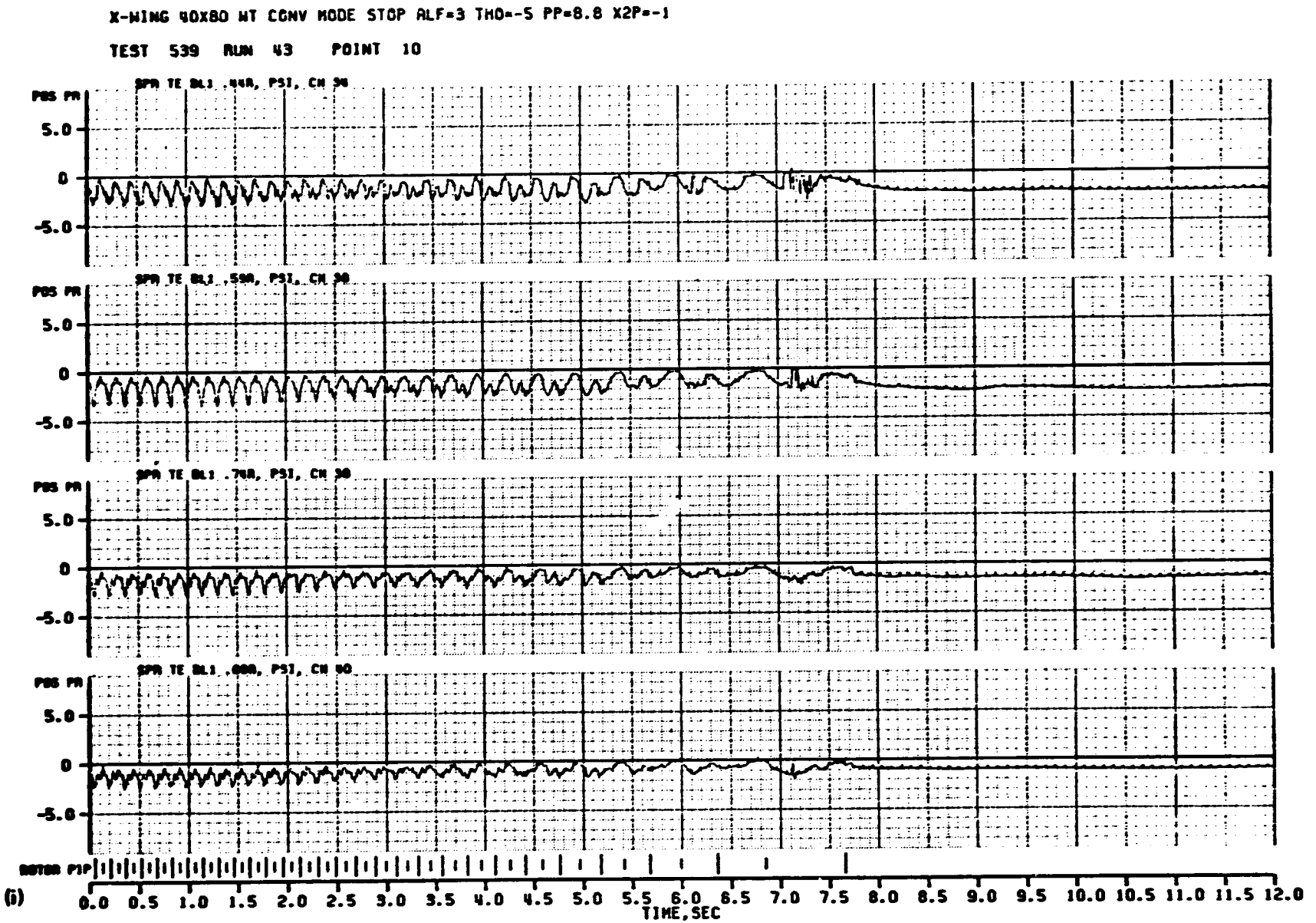


Figure 17.- Continued.



(i)

Figure 17.- Continued.

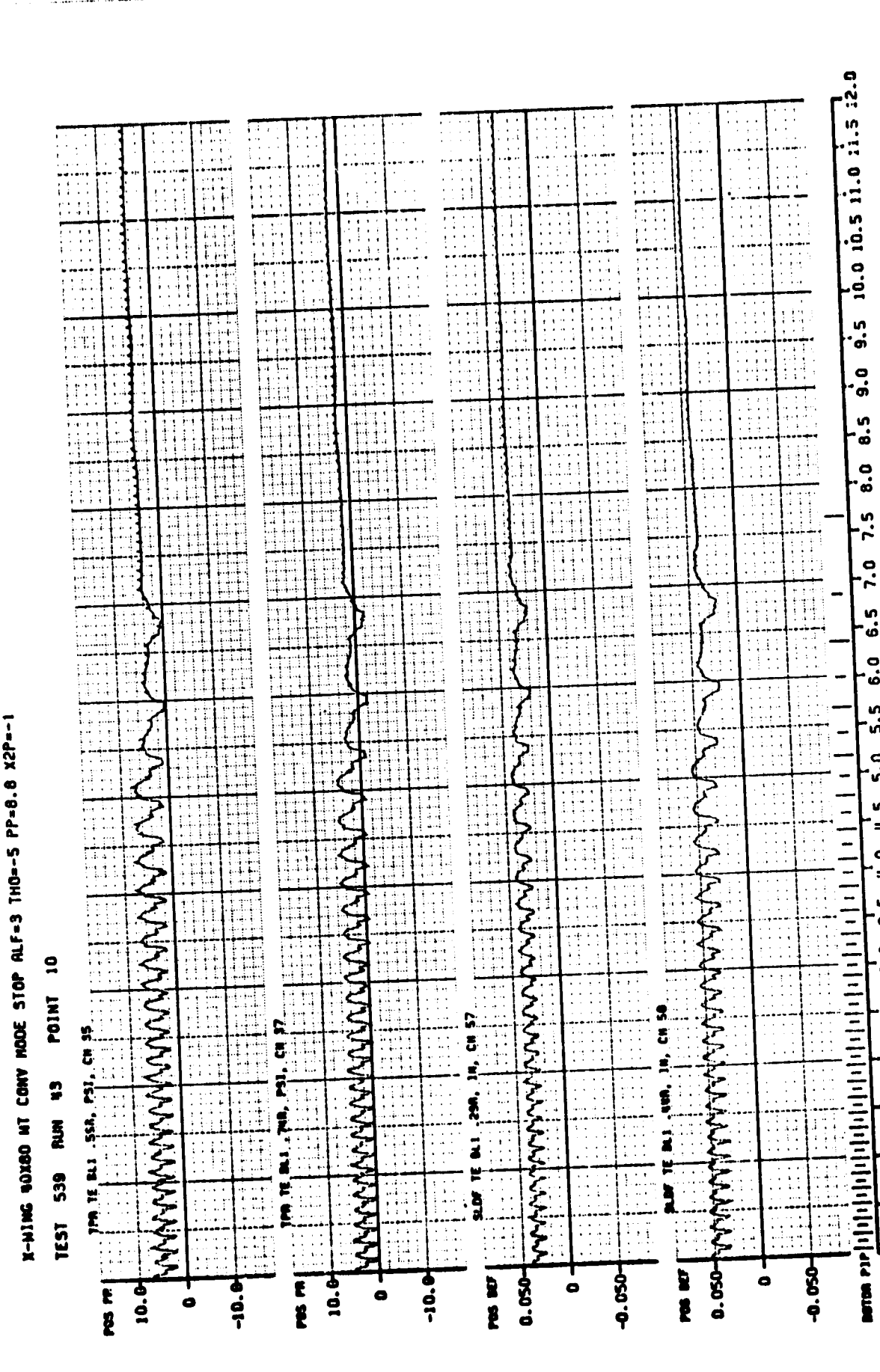


Figure 17.- Continued.

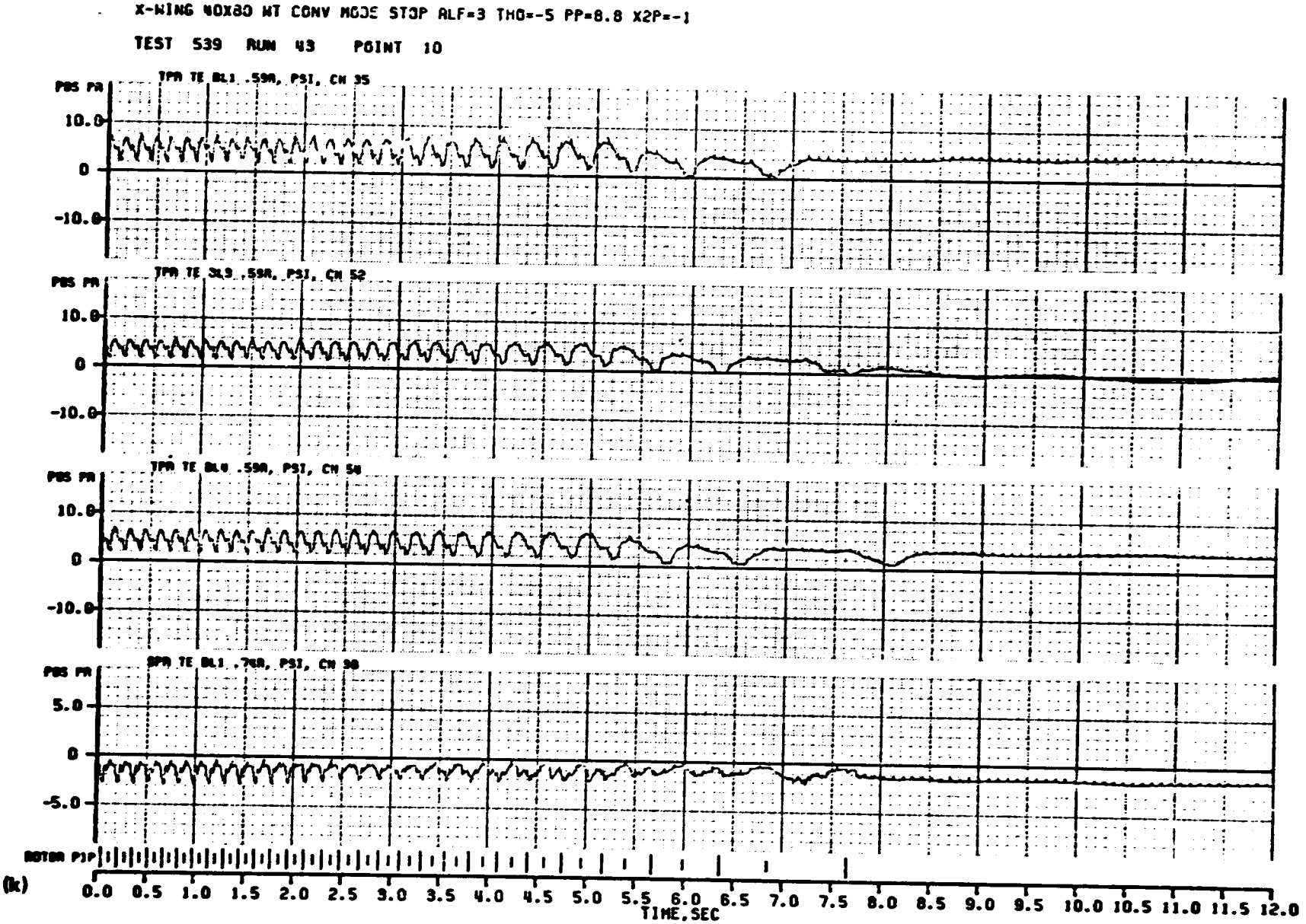


Figure 17.- Continued.

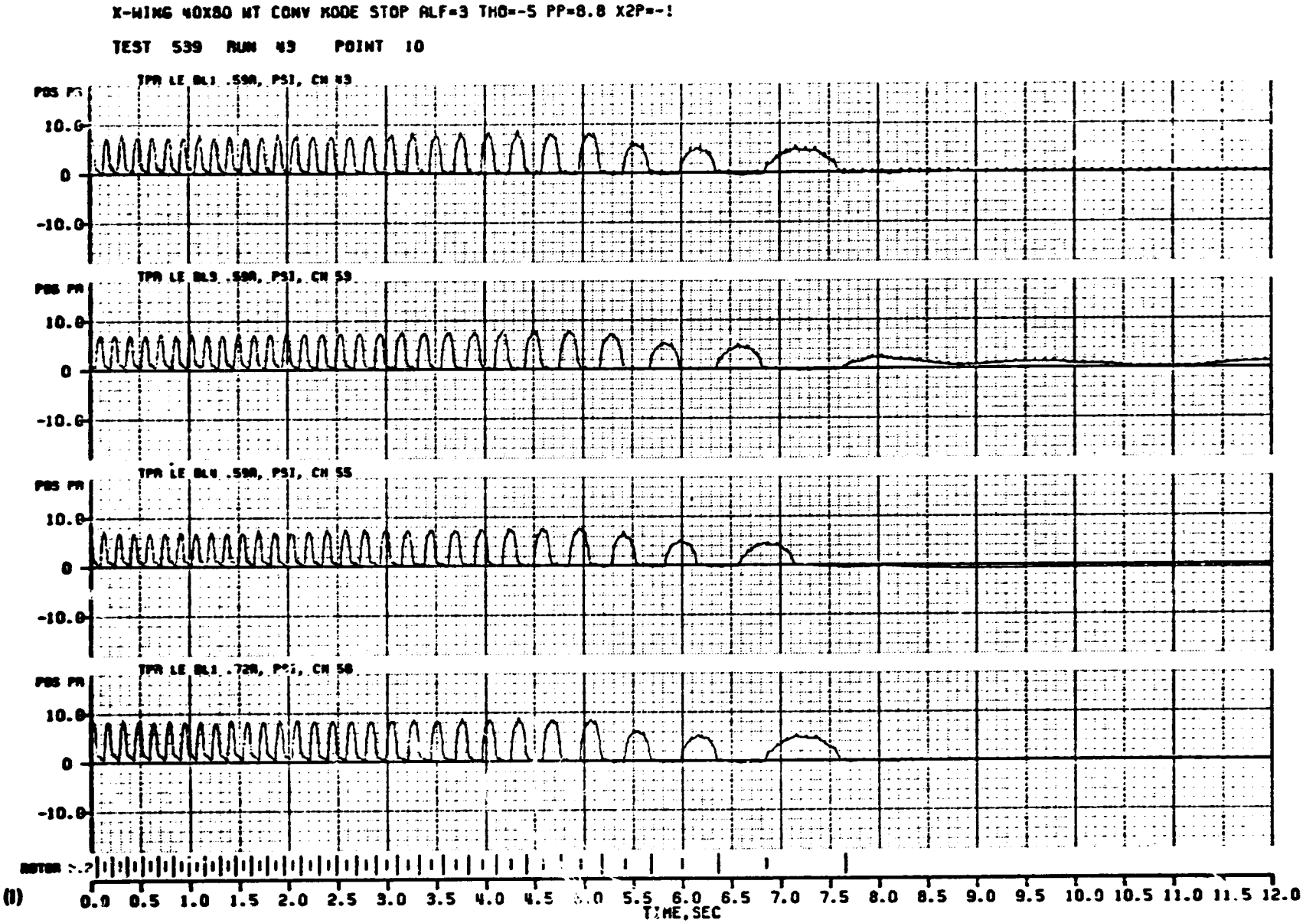


Figure 17.- Continued.

