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# NASA Contractor Report

(NASA-CR-160963) TESTING OF AIRCRAFT  
PASSENGER SEAT CUSHION MATERIAL, FULL SCALE.  
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CSSL 13L G3/03

*NASA CR-160963*

## Volume 2

### Testing of Aircraft Passenger Seat Cushion Materials — Full Scale — Data

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FEBRUARY 1981

**NASA**

National Aeronautics and  
Space Administration

Johnson Space Center  
Houston, TX 77058



## PREFACE

This report is submitted under contract NAS9-16062 and covers the period 11 March 1980 through 10 May 1981. To aid the reader in its use, this report is presented in two volumes. Volume 1 contains test procedures and results of the program performed at Douglas Aircraft Company, McDonnell Douglas Corporation, Long Beach, California. Included as an appendix to Volume 1 is a NASA-JSC report on seat flammability tests performed in December 1980 by NASA. Volume 2 contains plotted test data of the Douglas Aircraft test program. Mr. Fred E. Duskin was Principal Investigator and Program Director at Douglas Aircraft Company and was assisted by the Materials and Producibility Engineering Section.

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## SECTION 1 INTRODUCTION

Aircraft passenger seats represent a high percentage of the organic materials used in a passenger cabin. These organics can contribute to a cabin fire if subjected to a severe ignition source such as a postcrash fuel fire.

The series of tests reported upon in this report is the fourth phase of a NASA-funded program to improve the fire resistance of aircraft passenger seats. Specifically, it is directed toward identifying materials and design approaches that will improve the fire resistance of contemporary seat cushions. Eight different seat cushion configurations were subjected to two different ignition sources in the Douglas Cabin Fire Simulator. These configurations were selected on the basis of previous laboratory testing and design analysis.

**SECTION 2  
SYMBOLS AND ABBREVIATIONS**

<b>Btu</b>	<b>British thermal unit</b>
<b>°C</b>	<b>Degrees Celsius (centigrade)</b>
<b>Ca</b>	<b>Cardiac arrhythmias</b>
<b>CA</b>	<b>Cardiac arrest</b>
<b>cm</b>	<b>Centimeter</b>
<b>cm<sup>2</sup></b>	<b>Square centimeter</b>
<b>DAC</b>	<b>Douglas Aircraft Company</b>
<b>°F</b>	<b>Degrees Fahrenheit</b>
<b>ft</b>	<b>Feet</b>
<b>hr</b>	<b>Hour</b>
<b>in.</b>	<b>Inch</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>2</sup></b>	<b>Kilogram per square meter</b>
<b>kw</b>	<b>Kilowatt</b>
<b>lb</b>	<b>Pound</b>
<b>lb/ft<sup>2</sup></b>	<b>Pounds per square foot</b>
<b>lb/ft<sup>3</sup></b>	<b>Pounds per cubic foot</b>
<b>m</b>	<b>Meter</b>
<b>MATS</b>	<b>Multiple Animal Test System</b>
<b>mm</b>	<b>Millimeter</b>
<b>min</b>	<b>Minutes</b>
<b>NASA</b>	<b>National Aeronautics and Space Administration</b>
<b>PARTS</b>	<b>Portable Animal Test System</b>
<b>PCT, %</b>	<b>Percent</b>
<b>PPM</b>	<b>Parts per million</b>
<b>psi</b>	<b>Pounds per square inch</b>
<b>sec</b>	<b>Second</b>
<b>TC</b>	<b>Thermocouple</b>
<b>Ti</b>	<b>Time to incapacitation</b>
<b>W</b>	<b>Watt</b>

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### **SECTION 3 TEST DATA**

Data recorded from the NASA seat tests are presented in this section. The test ID numbers are located in the top left corner of each plot. These are designated NASA 1-8 for the radiant panel tests, NAS 1B-8B for the fuel pan tests, and NASC for the Jet-A fuel baseline tests. Measurement number locations are given in Figures 1, 2, and 3. Seat cushion configurations are listed in Table 1.

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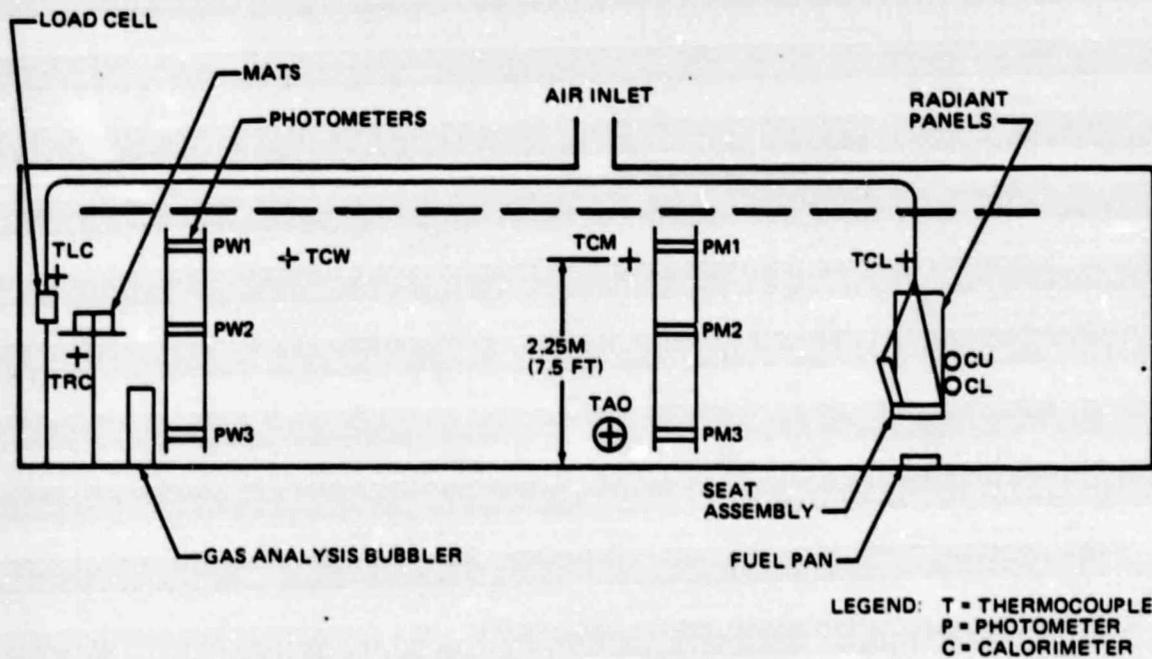
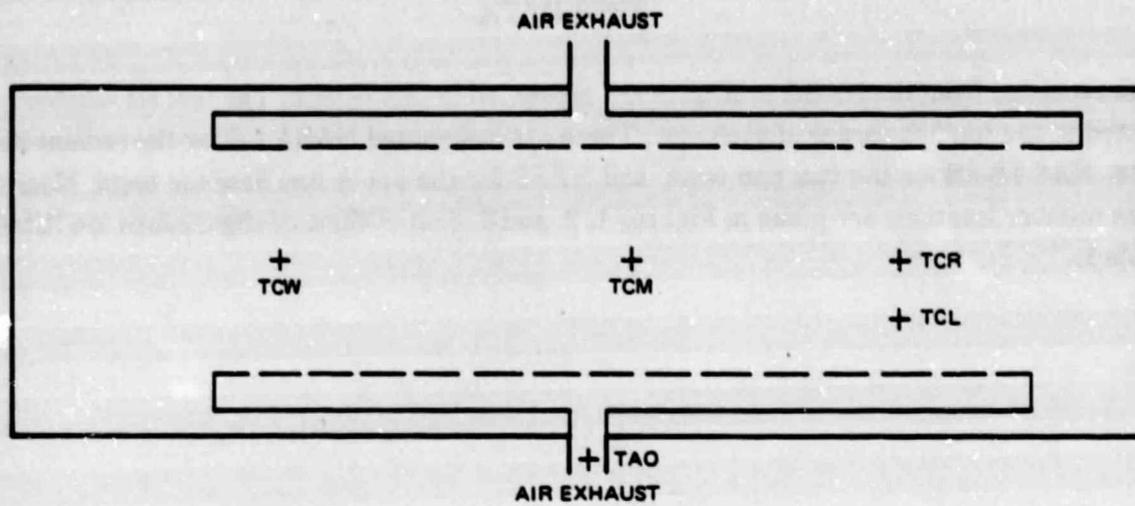
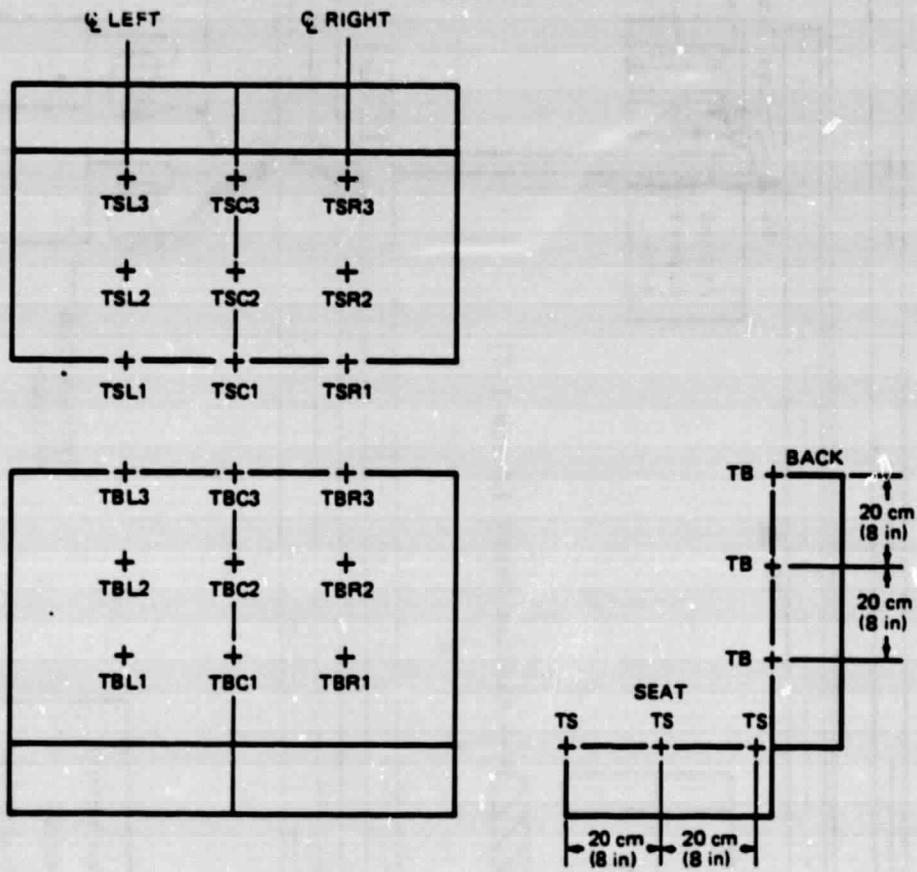


FIGURE 1. CFS INSTRUMENTATION



**FIGURE 2. CUSHION THERMOCOUPLES  
(LOCATION AND IDENTIFICATION)**

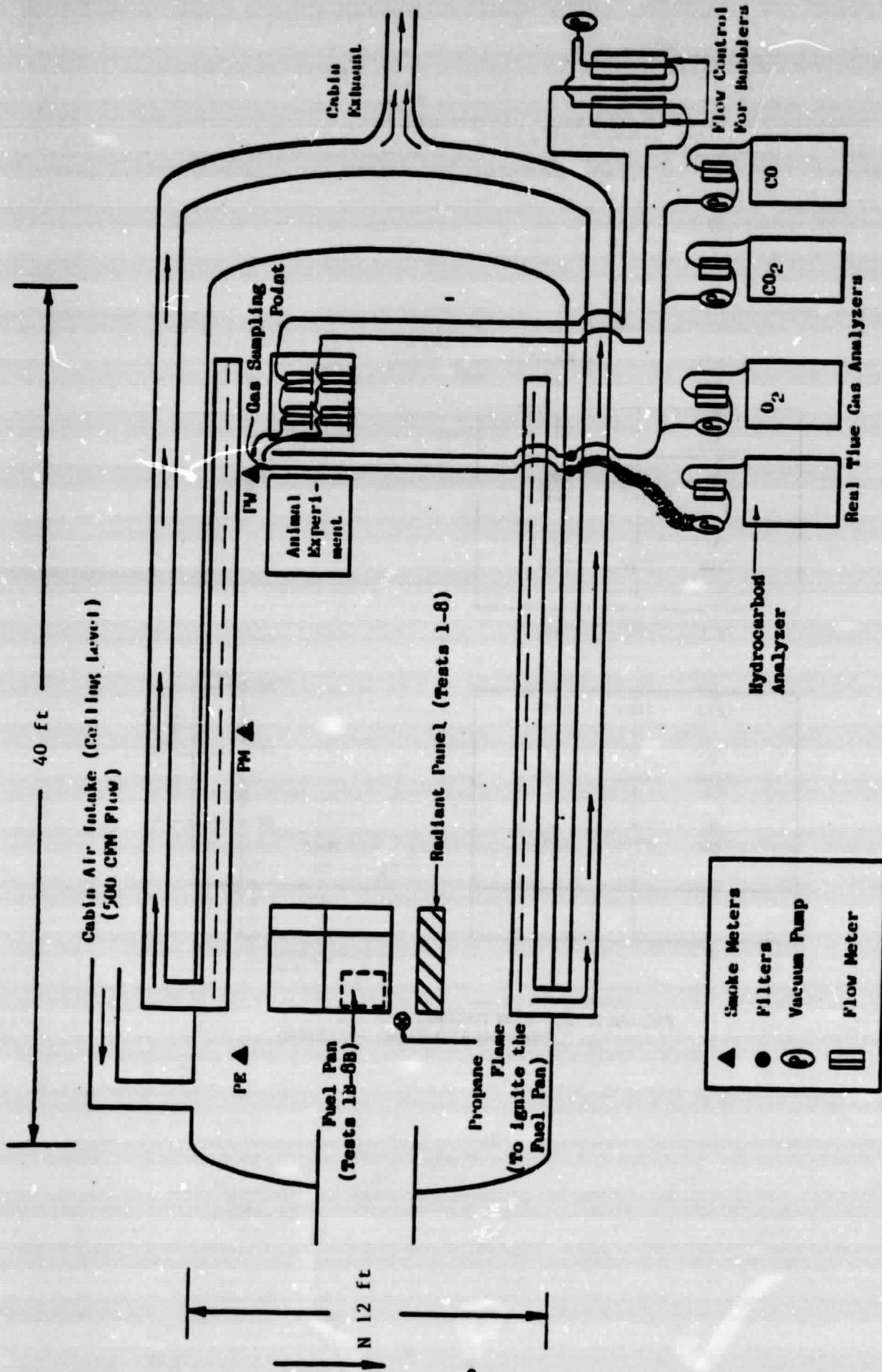


FIGURE 3. GAS INSTRUMENTATION

TABLE 1  
SEAT DESIGN TEST CONFIGURATION

TEST NO.	UPHOLSTERY	FIRE BLOCKING	CUSHION REINFORCEMENT (ADHESIVE R2382 N/F)	CUSHION	REMARKS
1	ST4727-112 SUN ECLIPSE WOOL/NYLON (104)	NONE	COTTON MUSLIN 44/40 CNT (228)	2043FA URETHANE	BASELINE
2	ST4727-112 SUN ECLIPSE WOOL/NYLON (104)	400-11 DURETTE BATT (216)	NOMEX III (221)	2043FA URETHANE	FIRE BARRIER
3	ST4727-112 SUN ECLIPSE WOOL/NYLON (104)	VONAR 3/PS (229)	COTTON MUSLIN 44/40 CNT (228)	2043FA URETHANE	FIRE BARRIER
4	20787 KERMEL/WOOL BLEND (101)	NOMEX III (221) 1/2 IN. LS-200 NEOPRENE (317)	NONE	2043FA URETHANE FOAM WITH AIREX (414) CORE	FIRE BARRIER AND FLOTATION
5	20787 KERMEL/WOOL BLEND (101)	NOMEX III (221) 1/2 IN. LS-200 NEOPRENE (317)	NONE	2043FA URETHANE	FIRE BARRIER
6	20787 KERMEL/WOOL BLEND (101)	NONE	NOMEX III (221)	1/2 IN. LS-200/ POLYIMIDE FOAM	LIGHTWEIGHT COMBINED CUSHION
7	SEDELLIA BLUE 3177 100% WOOL (117)	NONE	COTTON MUSLIN 44/40 CNT (228)	POLYIMIDE FOAM	FIRE RETARDANT CUSHION
8	SEDELLIA BLUE 3177 100% WOOL (117)	NONE	COTTON MUSLIN 44/40 CNT (228)	POLYIMIDE FOAM WITH AIREX (414) CORE	FIRE RETARDANT CUSHION WITH FLOTATION

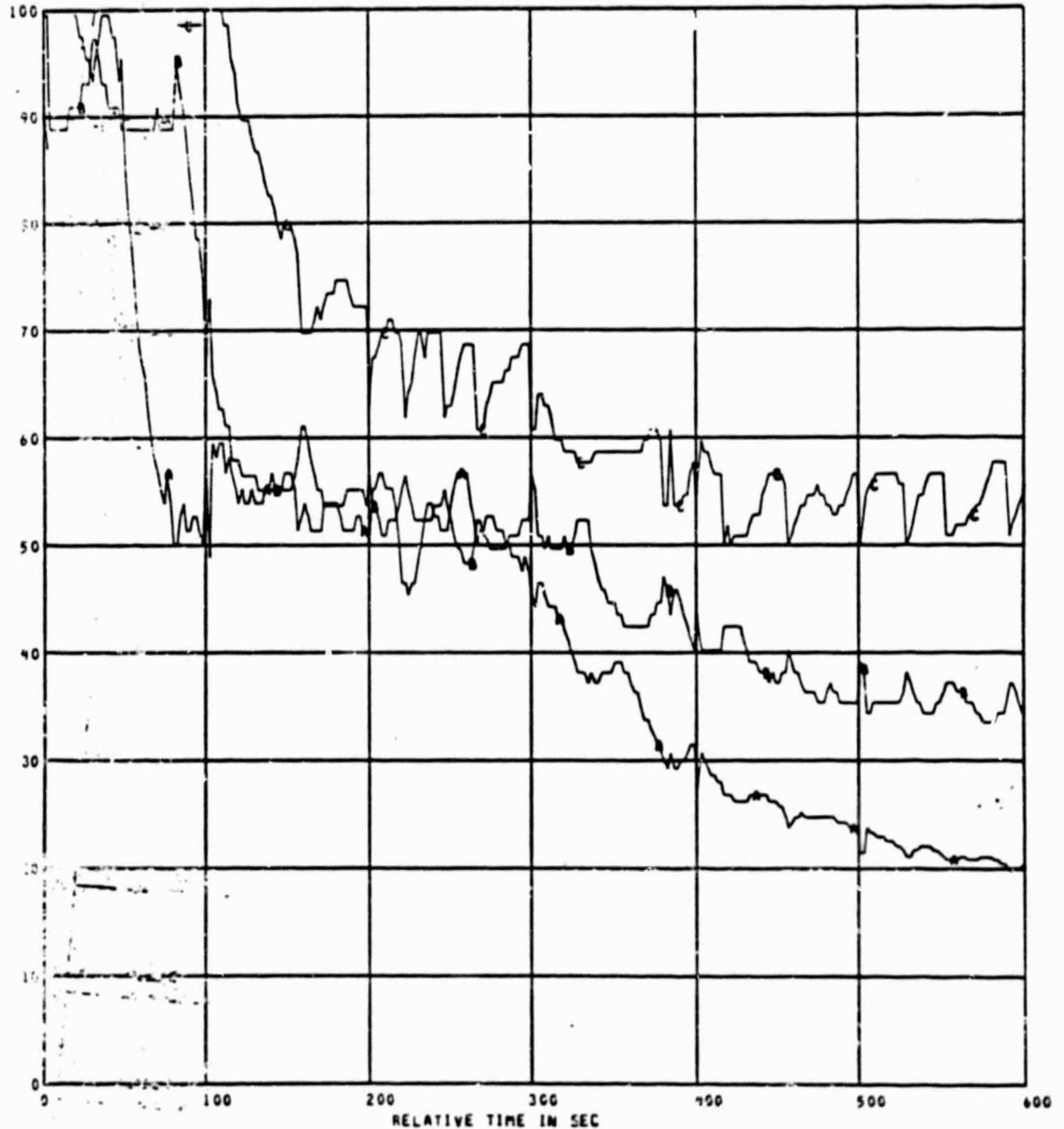
### 3.1 CUSHION DATA, RADIANT PANEL TESTS

		Page
NASA 1	Cushion Configuration 1	11-29
NASA 2	Cushion Configuration 2	30-48
NASA 3	Cushion Configuration 3	49-67
NASA 4	Cushion Configuration 4	68-86
NASA 5	Cushion Configuration 5	87-105
NASA 6	Cushion Configuration 6	106-124
NASA 7	Cushion Configuration 7	125-143
NASA 8	Cushion Configuration 8	144-162

TEST ID NASA1

SEAT TST-OCT 1980 PLQT NO 2 - 1

REFERENCE TIME 09 45 01.000

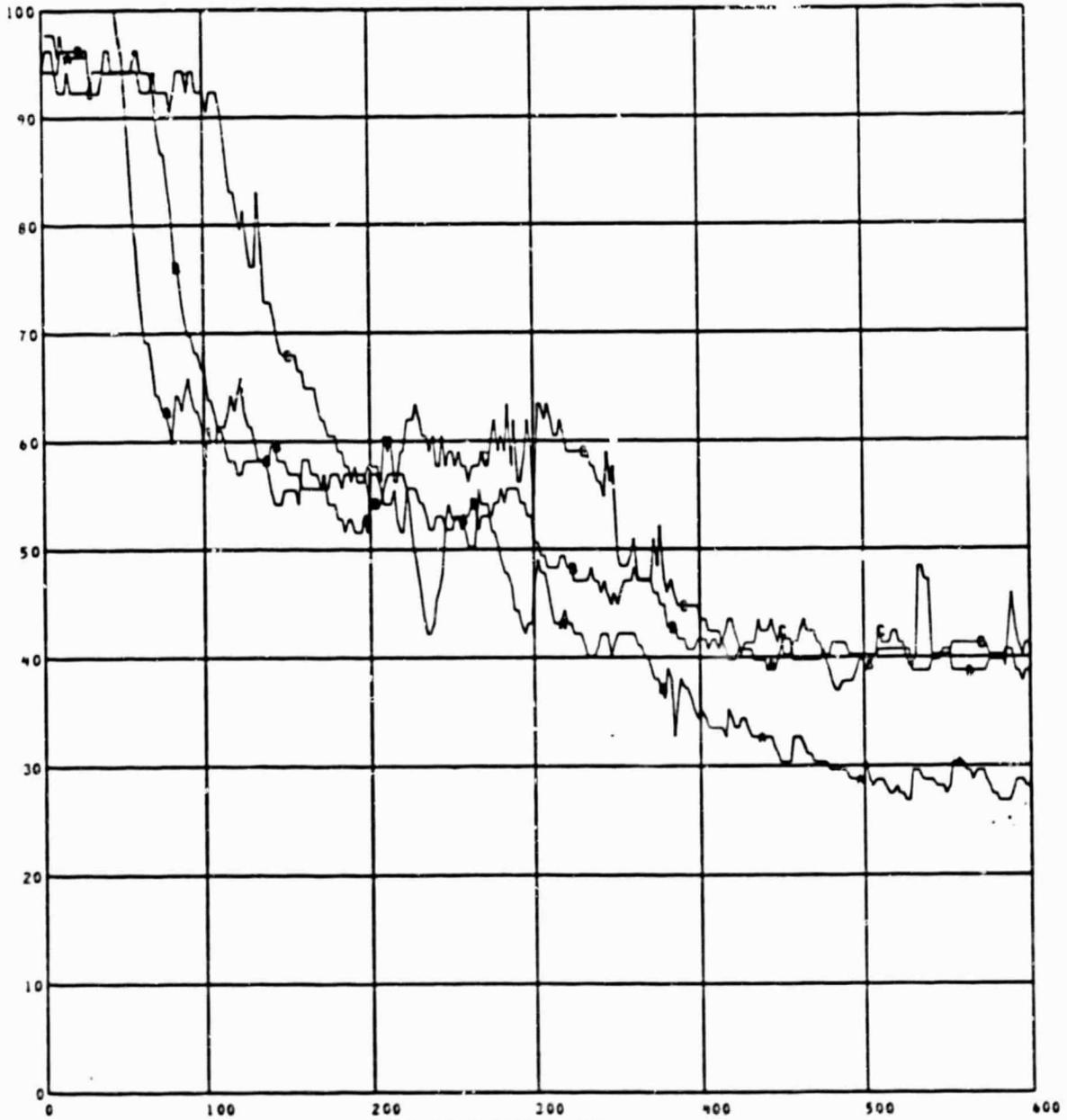


MEAS. NUMBER	ORIG. FILE NO.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA1

SEAT T5T-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 09 45 01.000

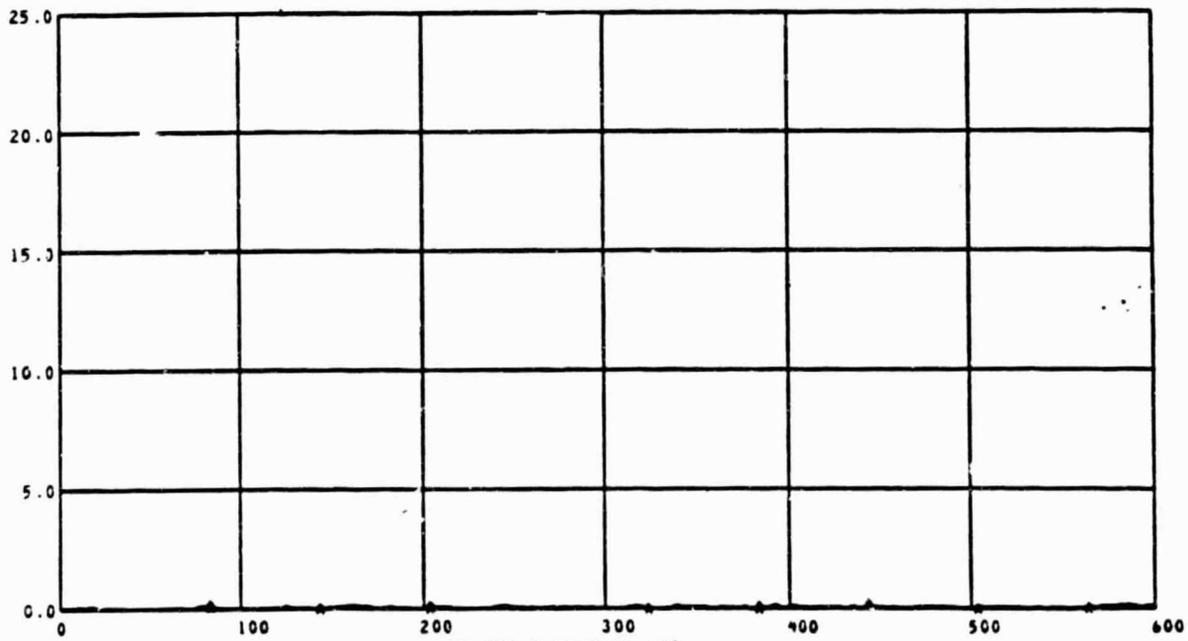
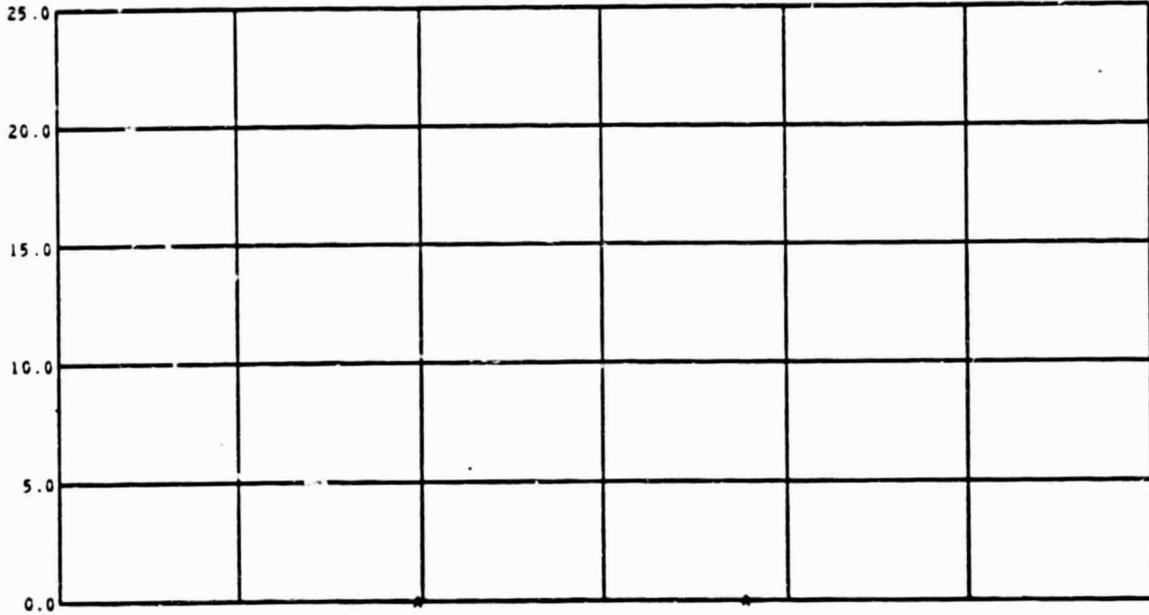


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 09 45 01.000

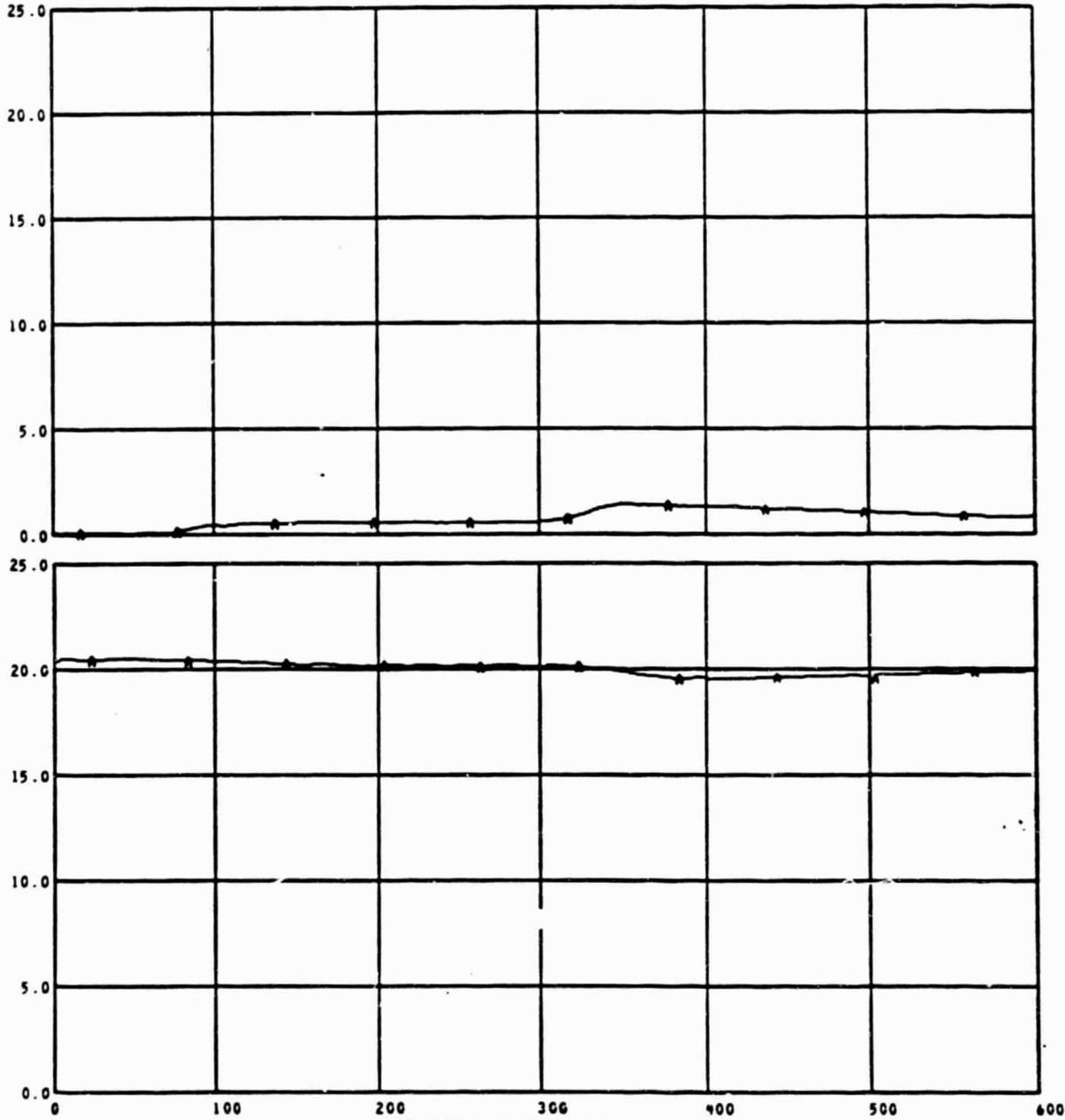


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHIE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 09 45 01.000

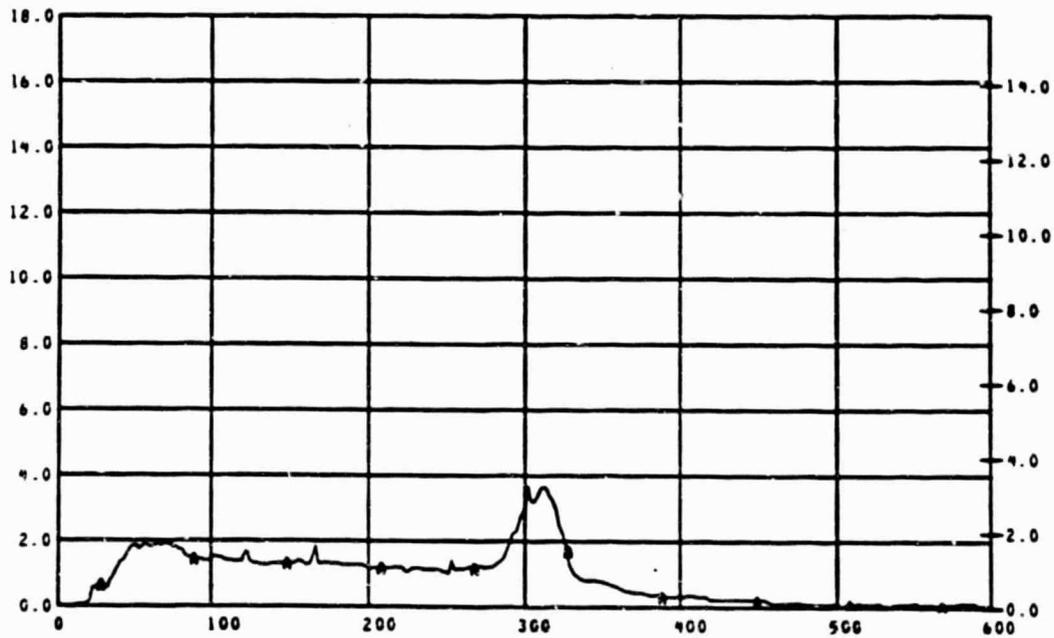
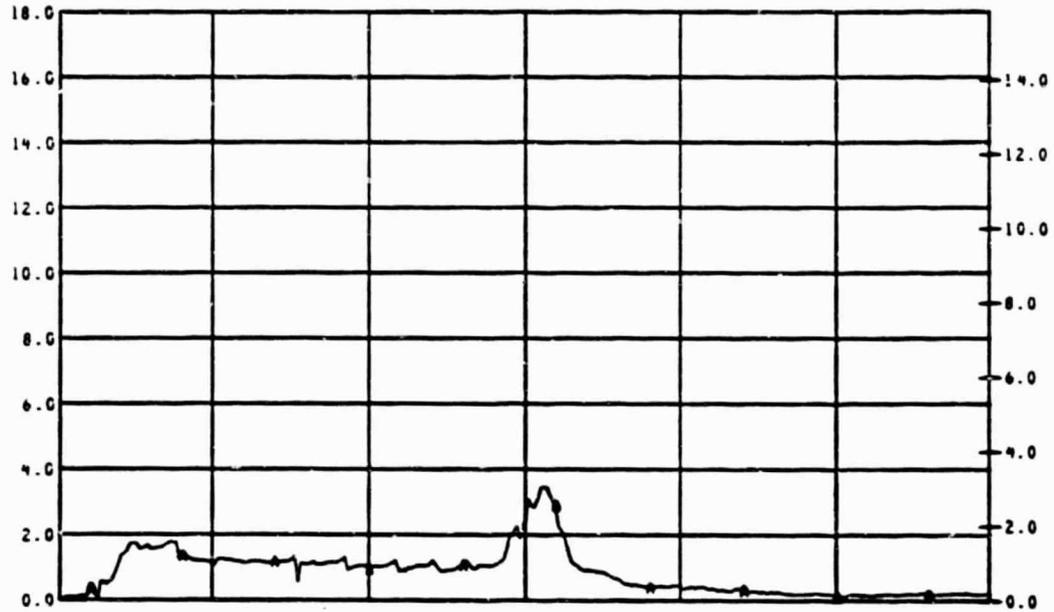


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 09 45 01.000

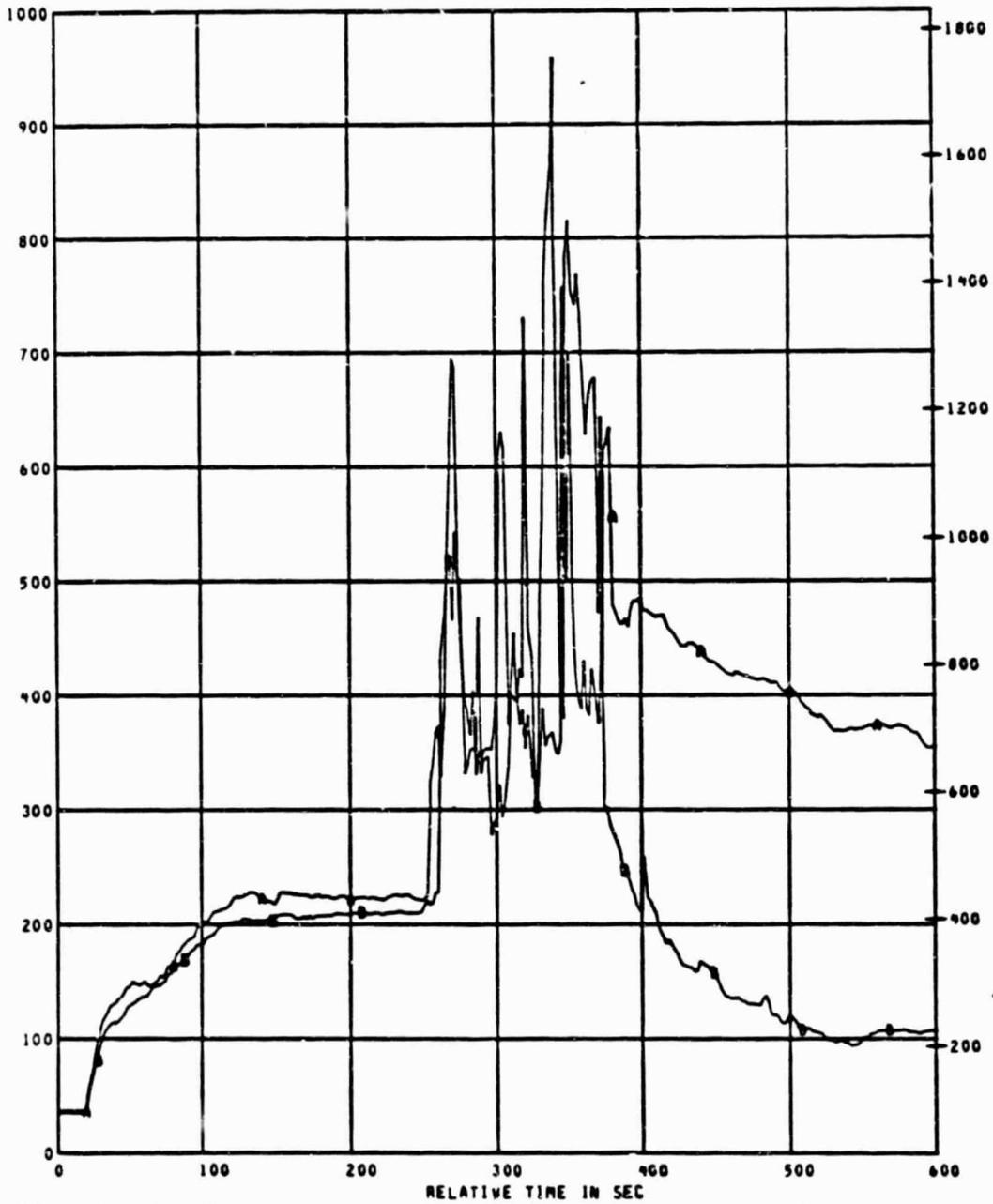


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
* CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
* CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NASAI

SEAT 75T-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 09 45 01.000



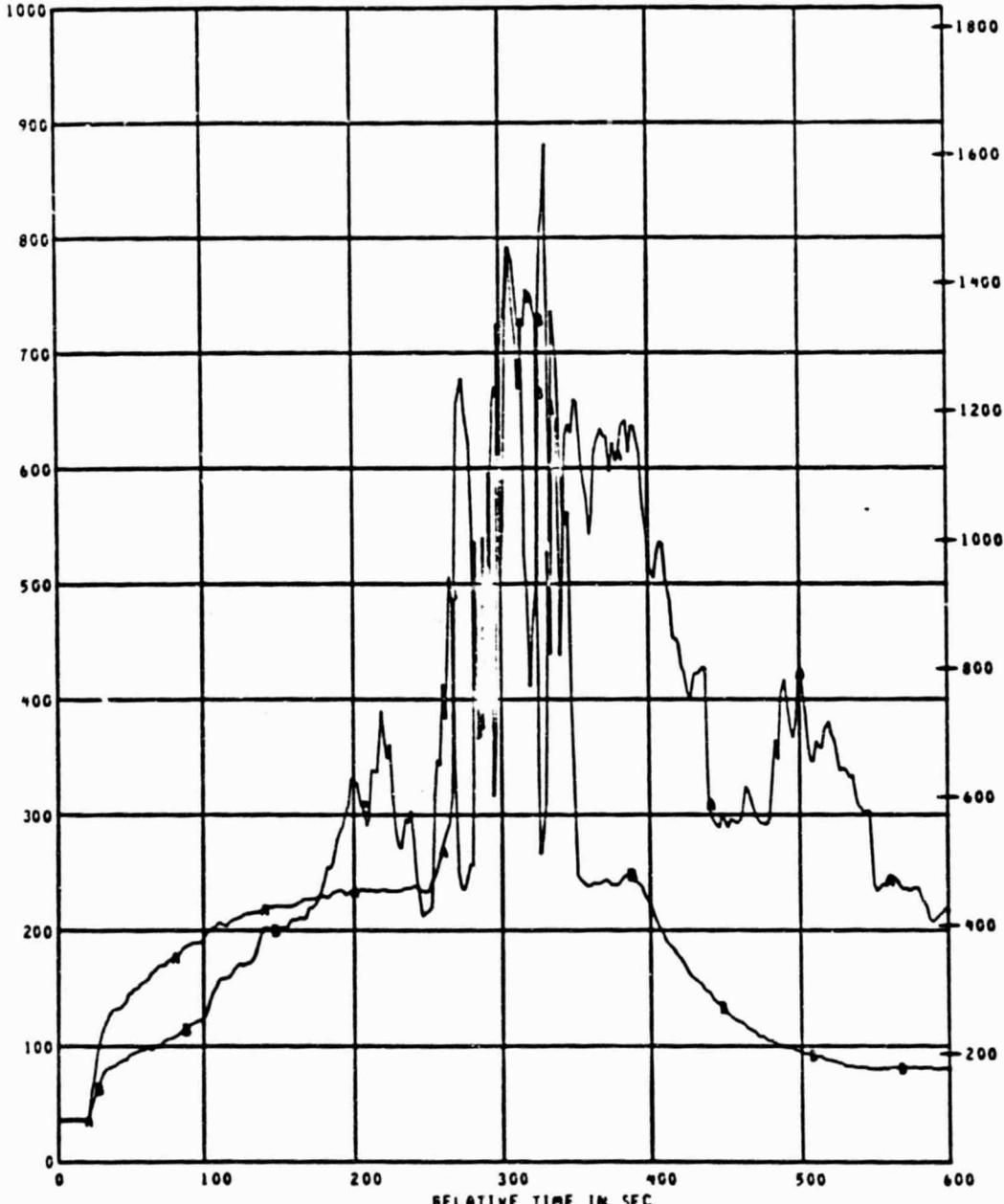
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 09 45 01.000



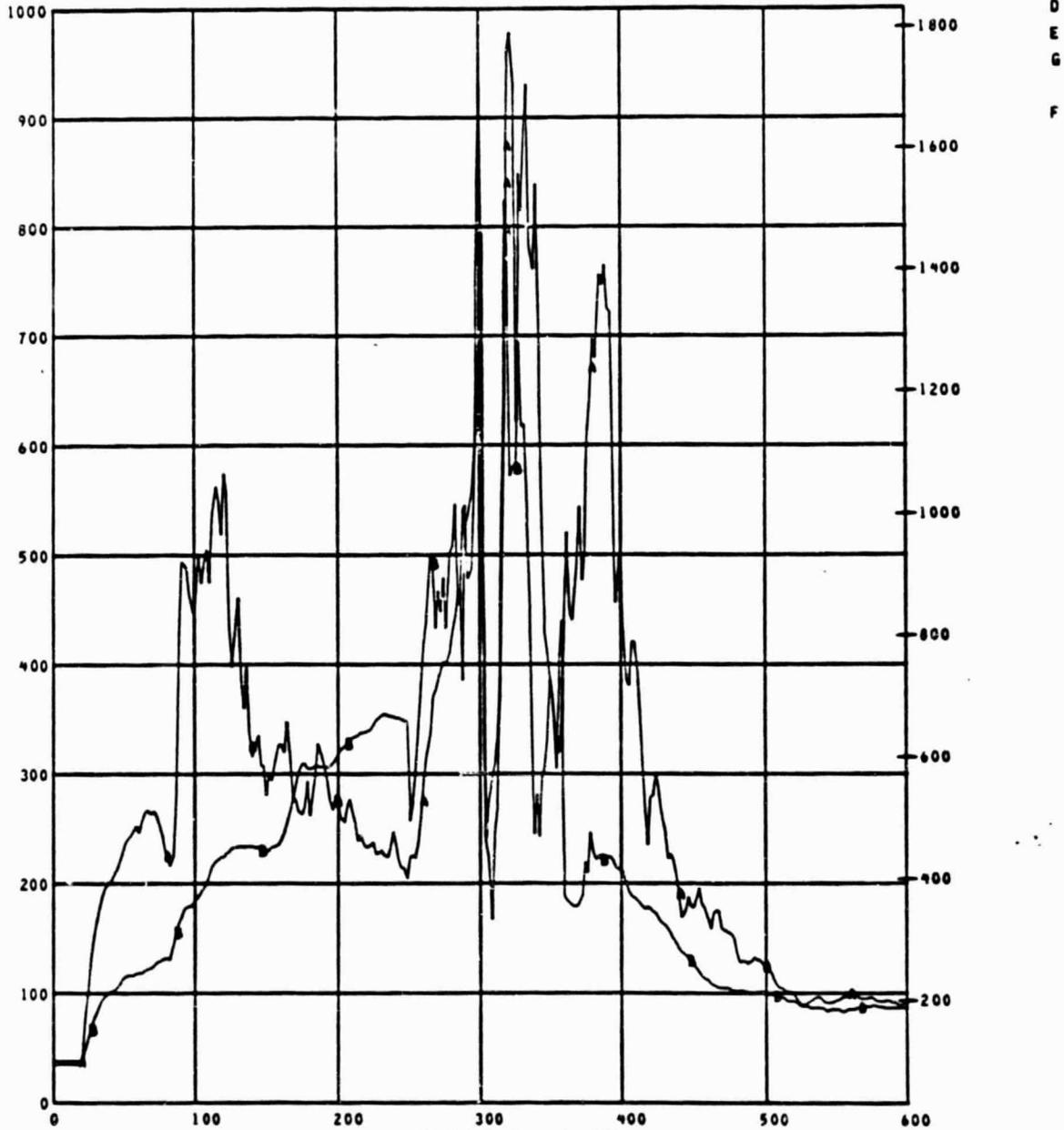
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 09 45 01.000



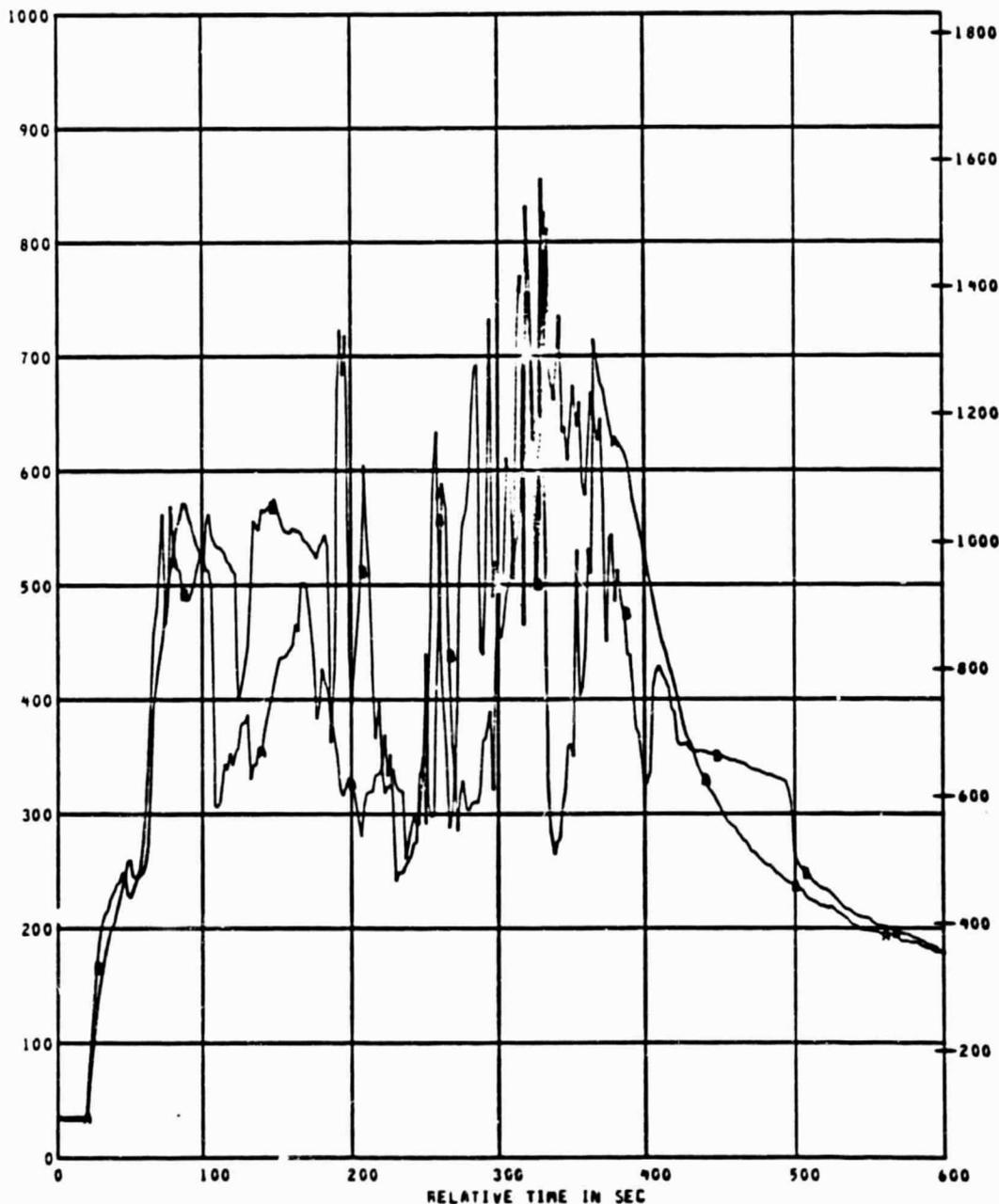
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 FLCT NO 10 - 1

REFERENCE TIME 09 45 01.000

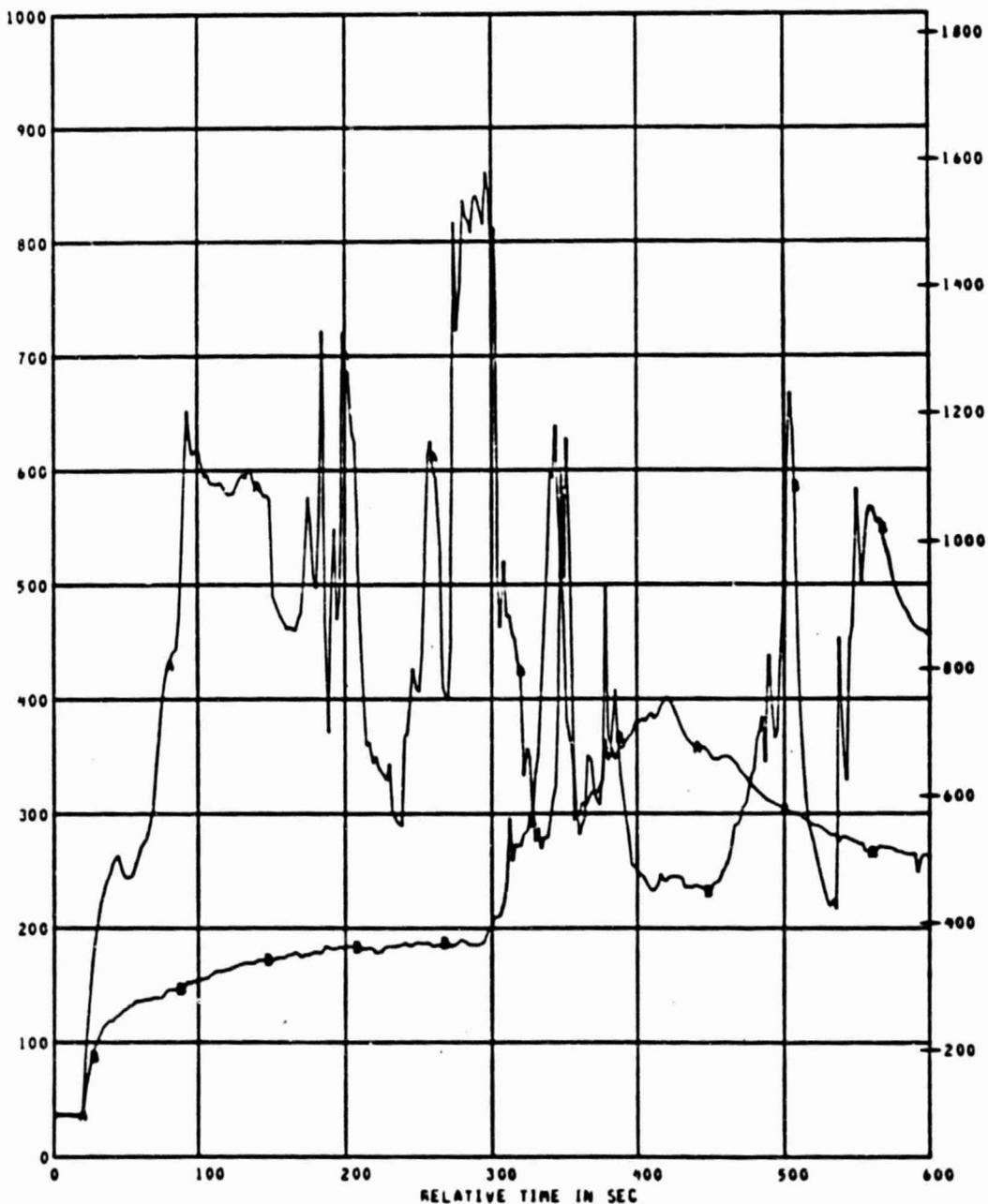


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
s TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA:

SEAT TS1-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 09 45 01.000

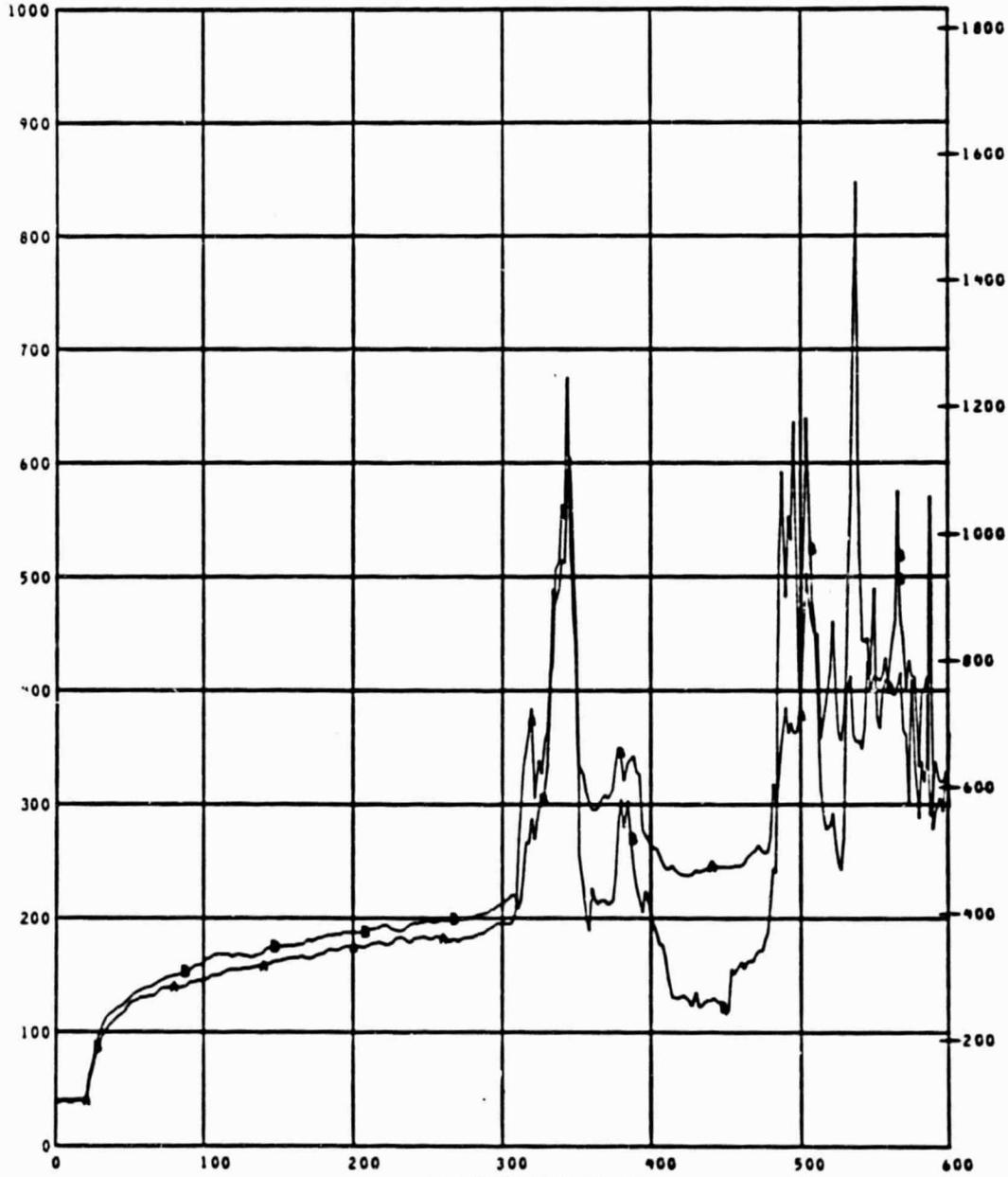


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA1

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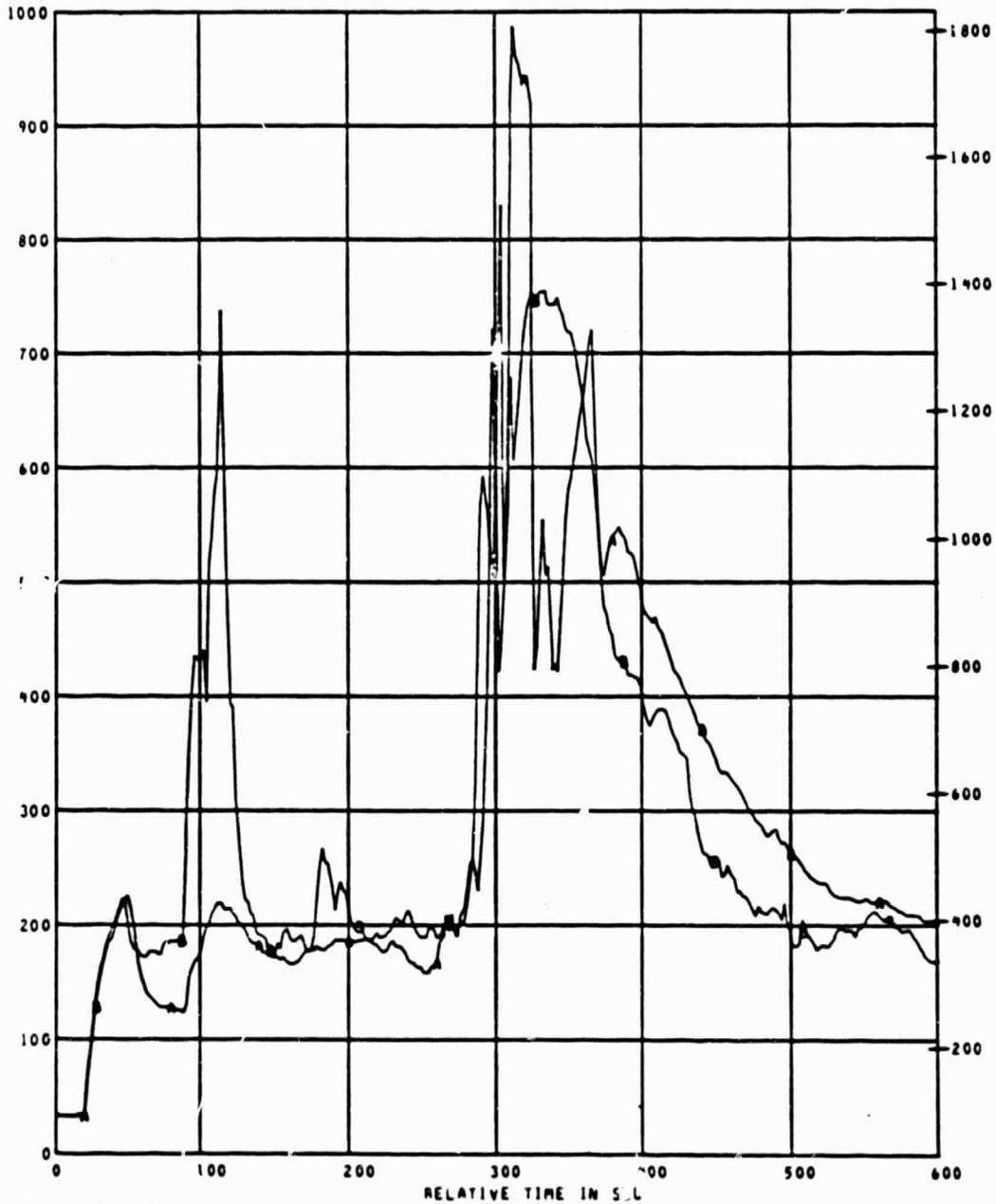


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 13 - 1

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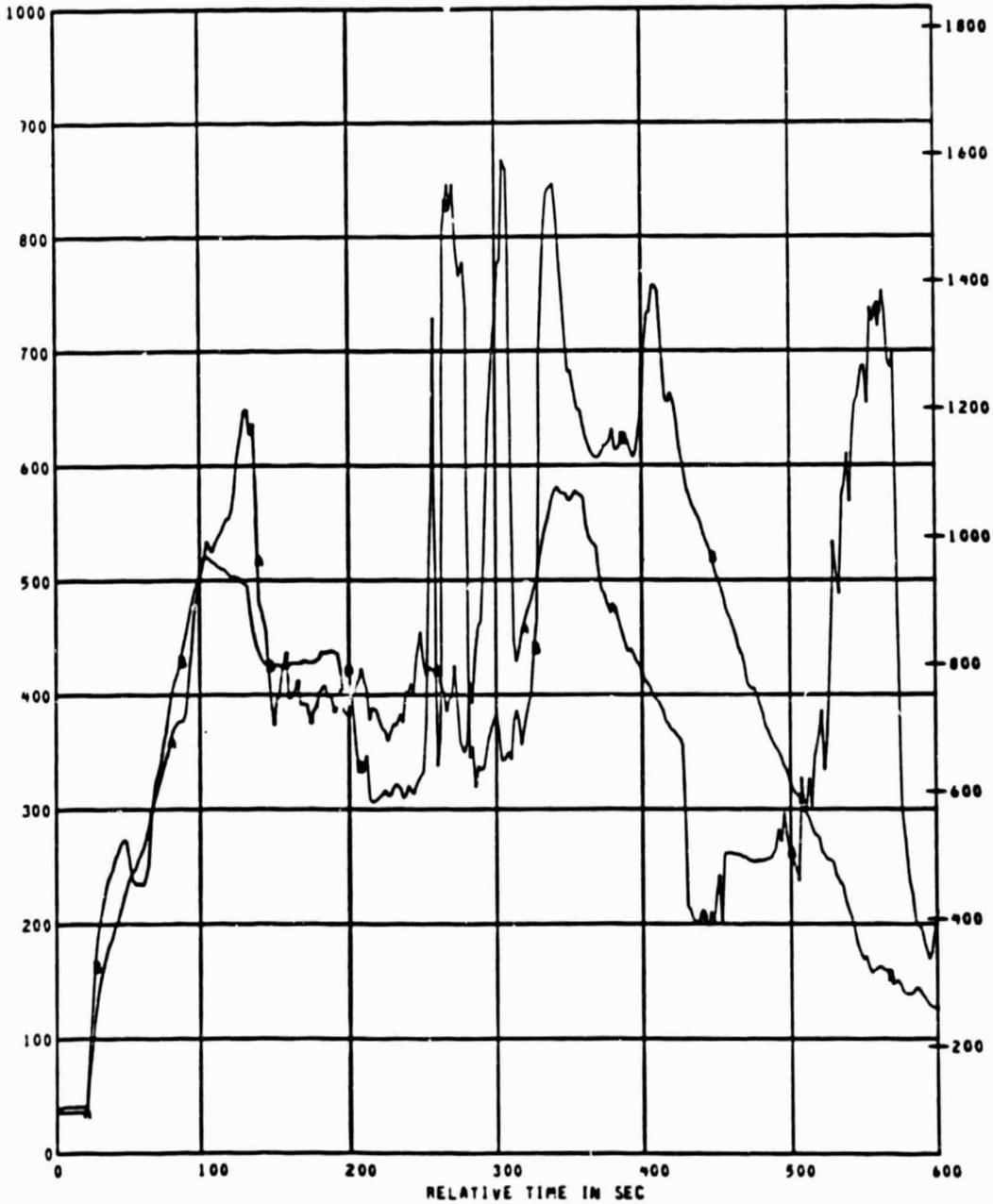
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
* TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA1

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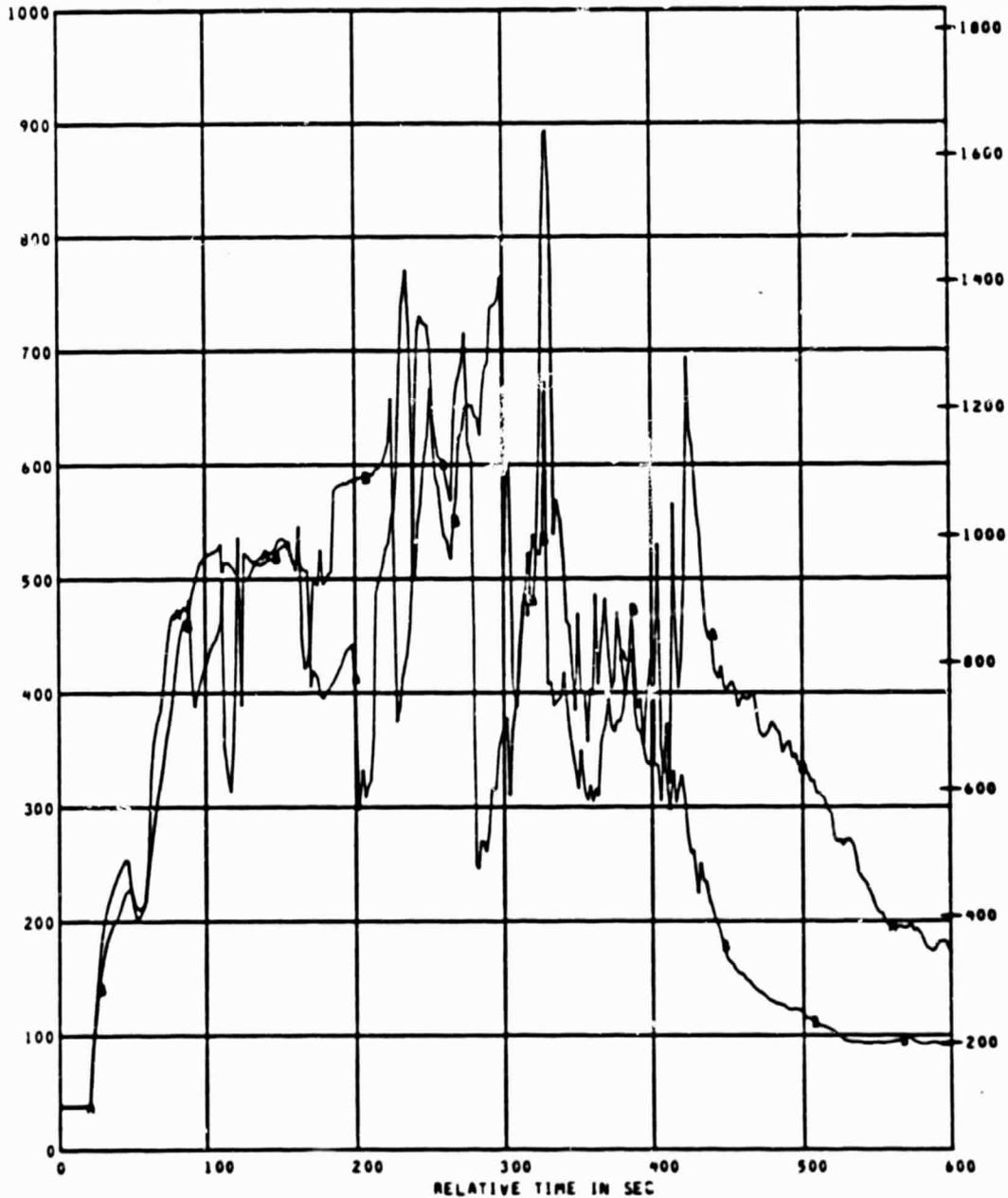


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBCJ	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 09 45 01.000

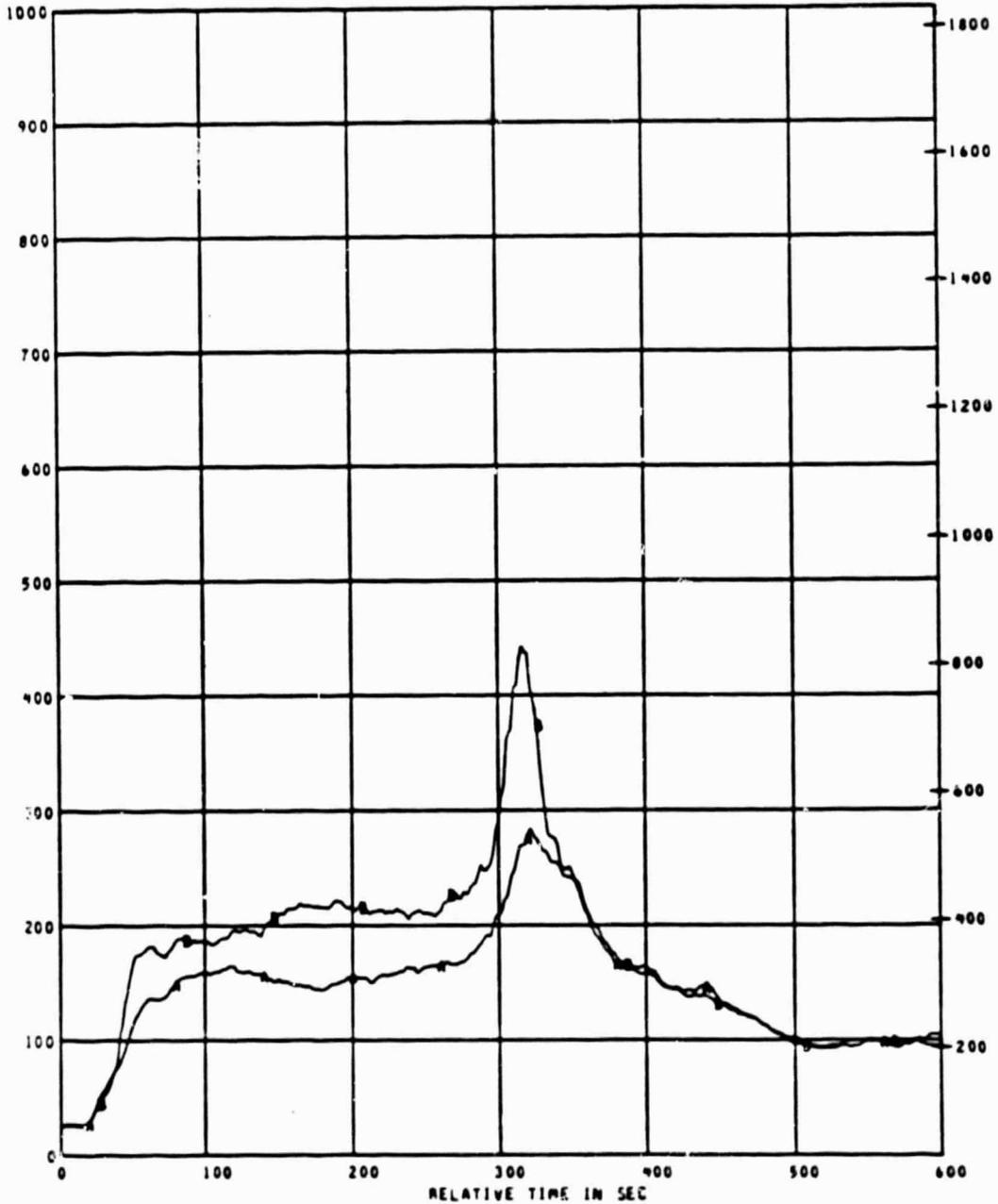


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
1 TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 16 - 1

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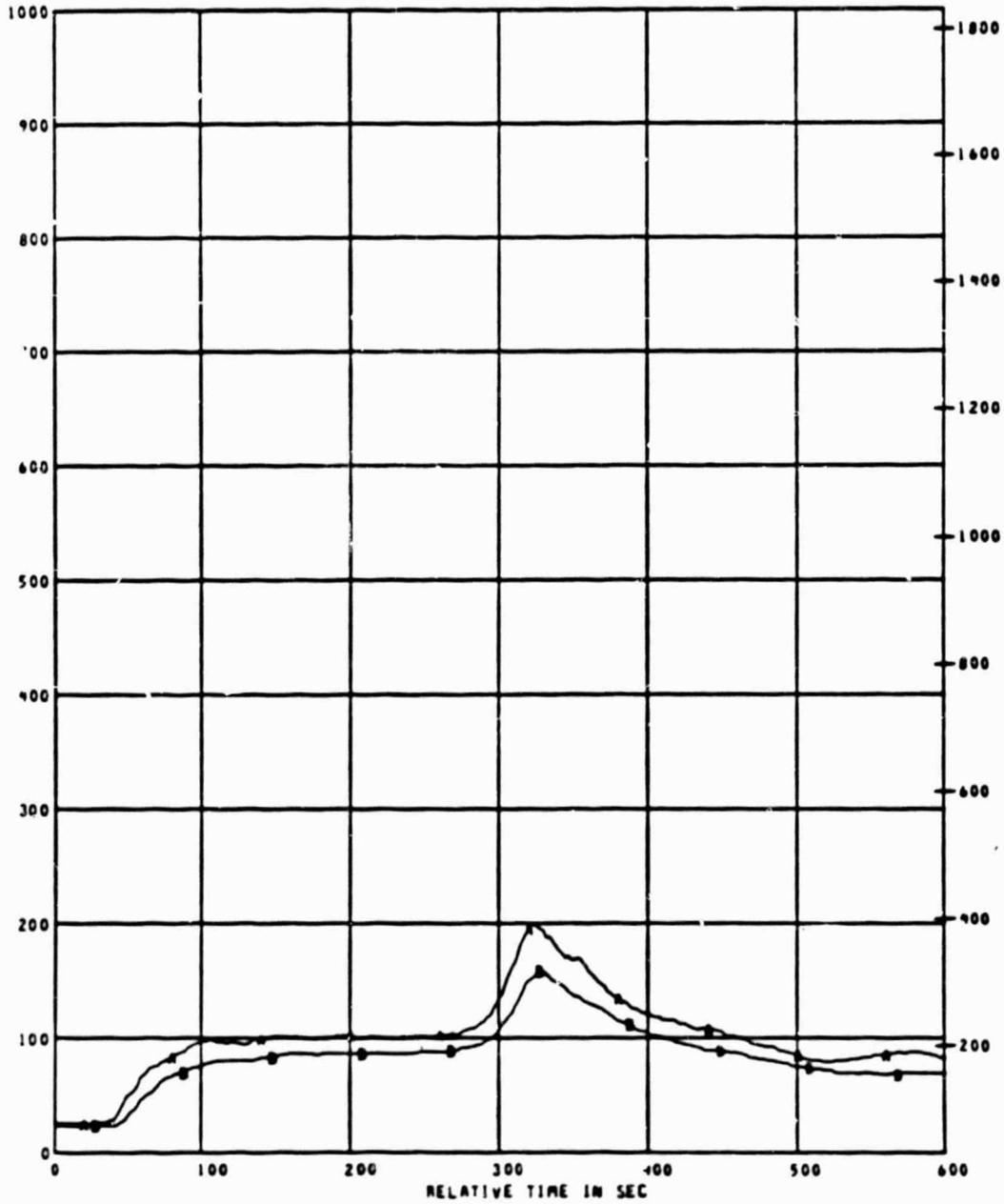
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	AID-SYM
8 TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
8 TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT T5T-OCT 1980 PLOT NO 17

REFERENCE TIME 09 45 01.000



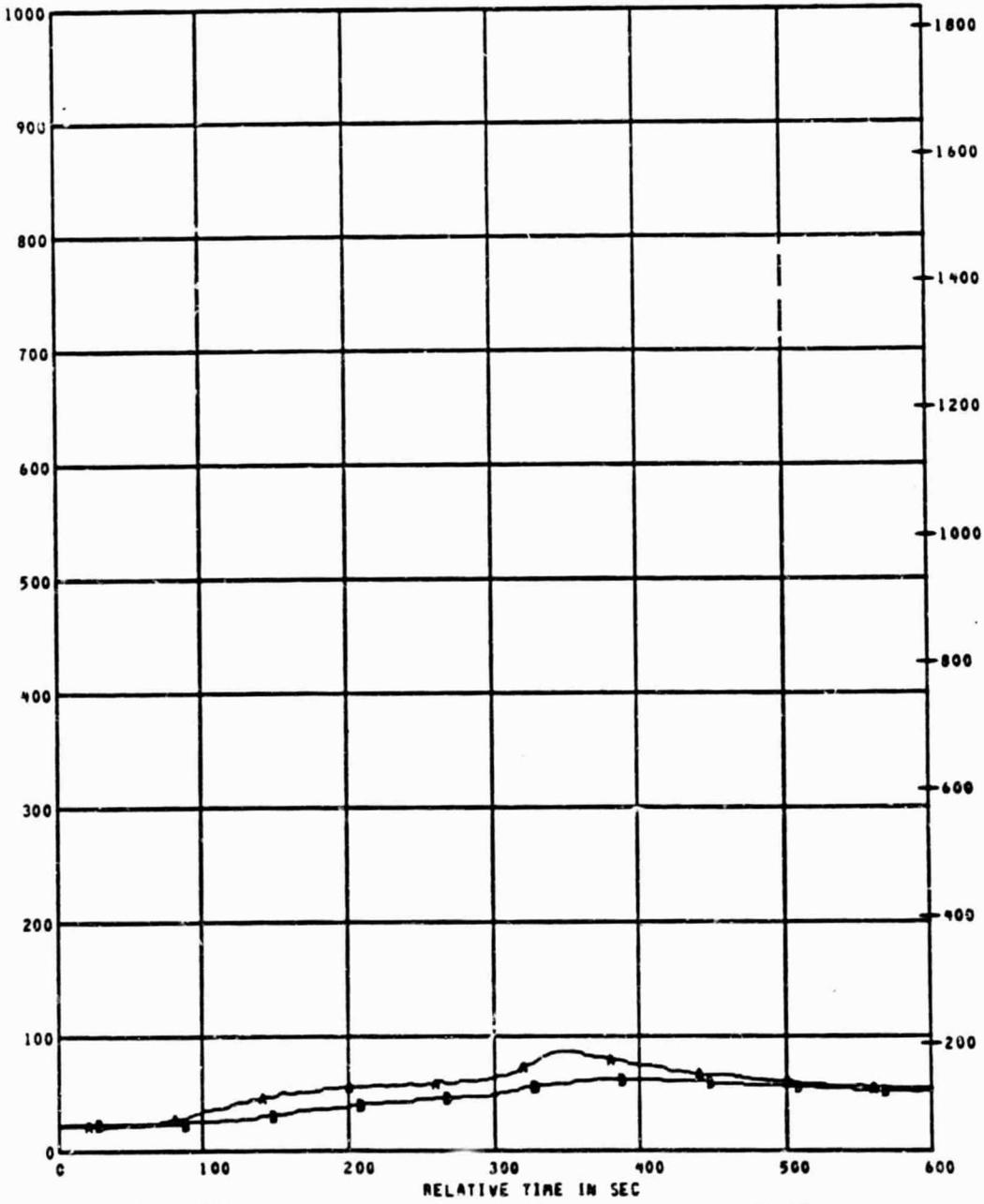
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1 TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
2 TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID: NASA1

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 09 45 01.000

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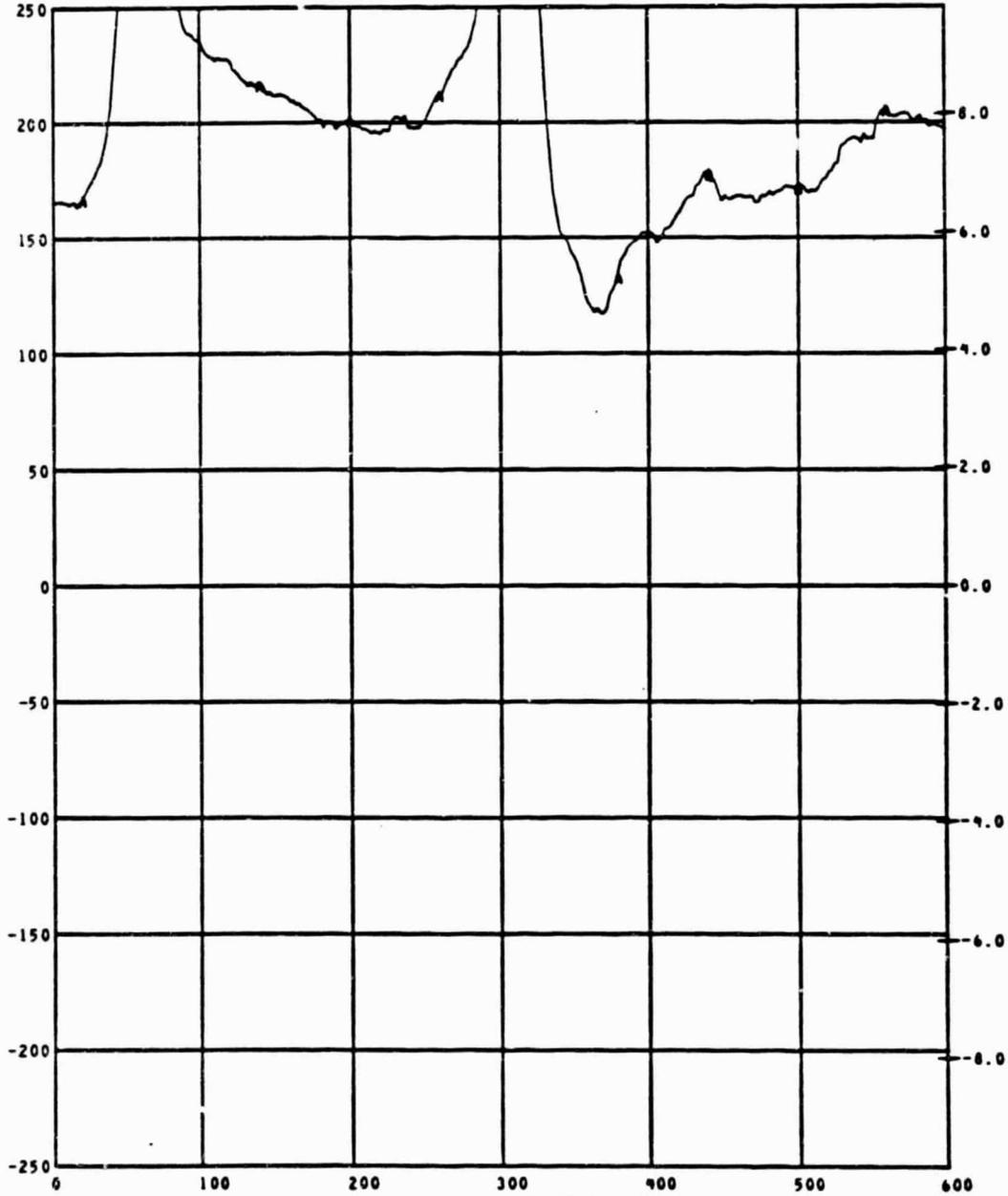


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
s TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASAL

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 09 45 01.000



I  
M  
H  
2  
0

MEAS. NUMBER  
8 DPC

CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

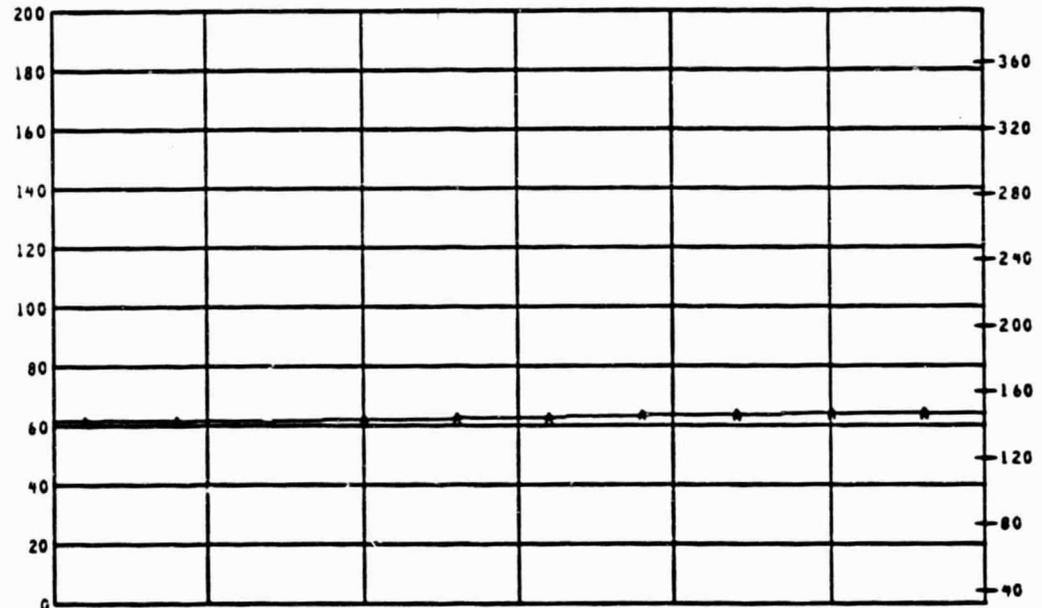
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H2O AA

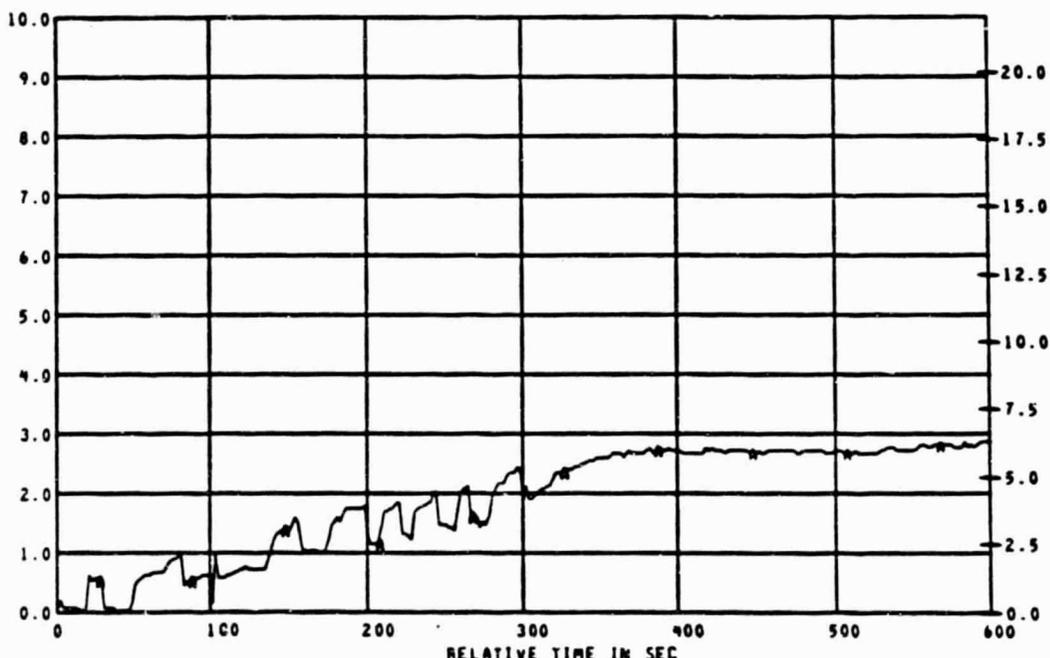
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G  
F



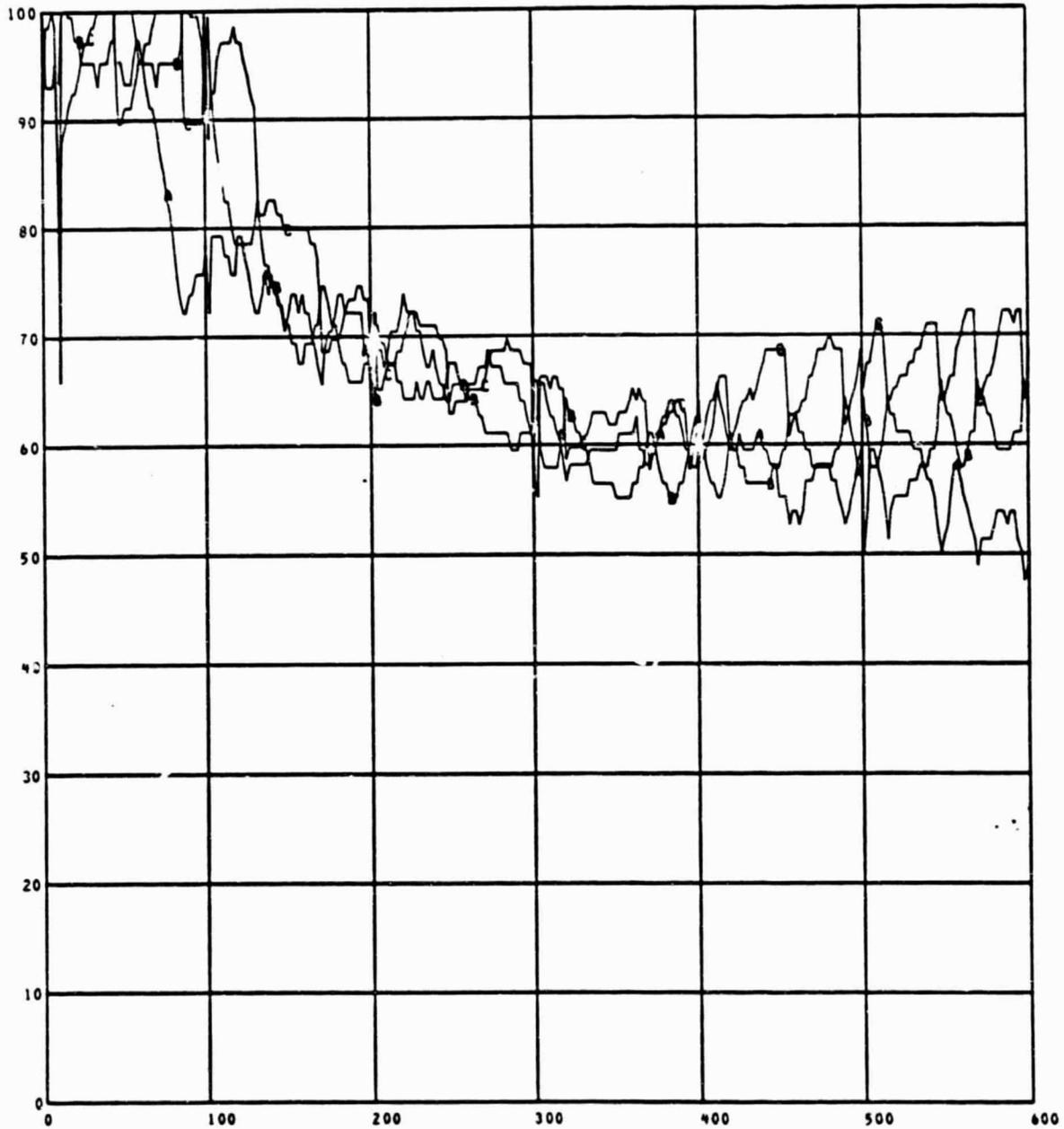
L  
B  
S

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
* WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 05 16.000

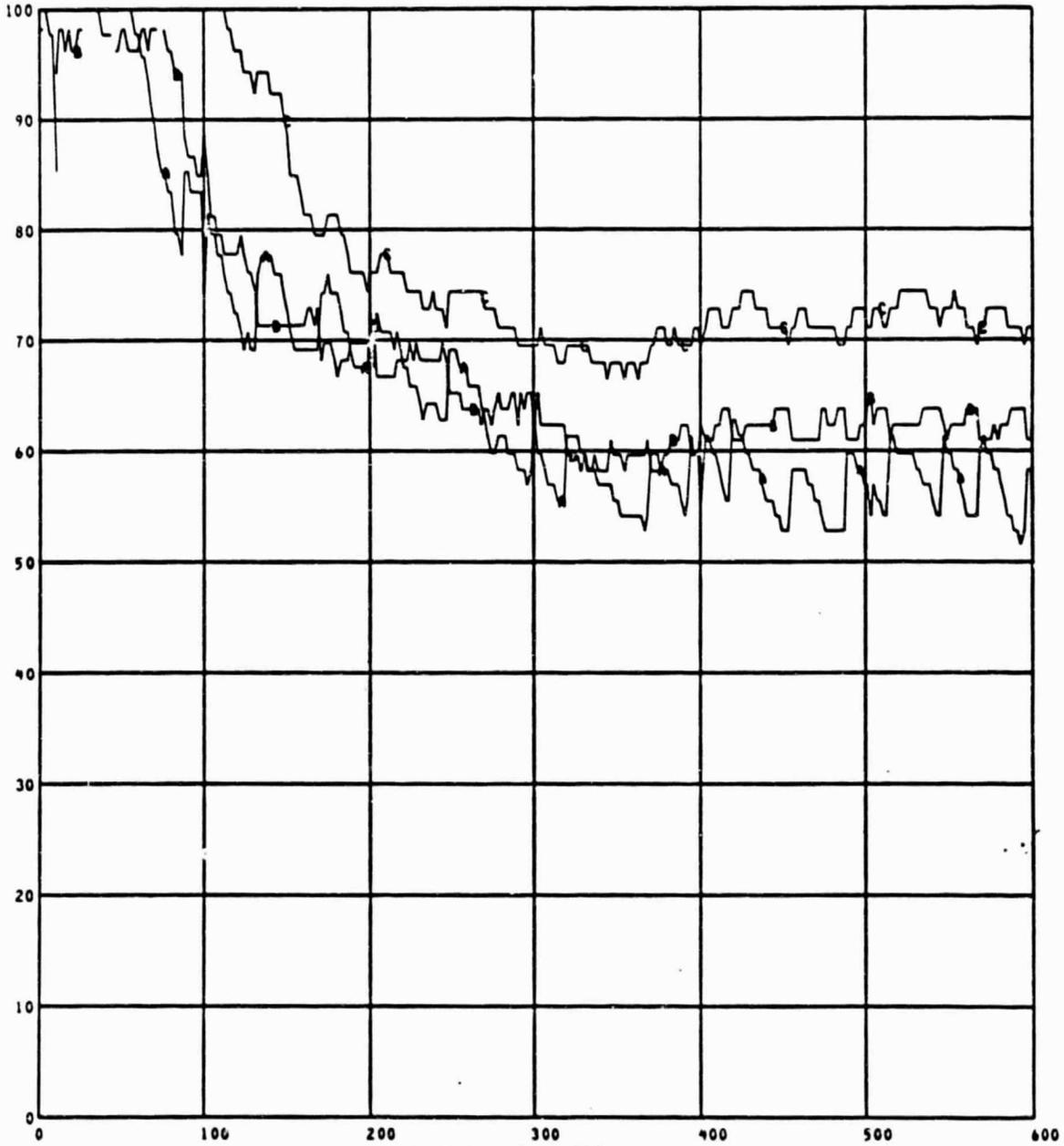


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10 05 16.000

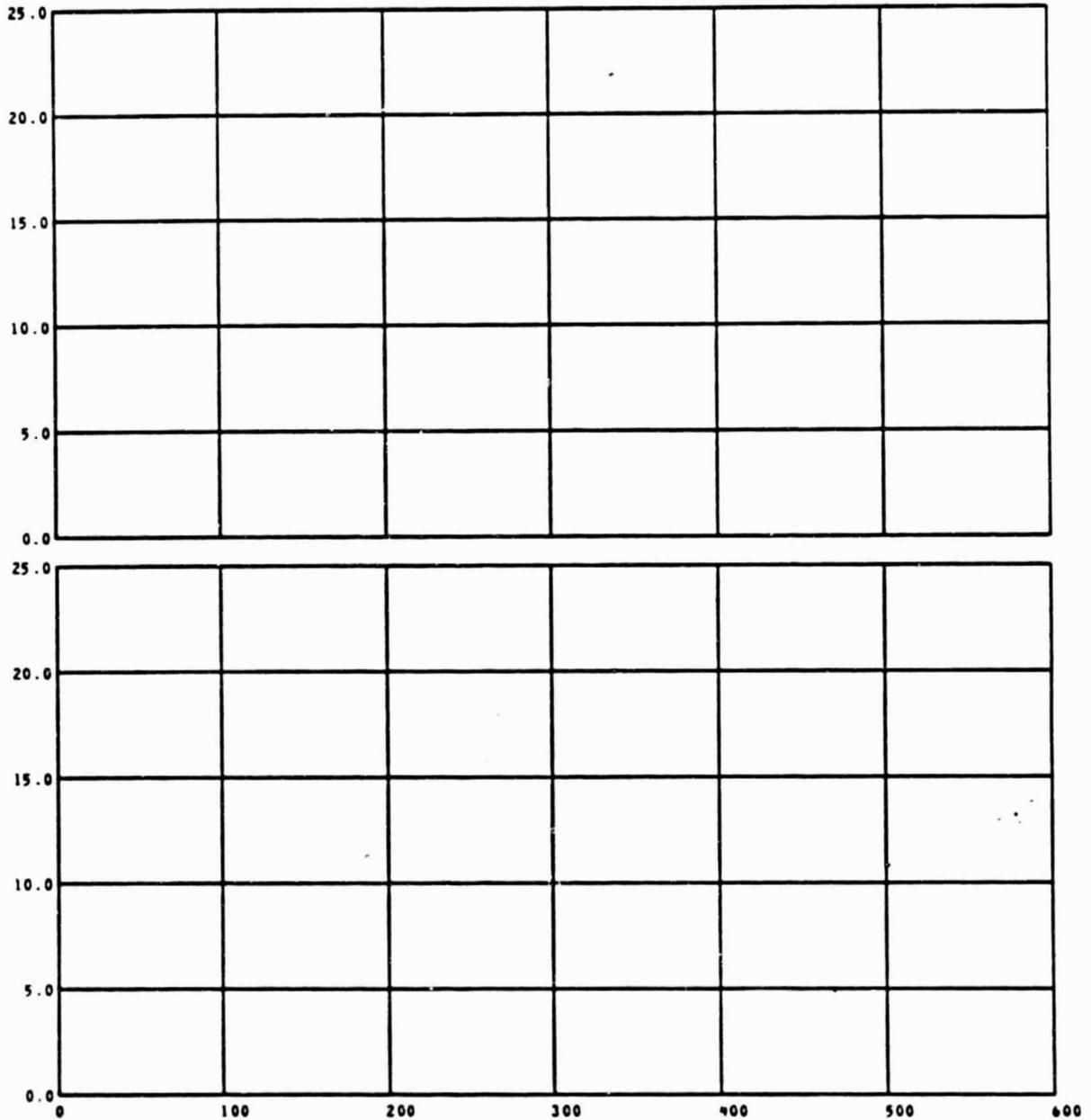


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PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER  
CHXE  
COE

CHANNEL ASGN.  
085  
084

TITLE  
METHANE EXHAUST  
CARBON MONOXIDE EXHAUST

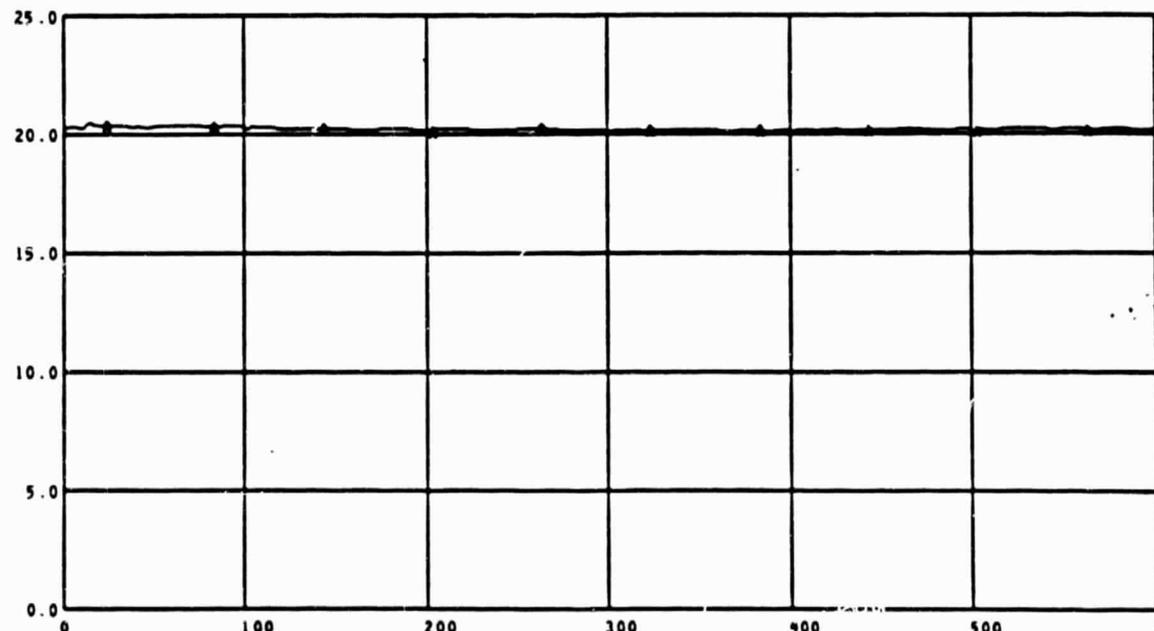
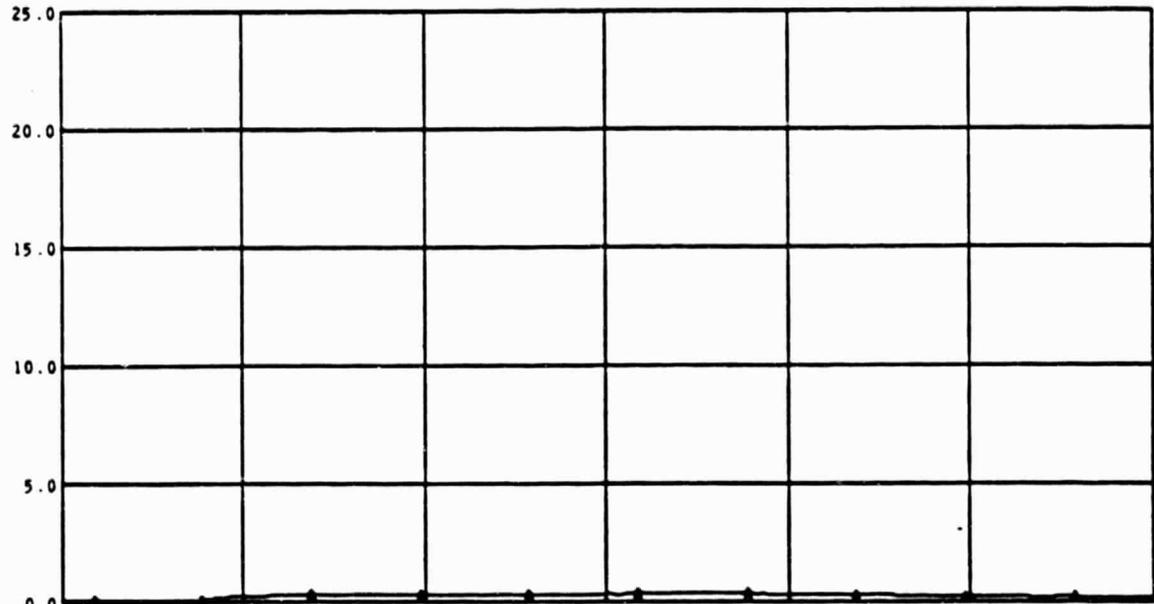
RANGE  
0.0 TO 25.0  
0.0 TO 25.0

