

NO-A164 433

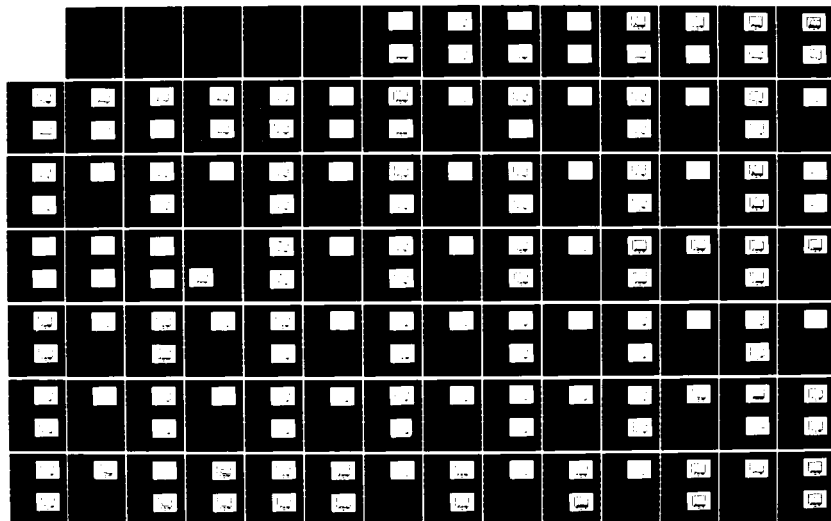
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF
PROTECTION DEVICES FOR. (U) ELECTROSPACE SYSTEMS INC
ARLINGTON VA D BOOSON ET AL. 31 OCT 85

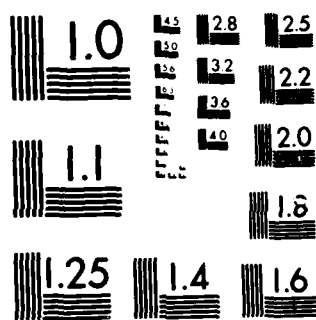
1/3

UNCLASSIFIED

NCS-T18-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

NL

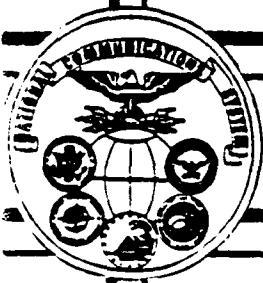




MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

NCS TIB 85-10



NATIONAL COMMUNICATIONS SYSTEM

VOLUME III

TEST DATA

ELECTROMAGNETIC PULSE TESTING
OF PROTECTION DEVICES

SECTION 2

HIGH IMPEDANCE/HIGH VOLTAGE
TEST

50 OHMS - 4500 VOLTS

AD-A164 433

DTIC FILE COPY

OCTOBER 1985

This document has been approved
for public release and its
distribution is unlimited.

DTIC
SEP 19 1986
E

This document has been approved for public release and its distribution is unlimited.

86 2 0 032

AD A164 433

2

REPORT DOCUMENTATION PAGE

1a REPORT SECURITY CLASSIFICATION Unclassified			1b RESTRICTIVE MARKINGS None		
2a SECURITY CLASSIFICATION AUTHORITY			3 DISTRIBUTION AVAILABILITY OF REPORT Approved for public release distribution unlimited		
2b DECLASSIFICATION/DOWNGRADING SCHEDULE					
4 PERFORMING ORGANIZATION REPORT NUMBER(S) NCS TIB 05-10, Vol. III, Section 2			5 MONITORING ORGANIZATION REPORT NUMBER(S)		
6a NAME OF PERFORMING ORGANIZATION Electrospace Systems, Inc.		6b OFFICE SYMBOL (if applicable)		7a NAME OF MONITORING ORGANIZATION National Communications System Technology & Standards	
6c ADDRESS (City, State, and ZIP Code) 1725 S. Jefferson Davis Hwy., Suite 501 Arlington, VA 22202-0668			7b ADDRESS (City, State, and ZIP Code) Washington, D.C. 20305-2010		
8a NAME OF FUNDING SPONSORING ORGANIZATION National Communications System		8b OFFICE SYMBOL (if applicable) NCS-TS		9 PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER DCA100-85-C-0010	
9a ADDRESS (City, State, and ZIP Code) Washington, D.C. 20305-2010			10 SOURCE OF FUNDING NUMBERS		
PROGRAM ELEMENT NO 33127K		PROJECT NO		TASK NO 01.6	WORK UNIT ACCESSION NO CRDI D00
11 TITLE (Include Security Classification) <i>Volume III</i> Electromagnetic Pulse Transient Threat Testing of Protection Devices for Amateur Military Affiliate Radio System Equipment (U) <i>Section 2, High-Frequency/High Voltage Test To OAMs As an U.S. Unit</i>					
12 PERSONAL AUTHOR(S) Dennis Bodson, NCS; Joseph Frizzell and Thomas Higdon (ESI); Walter Rabke (Consultant)					
13a TYPE OF REPORT Technical		13b TIME COVERED FROM TO		14 DATE OF REPORT (Year, Month, Day) 1985, October, 31	
15 PAGE COUNT					
16 SUPPLEMENTARY NOTATION					
17 COSATI CODES			18 SUBJECT TERMS (Continue on reverse if necessary and identify by block number)		
FIELD	GROUP	SUB-GROUP	Amateur Radio Equipment EMP, Lightning Protection, Electro- magnetic Pulse (EMP) Protection Devices Test, EMP, Lightning, a Transient Electrical/Magnetic Pulses. <i>4</i>		
19 ABSTRACT (Continue on reverse if necessary and identify by block number)					
This technical report discusses the vulnerability of equipment used by amateur/MARS radio operators in the United States to disruption or damage by transient electromagnetic effects such as lightning, voltage surges, and electromagnetic pulse (EMP) waves. It also reports the results of two test programs; one to evaluate existing transient suppression devices and components, and one to evaluate the response of amateur radio equipment to an EMP transient environment. Based on the test results, the report recommends procedures and a low-cost installation scheme which will significantly increase the operational survivability of amateur type communications equipment in a lightning or EMP environment. This report consists of three volumes. Volume I (200 pages) contains the test results and recommendations for transient protection of amateur radio equipment. Volume II					
20 DISTRIBUTION AVAILABILITY OF ABSTRACT UNCLASSIFIED UNLIMITED ☐ SAME AS RPT ☐ DTIC USERS			21 ABSTRACT SECURITY CLASSIFICATION Unclassified		
22a NAME OF RESPONSIBLE INDIVIDUAL Dennis Bodson			22b TELEPHONE (Include Area Code) 202) 692-2124		22c OFFICE SYMBOL NCS/TS

Block 19 Continued - ABSTRACT

UNCLASSIFIED

1955

NCS TECHNICAL INFORMATION BULLETIN 65-10

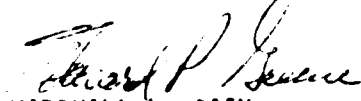
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF PROTECTION
DEVICES FOR AMATEUR/MILITARY AFFILIATE RADIO SYSTEM EQUIPMENT

OCTOBER 1965

PROJECT OFFICER

DENNIS BOBSON
Senior Electronics Engineer
Office of Technology
and Standards

: APPROVED FOR PUBLICATION:

For 
MARSHALL L. CAIN
Assistant Manager
Office of Technology
and Standards

FOREWORD

The National Communications System (NCS) is an organization of the Federal government whose membership is comprised of 22 Government entities. Its mission is to assist the President, National Security Council, Office of Science and Technology Policy, and Office of Management and Budget in:

- o The exercise of their wartime and non-wartime emergency functions, and their planning and oversight responsibilities.
- o The coordination of the planning for and provision of National Security/Emergency Preparedness communications for the Federal government under all circumstances including crisis or emergency.

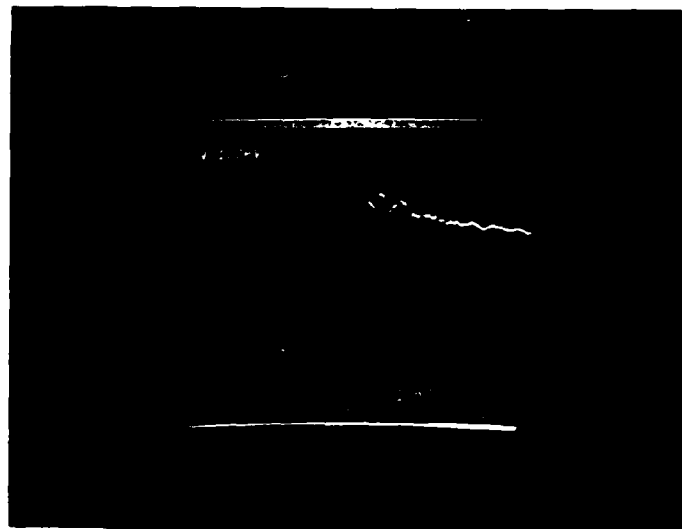
In support of this mission the NCS has executed a Memorandum of Understanding with the American Radio Relay League. Its purpose is to establish a broad framework for a cooperative and close working relationship with volunteer radio amateurs for support of national emergency communications functions. It is intended through joint coordination and exercise of the resources of both organizations, to enhance the nation-wide posture of telecommunications readiness for any conceivable national emergency. This particular Technical Information Bulletin is one of a series aimed at developing an awareness in the radio amateur community of practical, low cost EMP protective procedures, devices, and equipment which may if utilized significantly enhance the probability of amateur radio resources escaping serious damage during emergency situations involving EMP events.

Comments, on this TIB are welcome, and should be addressed to:

Office of the Manager
National Communications System
ATTN: NCS-TS
Washington, DC 20305-2010
(202) 692-2124

50 Ω INPUT Z - REFERENCE -

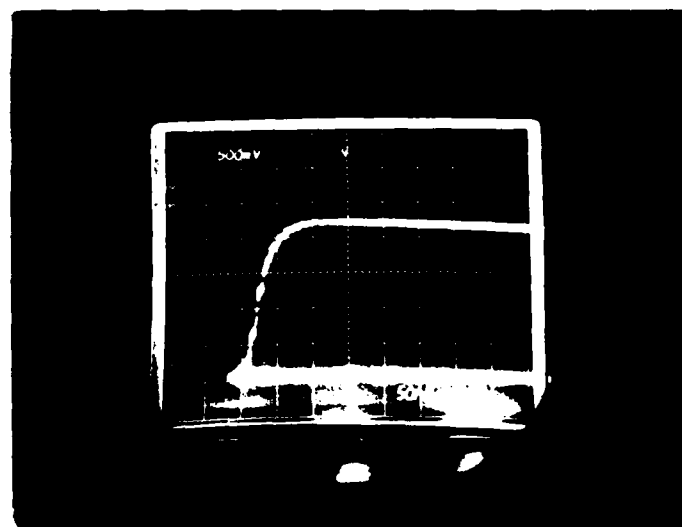
Date	6-5-85		
Test Point	-		
Amplification	dB		
Attenuation	dB		
Horizontal	10	ns/div	1
Vertical	.1V ()	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulse Level	+4500V		
Data Link			
Comments:			



756

CURRENT PULSE WITH 50 Ω INPUT Z

Date	6-5-85		
Test Point			
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (1000)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulse Level	+4500		
Data Link			
Comments:			

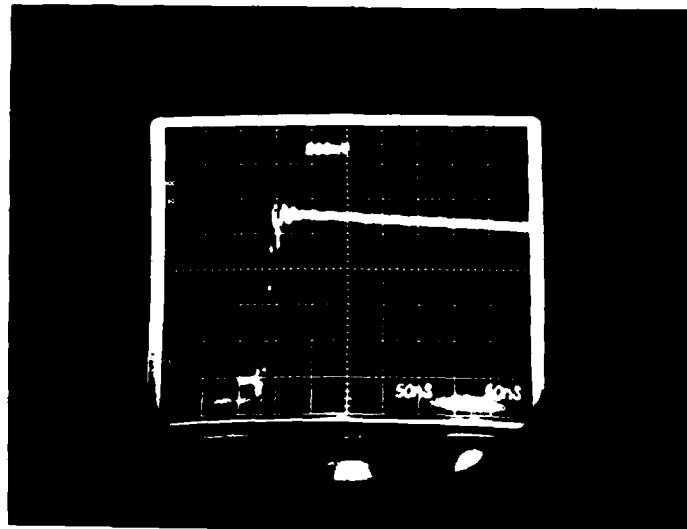


757

REFERENCE
VOLTAGE WITH 50 Ω INPUT Z AND 510 Ω LOAD.

REFERENCE

Date	6-7-85		
Test Point	REF - PULSE		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+ 4500V		
Data Link			
Comments:	027		



REFERENCE PULSE WITH OUT - VARISTOR IN
PICK UP LINE -

50 Ω INPUT Z

Date	6-7-85		
Test Point	REF - PULSE		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+ 4500V		
Data Link			
Comments:	1025		

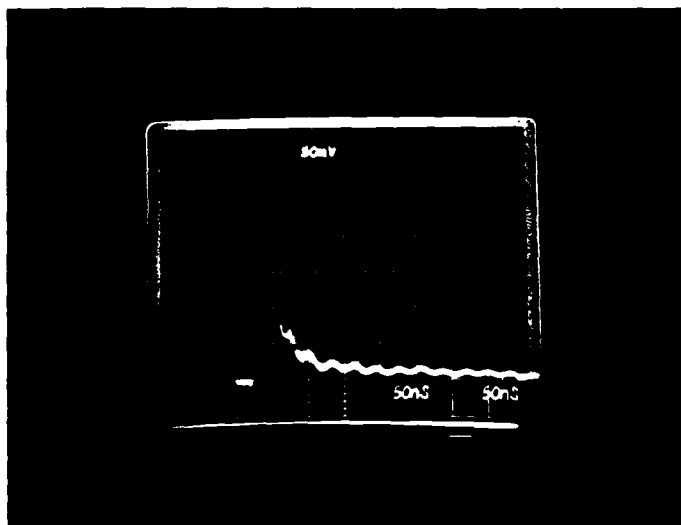


REFERENCE PULSE WITH VARISTOR IN
PICK-UP LINE -

50 Ω INPUT Z

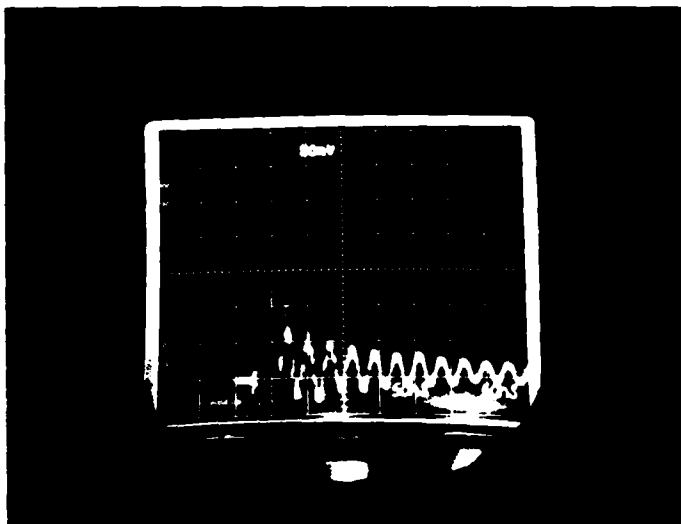
REFERENCE

Date	6-7-85
Test Point	56-CH-1/10 A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	



WITH VARISTOR IN PICK-UP LINE

Date	6-7-85
Test Point	56-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	

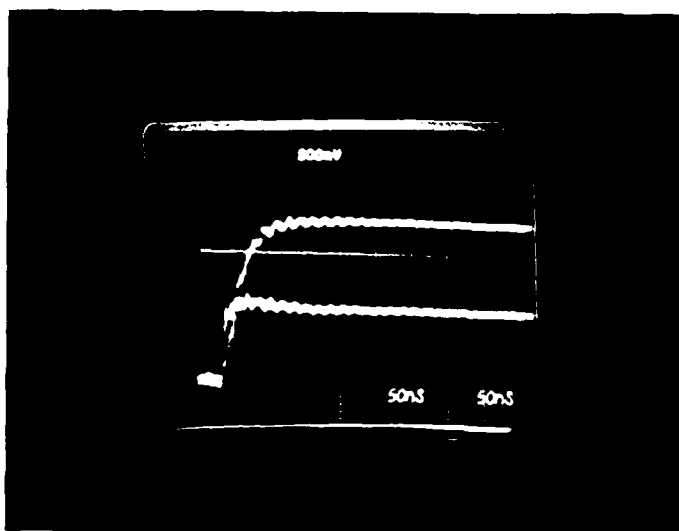


WITHOUT VARISTOR IN PICK-UP LINE.

Date 6-11-85
 Test Point 1-CH-10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

1193

DATA @ .1V (200V)

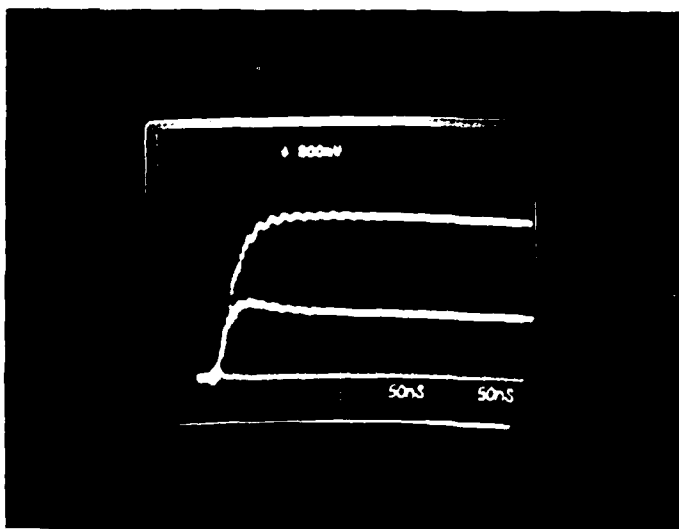


1193

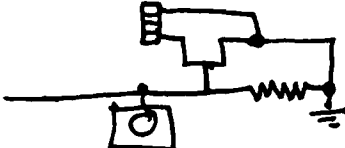
Date 6-11-85
 Test Point 1R-CH-10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

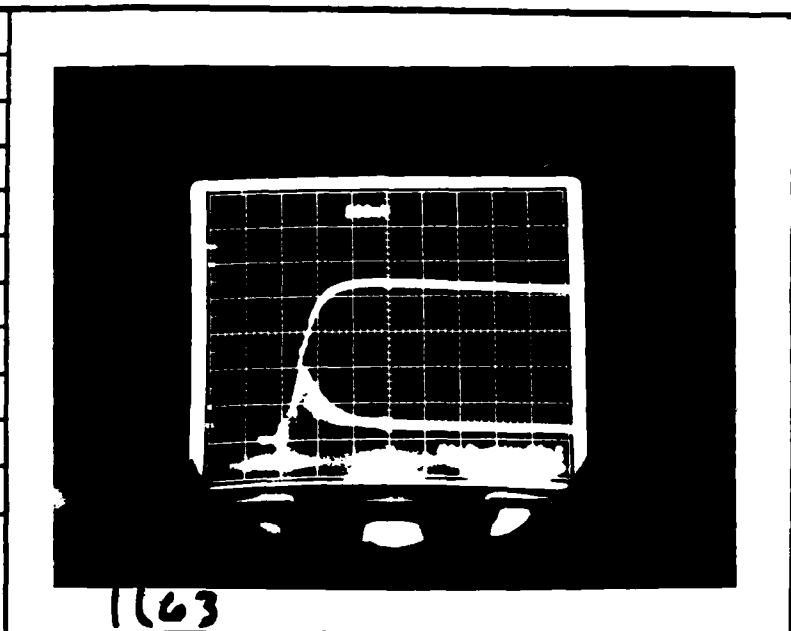
1194

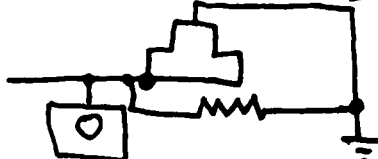
DATA @ .1V (200V)

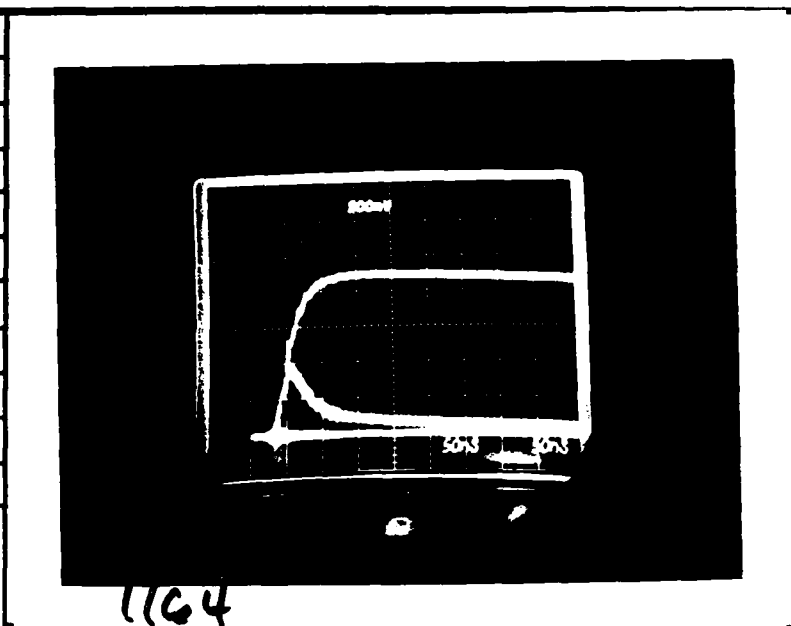


1194

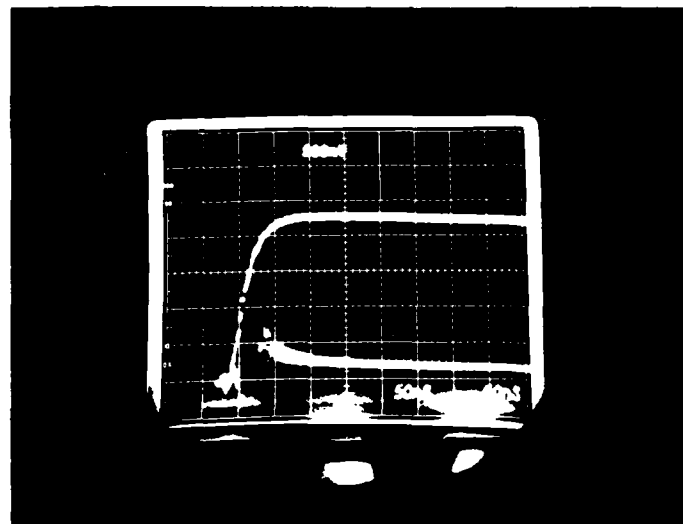
Date	6-10-85
Test Point	2-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	1163
DATA @ -1V (200V) 100V (100V)	
	



Date	6-10-85
Test Point	2R-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	1164
DATA @ 10V (20V) 100V (100V)	
	



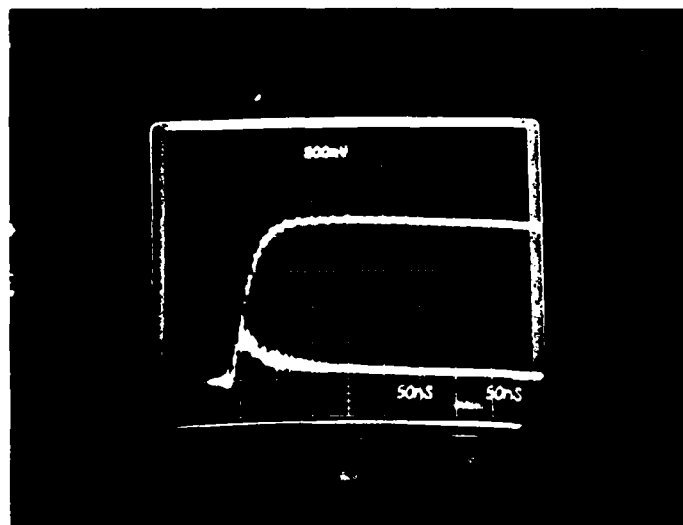
Date	6-10-85
Test Point	3-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1165

DATA @ .1V
V (200V)

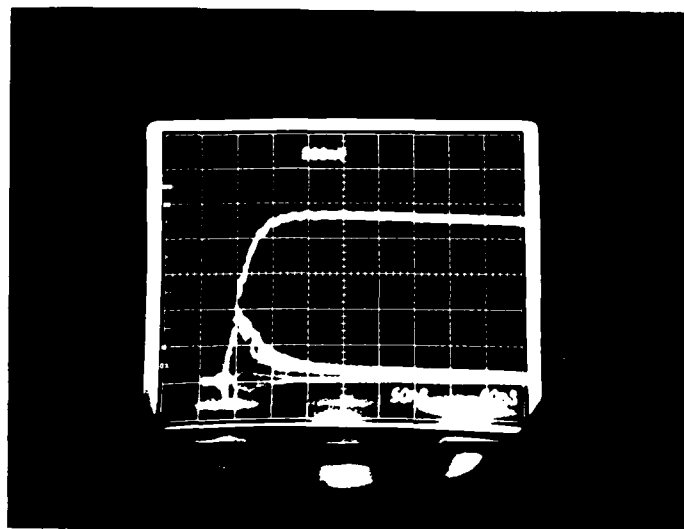
Date	6-10-85
Test Point	3R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1166

DATA @
.1V (200V)

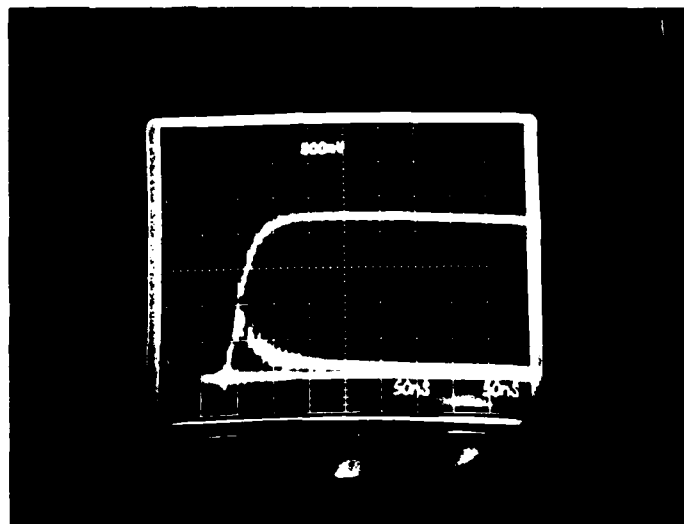
Date	6-10-85
Test Point	4-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



K67

DATA @ .1V
i. (200V)

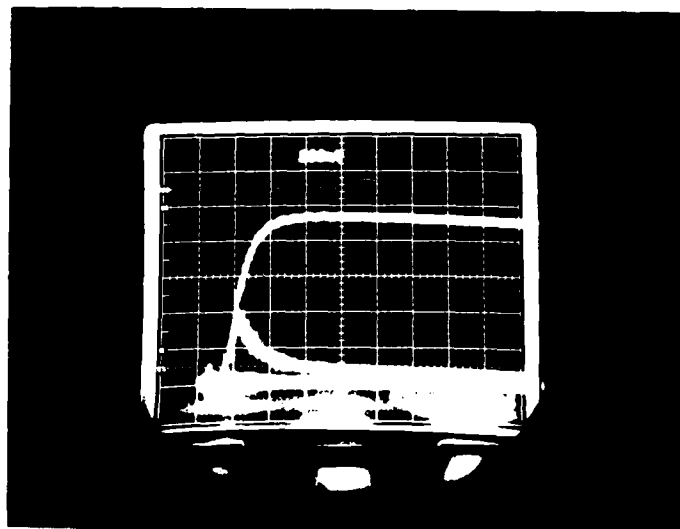
Date	6-10-85
Test Point	4R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



K68

DATA @ .1V
i. (200V)

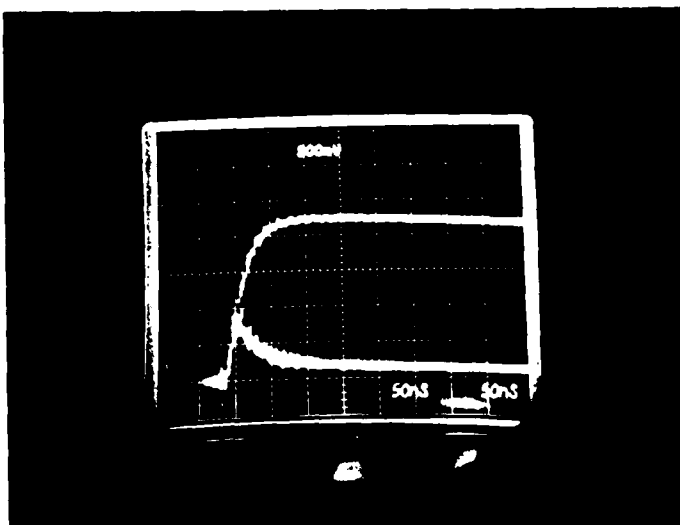
Date	6-10-85
Test Point	4-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1169

DATA @ .1V
1.5V (200V)

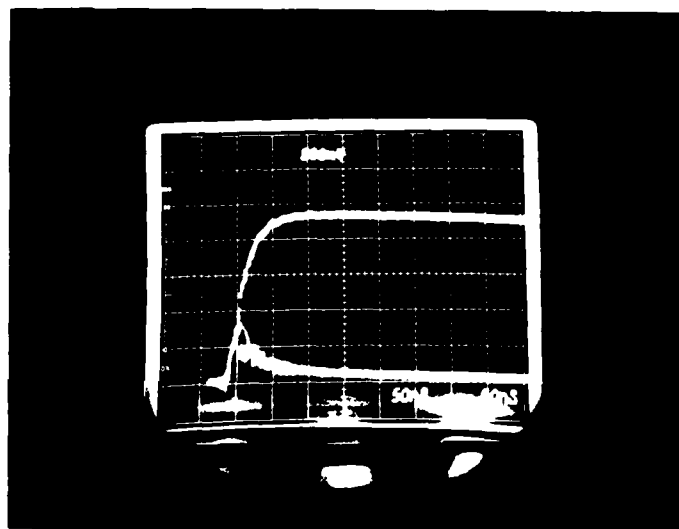
Date	6-10-85
Test Point	4R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1170

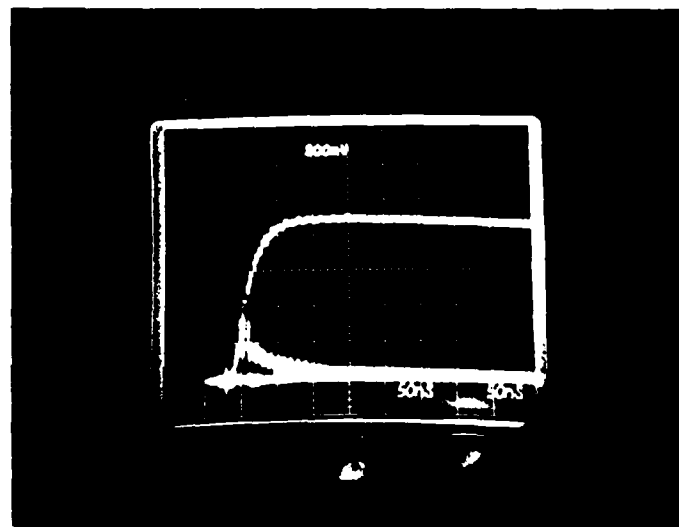
DATA @ .1V
1.5V (200V)

Date	6-10-85
Test Point	5-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



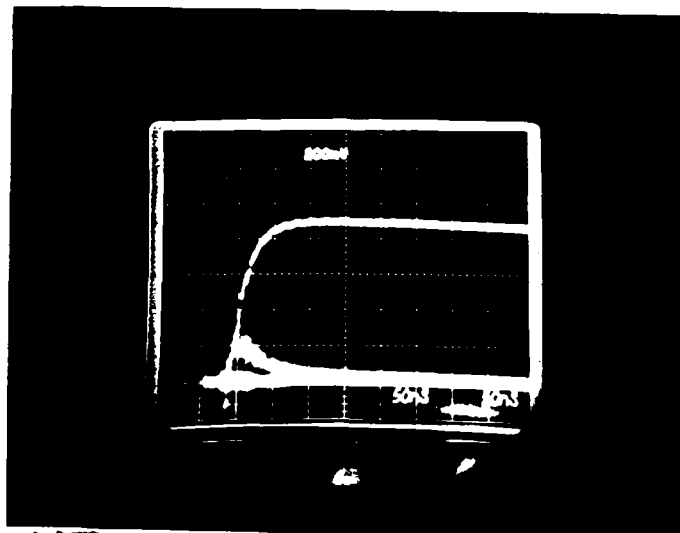
DATA @ .1V
~~100V~~ (200V)

Date	6-10-85
Test Point	5R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .1V
~~100V~~ (200V)

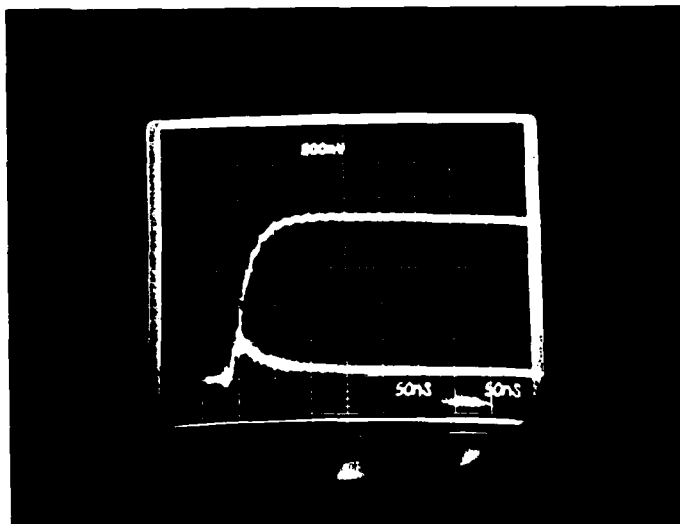
Date	6-10-85
Test Point	5-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1173

DATA @ .1V
~~1.5V~~ (200V)

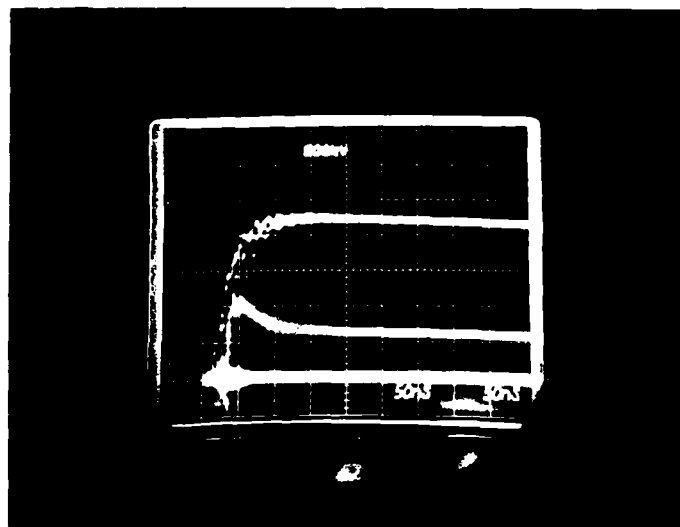
Date	6-10-85
Test Point	SR-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1174

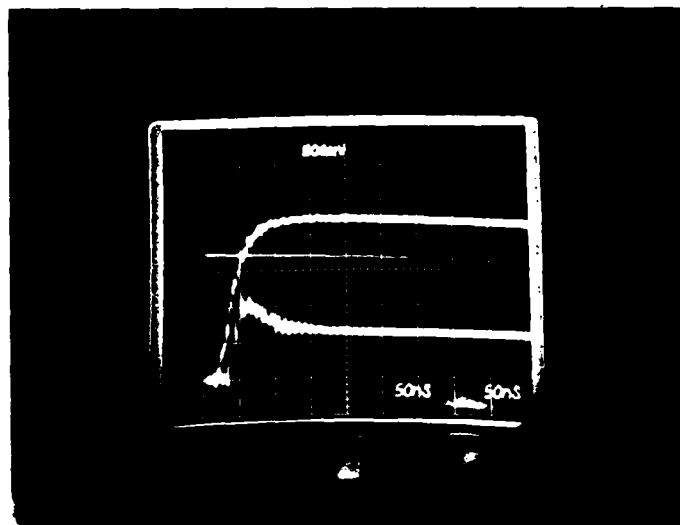
DATA @ .1V
~~1.5V~~ (200V)

Date	6-10-85
Test Point	6-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



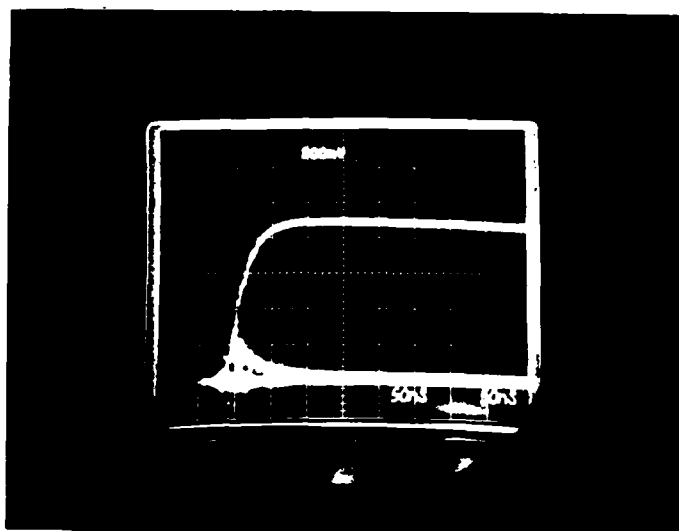
DATA @ .05V (100V)

Date	6-10-85
Test Point	6R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



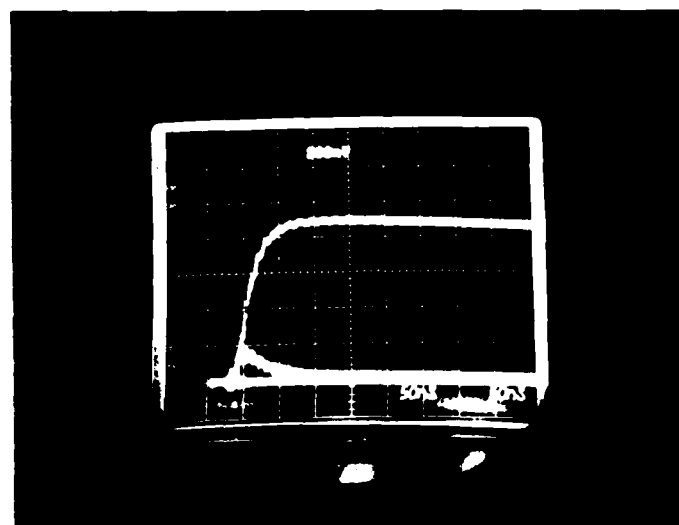
DATA @ .05V (100V)

Date	6-10-85
Test Point	7-CH-Y10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



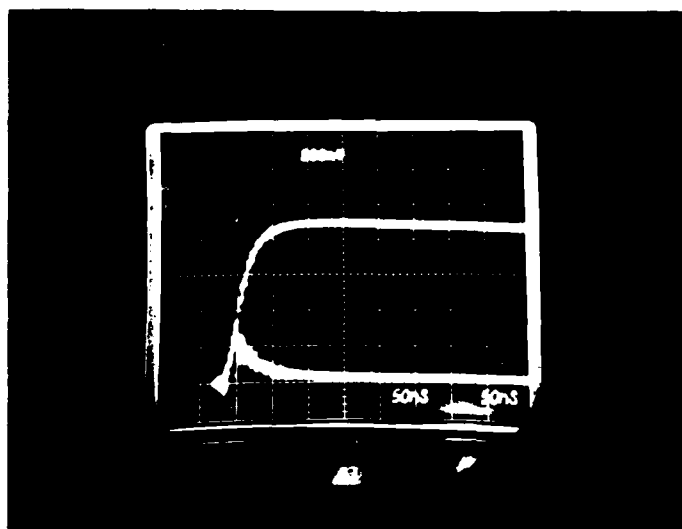
DATA @ ^{1.5V}~~1.5V~~ (200V)

Date	6-10-85
Test Point	7R-CH-Y10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	



DATA @ ^{1.5V}~~1.5V~~ (200V)

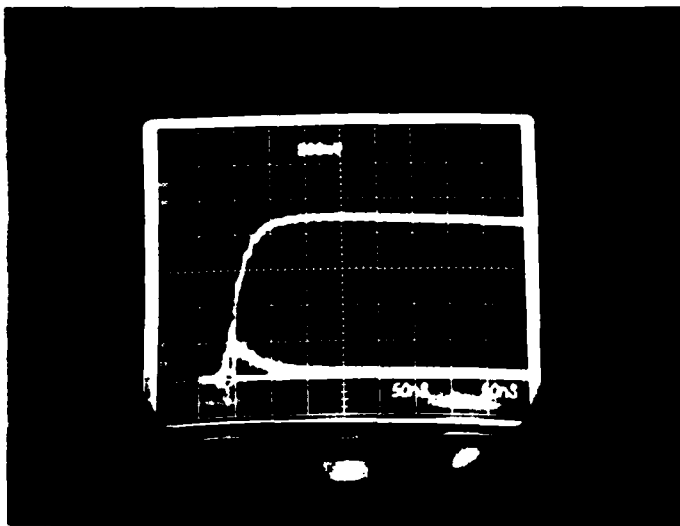
Date 6-10-85
 Test Point 8-CH-410- ϕ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



1177

DATA @ 1.1V (200V)

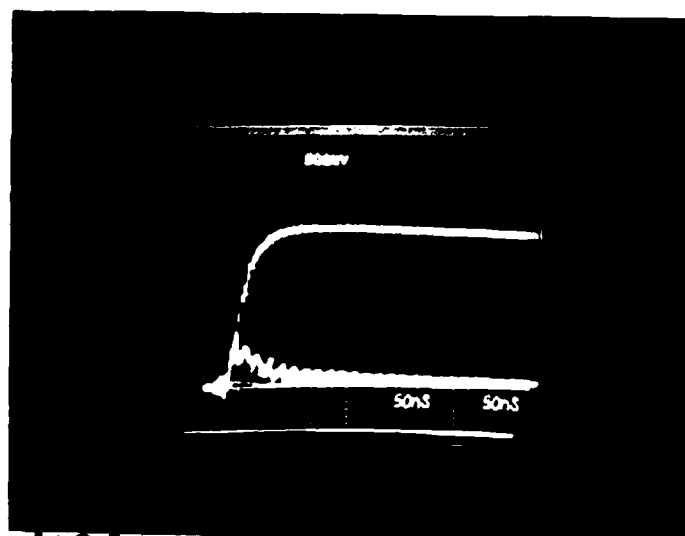
Date 6-10-85
 Test Point 8R-CH-410- ϕ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



1178

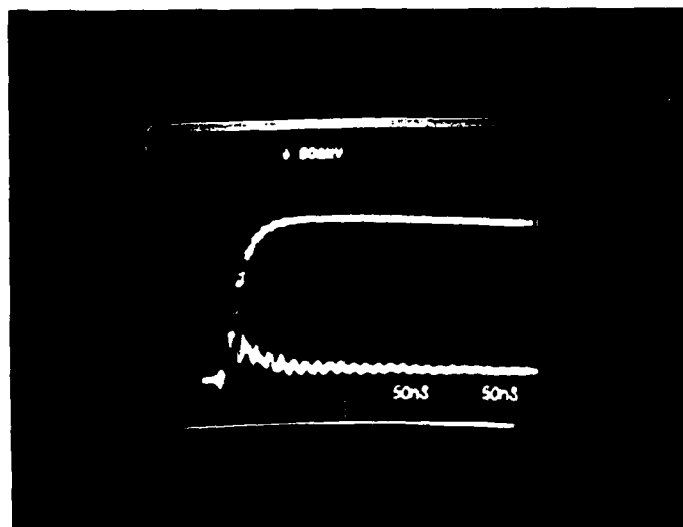
DATA @ 1.1V (200V)

Date	6-10-85
Test Point	9-CH-110-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1171



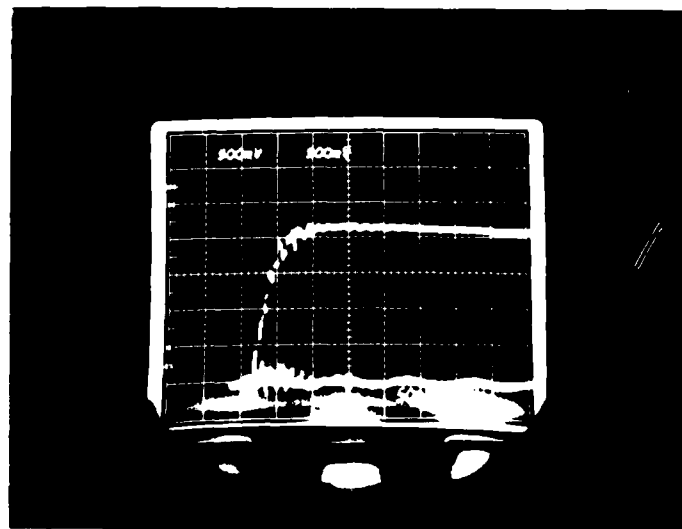
DATA @ .05V(100V)

Date	6-10-85
Test Point	9R-CH-110-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1192



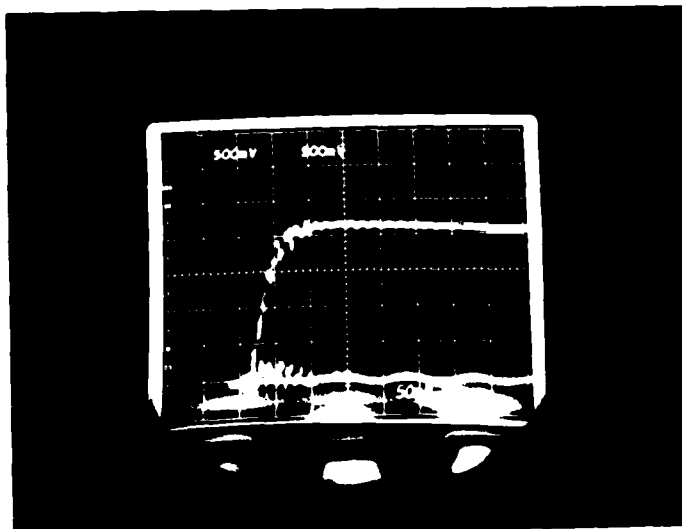
DATA @ .05V(100V)

Date 6-5-85
 Test Point 10 - CH - 1/10 - A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level 4500V
 Data Link
 Comments:



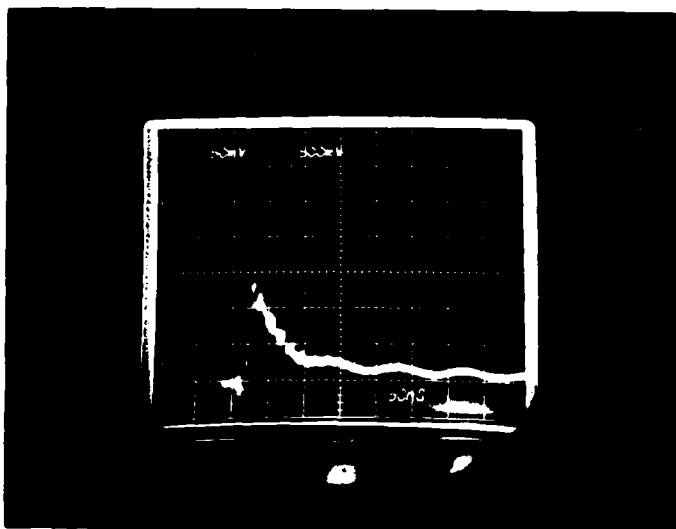
737

Date 6-5-85
 Test Point 10R - CH - 1/10 - A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



738

Date	6-5-85
Test Point	10 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	789

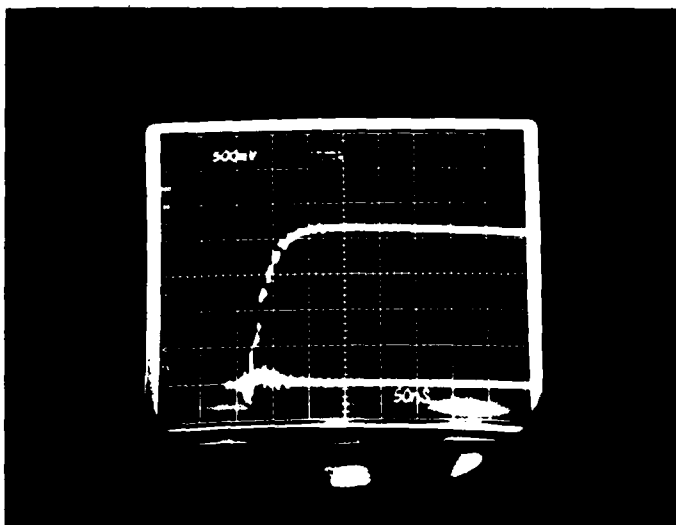


789

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	10-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

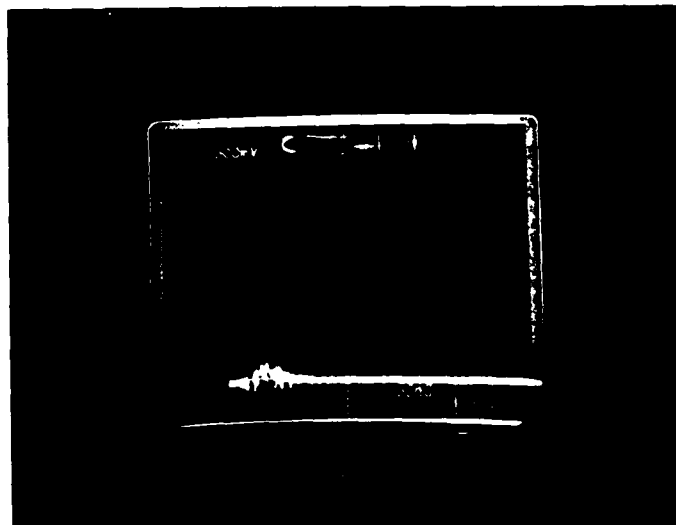
790



790

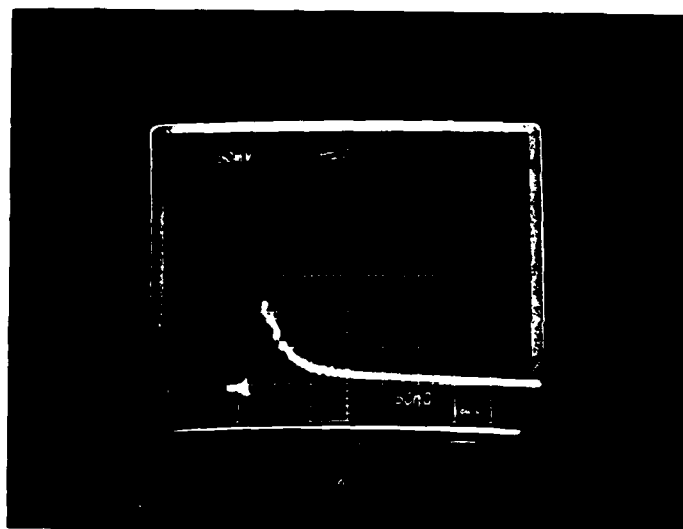
Date	6-5-85
Test Point	10R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

791



791

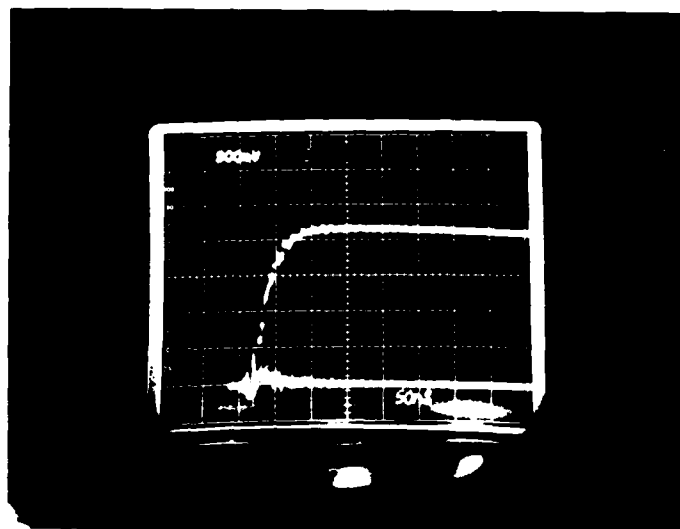
Date	6-5-85
Test Point	10-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



792

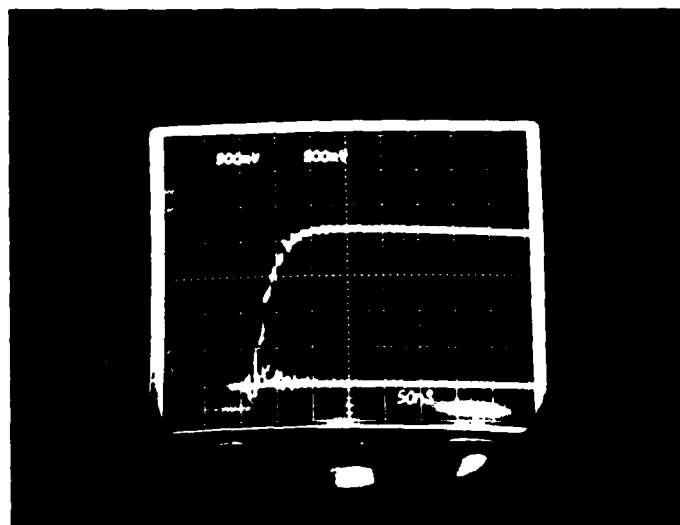
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date **6-5-85**
 Test Point **10-CH-410-C**
 Amplification dB
 Attenuation **20** dB
 Horizontal **50** ns/div 1
 Vertical **.5V(1000V)** mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level **4500V**
 Data Link
 Comments: **773**



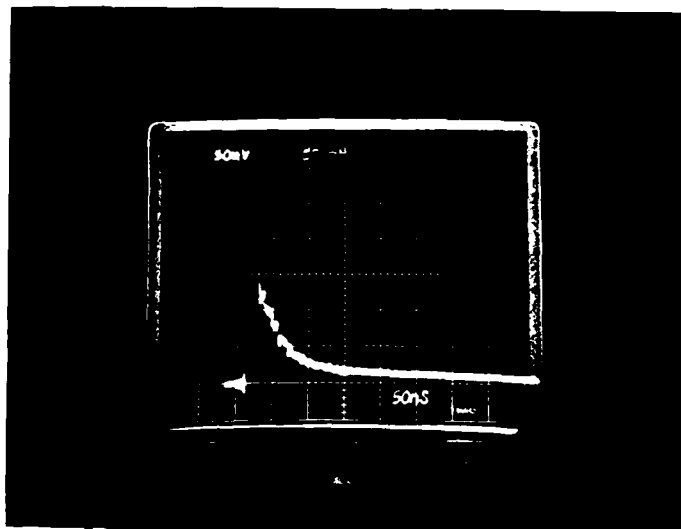
773

Date **6-5-85**
 Test Point **10R-CH-410-C**
 Amplification dB
 Attenuation **20** dB
 Horizontal **50** ns/div 1
 Vertical **.5V(1000V)** mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level **-4500V**
 Data Link
 Comments: **774**



774

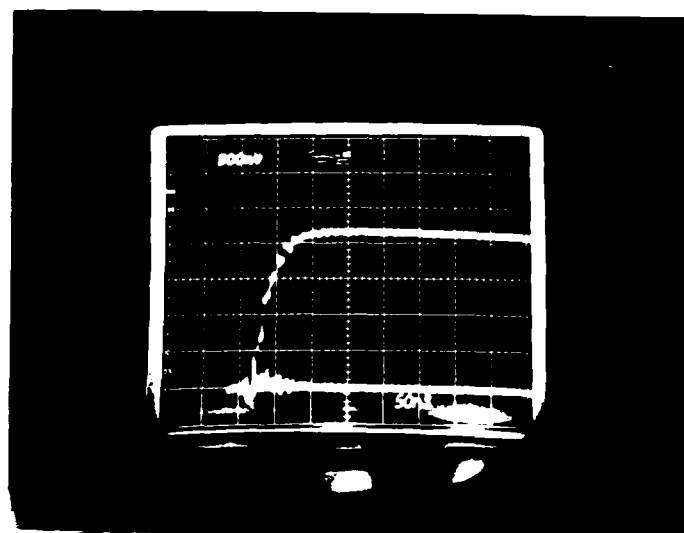
Date	6-5-85
Test Point	10-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	795



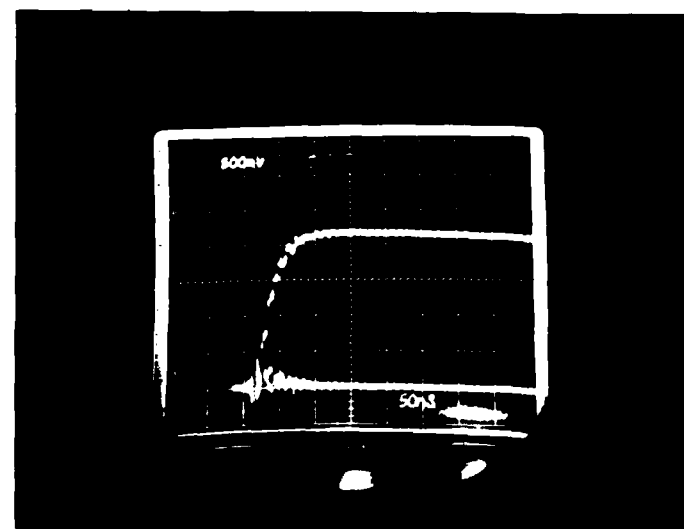
795

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

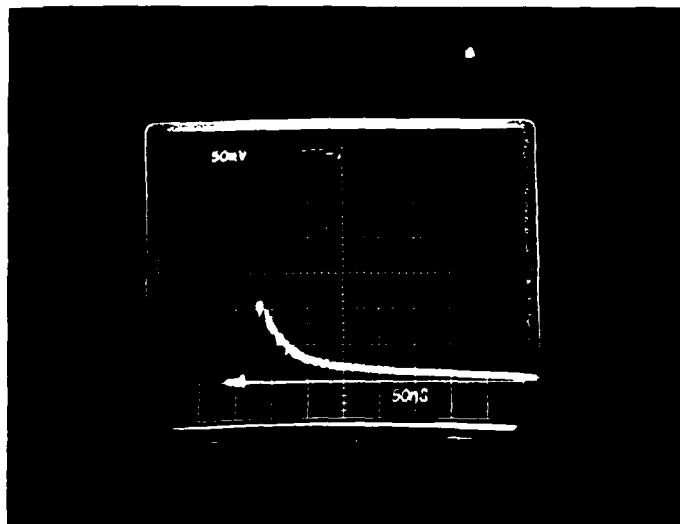
Date	6-5-85
Test Point	10-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	6-5-85
Test Point	10R-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	777

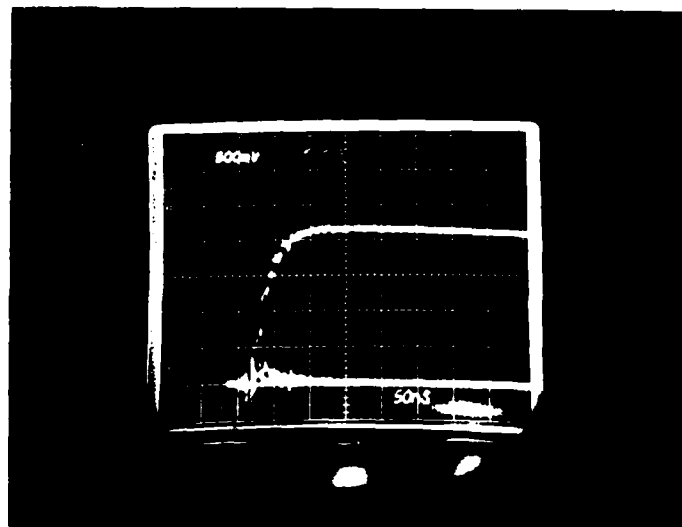


Date	6-5-85		
Test Point	10 - CH - 1/2 - D		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	0.5V (100V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	4500V		
Data Link			
Comments:	798		



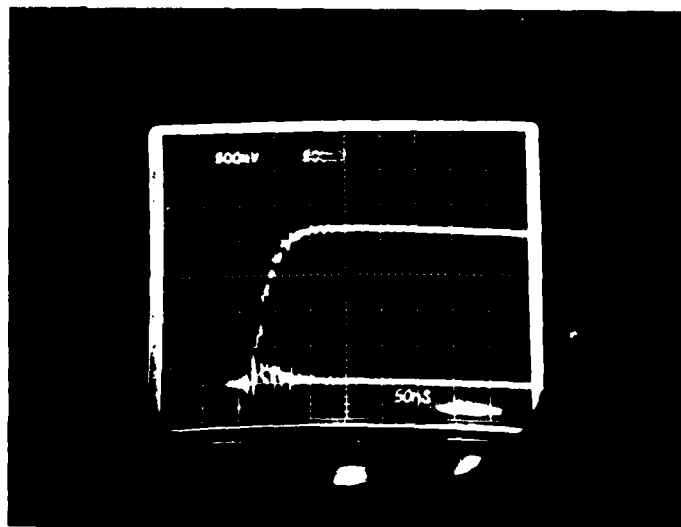
Date			
Test Point			
Amplification	dB		
Attenuation	dB		
Horizontal		ns/div	1
Vertical		mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level			
Data Link			
Comments:			

Date	6-5-85
Test Point	10-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level +	4500V
Date Link	
Comments:	779



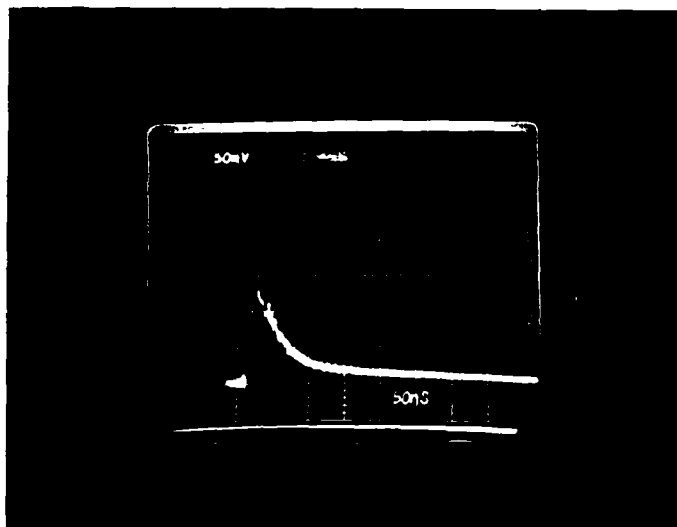
779

Date	6-5-85
Test Point	10R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level -	4500V
Date Link	
Comments:	800



800

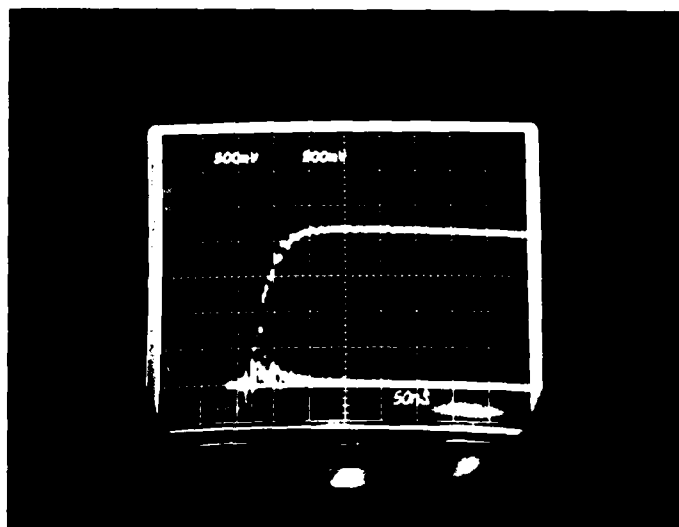
Date	6-5-85
Test Point	10-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



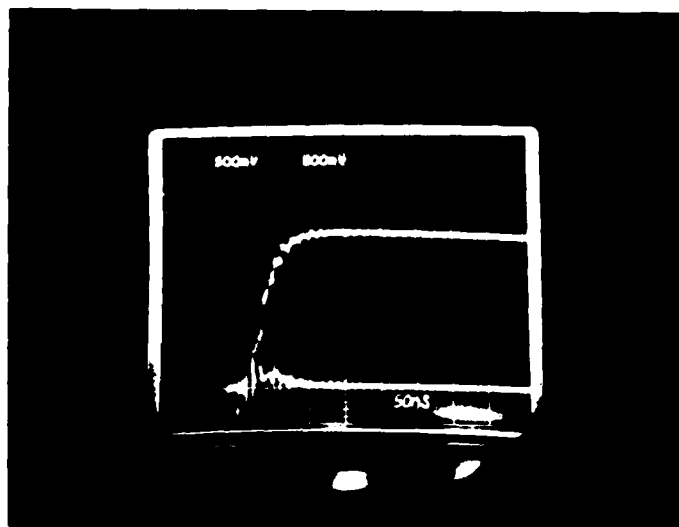
501

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

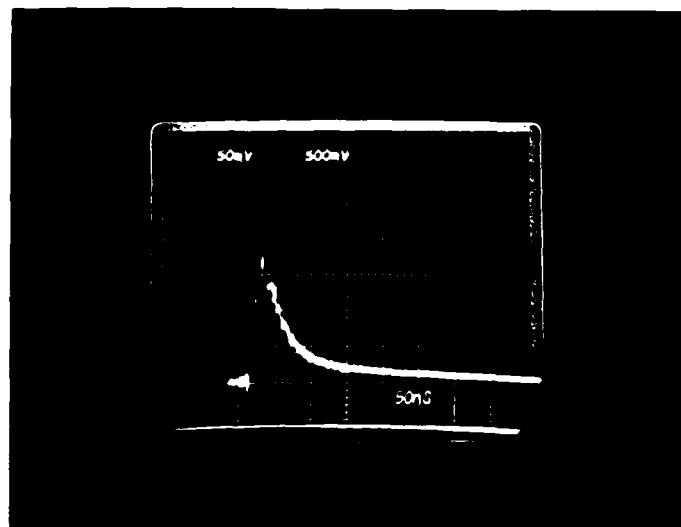
Date	6-5-85
Test Point	11-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	202



Date	6-5-85
Test Point	11R-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	203

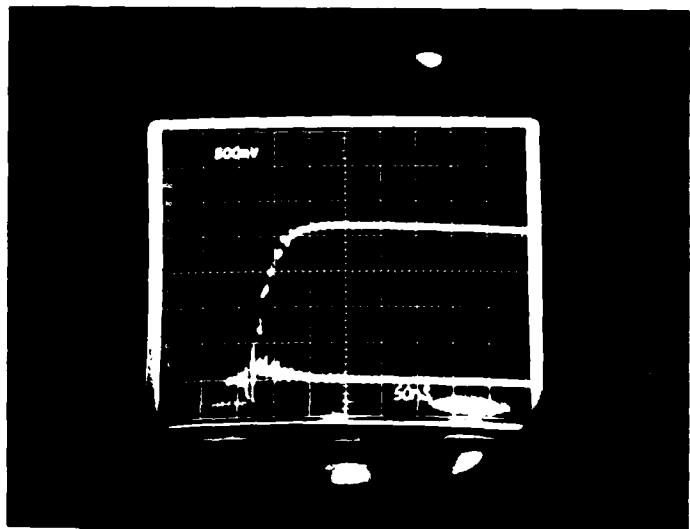


Date	6-5-85
Test Point	11-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	804



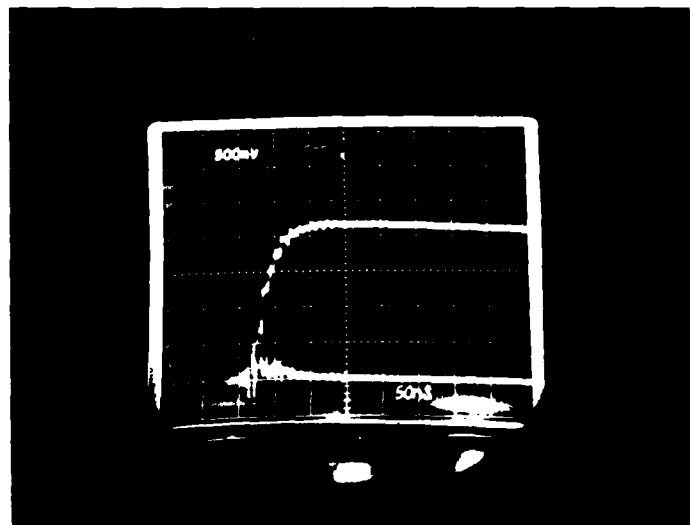
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	11-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	15V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	326



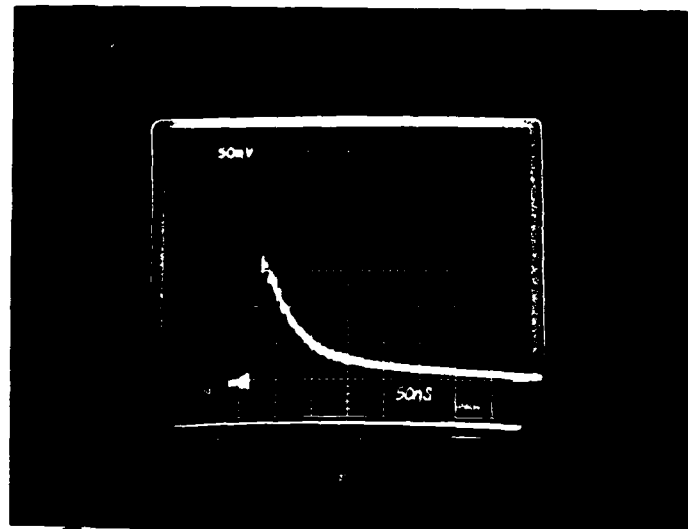
806

Date	6-5-85
Test Point	11R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	15V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	607



807

Date	6-5-85
Test Point	11-CH-'10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	508



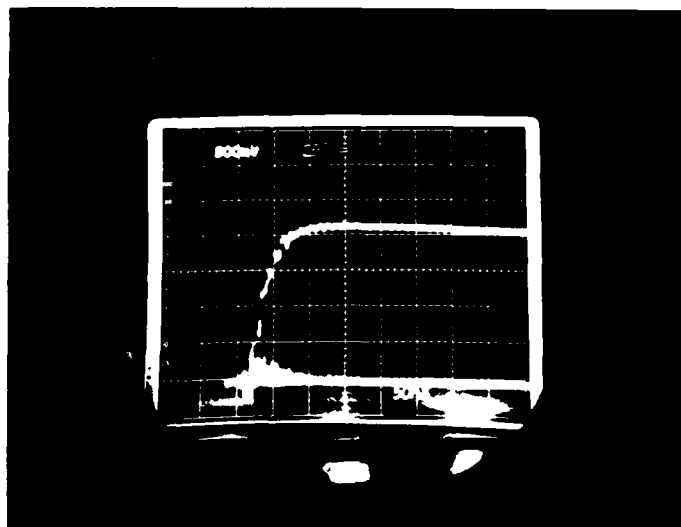
508

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date	6-5-85
Test Point	11-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

809

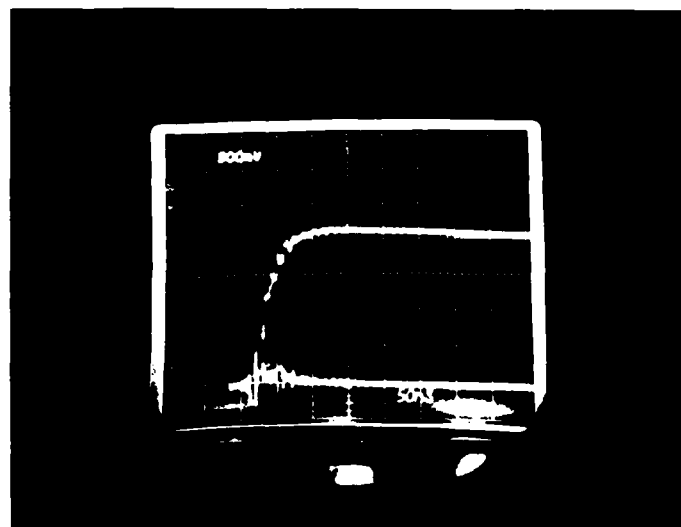


809

Date	6-5-85
Test Point	11R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

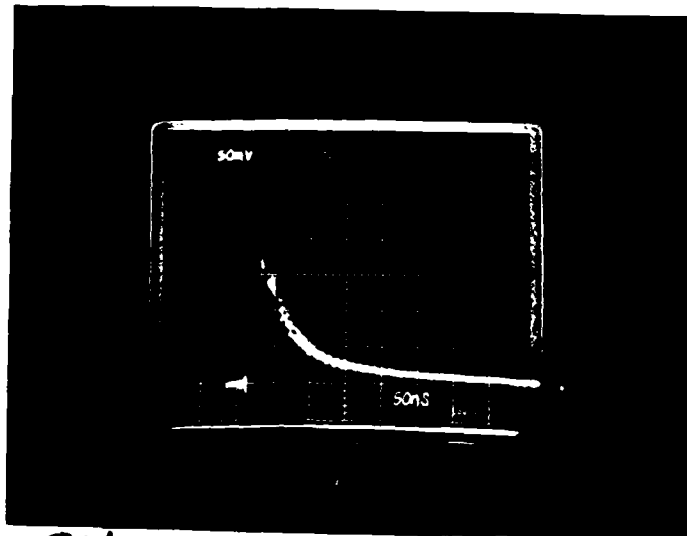
Comments:

810



810

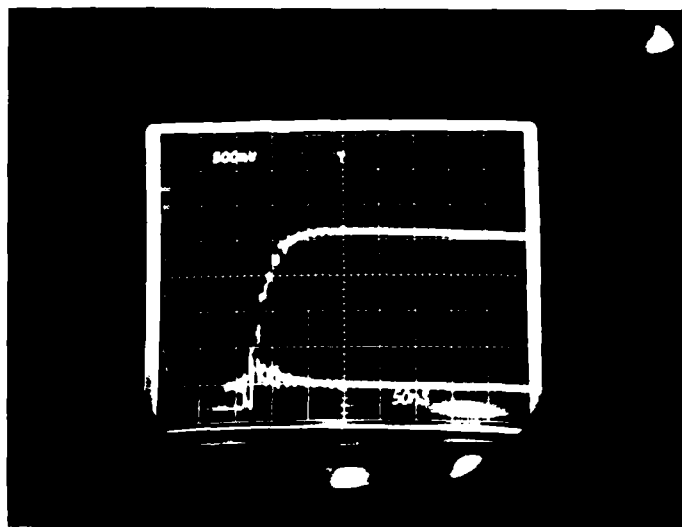
Date	6-5-85
Test Point	11-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	811



811

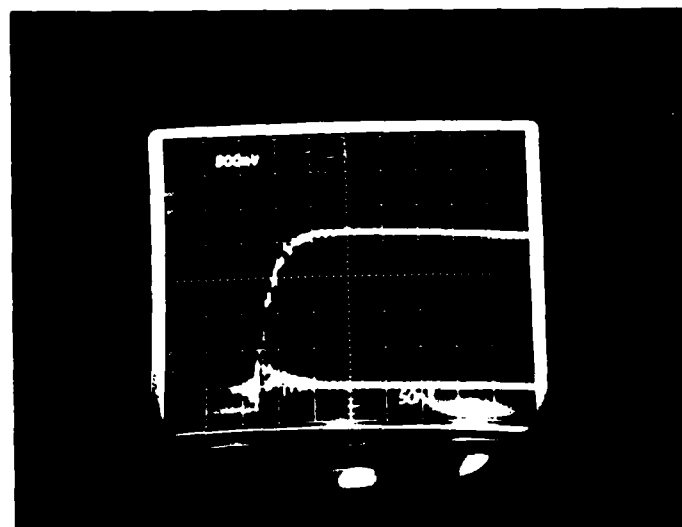
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-5-85
 Test Point 11-CH-10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments: 212