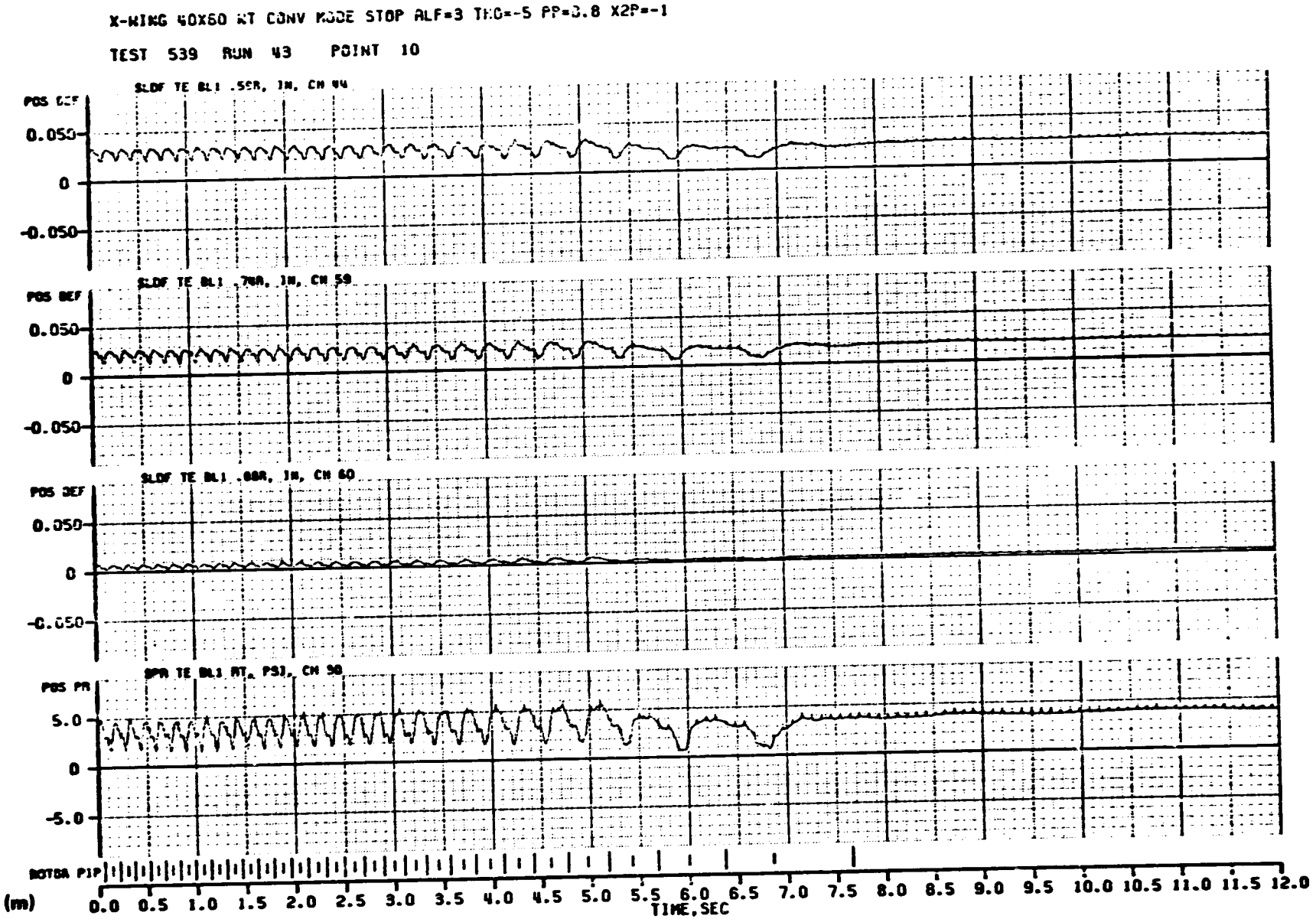
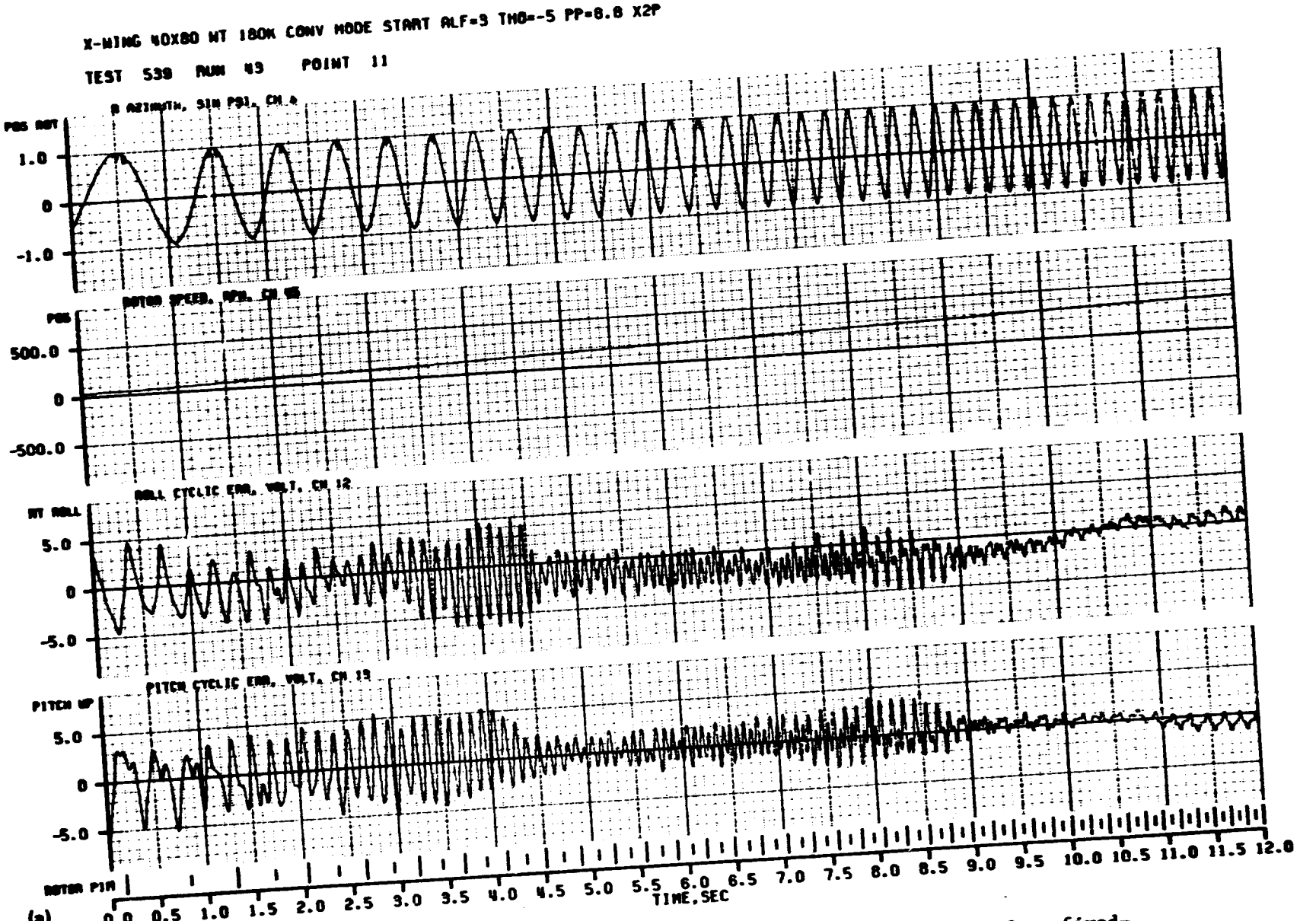


Figure 17.- Concluded.



(a)

Figure 18.- Time history of run 43, data point 11, rotor transient from fixed-wing to rotary-wing.

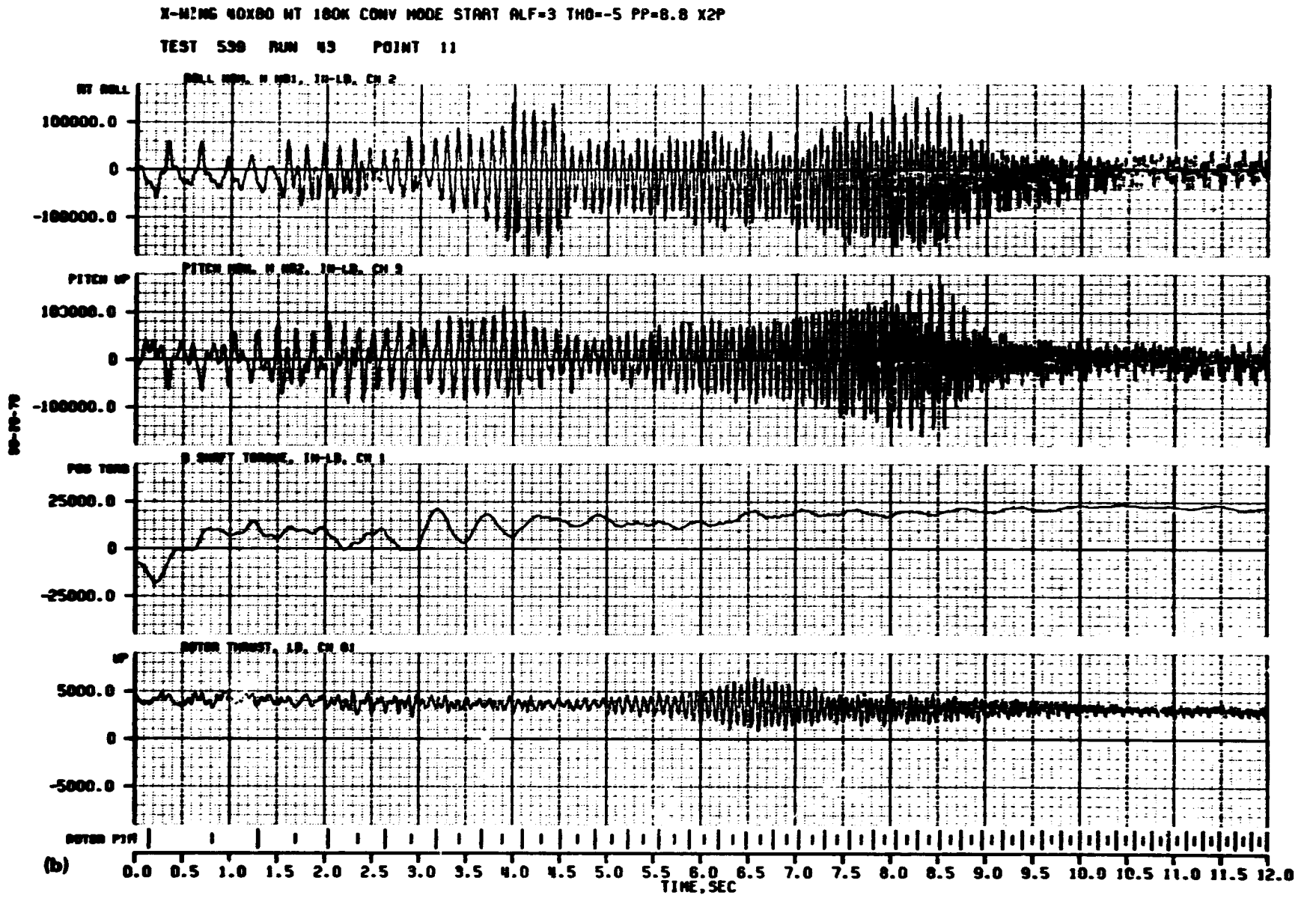
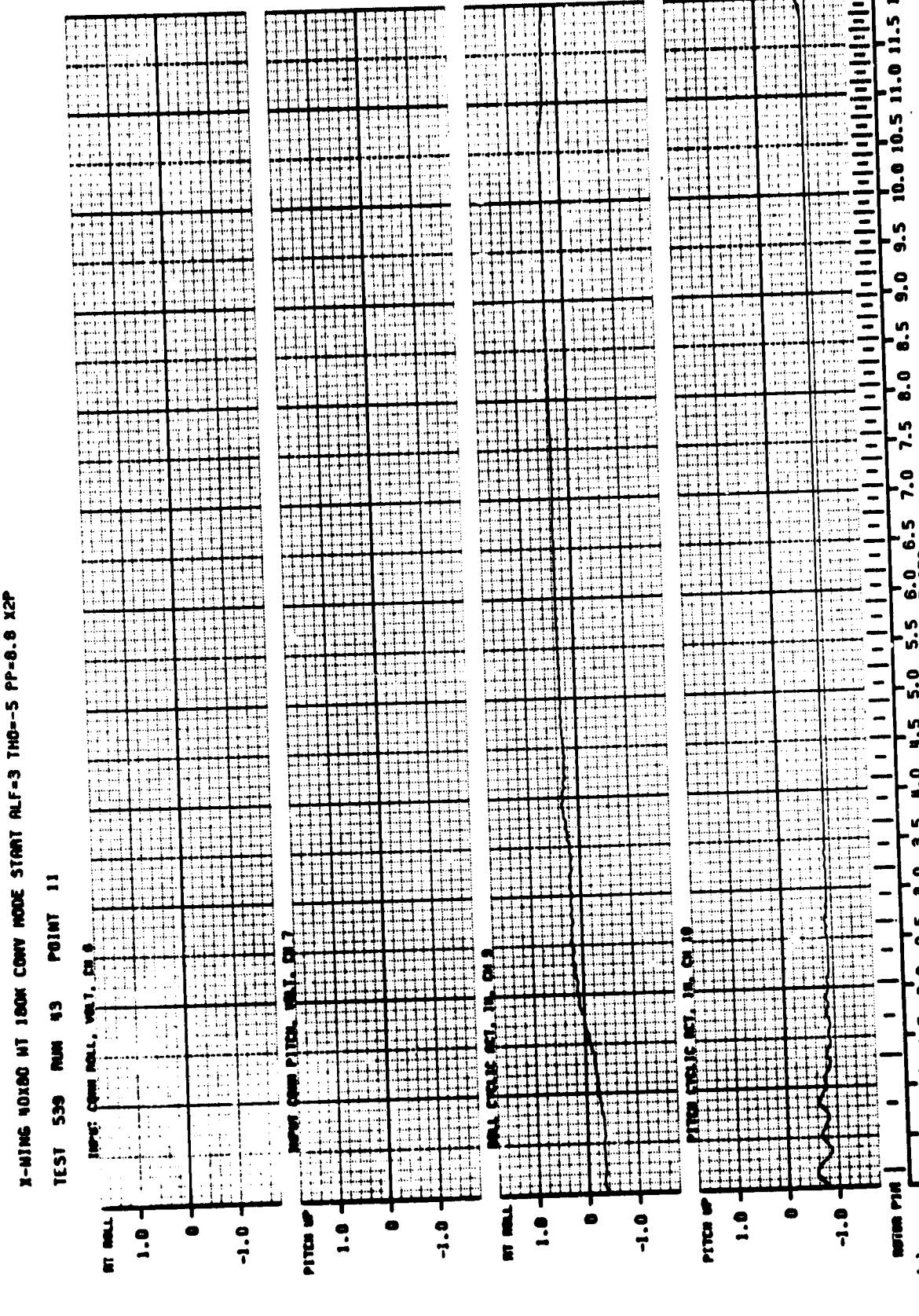
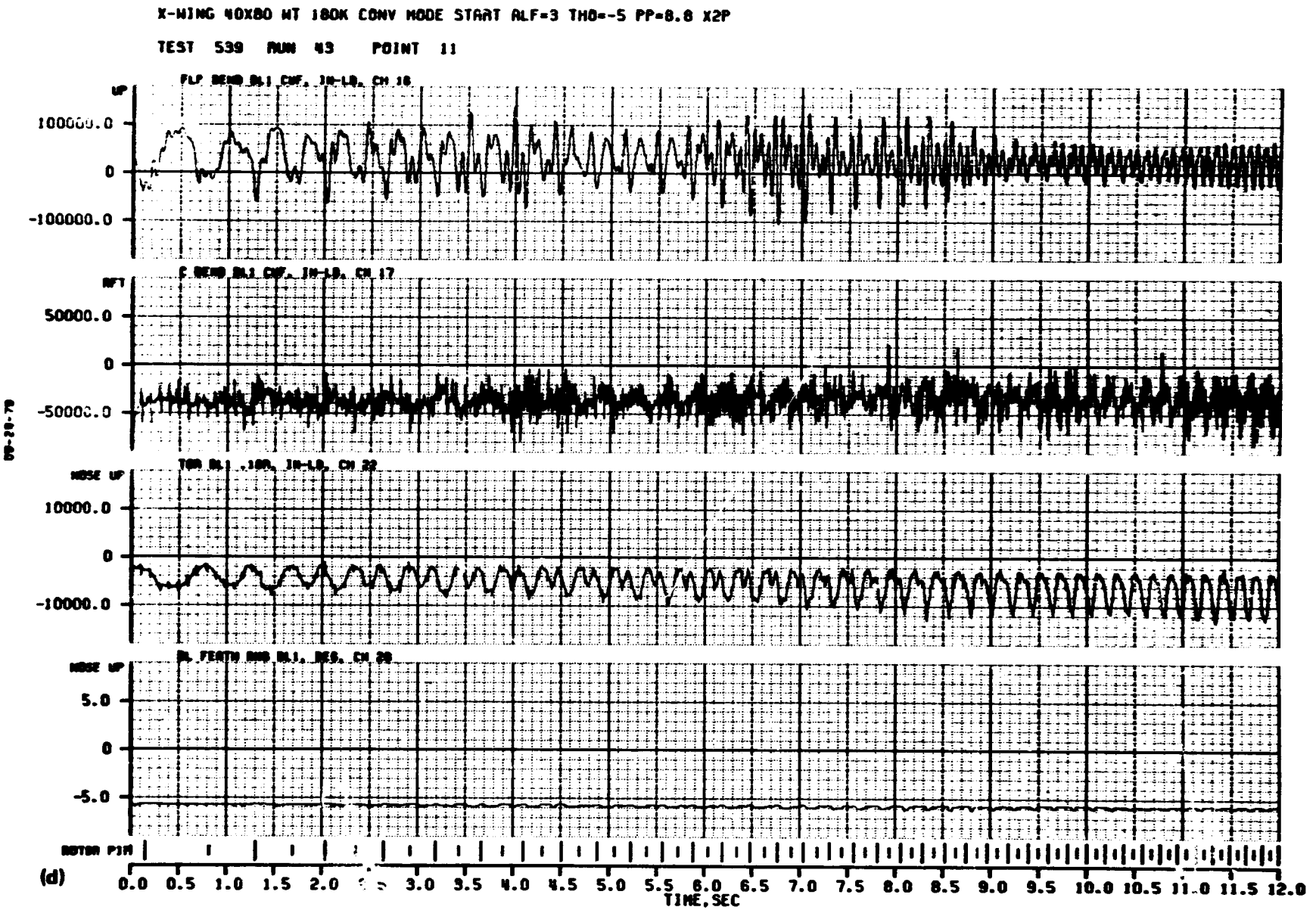


Figure 18.- Continued.



(c)

Figure 18.- Continued.



(d)

Figure 18.- Continued.