UNITS GRID-SYM  
PCT AA  
PCT BA

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER  
CO2E  
O2E

CHANNEL ASGN.  
090  
099

TITLE  
CARBON DIOXIDE EXHAUST  
OXYGEN EXHAUST

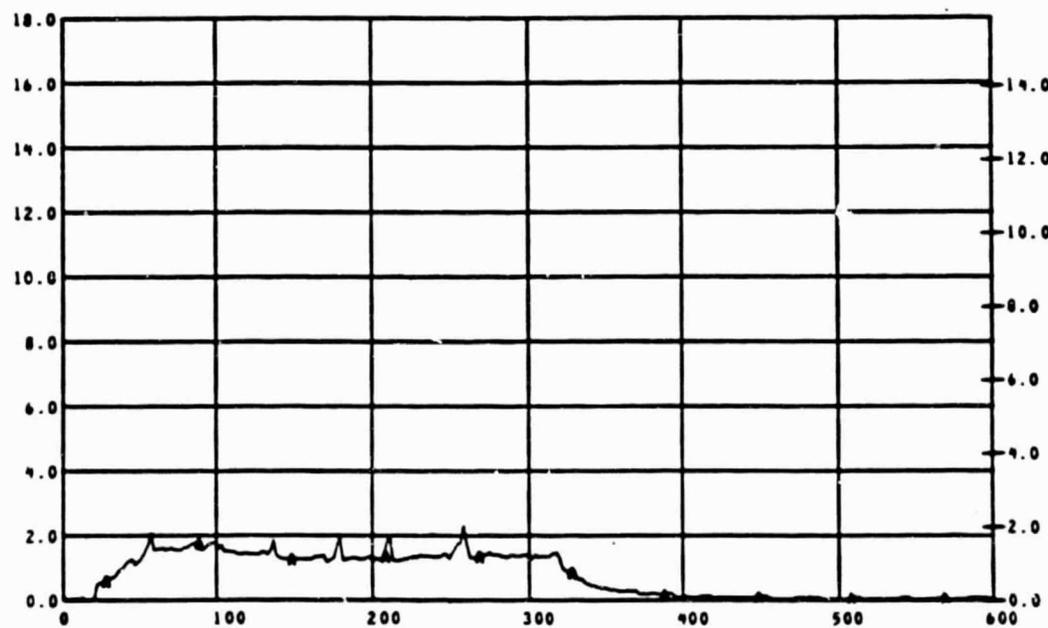
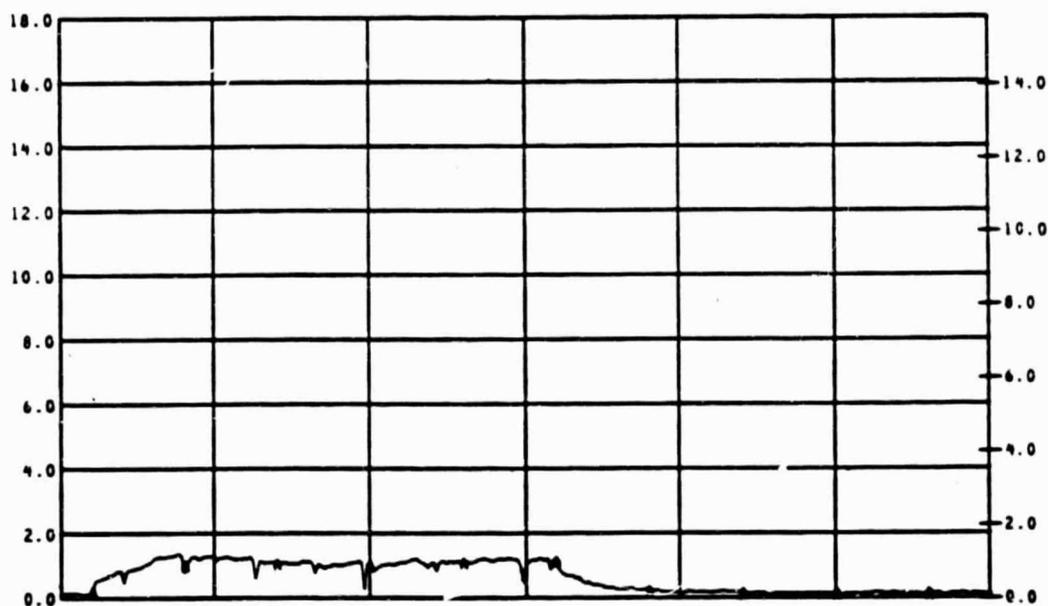
RANGE  
0.0 TO 25.0  
0.0 TO 25.0

UNITS GRID-SYM  
PCT AA  
PCT BA

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 10 05 16.000

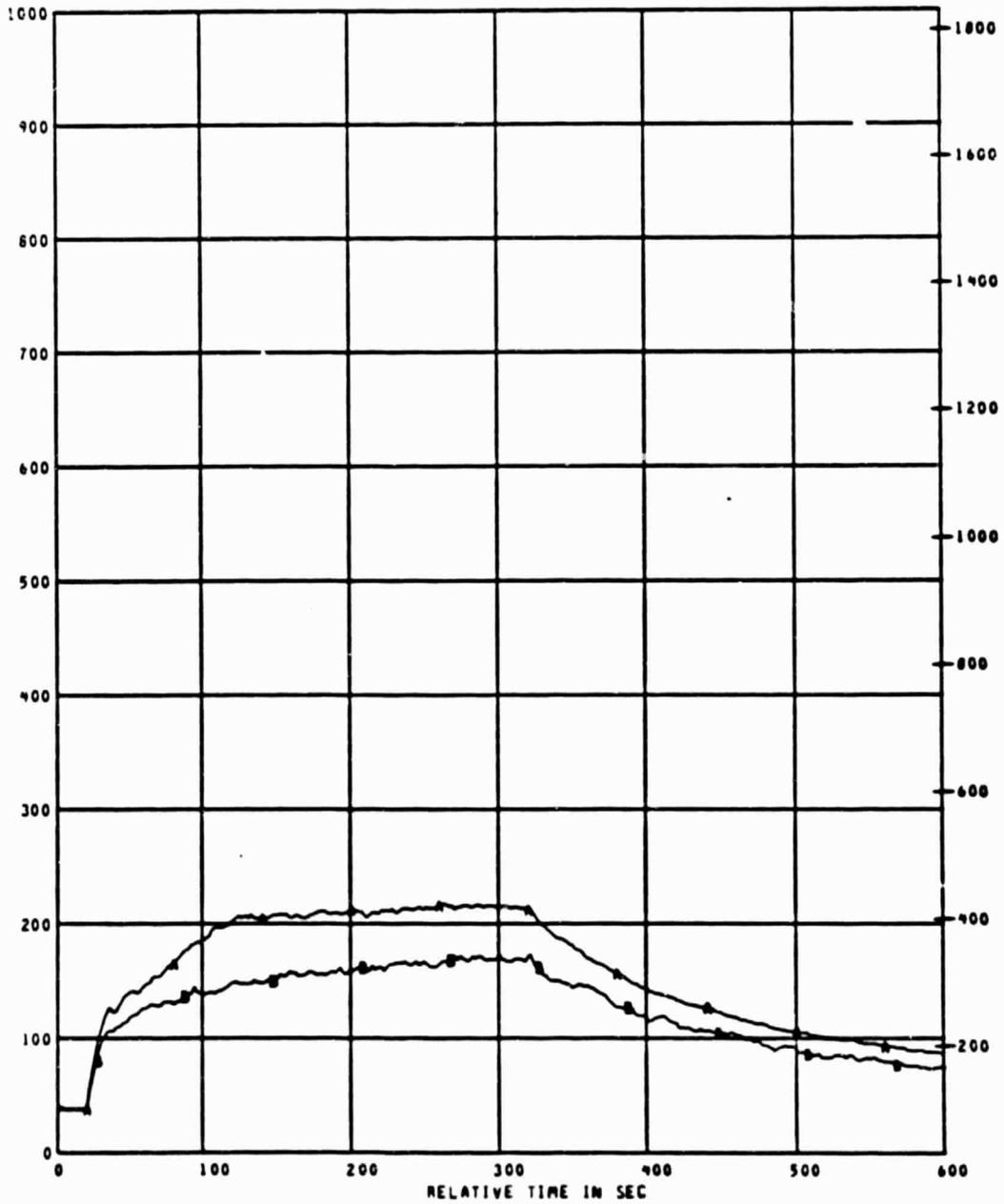


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 10 05 16.000

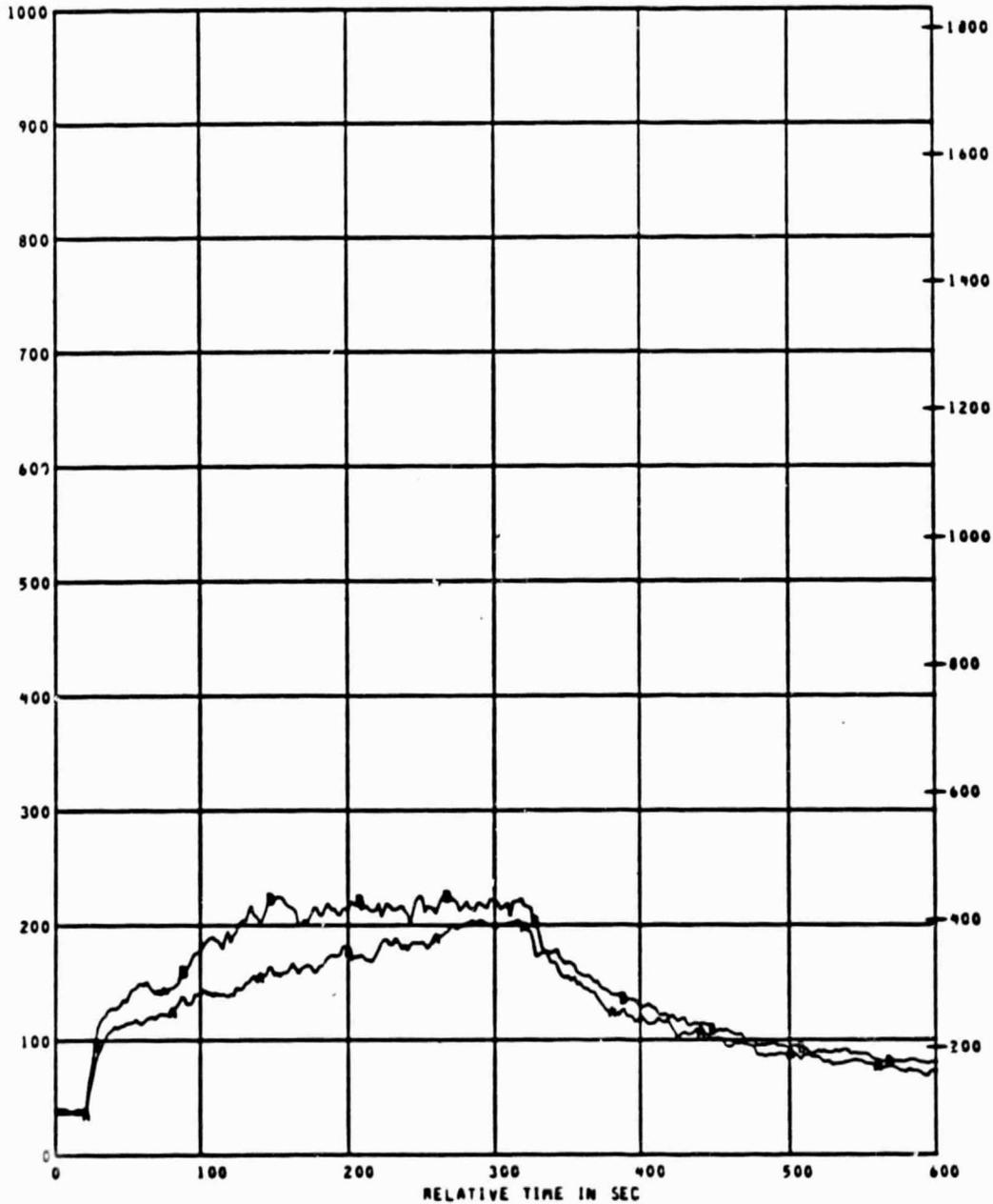


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 05 16.000



D  
E  
G  
F

MEAS. NUMBER  
\* TSL3  
\* TSC1

CHANNEL ASGN.  
103  
104

TITLE  
TEMP-SEAT LEFT REAR  
TEMP-SEAT CENTER FRONT

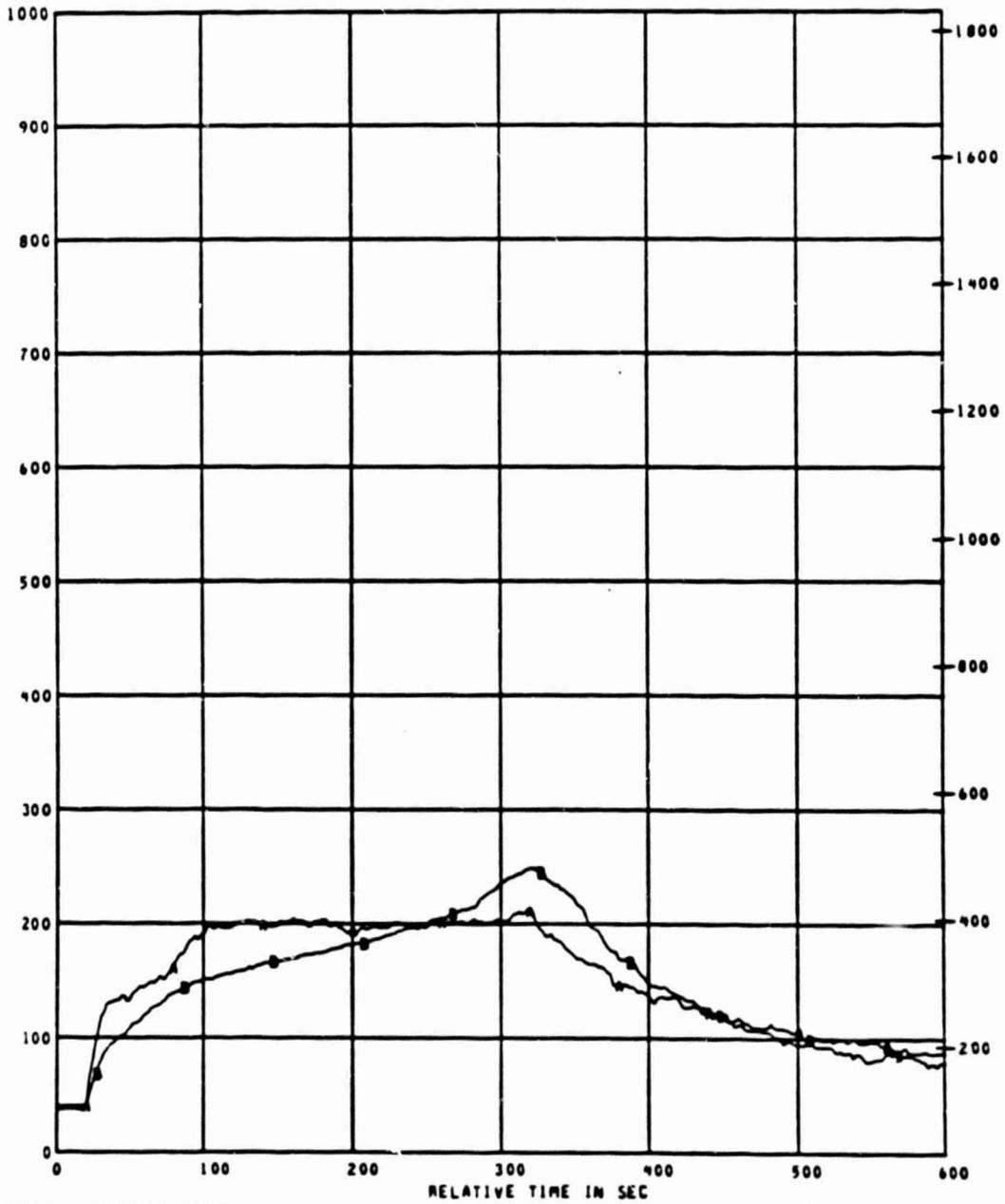
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 10 05 16.000



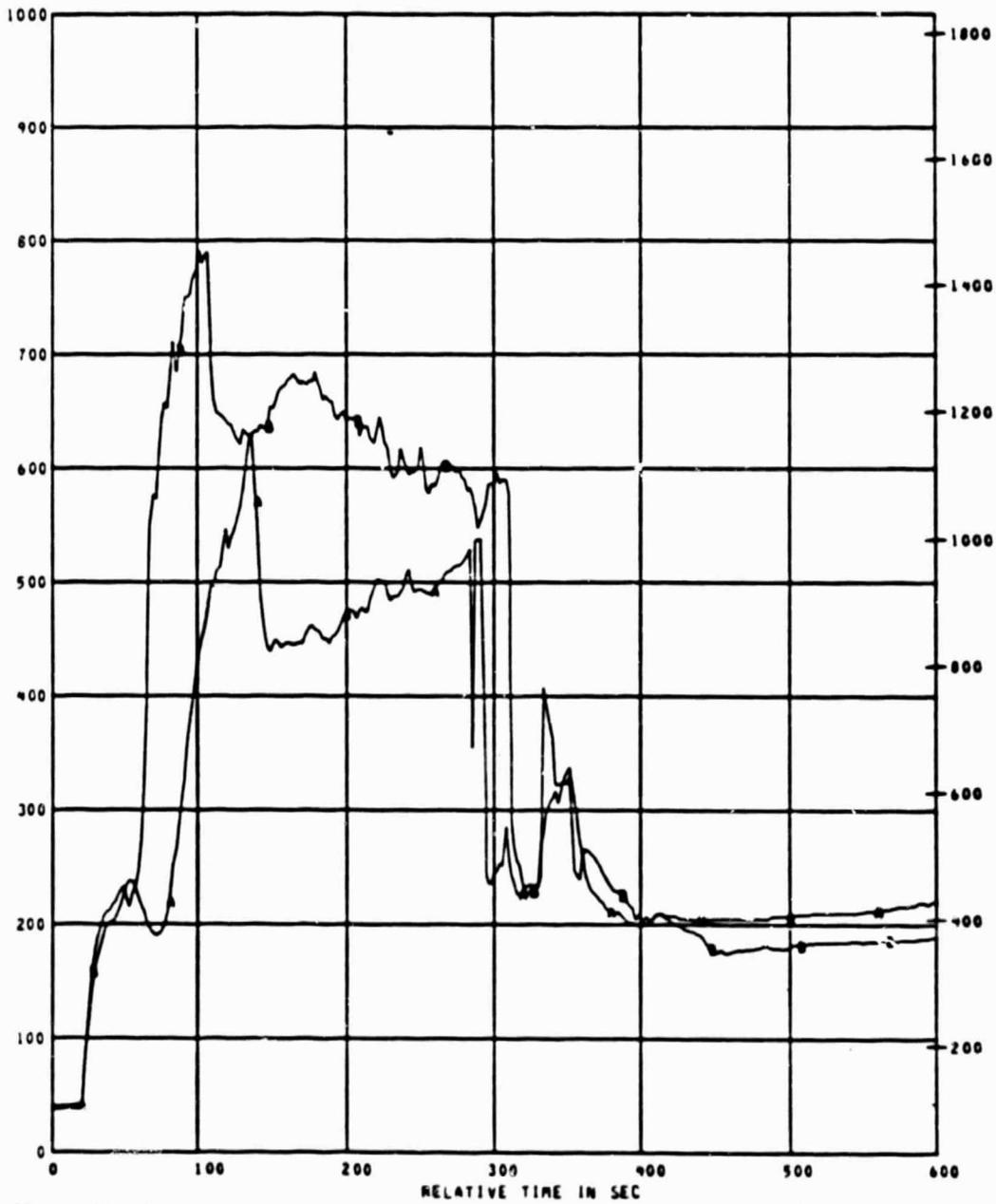
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA2

SEA7 TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 05 16.000



D  
E  
G  
F

MEAS. NUMBER  
\* TSR1  
\* TSR2

CHANNEL ASGN.  
107  
108

TITLE  
TEMP-SEAT RIGHT FRONT  
TEMP-SEAT RIGHT MIDDLE

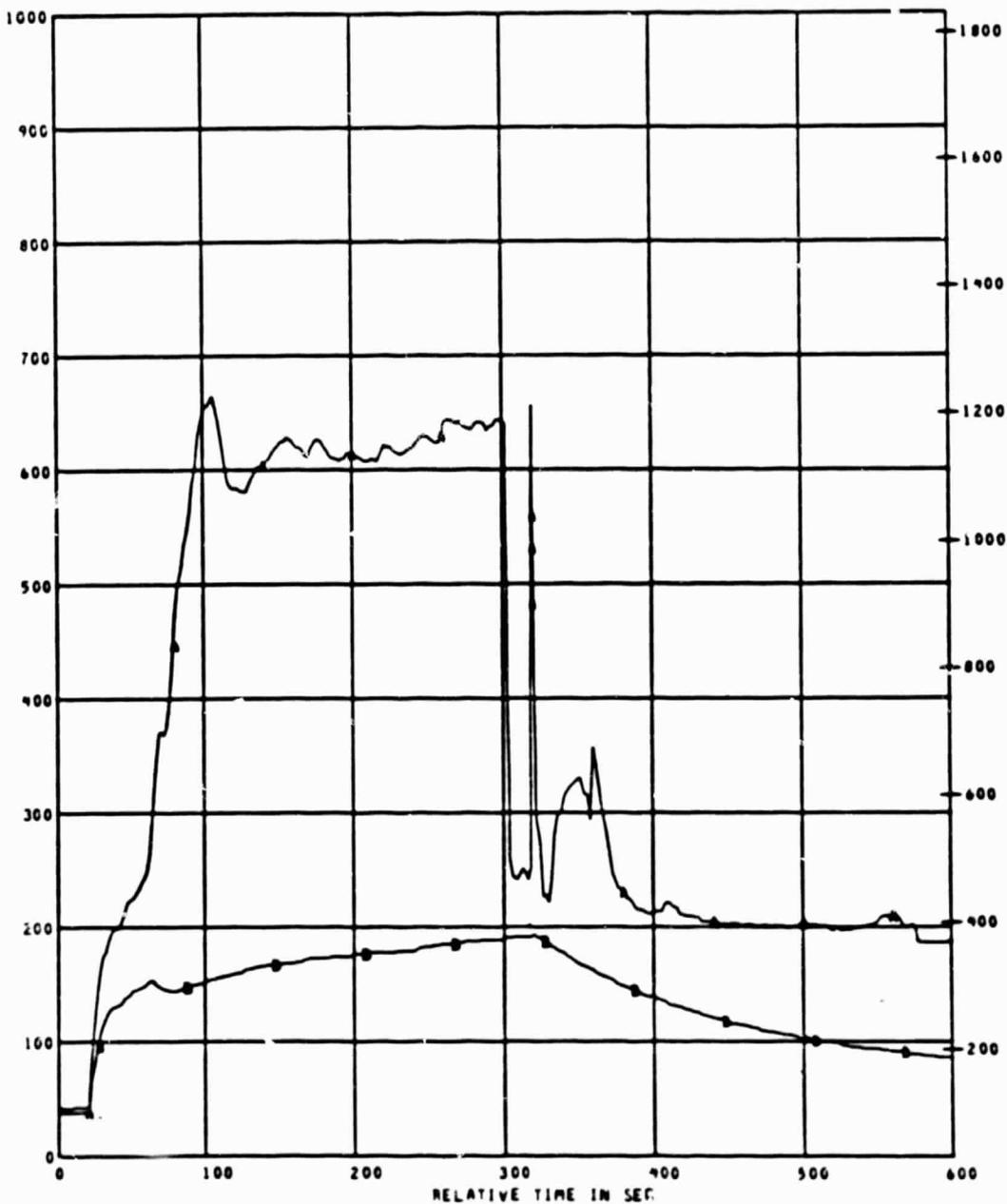
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 05 16.000

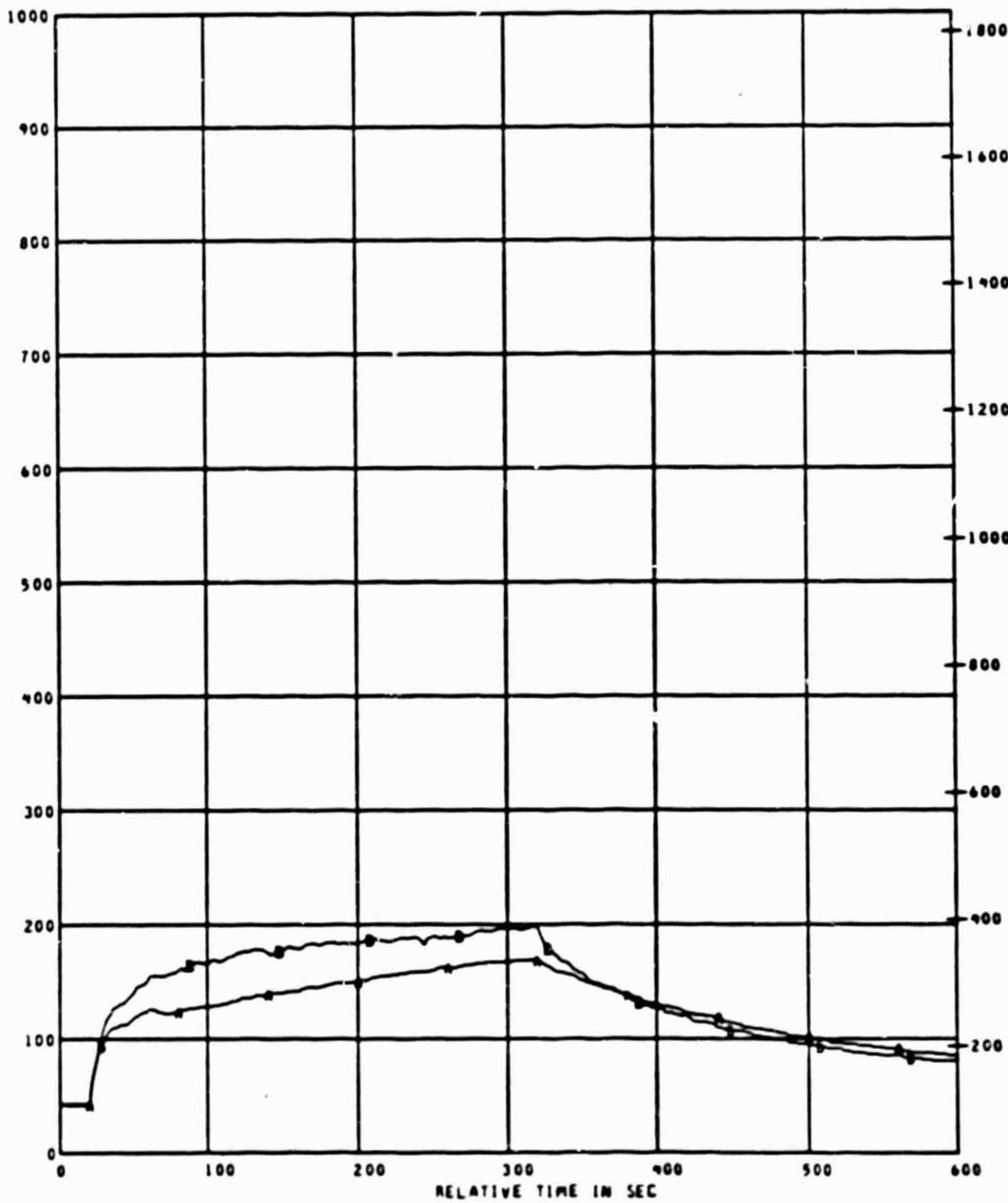


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSB3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AB
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 GS 16.000



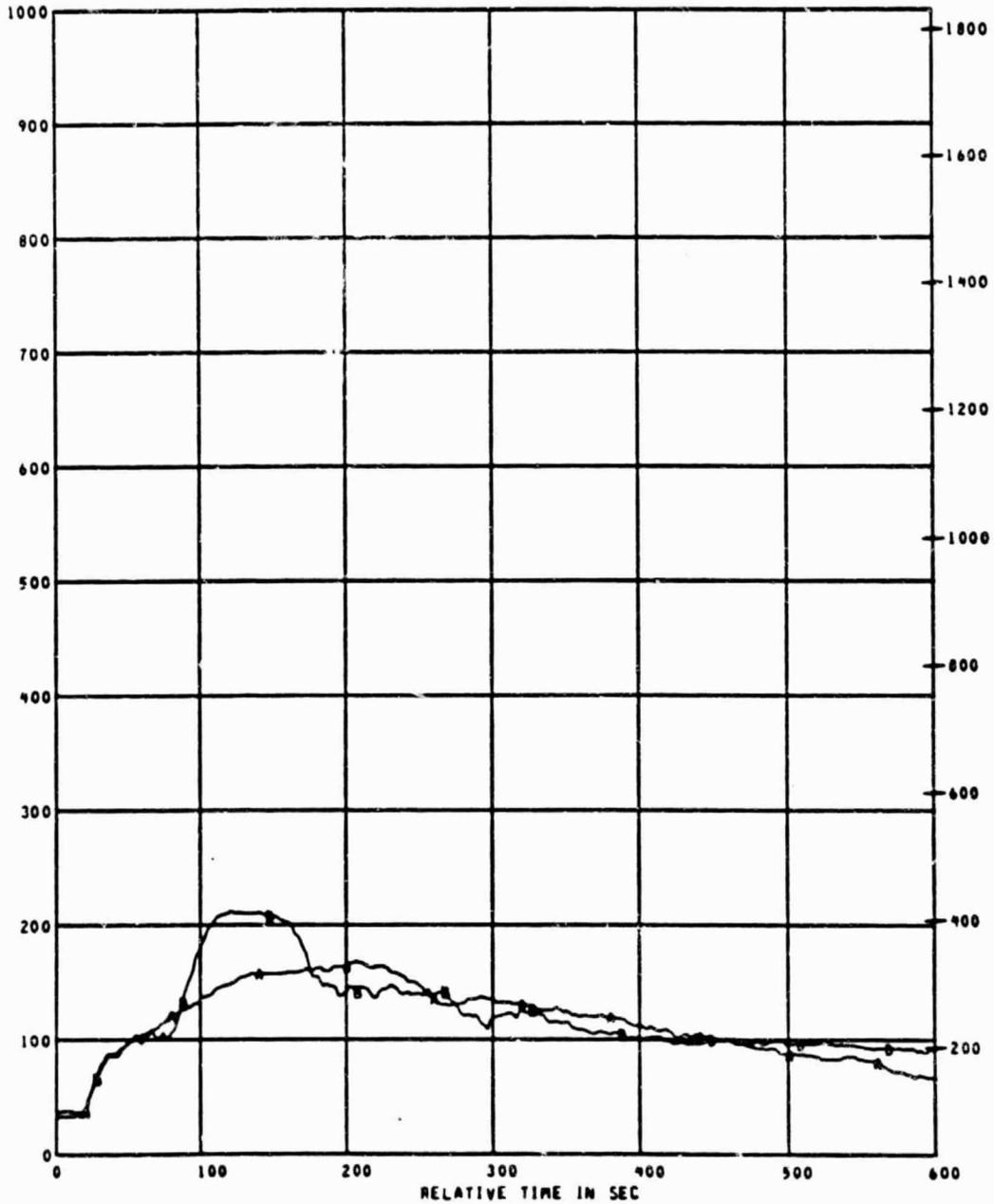
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
1 TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 05 16.000

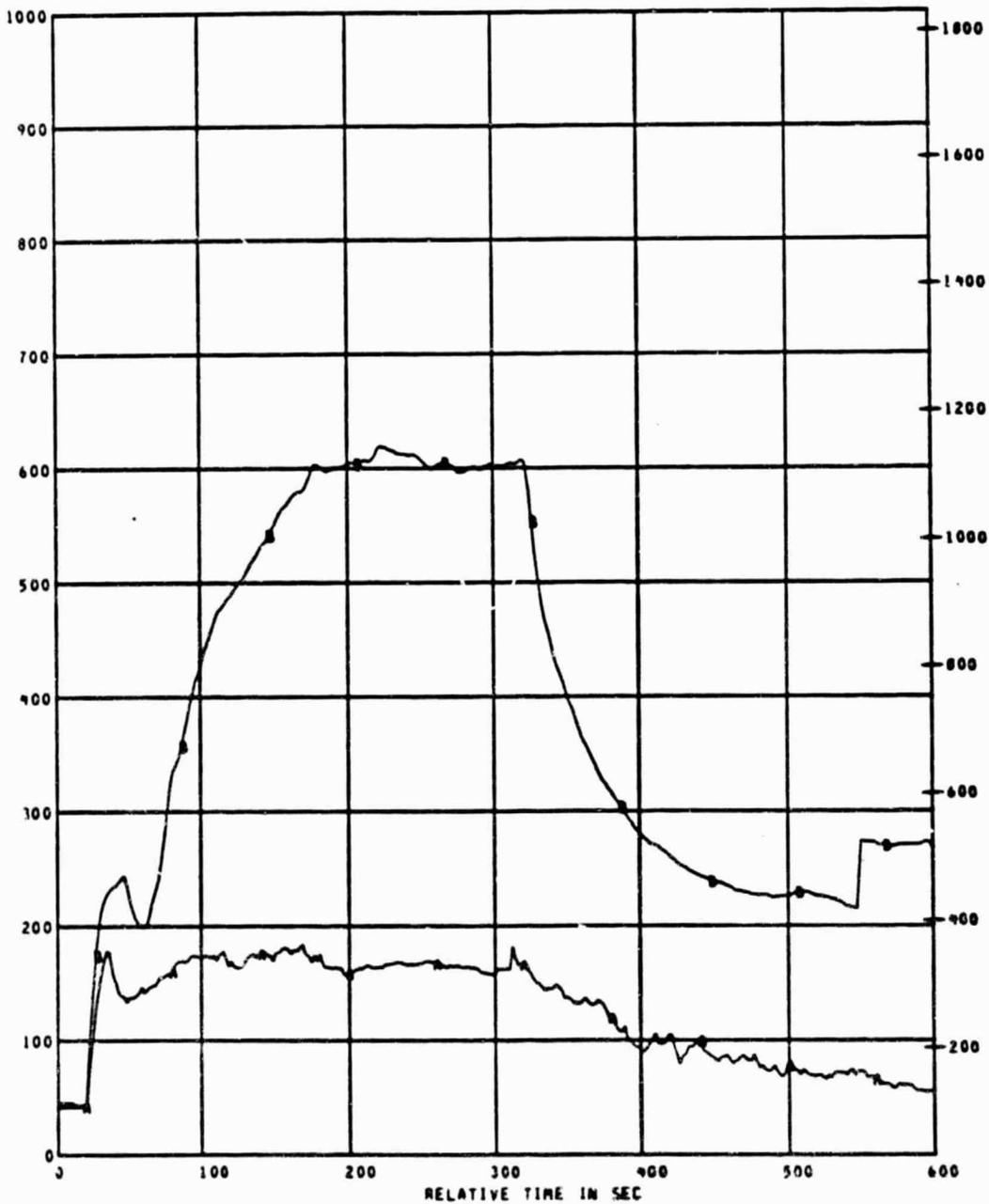


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
* TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 05 16.000



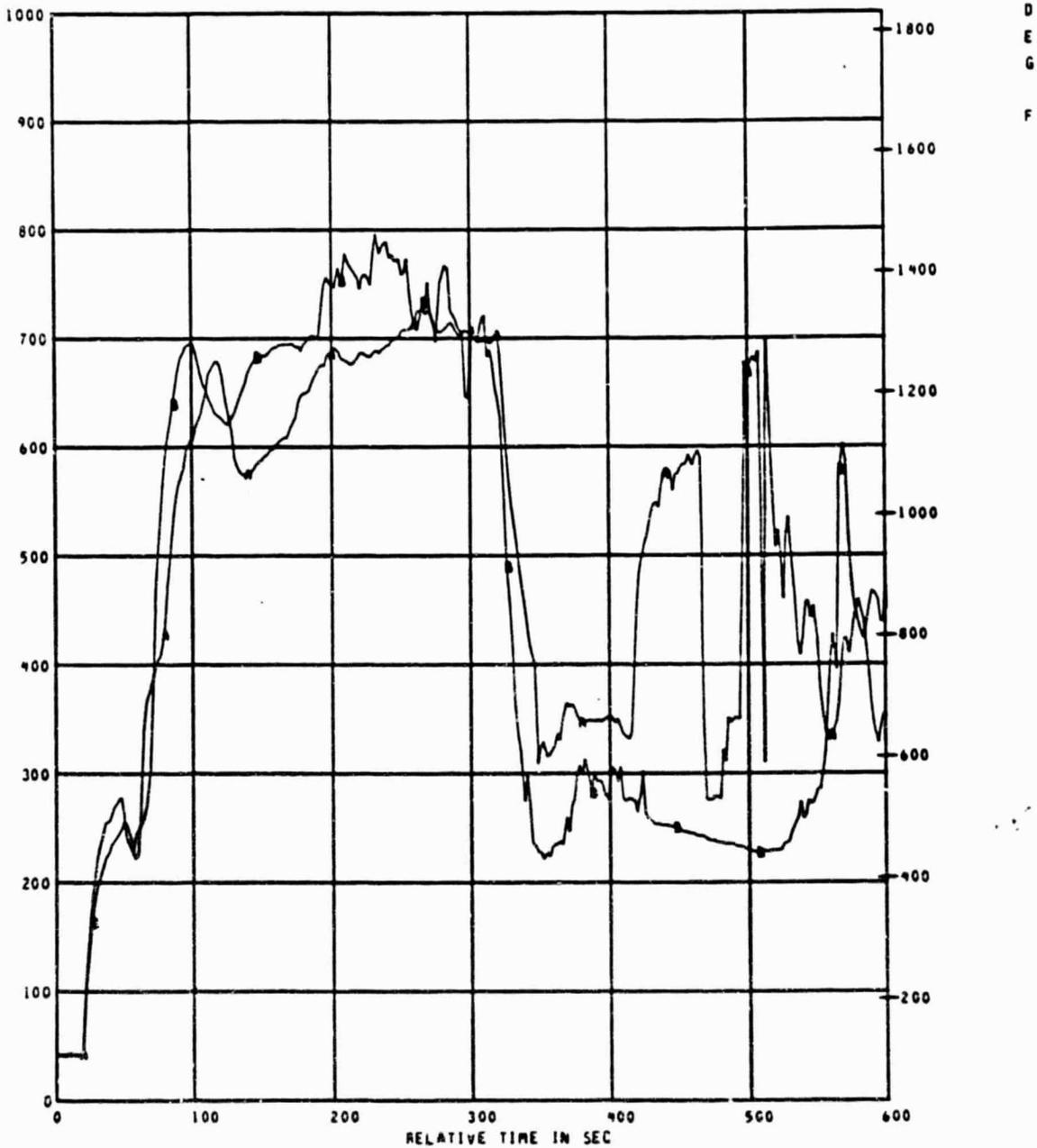
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 05 16.000



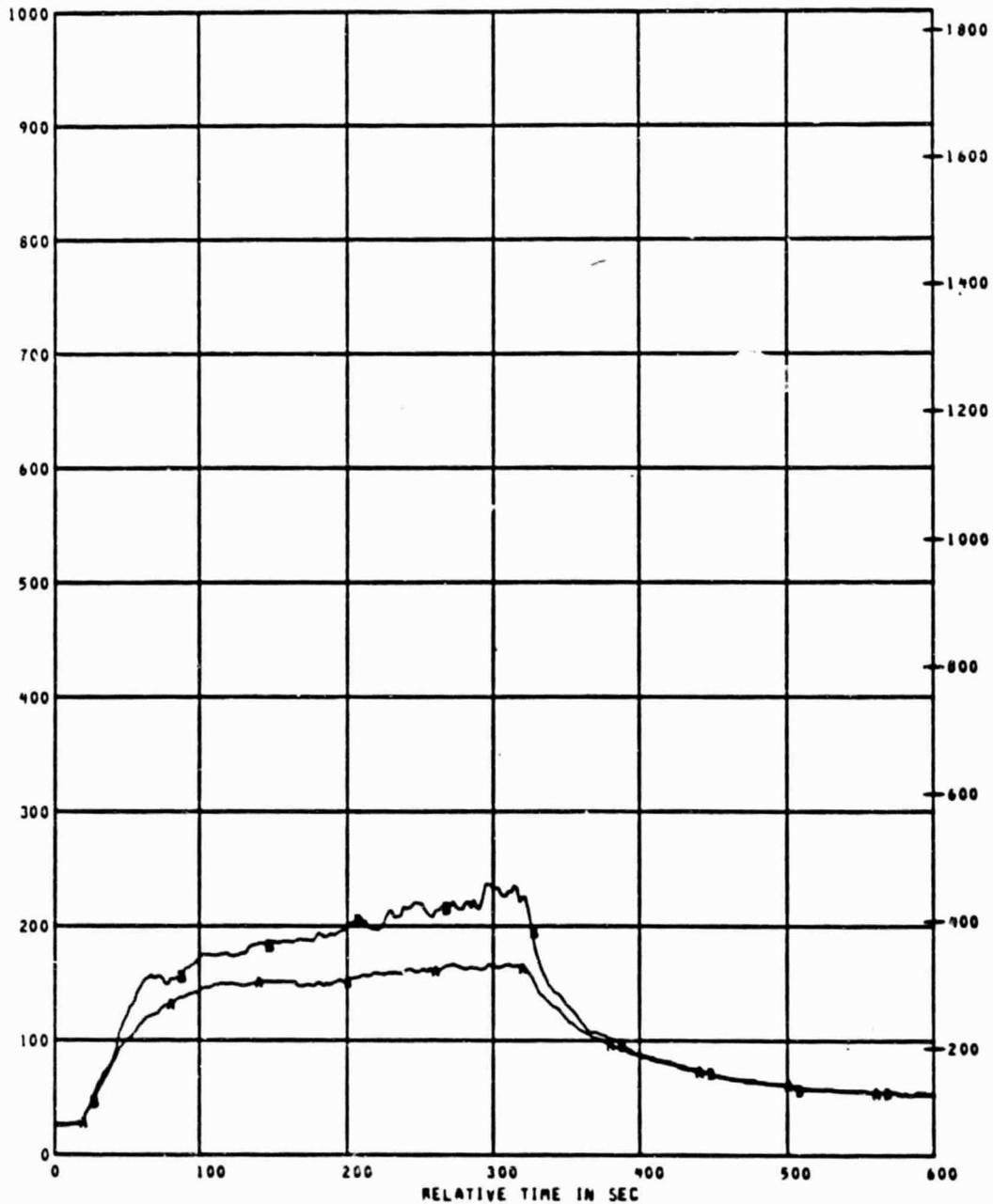
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
1 TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 05 16.000



D  
E  
G  
F

MEAS. NUMBER  
\* TCL  
\* YCR

CHANNEL ASGN.  
119  
120

TITLE  
TEMP-CEILING LEFT  
TEMP-CEILING RIGHT

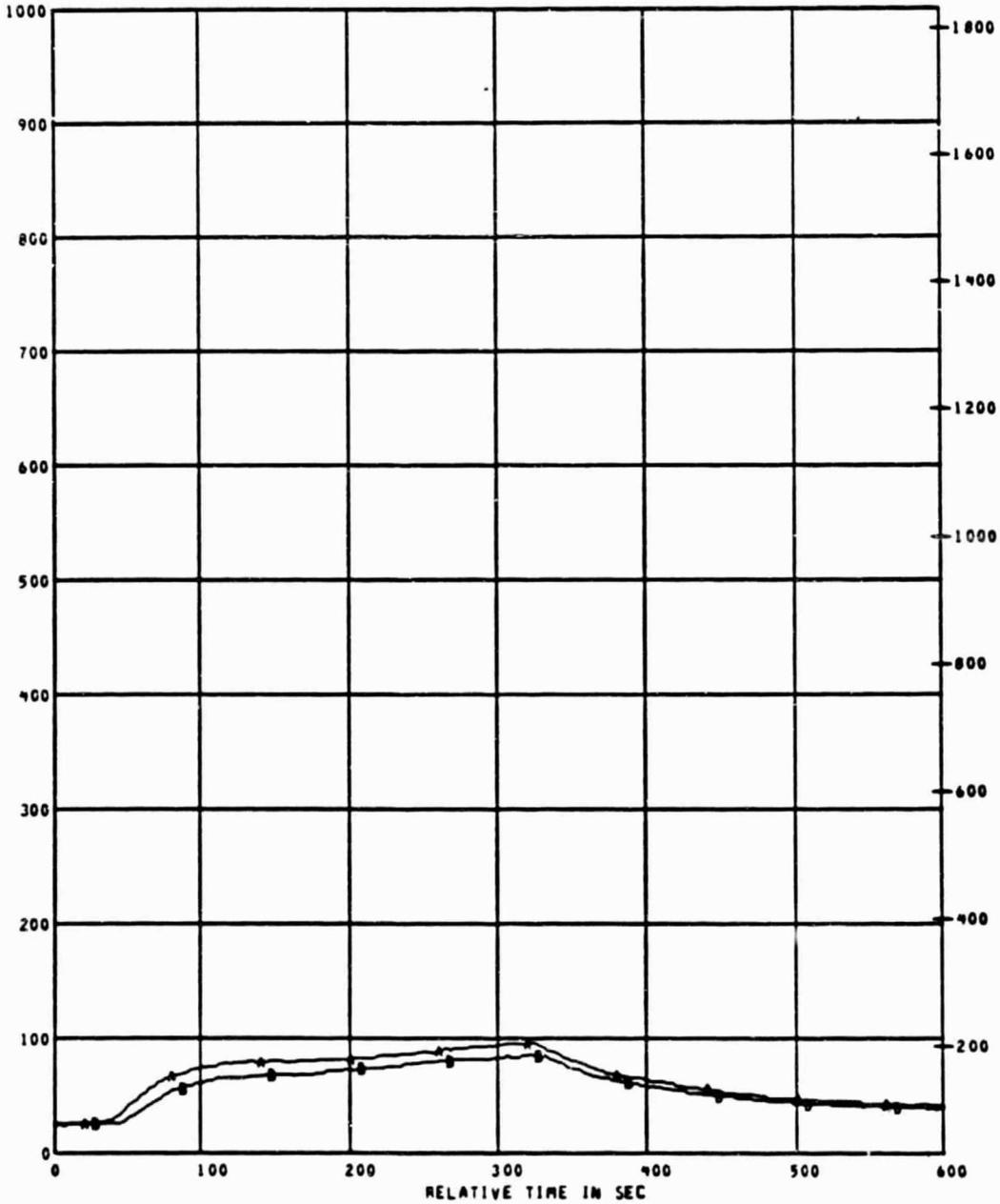
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 05 16.000



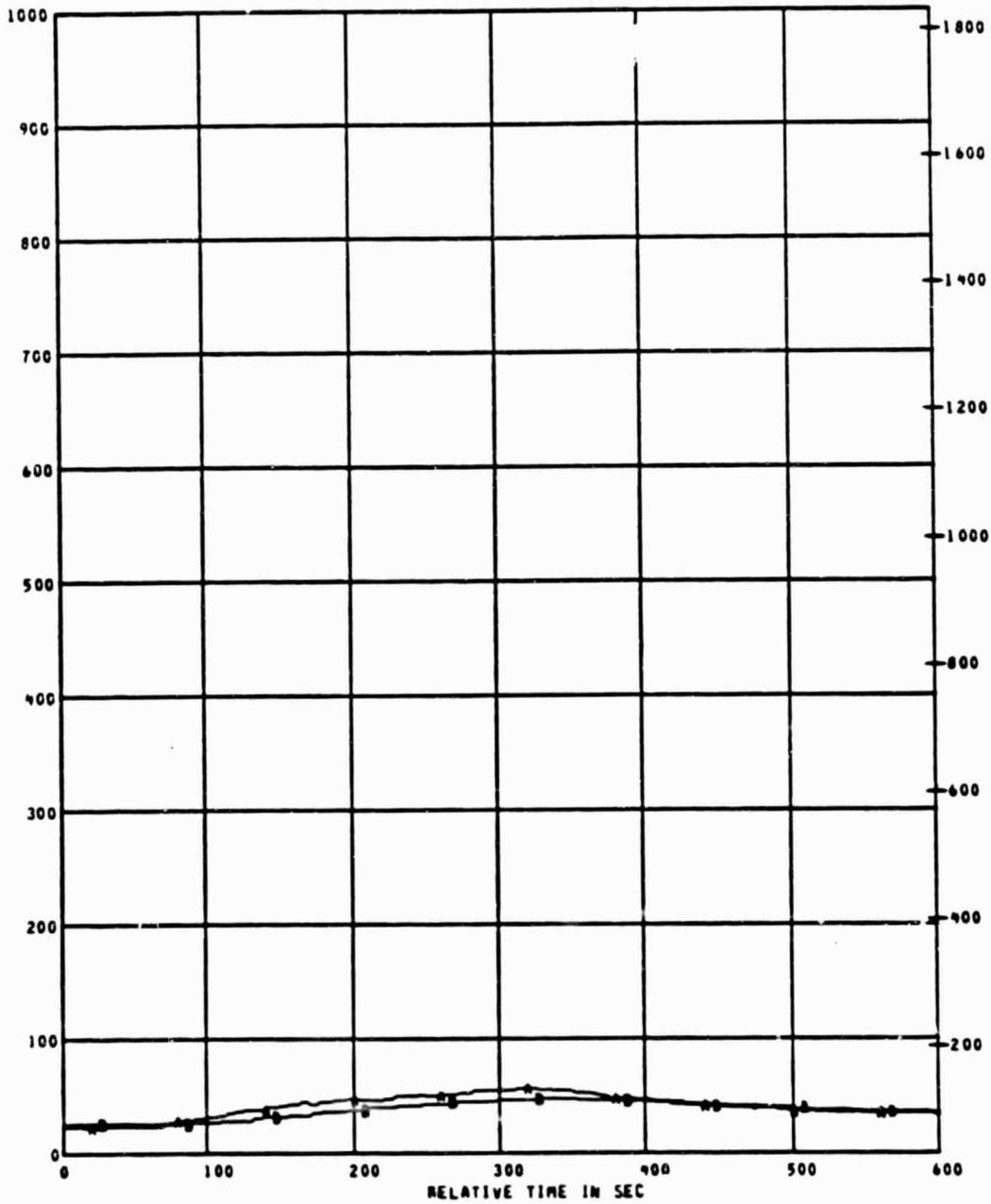
D  
E  
G  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
* TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 05 16.000

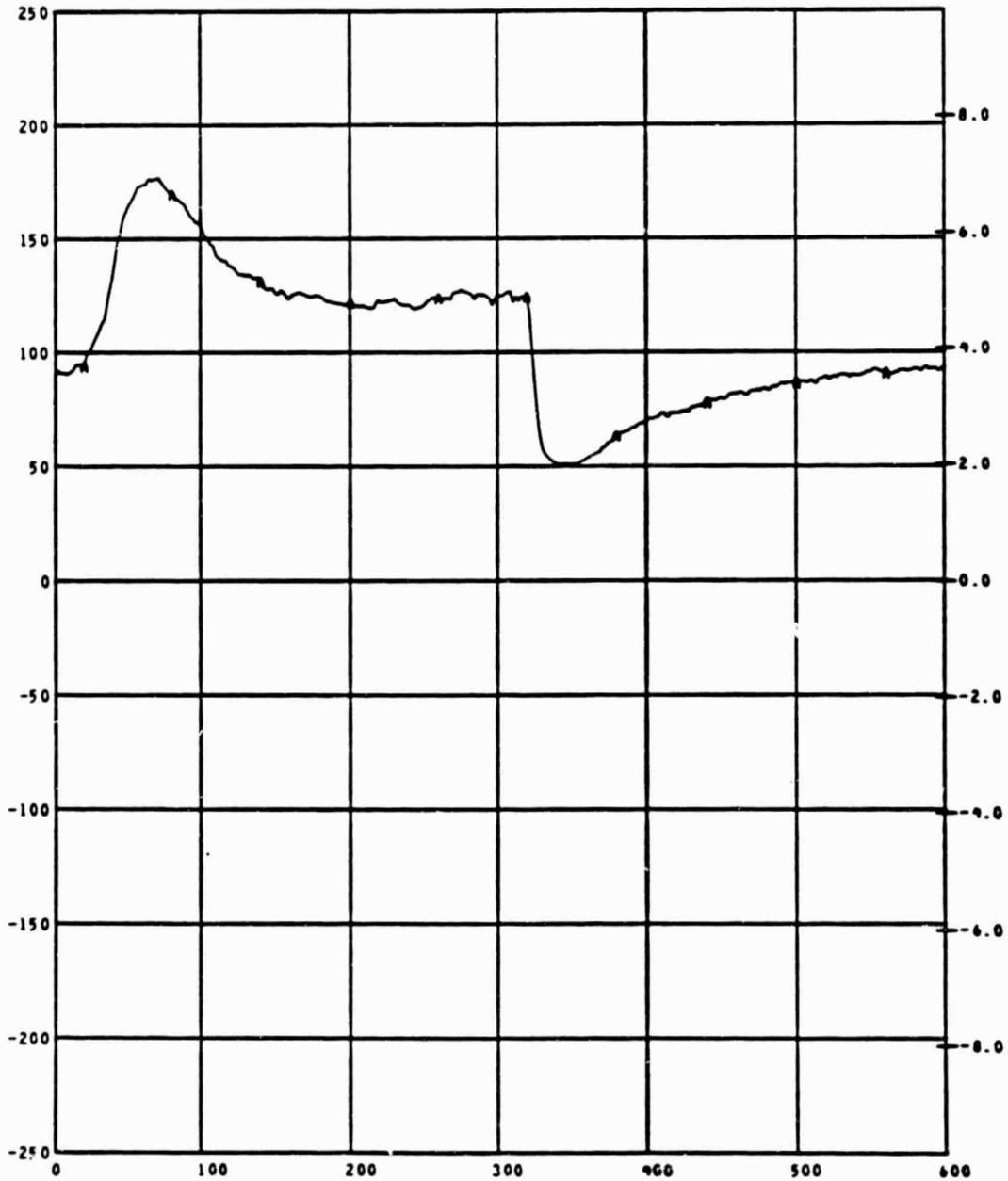


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TRC	123	TEMP-AIRAL CAGE	0 TO 1000	DEG C	AA
* TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 05 16.000



1  
N  
2  
0

MEAS. NUMBER  
s DPC

CHANNEL ASE#  
098

RELATIVE TIME IN SEC  
TITLE  
CABIN DELTA PRESSURE

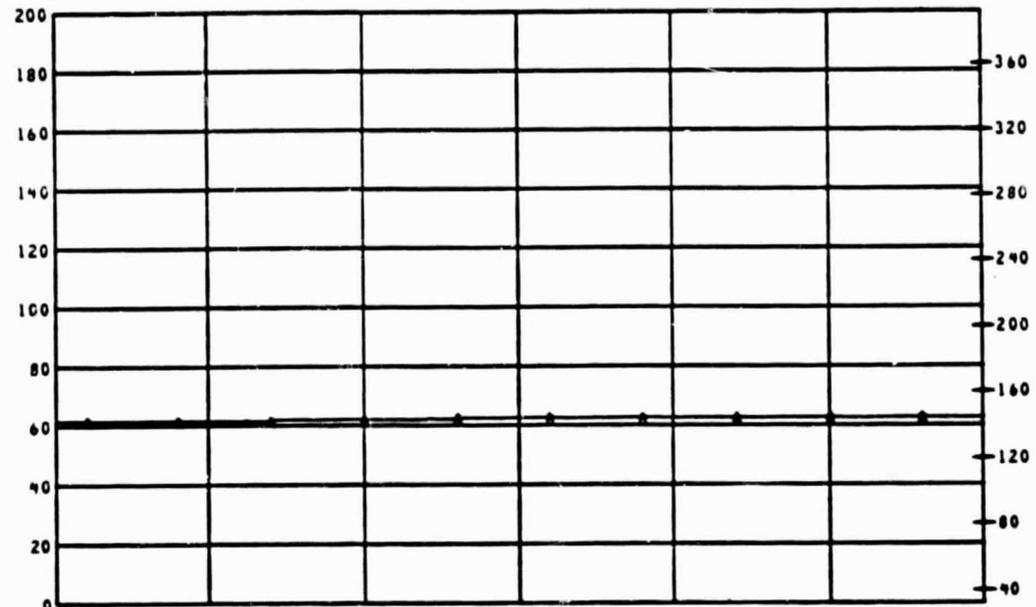
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM M20 AA

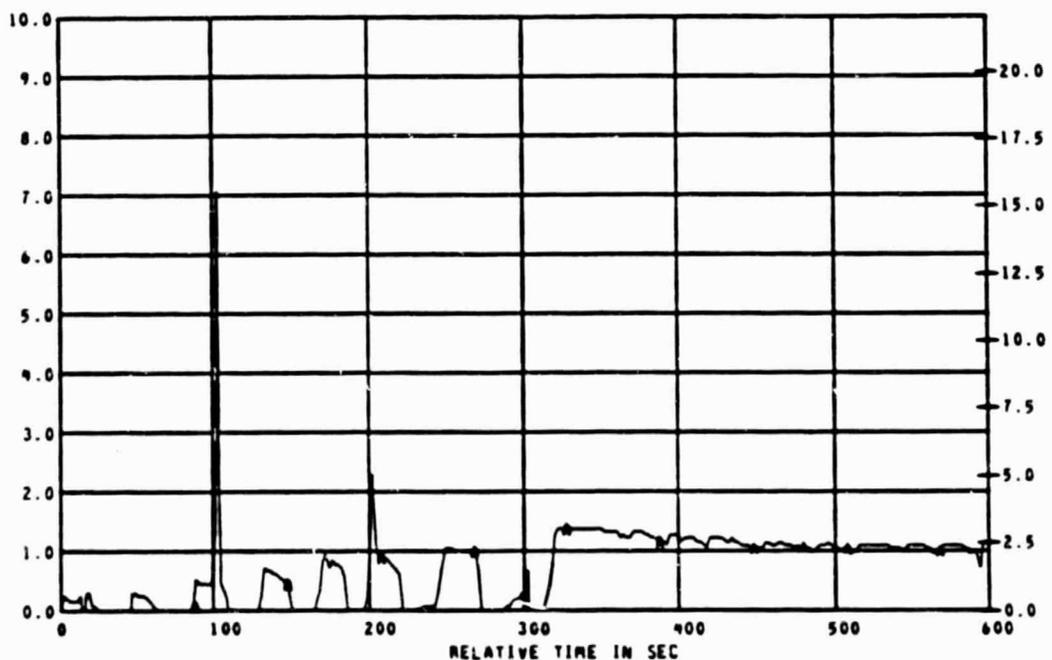
TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 05 16.000



D  
E  
G  
F



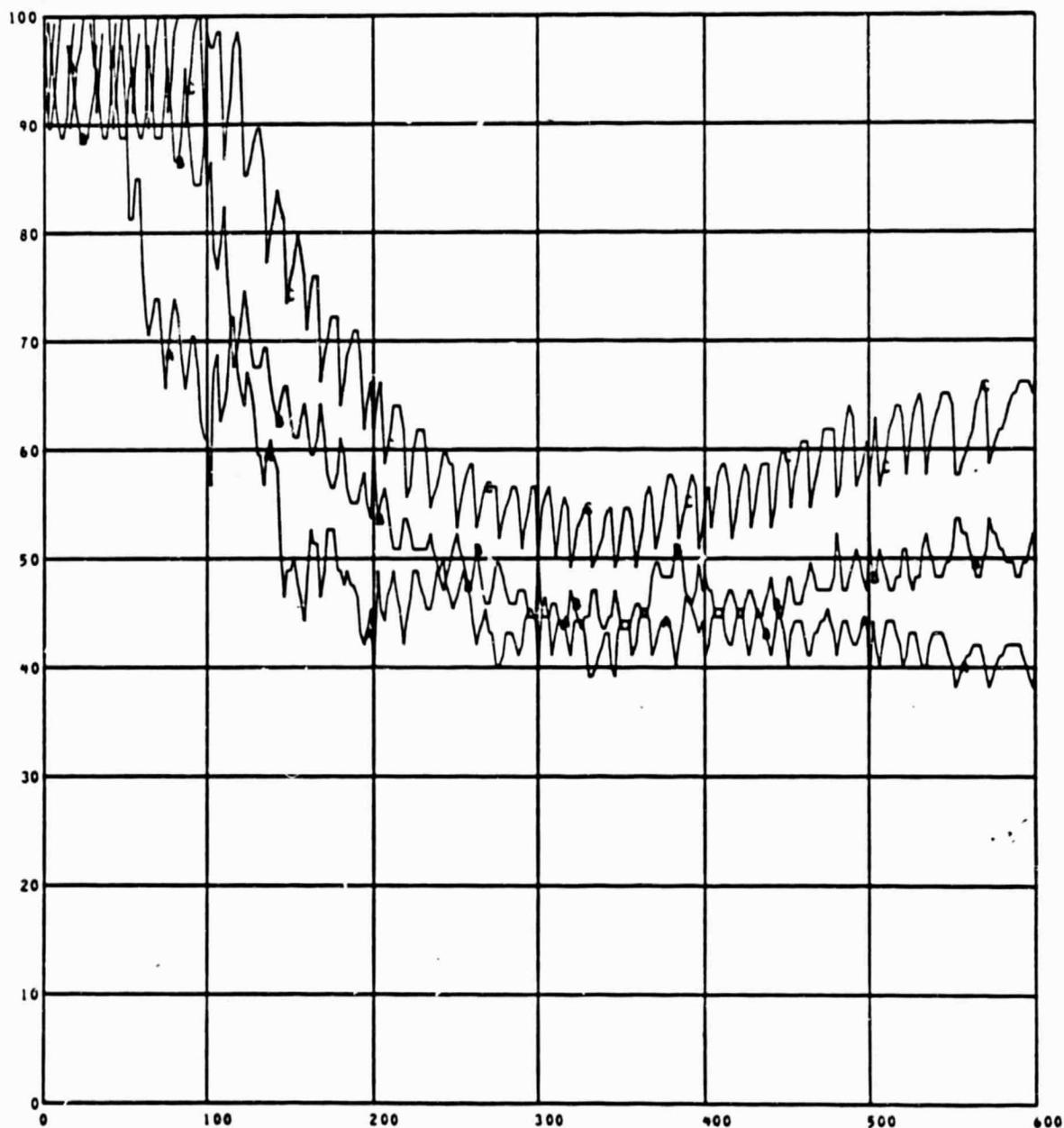
L  
B  
S

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
8 ML	199	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 13 11 05.000

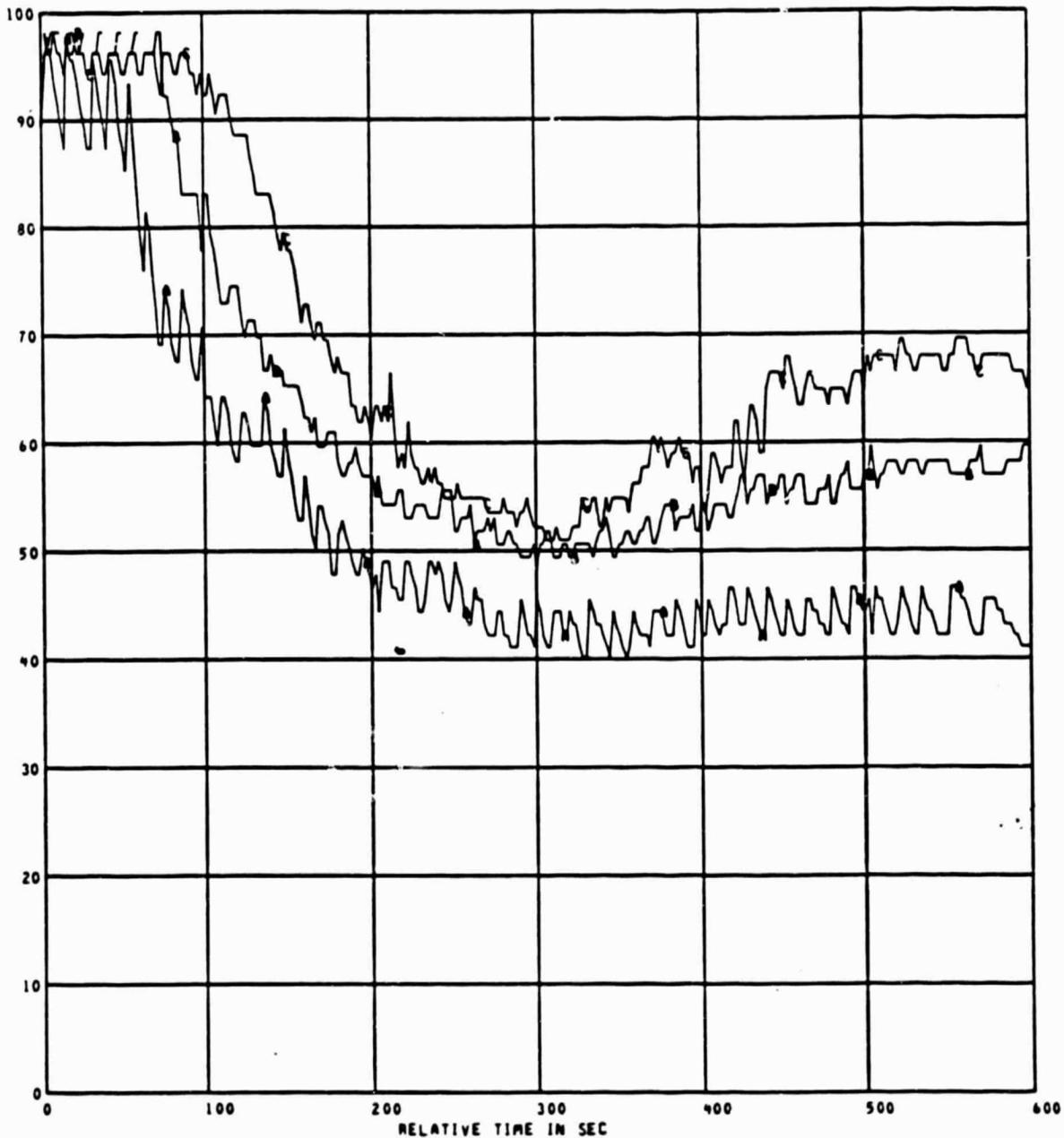


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 13 11 05.000

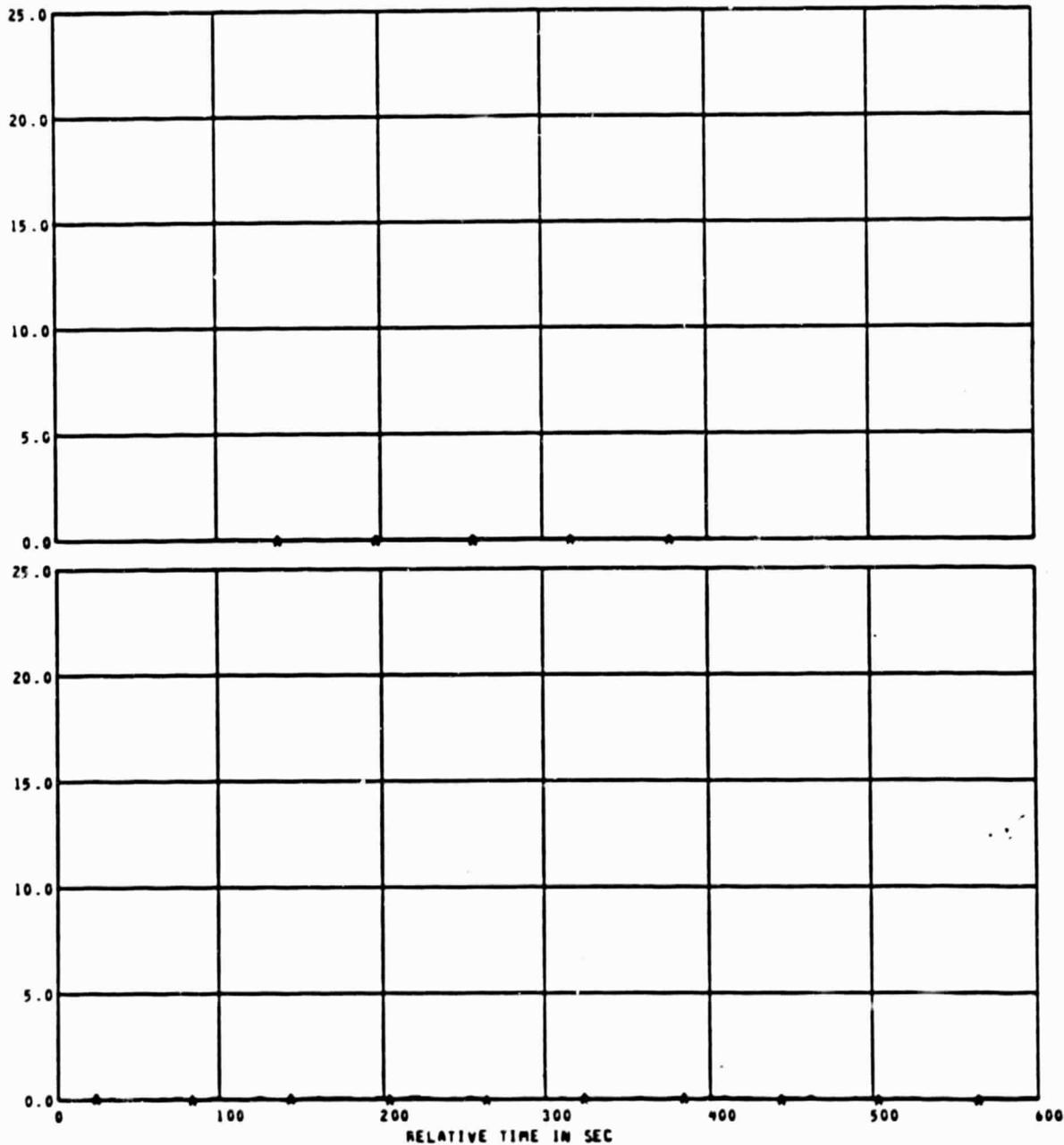


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 13 11 05.000

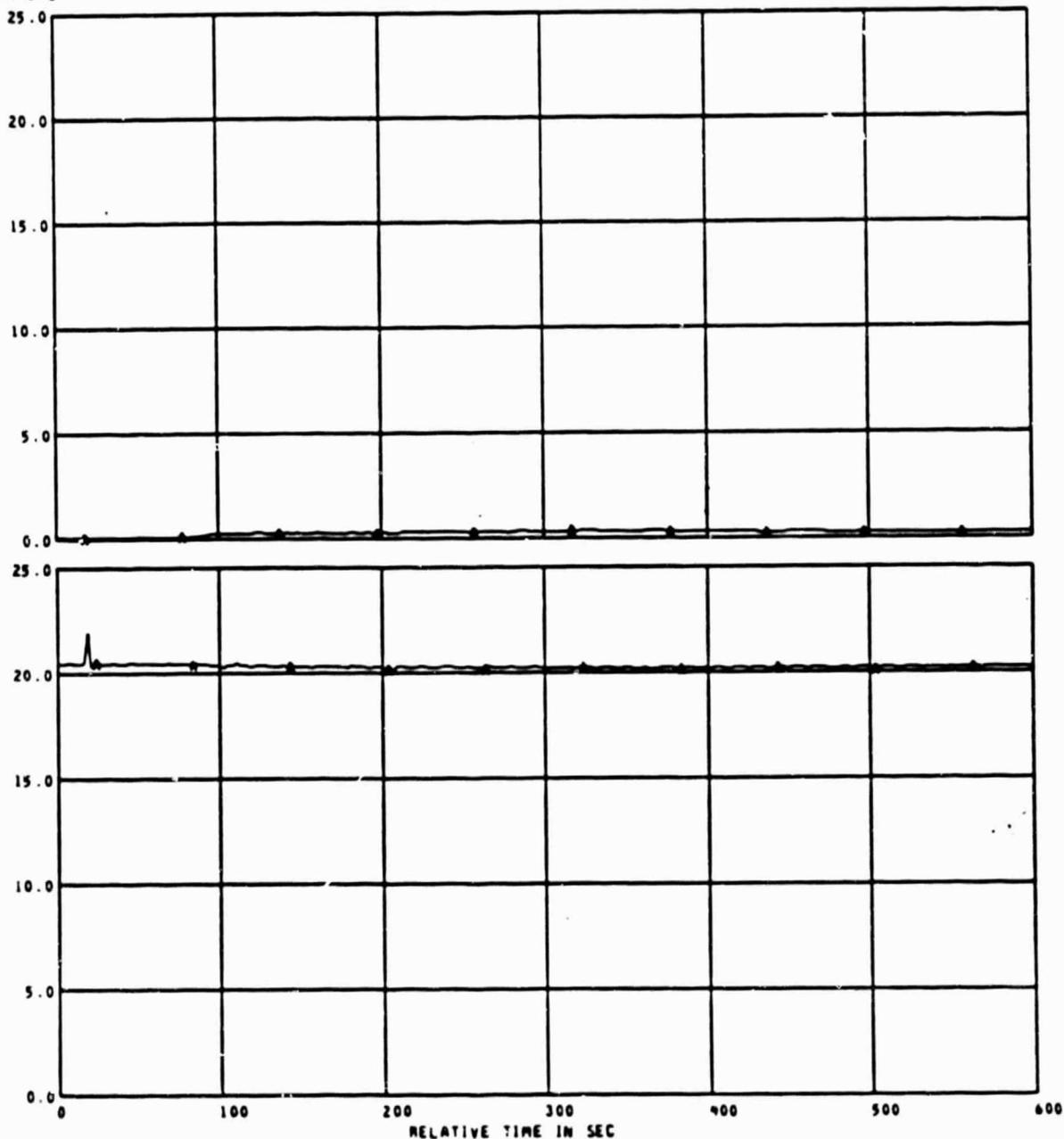


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	005	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	004	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 11 05.000

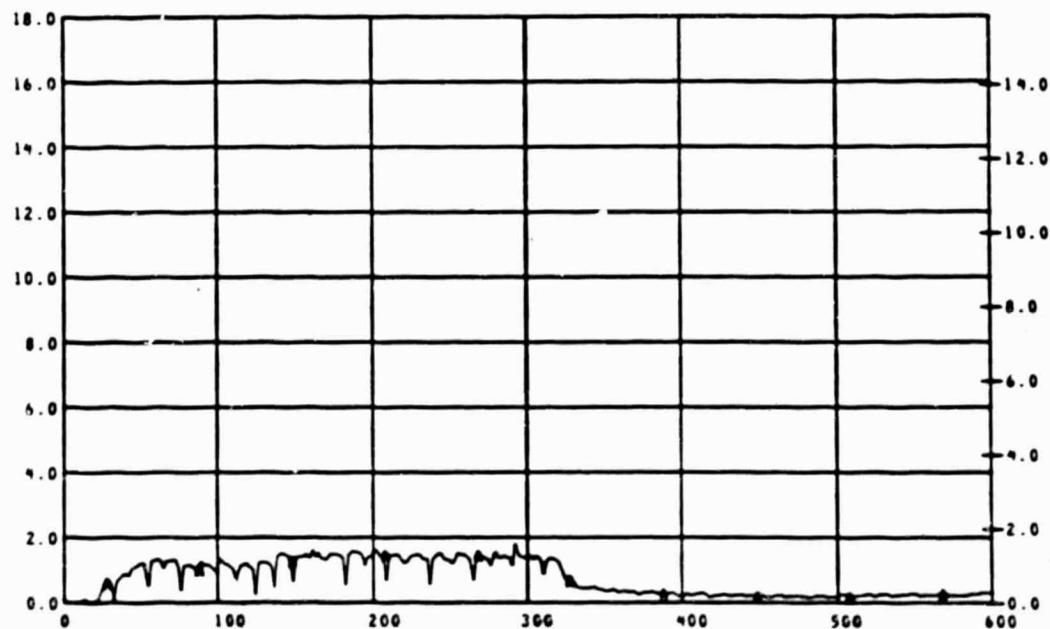
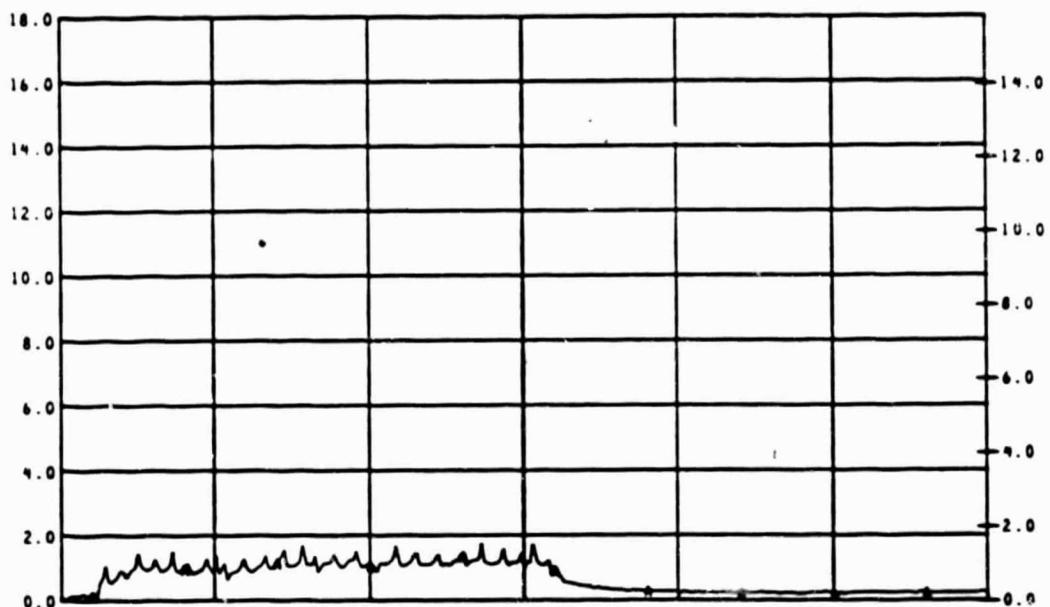


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 11 05.000

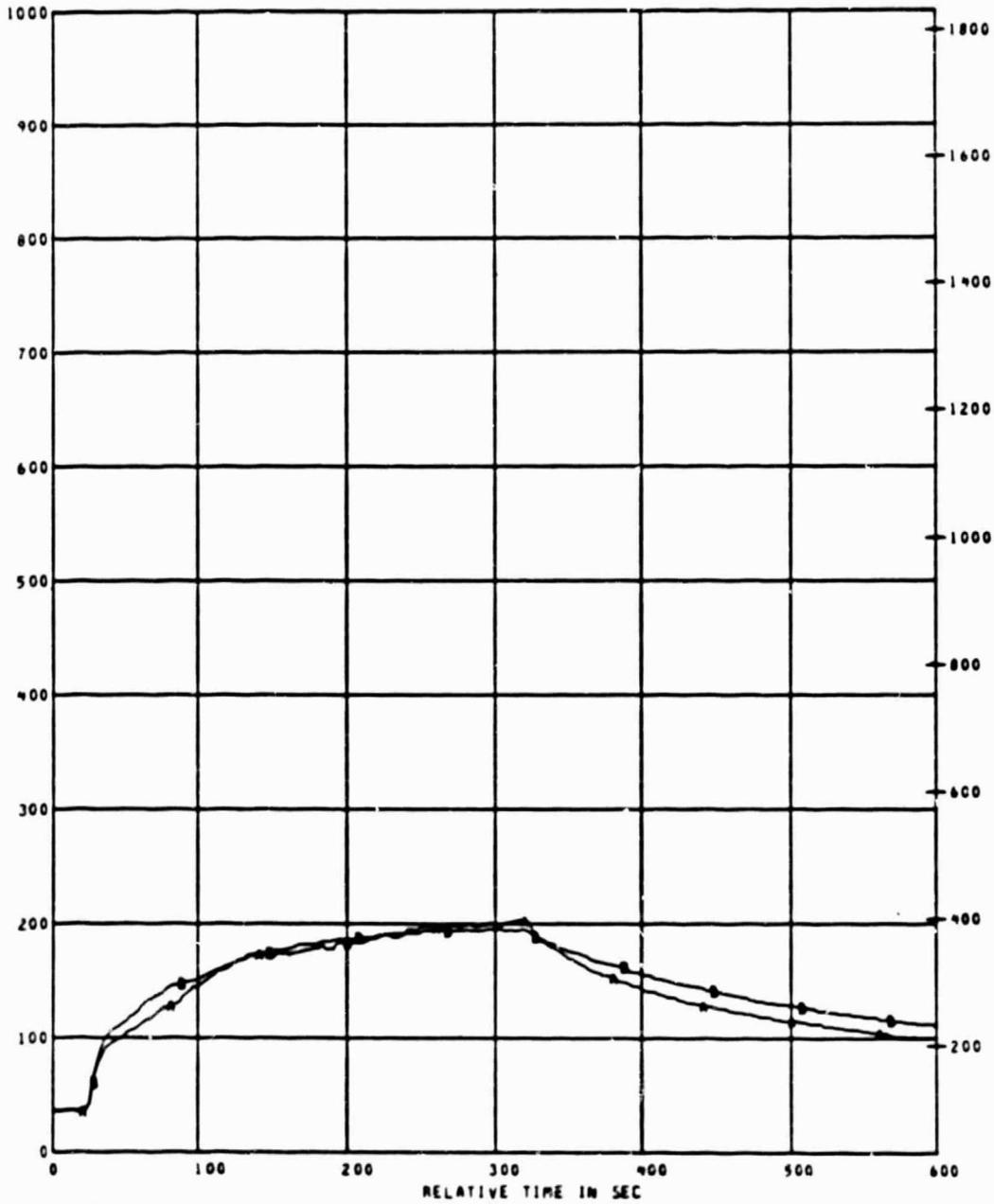


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
6 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
6 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 13 11 05.000



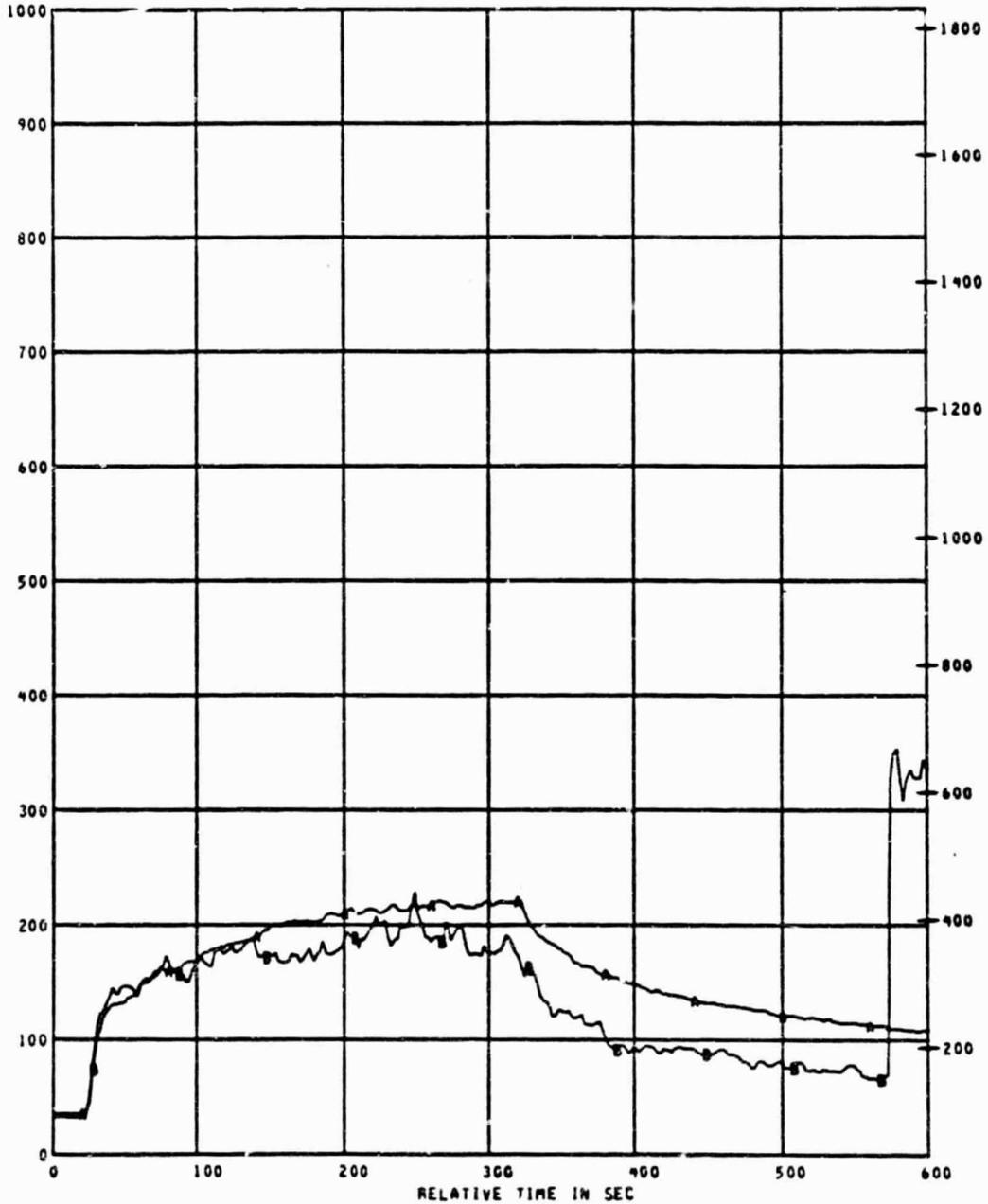
D  
E  
G  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 13 11 05.000



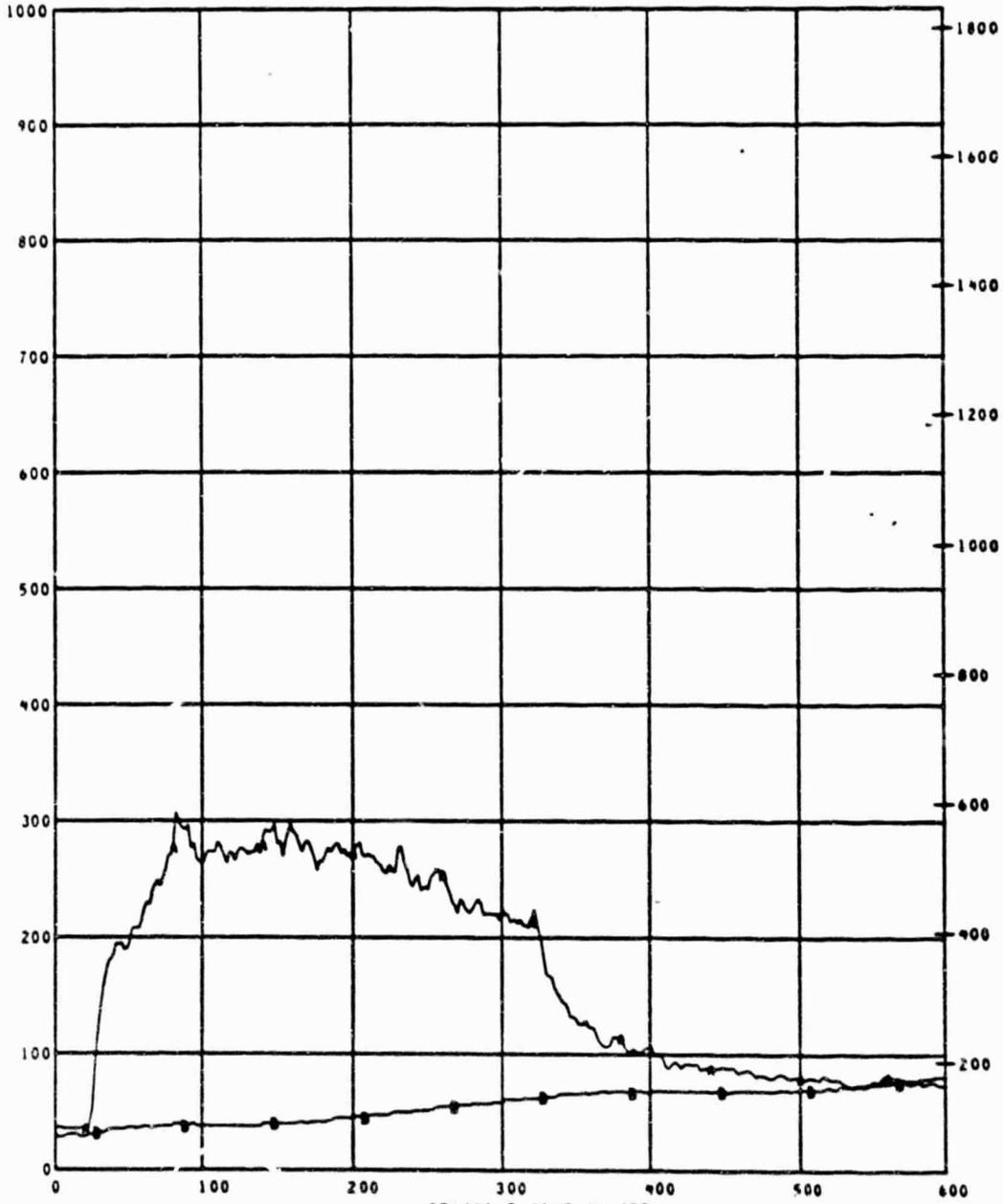
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANG.	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 9

- 1

REFERENCE TIME 13 11 05.000



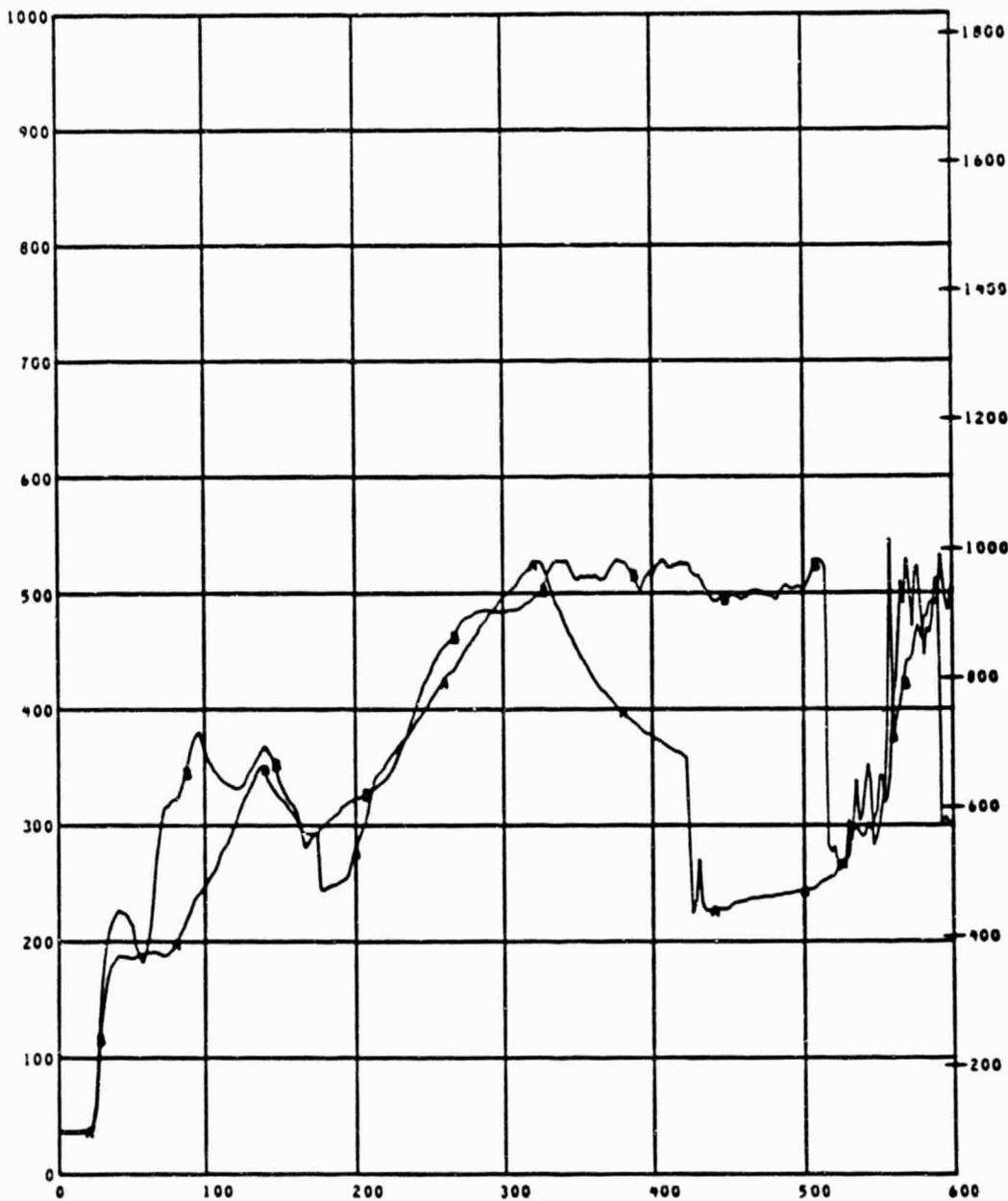
D  
E  
G  
F

REAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 11 05.000

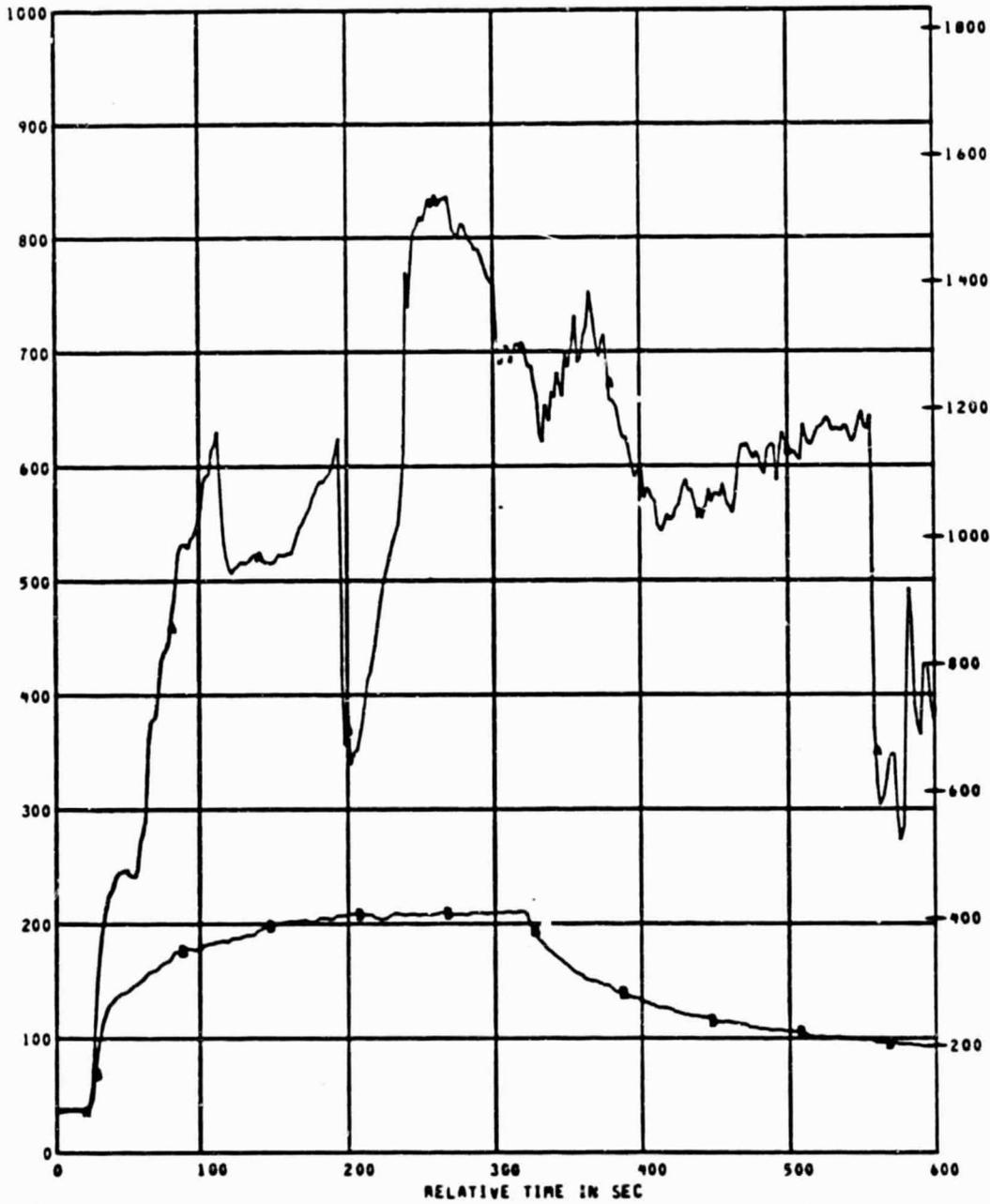


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 13 11 05.000



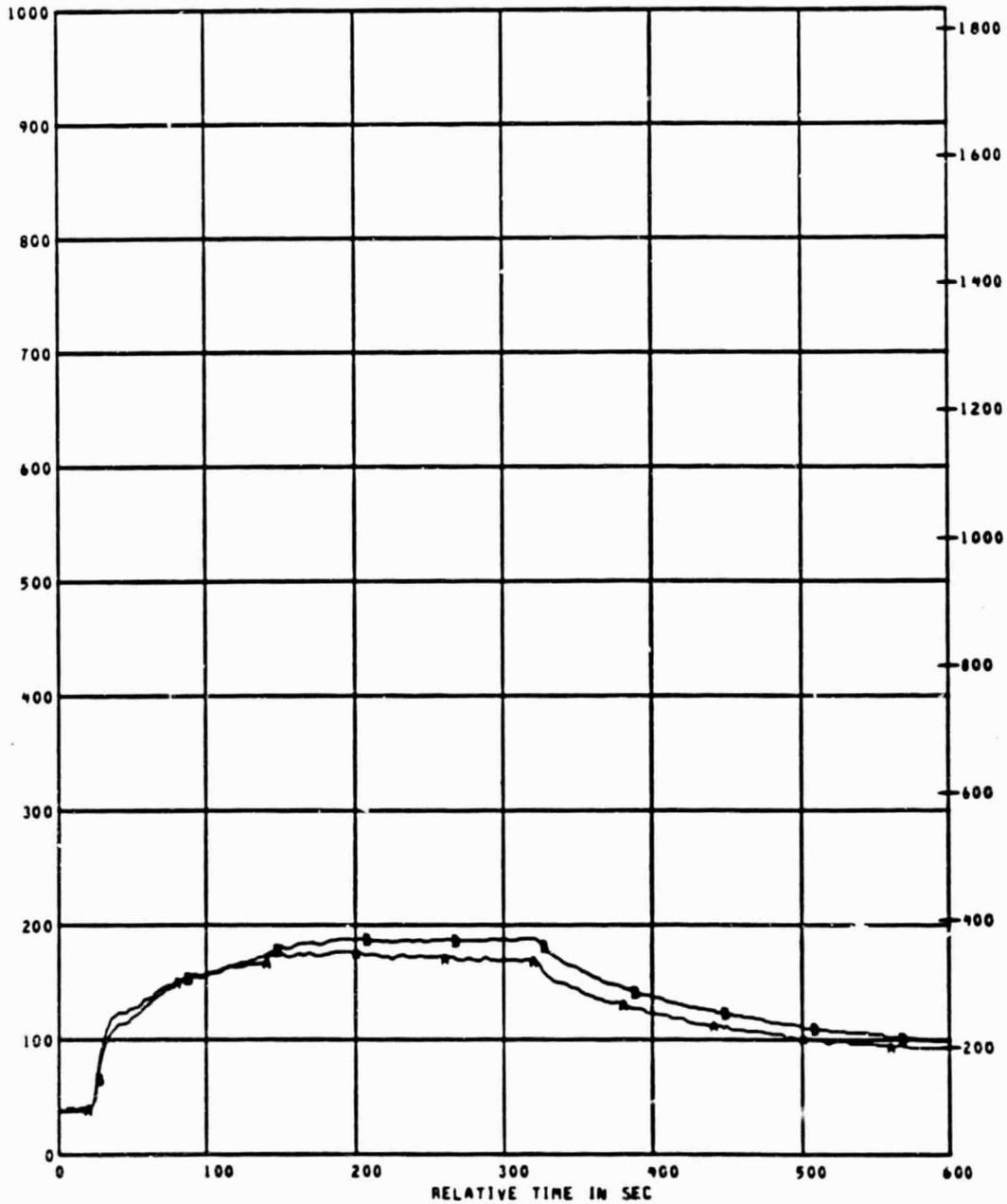
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
Δ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
Δ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 11 05.000



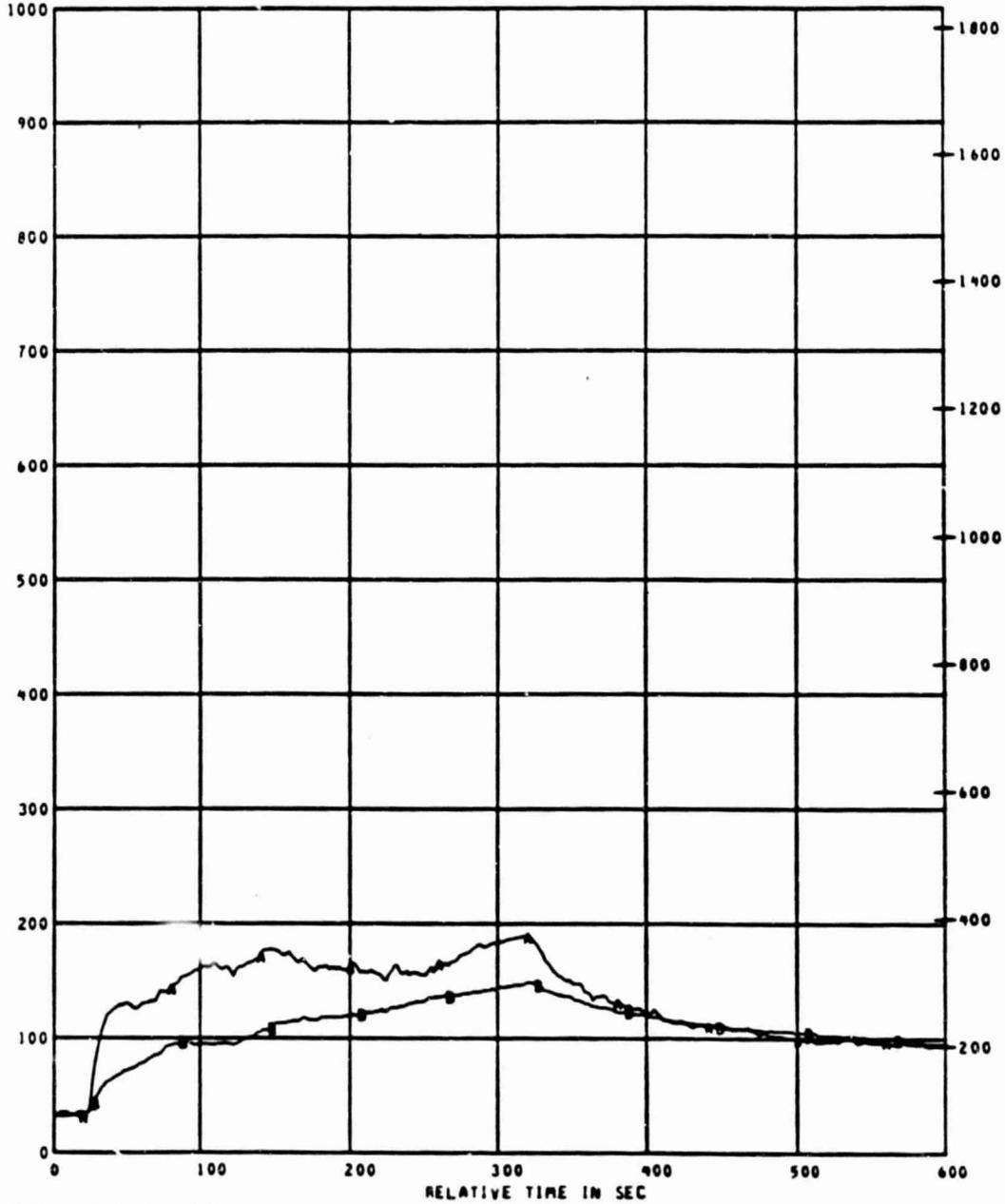
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
s TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA3

SLAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 13 11 05.000

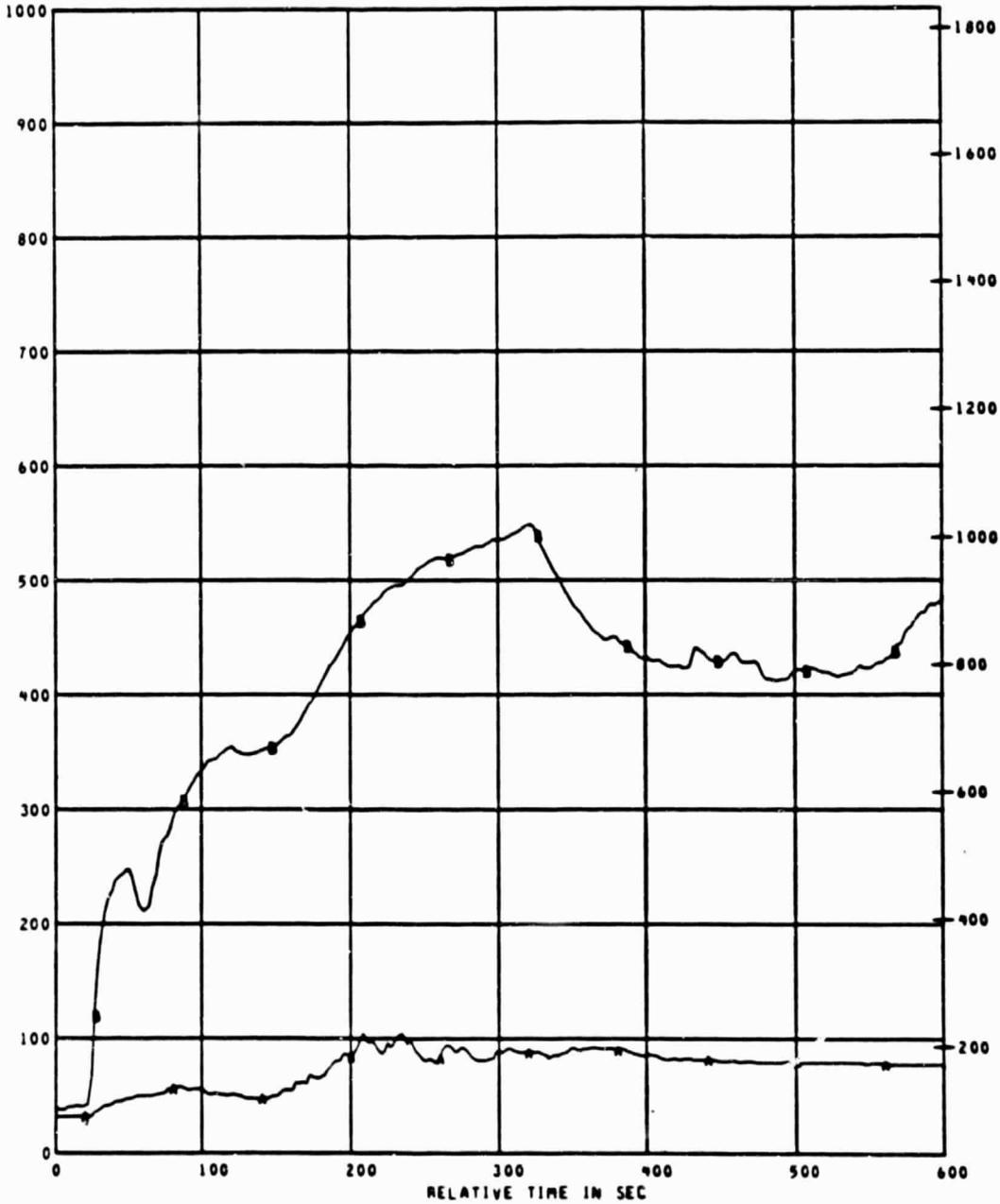


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
1 TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 13 11 05.000