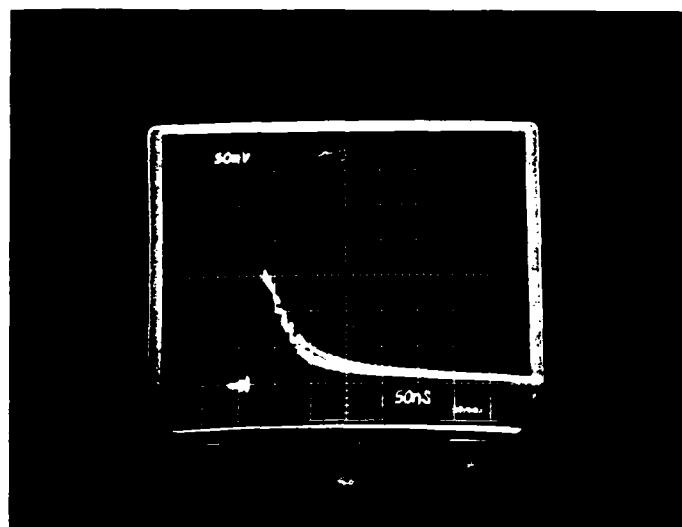
812

Date 6-5-85
 Test Point 11A-CH-10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments: 213



813

Date	6-5-85
Test Point	11-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500 V
Data Link	
Comments:	

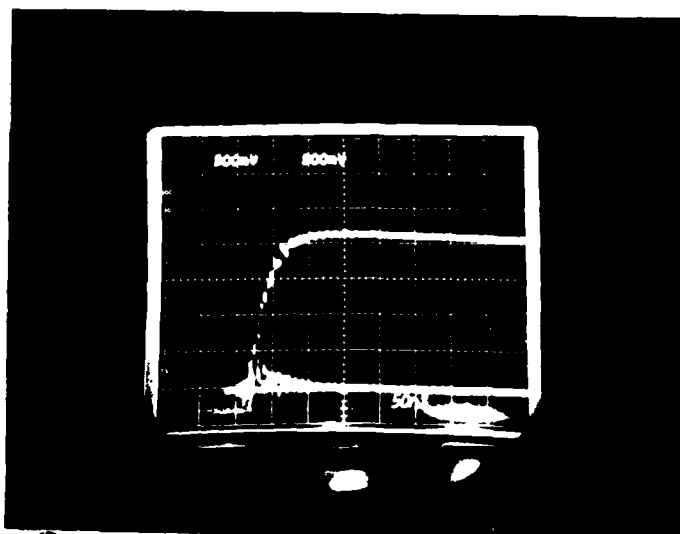


814

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	11-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

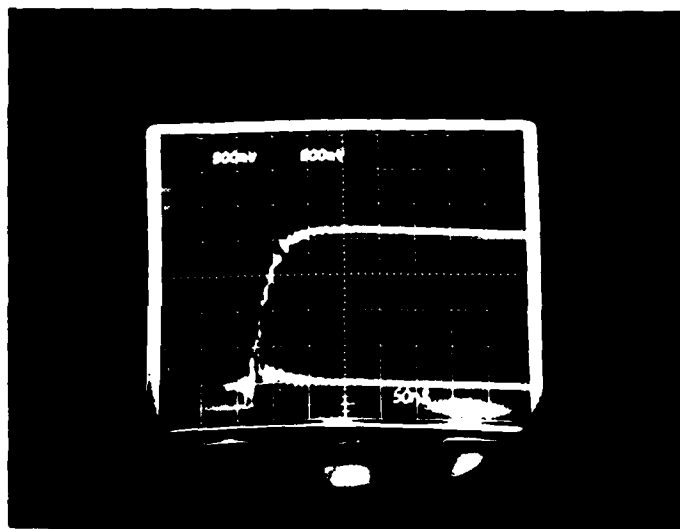
815



815

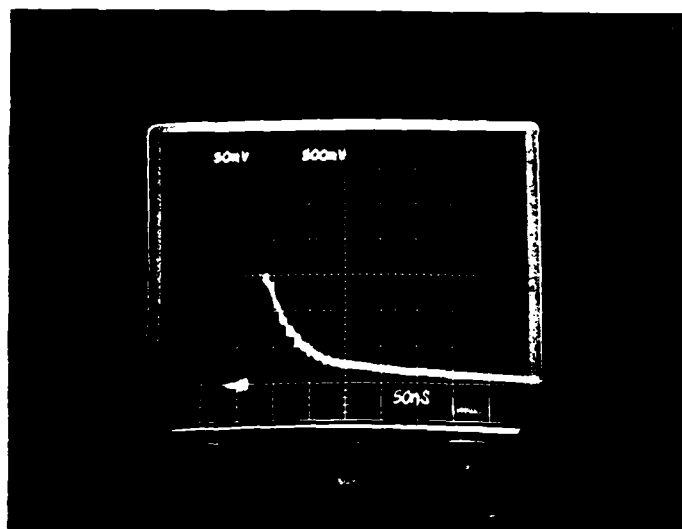
Date	6-5-85
Test Point	11R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

816



816

Date	6-5-85
Test Point	11-CH-110-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



817

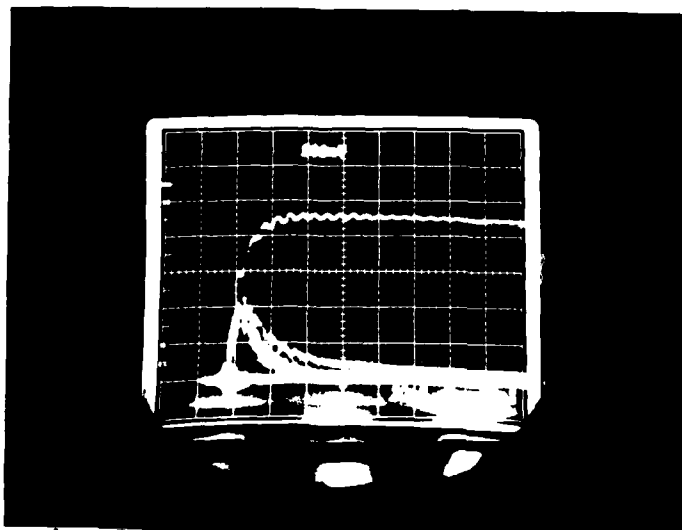
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-11-85
 Test Point 12-CH-1/10-1
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link

Comments:

"COMMON" LEAD

DATA @ .1V(200V)



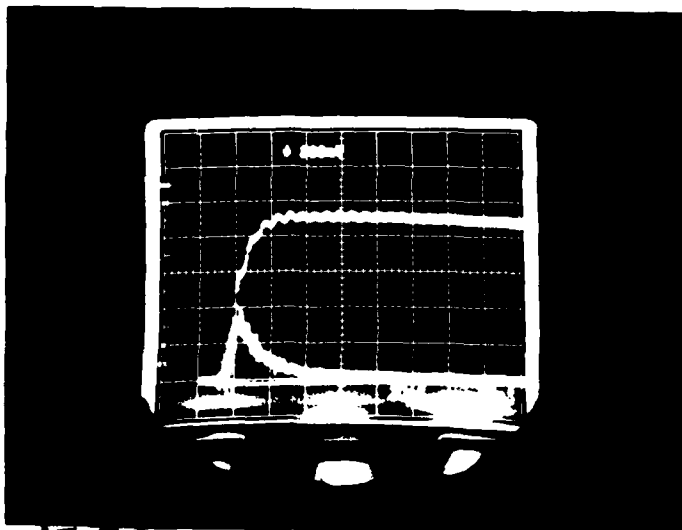
1222

Date 6-11-85
 Test Point 12R-CH-1/10-0
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link

Comments:

"COMMON" LEAD

DATA @ .1V(200V)



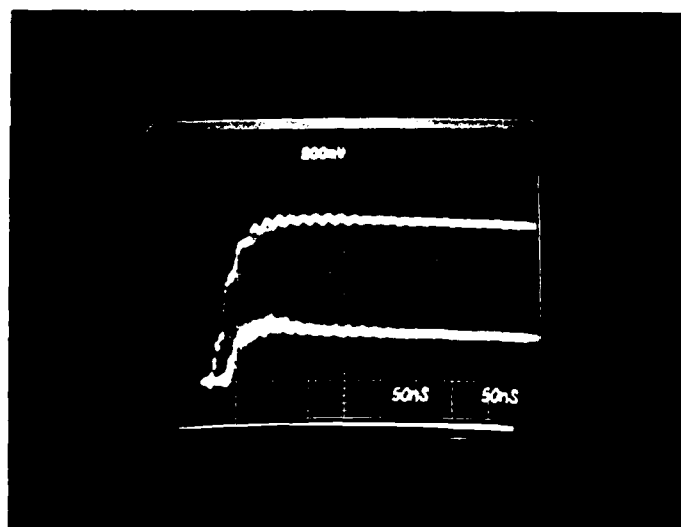
1223

Date	6-11-85
Test Point	12-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

"HOT" LEADS

DATA @ .2(400)

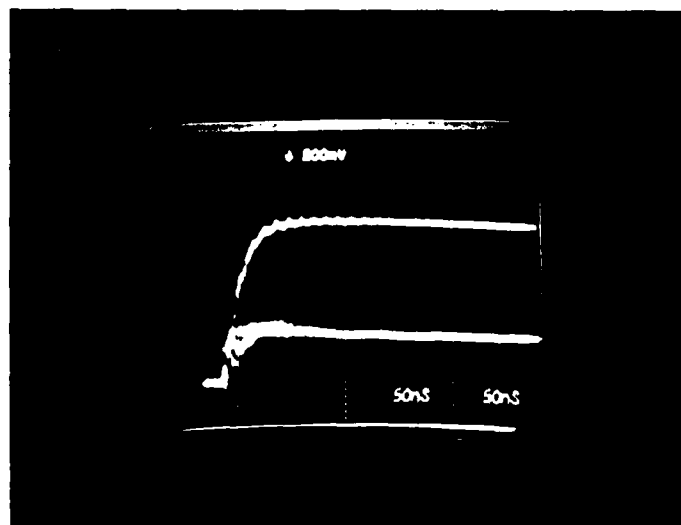


Date	6-11-85
Test Point	12R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

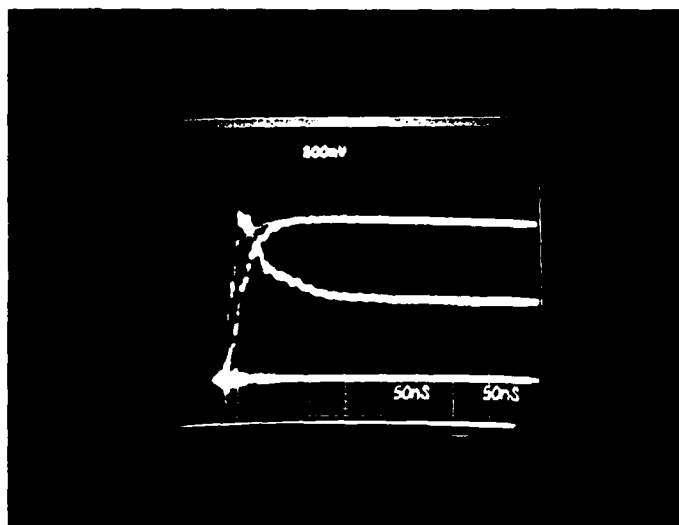
Comments:

"HOT" LEADS

DATA @ .2(400V)

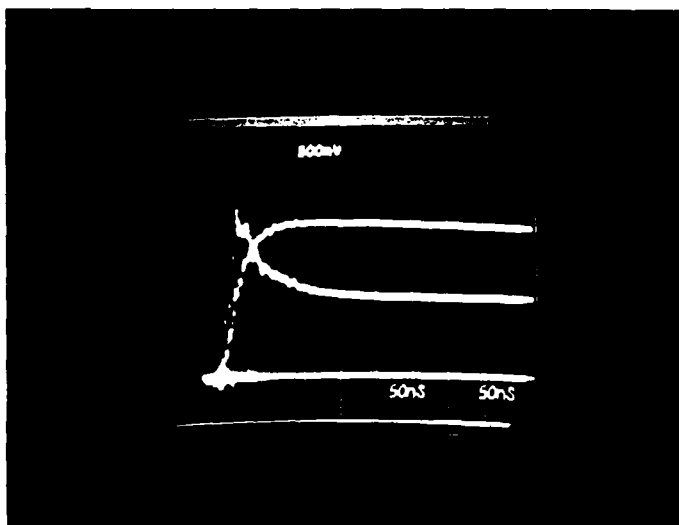


Date	6-11-85
Test Point	13-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1195



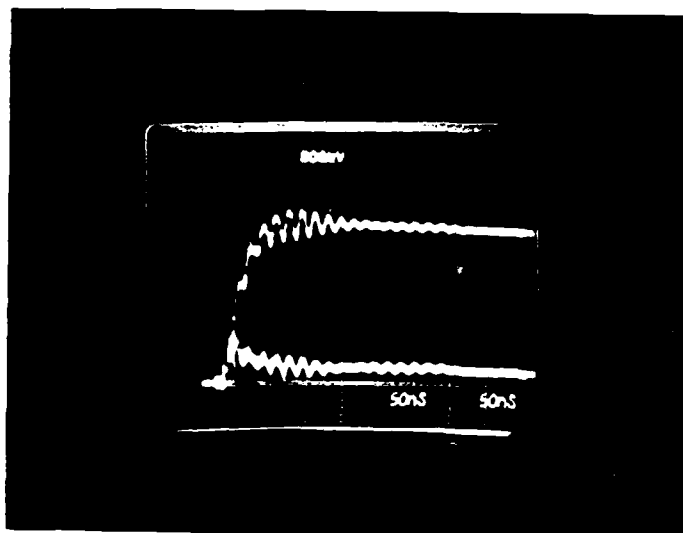
DATA @ .1V (200V)

Date	6-11-85
Test Point	13R-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1196



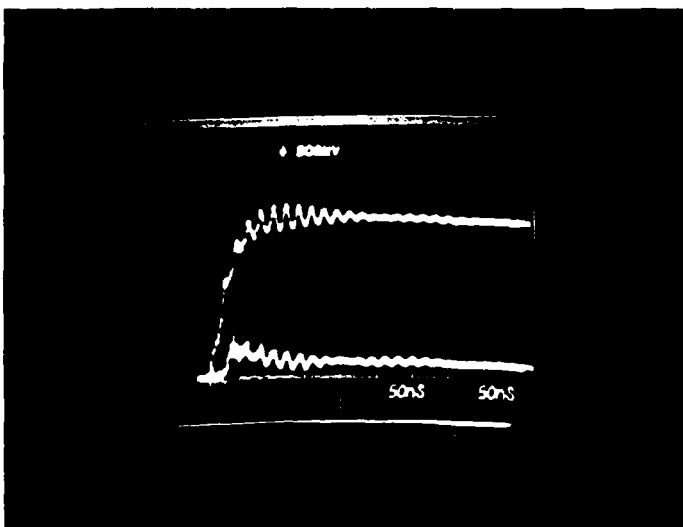
DATA @ .1V (200V)

Date	6-11-85
Test Point	14-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #2 SILVER
Pulser Level	+4500V
Data Link	
Comments:	11 2 2



DATA @ .05V (100V)

Date	6-11-85
Test Point	14R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #2 SILVER
Pulser Level	-4500V
Data Link	
Comments:	12 0 0

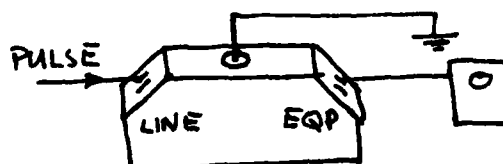
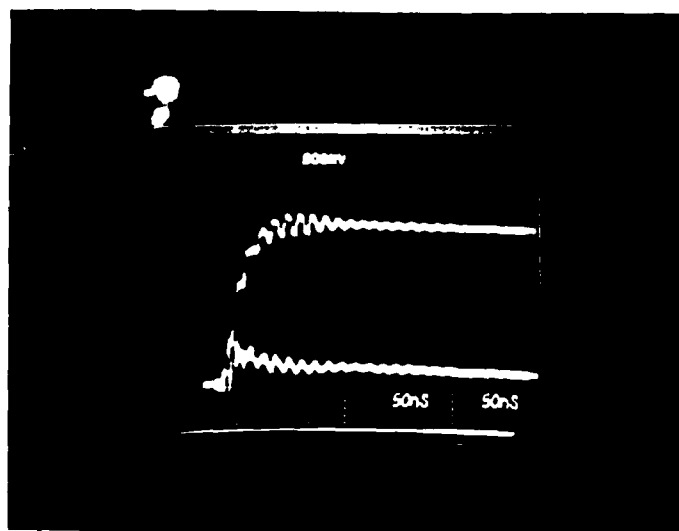


DATA @ .05V (100V)

Date 6-11-85
 Test Point 14-CH-1/10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration LINE #1-BRASS
 Pulsar Level +4500V
 Data Link
 Comments:

1197

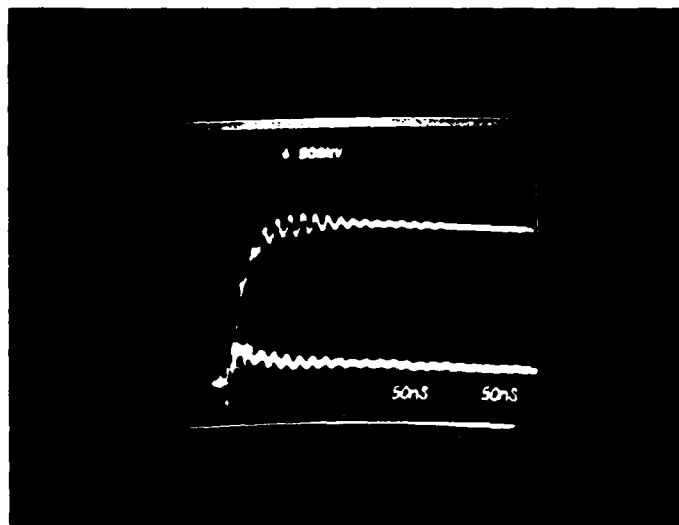
DATA @ .05V(100V)

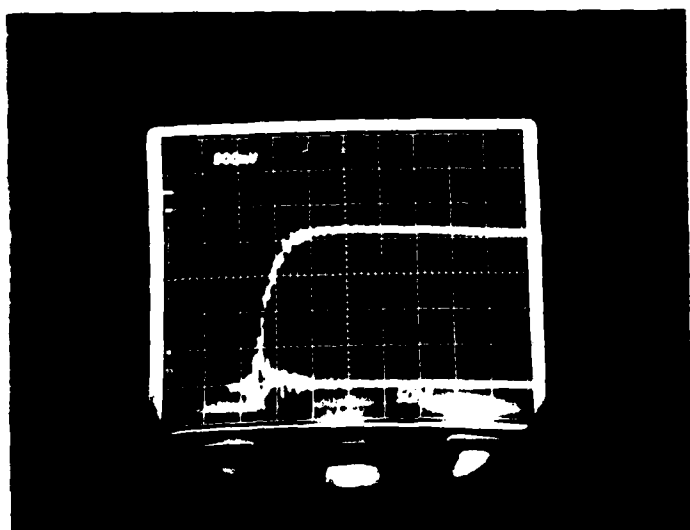


Date 6-11-85
 Test Point 14R-CH-1/10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration LINE #1-BRASS
 Pulsar Level -4500V
 Data Link
 Comments:

1198

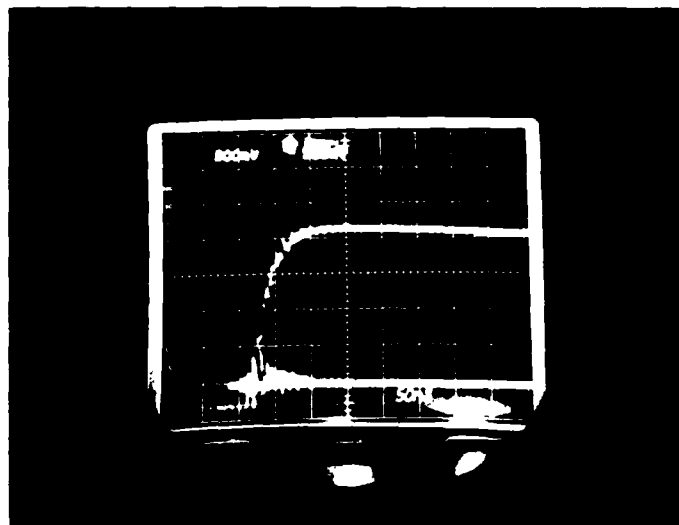
DATA @ .05V(100V)





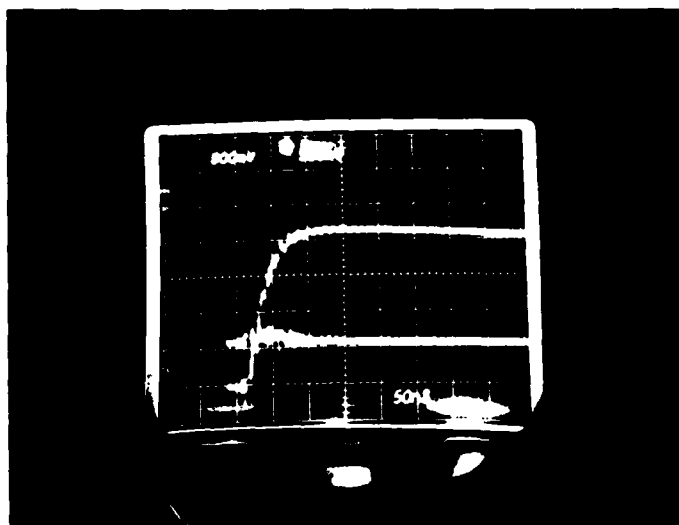
821

Date	6-5-85
Test Point	15-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500 V
Data Link	
Comments:	818



818

Date	6-5-85
Test Point	15R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	- 4500 V
Data Link	
Comments:	819

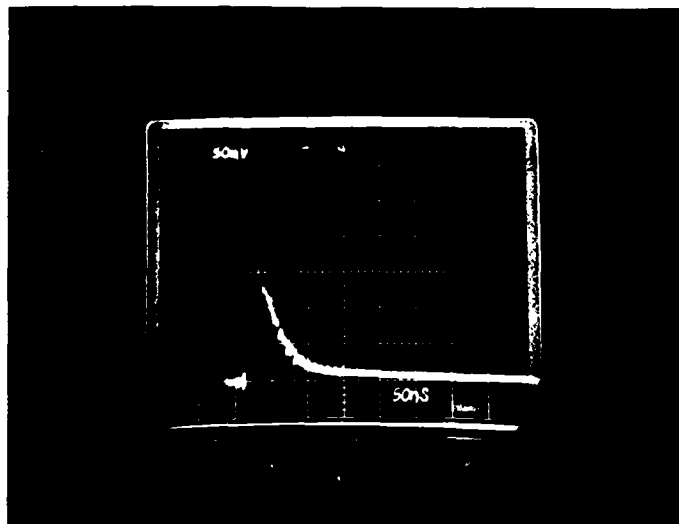


819

BASELINE OFFSET BY -110V - NO EXPLANATION GIVEN OR OFFERED

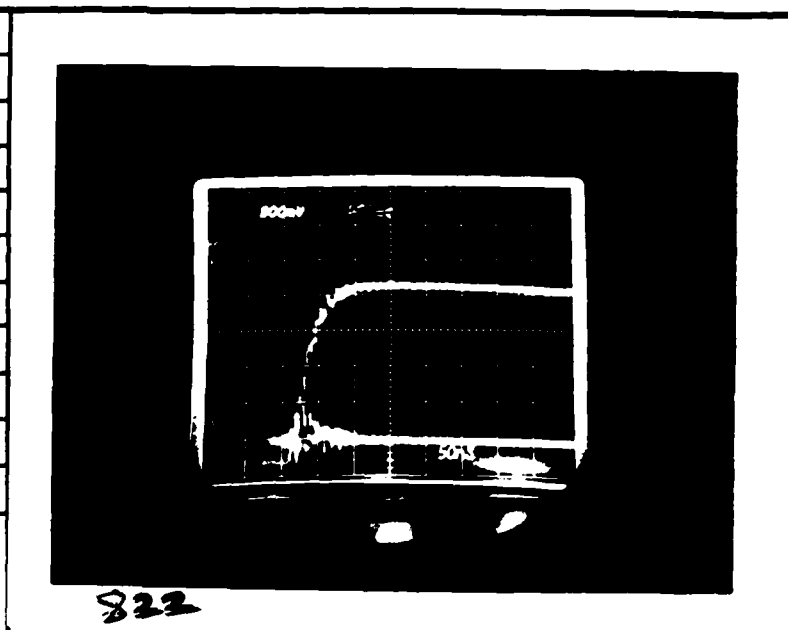
819 REPEAT ON BACK - # 821

Date	6-5-85
Test Point	15-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	820

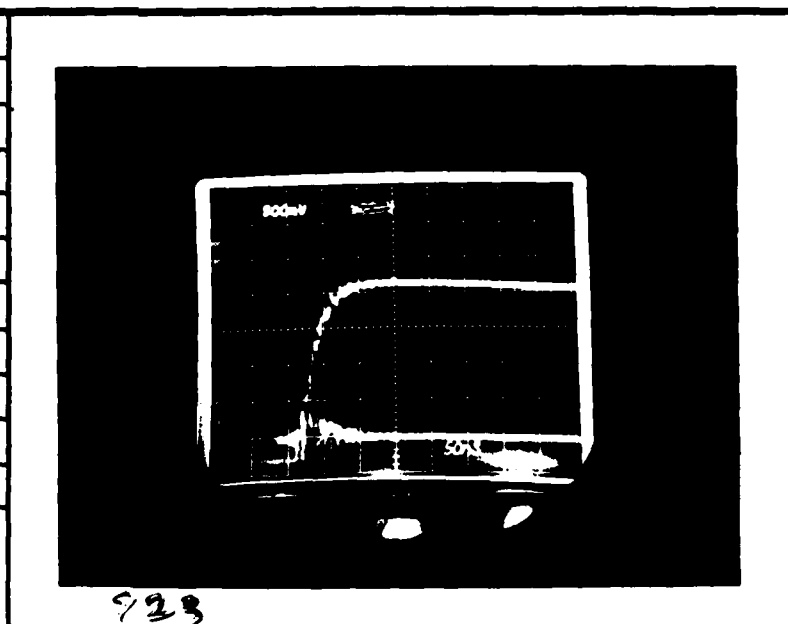


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

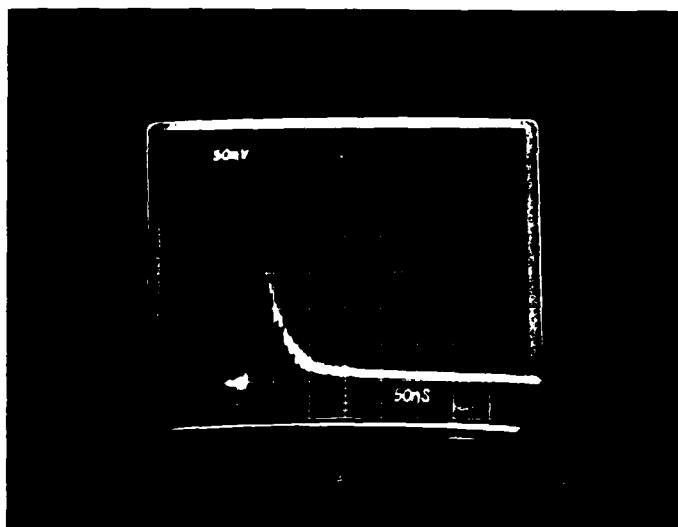
Date	6-5-85
Test Point	15-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level +	4500V
Data Link	
Comments:	822



Date	6-5-85
Test Point	15R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level -	4500V
Data Link	
Comments:	823



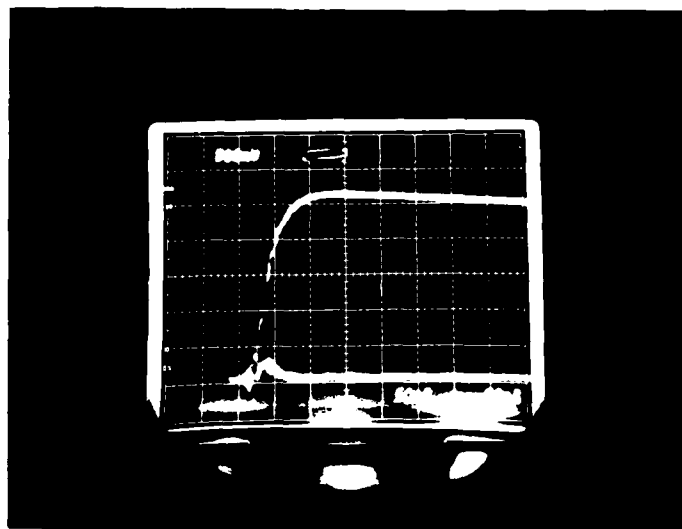
Date	6-5-85
Test Point	15-C14-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level +	4500 V
Date Link	
Comments:	



824

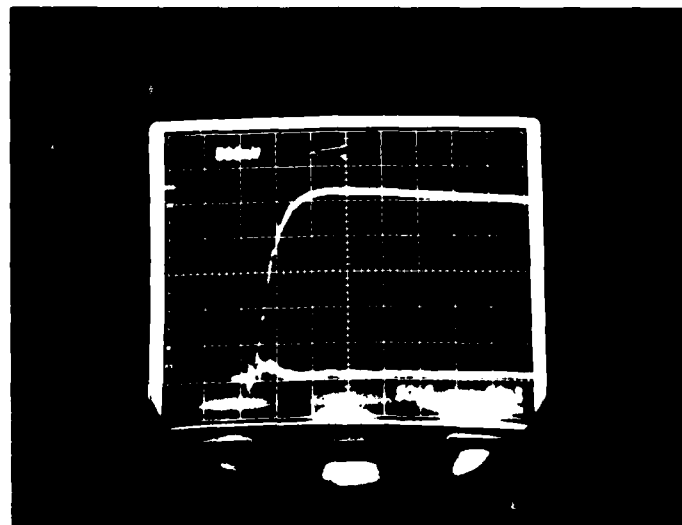
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date 6-5-85
 Test Point 15-CH-1/10-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level + 4500 V
 Data Link
 Comments:



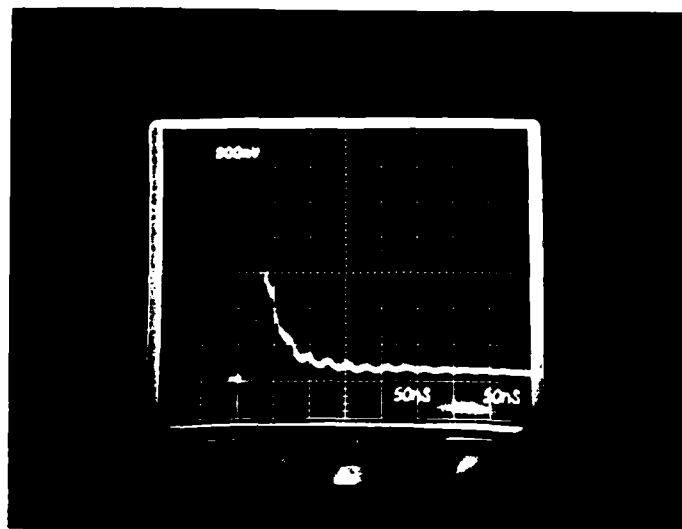
825

Date 6-5-85
 Test Point 15R-CH-1/10-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level -4500 V
 Data Link
 Comments:



826

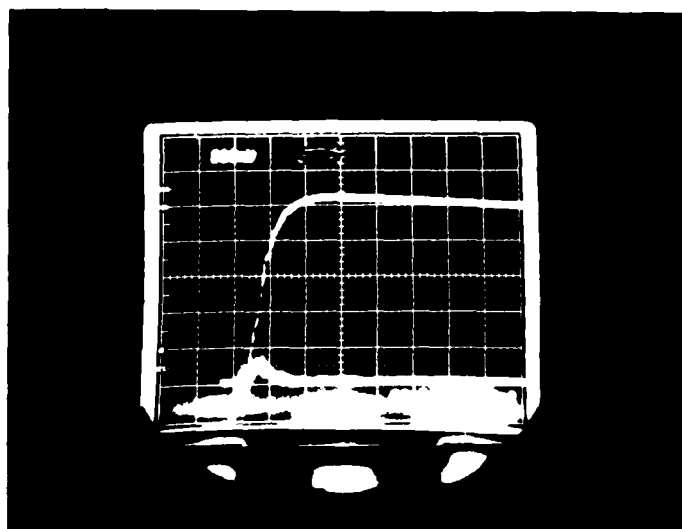
Date 6-5-85
 Test Point 15-CH-1/10-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .05V (86V) mV/div 1
 Horizontal ns/div 2
 Vertical (86V) ns/div 2
 Configuration
 Pulsar Level + 4500 V
 Data Link
 Comments: 827



Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

Date	6-5-85
Test Point	15-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ~~mV~~ /div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	

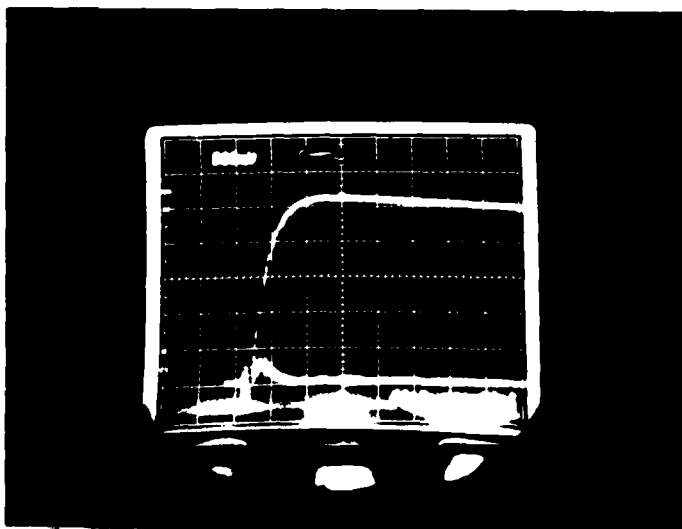
828



828

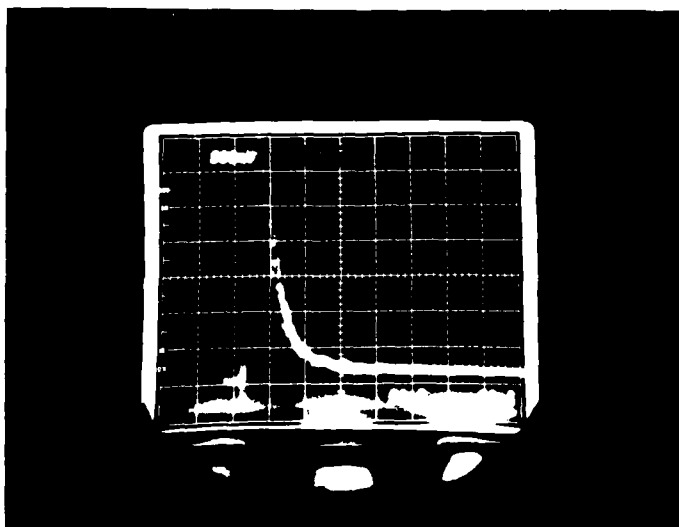
Date	6-5-85
Test Point	15R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ~~mV~~ /div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

821



829

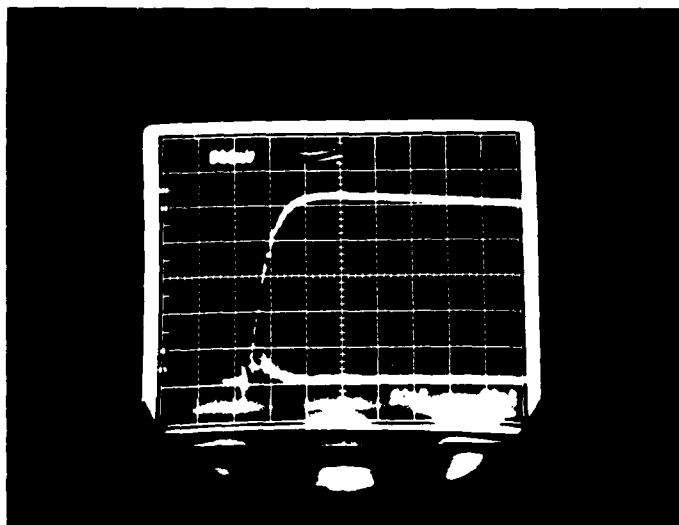
Date	6-5-85
Test Point	15-CH-110-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(96V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ~~mV~~ /div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	83



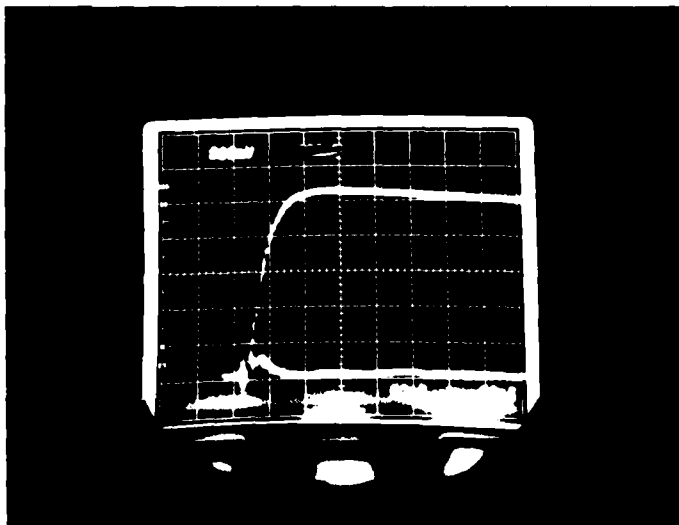
830

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

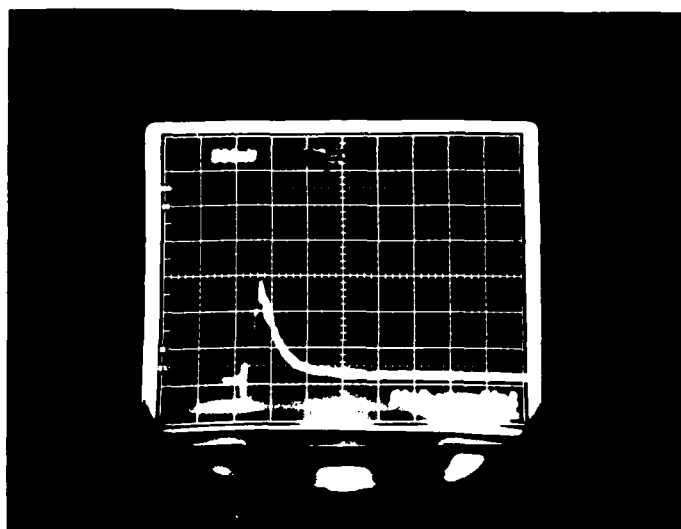
Date	6-5-85
Test Point	15-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	5V (860V) mV/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	831



Date	6-5-85
Test Point	15R-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	832



Date	6-5-85
Test Point	15-CH-10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V (100V) ~~100V~~ /div 1
Horizontal	1V (200V) ns/div 2
Vertical	~~0.5V~~ ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	

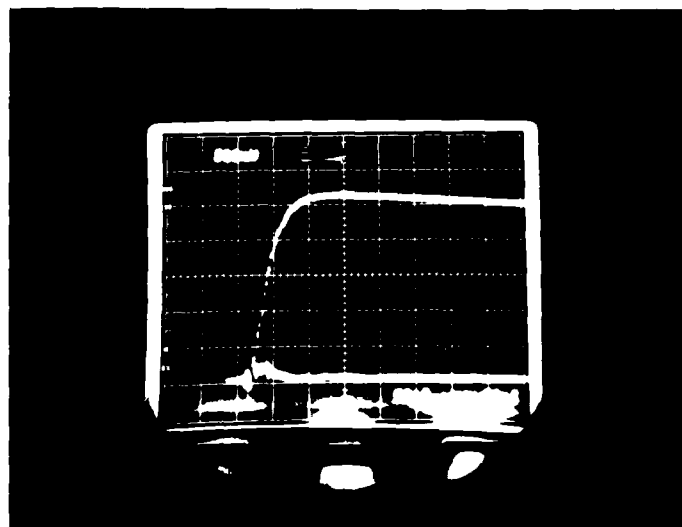


833

• 1V (172V)/DIV

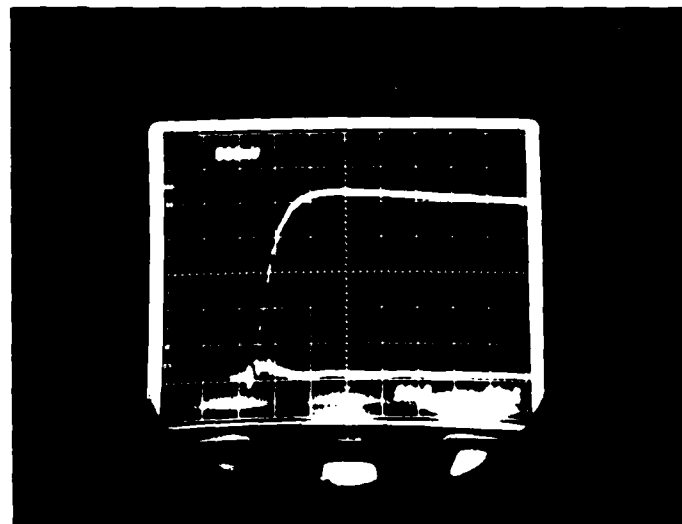
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	17-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	83



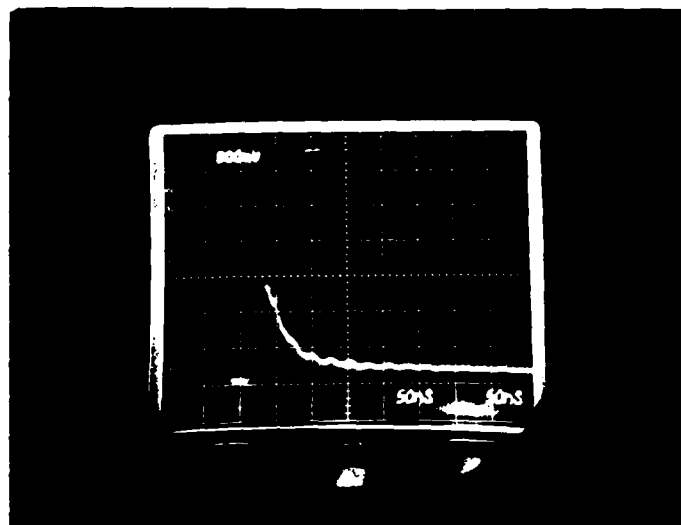
834

Date	6-6-85
Test Point	17R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



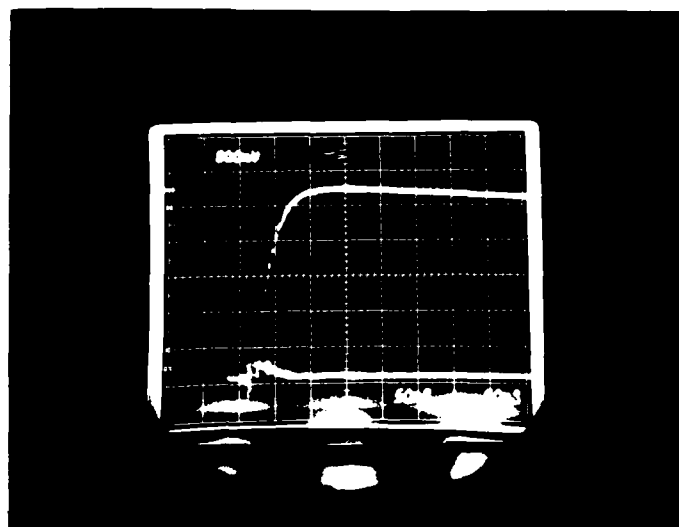
835

Date	6-6-85
Test Point	17-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (96V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Date Link	
Comments:	836



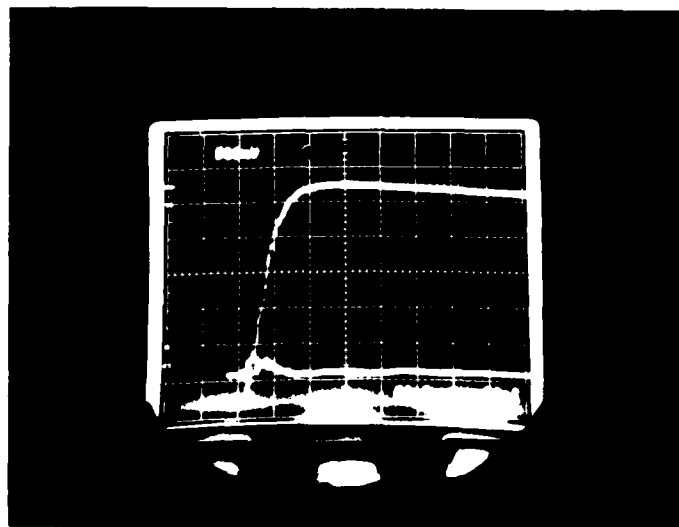
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date	6-6-85
Test Point	17-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level +	4500 V
Data Link	
Comments:	



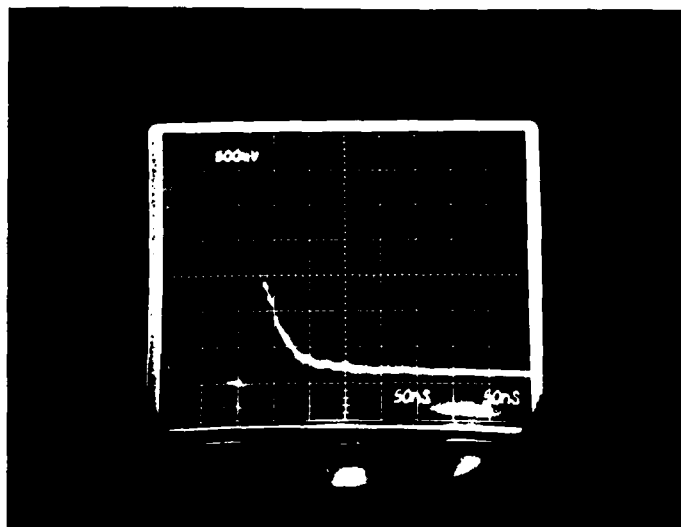
837

Date	6-6-85
Test Point	17R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	-4500 V
Data Link	
Comments:	



838

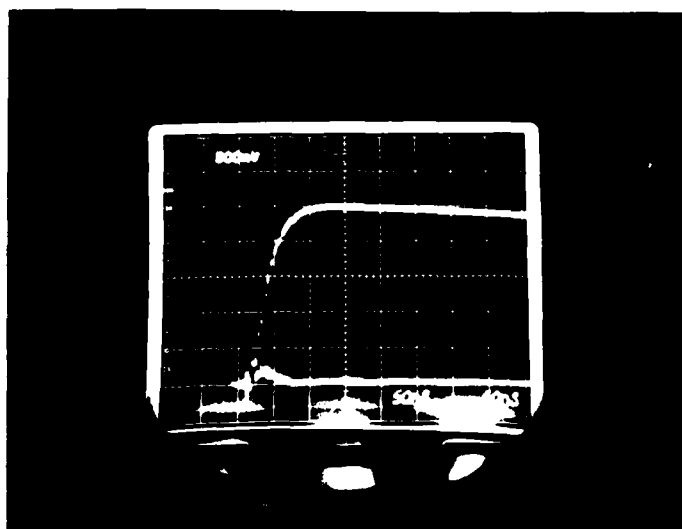
Date	6-6-85
Test Point	17-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V-(86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level +	4500 V
Data Link	
Comments:	



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 17-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

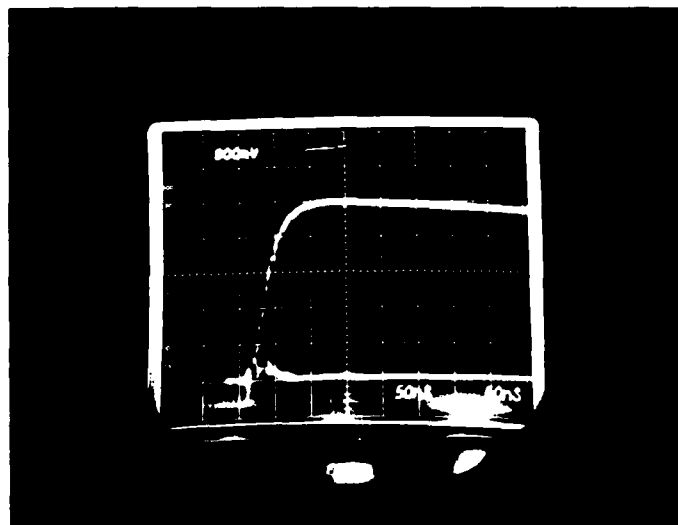
840



840

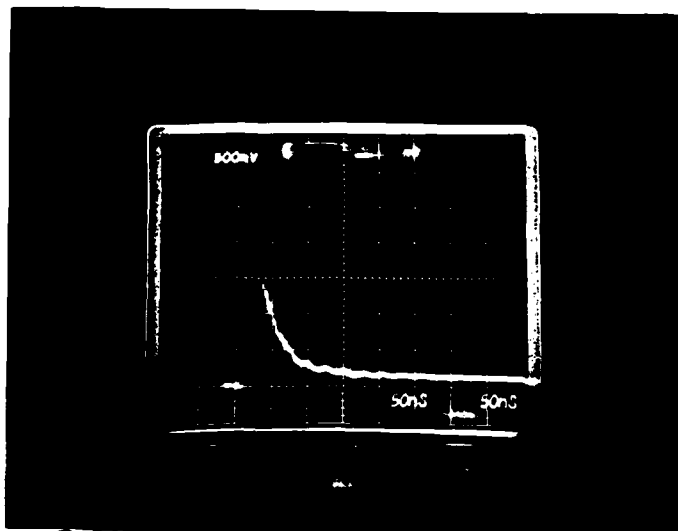
Date 6-6-85
 Test Point 17R-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

841



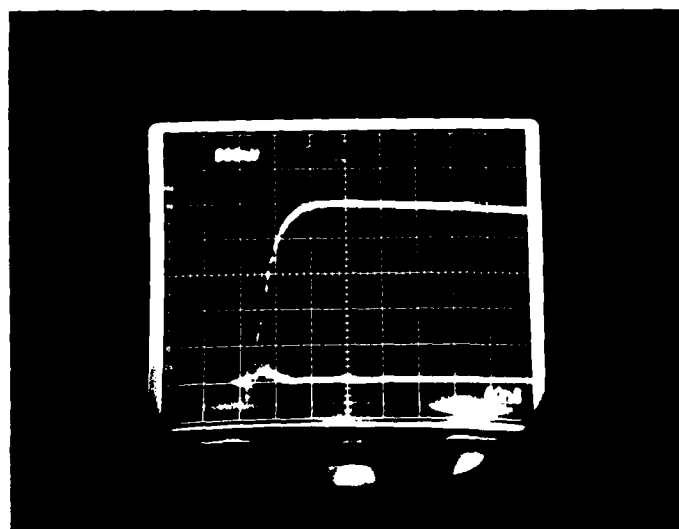
841

Date 6-6-85
 Test Point 17-CH-110-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .05V (.86V) mV/div 1
 Horizontal ns/div 2
 Vertical (.86V) ns/div 2
 Configuration
 Pulser Level +4500 V
 Data Link
 Comments: 842

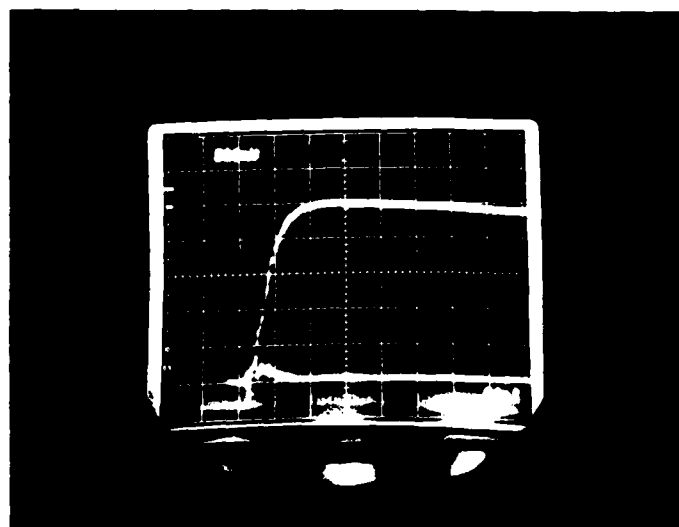


Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level
 Data Link
 Comments:

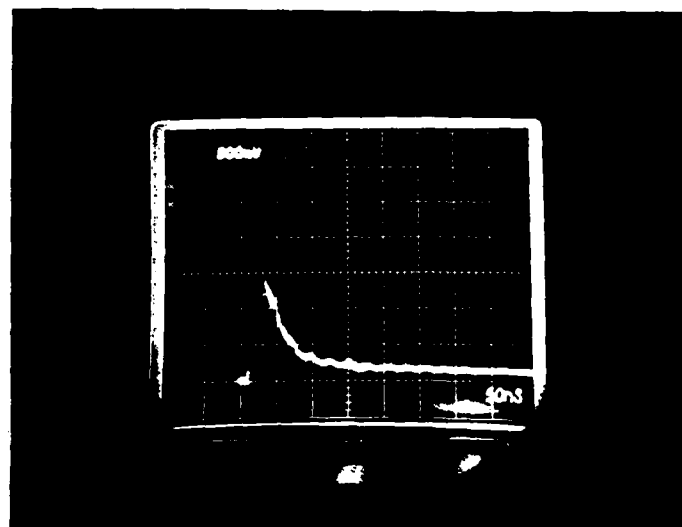
Date 6-6-85
 Test Point 17-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level 4500V
 Data Link
 Comments: 843



Date 6-6-85
 Test Point 17R-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments: 844

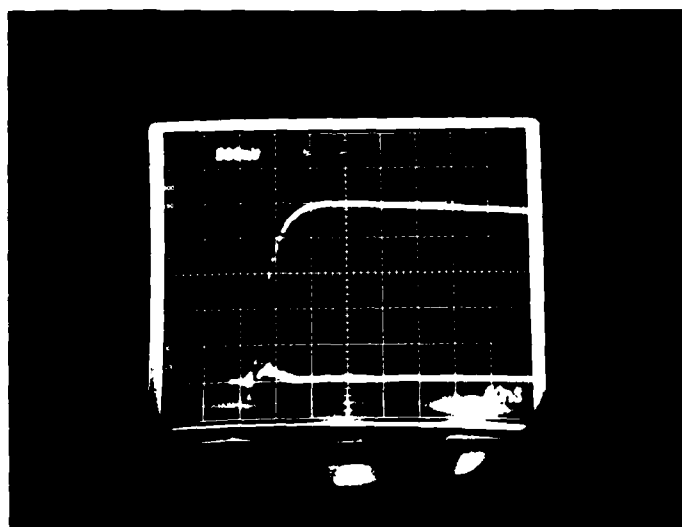


Date	6-6-85
Test Point	17-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	845

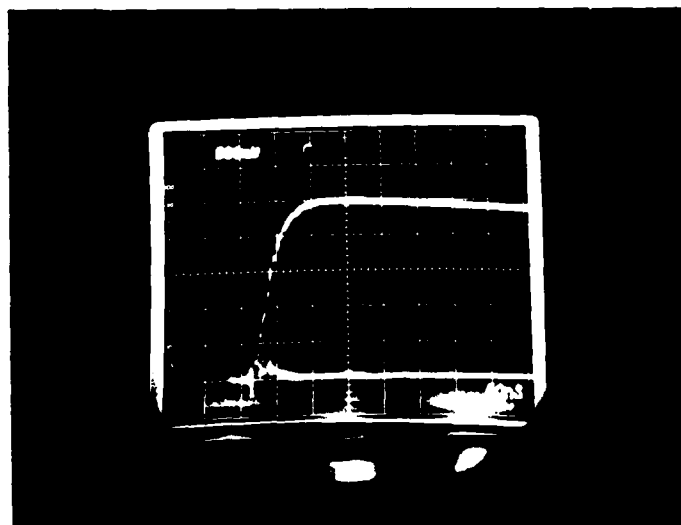


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

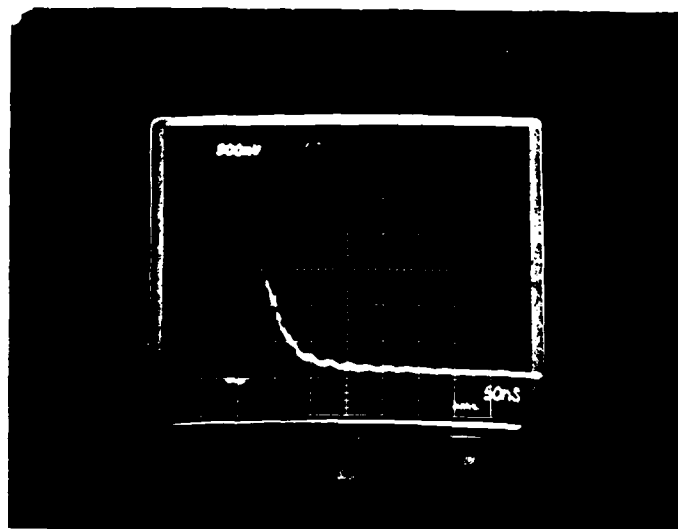
Date 6-6-85
 Test Point 17-CH-1/10 - E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level + 4500 V
 Data Link
 Comments: 846



Date 6-6-85
 Test Point 17R-CH-1/10 - E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level - 4500 V
 Data Link
 Comments: 847

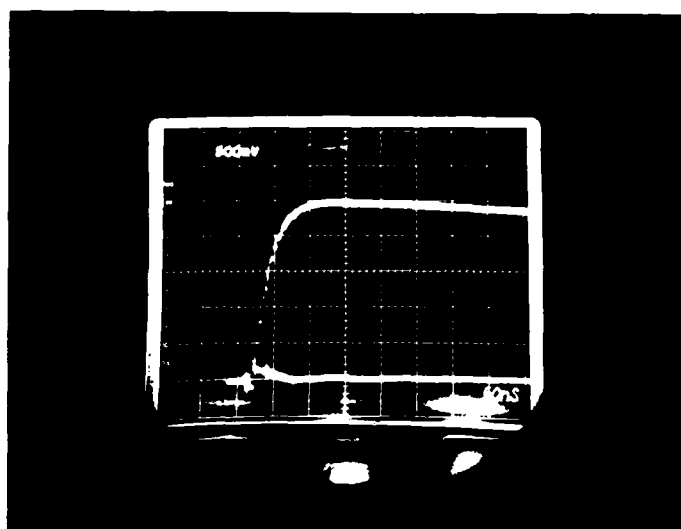


Date	6-6-85
Test Point	17-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	848



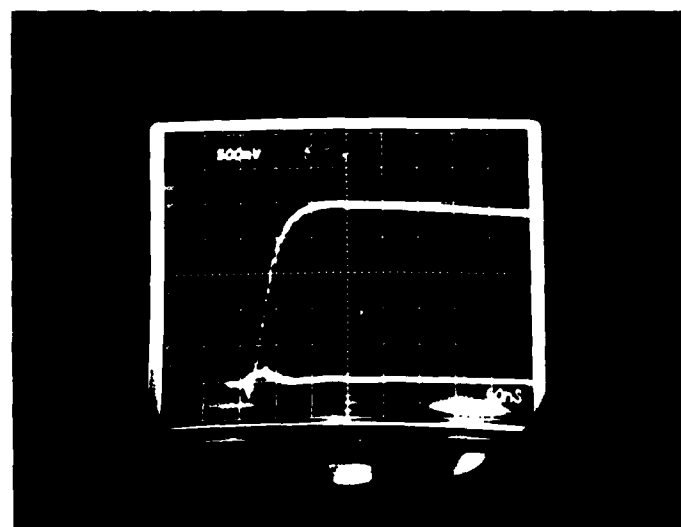
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 19-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 15V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level 4500V
 Data Link
 Comments: 347



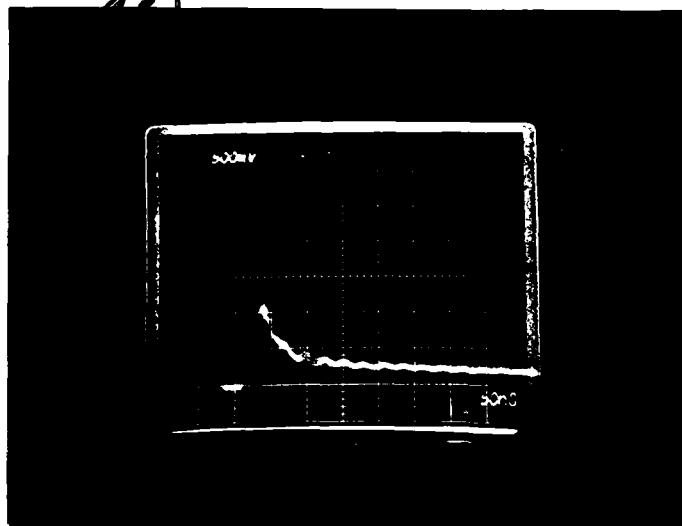
849

Date 6-6-85
 Test Point 19R-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 15V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments: 350



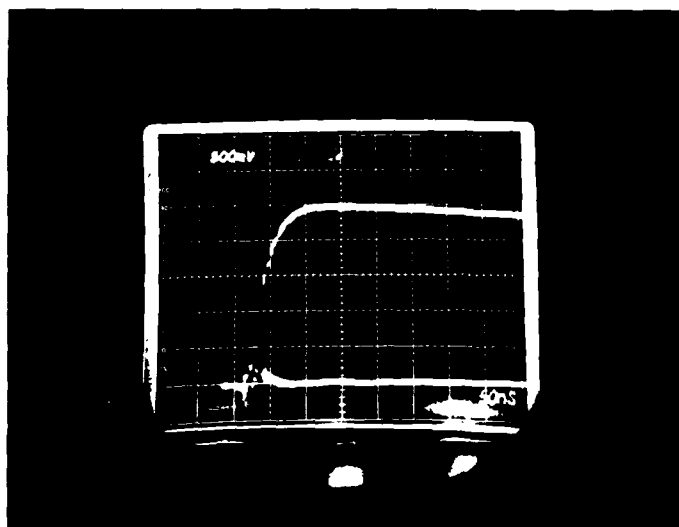
850

Date 6-6-85
 Test Point 19-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .05V (86V) mV/div 1
 Horizontal ns/div 2
 Vertical (86V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments: 851



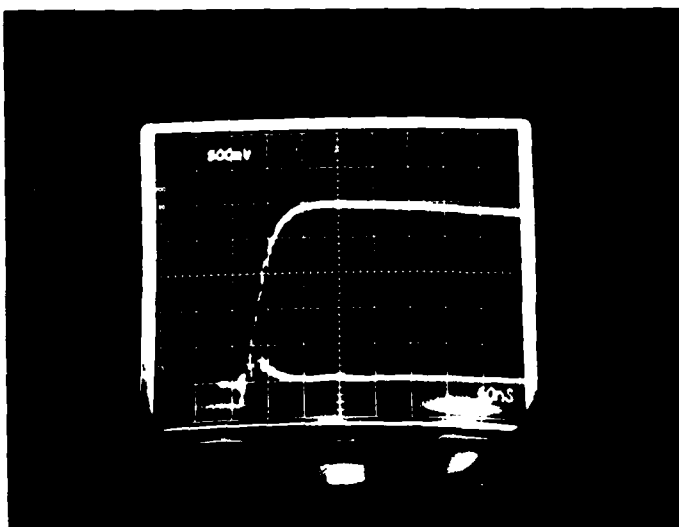
Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

Date	6-6-85
Test Point	19-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	852



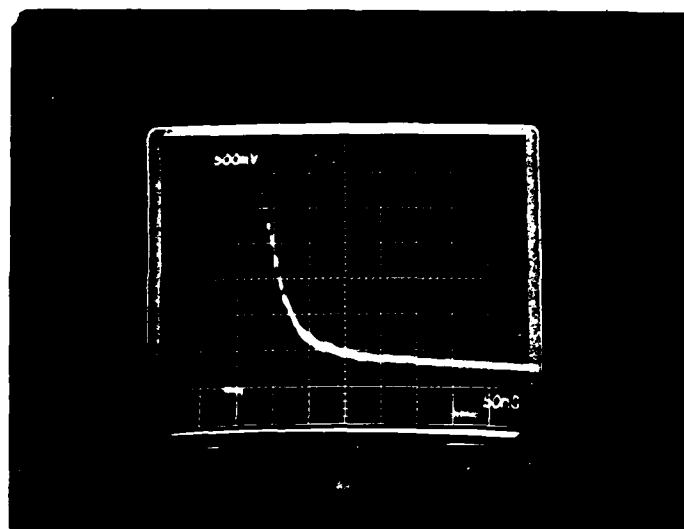
852

Date	6-6-85
Test Point	19R-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	853



853

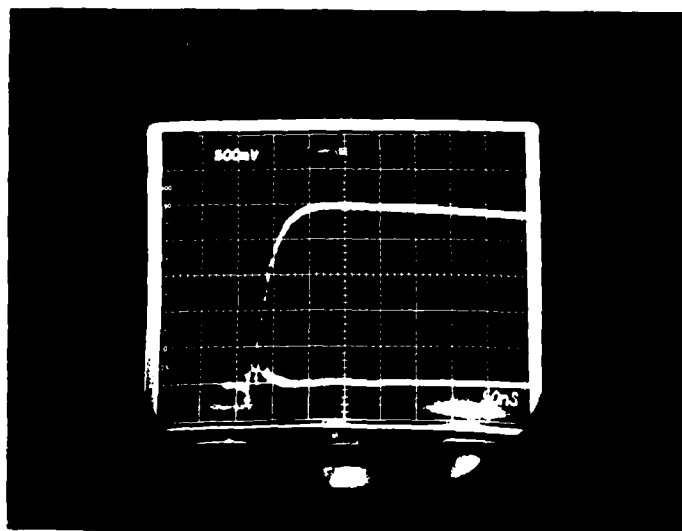
Date 6-6-85
 Test Point A-CH-110-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .05 (86V) mV/div 1
 Horizontal ns/div 2
 Vertical (86V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments: 2-1



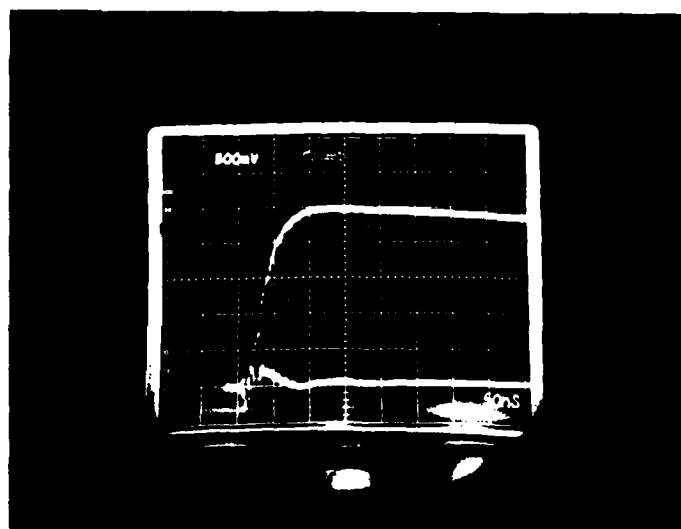
854

Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

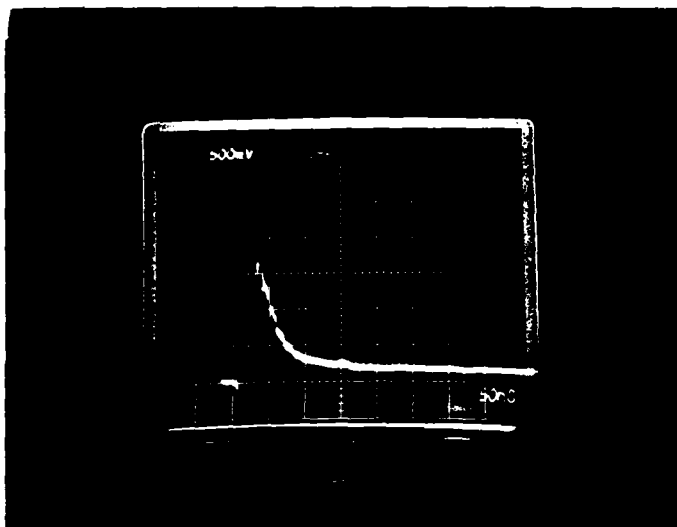
Date	6-6-85
Test Point	19-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	19R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



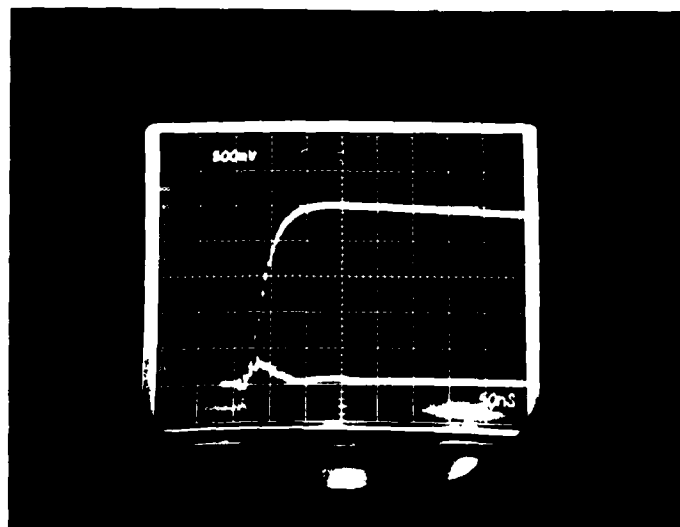
Date	6-6-85
Test Point	19-CH-40-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	857



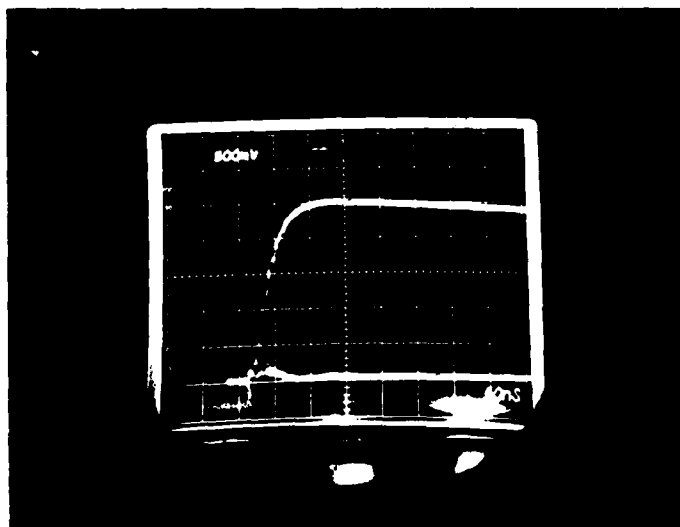
857

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

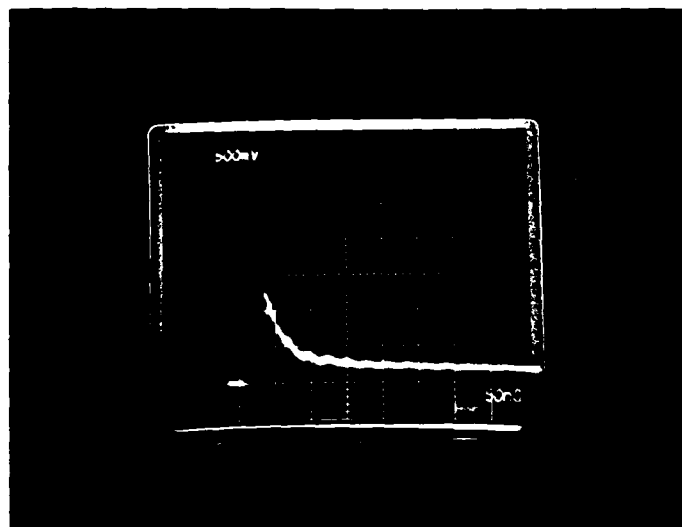
Date 6-6-85
 Test Point 19-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



Date 6-6-85
 Test Point 19R-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

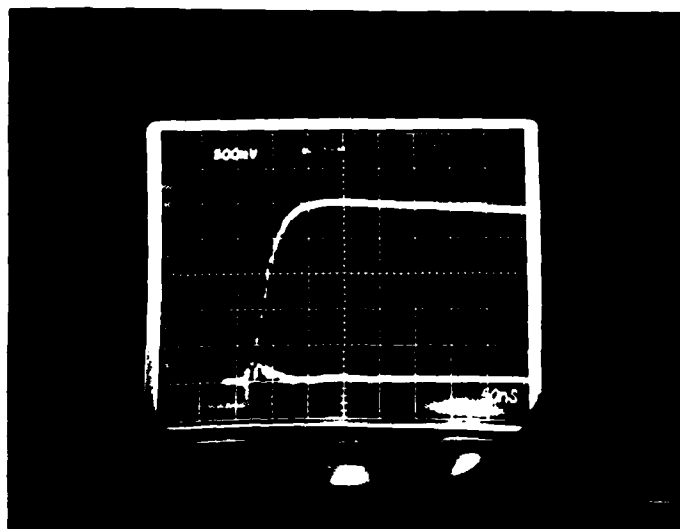


Date	6-6-85
Test Point	19-CH-110-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	9.2

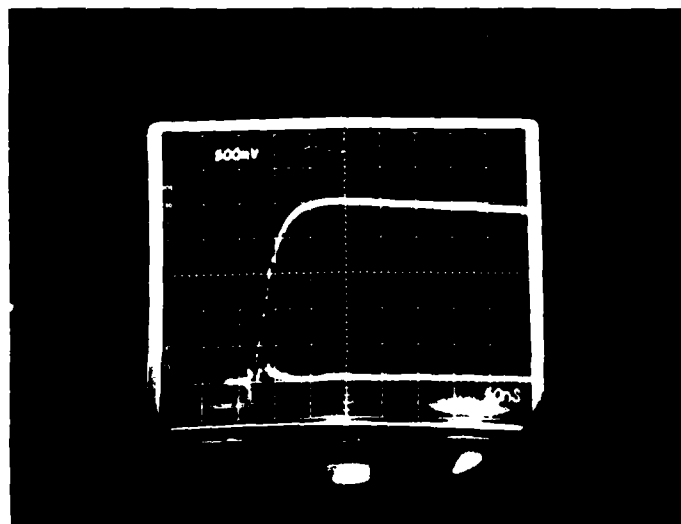


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

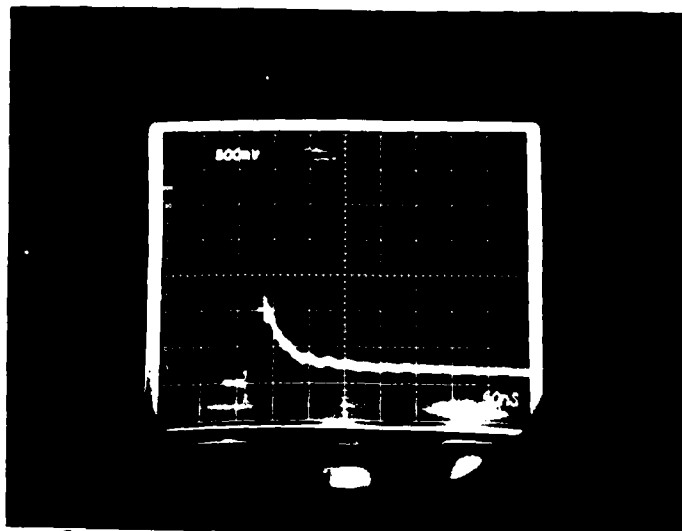
Date 6-6-85
 Test Point 19-CH-110-E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments: 861



Date 6-6-85
 Test Point 19R-CH-110-E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments: 862



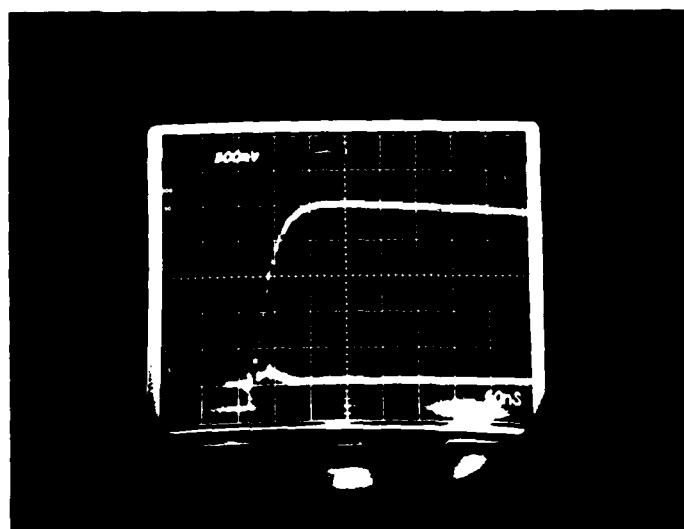
Date	6-6-85
Test Point	19-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	863