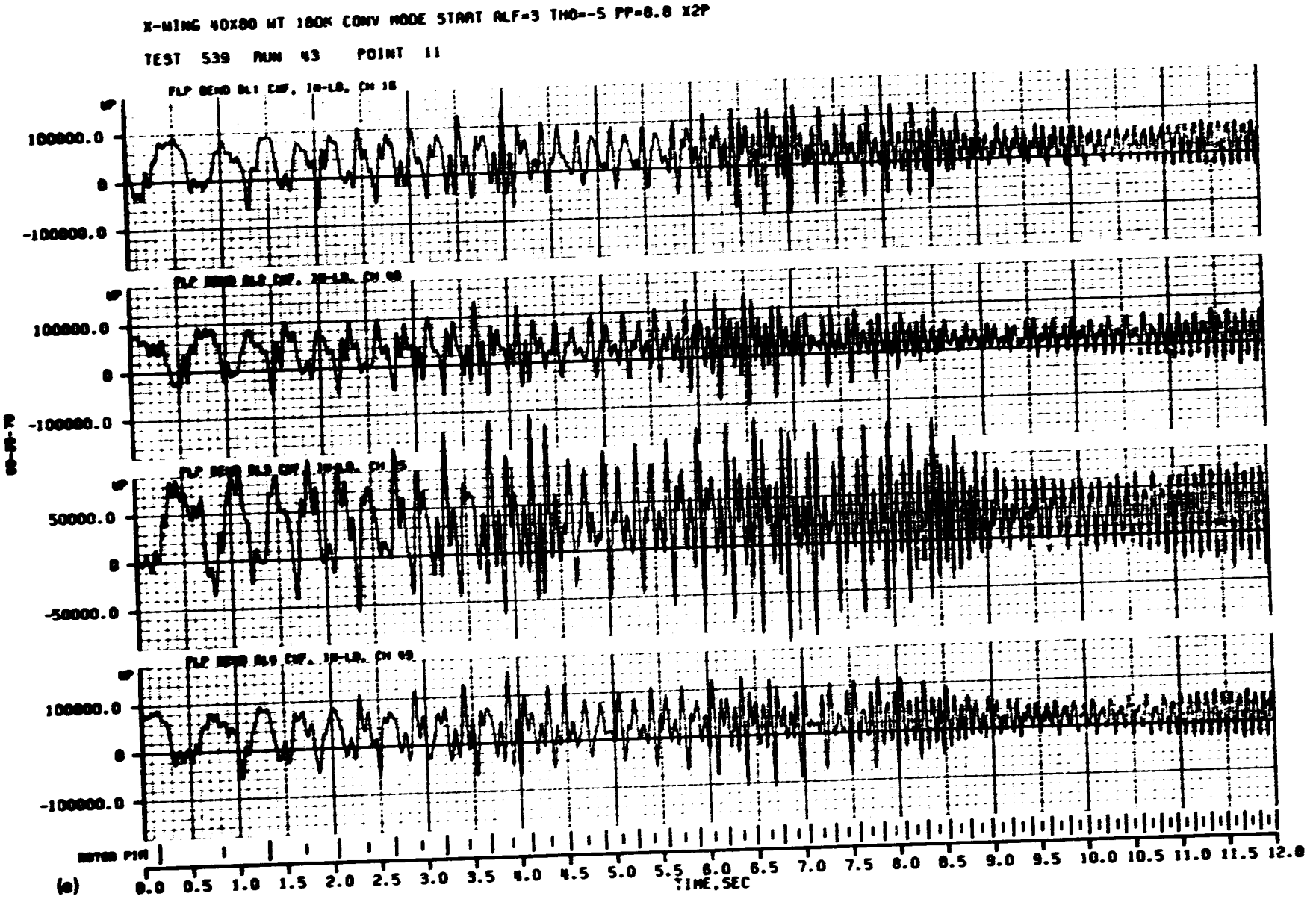
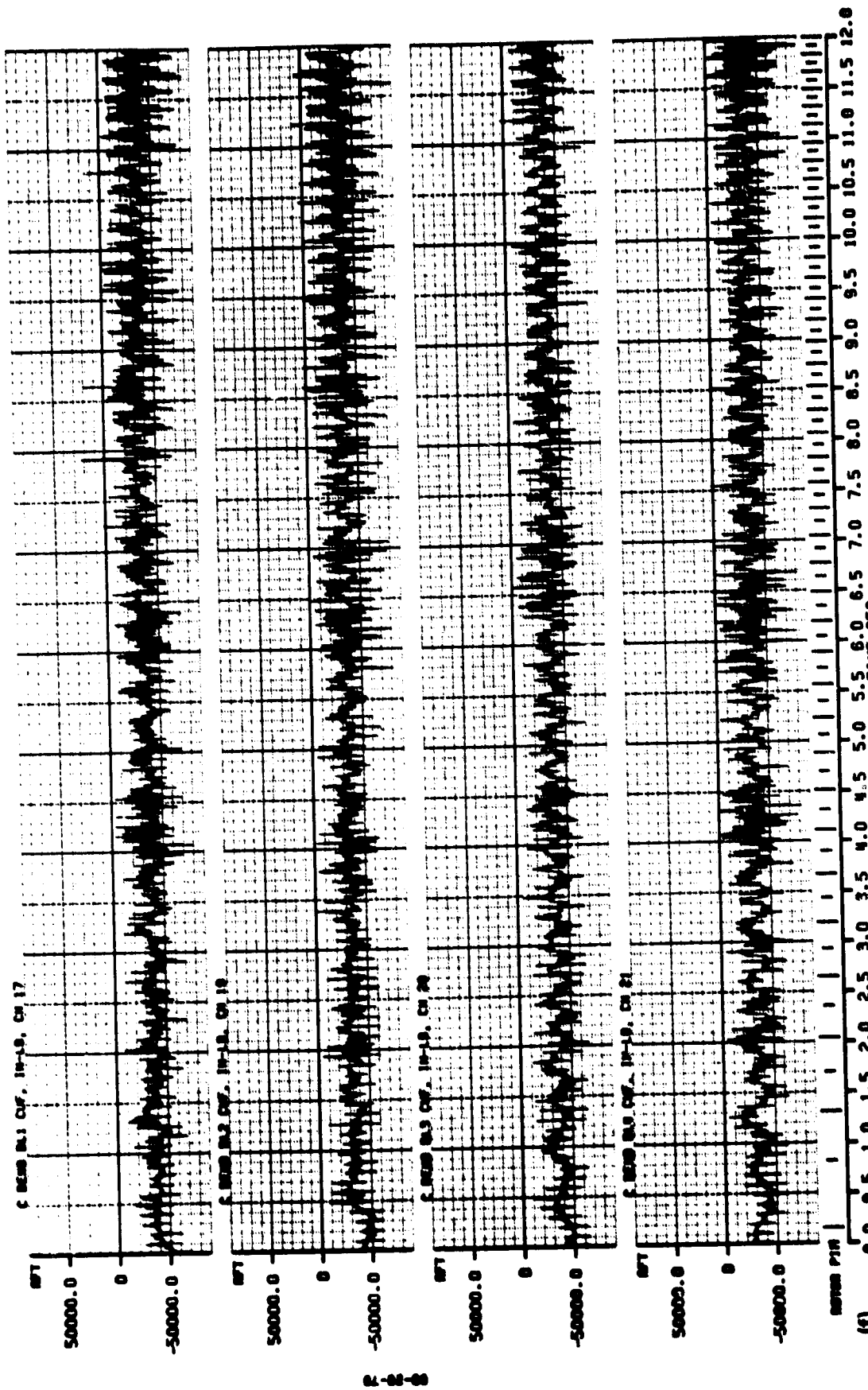


Figure 18.- Continued.



(f)

Figure 18.- Continued.

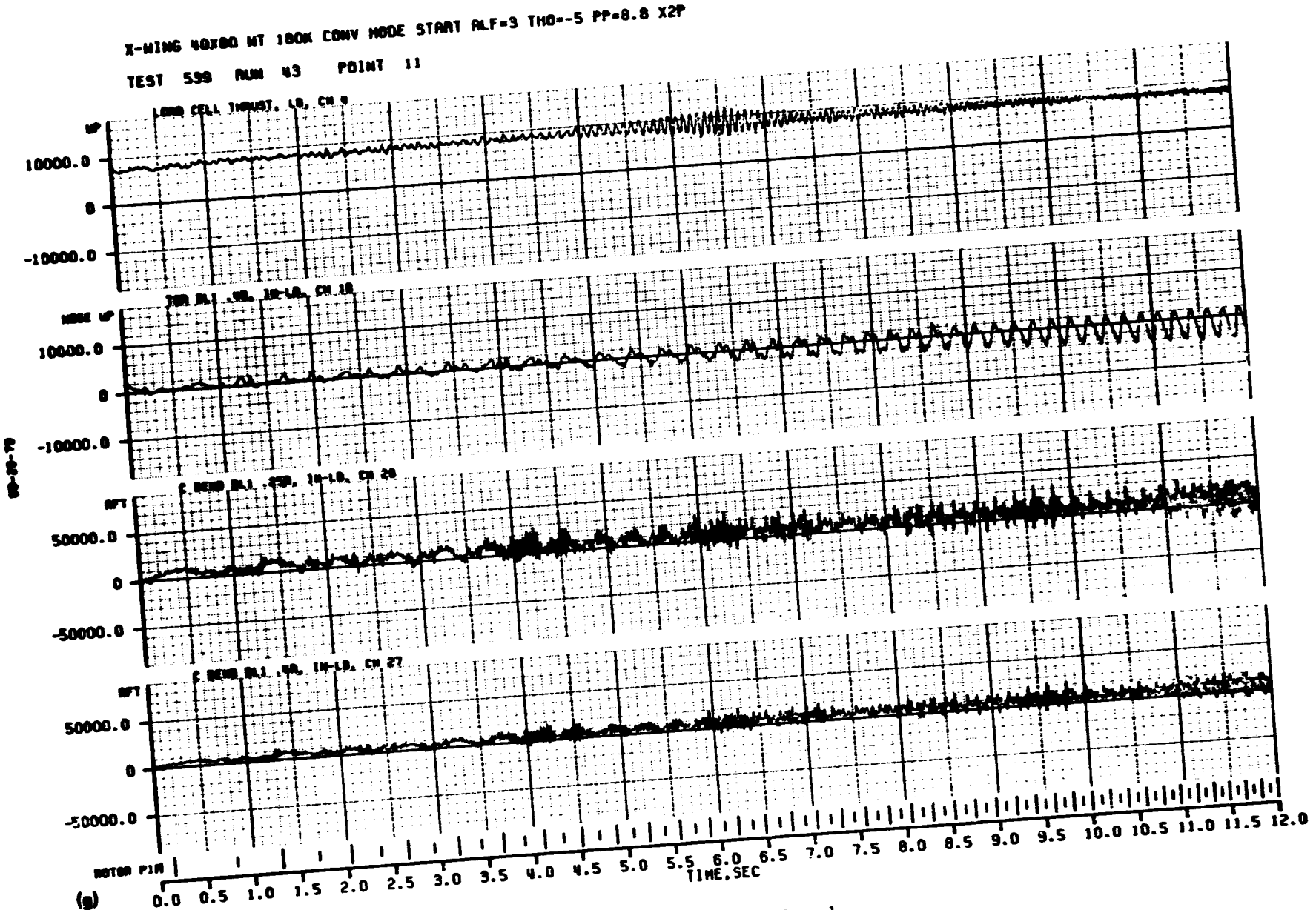


Figure 18.- Continued.

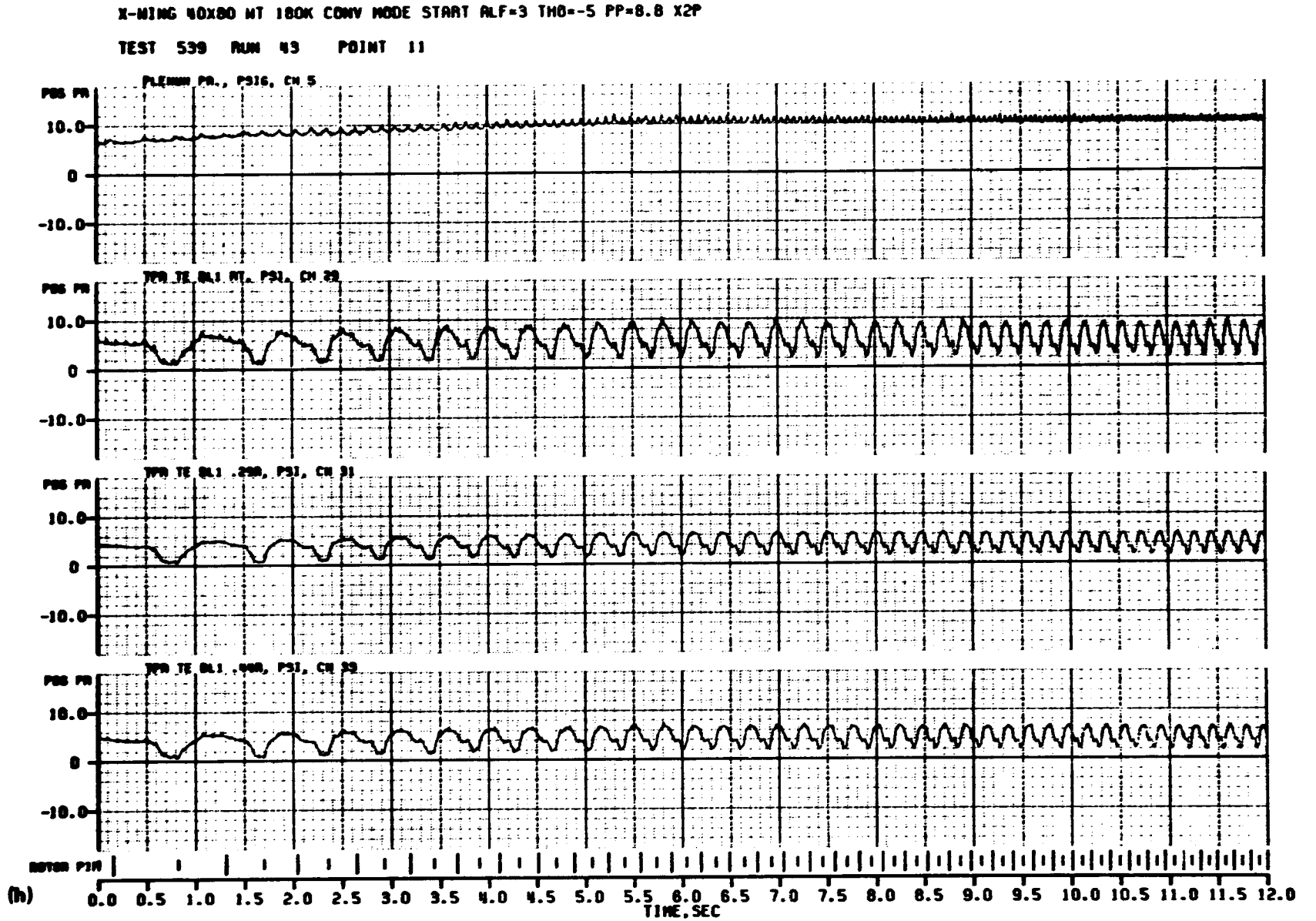
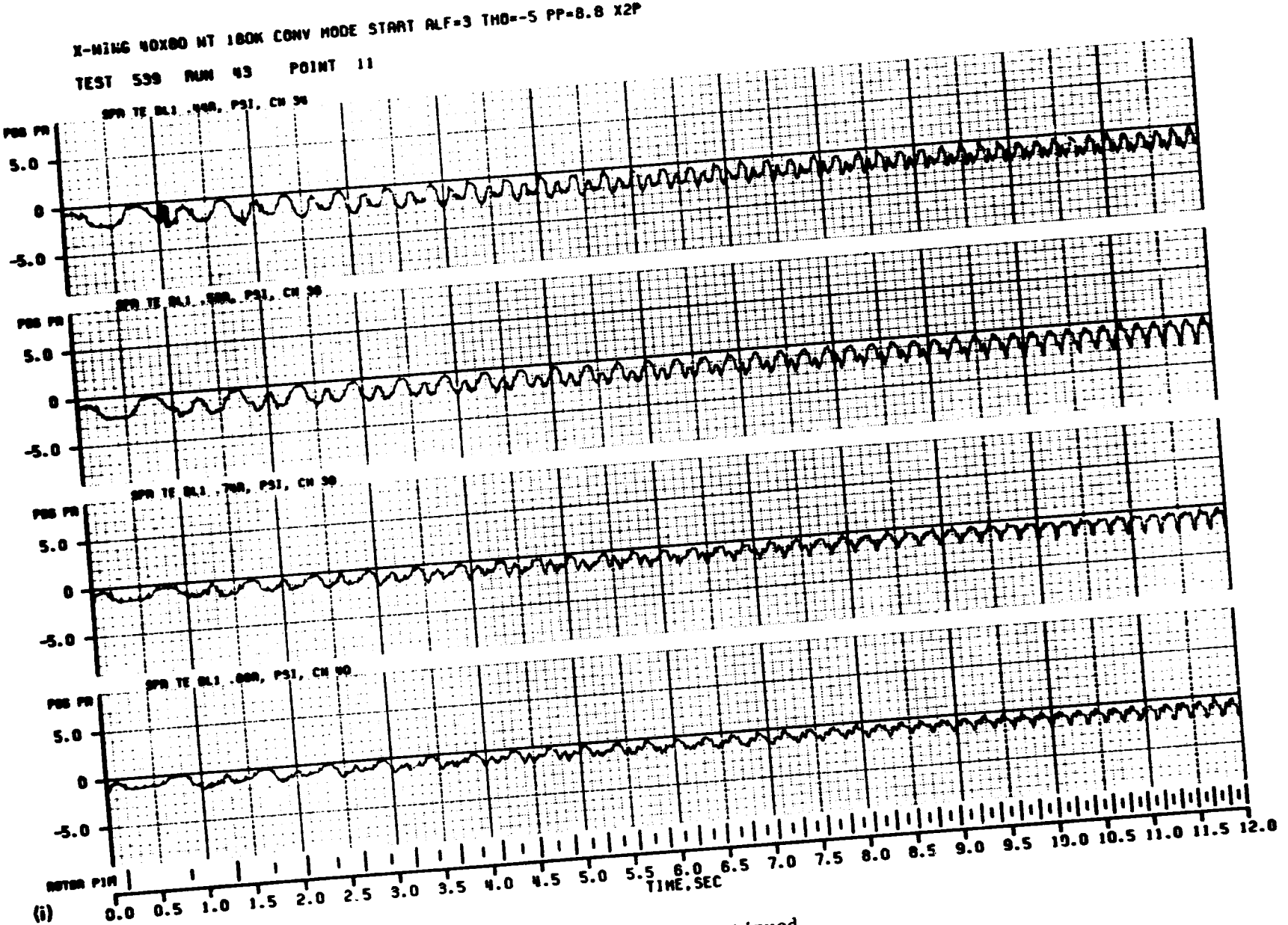
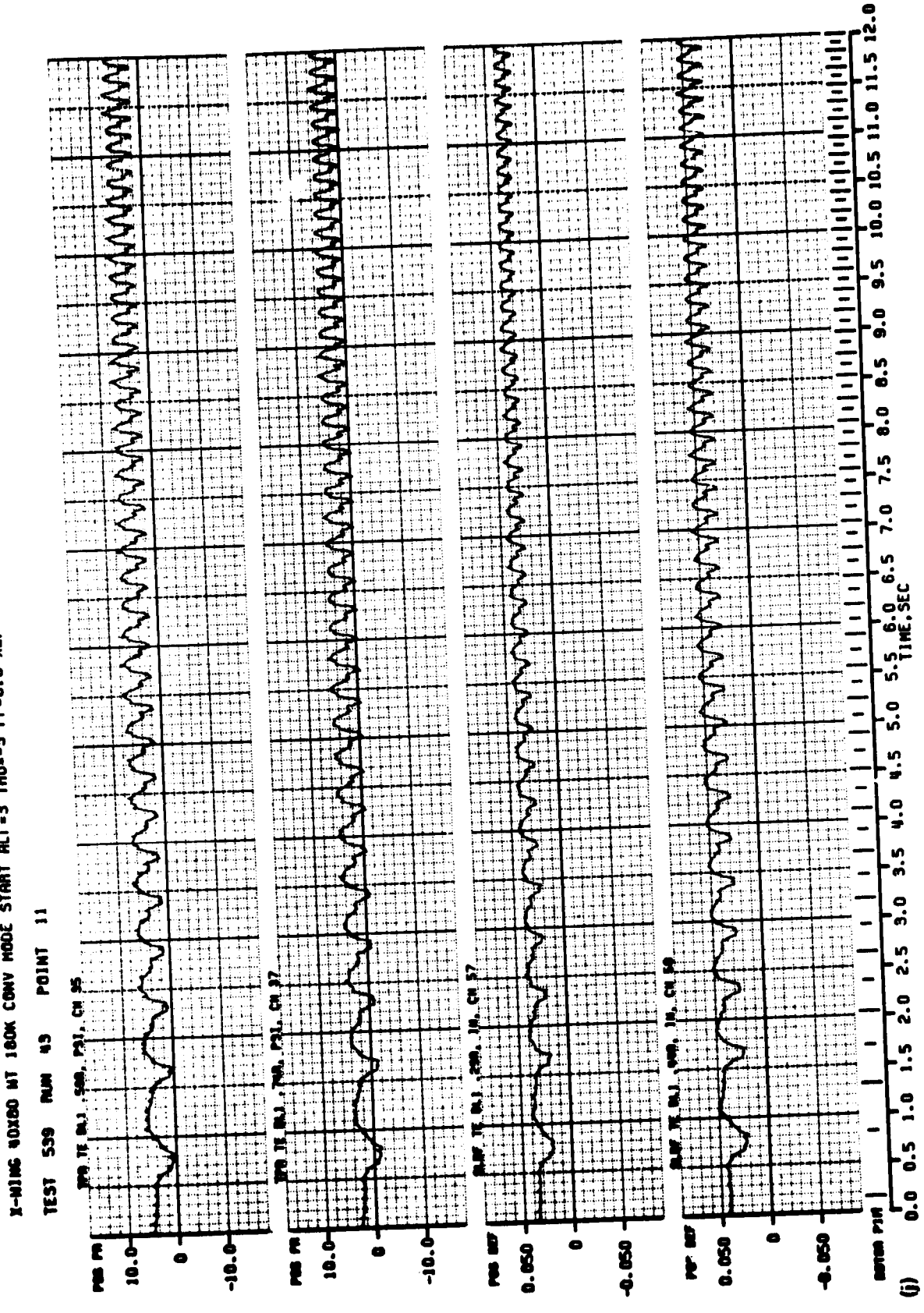