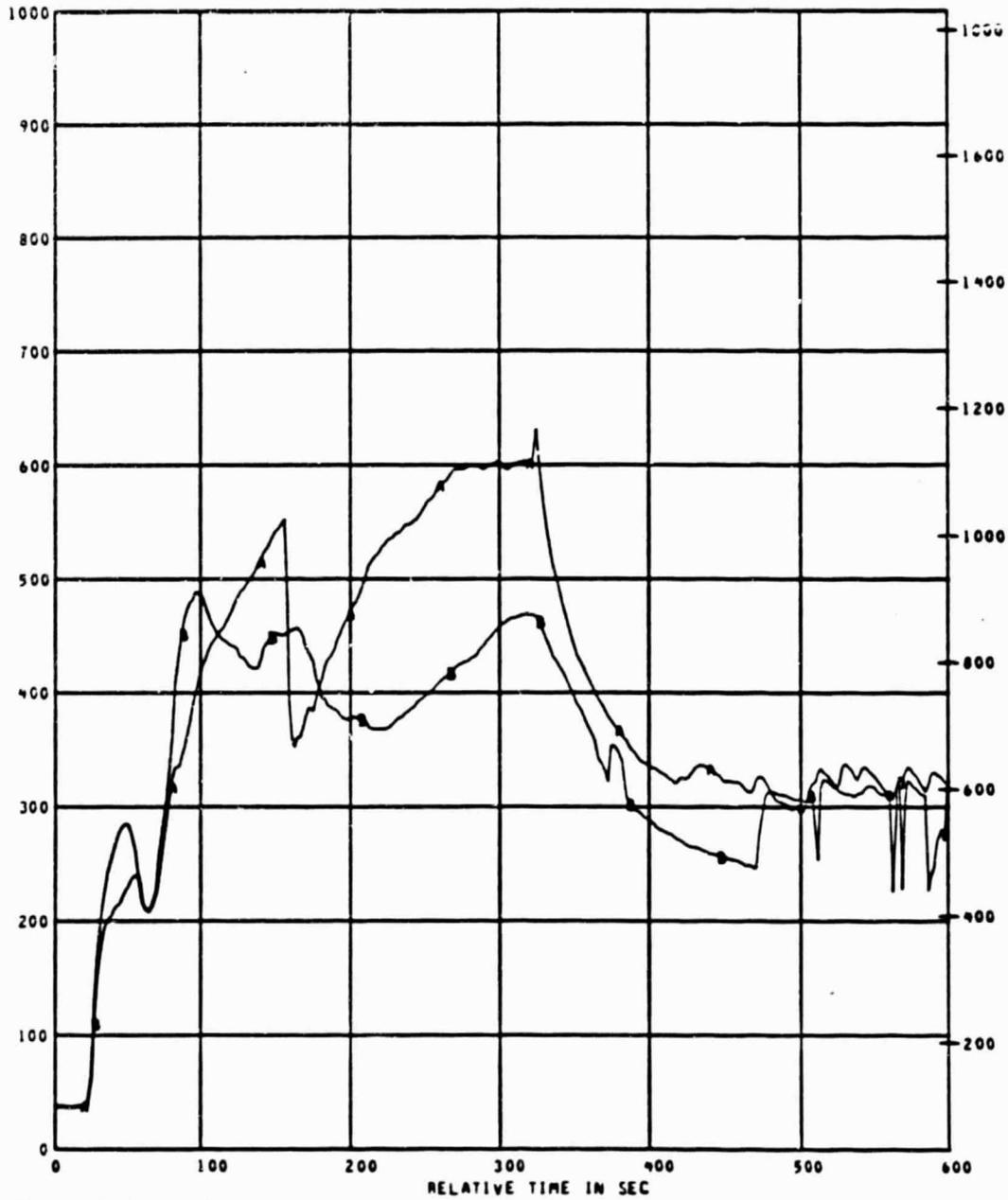
D  
E  
G  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 13 11 05.000



MEAS. NUMBER  
 4 TBR2  
 4 TBR3

CHANNEL ASGN.  
 117  
 118

TITLE  
 TEMP-BACK RIGHT MIDDLE  
 TEMP-BACK RIGHT TOP

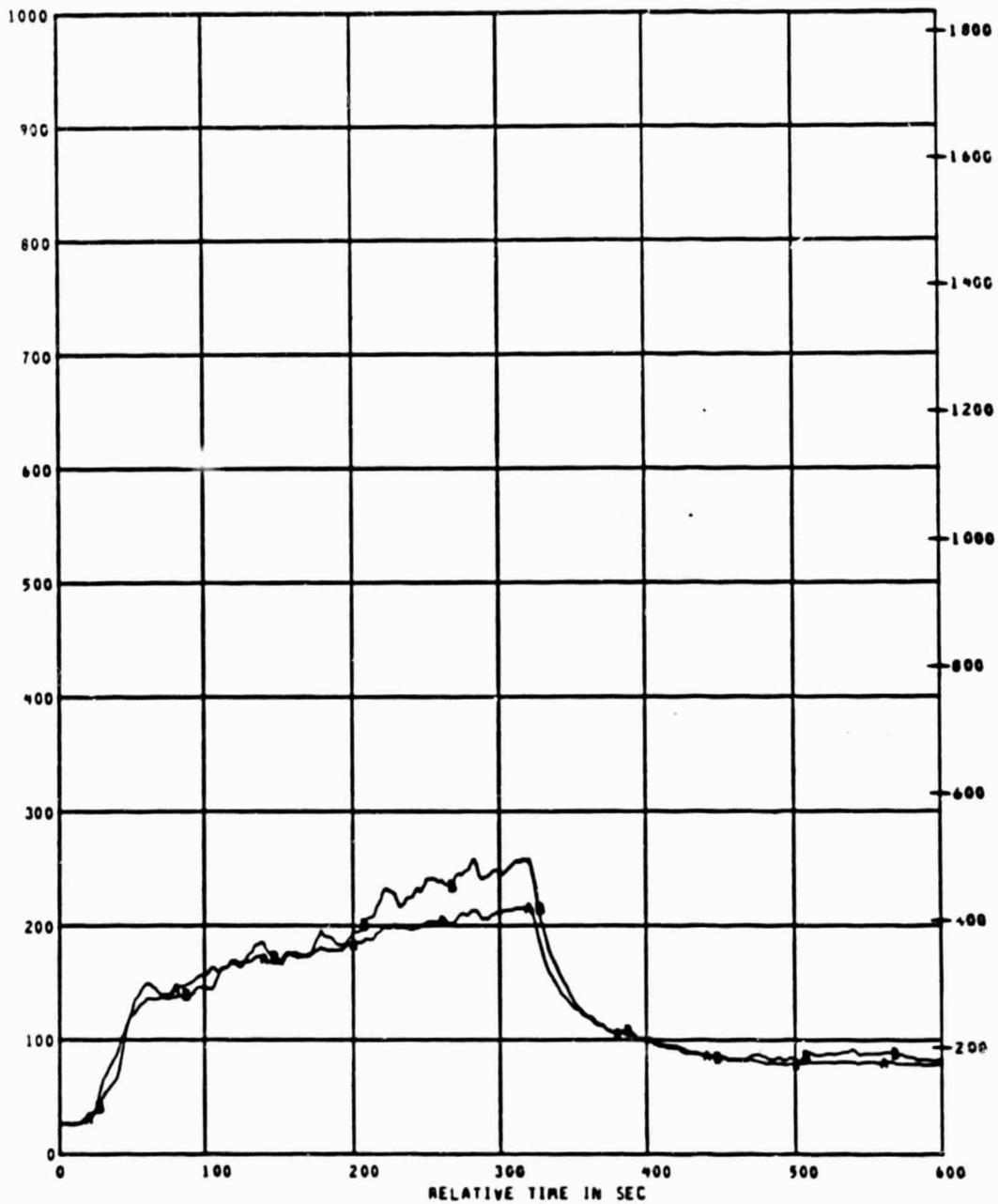
RANGE  
 0 TO 1000  
 0 TO 1000

UNITS GRID-SYM  
 DEG C AA  
 DEG C AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 13 11 05.000



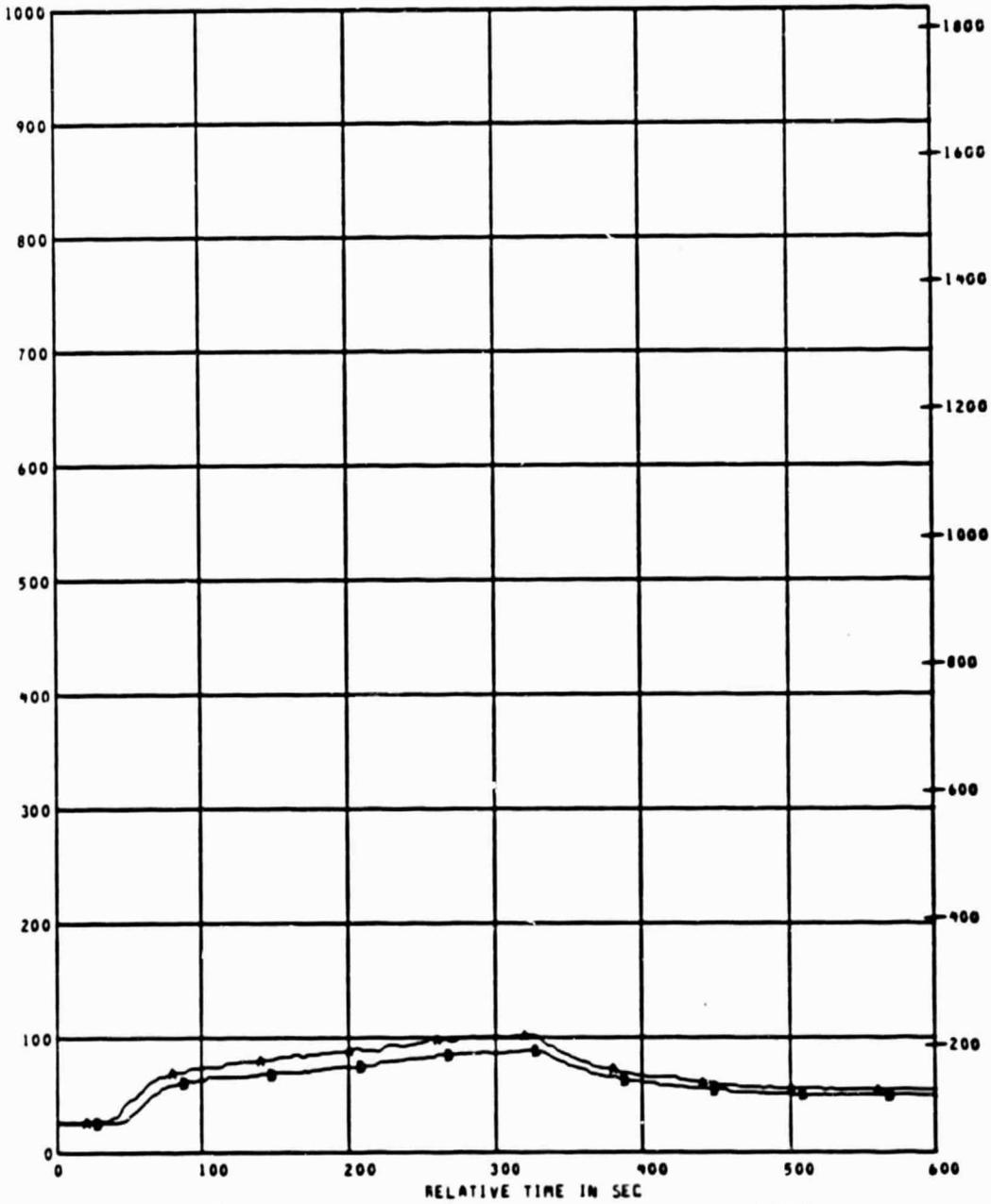
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
° TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
° TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 13 11 05.000



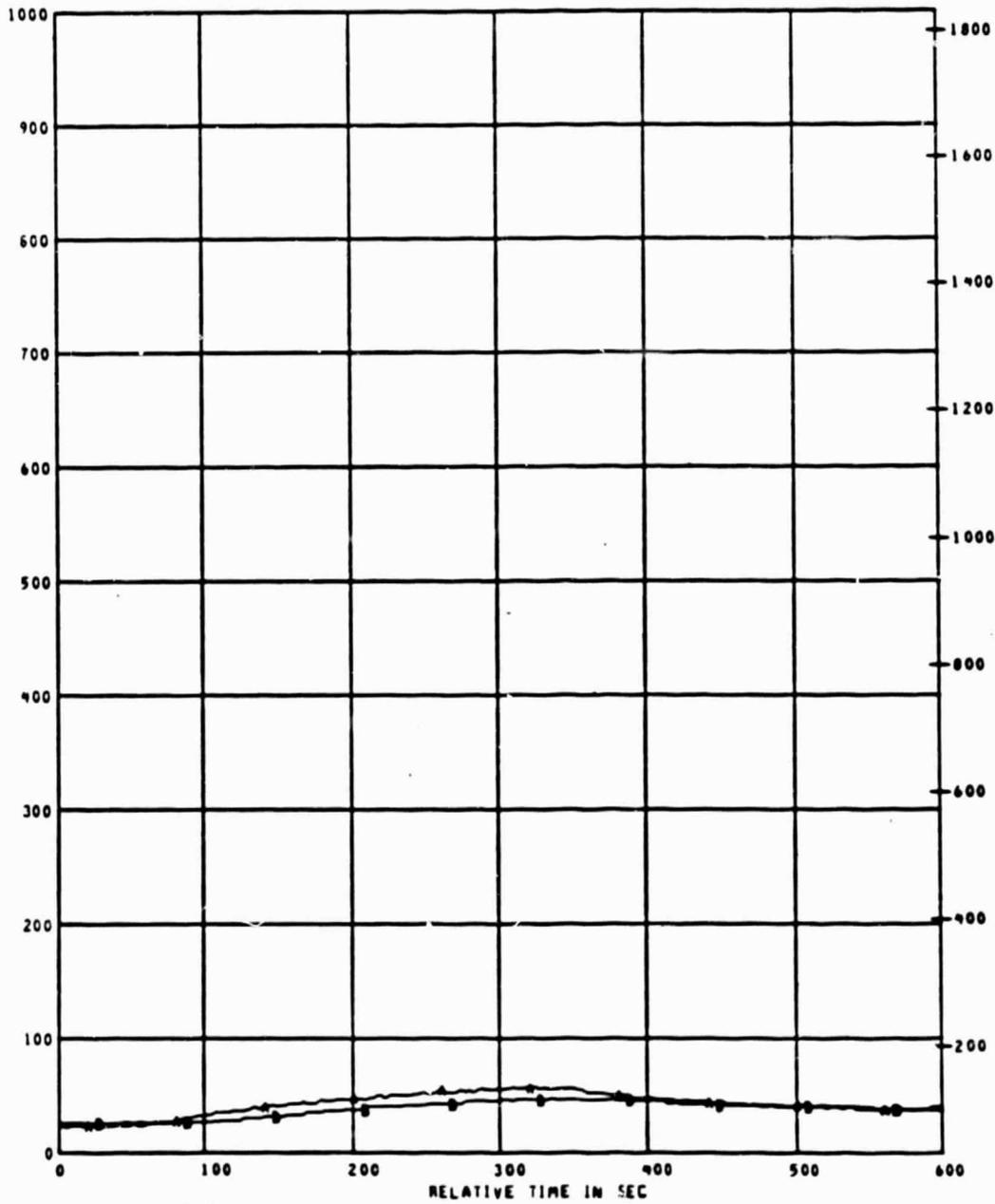
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
8 TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 13 11 05.000

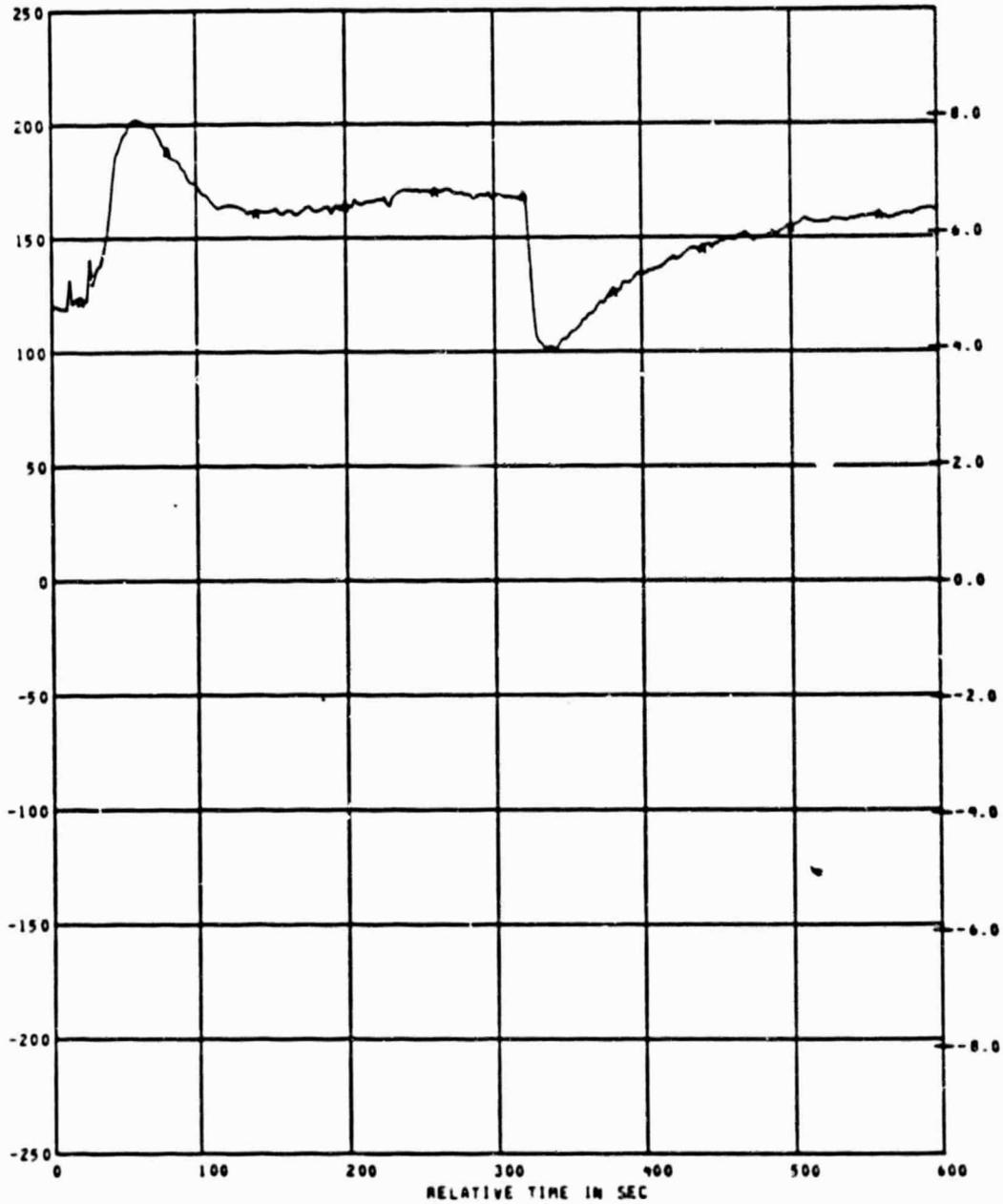


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
6 TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 11 05.000



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N  
N  
2  
0

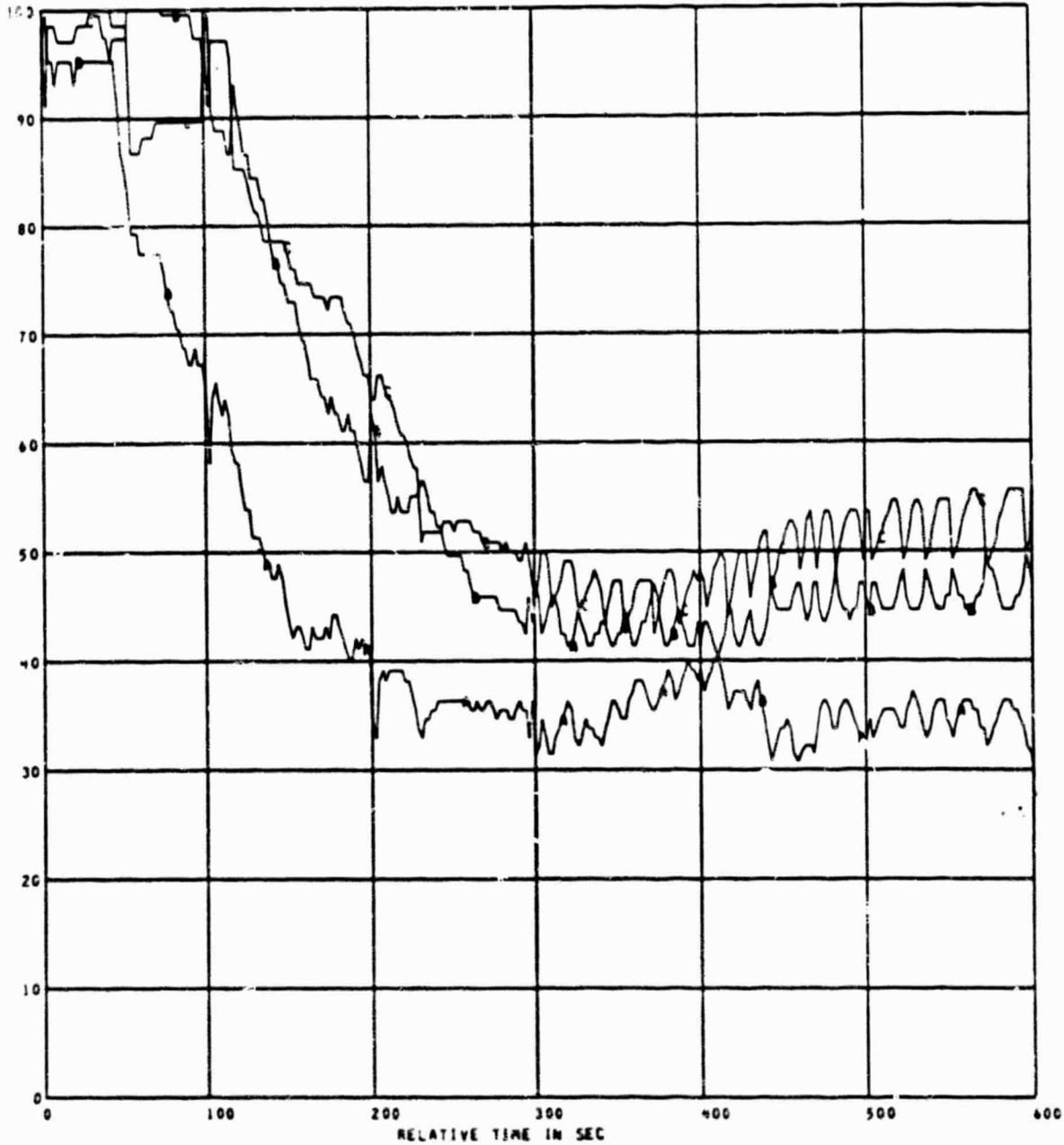
MEAS. NUMBER s DPC	CHANNEL ASGN. 098	TITLE CABIN DELTA PRESSURE	RANGE -250 TO 250	UNITS GRID-SYM MM H2O AA
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TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 14 22 01.000

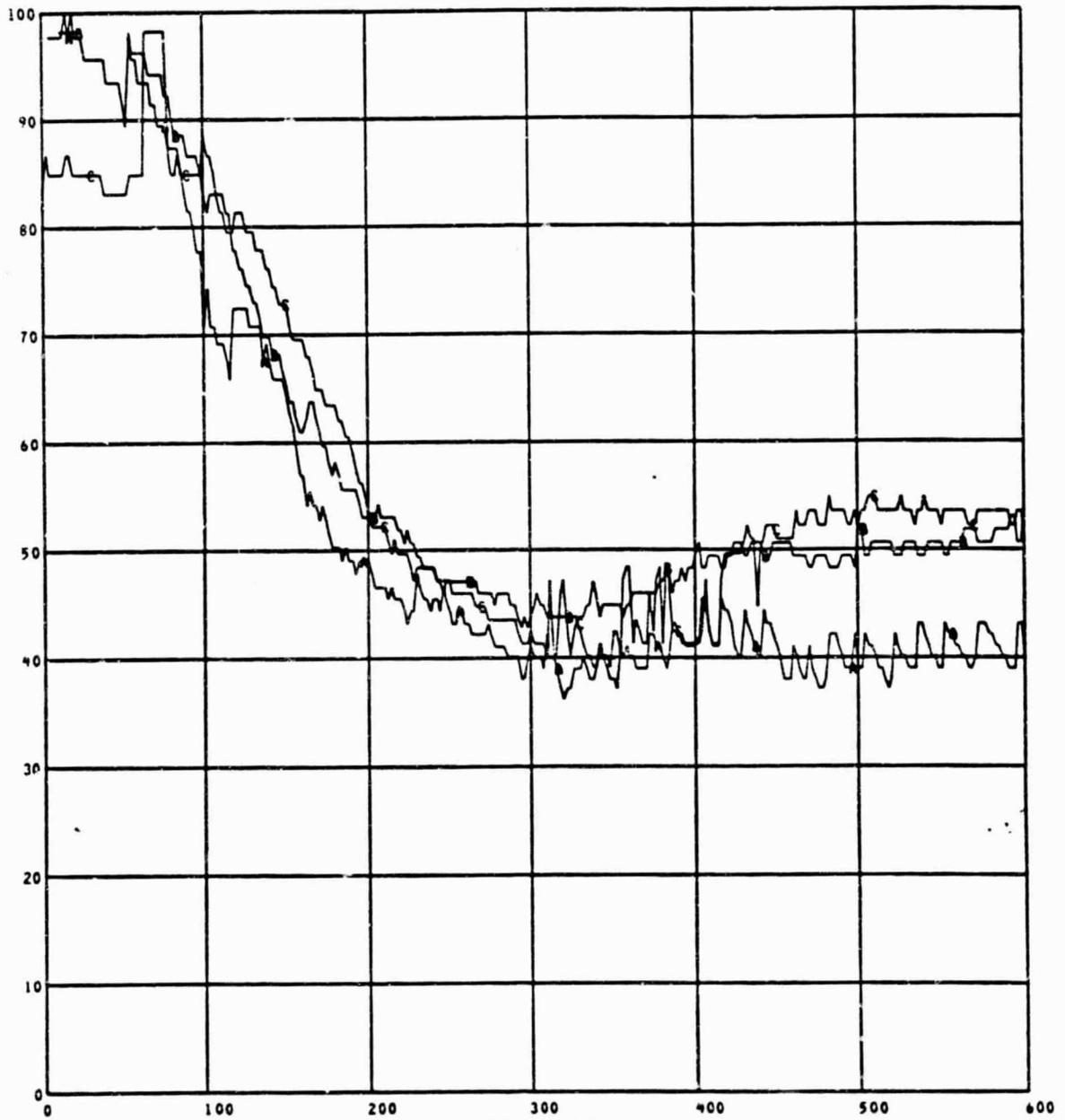


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 14 22 01.000

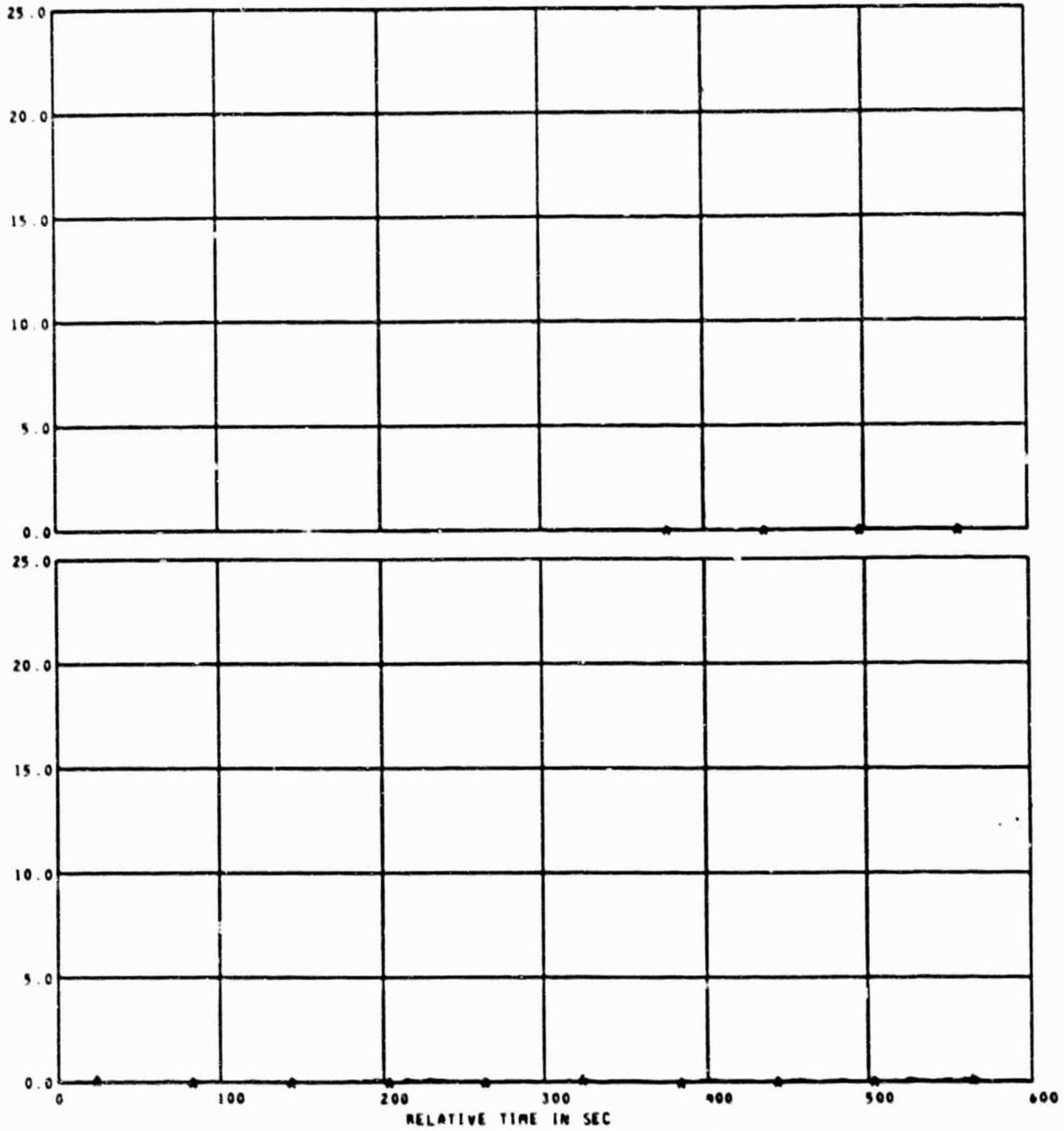


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 14 22 01.000

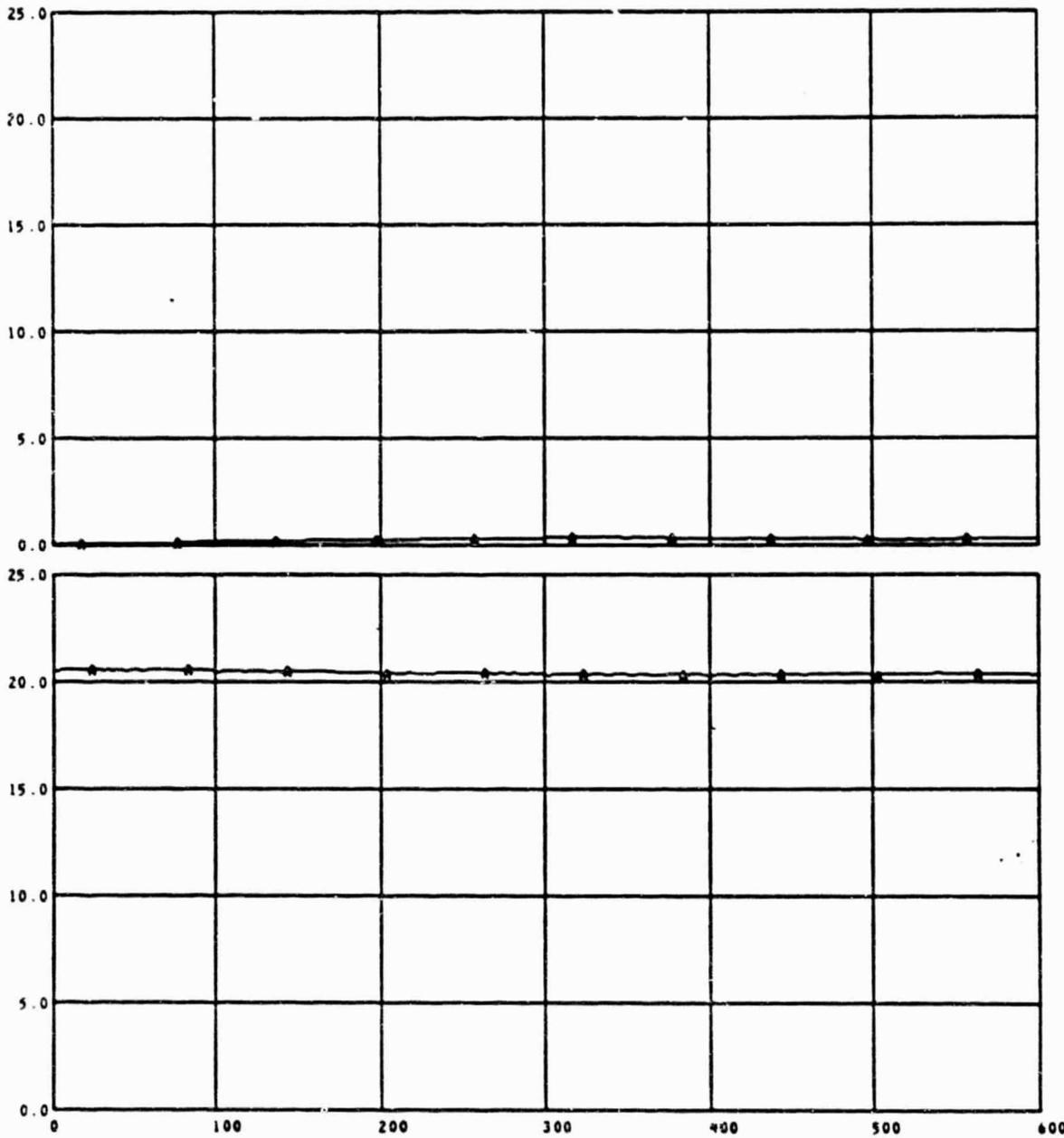


MEAS. NUMBER	CHANNEL ASSN.	TITLE	RANGE	UNITS	GRID-SYM
CHIE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 14 22 01.000

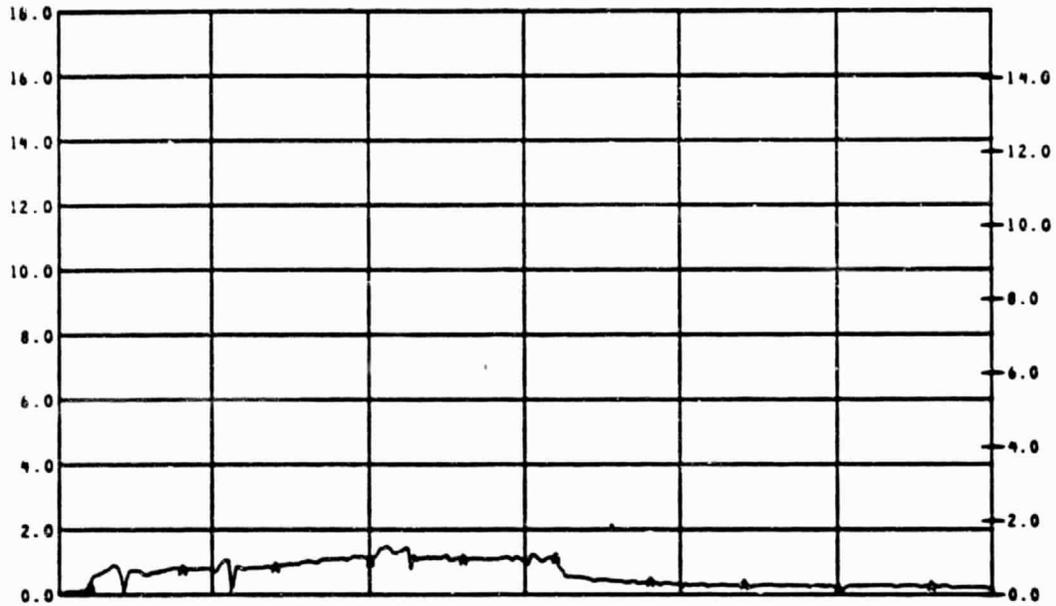


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

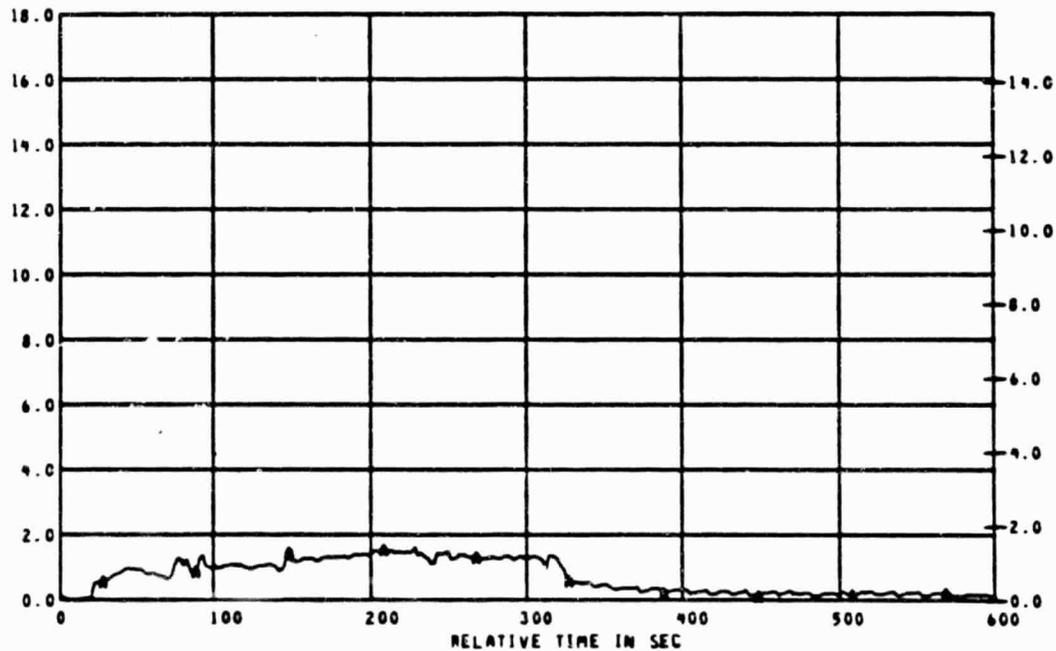
TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 14 22 01.000



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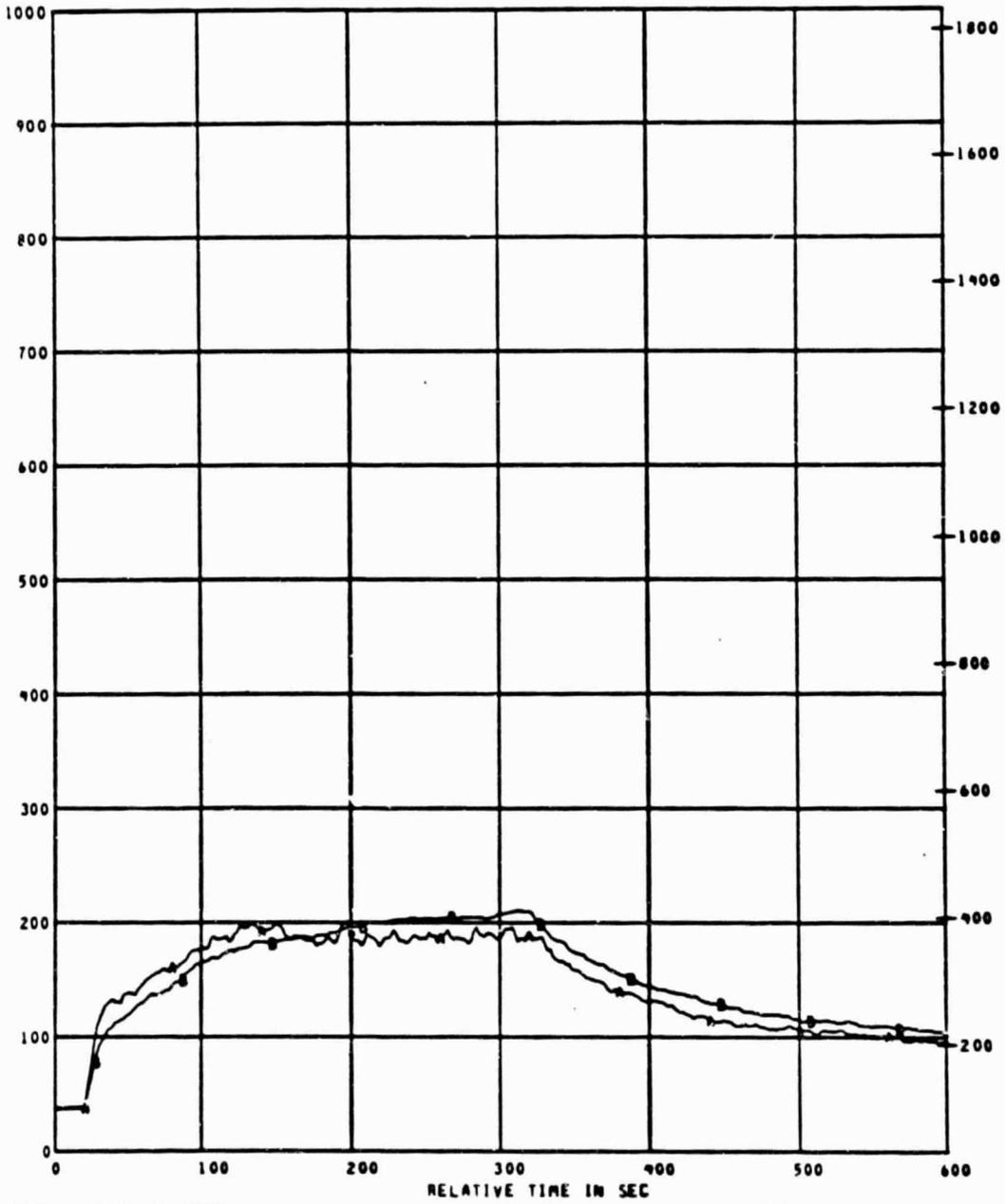
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
6 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
6 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 14 22 01.000



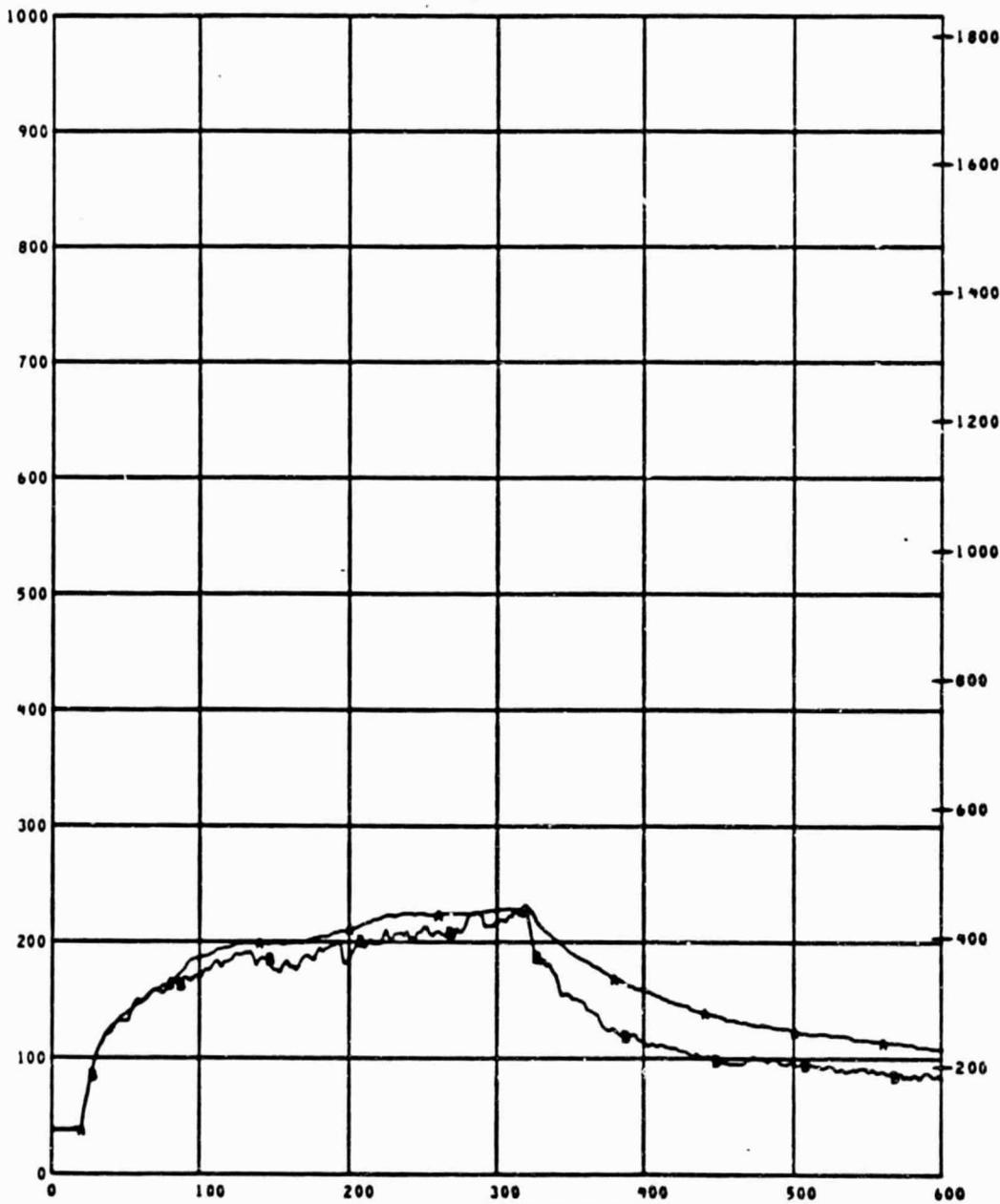
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
4 TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
4 TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 22 01.000



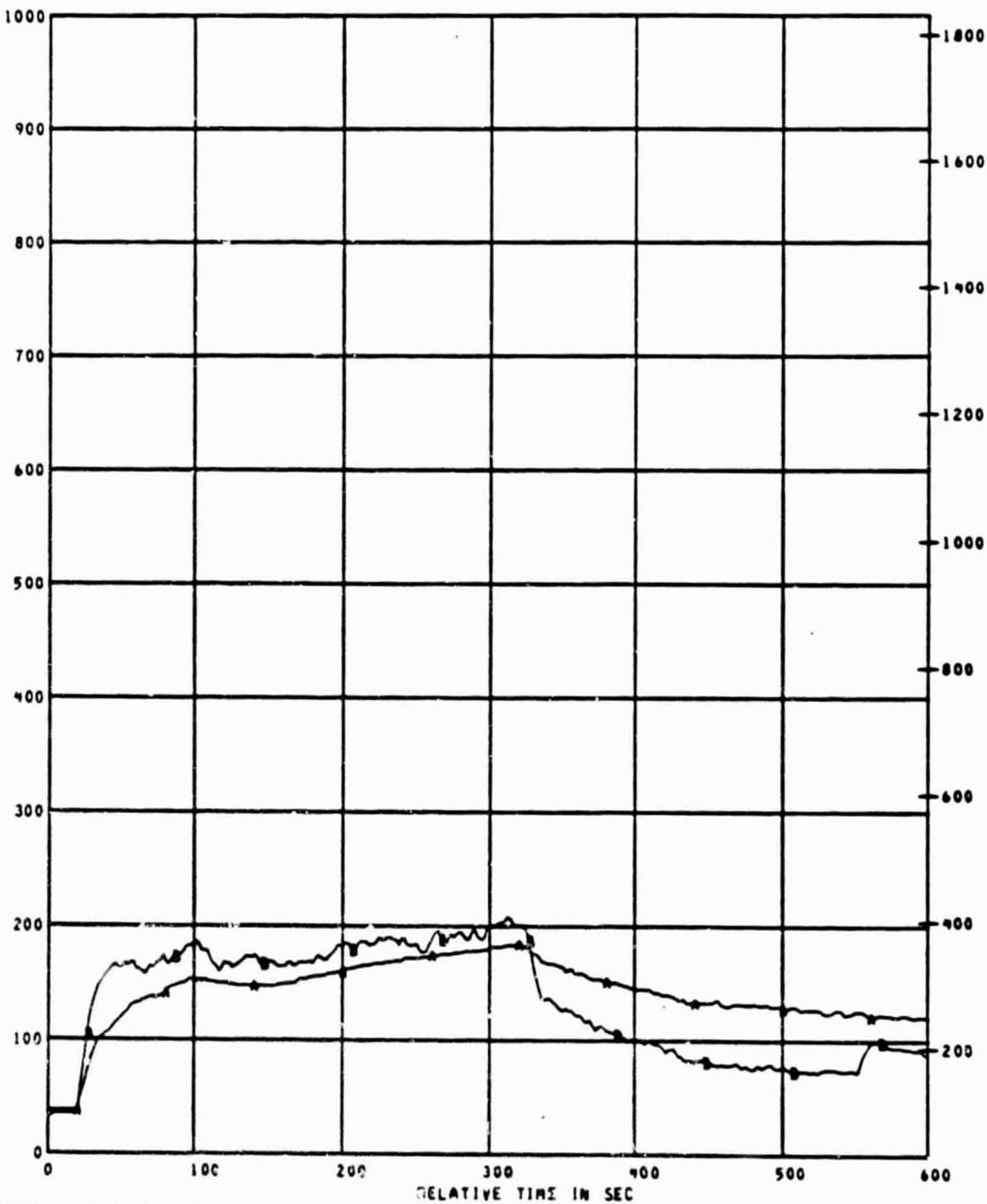
D  
E  
S  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
4 TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
4 TSC1	109	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 14 22 01.000



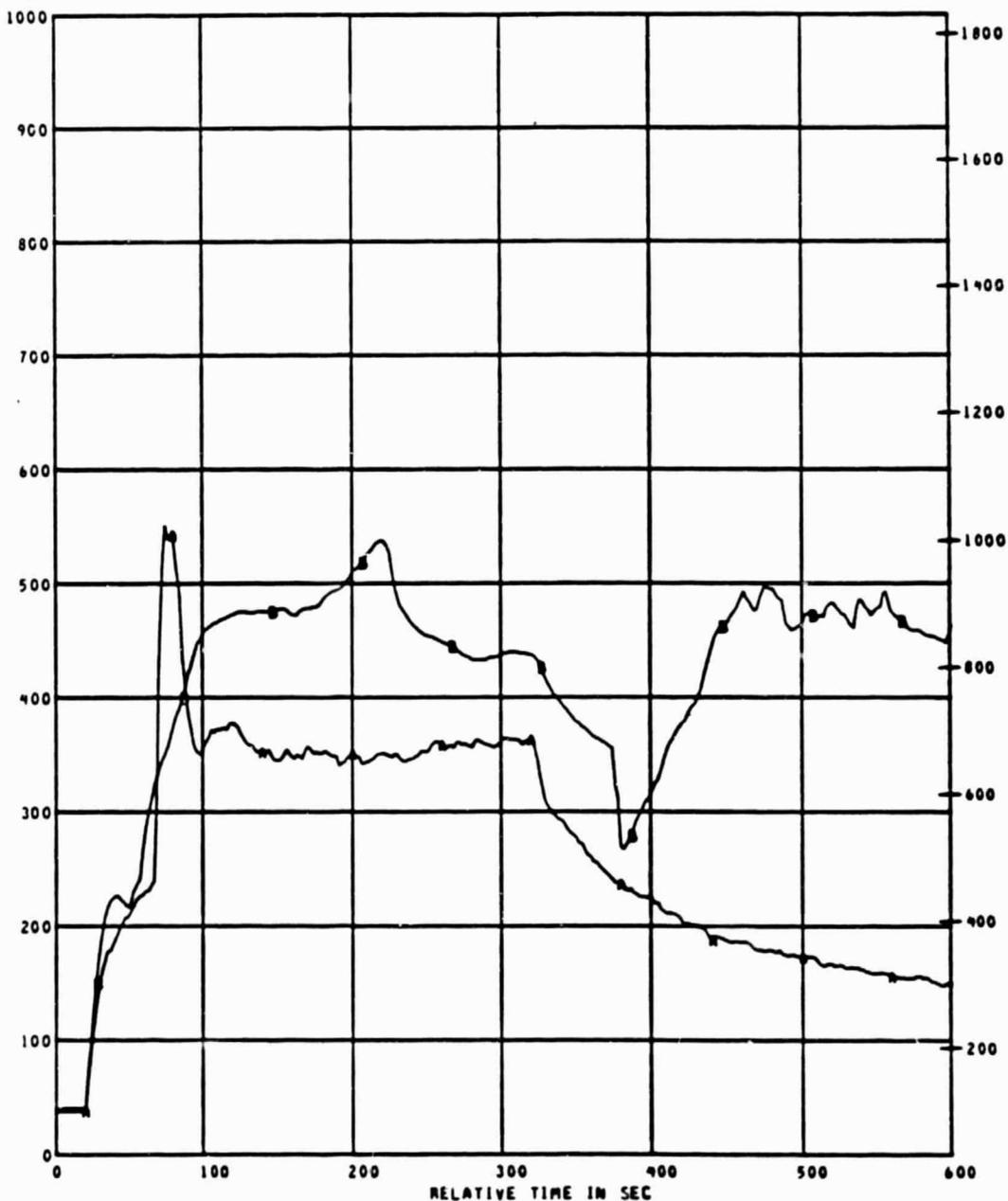
D  
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F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 14 22 01.000



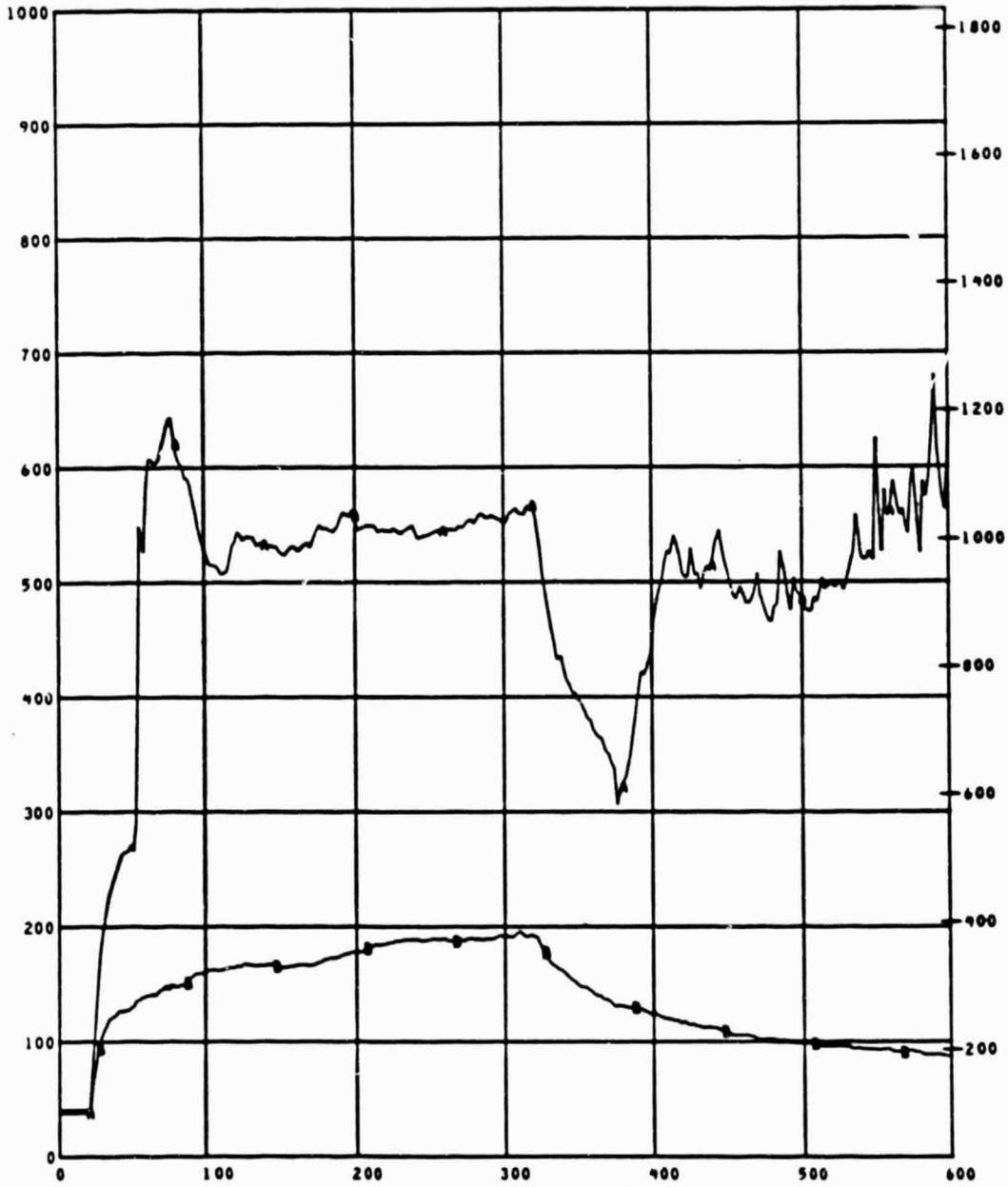
D  
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F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 14 22 01.000

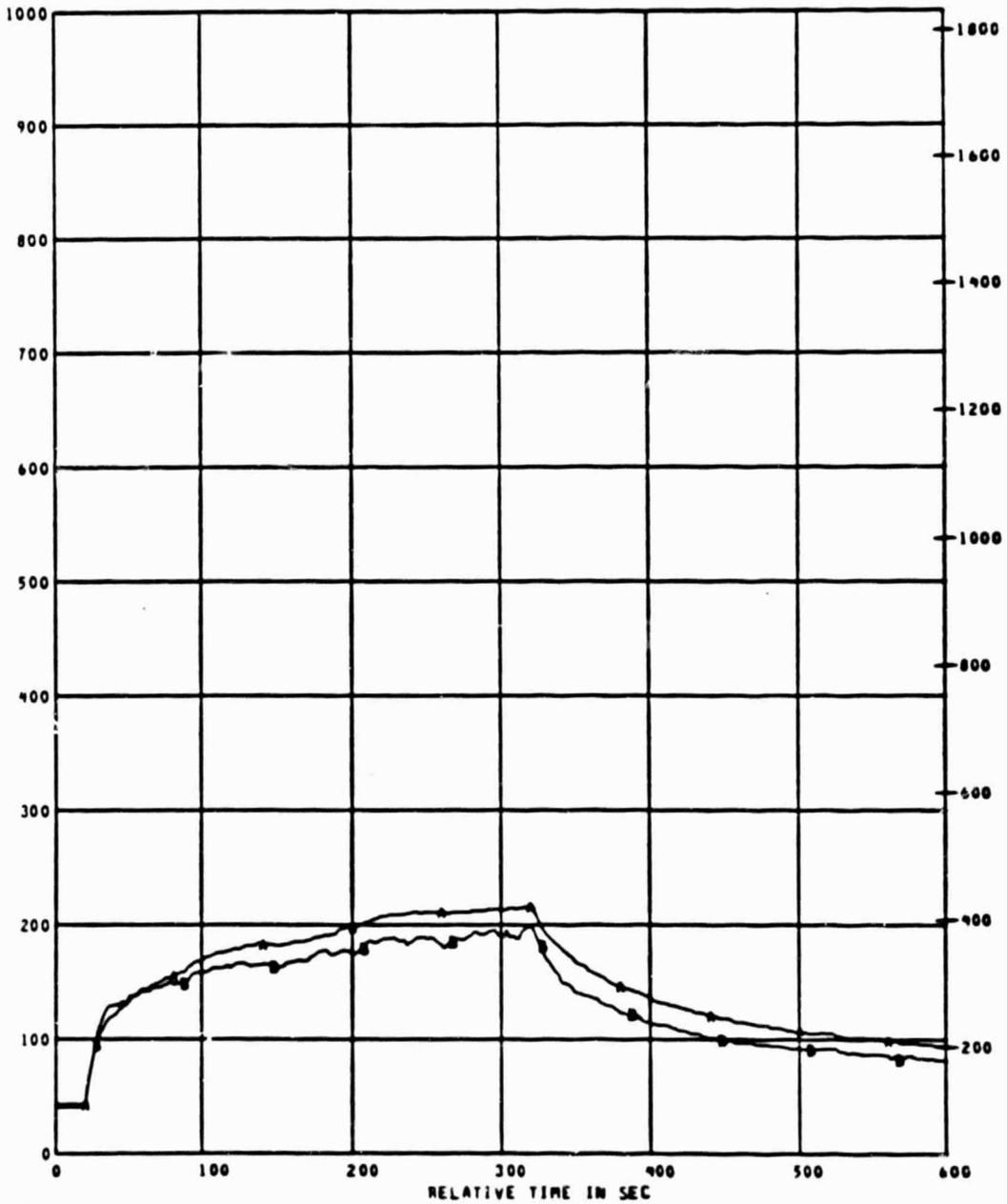


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* T5R3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 14 22 01.000



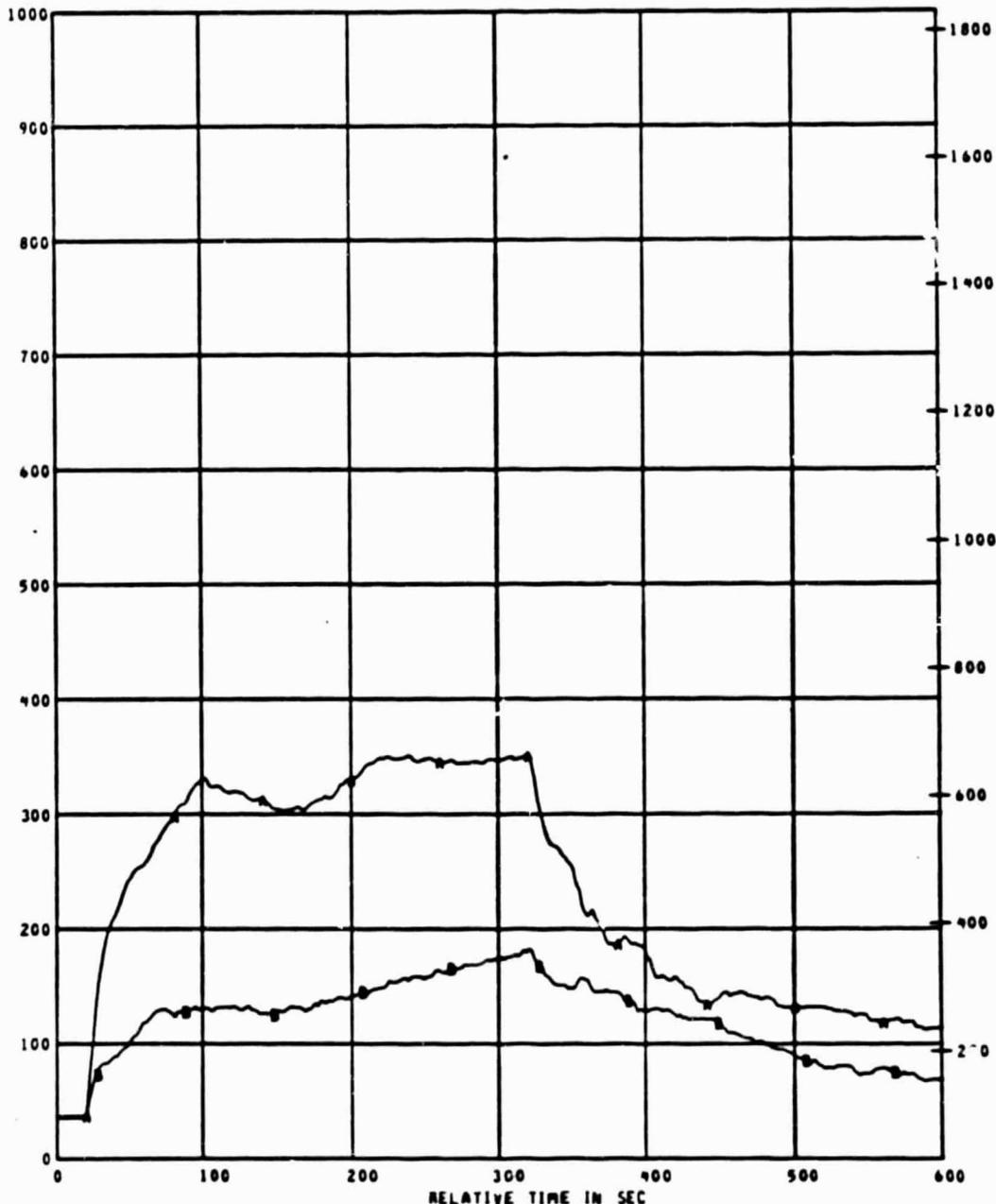
D  
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F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 14 22 01.000



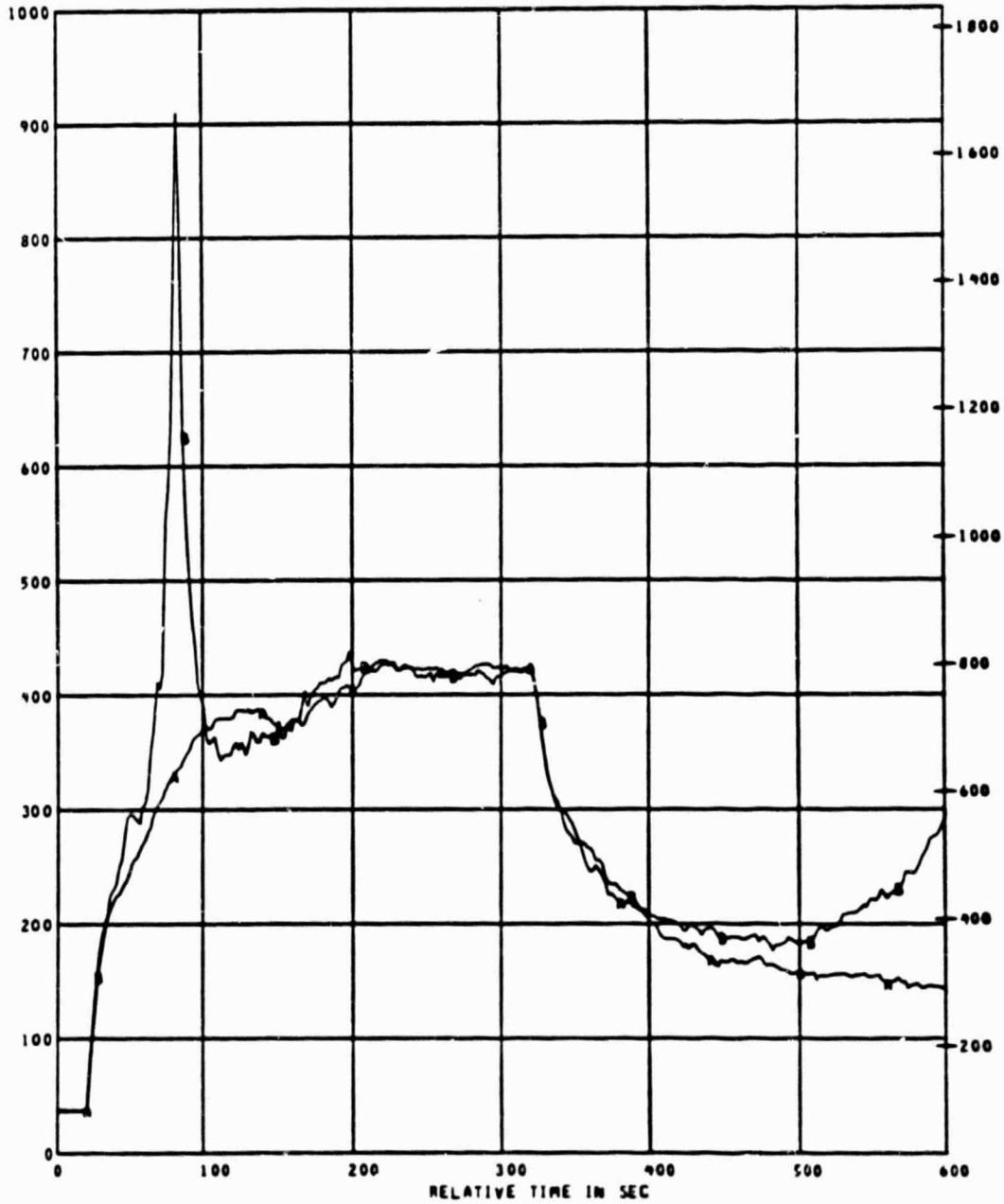
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
2 TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 14 22 01.000



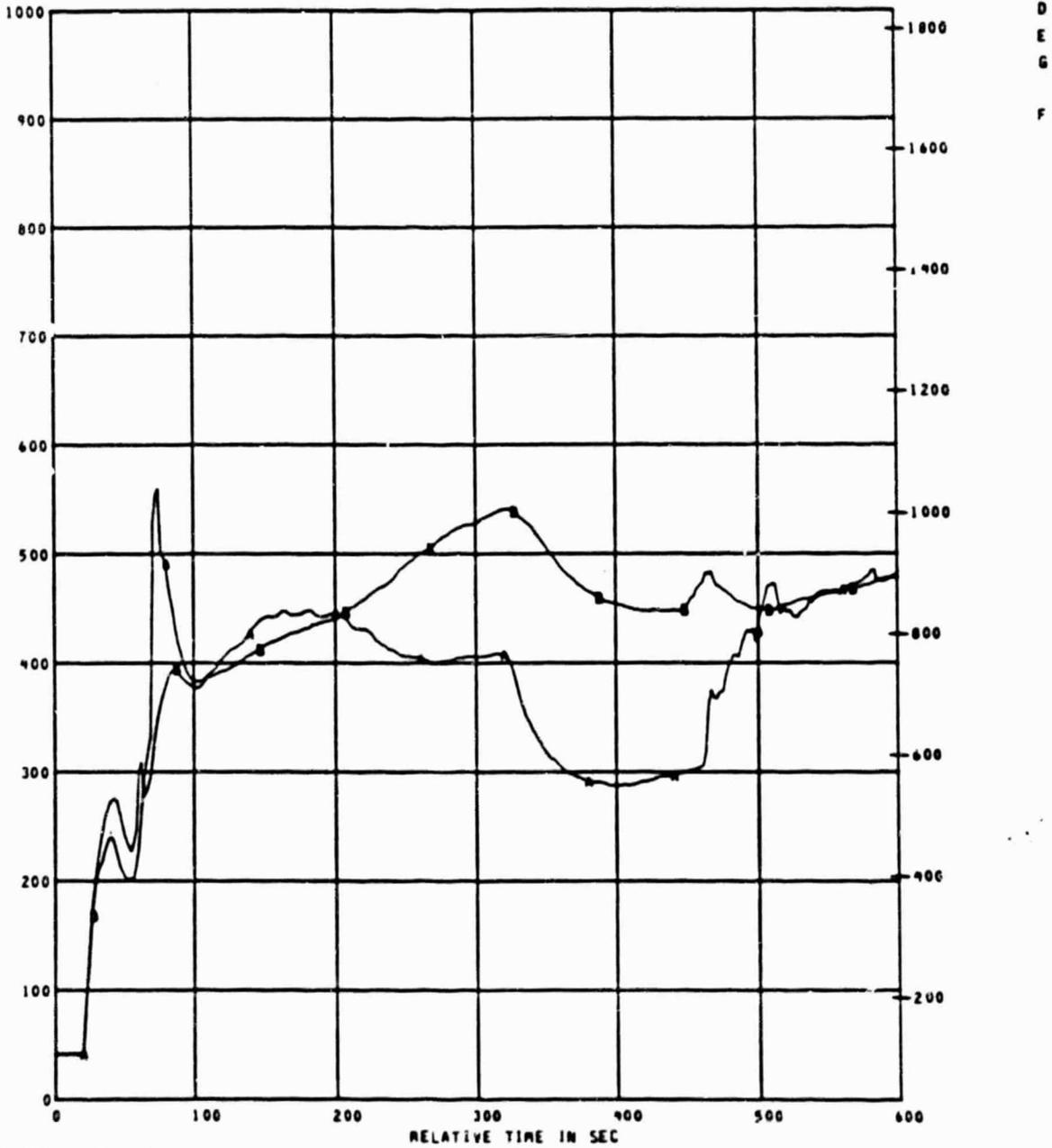
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
Δ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
Δ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA\*

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 14 22 01.000

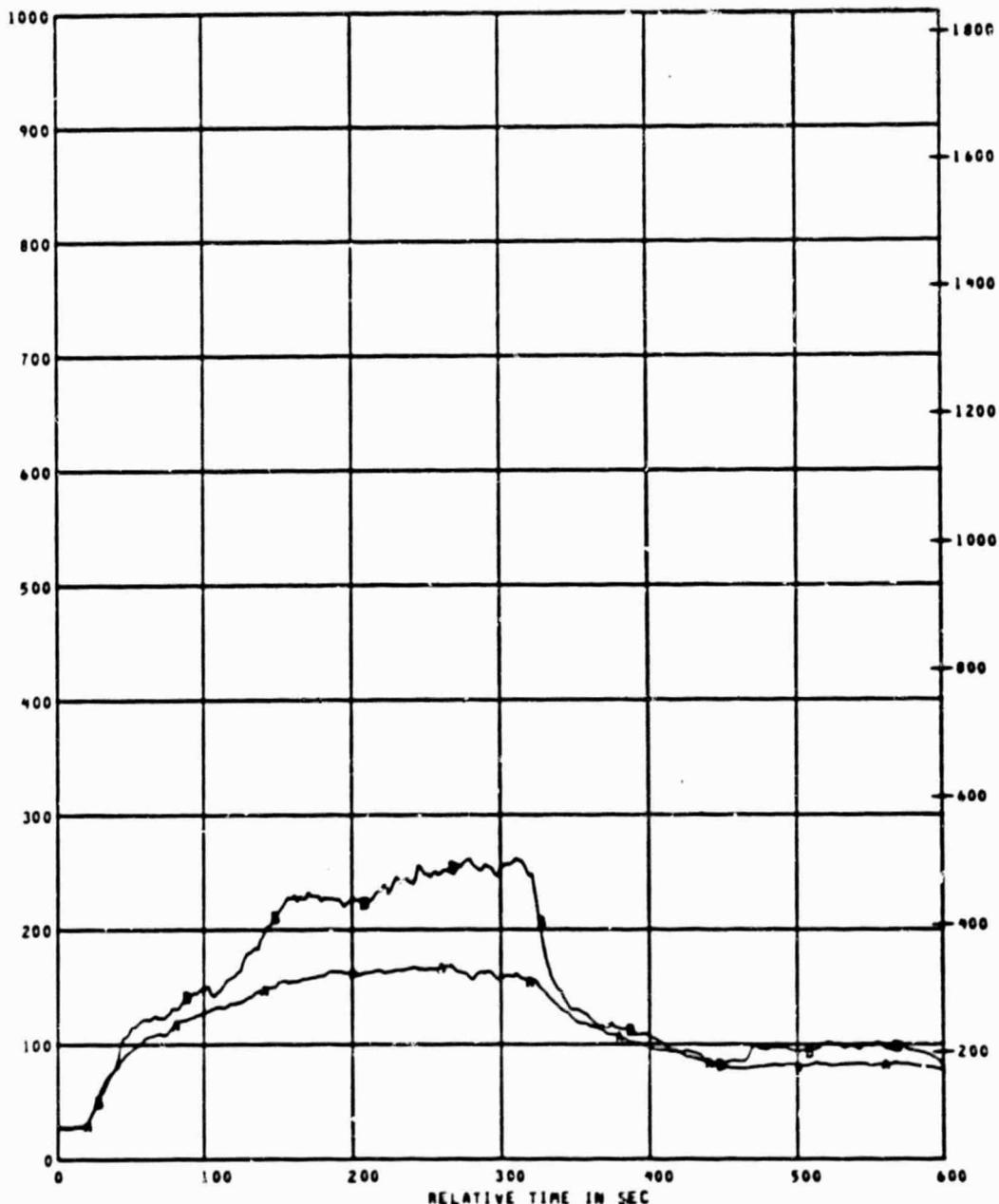


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 14 22 01.000



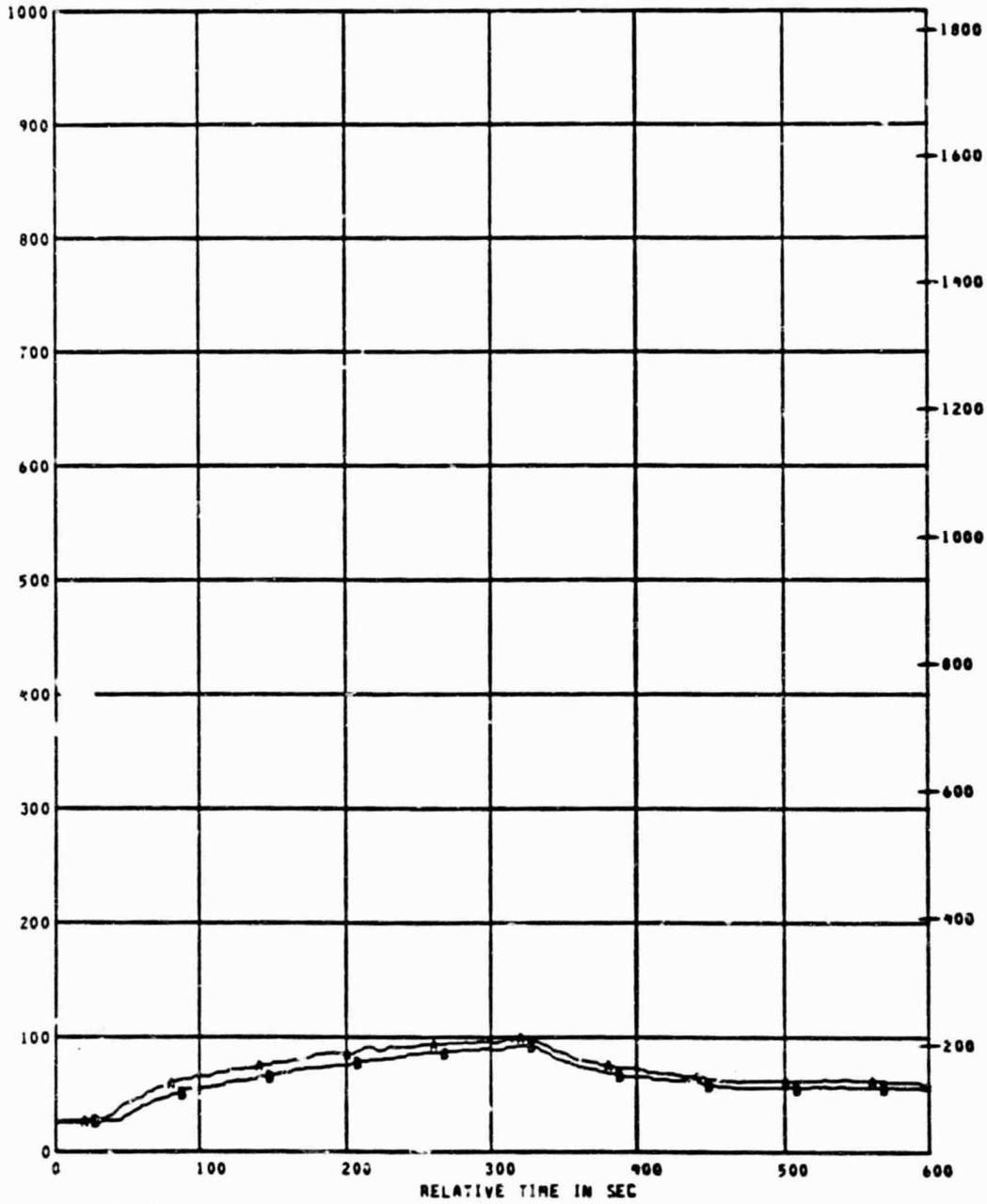
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G  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
119	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
120	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 14 22 01.000



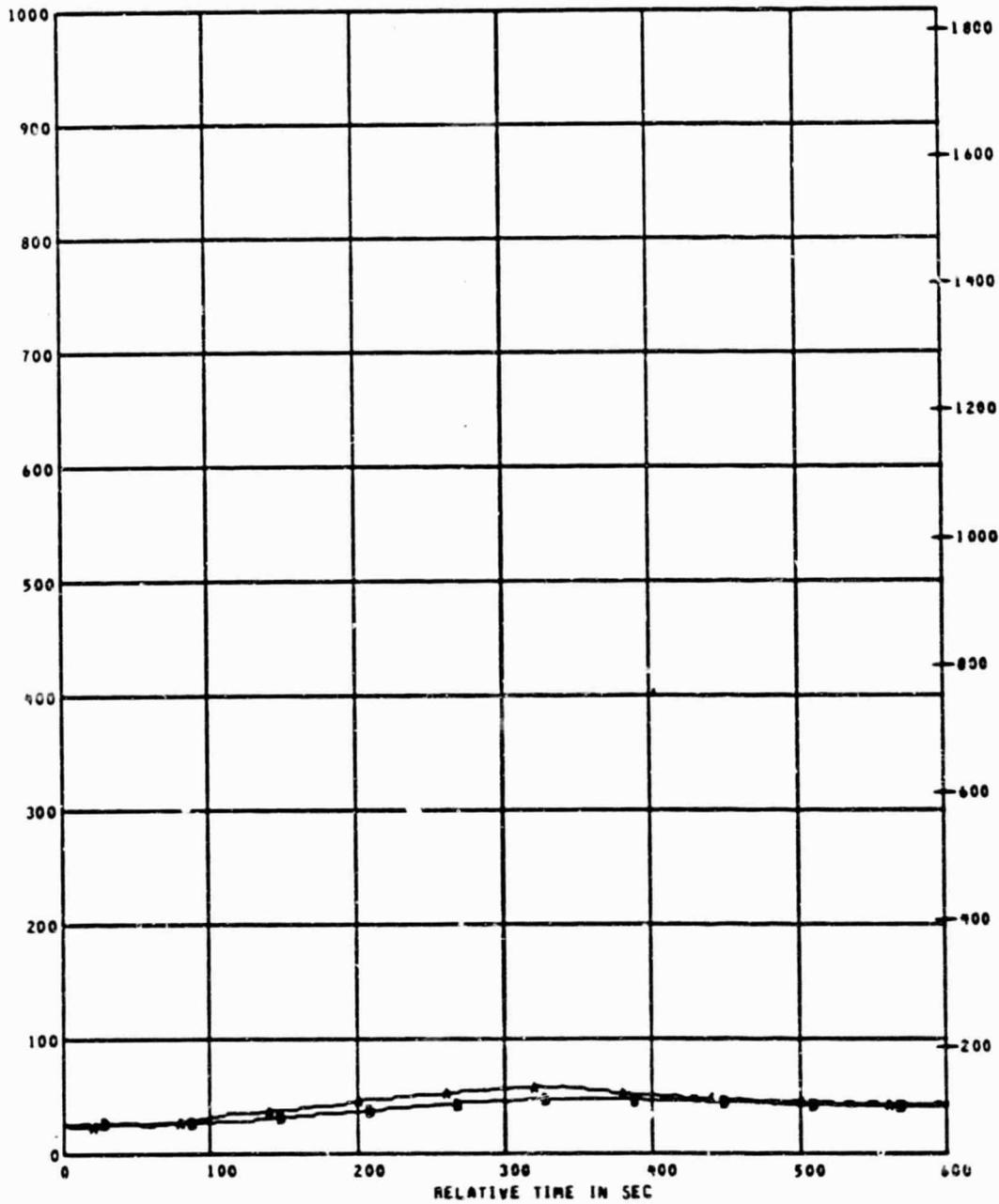
D  
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G  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
s TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA#

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 14 22 01.000

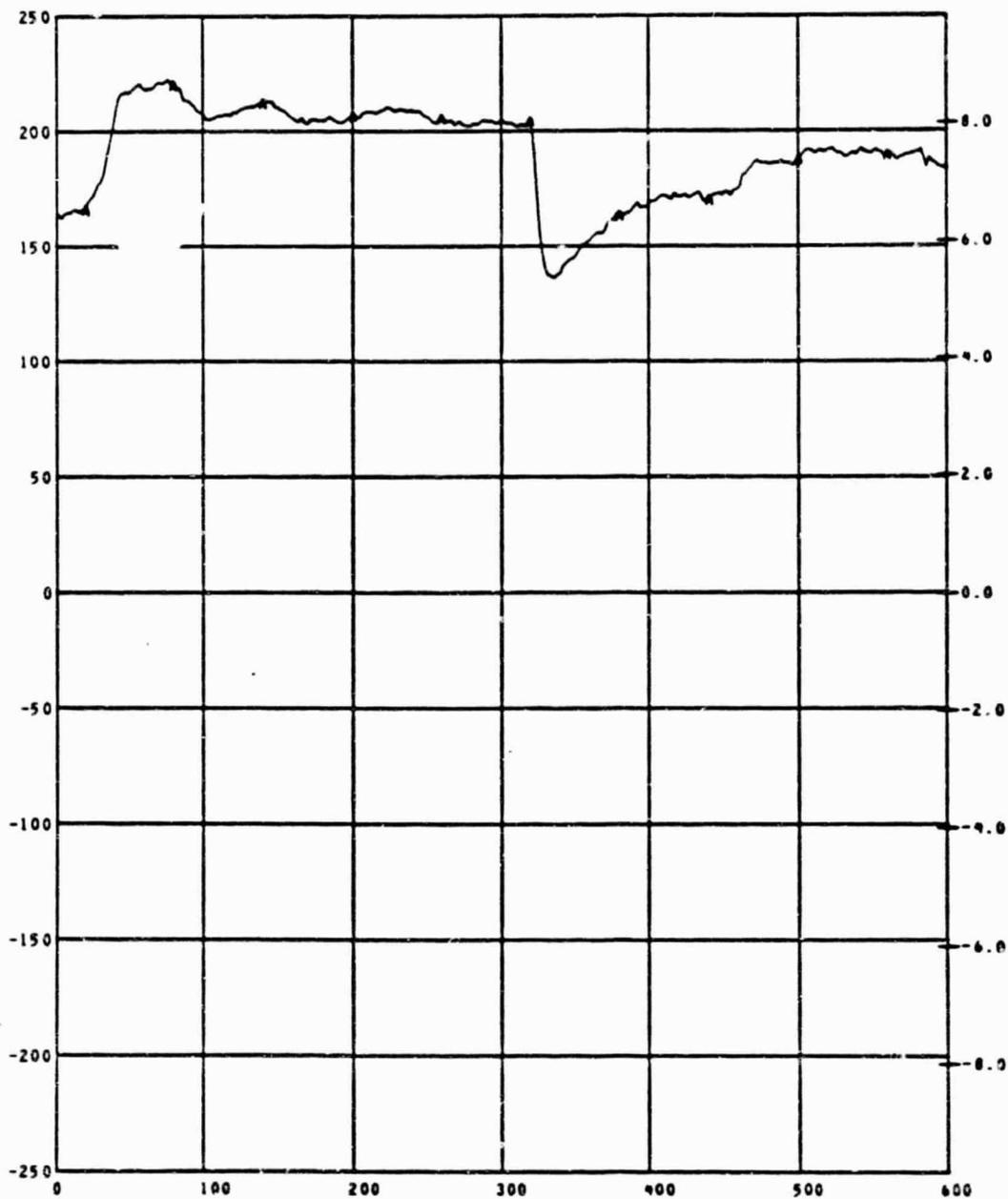


MEAS. NUMBER	CHANNEL	SGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TRC	123		TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
8 TAO	124		TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 14 22 01.000



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MEAS. NUMBER  
4 DPC

CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

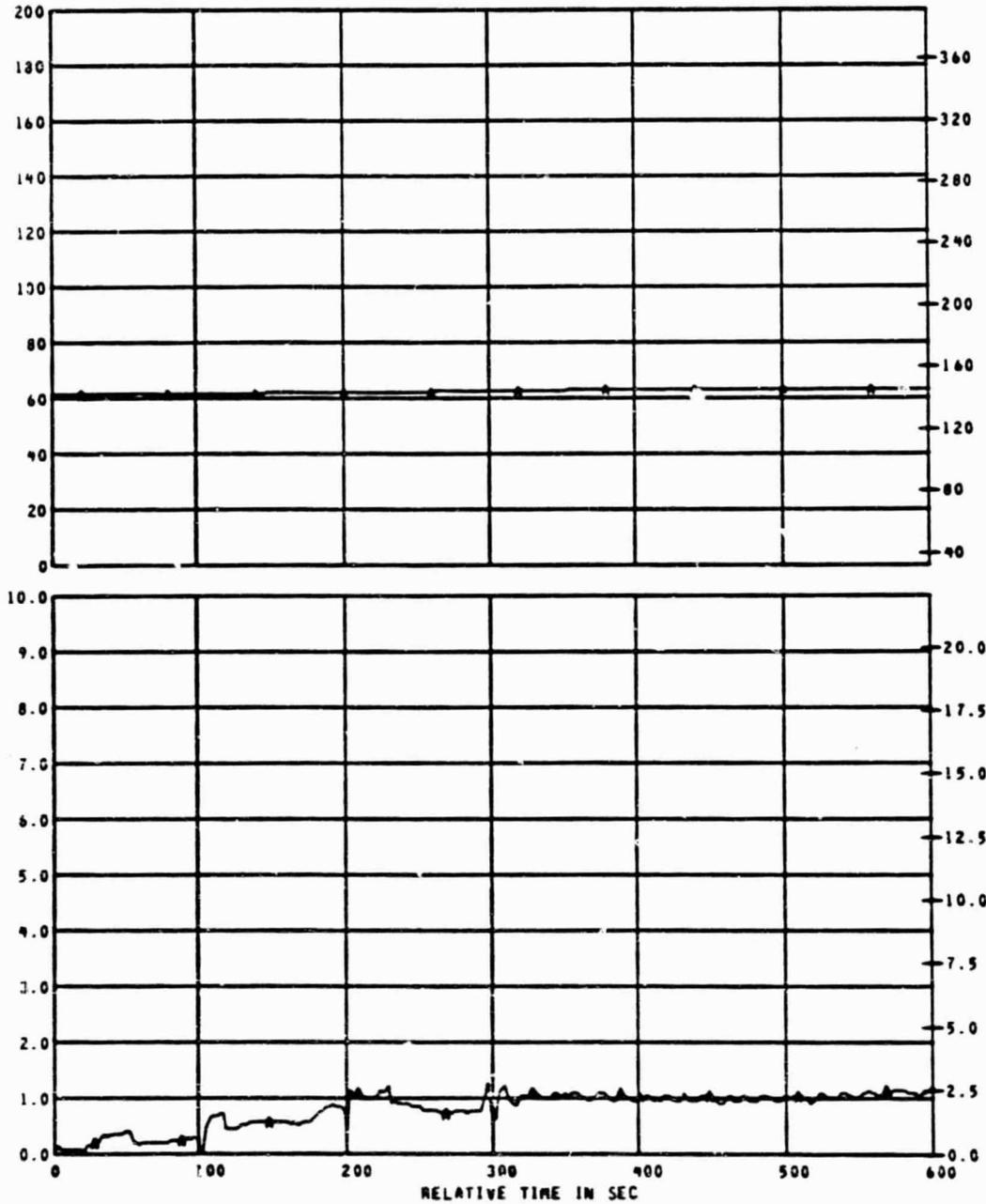
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H2O AA

TEST ID NASA

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 14 22 01.000



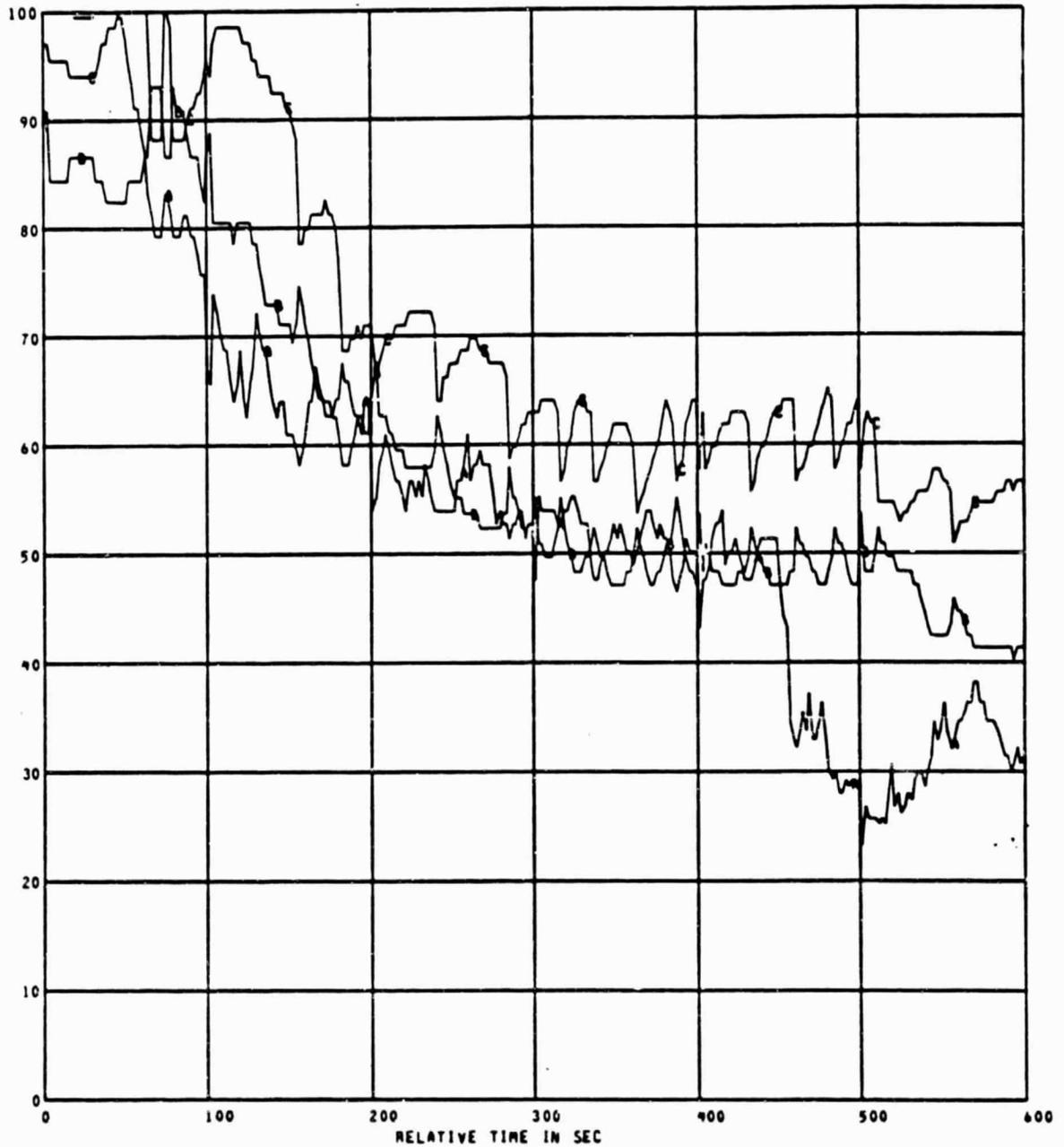
D  
E  
G  
F  
L  
B  
S

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
# TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
# WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO. 2 - 1

REFERENCE TIME 11 05 00.000

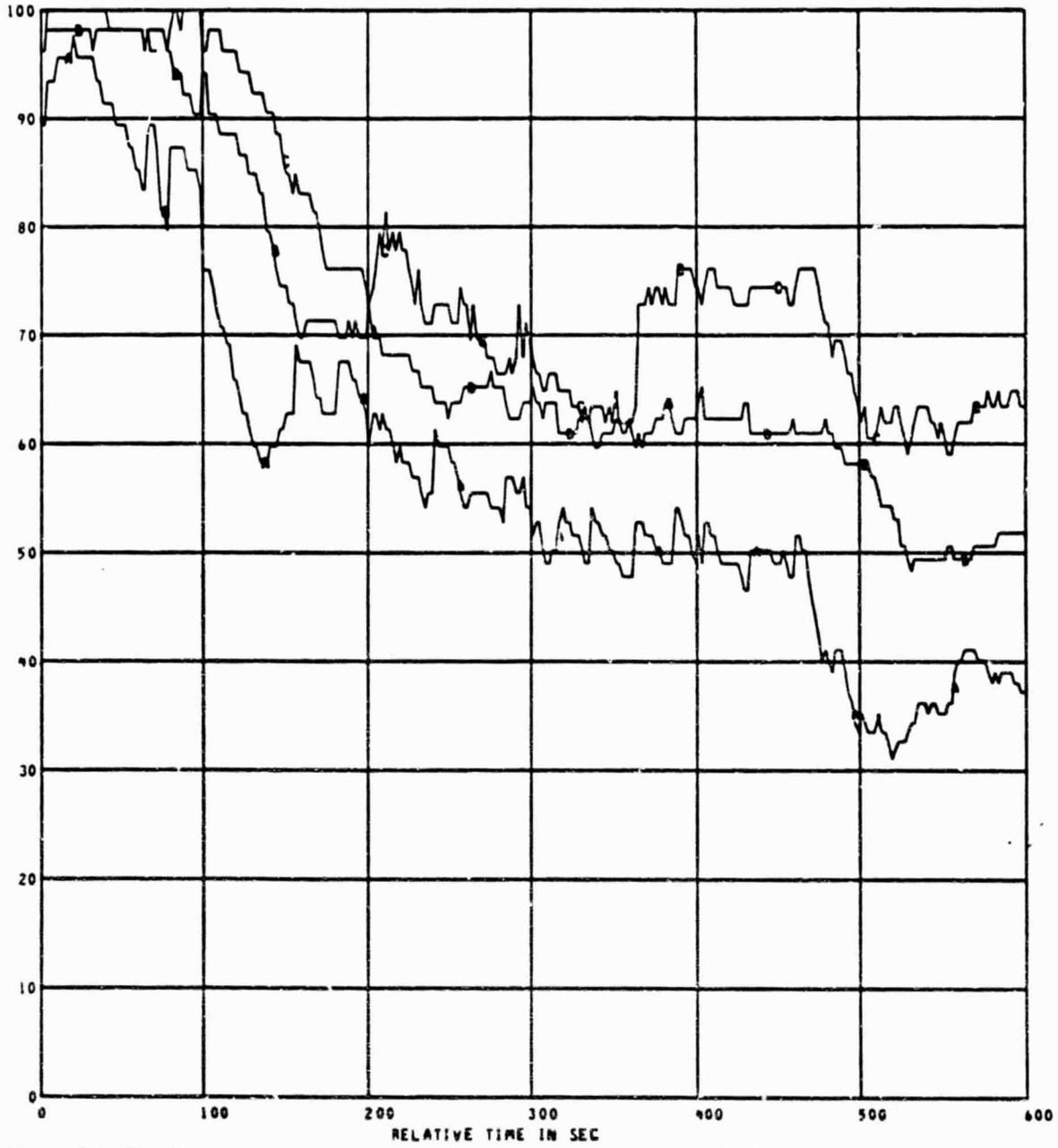


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 11 05 00.000

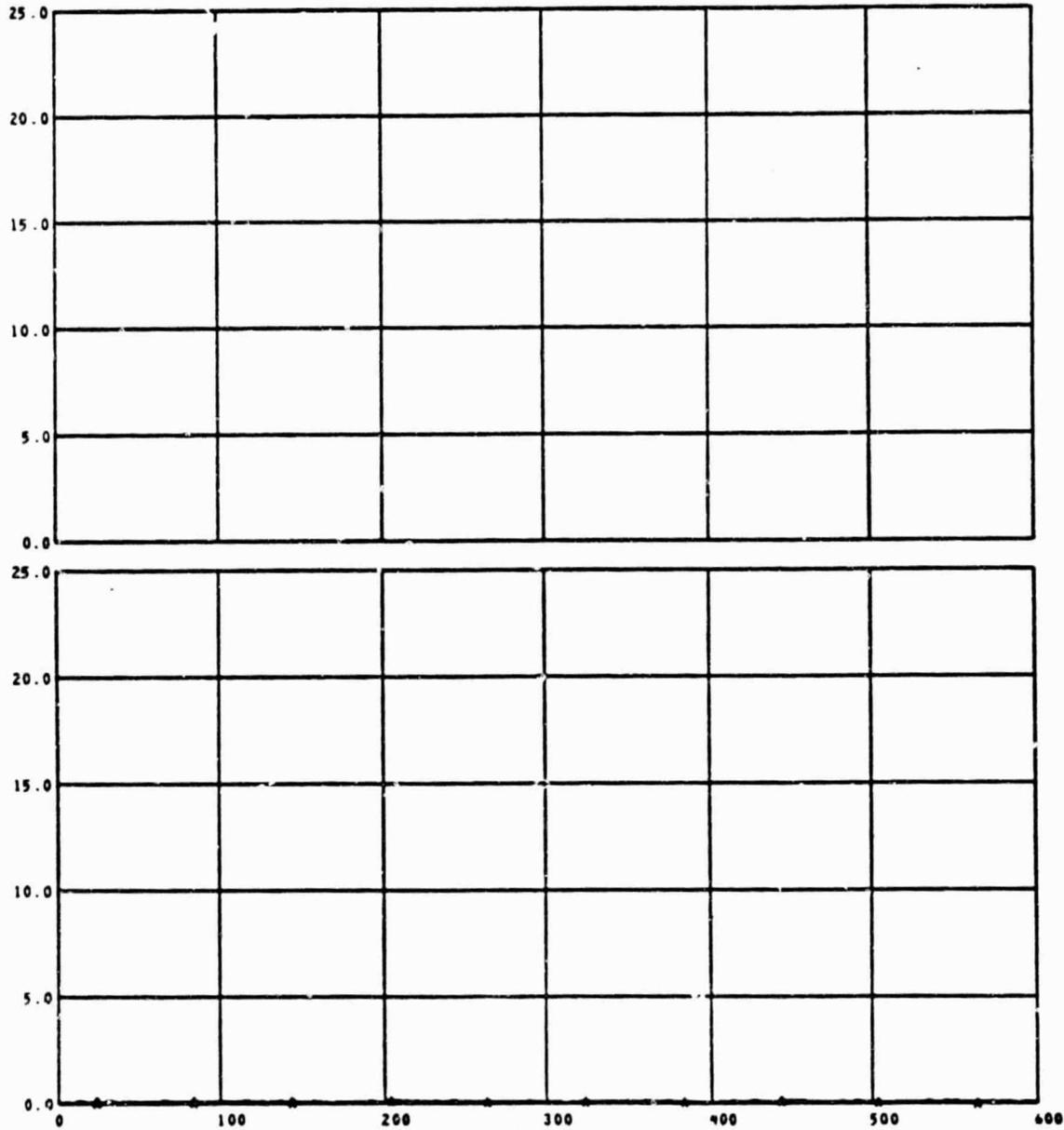


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA9

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 11 05 00.000

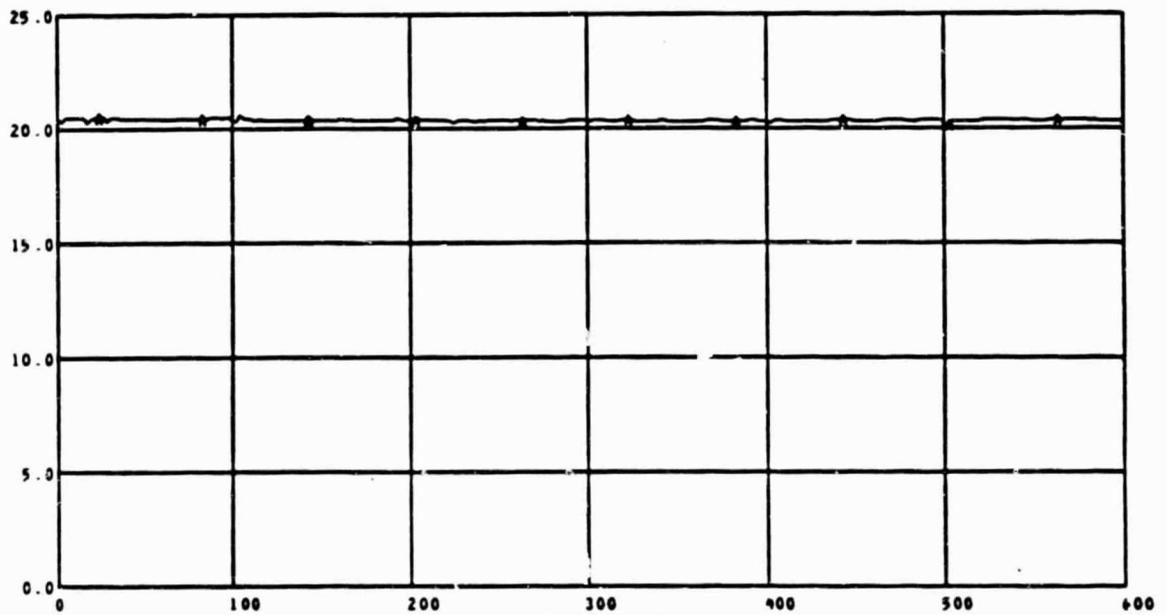
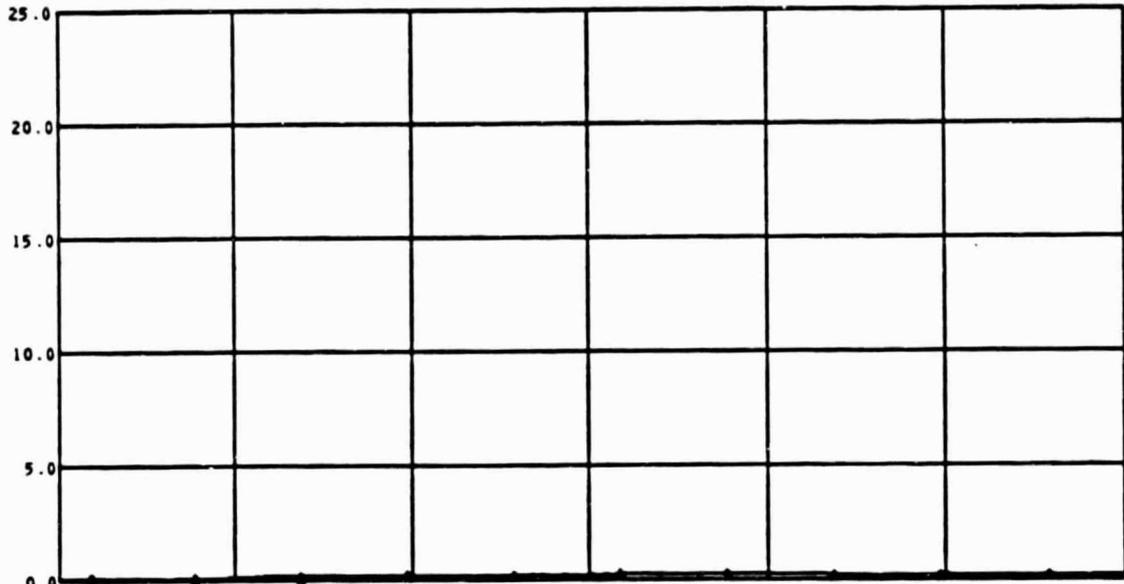


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CMXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA9

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 11 05 00.000

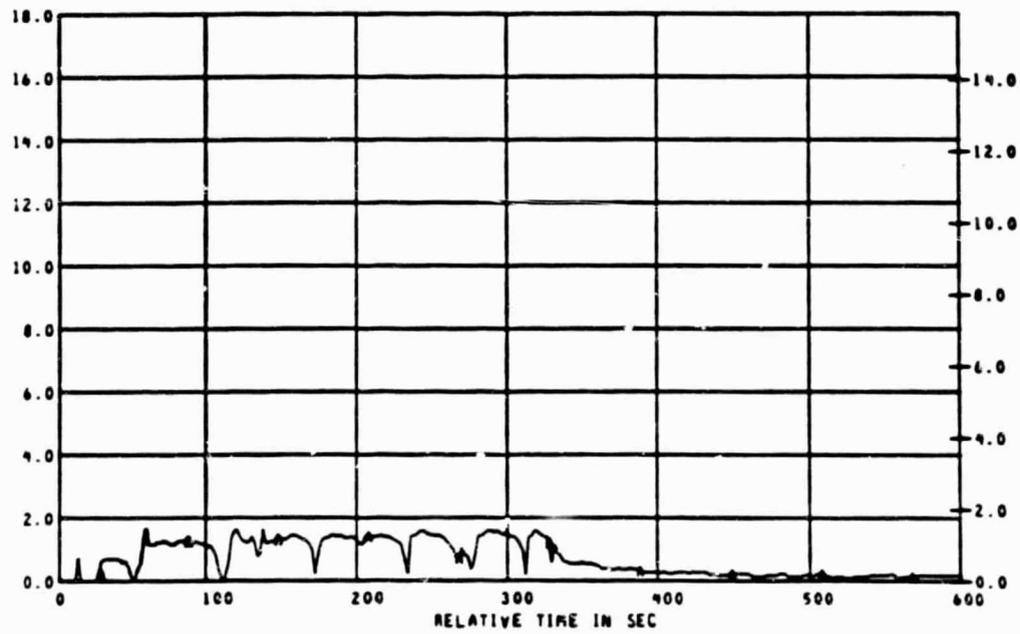
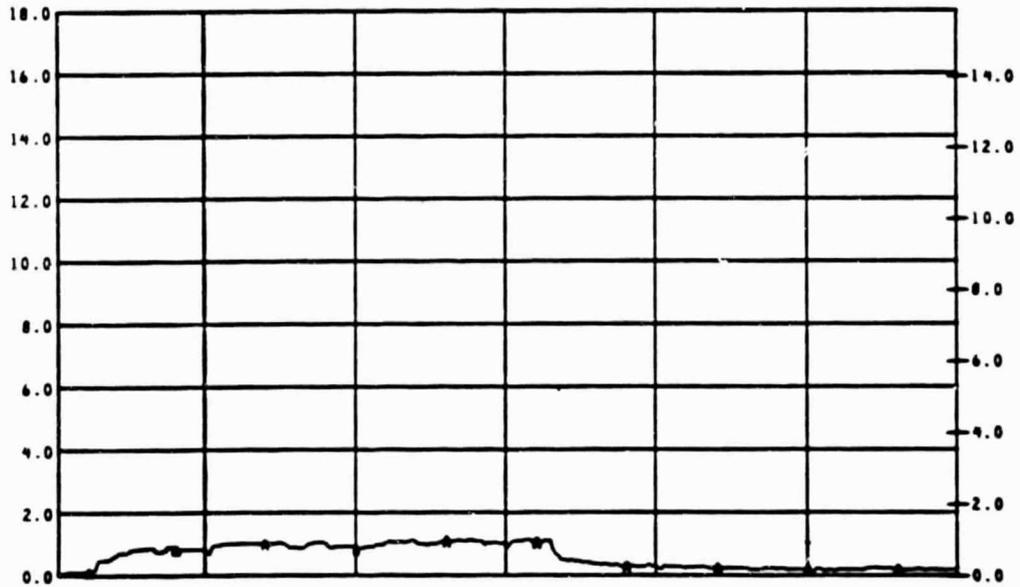