863

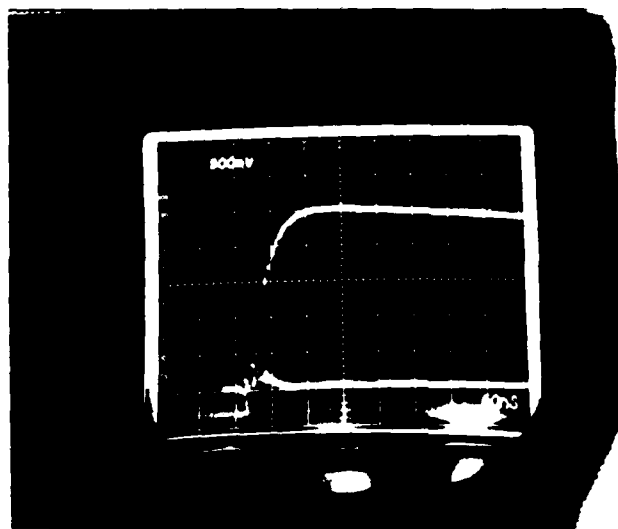
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	21-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



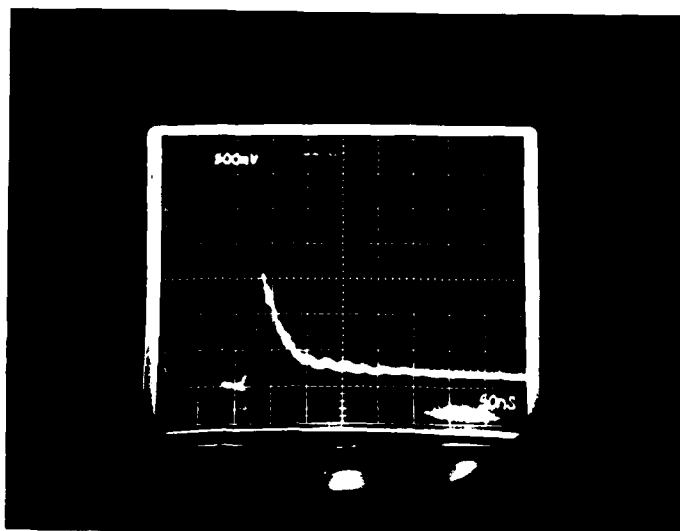
864

Date	6-6-85
Test Point	21R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



865

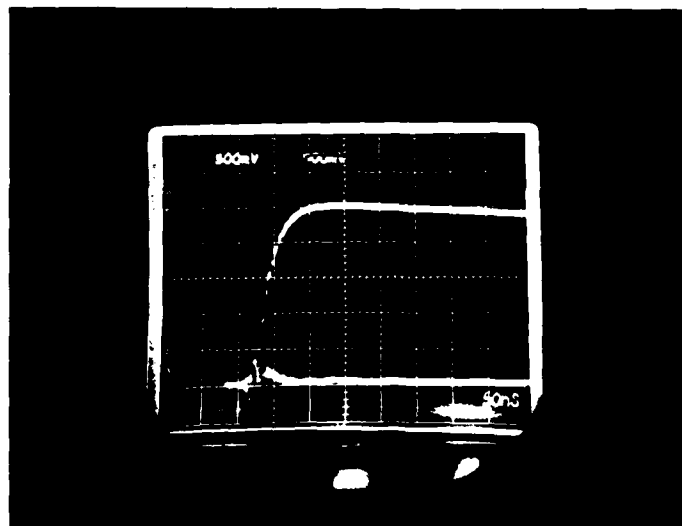
Date	6-6-85
Test Point	21-CH-110-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	366



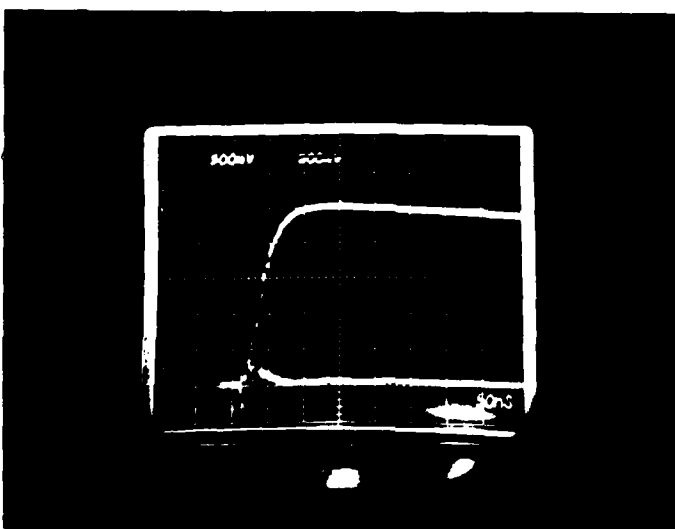
866

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

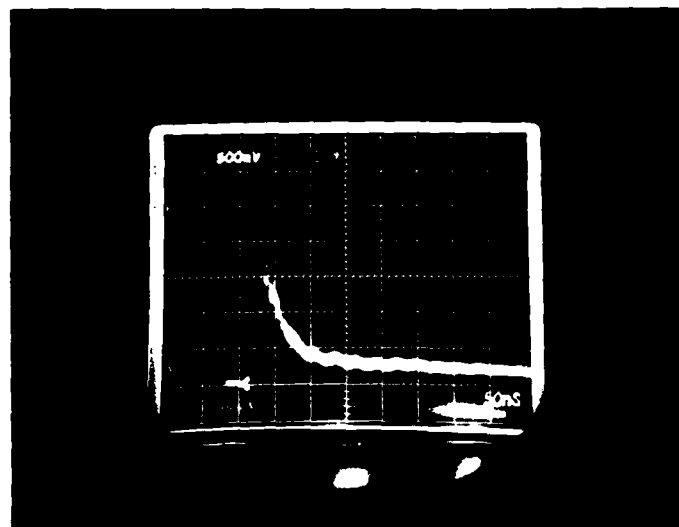
Date	6-6-85
Test Point	21-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	867



Date	6-6-85
Test Point	21R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	868



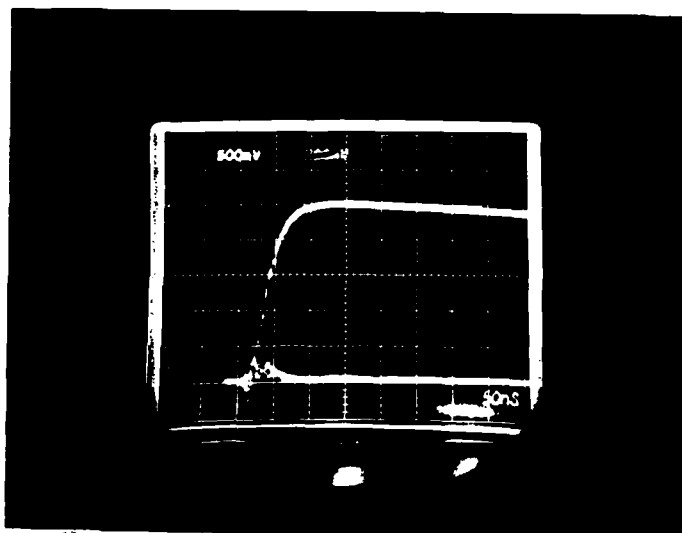
Date	6-6-85
Test Point	21-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	561



869

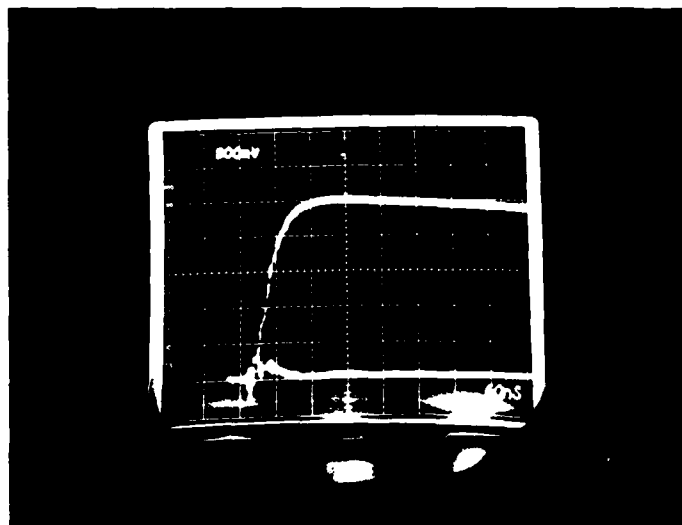
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 21-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



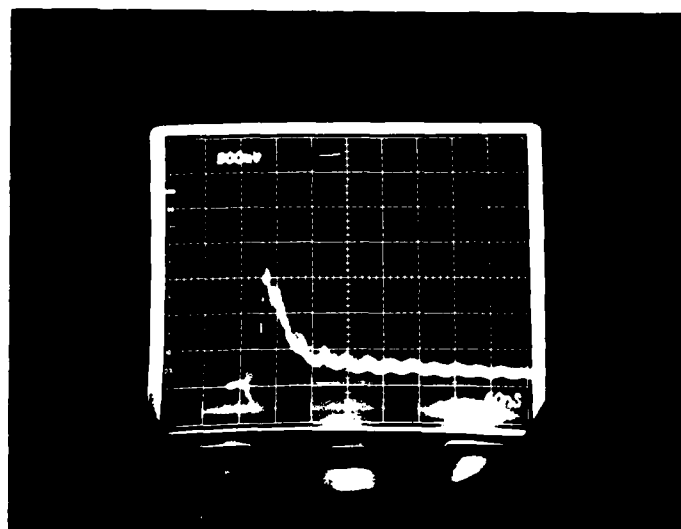
870

Date 6-6-85
 Test Point 21R-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



871

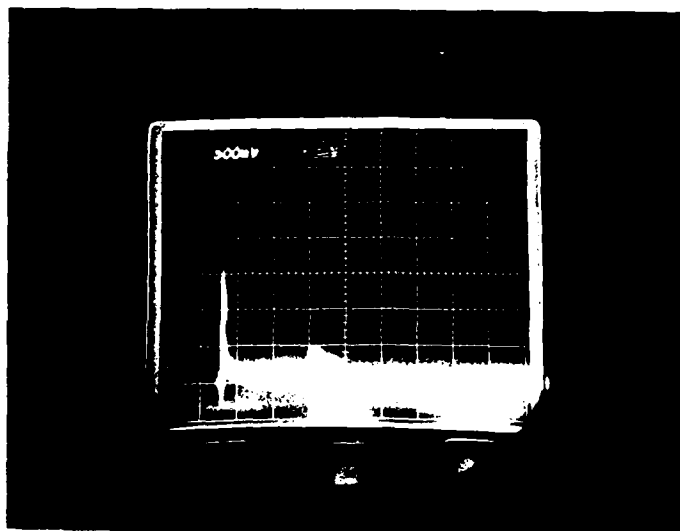
Date	6-6-85
Test Point	21-CH-110-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (88V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



872

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

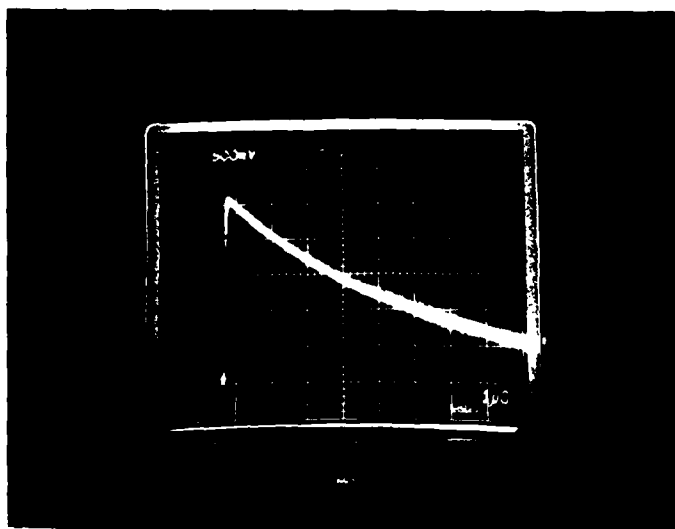
Date 6-6-85
 Test Point 21-CH - 1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 1 μ S 50 ns/div 1
 Vertical .05 (86V) mV/div 1
 Horizontal ns/div 2
 Vertical 86V ns/div 2
 Configuration
 Pulsar Level + 4500 V
 Data Link
 Comments:



875

1 μ S/DIV, .05V (100V) DIV

Date 6 6 85
 Test Point REF PULSE
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 1 μ sec ns/div 1
 Vertical .5V 860V mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level 4.5KV
 Data Link
 Comments:

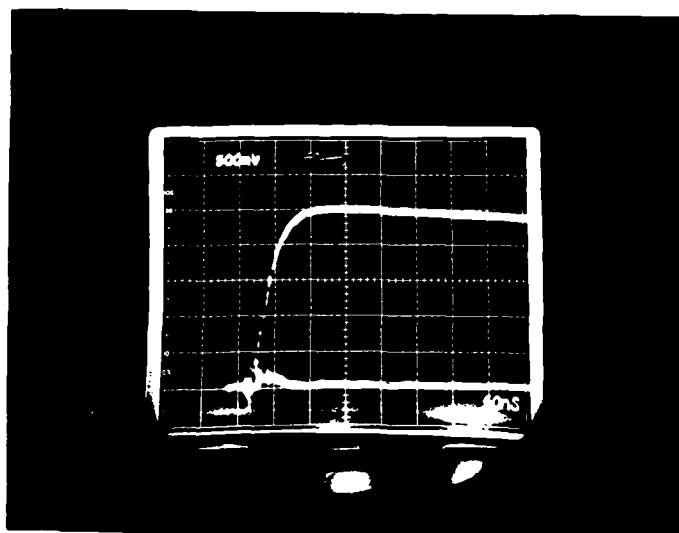


876

LONG TIME BASE REF.

Date	6-6-85
Test Point	21-CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

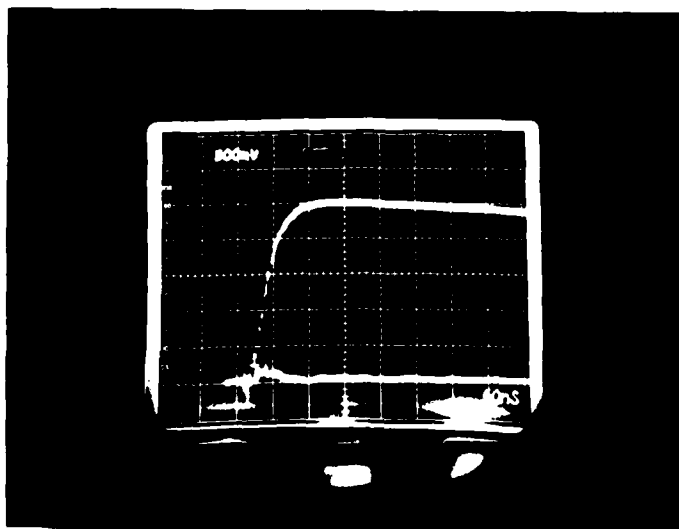
573



873

Date	6-6-85
Test Point	21R-CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

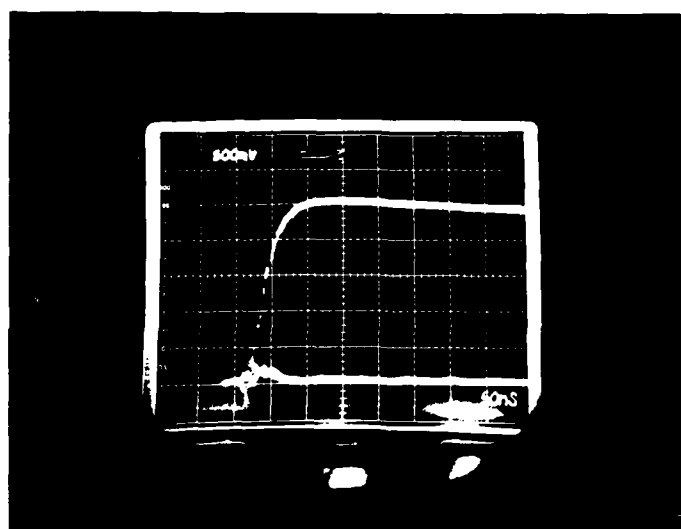
574



874

Date 6-6-85
 Test Point 21-CH-1/10-E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:

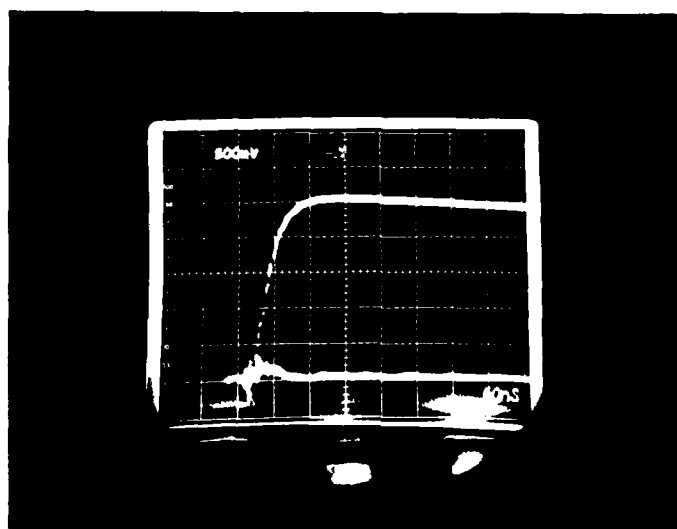
877



877

Date 6-6-85
 Test Point 21A-CH-1/10-E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

878

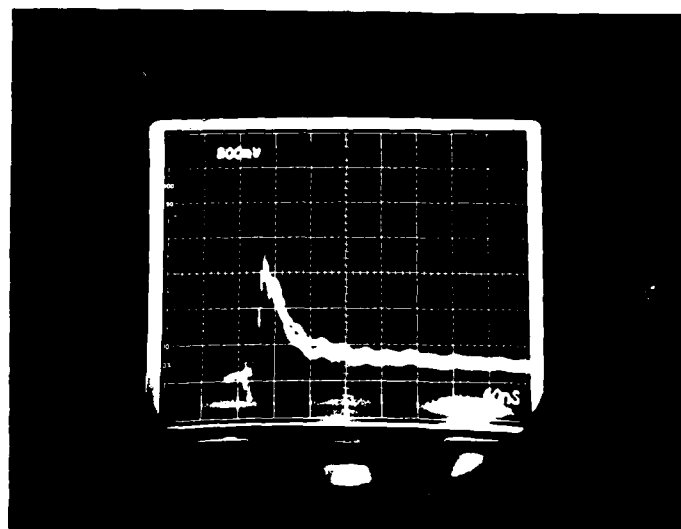


878

Date	6-6-85
Test Point	21-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

879



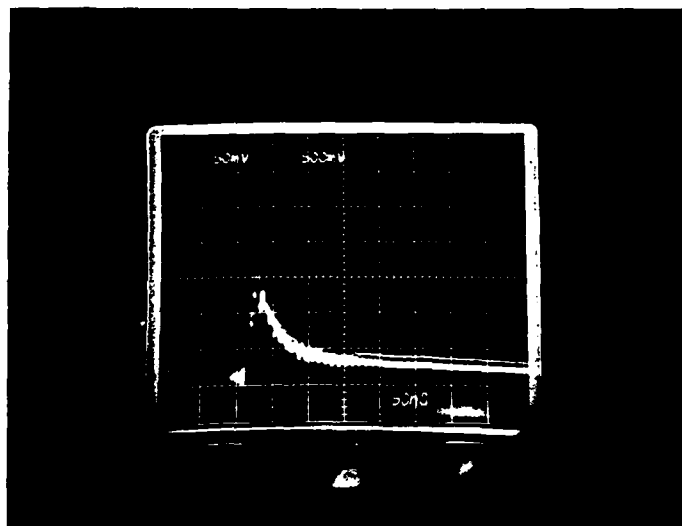
879

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	

Comments:

Date	6-5-85
Test Point	22-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

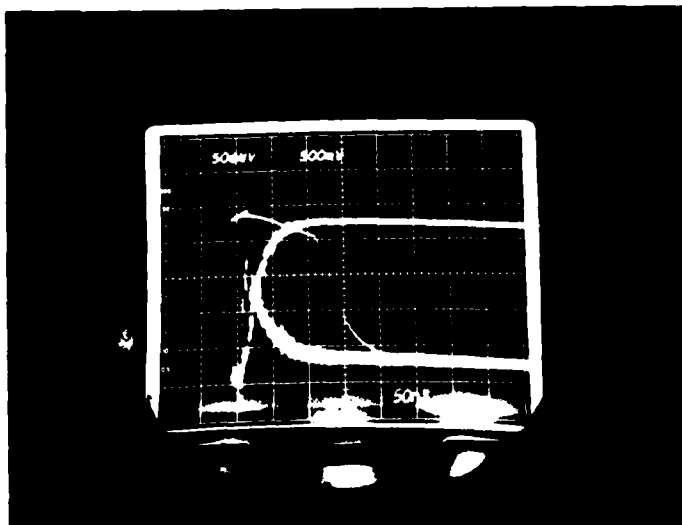
760



760

Date	6-5-85
Test Point	22R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	50 ns/div 2
Vertical	.5 (860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

761

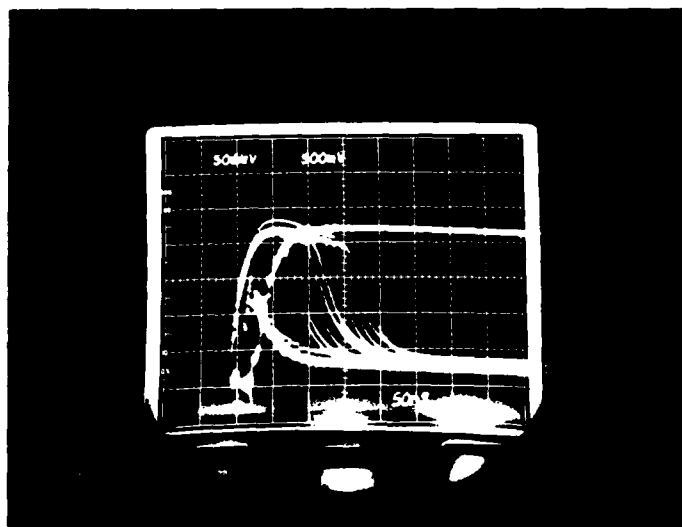


761

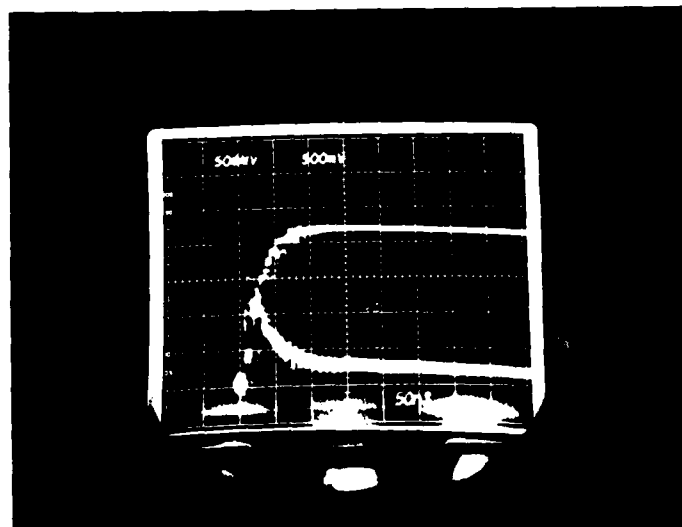
REF: @ .5V (860V) / DIV

REF

Date 6-5-85
 Test Point 22-CH-1/10-B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical ^{REF} .5V(1000V) mV/div 1
 Horizontal ns/div 2
 22- Vertical .05V(100V) mV/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

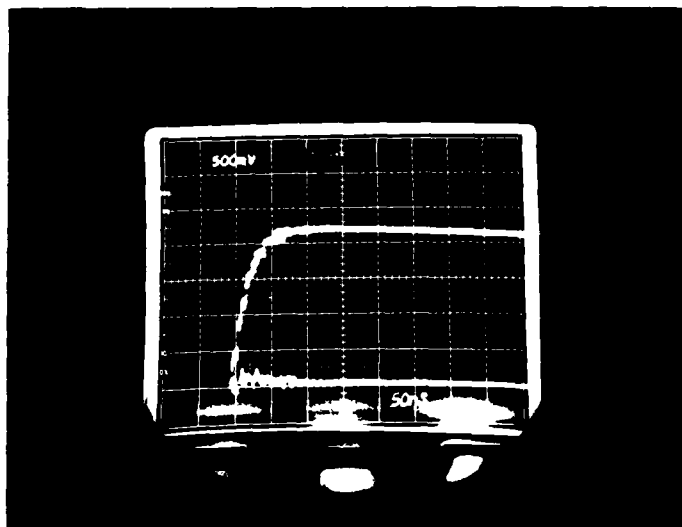


Date 6-5-85
 Test Point 22R-CH-1/10-B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical ^{REF} .5V(1000V) mV/div 1
 Horizontal ns/div 2
 22- Vertical .05V(100V) mV/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



Date	6-5-85
Test Point	22-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	764

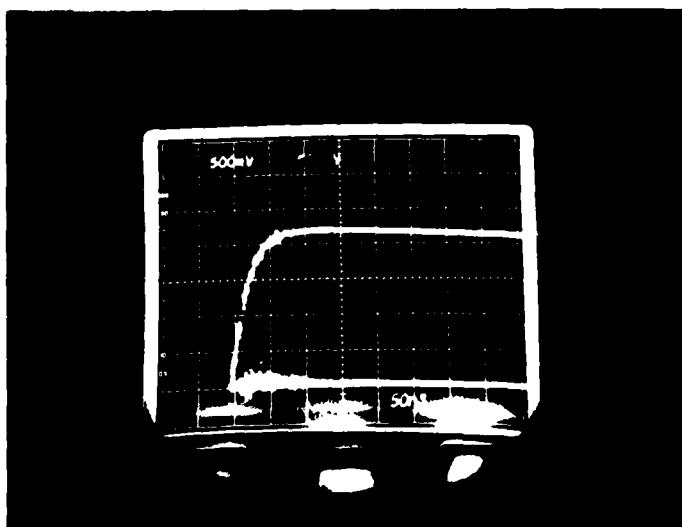
ALL @ .5V



764

Date	6-5-85
Test Point	22R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	765

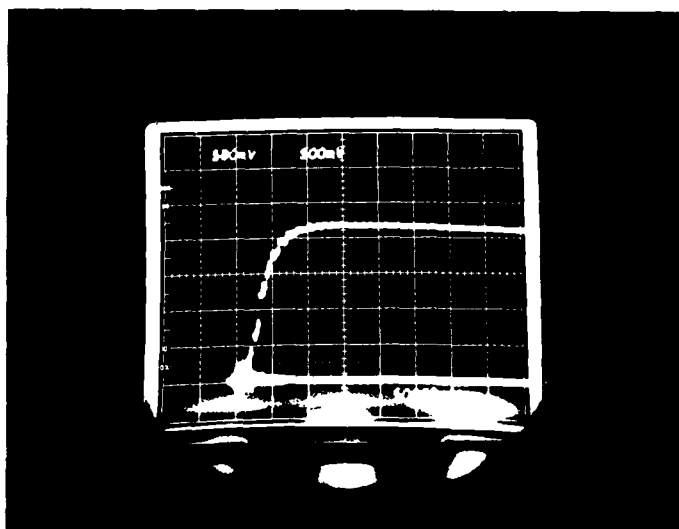
ALL @ .5V



765

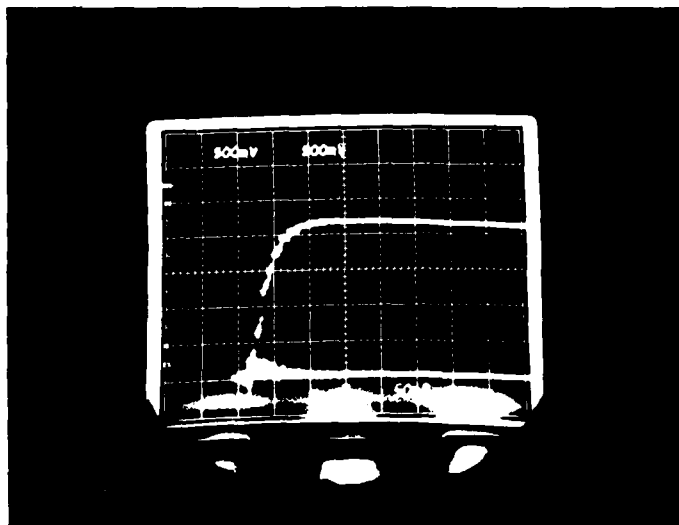
Date 6-5-85
 Test Point 22R-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V(1000) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:

769



Date 6-5-85
 Test Point 22R-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V(1000) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:

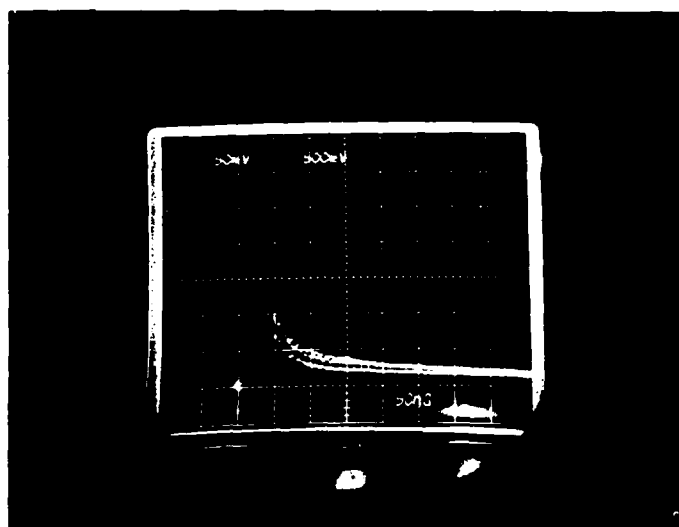
770



Date 6-5-85
 Test Point 22-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V(1000) mV/div 1
 Horizontal .05V(100V) ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

771

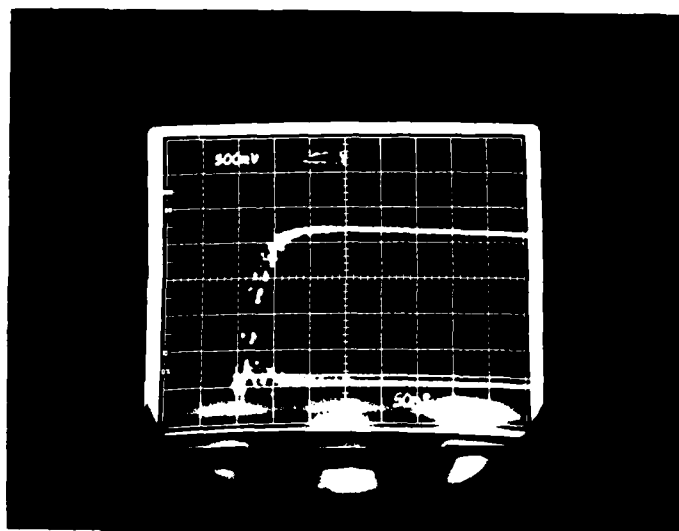
.05V(100V)/DIV



Date 6-5-85
 Test Point 22R-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

Date	6-5-85
Test Point	22-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	

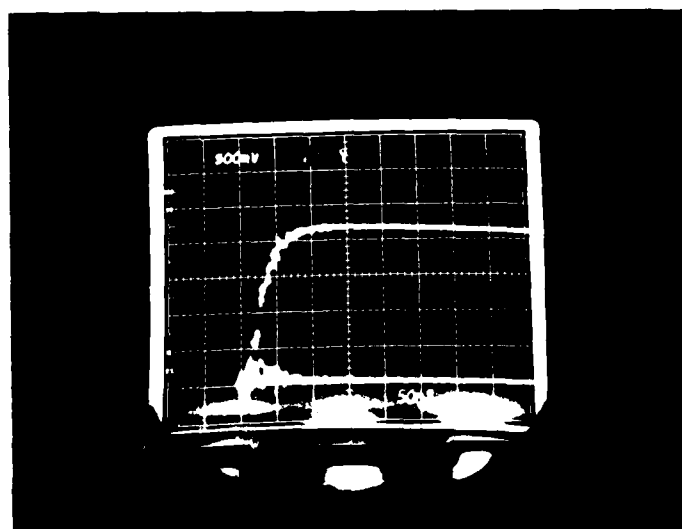
772



772

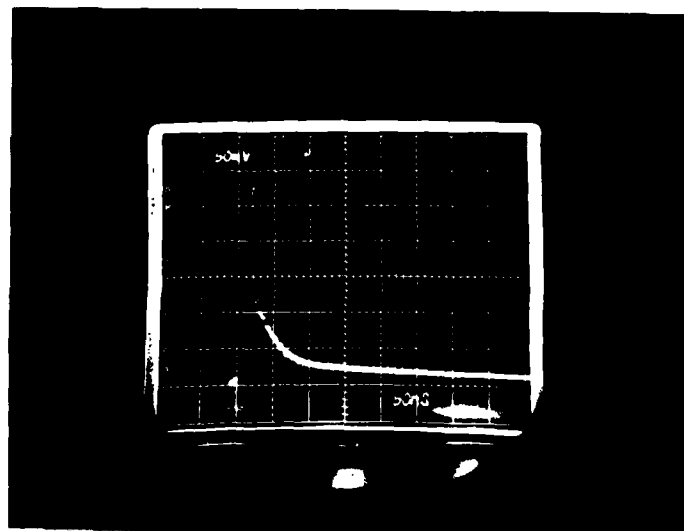
Date	6-5-85
Test Point	22R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	

773



773

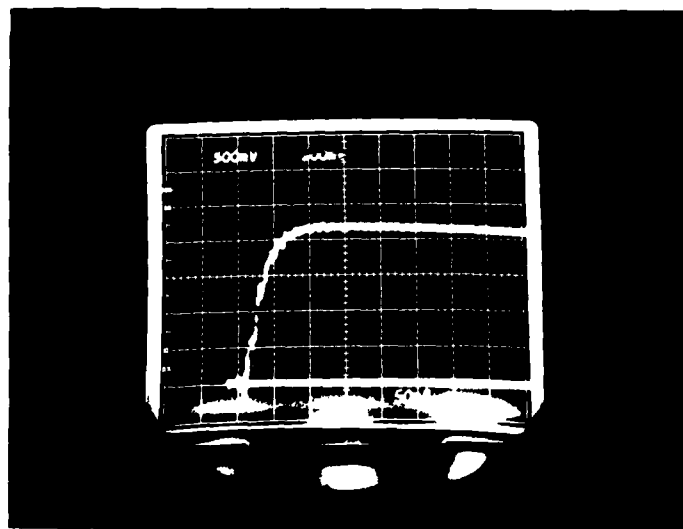
Date 6-5-85
 Test Point 22R-CH-1/10-E
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .05V (100V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level -4500V
 Data Link
 Comments: 774



Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level
 Data Link
 Comments:

Date **6-5-85**
 Test Point **23-CH-1/10-A**
 Amplification **0 dB**
 Attenuation **20 dB**
 Horizontal **50 ns/div 1**
 Vertical **.5V(1000V) mV/div 1**
 Horizontal **ns/div 2**
 Vertical **ns/div 2**
 Configuration
 Pulsar Level **+4500V**
 Data Link
 Comments:

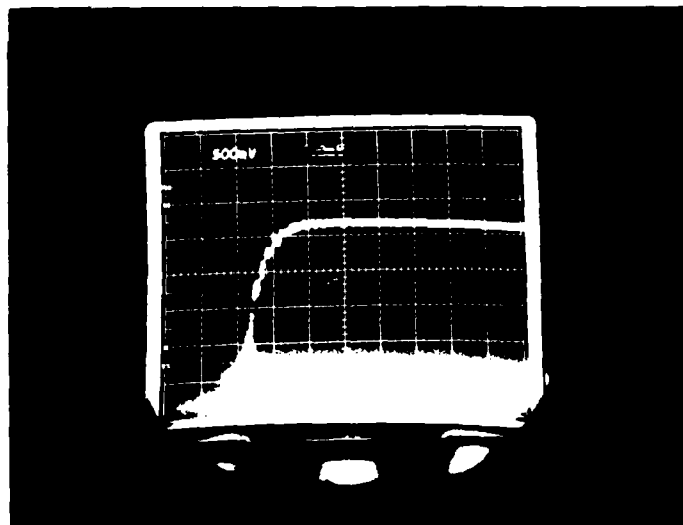
775



775

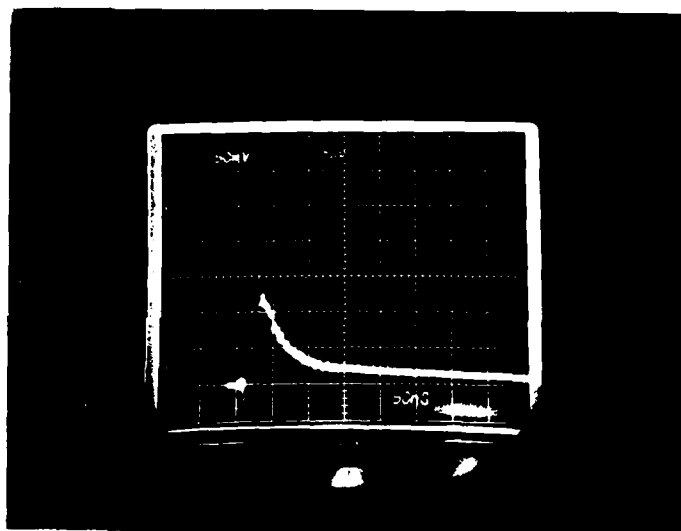
Date **5-6-85**
 Test Point **23R-CH-1/10-A**
 Amplification **dB**
 Attenuation **20 dB**
 Horizontal **50 ns/div 1**
 Vertical **.5V(1000V) mV/div 1**
 Horizontal **ns/div 2**
 Vertical **ns/div 2**
 Configuration
 Pulsar Level **-4500V**
 Data Link
 Comments:

776



776

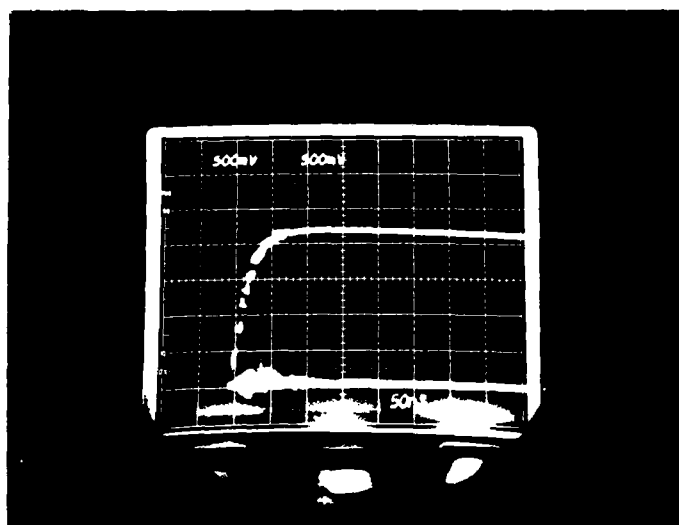
Date	6-5-85
Test Point	23 -CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	777



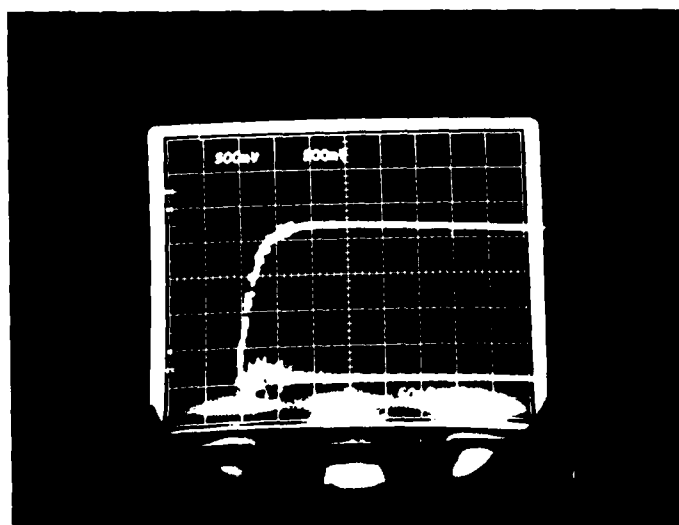
777

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

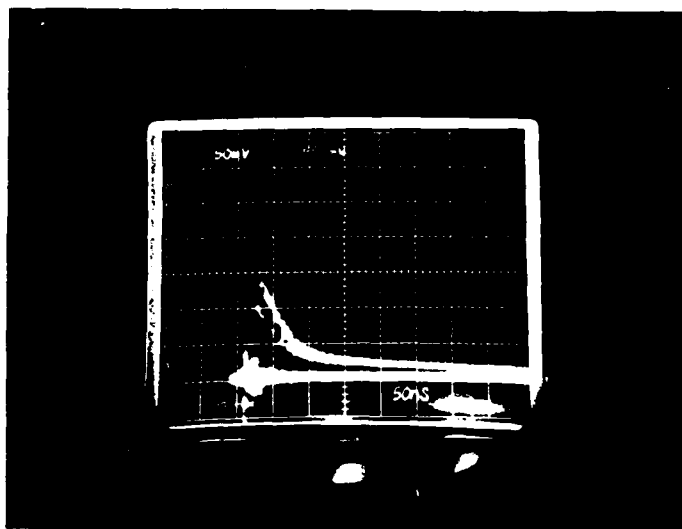
Date	6-5-85
Test Point	23-CH-100-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500 V
Data Link	
Comments:	766



Date	6-5-85
Test Point	23R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	767



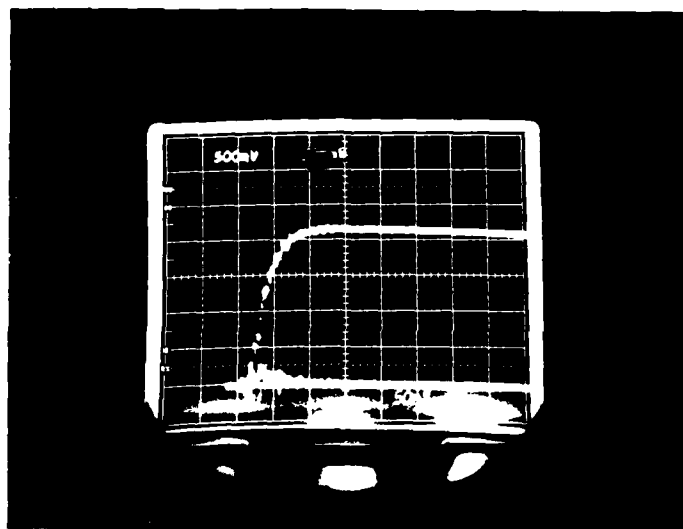
Date	6-5-85
Test Point	23R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	7



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	23-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	

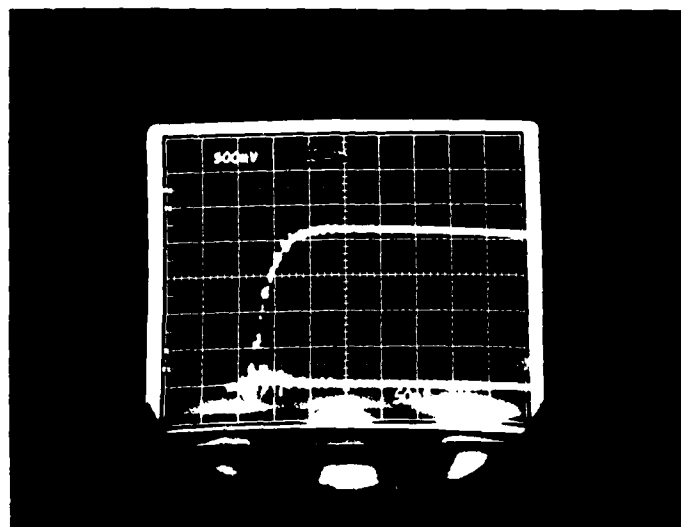
775



778

Date	6-5-85
Test Point	22R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

777



779

NO-A164 433

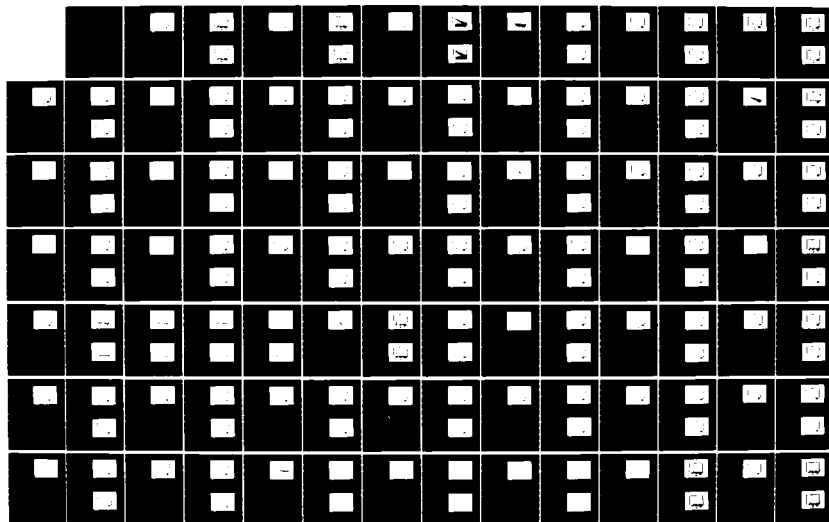
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF
PROTECTION DEVICES FOR. (U) ELECTROSPACE SYSTEMS INC
ARLINGTON VA D BODSON ET AL. 31 OCT 85

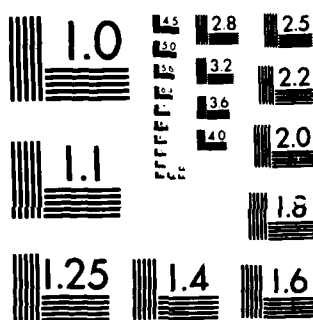
2/3

UNCLASSIFIED

NCS-T18-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

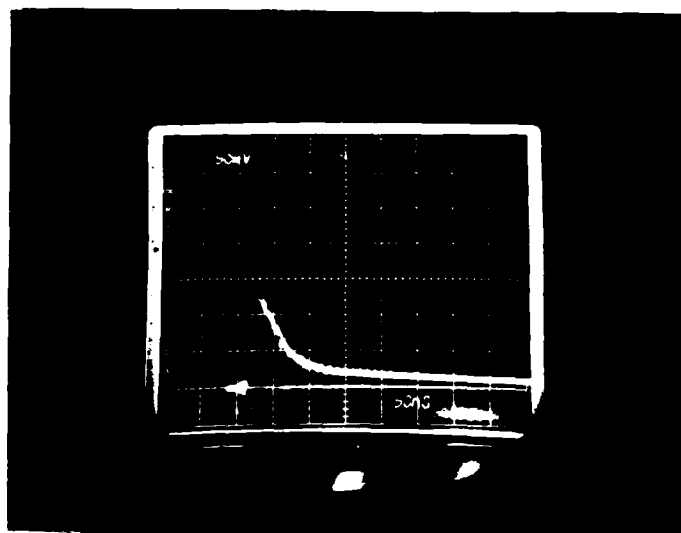
ML





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

Date	6-5-85
Test Point	23 - CH - 1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	

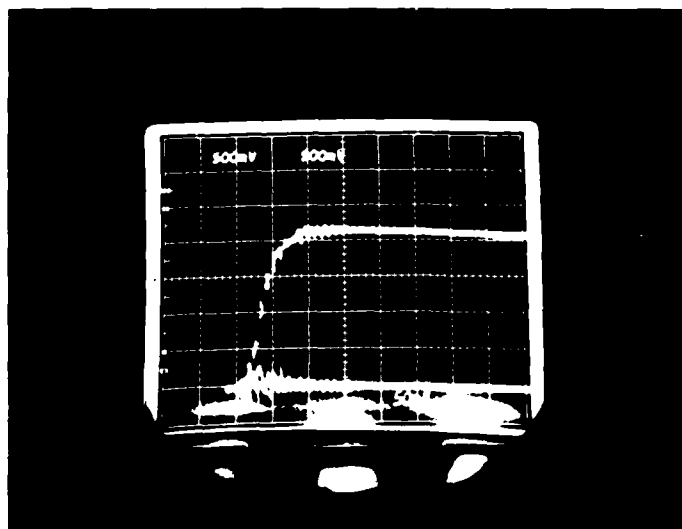


780

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	23-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) μ V/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	

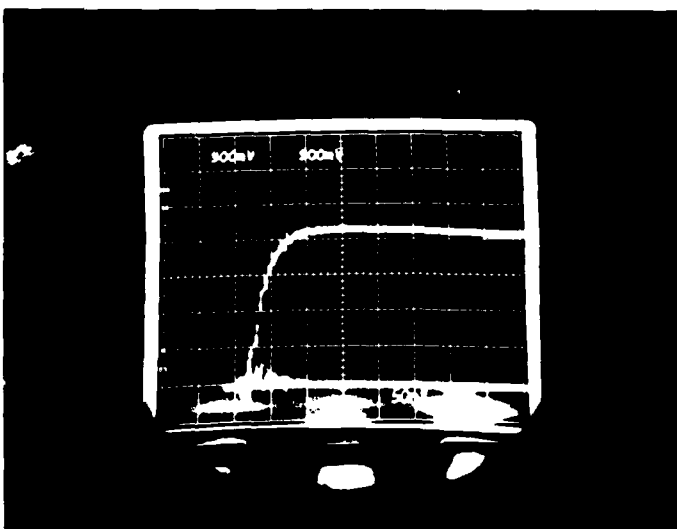
751



781

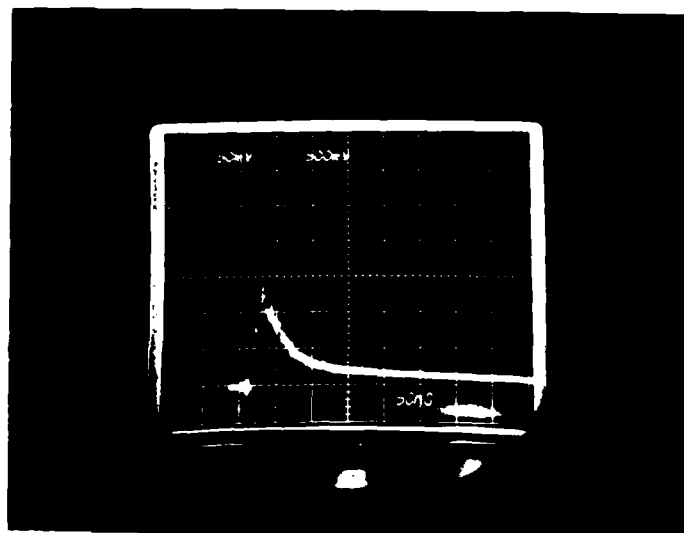
Date	6-5-85
Test Point	23R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) μ V/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	

752



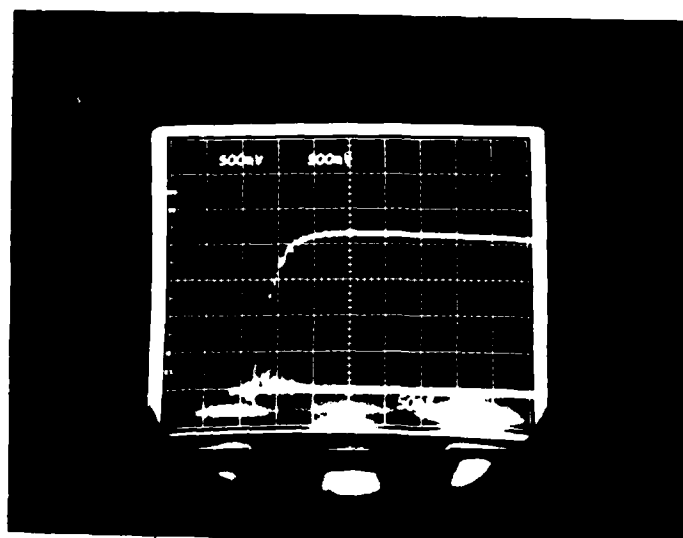
783

Date	6-5-85	
Test Point	23 CH-Y10-D	
Amplification	0 dB	
Attenuation	20 dB	
Horizontal	50	ns/div 1
Vertical	.05V(100V)	mV/div 1
Horizontal		ns/div 2
Vertical		ns/div 2
Configuration		
Pulser Level	4500 V	
Data Link		
Comments:	152	

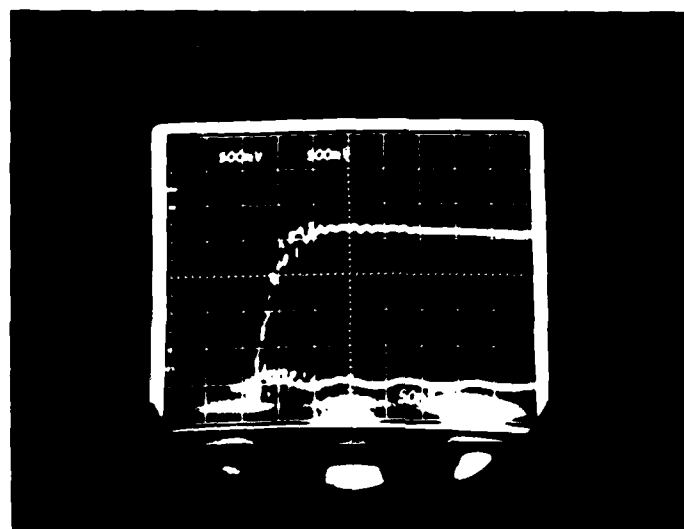


Date		
Test Point		
Amplification	dB	
Attenuation	dB	
Horizontal		ns/div 1
Vertical		mV/div 1
Horizontal		ns/div 2
Vertical		ns/div 2
Configuration		
Pulser Level		
Data Link		
Comments:		

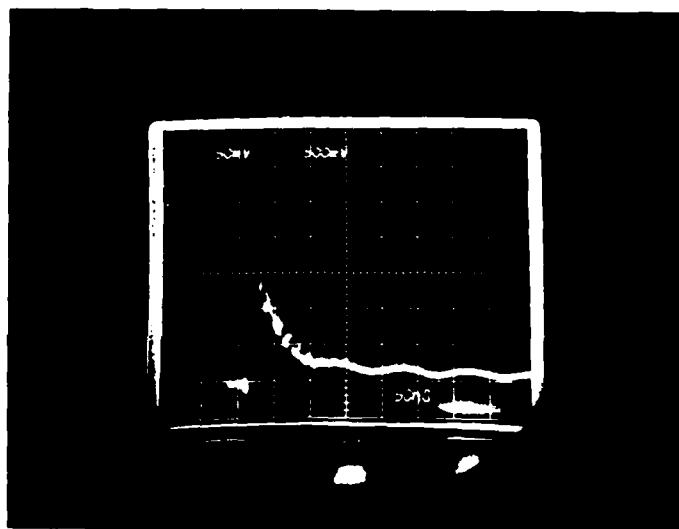
Date	6-5-85
Test Point	23-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	721



Date	6-5-85
Test Point	23R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	715



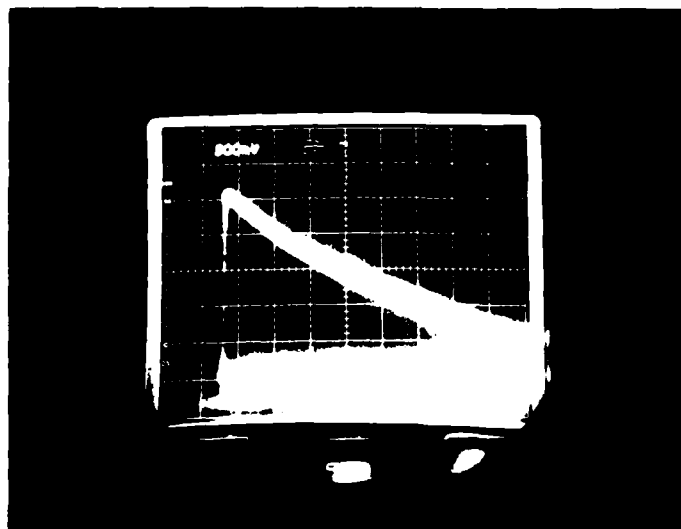
Date	6-5-85		
Test Point	23 - CH-410-E		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.05K(100V)	ns/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	4500V		
Data Link			
Comments:			



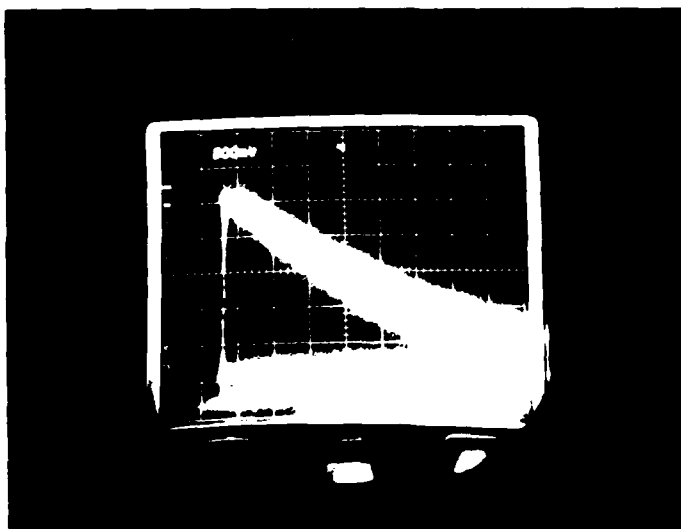
786

Date			
Test Point			
Amplification	dB		
Attenuation	dB		
Horizontal		ns/div	1
Vertical		mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level			
Data Link			
Comments:			

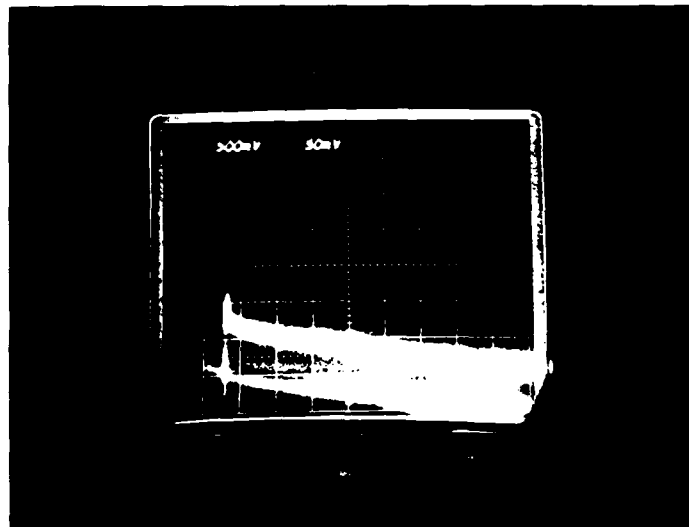
Date 6-6-85
 Test Point 25-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



Date 6-6-85
 Test Point 25R-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



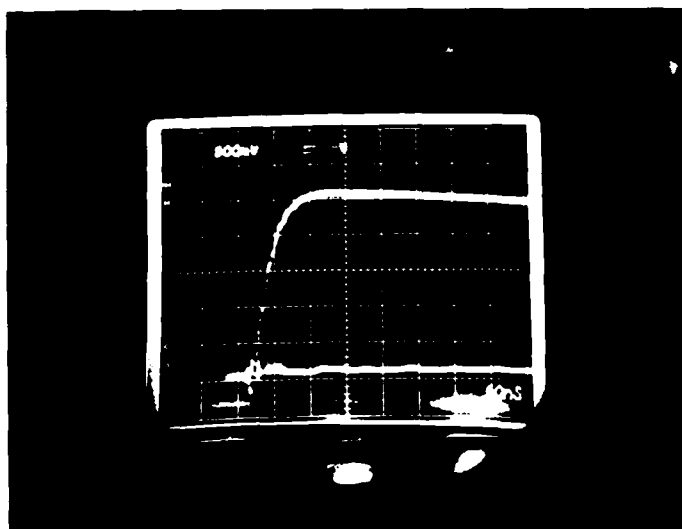
Date 6-6-85
 Test Point 25-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 105K(86V) mV/div 1
 Horizontal ns/div 2
 Vertical (86V) ~~mV~~/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments: 352



352

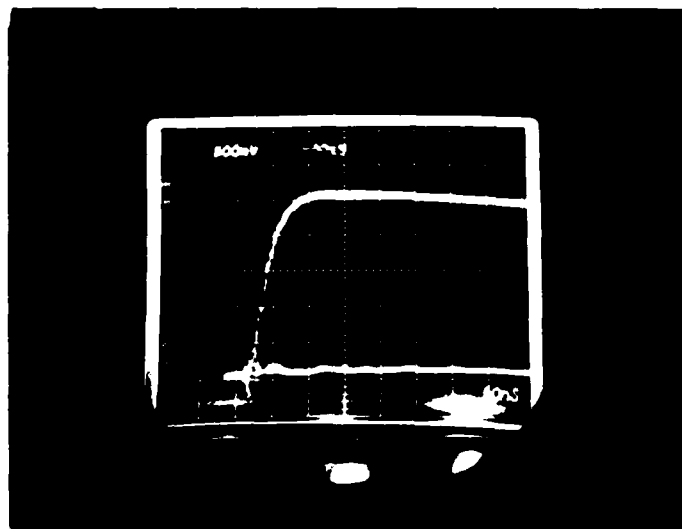
Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

Date 6-6-85
 Test Point 25-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



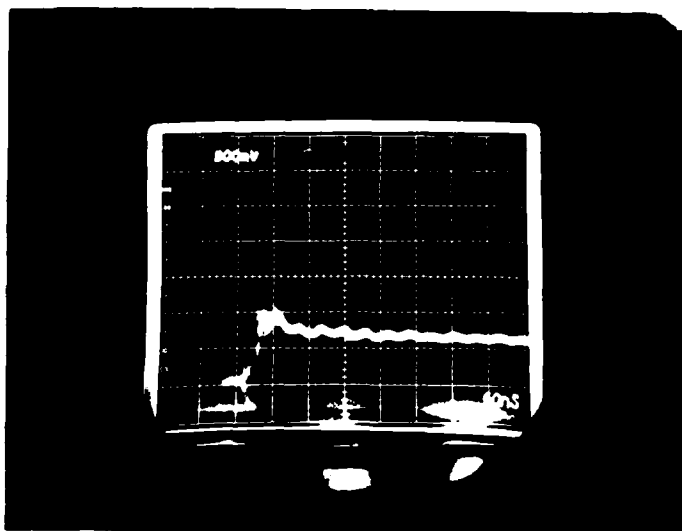
883

Date 6-6-85
 Test Point 25R-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



884

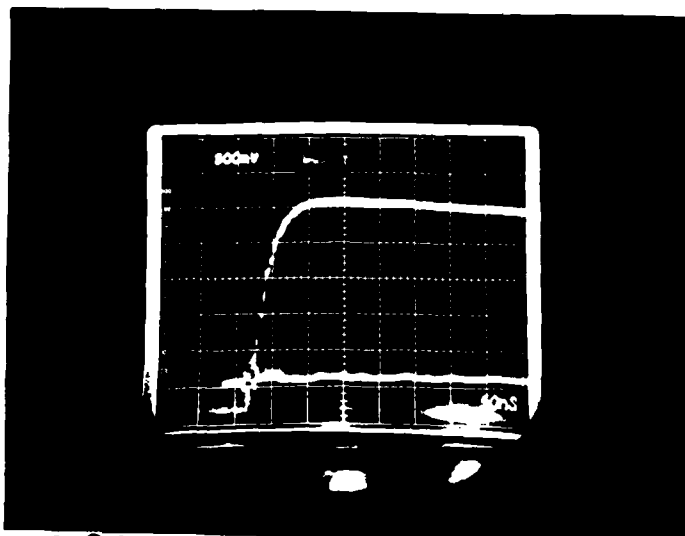
Date	6-6-85
Test Point	25-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	885



885

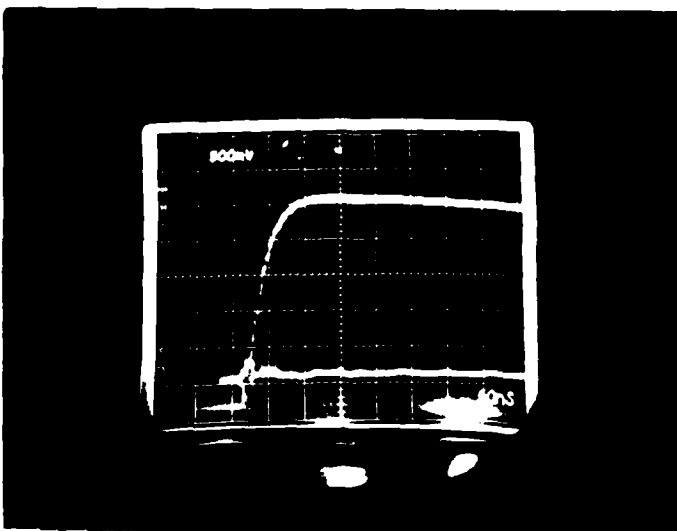
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 25-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments: 226



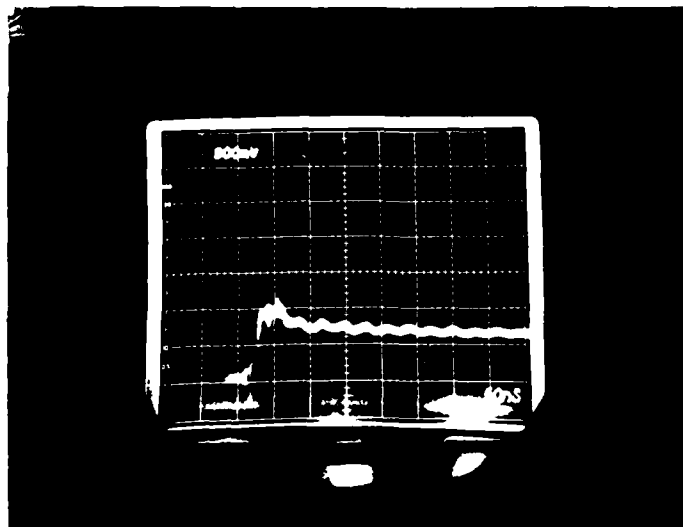
886

Date 6-6-85
 Test Point 25R-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments: 227



887

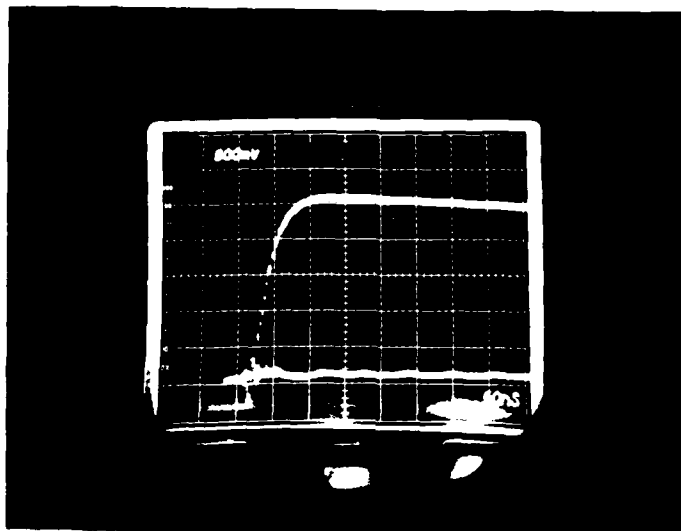
Date	6-6-85
Test Point	25-CH-Y10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	558



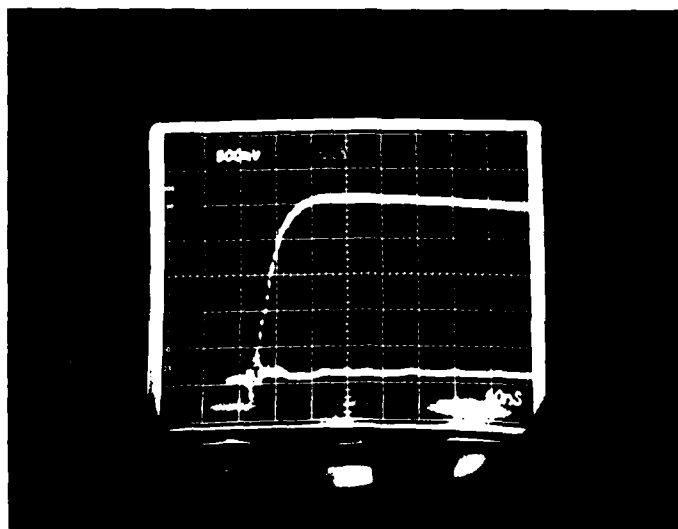
888

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

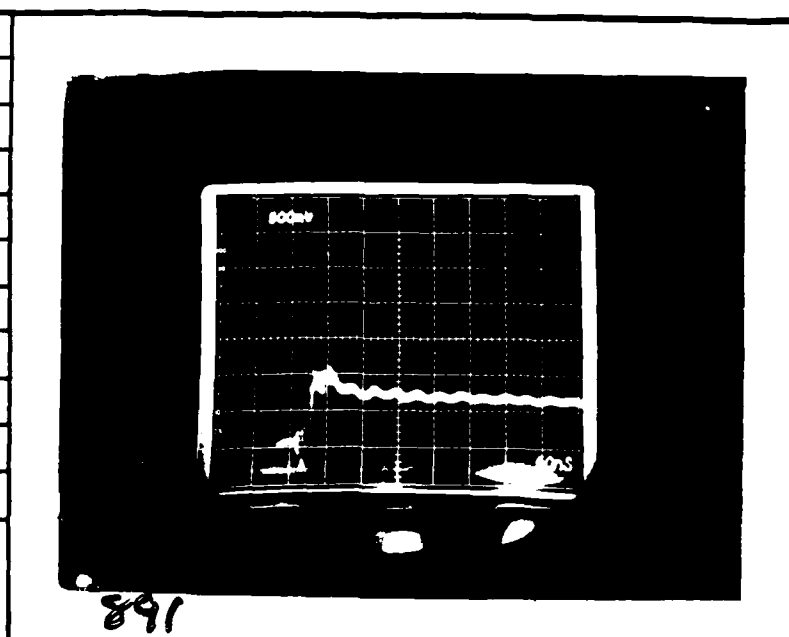
Date 6-6-85
 Test Point 25-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments: 889



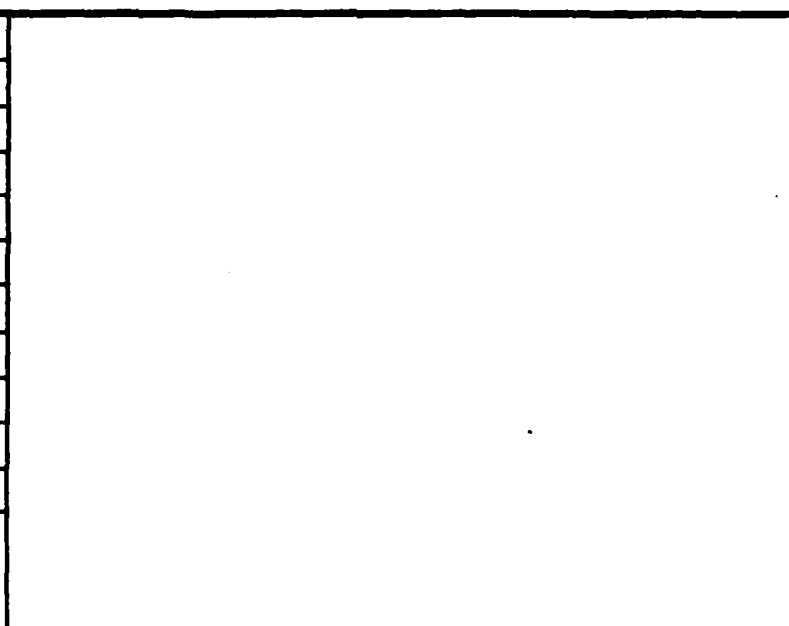
Date 6-6-85
 Test Point 25R-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments: 890



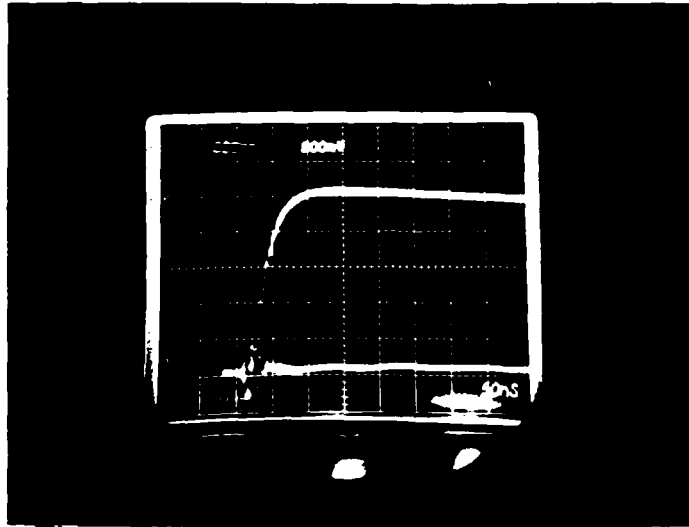
Date	6-6-85
Test Point	25-CH-110-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

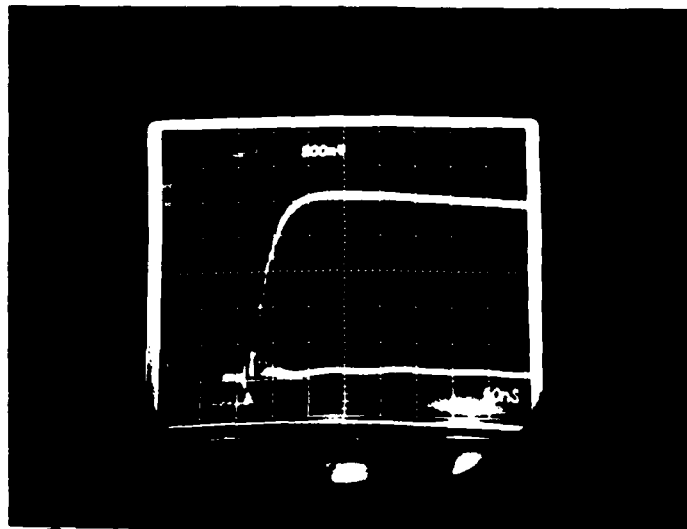


Date 6-6-85
 Test Point 26-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulse Level +4500V
 Data Link
 Comments: 773



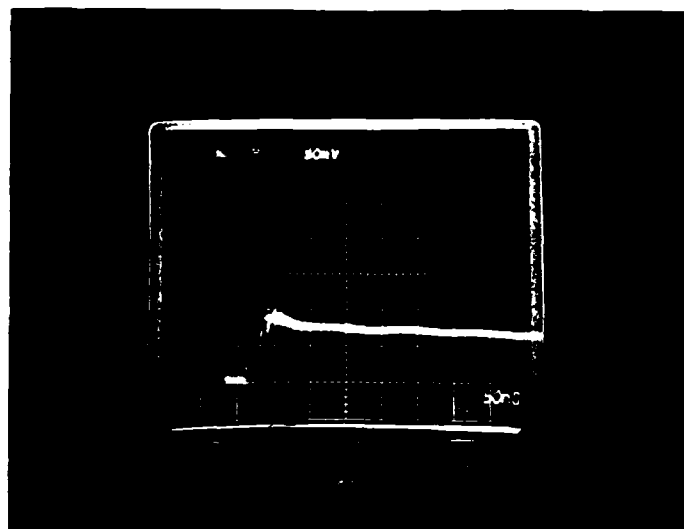
973

Date 6-6-85
 Test Point 26R-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulse Level -4500V
 Data Link
 Comments: 174



