

Attachment 1
Test 001-05, 2/22/96

Materials contained in attachment 1

Test data tracking form

~~Test engineer's notes~~

Test sequence

Time-history data plots for:

Instrumentation check out

Condition B1.39.0928.007

Conditions B1.39.0928.007.1-.007.2

Condition B1.39.0928.008

Conditions B1.39.0928.012-.015-.021

Force check

Standby PCU jam

Standby PCU jam .1

737 FLIGHT CONTROLS DATA TRACKING FORM

PRIORITY:

(WRITE IN BLACK INK OR PHOTOCOPY BEFORE TRANSMITTING)

DESCRIPTION 737-200

Rubber Ground Test

PILOT/AIRPLANE Name / RG309

PARAM. SET #

WINDS

SPS 20

GW/CGI

MANEUVER CODE

FC STAFF Ben Smith

PHONE 294-7123

FLI TEST STAFF P. N. N. N.

TEST DATE

AIRPORT/RUNWAY

PLOT FORMAT #

DATA REQUEST NUMBER

EKS DATE

STAT. SOURCE

CONDITION NUMBER

SEQUENCE NUMBER

IRIG TIME

END

ALT

REMARKS

GEDH. 8546

81.39.0928.007/8

13:32:00

13:33:10

81.39.0928.007.1

14:10:20

14:16:10

81.39.0928.007.2

14:17:10

14:18:10

FORCE CHECK

14:20:00

14:22:30

81.39.0928.012+.015

15:35:00

15:30:35

81.39.0928.016+.021

16:47:00

16:53:50

STRY FCU JAWA

17:03:50

17:08:55

STRY FCU JAWA.1

18:35:00

18:41:45

2477.9843

FILE RECEIVED

FAST

ADDRESS

TINKER/FILTER

DATABASE

Write clearly and assure good contrast for reproduction:

C = Comment (Crew,...) D = Delay		E = Exceedance		M = Messages		P = Problem (maintenr)	
SHEET 1 OF 3		TITLE		STANDBY RUDDER ACTUATOR FAILURE GT		MODEL 737-301	
RECORDER <i>D. Wray</i>				FUNCTIONAL CHECKS		TAB NO. PG300	
TEST NO. 001-06		STA				DOC NO. D6-38564-160P	
DATE 2/22/96				BOEING		PAGE 001-06-C	

TIME	COND.								
Standby PCU Jammed at Neutral		17:03:04							
		17:04:05	Hyd A ON	-12" Str					
		17:04:44	Hyd B ON	-12" Str					
		17:06:06	1/2" off from witness mark						
		17:06:23	Cycle Rudder						
		17:08:26	Release Pedal, End Sweep						
		17:08:40	A & B Hyd OFF						
		17:15:00	TAPE OFF						
			Note, The Standby PCU input linkage was not re-rigged for this test.						
		17:16:00	Must Re-rig Standby PCU input linkage						
		18:33:45	TAPE ON						
Standby PCU Jammed at Neutral		18:35:09	Hyd A						
		18:35:28	Hyd B	Handover to -26" Str					
		18:36:45	Center Pedals	80 lbs Force					
		18:37:31	Left Rudder						
		18:38:30	Believe Rudder Pedal Force						
		18:40:54	Hyd OFF, Input Pedal						
		18:41:32	End						
		18:46:45	TAPE OFF						

C = Comment (Crew,...) D = Delay

E = Exceedance

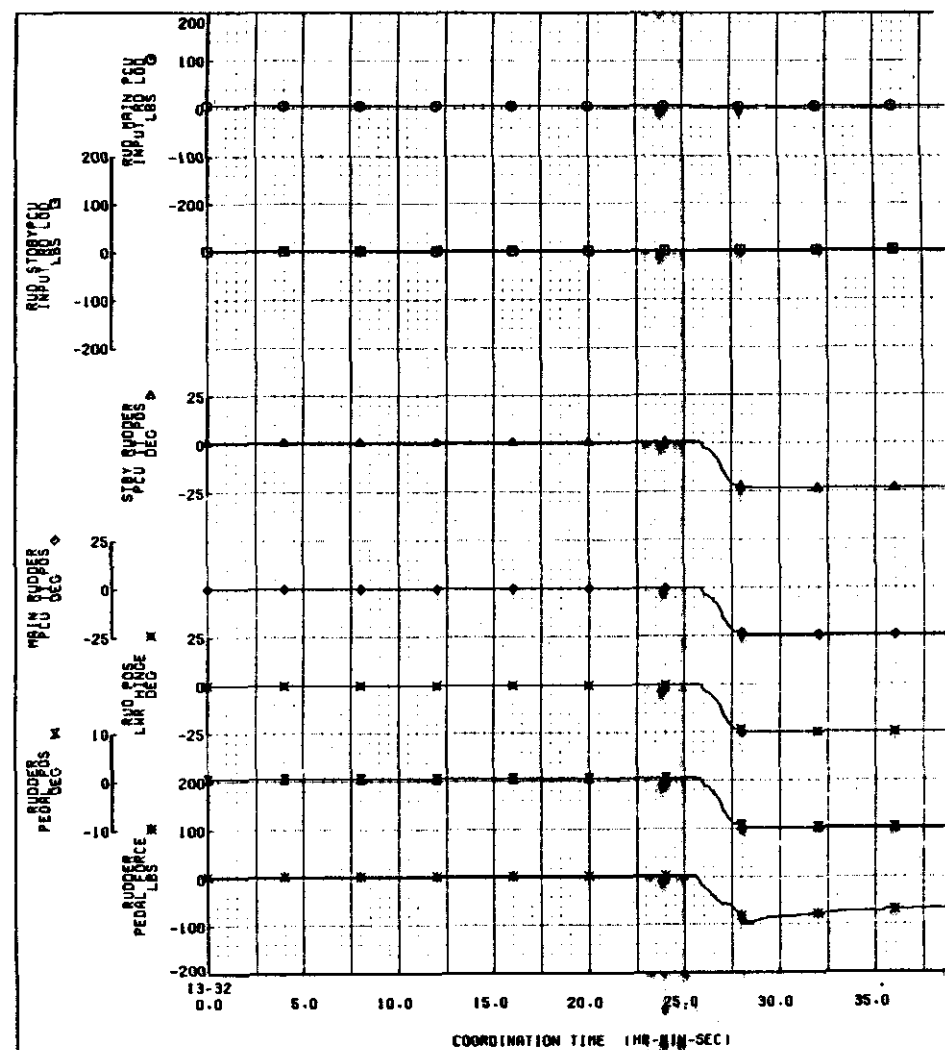
M = Messages

P = Problem (maintenance)

SHEET 3 OF 3	TITLE	STANDBY RUDDER ACTUATOR FAILURE GT	MODEL	737-301
RECORDER D. Nagel	FUNCTIONAL CHECKS		TAB NO.	PG300
TEST NO. 001-06	STA		DOC NO.	D6-38554-100P
DATE 2/22/06	BOEING		PAGE	001-06-C