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	099	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA9

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 11 05 00.000

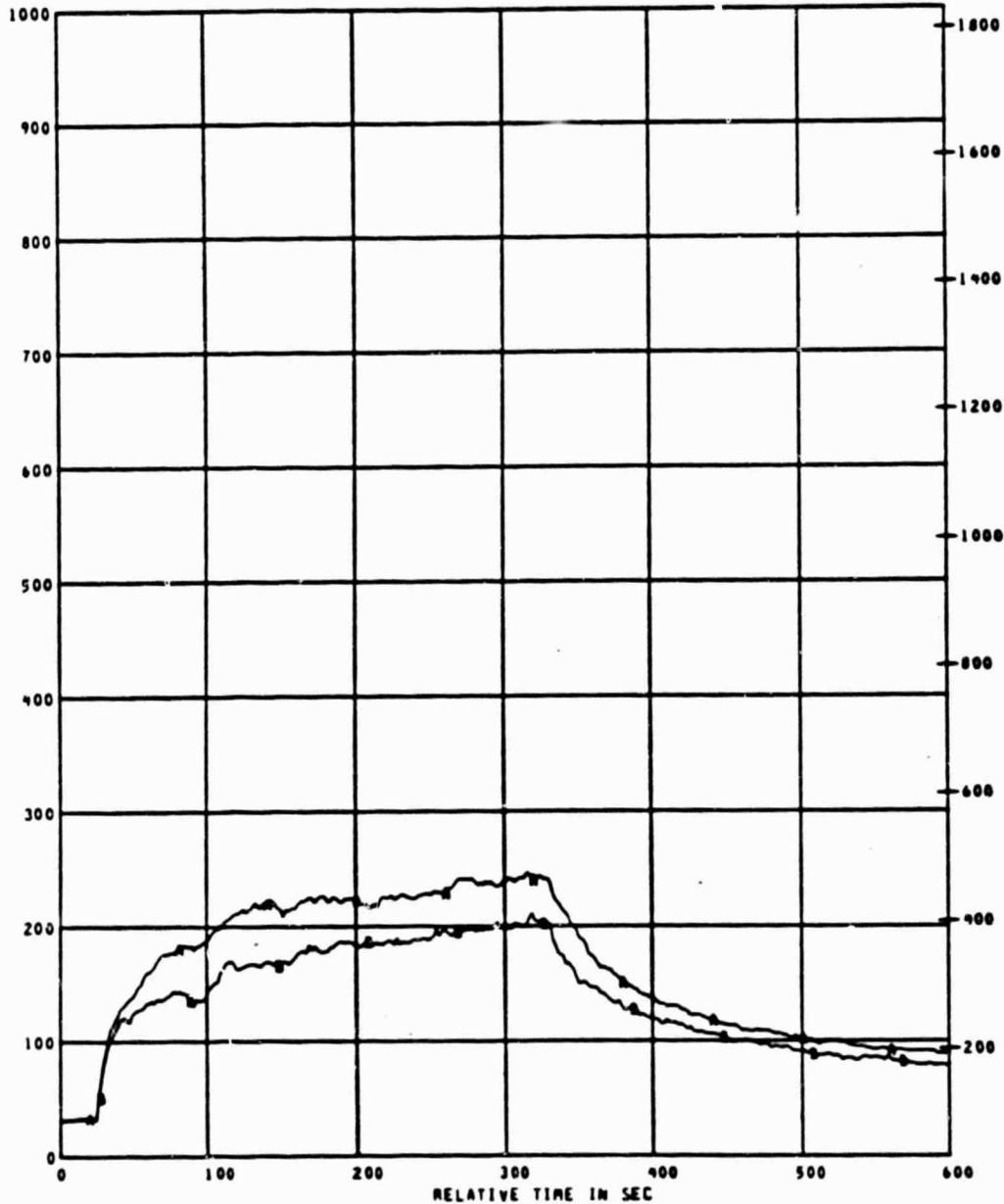


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
6 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
6 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 11 05 00.000



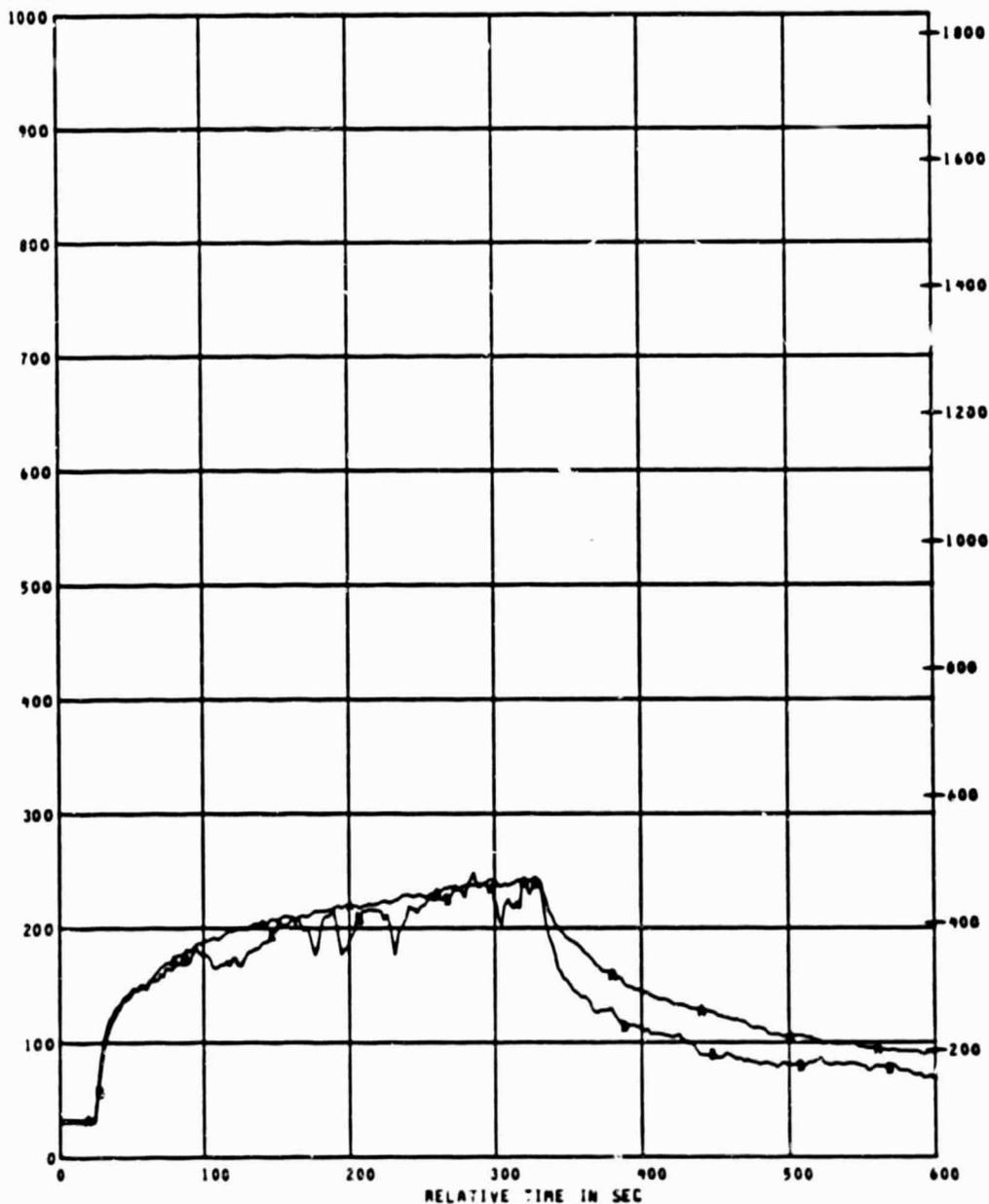
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 11 05 00.000



D  
E  
G  
F

MEAS. NUMBER  
# TSL3  
# TSC1

CHANNEL ASGN.  
103  
104

TITLE  
TEMP-SEAT LEFT REAR  
TEMP-SEAT CENTER FRONT

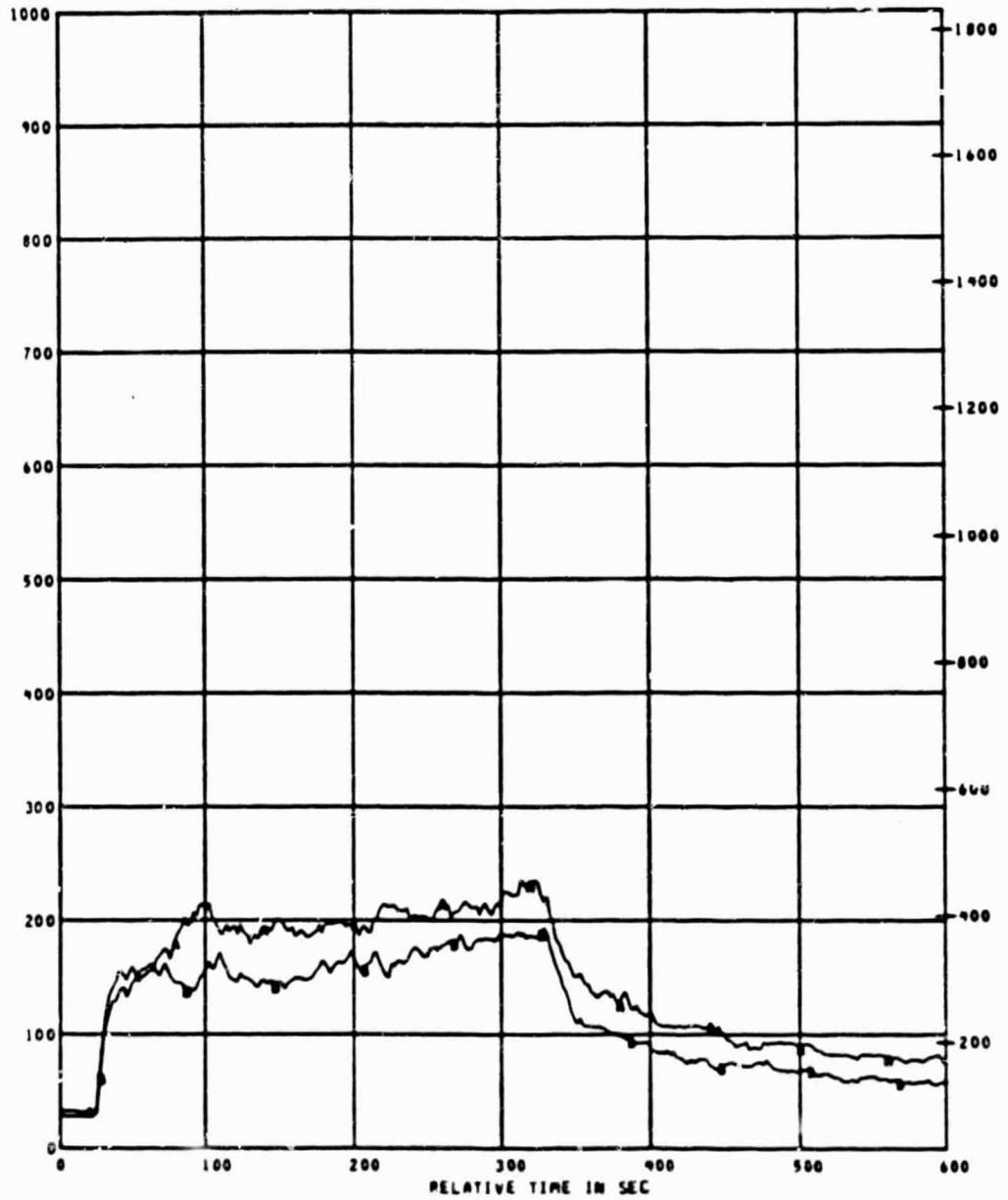
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NASAS

SEAT TST-DCT 1980 PLOT NO 9 - 1

REFERENCE TIME 11 05 00.000

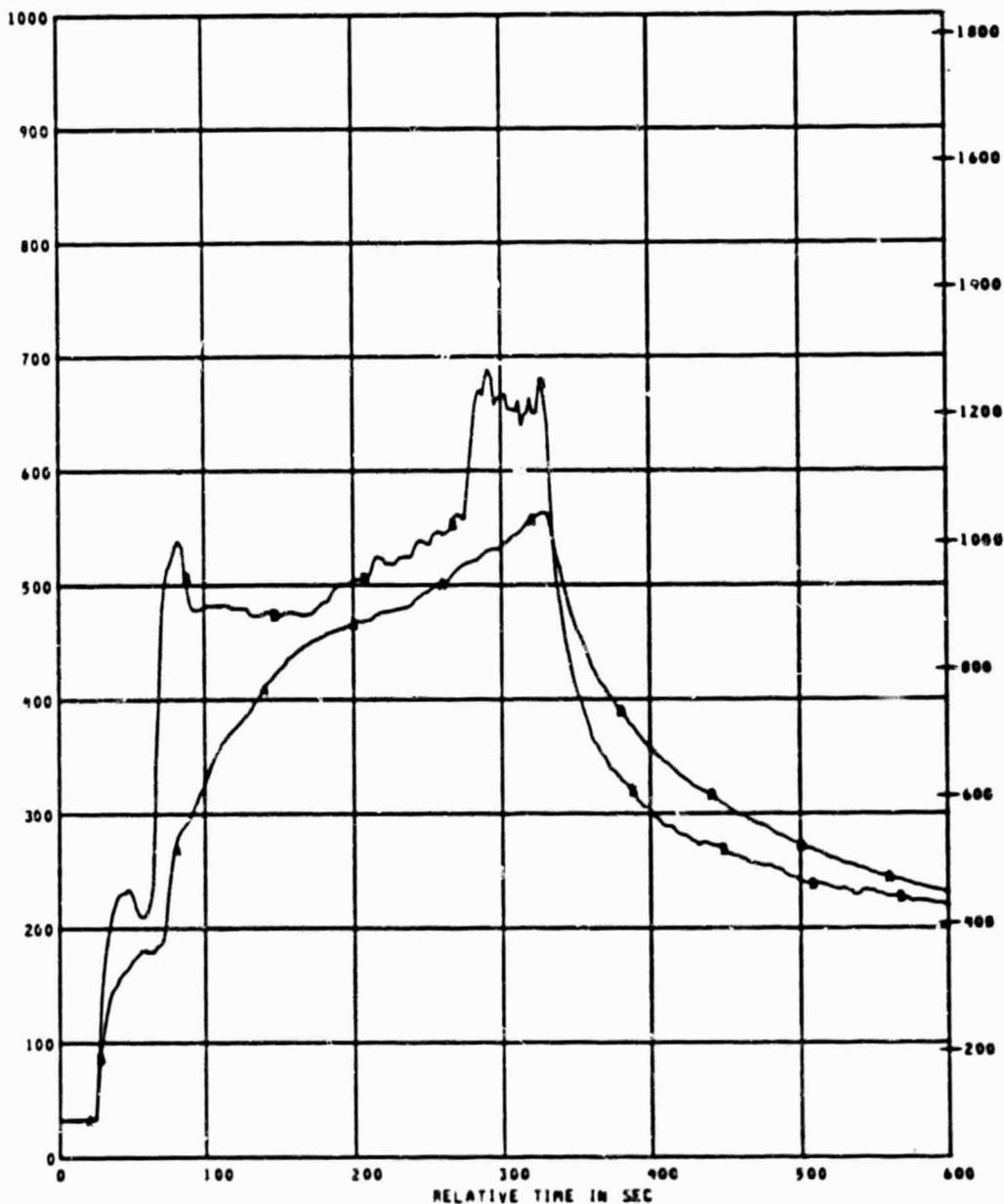


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 11 05 00.000



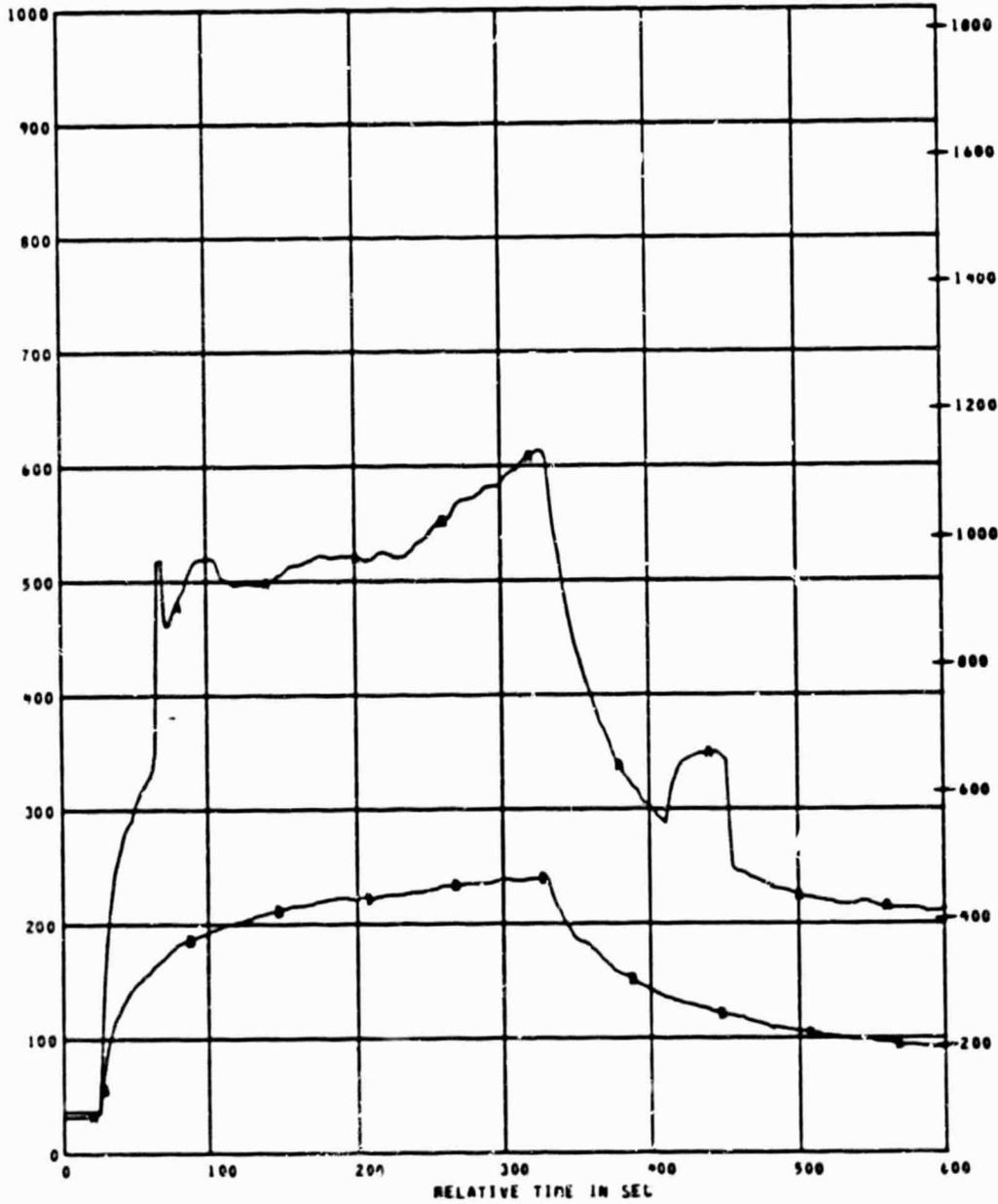
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
4 TSB1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
4 TSB2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASAS

SEAT TST-OCT 1.00 PLOT NO 11 - 1

REFERENCE TIME 11 05 00.000



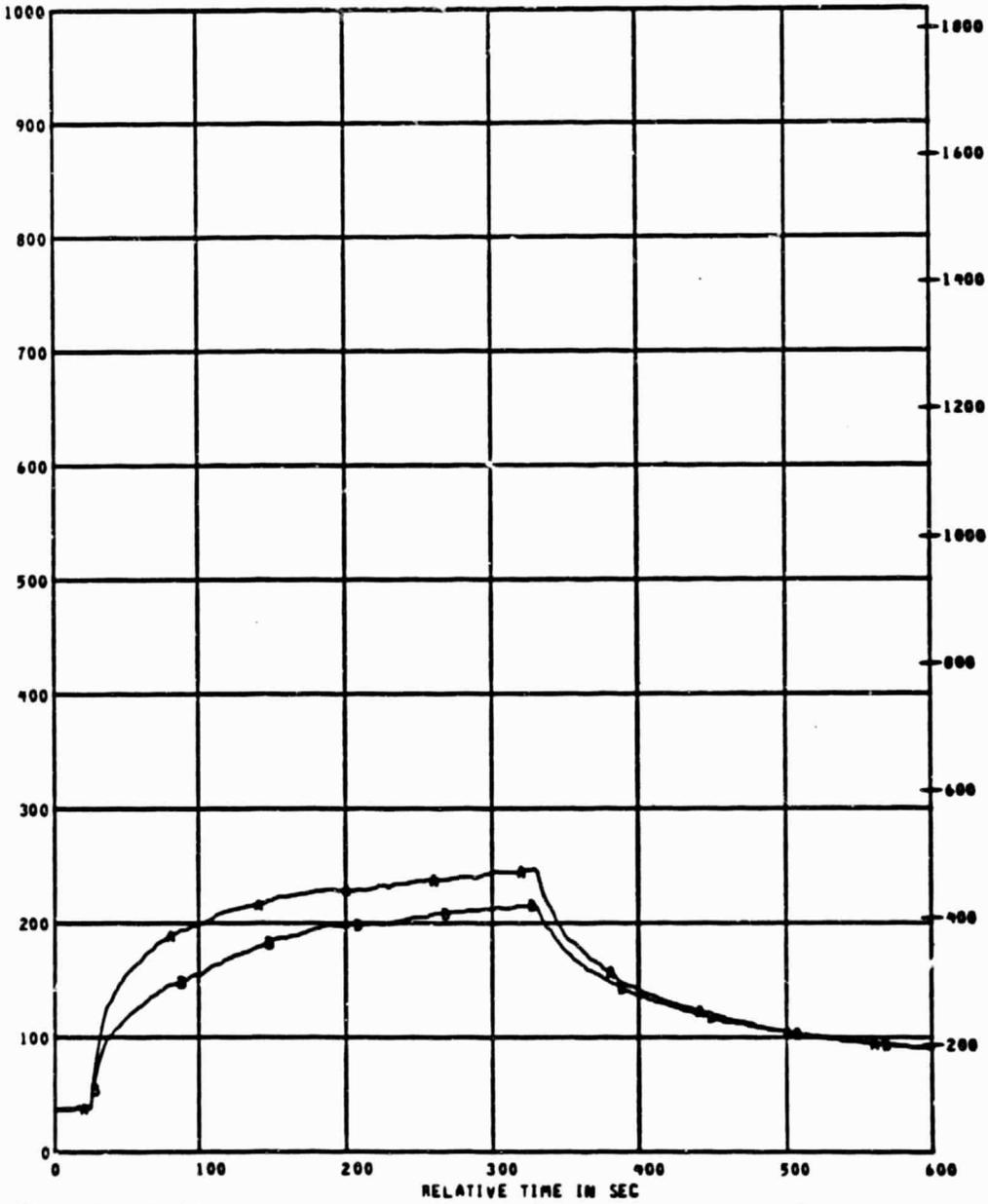
D  
E  
G  
C  
F

MEAS NUMBER	CHANNEL ASGN	TITLE	RANGE	UNITS	GRID-SYM
TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS95

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 11 05 00.000



D  
E  
G  
F

MEAS. NUMBER  
# TBL2  
# TBL3

CHANNEL ASGN.  
111  
112

TITLE  
TEMP-BACK LEFT MIDDLE  
TEMP-BACK LEFT TOP

RANGE  
0 TO 1000  
0 TO 1000

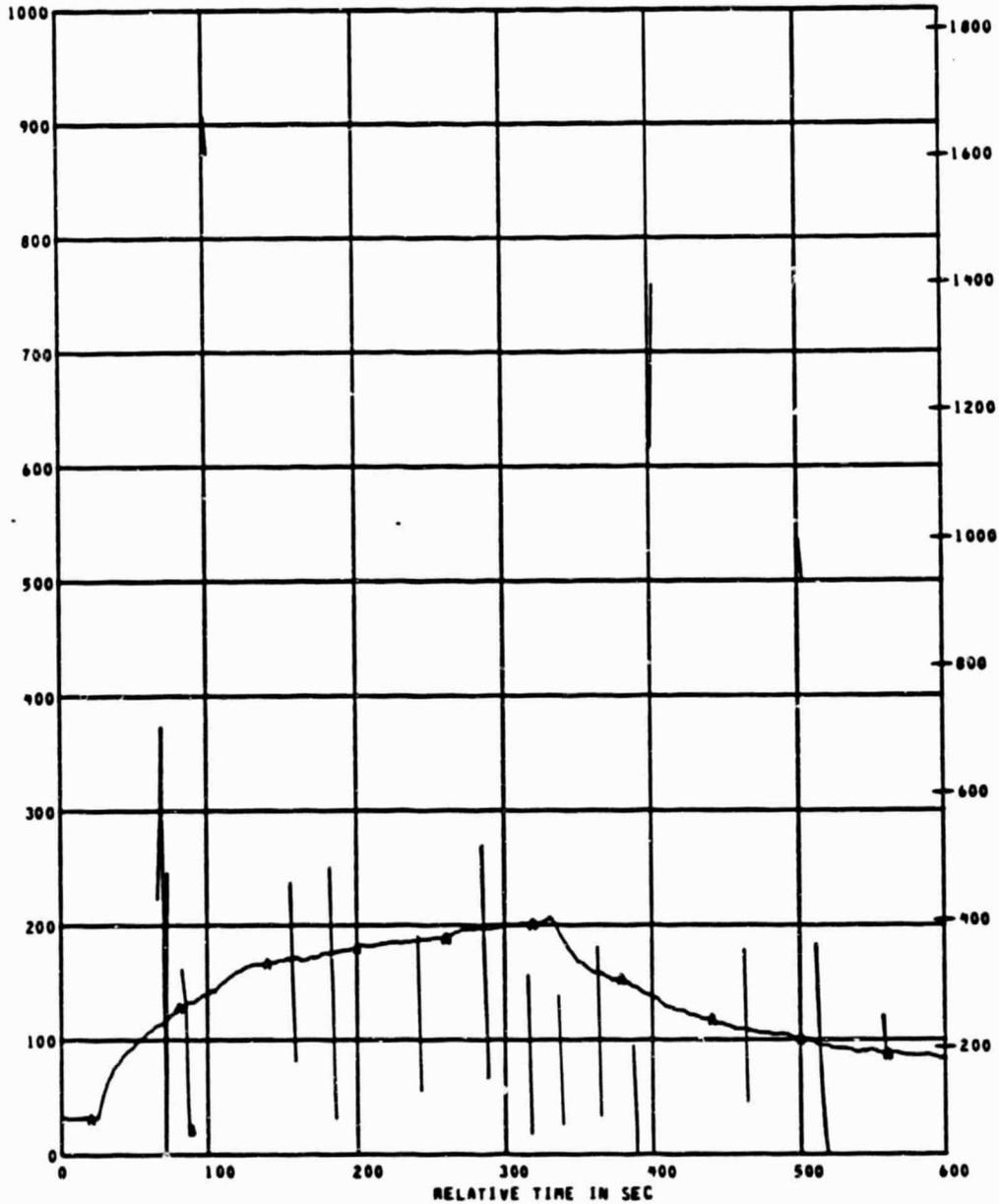
UNITS GRID-SYM  
DEG C AA  
DEG C AB

C-2

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 11 05 00.000



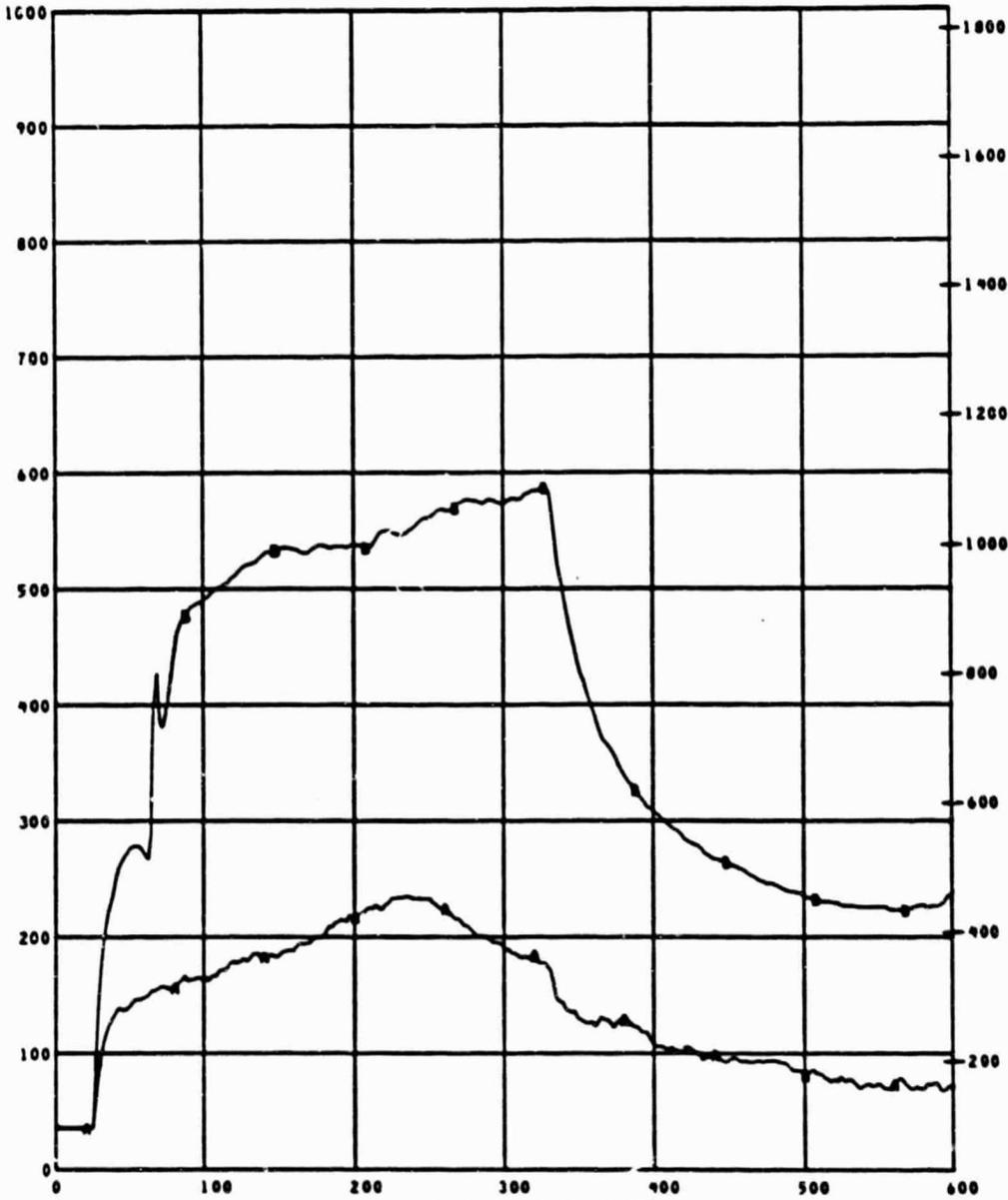
D  
E  
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F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
• TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASAS

SEAT TST-OCT 1980 PLQT NO 14 - 1

REFERENCE TIME 11 05 00.000



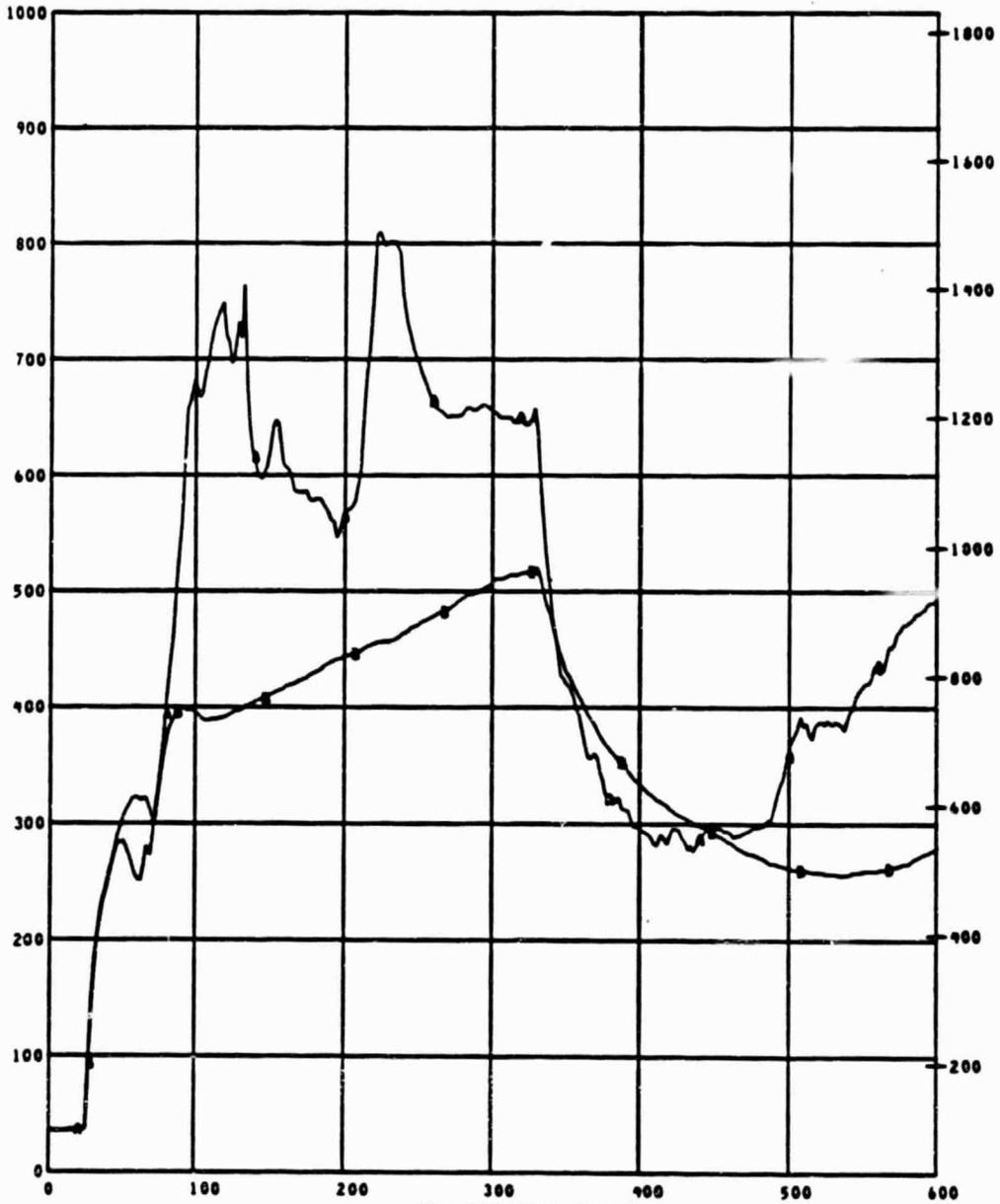
B  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
2 TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 11 05 00.000

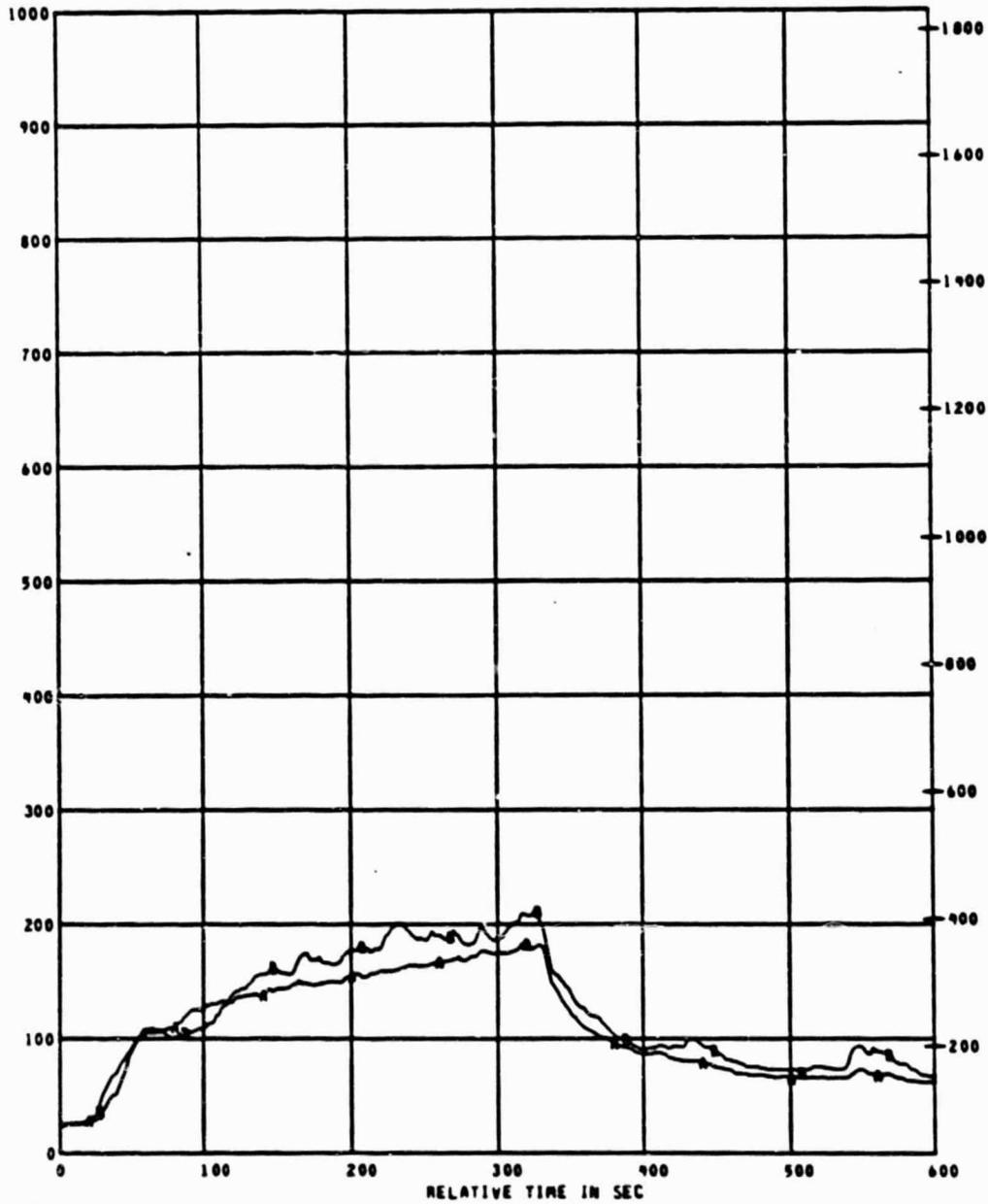


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 11 05 00.000



MEAS. NUMBER  
\* TCL  
\* TCR

CHANNEL ASGN.  
119  
120

TITLE  
TEMP-CEILING LEFT  
TEMP-CEILING RIGHT

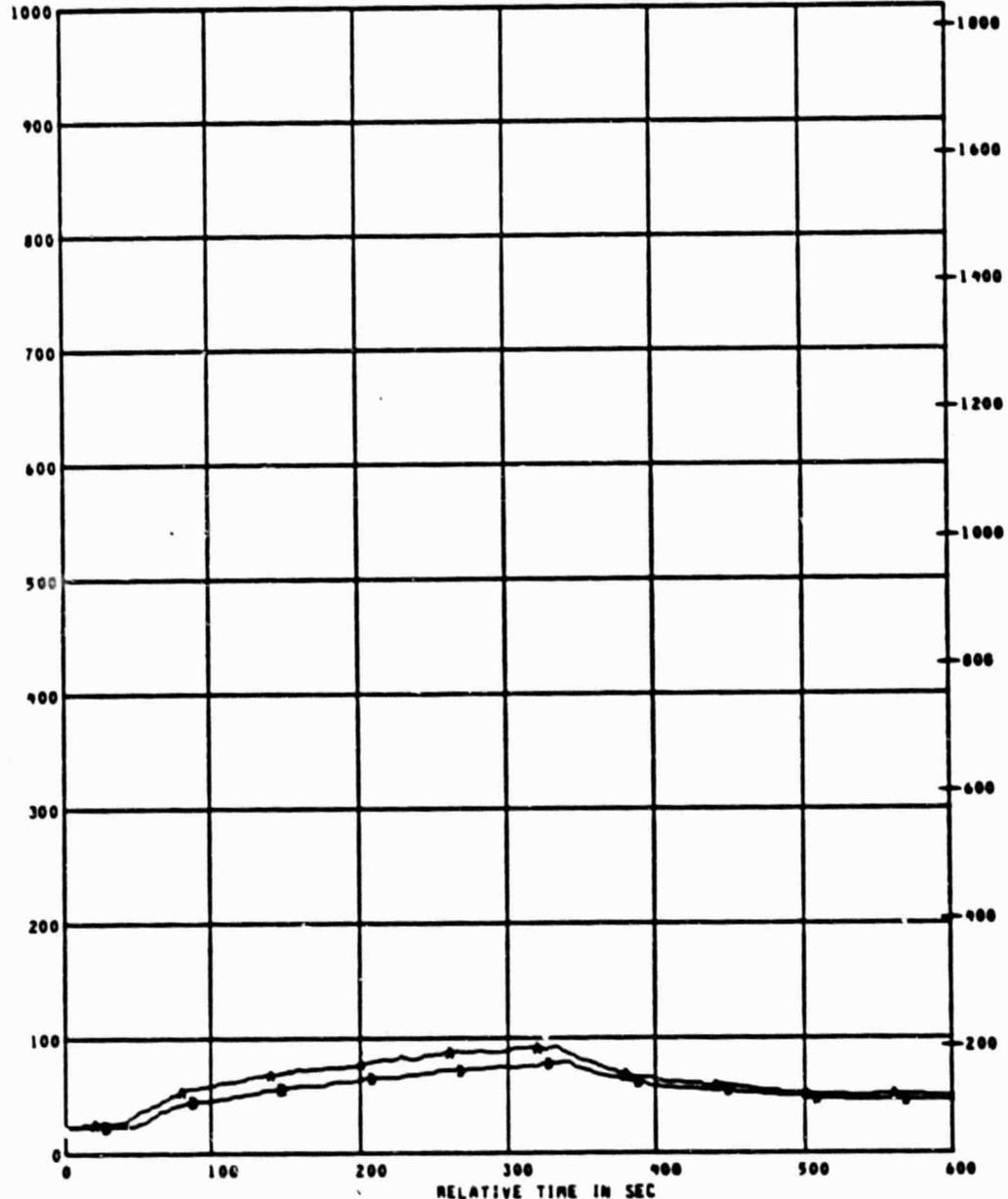
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 11 05 00.000



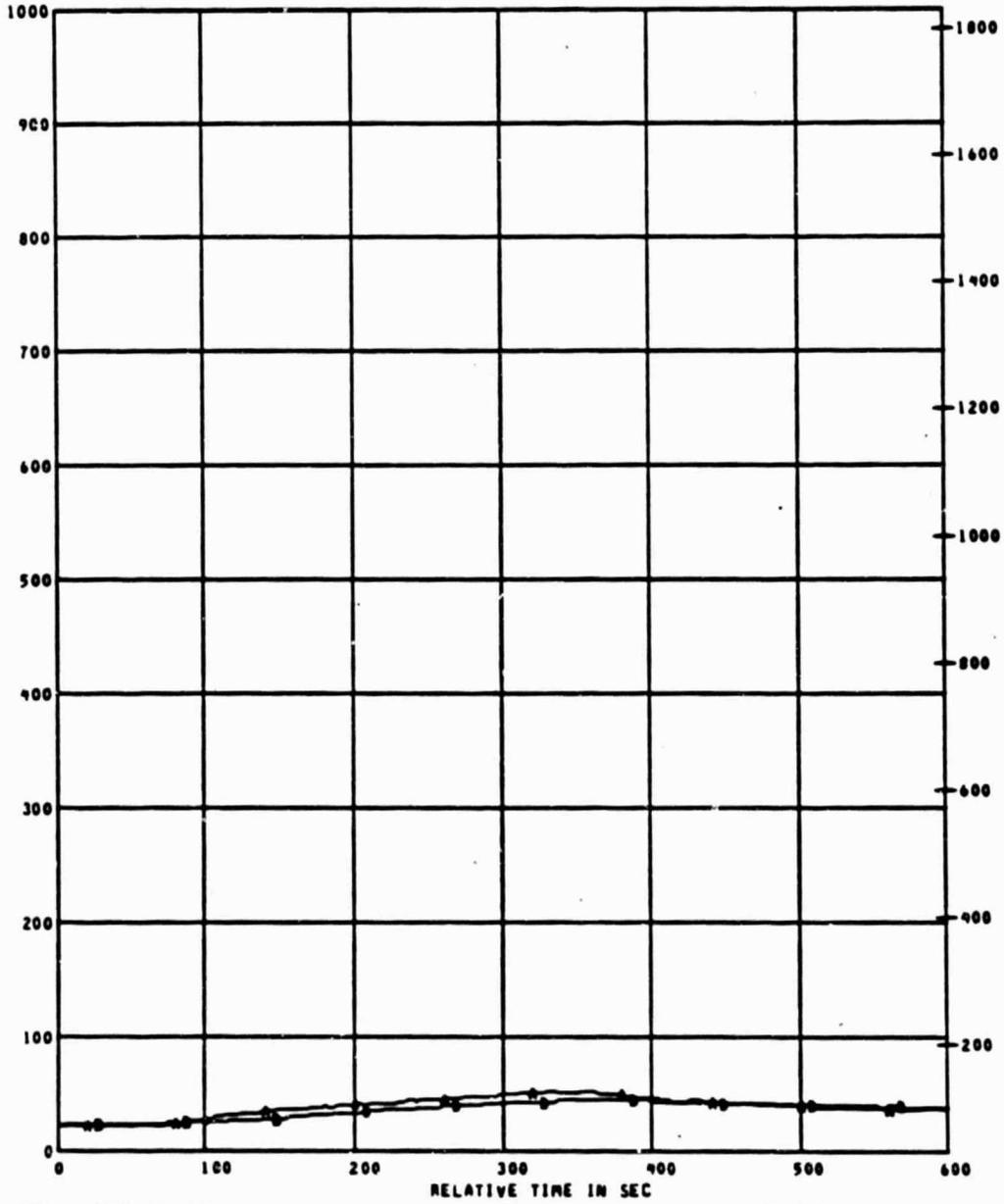
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
• TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 11 05 00.000



D  
E  
G  
F

MEAS. NUMBER  
 \* TRC  
 \* TAO

CHANNEL ASGN.  
 123  
 124

TITLE  
 TEMP-ANIMAL CAGE  
 TEMP-AIR OUT

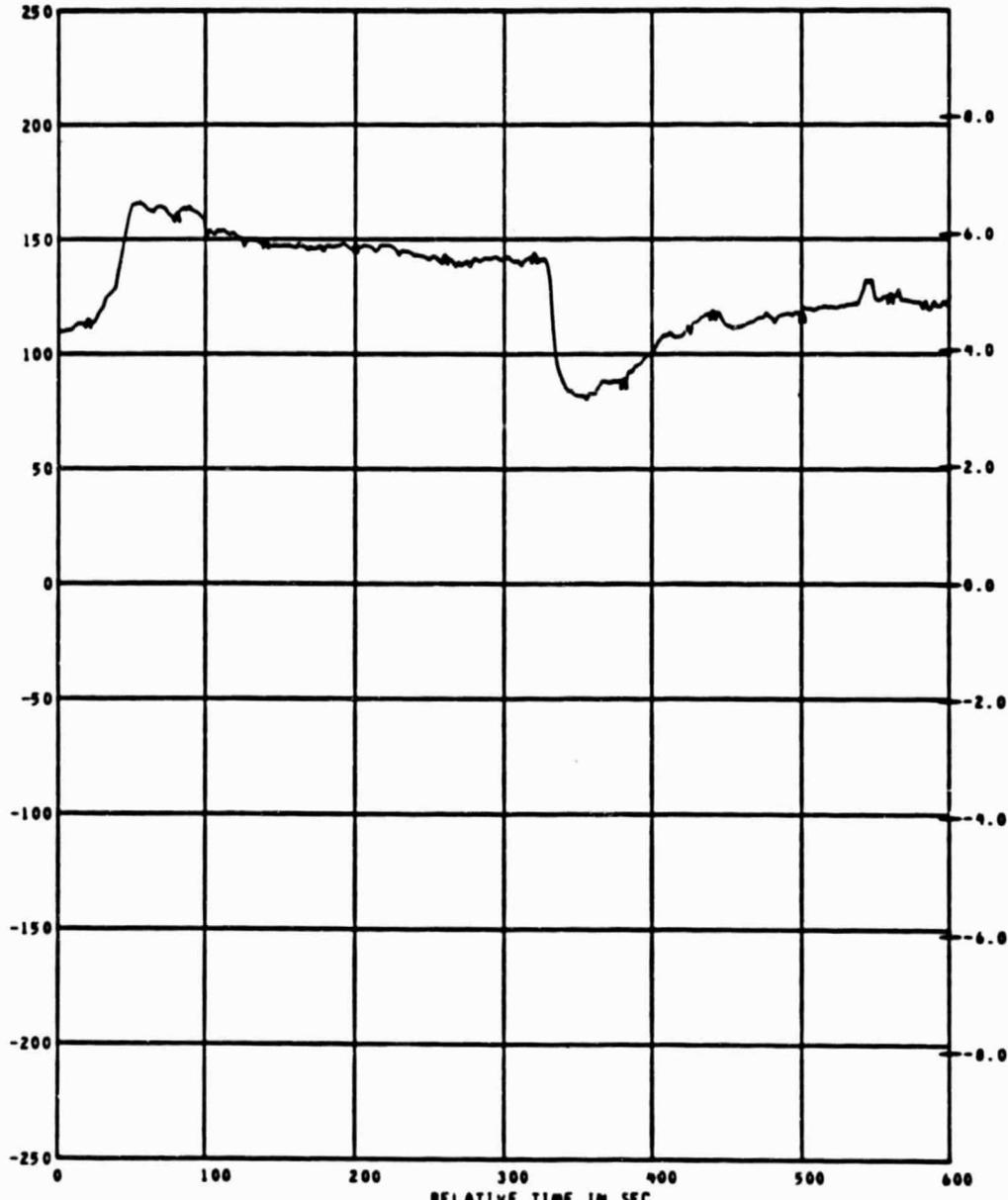
RANGE  
 0 TO 1000  
 0 TO 1000

UNITS GRID-SYM  
 DEG C AA  
 DEG C AB

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 11 05 00.000



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MEAS. NUMBER  
& DPC

CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

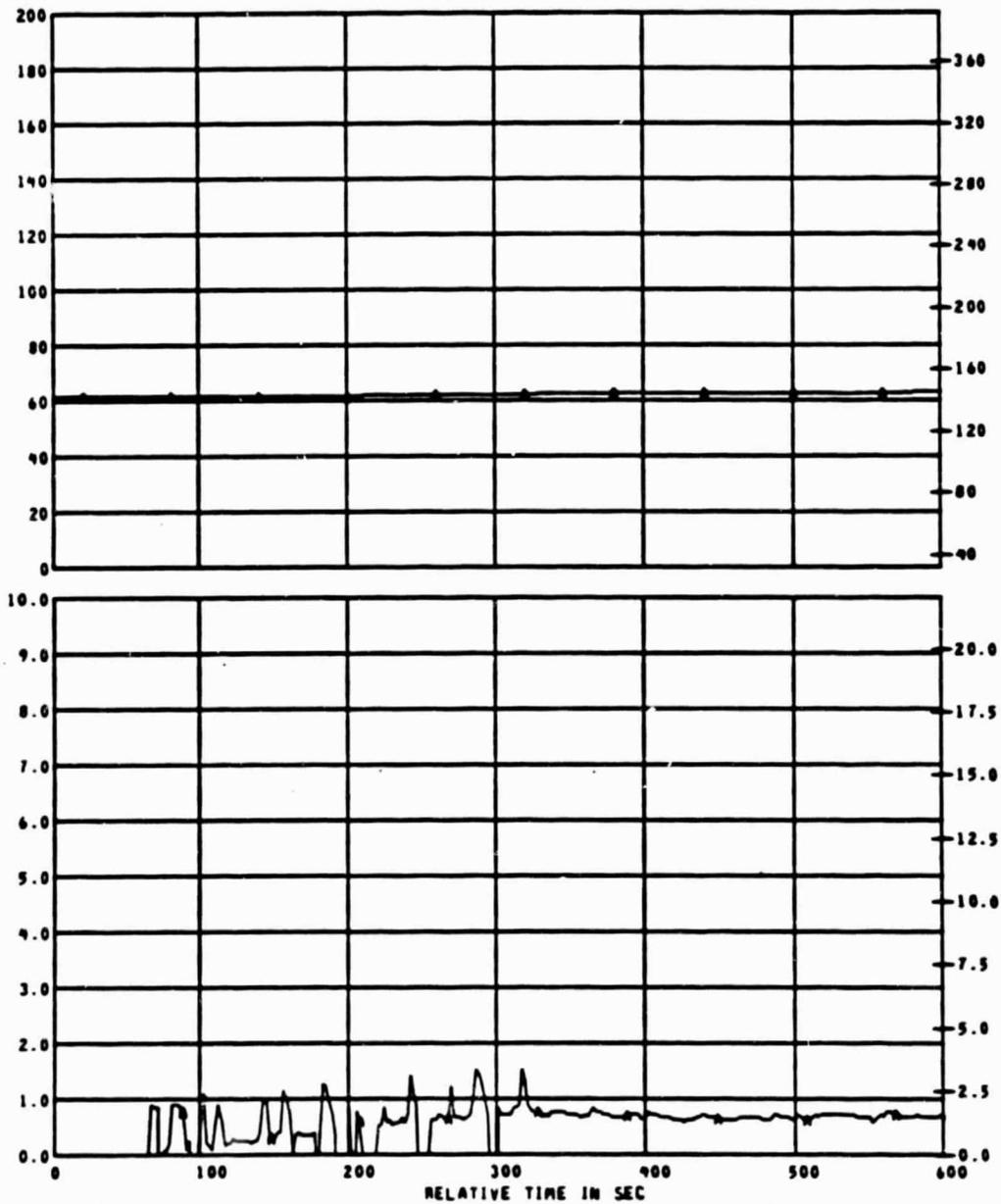
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM M20 AA

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 11 05 00.000



D  
E  
G  
F

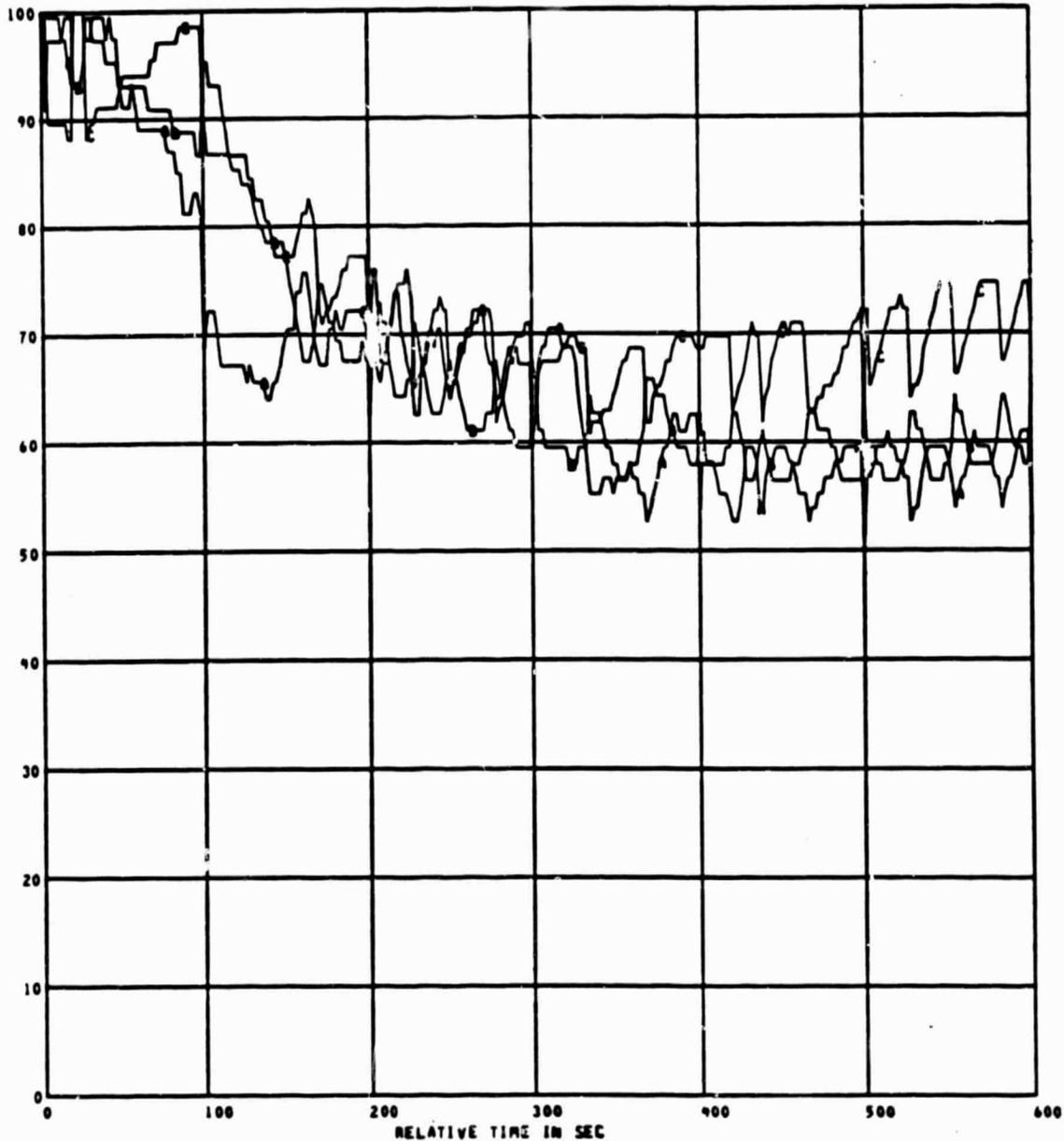
L  
B  
S

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
• WL	199	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 00 01.000

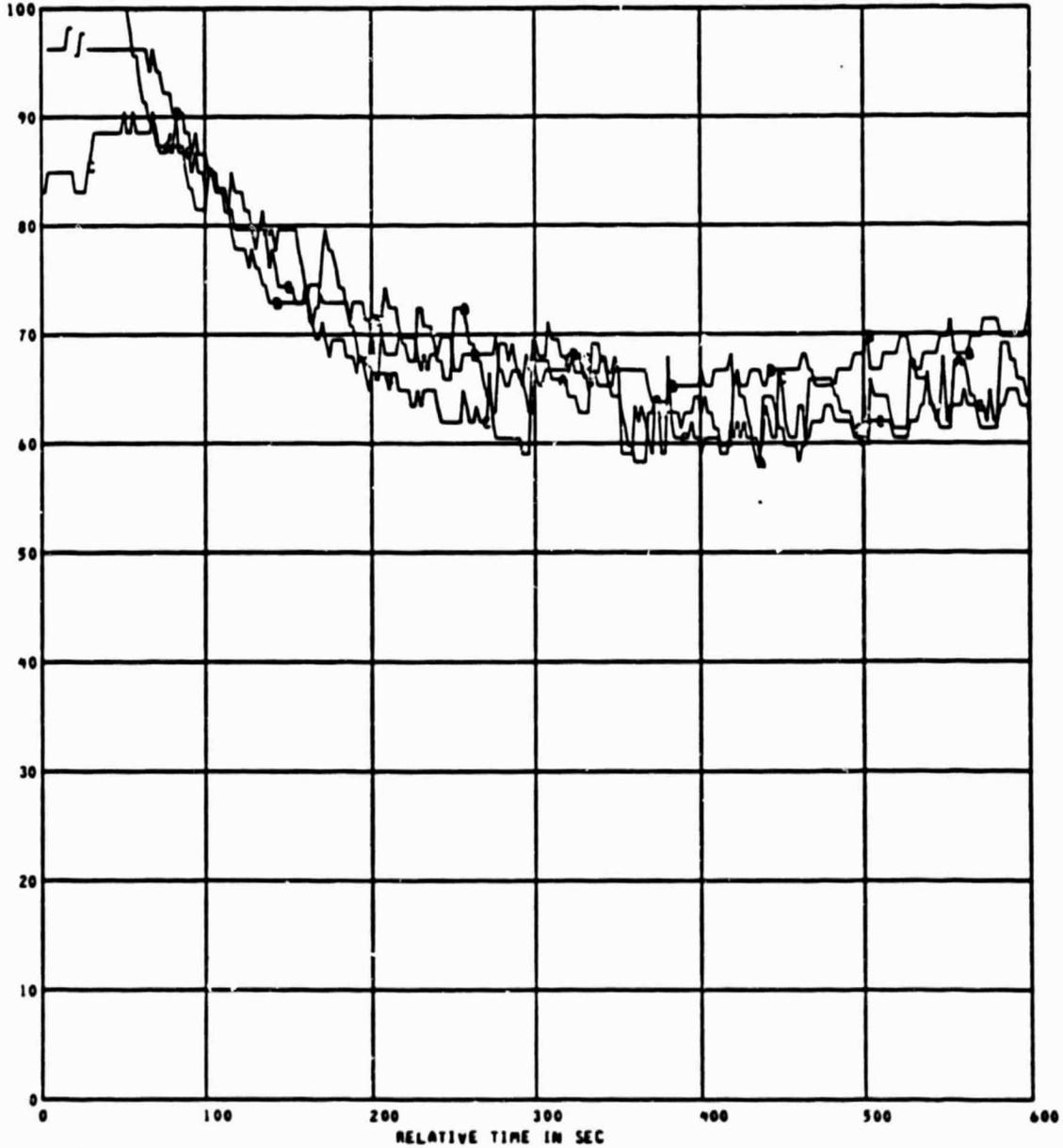


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA6

SEAT T5T-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10'00 01.000

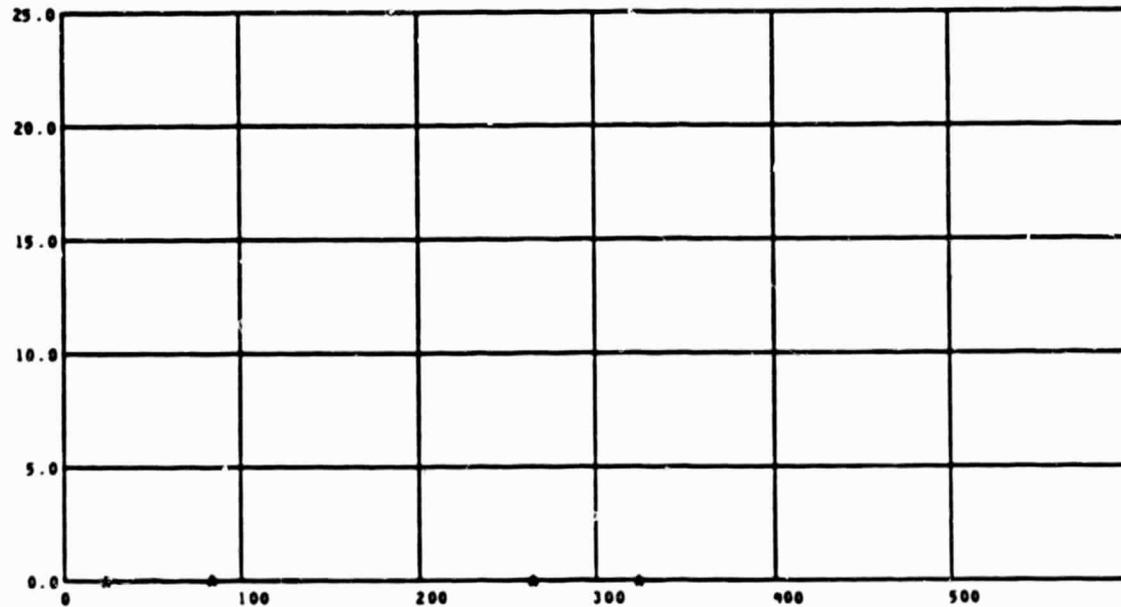
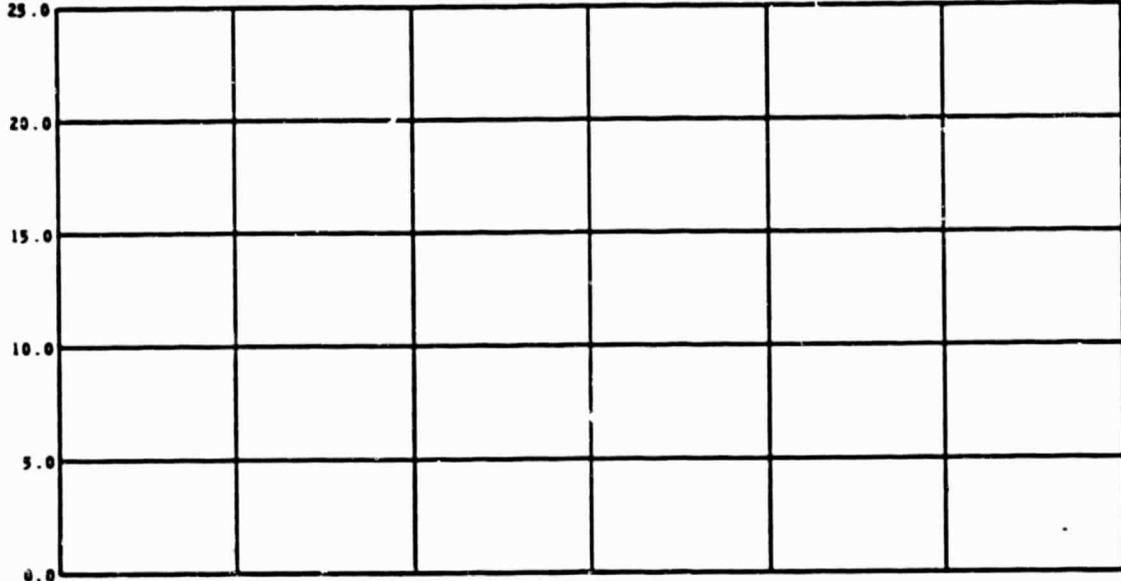


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASAG

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 00 01.000

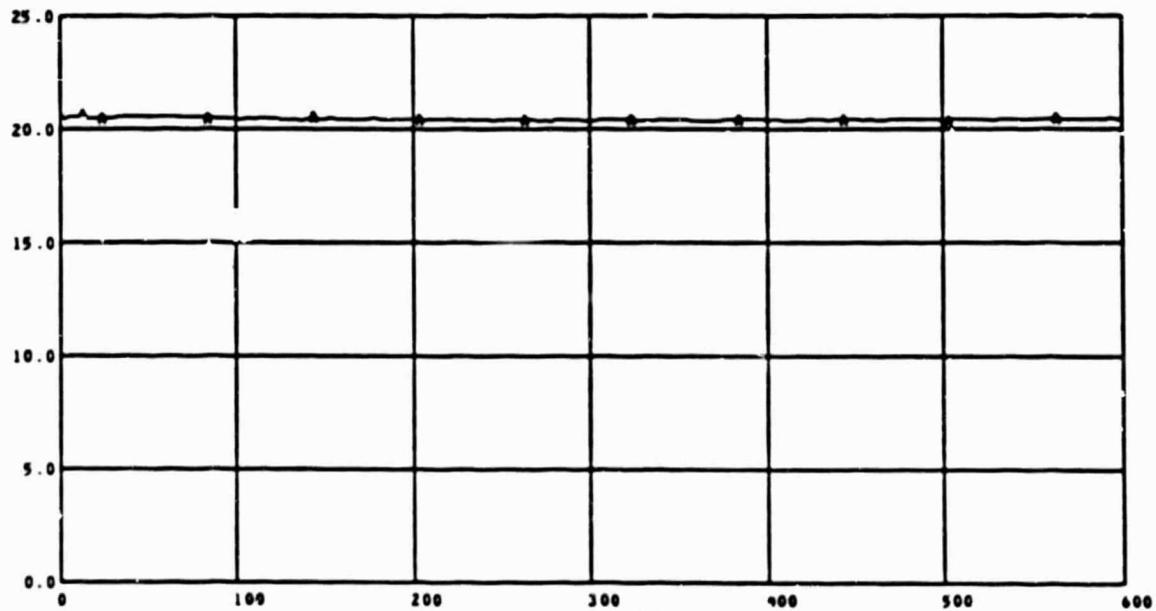
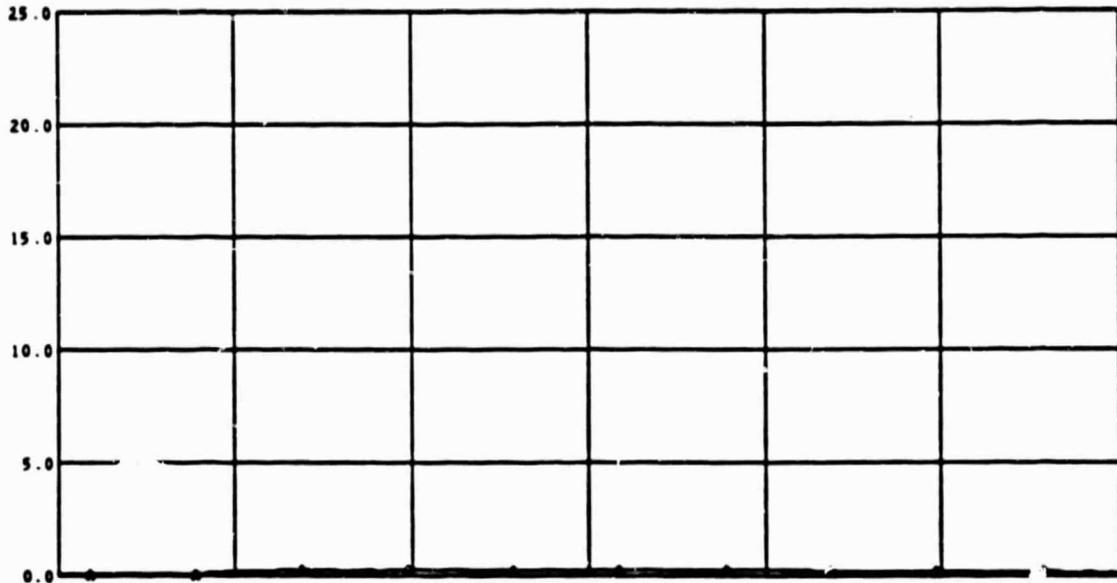


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHKE	005	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	004	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 10 00 01.000

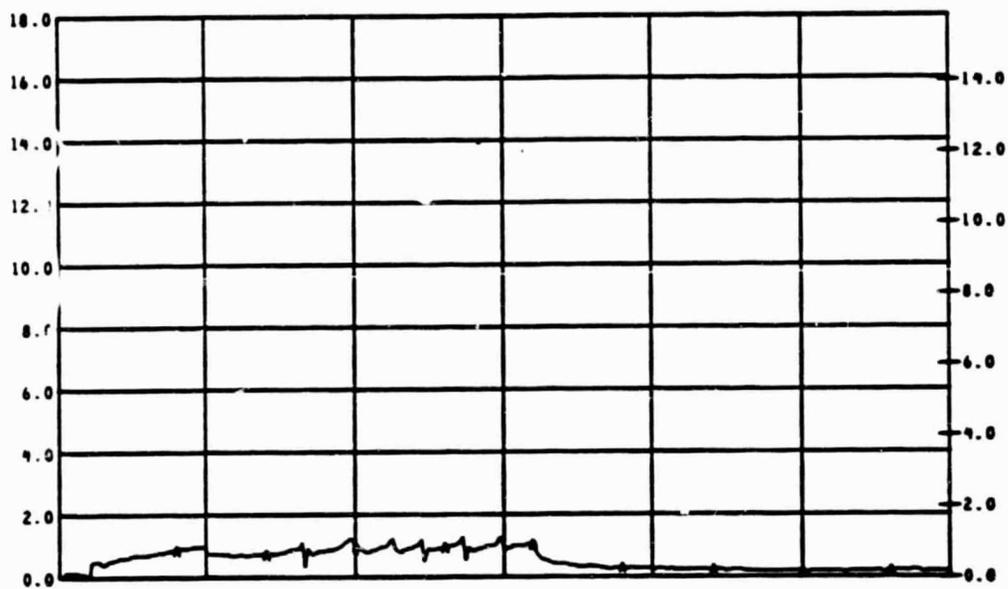


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AP
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

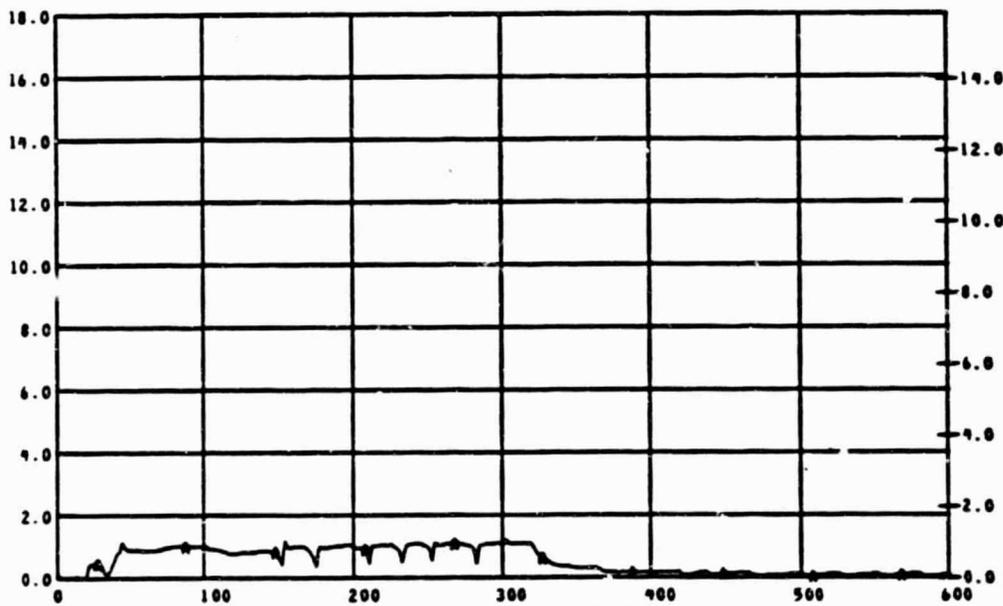
TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 10 00 01.000



B  
T  
U  
/  
F  
T  
2



B  
T  
U  
/  
F  
T  
2

MEAS. NUMBER  
3 CU  
6 CL

CHANNEL ASGN.  
150  
151

TITLE  
CALORIMETER UPPER  
CALORIMETER LOWER

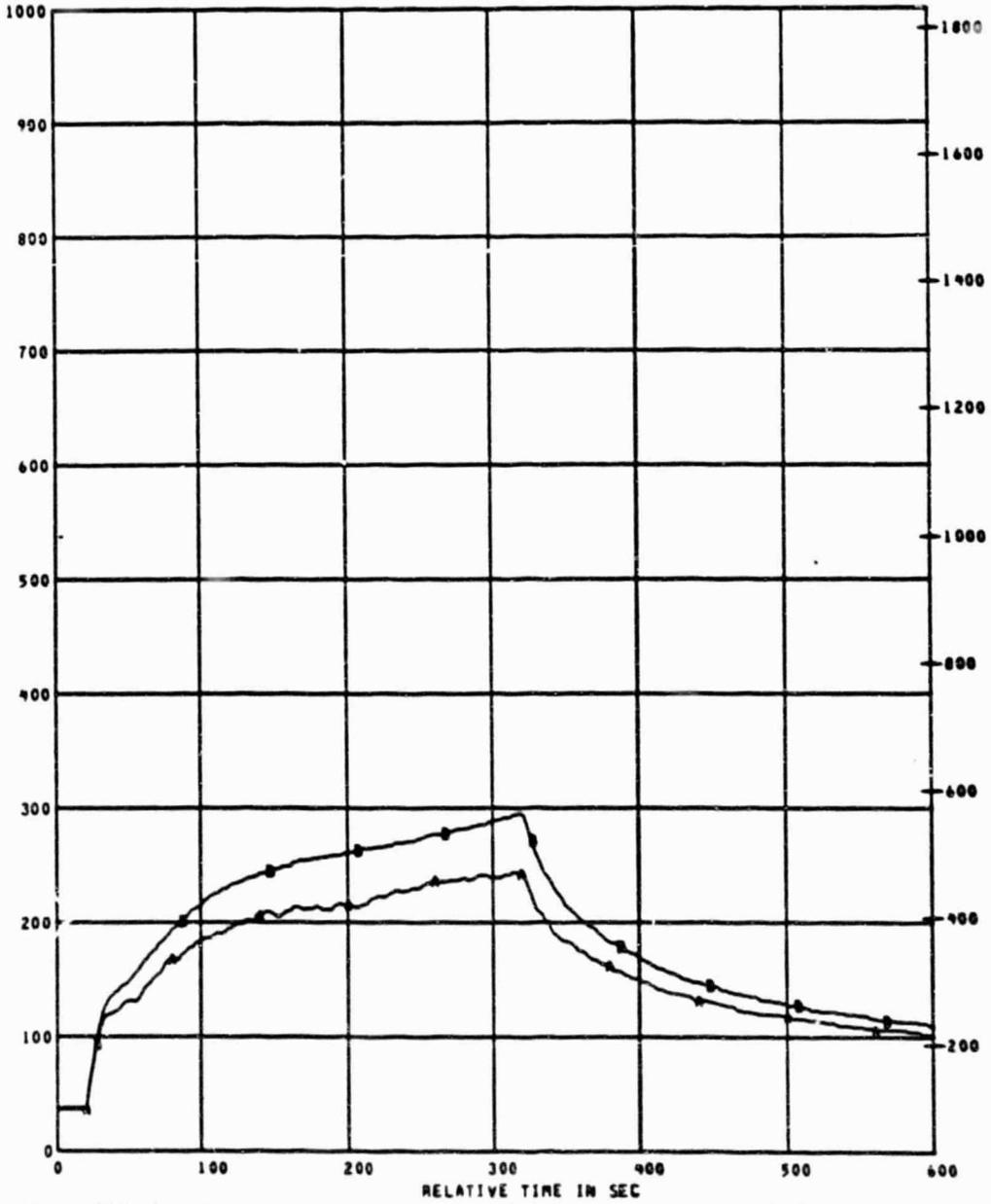
RANGE  
0.0 TO 18.0  
0.0 TO 18.0

UNITS GRID-SYM  
WATT/CM2 AA  
WATT/CM2 BA

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 10 00 01.000

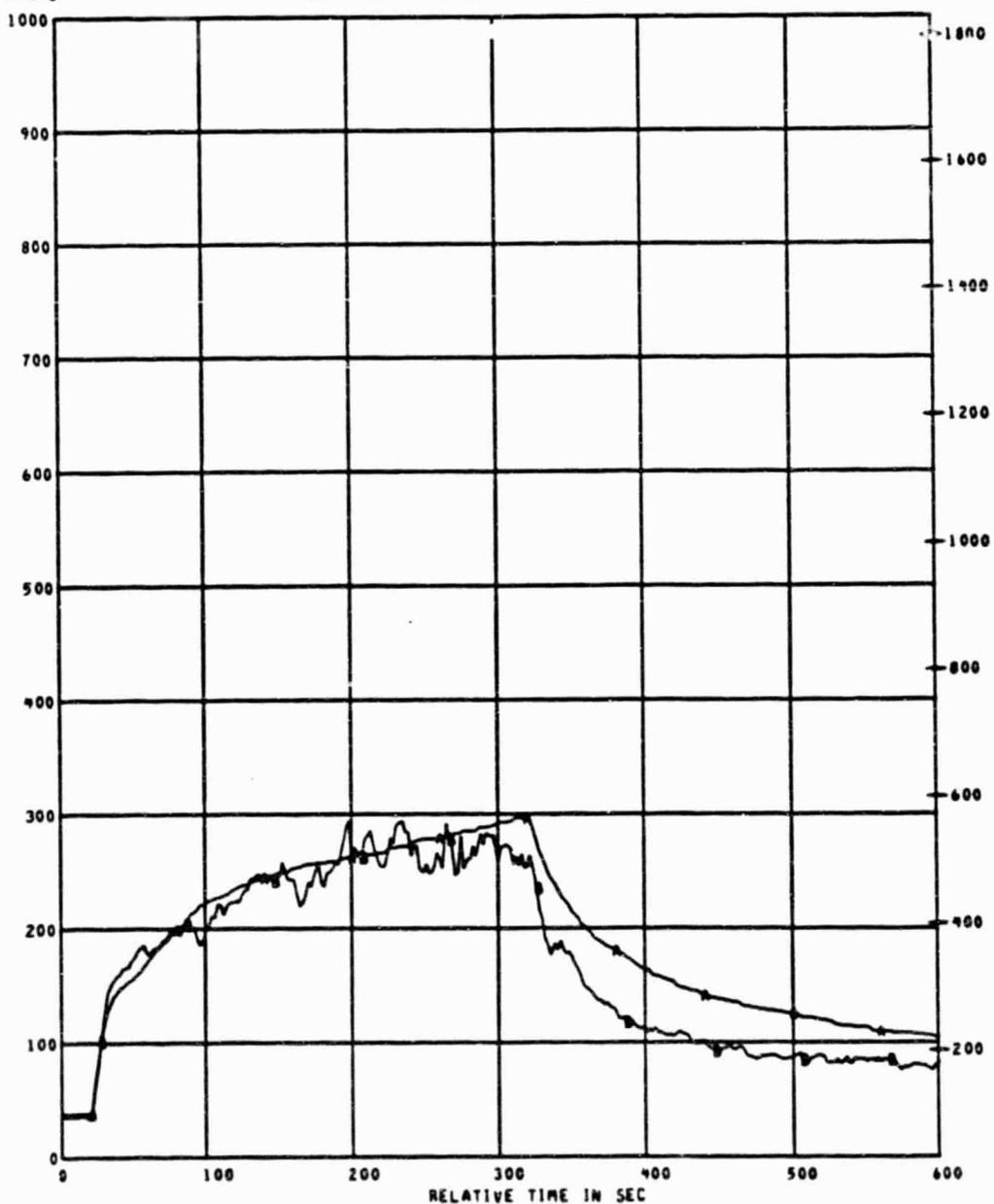


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 00 01.000

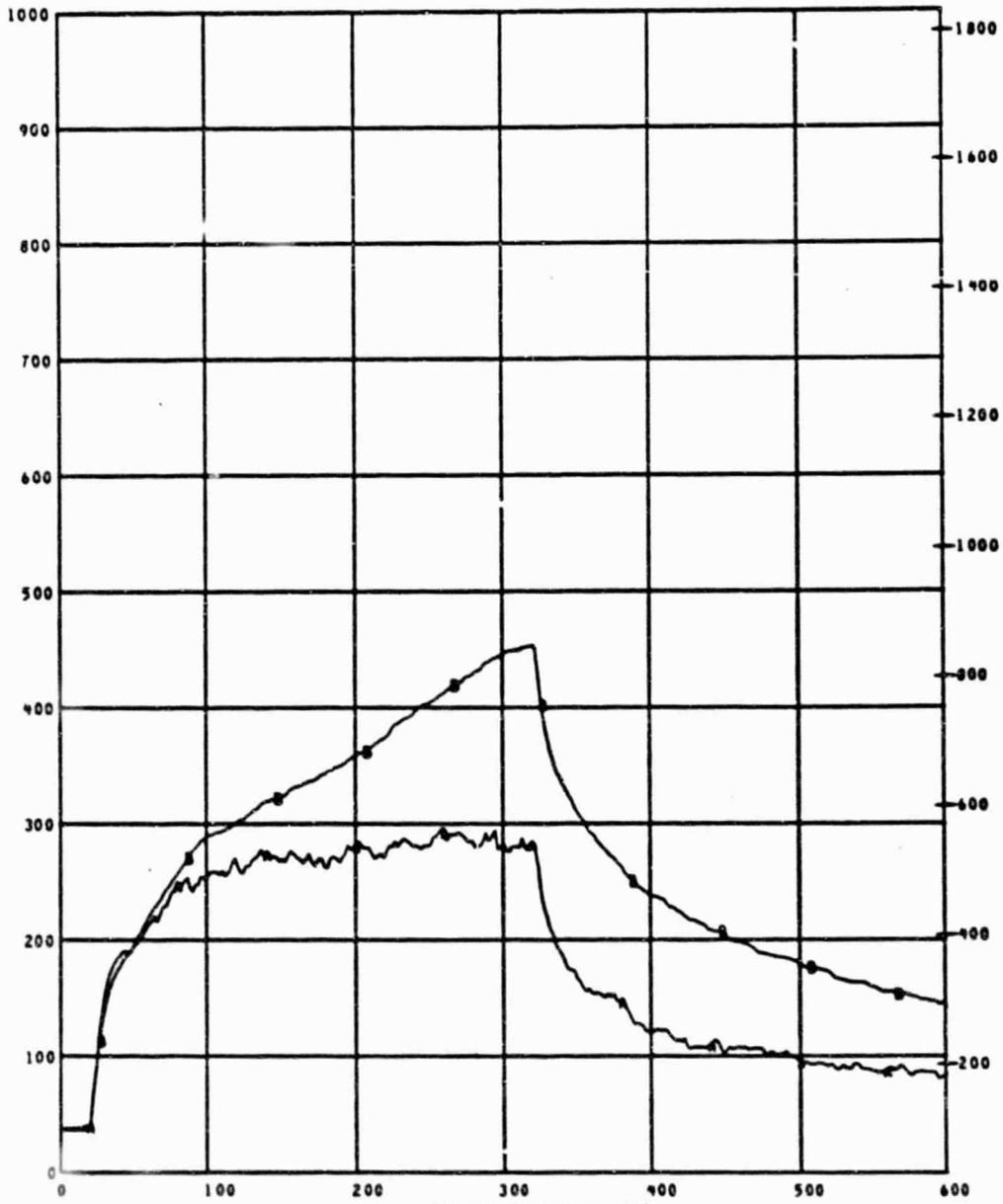


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 10 00 01.000



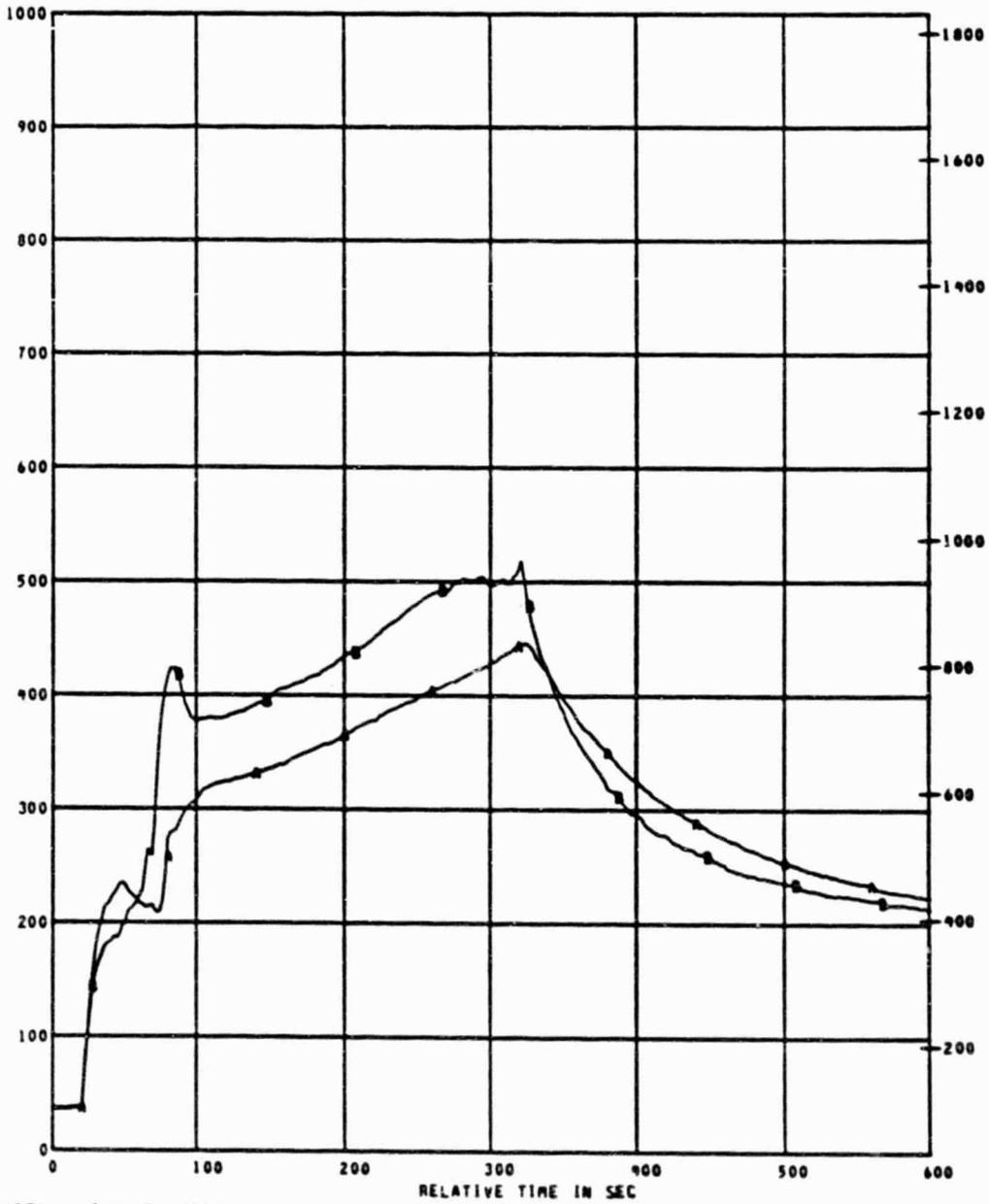
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 00 01.000

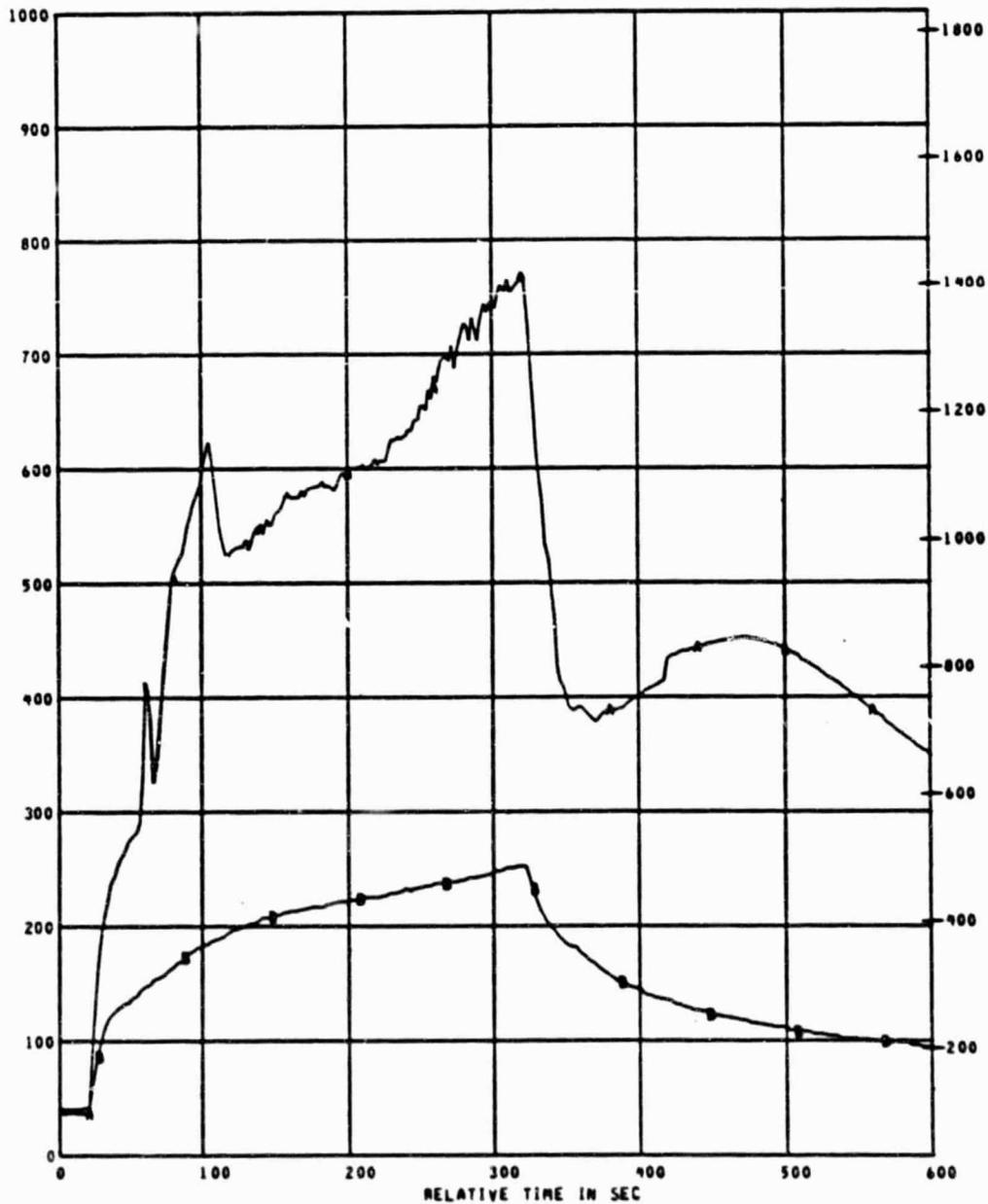


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 00 01.000



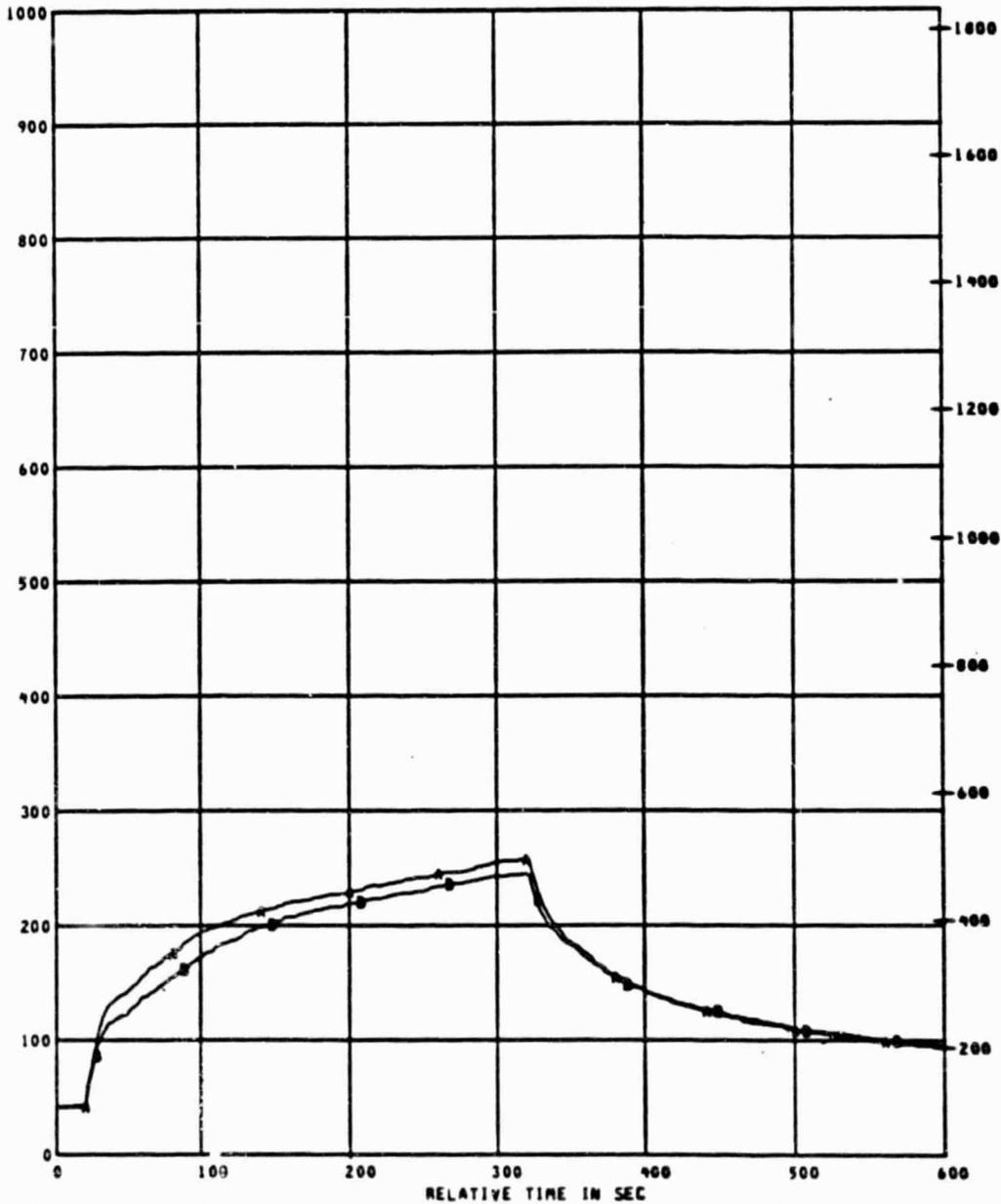
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASSN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 00 01.000



D  
E  
G  
F

MEAS. NUMBER  
• TBL2  
• TBL3

CHANNEL ASGN.  
111  
112

TITLE  
TEMP-BACK LEFT MIDDLE  
TEMP-BACK LEFT TOP

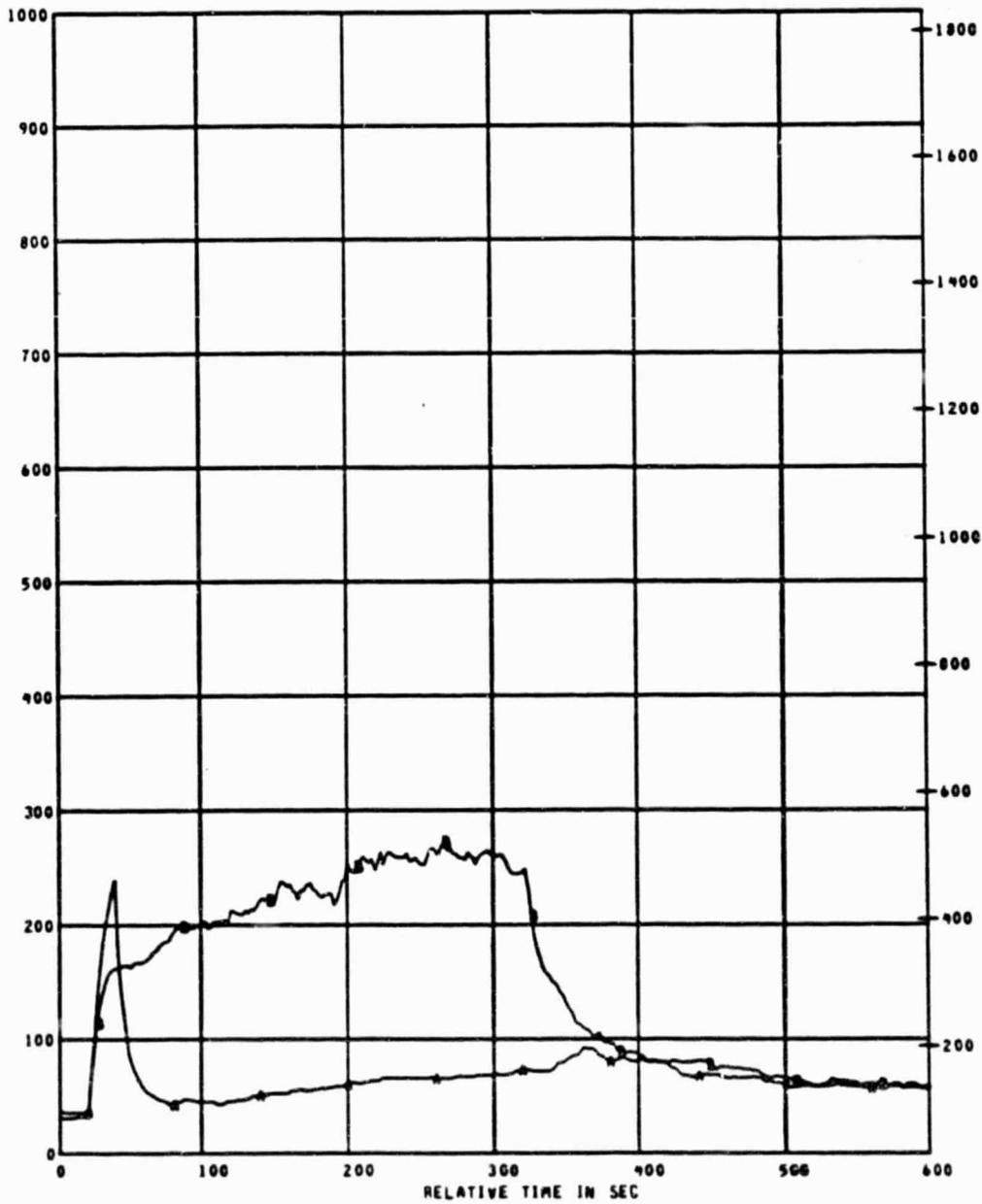
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 00 01.000



MEAS. NUMBER CHANNEL ASGN.  
# TBC1 113  
# TBC2 114

TITLE  
TEMP-BACK CENTER BOTTOM  
TEMP-BACK CENTER MIDDLE

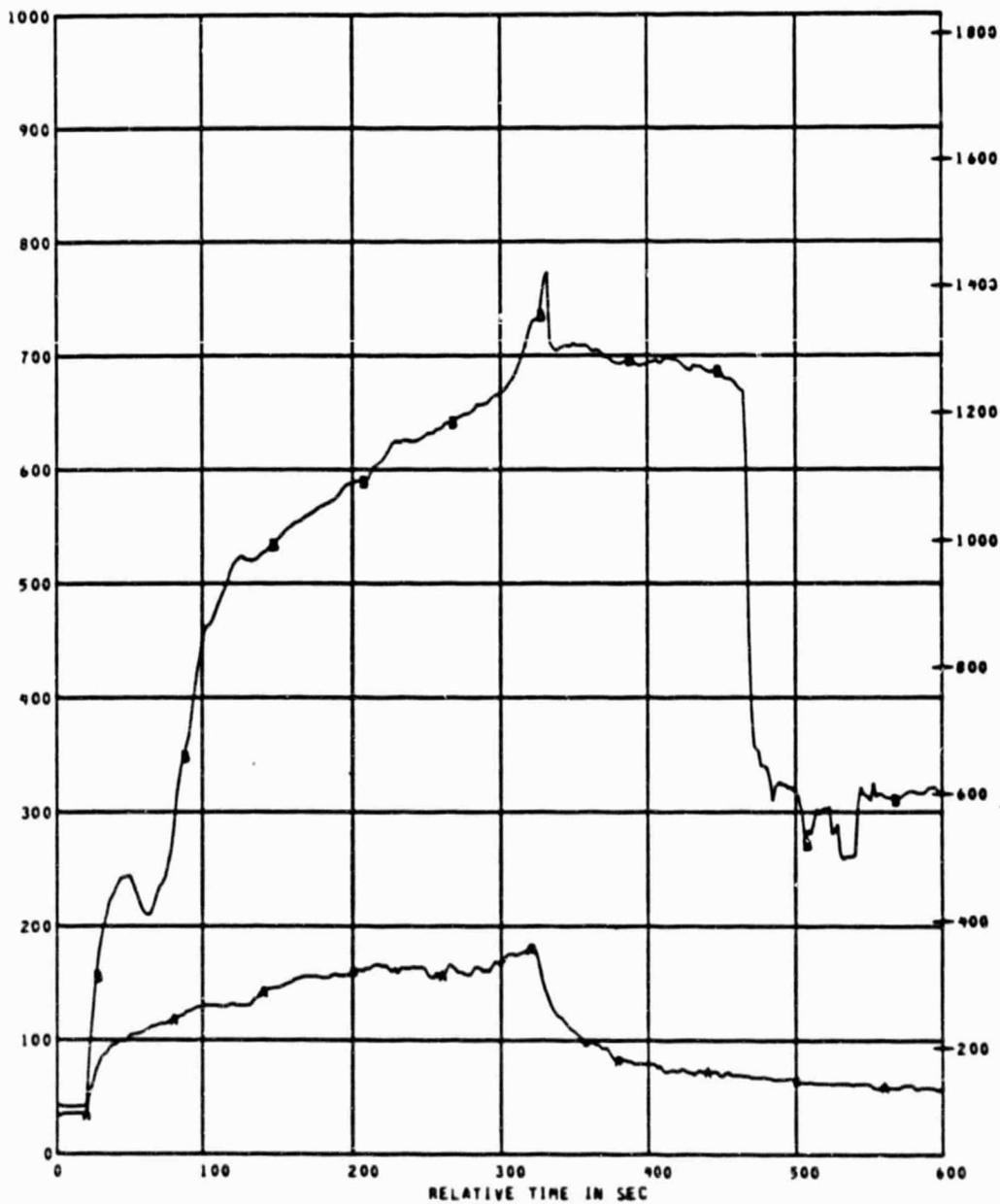
RANGE  
0 TO 1600  
0 TO 1600

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NAS46

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 00 01.000



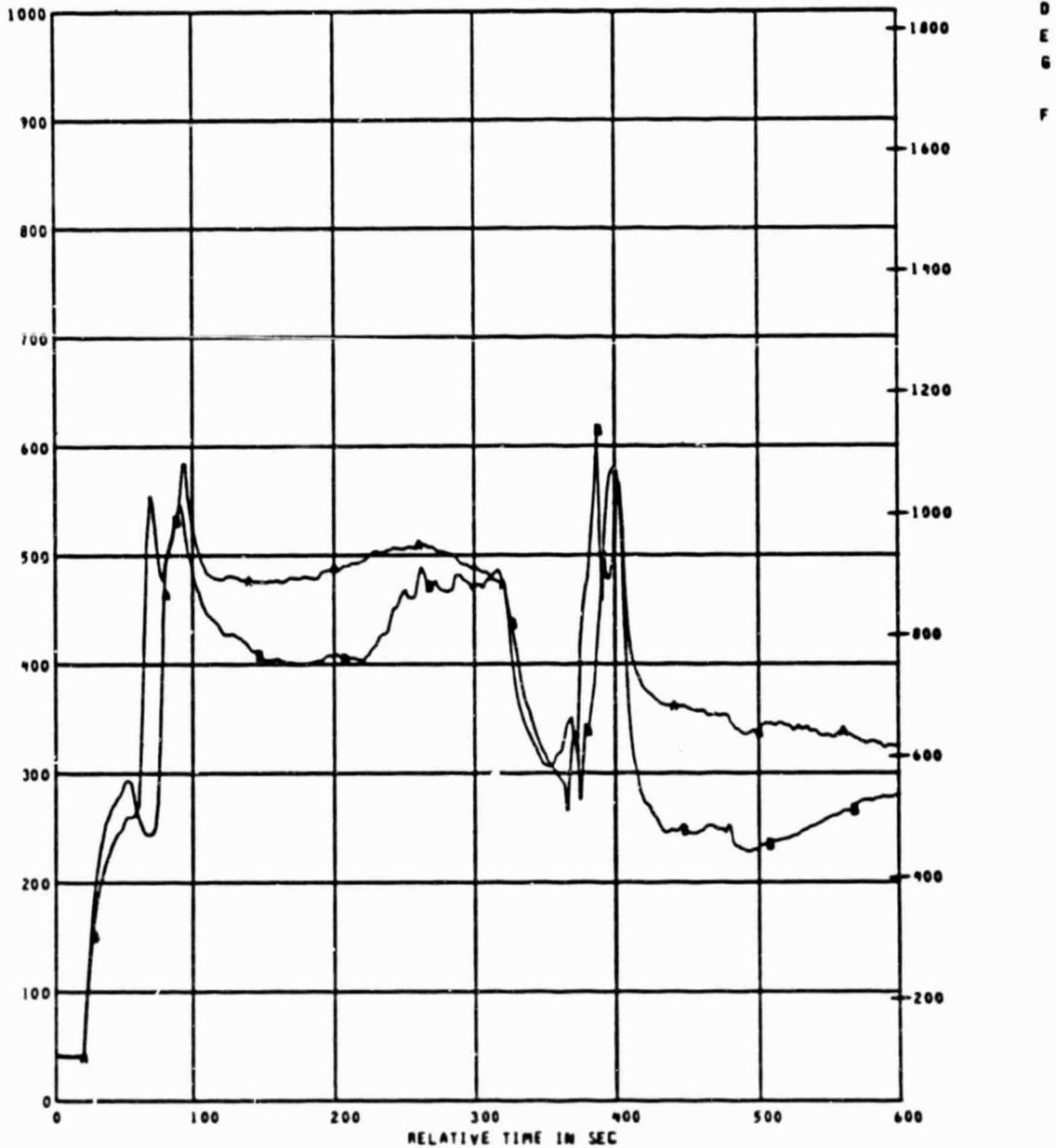
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBRI	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 00 01.000