Figure 18.- Continued.



(i)

Figure 18.- Continued.



(j)

Figure 18.- Continued.

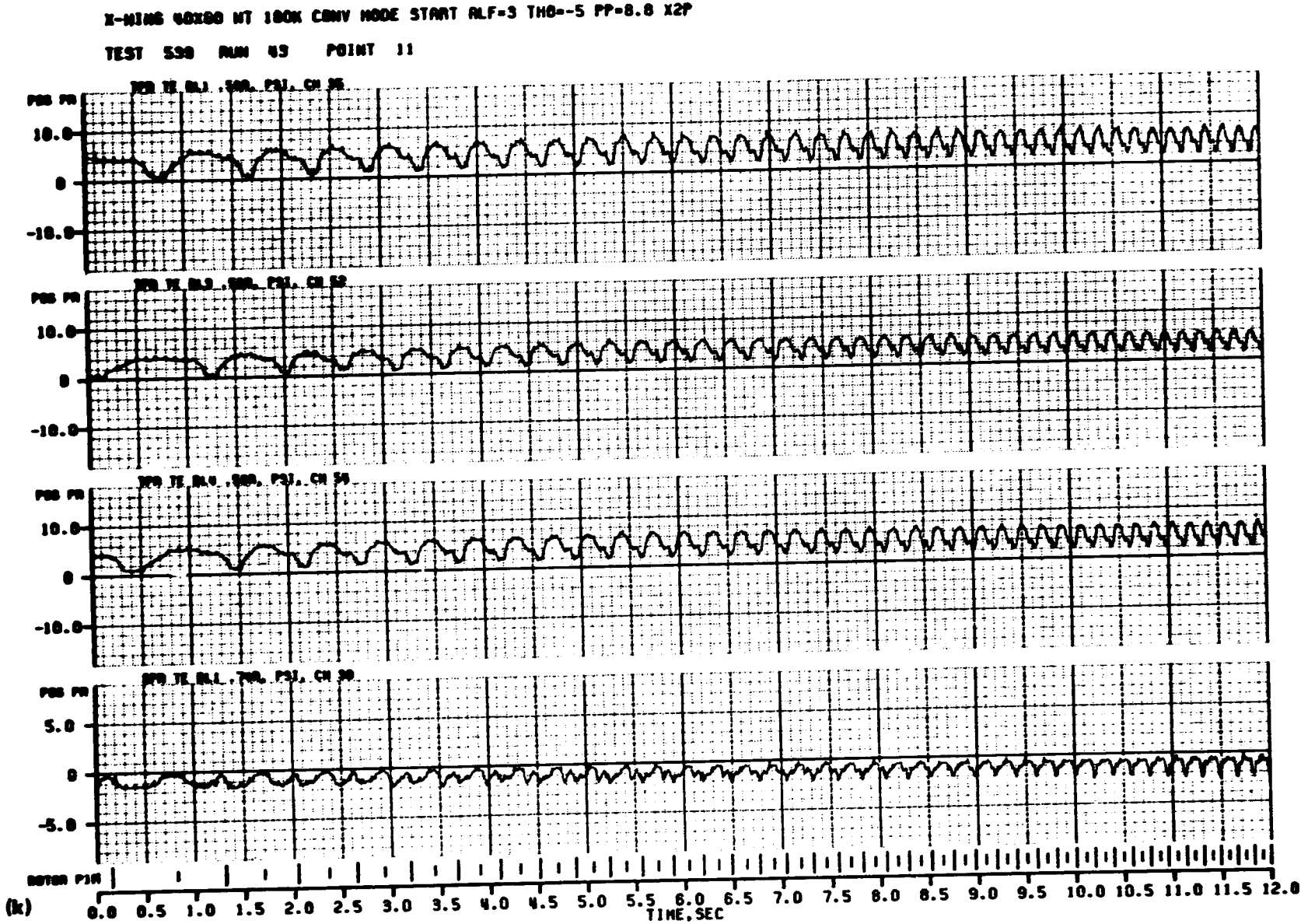


Figure 18.- Continued.

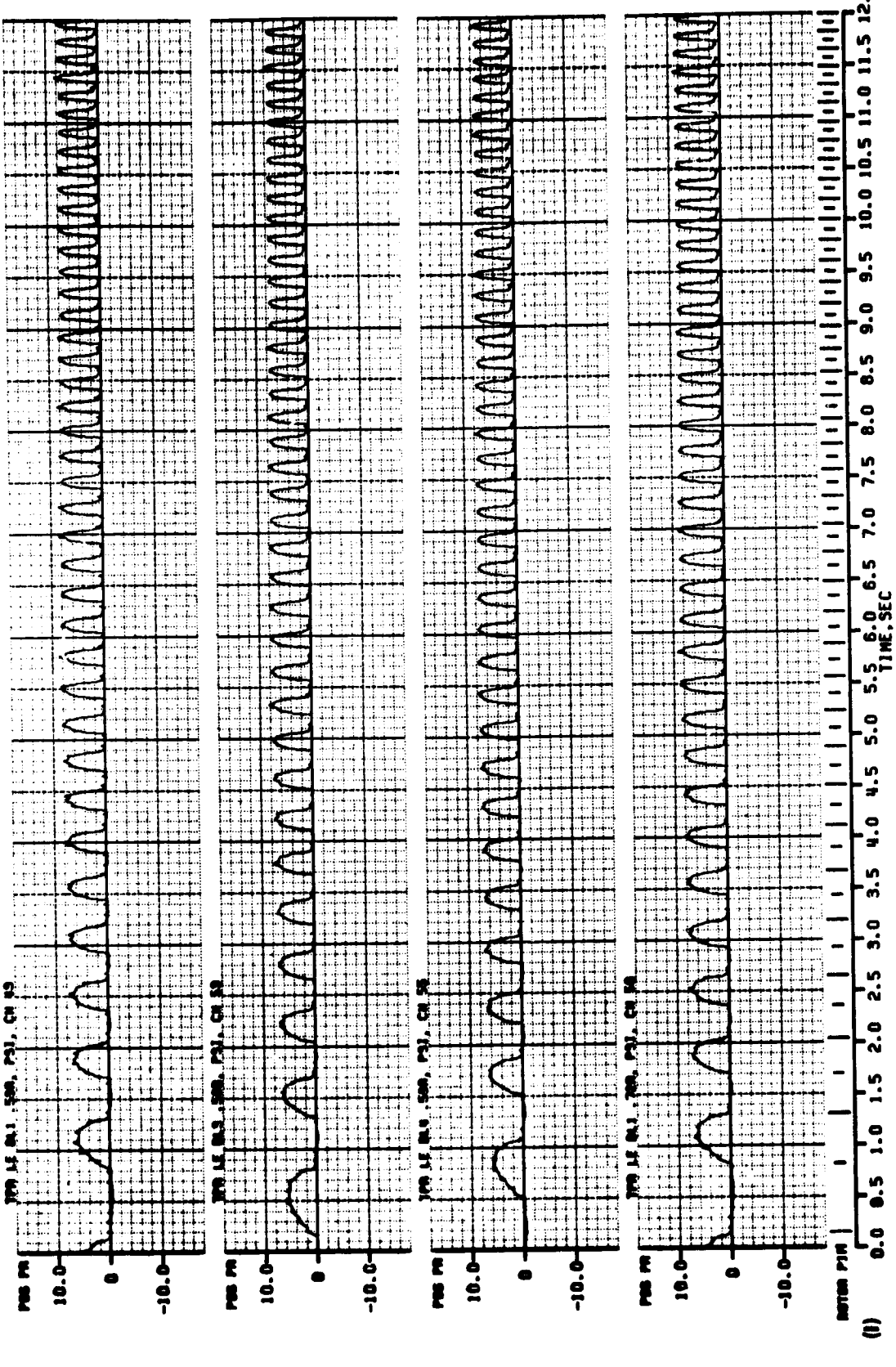


Figure 18.- Continued.

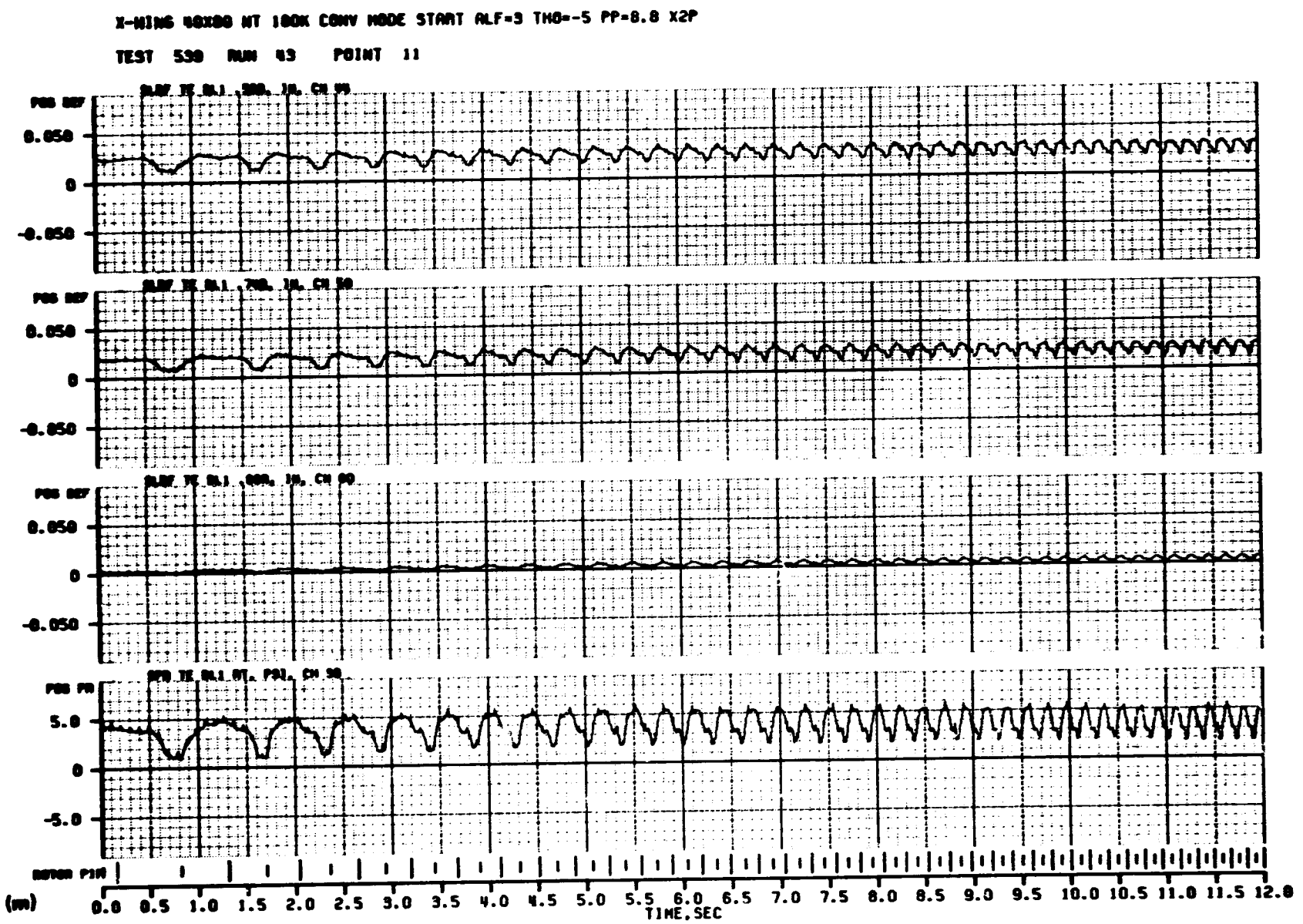


Figure 18.- Concluded.

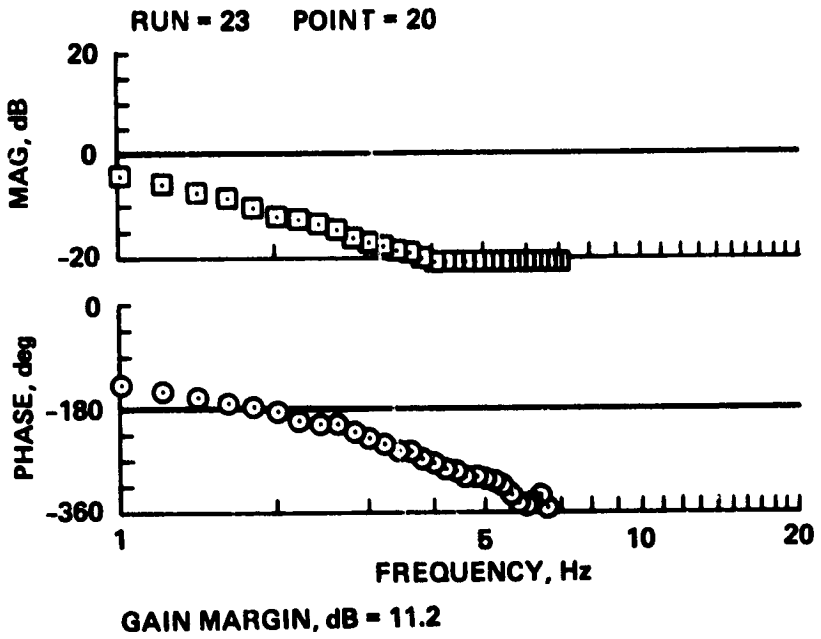


Figure 19.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Pitch loop stability measurement with roll loop open.

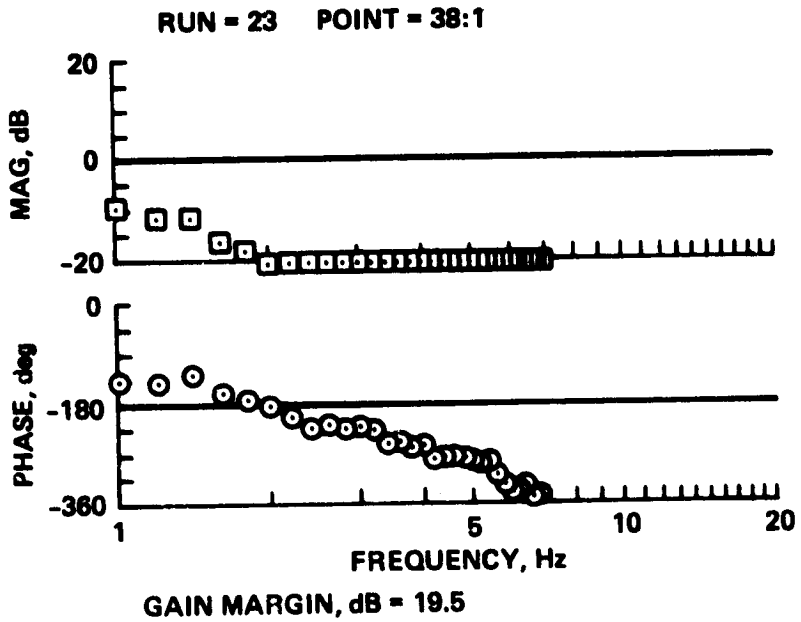


Figure 20.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with pitch loop open.