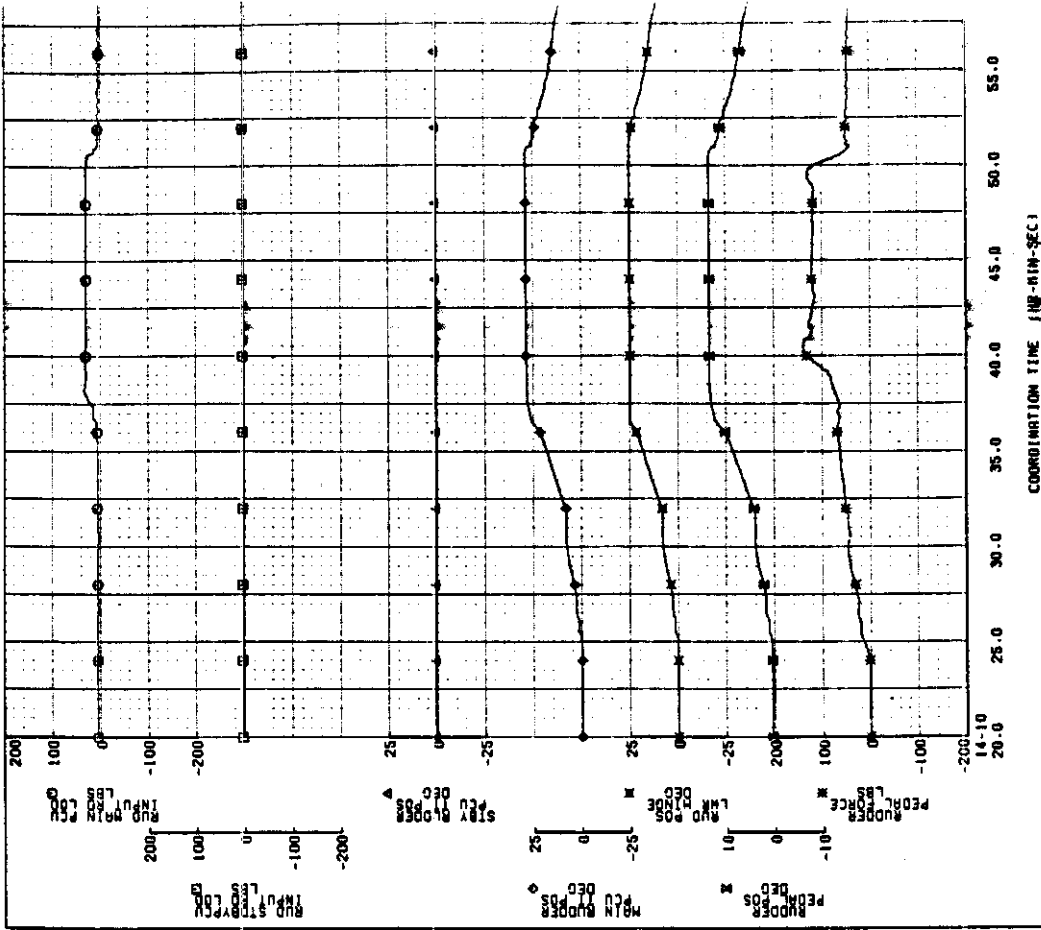
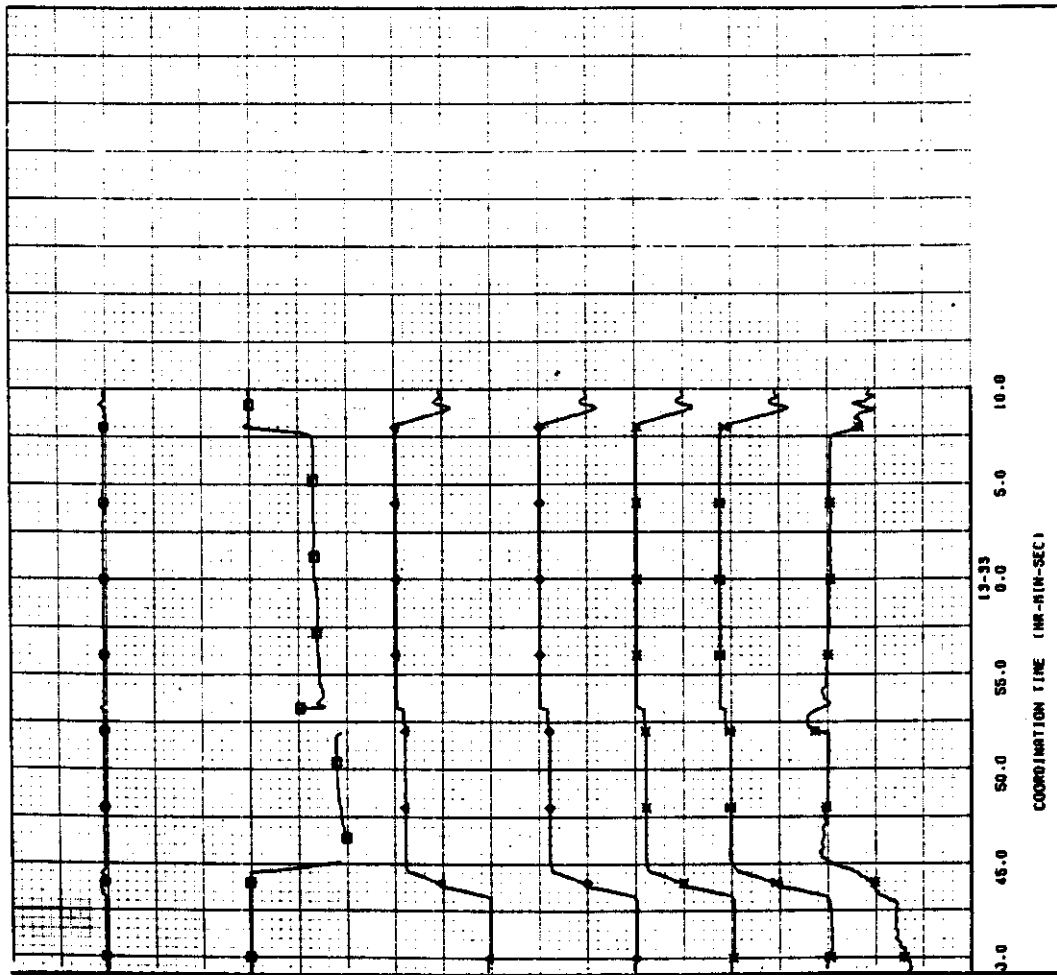
001-06-C

REQUEST NUMBER C4T7-9043 DATE 03/04/96 TIME 1407



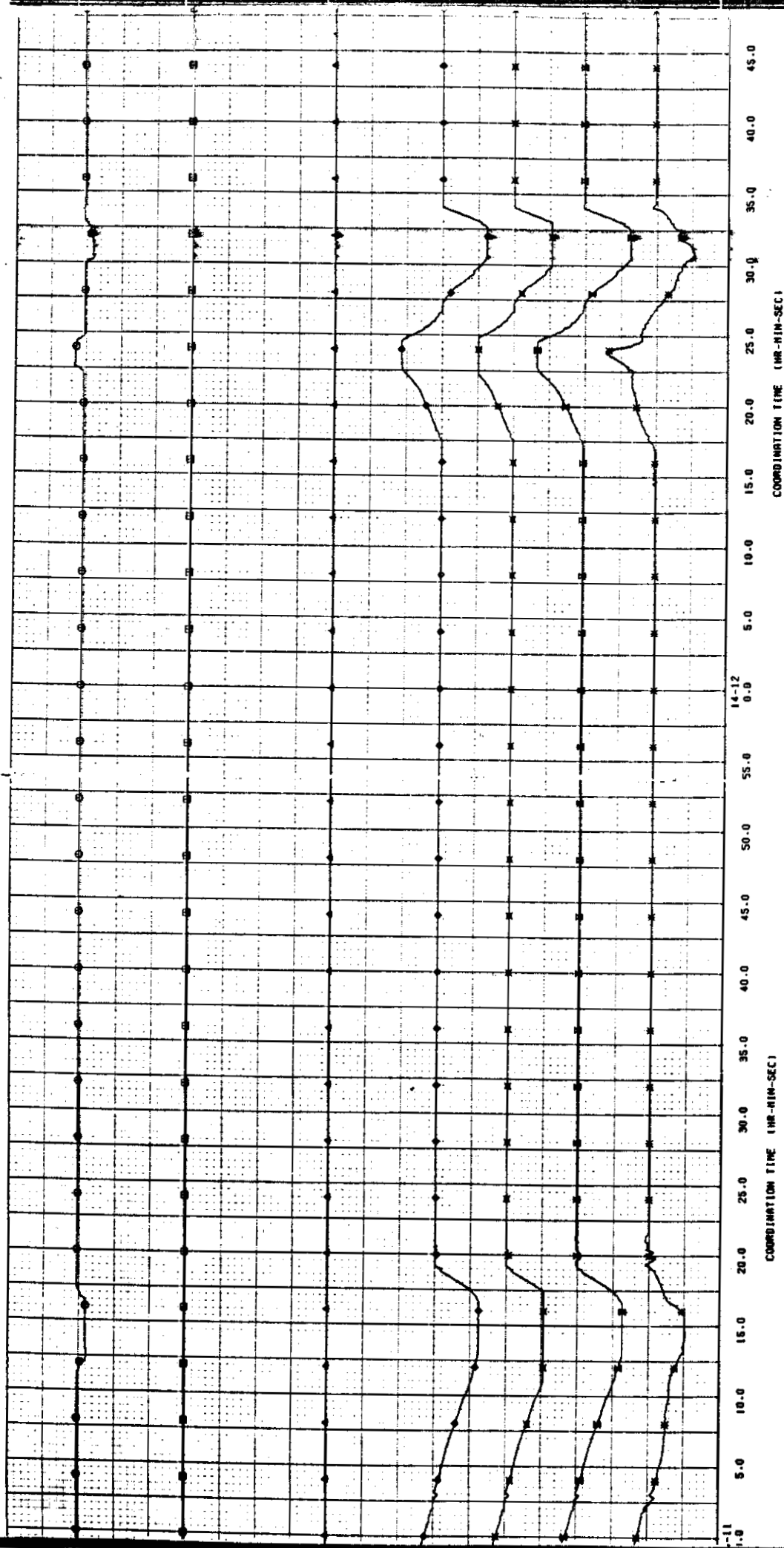
03/04/96 1407	REQ C4T7-9043	737-200 RUDDER GRND TEST	737-200
CALC		TIME HISTORY PLOT	PG309
CHECK		INSTRO CHECKOUT	
APR		CONDITION NO. 81.39.0928-007/8	81.39.0928
APR		TEST 001-05 TEST DATE Q2/22/96	
		THE BOEING COMPANY	PAGE