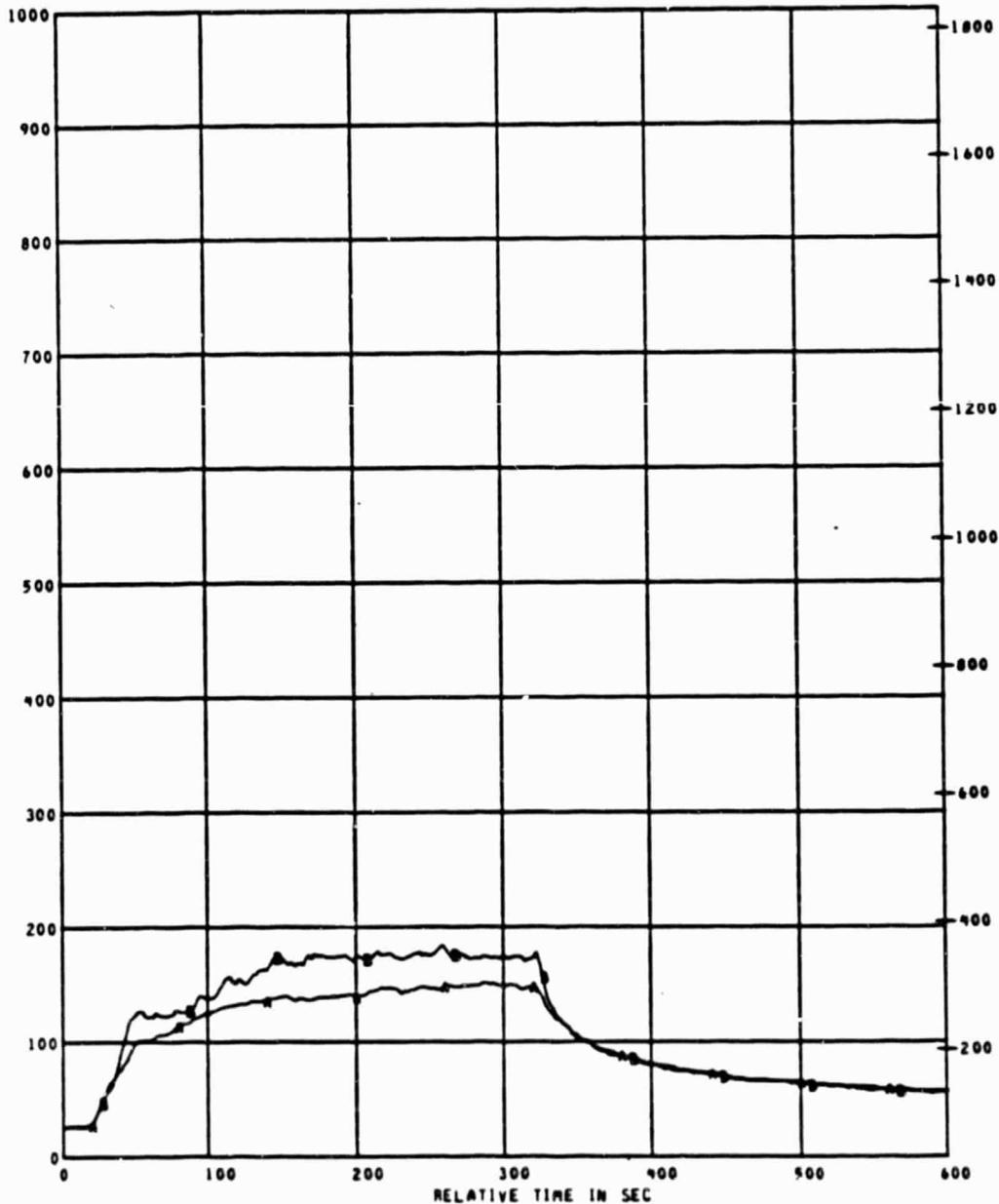


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 00 01.000



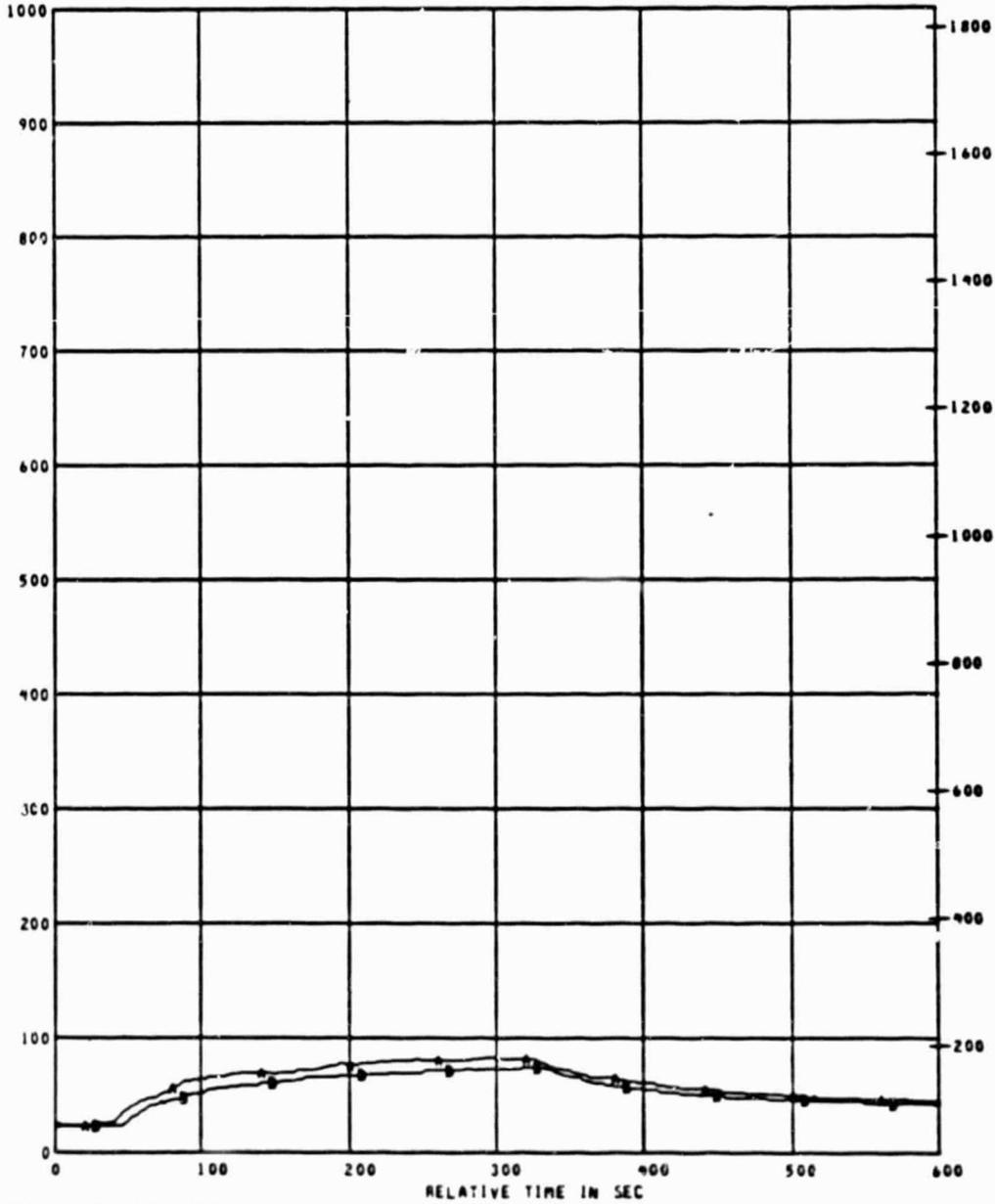
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
6 TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
6 TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 00 01.000



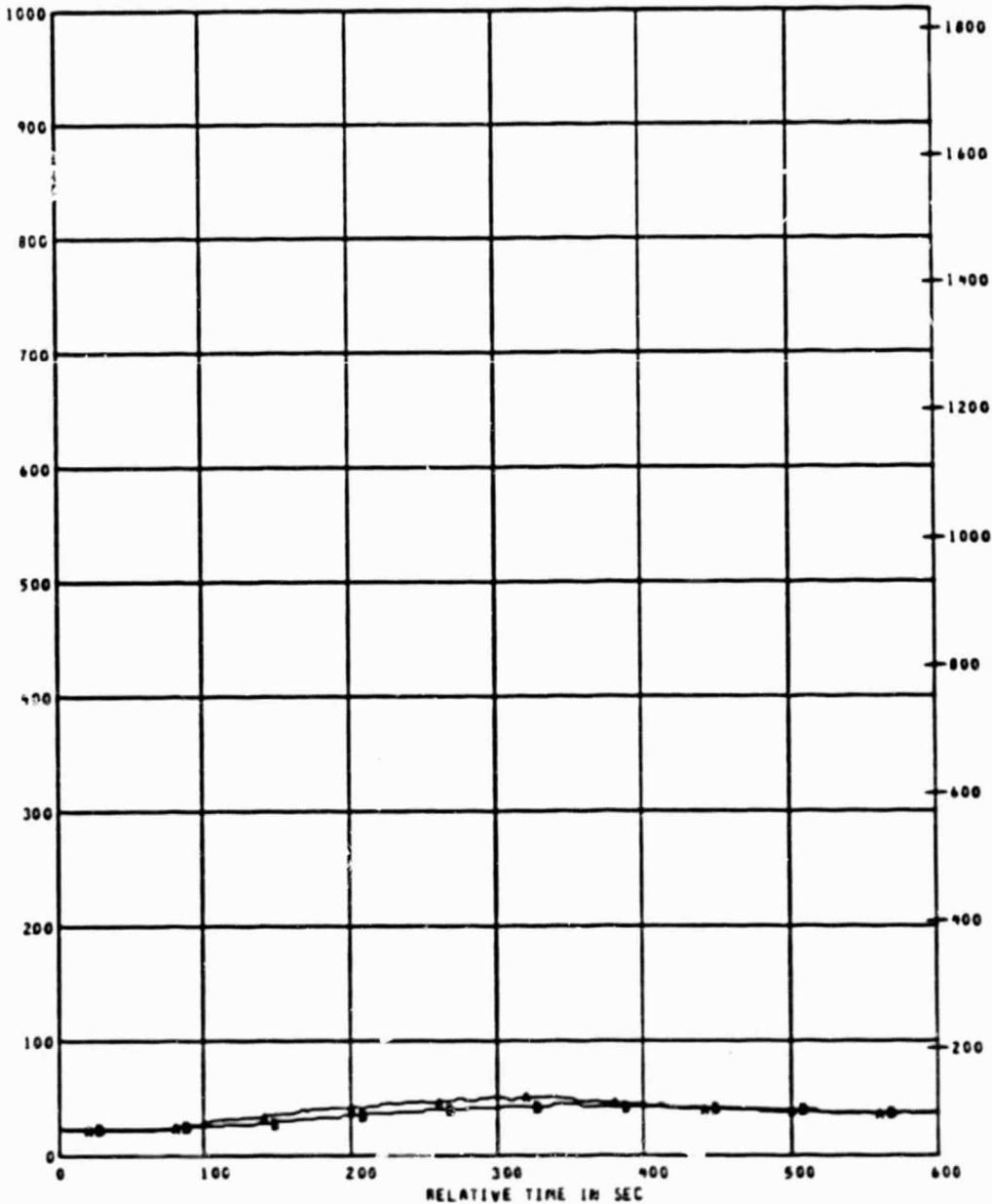
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
• TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1960 PLOT NO 18 - 1

REFERENCE TIME 10 00 01.000

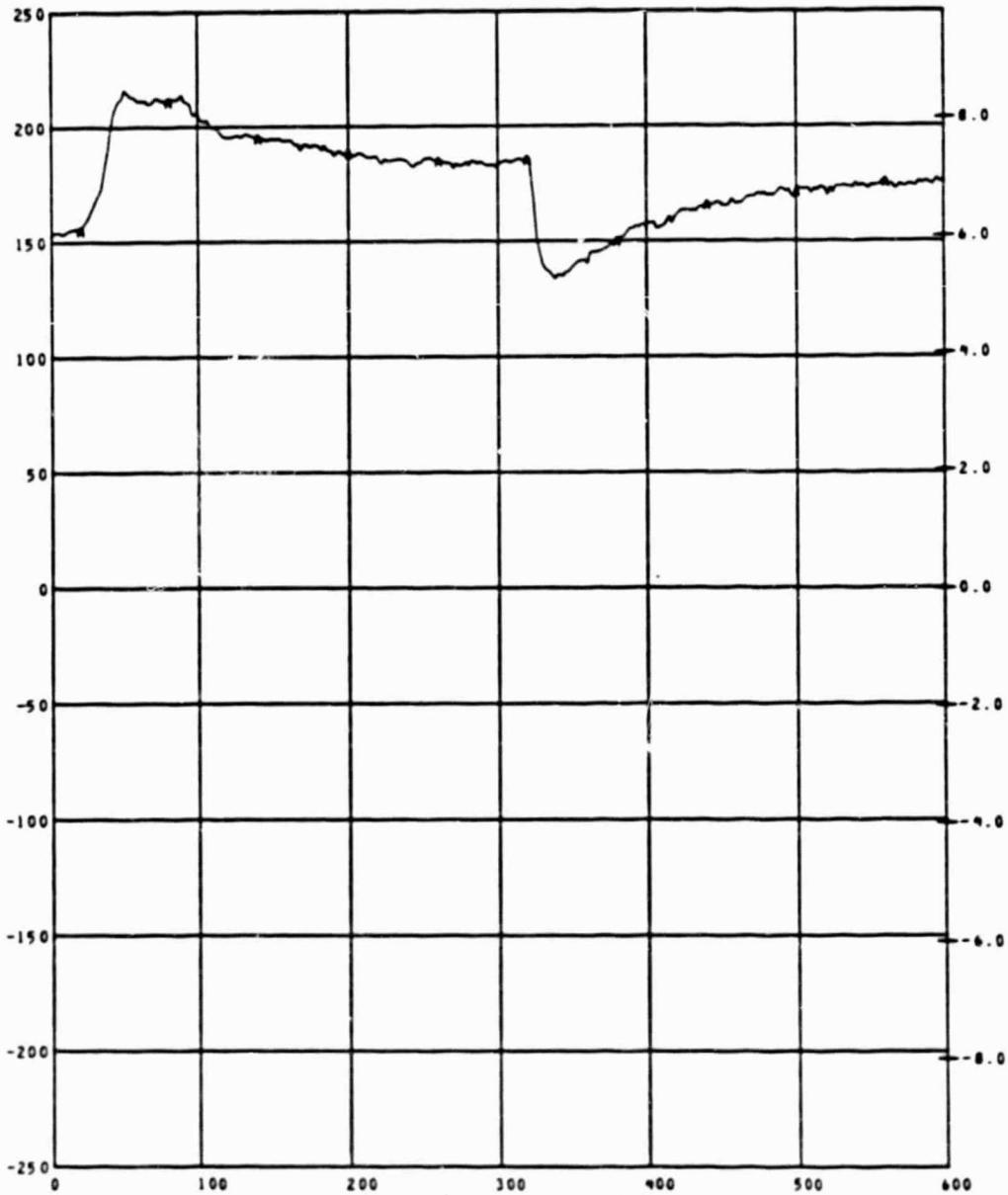


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TRC	123	TEMP-AIR IN CAGE	0 TO 1000	DEG C	AA
2 TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT 1ST-OCT 1990 PLOT NO 19 - 1

REFERENCE TIME 10 00 01.000



I  
M  
2  
0

MEAS. NUMBER  
4 DPC

CHANNEL ASGN.  
098

RELATIVE TIME IN SEC  
TITLE  
CABIN DELTA PRESSURE

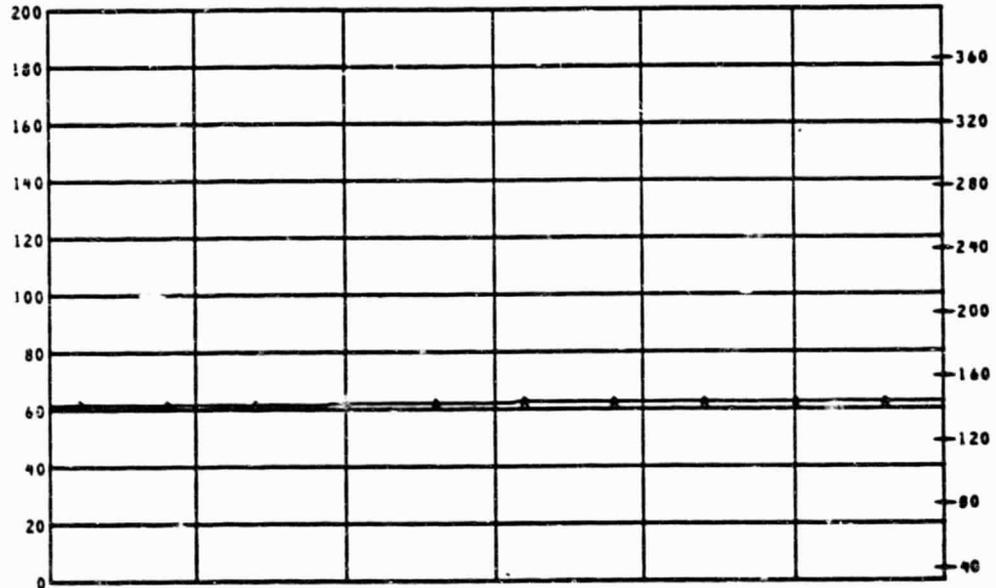
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H20 AA

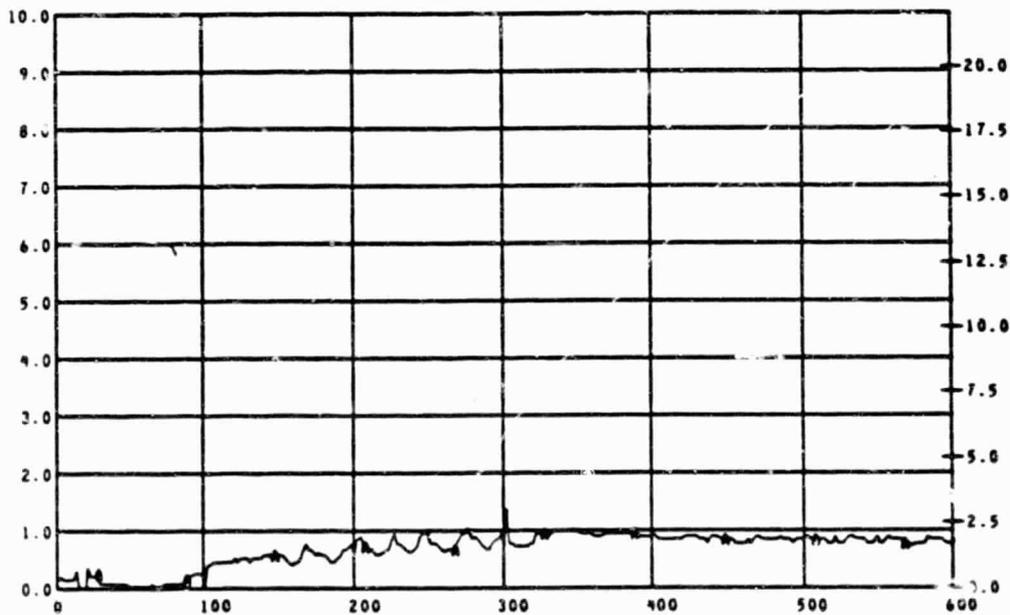
TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 00 01.000



D  
E  
G  
F



L  
B  
S

MEAS. NUMBER  
6 TLC  
6 ML

CHANNEL ASGM.  
125  
149

TITLE  
TEMP-LOAD CELL  
WEIGHT LOSS

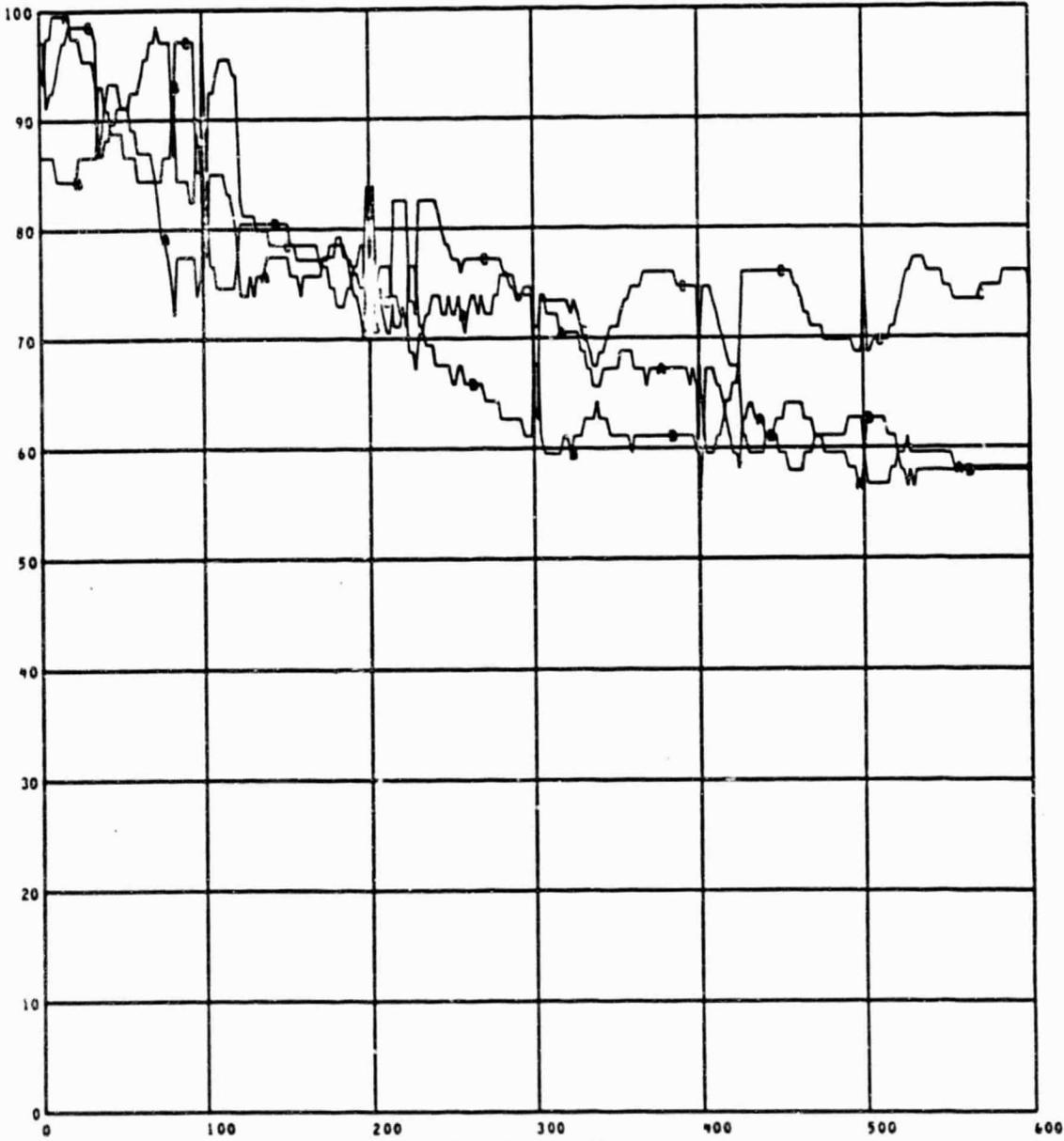
RANGE  
0 TO 200  
0.0 TO 10.0

UNITS GRID-SYM  
DEG C AA  
KG BA

TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 13 17 58.000

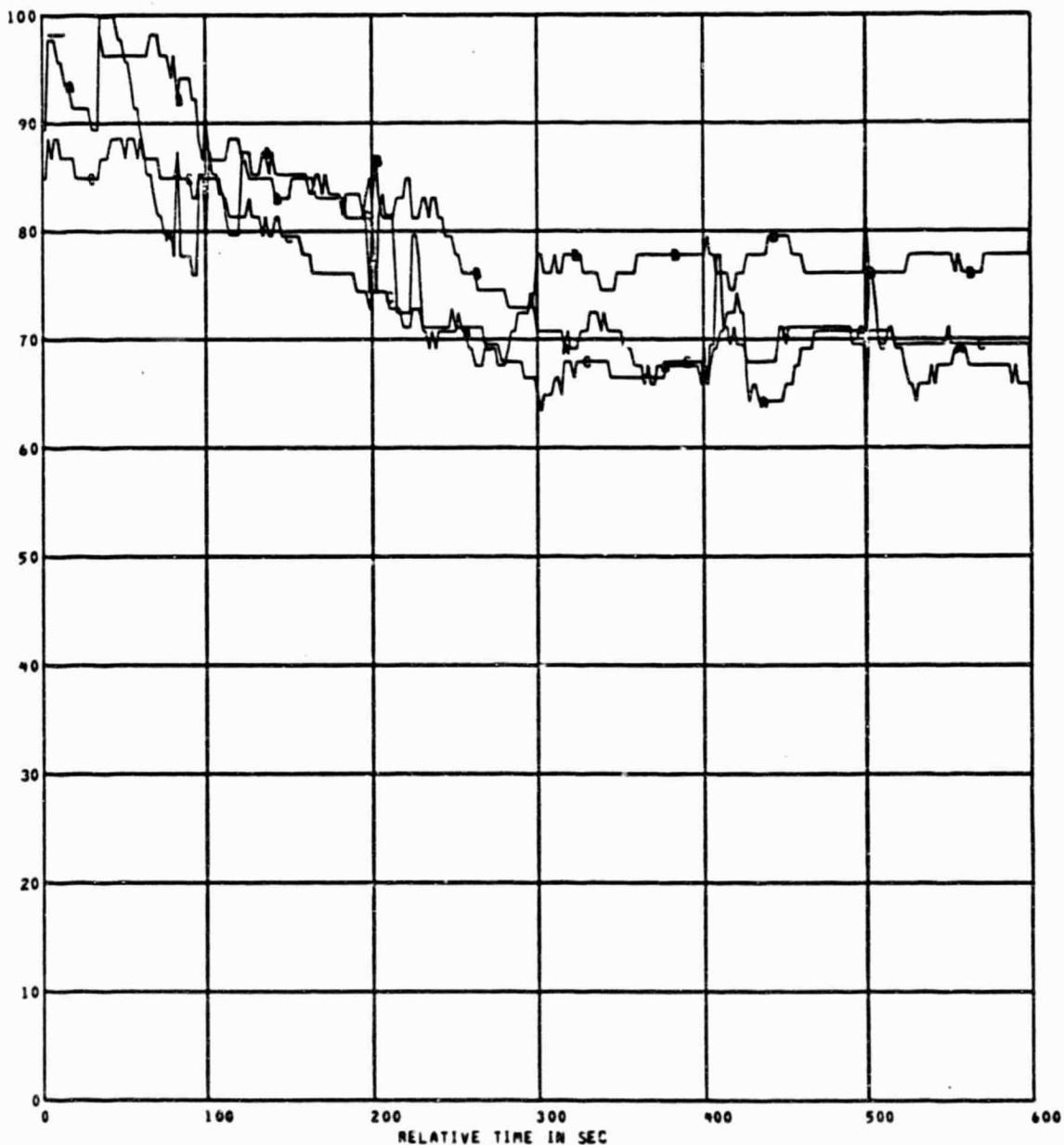


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA7

SEAT YST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 13 17 50.000

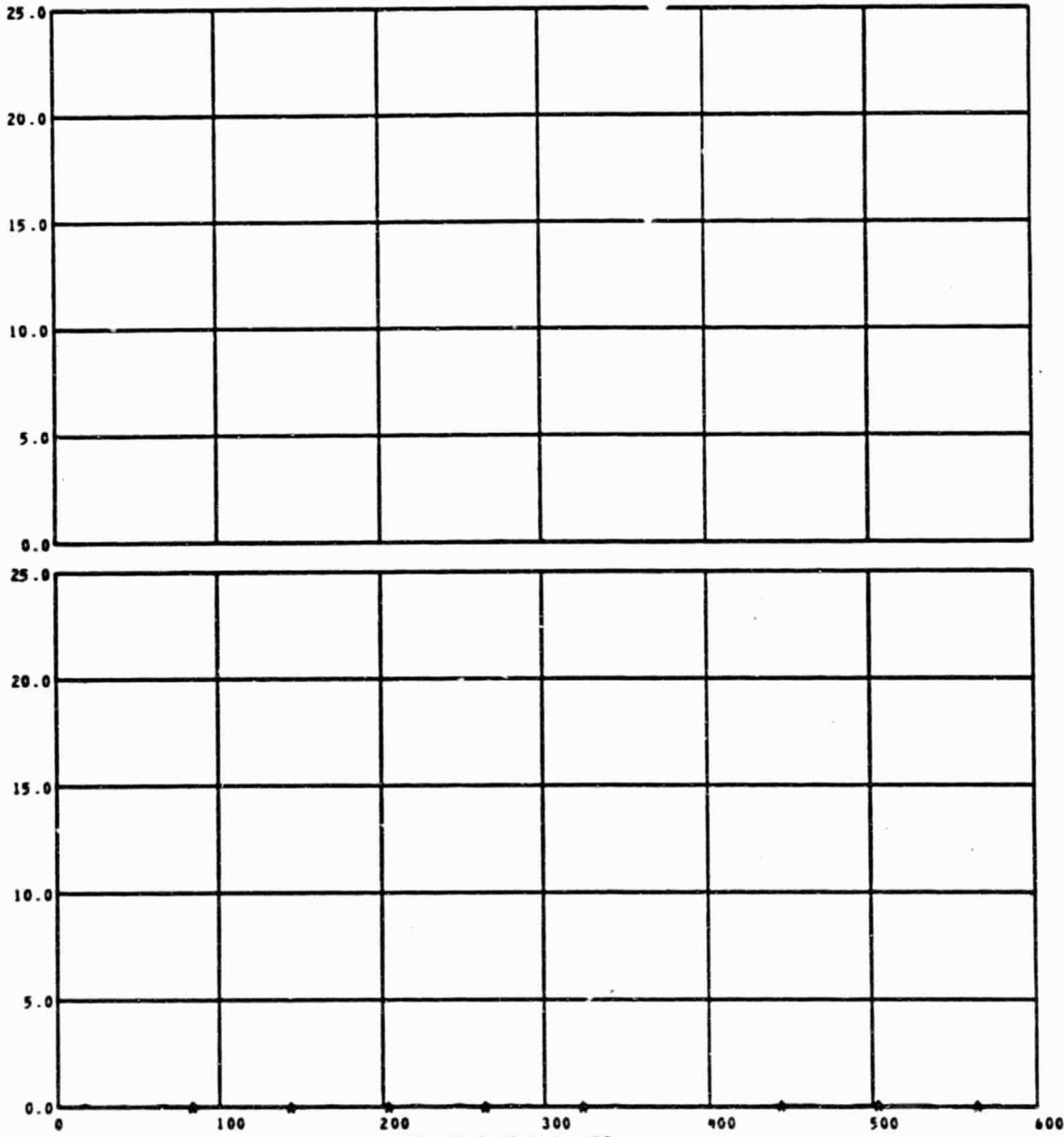


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 13 17 58.000

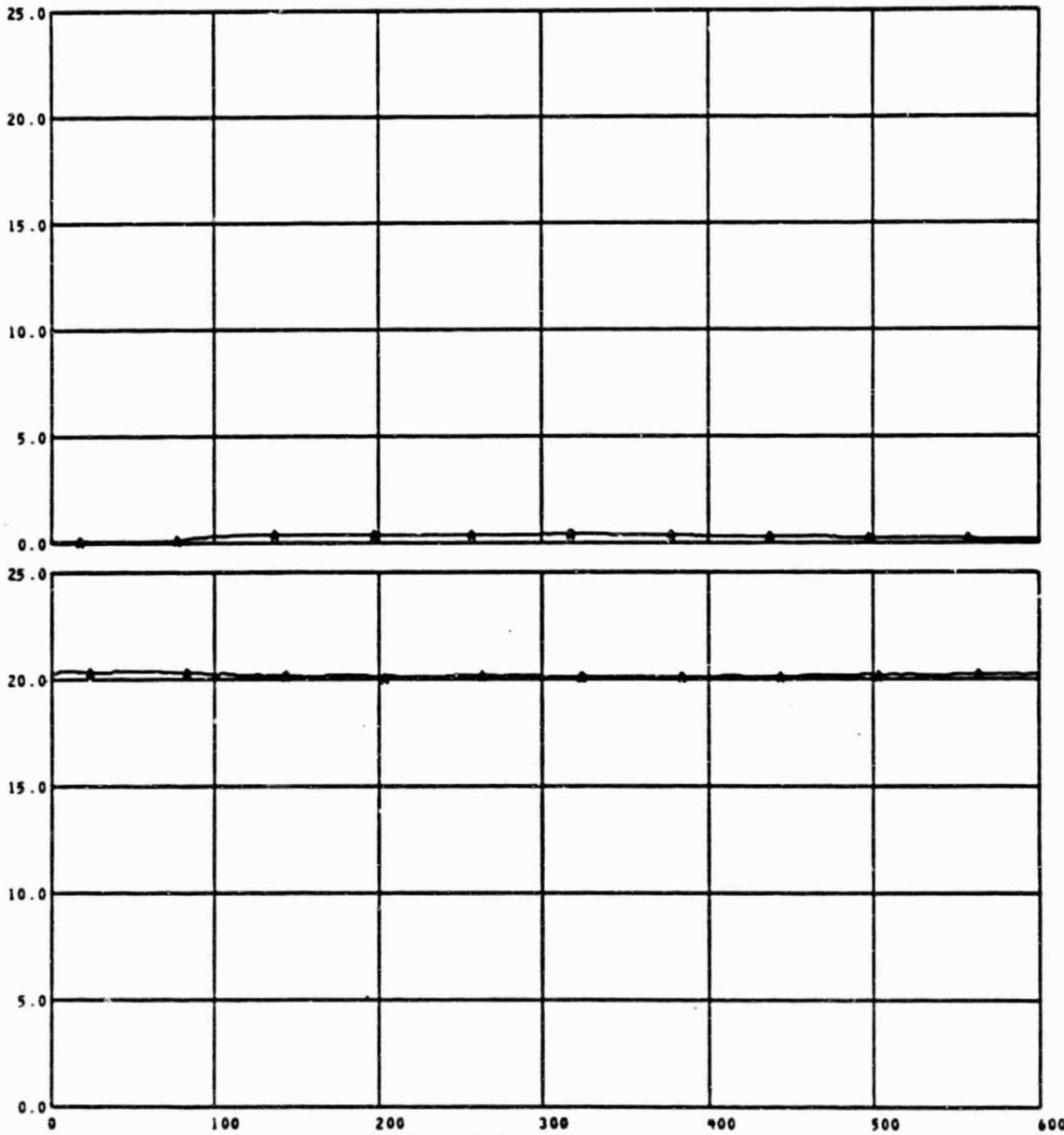


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CNIE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 17 58.000

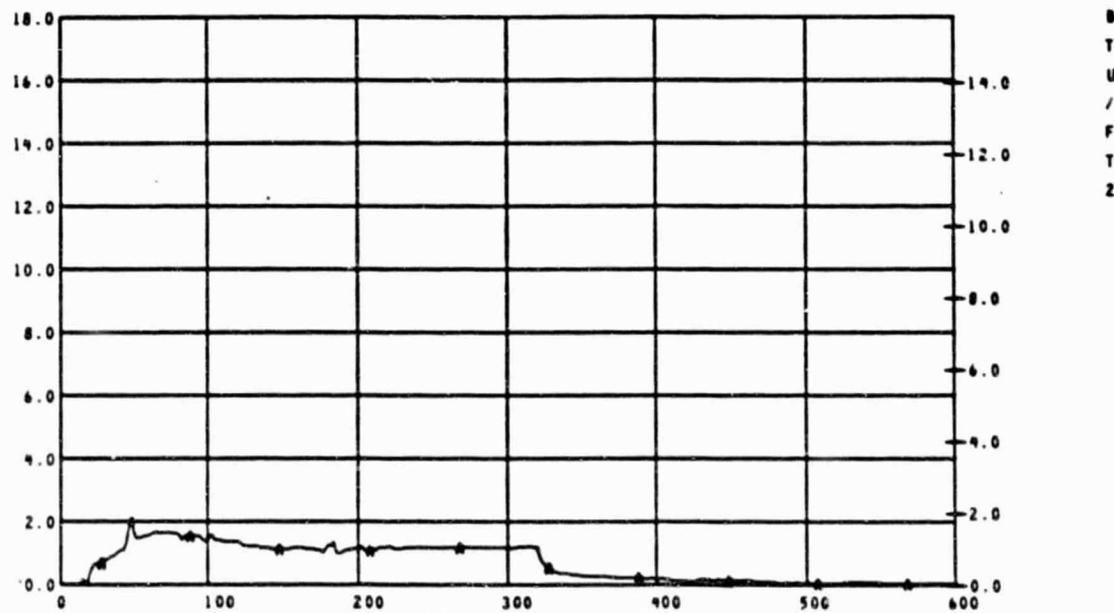
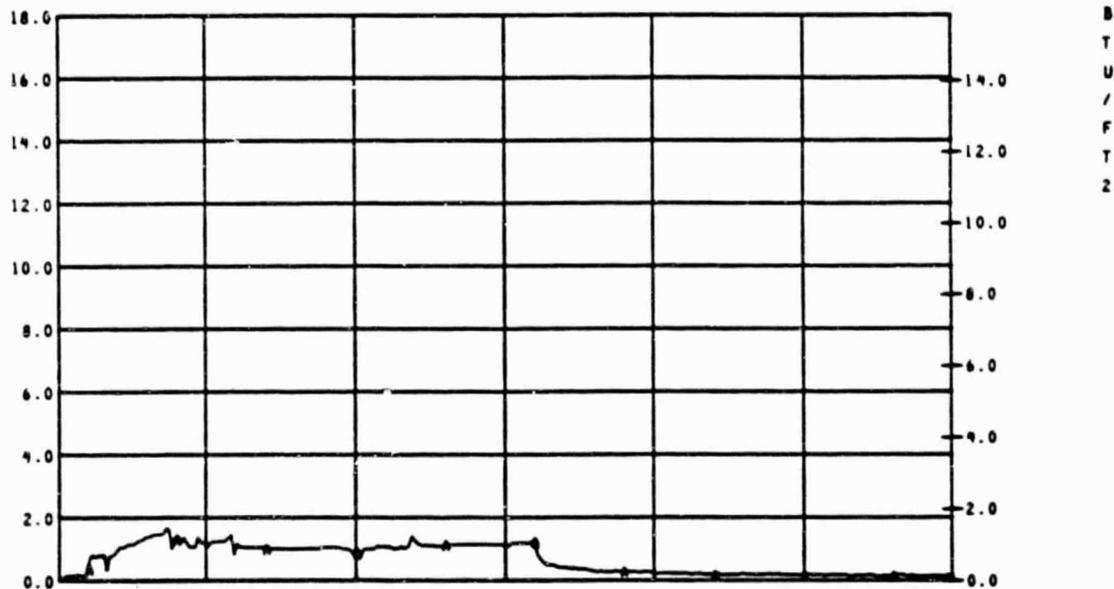


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OZYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 17 58.000

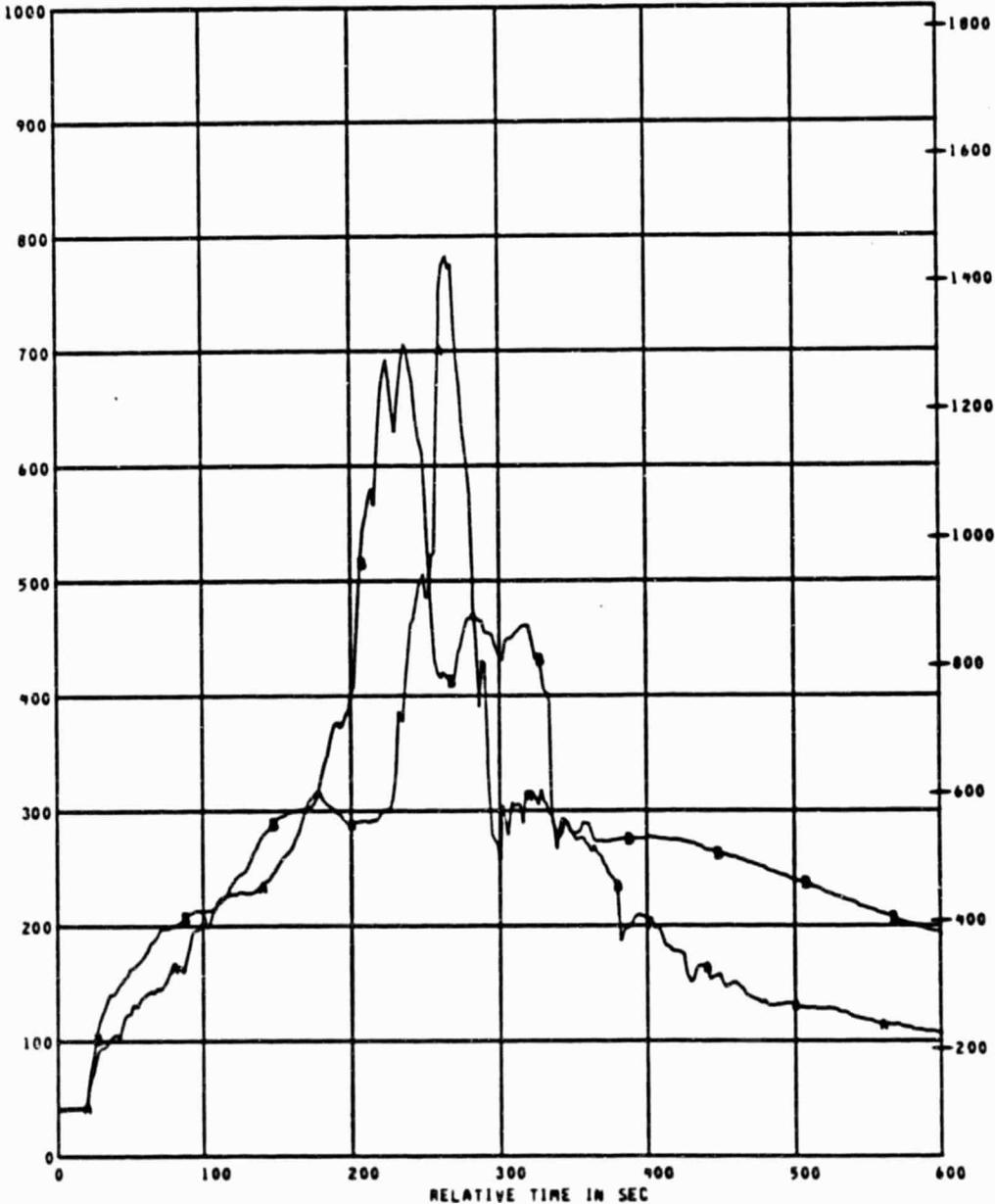


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS7

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 13 17 58.000

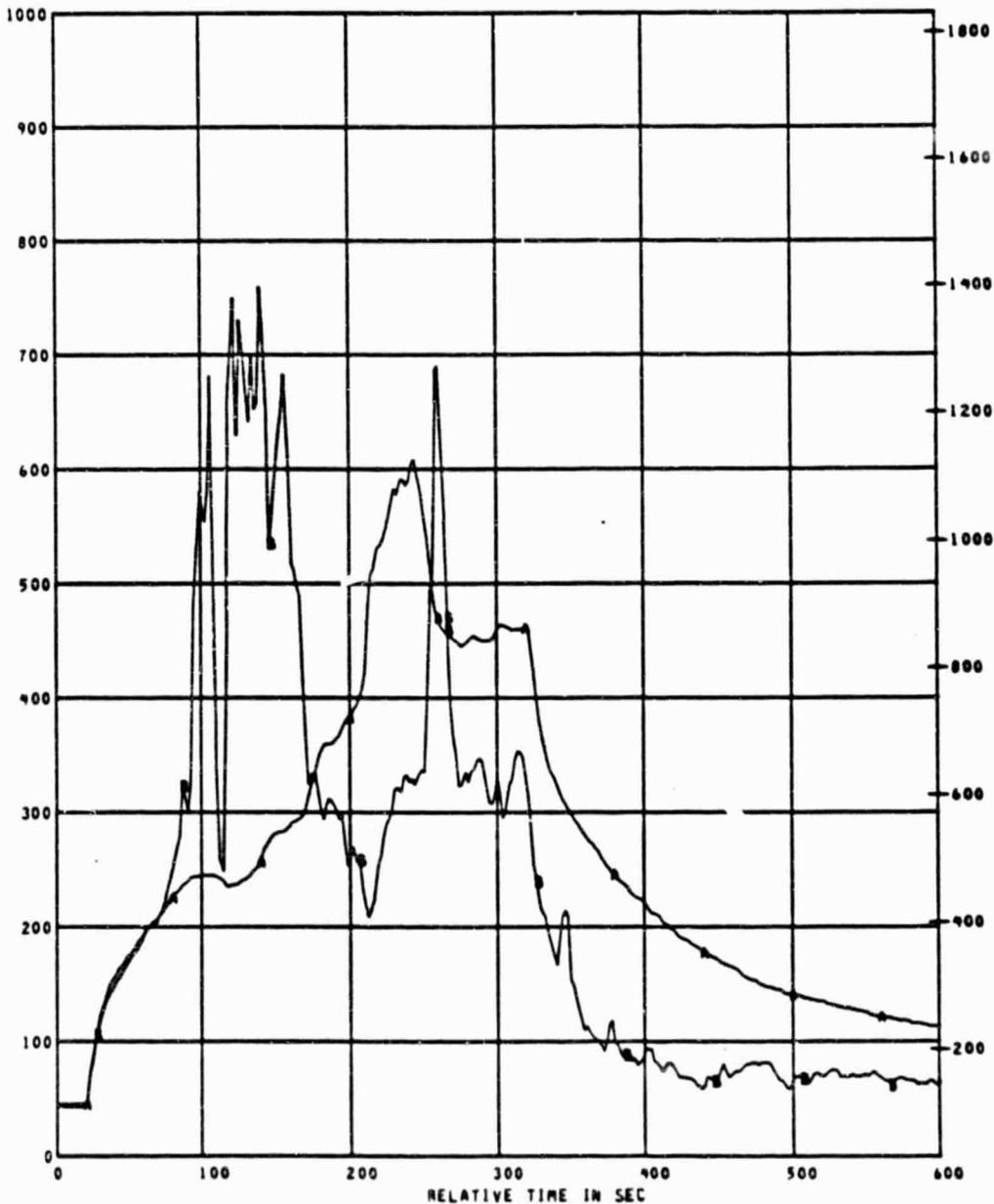


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
6 TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
6 TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT T51-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 13 17 58.000



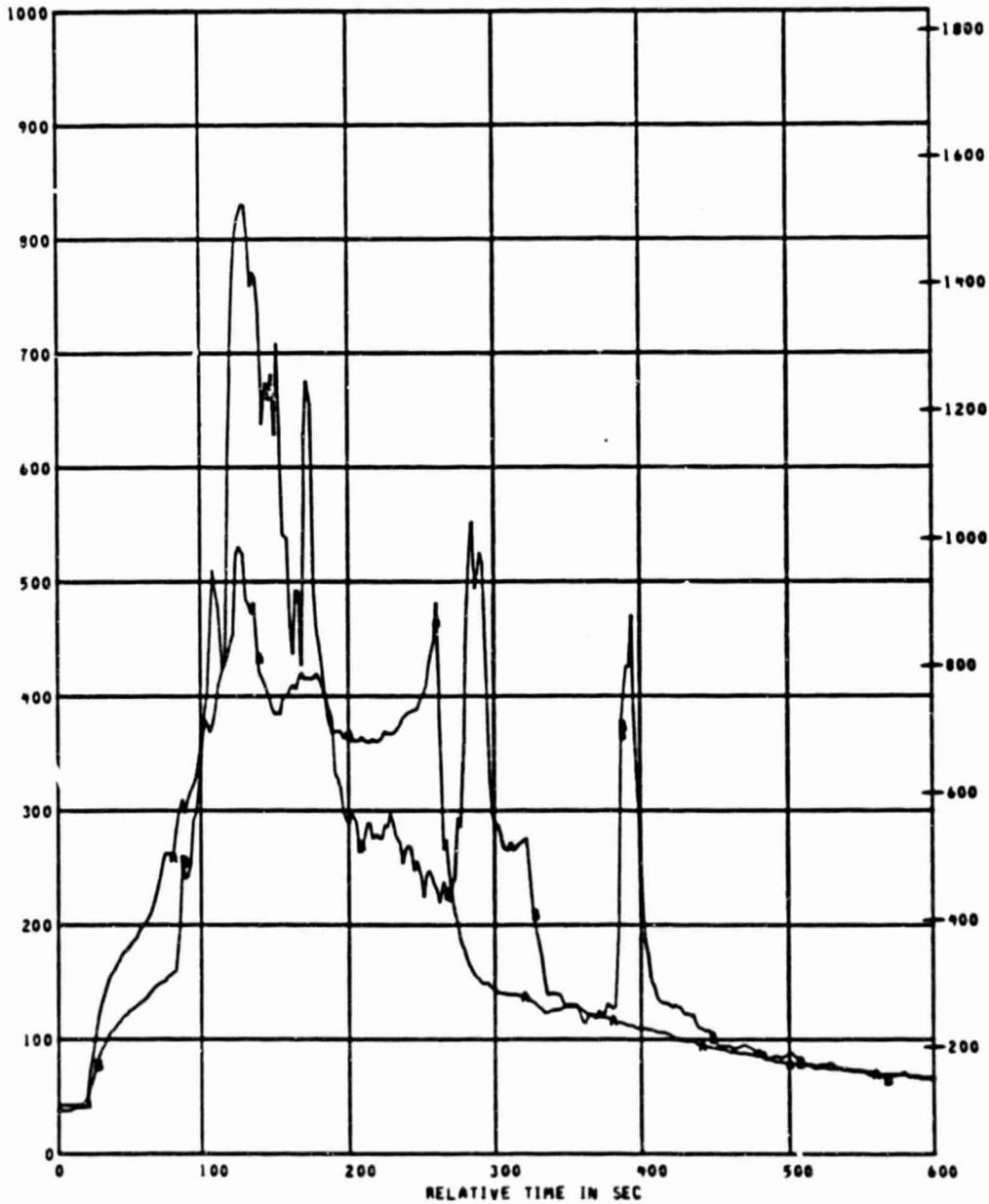
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
4 TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 13 17 58.000



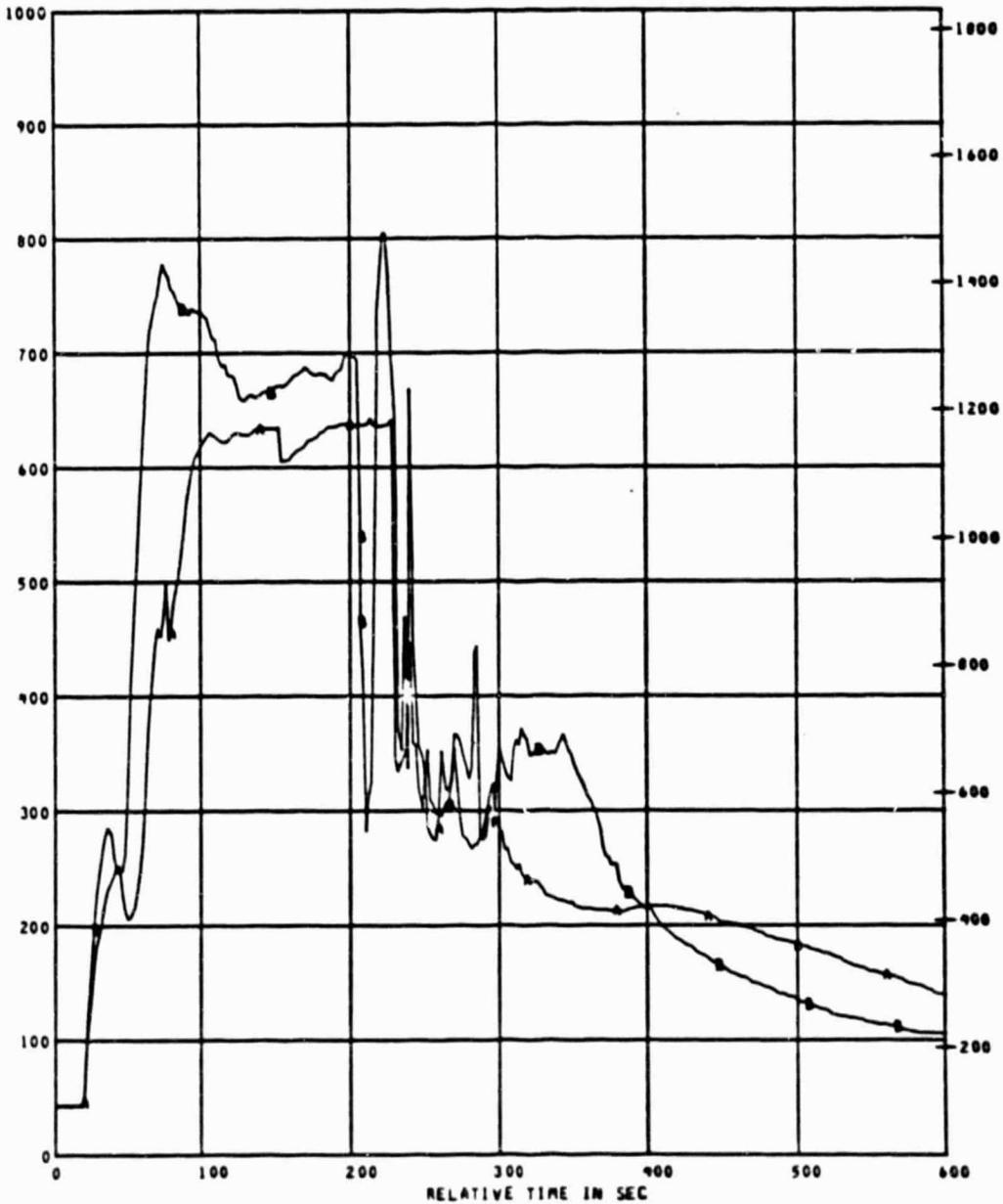
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
• TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS7

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 17 58.000



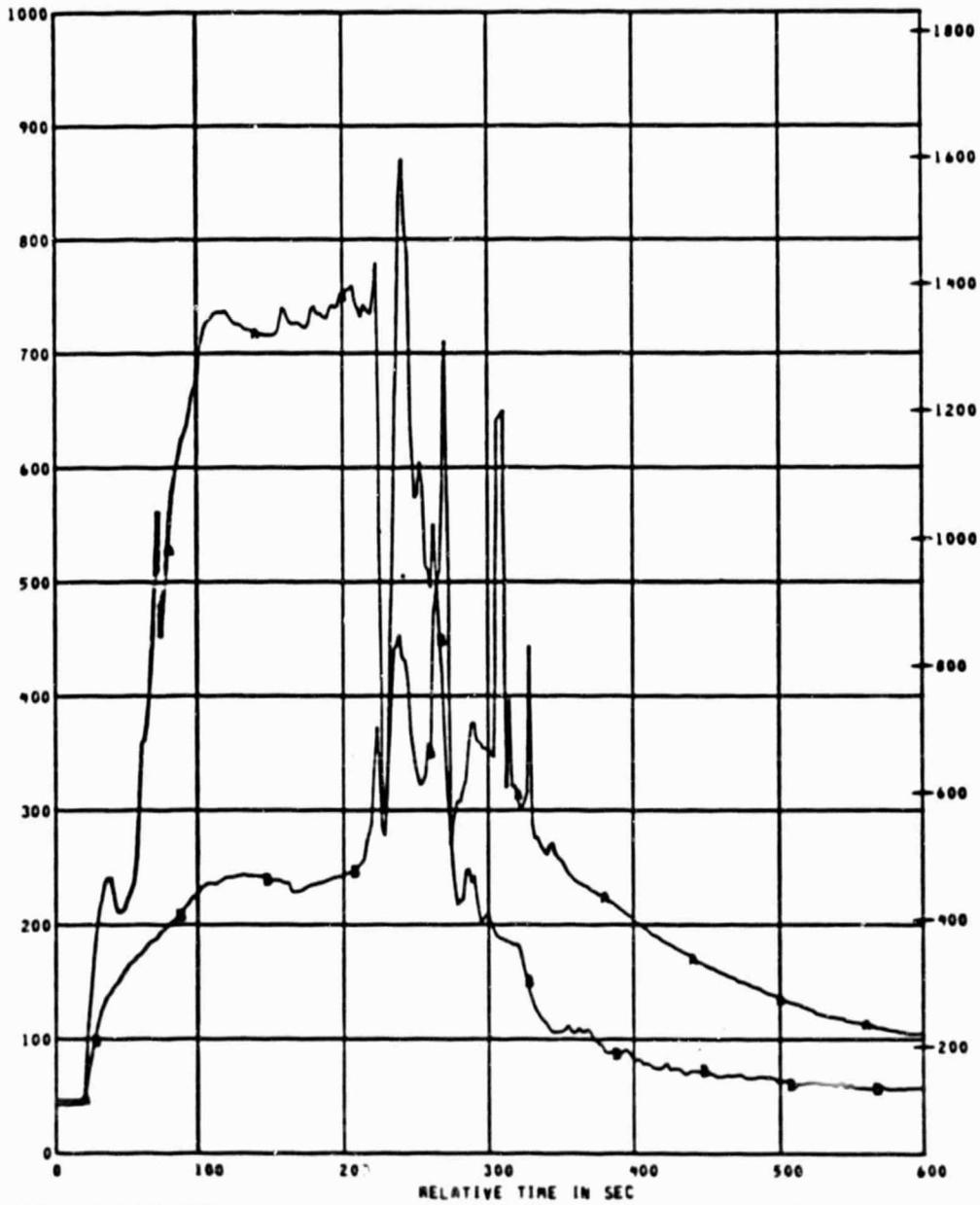
D  
E  
C  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 13 17 58.000

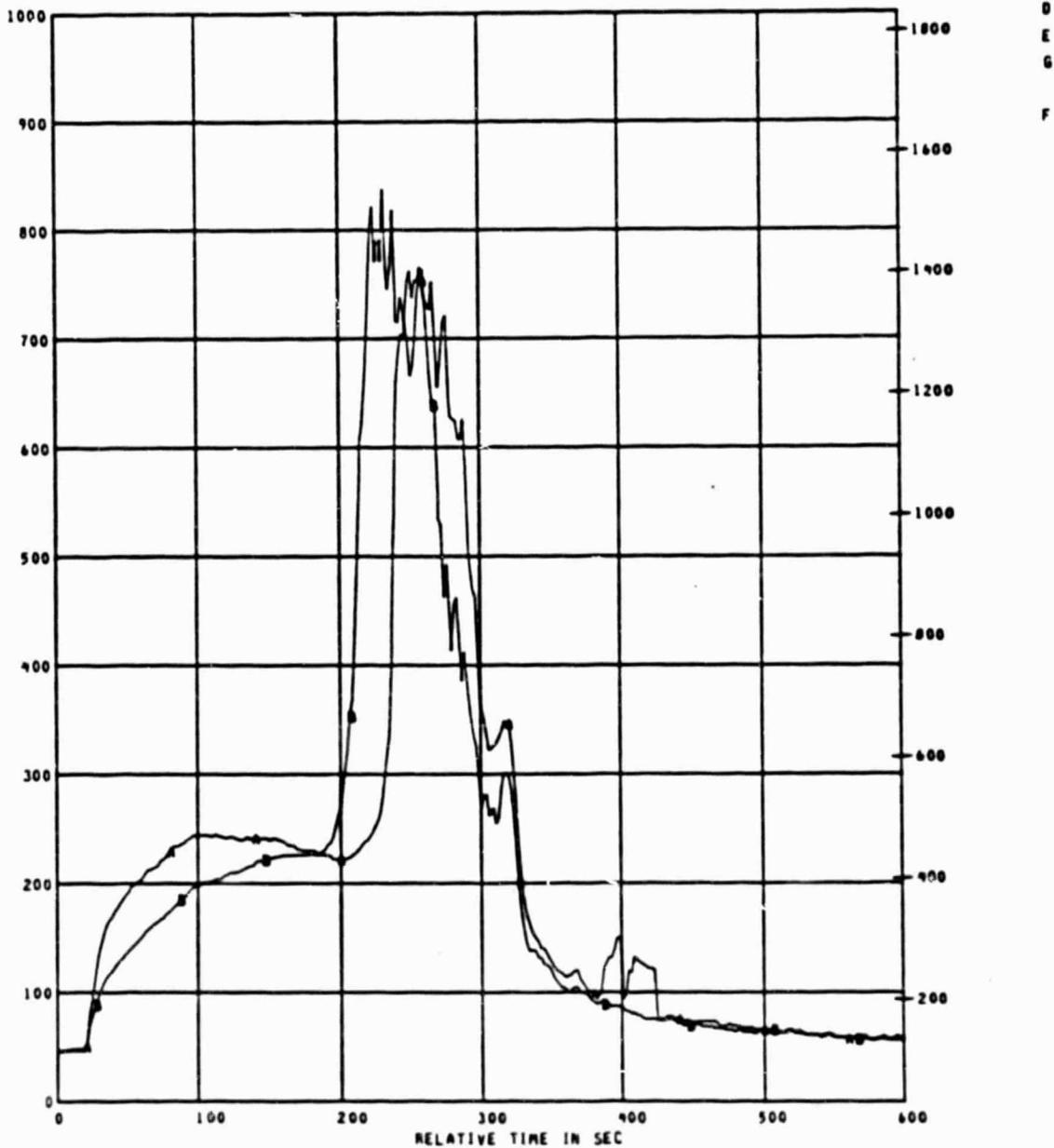


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 17 58.000

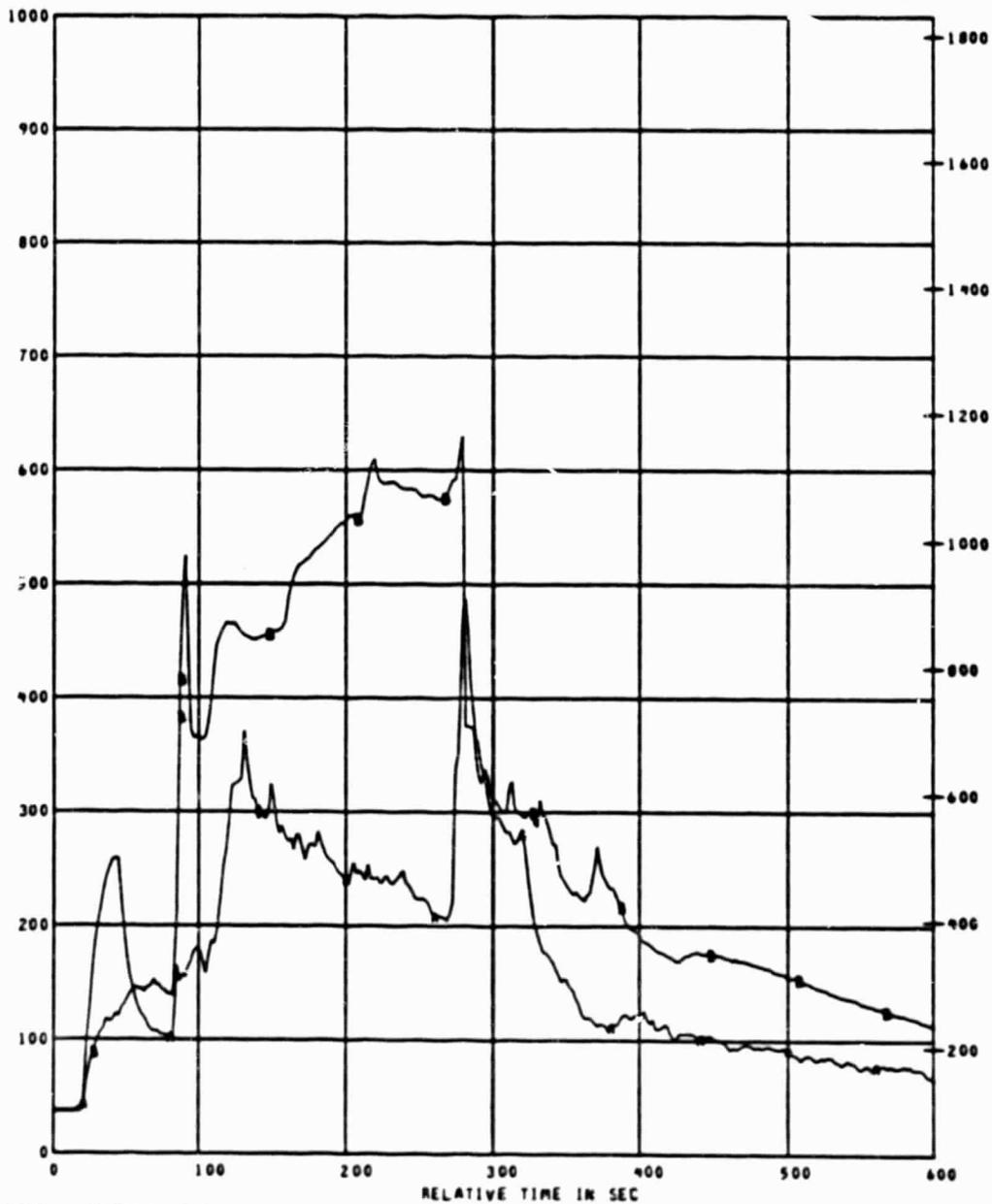


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 13 17 58.000



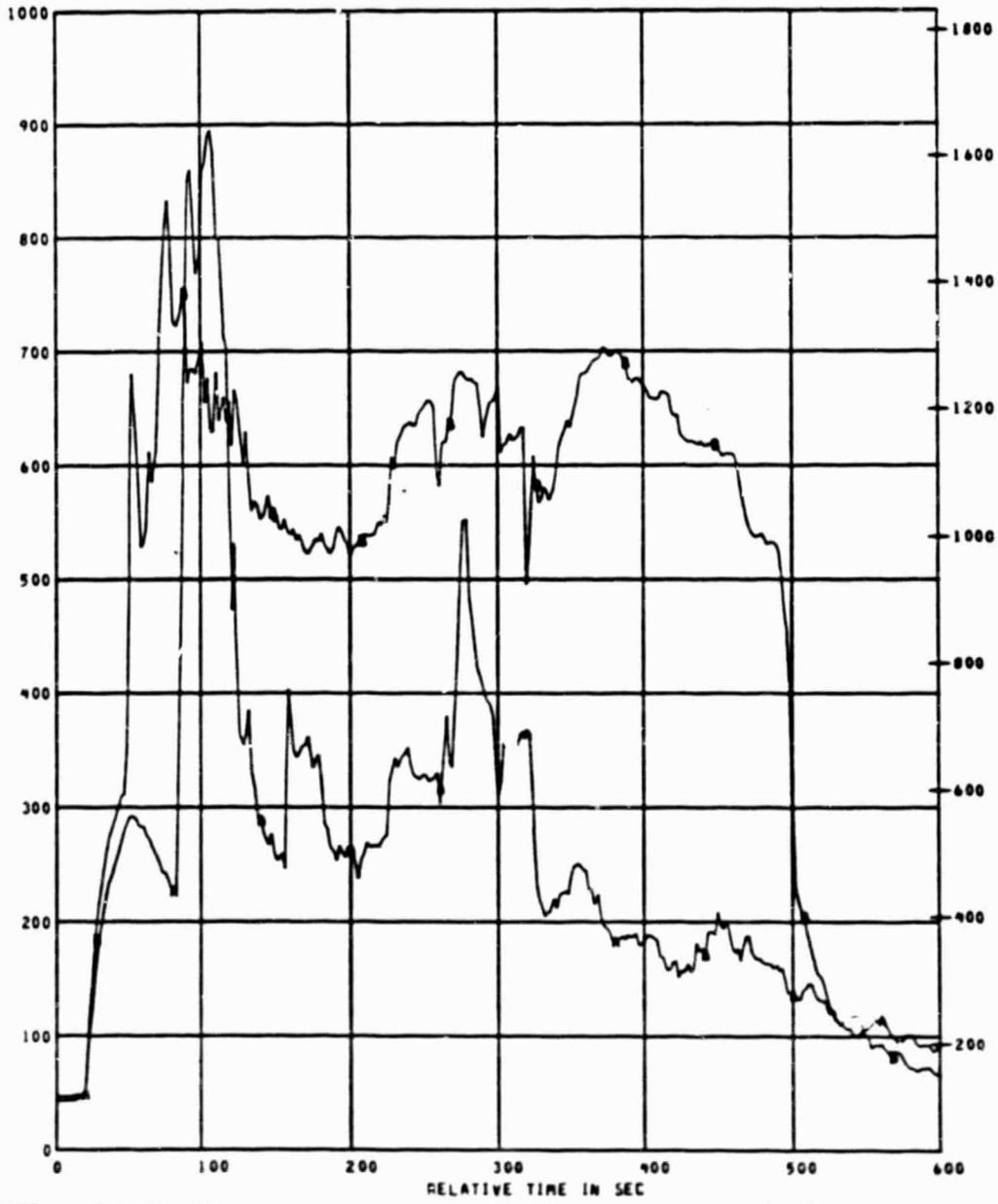
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
• TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 13 17 58.000



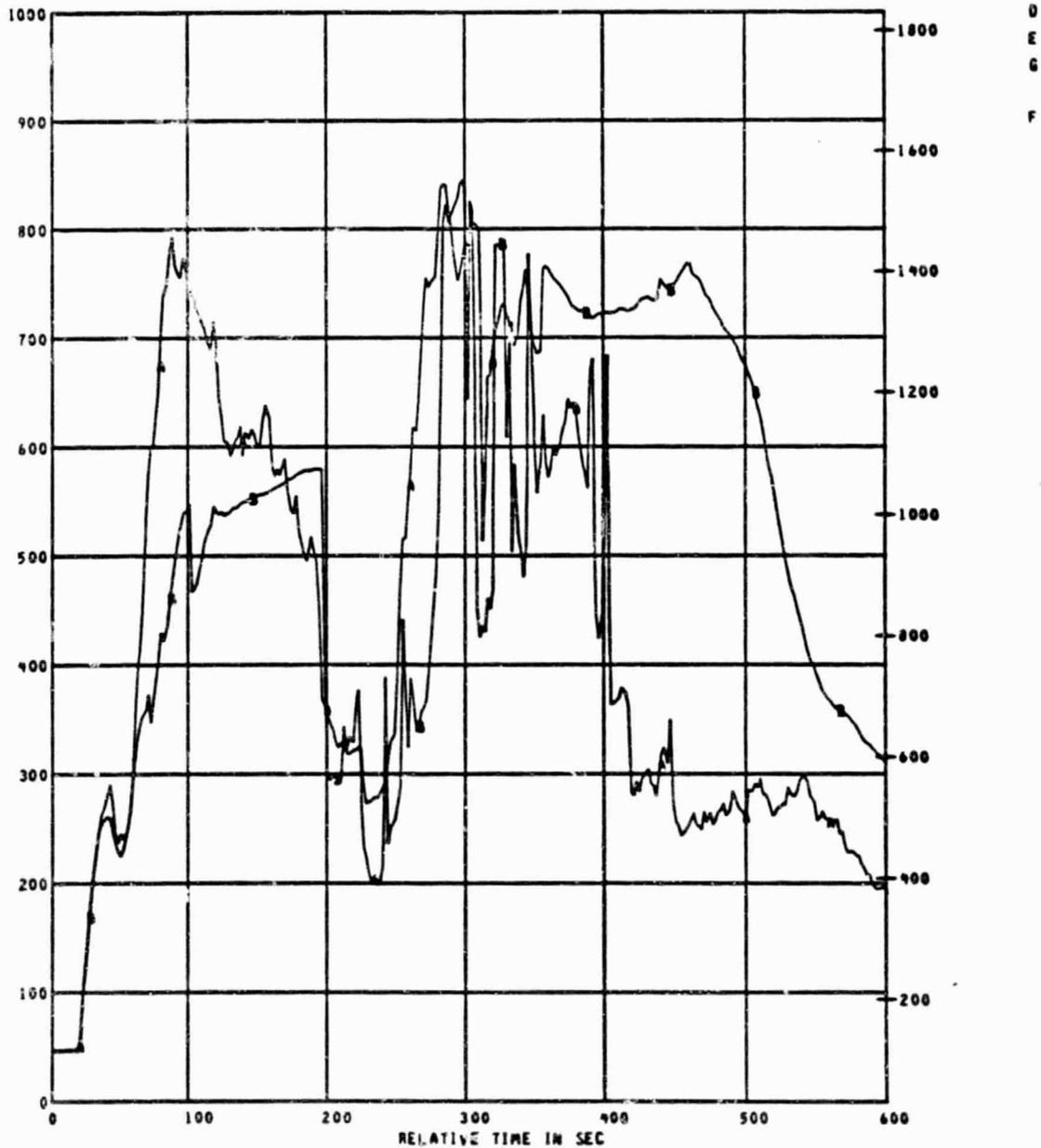
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 13 17 58.000

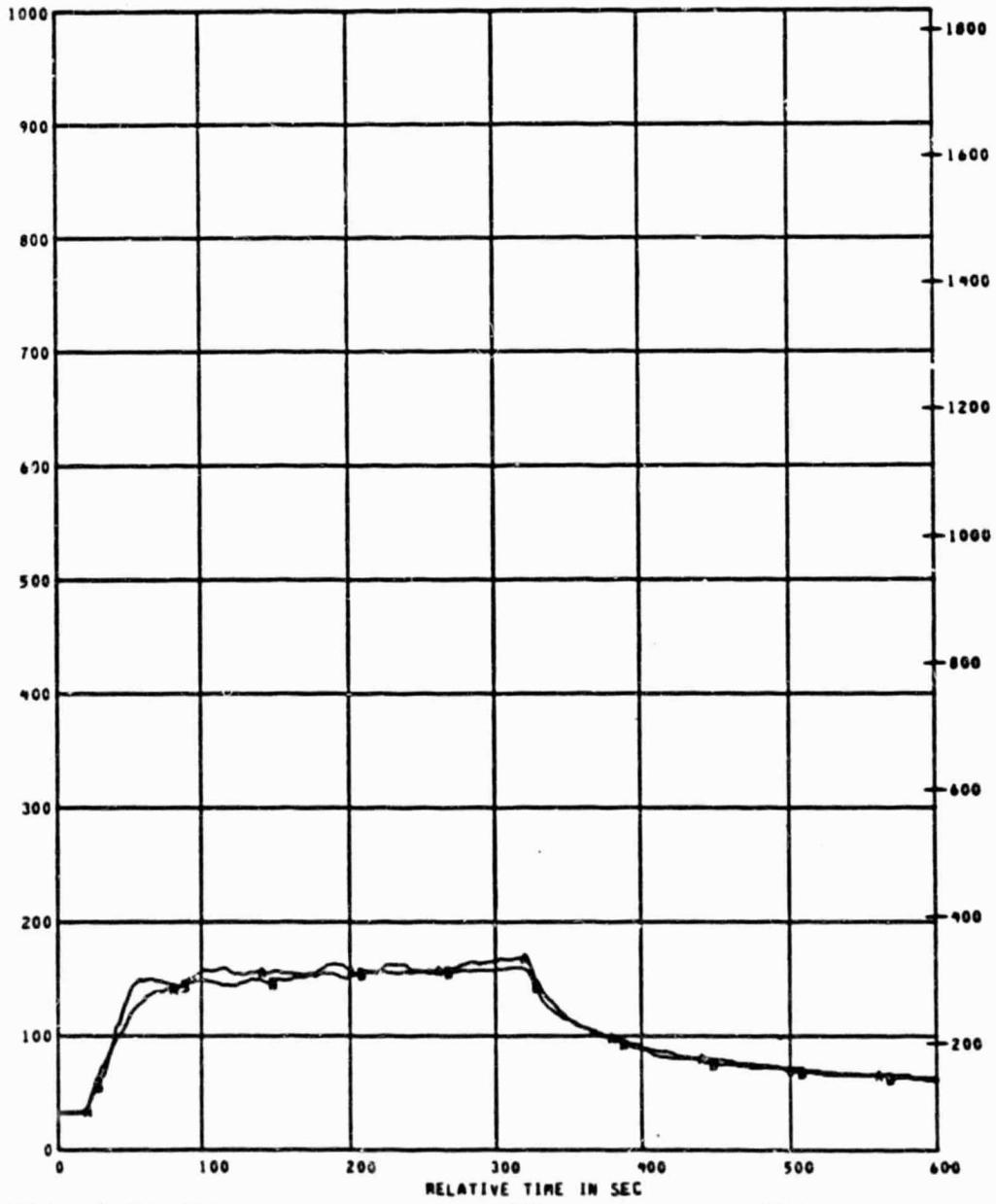


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 13 17 58.000



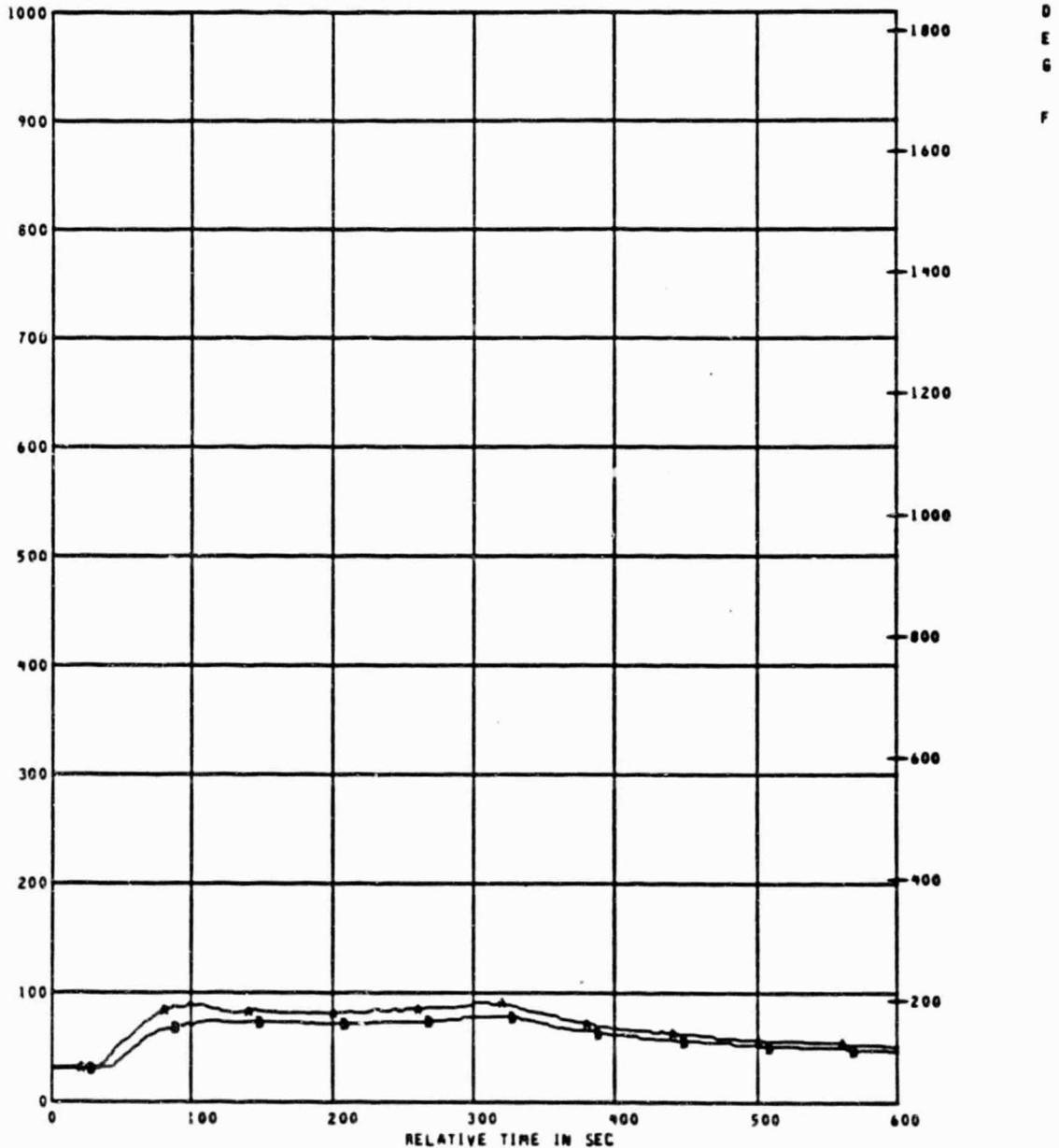
D  
K  
6  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
* TCR	126	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1986 PLOT NO 17 - 1

REFERENCE TIME 13 17 56.000

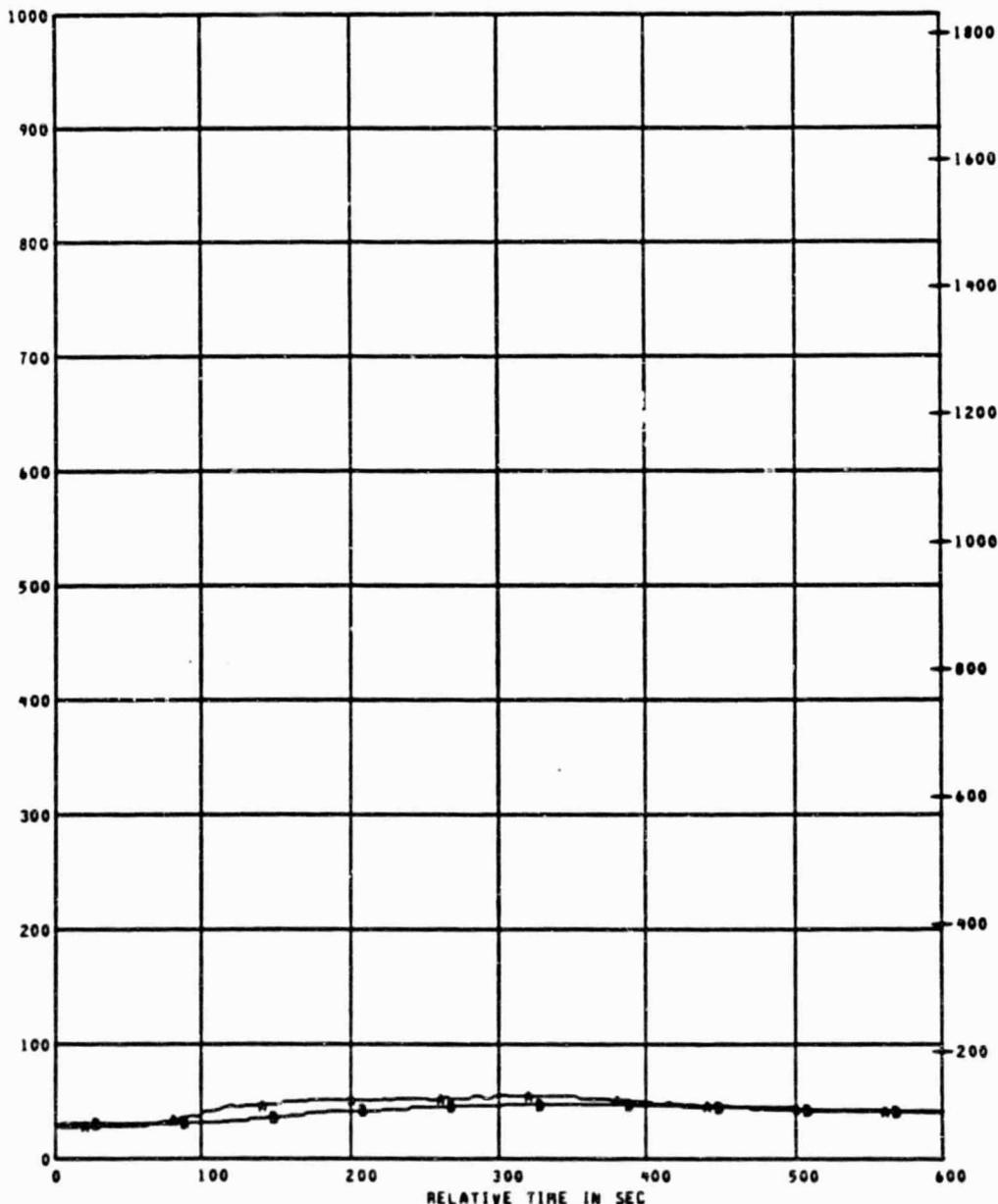


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
* TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 17 58.000



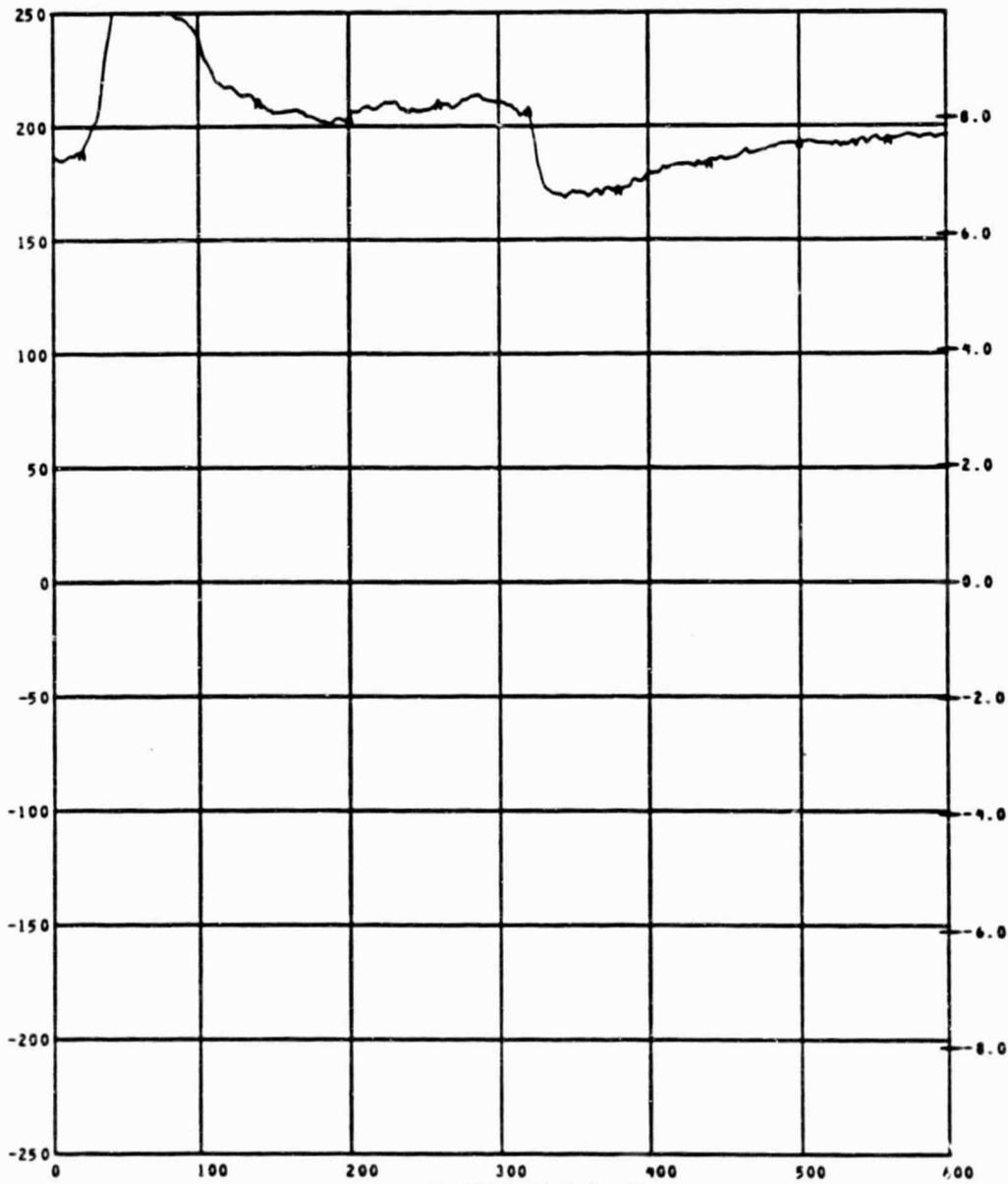
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
8 TAD	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 17 58.000



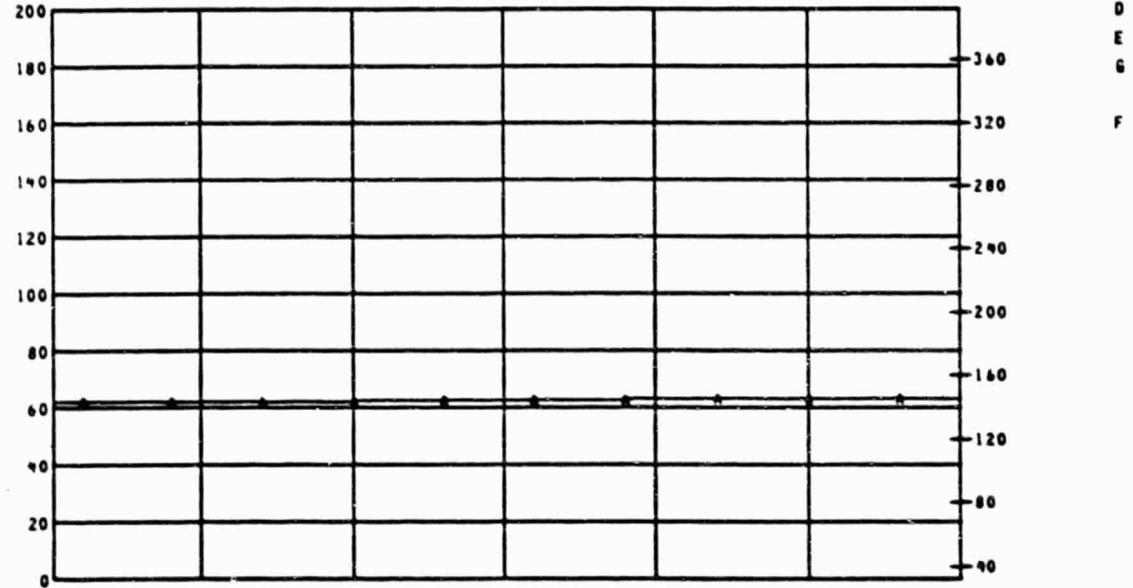
I  
N  
H  
2  
0

MEAS. NUMBER 4 DPC      CHANNEL ASGN. 098      TITLE CABIN DELTA PRESSURE      RANGE -250 TO 250      UNITS GRID-SYM MM H20 AA

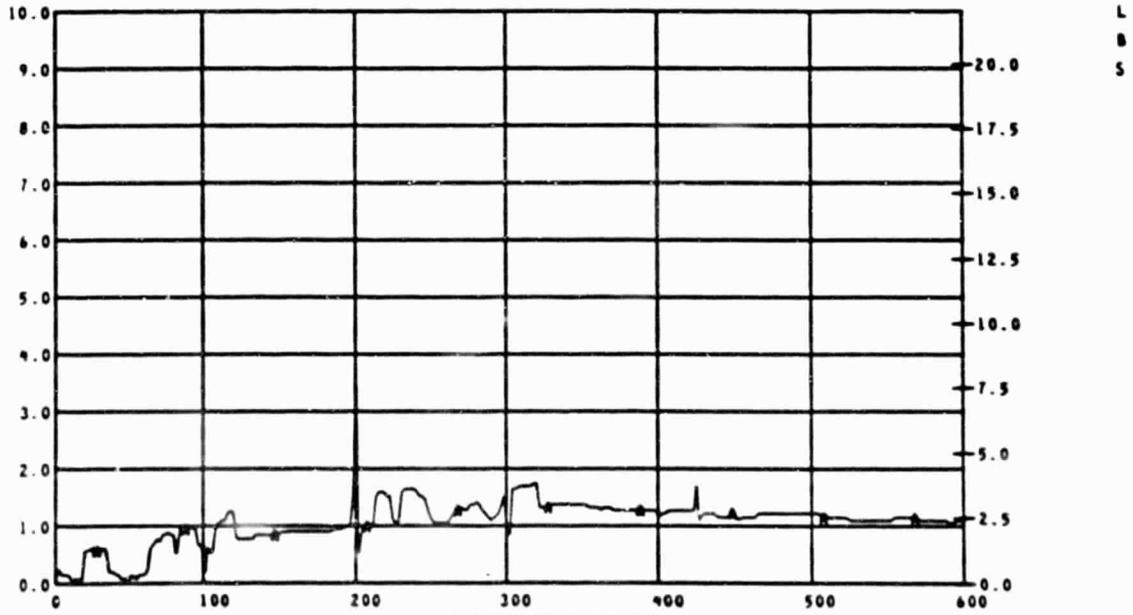
TEST ID NASAT

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 13 17 58.000



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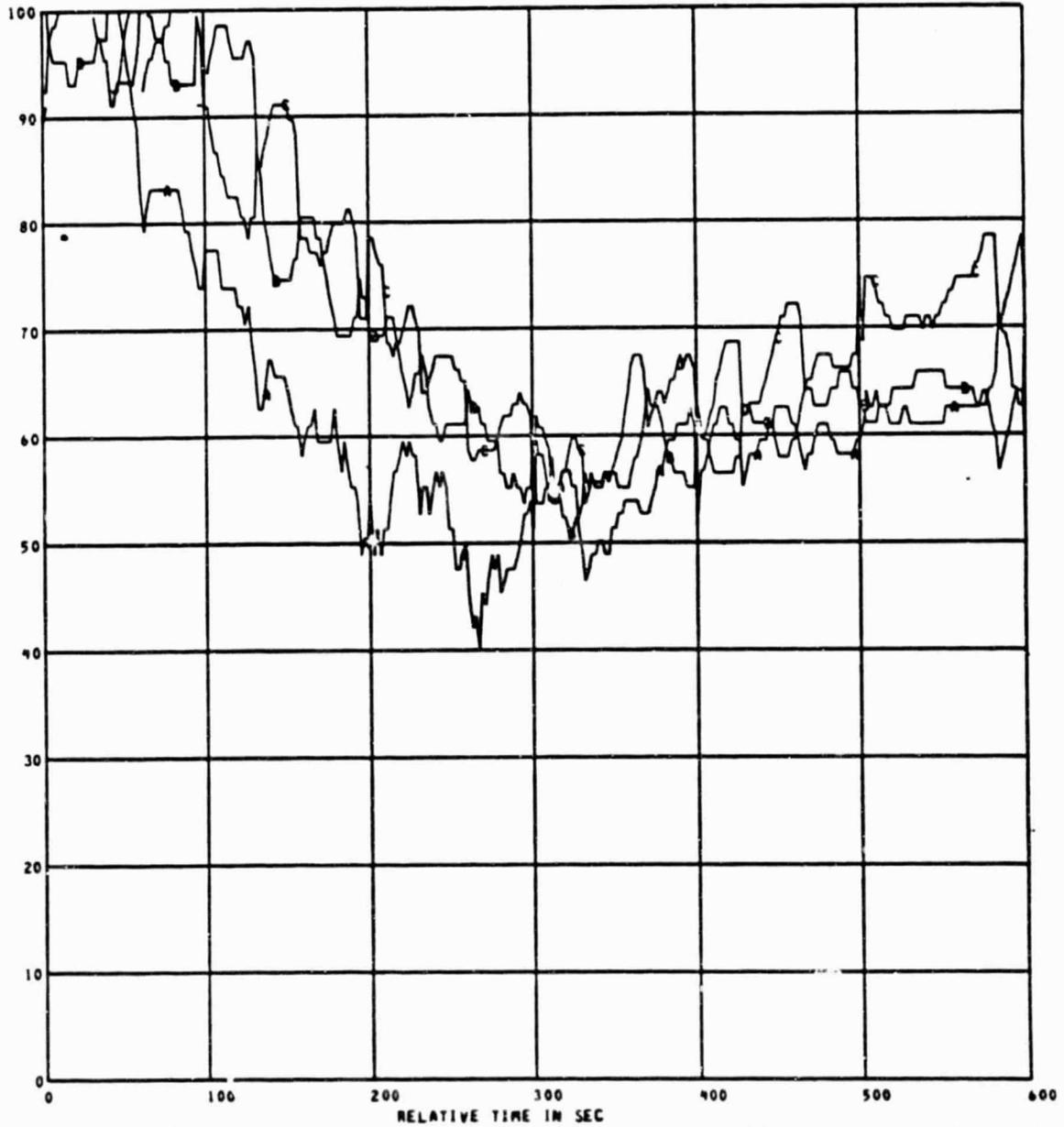
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
• ML	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 02 44.000

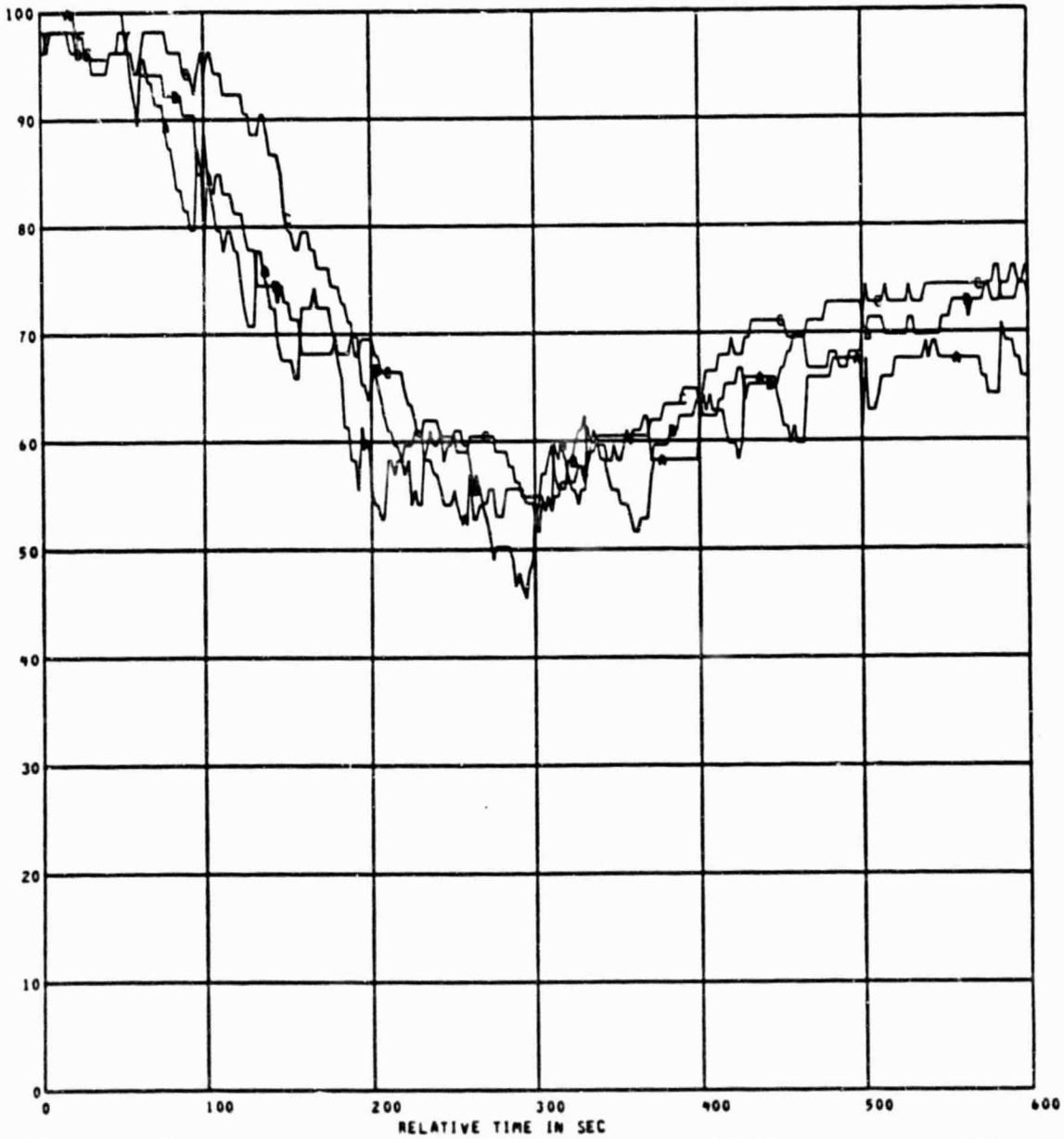


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10 02 44.000

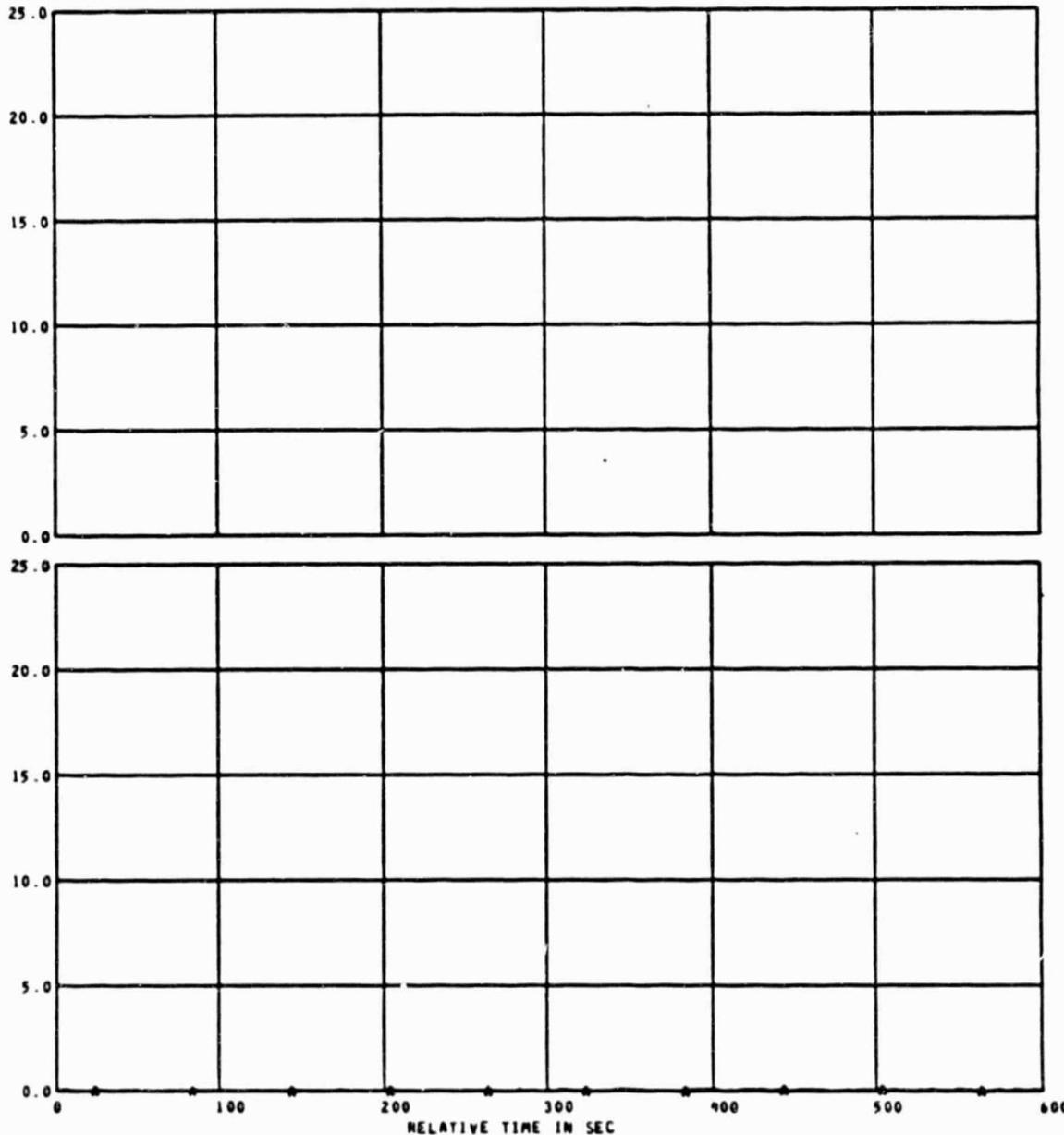


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASAB

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 02 44.000

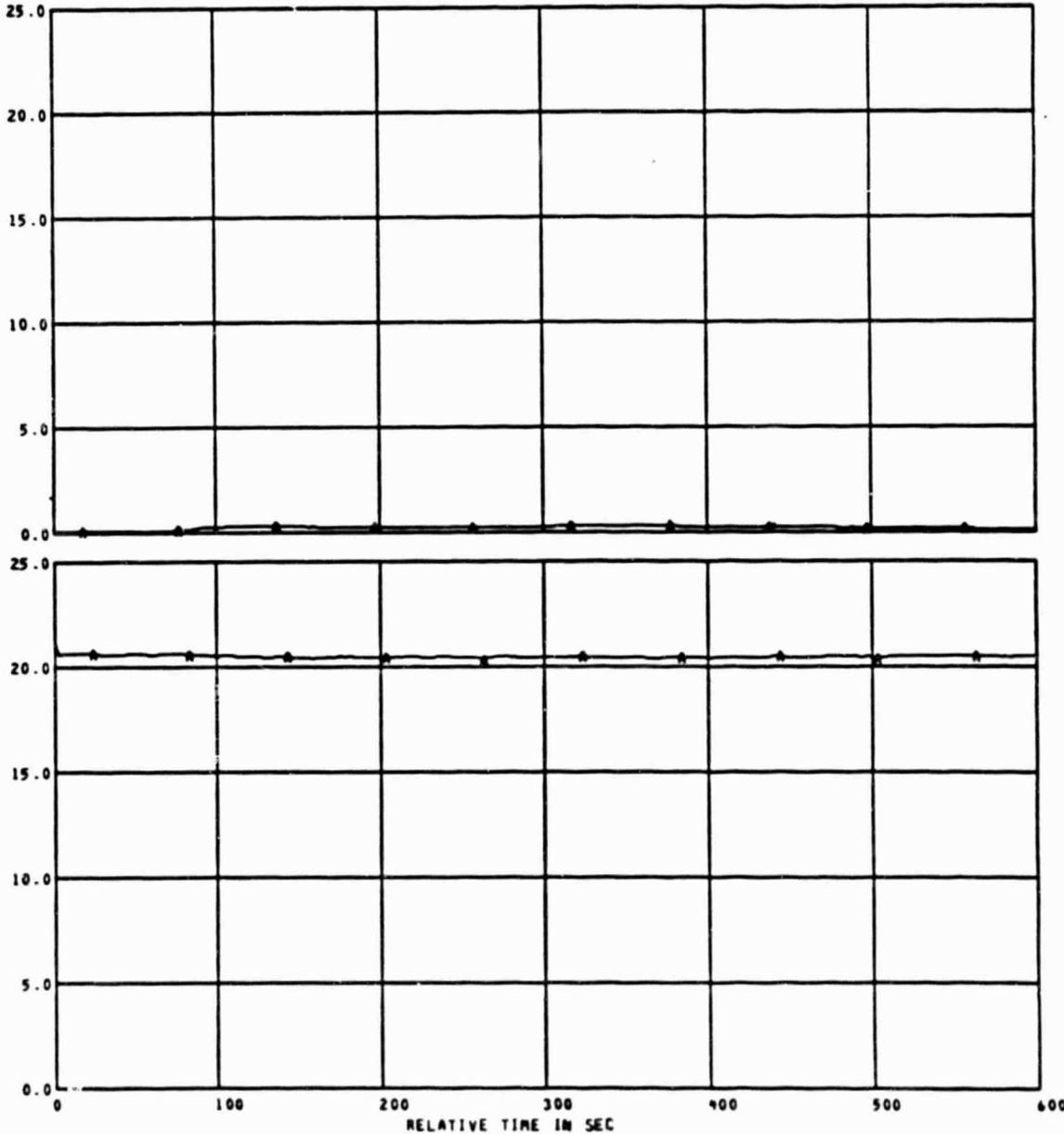


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
CDE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 10 02 44.000