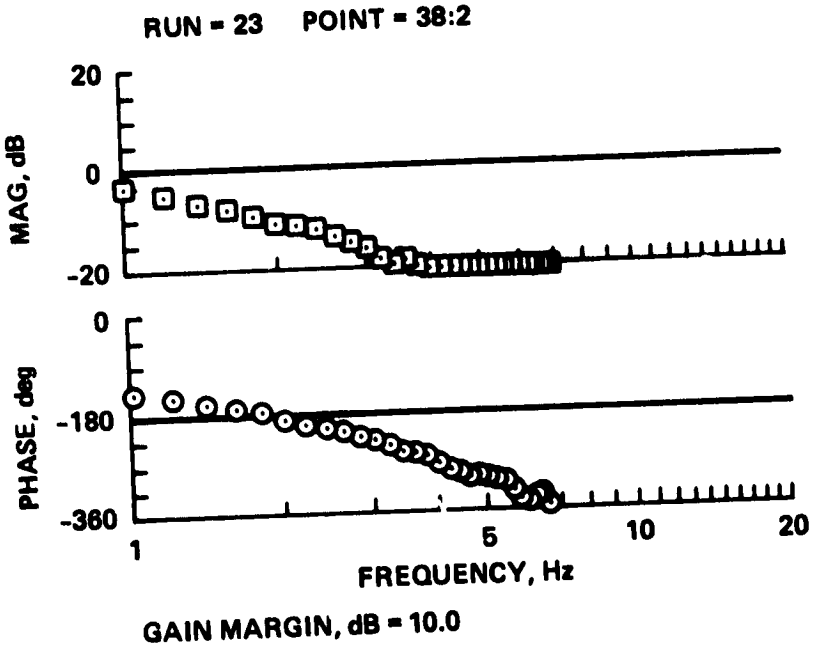


Figure 21.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Pitch loop stability measurement with roll loop open.

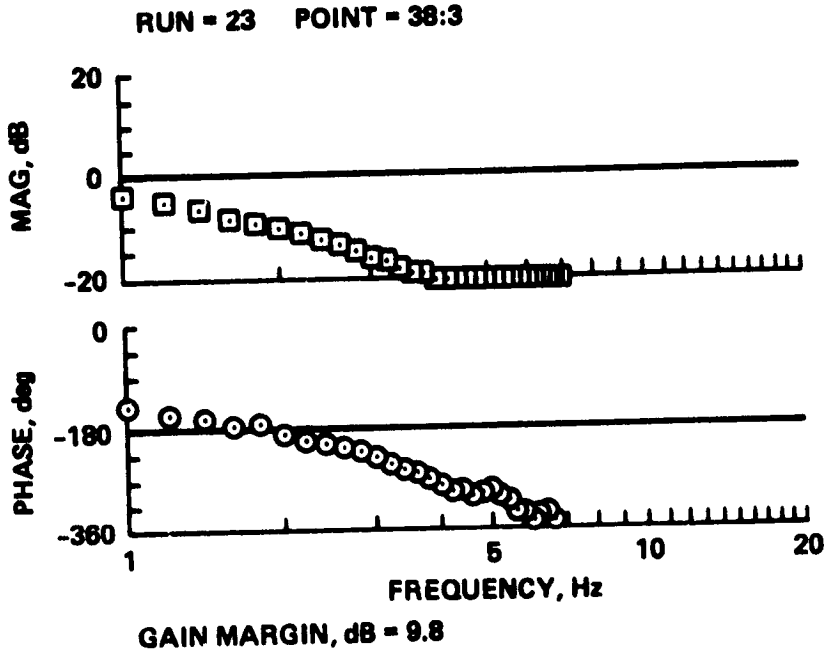


Figure 22.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Pitch loop stability measurement with roll loop closed.

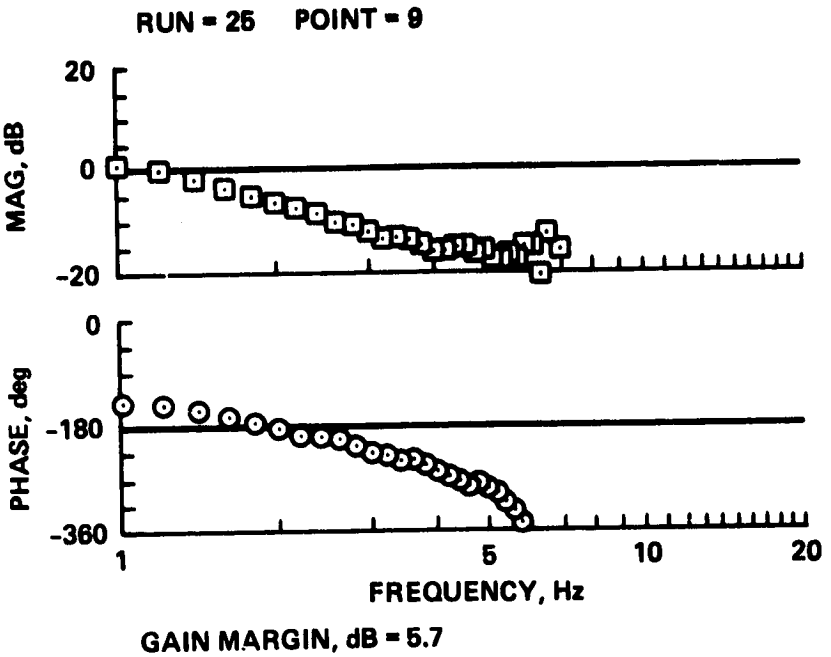


Figure 23.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

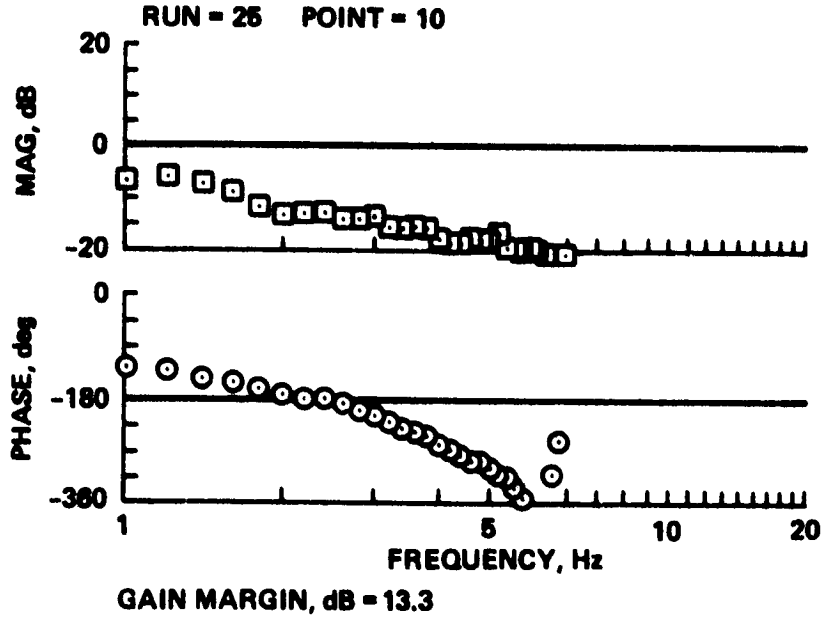


Figure 24.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

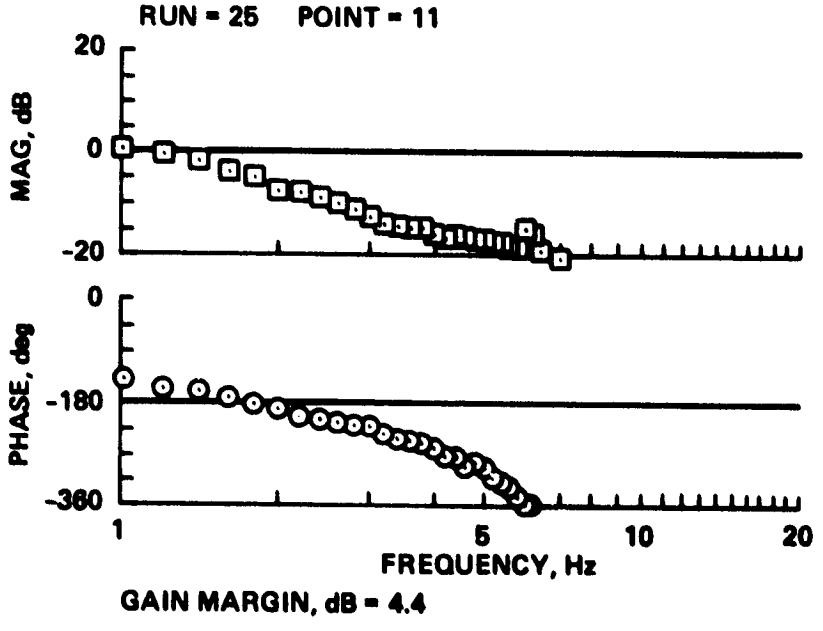


Figure 25.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop closed.

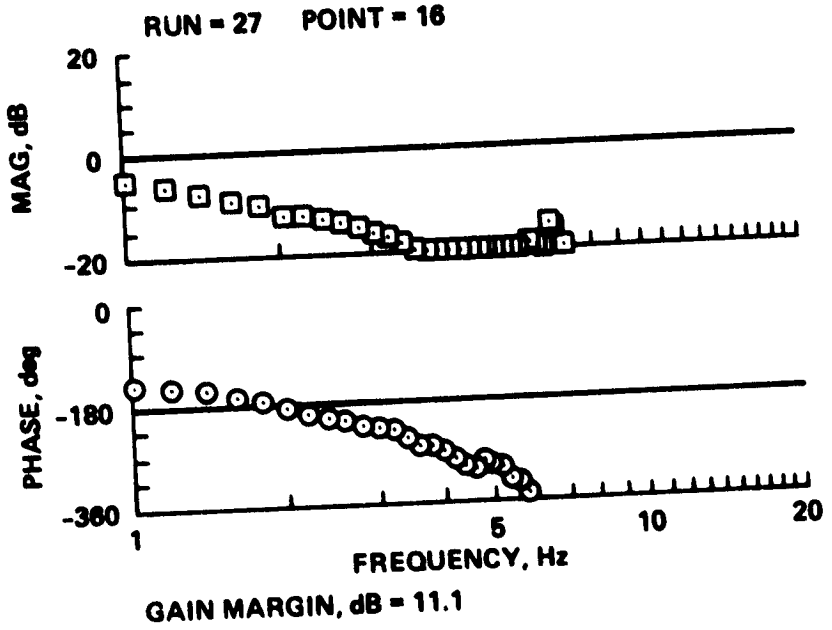


Figure 26.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

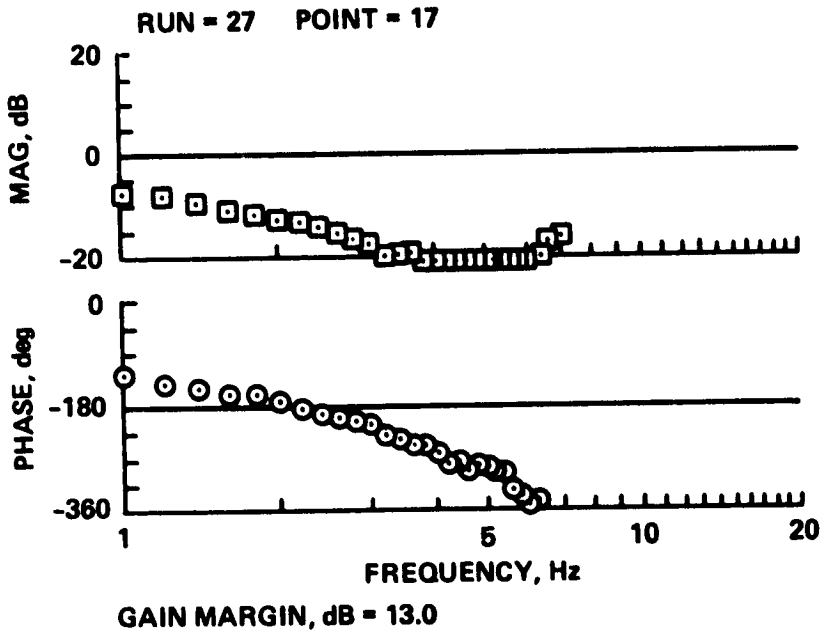


Figure 27.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

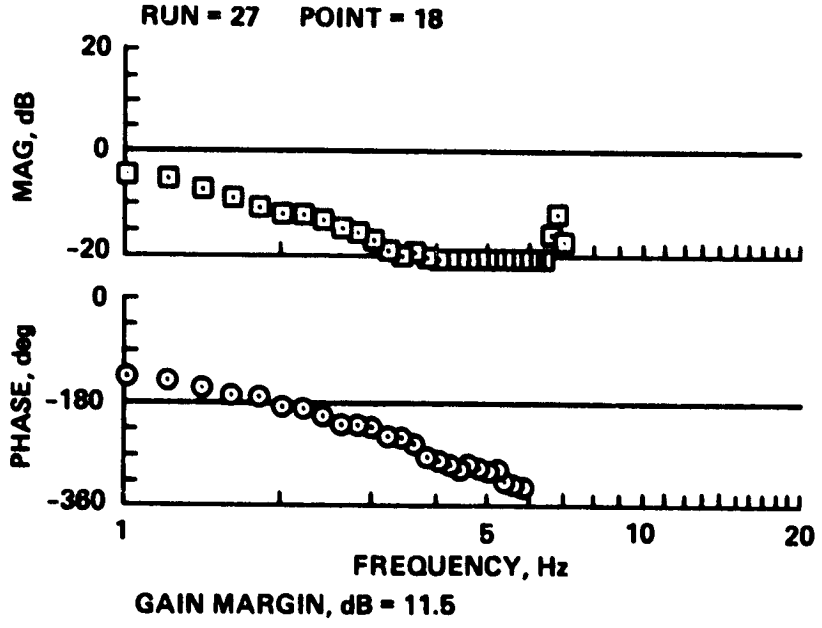


Figure 28.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with pitch loop closed.

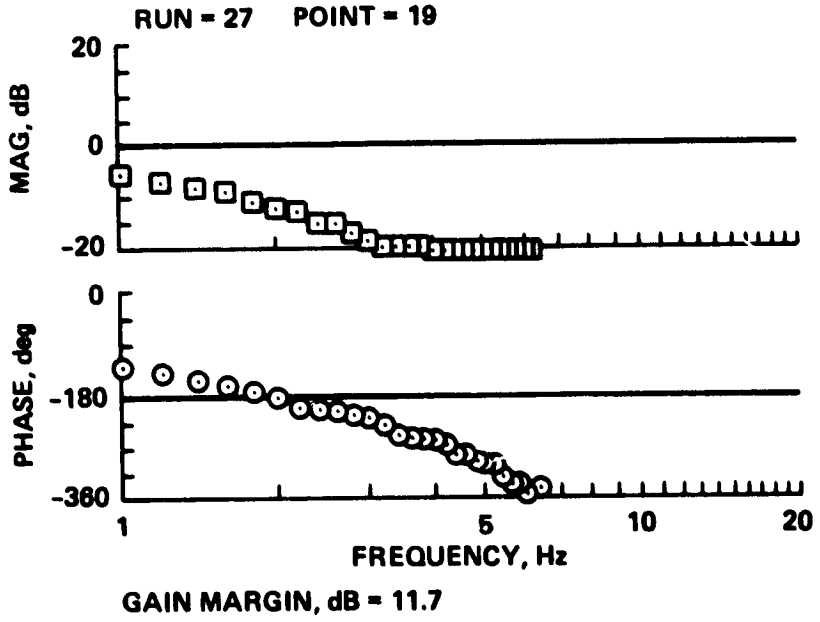


Figure 29.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop closed.