974

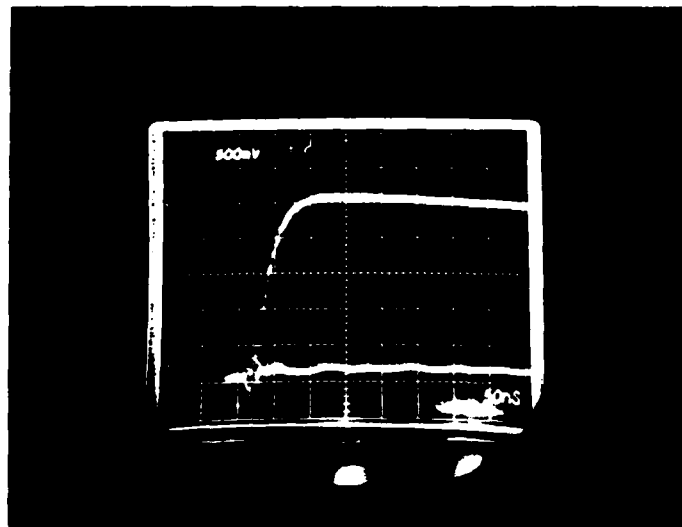
Date	6-6-85
Test Point	26-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



??5

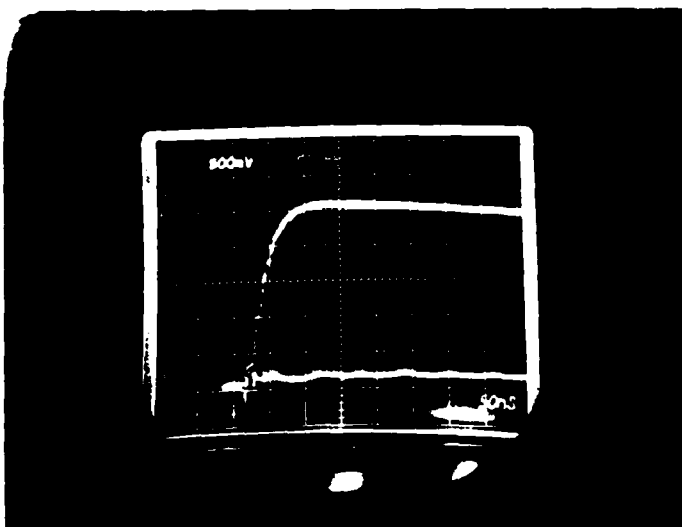
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	27-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	+ 4500 V
Date Link	
Comments:	772



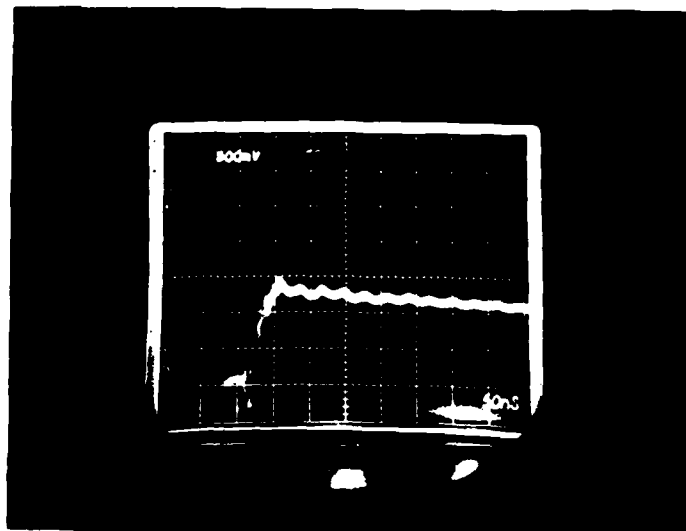
892

Date	6-6-85
Test Point	27R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	- 4500 V
Date Link	
Comments:	772



893

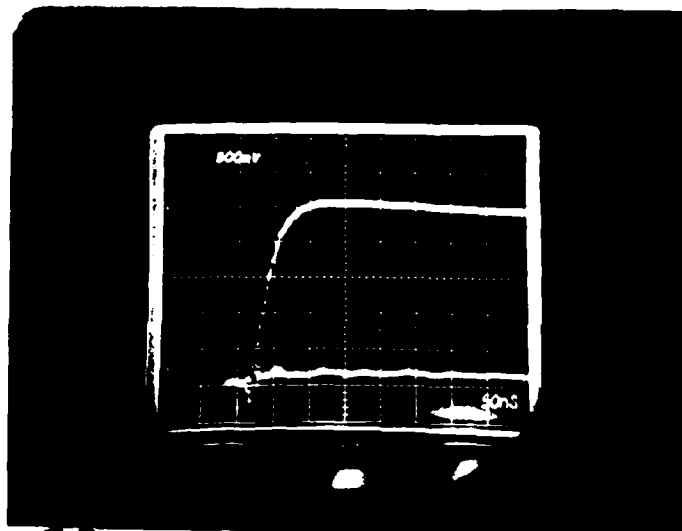
Date	6-6-85
Test Point	27-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86mV) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulse Level	+ 4500 V
Data Link	
Comments:	874



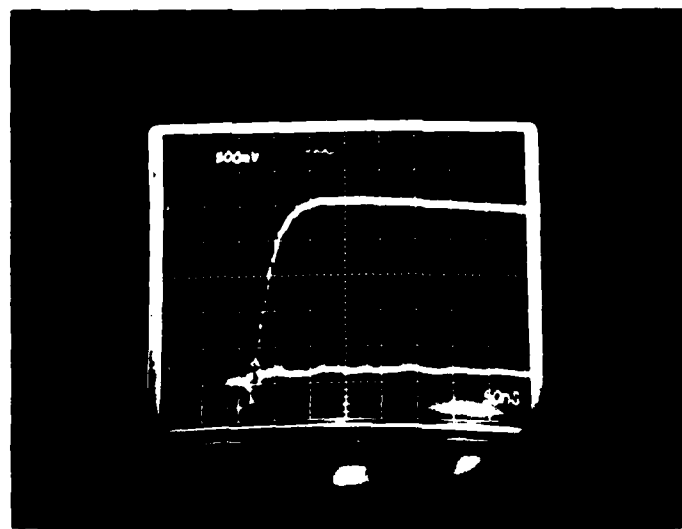
894

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

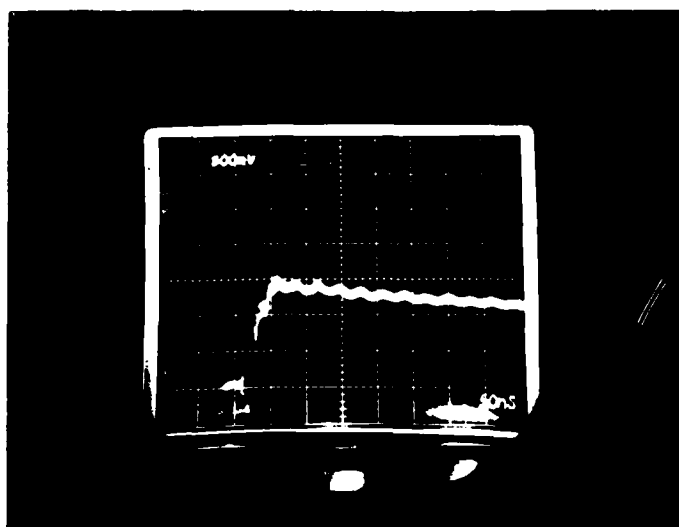
Date 6-6-85
 Test Point 27-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



Date 6-6-85
 Test Point 27R-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



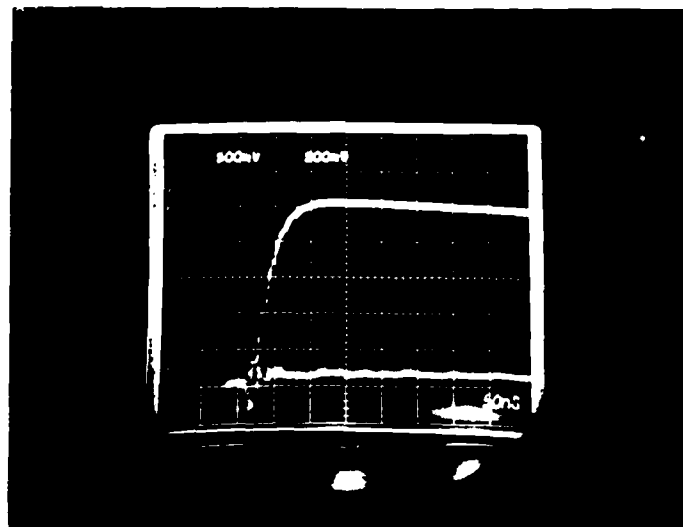
Date	6-6-85
Test Point	27-CH-1/10-1B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	377



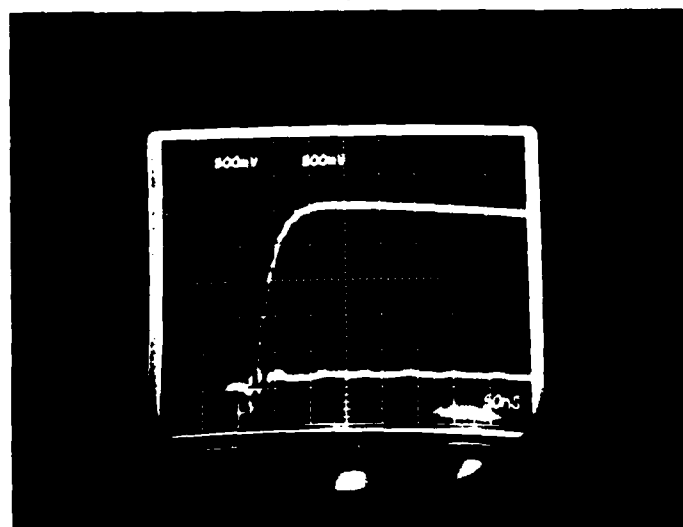
897

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

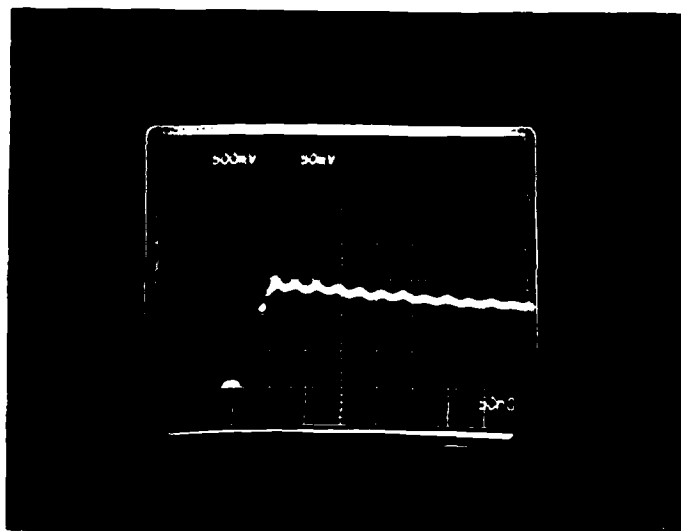
Date	6-6-85
Test Point	27-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1 2 1



Date	6-6-85
Test Point	27R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

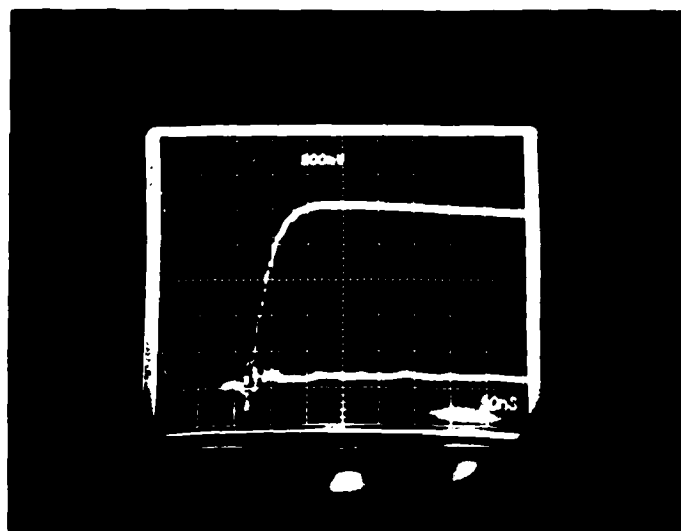


Date	6-6-85
Test Point	27-CH- 1/20- C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



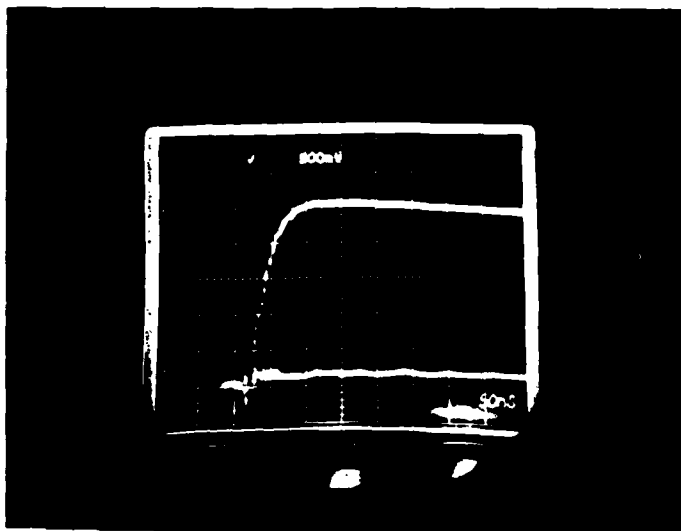
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 27-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



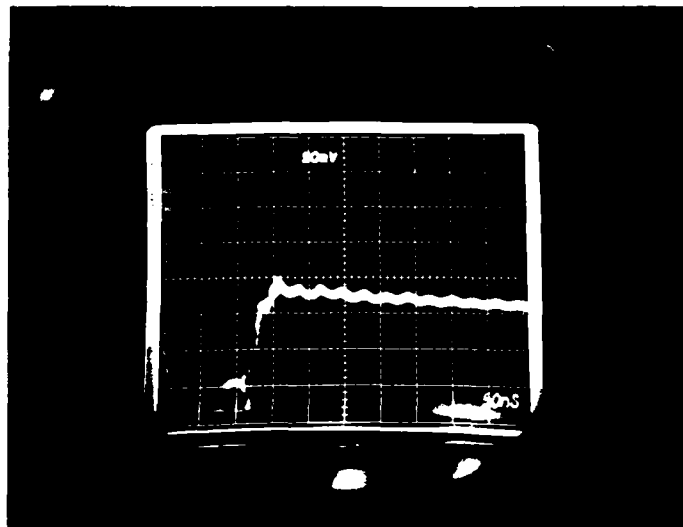
901

Date 6-6-85
 Test Point 27R-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



902

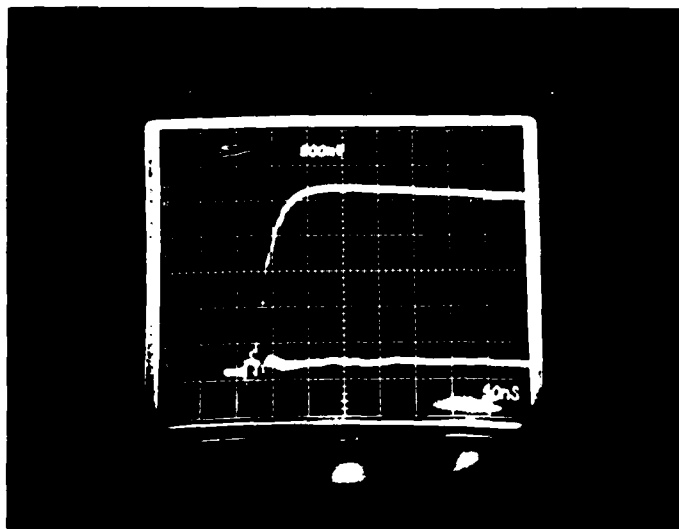
Date	6-6-85
Test Point	27-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	



903

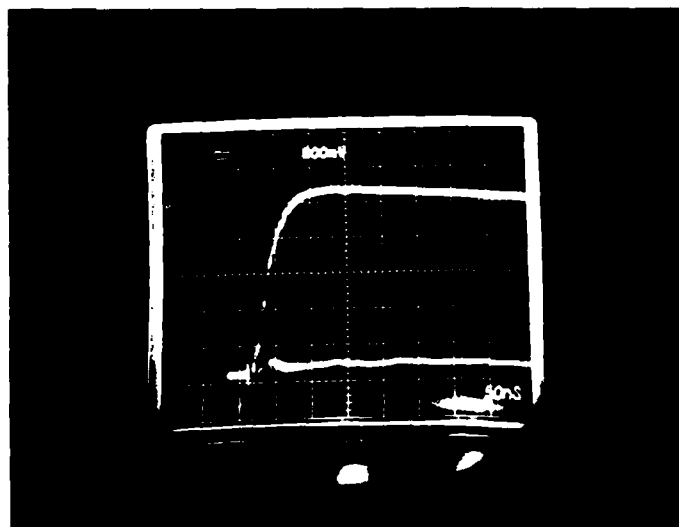
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 28-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 1.5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



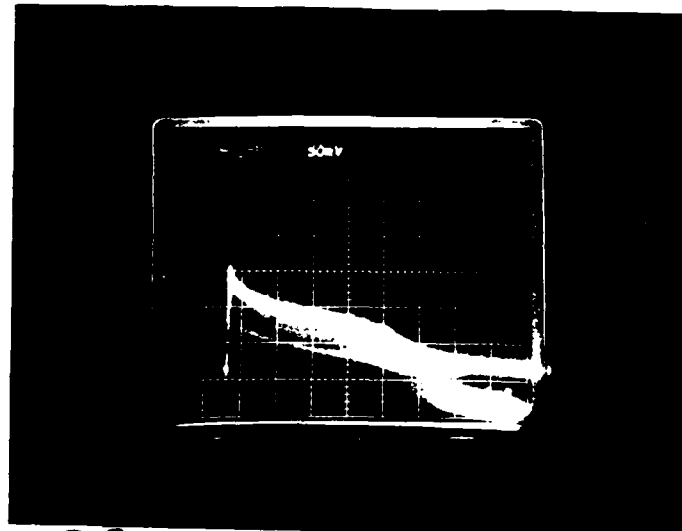
979

Date 6-6-85
 Test Point 28R-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 1.5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



980

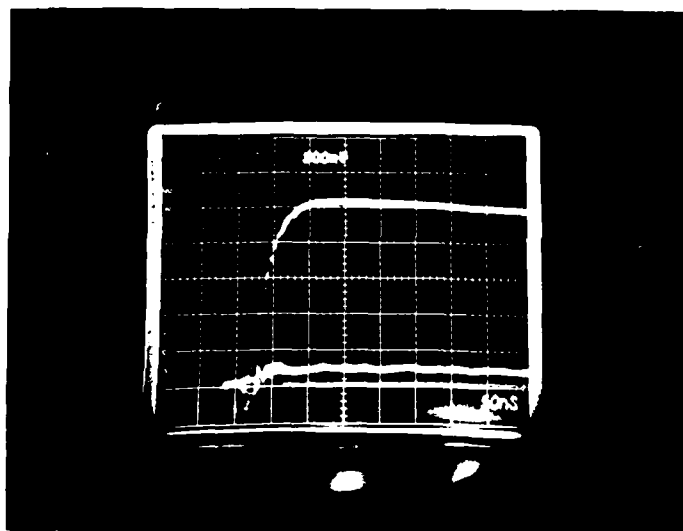
Date	6-6-85
Test Point	28-CH-1/10-4
Amplification	0 dB
Attenuation	20 dB
Horizontal	1 ~~ns~~ / div 1
Vertical	.05V (286V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	72



981

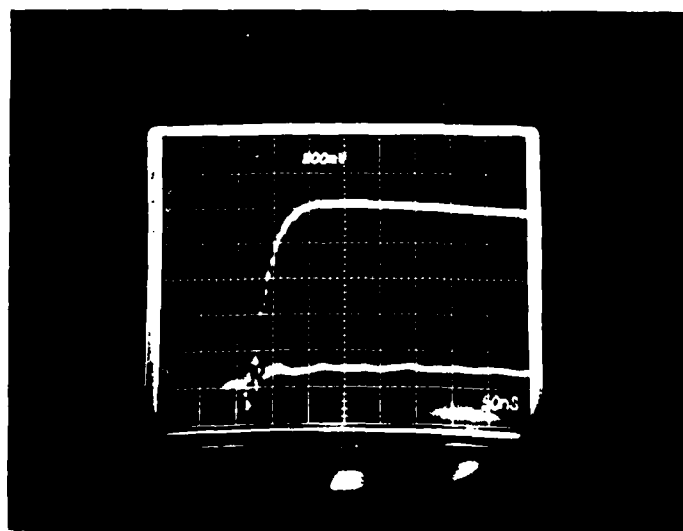
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 29-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



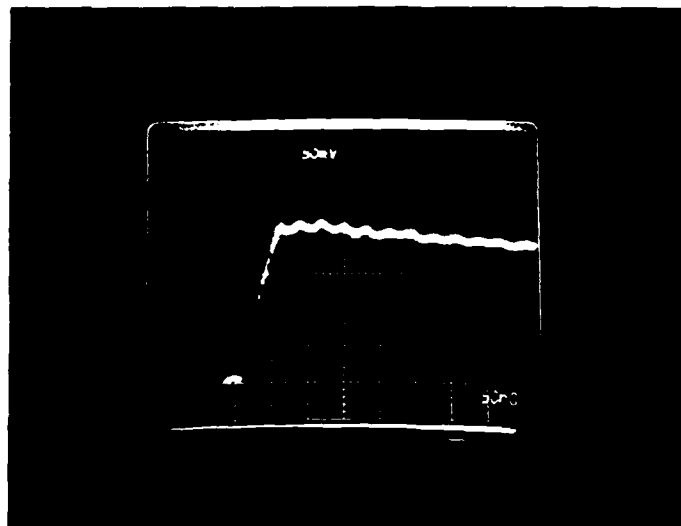
904

Date 6-6-85
 Test Point 29R-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



905

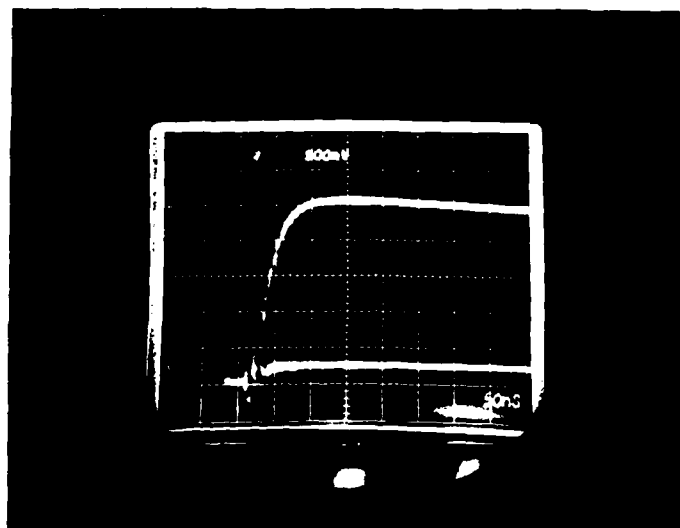
Date	6-6-85
Test Point	29-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



906

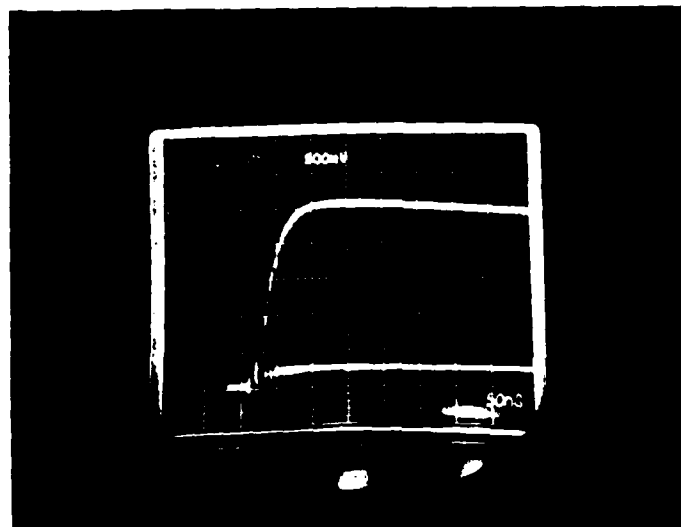
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 29-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



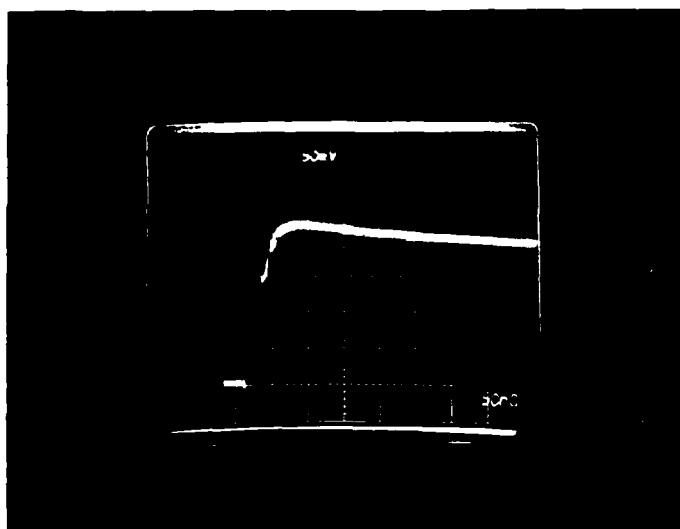
907

Date 6-6-85
 Test Point 29R-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



908

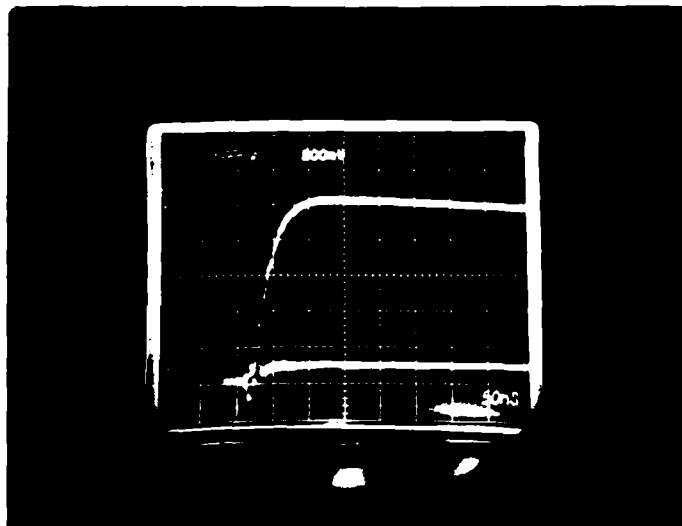
Date	6-6-85
Test Point	29-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	



909

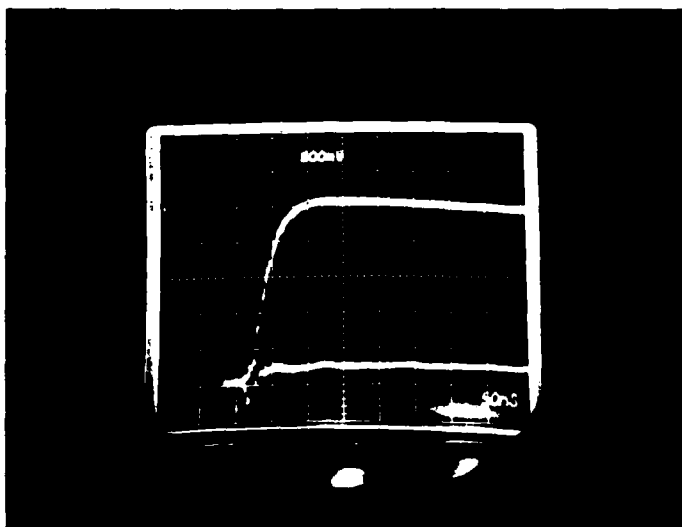
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



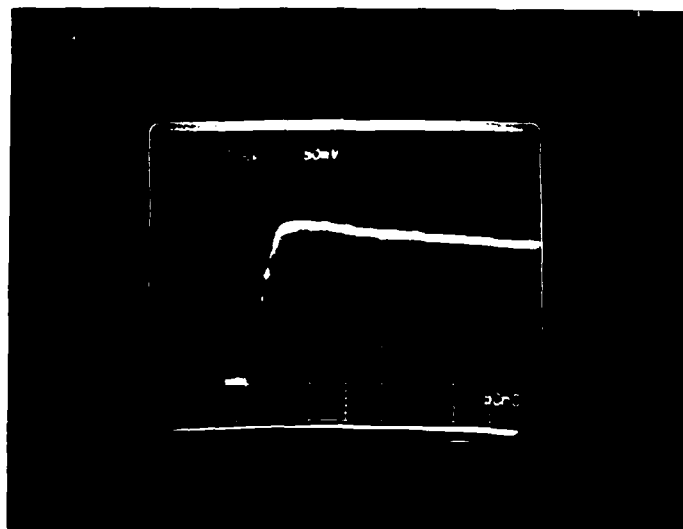
910

Date	6-6-85
Test Point	29R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



911

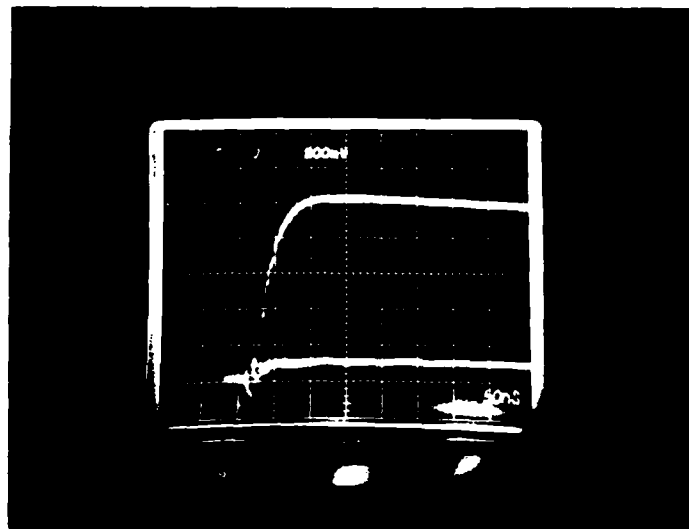
Date	6-6-85
Test Point	29-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (886V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



912

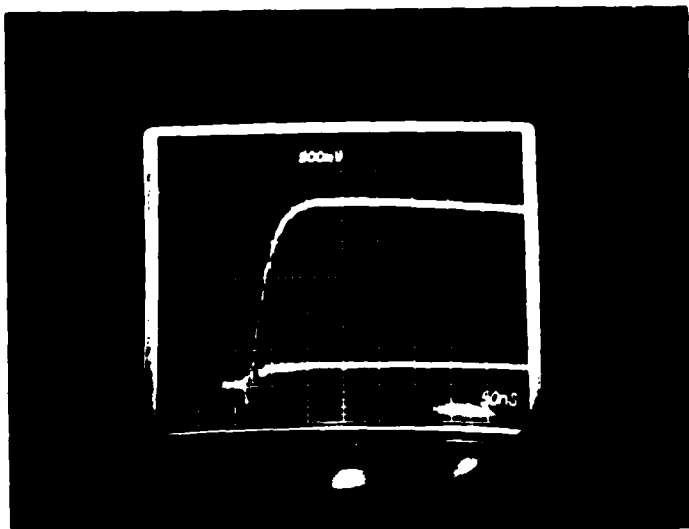
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



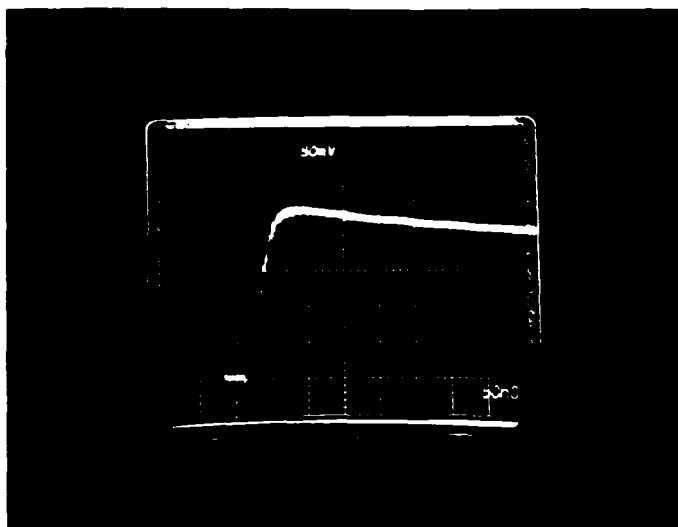
913

Date	6-6-85
Test Point	29R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	~~50 ns/div~~ 1
Vertical	~~.5V (860V)~~ mV/div 1
Horizontal	50 ns/div 1
Vertical	.5V (860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



914

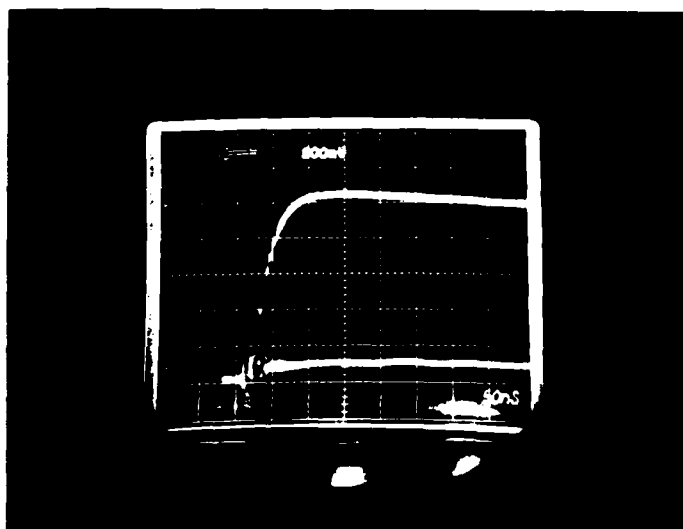
Date	6-6-85
Test Point	29-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (806V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	



915

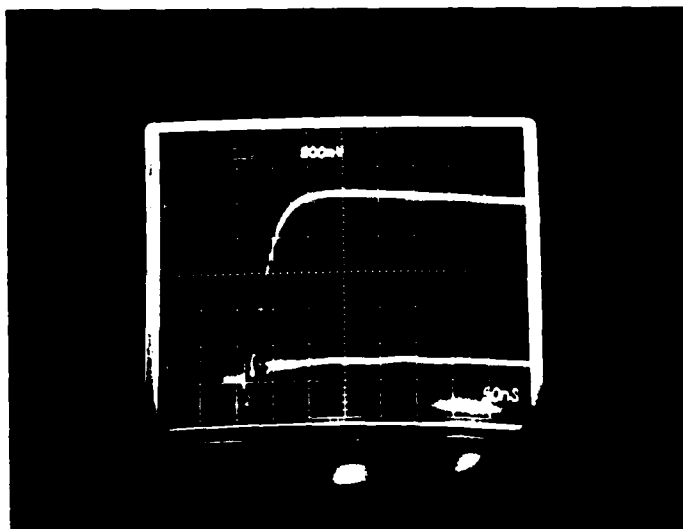
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	30-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



976

Date	6-6-85
Test Point	30R-CH 1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	

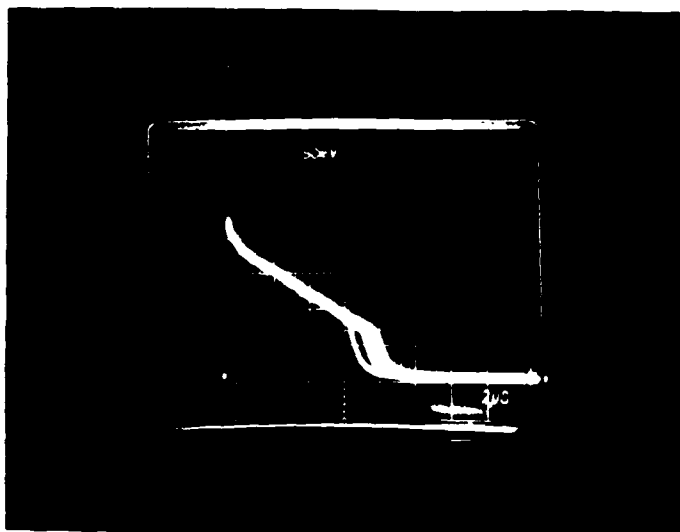


977

Date	6-6-85
Test Point	30-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	24.5 ns/div 1
Vertical	105V (86V) ns/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level +	4500V
Date Link	

Comments:

978

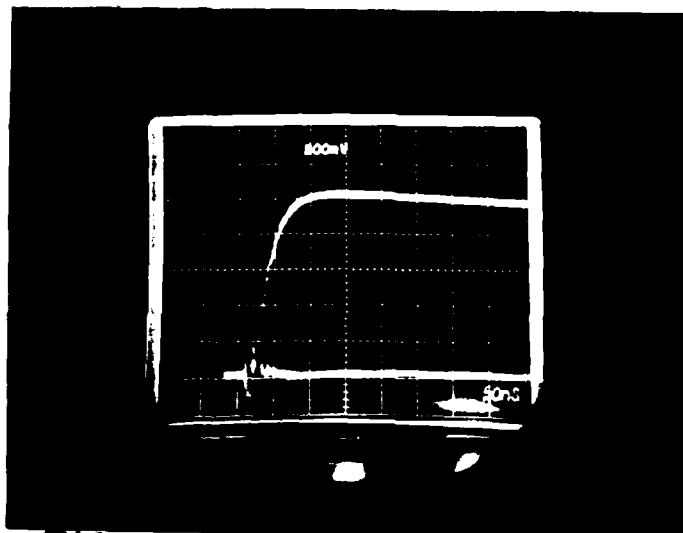


978

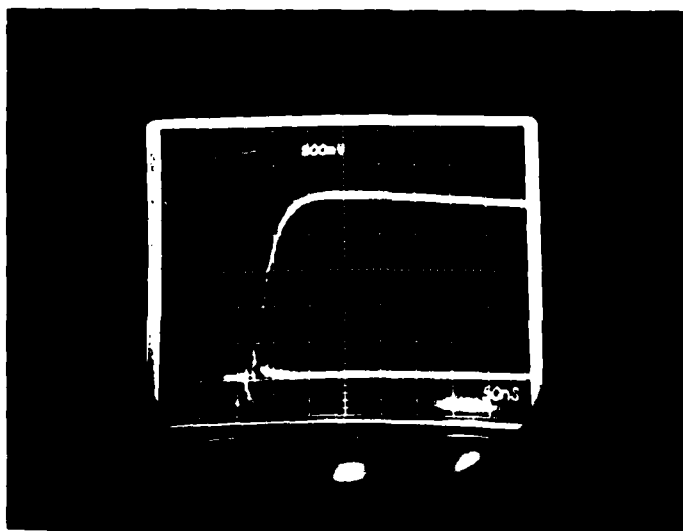
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	

Comments:

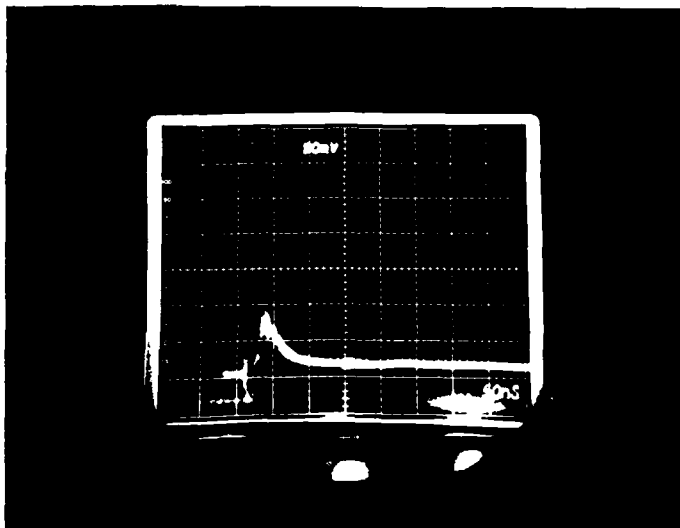
Date	6-6-85		
Test Point	32-CH-1/10-A		
Amplification	0	dB	
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (860V)	mV/div	1
Horizontal		ns/div	2
Vertical	(860V)	ns/div	2
Configuration			
Pulse Level	+ 4500V		
Data Link			
Comments:			



Date	6-6-85		
Test Point	32R-CH-1/10-A		
Amplification	0	dB	
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (860V)	mV/div	1
Horizontal		ns/div	2
Vertical	(860V)	ns/div	2
Configuration			
Pulse Level	- 4500V		
Data Link			
Comments:			



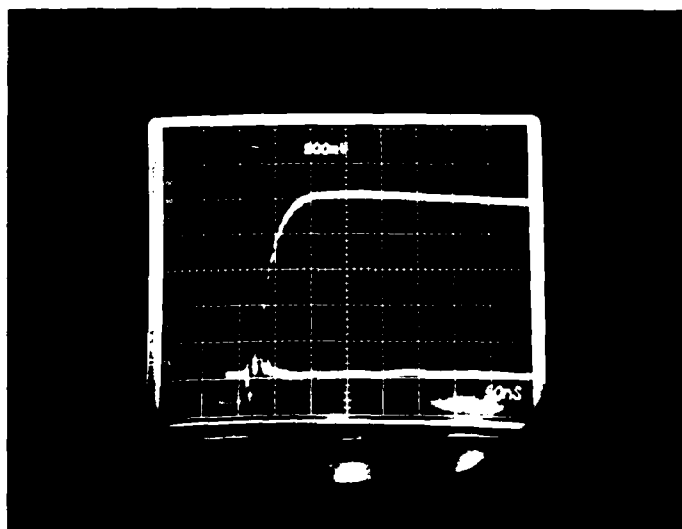
Date	6-6-85
Test Point	32 -CH- 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



71B

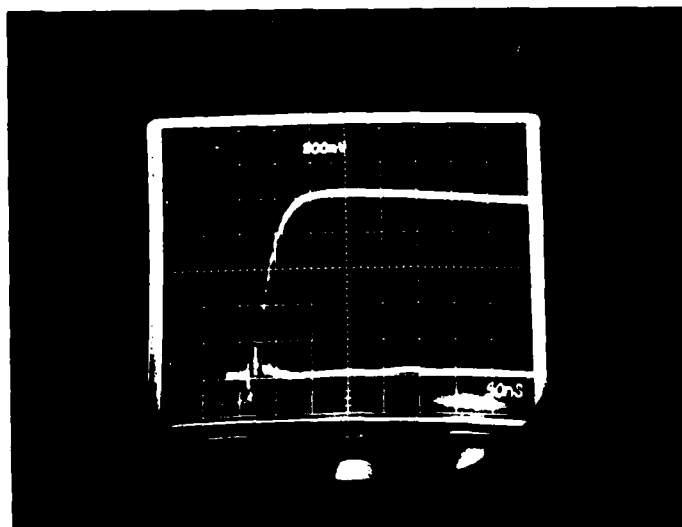
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 32-CH-110-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(860V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



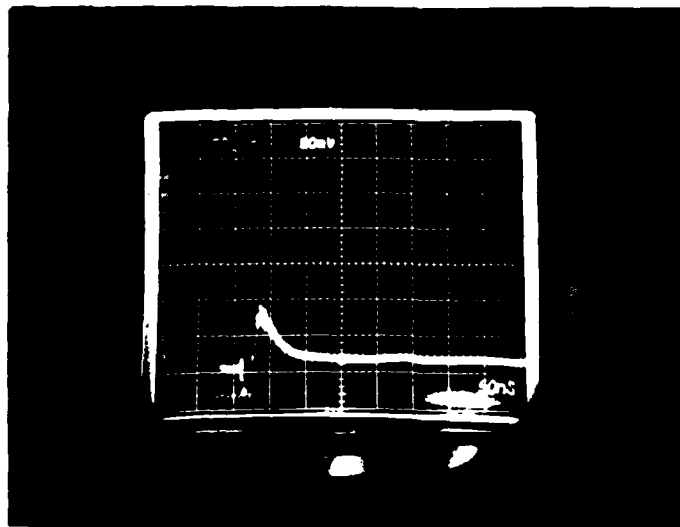
91A

Date 6-6-85
 Test Point 32R-CH-110-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



920

Date	6-6-85
Test Point	32-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.5V (186 V) mV/div 1
Horizontal	ns/div 2
Vertical	86 V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



921

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85

Test Point 32-CH-1/10-C

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(860V) mV/div 1

Horizontal ns/div 2

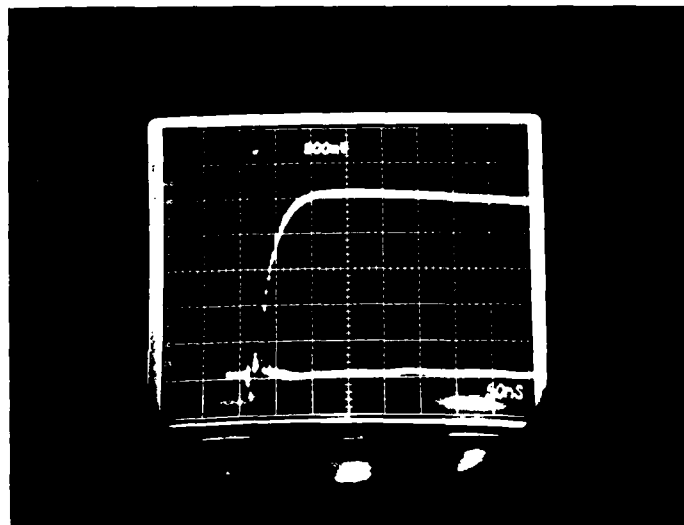
Vertical 860V ns/div 2

Configuration

Pulse Level + 4500 V

Data Link

Comments:



922

Date 6-6-85

Test Point 32R-CH-1/10-C

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(860V) mV/div 1

Horizontal ns/div 2

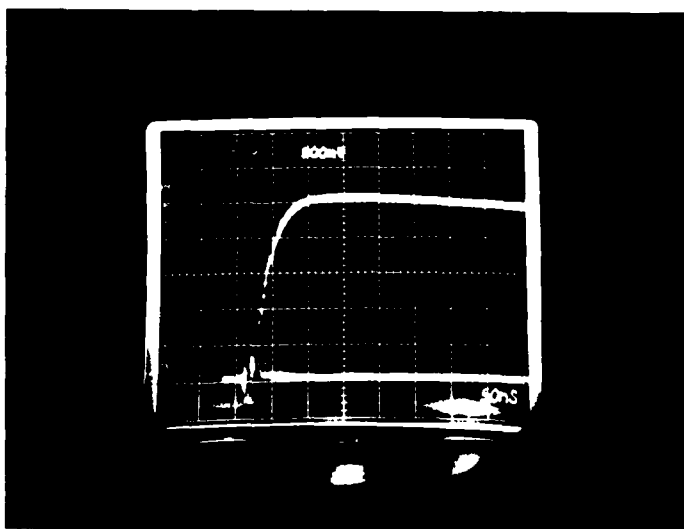
Vertical (860V) ns/div 2

Configuration

Pulse Level -4500 V

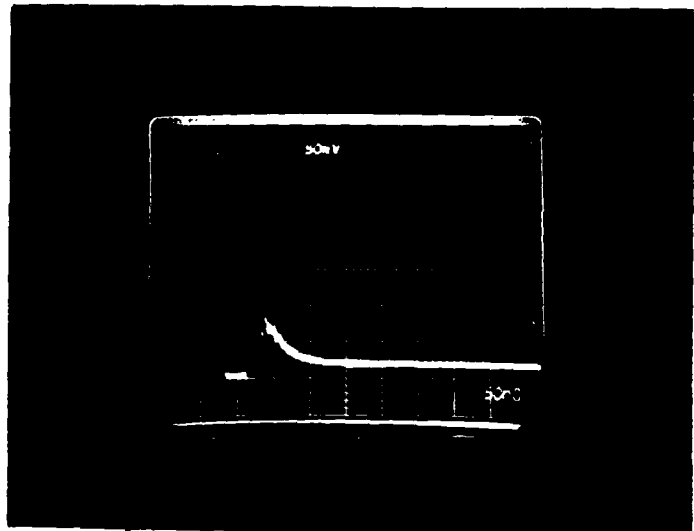
Data Link

Comments:



923

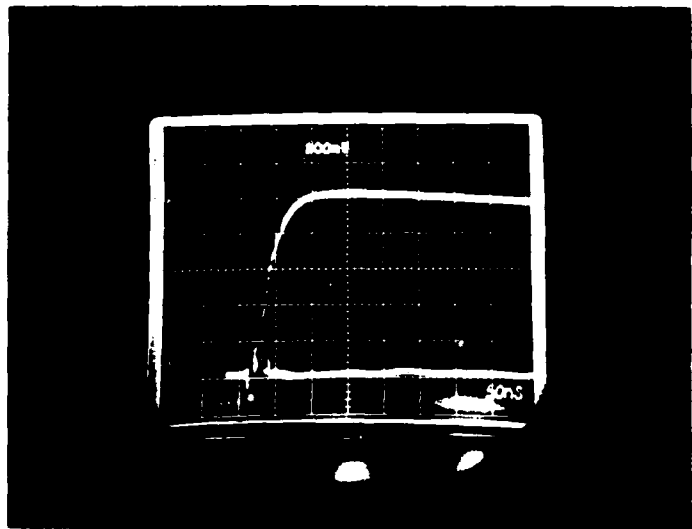
Date	6-6-85
Test Point	32-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



924

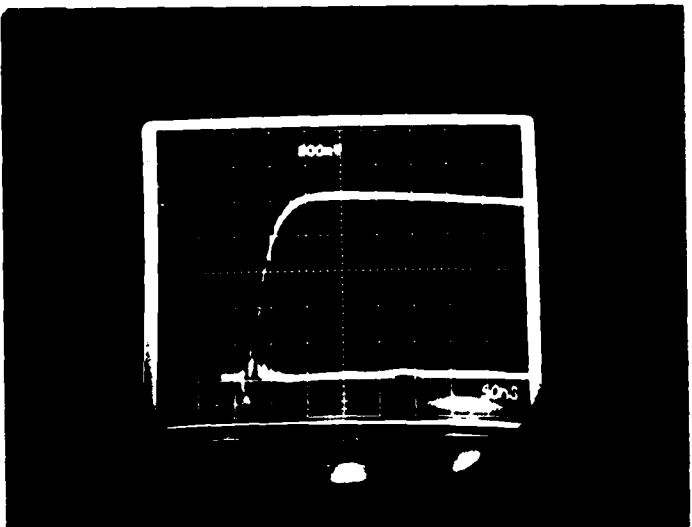
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85	
Test Point	32-CH-1/10-D	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	.5V (860V)	mV/div 1
Horizontal		ns/div 2
Vertical	860V	ns/div 2
Configuration		
Pulser Level	+4500V	
Data Link		
Comments:		



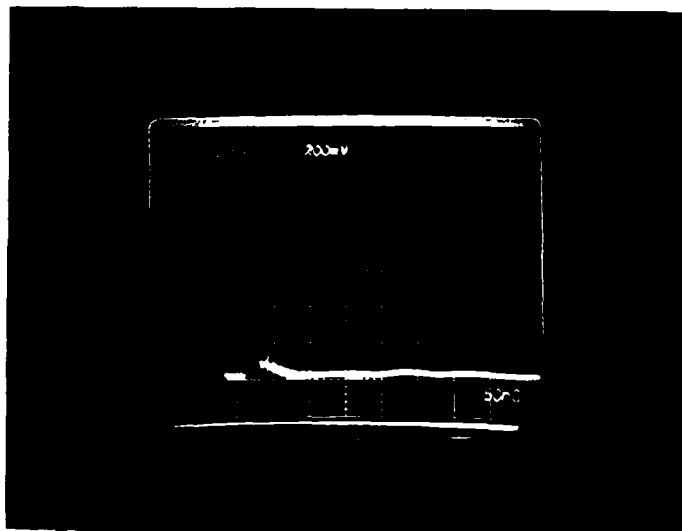
925

Date	6-6-85	
Test Point	32R-CH-1/10-D	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	.5V (860V)	mV/div 1
Horizontal		ns/div 2
Vertical	860V	ns/div 2
Configuration		
Pulser Level	-4500V	
Data Link		
Comments:		



926

Date	6-6-85	
Test Point	32-CH-1/10-D	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	2V (400V)	mV/div 1
Horizontal		ns/div 2
Vertical	(344V)	V/div 2
Configuration		
Pulse Level	+ 4500V	
Data Link		
Comments:		



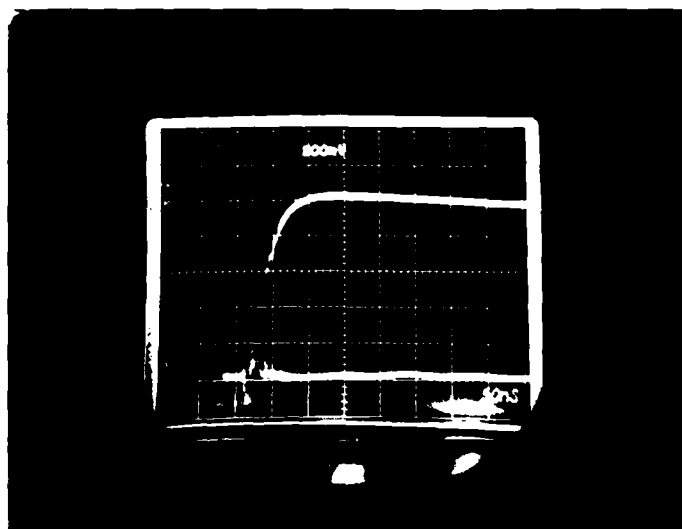
927

NOTE: 0.2V - (400V) div

Date		
Test Point		
Amplification		dB
Attenuation		dB
Horizontal		ns/div 1
Vertical		mV/div 1
Horizontal		ns/div 2
Vertical		ns/div 2
Configuration		
Pulse Level		
Data Link		
Comments:		

Date	6-6-85
Test Point	32-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (880V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ~~ns~~ /div 2
Configuration	
Pulser Level +	4500V
Data Link	

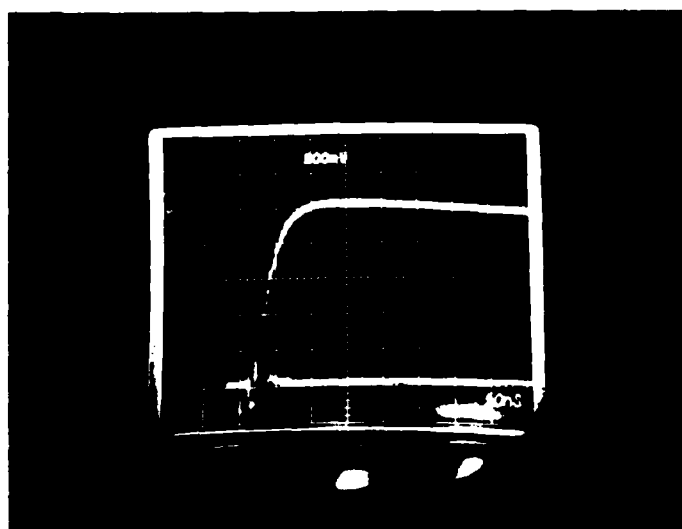
Comments:



928

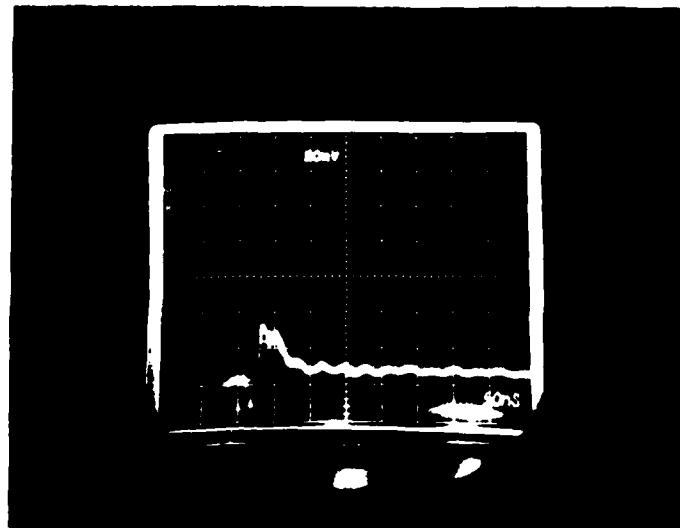
Date	6-6-85
Test Point	32R-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (880V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ~~ns~~ /div 2
Configuration	
Pulser Level -	4500V
Data Link	

Comments:



929

Date	6-6-85	
Test Point	32-CH-1/10-E	
Amplification	0	dB
Attenuation	20	dB
Horizontal	50	ns/div 1
Vertical	105V (100V)	mV/div 1
Horizontal		ns/div 2
Vertical	(86V)	ns/div 2
Configuration		
Pulser Level	4500V	
Data Link		
Comments:		

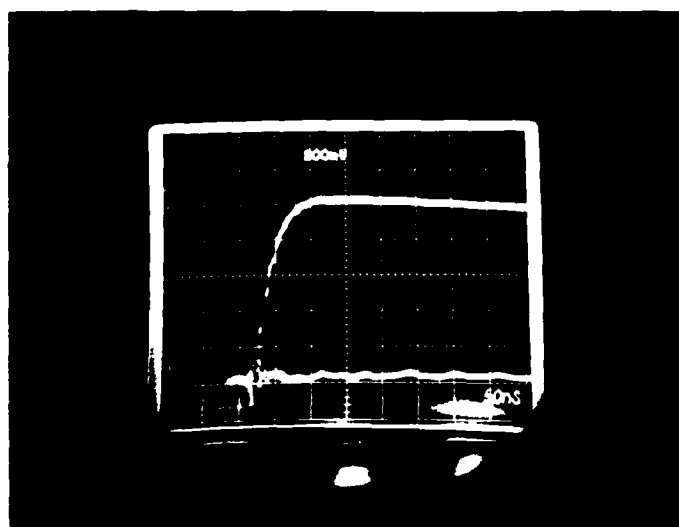


930

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 34-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

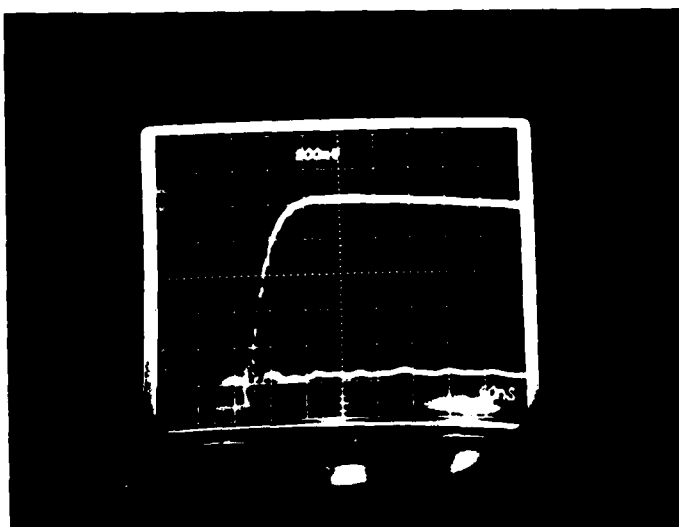
934



334 - 734

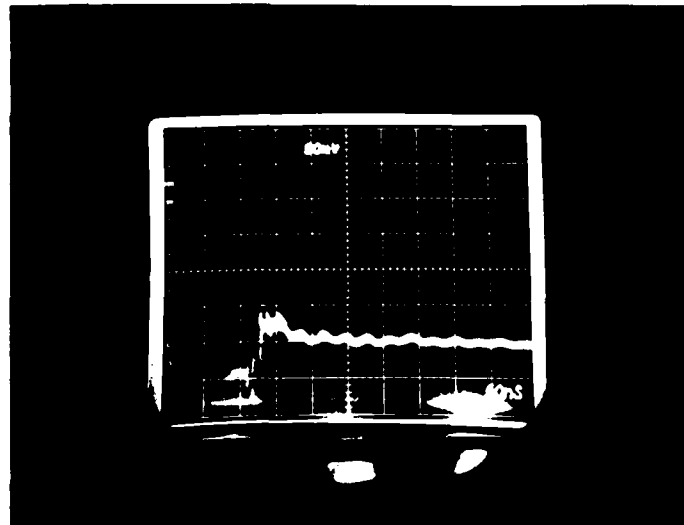
Date 6-6-85
 Test Point 34R-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

935



935 935

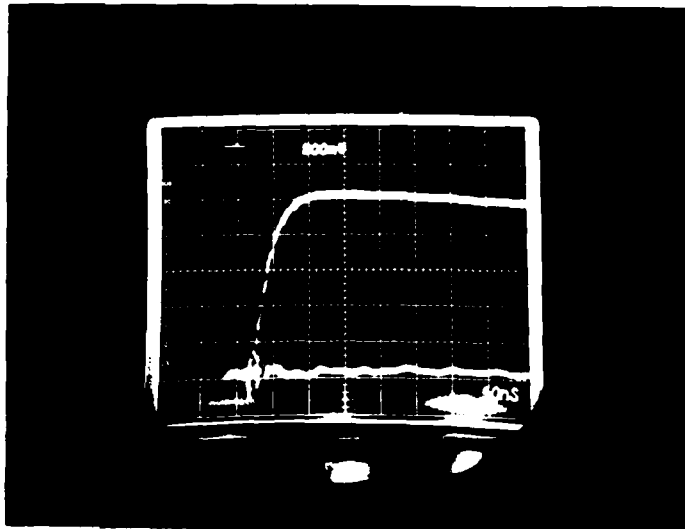
Date	6-6-85
Test Point	34-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



336 936

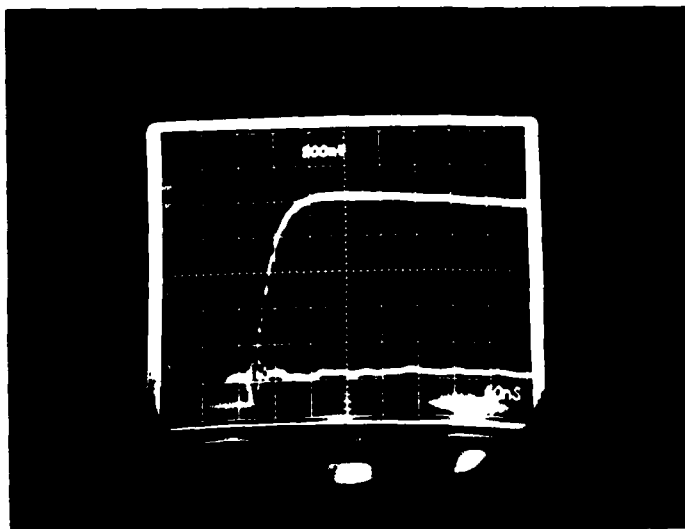
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	34-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



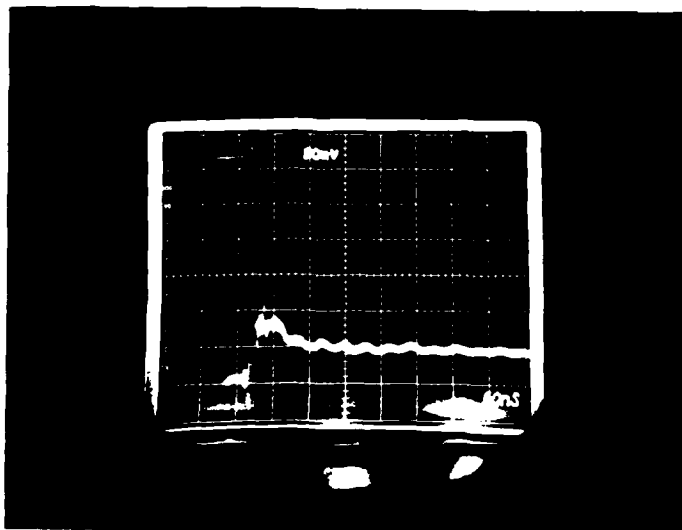
937

Date	6-6-85
Test Point	34R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



938

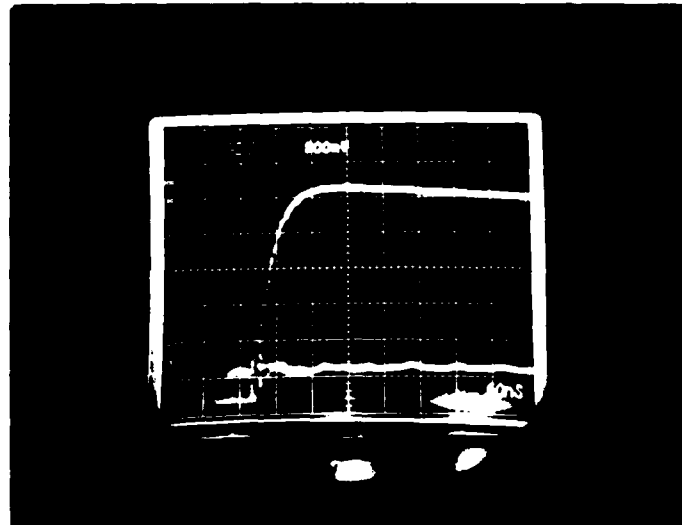
Date	6-6-85
Test Point	34-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



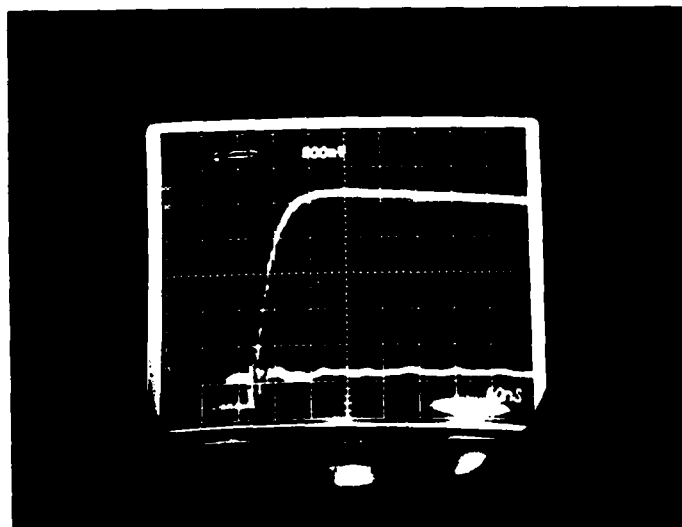
939

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

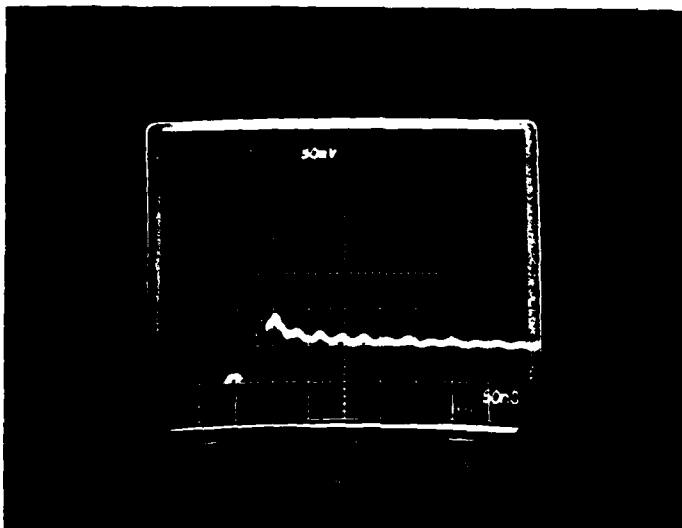
Date 6-6-85
 Test Point 34-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



Date 6-6-85
 Test Point 34R-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



Date	6-6-85
Test Point	34-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	

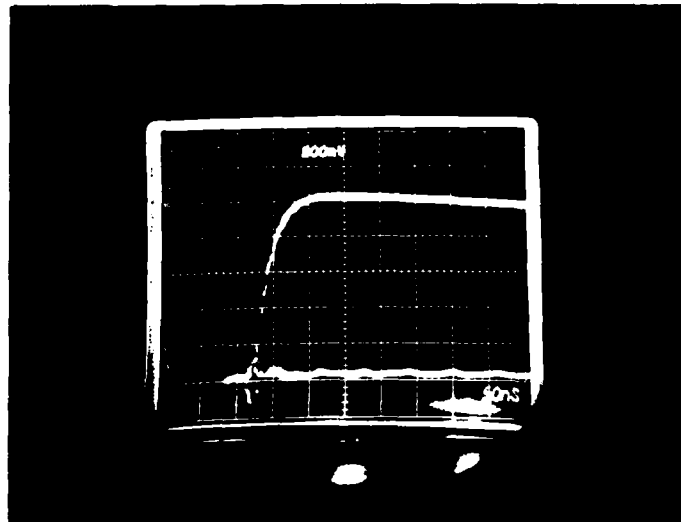


943

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date	6-6-85
Test Point	35-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	

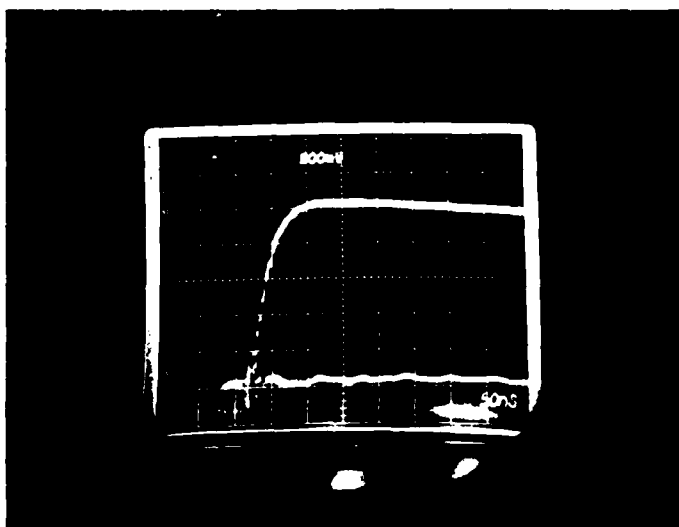
931



931

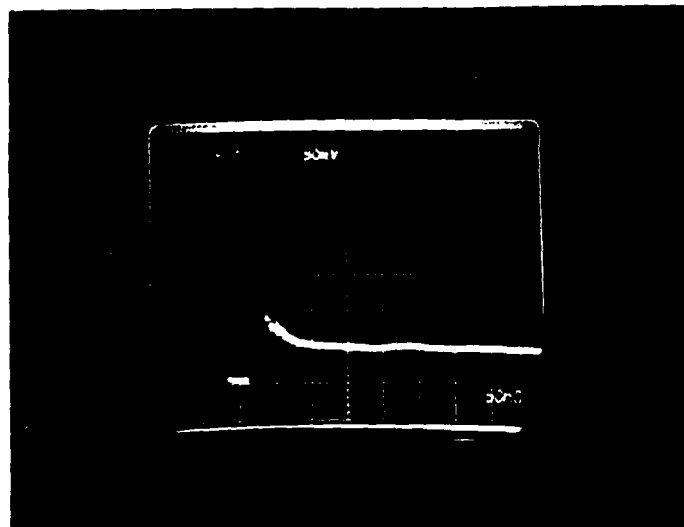
Date	6-6-85
Test Point	35R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulse Level	- 4500V
Data Link	
Comments:	

932



932

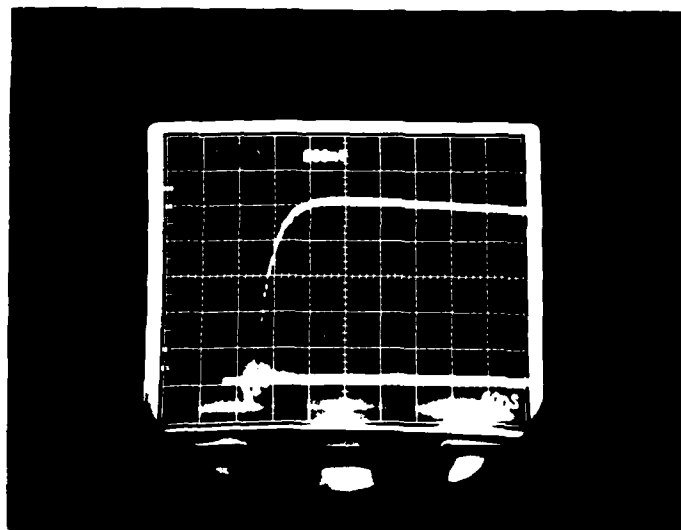
Date	6-6-85
Test Point	35-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	7-33



933

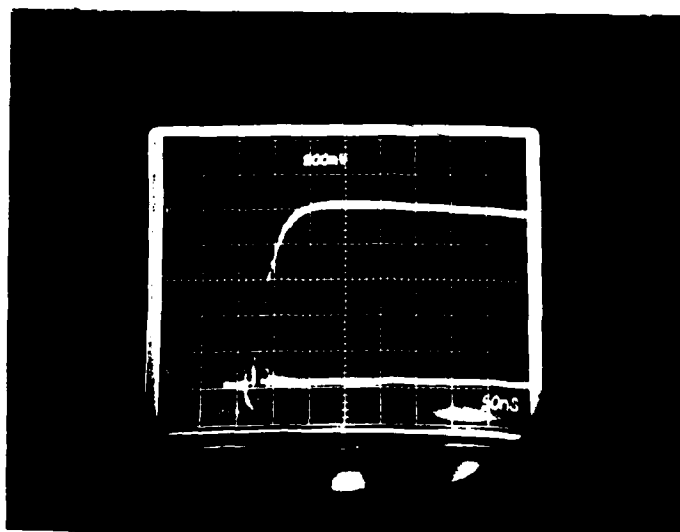
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 35-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



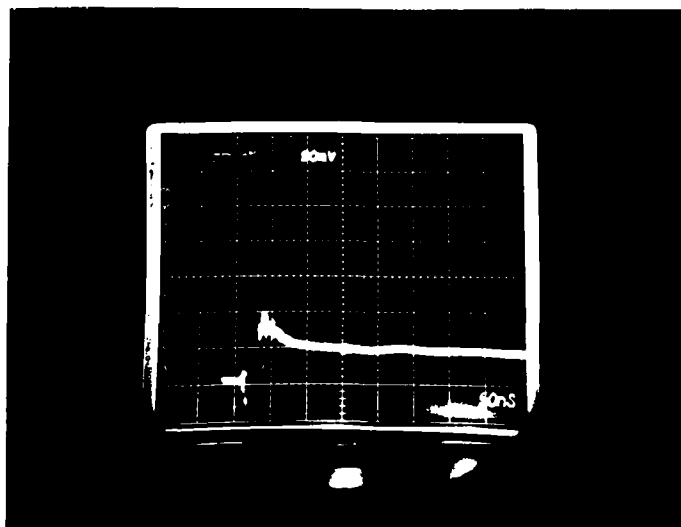
931

Date 6-6-85
 Test Point 35R-CH-1/10-B
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



932

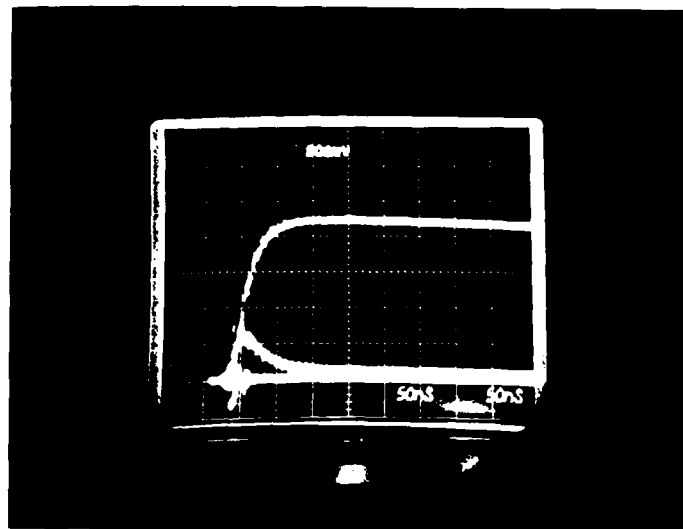
Date	6-6-85
Test Point	35-CH-Y10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