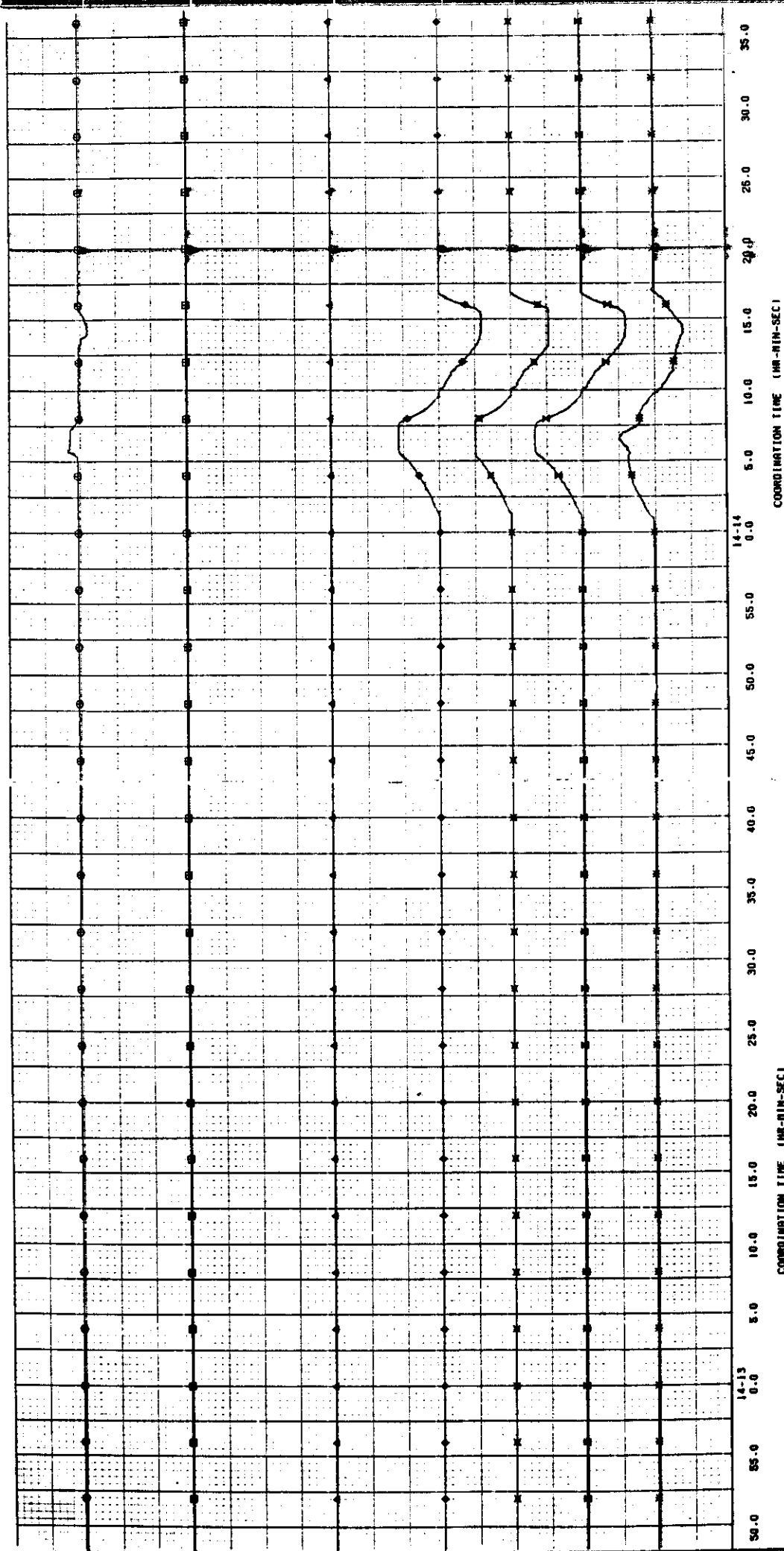
FORMAT 1
737-200, PG309, RUDDER GROUND TESTING/INSTRO CHECKOUT



03/04/96 1407	REQ CAT7-9043	737-200 RUDDER GRND TEST	737-200
APR	REVIS	TIME HISTORY PLOT	PG309
APR	REVIS	INSTRUMENT CHECKOUT	
APR	REVIS	CONDITION NO. 81-39-0928-007-1	
APR	REVIS	TEST DATE 02/22/96	81-39-0928
APR	REVIS	TEST TIME 02/22/96	
APR	REVIS	TIME BOEING COMPANY	PAGE

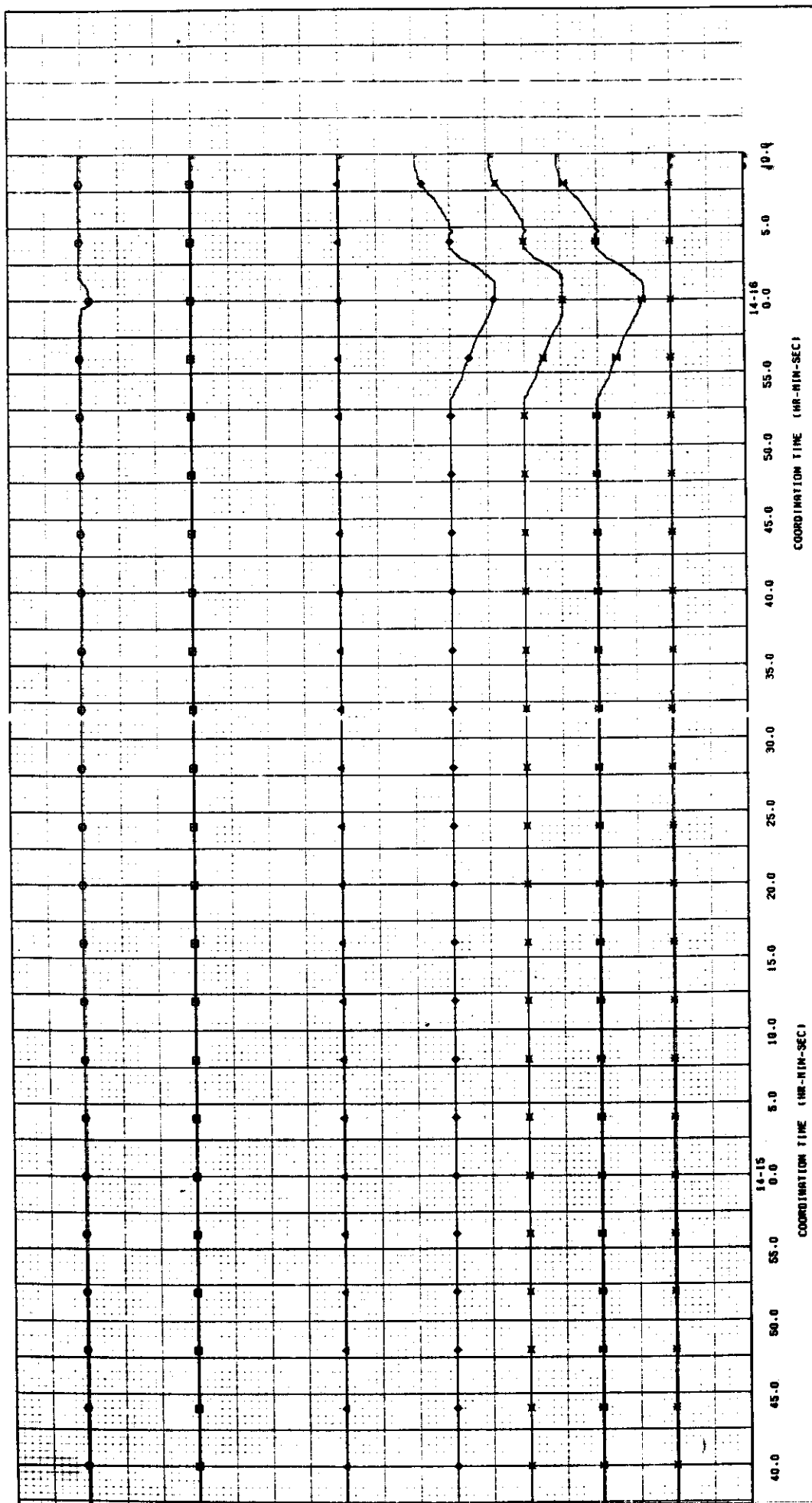
FORMAT 1
737-200. PG309. RUDDER GRND TESTING/INSTRUMENT CHECKOUT

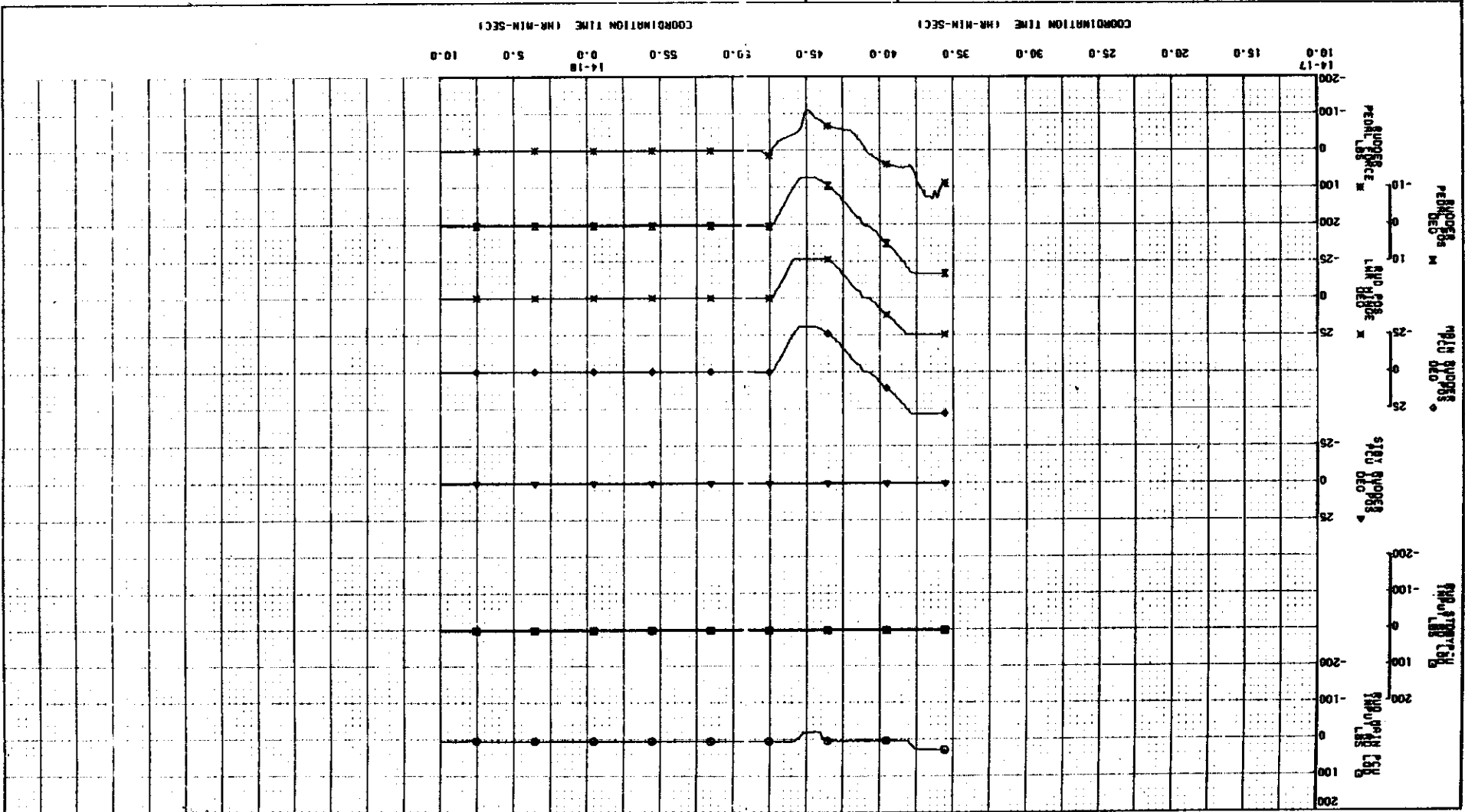




COORDINATION TIME (HR-MIN-SEC)