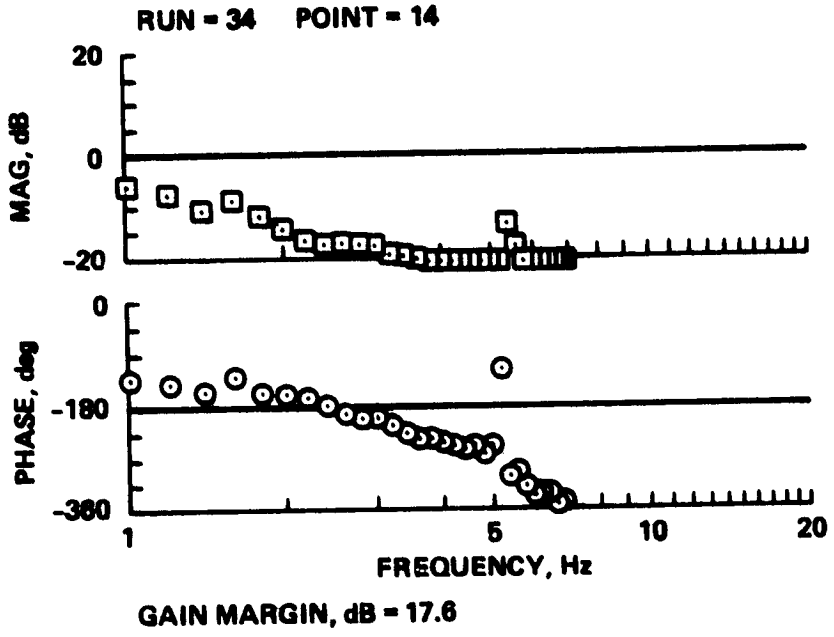


Figure 30.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

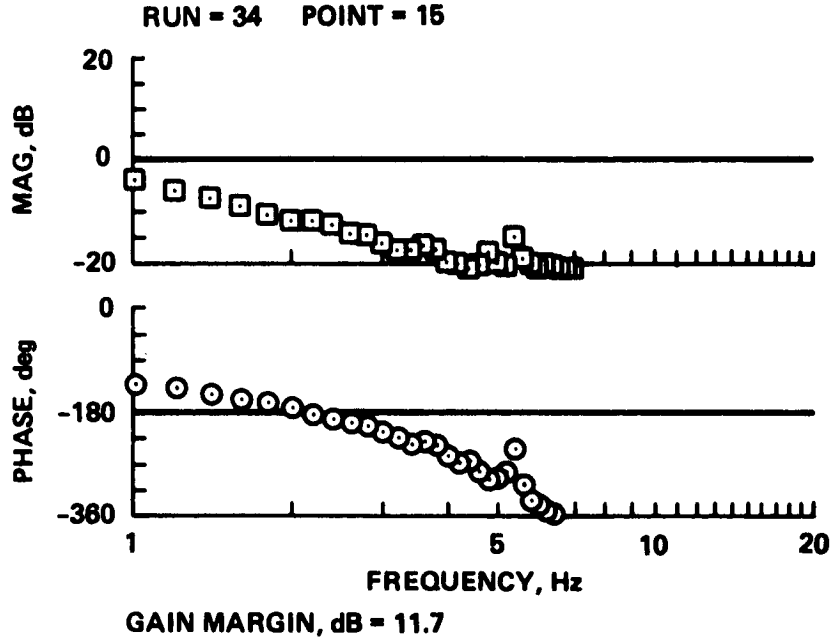


Figure 31.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

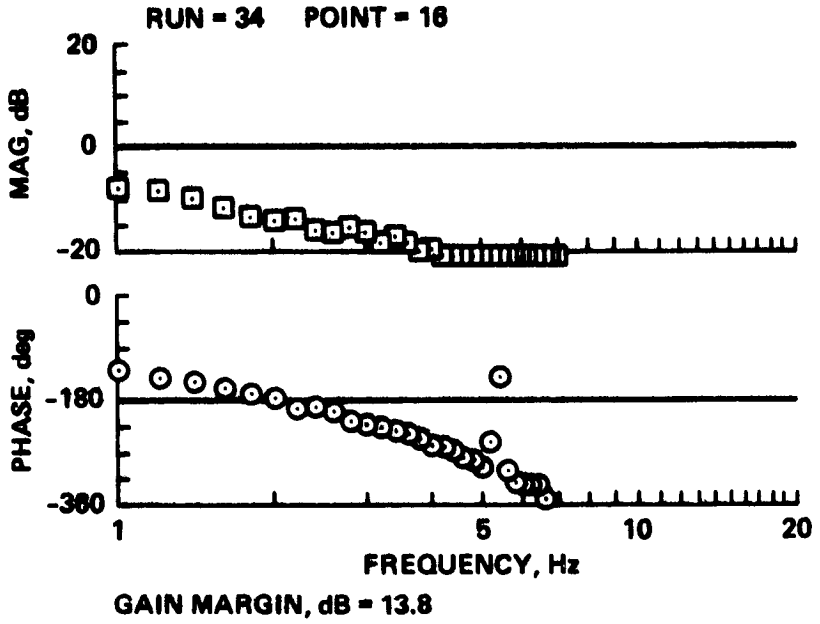


Figure 32.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop closed.

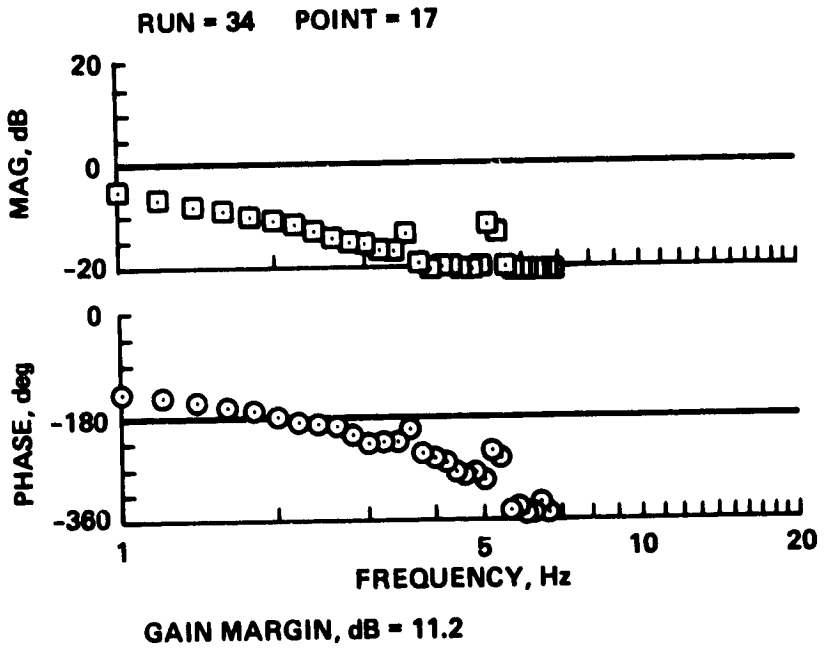


Figure 33.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop closed.

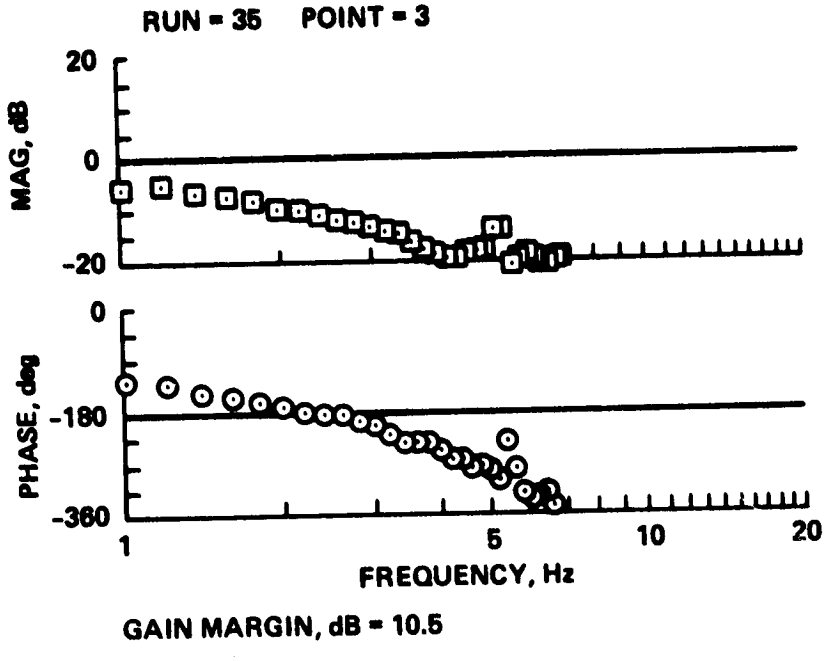


Figure 34.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

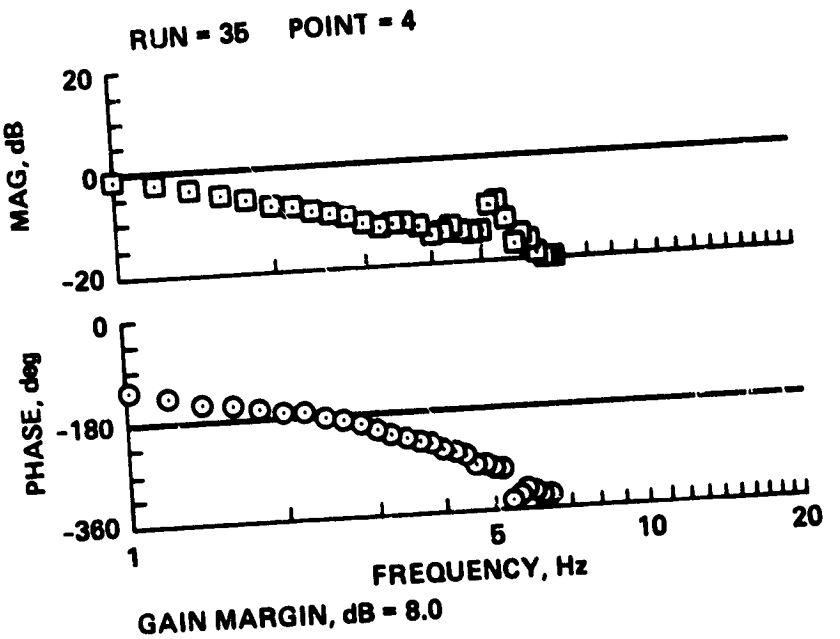


Figure 35.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

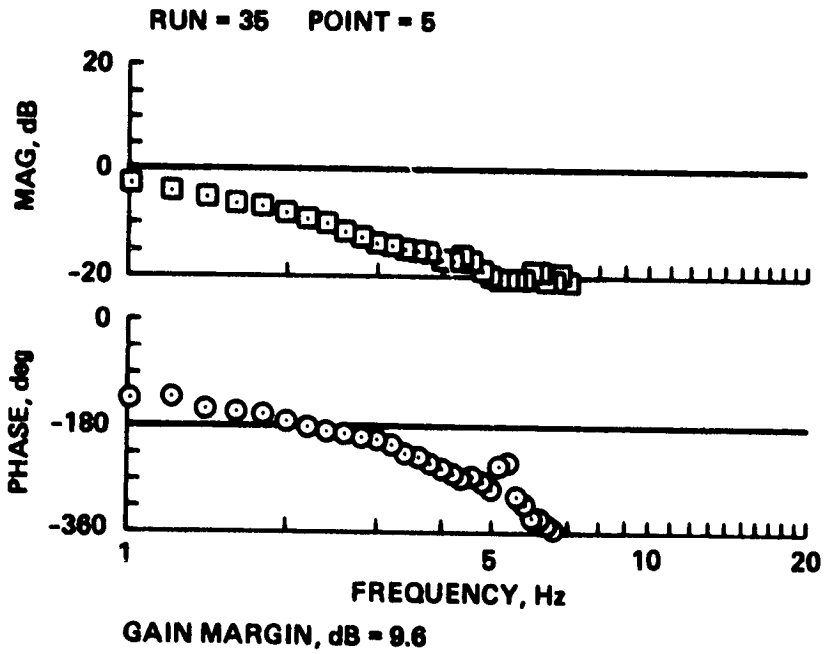


Figure 36.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop closed.

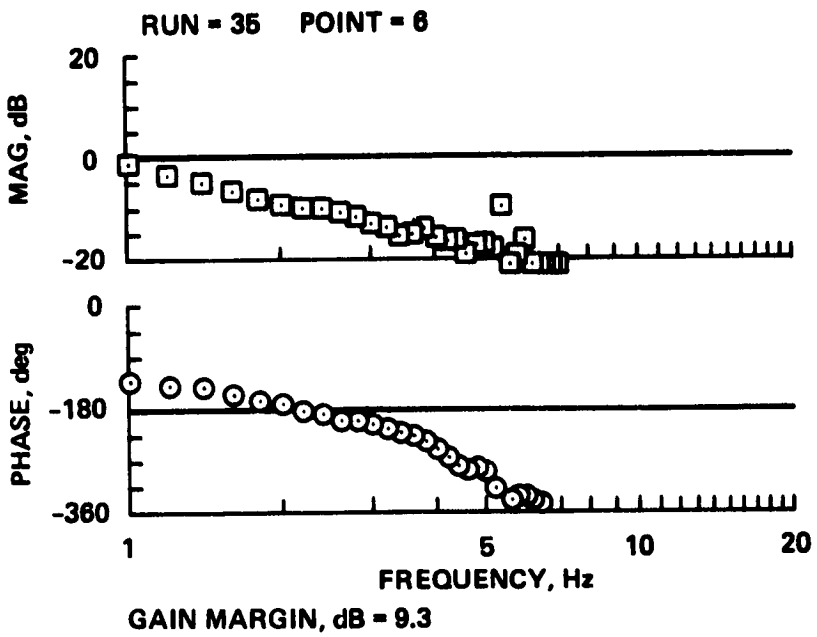


Figure 37.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop closed.

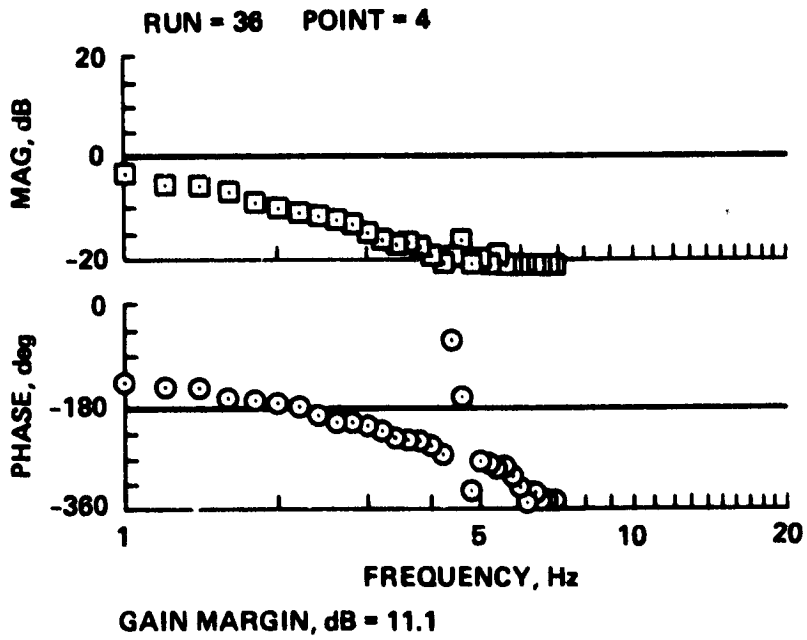


Figure 38.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

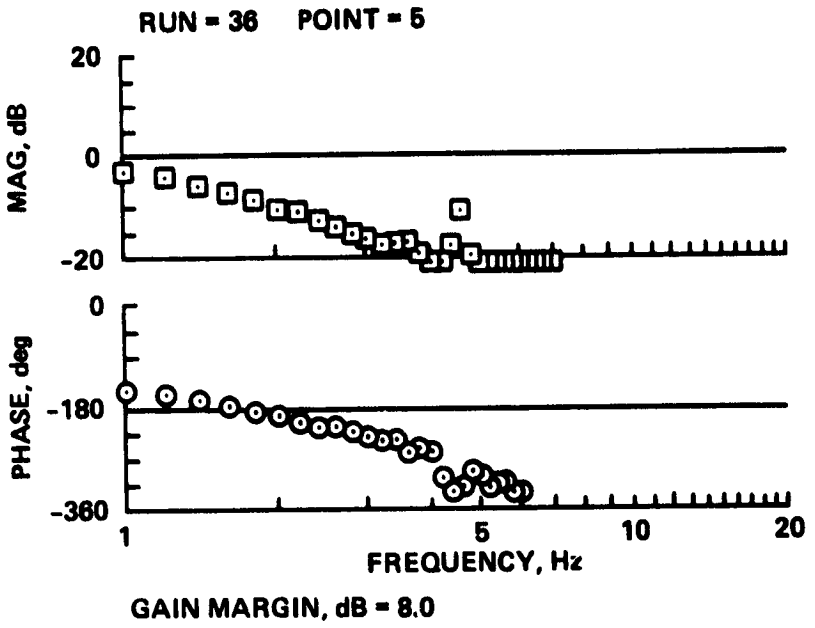


Figure 39.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop closed.