933

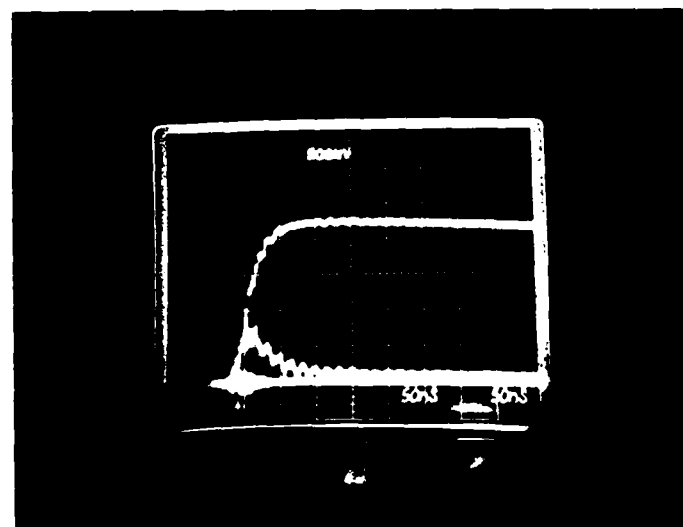
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-10-85
 Test Point 36-CH-110-Ø
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



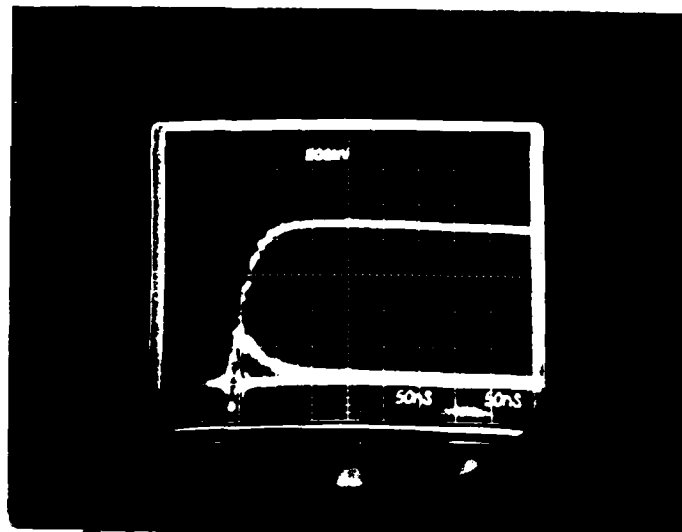
DATA @ .5V(1000V)

Date 6-10-85
 Test Point 36R-CH-110-Ø
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



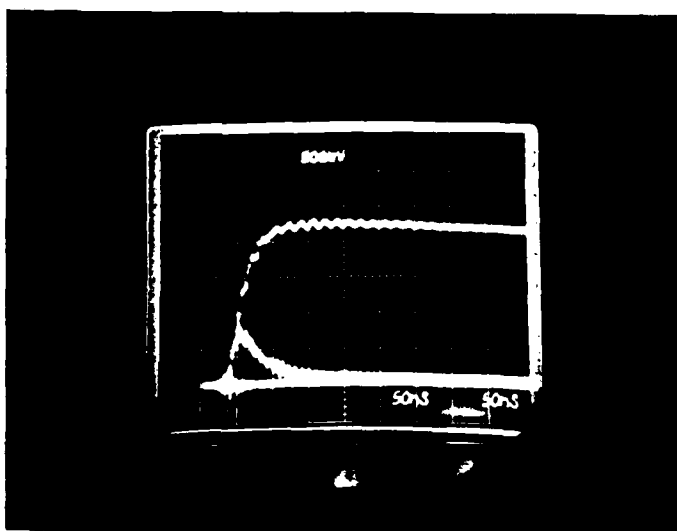
DATA @ .05V(100V)

Date	6-10-85
Test Point	37-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	1184



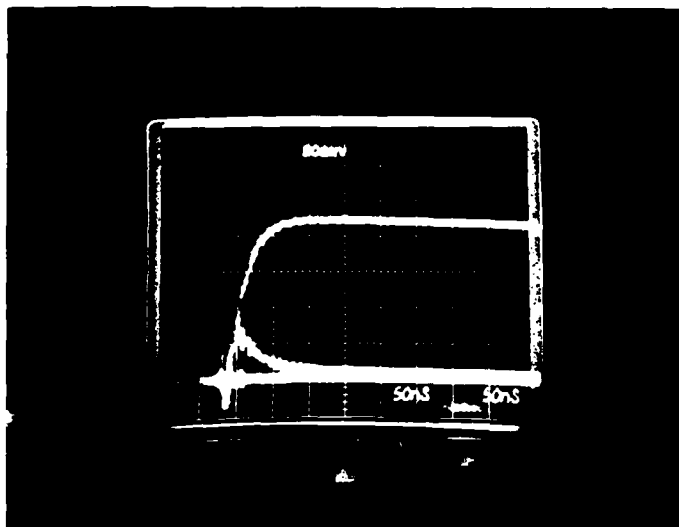
DATA @ .05V(100V)

Date	6-10-85
Test Point	37R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	1187



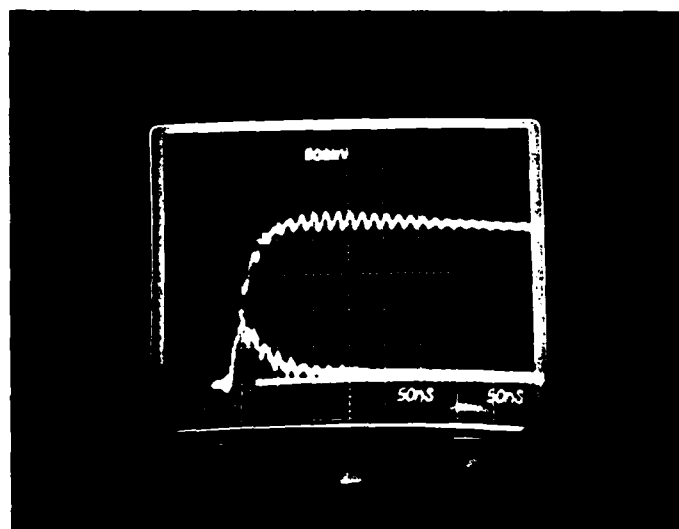
DATA @ .05V(100V)

Date	6-10-85
Test Point	38-CH-410- ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05(100V)

Date	6-10-85
Test Point	38R-CH-410- ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

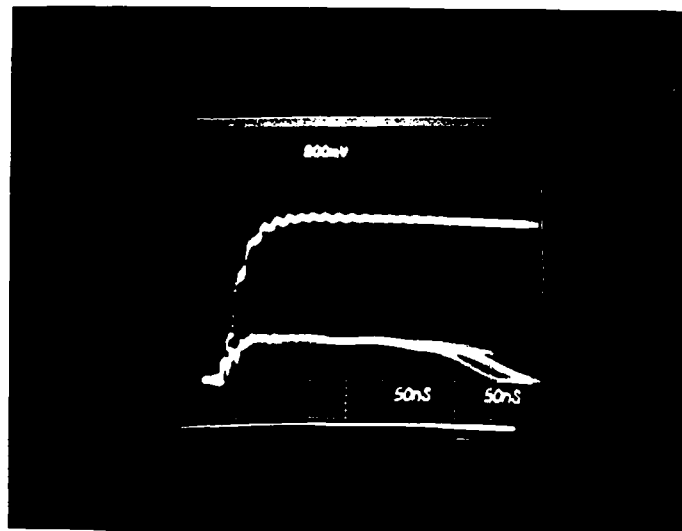


DATA @ .05V(100V)

Date	6-11-85		
Test Point	39-CH-1/10-Ø		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+ 4500V		
Data Link			

Comments: "HOT" LEADS 1207

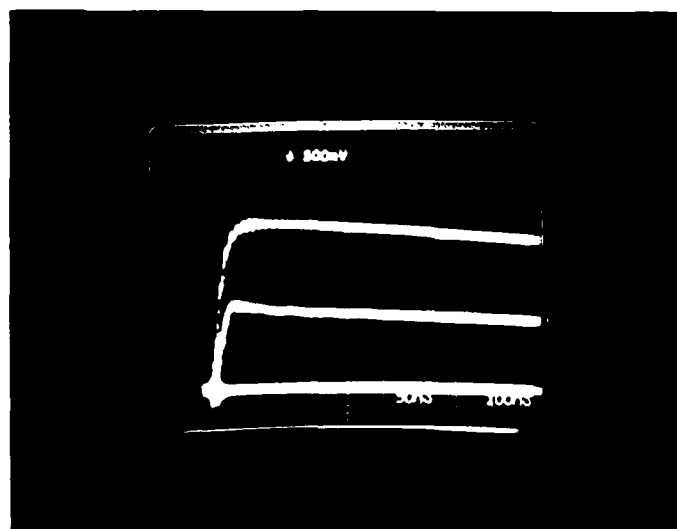
DATA @ .2V (400V)



Date	6-11-85		
Test Point	39R-CH-1/10-Ø		
Amplification	dB		
Attenuation	20	dB	
Horizontal	100	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	- 4500V		
Data Link			

Comments: "HOT" LEADS 1207

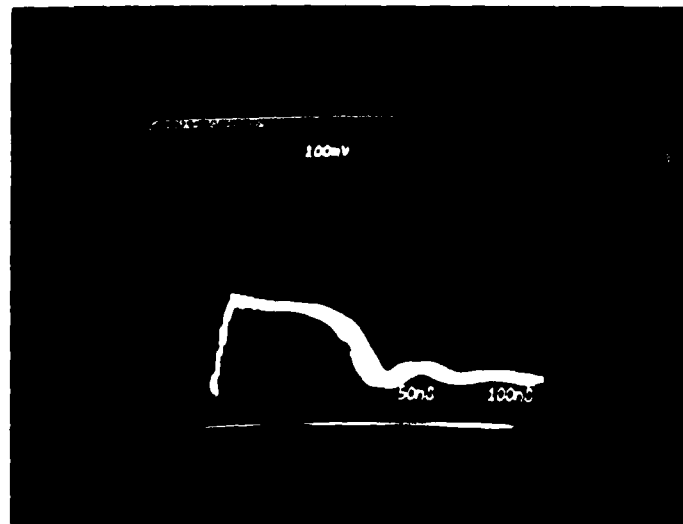
DATA @ .1V (200V)



Date	6-11-85
Test Point	39-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	100 ns/div 1
Vertical	1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

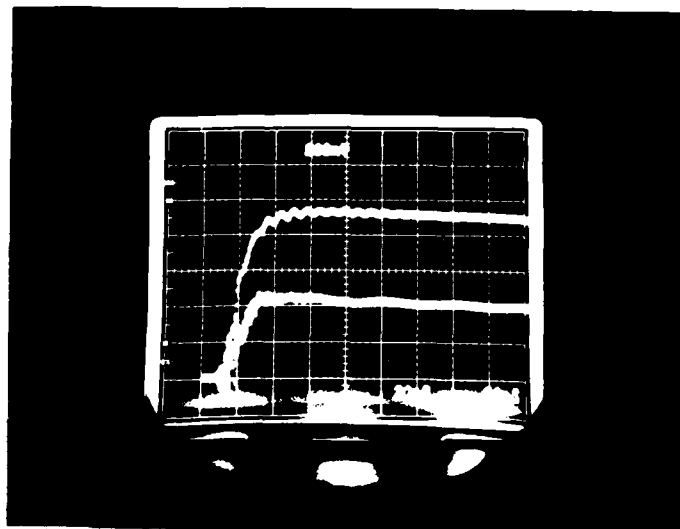
Comments:

"HOT" LEAD



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

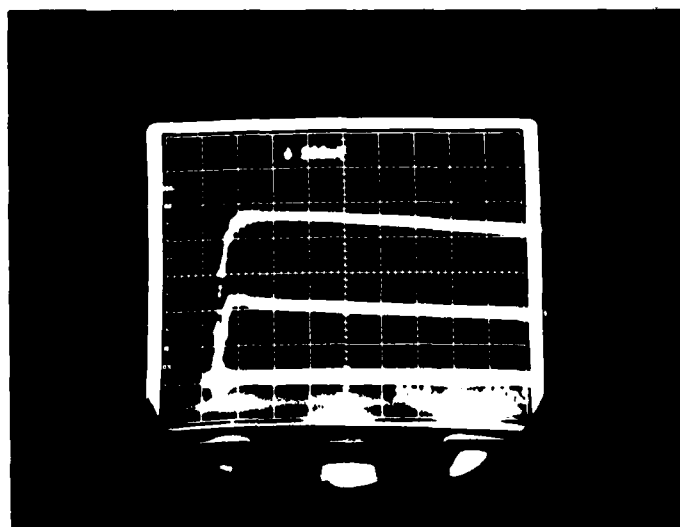
Date	6-11-85
Test Point	39-CH-1/10- ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	20 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	2.4



1224

DATA @ .1V (200V)

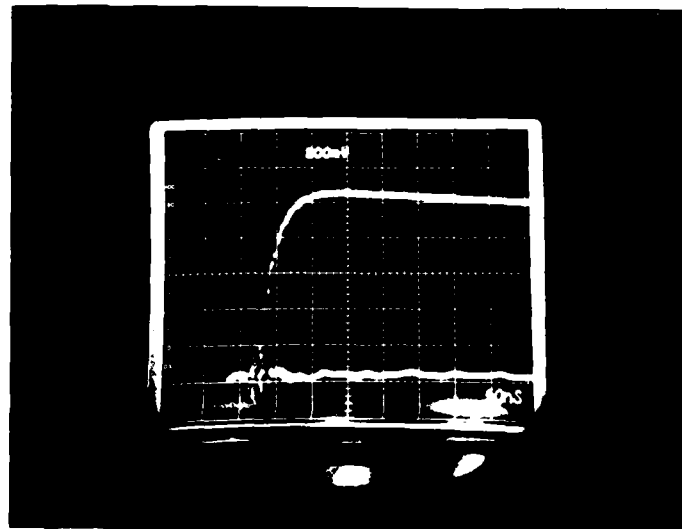
Date	6-11-85
Test Point	39R-CH-1/10- ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	100 ~~ns~~ ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1225

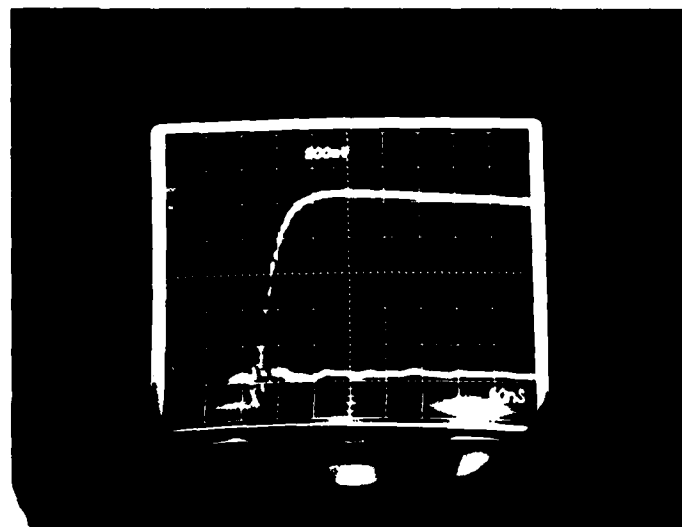
DATA @ .1V (200V)

Date 6-6-85
 Test Point 41-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (+1000V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



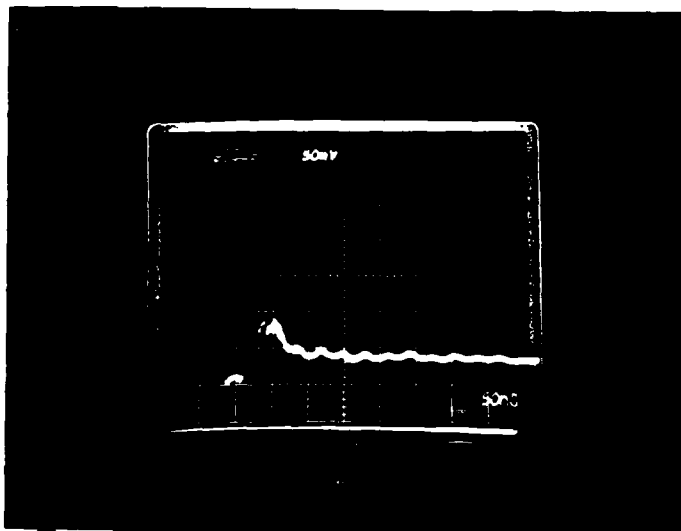
943

Date 6-6-85
 Test Point 41A-CH-1/10 A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (+1000V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



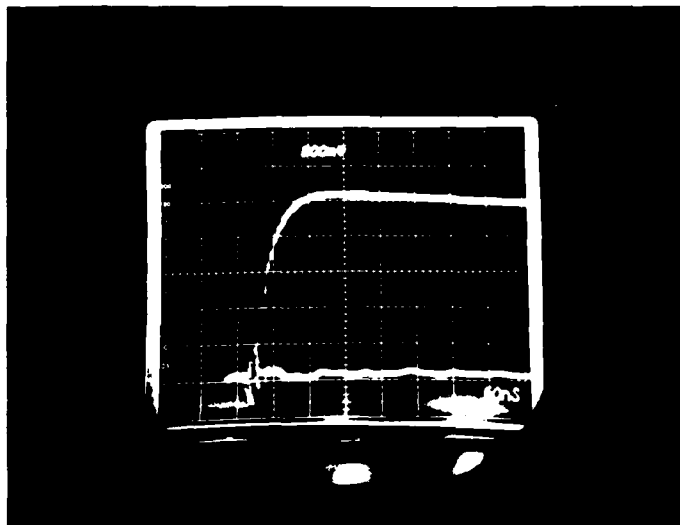
944

Date 6-6-85
 Test Point 41-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .05V (+00V) mV/div 1
 Horizontal 8 ns/div 2
 Vertical 86V mV/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:

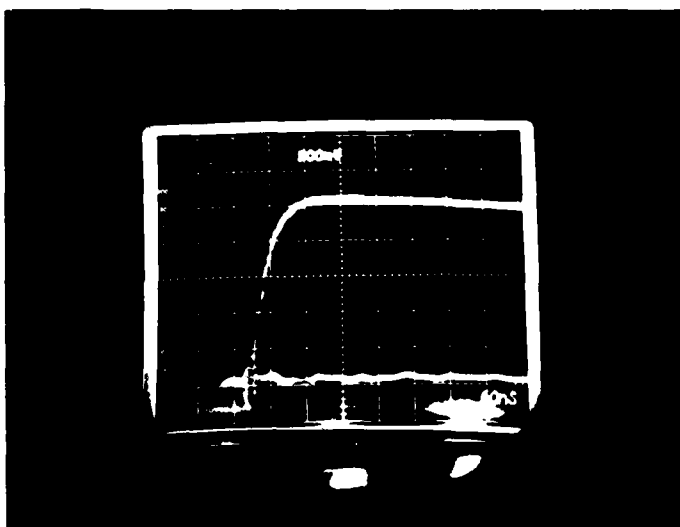


Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

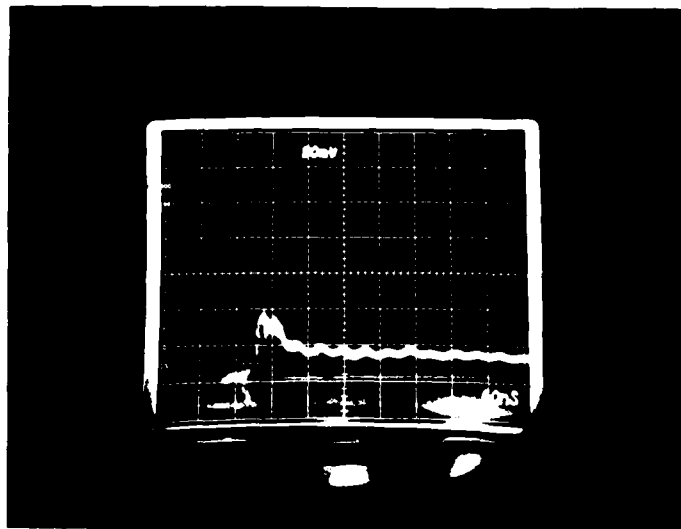
Date	6-6-85
Test Point	41-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V ~~ns~~ /div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	746



Date	6-6-85
Test Point	41R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V ~~ns~~ /div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	747



Date	6-6-85
Test Point	41-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (~~100V~~) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Date Link	
Comments:	742

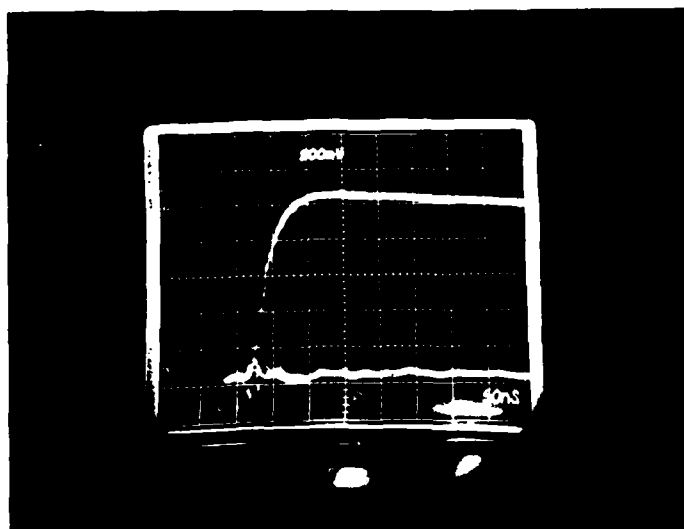


948

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date 6-6-85
 Test Point 41-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

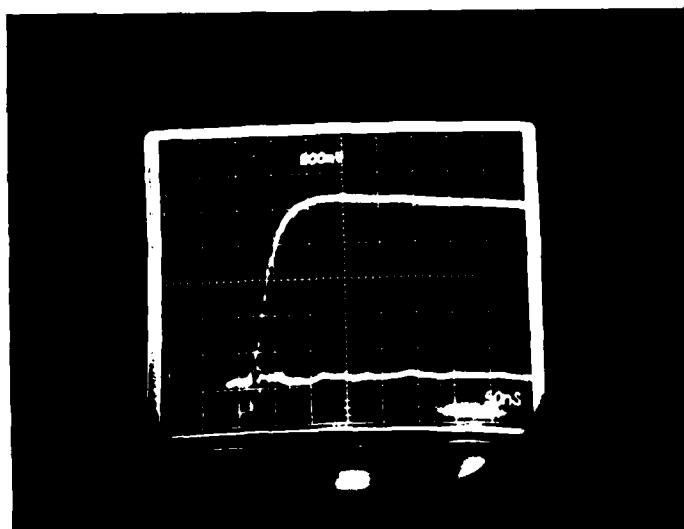
949



949

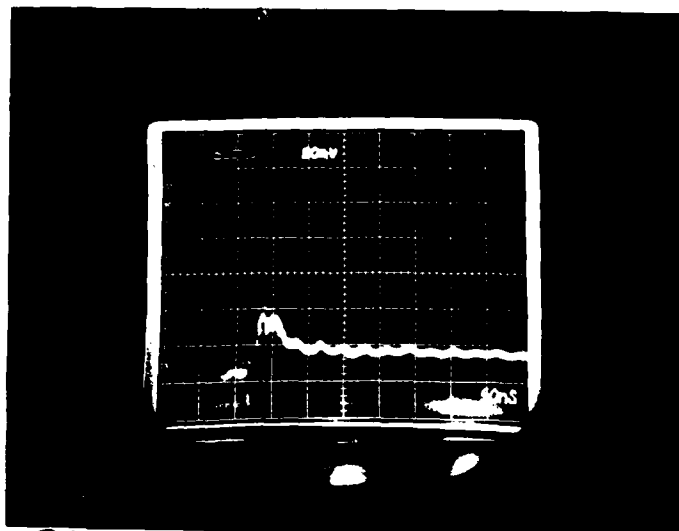
Date 6-6-85
 Test Point 41R-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical 860V mV/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

950



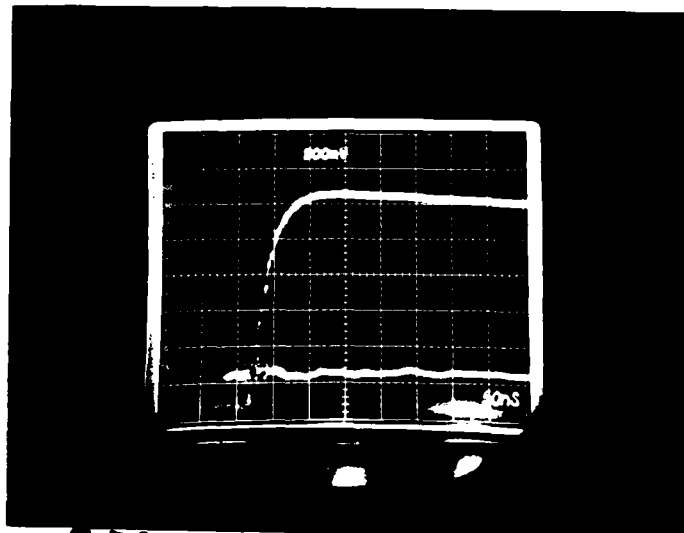
950

Date	6-6-85
Test Point	41-clt-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	951



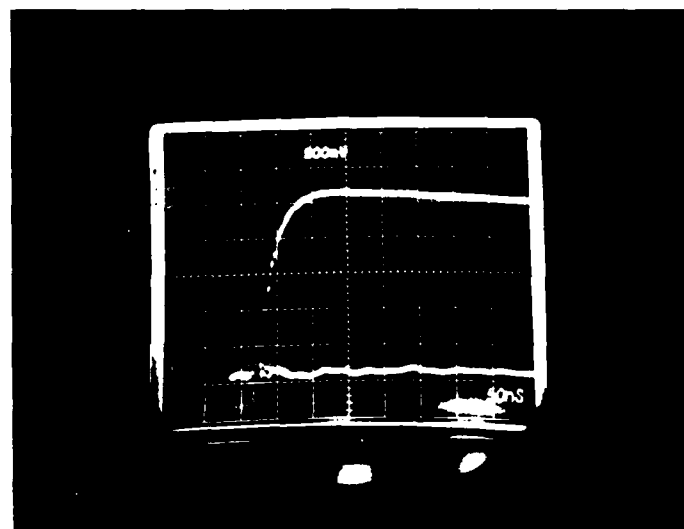
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	41-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	75



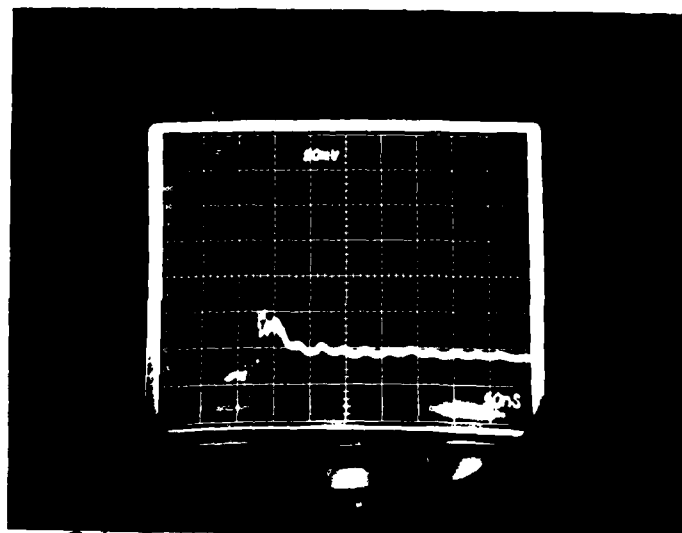
952

Date	6-6-85
Test Point	41R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



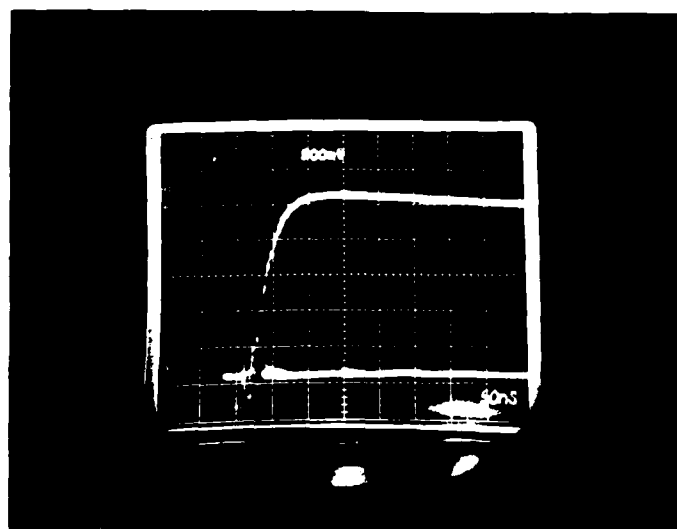
953

Date	6-6-85
Test Point	41-CH-410-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (400V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	75



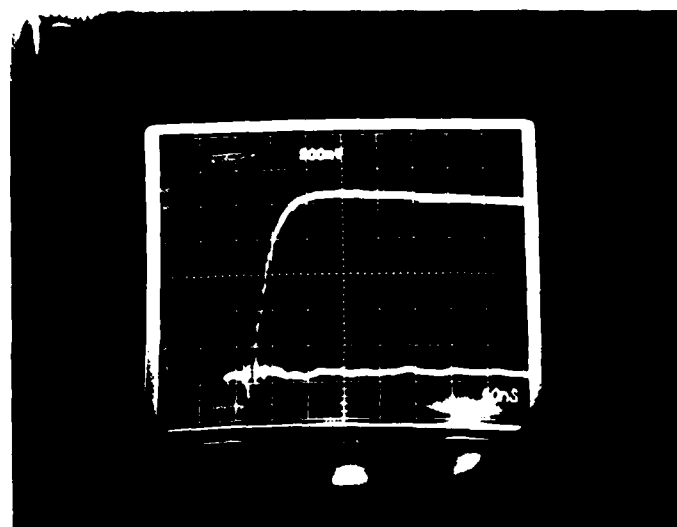
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	41-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	755



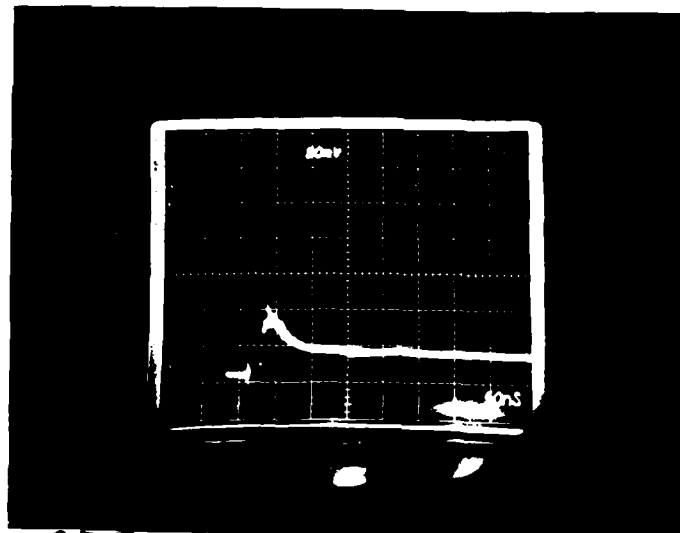
955

Date	6-6-85
Test Point	41R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	756



756

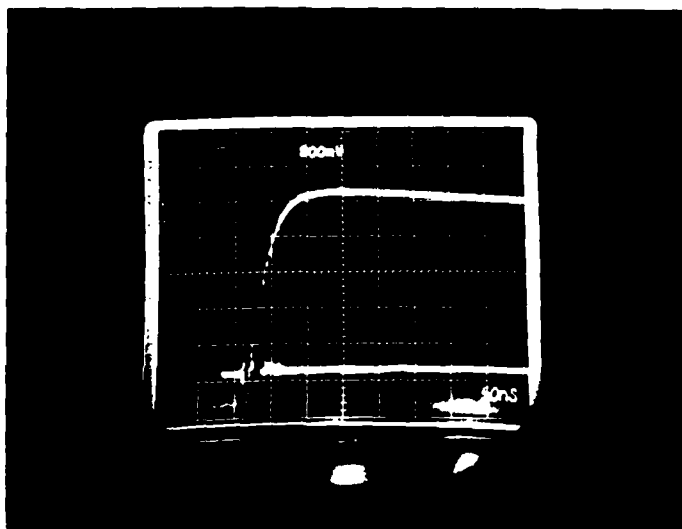
Date	6-6-85
Test Point	41-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	957



957

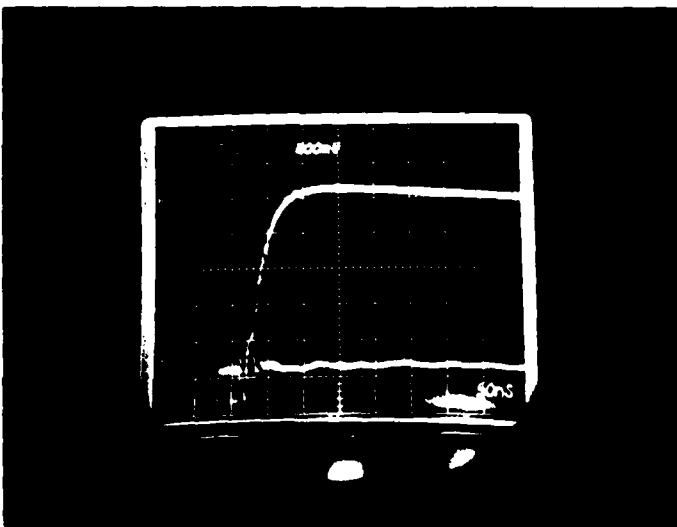
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 44-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ~~mV~~/div 2
 Configuration
 Pulsar Level + 4500 V
 Data Link
 Comments:



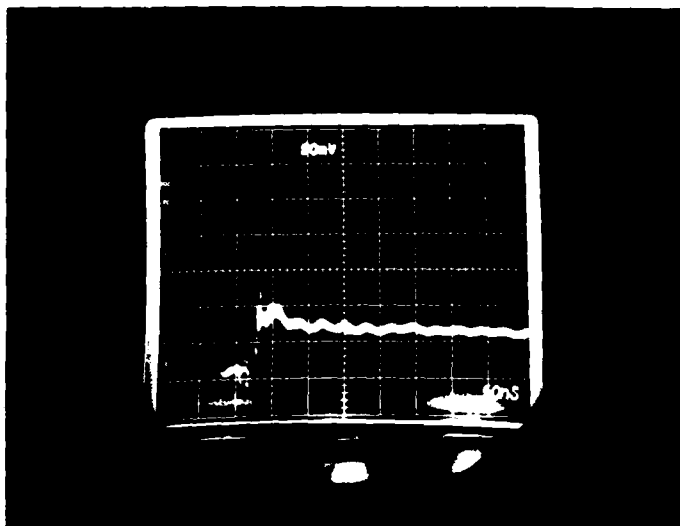
958

Date 6-6-85
 Test Point 44R-CH-1/10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ~~mV~~/div 2
 Configuration
 Pulsar Level - 4500 V
 Data Link
 Comments:



959

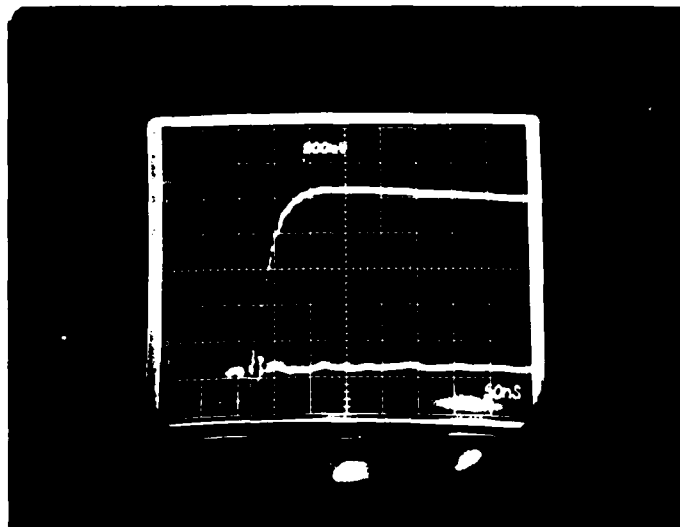
Date	6-6-85
Test Point	44-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V 100V/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	



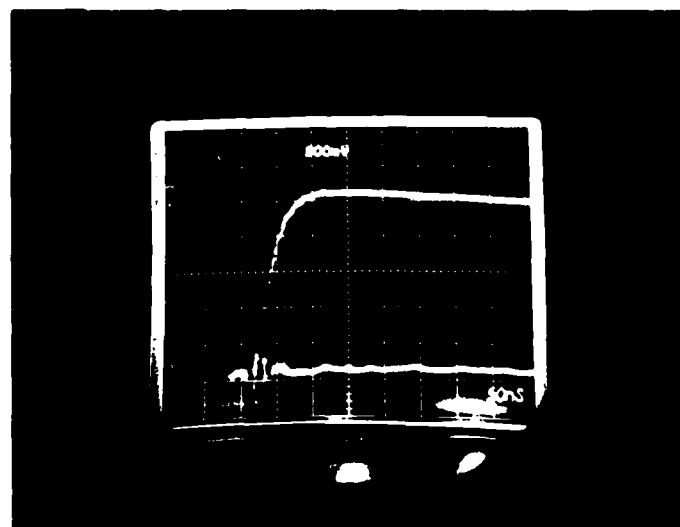
960

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

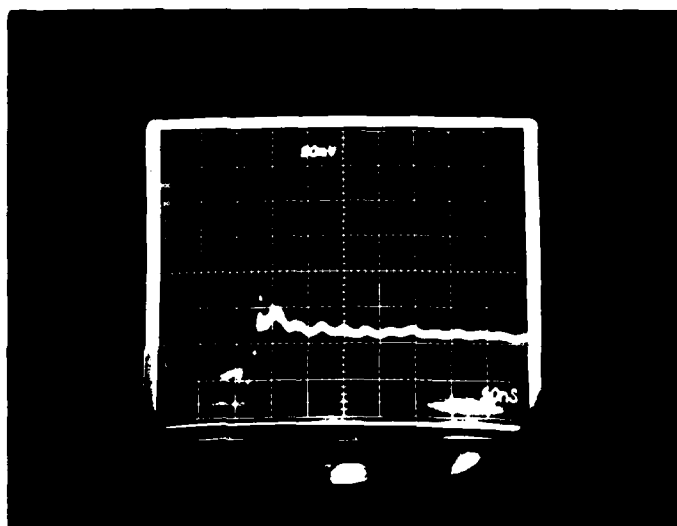
Date	6-6-85
Test Point	44-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	961



Date	6-6-85
Test Point	44R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



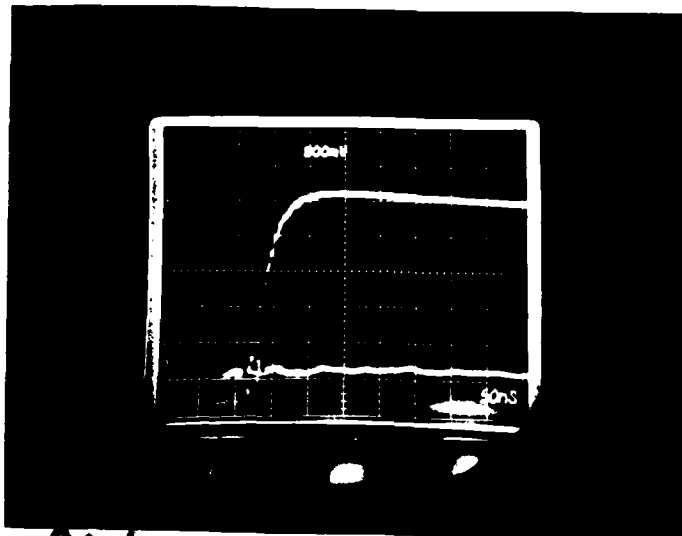
Date	6-6-85
Test Point	44-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(~~100V~~) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



963

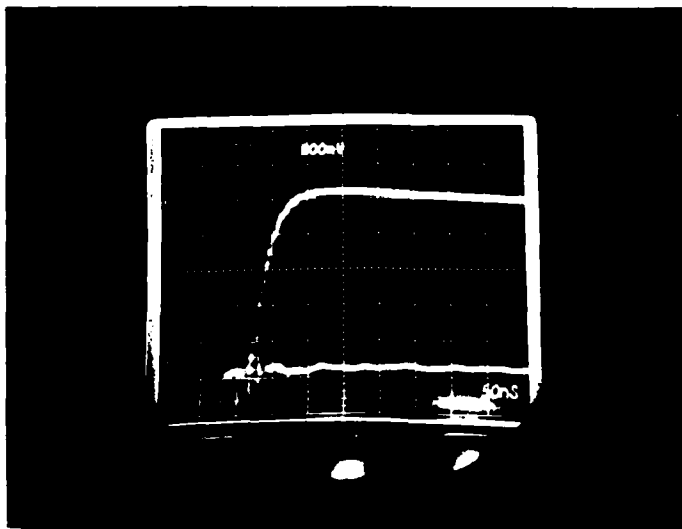
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 44-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ~~mV~~/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



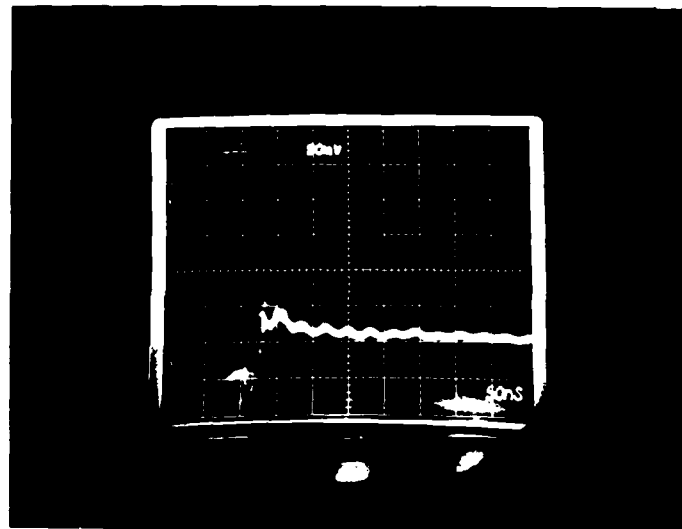
964

Date 6-6-85
 Test Point 44R-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ~~mV~~/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



965

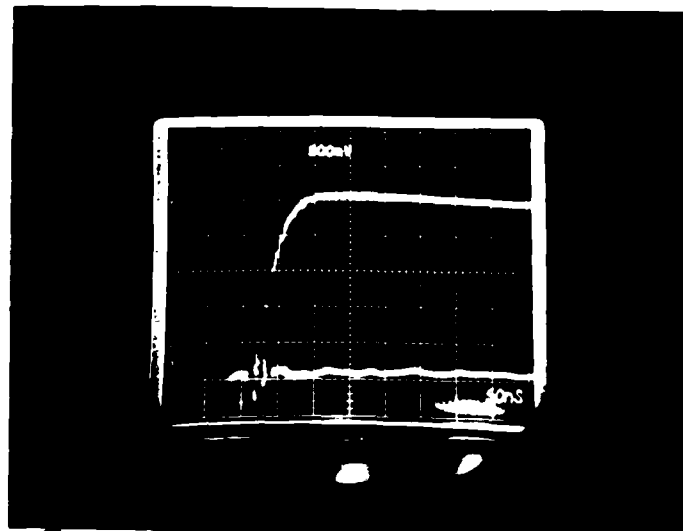
Date	6-6-85
Test Point	44-CH-100-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



966

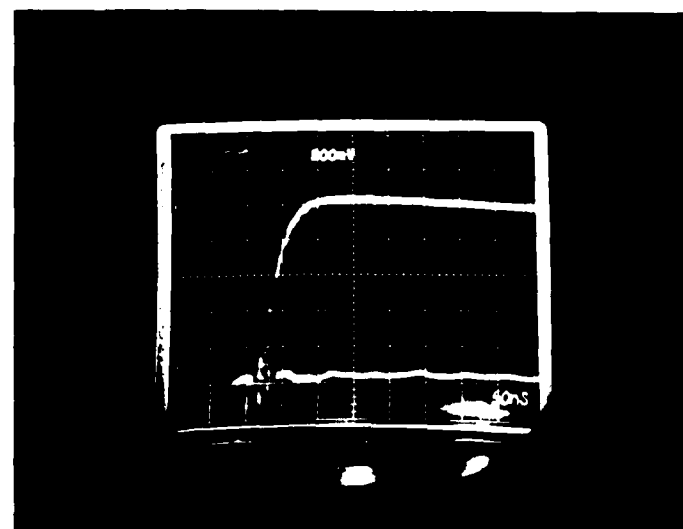
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 44-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ~~mV~~/div 2
 Configuration
 Pulsar Level + 4500 V
 Data Link
 Comments:



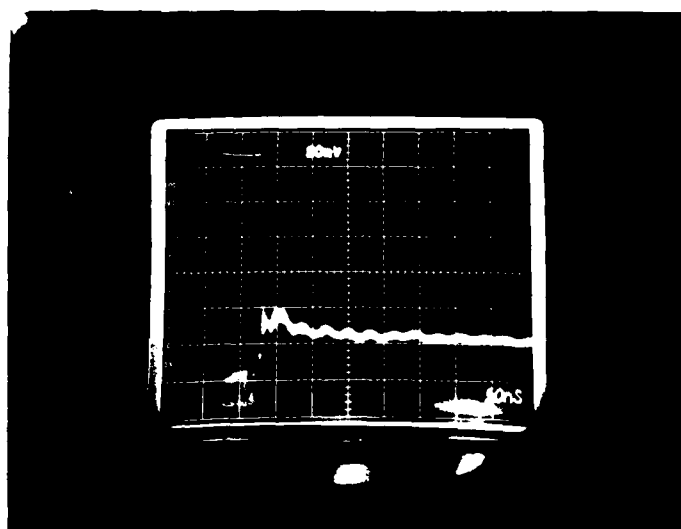
967

Date 6-6-85
 Test Point 44R-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (~~1000V~~) mV/div 1
 Horizontal ns/div 2
 Vertical 860V ~~mV~~/div 2
 Configuration
 Pulsar Level (~~+~~)4500V
 Data Link
 Comments:



968

Date	6-6-85
Test Point	44-CH-110-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

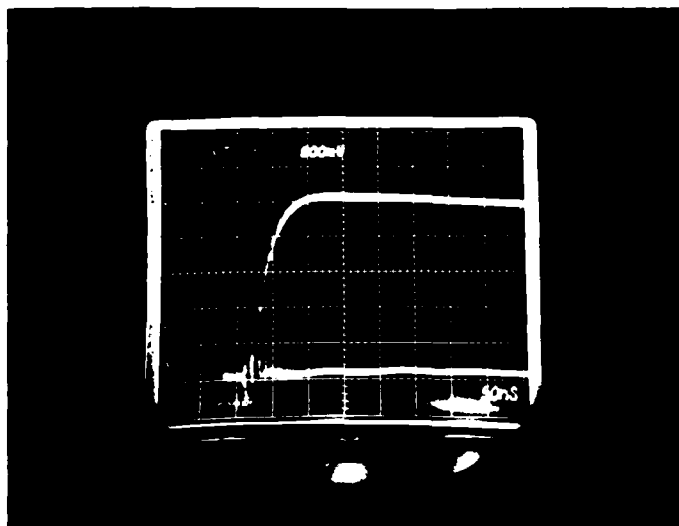


969

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-
Data Link	
Comments:	

Date	6-6-85
Test Point	44-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

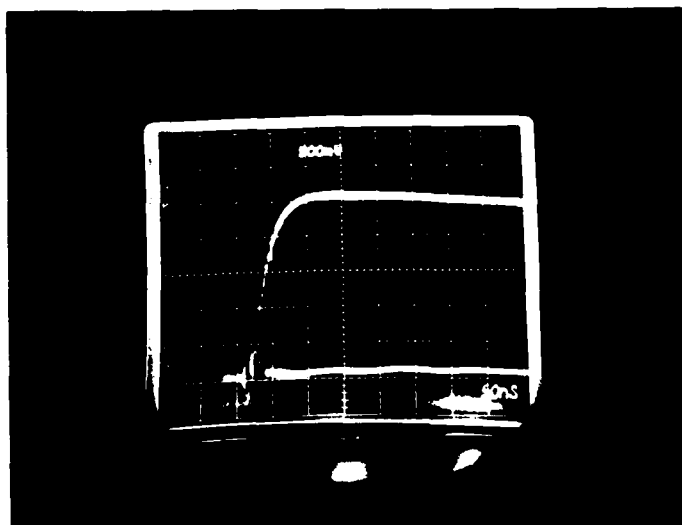
970



970

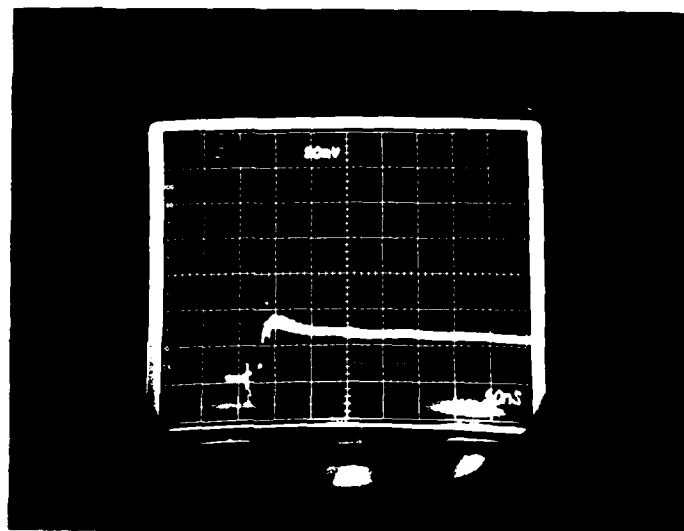
Date	6-6-85
Test Point	44R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (~~1000V~~) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

971



971

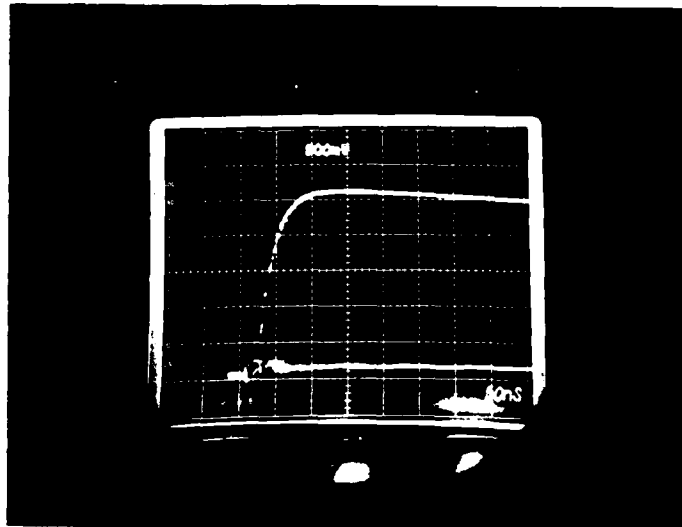
Date	6-6-85
Test Point	44-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



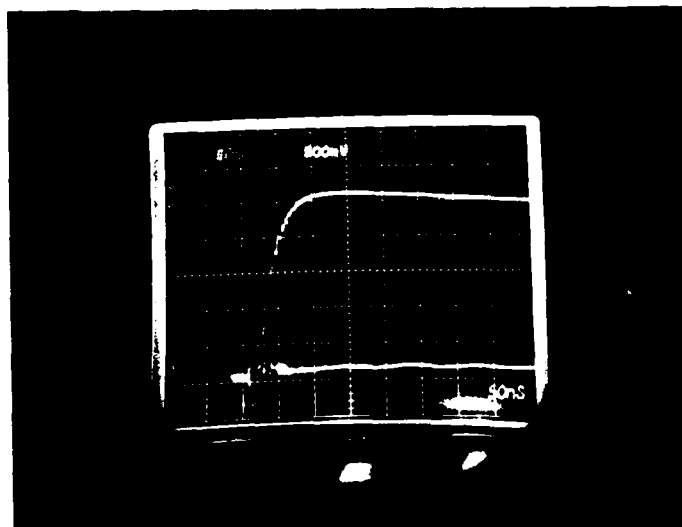
972

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

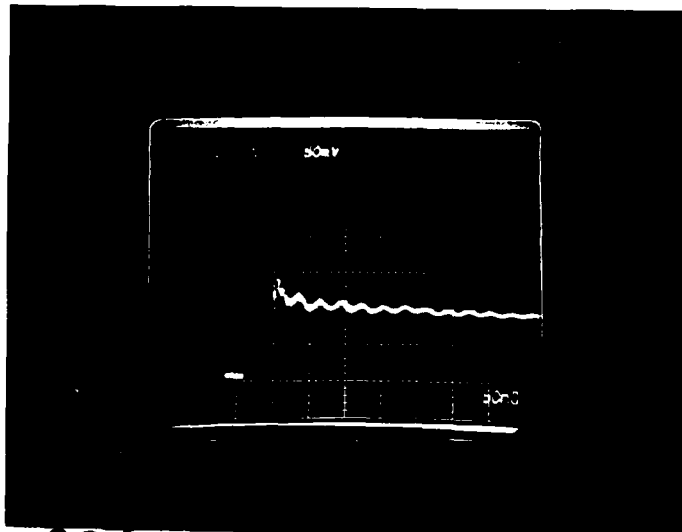
Date	6-7-85
Test Point	47-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V (860V) mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	732



Date	6-7-85
Test Point	47R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V (860V) mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



Date	G-7-85
Test Point	42-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	.05V (86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	724

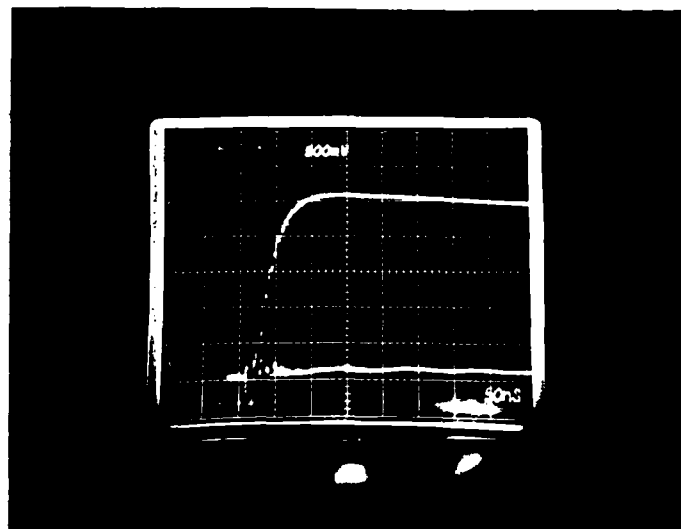


984

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

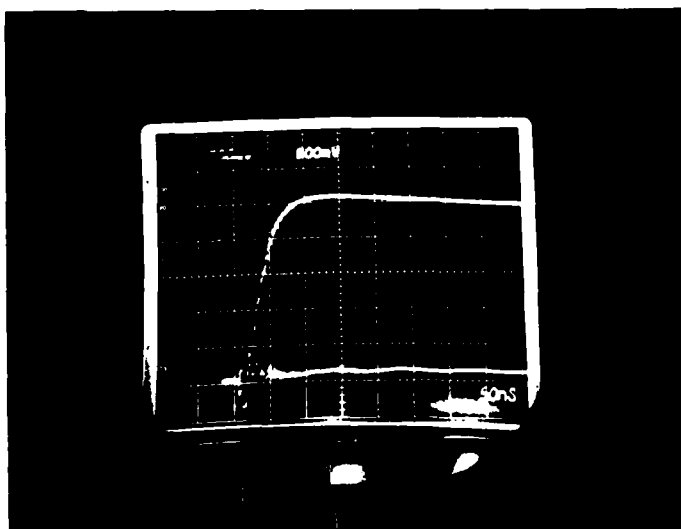
Date	6-7-85
Test Point	47-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	~~500 mV/div~~ mV/div 1
Horizontal	ns/div 2
Vertical	.5V (860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

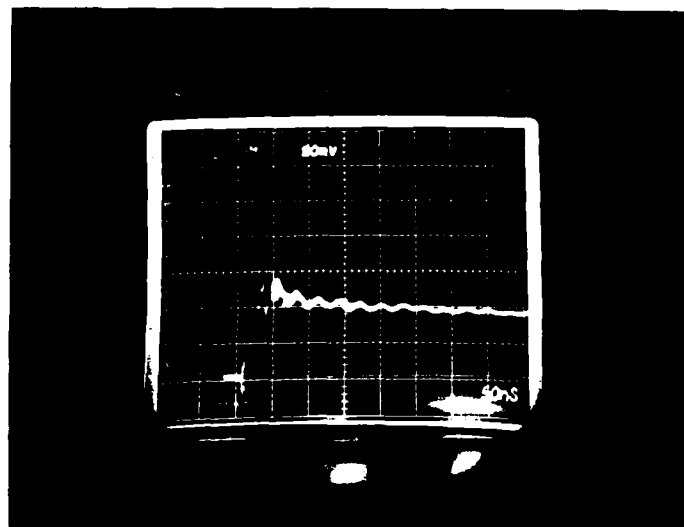


Date	6-7-85
Test Point	47R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	.5V (860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:



Date	6-7-85
Test Point	47-C14-100-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

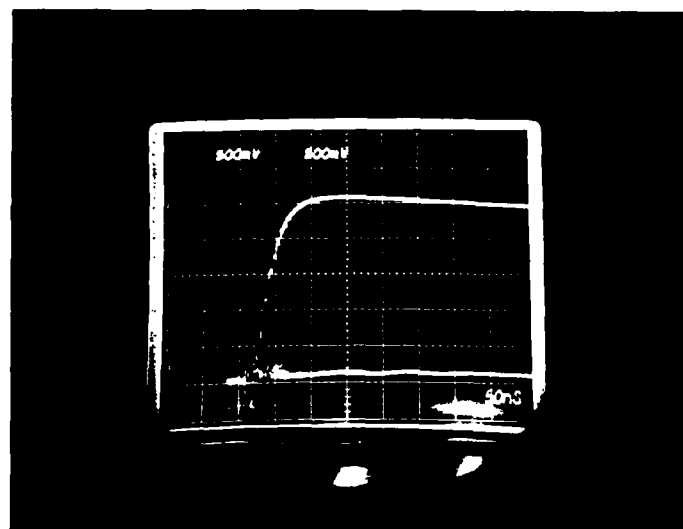


987

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-7-85
 Test Point 47-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal 50 ns/div 2
 Vertical .5V(860V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:

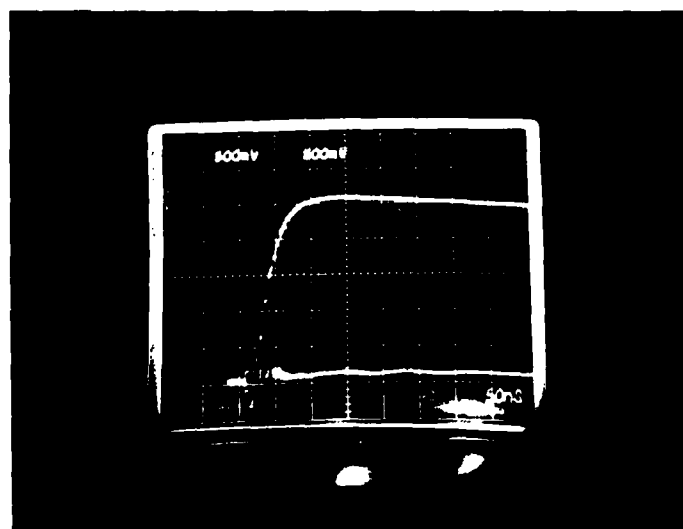
988



988

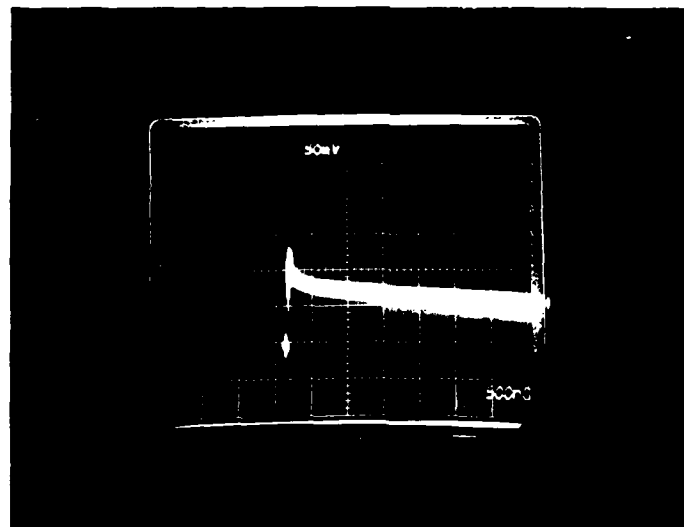
Date 6-7-85
 Test Point 47R-CH-1/10-C
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal 50 ns/div 2
 Vertical .5V(860V) ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:

989



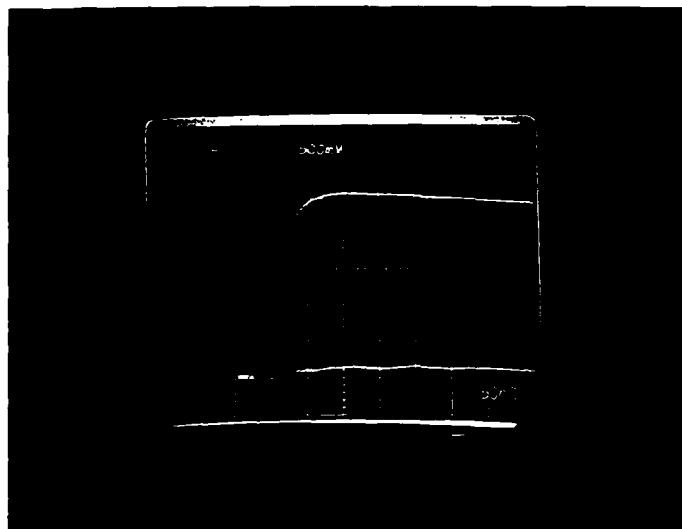
989

Date	6-7-85
Test Point	47-CH-1/10-c
Amplification	0 dB
Attenuation	20 dB
Horizontal	.5 μ SEC ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	790



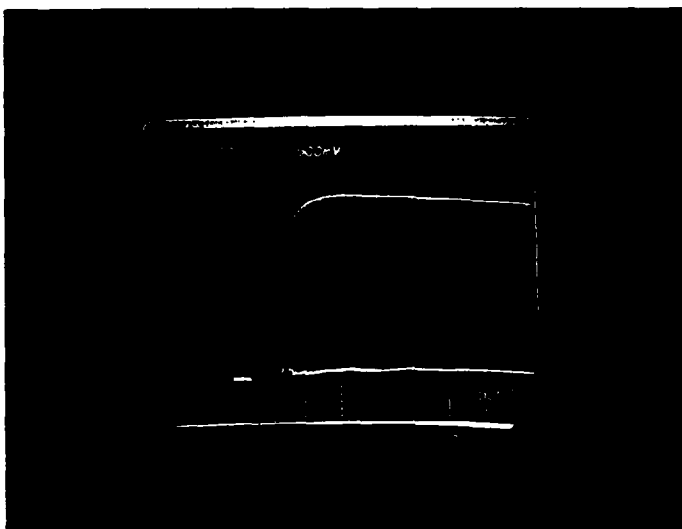
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-7-85
 Test Point 47-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal 50 ns/div 2
 Vertical .5V(860V) ns/div 2
 Configuration
 Pulser Level + 4500 V
 Data Link
 Comments:



991

Date 6-7-85
 Test Point 47R-CH-1/10-D
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal 50 ns/div 2
 Vertical .5V(860V) ns/div 2
 Configuration
 Pulser Level - 4500 V
 Data Link
 Comments:

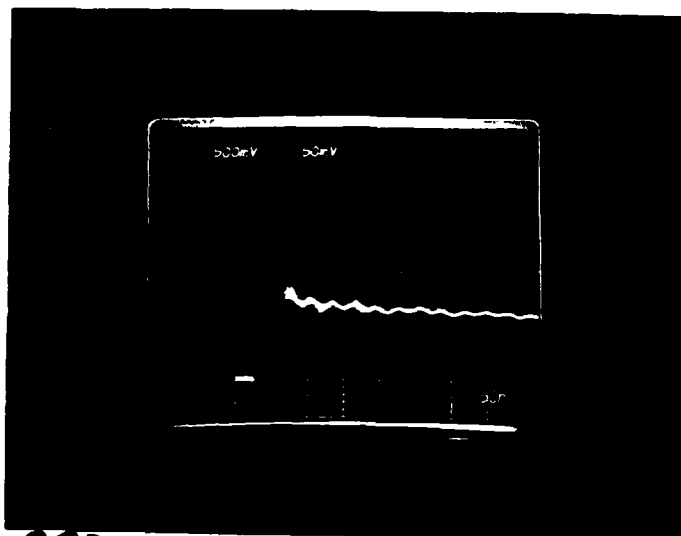


992

Date	6-7-85
Test Point	47-CH-1/10- D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(86V) mV/div 2
Configuration	
Pulser Level	4500 V
Data Link	

Comments:

773

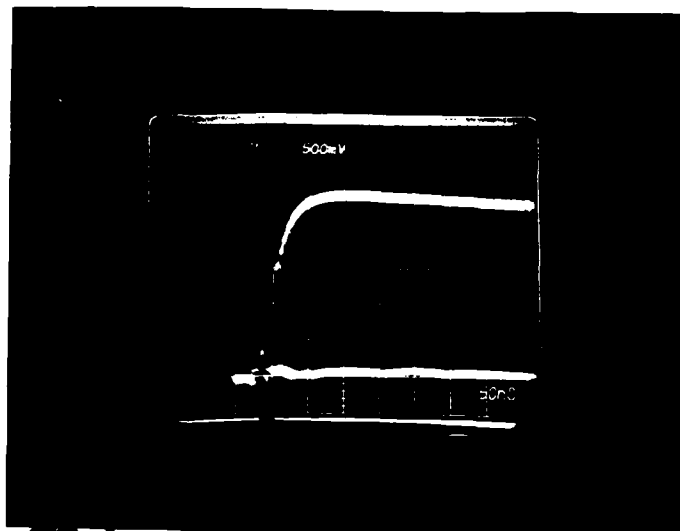


773

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	

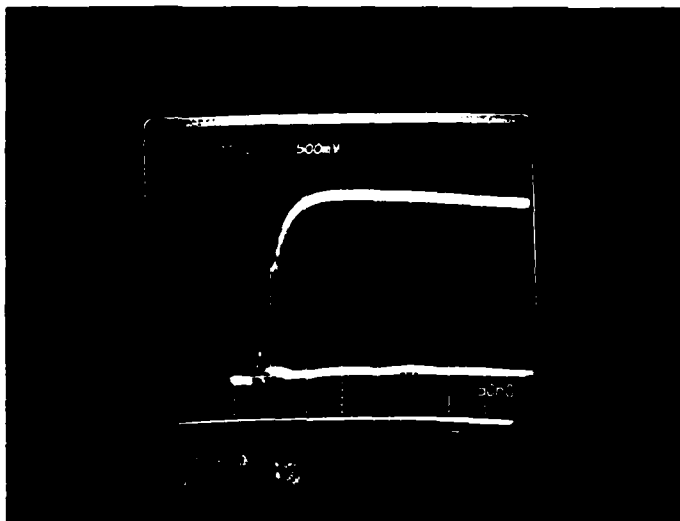
Comments:

Date 6-7-85
 Test Point 47-CH-1/10-E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



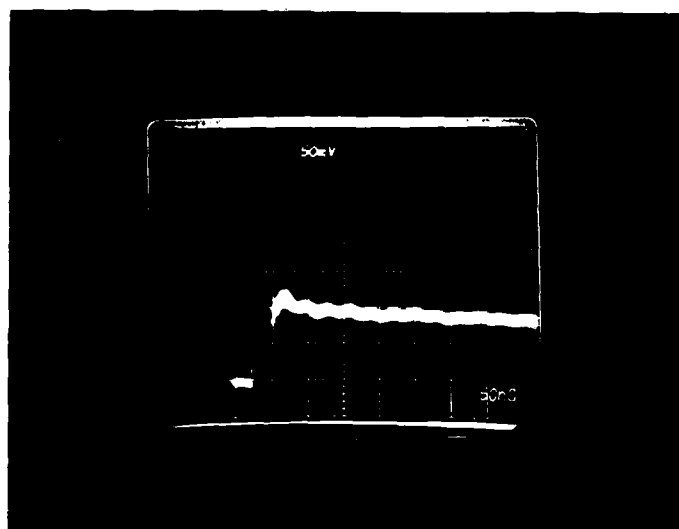
994

Date 6-7-85
 Test Point 47R-CH-1/10-E
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



995

Date	6-7-85
Test Point	47-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	77:

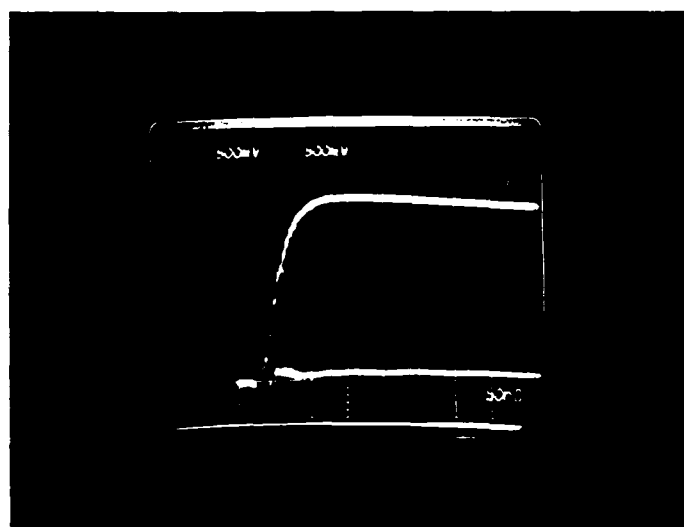


996

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

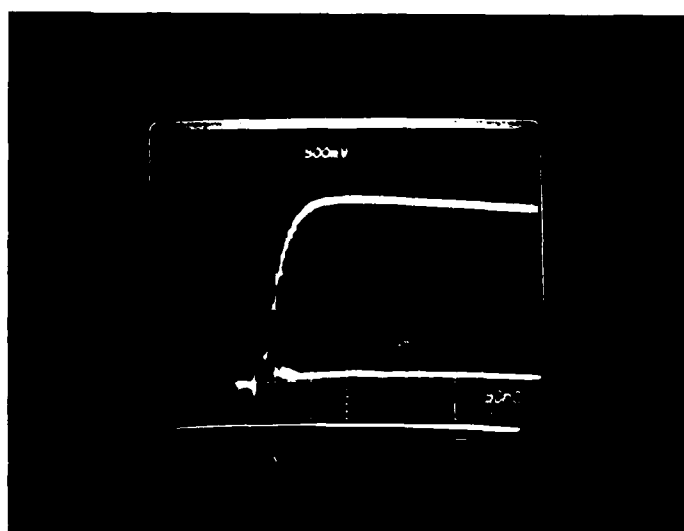
Comments: 997



997

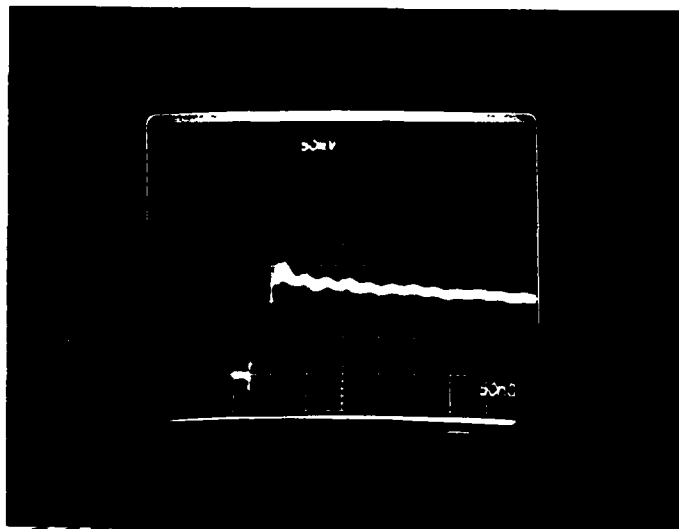
Date	6-7-85
Test Point	50R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	

Comments: 998



998

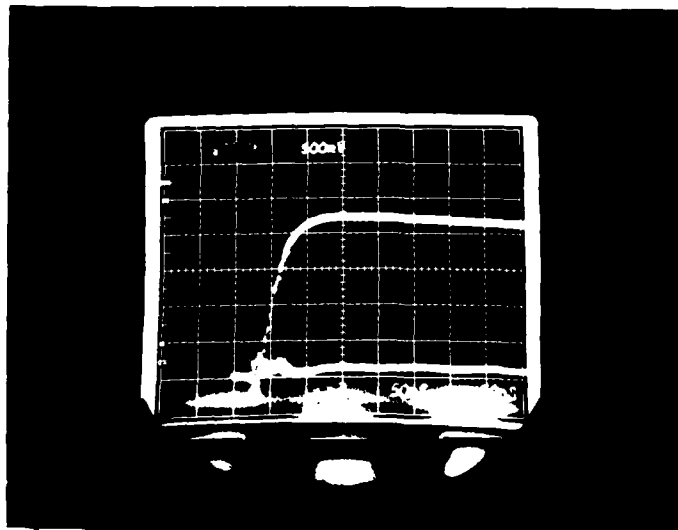
Date	6-7-85
Test Point	50-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	.05V(100V) ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	977



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	30 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

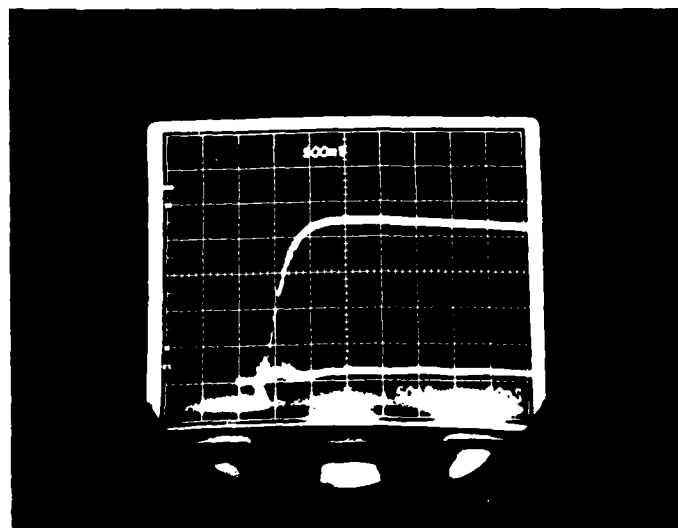
10



1000

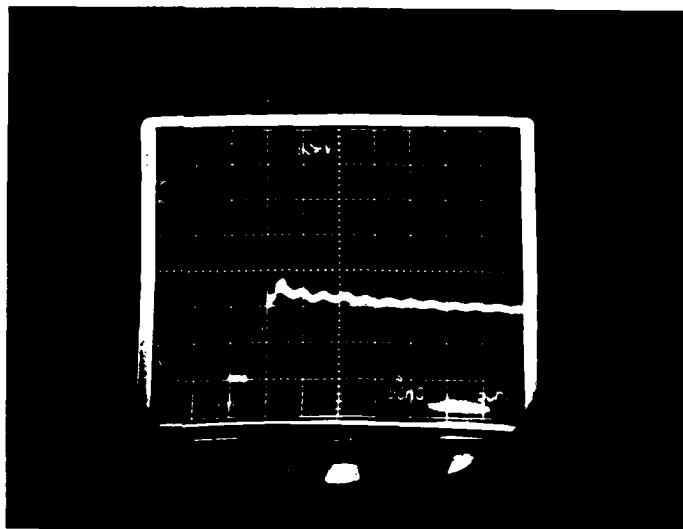
Date	6-7-85
Test Point	50R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

10



1001

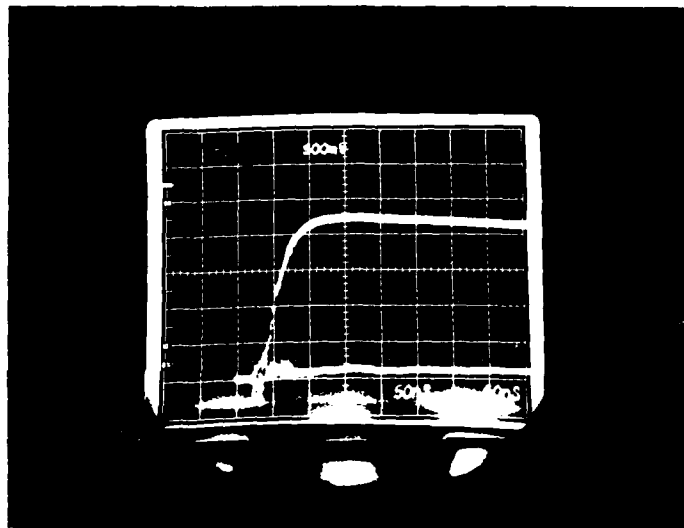
Date	6-7-85
Test Point	5D-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	0.5V (100V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