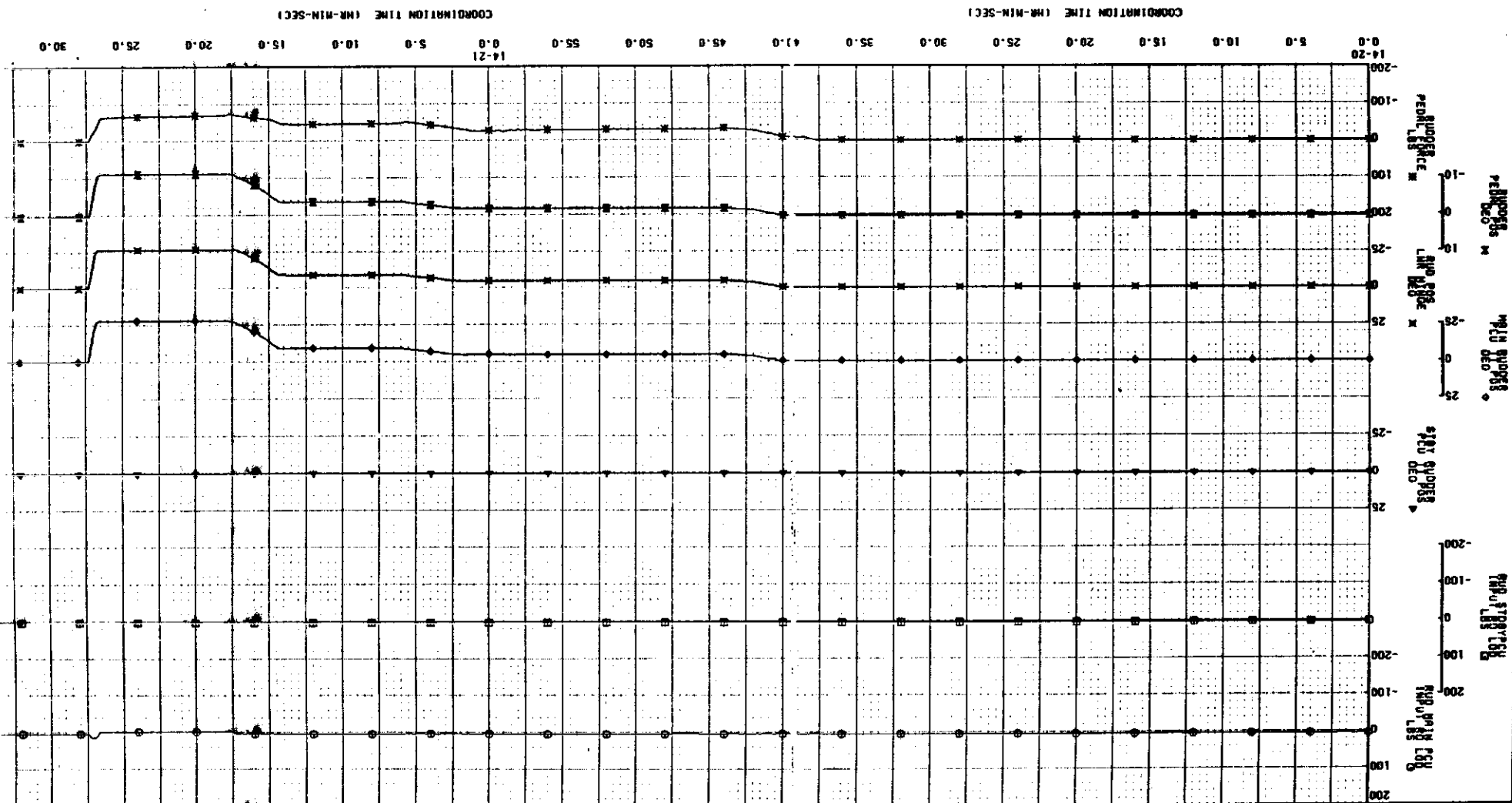
COORDINATION TIME (HR-MIN-SEC)

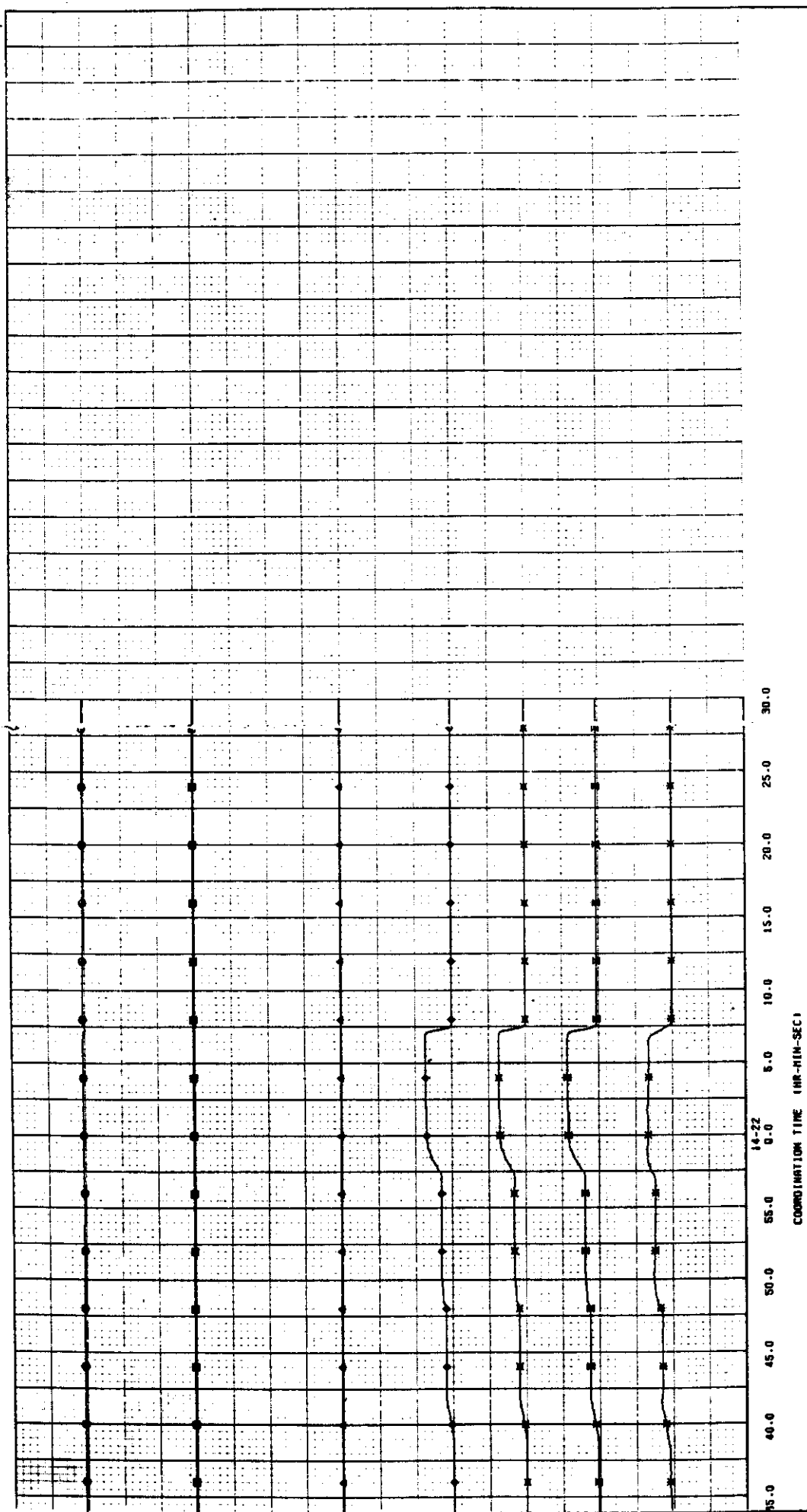


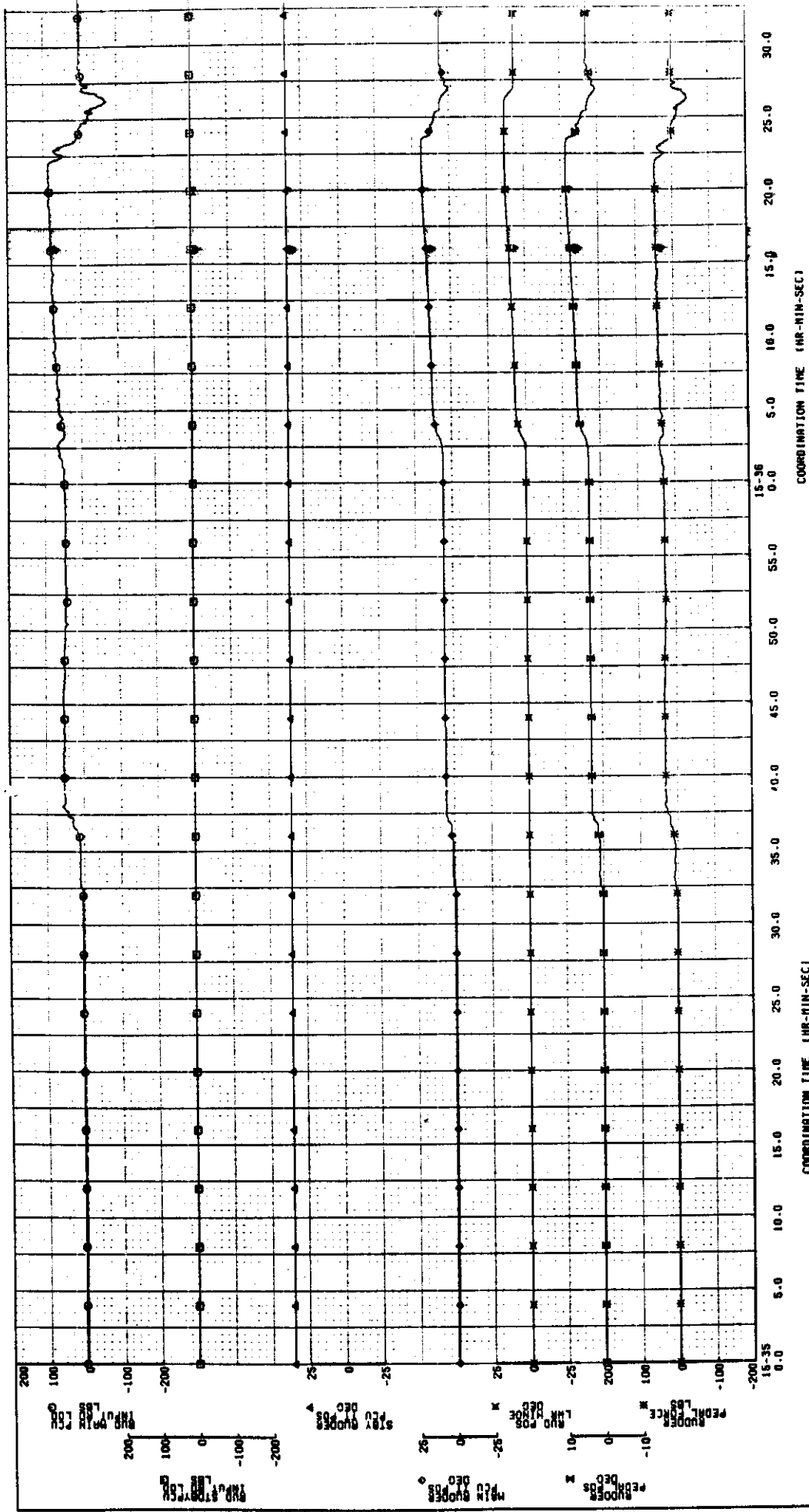
[illegible]