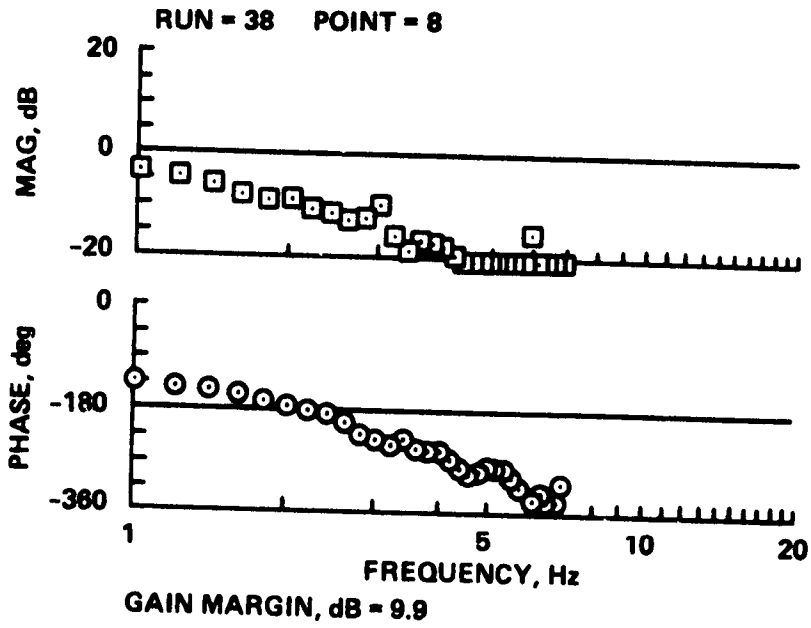


Figure 40.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

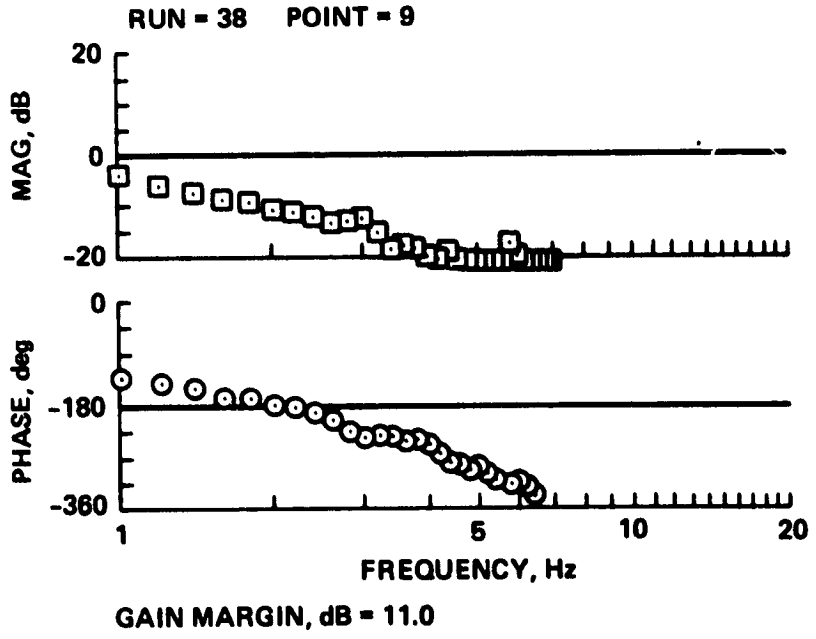


Figure 41.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

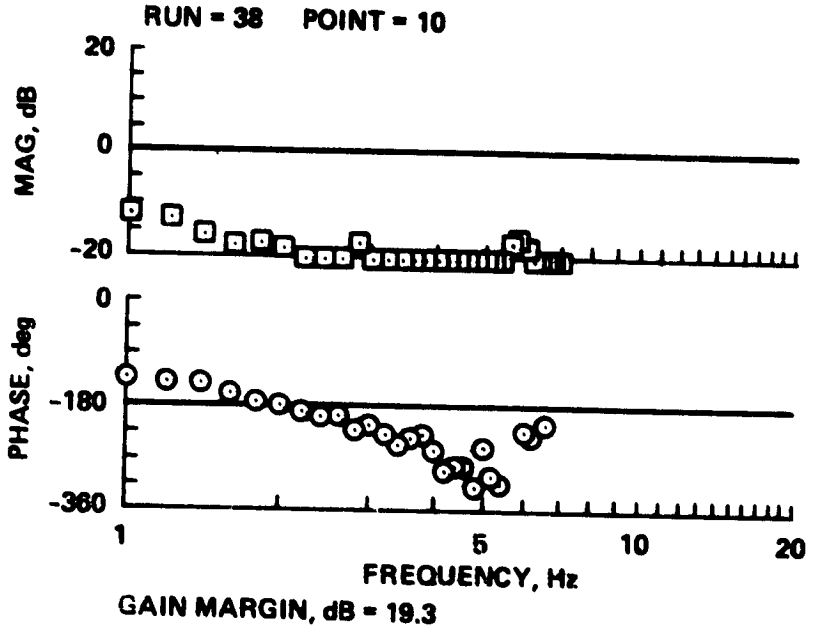


Figure 42.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with pitch loop open.

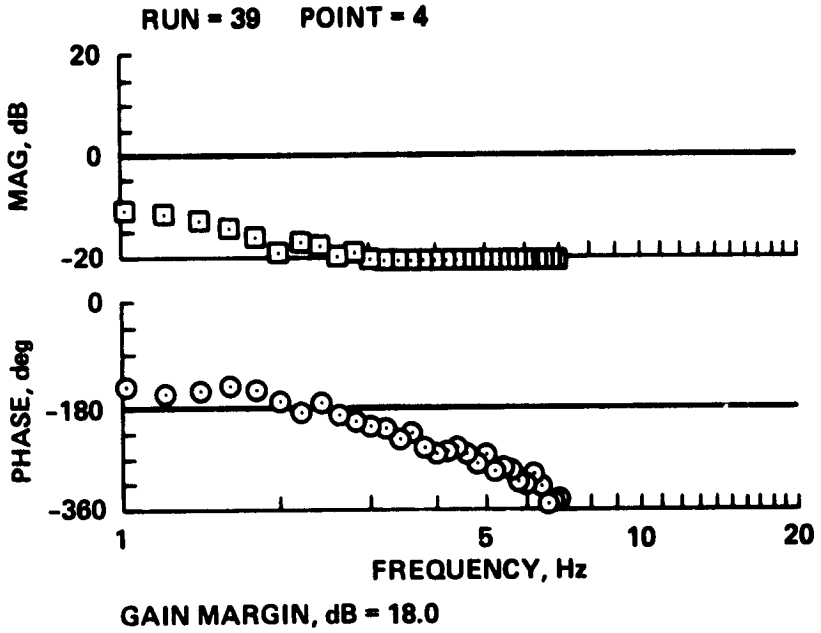


Figure 43.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with pitch loop open.

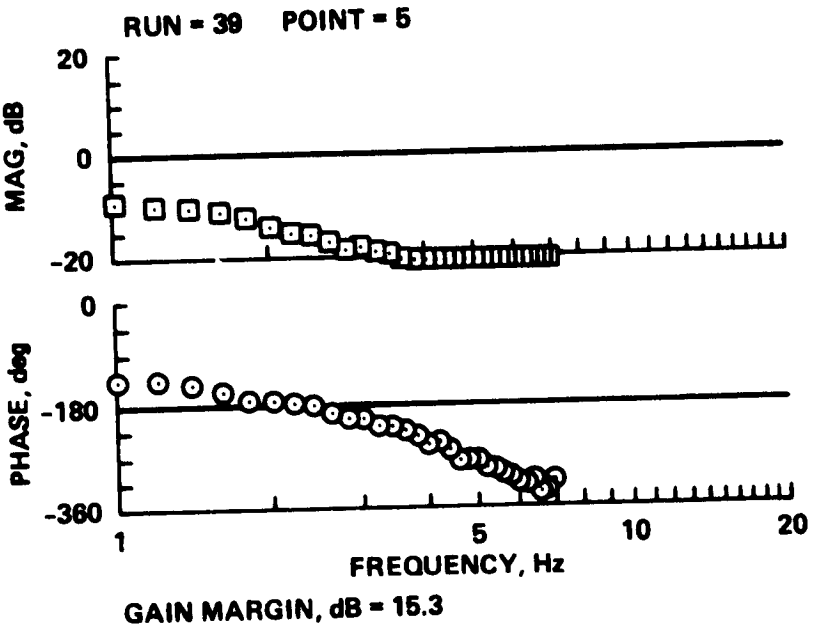


Figure 44.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with roll loop open.

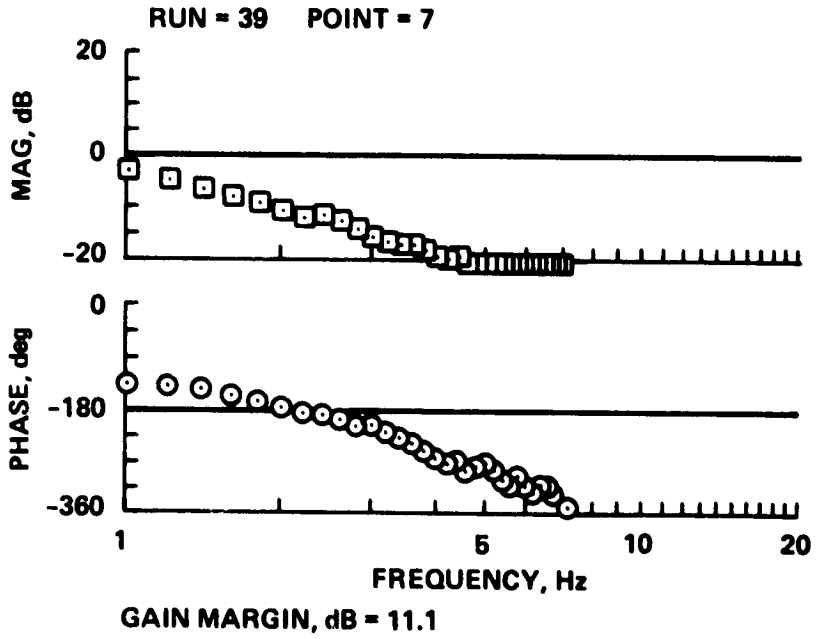


Figure 45.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Pitch loop stability measurement with roll loop open.

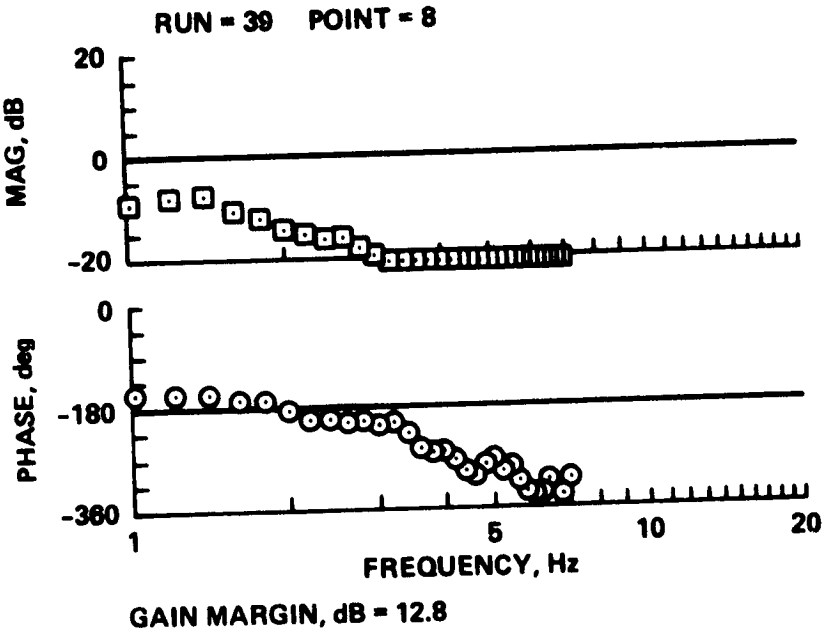


Figure 46.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with pitch loop open.

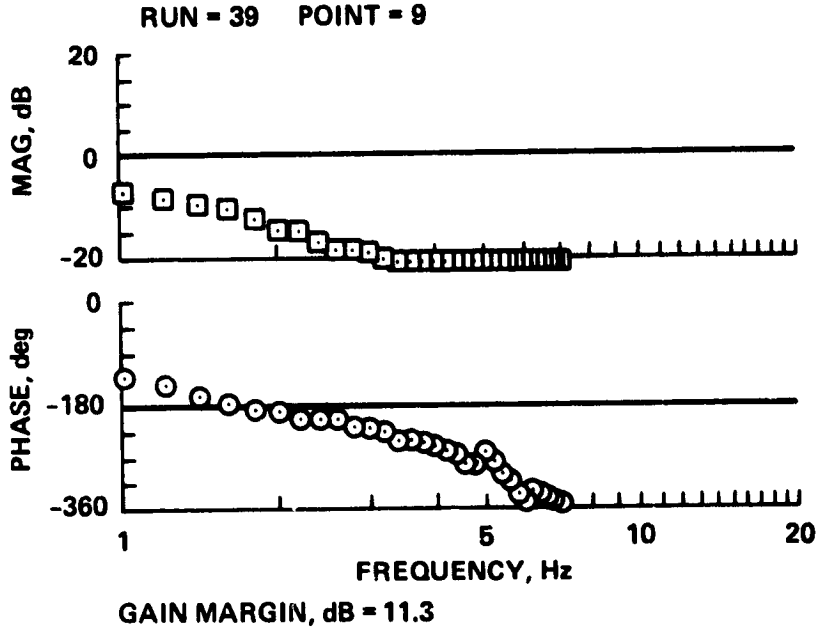


Figure 47.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with pitch loop closed.

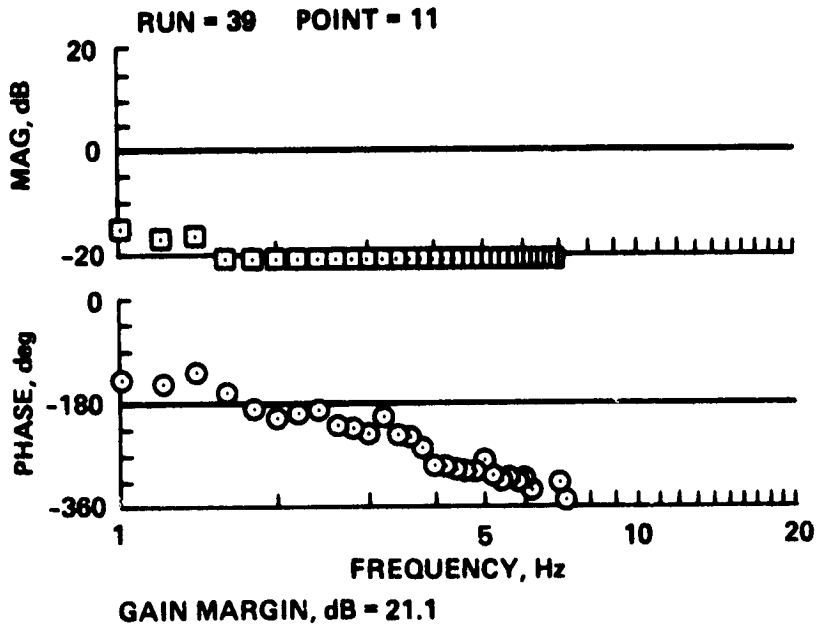


Figure 48.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Pitch loop stability measurement with roll loop open.

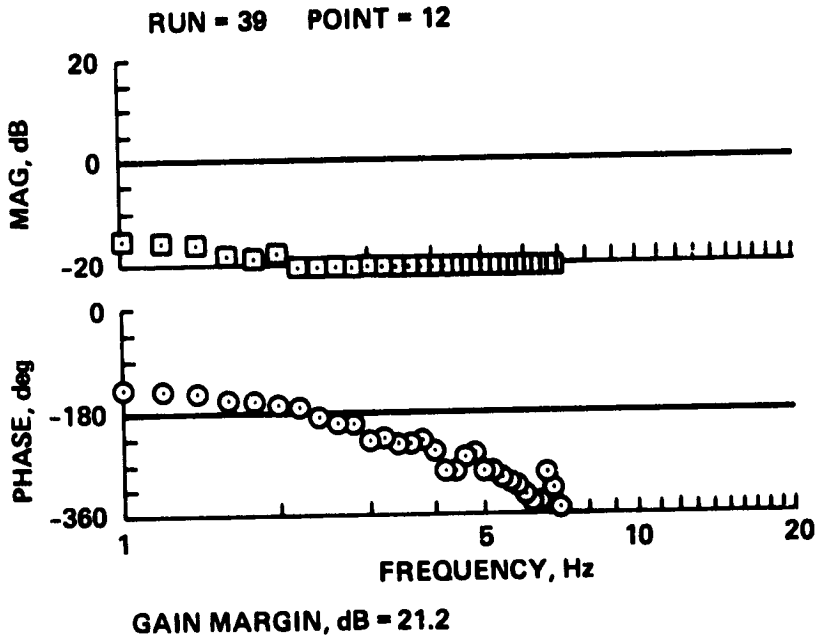


Figure 49.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with pitch loop open.

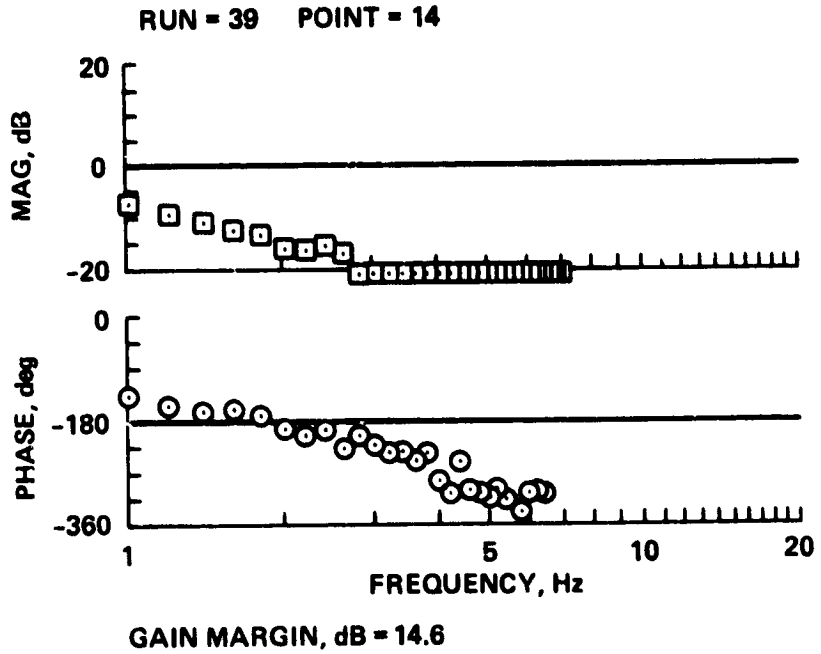


Figure 50.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Pitch loop stability measurement with roll loop open.

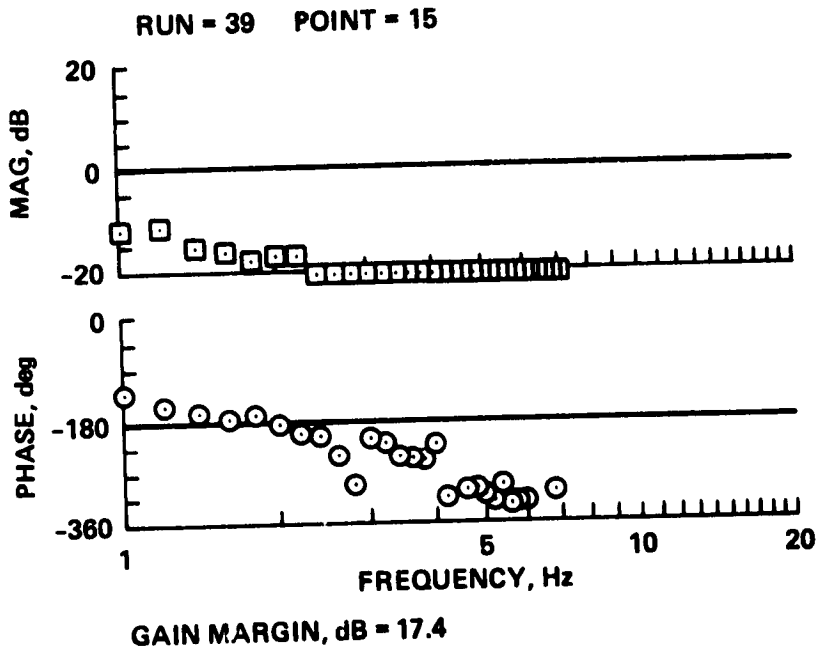


Figure 51.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with pitch loop open.