1002

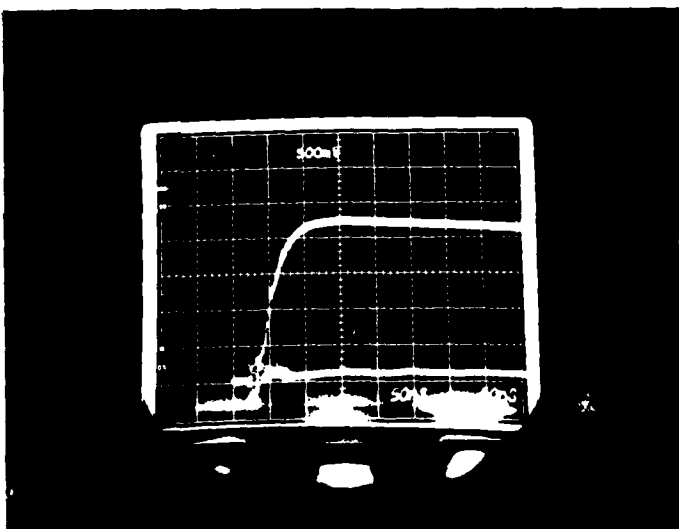
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50 - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1003



1003

Date	6-7-85
Test Point	50R - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1004



1004

AD-A164 433

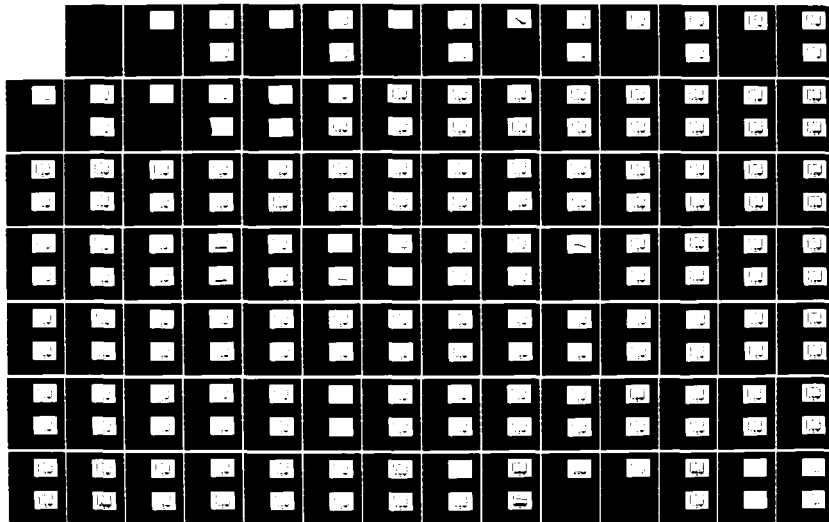
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF
PROTECTION DEVICES FOR. (U) ELECTROSPACE SYSTEMS INC.
ARLINGTON VA D BODSON ET AL. 31 OCT 85

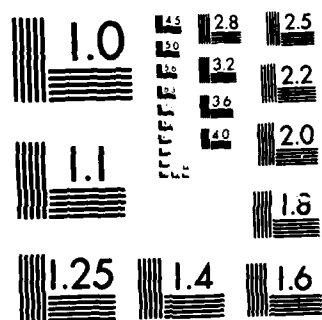
3/3

UNCLASSIFIED

NCS-TIB-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

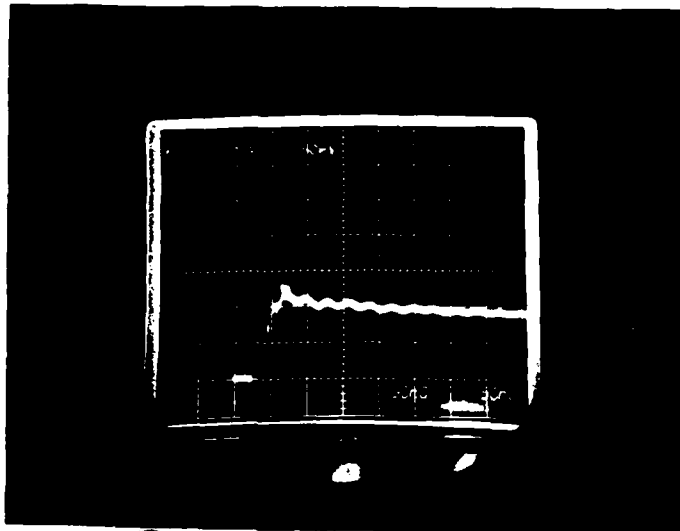
NL





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

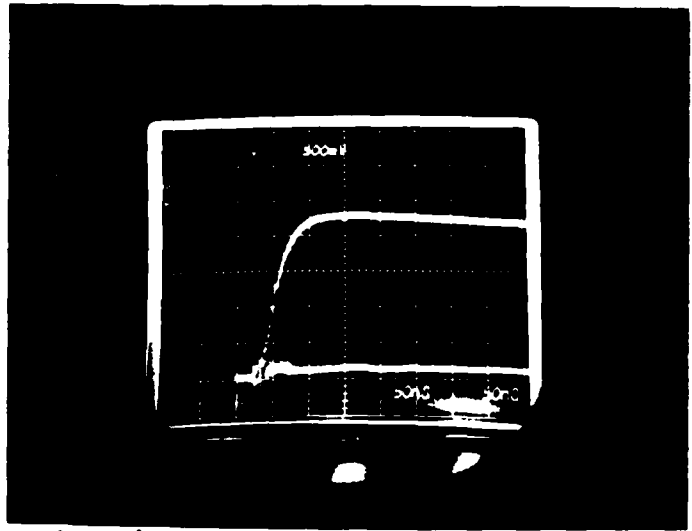
Date	6-7-85
Test Point	50-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(100V)ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	



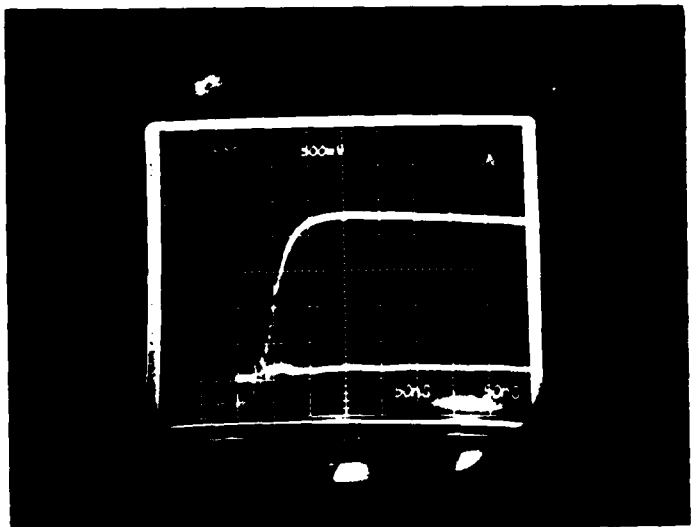
1005

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

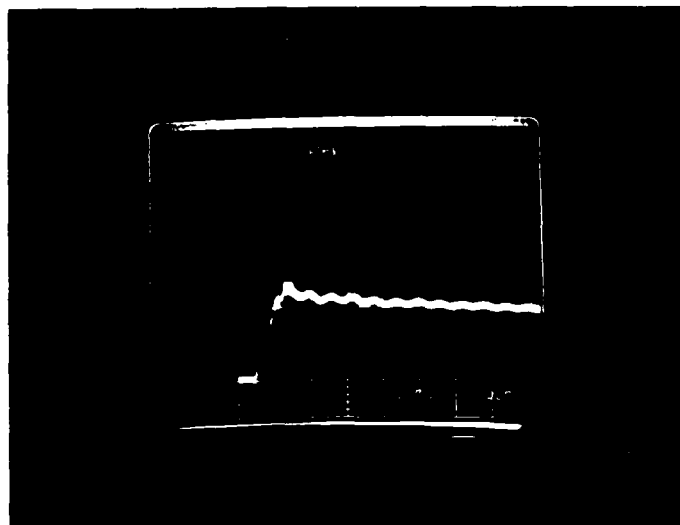
Date	6-7-85
Test Point	50-CH-400-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1006



Date	6-7-85
Test Point	50R-CH-100-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1007



Date	6-7-85
Test Point	50-CH-1/ro-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(100V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

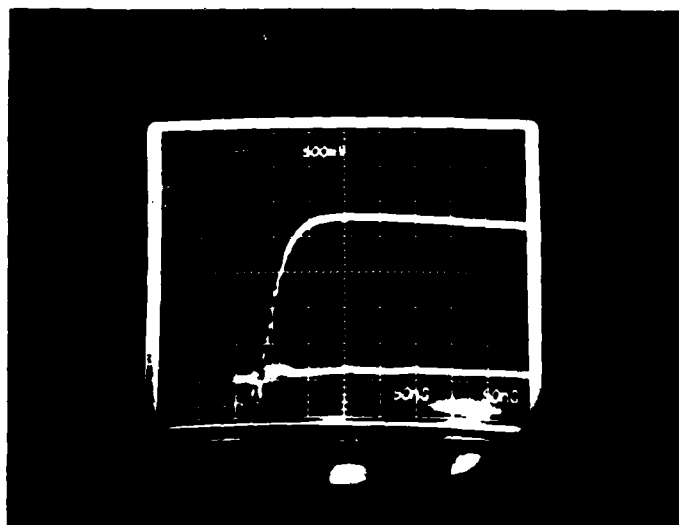


1008

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V (1000V) ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	

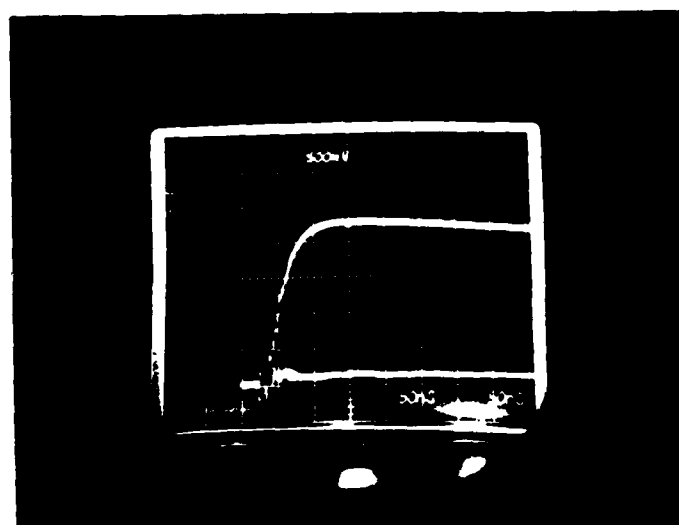
Comments:



1009

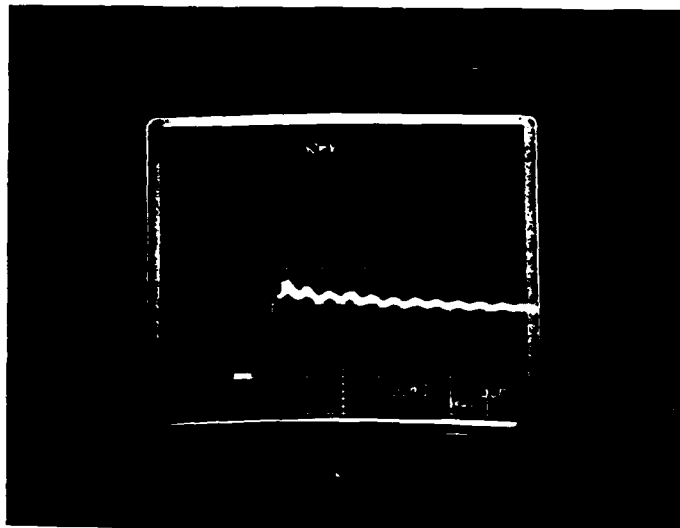
Date	6-7-85
Test Point	50R-CH-4/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V (1000V) ns/div 2
Configuration	
Pulse Level	- 4500V
Data Link	

Comments:



1010

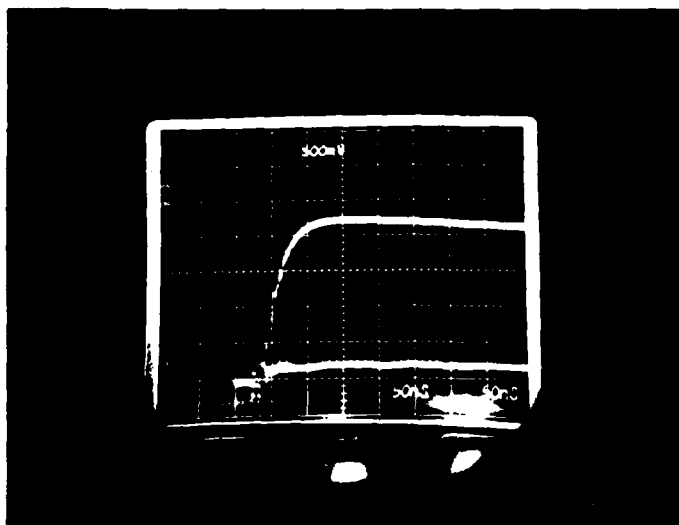
Date	6-7-85
Test Point	50-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V (100V) ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	1011



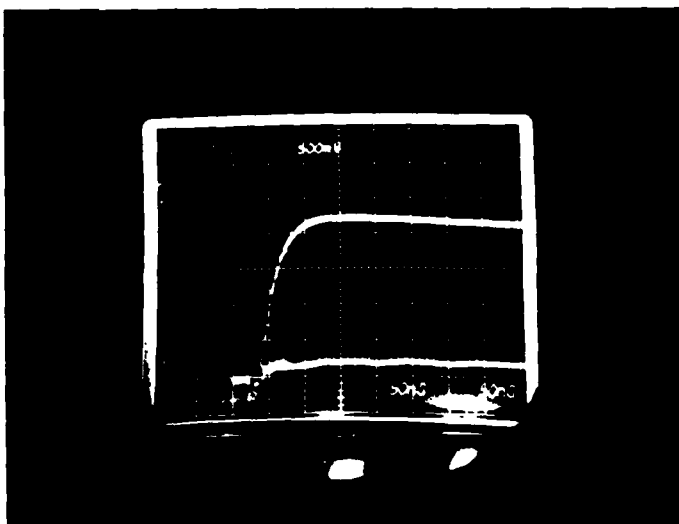
1011

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Date Link	
Comments:	

Date 6-7-85
 Test Point 53-CH-410-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

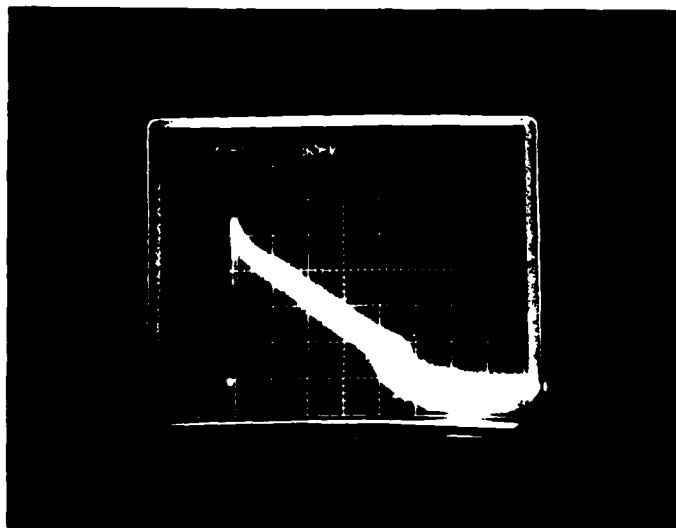


Date 6-7-85
 Test Point 53R-CH-410-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



Date 6-7-85
 Test Point 53-CH-1/10-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 2 μ SEC sec/div 1
 Vertical .05V(100V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level + 4500 V
 Data Link

Comments:



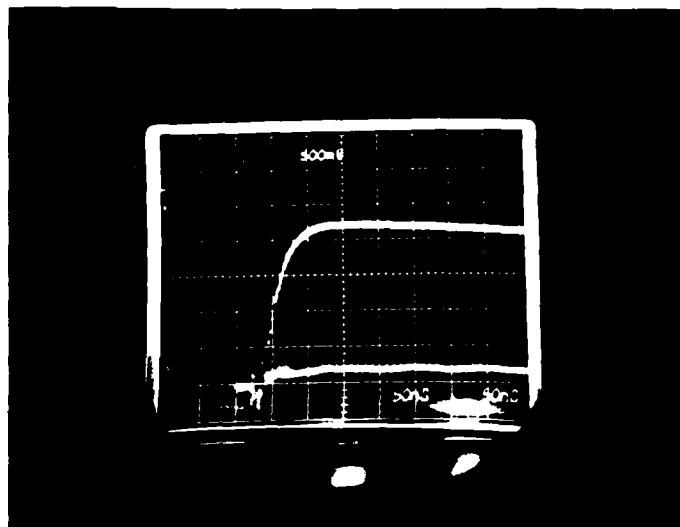
1014

Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

Date 6-7-85
 Test Point 53-CH-1/10-B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level 4500V
 Data Link

Comments:

1018

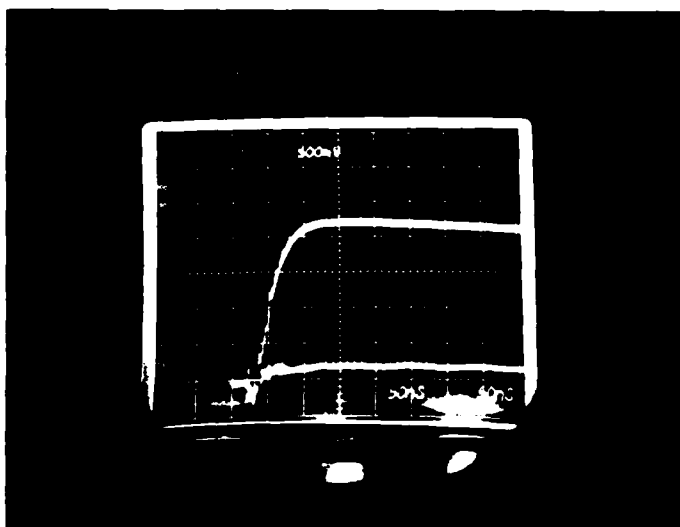


1018

Date 6-7-85
 Test Point 53R-CH-1/10-B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link

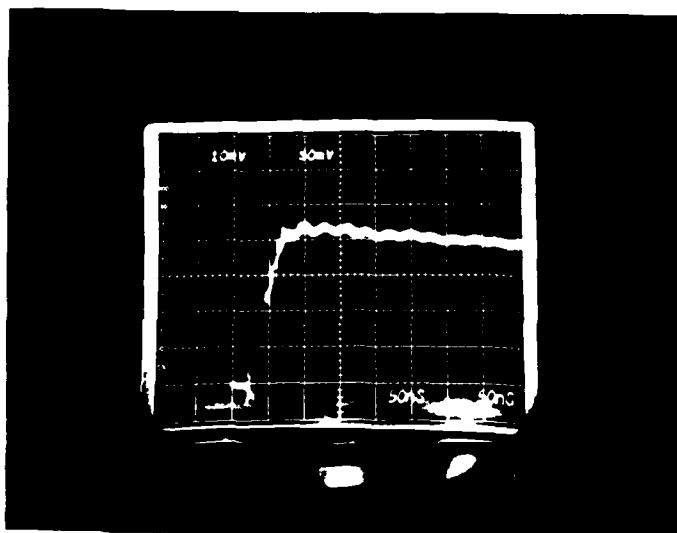
Comments:

1019



1019

Date 6-7-85
 Test Point 53-CH-Y10-B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .05V(100V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level 4500V
 Data Link
 Comments:



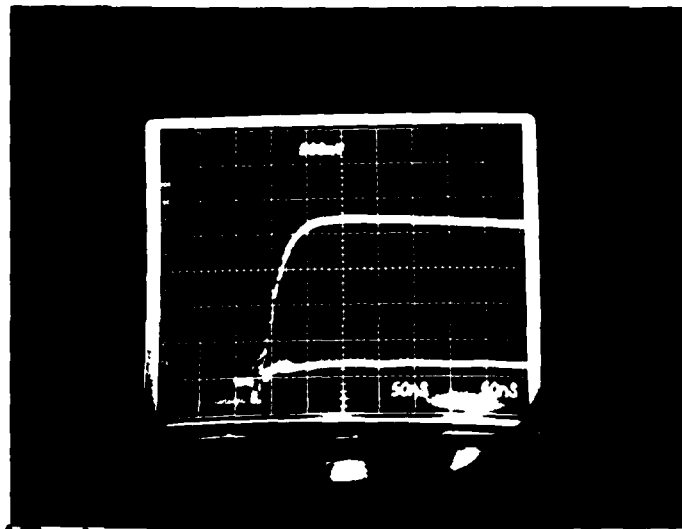
1020

50N all

Date
 Test Point
 Amplification dB
 Attenuation dB
 Horizontal ns/div 1
 Vertical mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level
 Data Link
 Comments:

Date 6-7-85
 Test Point 53-CH-1/10-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level 4500V
 Data Link
 Comments:

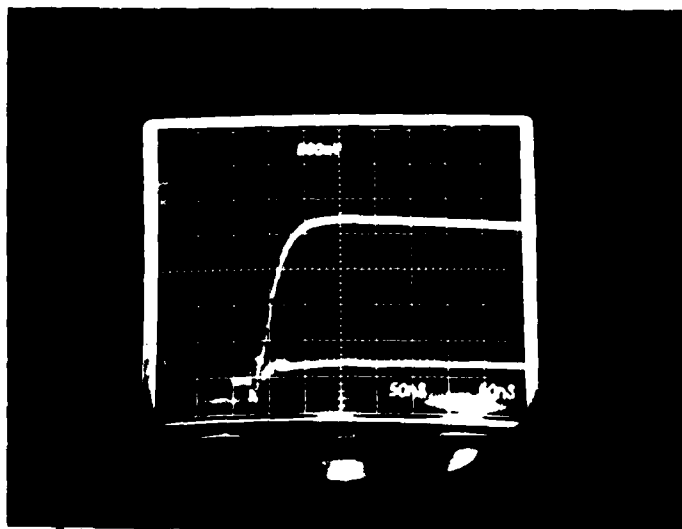
1021



1021

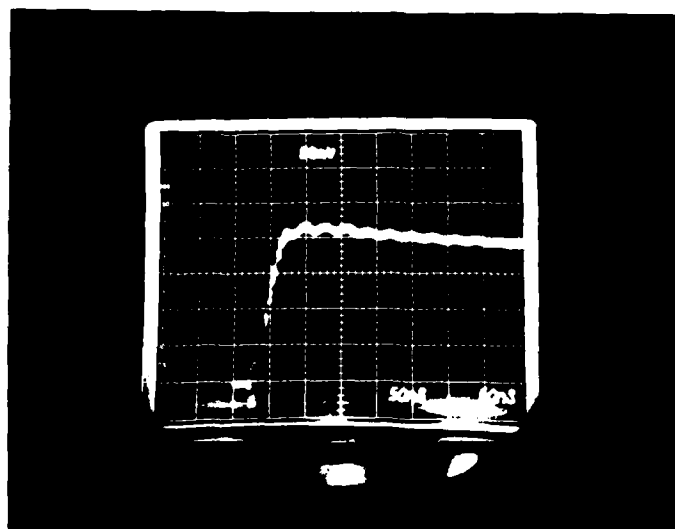
Date 6-7-85
 Test Point 53R-CH-1/10-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

1022



1022

Date	6-7-85
Test Point	53-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

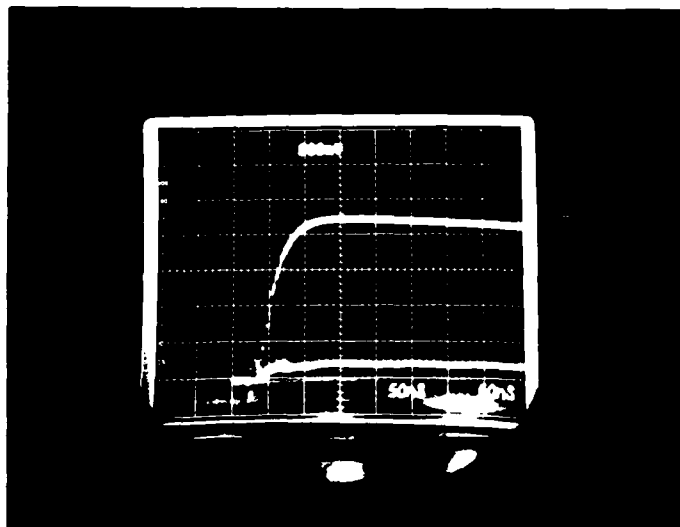


1023

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

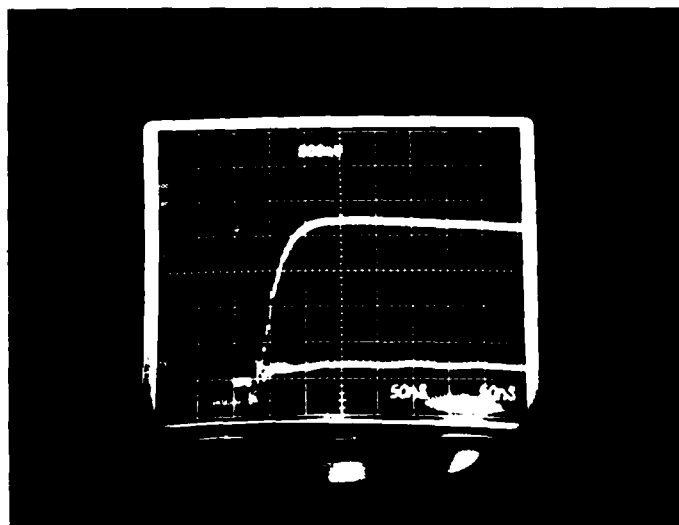
Date 6-7-85
 Test Point 53-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level + 4500V
 Data Link
 Comments:

124

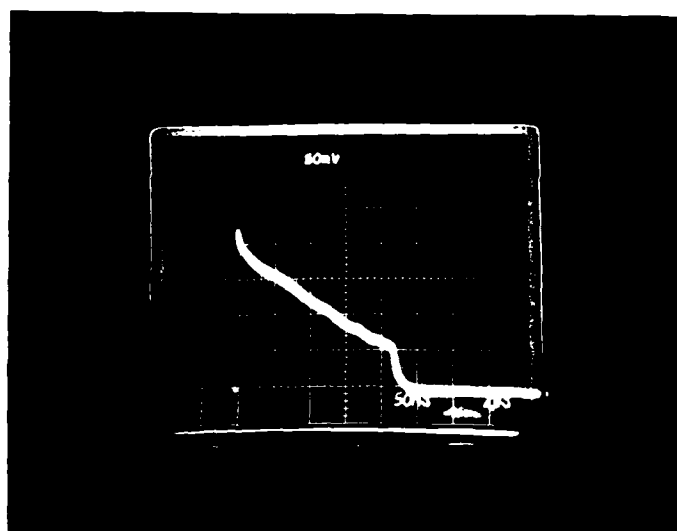


Date 6-7-85
 Test Point 53R-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level - 4500V
 Data Link
 Comments:

125



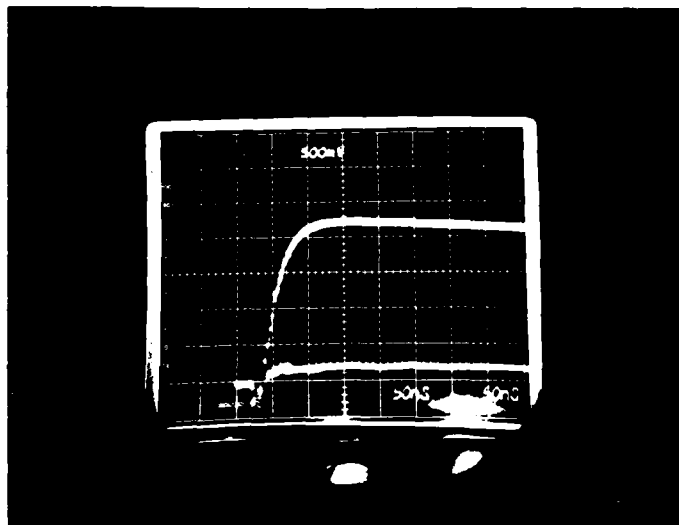
Date	6-7-85
Test Point	53-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	2 μ sec/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	



2 μ sec

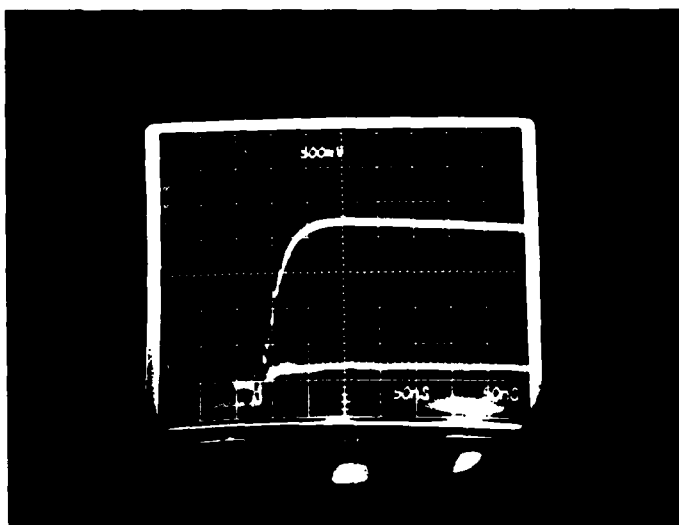
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	53-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



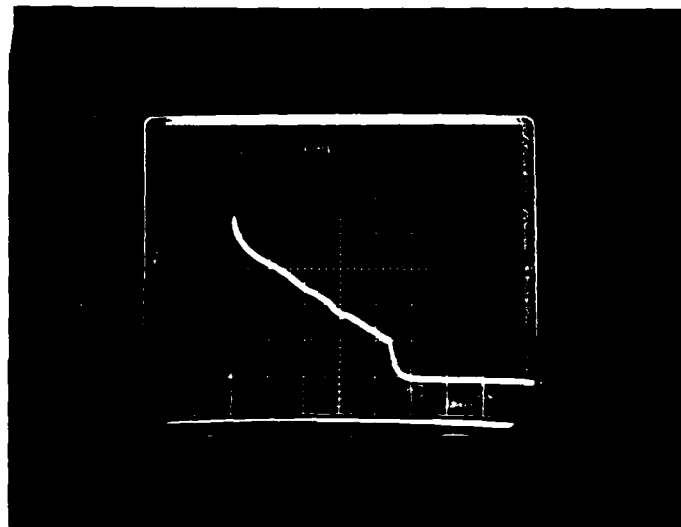
1012

Date	6-7-85
Test Point	53R-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1013

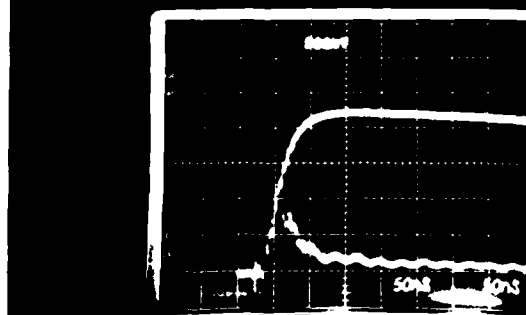
Date	6-7-85
Test Point	53-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	2 μ sec ns/div 1
Vertical	.05V (100V) mv/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	4500V
Data Link	
Comments:	



1017

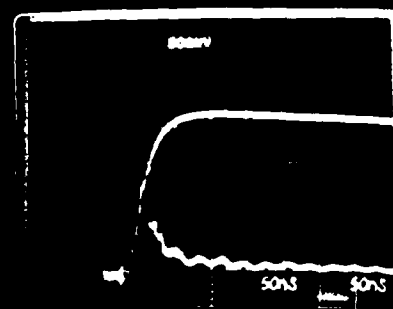
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	56-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100 V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



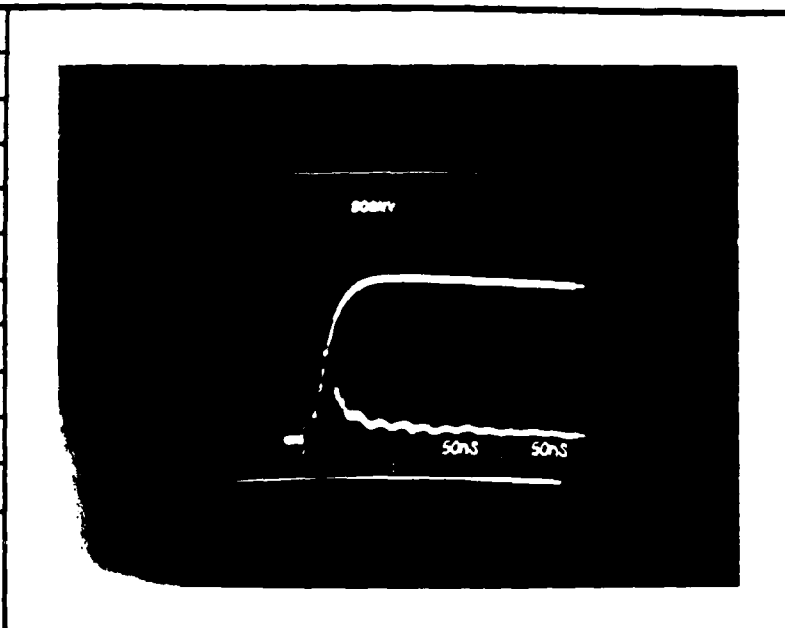
REF @ .5V (1000V)

Date	6-7-85
Test Point	56R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	



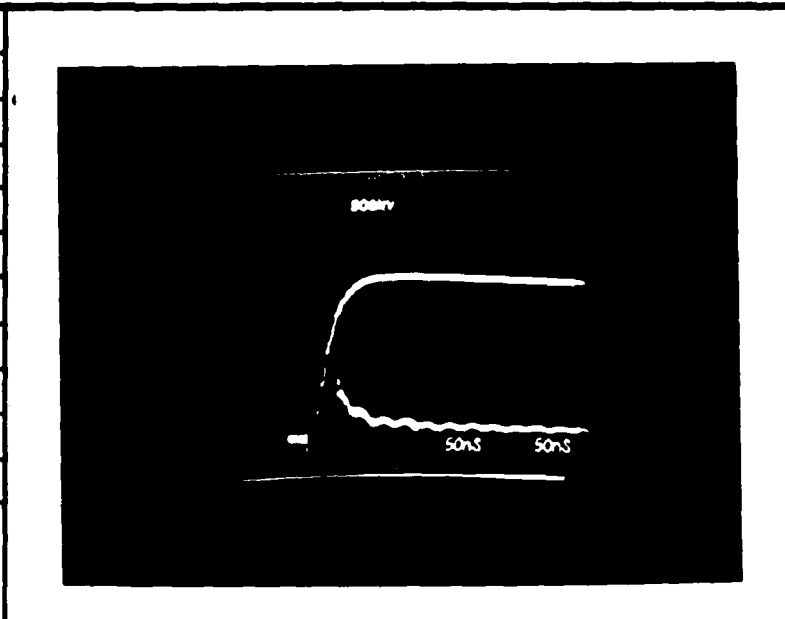
REF @ .5V (1000V)

Date	6-7-85
Test Point	56-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



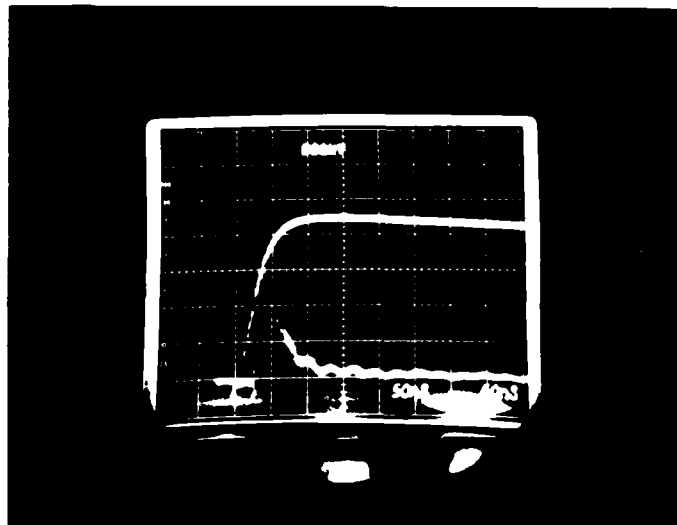
DATA @ .05 V (100V) div

Date	6-7-85
Test Point	56R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	



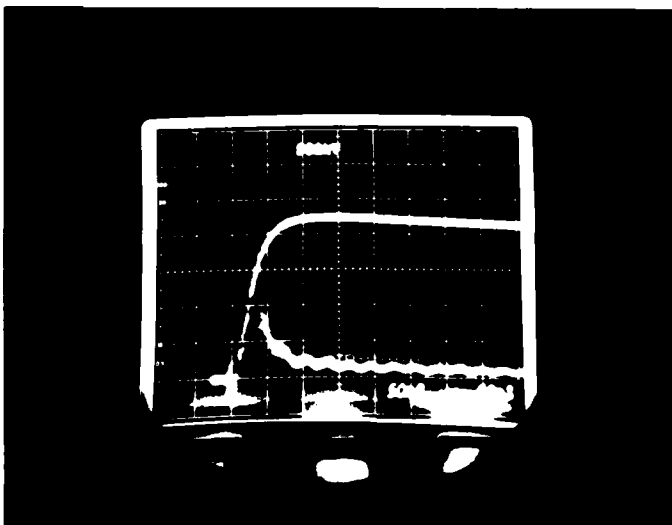
DATA @ .05 V (100V) div.

Date	6-7-85
Test Point	56-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



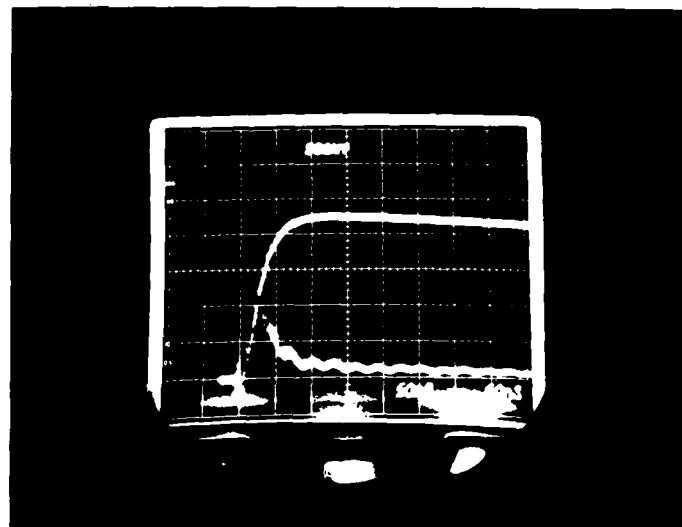
DATA @ .05V (100V)/DIV

Date	6-7-85
Test Point	56R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



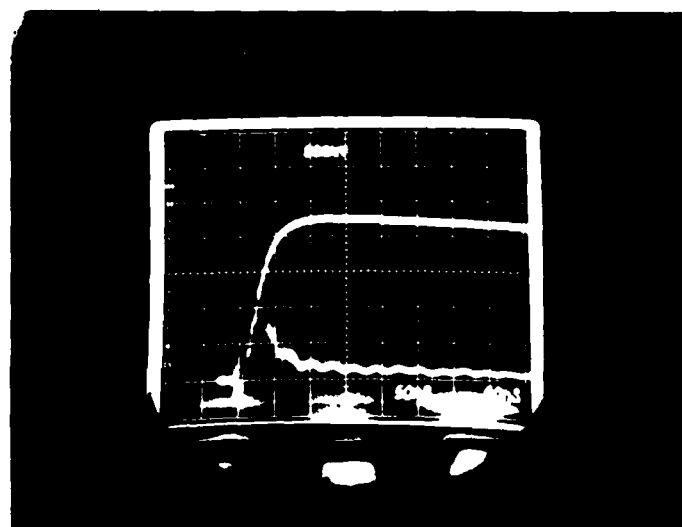
DATA @ .05V (100V) DIV

Date	6-7-85
Test Point	56-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



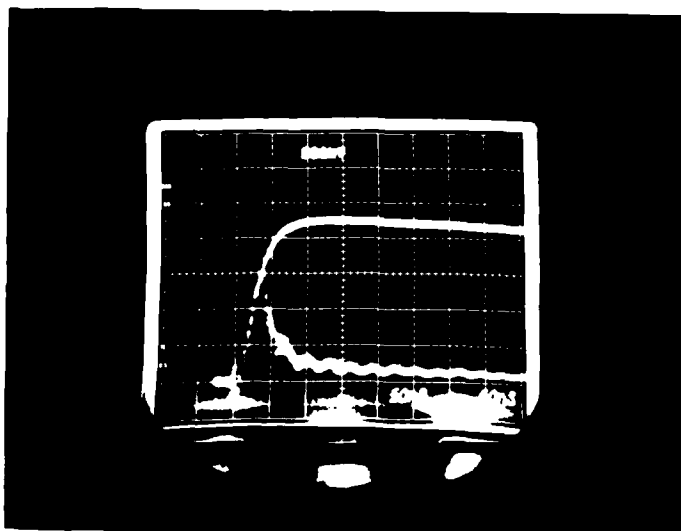
DATA @ .05V(100V)

Date	6-7-85
Test Point	56R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



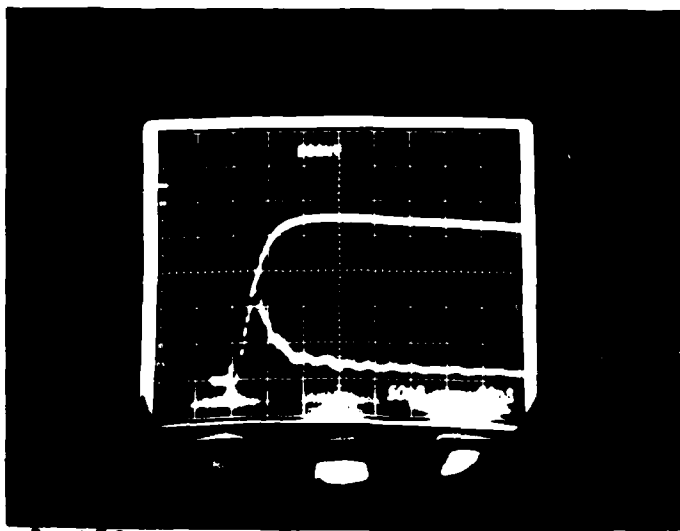
DATA @ .05V(100V)

Date	6-7-85
Test Point	56-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



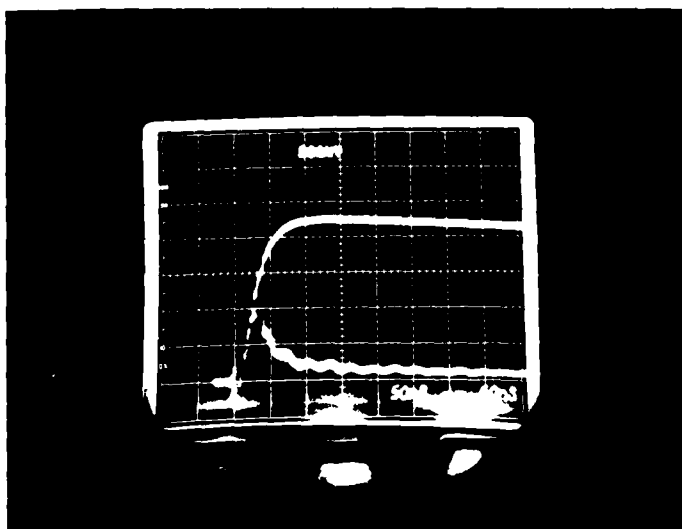
DATA @ .05V(100V)

Date	6-7-85
Test Point	56R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



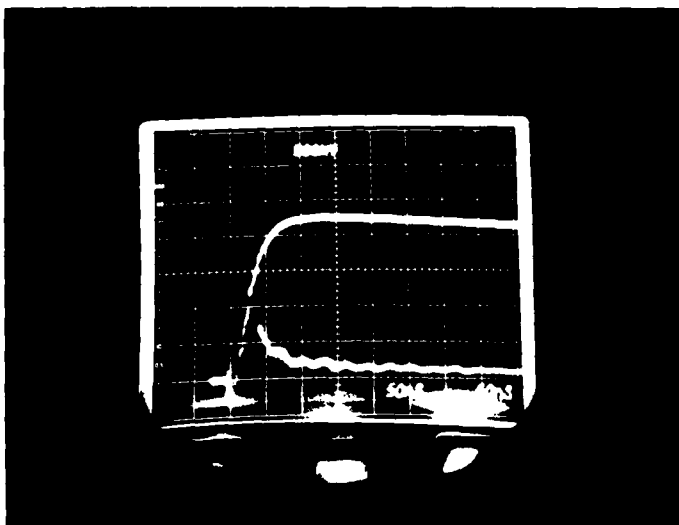
DATA @ .05V(100V)

Date 6-7-85
 Test Point 59-CH-1/10-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



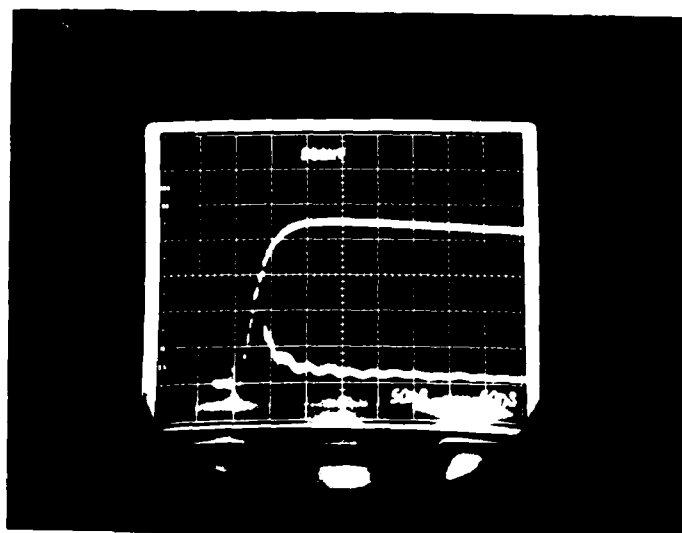
Data @ .05V(100V)

Date 6-7-85
 Test Point 59R-CH-1/10-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



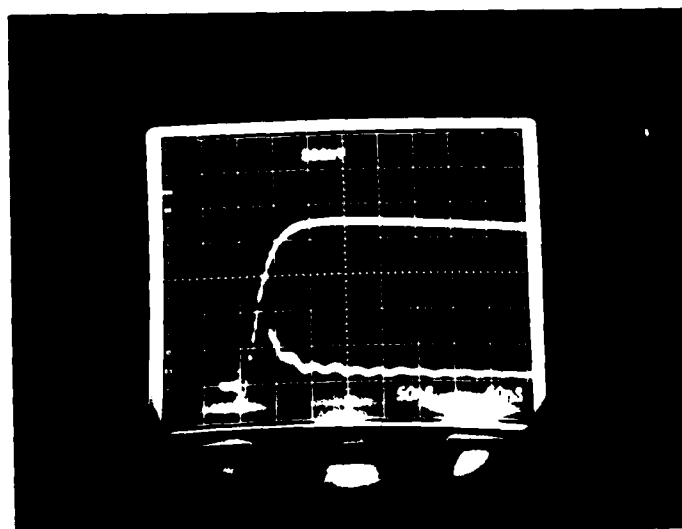
DATA @ .05V(100V)

Date	6-7-85
Test Point	59-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	



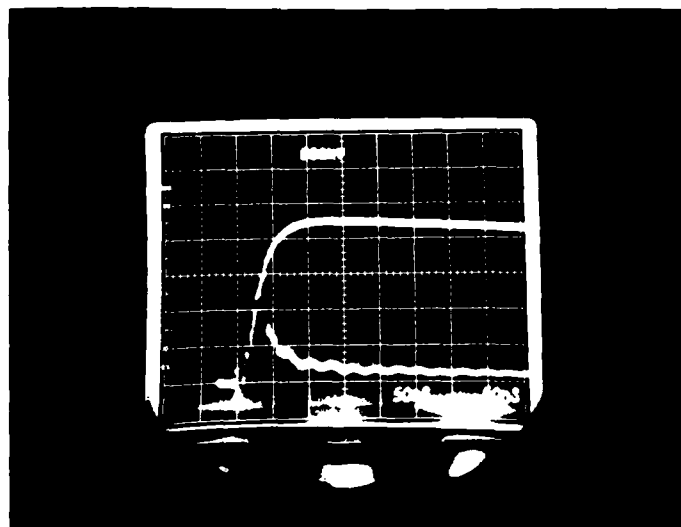
DATA @ .05V(100V)

Date	6-7-85
Test Point	59R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	



DATA @ .05V(100V)-

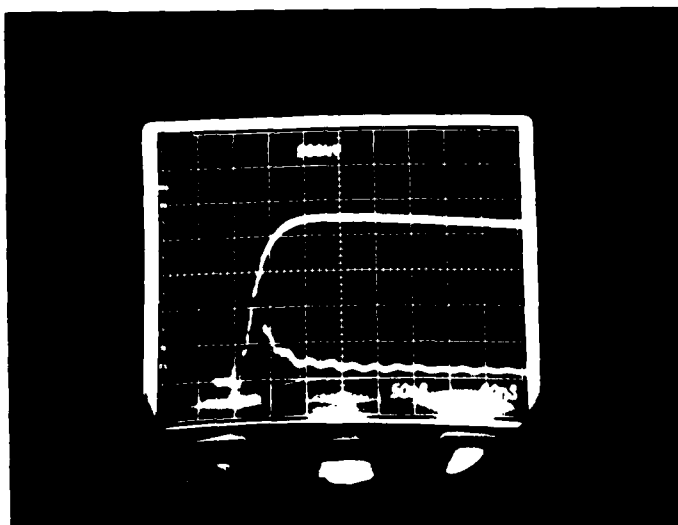
Date	6-7-85
Test Point	59-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1043

DATA @ .05V (100V) -

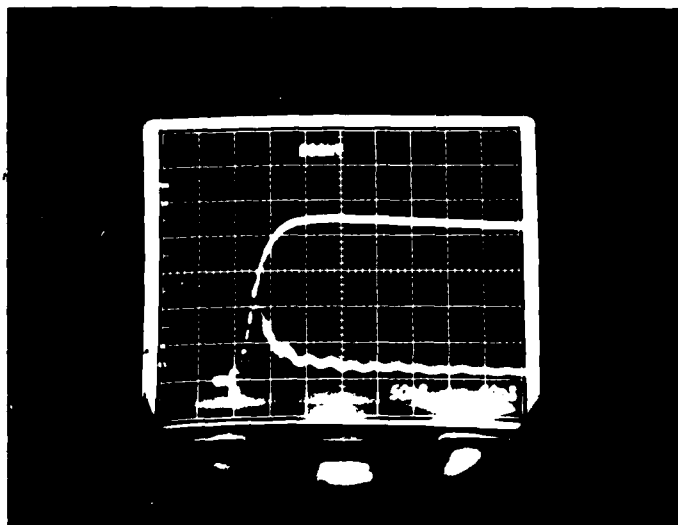
Date	6-7-85
Test Point	59R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1044

DATA @ .05V (100V)

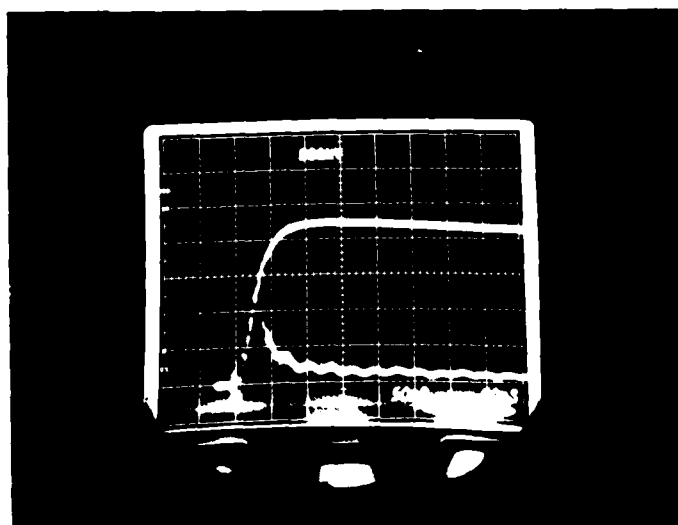
Date	6-7-85
Test Point	59-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1045

DATA @ .05V(100V)

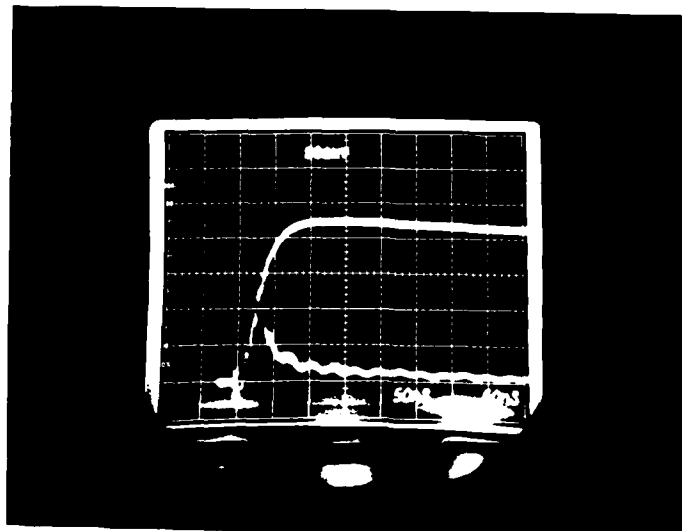
Date	6-7-85
Test Point	59R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1046

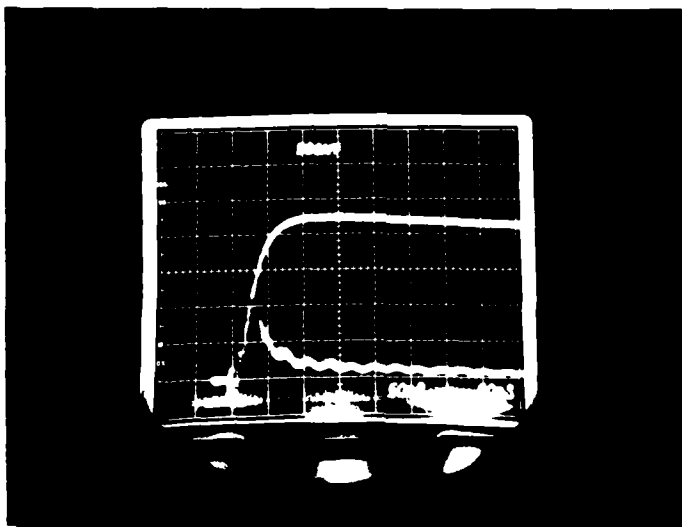
DATA @ .05V(100V)

Date	6-7-85
Test Point	59-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	



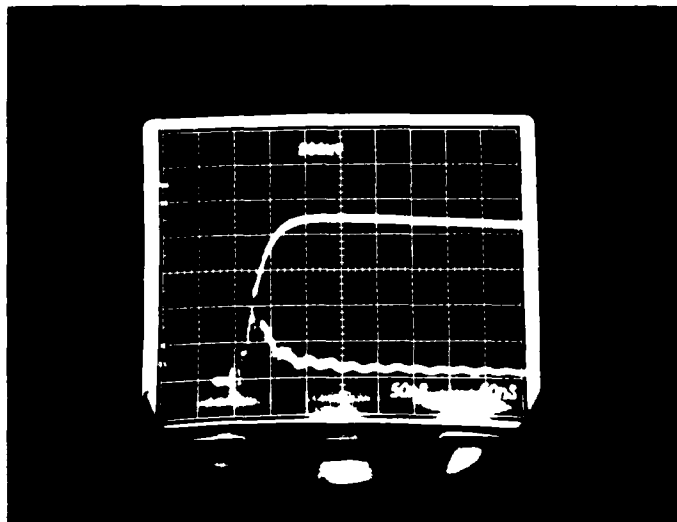
DATA @ .05V (100V)

Date	6-7-85
Test Point	59R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	



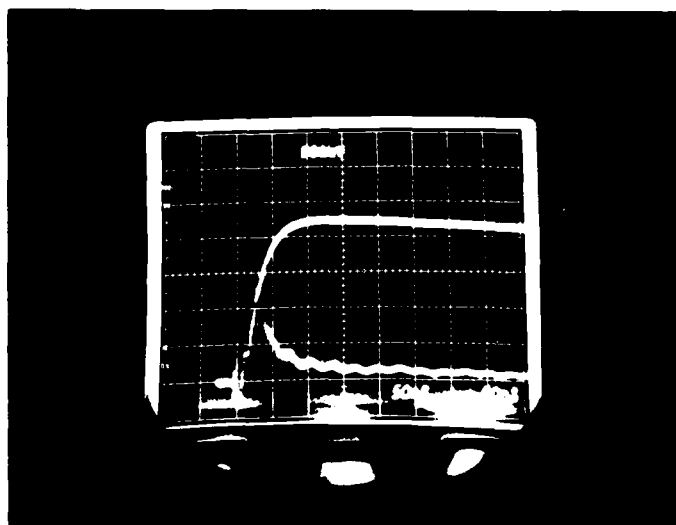
DATA @ .05V (100V)

Date	6-7-85
Test Point	62-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



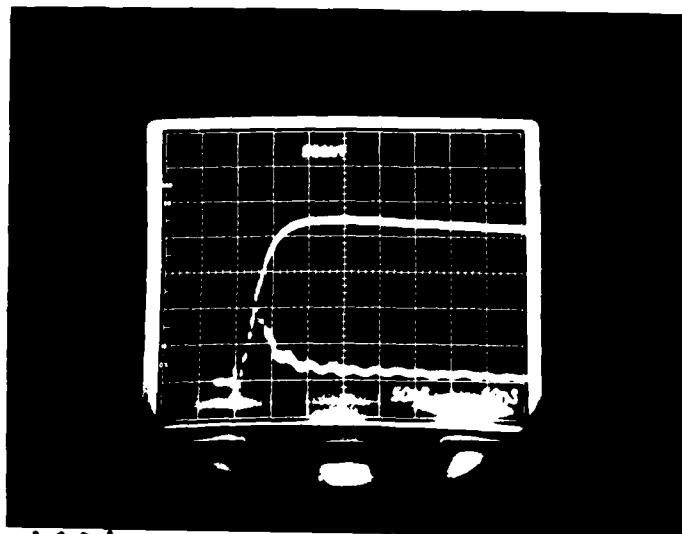
DATA @ .05V(100V)

Date	6-7-85
Test Point	62R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05V(100V)

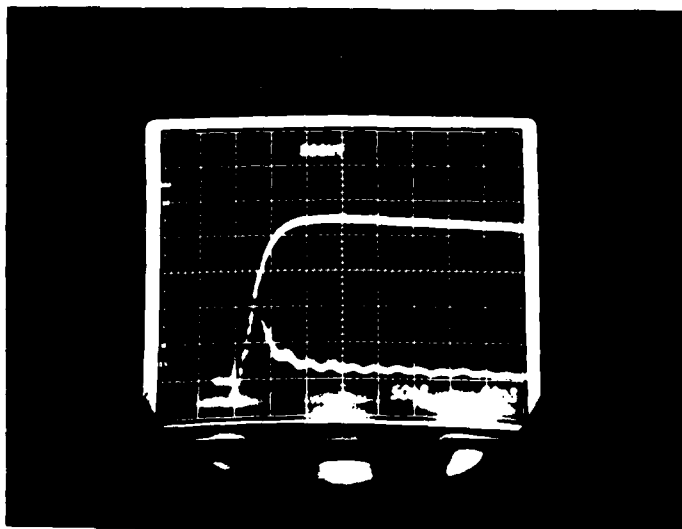
Date ~~6-7-85~~ 6-7-85
 Test Point 62-CH-1/10-B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



1051

DATA @ .05V(100V)

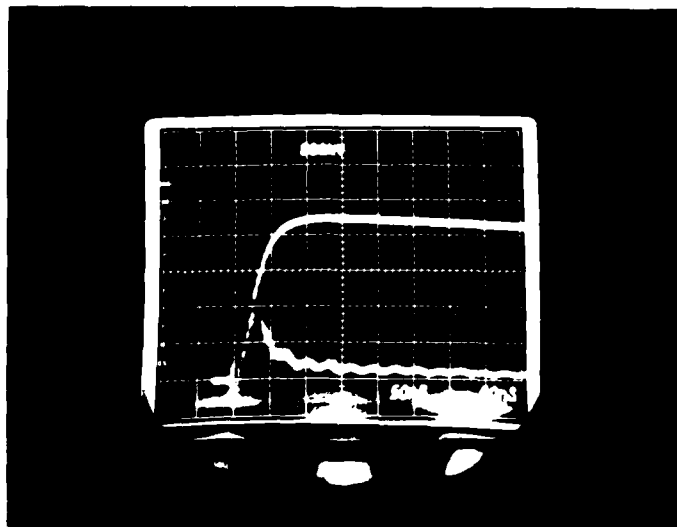
Date 6-7-85
 Test Point 62R-CH-1/10-B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



1052

DATA @ .05V(100V)

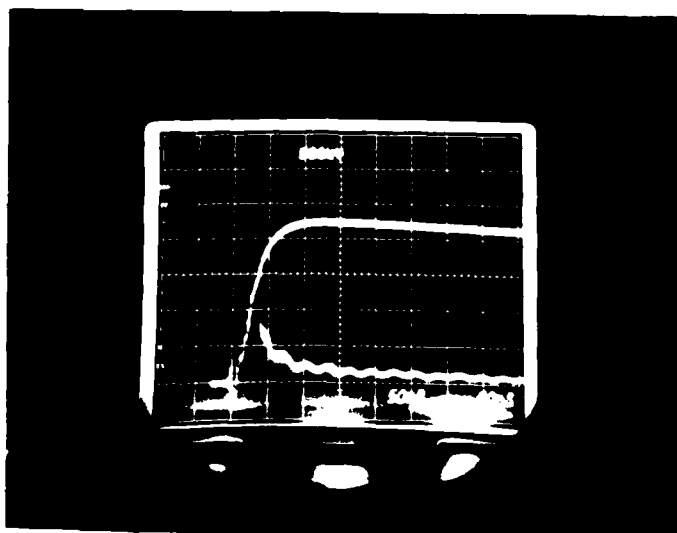
Date	6-7-85
Test Point	62-CH-10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1053

DATA @ : .05V (100V)

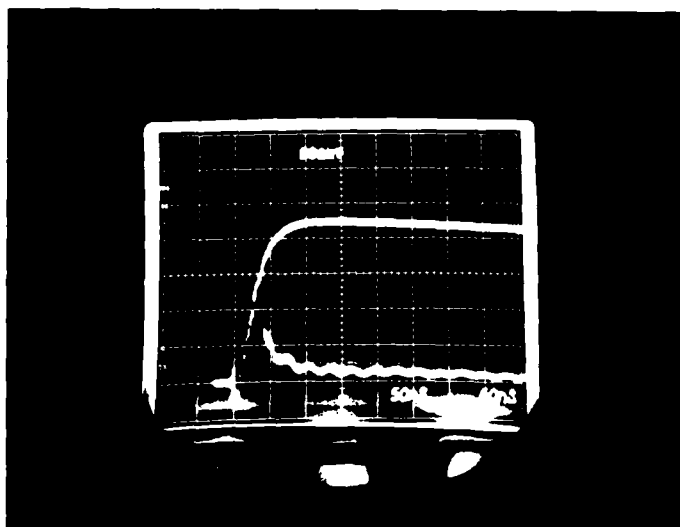
Date	6-7-85
Test Point	62R-CH-10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1054

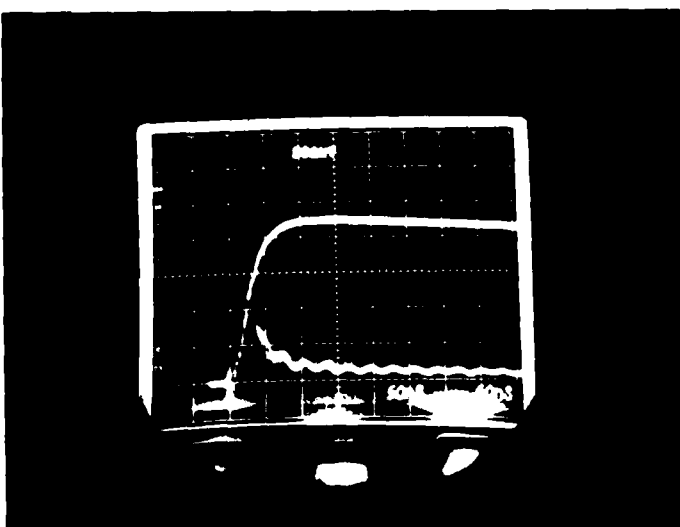
DATA @ : .05V (100V)

Date	6-7-85
Test Point	62-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



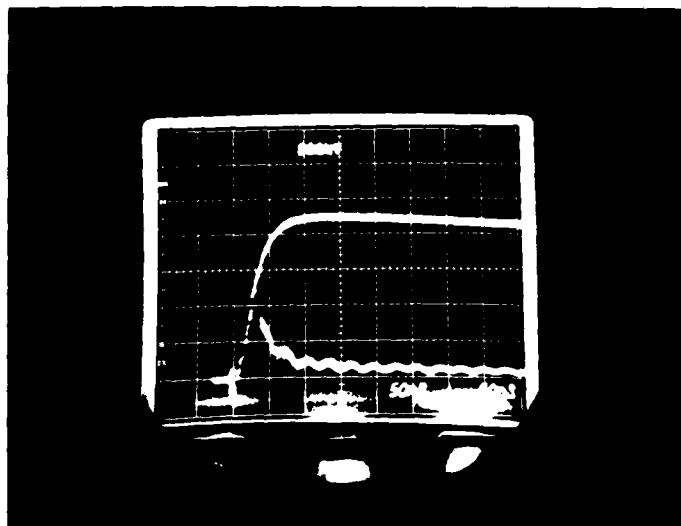
DATA @ .05V (100V)

Date	6-7-85
Test Point	62R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



DATA @ .05V (100V)

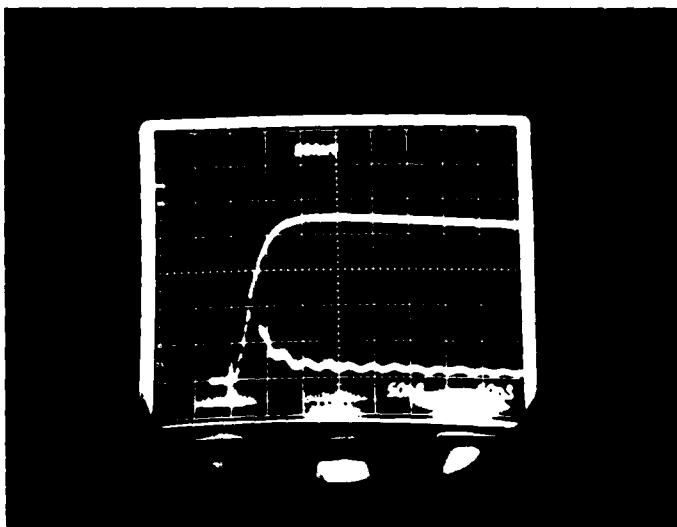
Date	6-7-85
Test Point	62-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1057

DATA @ .05V(100V)

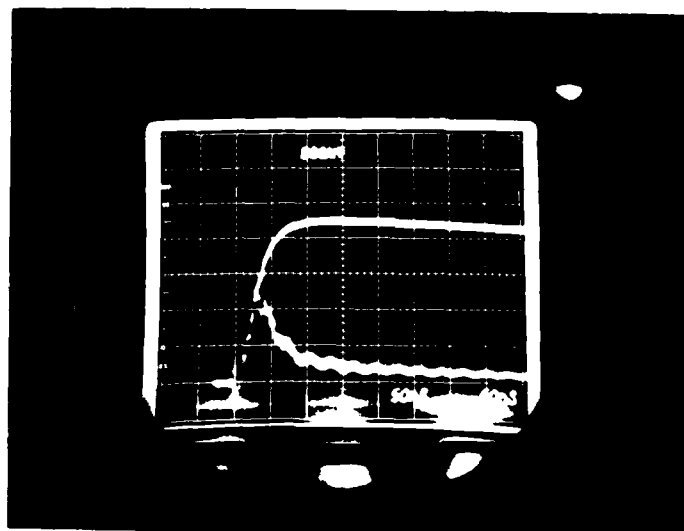
Date	6-7-85
Test Point	62R-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1058

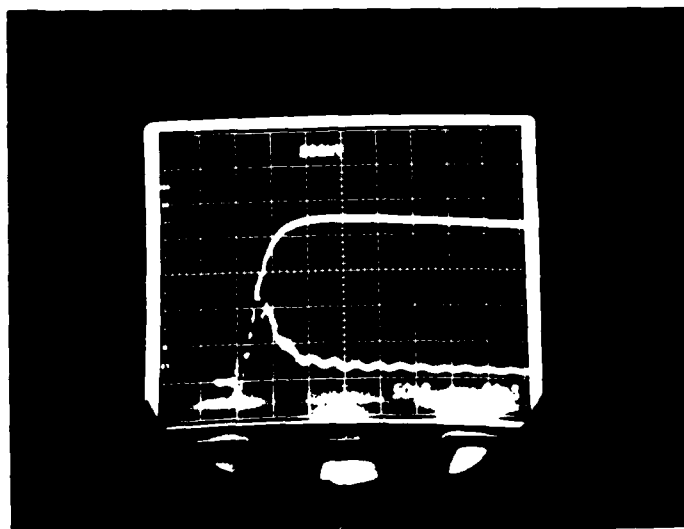
DATA @ .05V(100V)

Date	6-7-85
Test Point	65-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



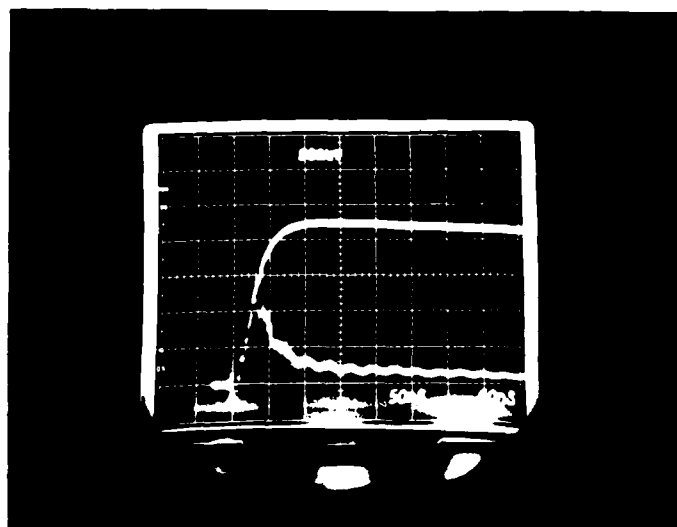
DATA @ .05V (100V)

Date	6-7-85
Test Point	65R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



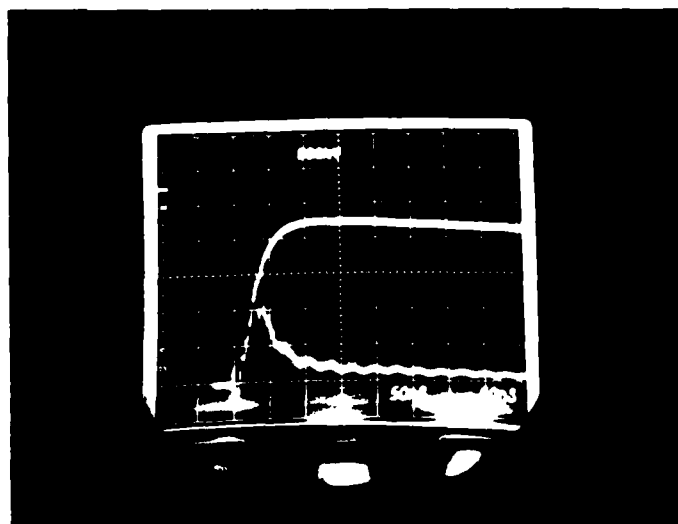
DATA @ -.05V (100V) -

Date	6-7-85
Test Point	65-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



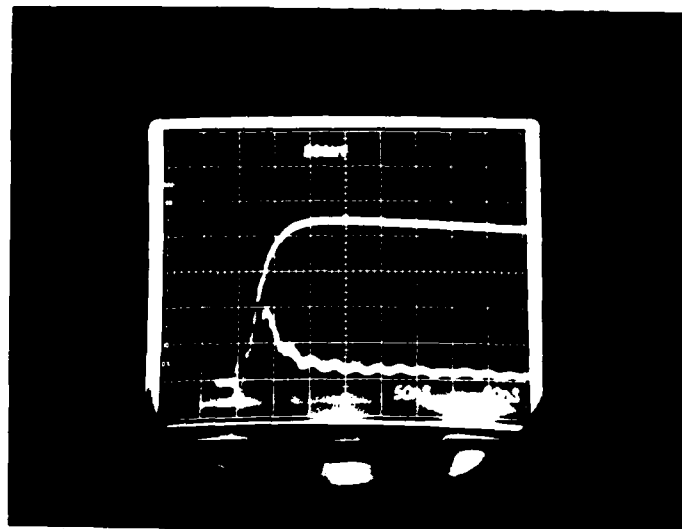
DATA @ .05V(100V)

Date	6-7-85
Test Point	65R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



DATA @ .05V(100V)

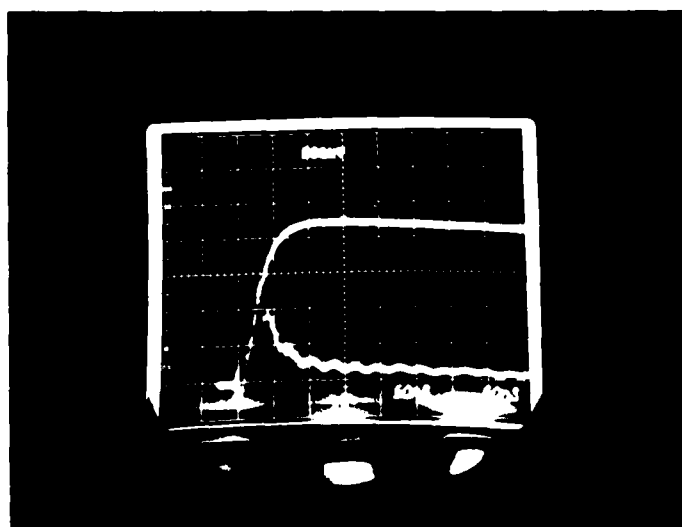
Date	6-7-85
Test Point	65-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1063

DATA @ .05V (100V)

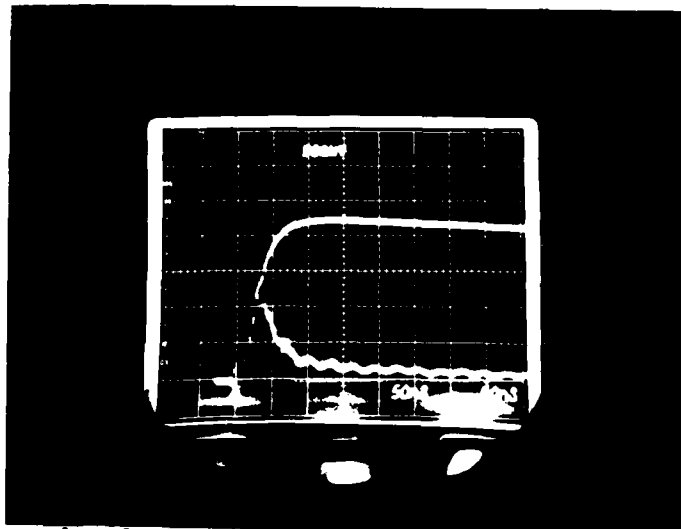
Date	6-7-85
Test Point	65R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1064