737-200, PG309, RUDDER GROUND TESTING/INSTRO CHECKOUT

03/04/96 1407	REQ C417-9043	737-200 RUDDER GRND TEST	TIME HISTORY PLOT	PG309	737-200
CALC	REVISD DATE	INSTRO CHECKOUT	CONDITION NO. FORCE CHECK	TEST 001-05	TEST DATE 02/22/96
CHECK					
APR					
APR					
TIME	BOEING COMPANY	PAGE			

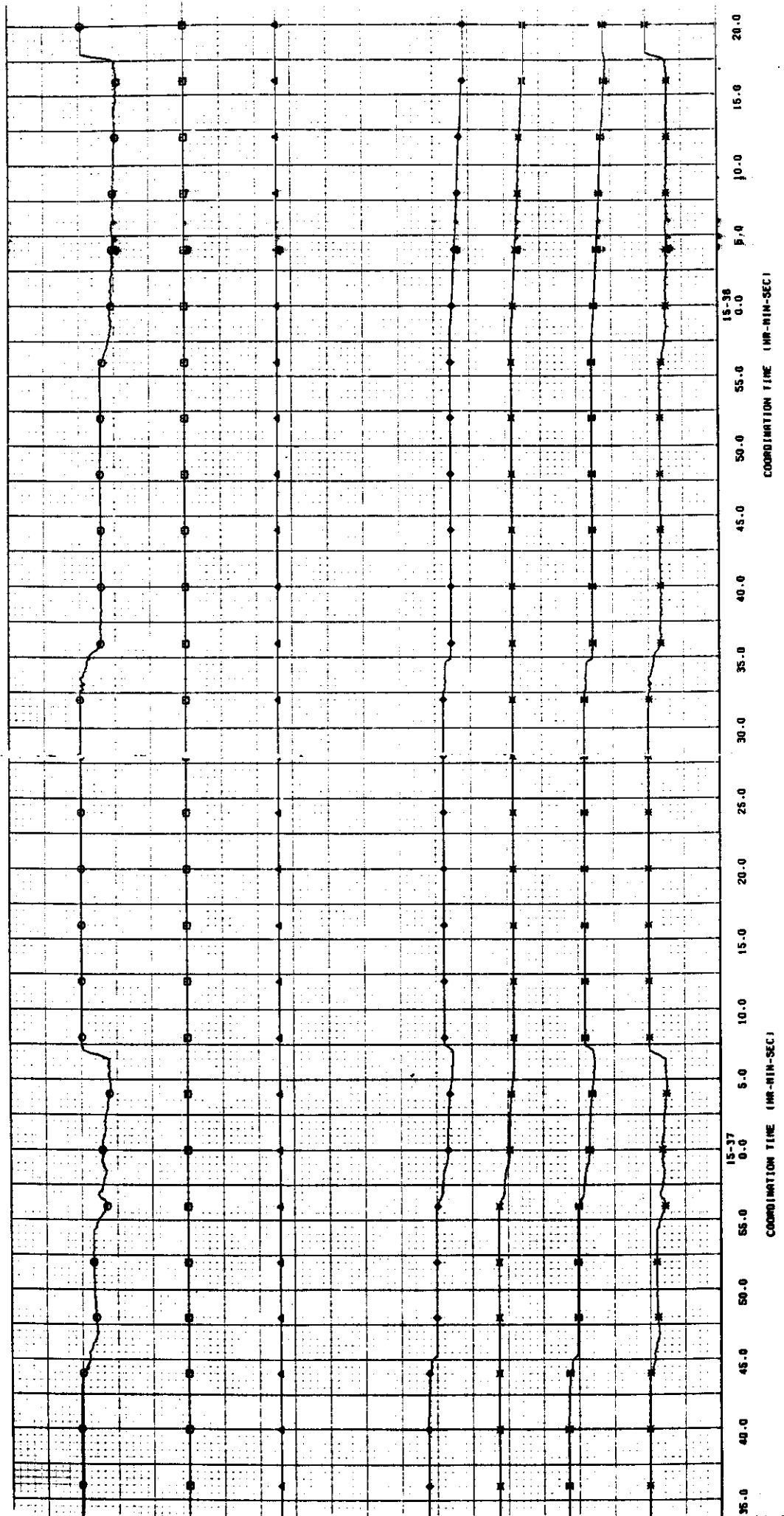


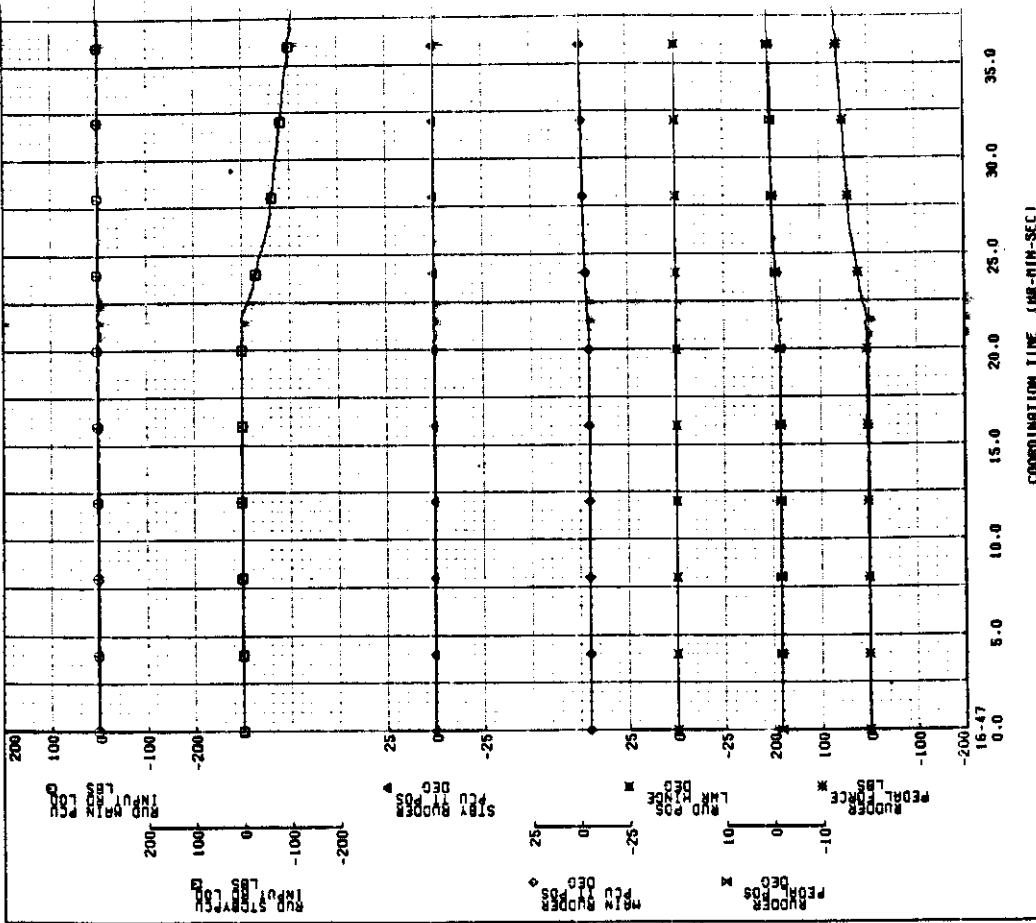
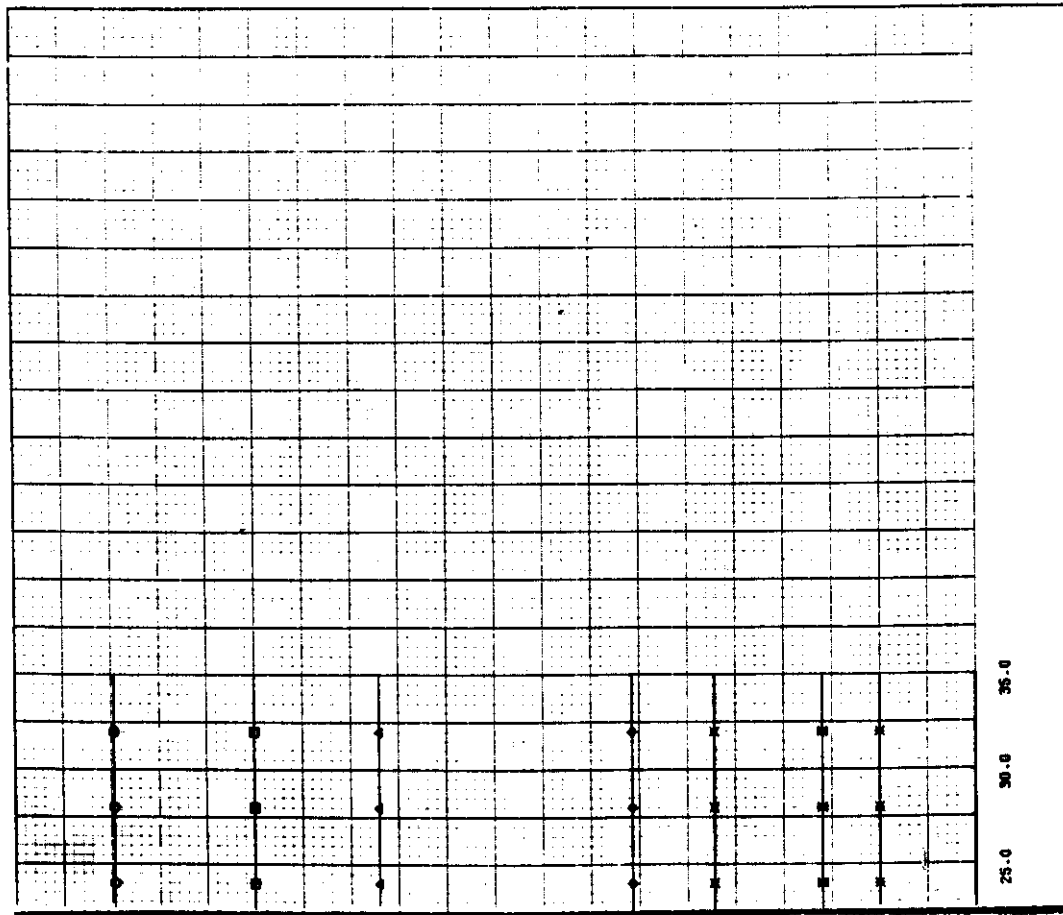