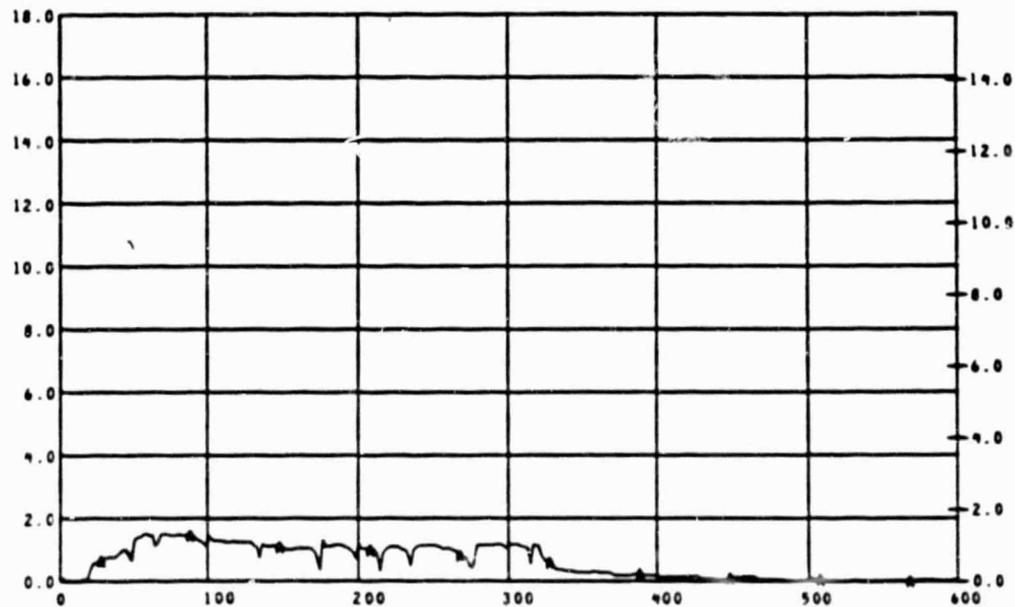
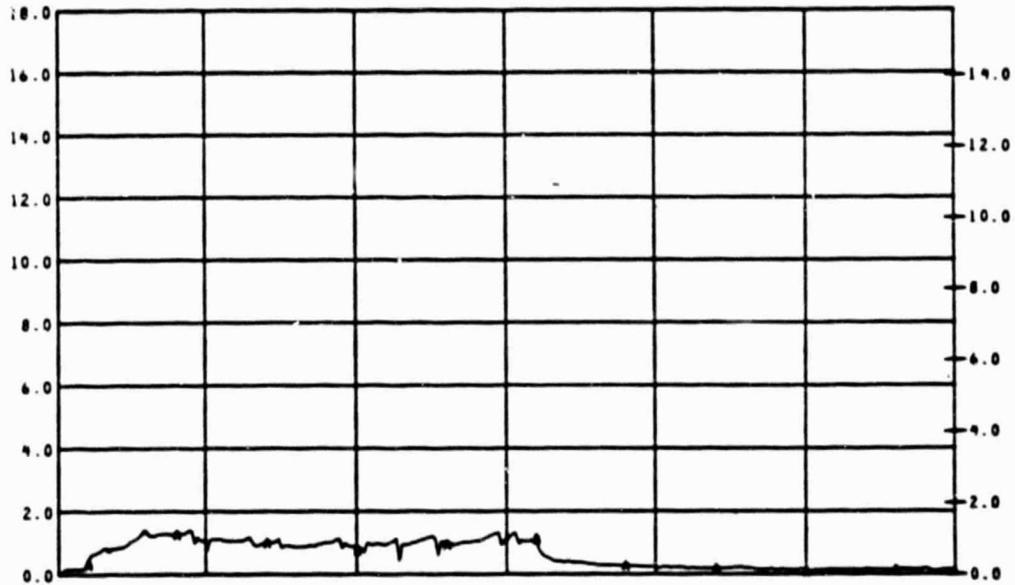


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASAB

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 10 02 44.000

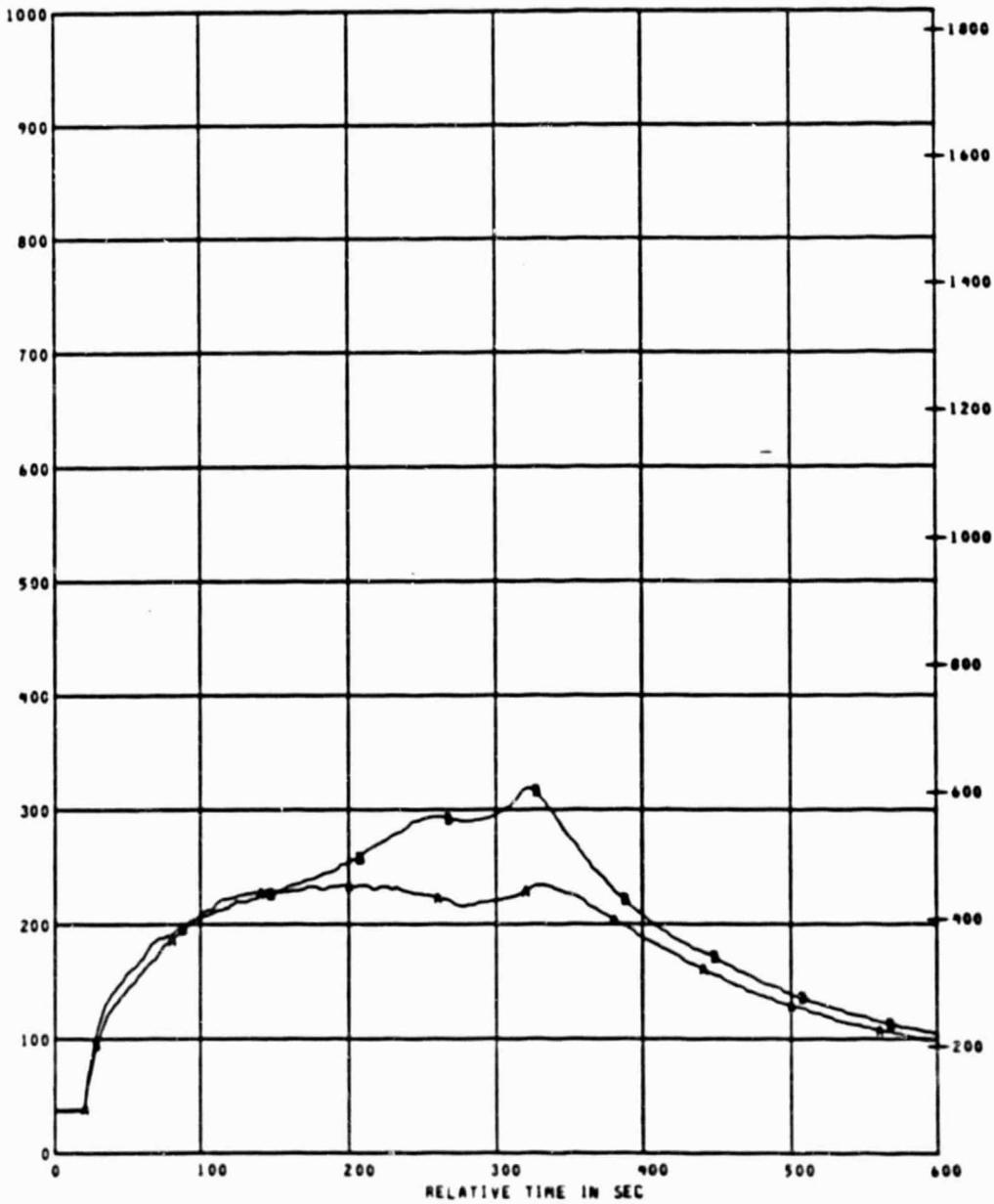


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
# CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
# CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NASAB

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 10 02 44.000



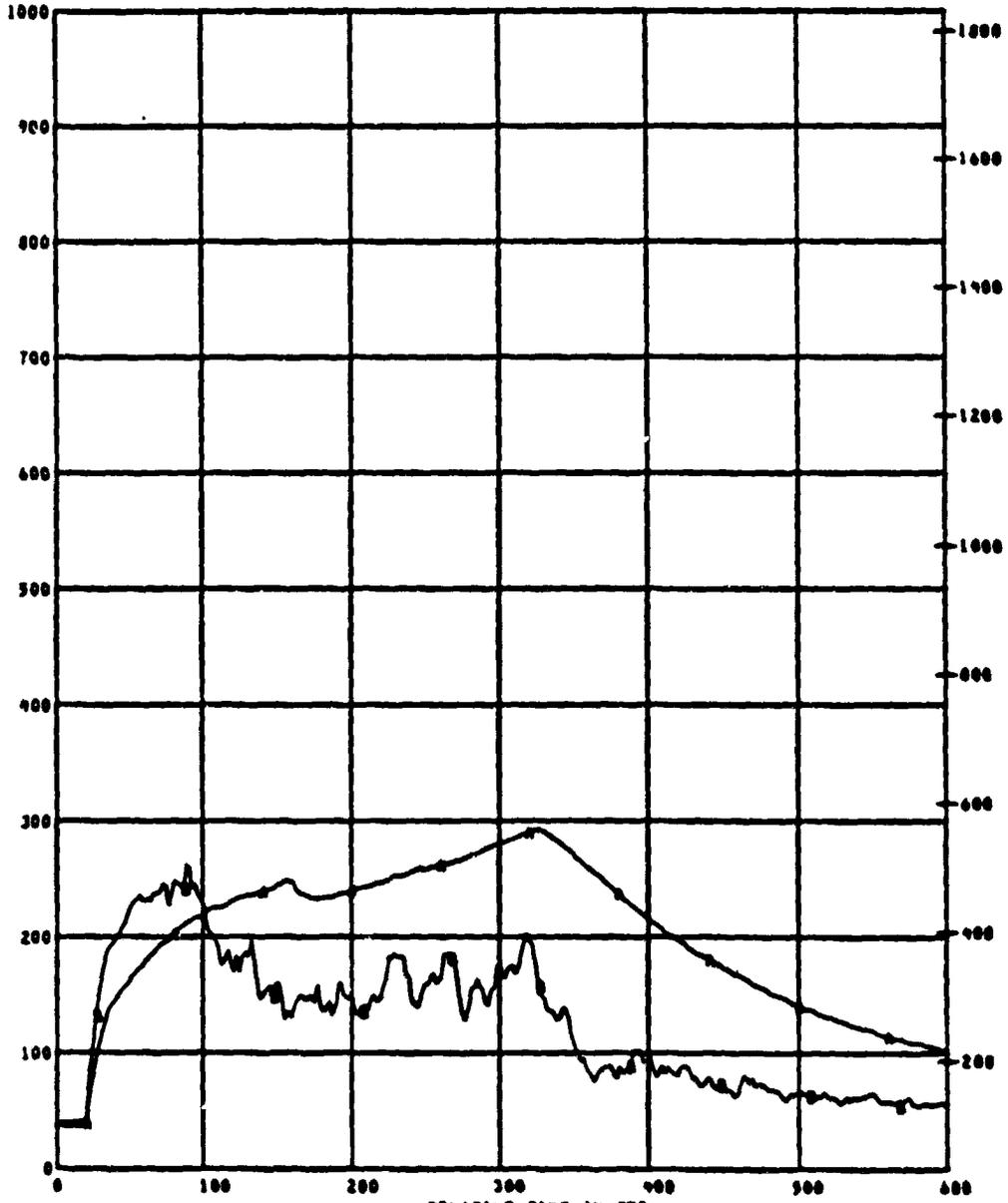
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1966 PLOT NO 6 - 1

REFERENCE TIME 16 02 44.000



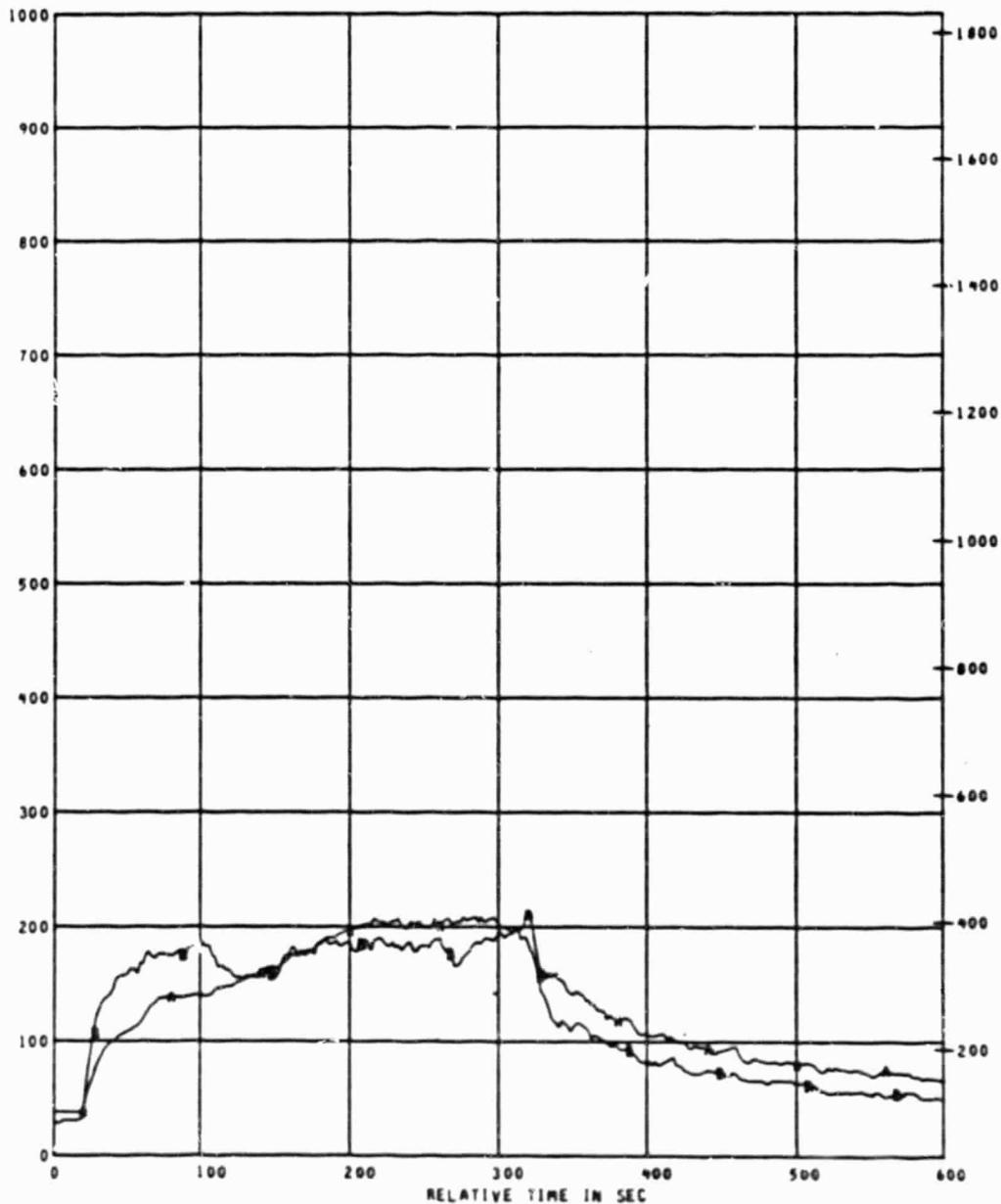
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
6 TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AS
6 TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AS

TEST ID NASA8

SEAT TST-OCT 1960 PLOT NO 9 - 1

REFERENCE TIME 10 02 44.000

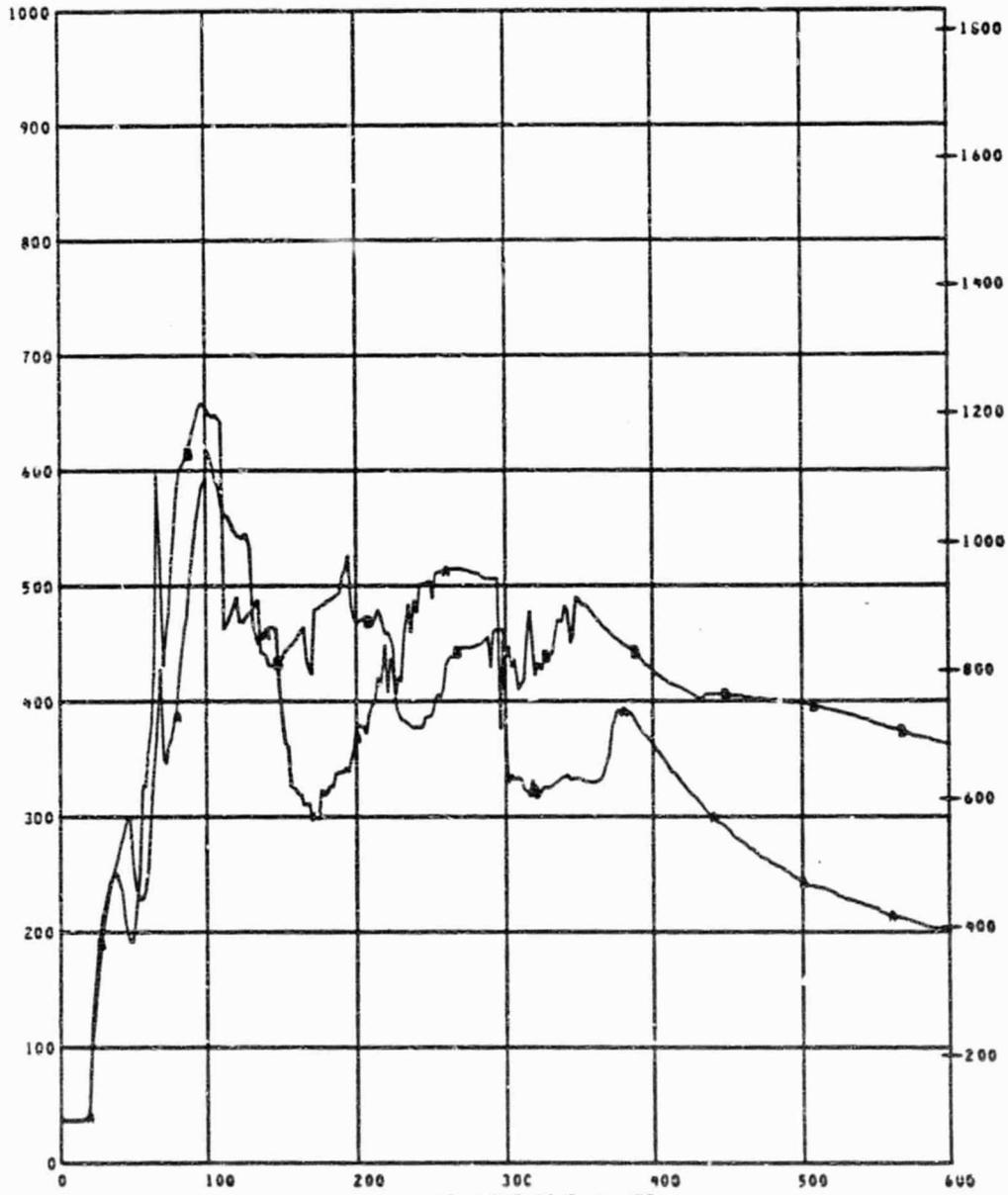


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
6 TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 02 44.000

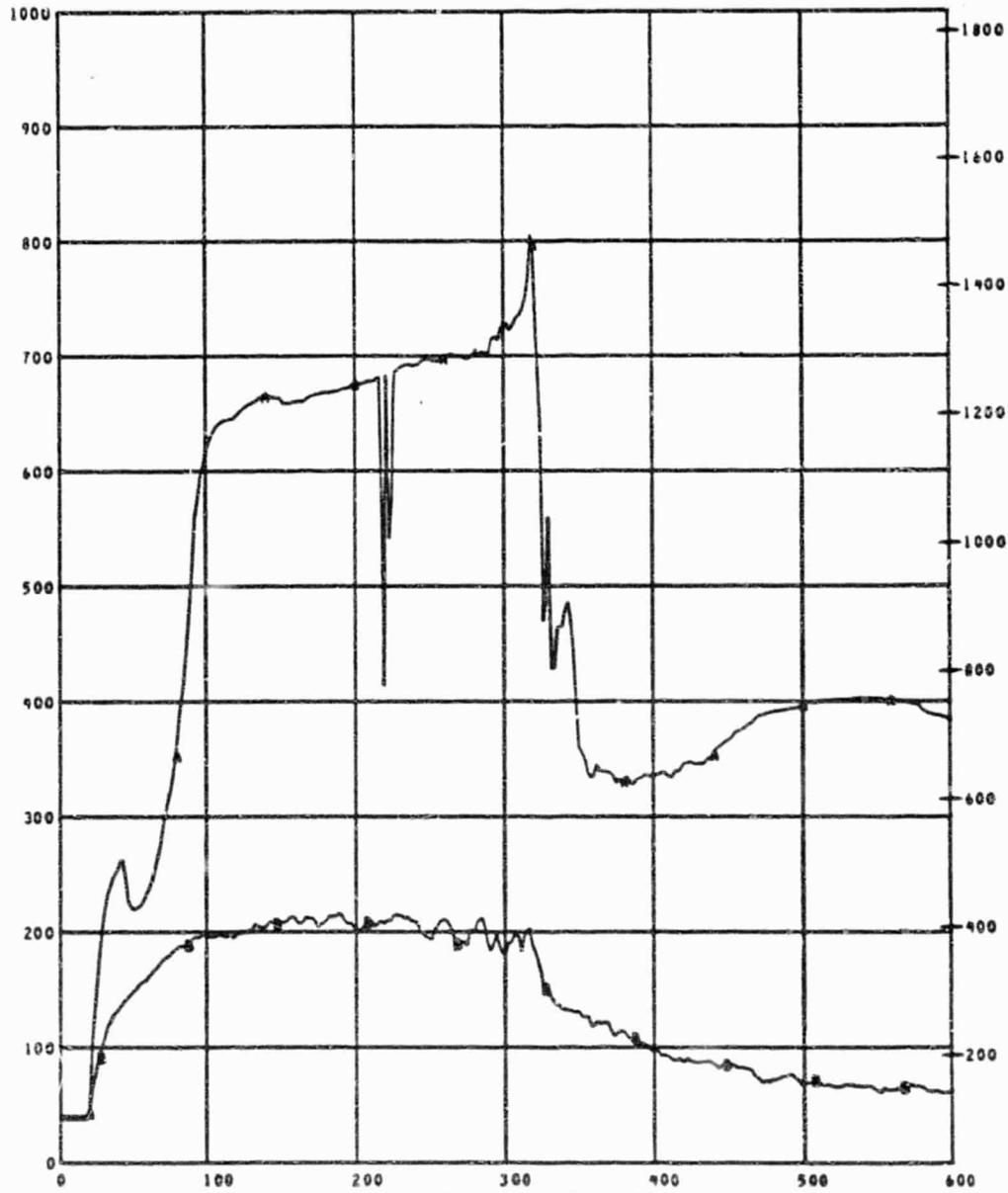


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 02 44.000



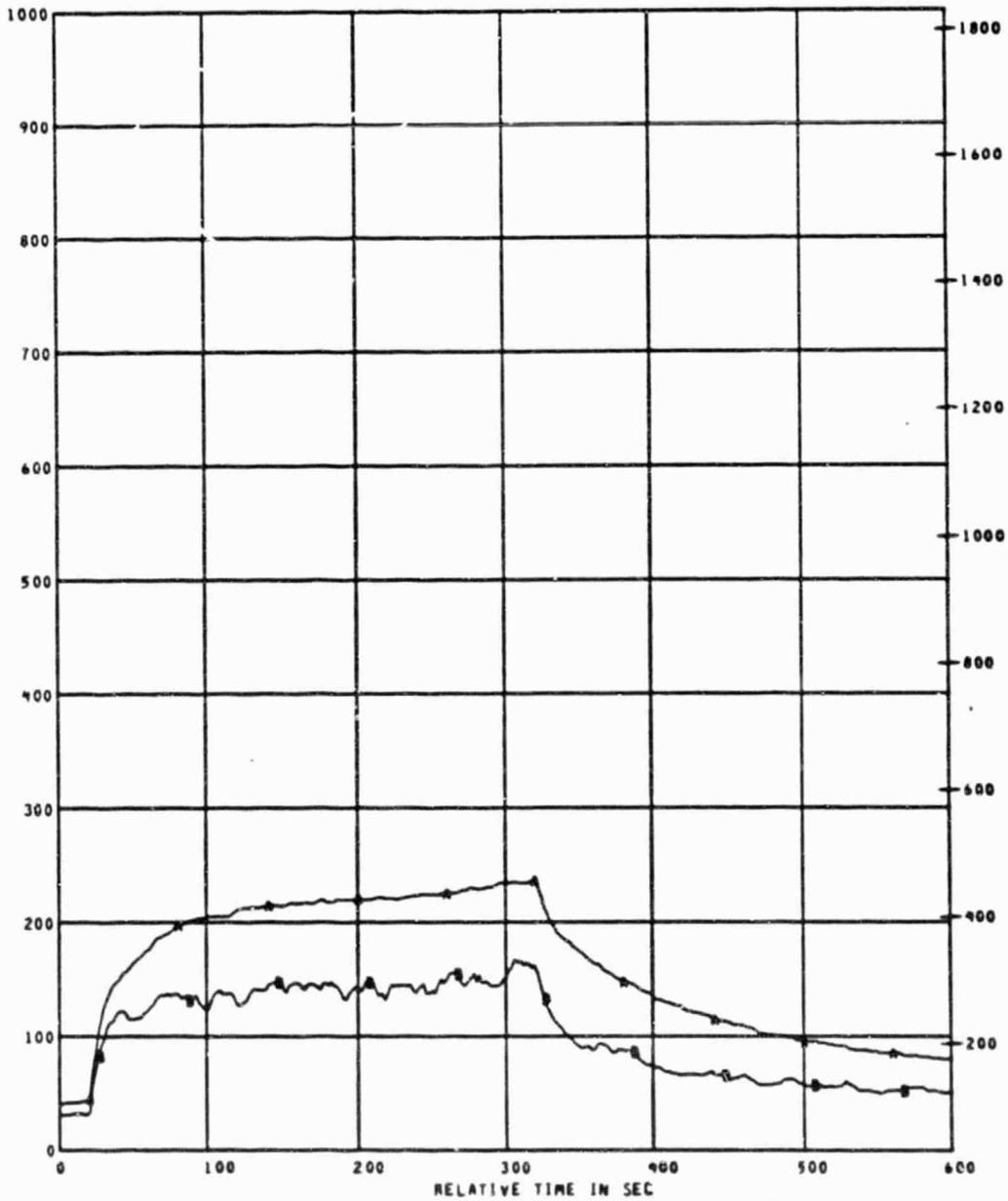
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
# TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
# TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 02 44.000

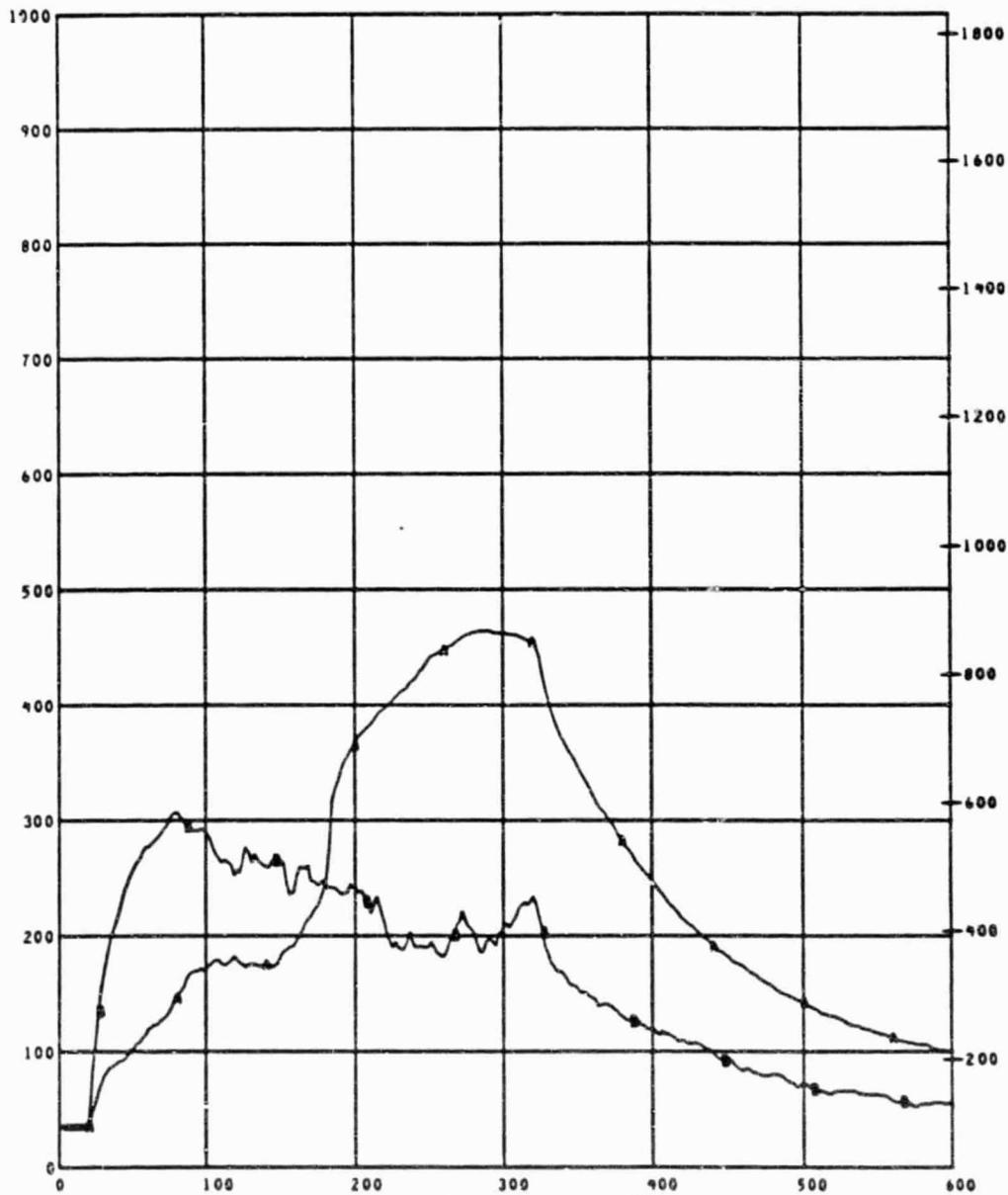


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
2 TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT T5T-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 02 44.000

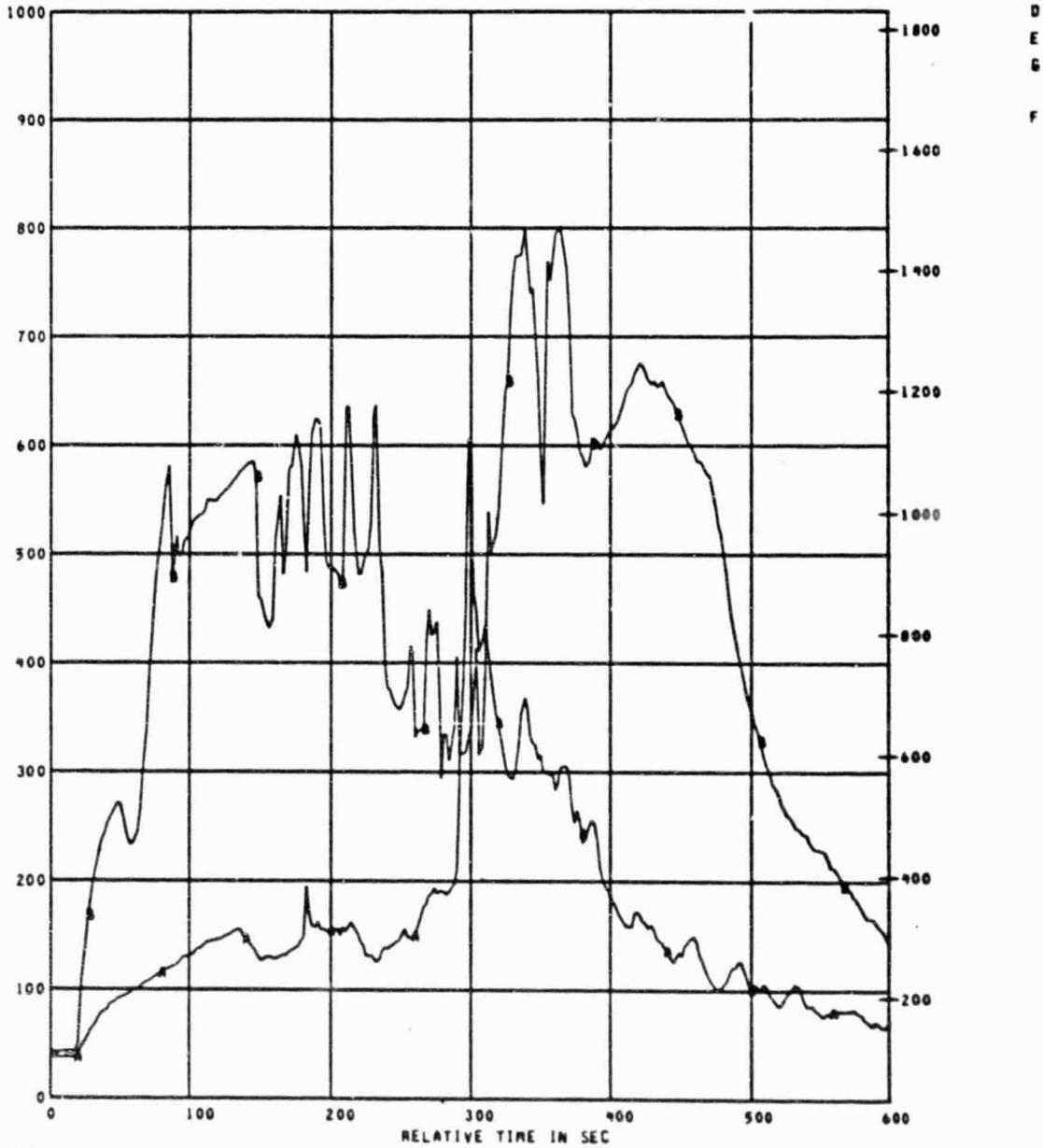


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
* TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 02 49.000

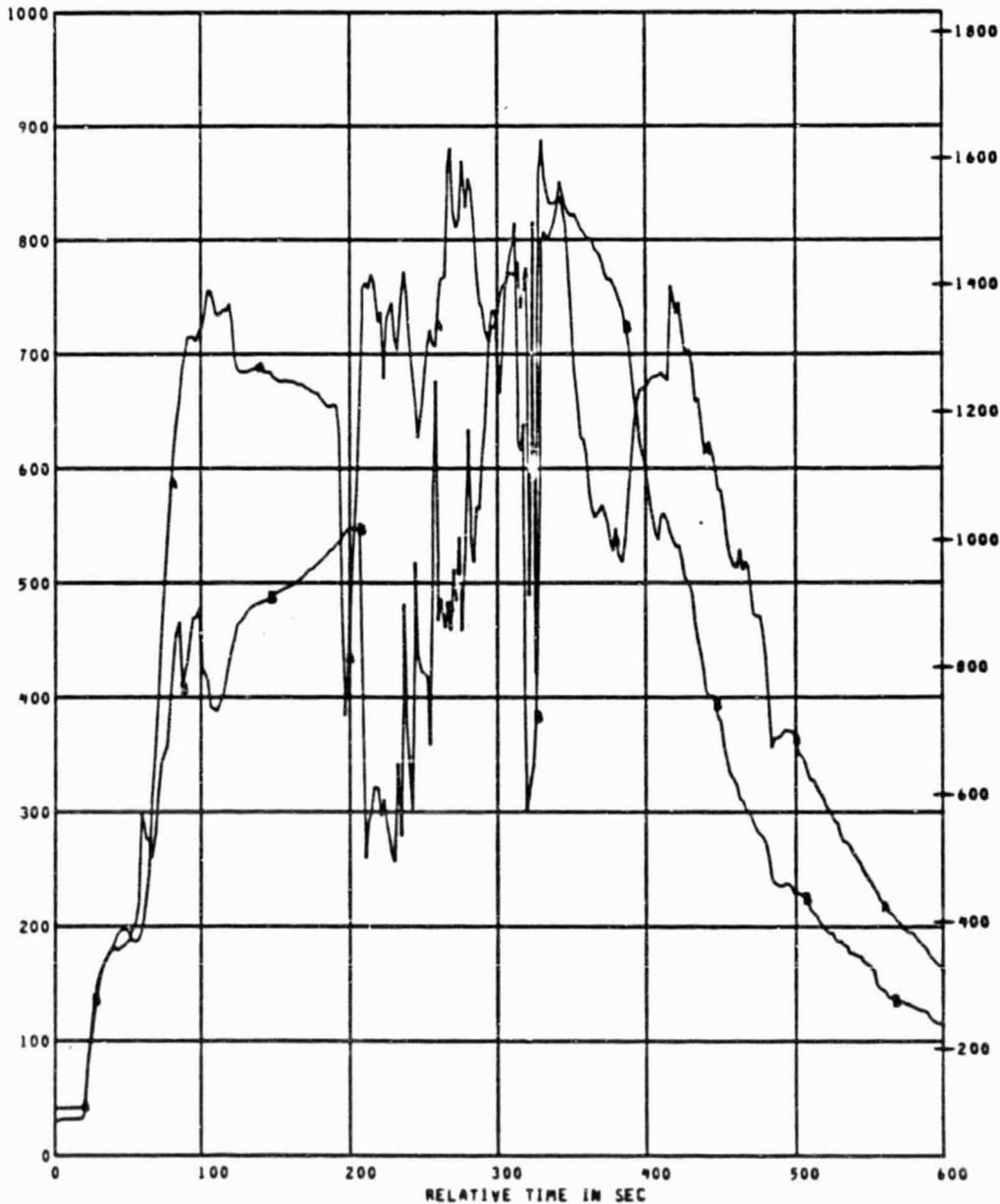


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 02 44.000



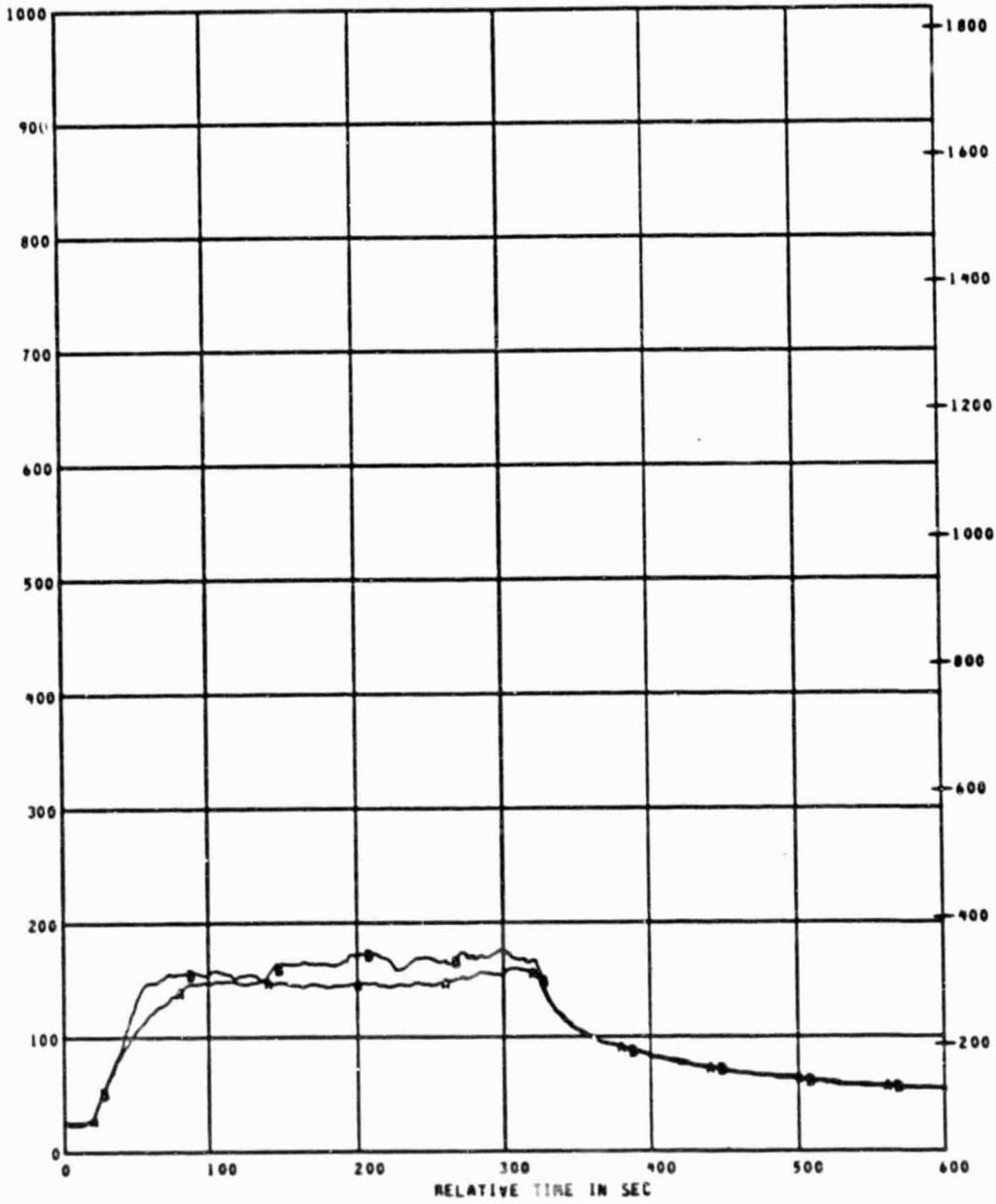
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 02 49.000

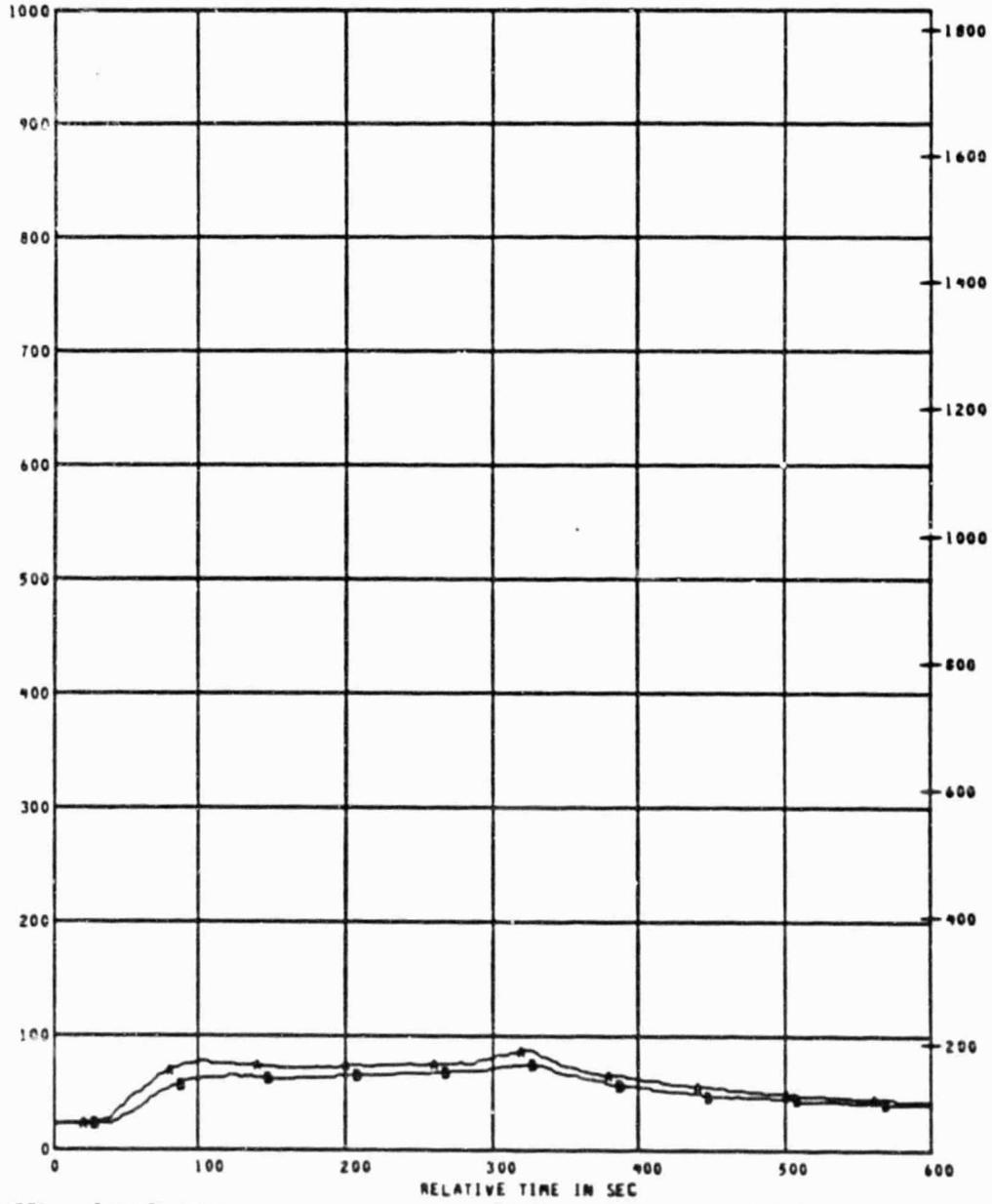


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
1 YCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 02 44.000

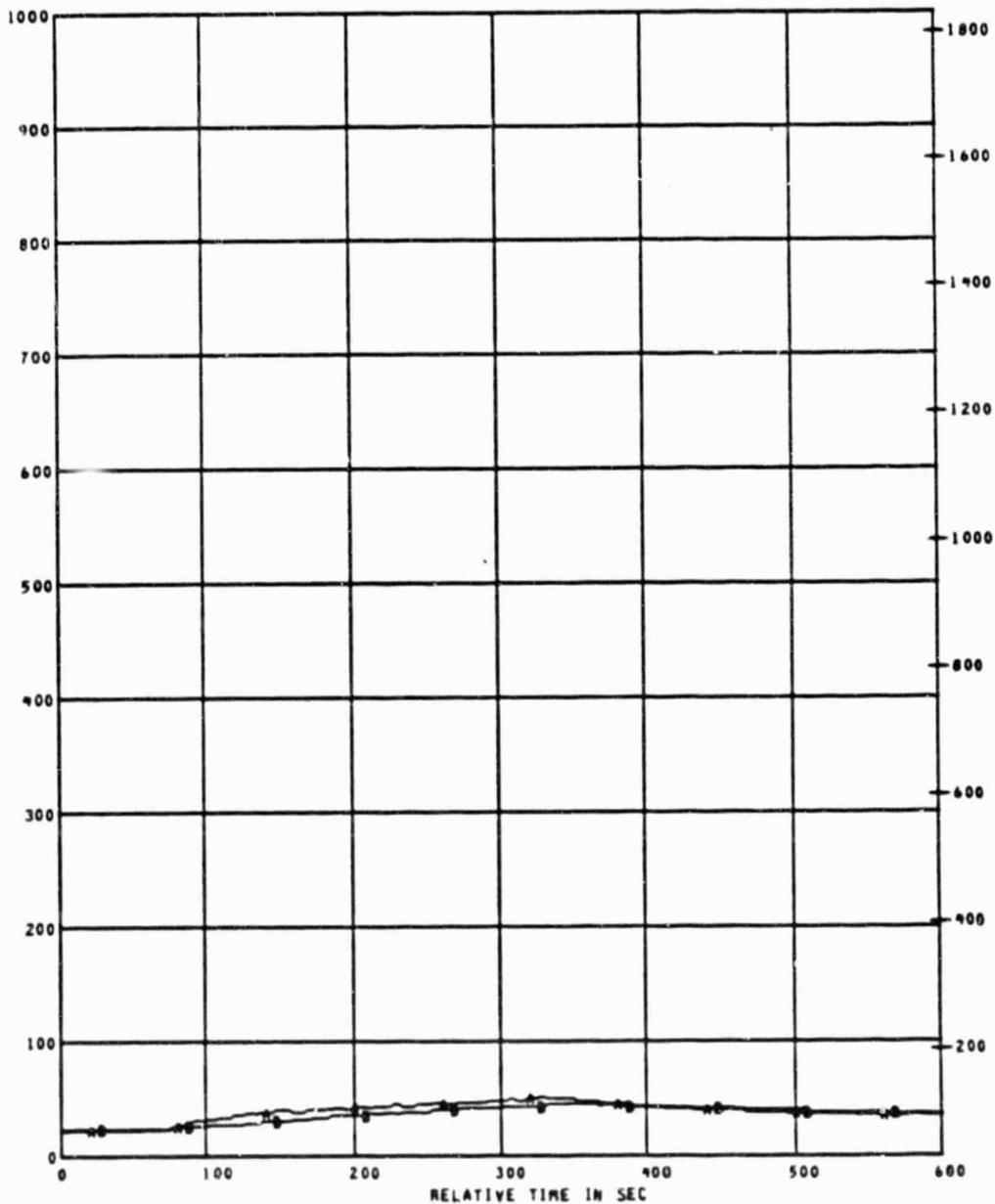


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
1 TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 02 44.000

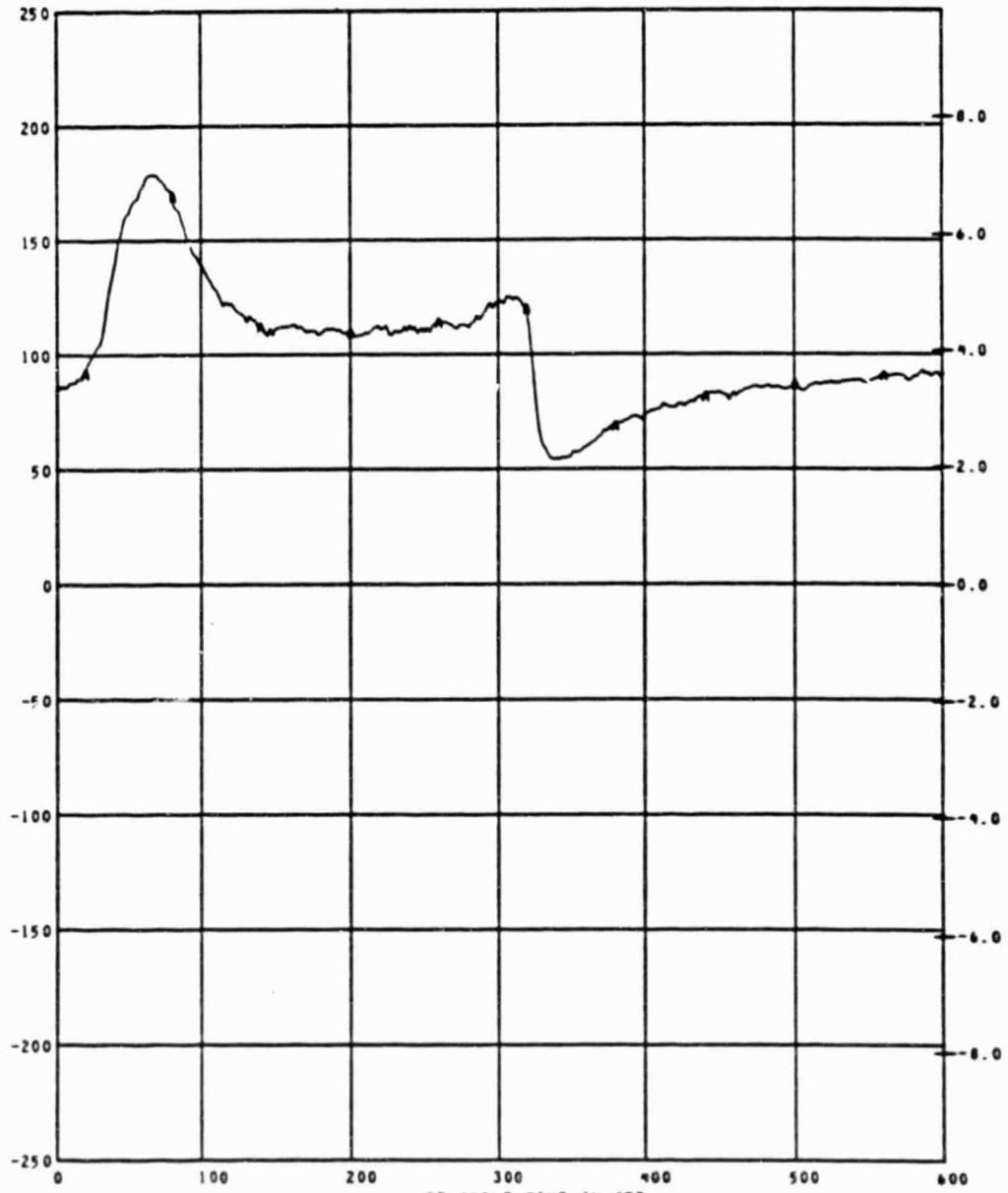


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
• TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
• TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 02 44.000



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MEAS. NUMBER  
# DPC

CHANNEL ASGN.  
098

RELATIVE TIME IN SEC  
TITLE  
CABIN DELTA PRESSURE

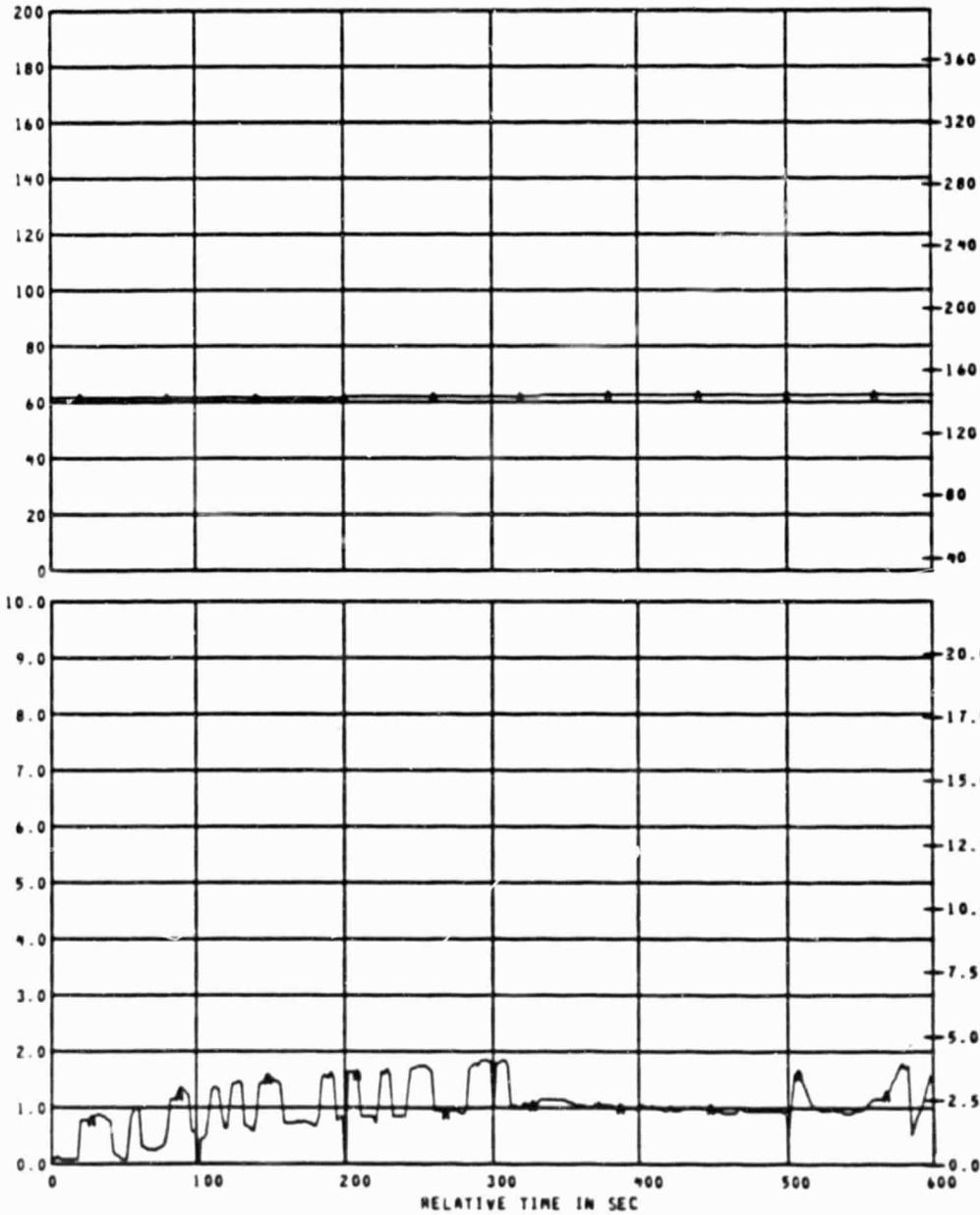
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H20 AA

TEST ID NASA#

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 02 44.000



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L  
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S

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
1 WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

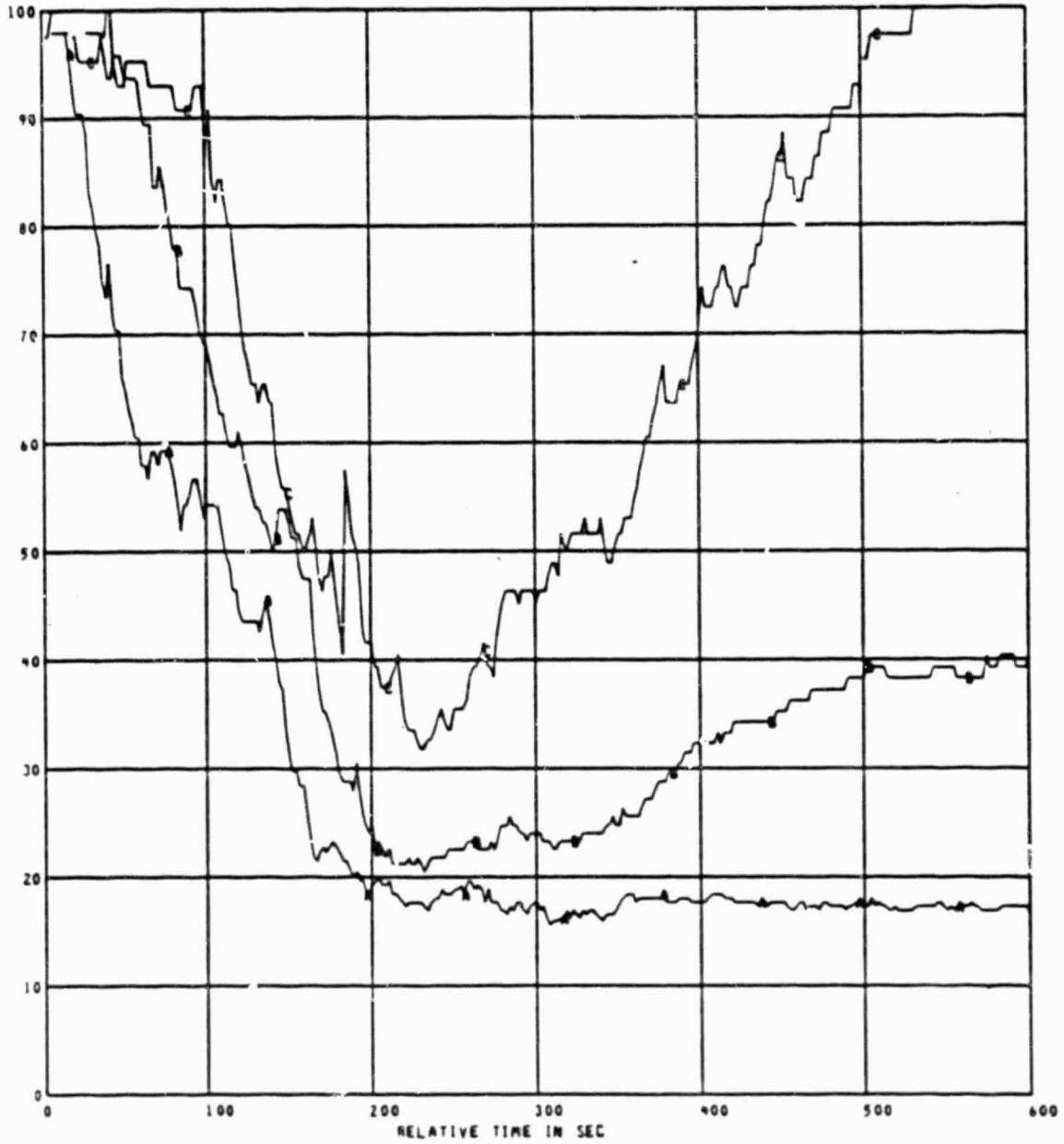
### 3.2 CUSHION DATA, FUEL PAN TESTS

		Page
NAS 1B	Cushion Configuration 1	164-183
NAS 2B	Cushion Configuration 2	184-204
NAS 3B	Cushion Configuration 3	205-224
NAS 4B	Cushion Configuration 4	225-244
NAS 5B	Cushion Configuration 5	245-264
NAS 6B	Cushion Configuration 6	265-284
NAS 7B	Cushion Configuration 7	285-304
NAS 8B	Cushion Configuration 8	305-324

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 09 51 40.000

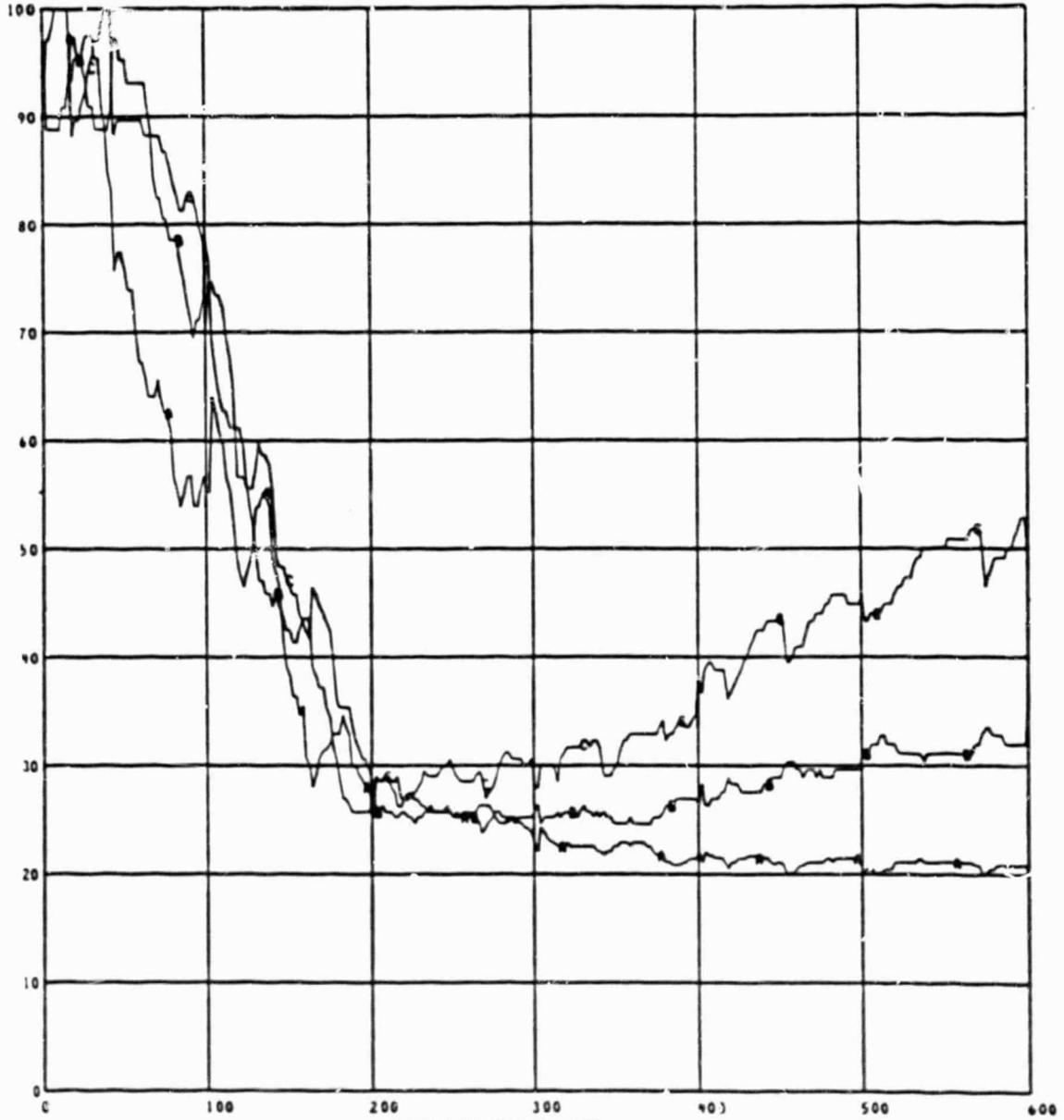


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 09 51 40.000

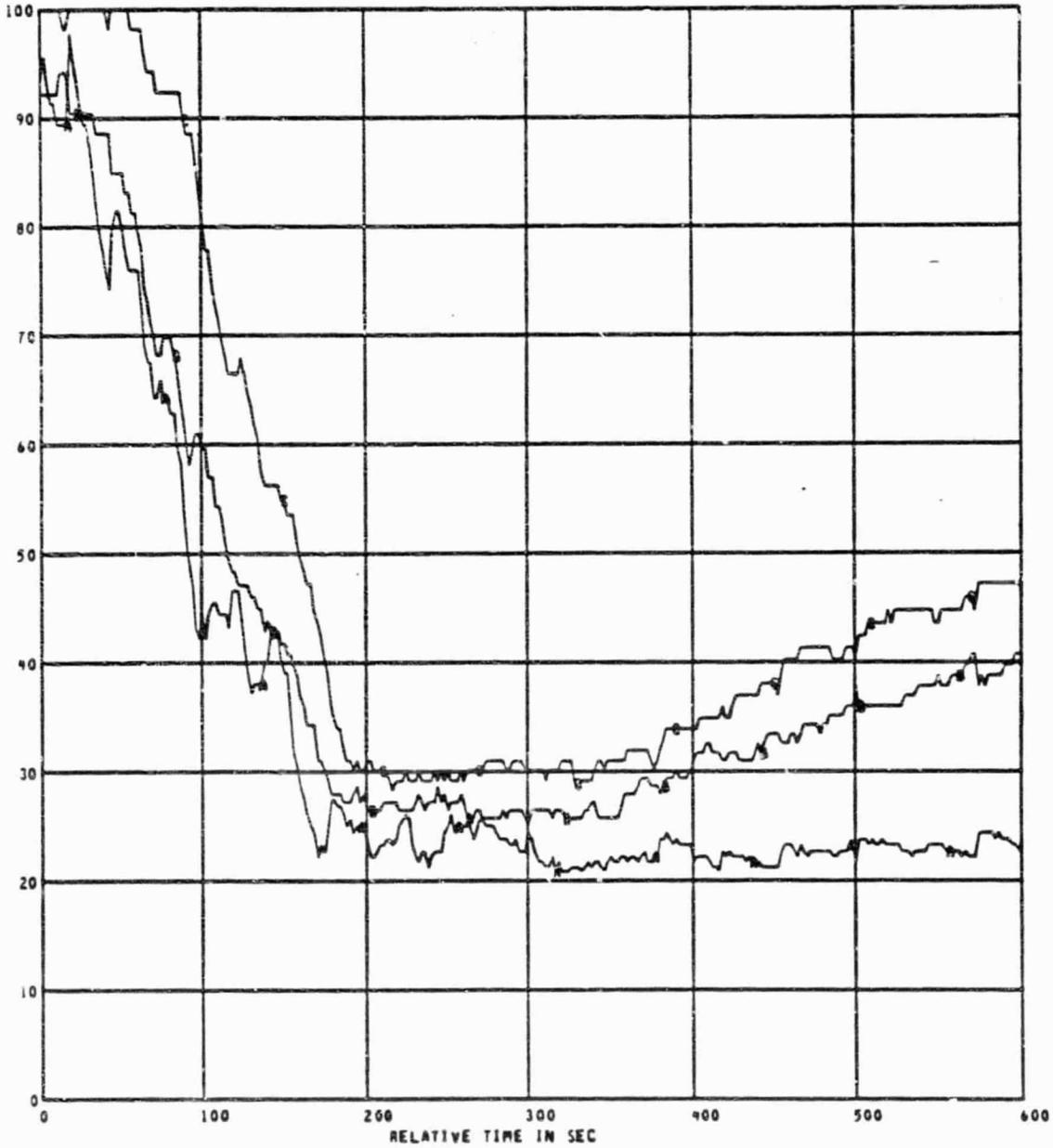


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT.	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS1B

SEAT TST-OCT 1960 PLOT NO 3 - 1

REFERENCE TIME 09 51 40.000

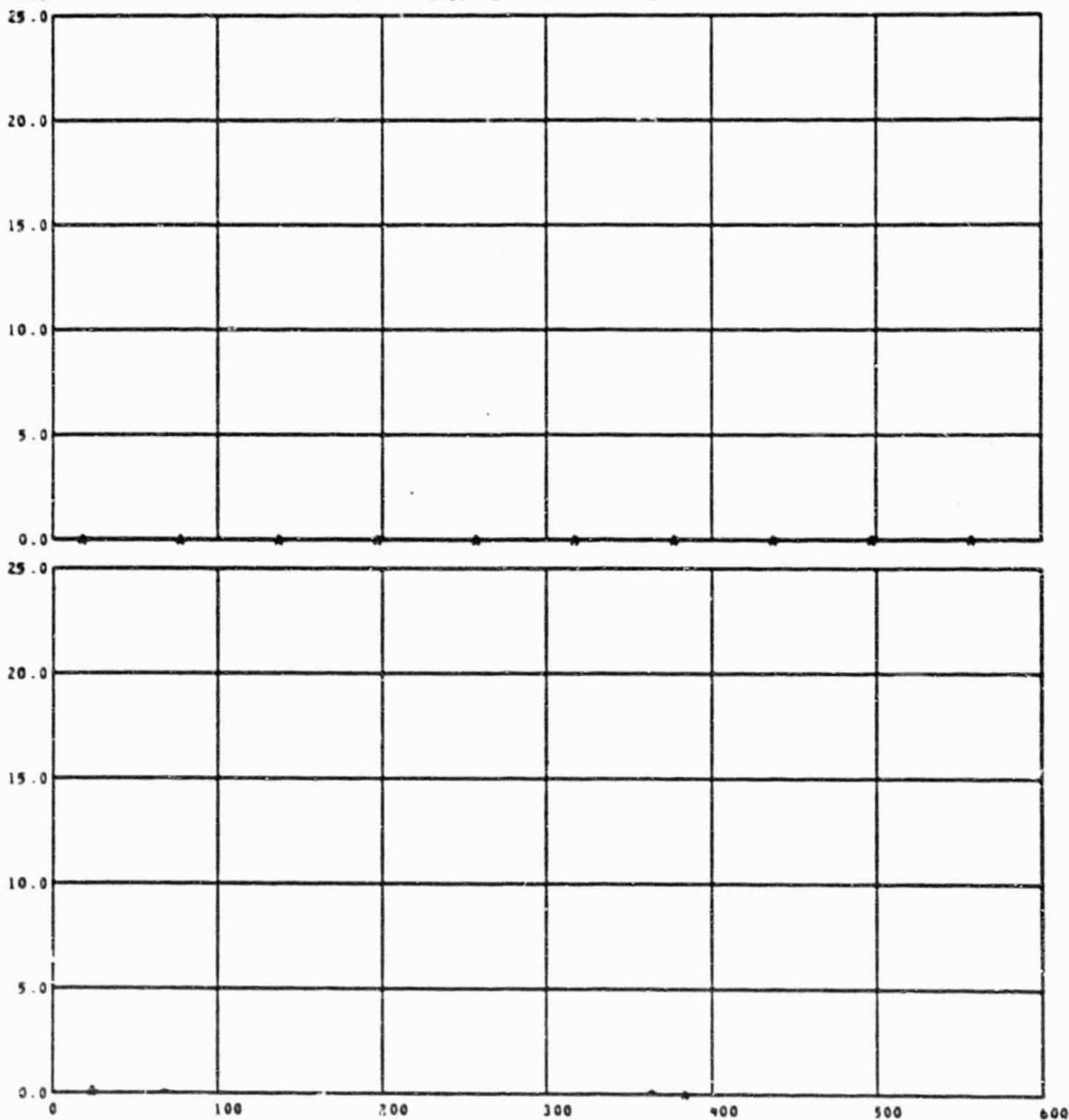


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTORETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTORETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTORETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 09 51 40.00

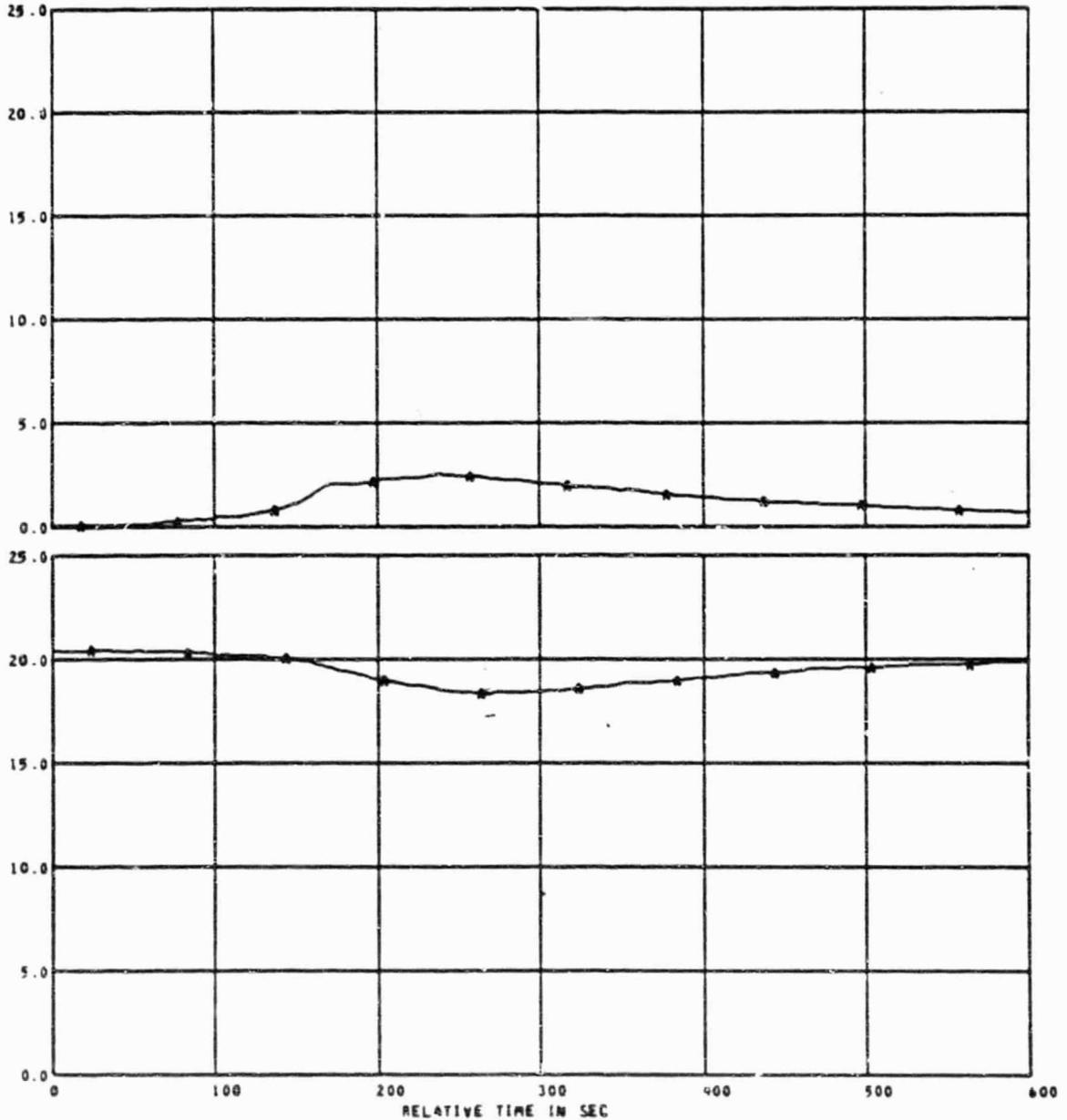


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	089	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	089	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 09 51 40.000

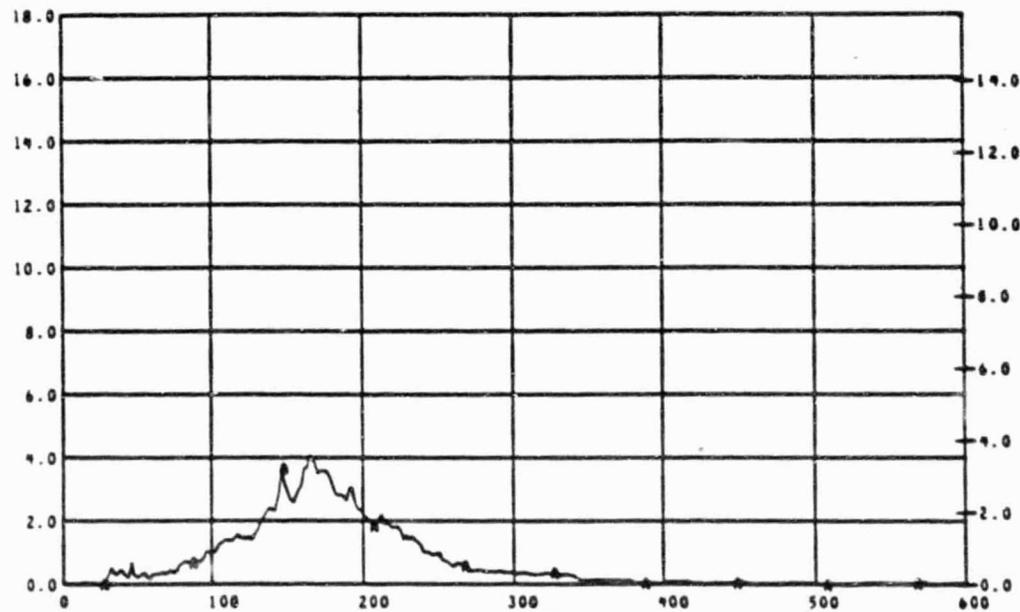
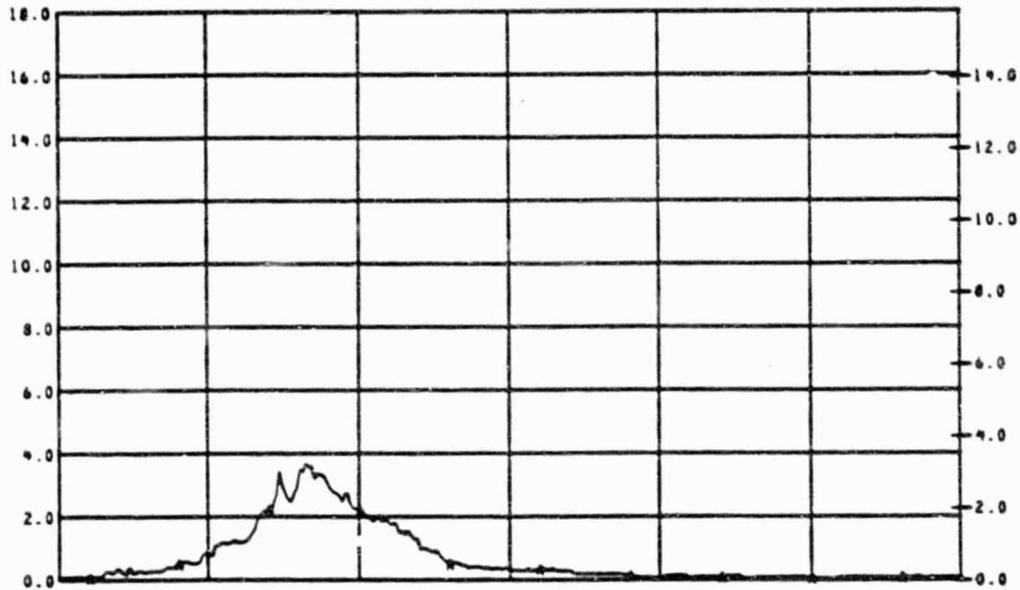


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NKS1B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 09 51 40.000

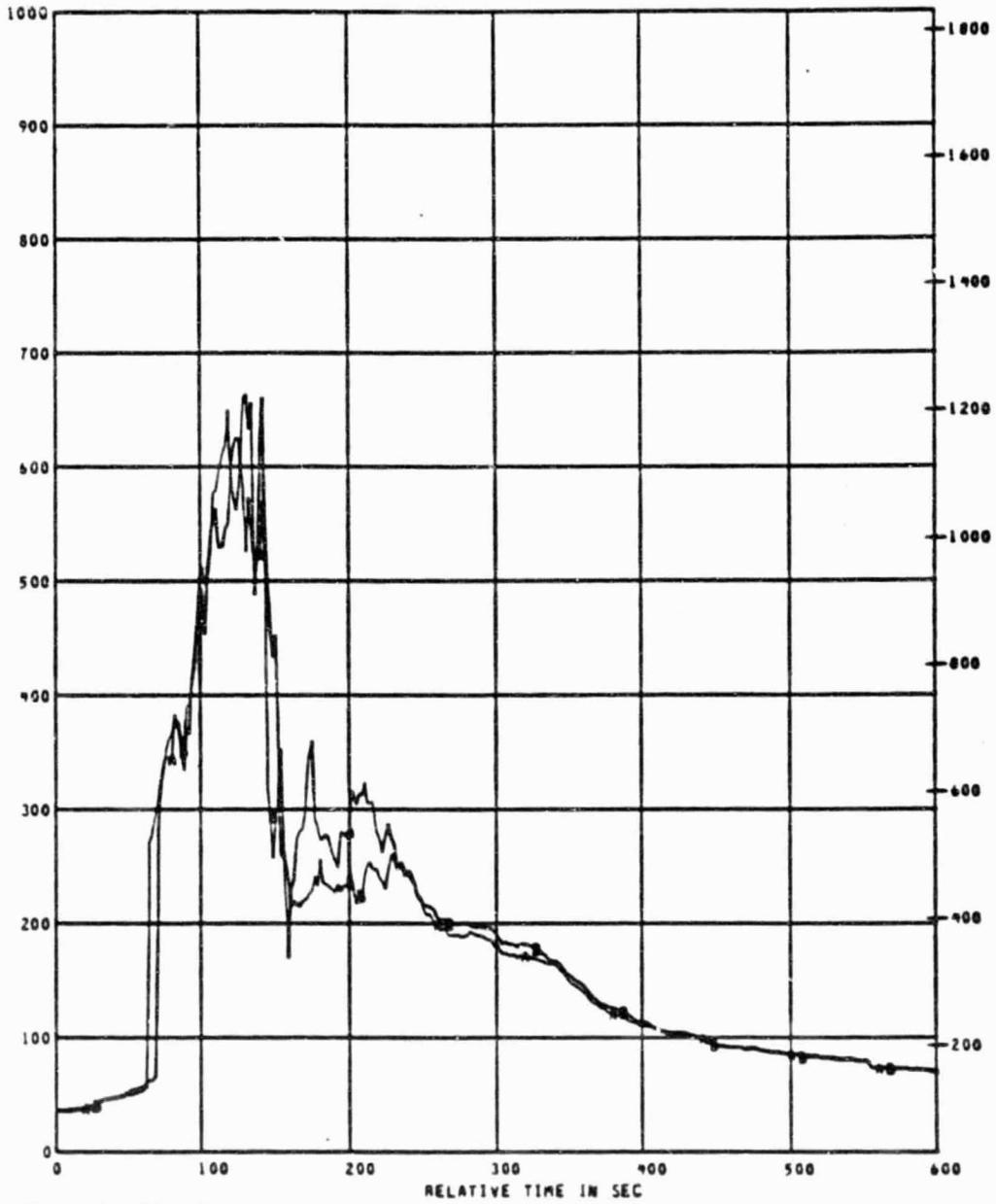


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM <sup>2</sup>	AA
6 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM <sup>2</sup>	BA

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 09 51 40.000



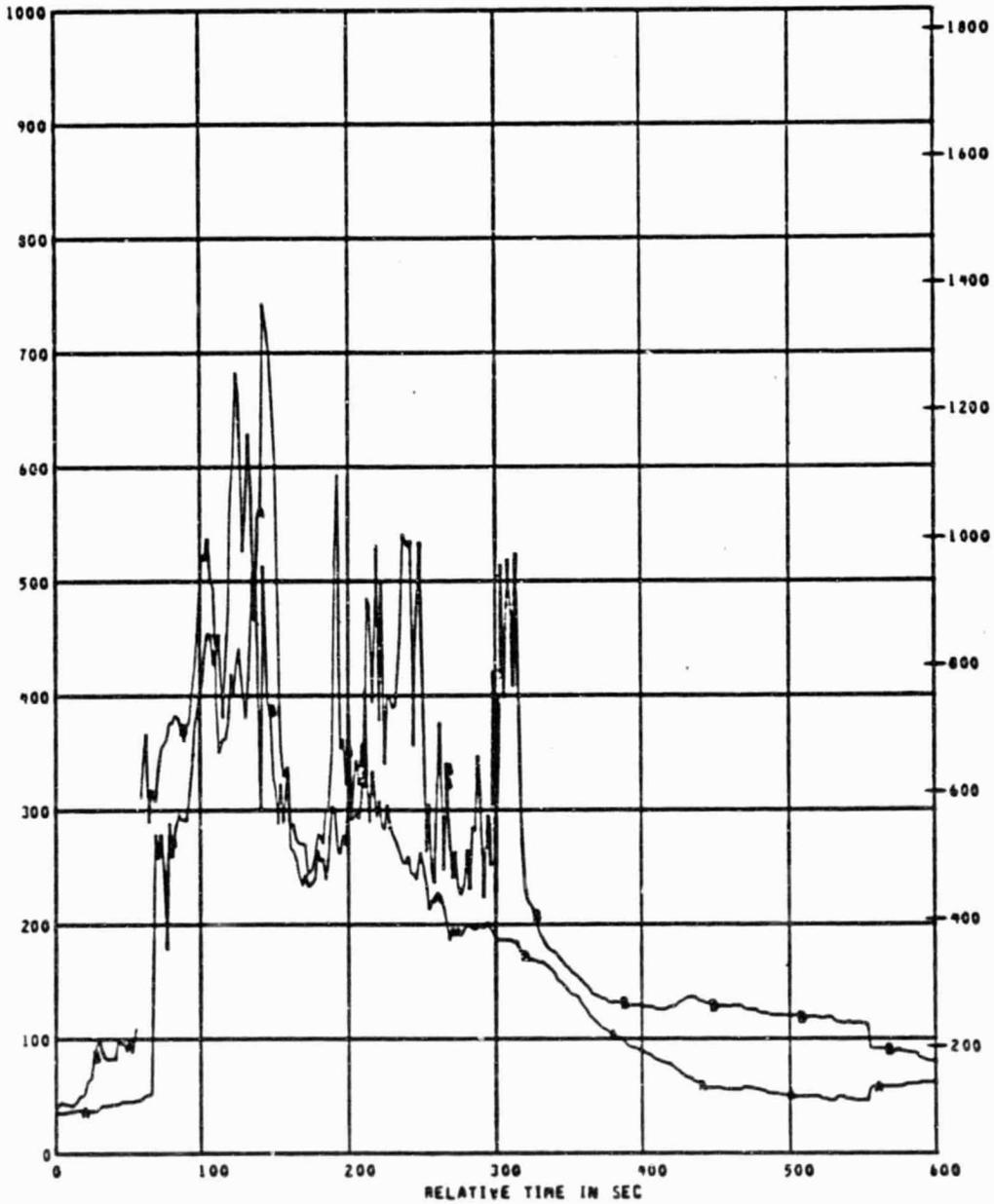
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 09 51 40.000



MEAS. NUMBER  
# TSL3  
# TSC1

CHANNEL ASGN.  
103  
104

TITLE  
TEMP-SEAT LEFT REAR  
TEMP-SEAT CENTER FRONT

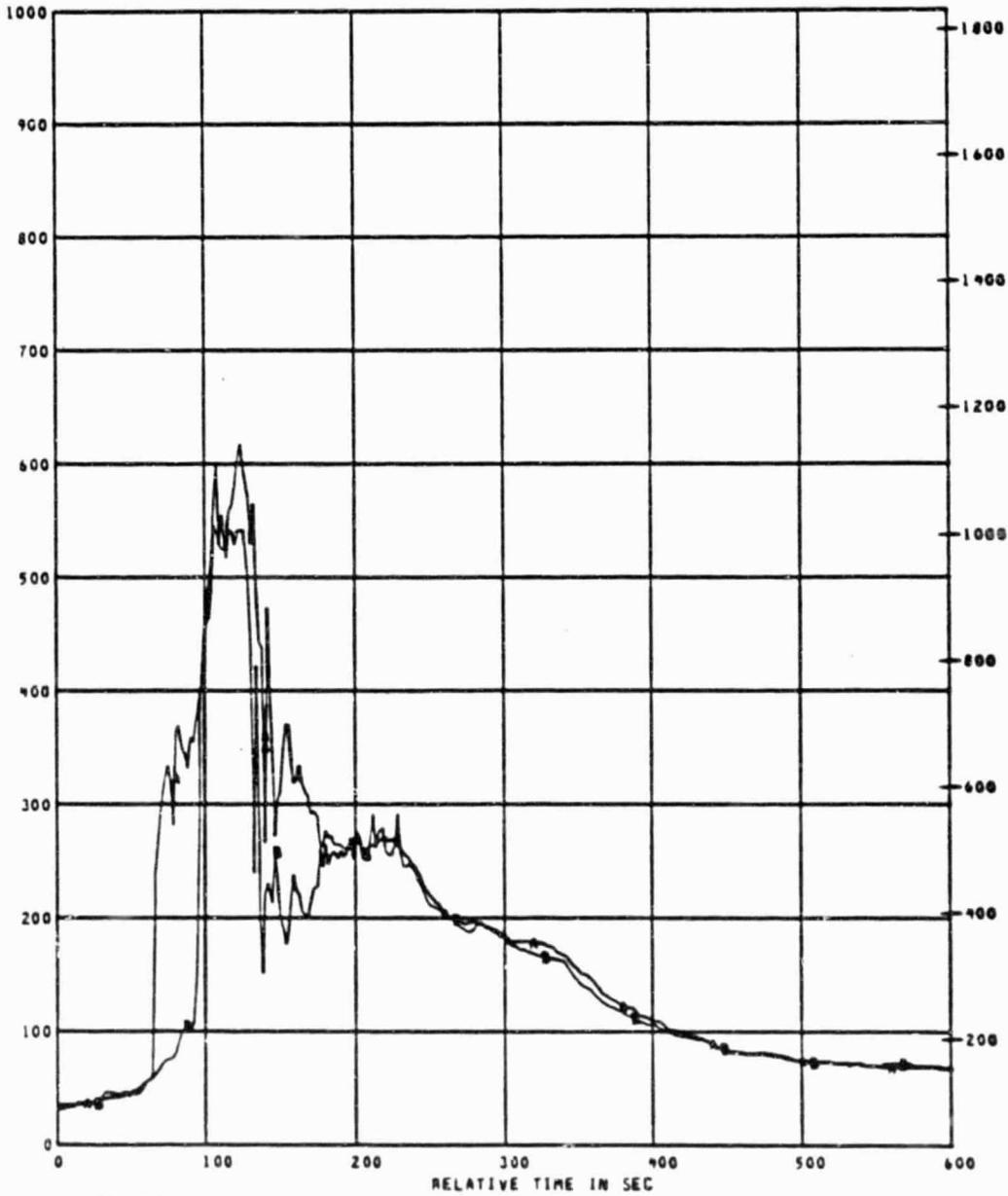
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 09 51 40.000



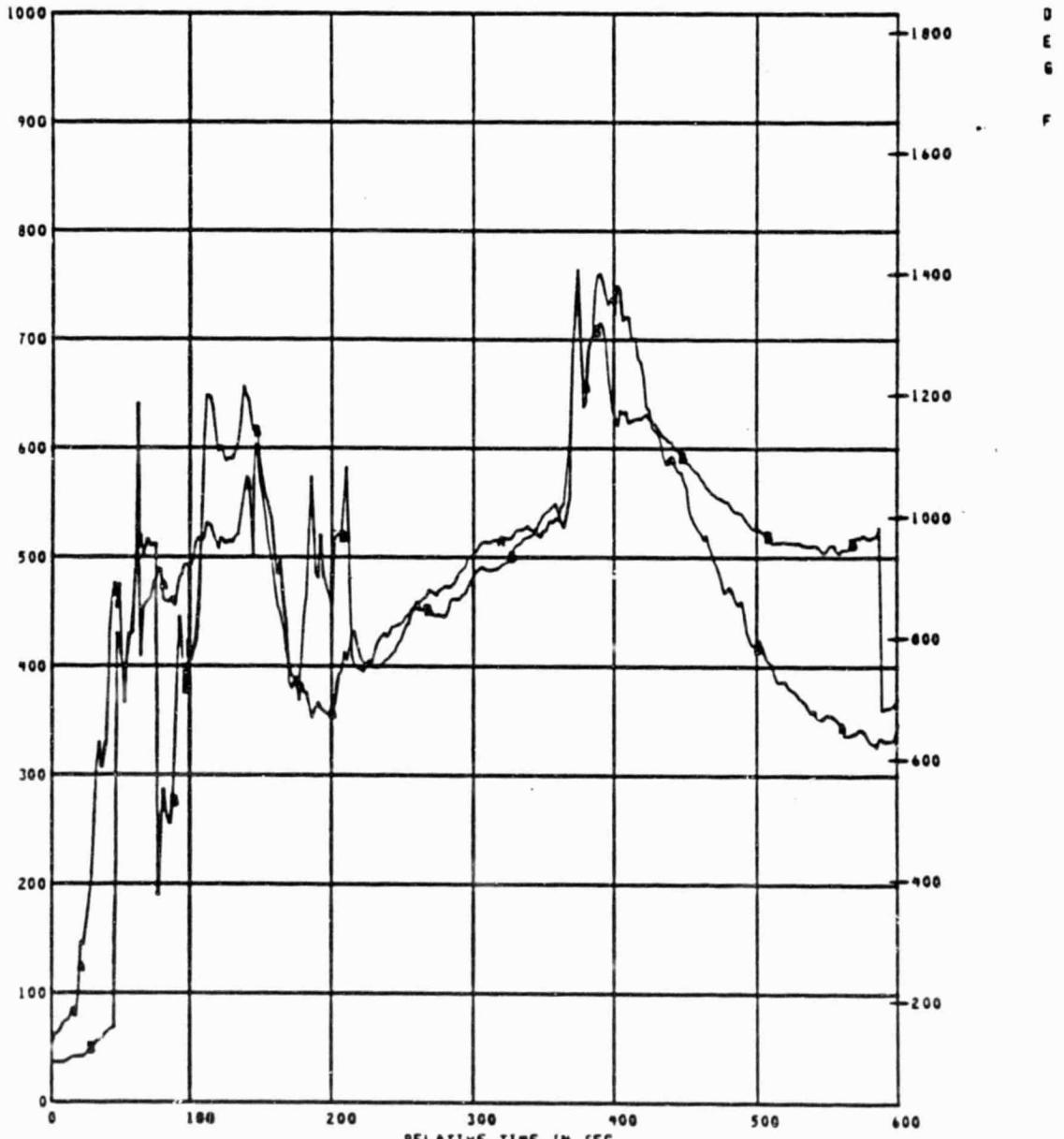
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 09 51 40.000

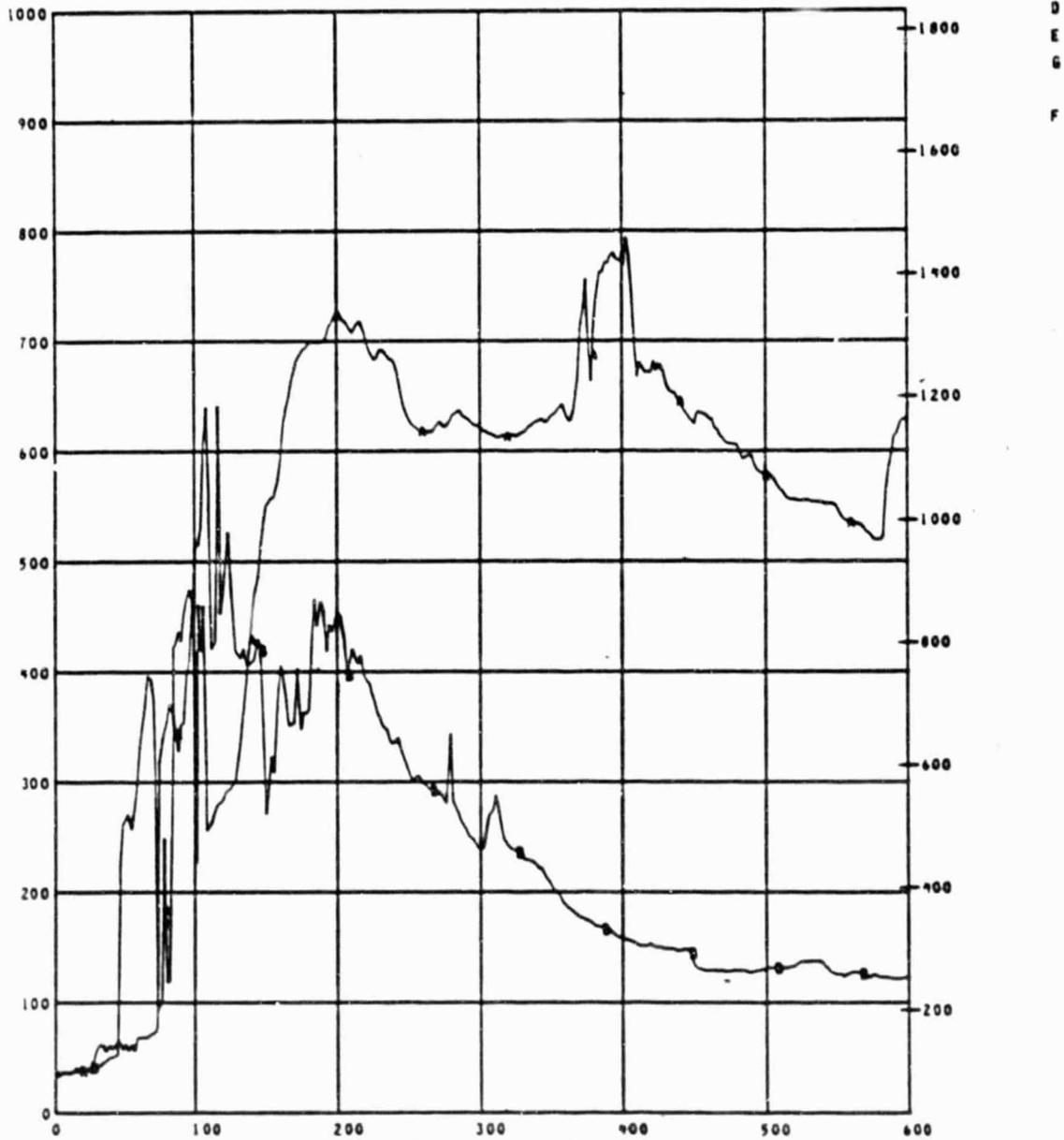


MEAS. NUMBER	CHANNEL ASSGN.	TITLE	RANGE	UNITS	GRID-SYM
TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 09 51 40.000

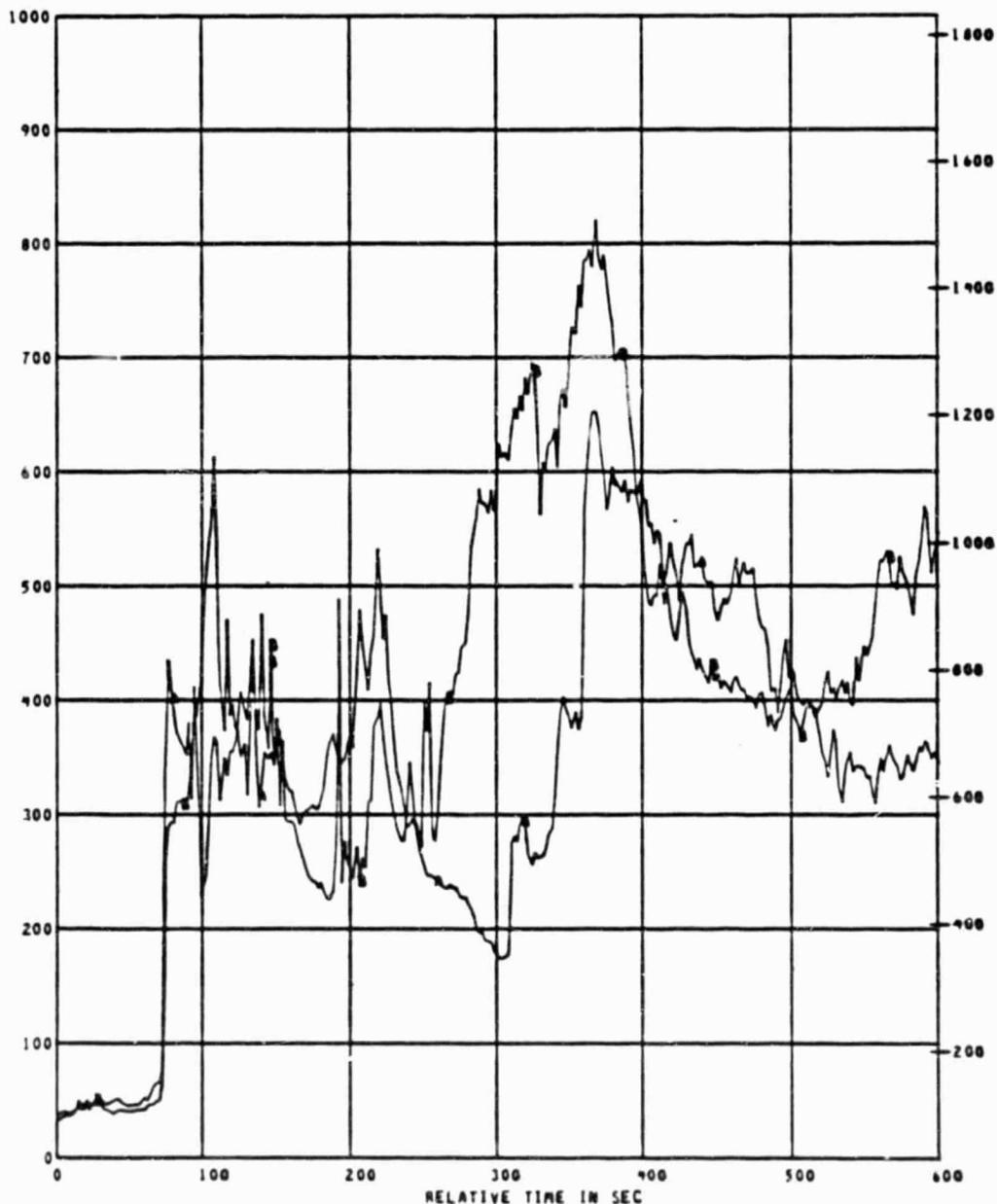


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 09 51 40.000



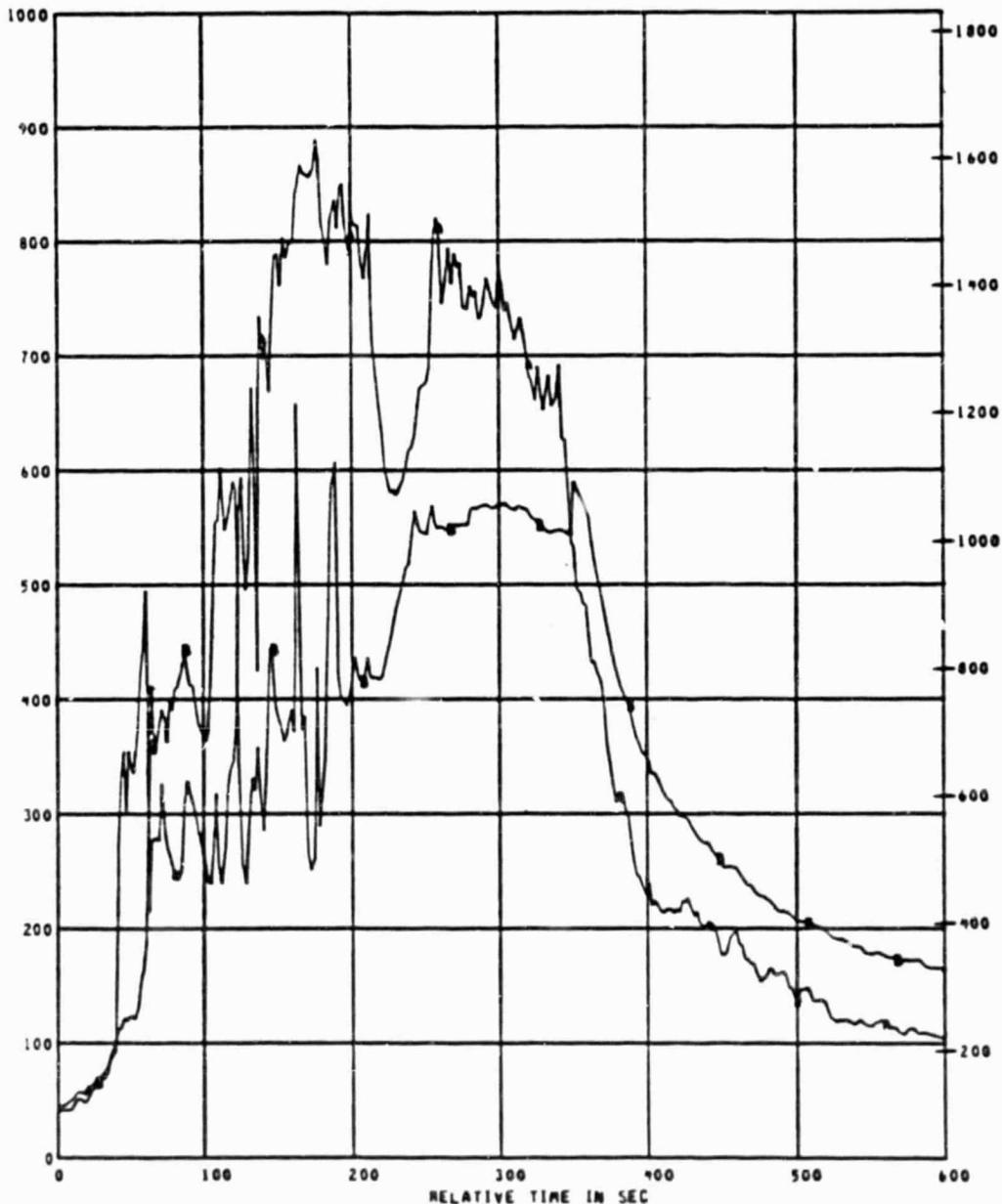
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS16