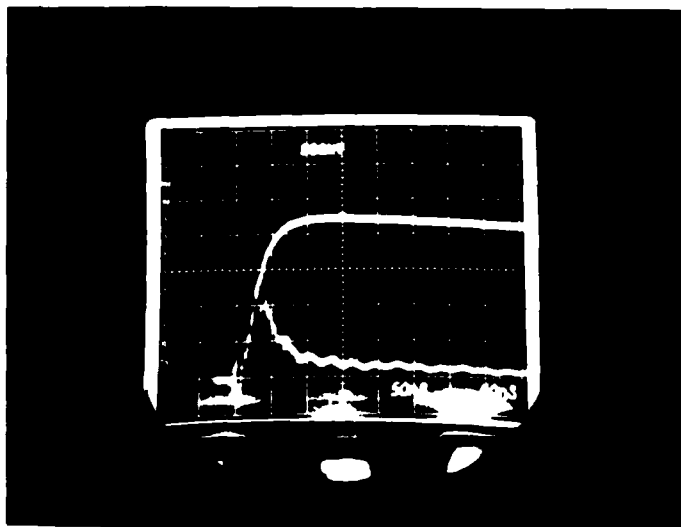
DATA @ .05V (100V)

Date	6-7-85
Test Point	65-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



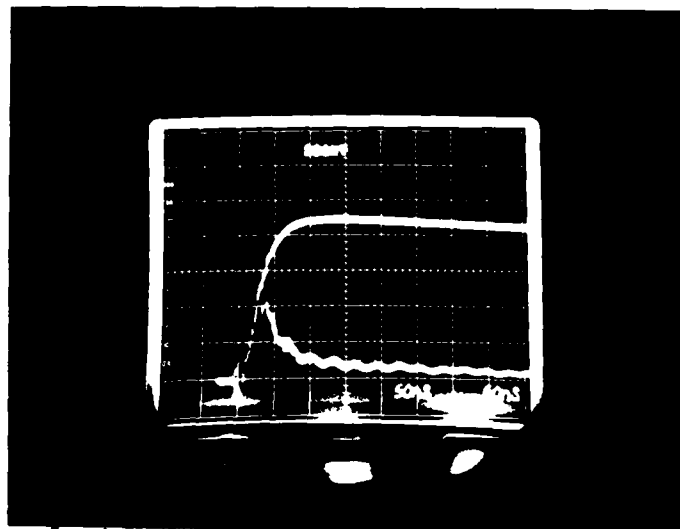
DATA @ .05V(100V)

Date	6-7-85
Test Point	65R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V(100V)

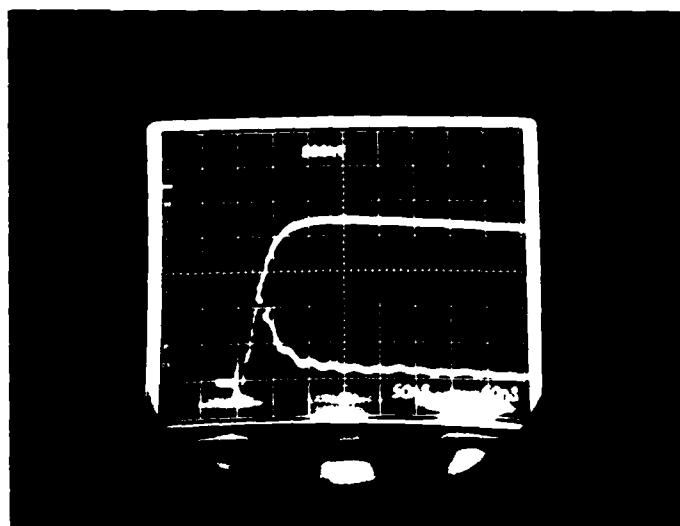
Date	6-7-85
Test Point	65-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1067

DATA @ .05V (100V)

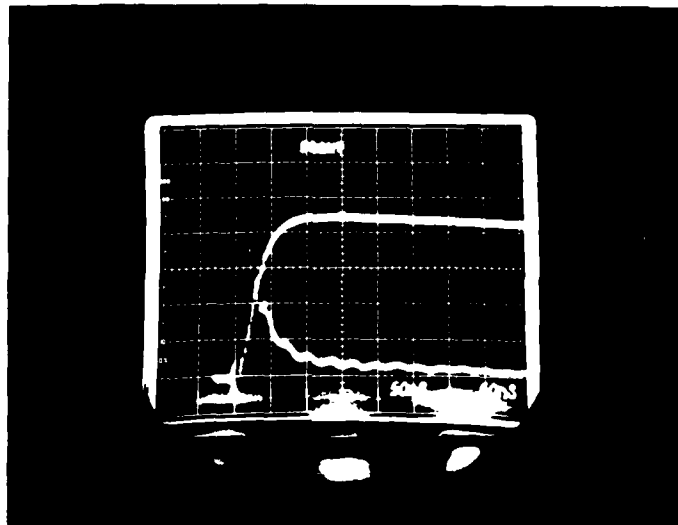
Date	6-7-85
Test Point	65R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1068

DATA @ .05V (100V)

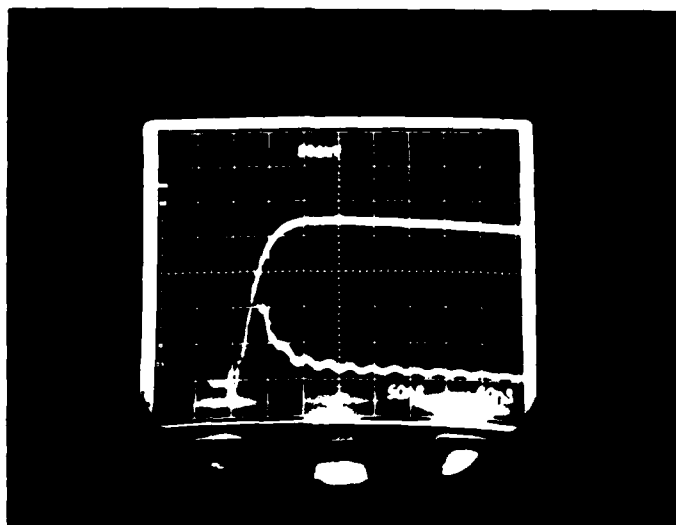
Date	6-7-85
Test Point	67-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500
Data Link	
Comments:	



1069

DATA @ .05V (100V)

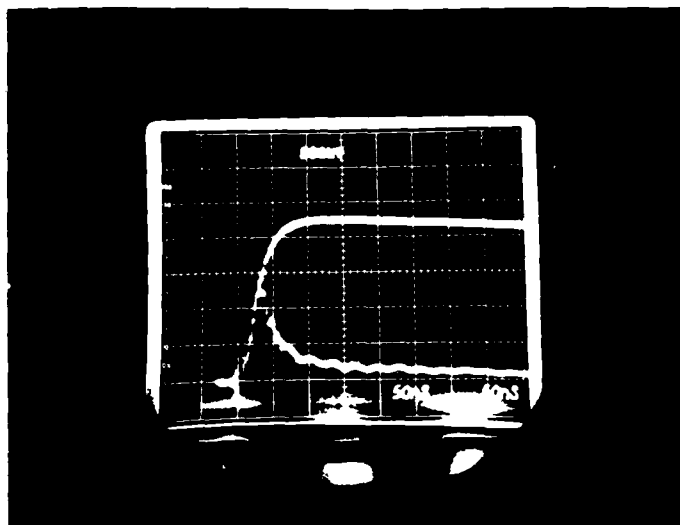
Date	6-7-85
Test Point	67R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1070

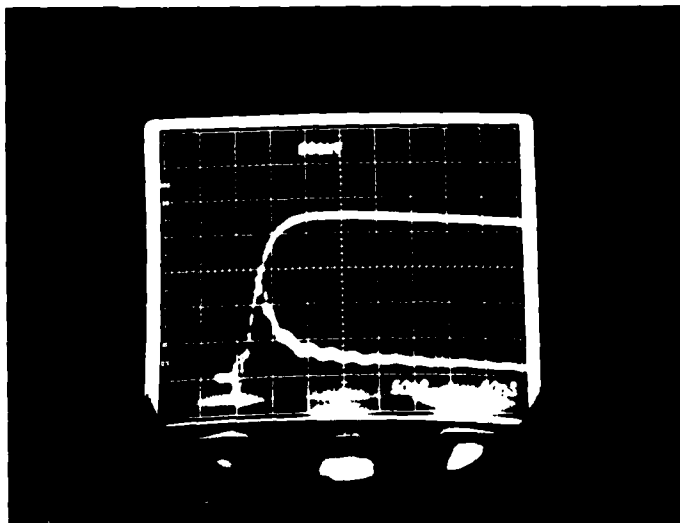
DATA @ .05V (100V) -

Date	6-7-85
Test Point	67-CH-4/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1071



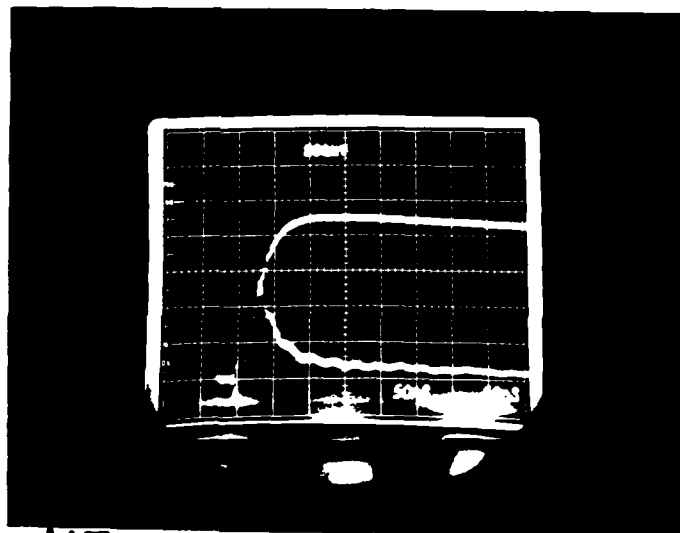
DATA @ 105V (100V)

Date	6-7-85
Test Point	67R-CH-4/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1072



DATA @ .05V (100V)

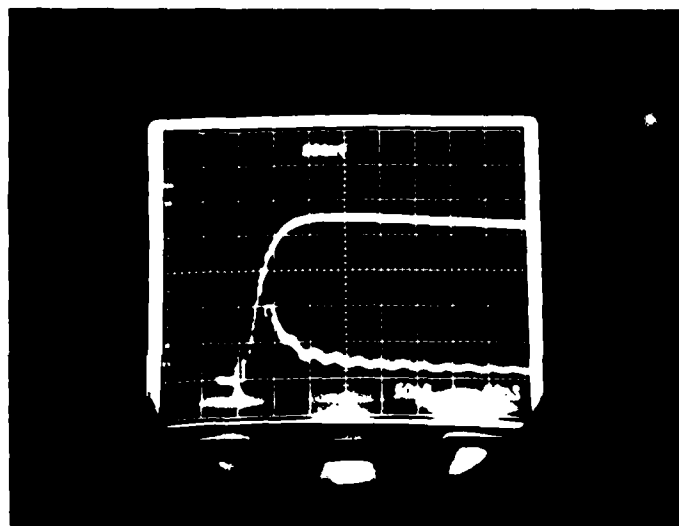
Date	6-7-85
Test Point	67-CH-Y10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1073

DATA @ .05-(100V)

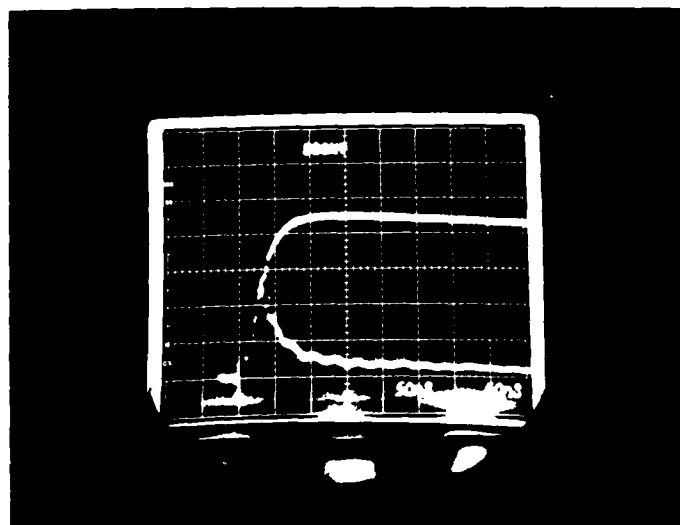
Date	6-7-85
Test Point	67R-CH-Y10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1074

DATA @ .05V (100V)-

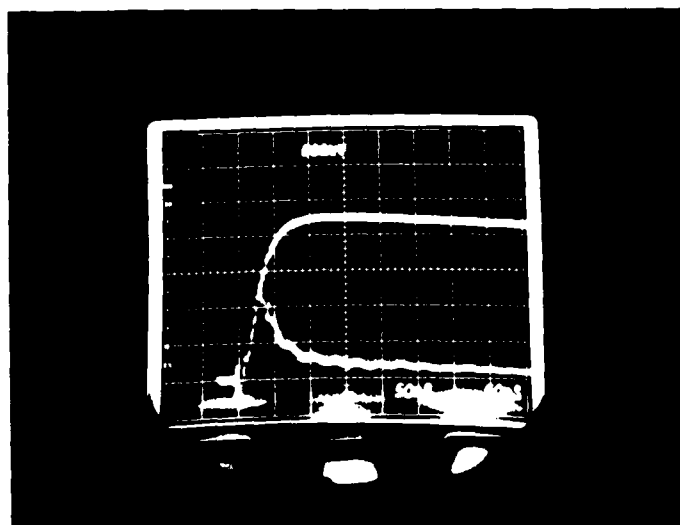
Date	6-7-85
Test Point	67-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) -mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1075

DATA @ .05V (100V)

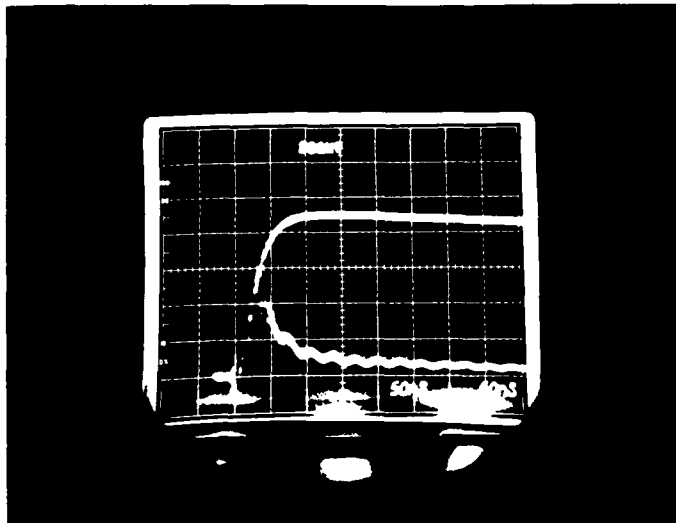
Date	6-7-85
Test Point	67R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1076

DATA @ .05V (100V)

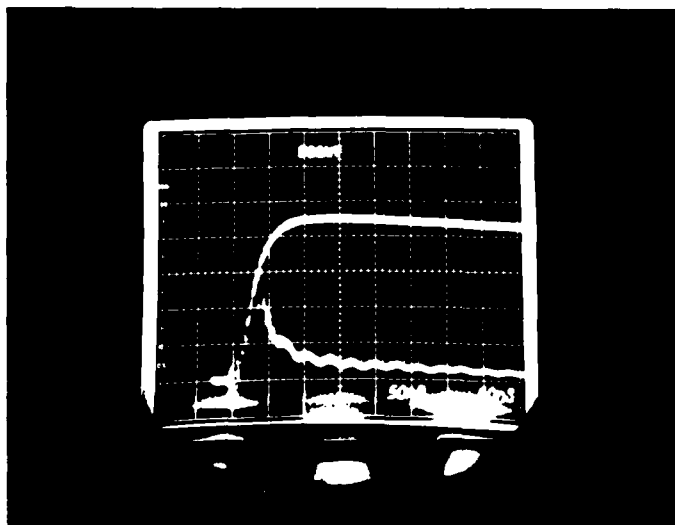
Date	6-7-85
Test Point	67-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1077

DATA @ .05V (100V)

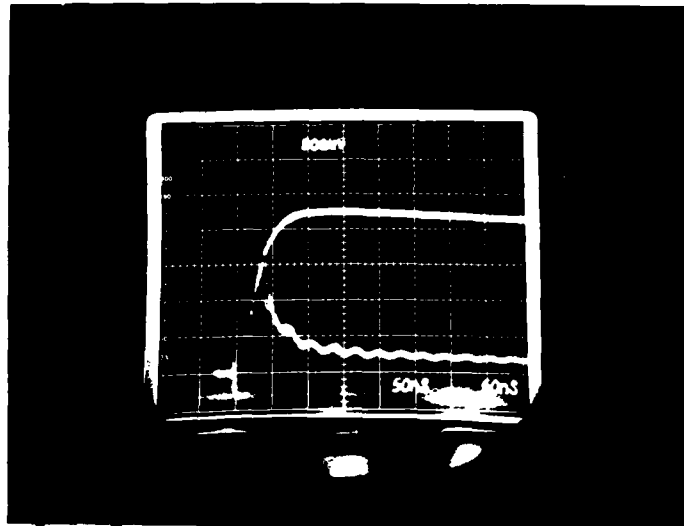
Date	6-7-85
Test Point	67R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1078

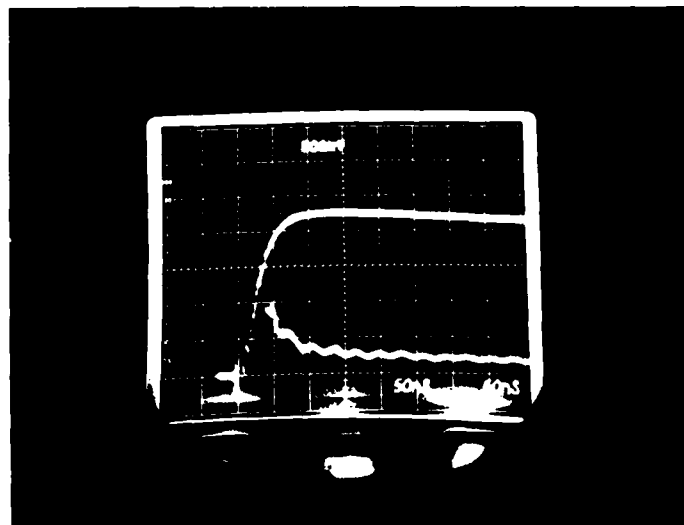
DATA @ .05V (100V)

Date	6-7-85
Test Point	71-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



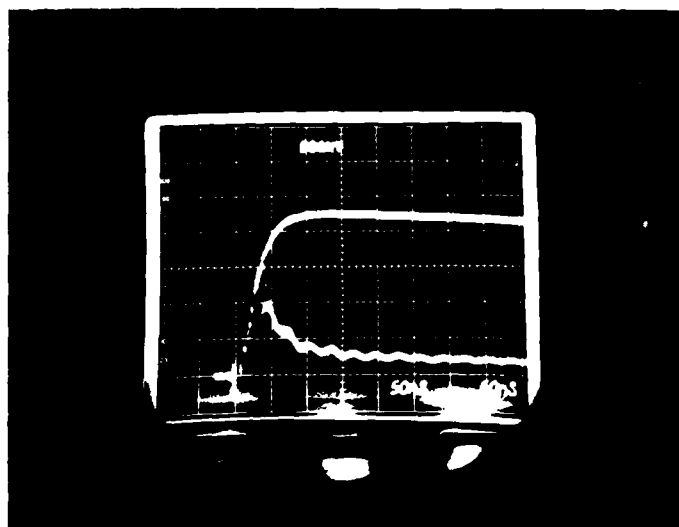
DATA @ .05V (100V)

Date	6-7-85
Test Point	71R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V (100V)

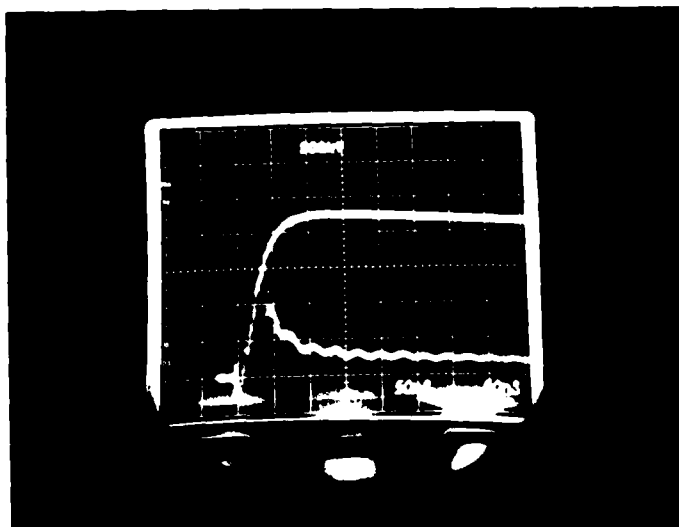
Date	6-7-85
Test Point	71-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1081

DATA @ 105V (100V)

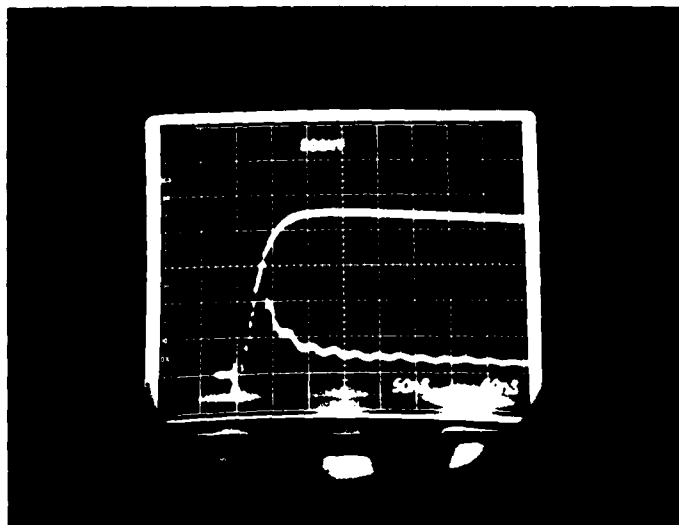
Date	6-7-85
Test Point	71R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	→ -4500V
Data Link	
Comments:	



1082

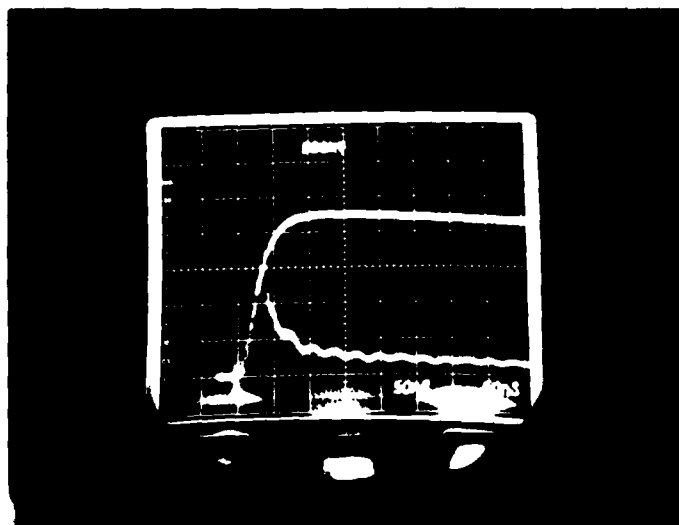
DATA @ .05V (100V)

Date	6-7-85
Test Point	71-CH-4/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



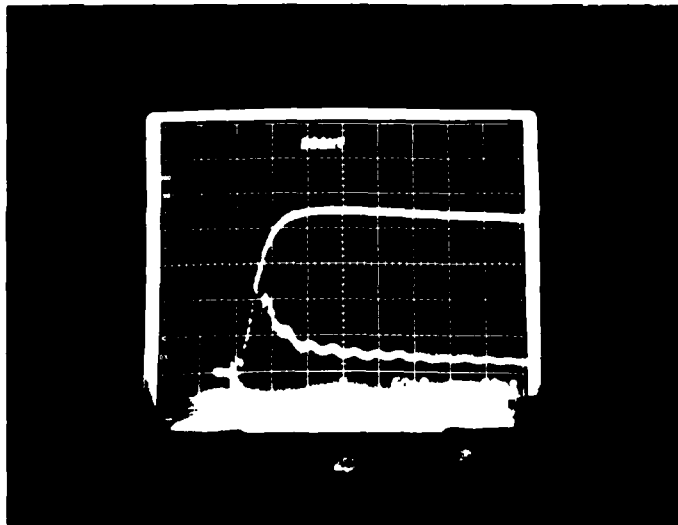
DATA @ .05V (100V)

Date	6-7-85
Test Point	71R-CH-4/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



DATA @ .05V (100V)-

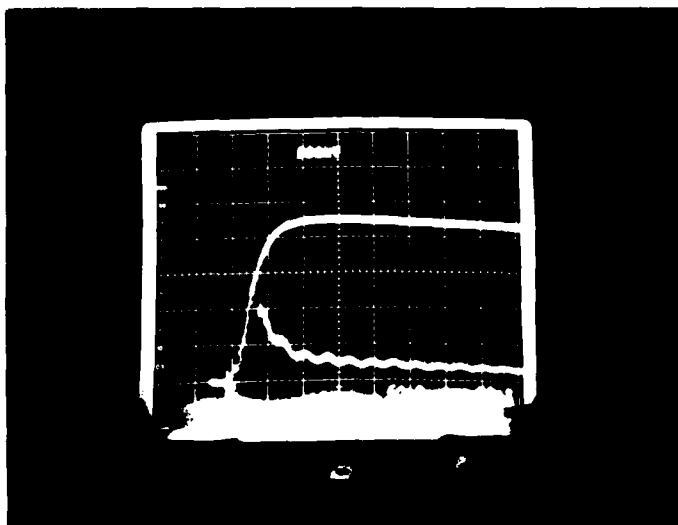
Date	6-7-85
Test Point	71-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1085

DATA @ .05V (100V)

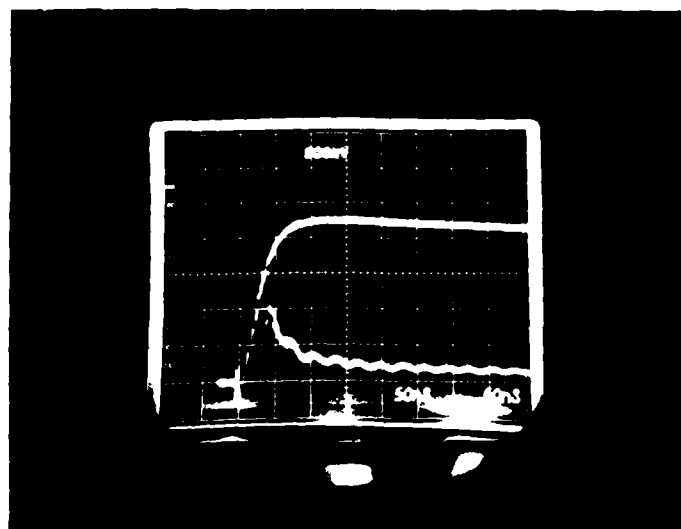
Date	6-7-85
Test Point	71R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1086

DATA @ .05V (100V)

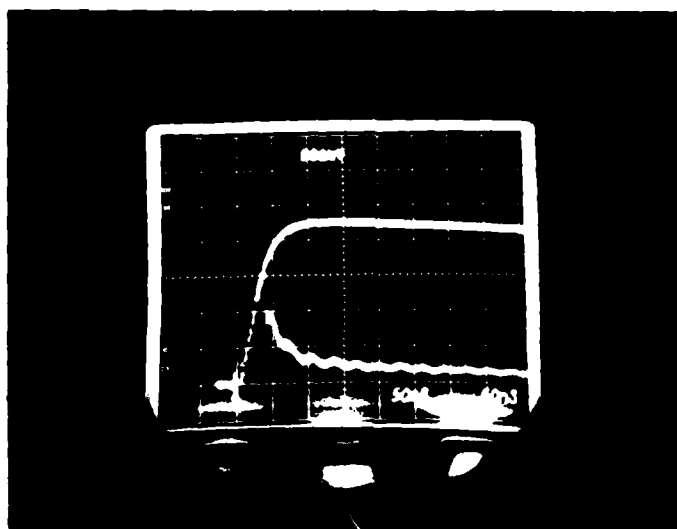
Date 6-7-85
 Test Point 71-CH-1/10-E
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level + 4500V
 Data Link
 Comments:



1087

DATA @ .05V (100V)

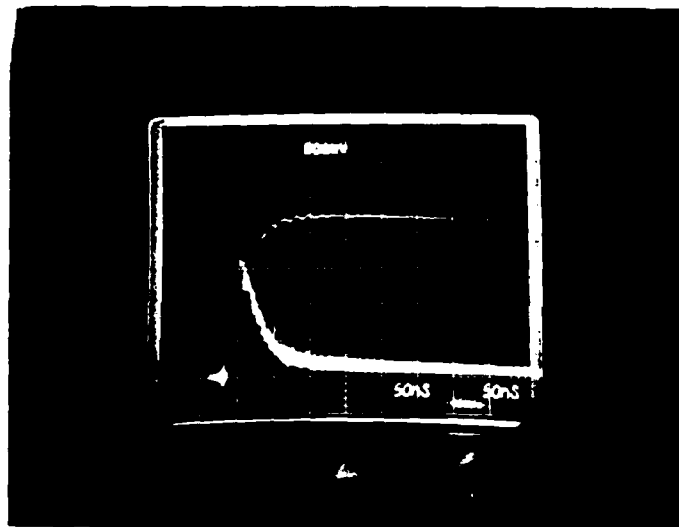
Date 6-7-85
 Test Point 71R-CH-1/10-E
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level - 4500V
 Data Link
 Comments:



1088

DATA @ .05V (100V)

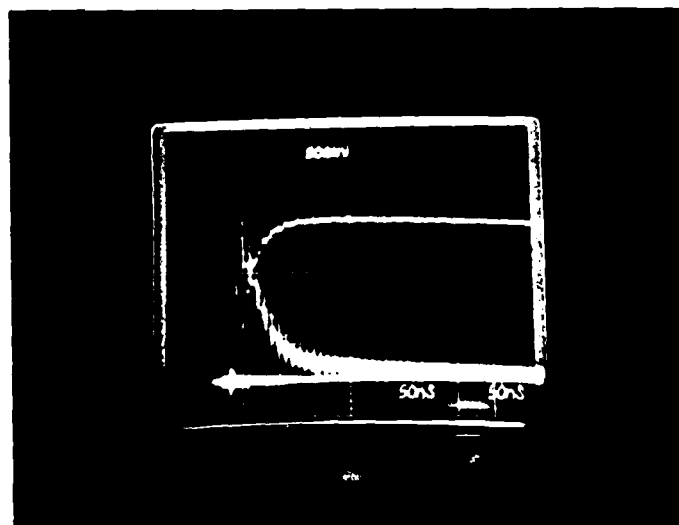
Date	6-10-85
Test Point	74-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1179

DATA @ .1V (200V)

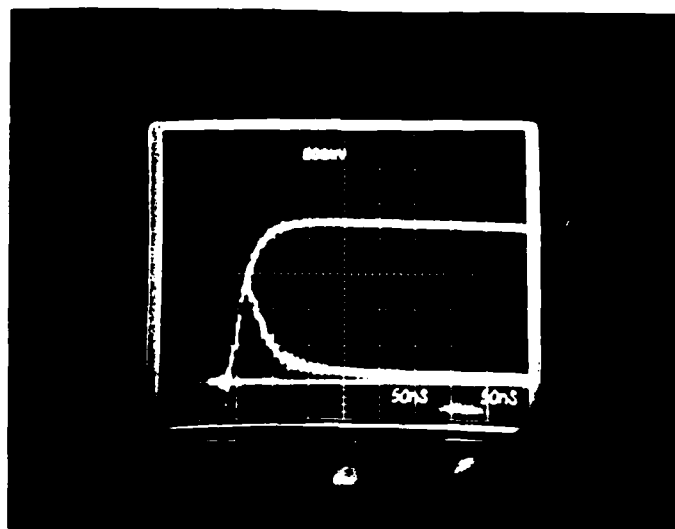
Date	6-10-85
Test Point	74R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1180

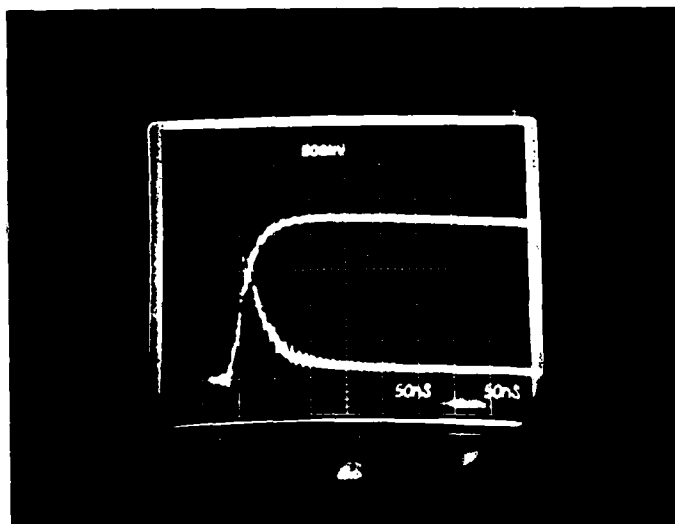
DATA @ .1V (200V)

Date	6-10-85
Test Point	75-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .1V (200V)

Date	6-10-85
Test Point	75R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



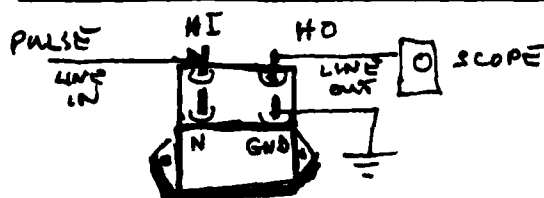
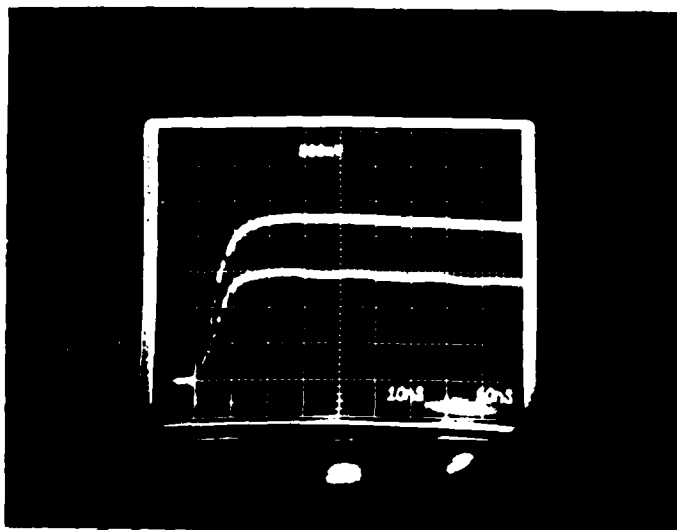
DATA @ .1V (200V)

Date 6-11-85
 Test Point 76-CH-1/10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 1SV(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link

Comments: 12-6

"HOT"

DATA @ .1

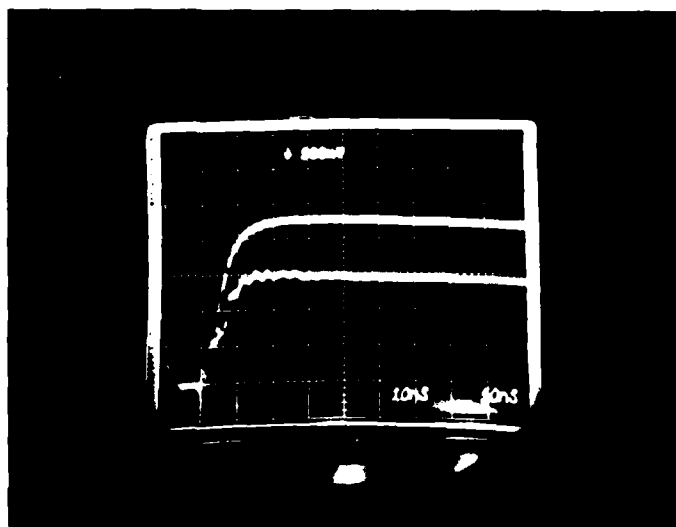


Date 6-11-85
 Test Point 76R-CH-1/10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 1SV(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link

Comments: 12-6

"HOT"

DATA @ .1V (200V)

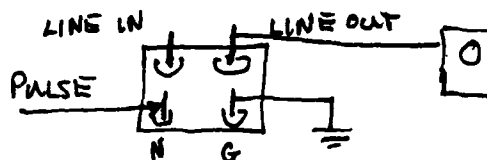
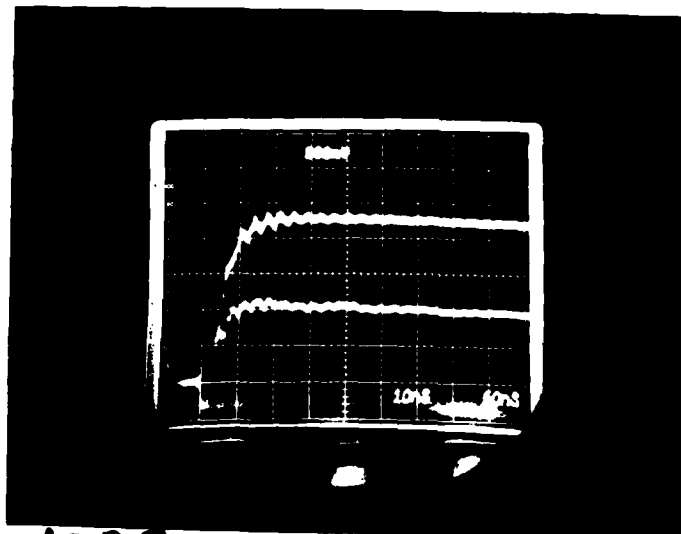


Date	6-11-85
Test Point	76-CH-1/10- ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

"NEUTRAL-1"

DATA @ .LV (200V)

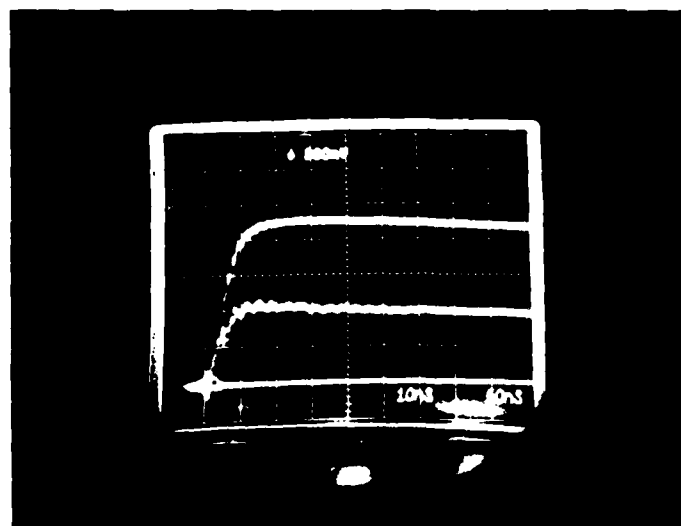


Date	6-11-85
Test Point	76R-CH-1/10- ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

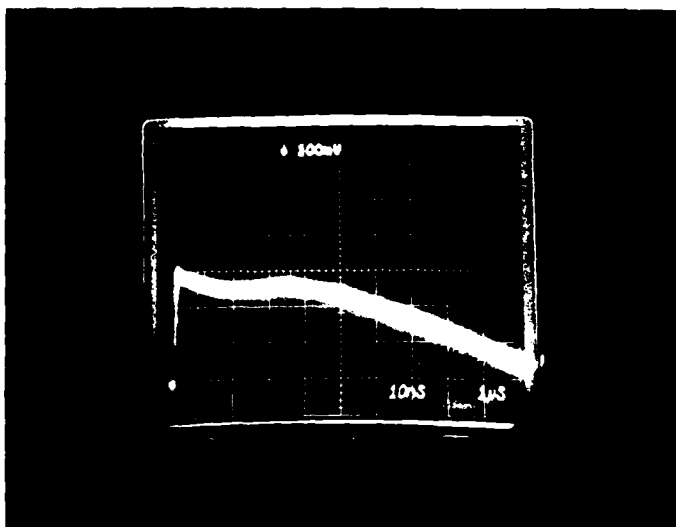
Comments:

"NEUTRAL"

DATA @ .LV (200V)



Date	6-11-85
Test Point	76-CH-10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	145 ns/div 1
Vertical	.1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

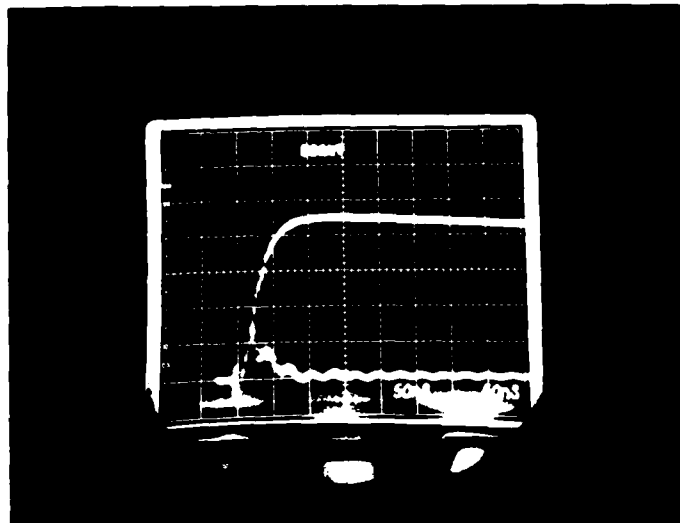


1228

HOT -

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

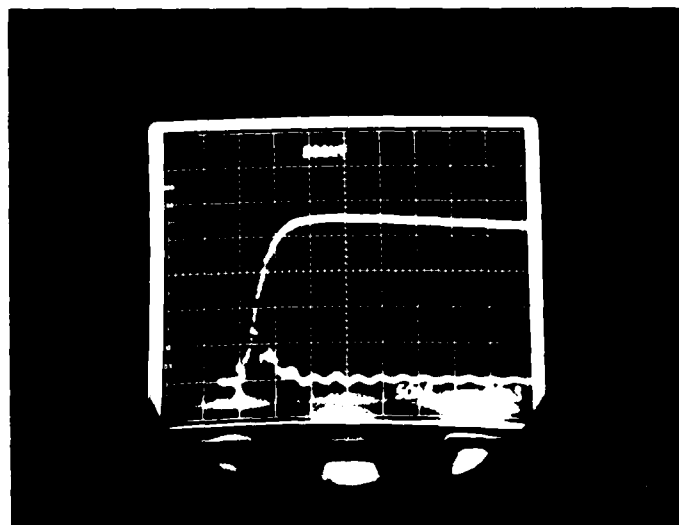
Date	6-7-85
Test Point	78-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	15V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1089

DATA @ 105V (100V)

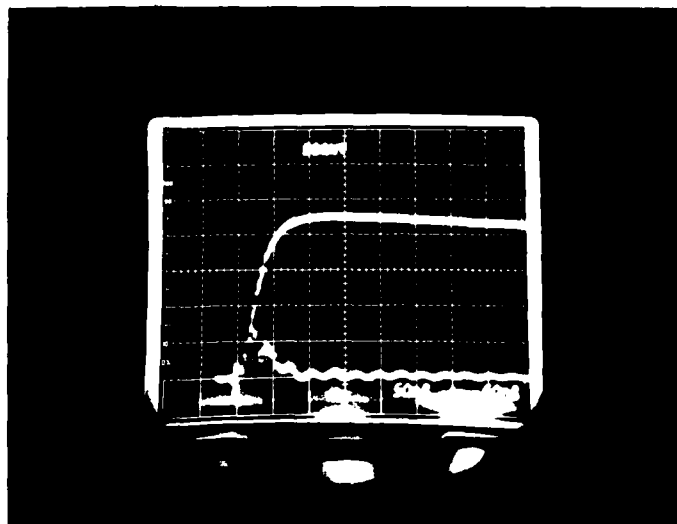
Date	6-7-85
Test Point	78R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	15(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1090

DATA @ 105V (100V)

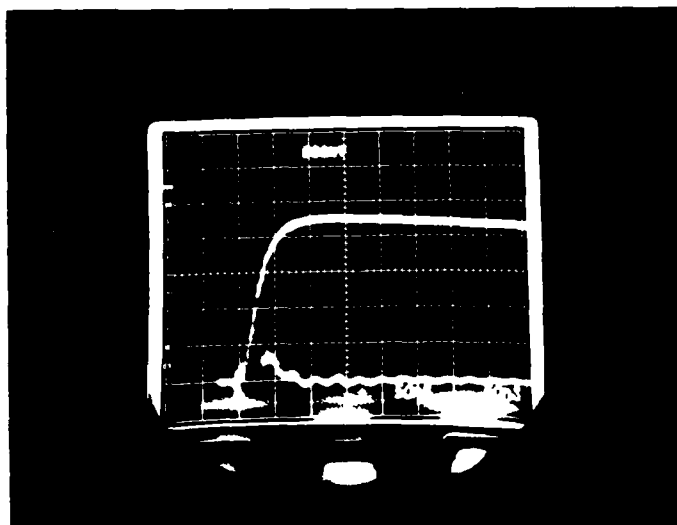
Date	6-7-85
Test Point	78-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1091

DATA @ 105V (100V)

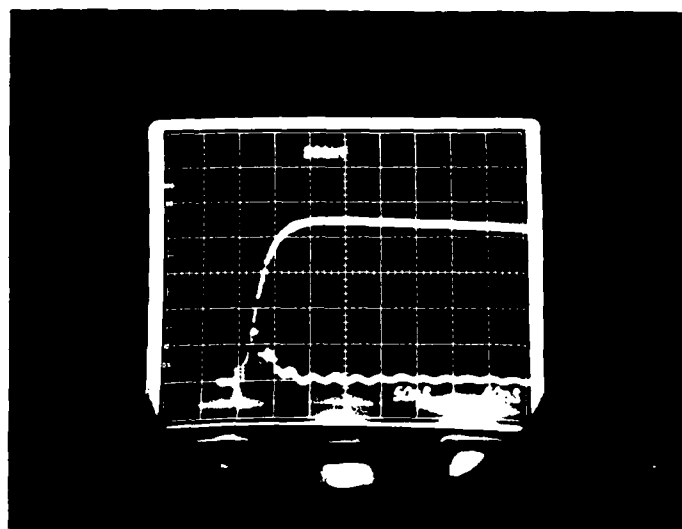
Date	6-7-85
Test Point	78R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



1092

DATA @ 105V (100V)

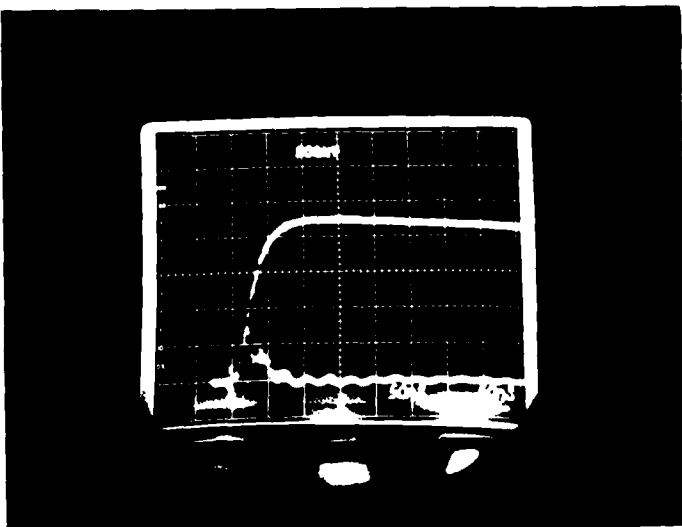
Date	6-7-85
Test Point	78-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000V)-mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1093

DATA @ .05V (100V)

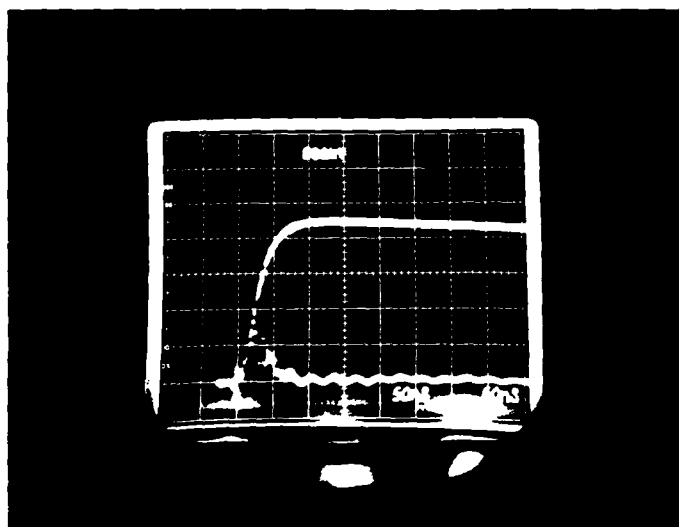
Date	6-7-85
Test Point	78-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000V)mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1094

DATA @ .05V (100V)

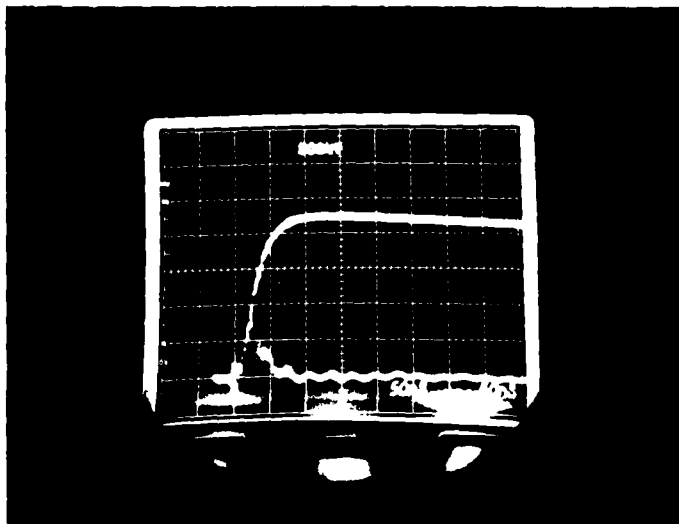
Date	6-7-85
Test Point	78-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1095

DATA @ .05V (100V)-

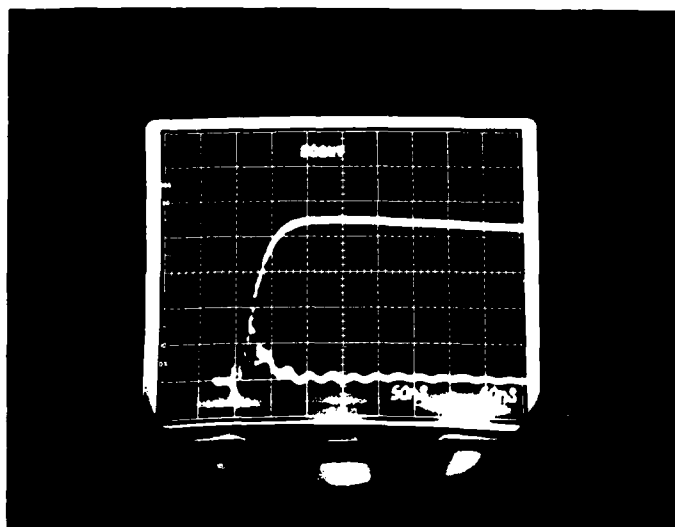
Date	6-7-85
Test Point	78R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1096

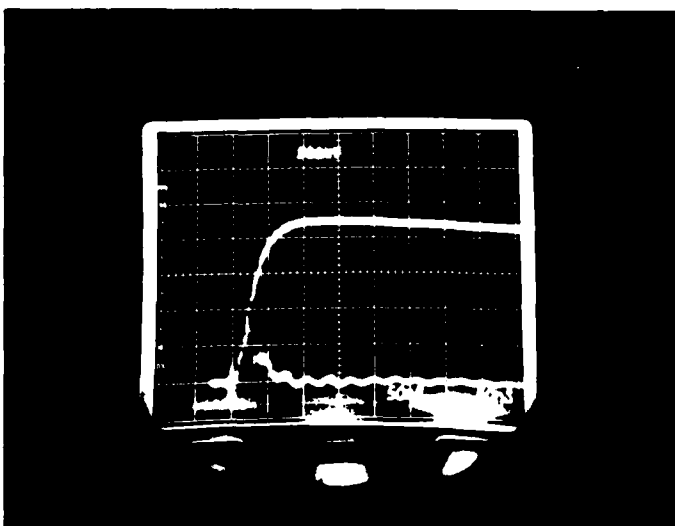
DATA @ .05V (100V)

Date	6-7-85
Test Point	78-CH-110-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Date Link	
Comments:	



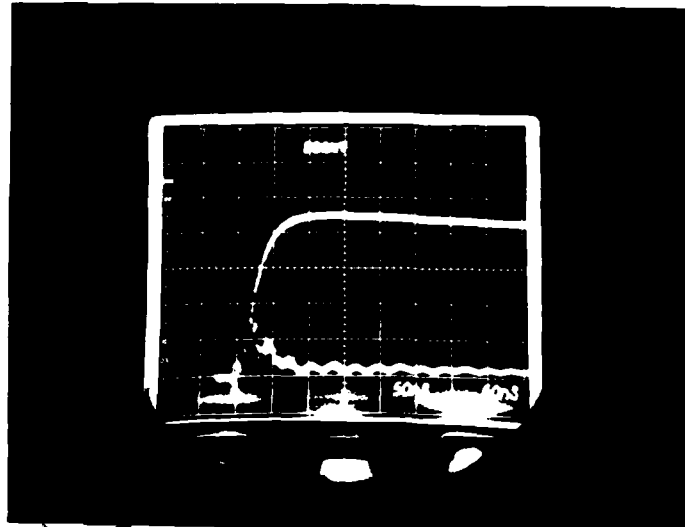
DATA @ .05V (100V)

Date	6-7-85
Test Point	78R-CH-110-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Date Link	
Comments:	



DATA @ .05V (100V) -

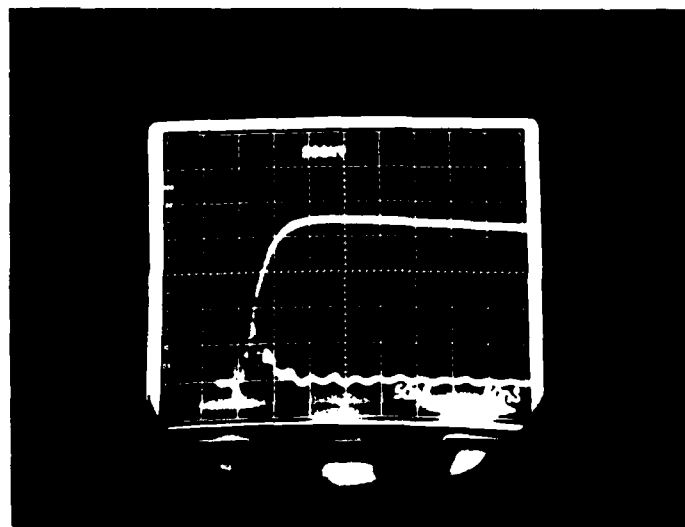
Date	6-7-85
Test Point	81-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1099

DATA @ 105V (100V)

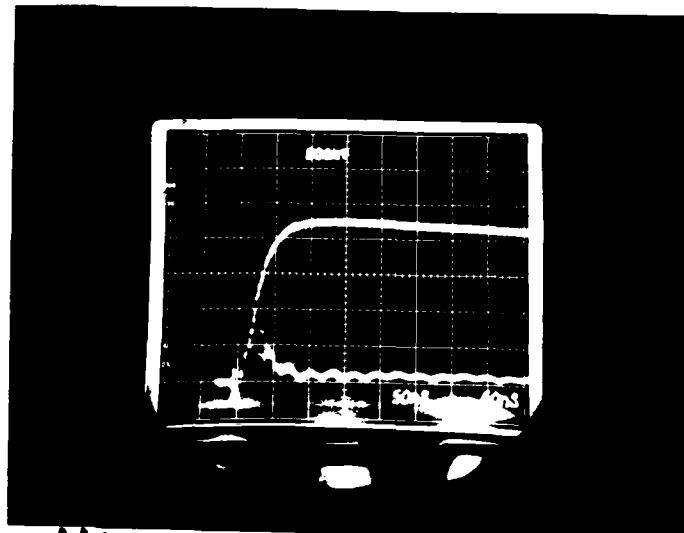
Date	6-7-85
Test Point	81R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1SV (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1100

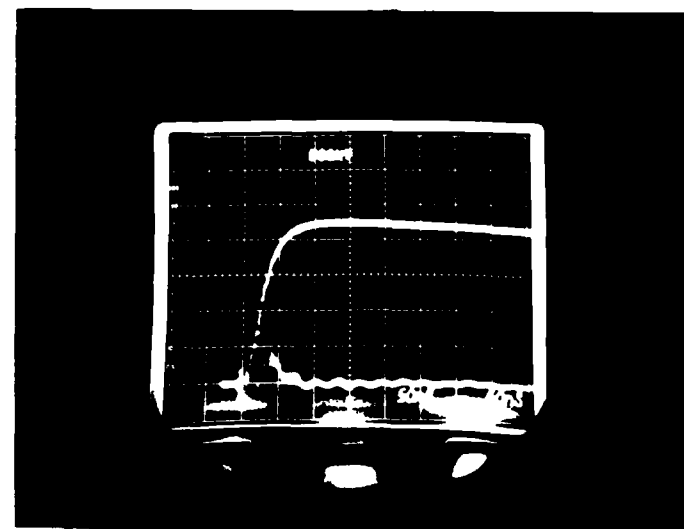
DATA @ 105V (100V)

Date	6-7-85
Test Point	81+CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



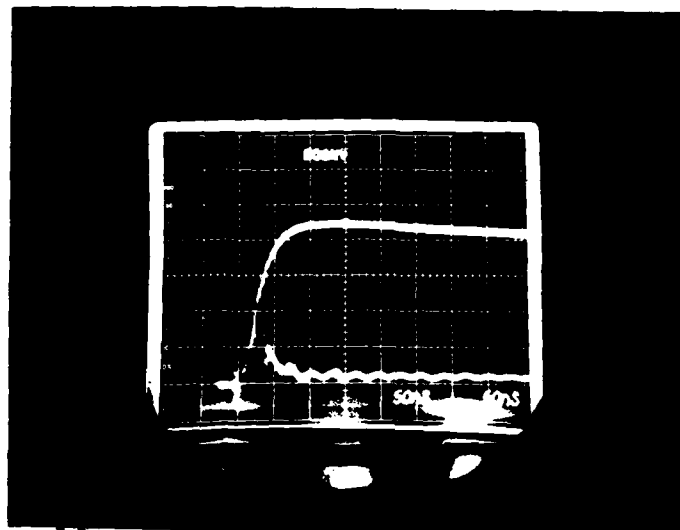
DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



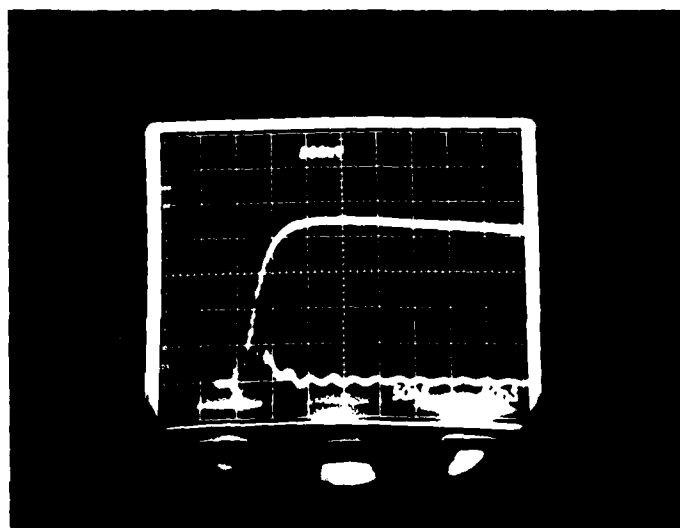
DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



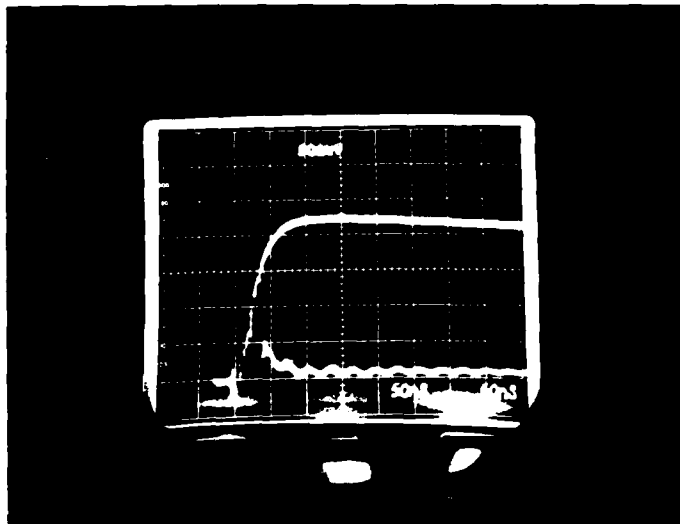
DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



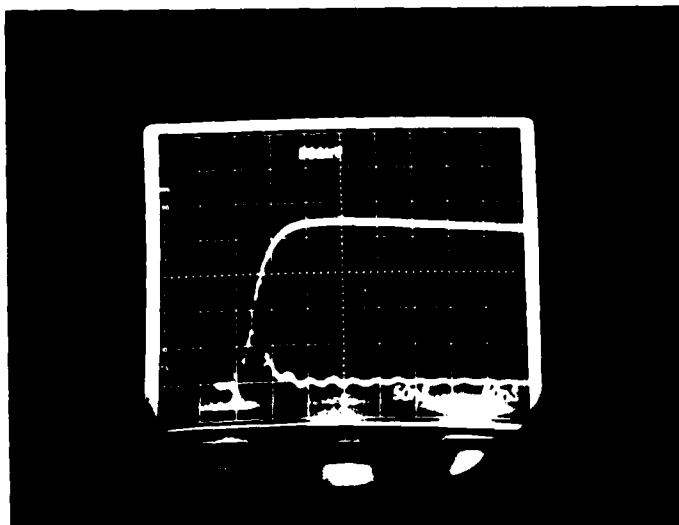
DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



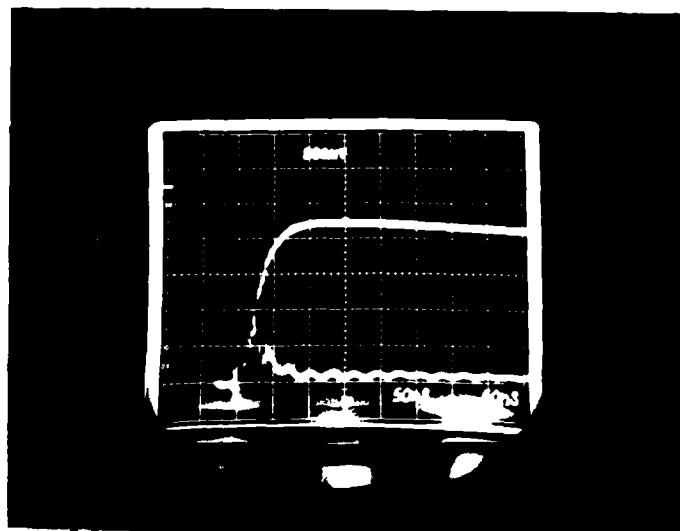
DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



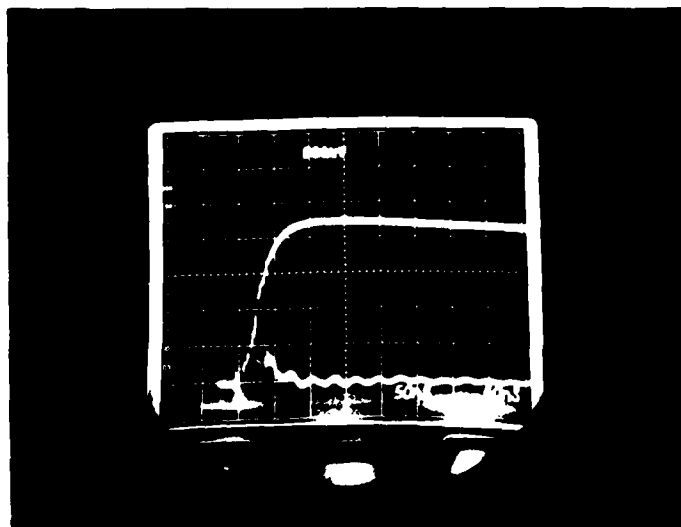
DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



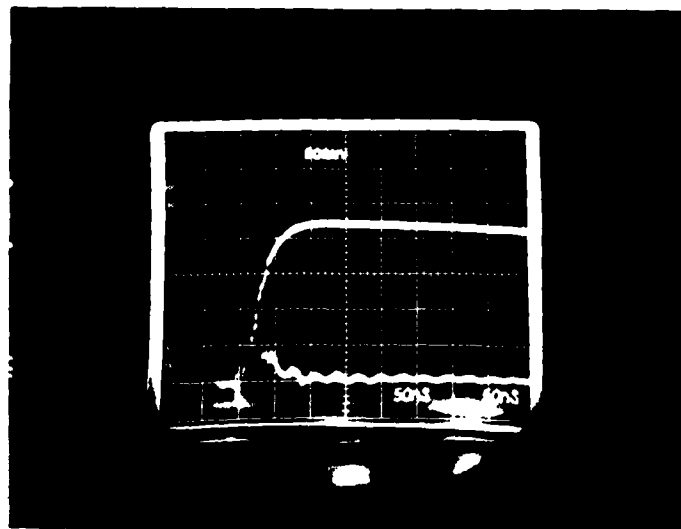
DATA @ 105V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



DATA @ 105V (100V)

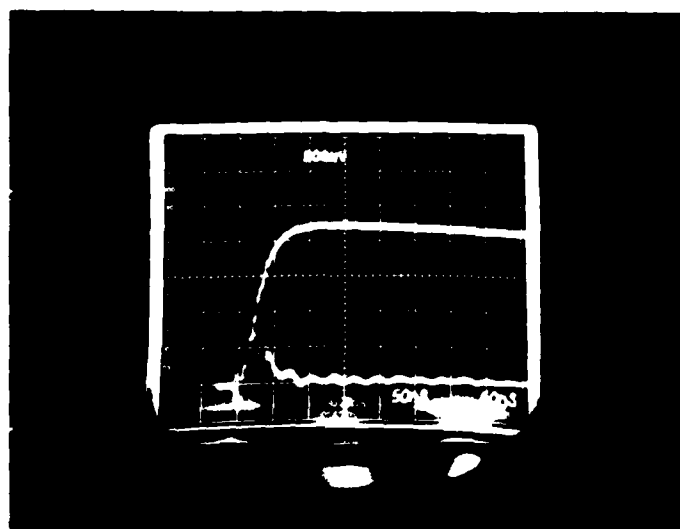
Date 6-10-85
 Test Point 84-CH-1/10-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Date Link
 Comments:



1109

DATA @ -.05V (100V)

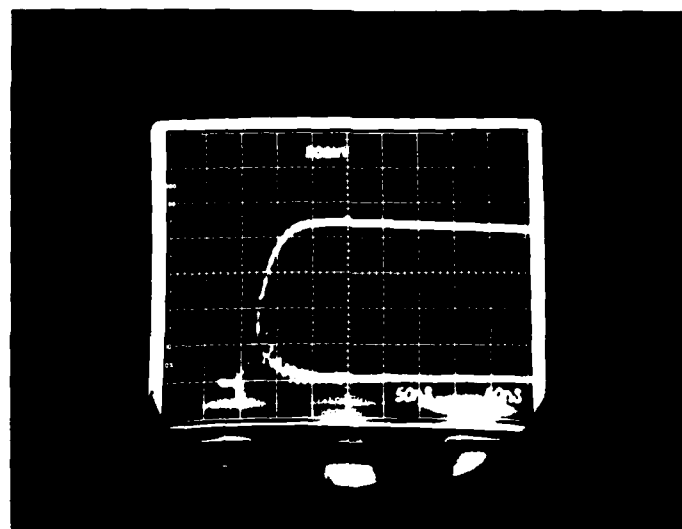
Date 6-10-85
 Test Point 84R-CH-1/10-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Date Link
 Comments:



1110

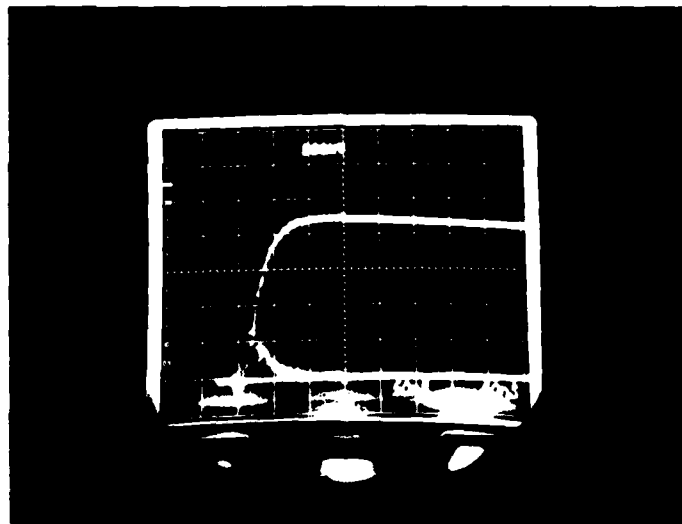
DATA @ .05V (100V)

Date	6-10-85
Test Point	84-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	



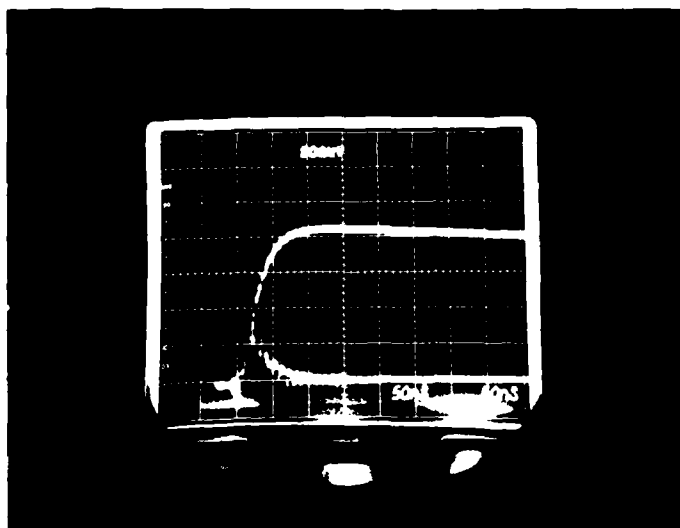
DATA @ .05V (100V)

Date	6-10-85
Test Point	84R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	



DATA @ .05V (100V)

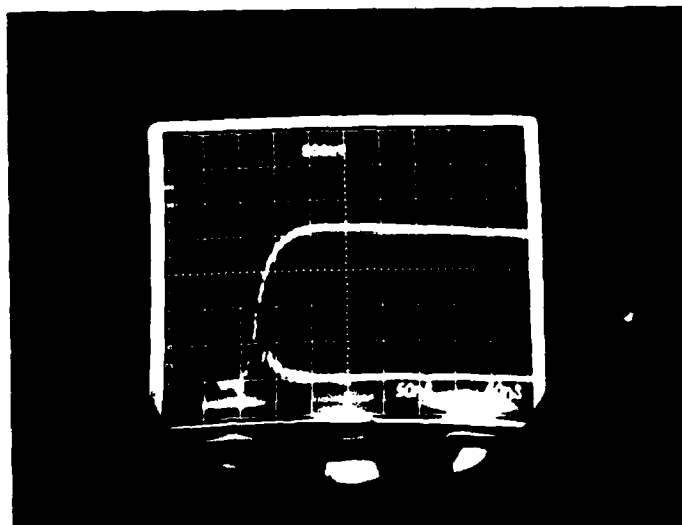
Date	6-10-85
Test Point	84-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1113

DATA @ .05V(100V)

Date	6-10-85
Test Point	84R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



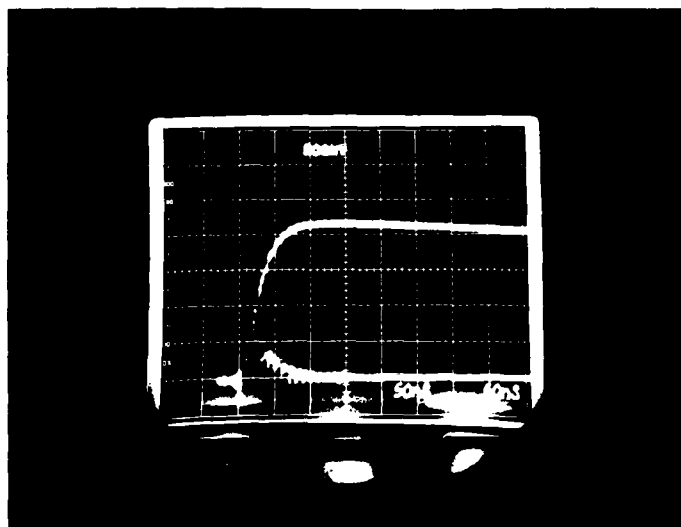
1114

DATA @ .05V(100V)

Date	6-10-85
Test Point	84-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	

Comments:

1115

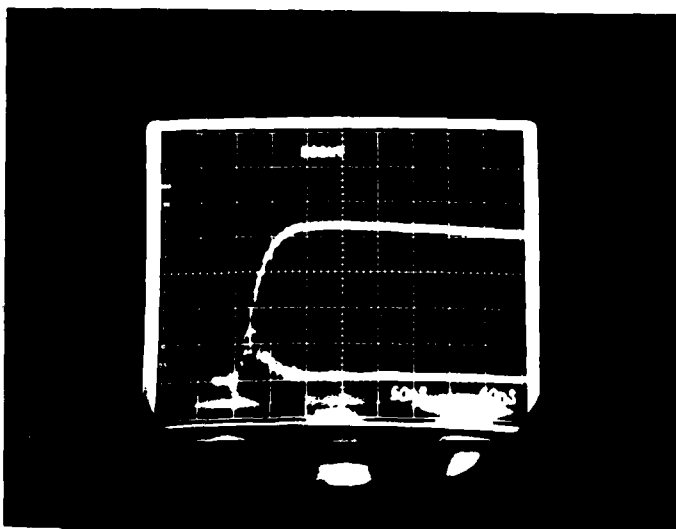


DATA @ .05V(-4500V)

Date	6-10-85
Test Point	84R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	

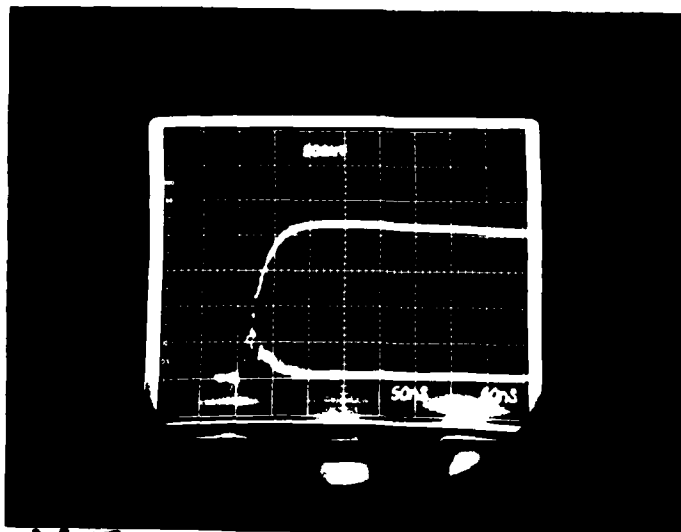
Comments:

1116



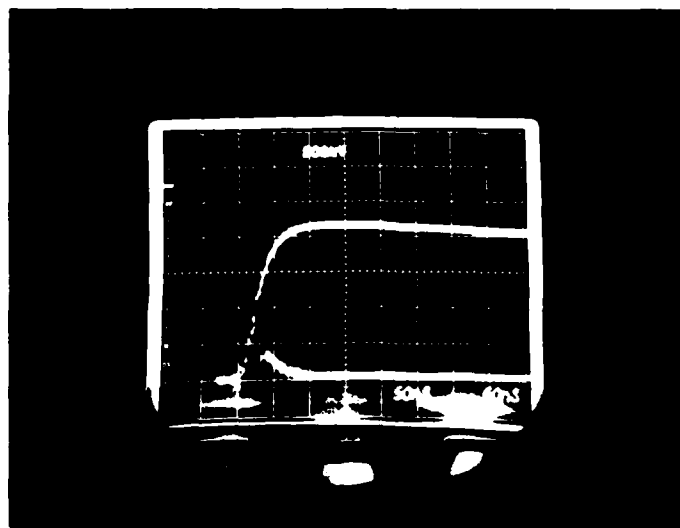
DATA @ .05V(100V)