03/04/96 1407		REQ C417-9043		737-200 RUDDER GRND TEST		737-200	
CALC		REVISED DATE		TIME HISTORY PLOT		PG309	
CHECK				INSTRO CHECKOUT			
APR				CONDITION NO. .012-.015			
APR				TEST 001-05 TEST DATE 02/22/96		81.39.0928	
				THE BOEING COMPANY		PAGE	

FORMAT 1
737-200. PG309. RUDDER GROUND TESTING/INSTRO CHECKOUT

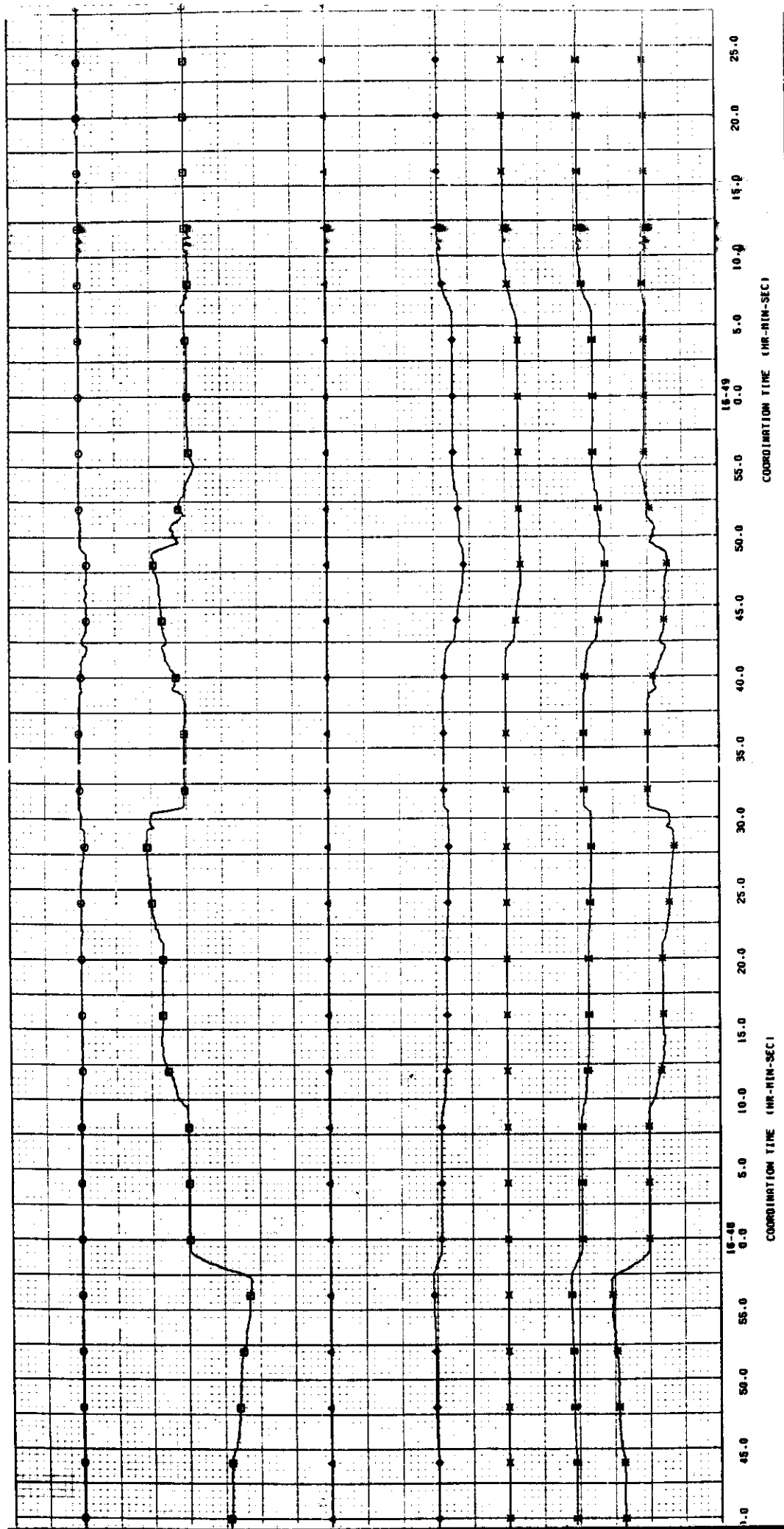


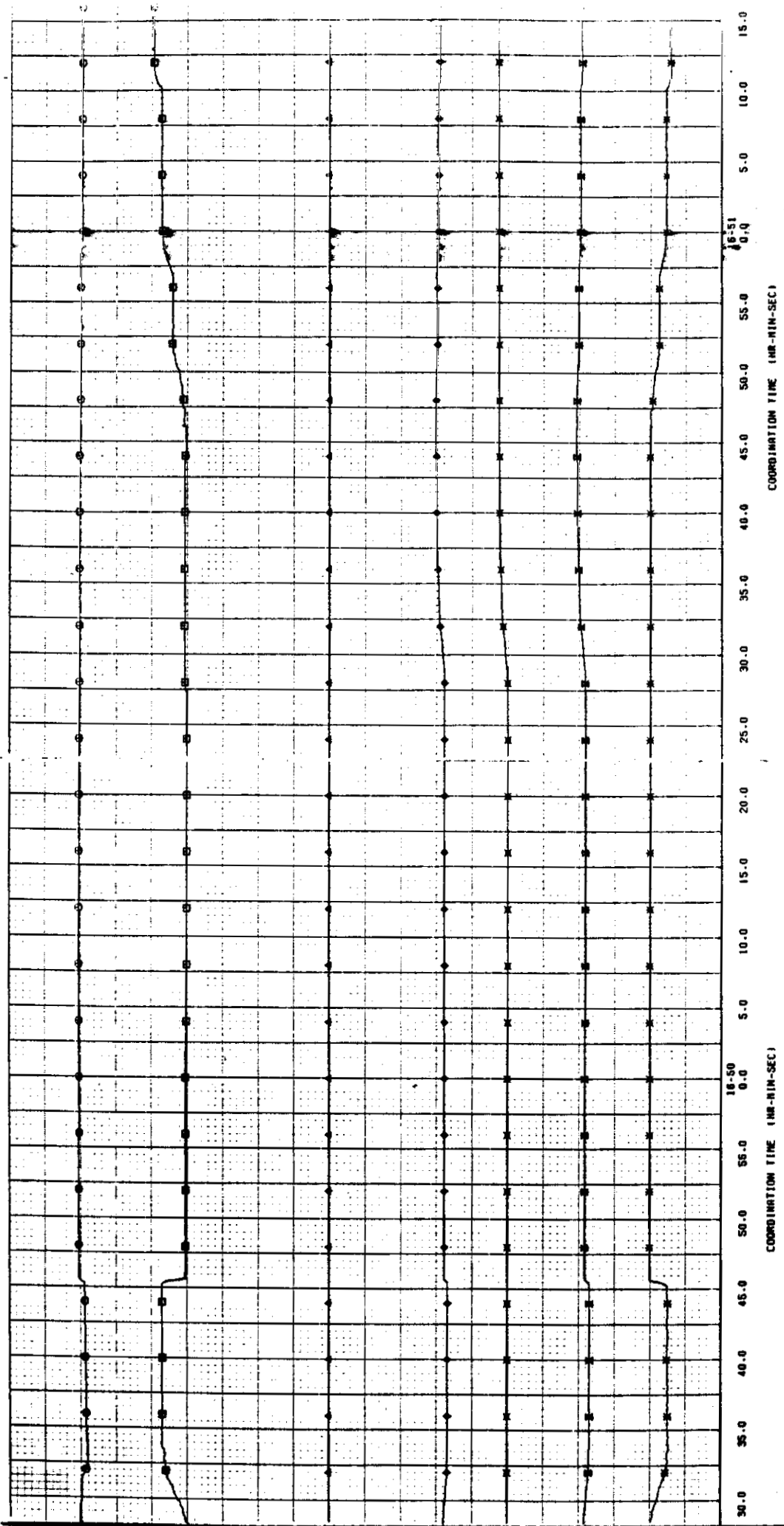