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 09 51 40.000

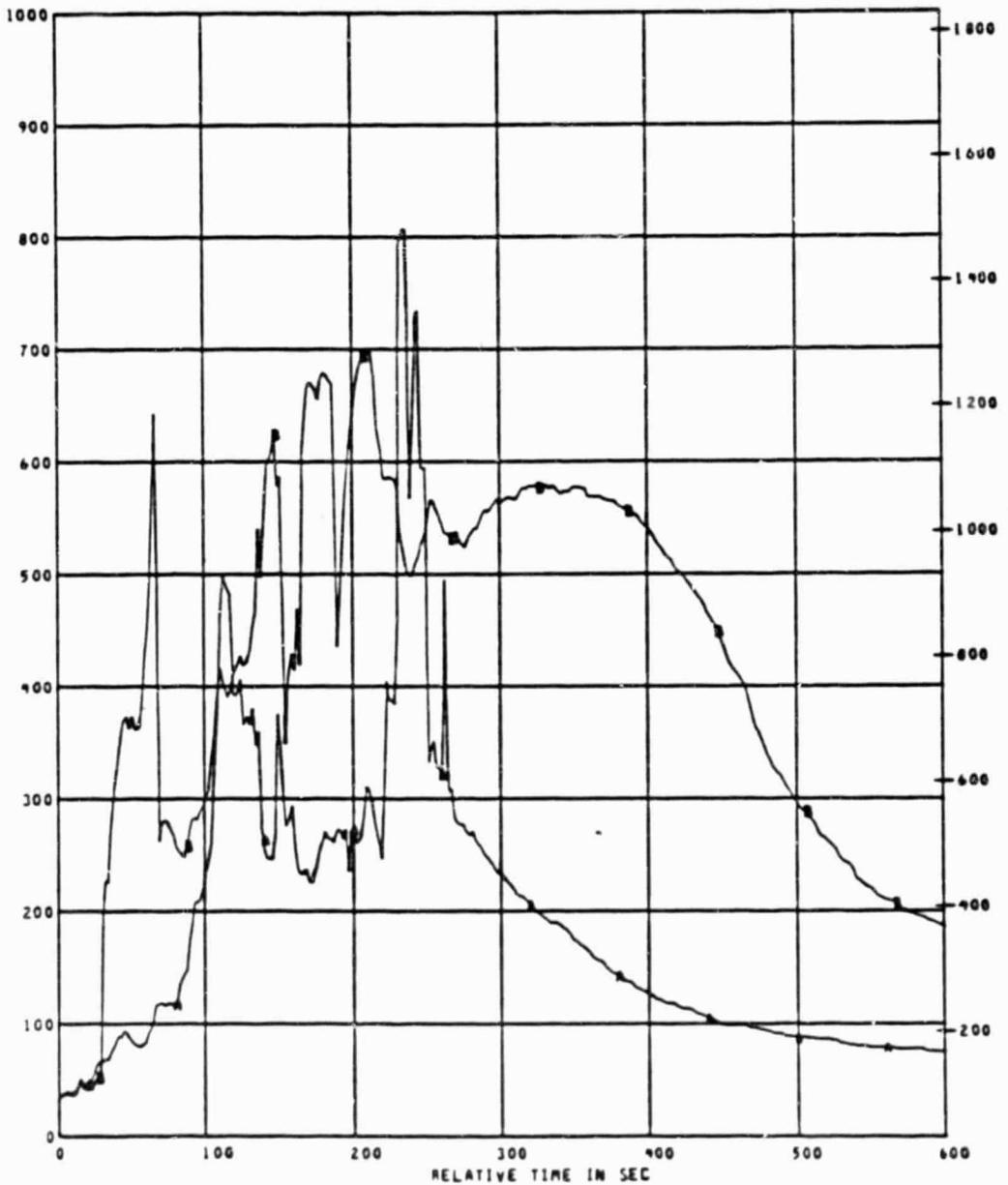


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
1 TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 09 51 40.000

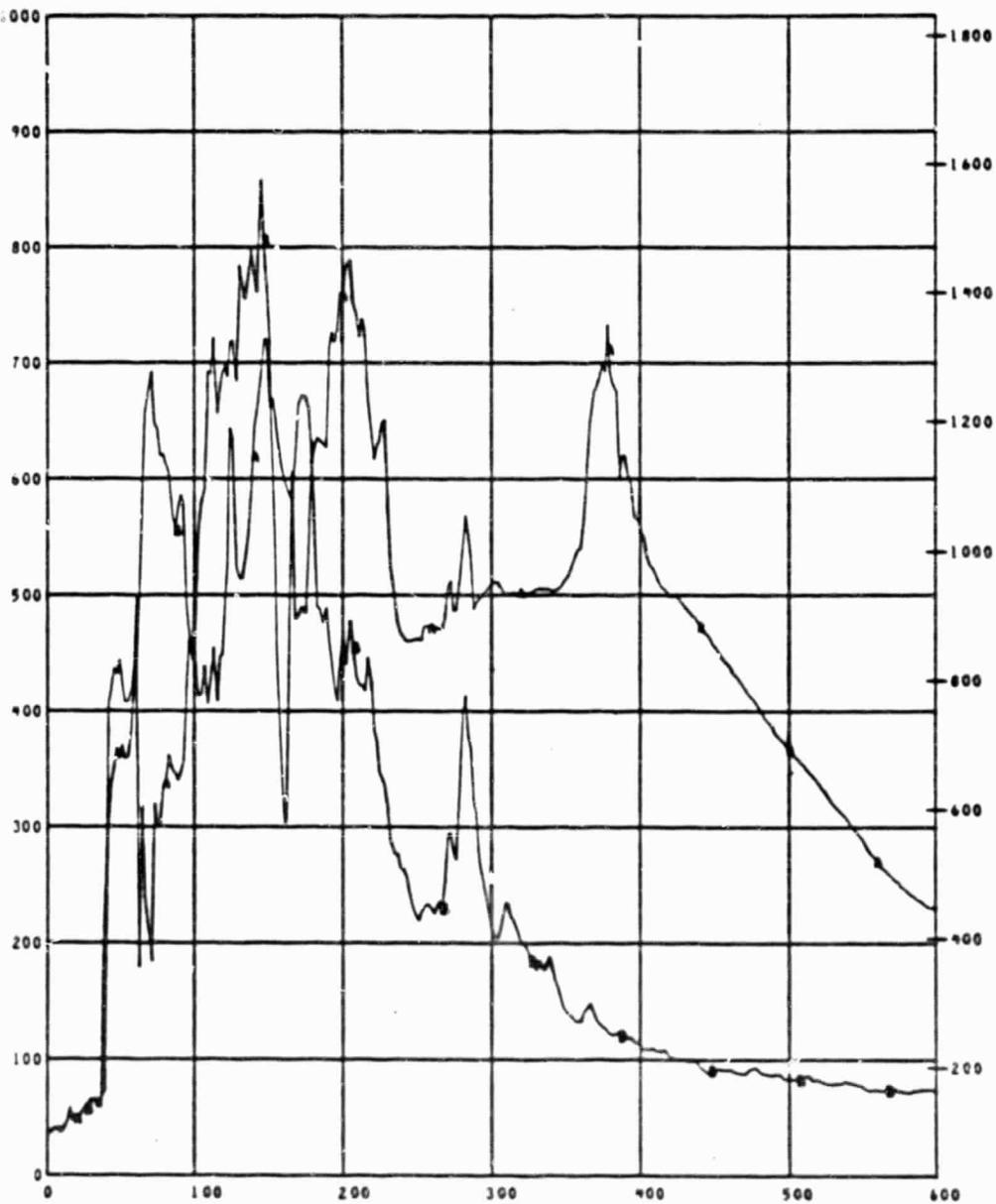


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC2	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 09 51 40.000

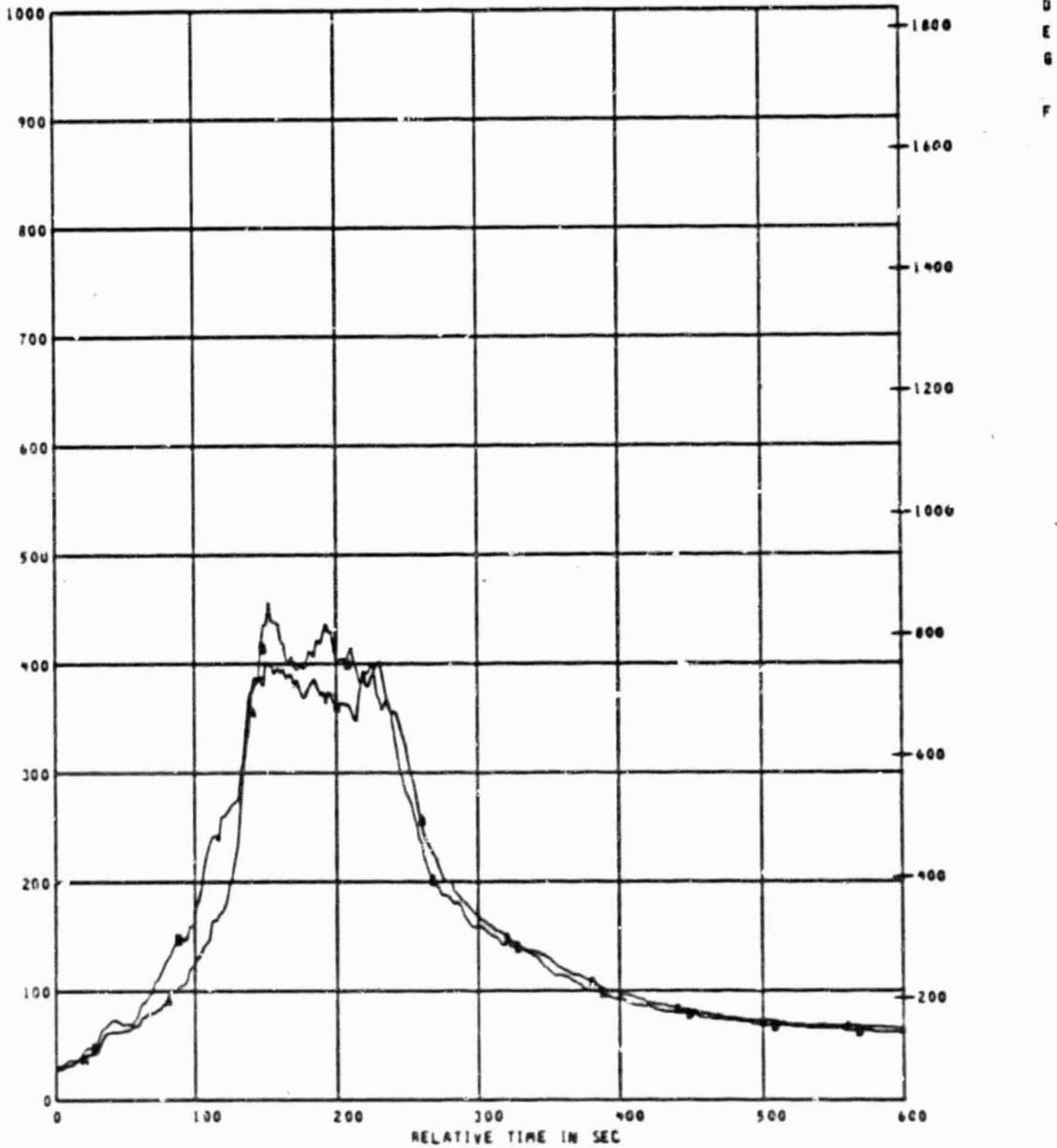


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AR

TEST ID MAS18

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 09 51 40.000

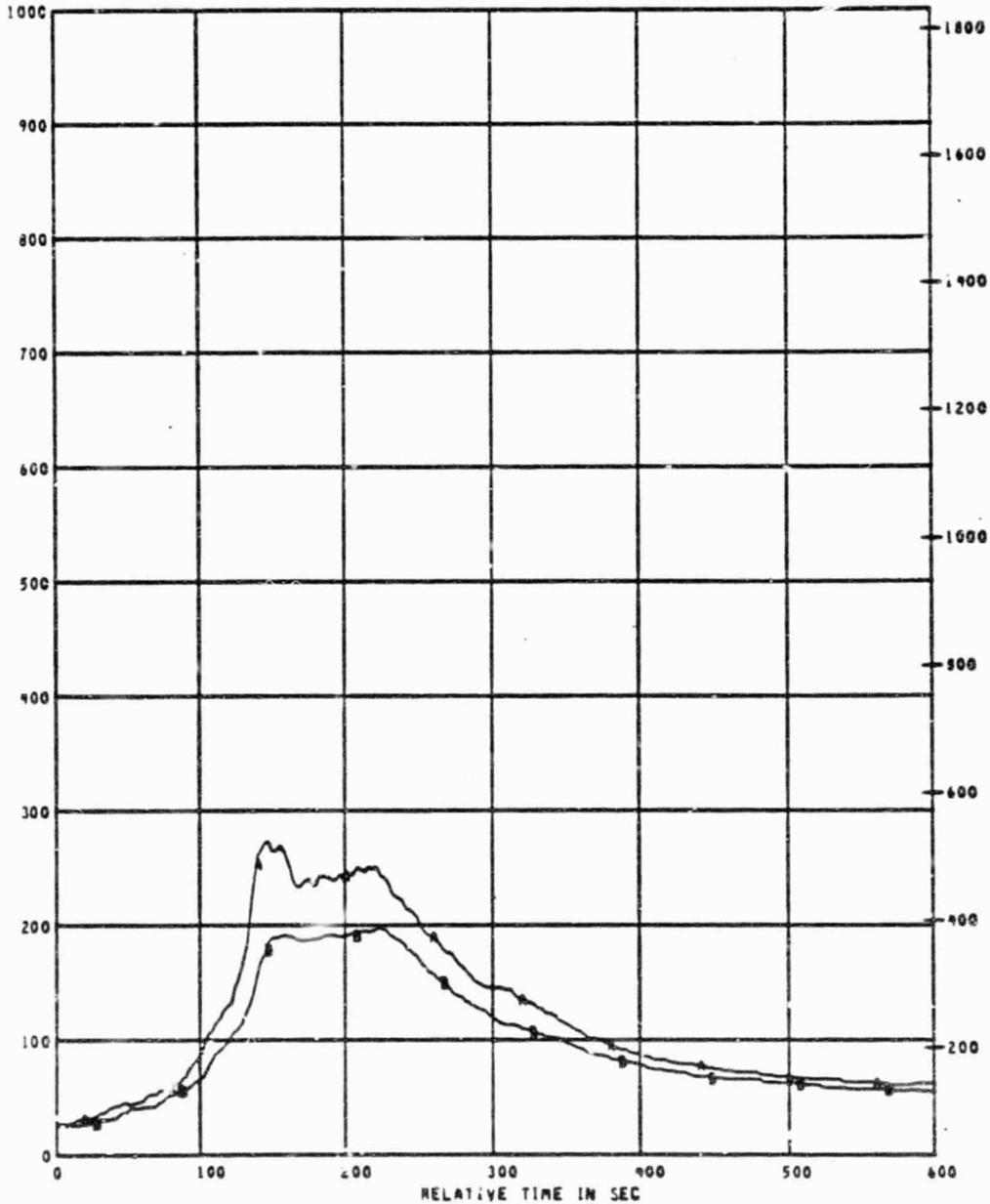


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
* TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 09 51 40.000



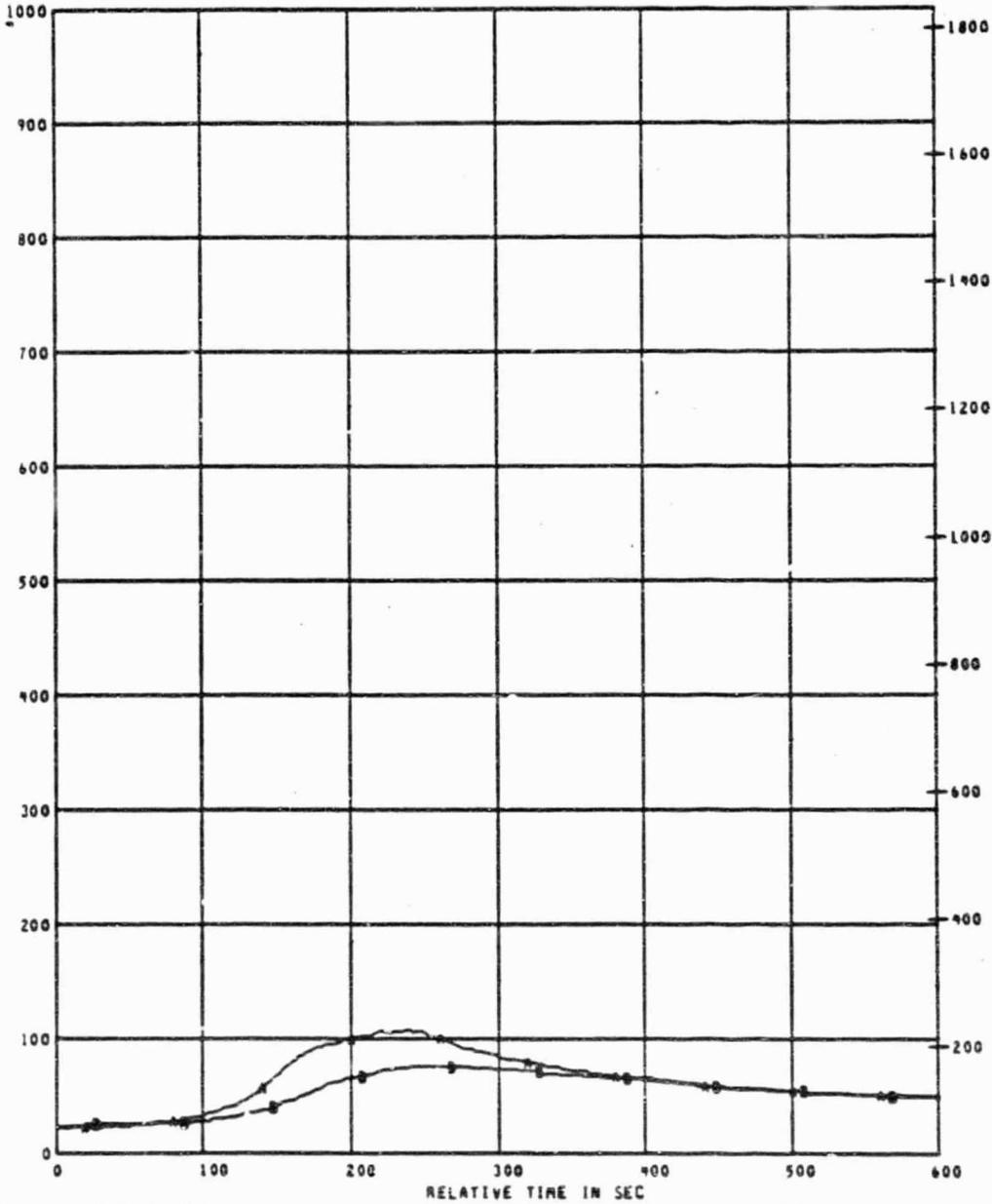
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
* TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 09 51 40.000



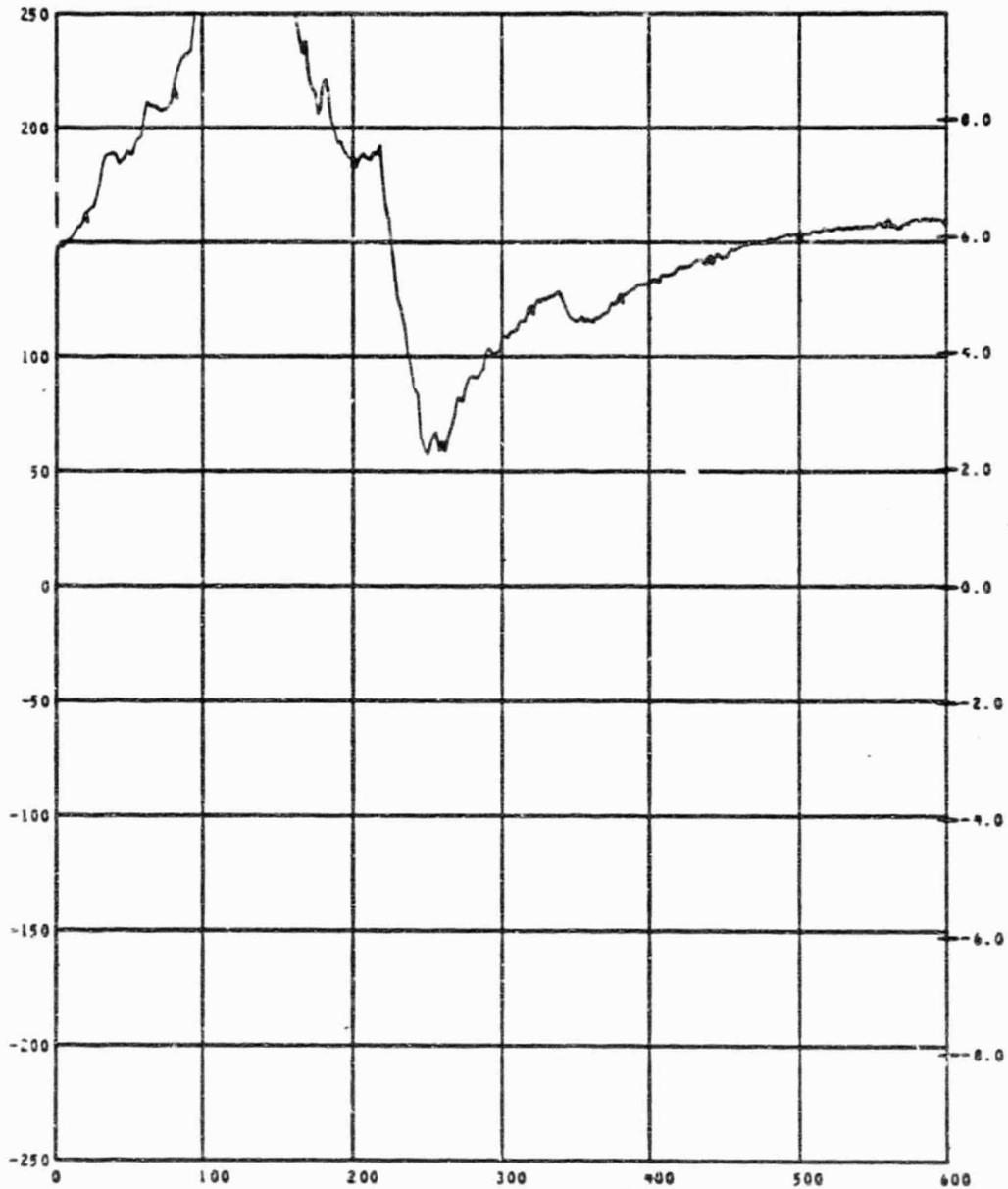
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MEAS. NUMBER	CHANNEL ASGR.	TITLE	RANGE	UNITS	GRID-SYM
1 TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
2 TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 09 51 40.000



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MEAS. NUMBER  
5 OPC

CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

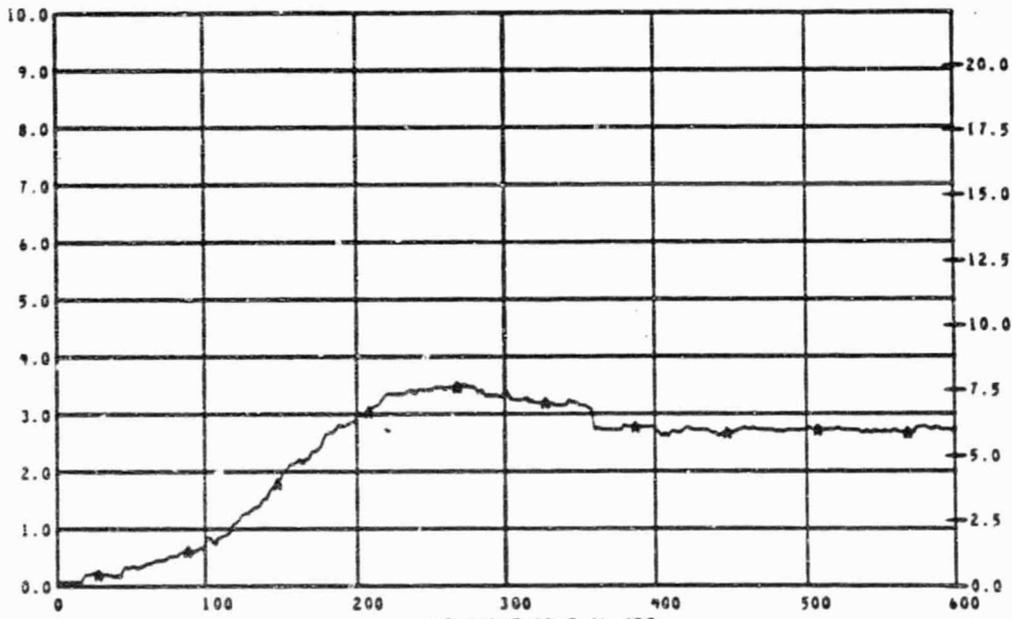
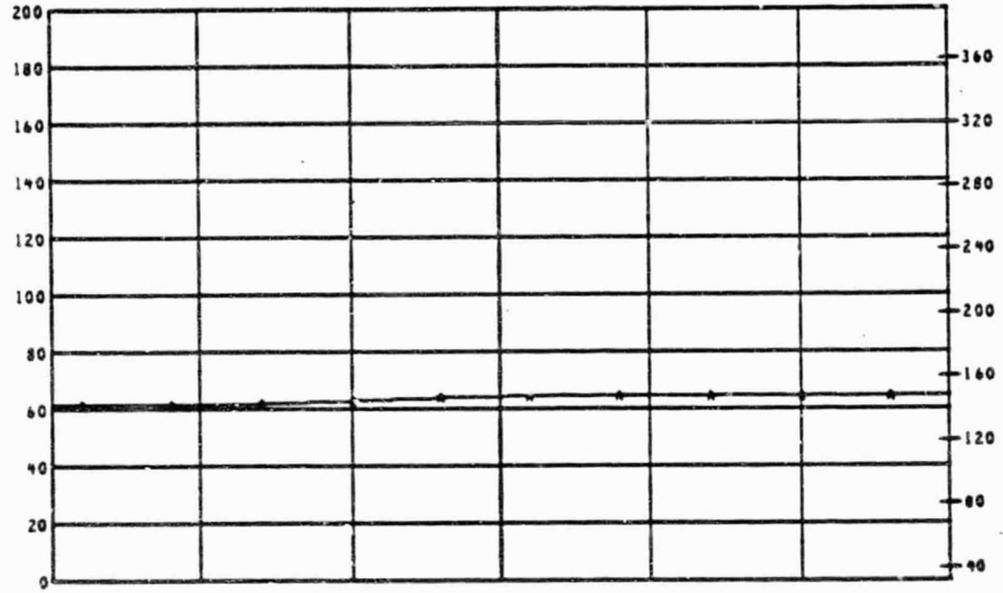
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H20 HA

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 09 51 40.000

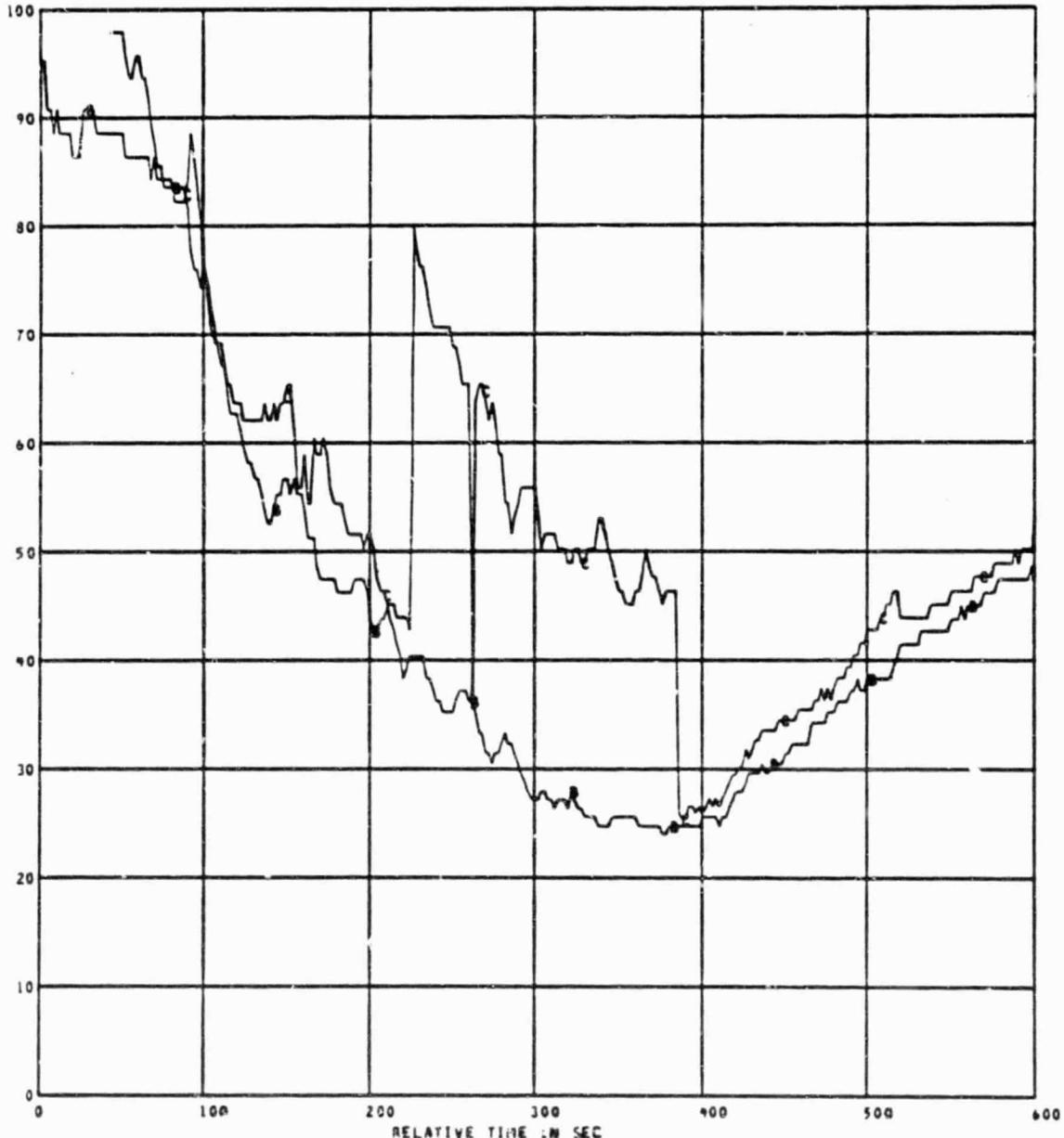


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
8 WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 14 08 03.000

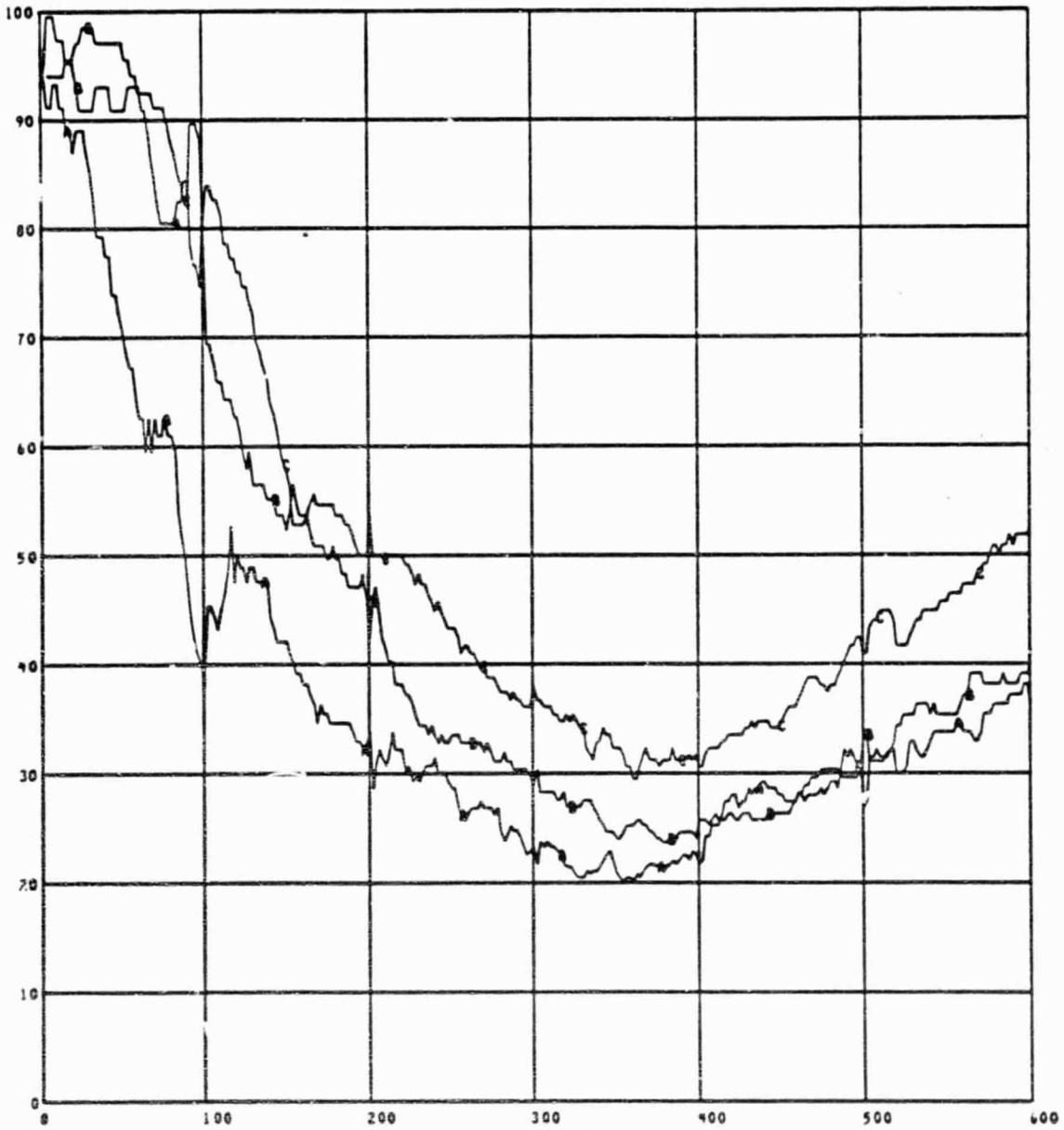


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 14 08 03.000

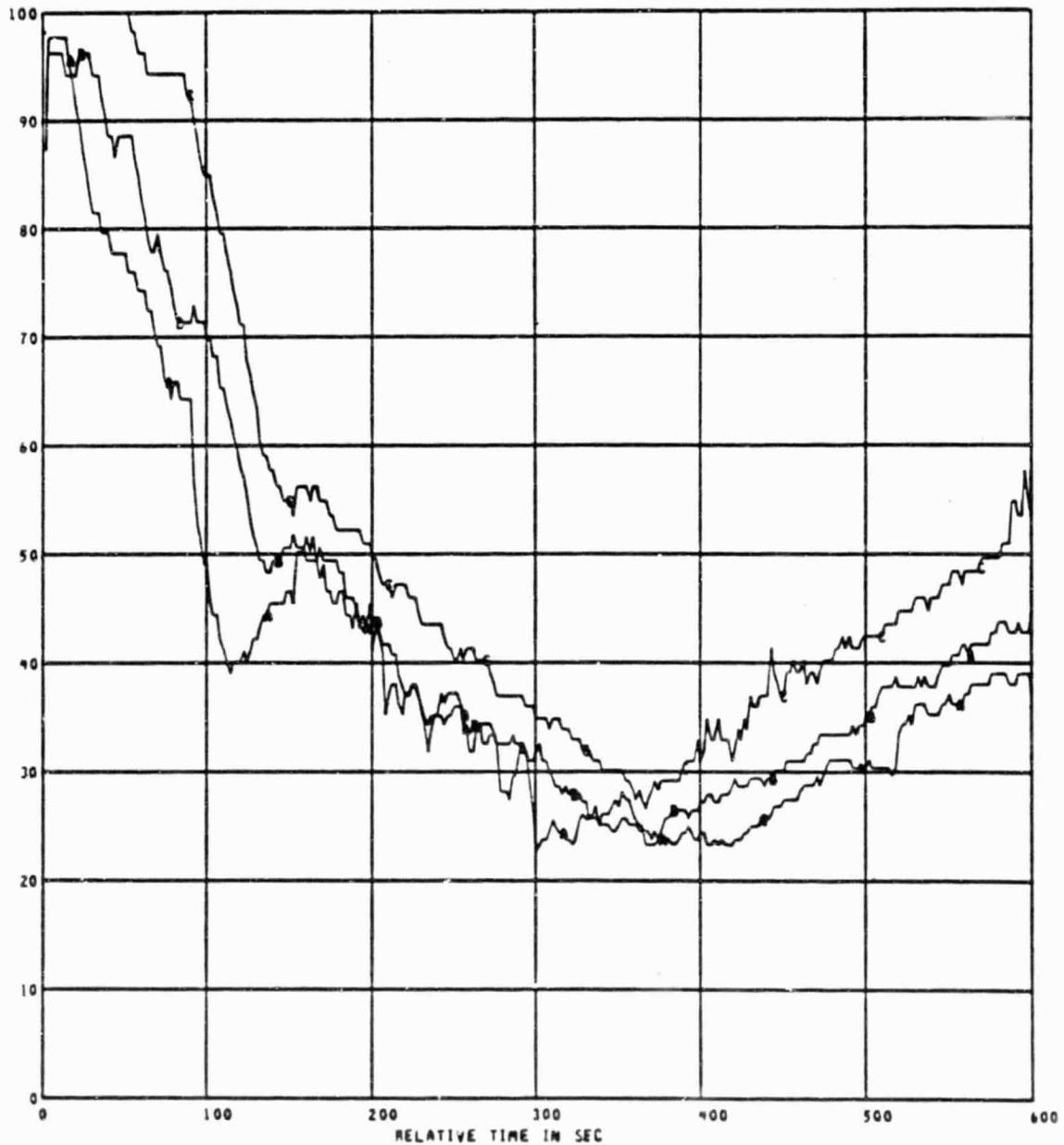


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTORETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTORETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTORETER-MIDDLE BOTTON	0 TO 100	PCT	AC

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 14 08 03.000

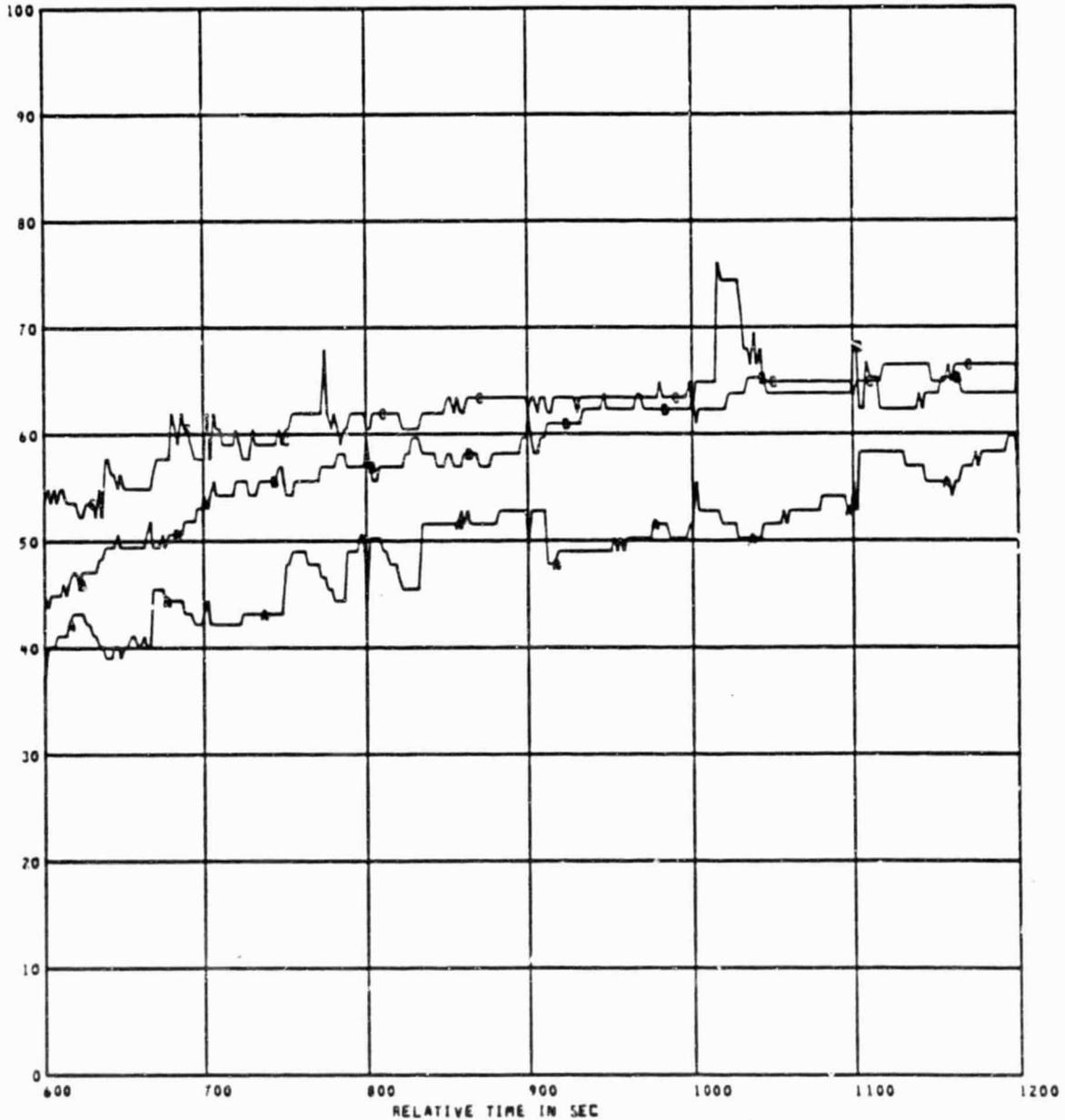


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTYOM	0 TO 100	PCT	AC

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 3 - 2

REFERENCE TIME 14 08 03.000

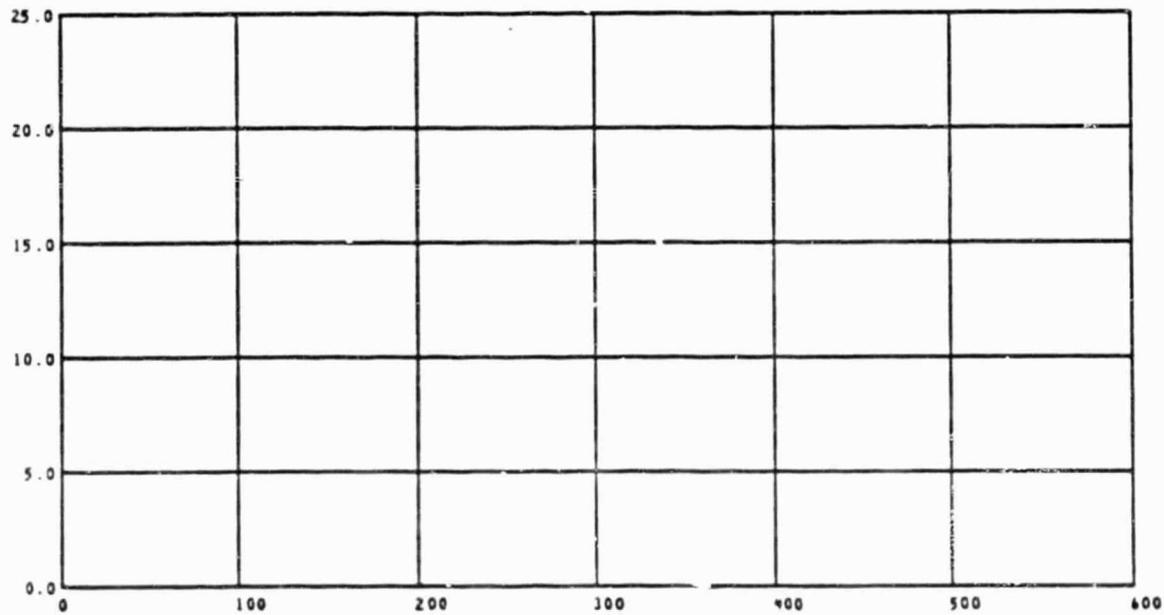
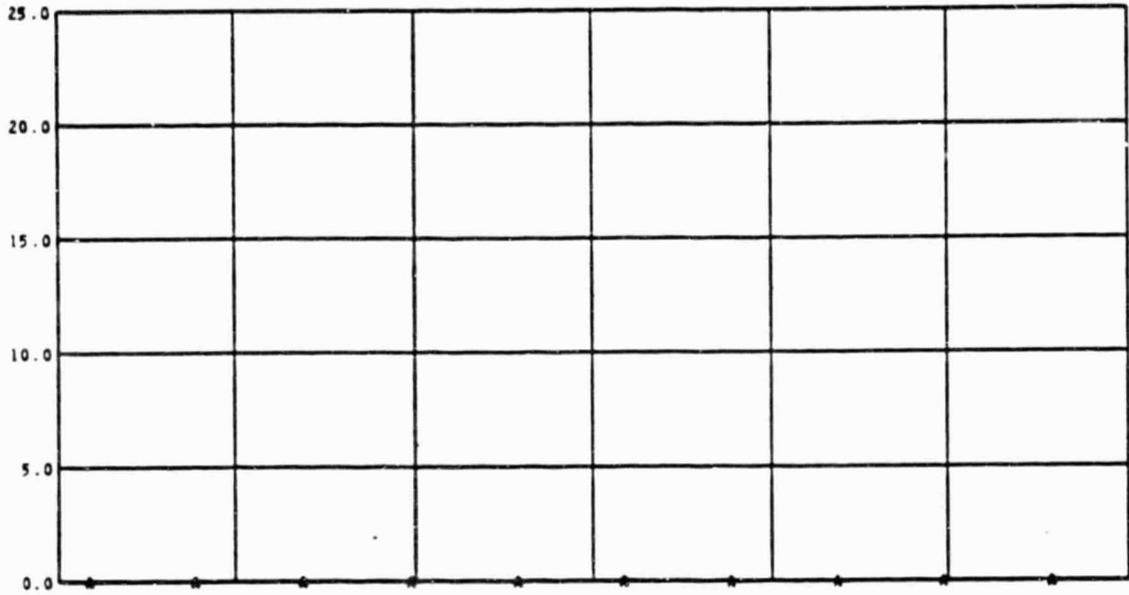


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 14 08 03.000

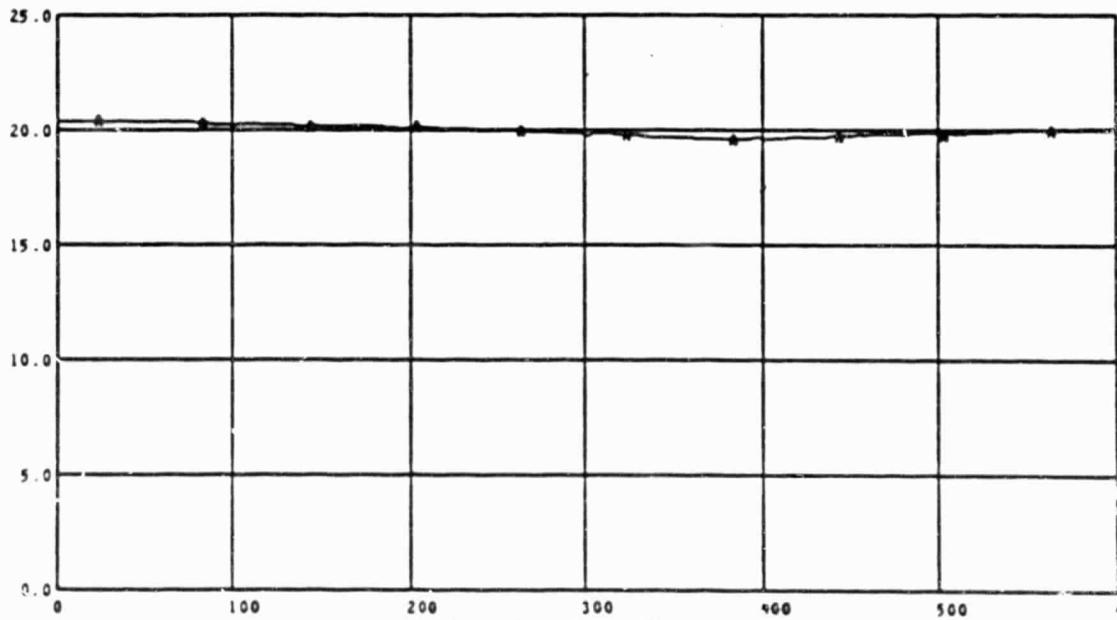
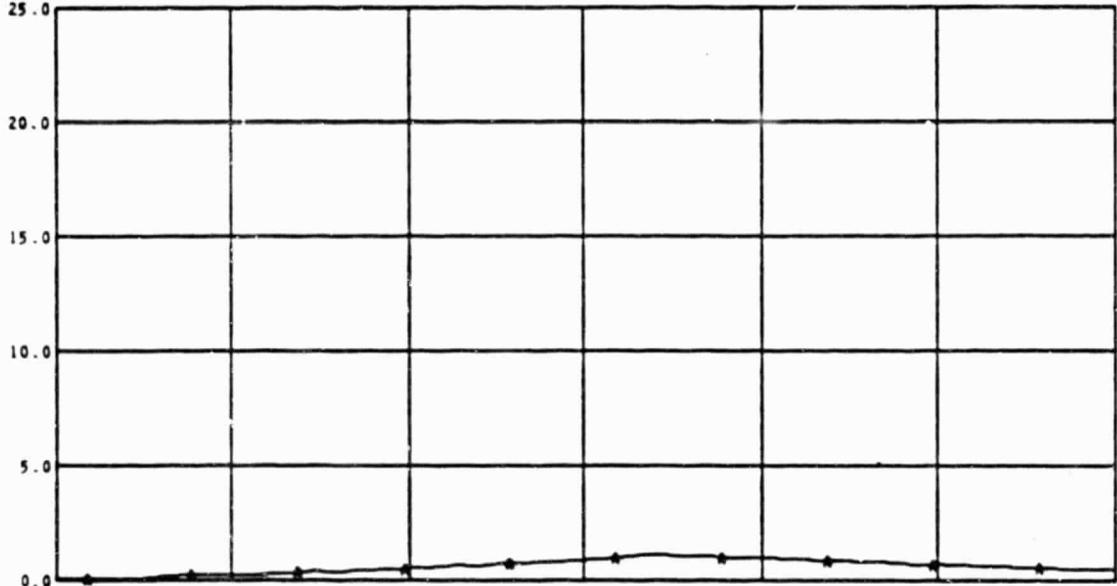


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHIE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS2B

SEAT TST-OCT 1980 PLGT NO 5 - 1

REFERENCE TIME 14 08 03.000

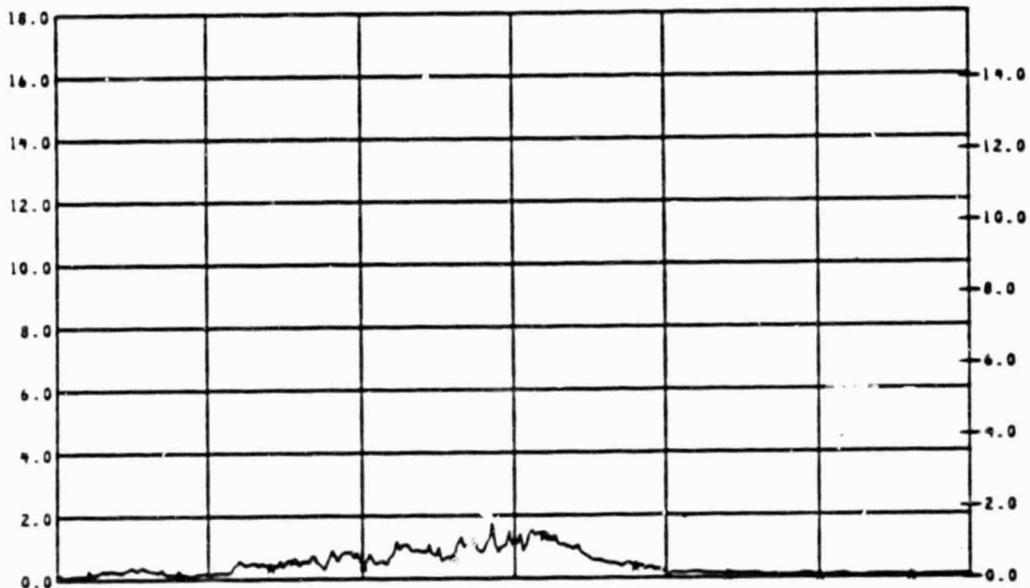


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

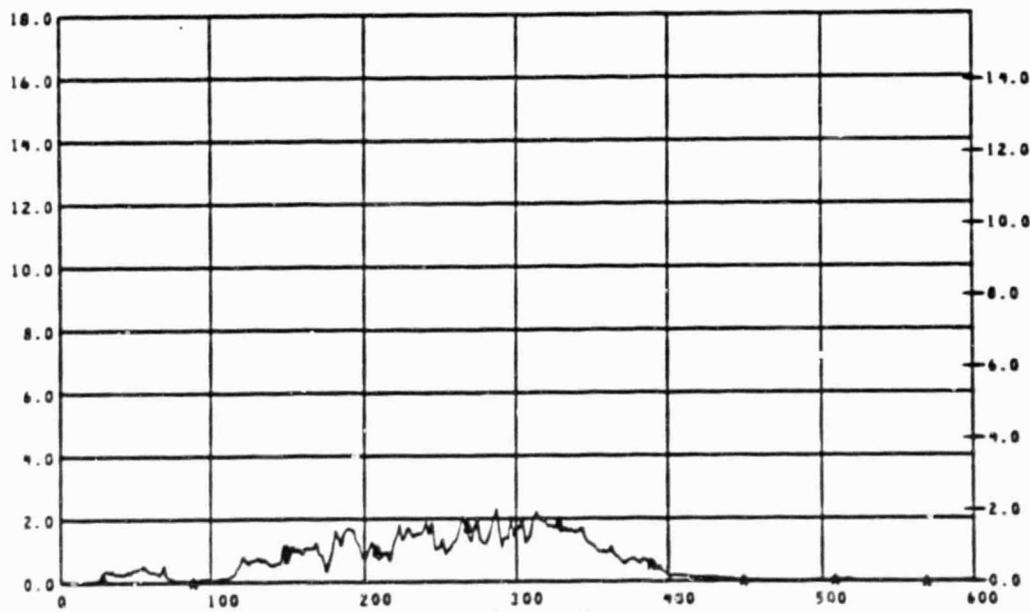
TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 14 08 03.000



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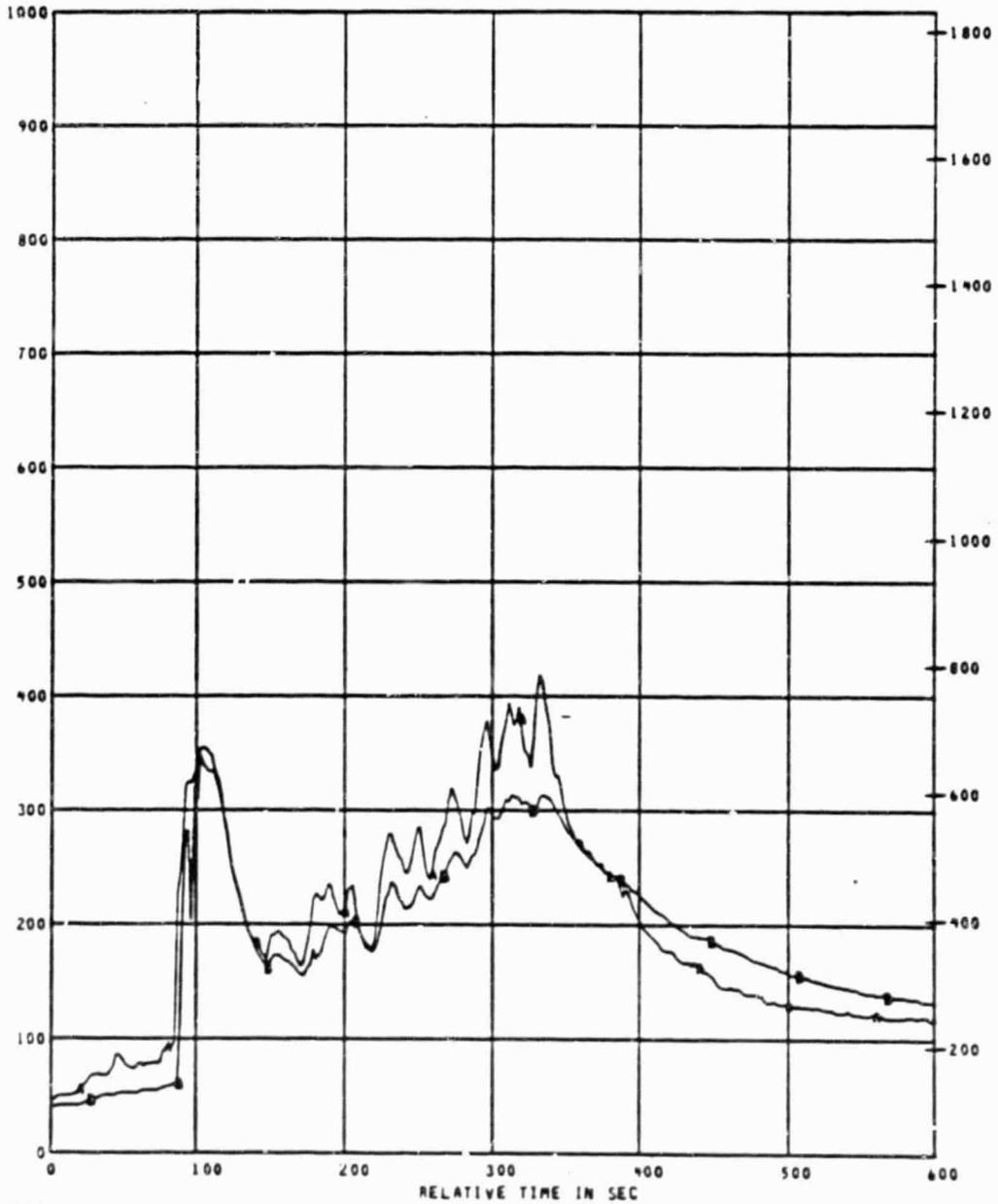
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
* CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
* CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 14 08 03.000

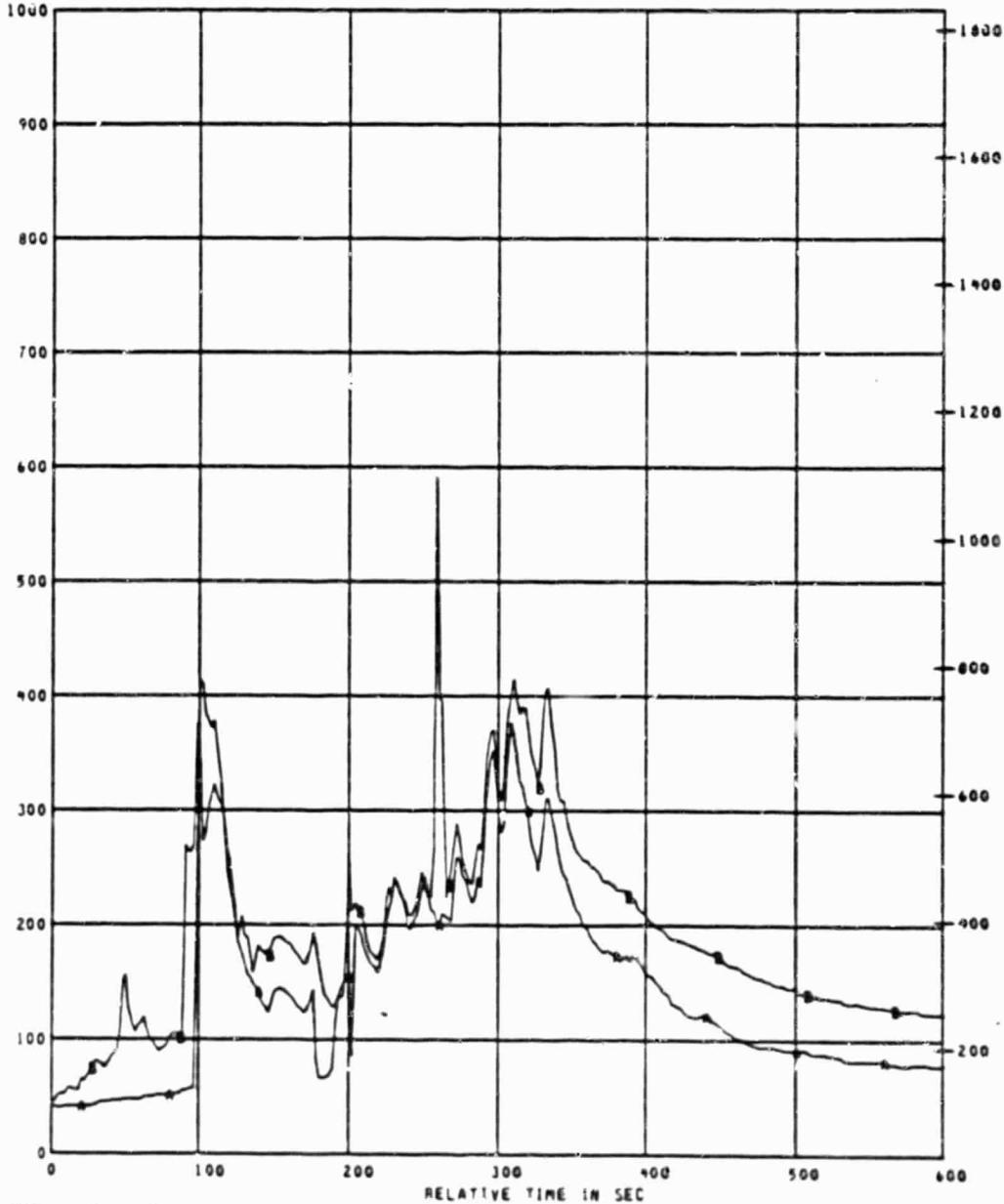


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 14 08 03.000



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MEAS. NUMBER	CHANNEL ASGN.
1 TSL3	103
1 TSC1	104

TITLE  
TEMP-SEAT LEFT REAR  
TEMP-SEAT CENTER FRONT

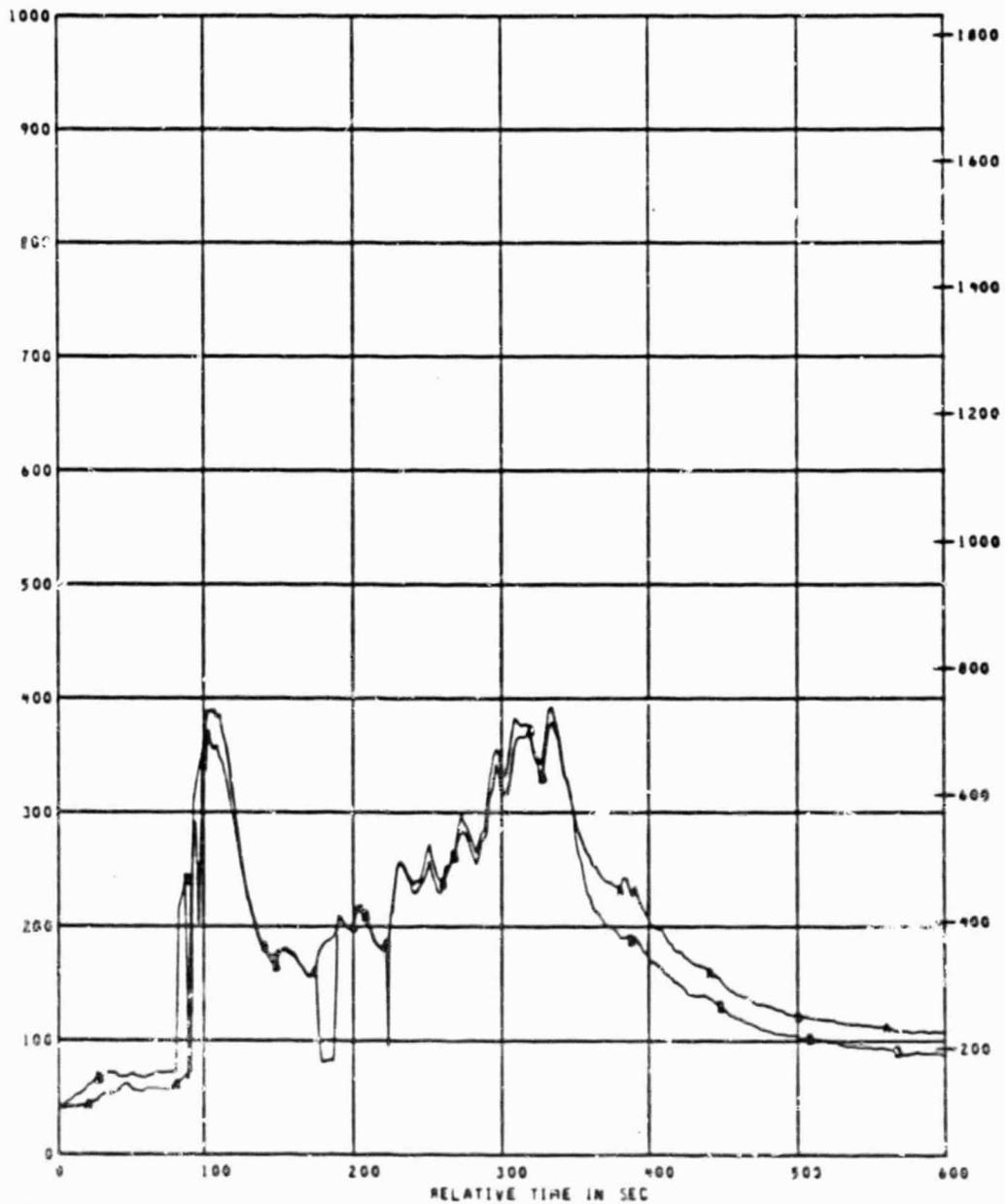
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 0 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER  
\* TSC2  
\* TSC3

CHANNEL ASGN.  
105  
106

TITLE  
TEMP-SEAT CENTER MIDDLE  
TEMP-SEAT CENTER REAR

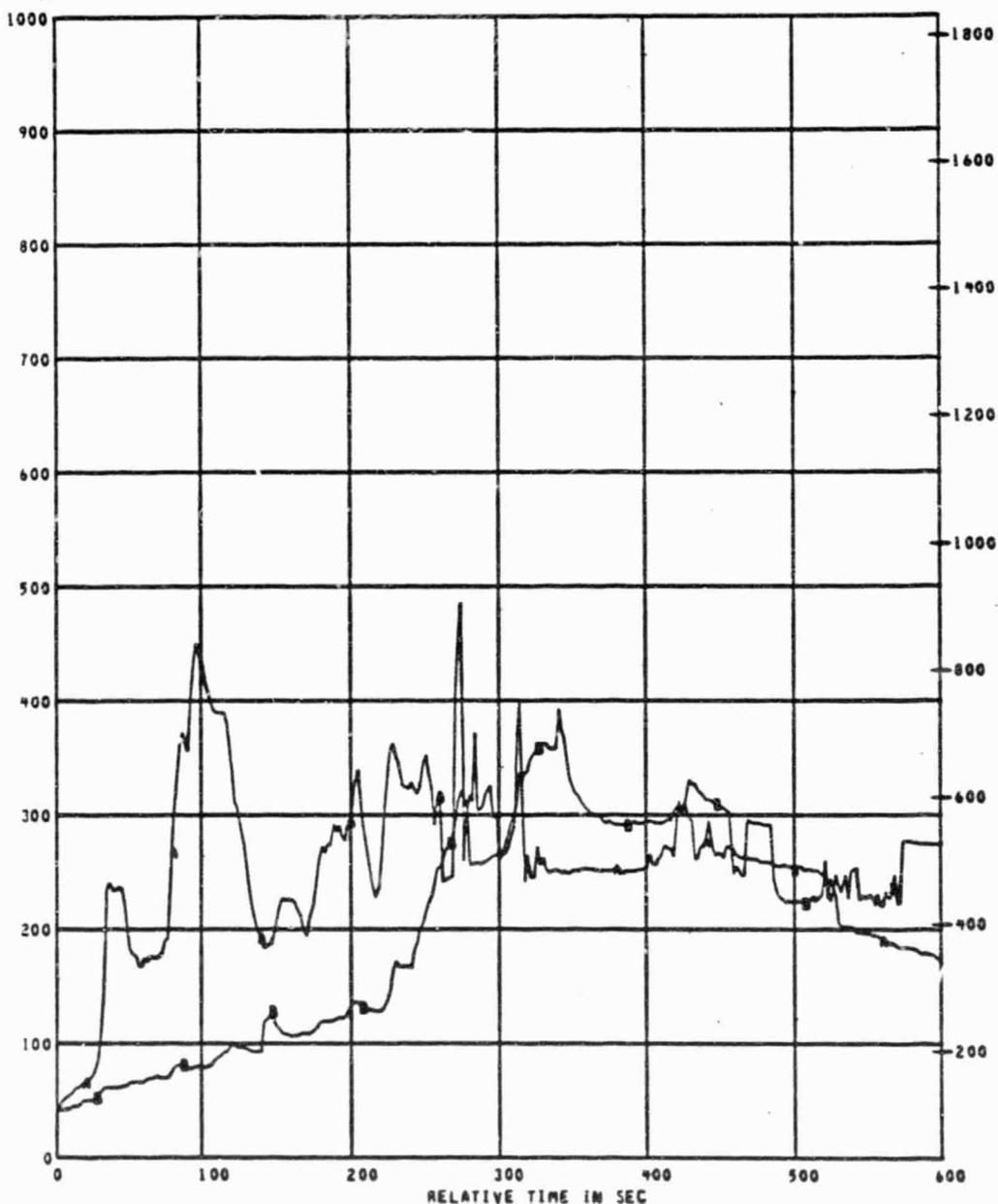
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C 1A  
DEG C AB

TEST ID NAS2B

SEAV TST-OCY 1980 PLOT NO 10 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER  
# TSR1  
# TSR2

CHANNEL ASEM.  
107  
108

TITLE  
TEMP-SEAT RIGHT FRONT  
TEMP-SEAT RIGHT MIDDLE

RANGE  
0 TO 1000  
0 TO 1000

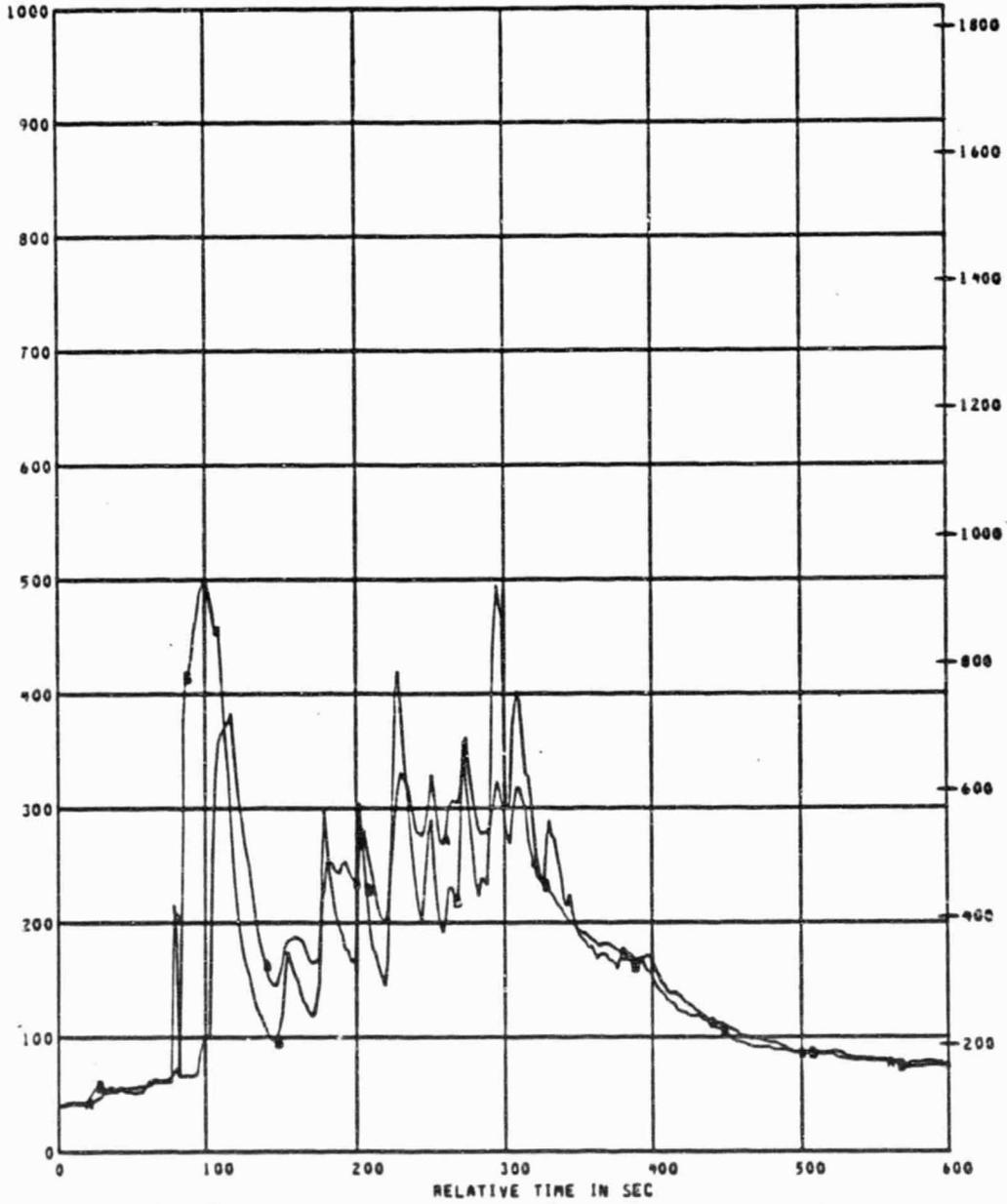
UNITS GRID-SYM  
DEG C AA  
DEG C AB

-3

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 14 08 03.000



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MEAS. NUMBER  
\* TSR3  
\* TBL1

CHANNEL ASGN.  
109  
110

TITLE  
TEMP-SEAT RIGHT REAR  
TEMP-BACK LEFT BOTTOM

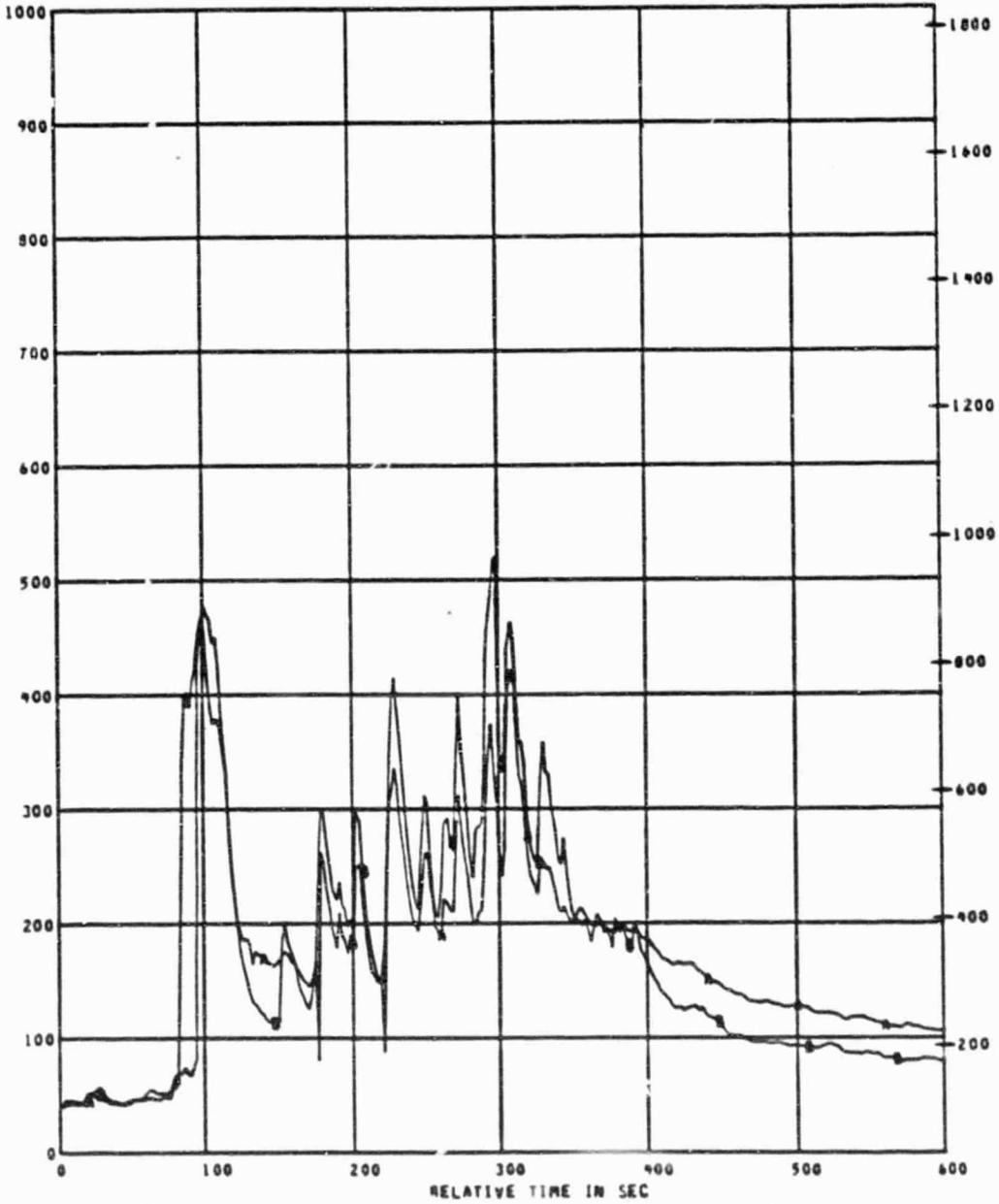
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 14 08 03.000



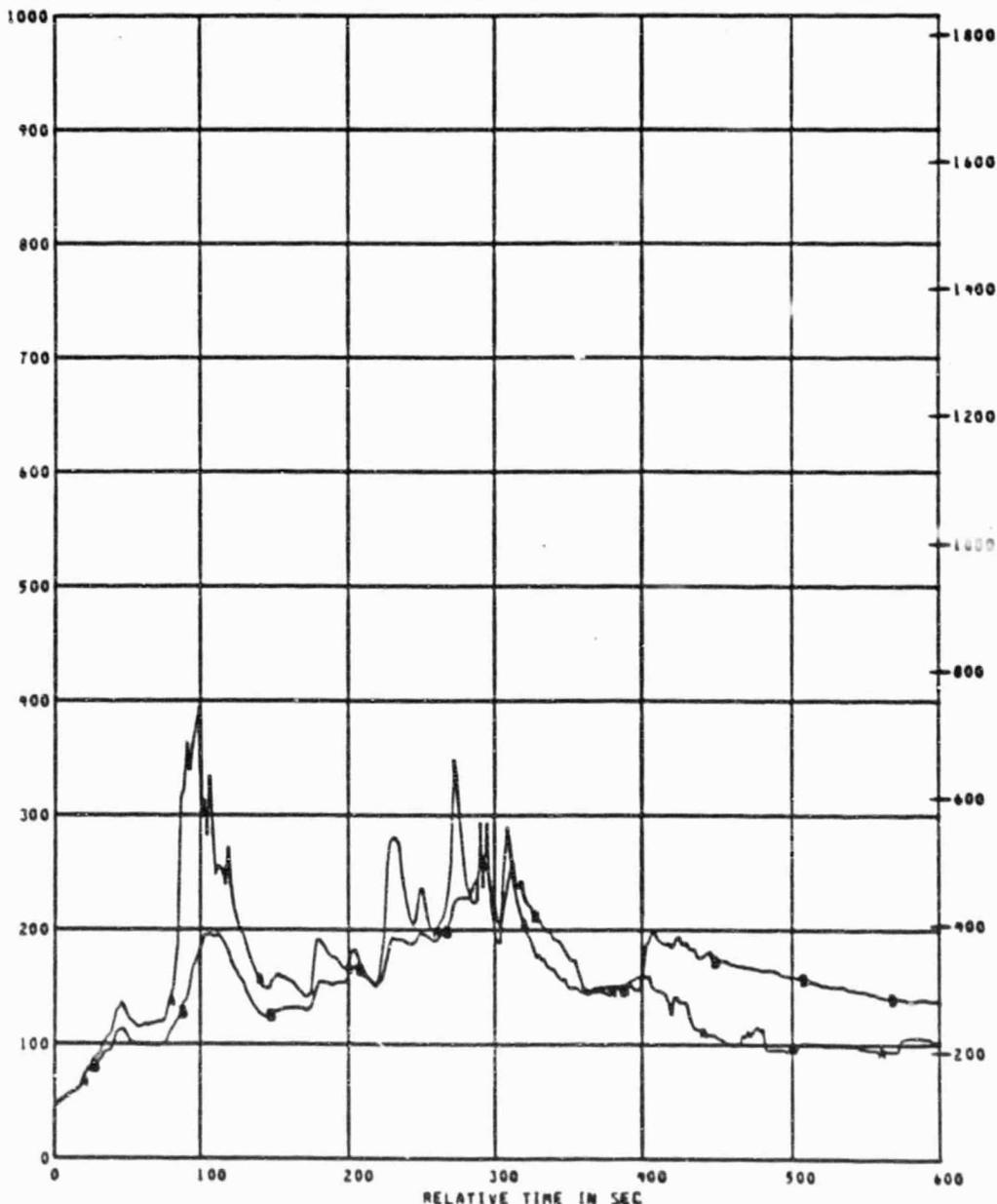
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
1 TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST 10 NAS2B

SEAT T5T-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 14 08 03.000



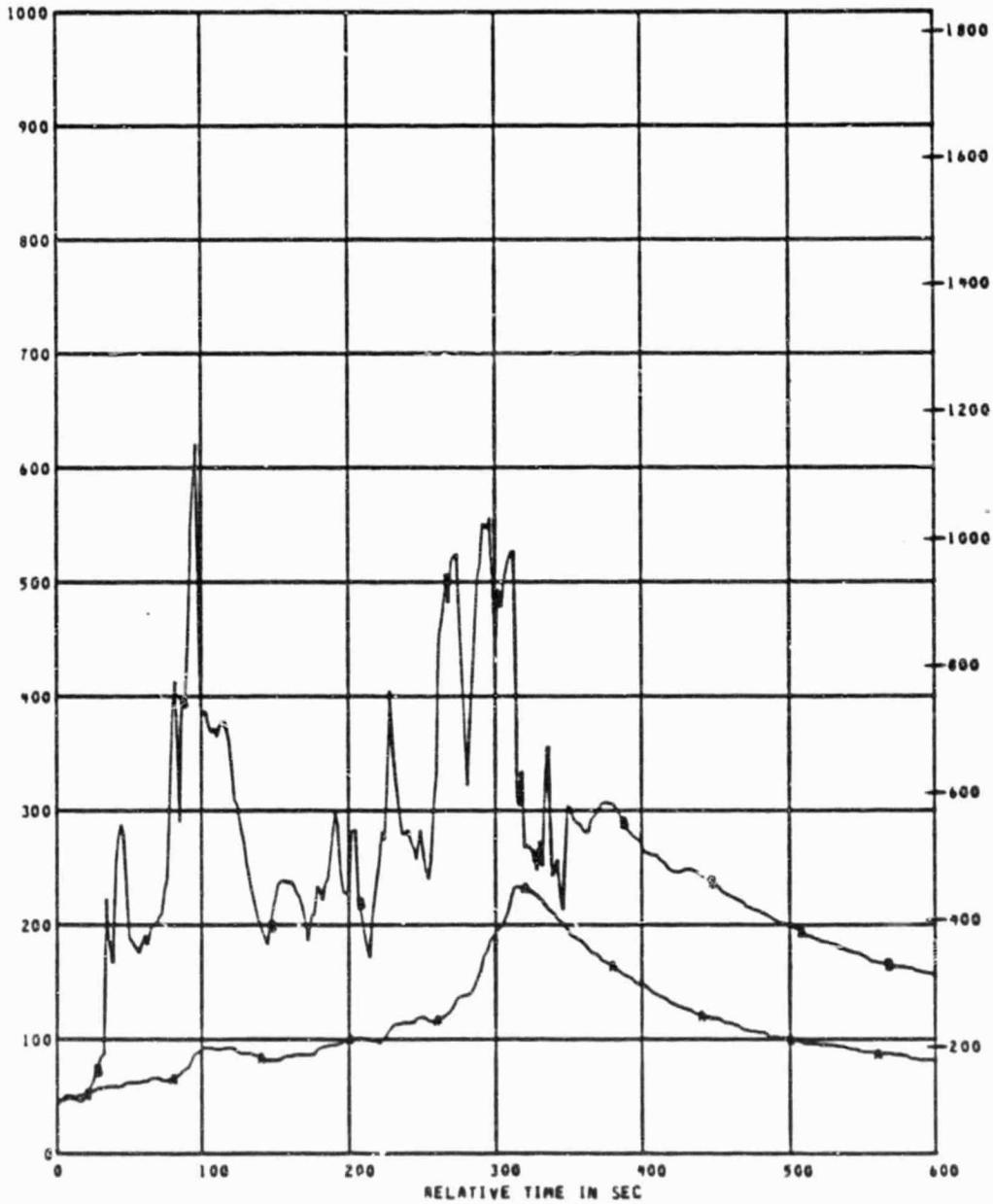
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC1	113	TEMP JACK CENTER BOTTOM	0 TO 1000	DEG C	AA
* TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 14 08 03.000



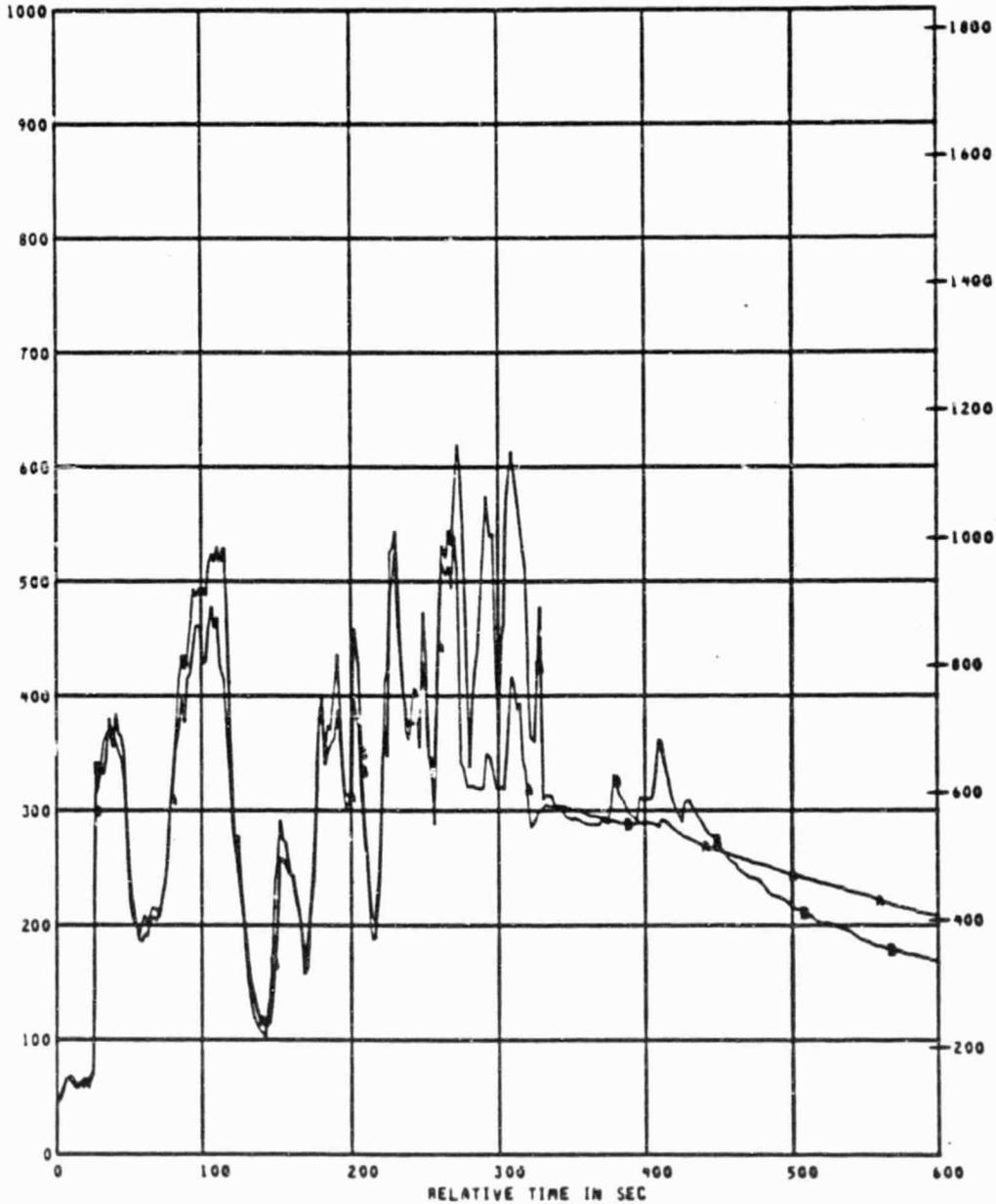
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBCJ	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER  
\$ TBR2  
\$ TBR3

CHANNEL ASGN.  
117  
118

TITLE  
TEMP-BACK RIGHT MIDDLE  
TEMP-BACK RIGHT TOP

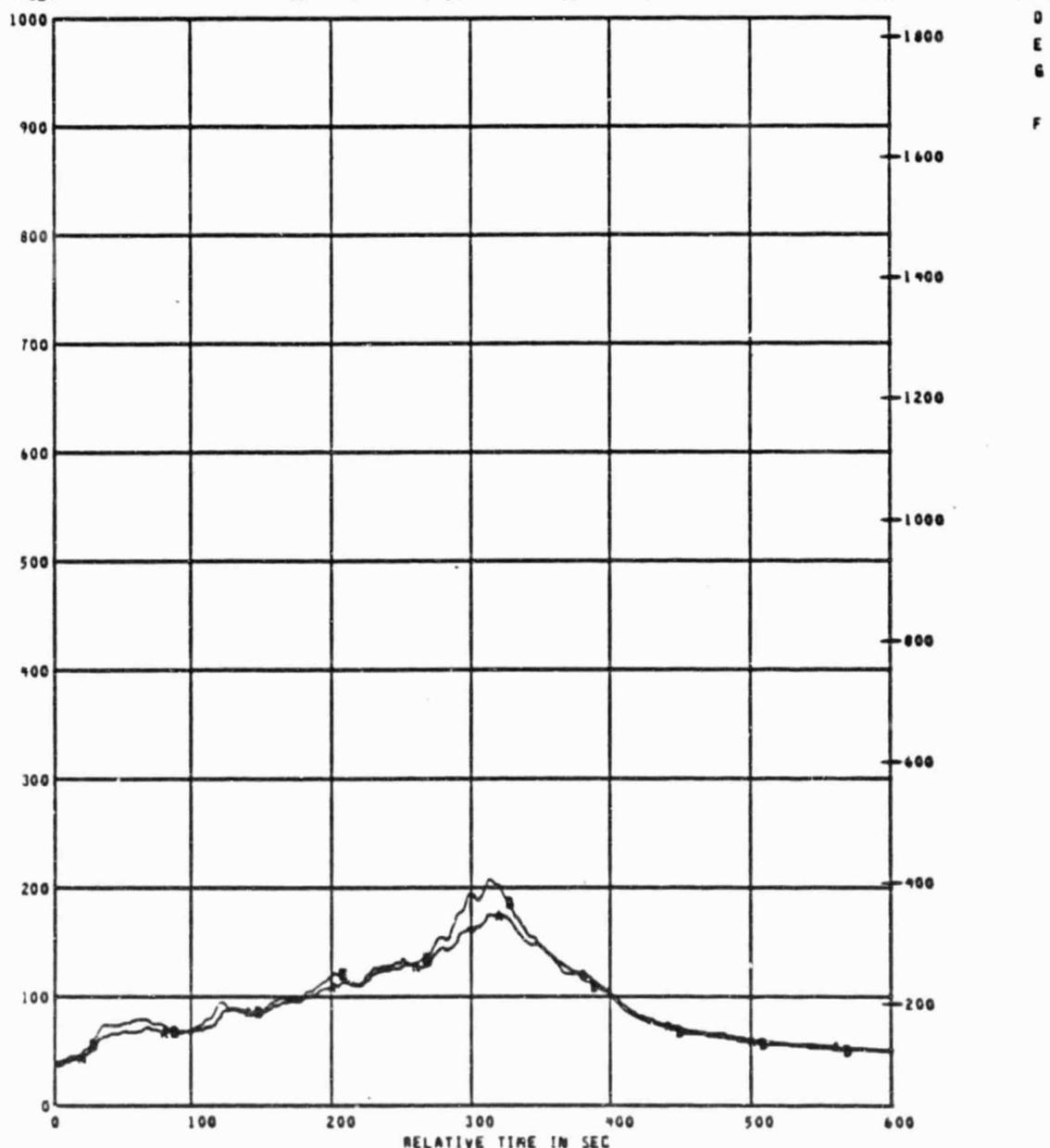
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID MAS2B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 14 08 03.000

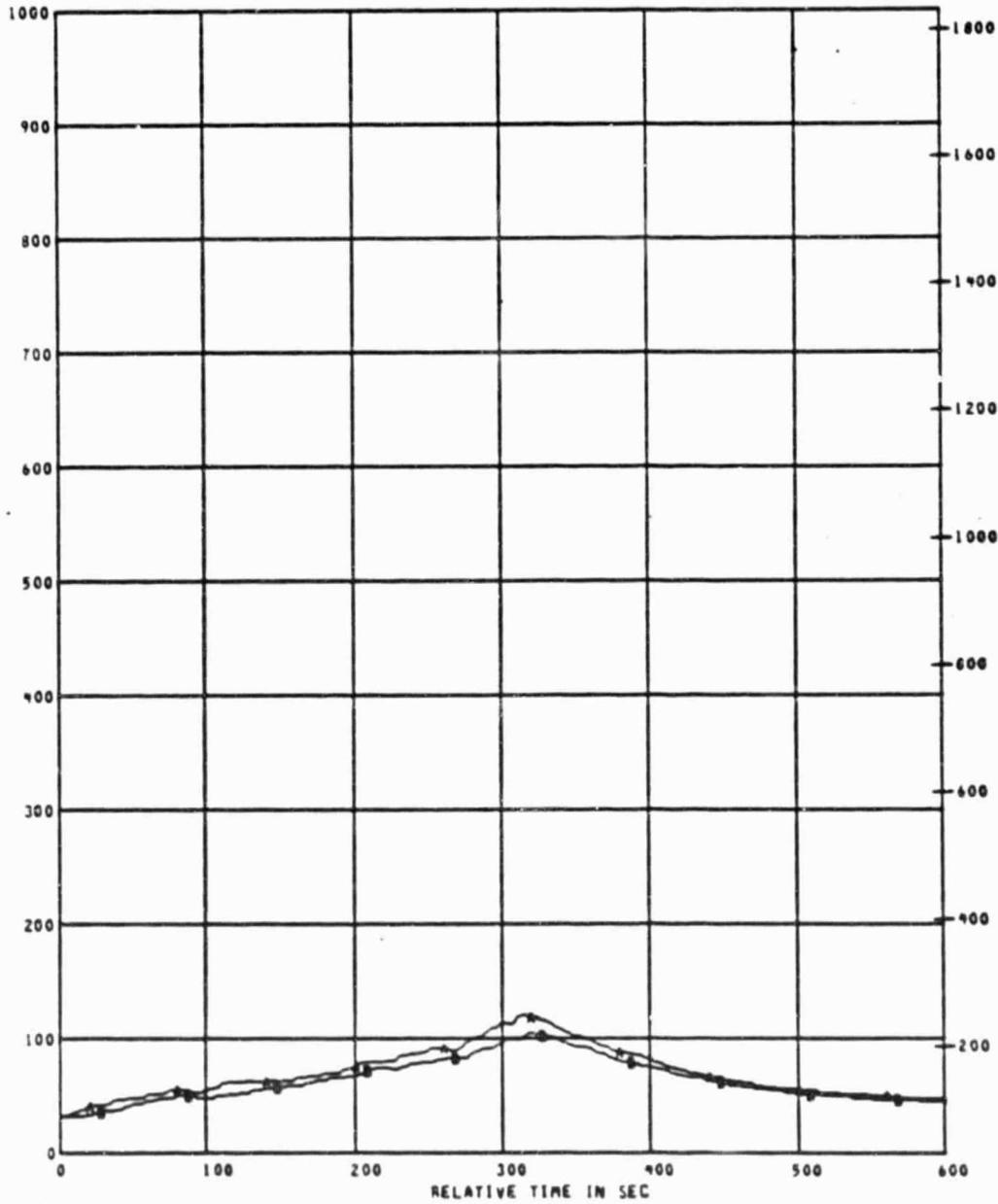


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
4 TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
4 TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS20

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 14 08 03.000

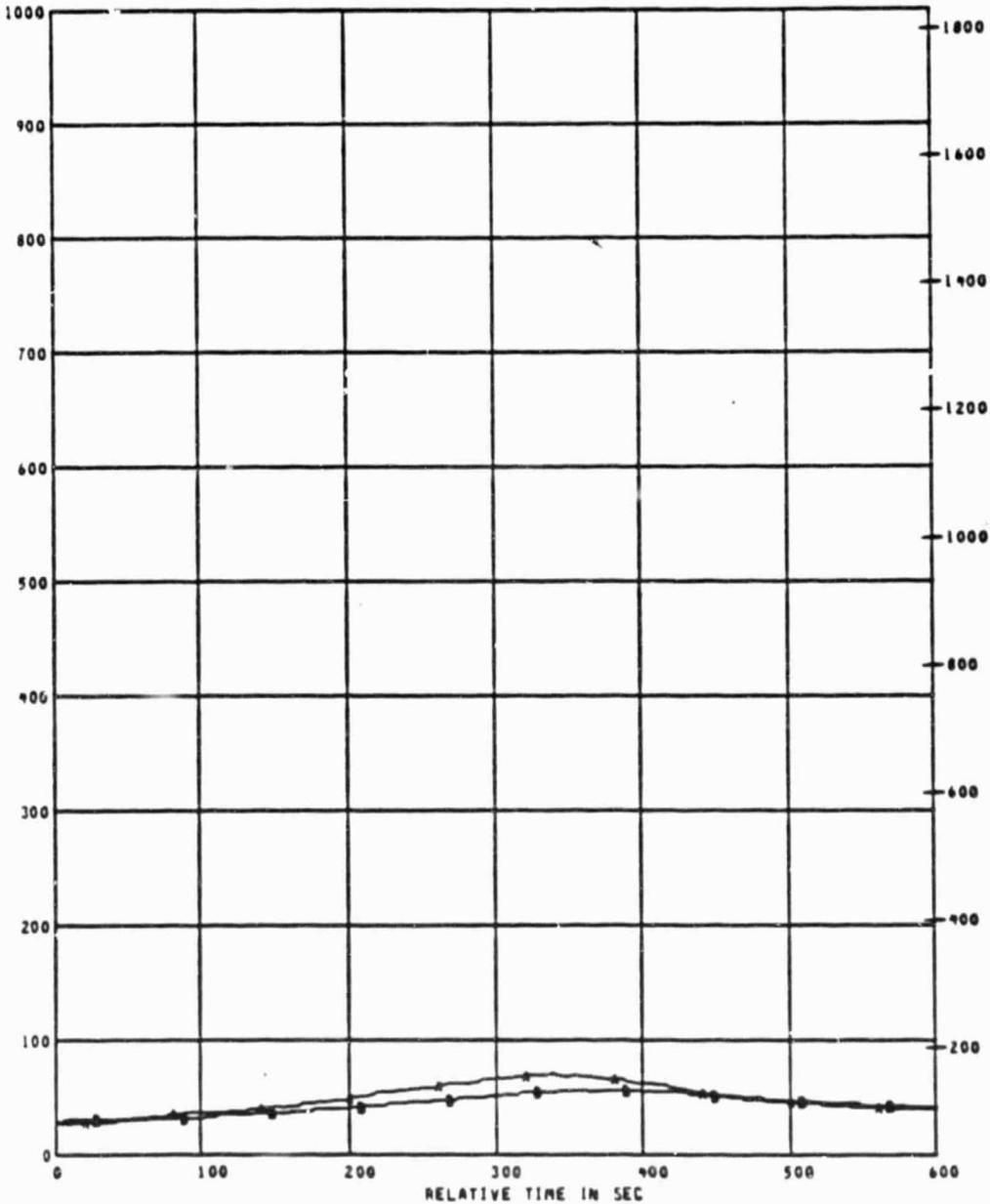


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
* TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 14 08 03.000

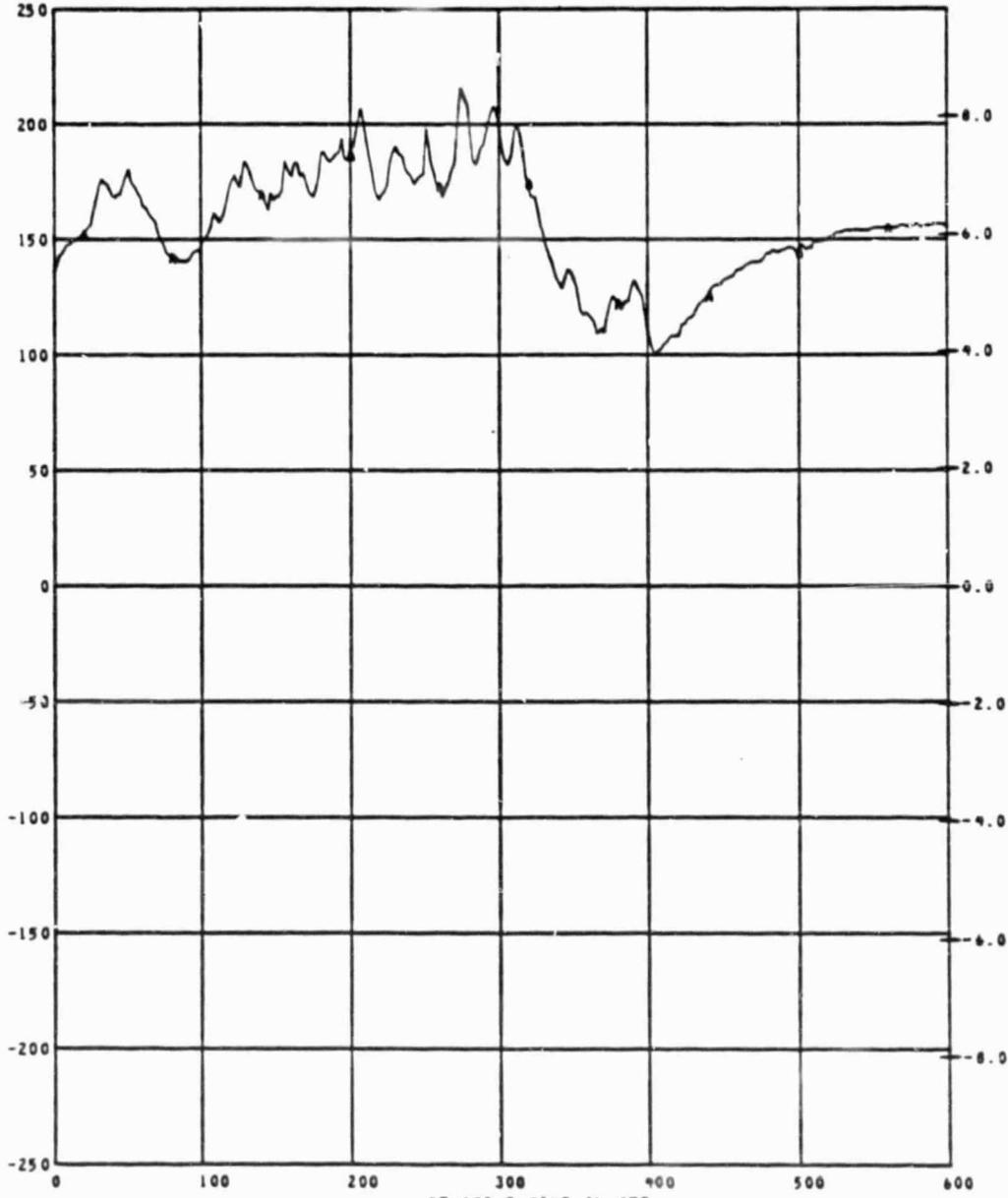


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
3 TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
4 TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 14 08 03.000



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MEAS. NUMBER  
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CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

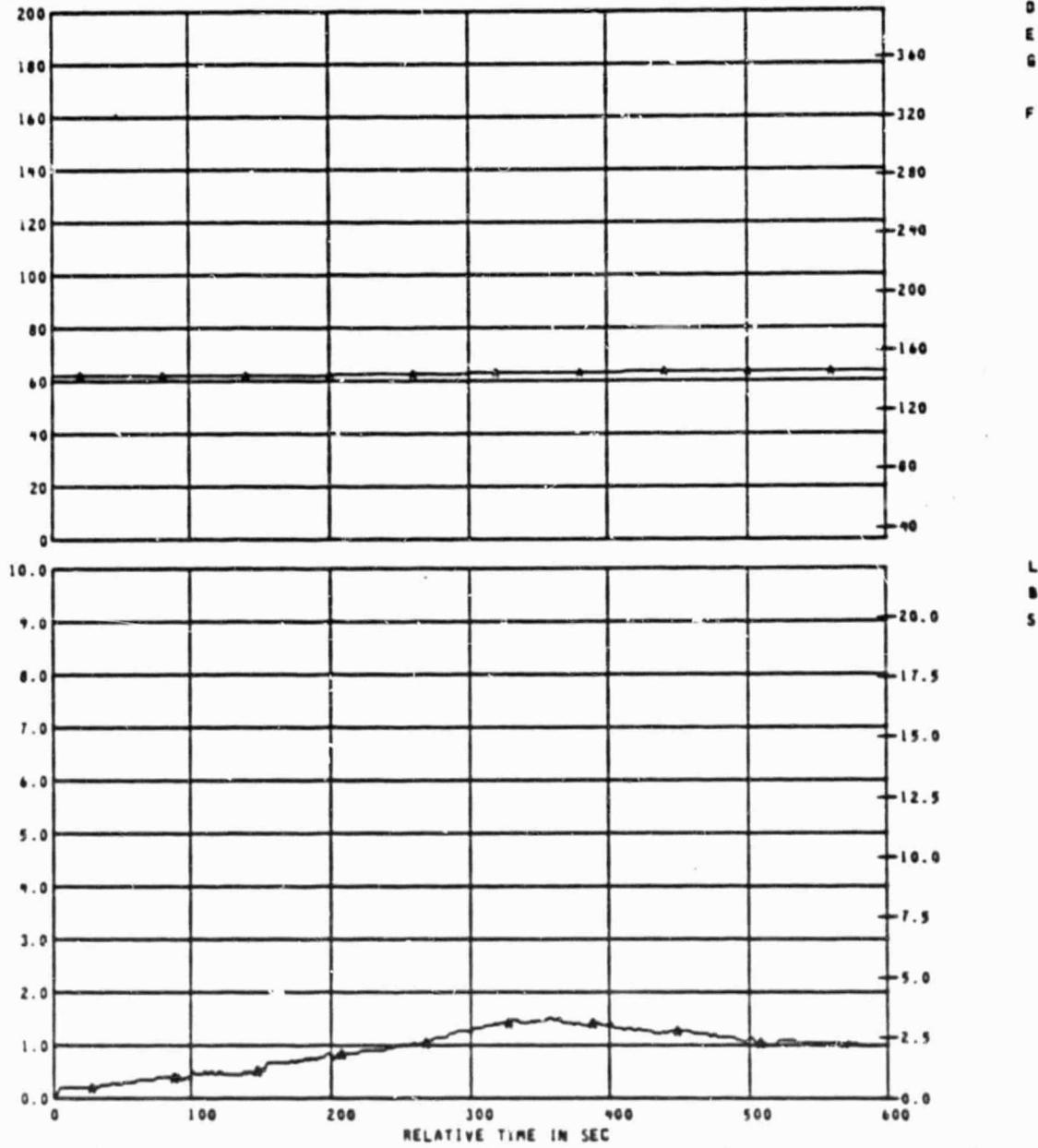
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H2O AA