Date	6-10-85
Test Point	84-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



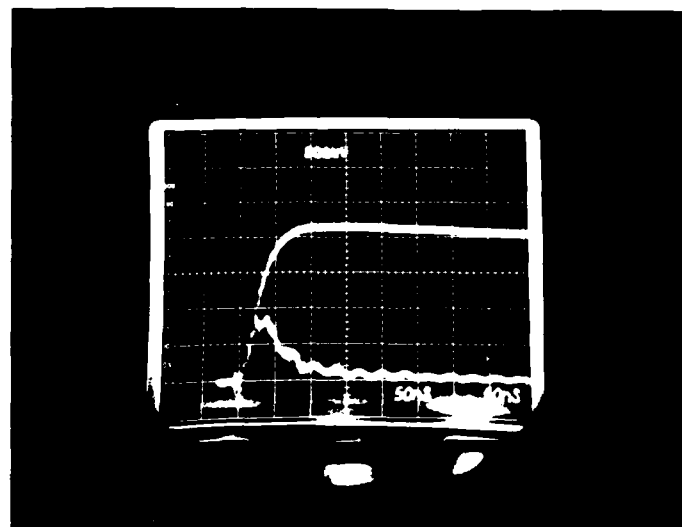
DATA @ .05V (100V)

Date	6-10-85
Test Point	84R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



DATA @ .05V (100V)

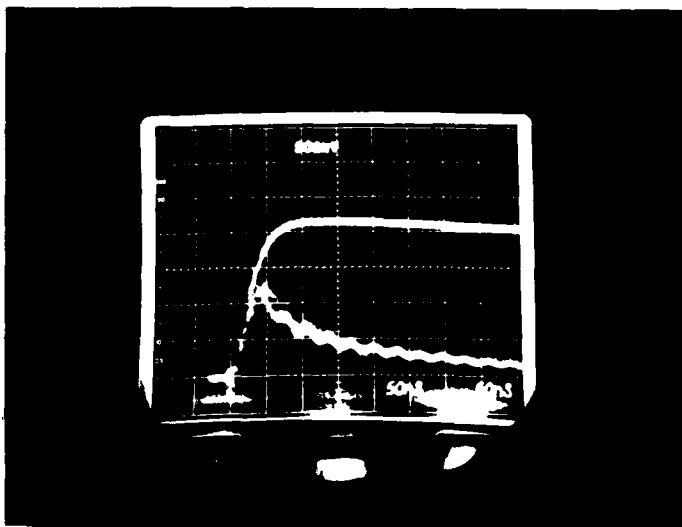
Date	6-10-85
Test Point	87-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1119

DATA @ .05V (100V)

Date	6-10-85
Test Point	87R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

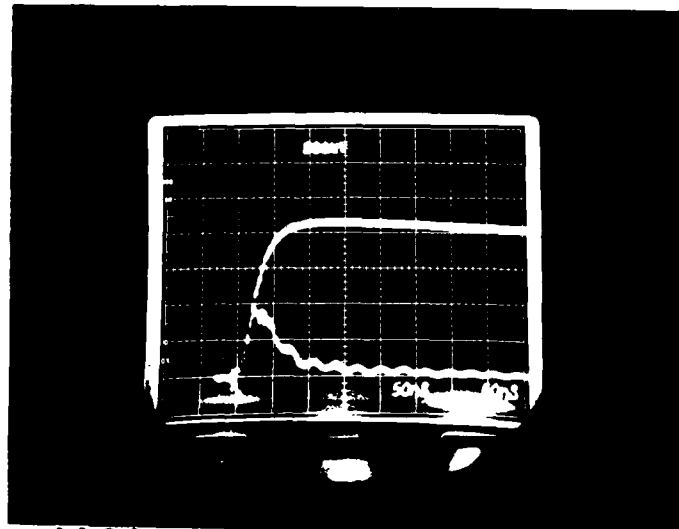


1120

DATA @ .05V (100V)

Date	6-10-85
Test Point	87-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

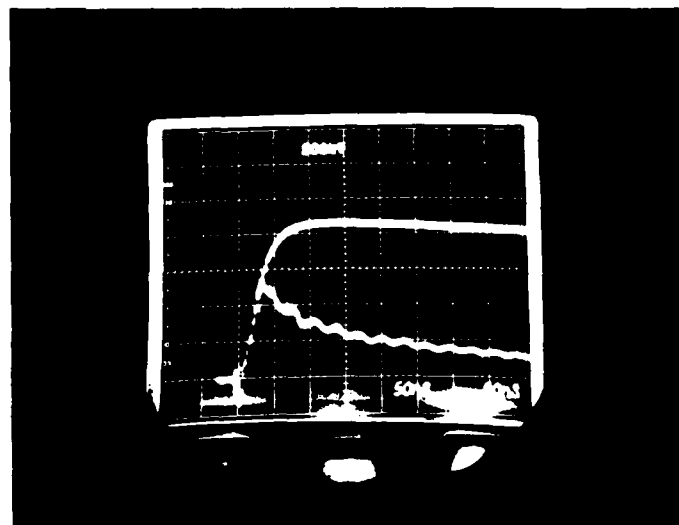
1121



DATA @ .05V(1000V)

Date	6-10-85
Test Point	87R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

1122

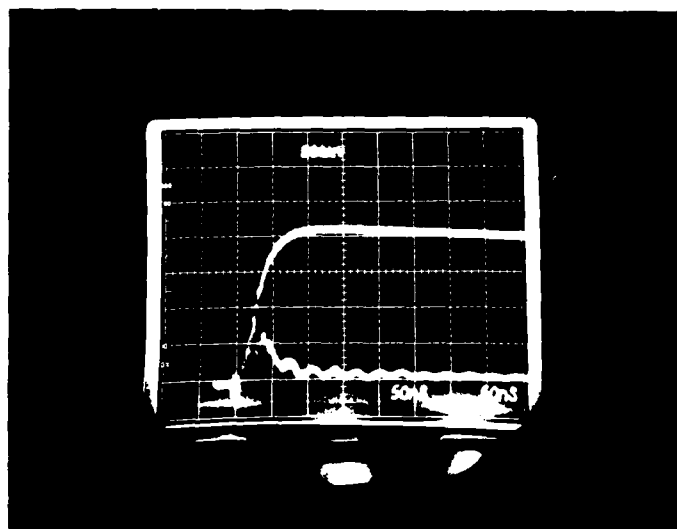


DATA @ .05V(1000V)

Date	6-10-85
Test Point	90-CH-410-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

1123

DATA @ .05V(100V)

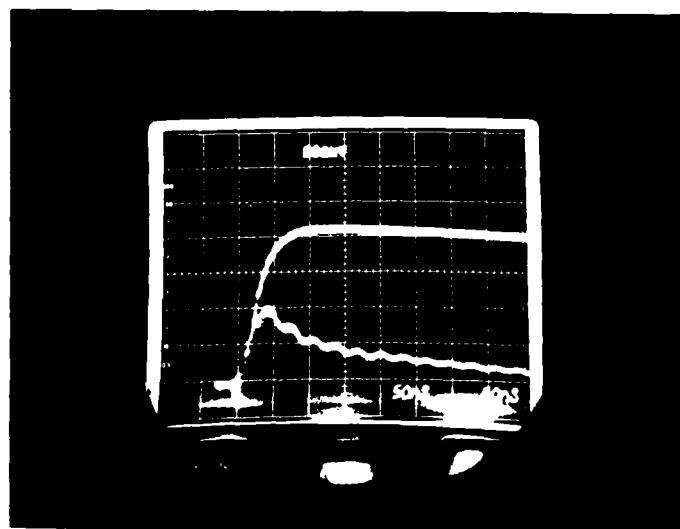


1123

Date	6-10-85
Test Point	90R-CH-410-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

1124

DATA @ .05V(100V)

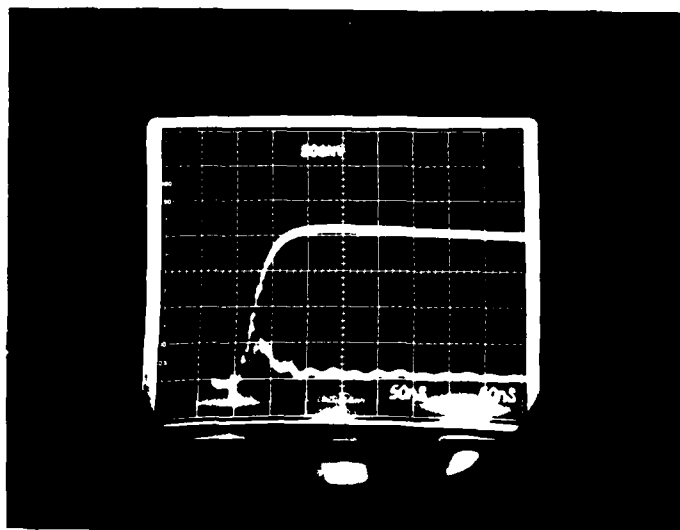


1124

Date	6-10-85
Test Point	90-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments: 1125

DATA @ .05V(100V)-

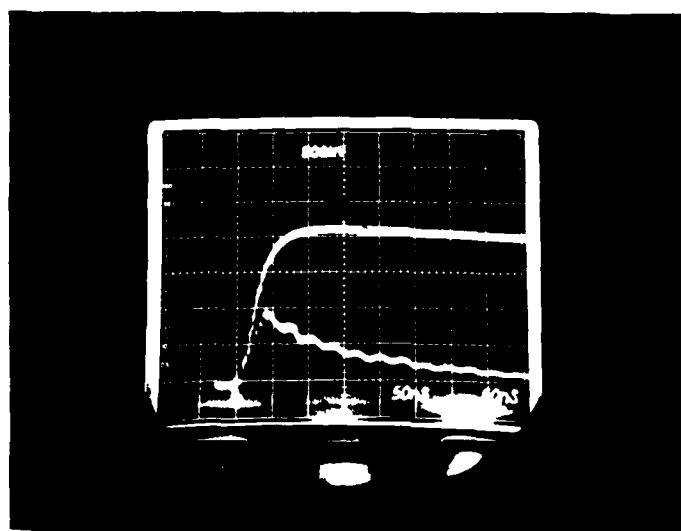


1125

Date	6-10-85
Test Point	90R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments: 1126

DATA @ .05V(100V)



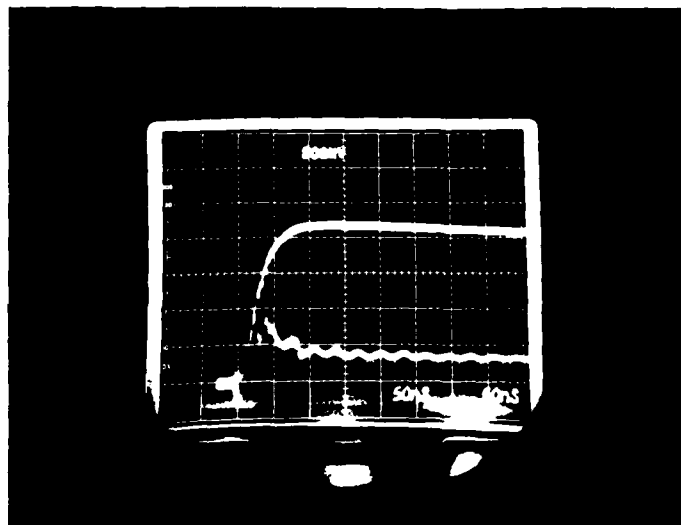
1126

Date 6-10-85
 Test Point 93-CH-1/10-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link

Comments:

1127

DATA @ .05V(100V)



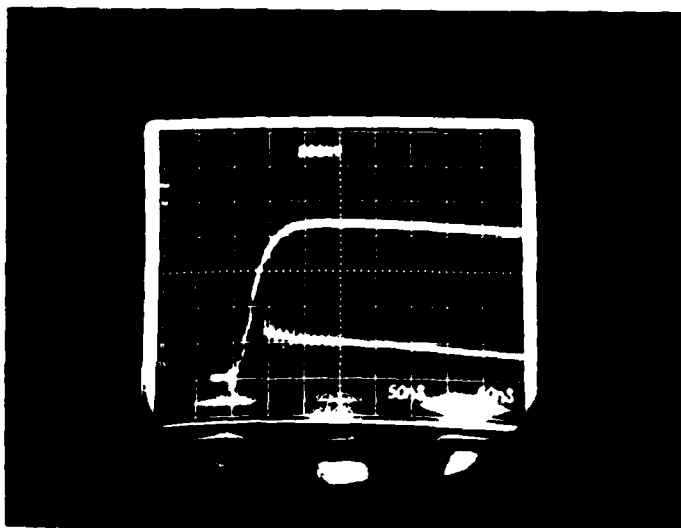
1127

Date 6-10-85
 Test Point 93R-CH-1/10-A
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link

Comments:

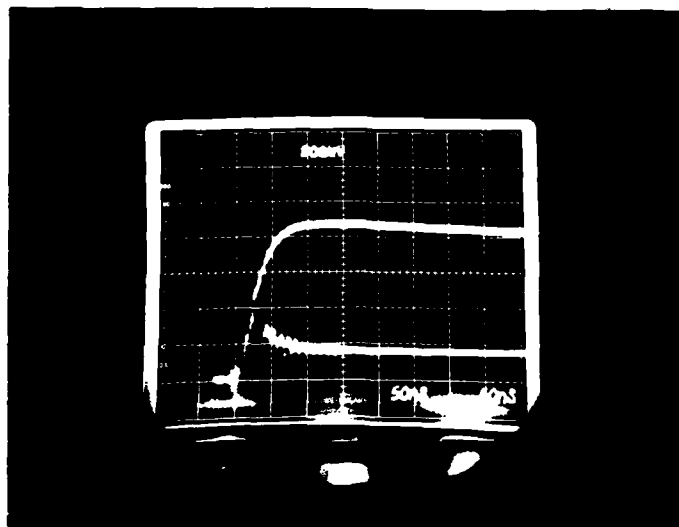
1128

DATA @ .05V(100V)



1128

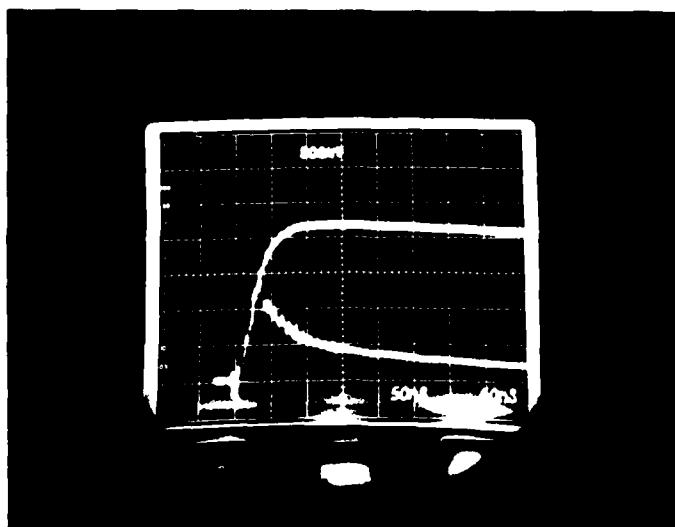
Date	6-10-85
Test Point	93-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1129

DATA @ .05V(100V)

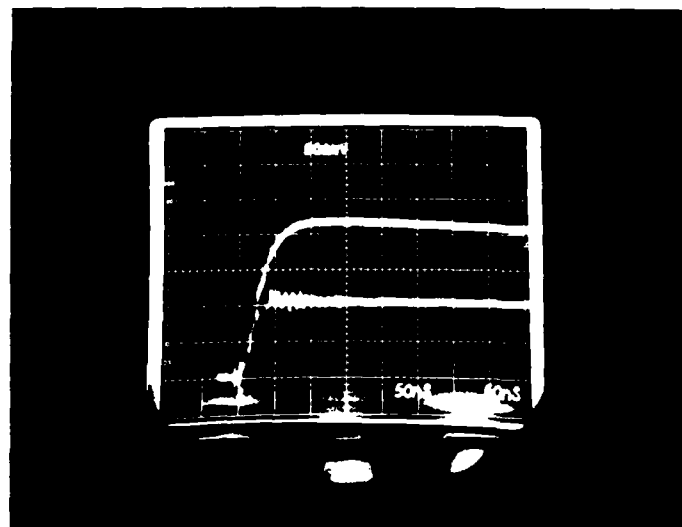
Date	6-10-85
Test Point	93R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1130

DATA @ .05V(100V).

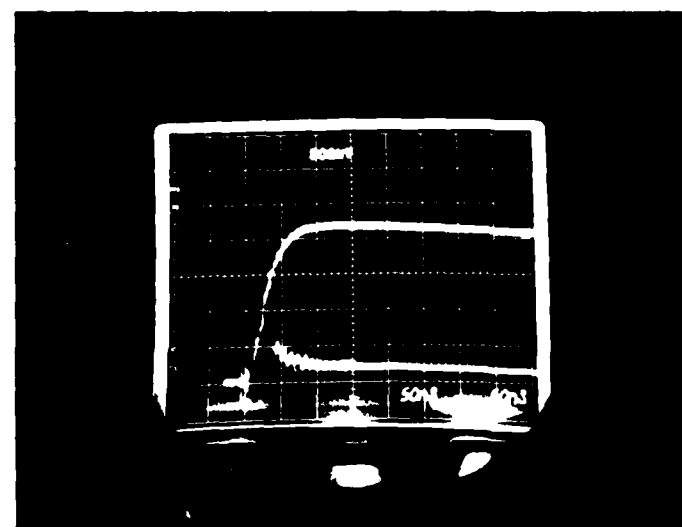
Date	6-10-85
Test Point	99-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1131

DATA @ .05V(100V)

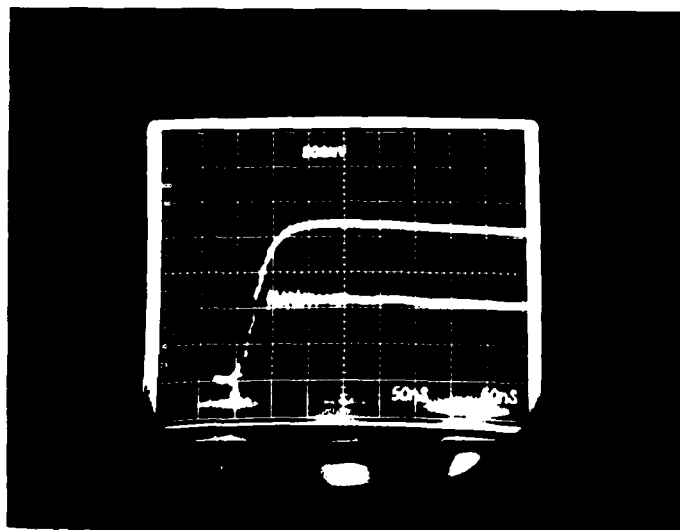
Date	6-10-85
Test Point	99R-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1132

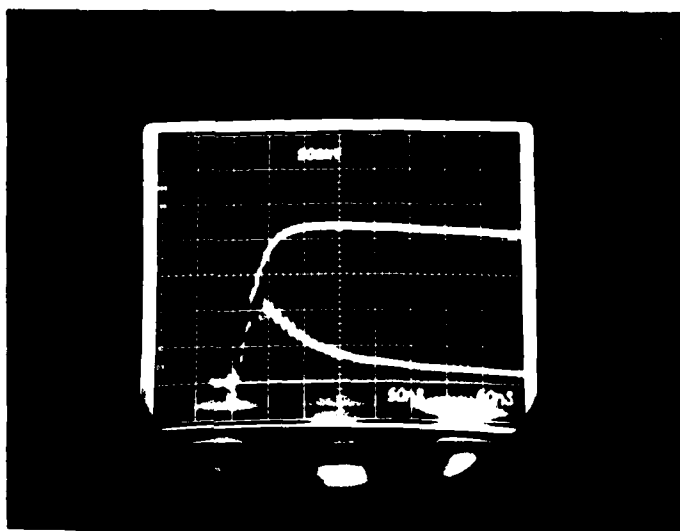
DATA @ .05V(100V)

Date	6-10-85
Test Point	99-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1133



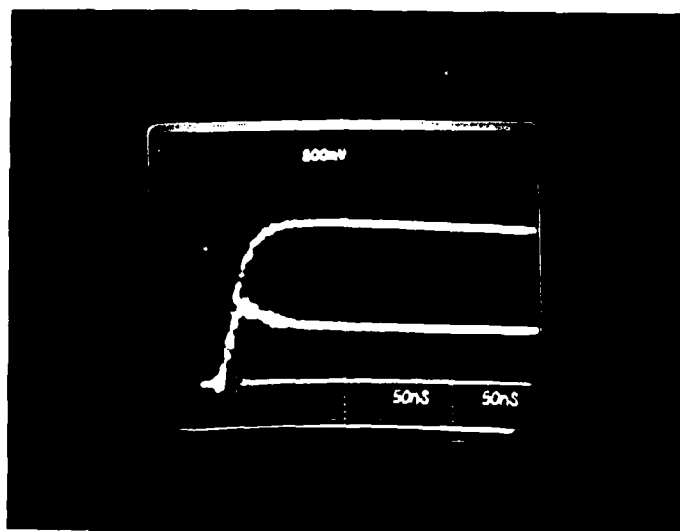
DATA @ .05V (100V)

Date	6-10-85
Test Point	99R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1134



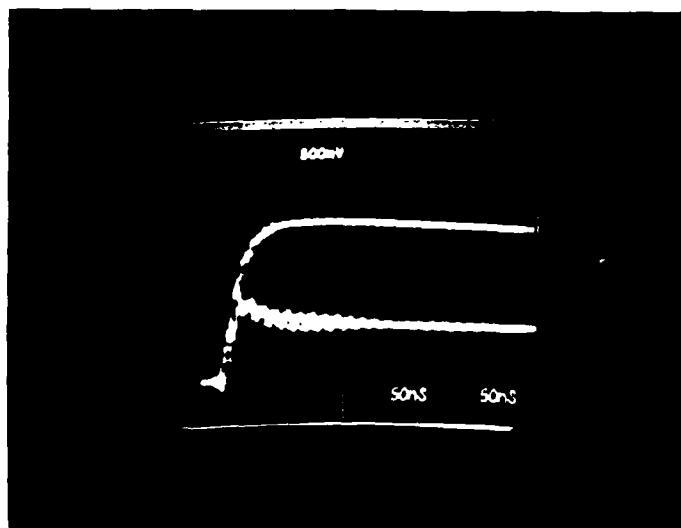
DATA @ .05V (100V)

Date	6-11-85
Test Point	101-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1201



DATA @ .1V(200V)

Date	6-11-85
Test Point	101R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	12

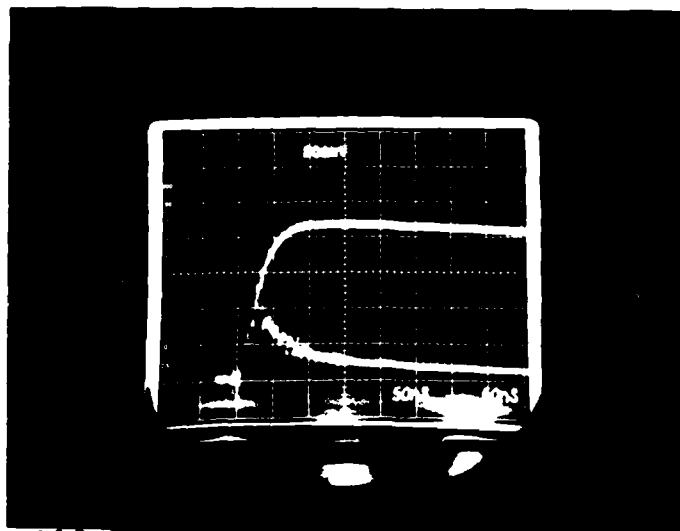


DATA @ .1V(200V)

Date	6-10-85
Test Point	102-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

1135

DATA @ 105V(100V)

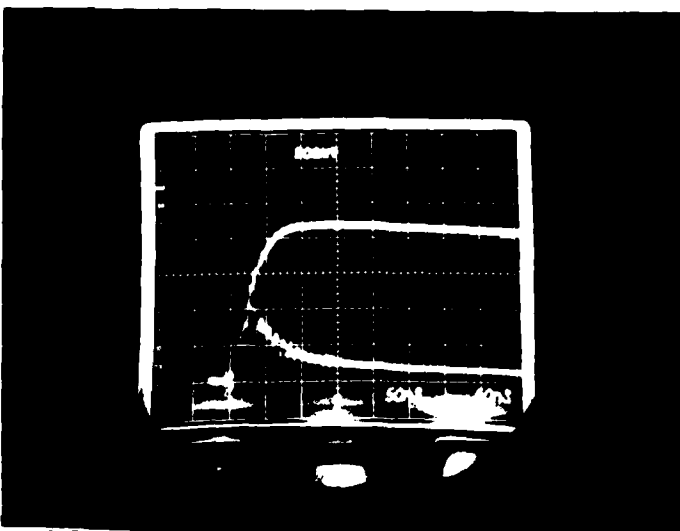


1135

Date	6-10-85
Test Point	102R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

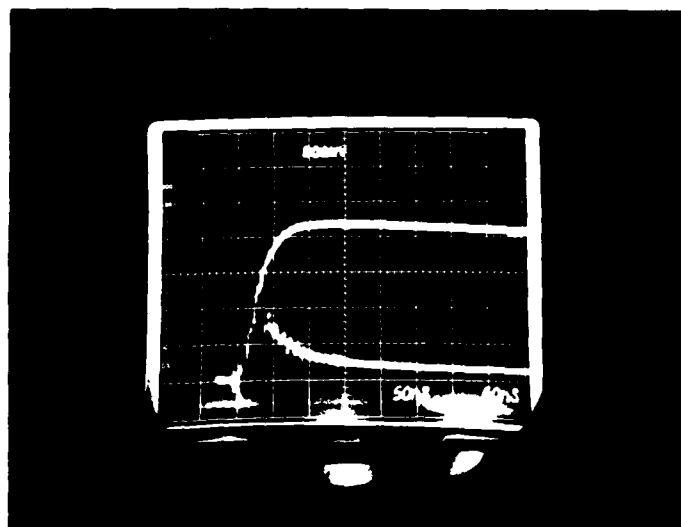
1136

DATA @ 105V(100V)



1136

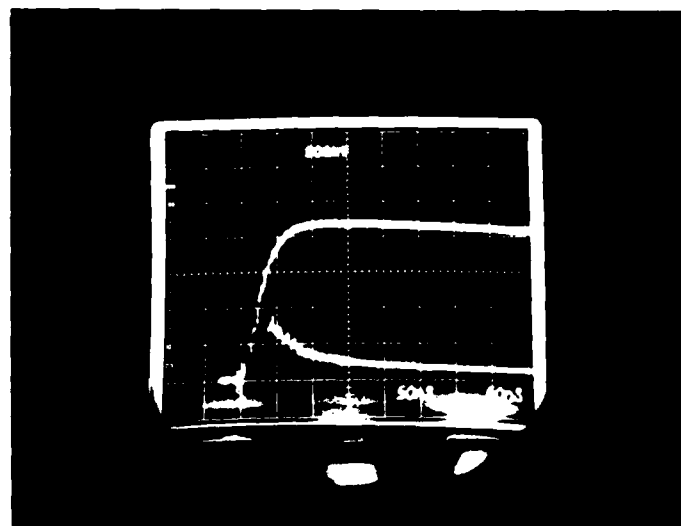
Date	6-10-85
Test Point	102-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1137

DATA @ .05V(100V)

Date	6-10-85
Test Point	102R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



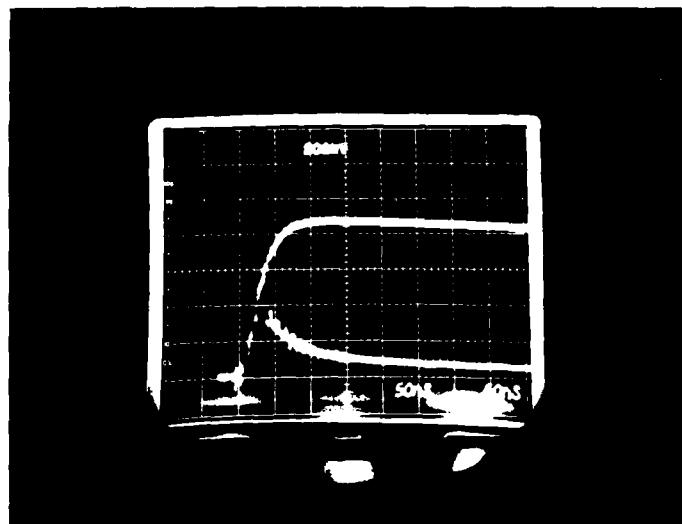
1138

DATA @ .05V(100V)

Date 6-10-85
 Test Point 102-CH-1/10-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:

1137

DATA @ 105V(100V)

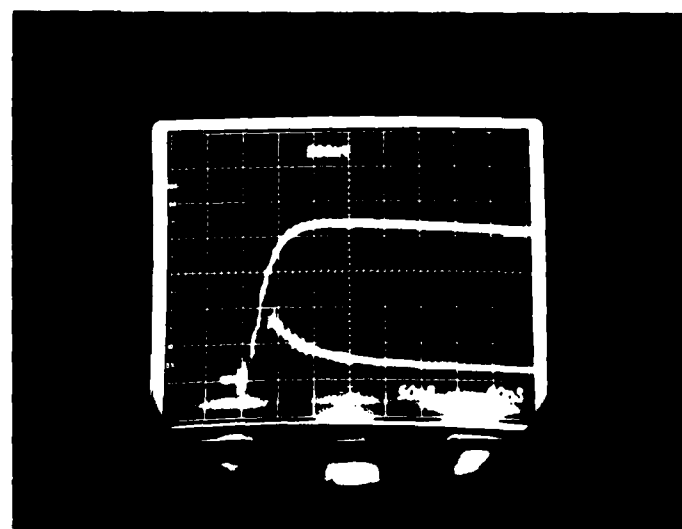


1139

Date 6-10-85
 Test Point 102R-CH-1/10-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:

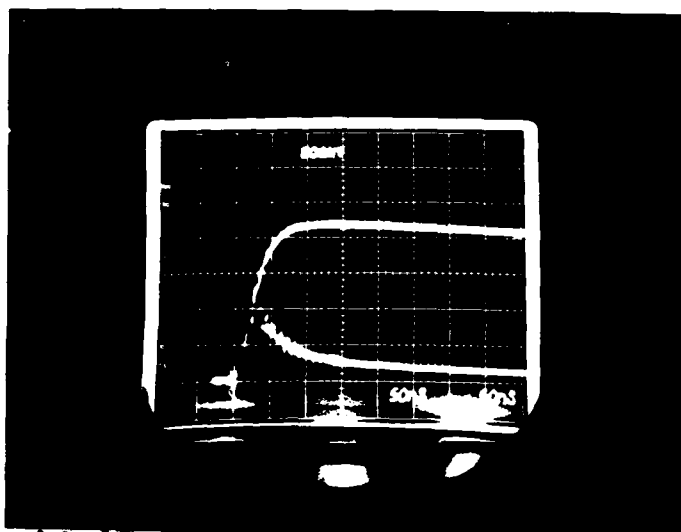
1140

DATA @ 105V(100V)



1140

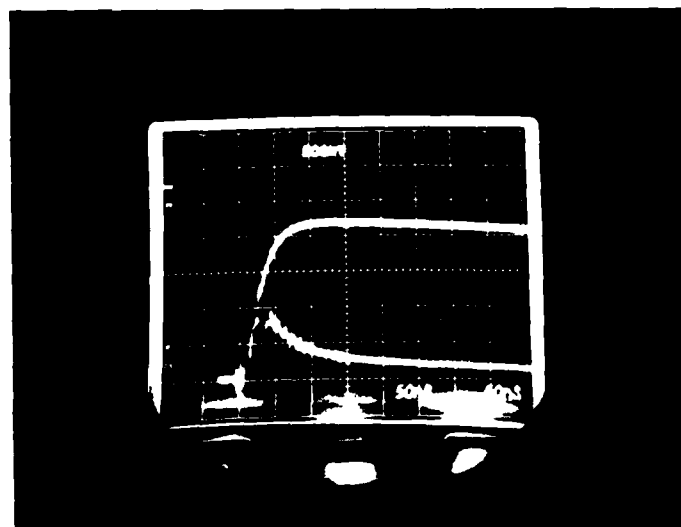
Date 6-10-85
 Test Point 102-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



1141

.DATA @ .05V(100V)

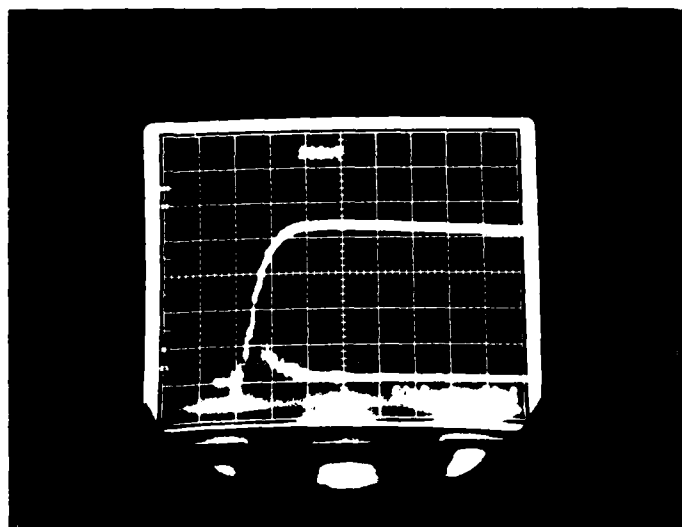
Date 6-10-85
 Test Point 102R-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



1142

.DATA @ .05V(100V)

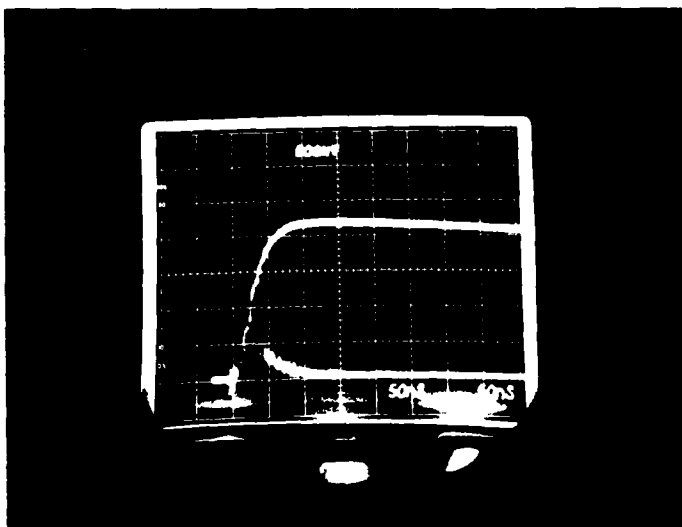
Date	6-10-85
Test Point	104-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	
Comments:	



1143

DATA @ .05V (100V)

Date	6-10-85
Test Point	104R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	
Comments:	



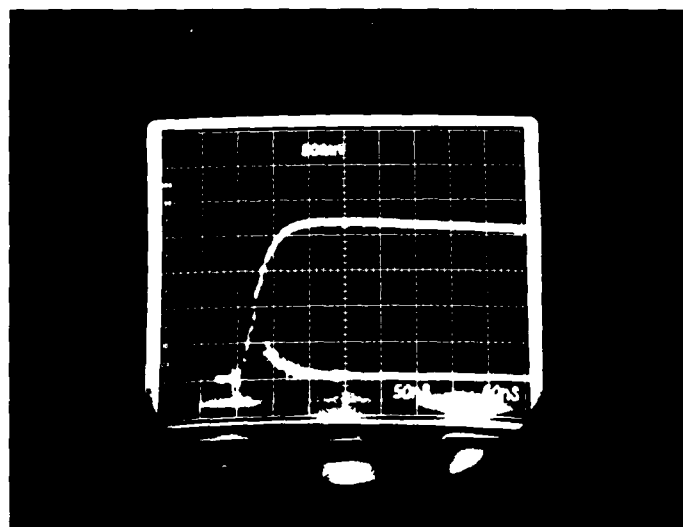
1144

DATA @ .05V (100V)

Date	6-10-85
Test Point	104-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	

1145

DATA @ .05V (100V)

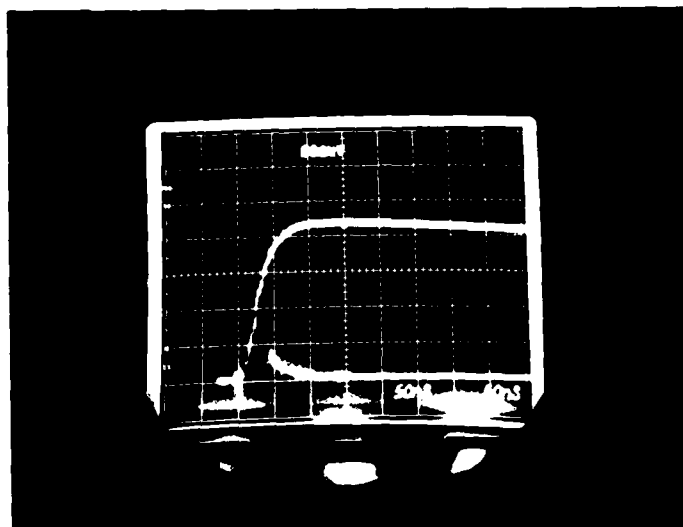


1145

Date	6-10-85
Test Point	104R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	

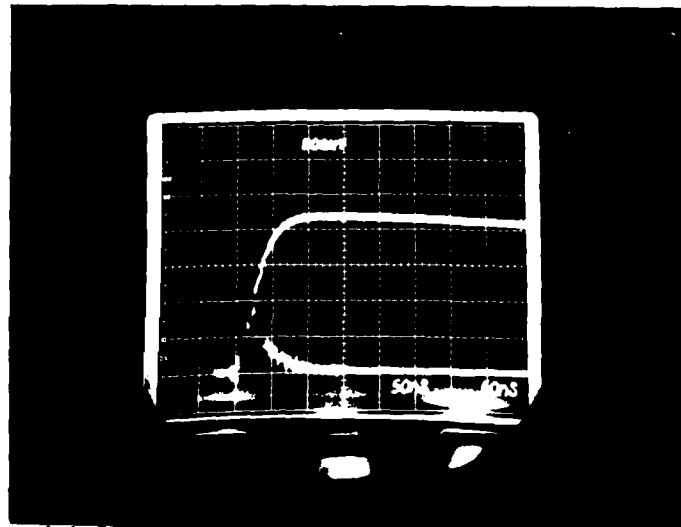
1146

DATA @ .05V (100V)



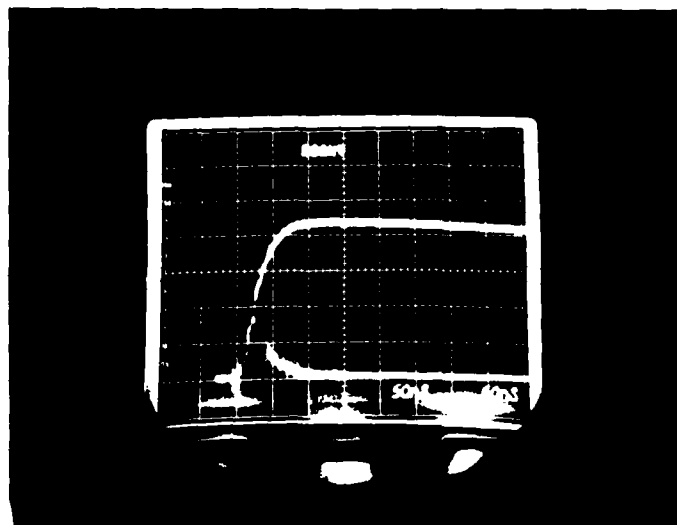
1146

Date 6-10-85
 Test Point 104-CH-110-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments:



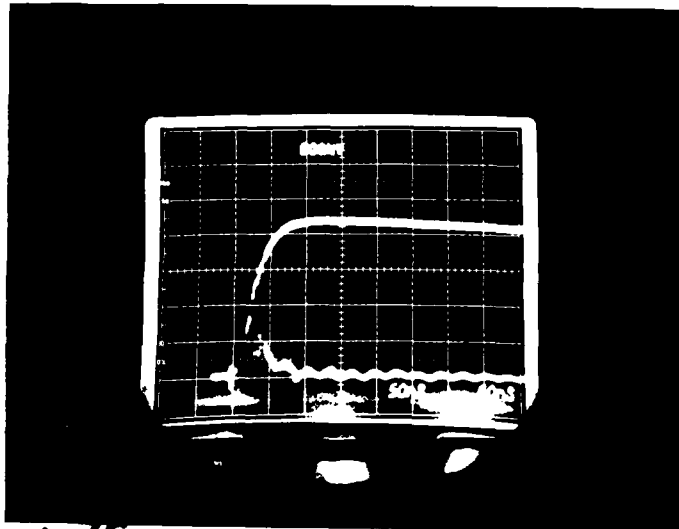
DATA @ .05V(100V)

Date 6-10-85
 Test Point 104R-CH-110-C
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments:



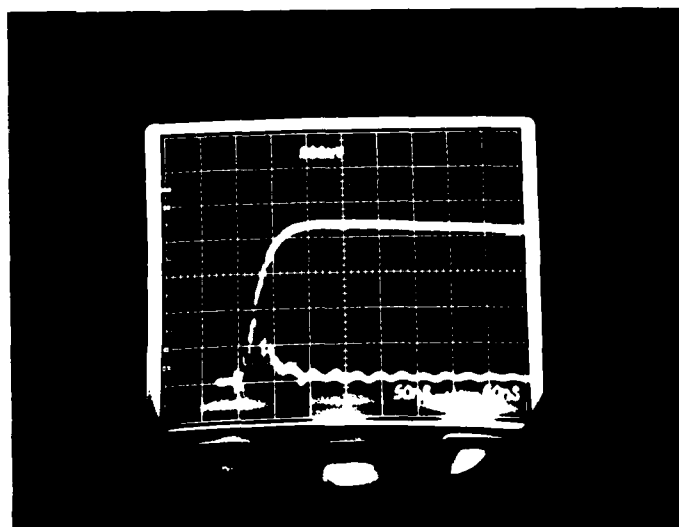
DATA @ .05V(100V)

Date	6-10-85
Test Point	104-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05V (100V)

Date	6-10-85
Test Point	104R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



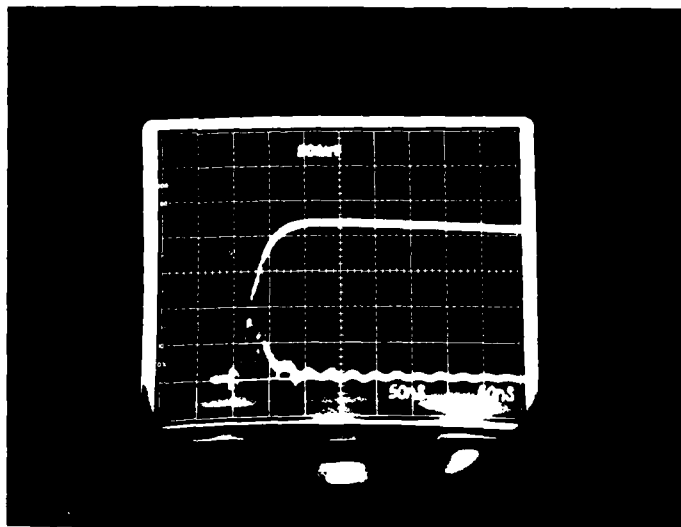
DATA @ .05V (100V)

Date 6-10-85
 Test Point 104-CH-1/10-E
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link

Comments:

1151

DATA @ .05V (100V)

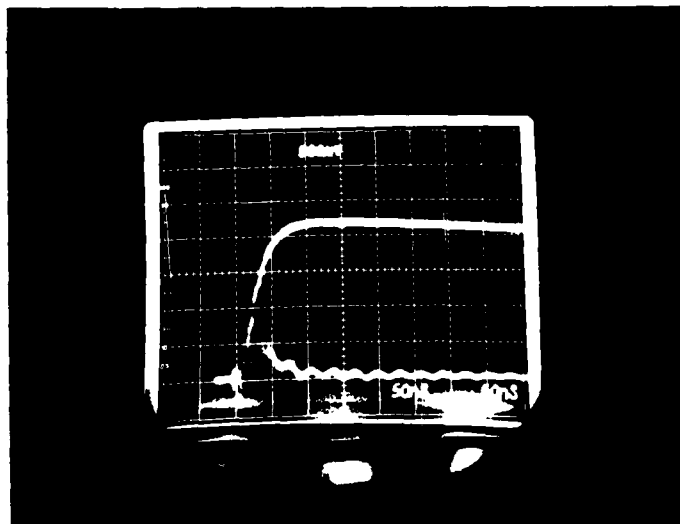


Date 6-10-85
 Test Point 104R-CH-1/10-E
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link

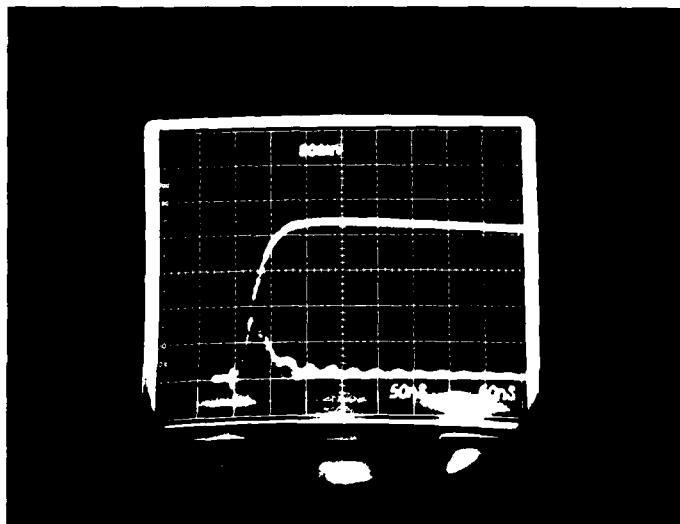
Comments:

1152

DATA @ .05V (100V)



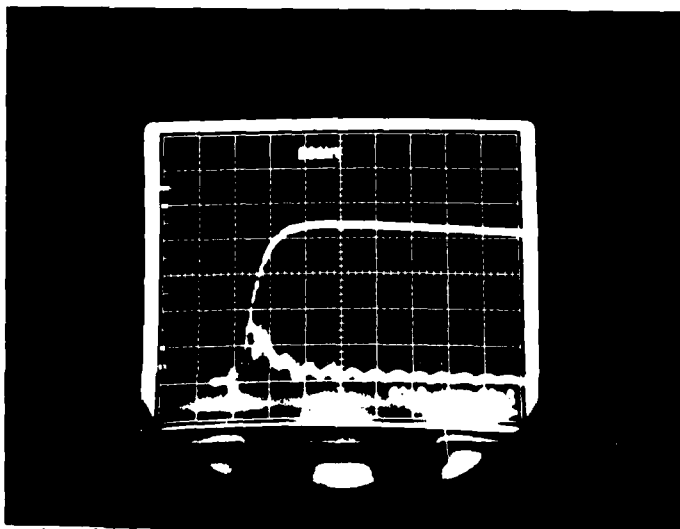
Date	6-10-85
Test Point	107-LH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1153

DATA @ .05V(100V)

Date	6-10-85
Test Point	107R-LH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1154

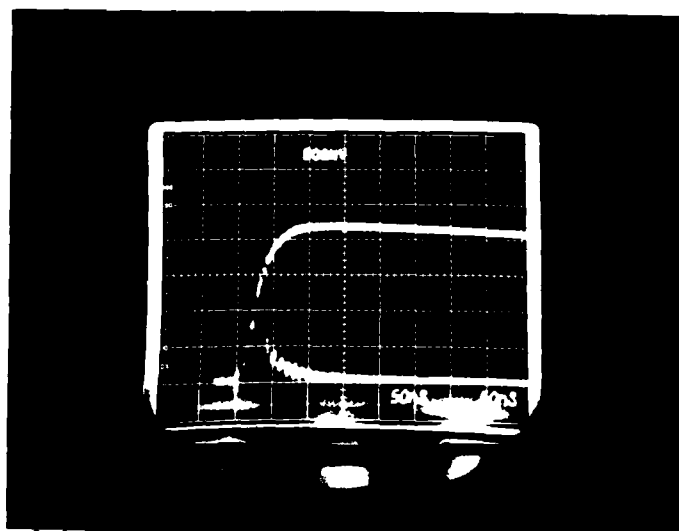
DATA @ .05V(100V)

Date	6-10-85
Test Point	107-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Date Link	

Comments:

1155

DATA @ 105V(100V)



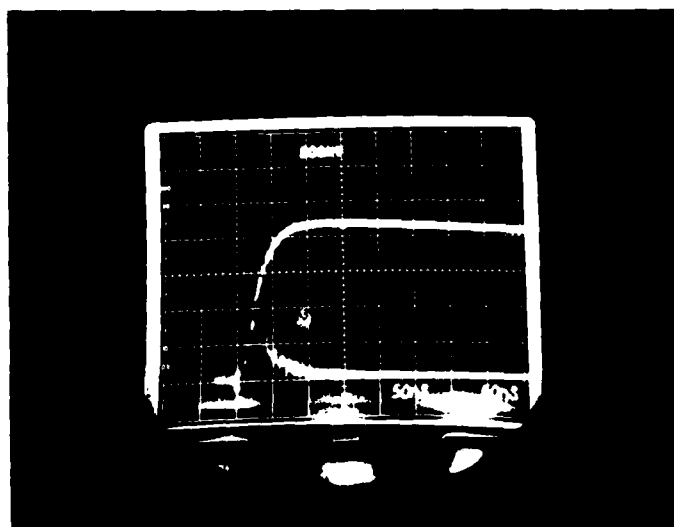
1155

Date	6-10-85
Test Point	107R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Date Link	

Comments:

1156

DATA @ 105V(100V)



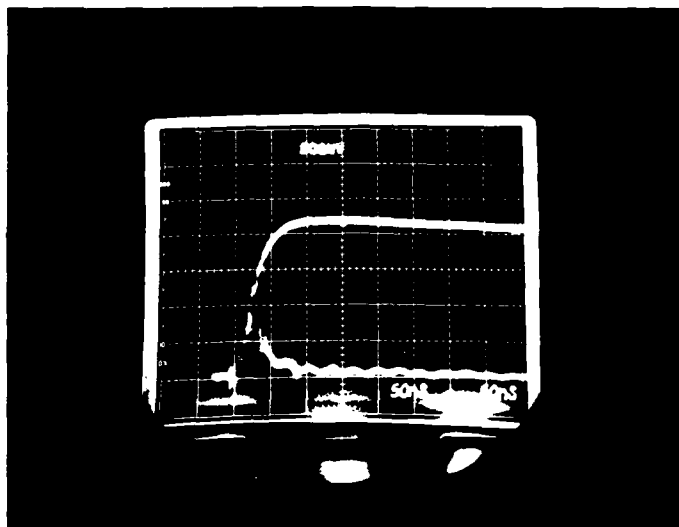
1156

Date	6-10-85
Test Point	107-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

1157

DATA @ 105V (100V)



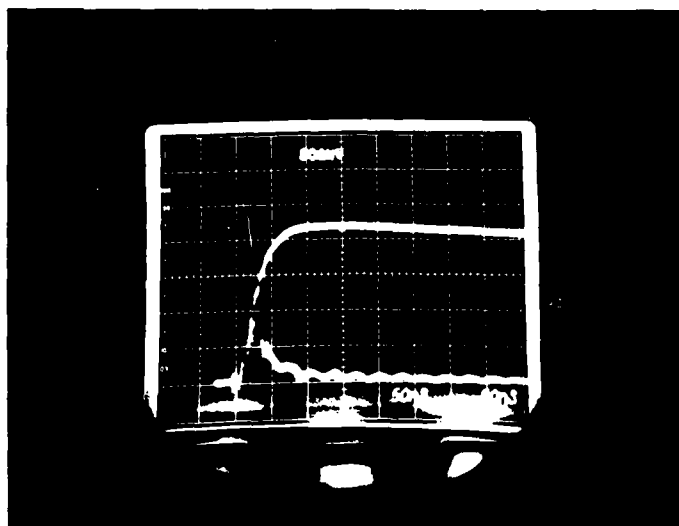
1157

Date	6-10-85
Test Point	107R-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:

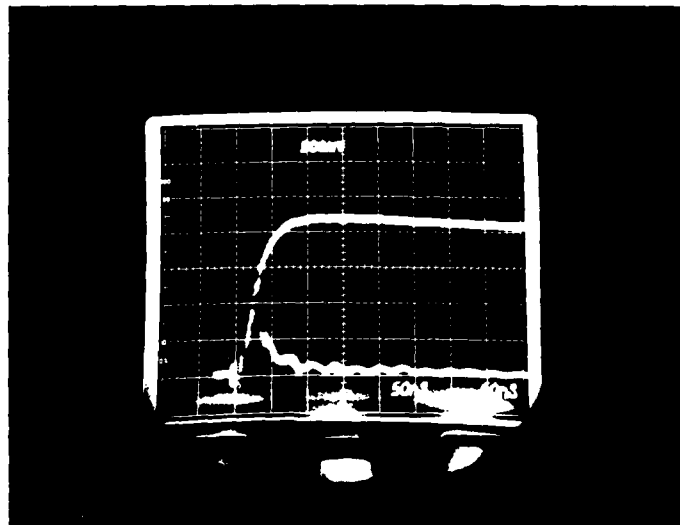
1158

DATA @ 105V (100V)



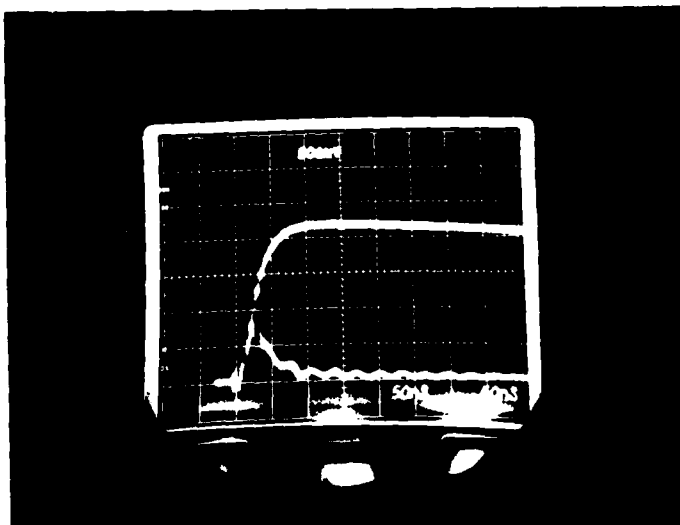
1158

Date 6-10-85
 Test Point 107-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 1.5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link
 Comments: 1159



DATA @ 1.05V (100V)

Date 6-10-85
 Test Point 107R-CH-1/10-D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical 1.5V (1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link
 Comments: 1160

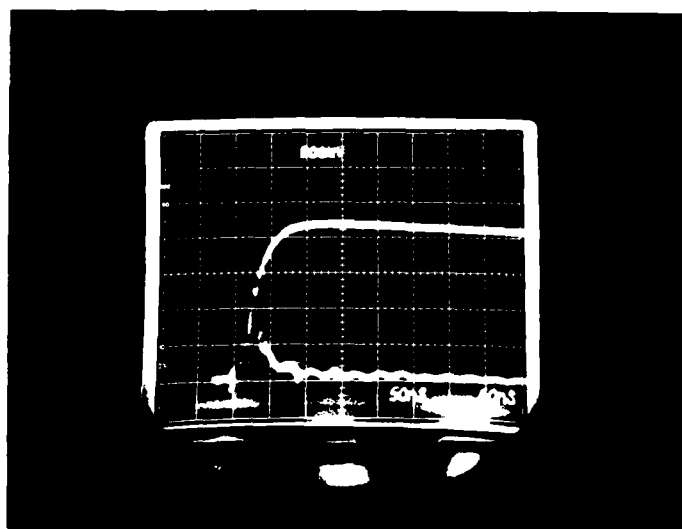


DATA @ 1.05V (100V)

Date	6-10-85
Test Point	107-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

1161

DATA @ .05V(100V)

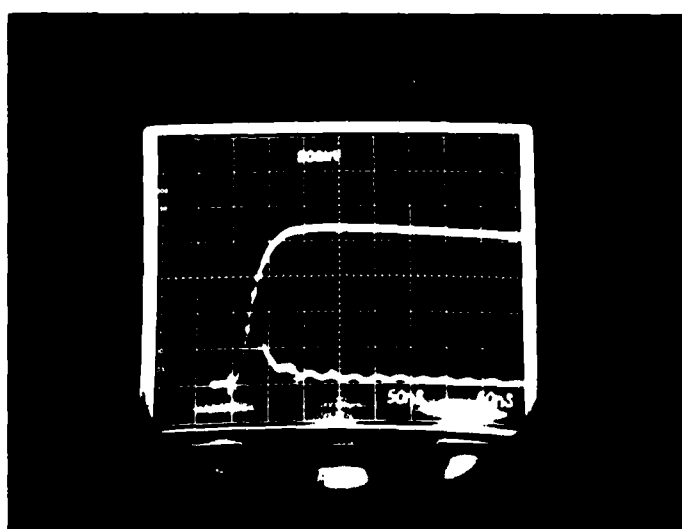


1161

Date	6-10-85
Test Point	107R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

1162

DATA @ .05V(100V)



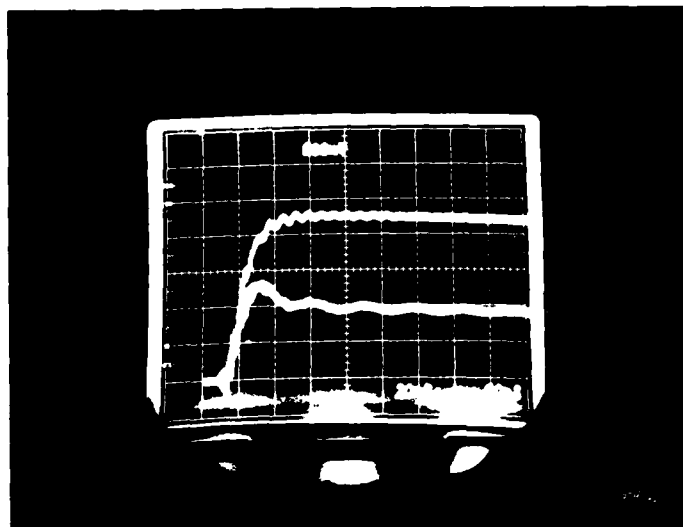
1162

Date	6-11-85
Test Point	109-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments: 1217

"COMMON" LEAD

DATA @ .1V(200V)



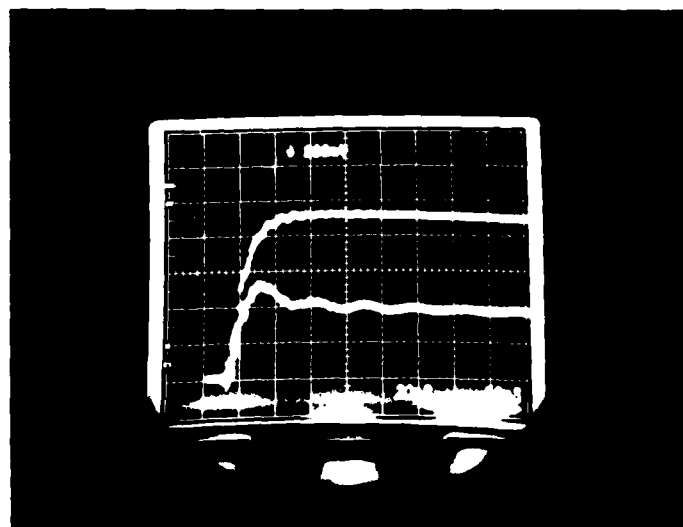
1217

Date	6-11-85
Test Point	109R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments: 1218

COMMON LEAD

DATA @ .1(200V)



1218

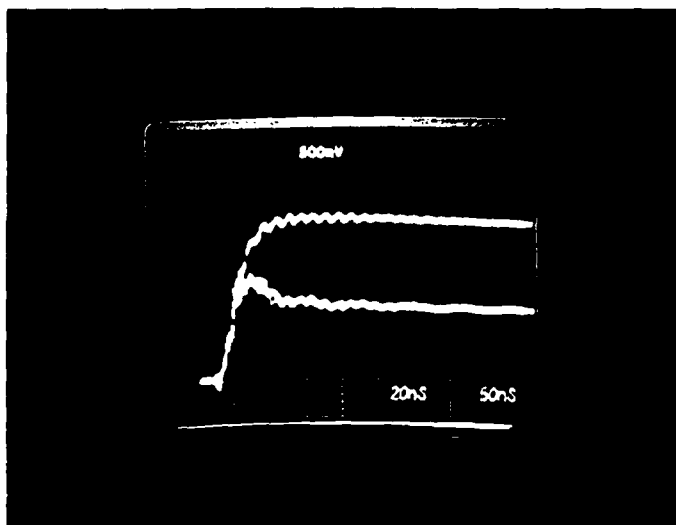
Date 6-11-85
 Test Point 109-CH-1/10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulse Level +4500V
 Data Link

Comments:

~~"COMMON" LEAD~~

"HOT"

DATA @ .1 (200V)



1212

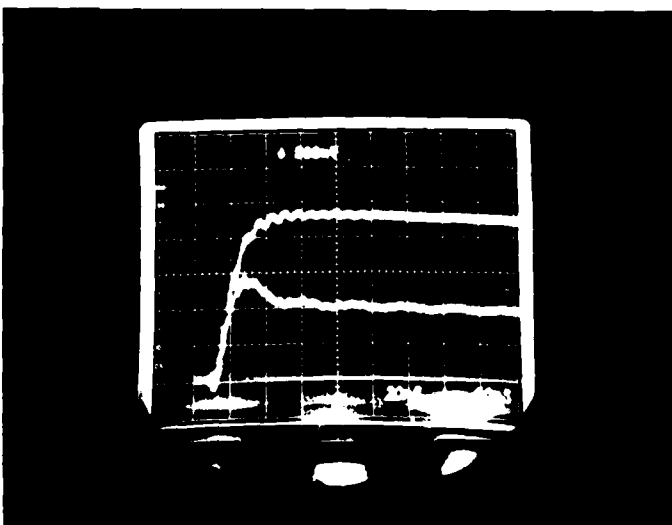
Date 6-11-85
 Test Point 109R-CH-1/10-φ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulse Level -4500V
 Data Link

Comments:

~~"COMMON" LEAD~~

HOT

DATA @ .1 (200V)



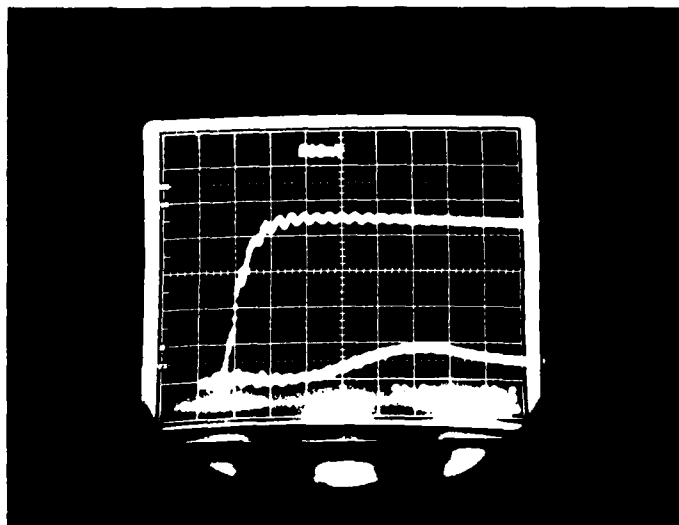
1213

Date 6-11-85
 Test Point 110-CH-1/10- ϕ
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level +4500V
 Data Link

Comments: 1214

HOT LEAD

DATA @ .5V(1000V)



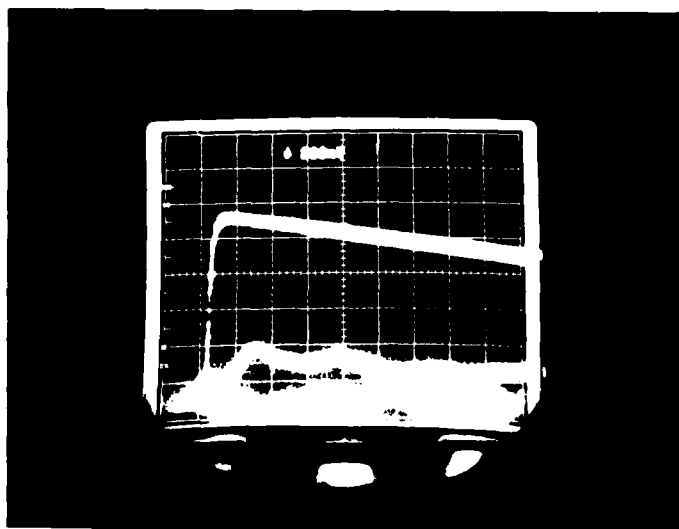
1214

Date 6-11-85
 Test Point 110R-CH-1/10- ϕ
 Amplification dB
 Attenuation 20 dB
 Horizontal 20 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulsar Level -4500V
 Data Link

Comments: 1216

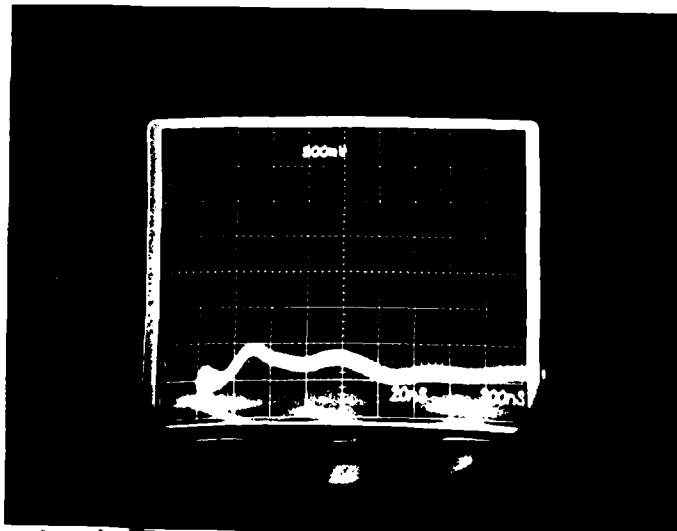
"HOT LEAD"

DATA @ .5V(1000V)



1216

Date	6-11-85
Test Point	110-CH-1/10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	200 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

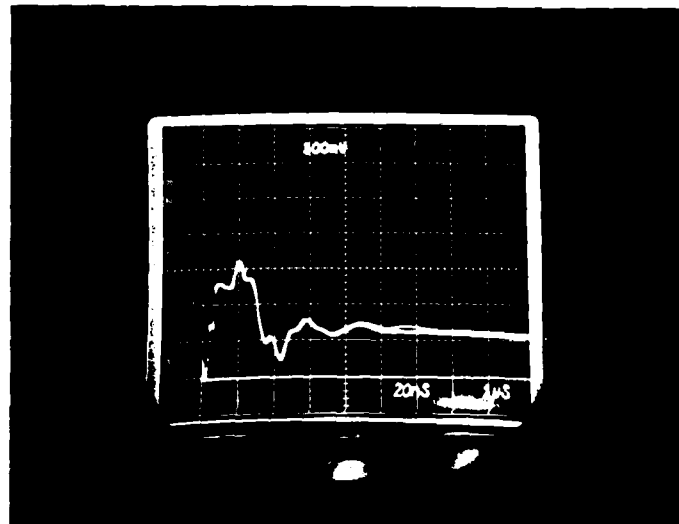


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-11-85
Test Point	110-CH - 110-0
Amplification	dB
Attenuation	20 dB
Horizontal	1 μ S ns/div 1
Vertical	.1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

"COMMON" LEAD



1220

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	

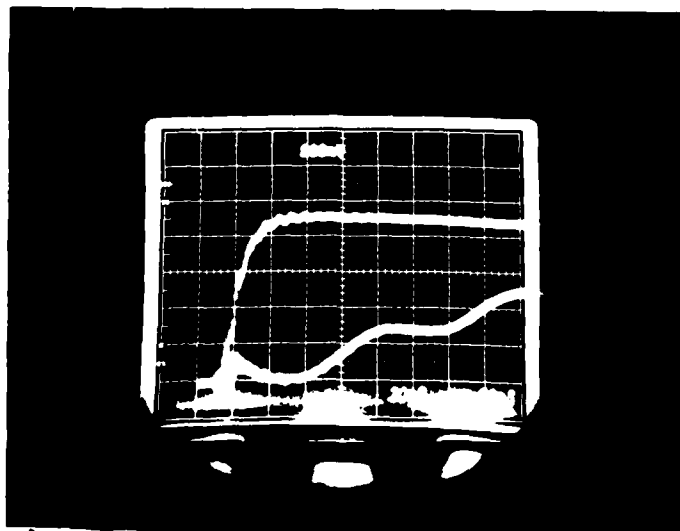
Comments:

Date	6-11-85
Test Point	110-CH-1/10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments: 1219

"COMMON" LEADS

DATA @ .1V (200V)

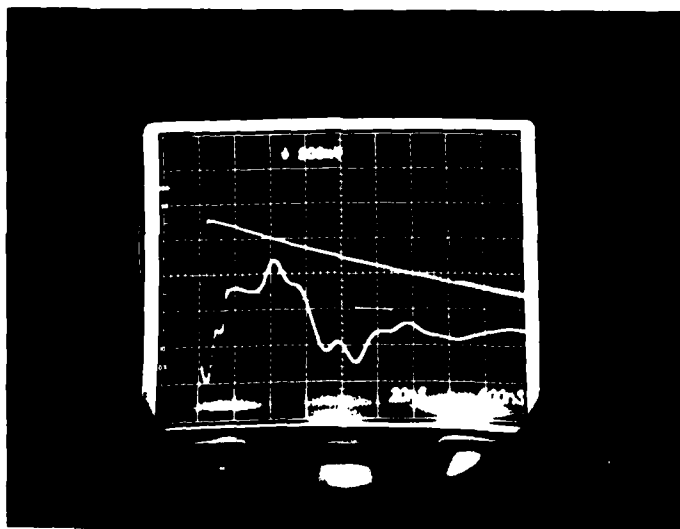


Date	6-11-85
Test Point	110R-CH-1/10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

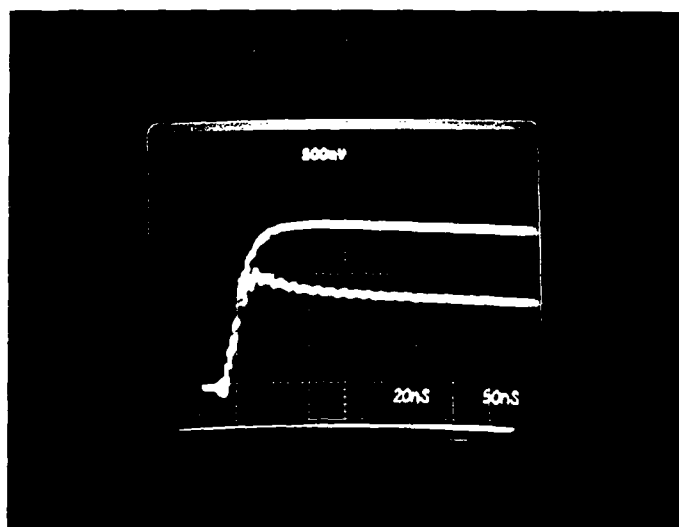
Comments: 1221

"COMMONS" LEADS

DATA @ .1V (200V)



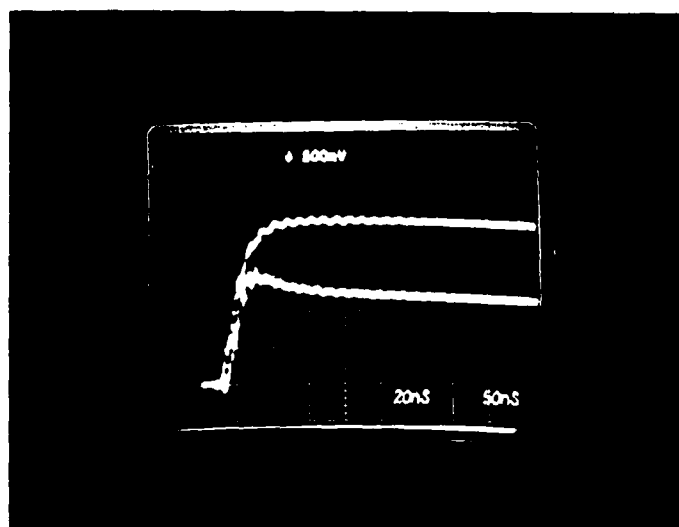
Date	6-11-85
Test Point	111-CH-V10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .1V (200V)

"HOT" TEST COMMON TO GND -
NO PROTECTION WITH GND TO GND -

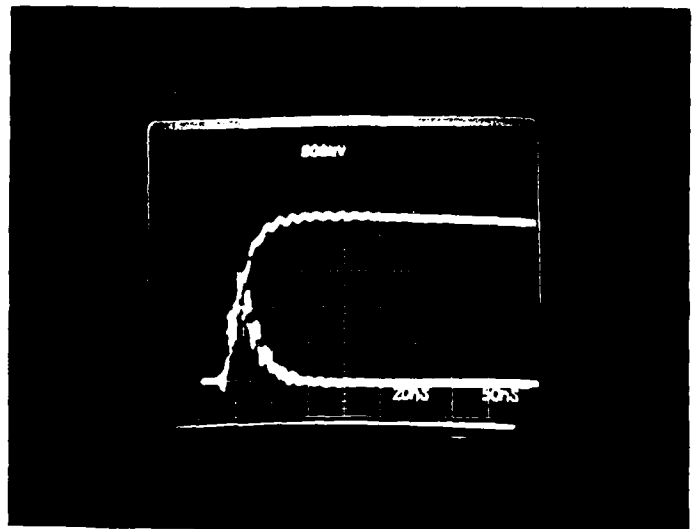
Date	6-11-85
Test Point	111R-CH-V10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	



DATA @ .1V (200V)

HOT TEST - COMMON TO GND

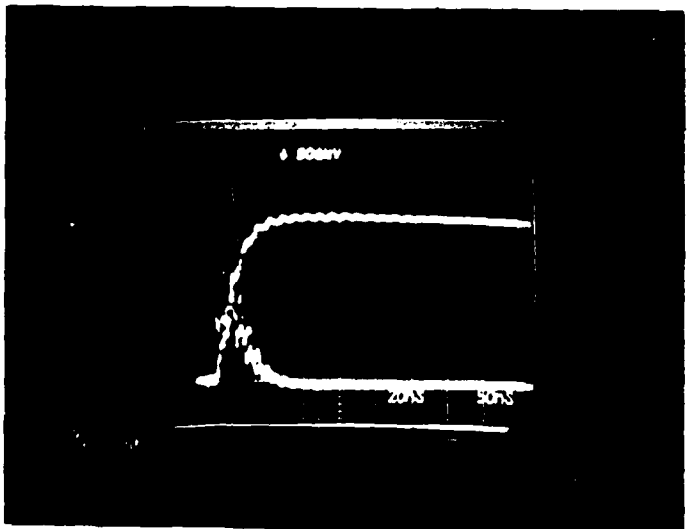
Date	6-11-85		
Test Point	112-CH-1/10- ~~2A~~		
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	+4500 V		
Date Link			
Comments:	1211		



DATA .05(100V)

"HOT" LEAD - NEUTRAL TO GND

Date	112R-CH-1/10- ~~2A~~		
Test Point			
Amplification	dB		
Attenuation	20 dB		
Horizontal	50	ns/div	1
Vertical	.5V(1000V)	mV/div	1
Horizontal		ns/div	2
Vertical		ns/div	2
Configuration			
Pulser Level	-4500 V		
Date Link			
Comments:	1211		



DATA .05

"HOT" LEAD - NEUTRAL TO GND

END