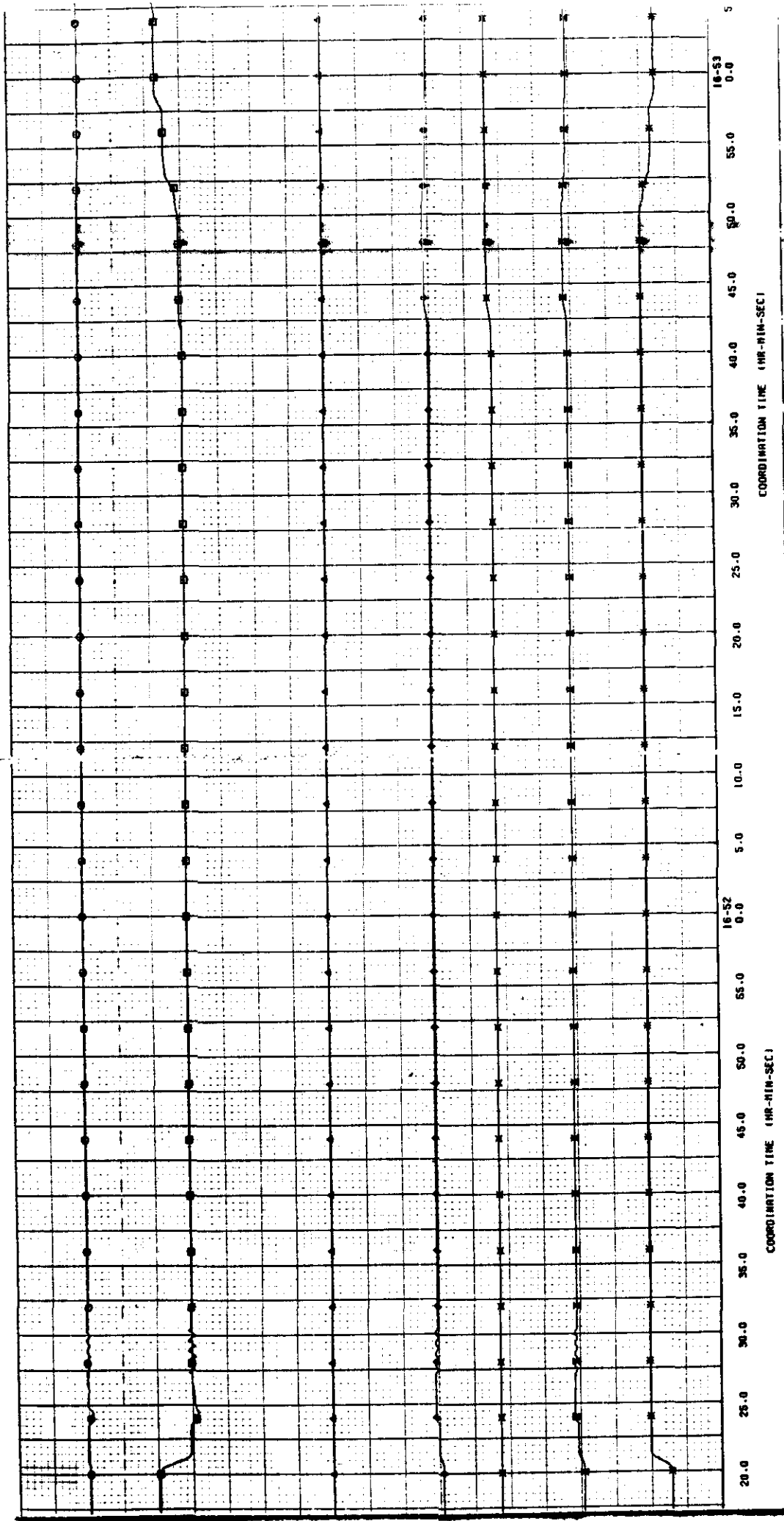
COORDINATION TIME (HR-MIN-SEC)

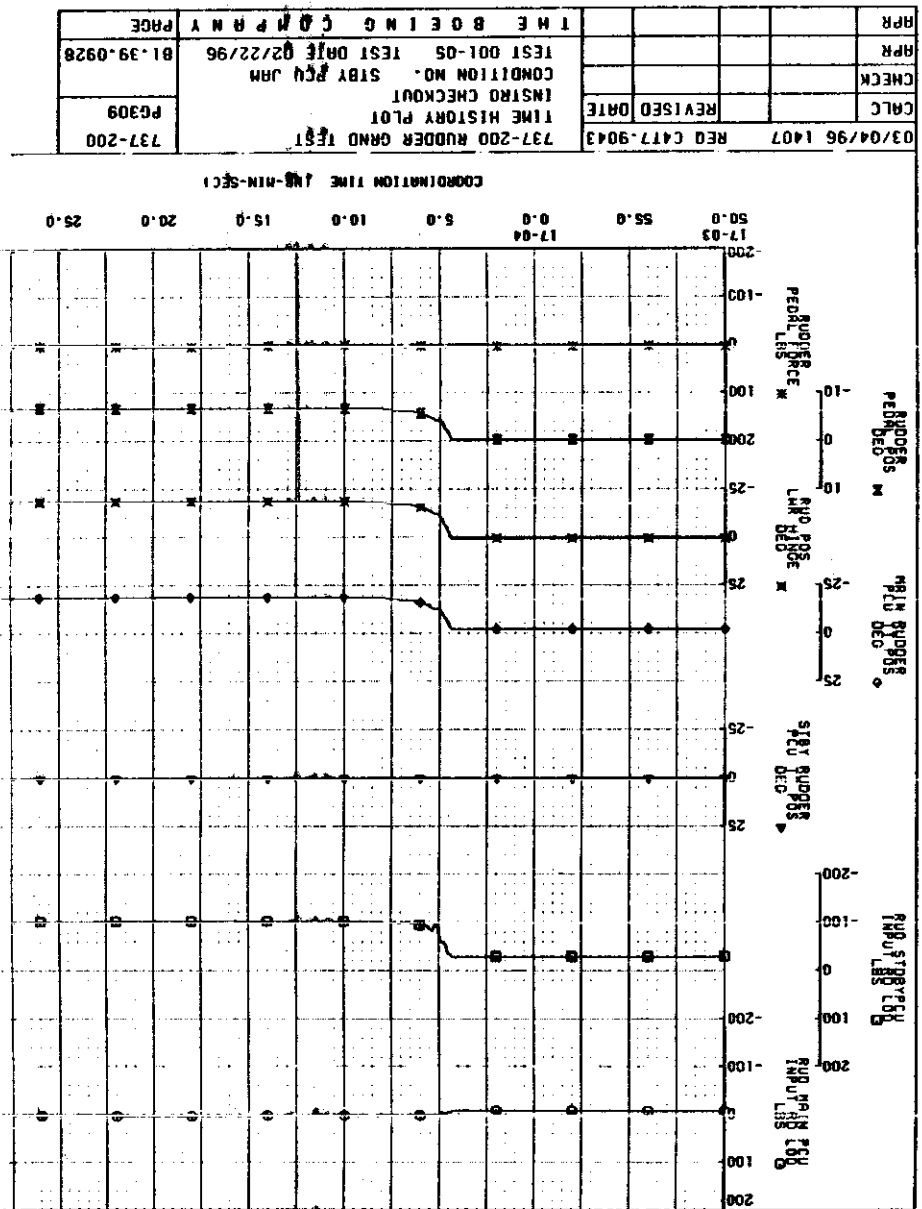
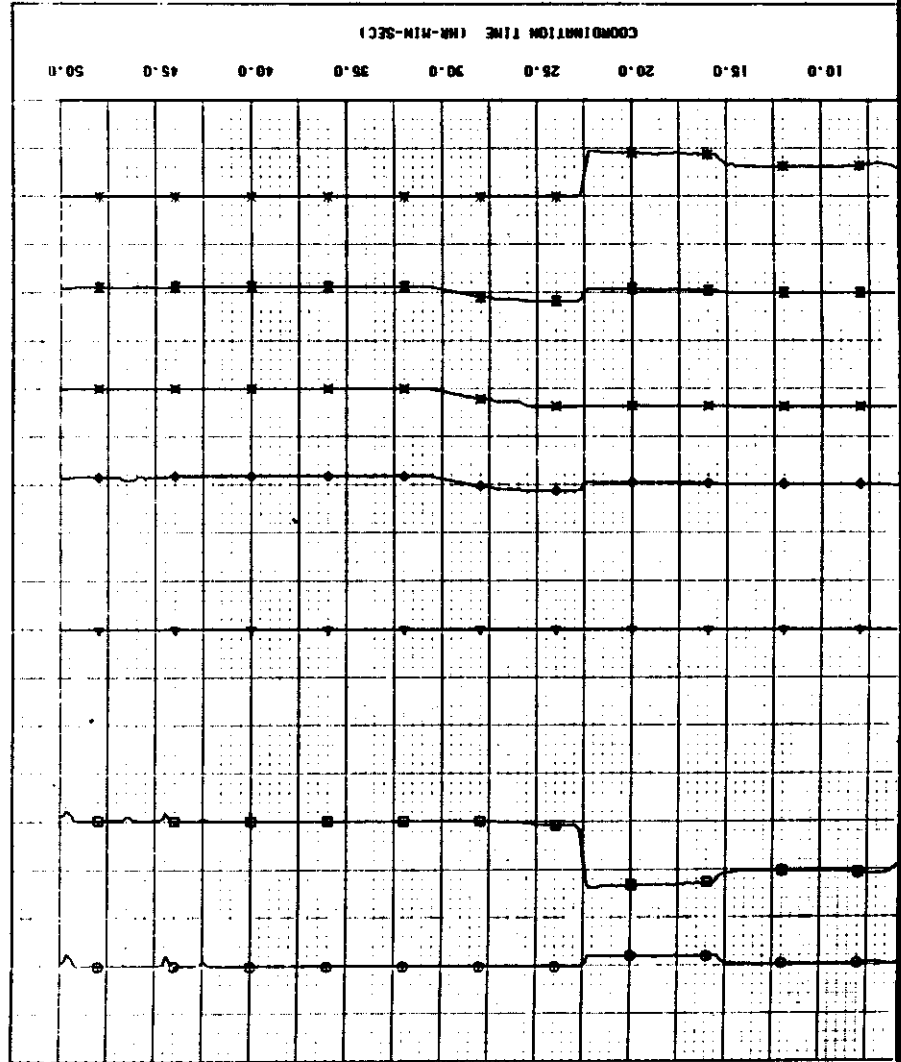
03/04/96 1407		REQ C477-9043		737-200 RUDDER GRND [EST]		737-200	
CALC		REVISED DATE		TIME HISTORY PLOT		PG309	
CHECK				INSTR CHECKOUT			
APR				CONDITION NO. -016--021		BL-39-0928	
APR				TEST 001-05 TEST DATE 02/22/96		PAGE	
				THE GOING COMPANY			