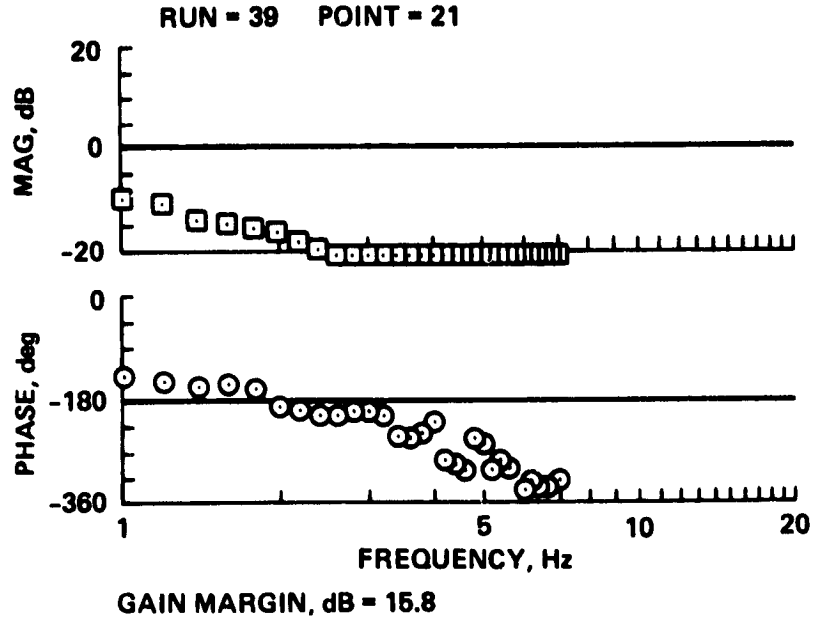


Figure 52.- Bode plot of measured hub-moment feedback control stability; fixed-wing mode. Roll loop stability measurement with pitch loop open.

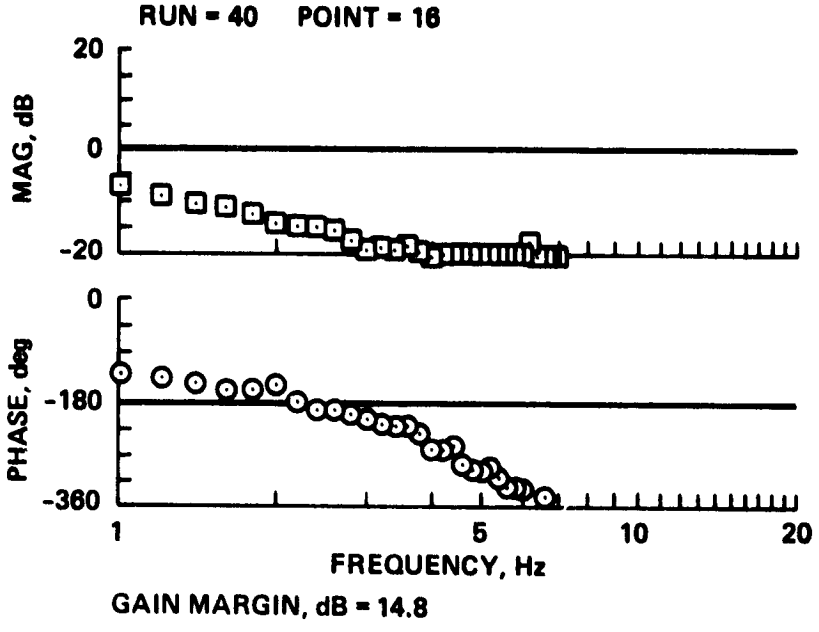


Figure 53.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

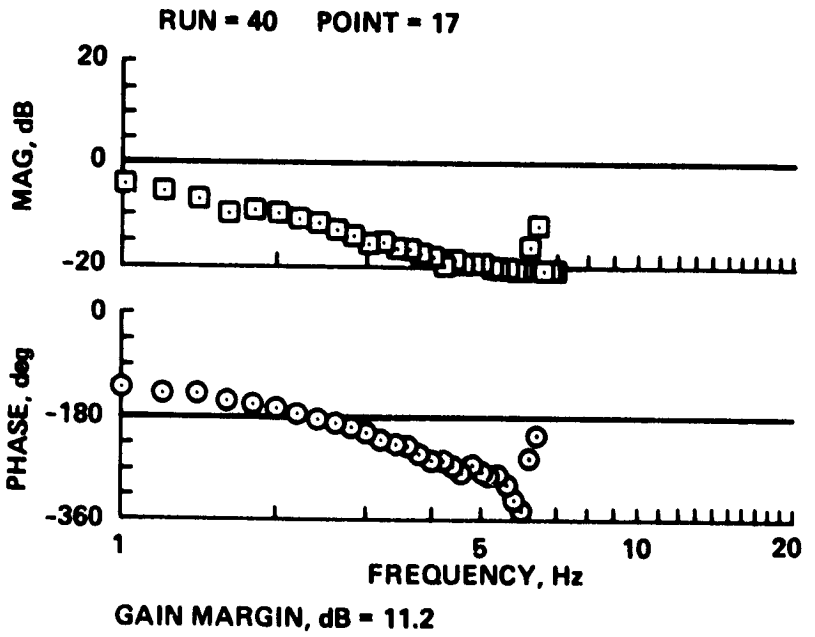


Figure 54.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

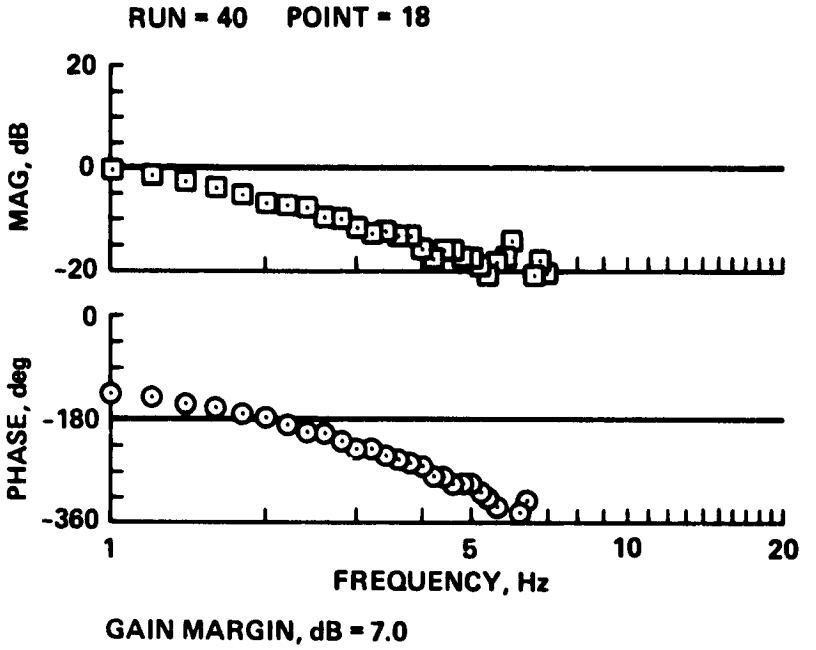


Figure 55.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

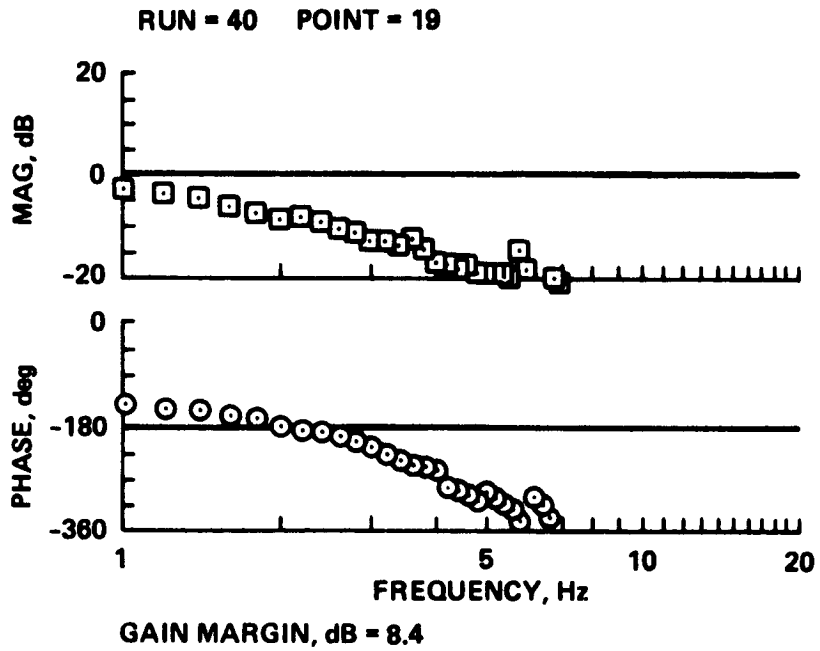


Figure 56.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop closed.

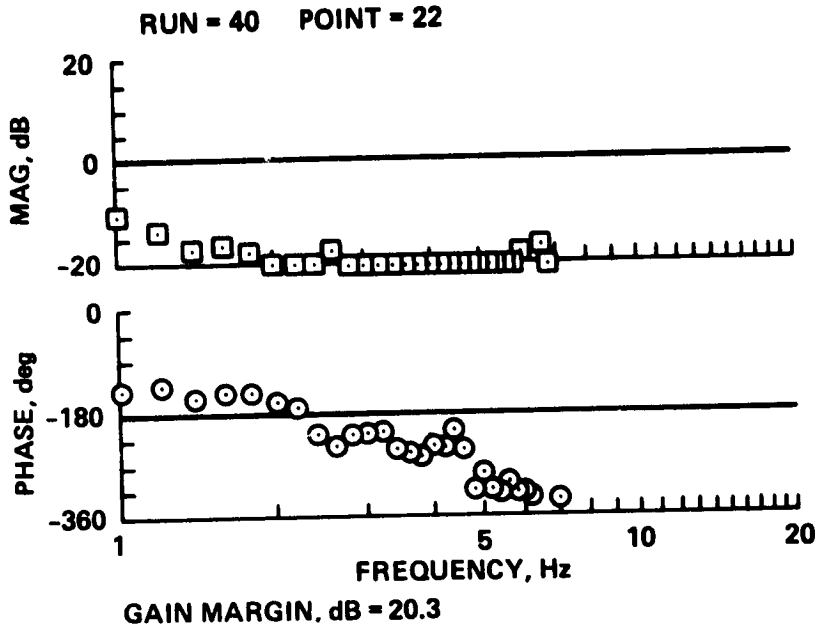


Figure 57.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

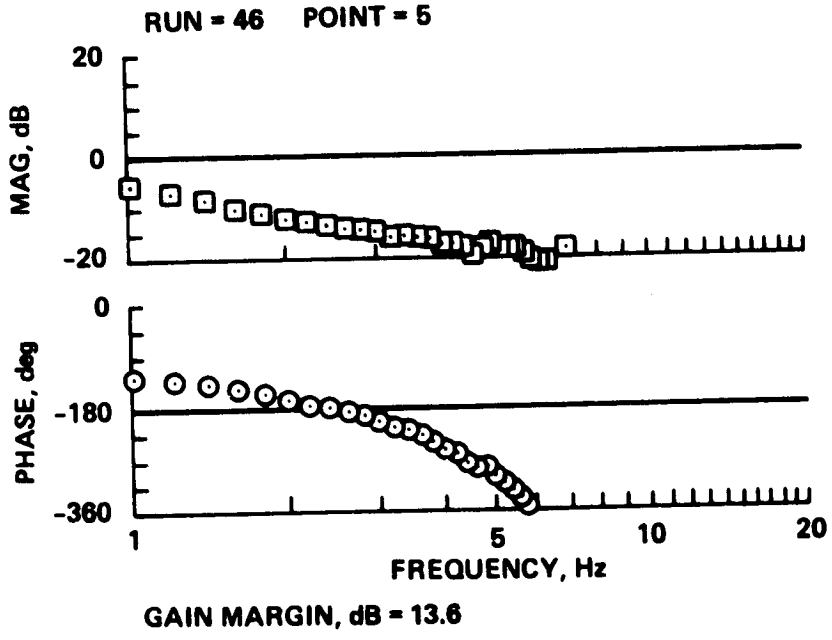


Figure 58.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Roll loop stability measurement with pitch loop open.

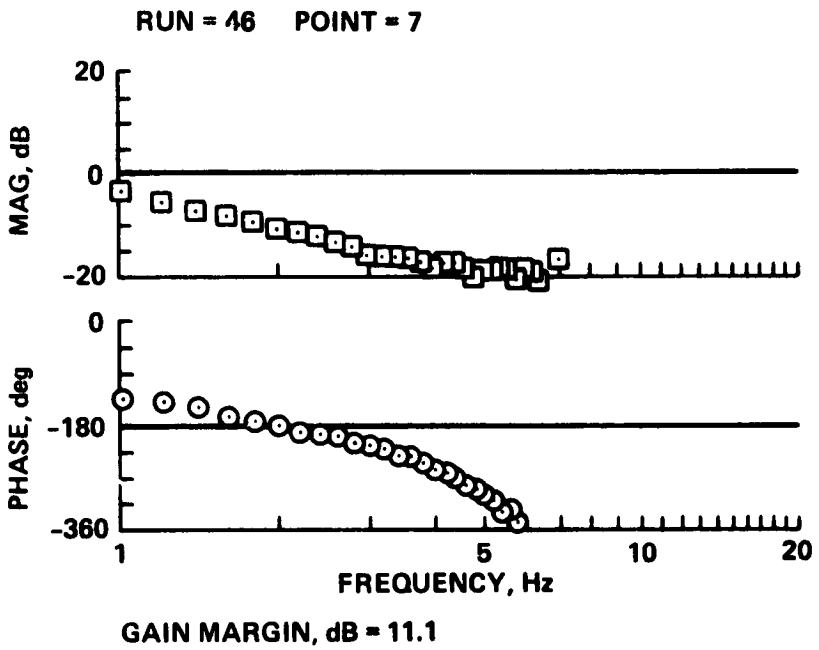


Figure 59.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.

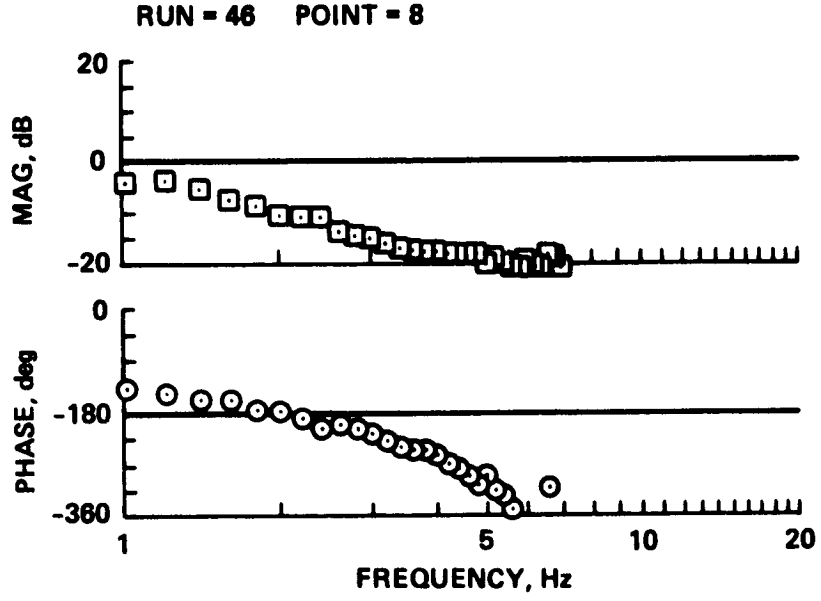


Figure 60.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop closed.

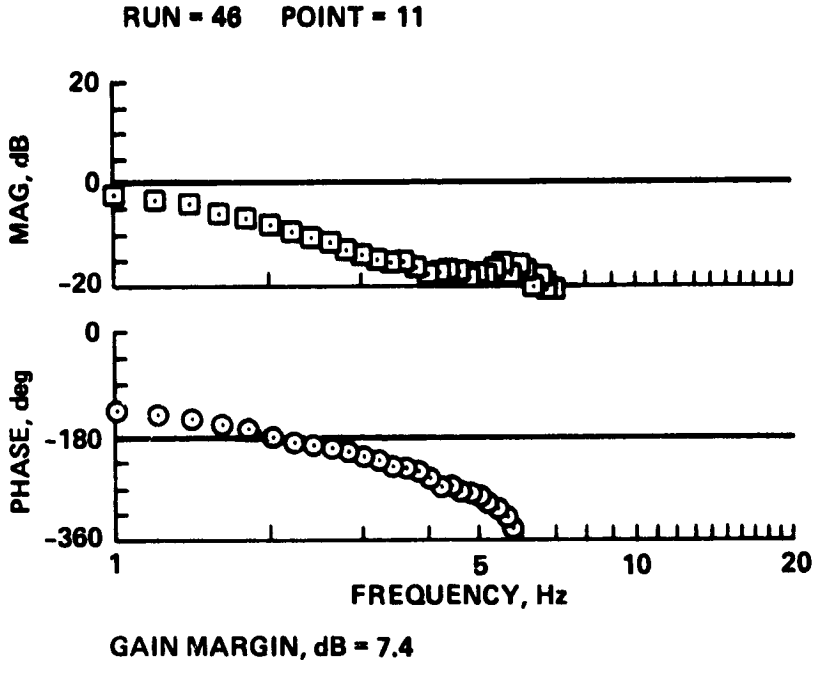


Figure 61.- Bode plot of measured hub-moment feedback control stability; rotary-wing mode. Pitch loop stability measurement with roll loop open.