FORMAT 1
737-200, RUDDER GROUND TESTING/INSTR CHECKOUT



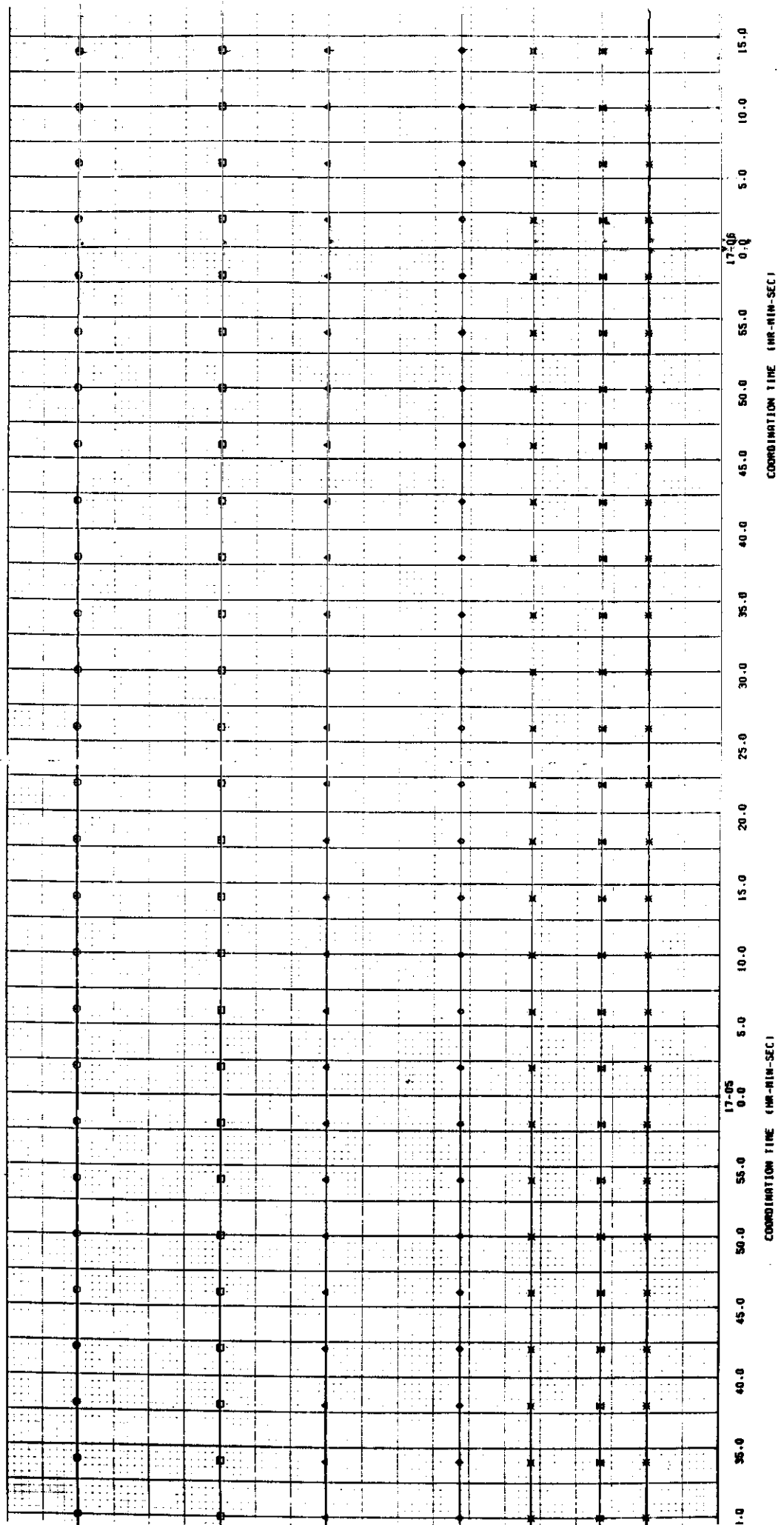


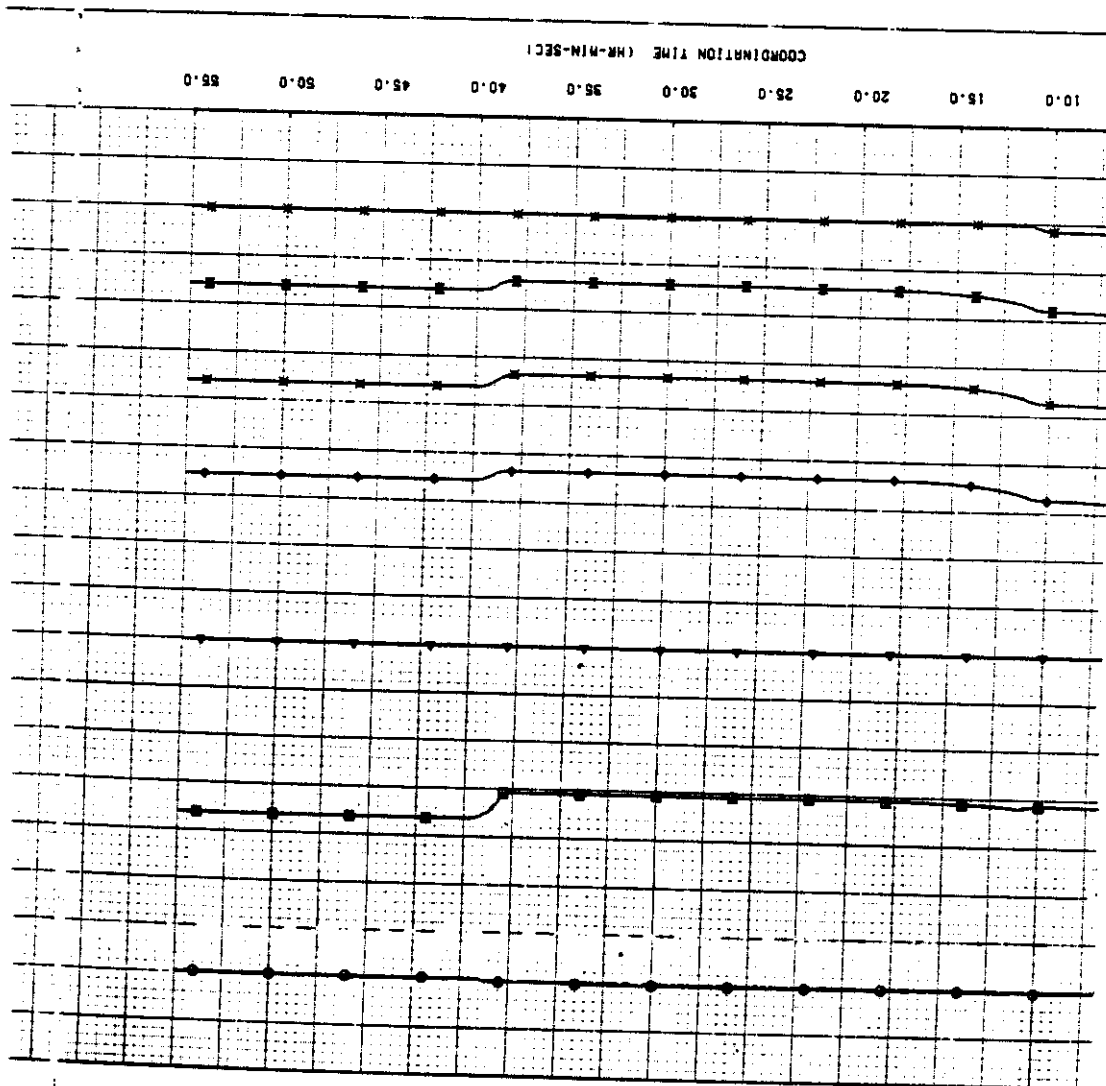




03/04/96 1407	REQ CAT7-9043	737-200 RUDDER GRND TEST	TIME HISTORY PLOT	PG309
CALC	REVISED DATE	INSTRO CHECKOUT	CONDITION NO. STBY PCU JRM	81.39.0928
CHECK			TEST 001-05 TEST DATE 02/22/96	81.39.0928
APR			TIME BEING CAPTURED	PAGE
APR				

FORMAT 1
737-200, PG309, RUDDER GRND TEST/INSTRO CHECKOUT





737-200, PG309, RUDDER GROUND TESTING/INSTRO CHECKOUT

03/04/96 1407	REQ CAT7-9043	737-200 RUDDER GRND TEST	TIME HISTORY PLOT	INSTRO CHECKOUT	CONDITION NO. STBY PCU JAN.1	TEST 001-05 TEST DATE 02/22/96	PG309	737-200
APR	APR	CHECK	REVISED DATE	TIME HISTORY PLOT	INSTRO CHECKOUT	CONDITION NO. STBY PCU JAN.1	PG309	737-200
APR	APR	CHECK	REVISED DATE	TIME HISTORY PLOT	INSTRO CHECKOUT	CONDITION NO. STBY PCU JAN.1	PG309	737-200
APR	APR	CHECK	REVISED DATE	TIME HISTORY PLOT	INSTRO CHECKOUT	CONDITION NO. STBY PCU JAN.1	PG309	737-200