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 14 08 03.000



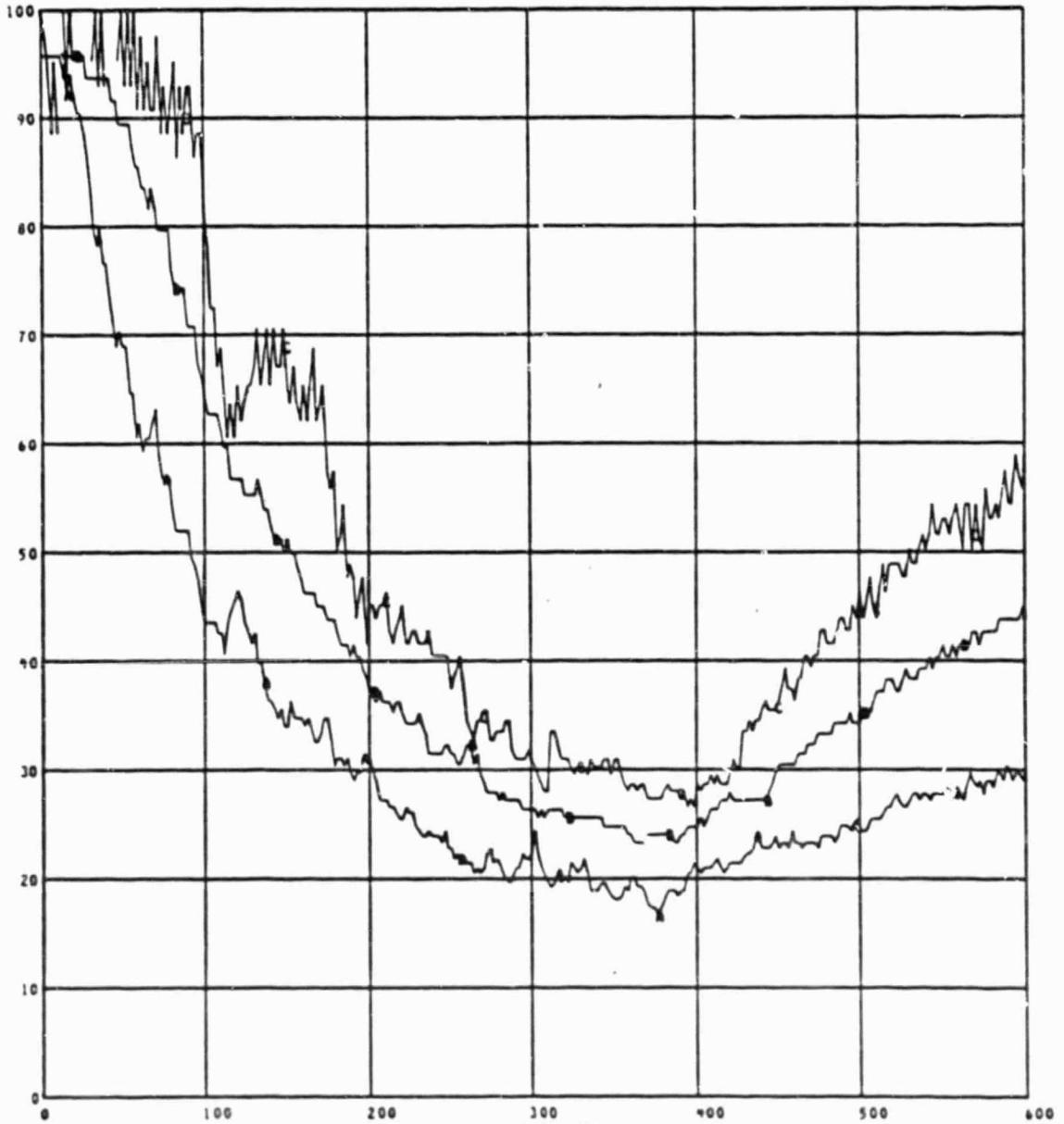
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
2 WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS3B

SEAT TST-OCT 1980 PLQT NO 1 - 1

REFERENCE TIME 14 23 31.000

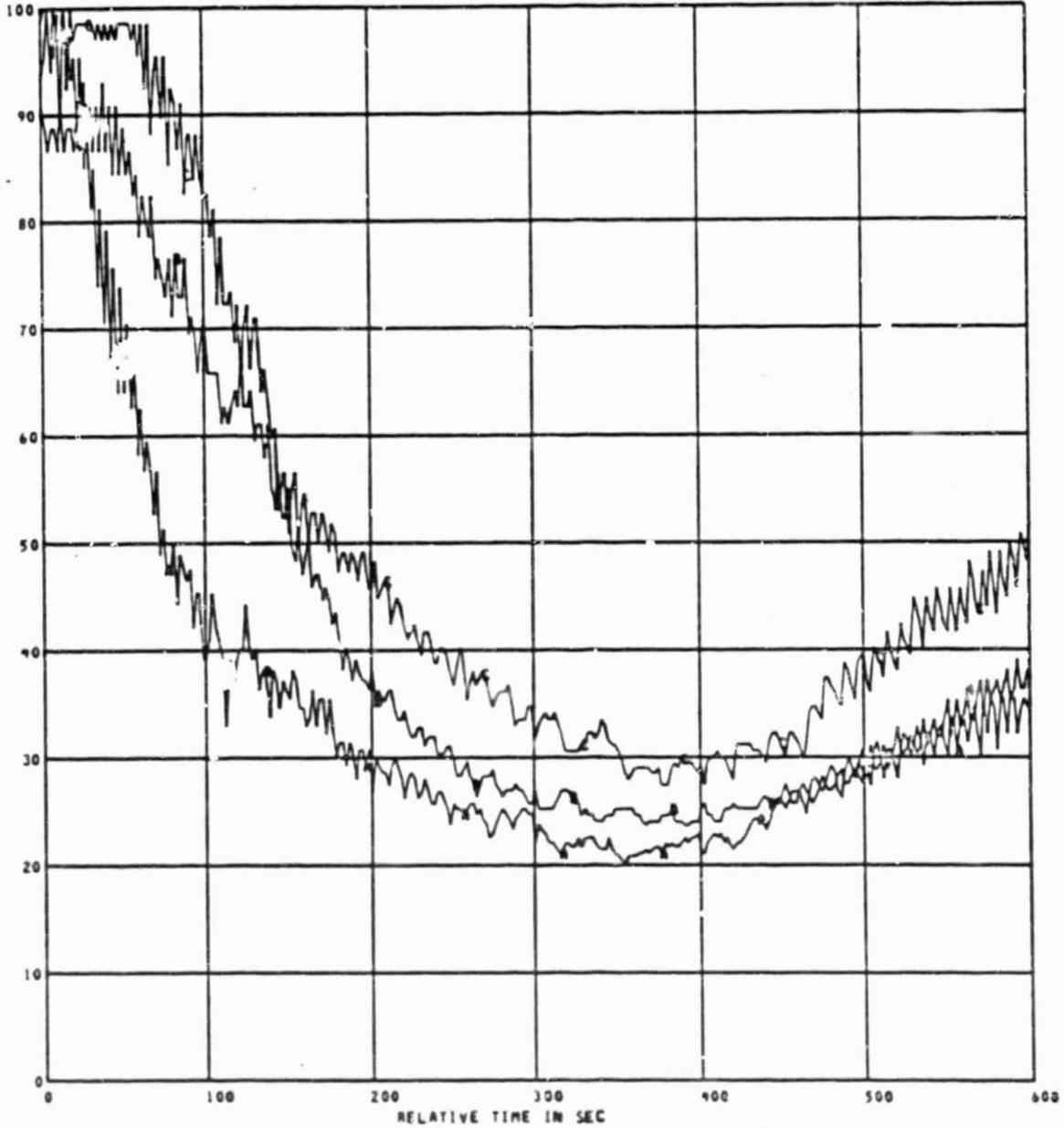


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS38

SEAT TST-OCT 1960 PLOT NO 2 - 1

REFERENCE TIME 14 23 31.000

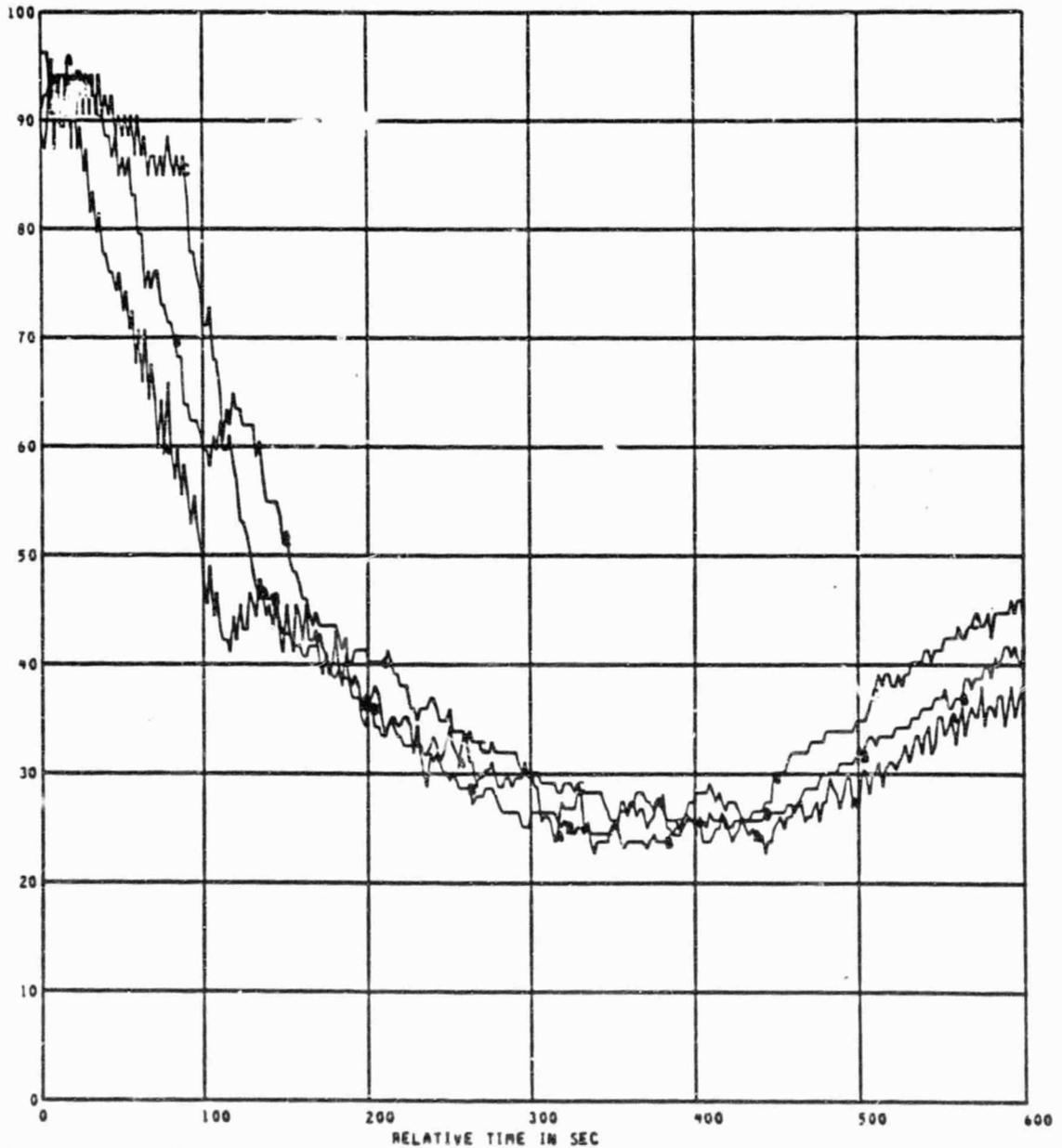


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 14 23 31.000

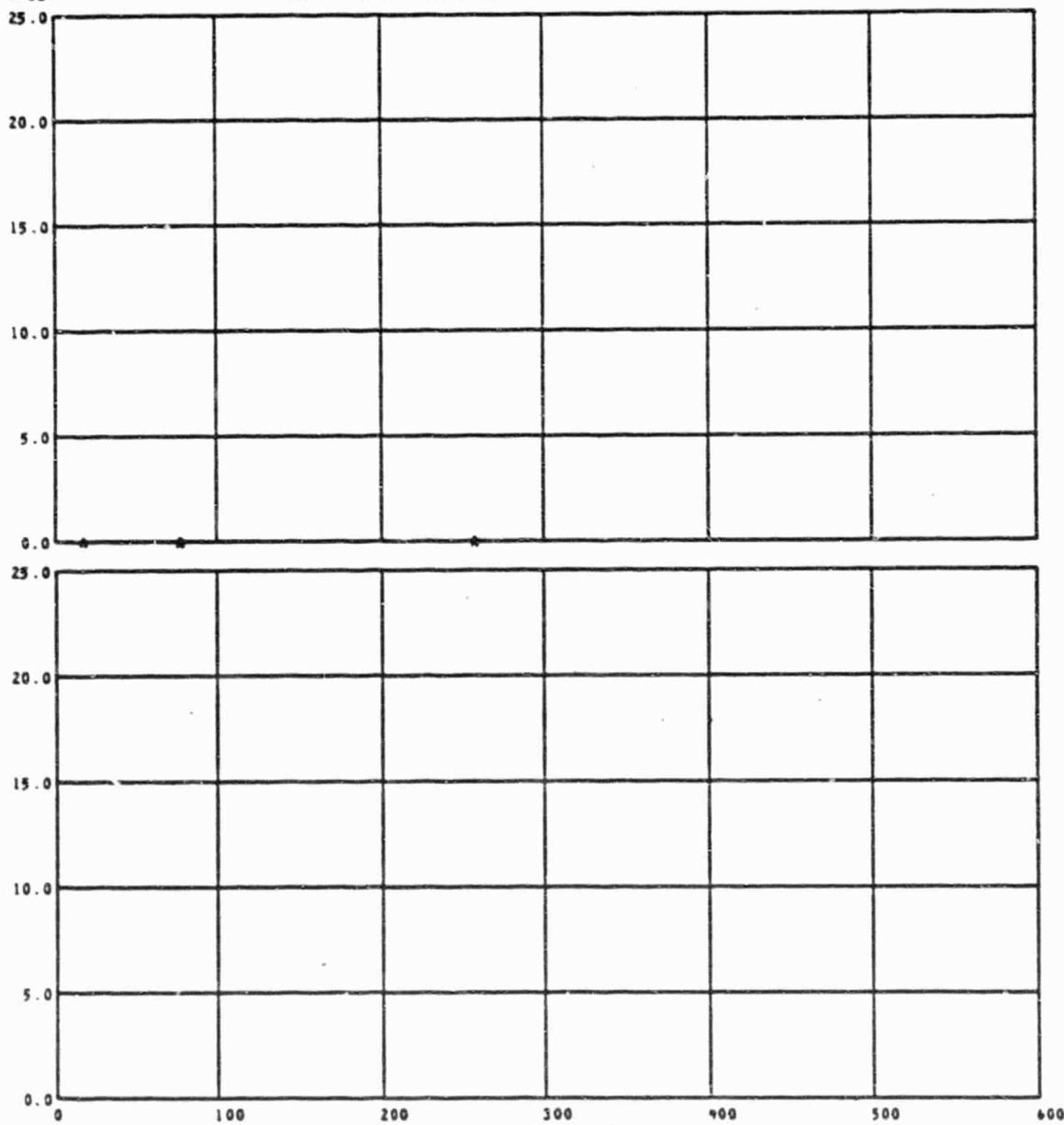


MEAS. NUMBER	CHANNEL ASGM.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 14 23 31.000

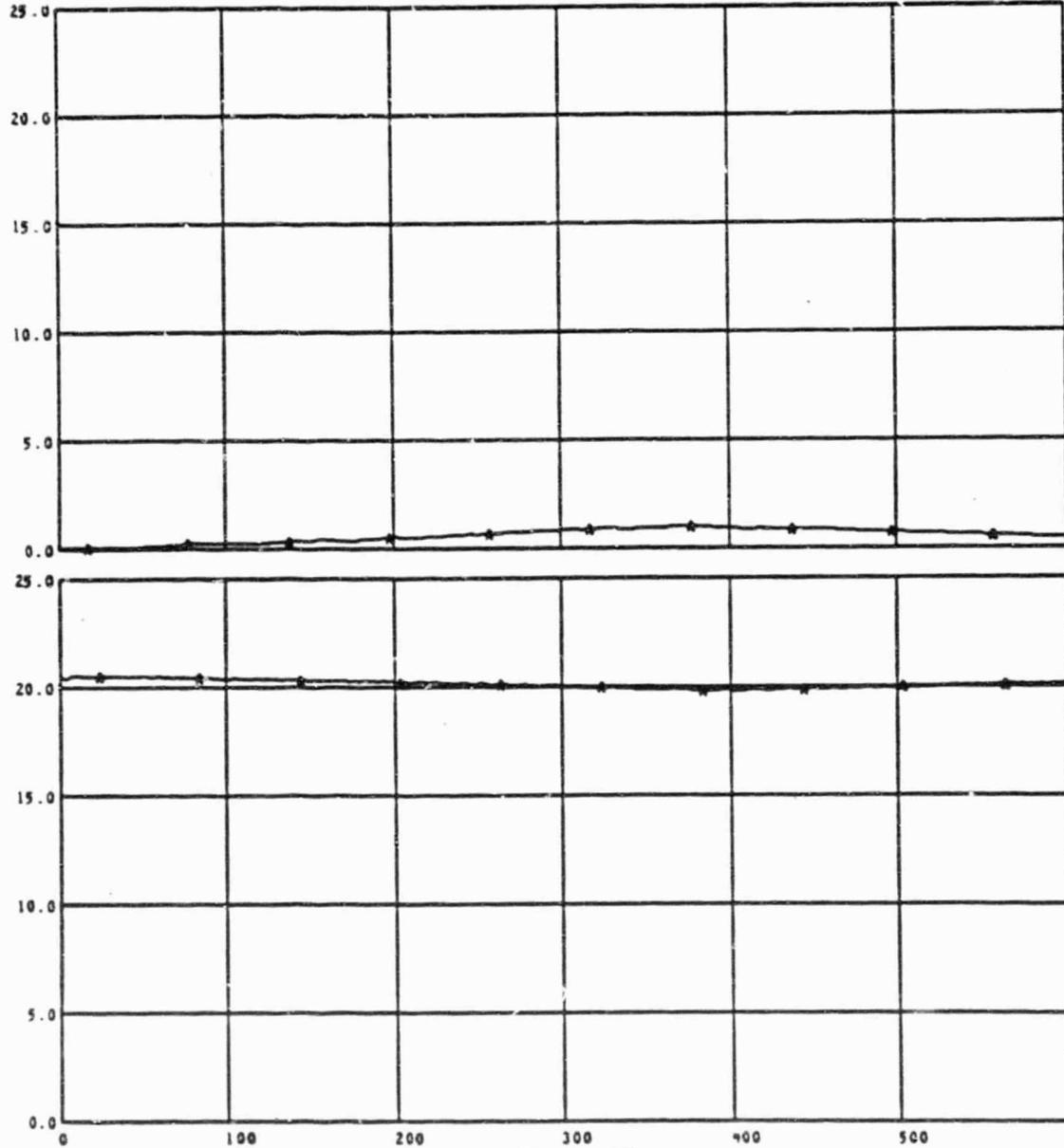


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CN1E	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 14 23 31.000

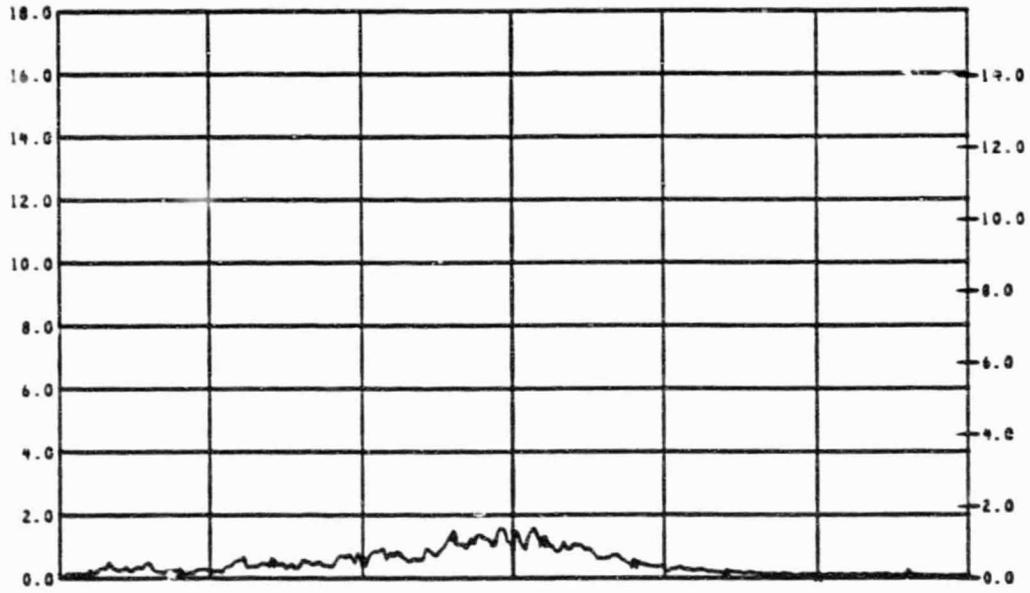


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	099	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

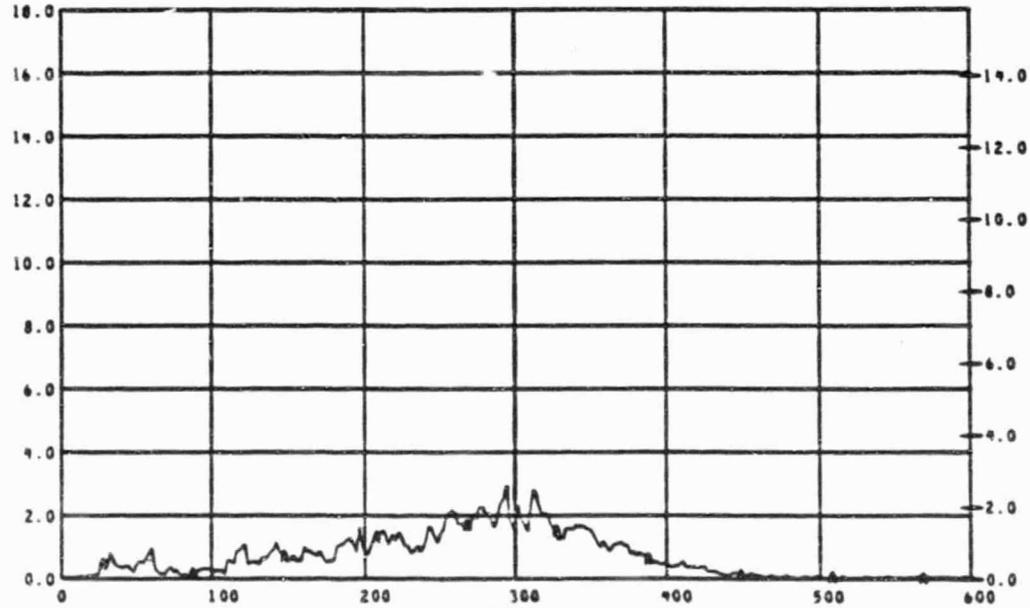
TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 14 23 31.000



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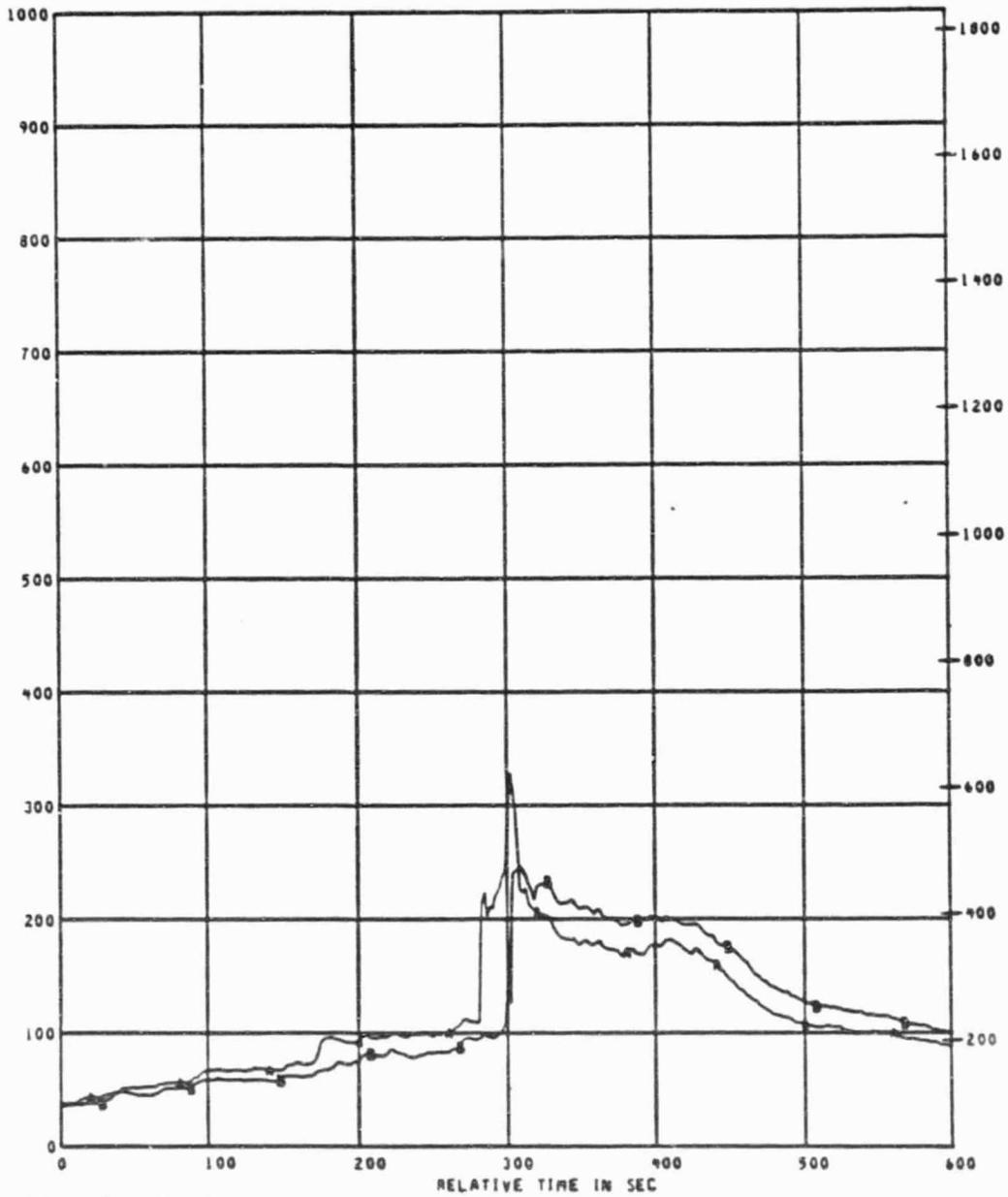
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
8 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
8 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 14 23 31.000



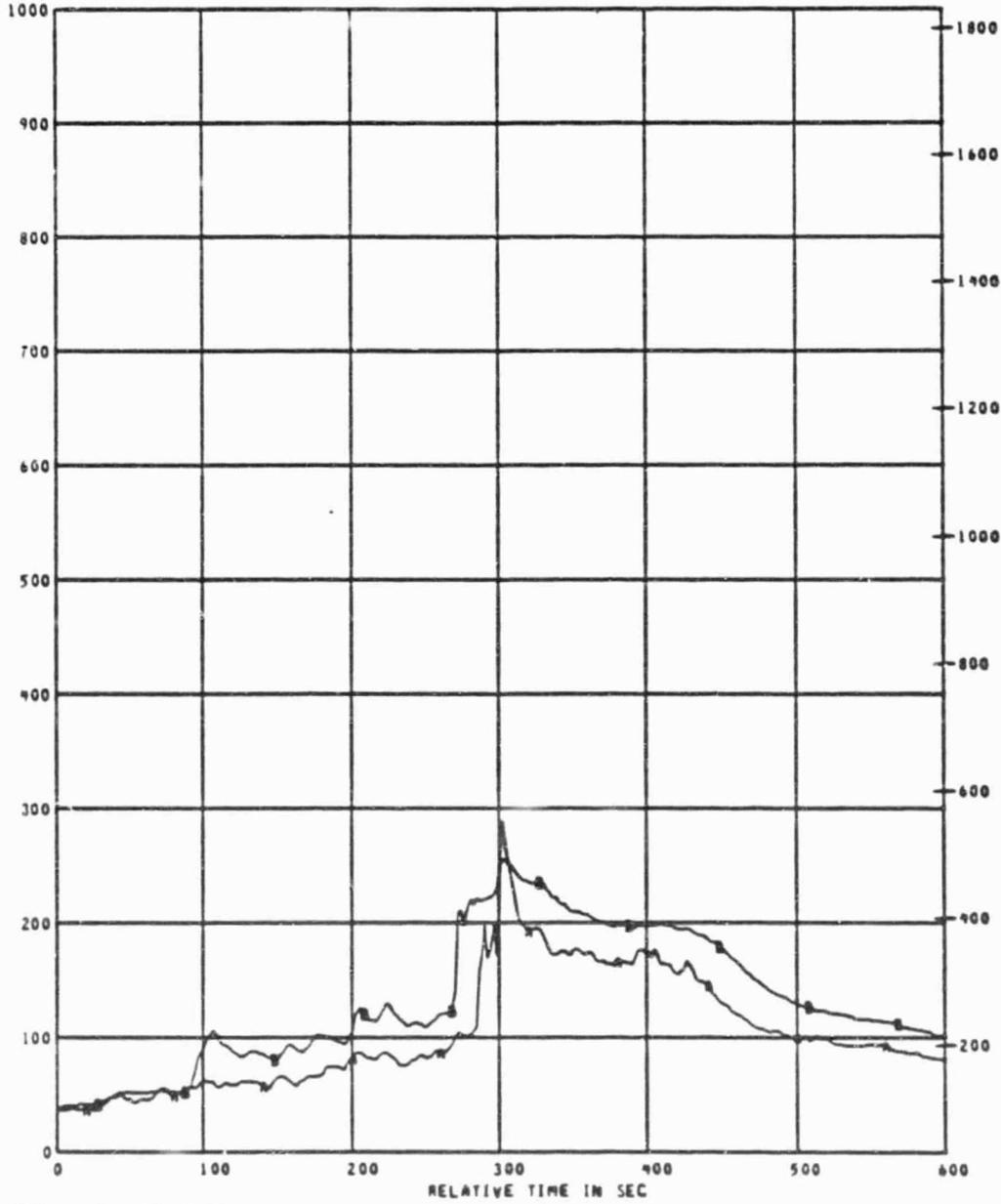
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 14 23 31.000



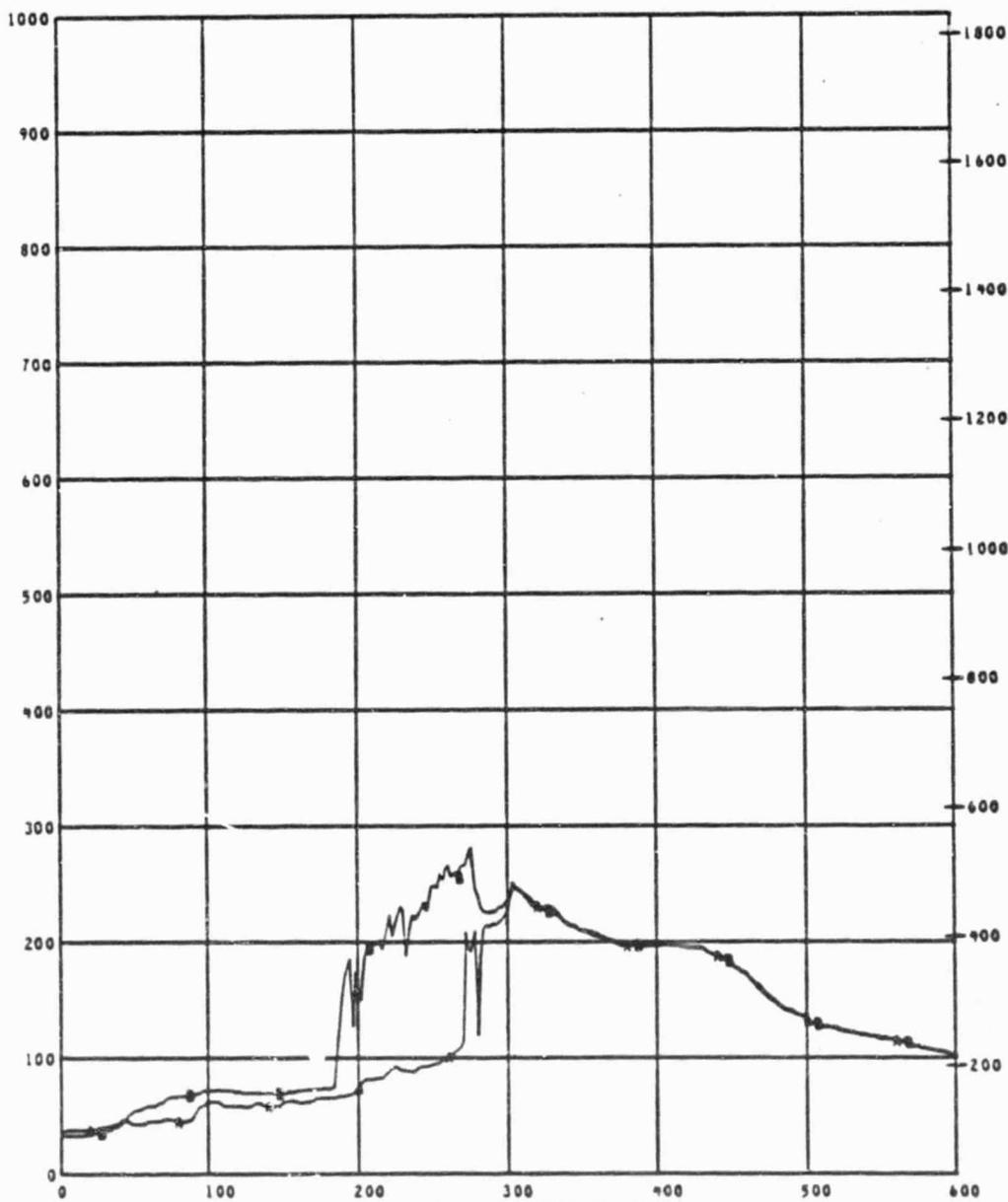
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 14 23 31.000



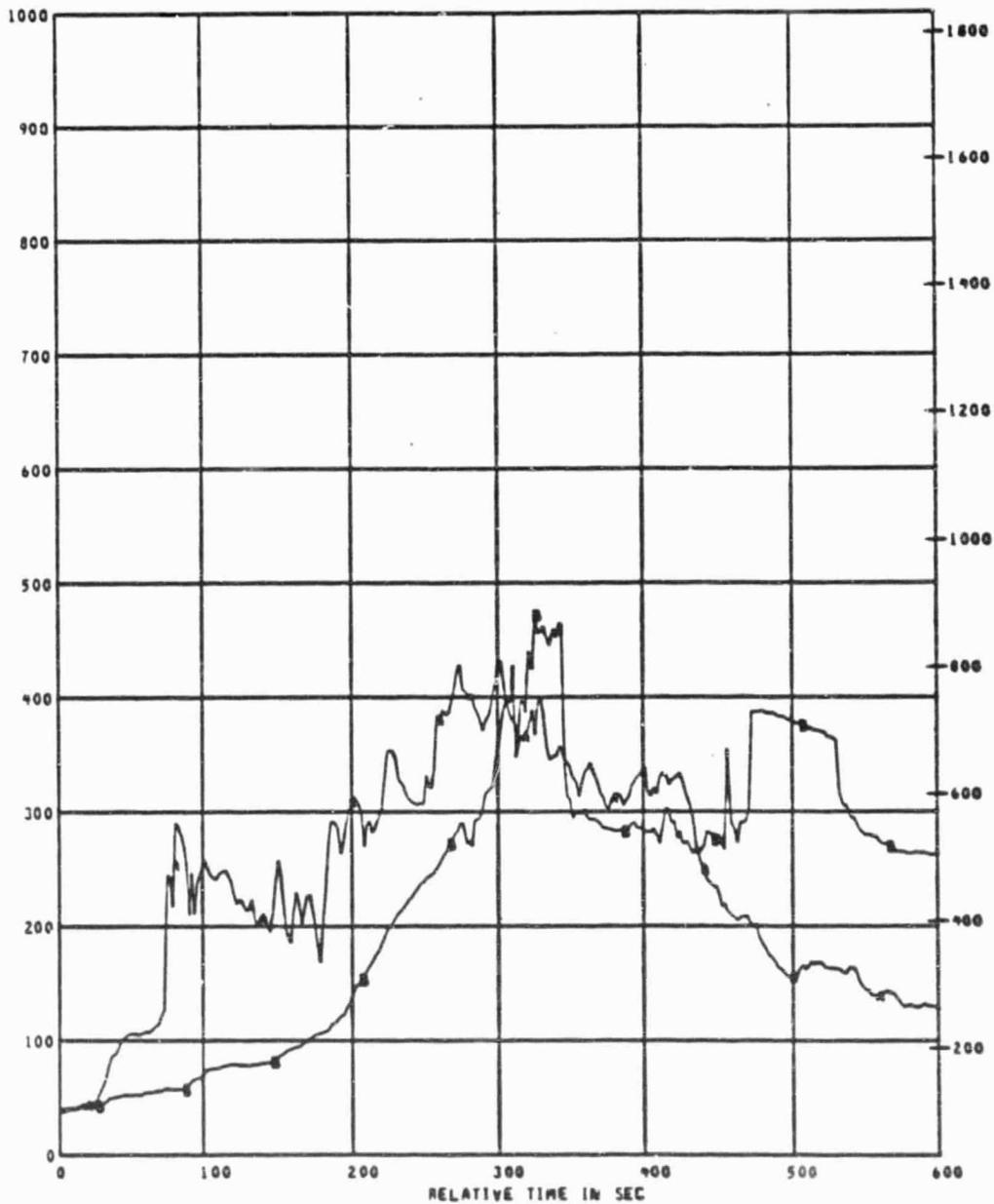
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
1 TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 14 23 31.000



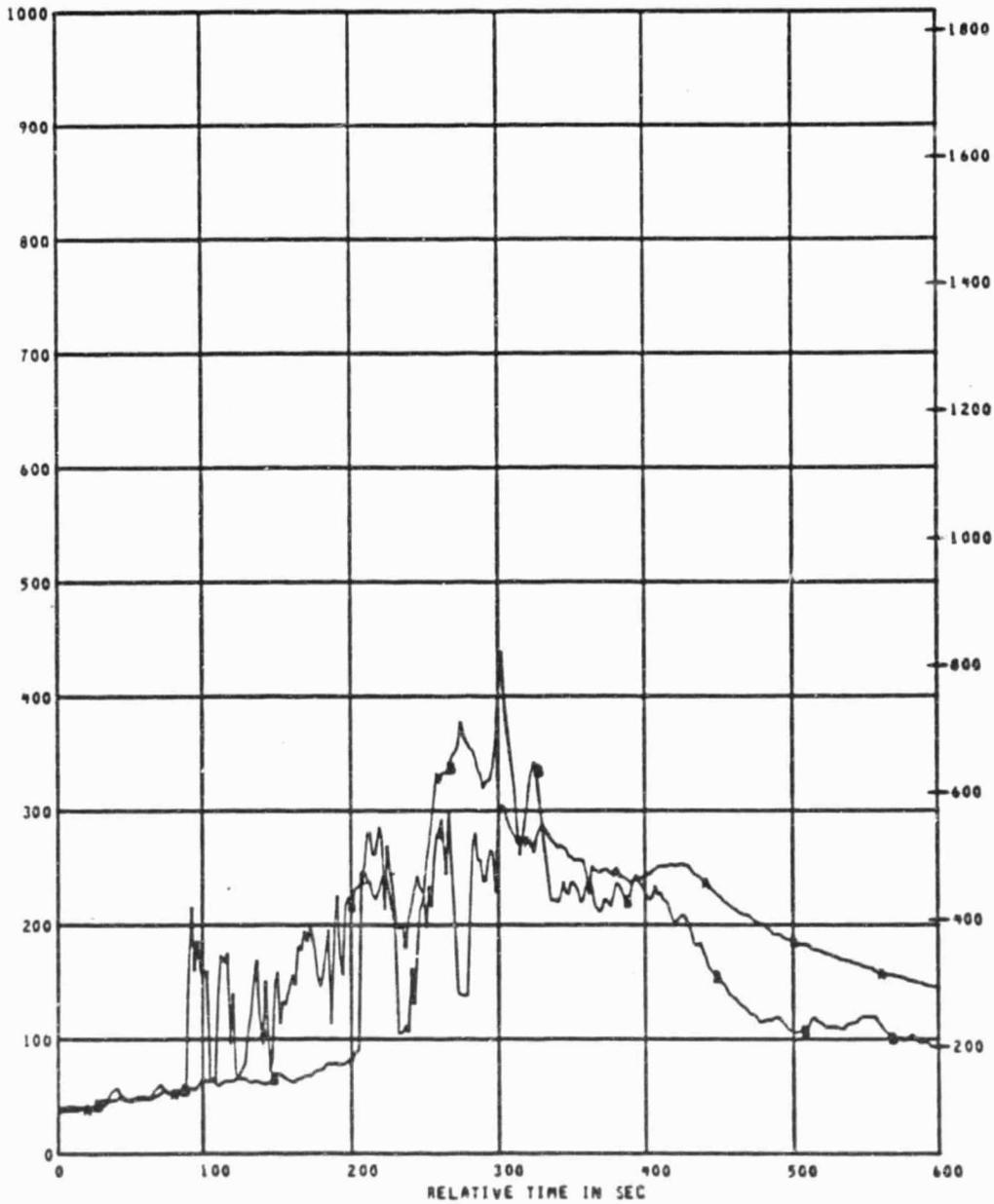
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 14 23 31.000

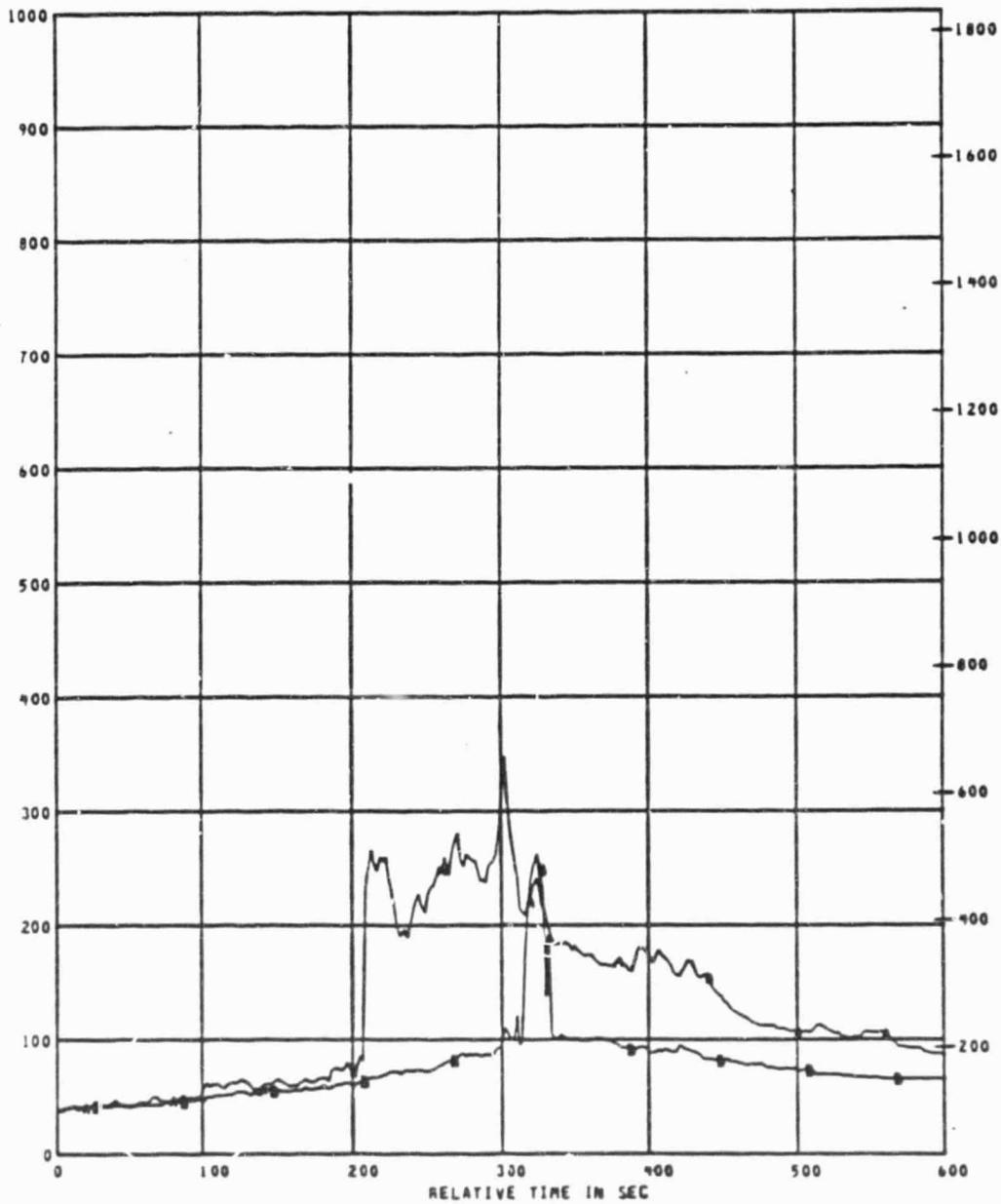


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 14 23 31.000

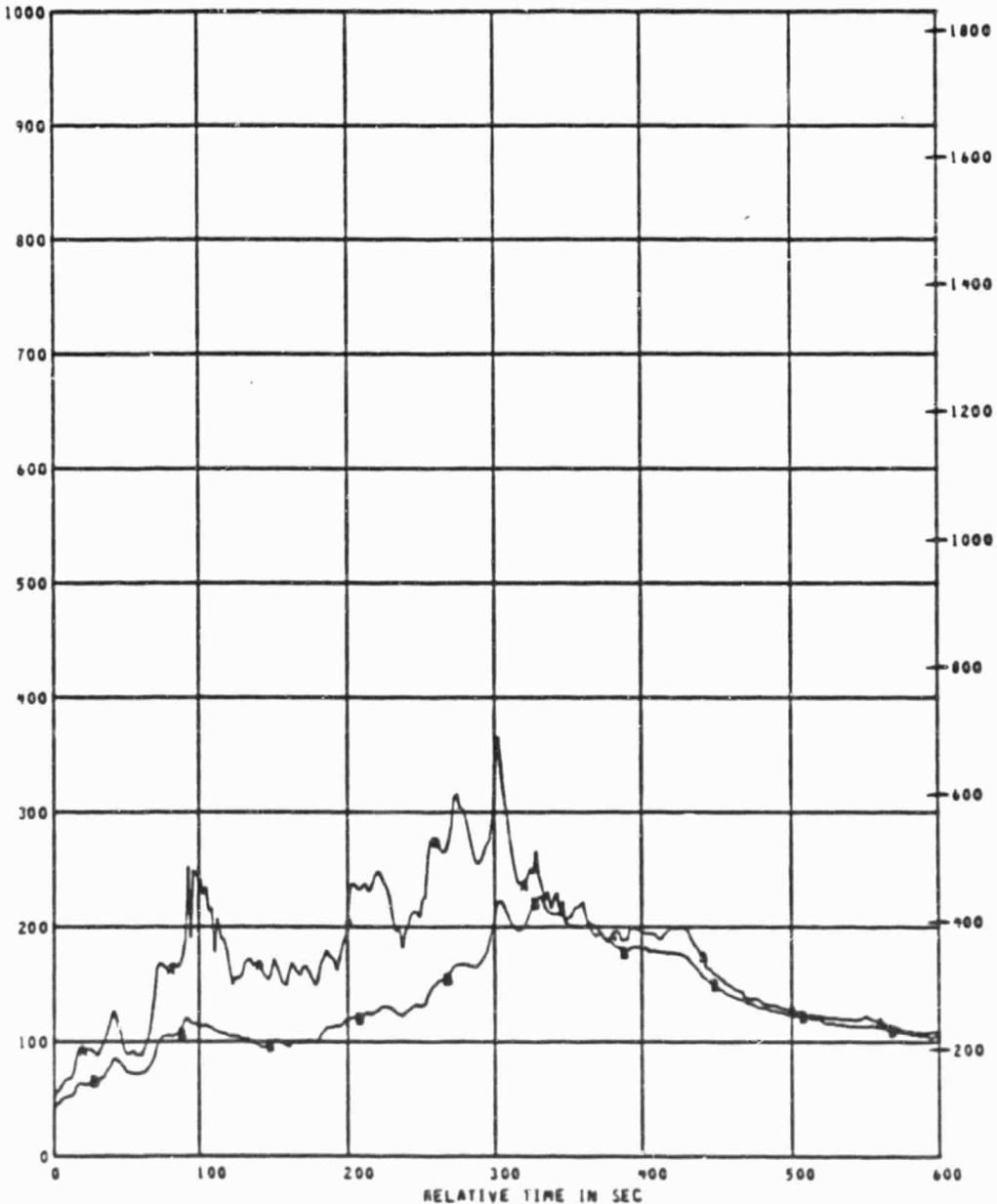


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
# TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
# TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 14 23 31.000



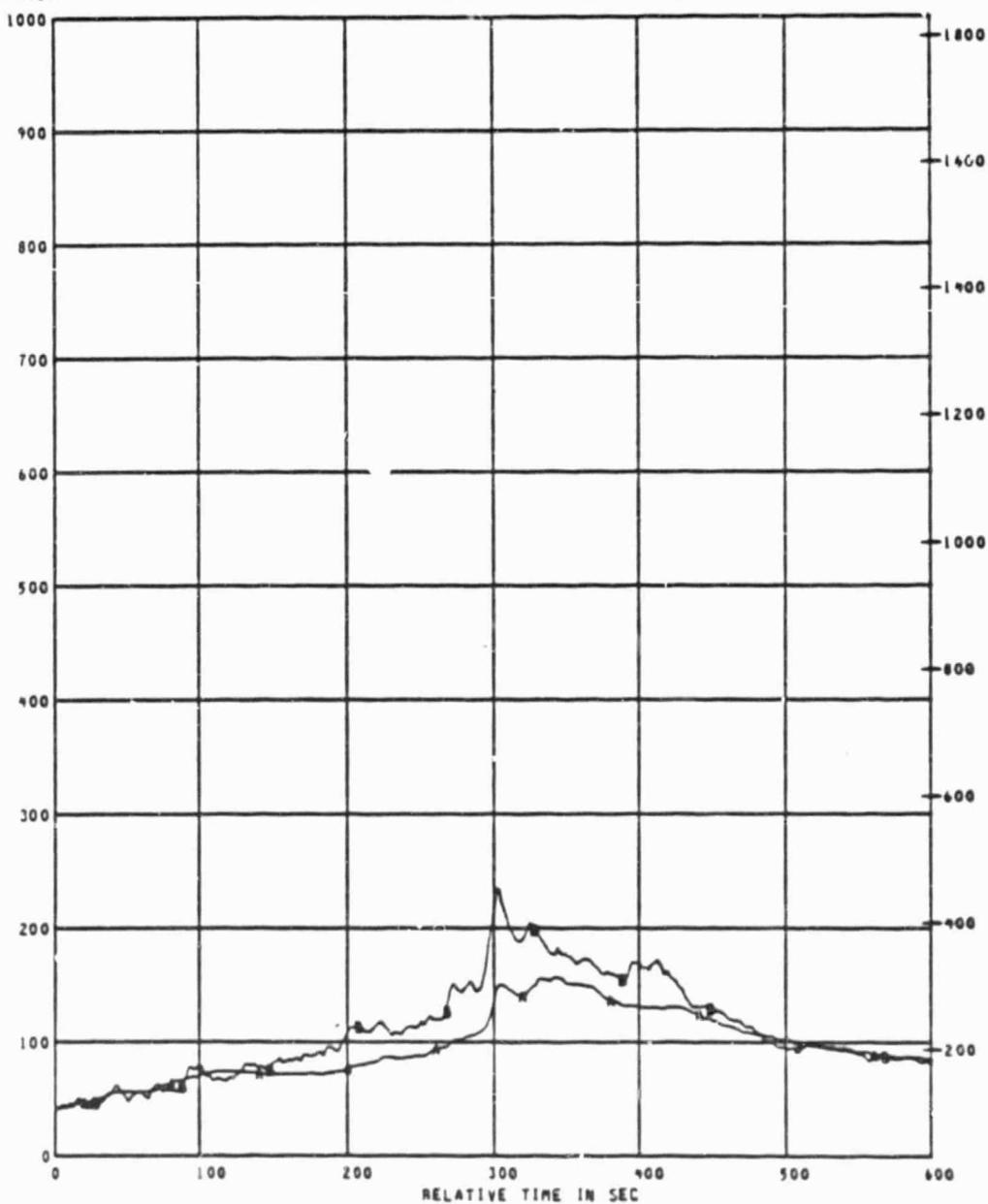
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
S TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
S TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1950 PLOT 103 14 - 1

REFERENCE TIME 14 23 31.000

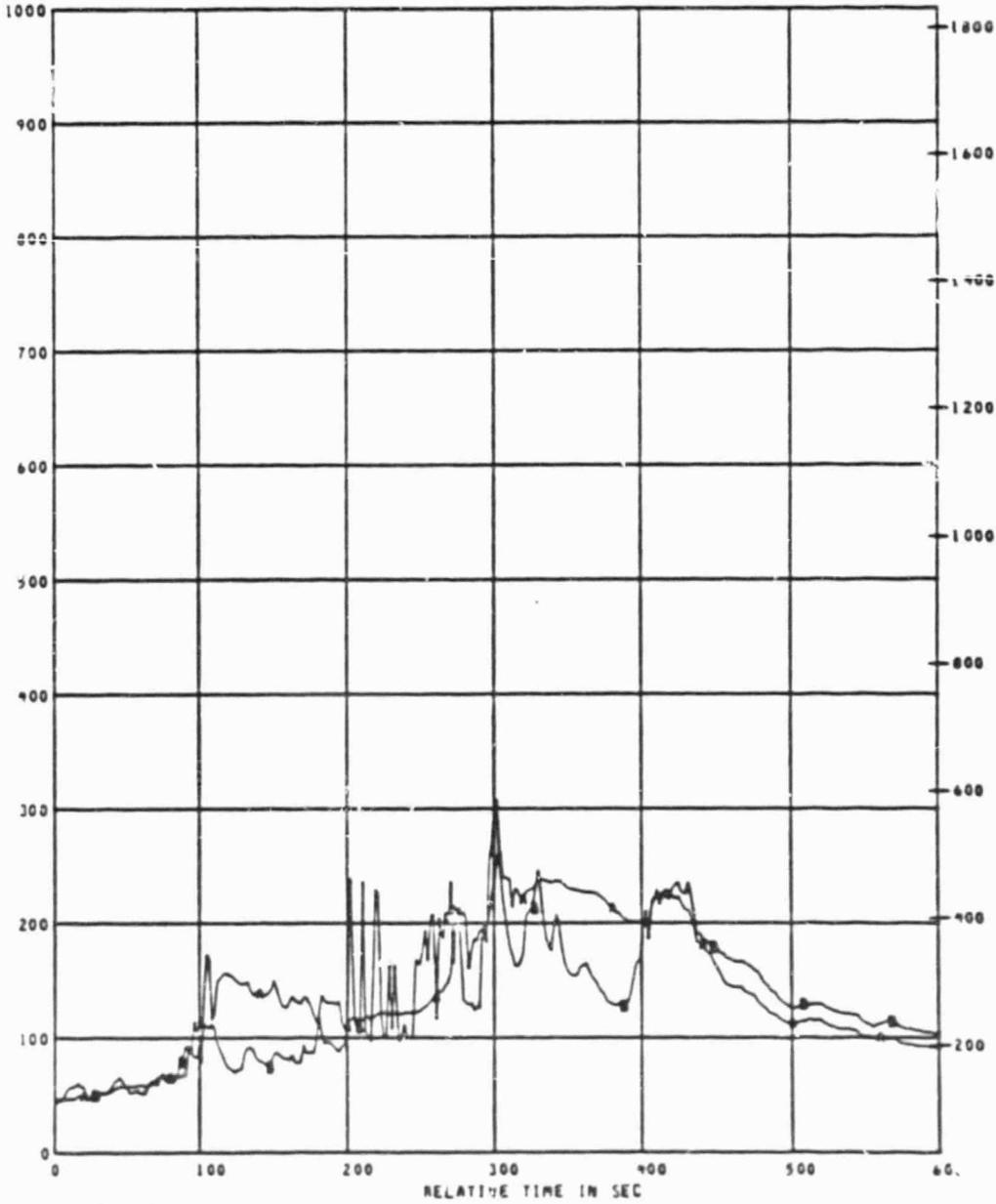


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 14 23 31.000



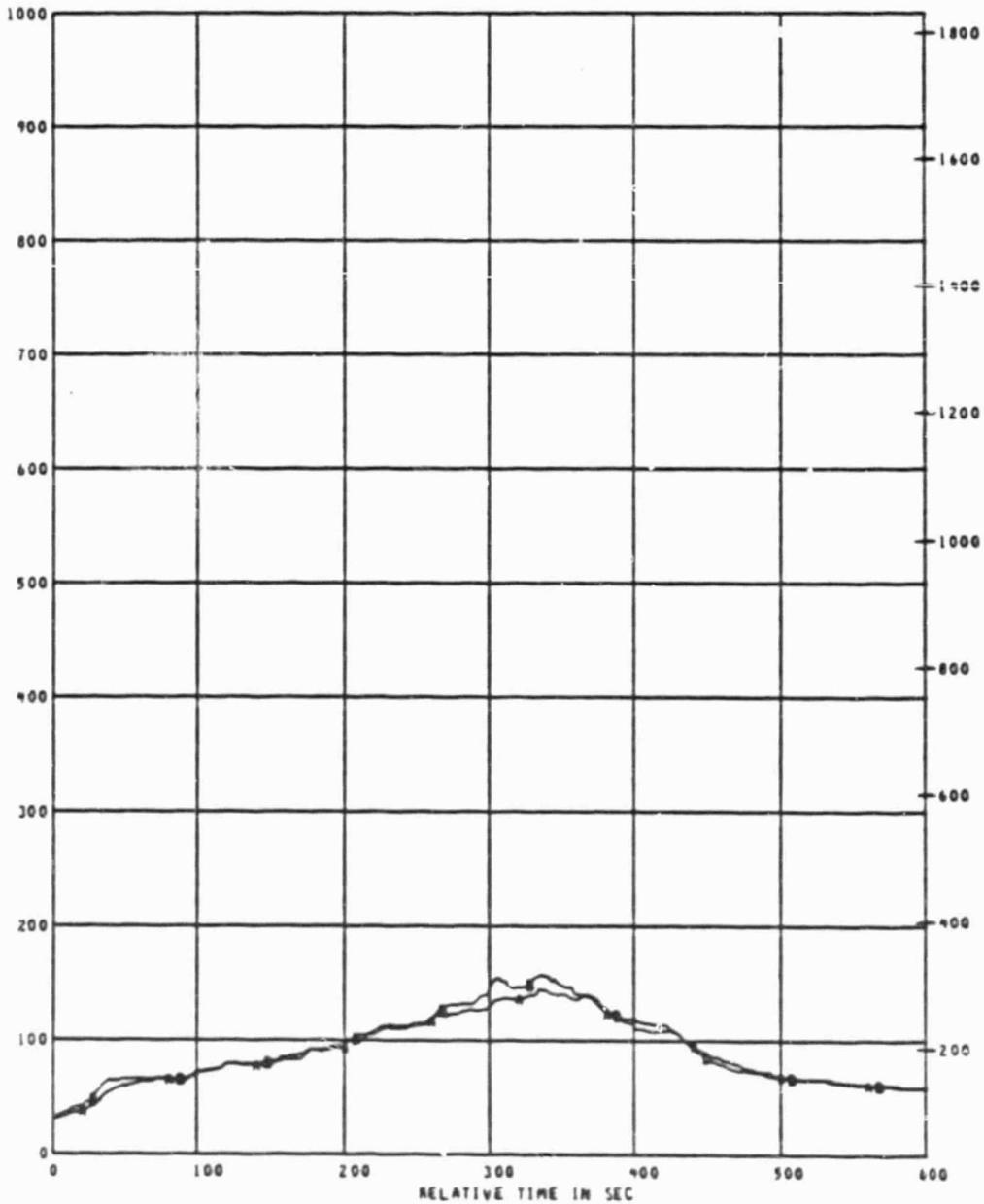
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 14 23 31.000

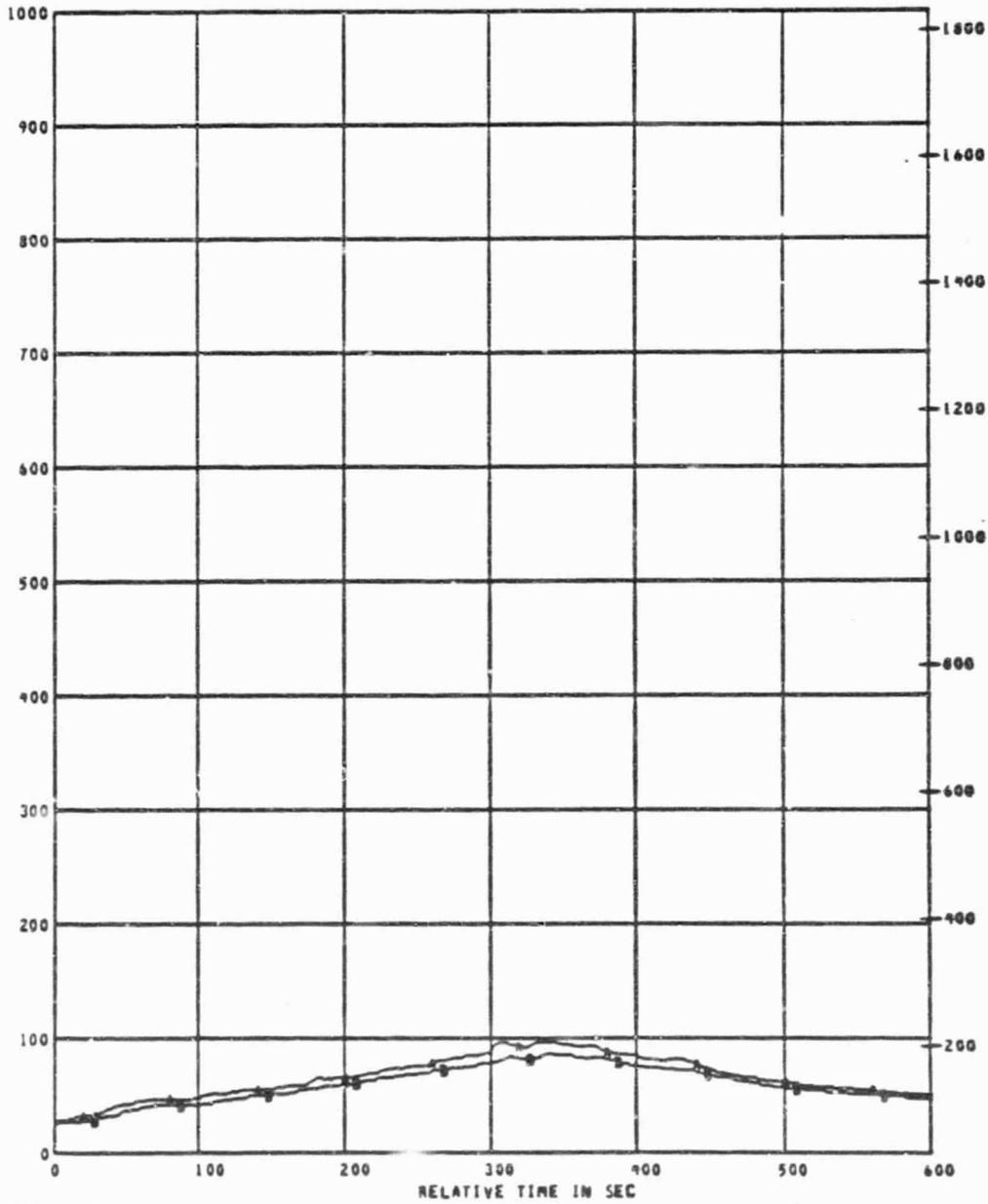


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
* TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID MAS30

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 14 23 31.000



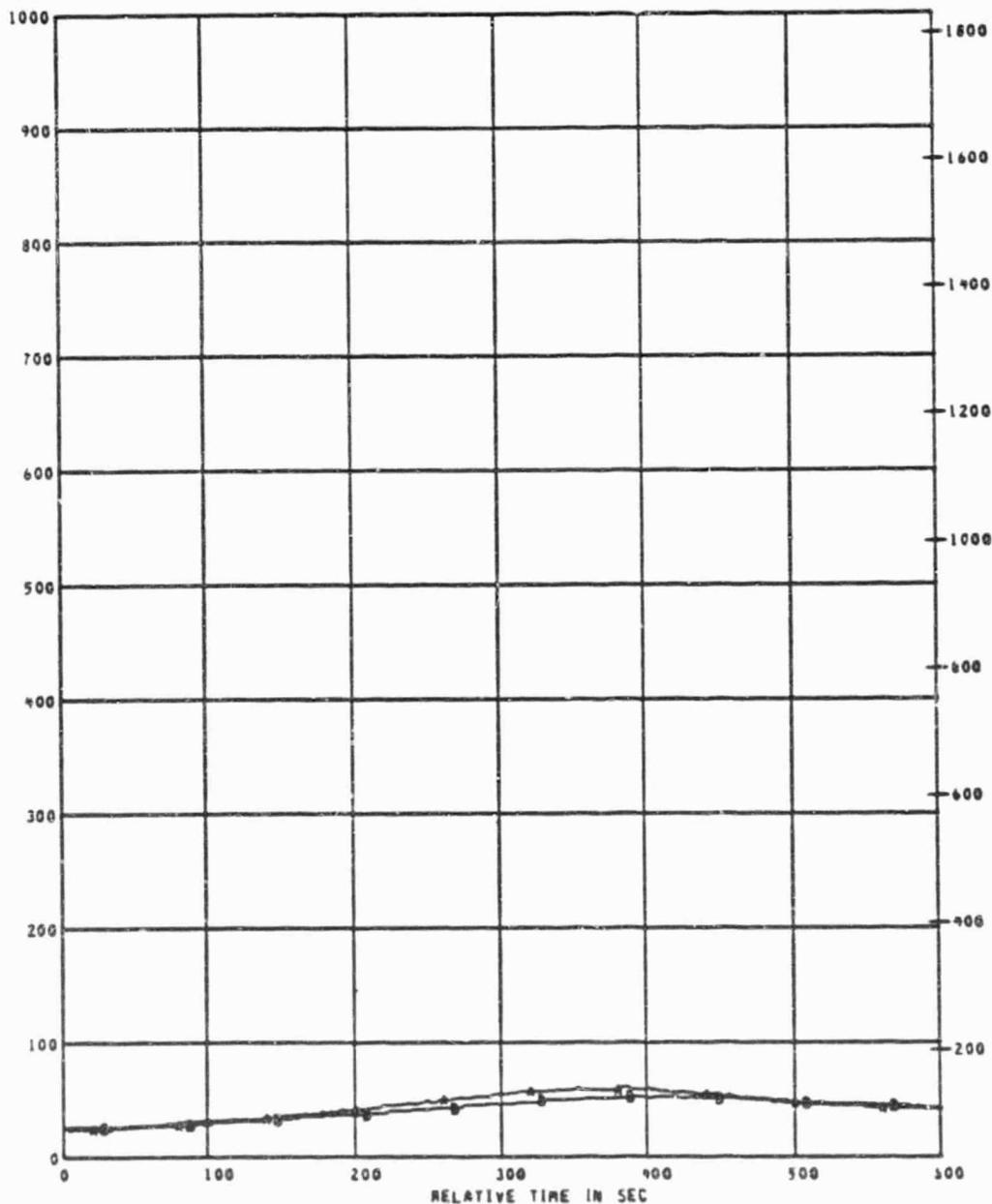
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
s TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1988 PLOT NO 18 - 1

REFERENCE TIME 14 23 31.000

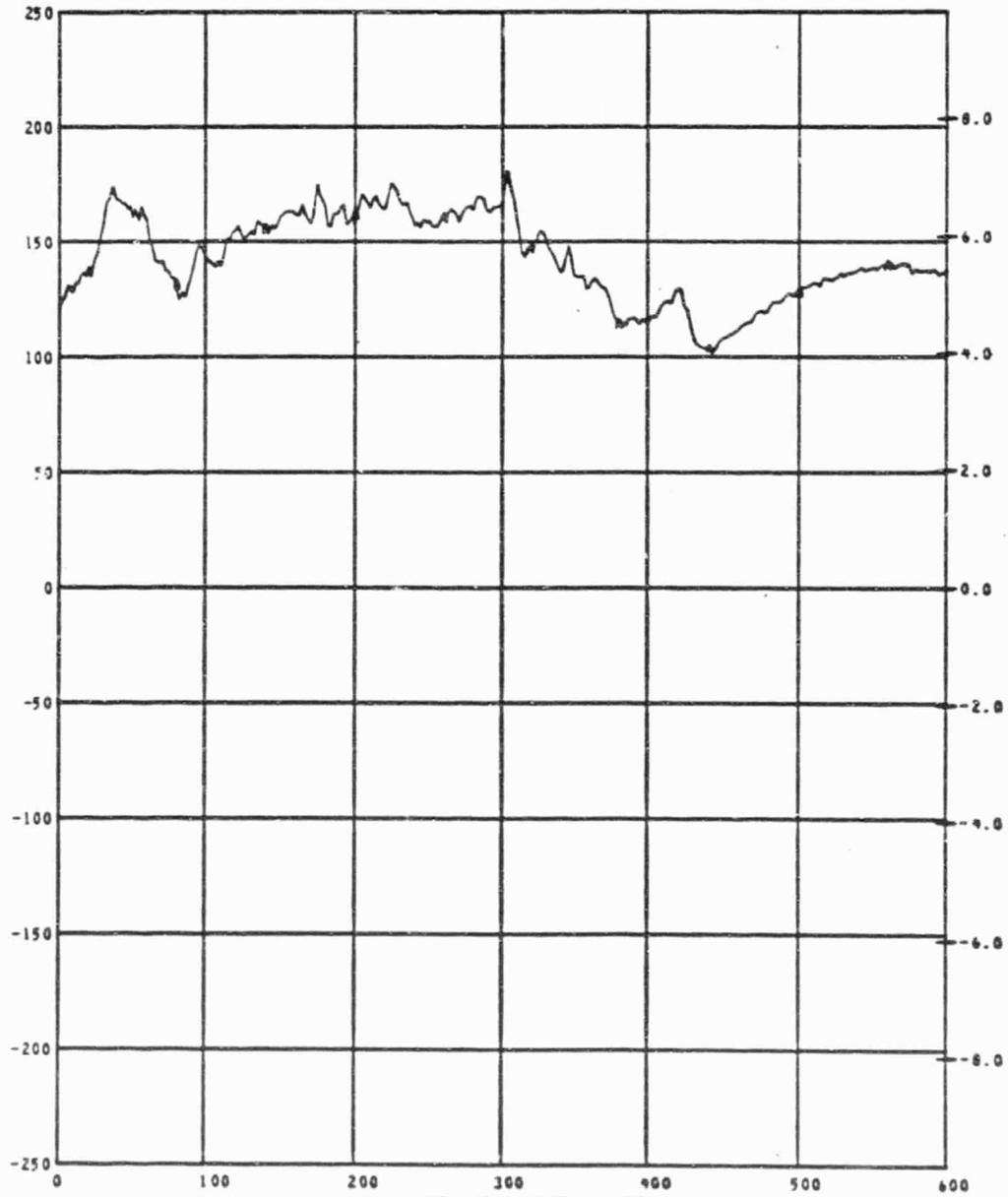


REAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
1 TAG	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NA53B

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 14 23 31.000



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MEAS. NUMBER  
s DPC

CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

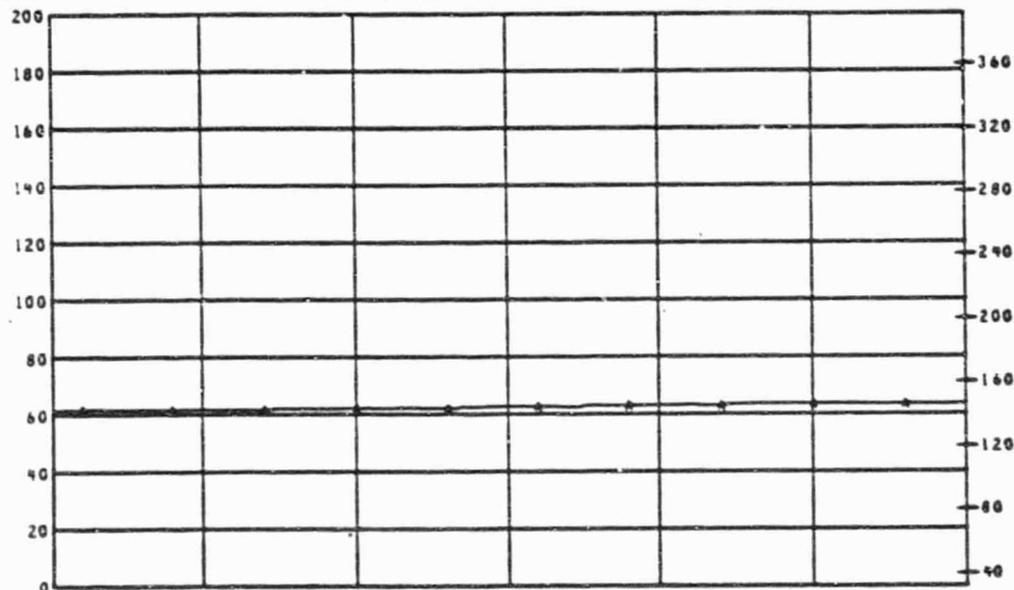
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H20 AA

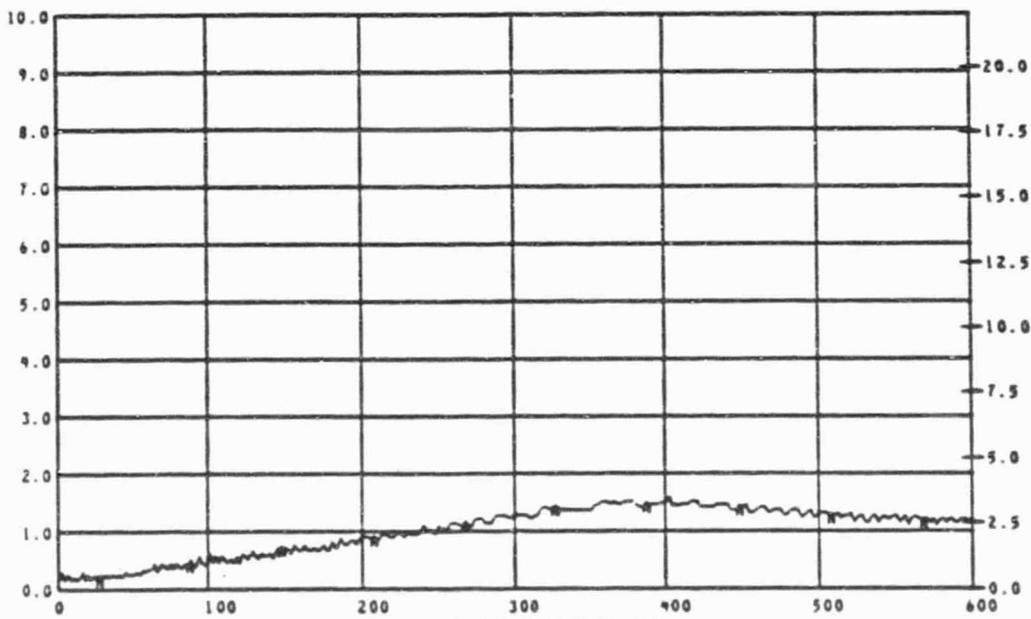
TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 14 23 31.000



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E  
G  
F



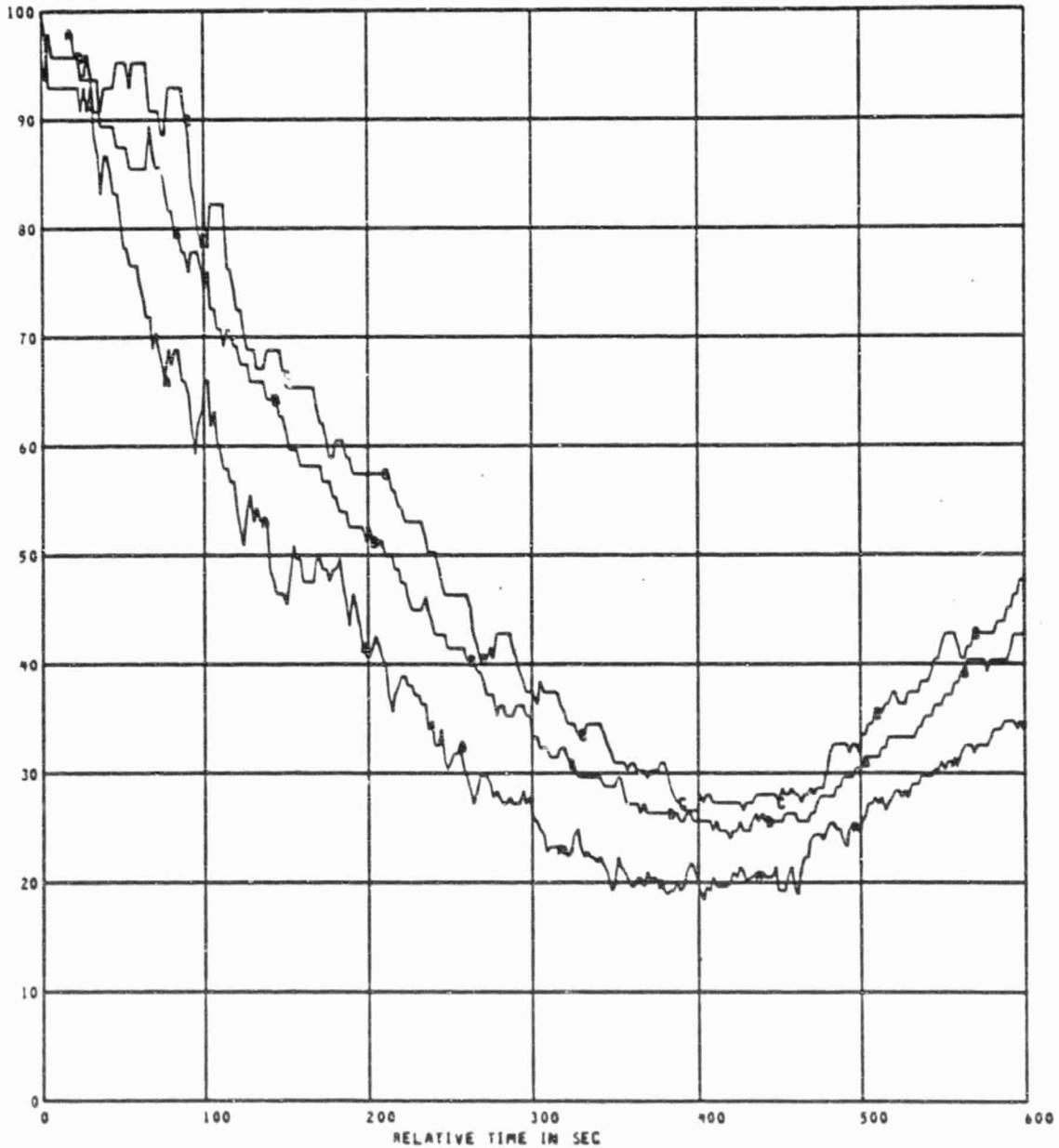
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TLC	125	TEMP-LOAD CELL	0 TO 20°	DEG C	AA
8 WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 13 51 05.000

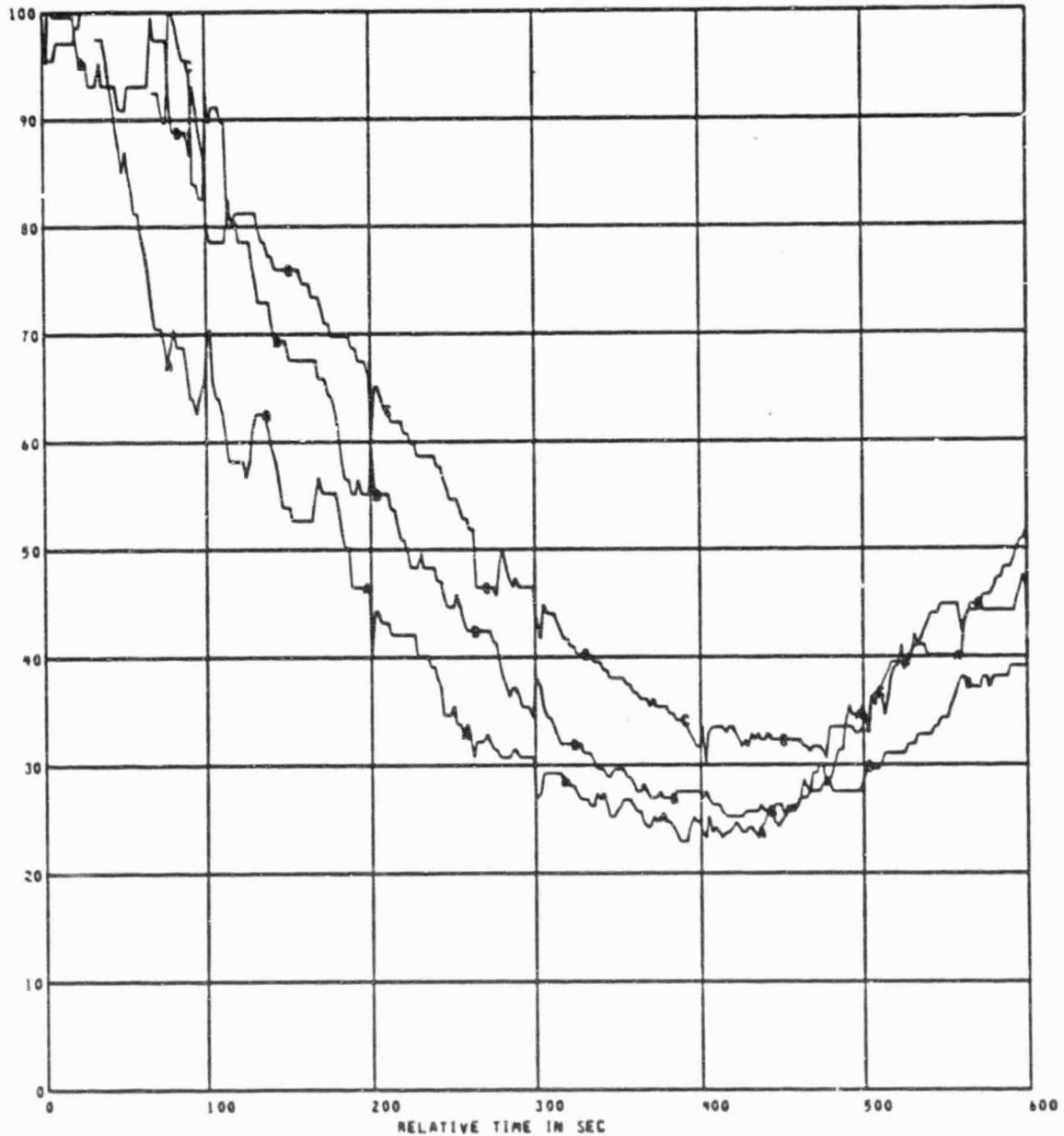


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 13 51 05.000

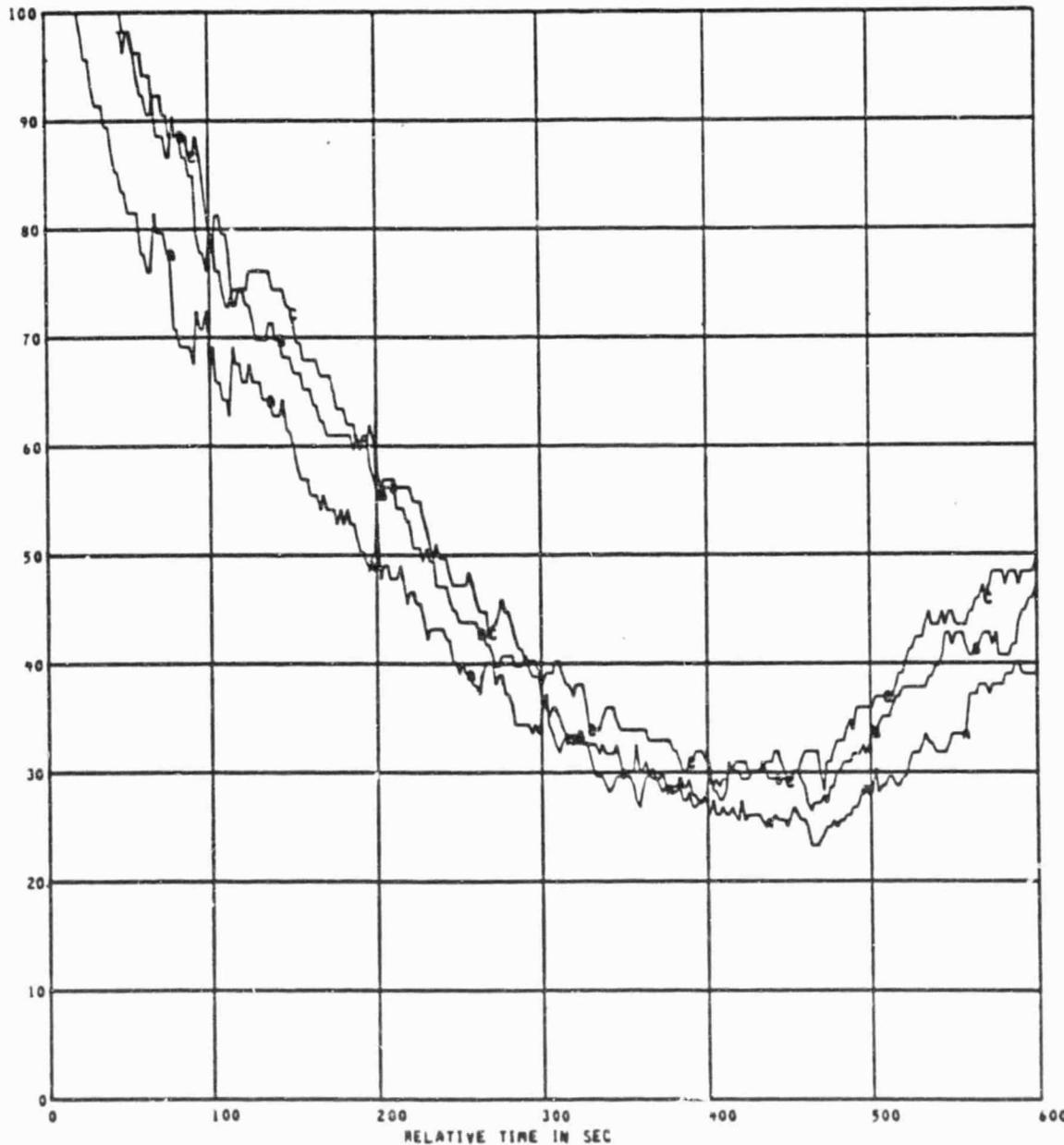


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 13 51 05.000

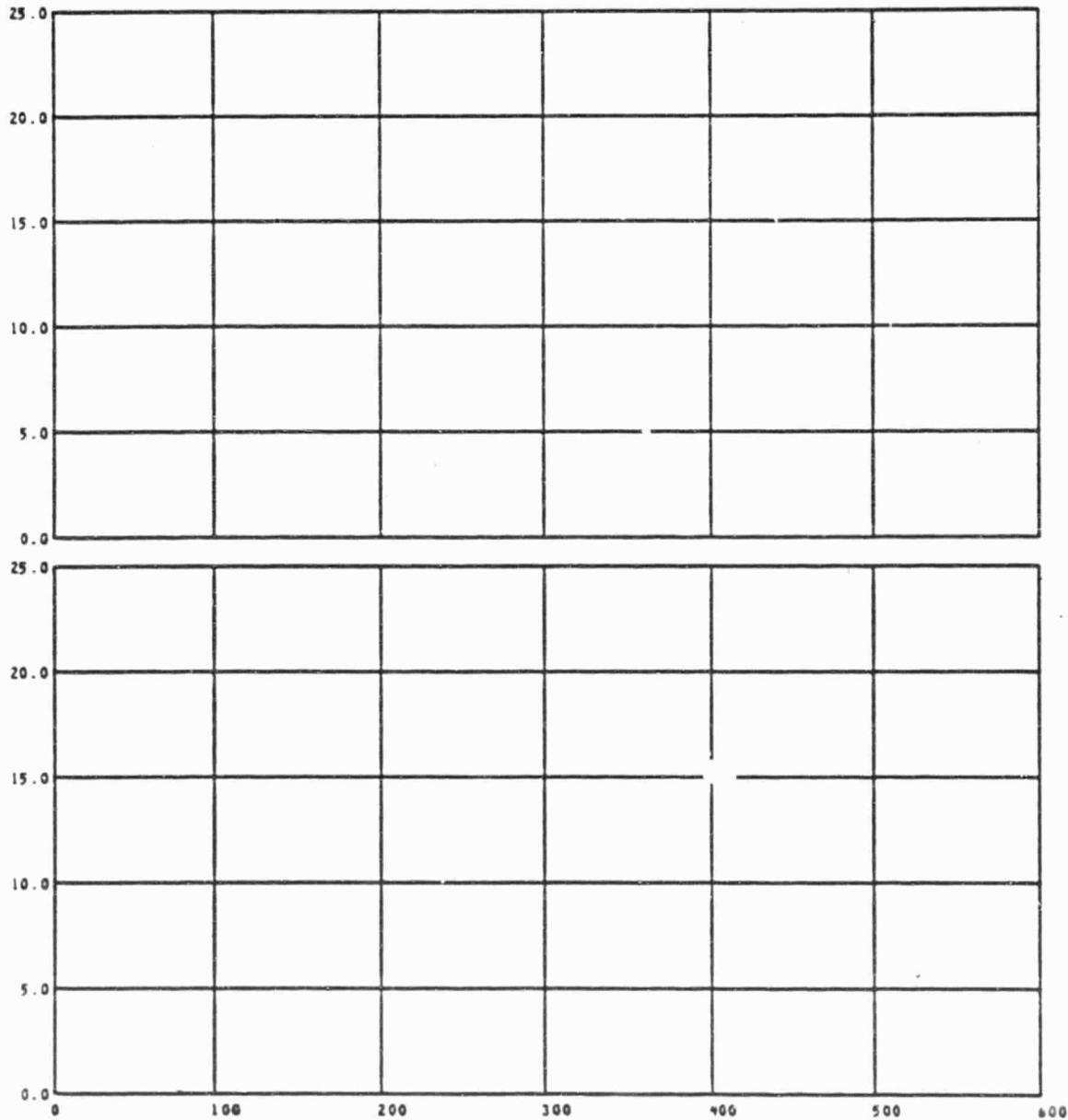


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOR	0 TO 100	PCT	AC

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 13 51 05.000

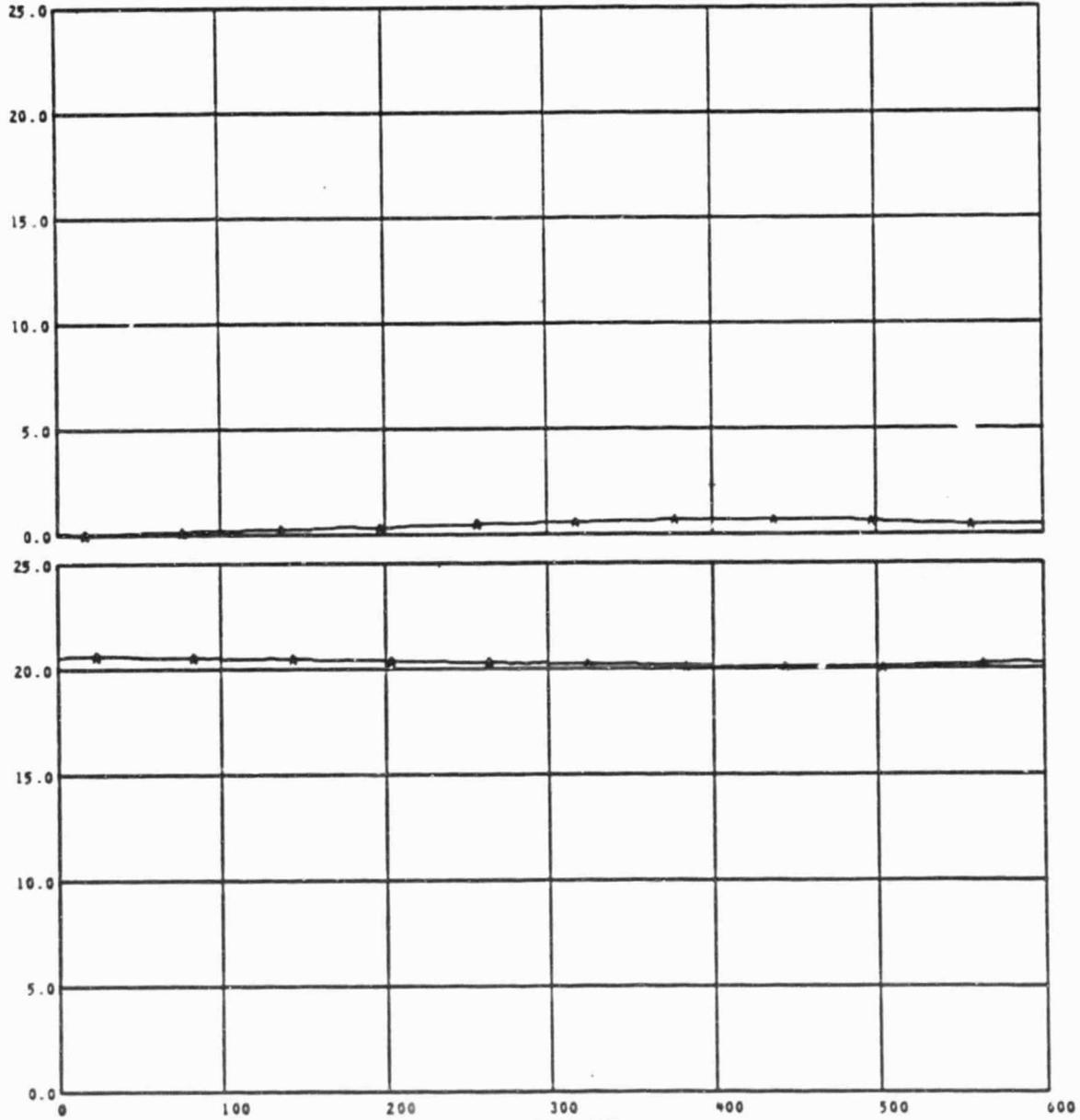


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER  
CO2E  
O2E

CHANNEL ASGN.  
090  
099

TITLE  
CARBON DIOXIDE EXHAUST  
OXYGEN EXHAUST

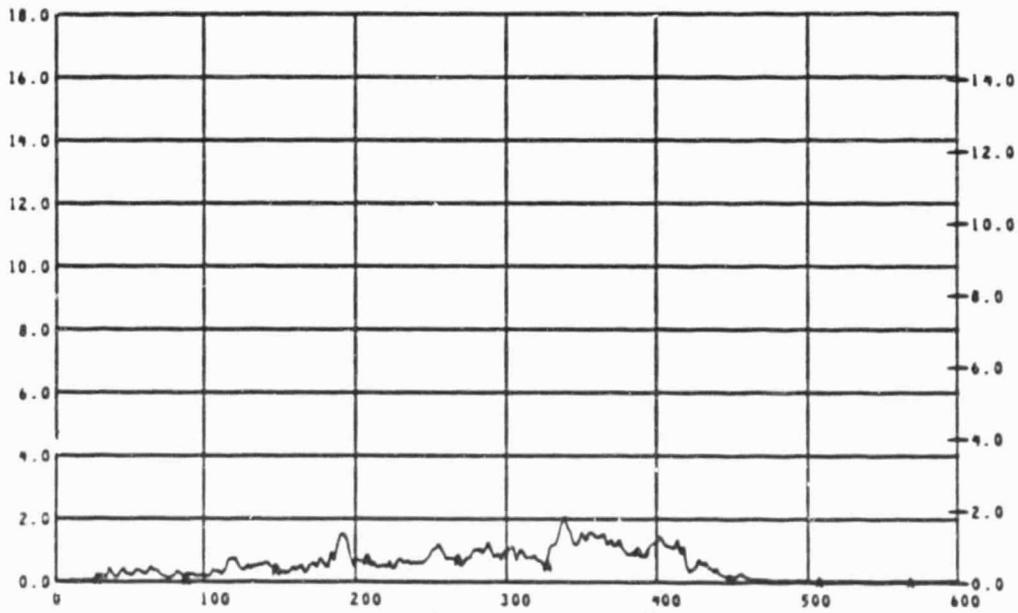
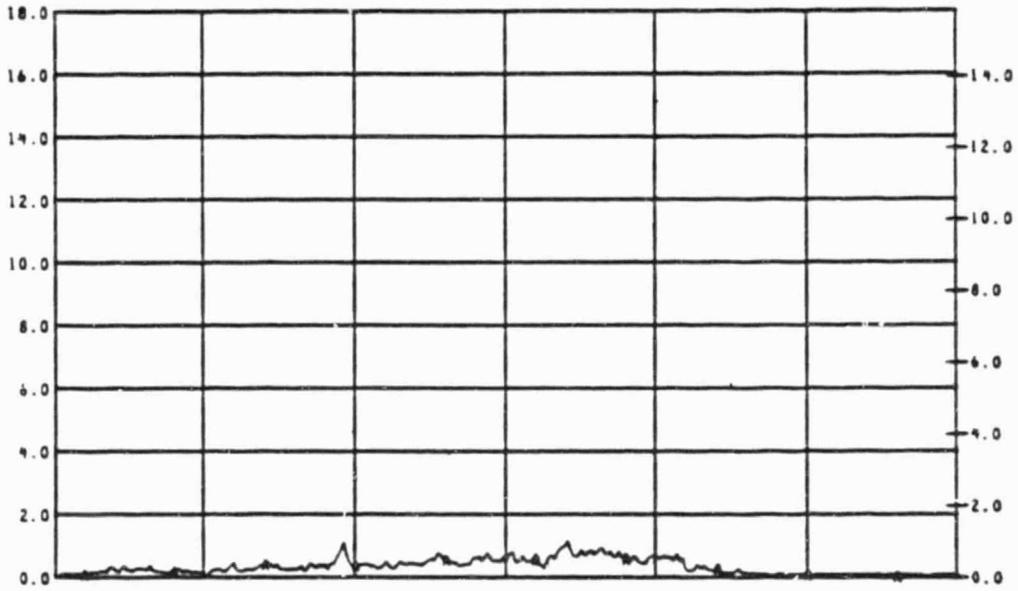
RANGE  
0.0 TO 25.0  
0.0 TO 25.0

UNITS GRID-SYM  
PCT AA  
PCT BA

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 51 05.000

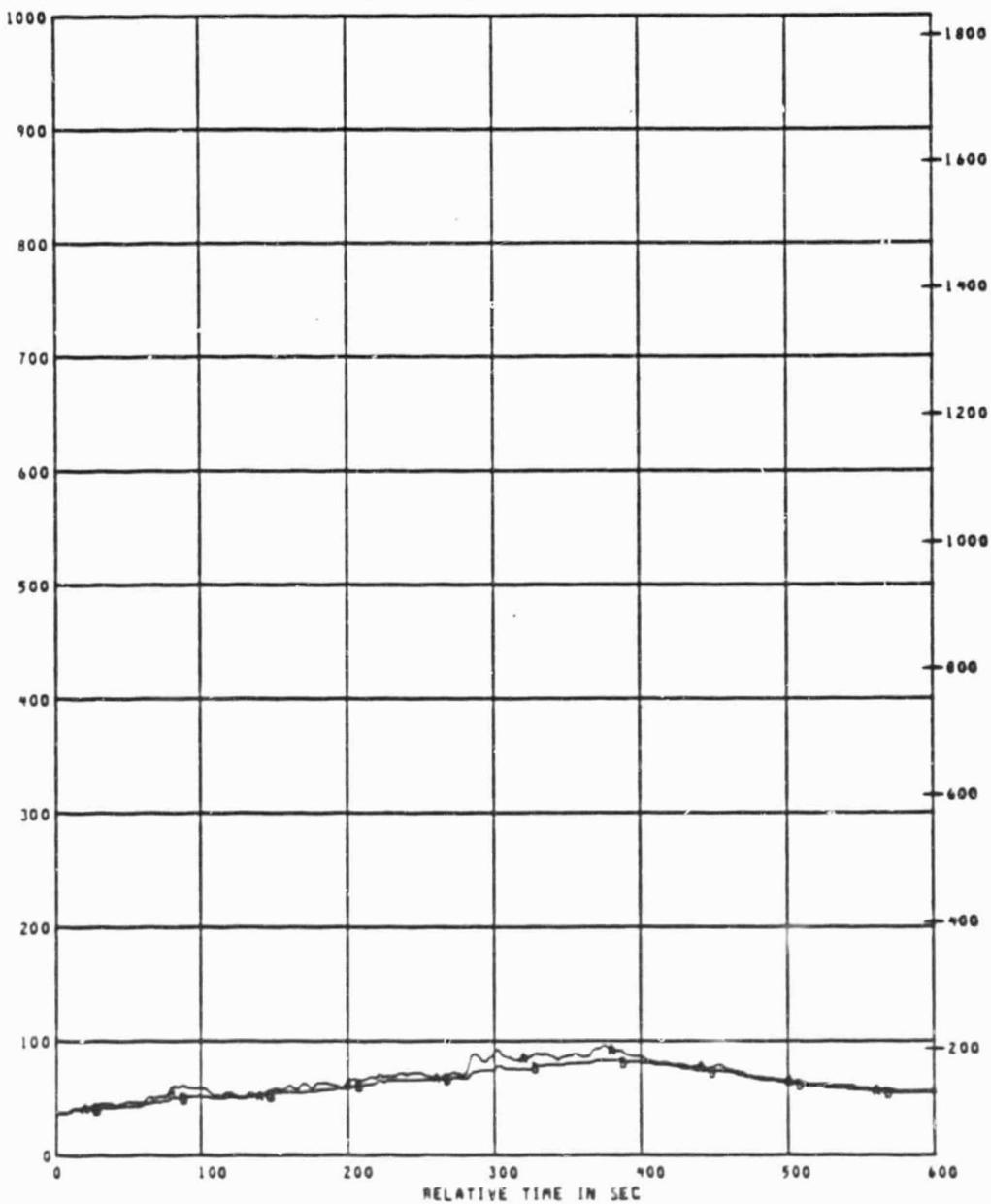


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
5 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
6 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 13 51 05.000



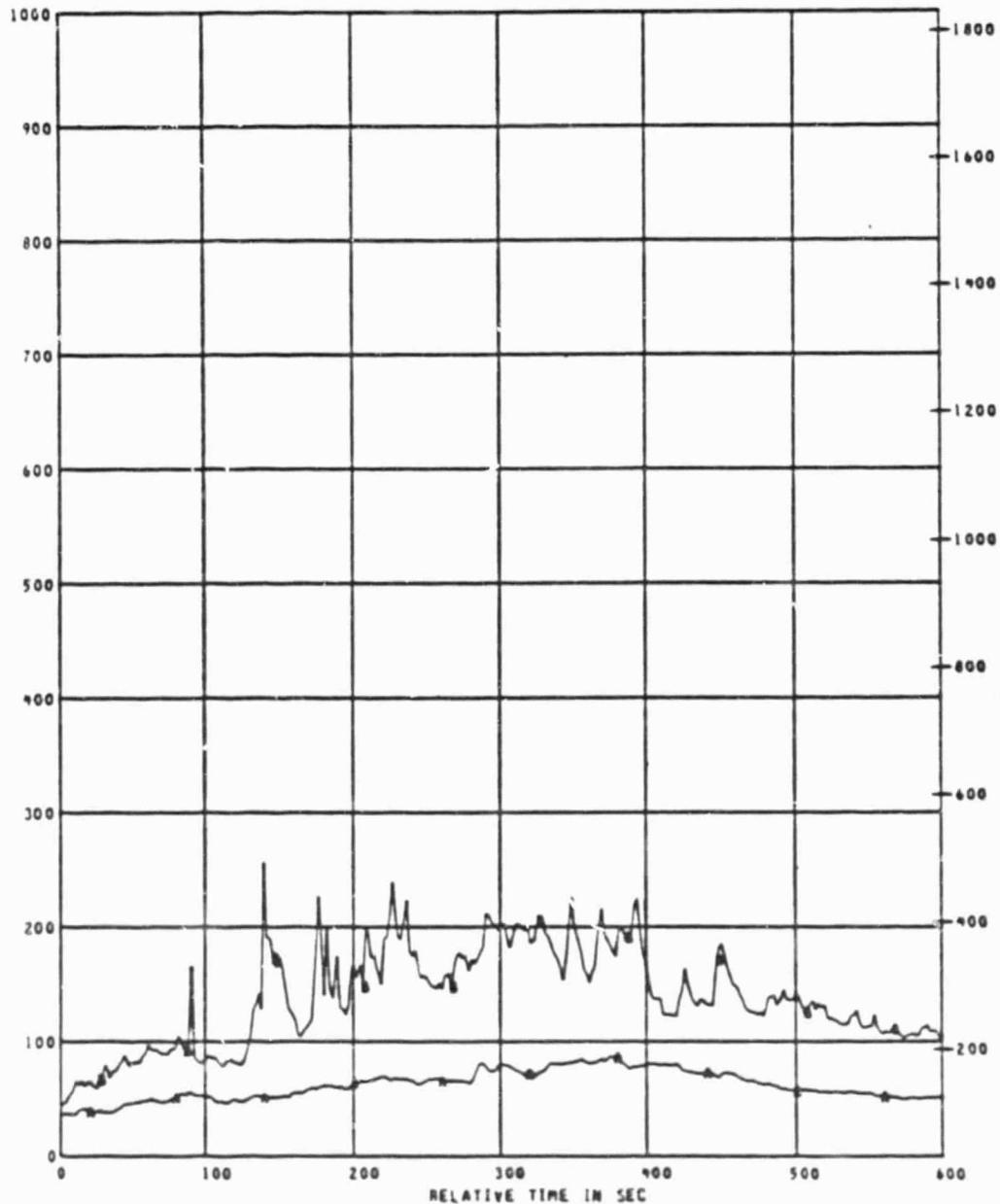
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E  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
2 TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 13 51 05.000



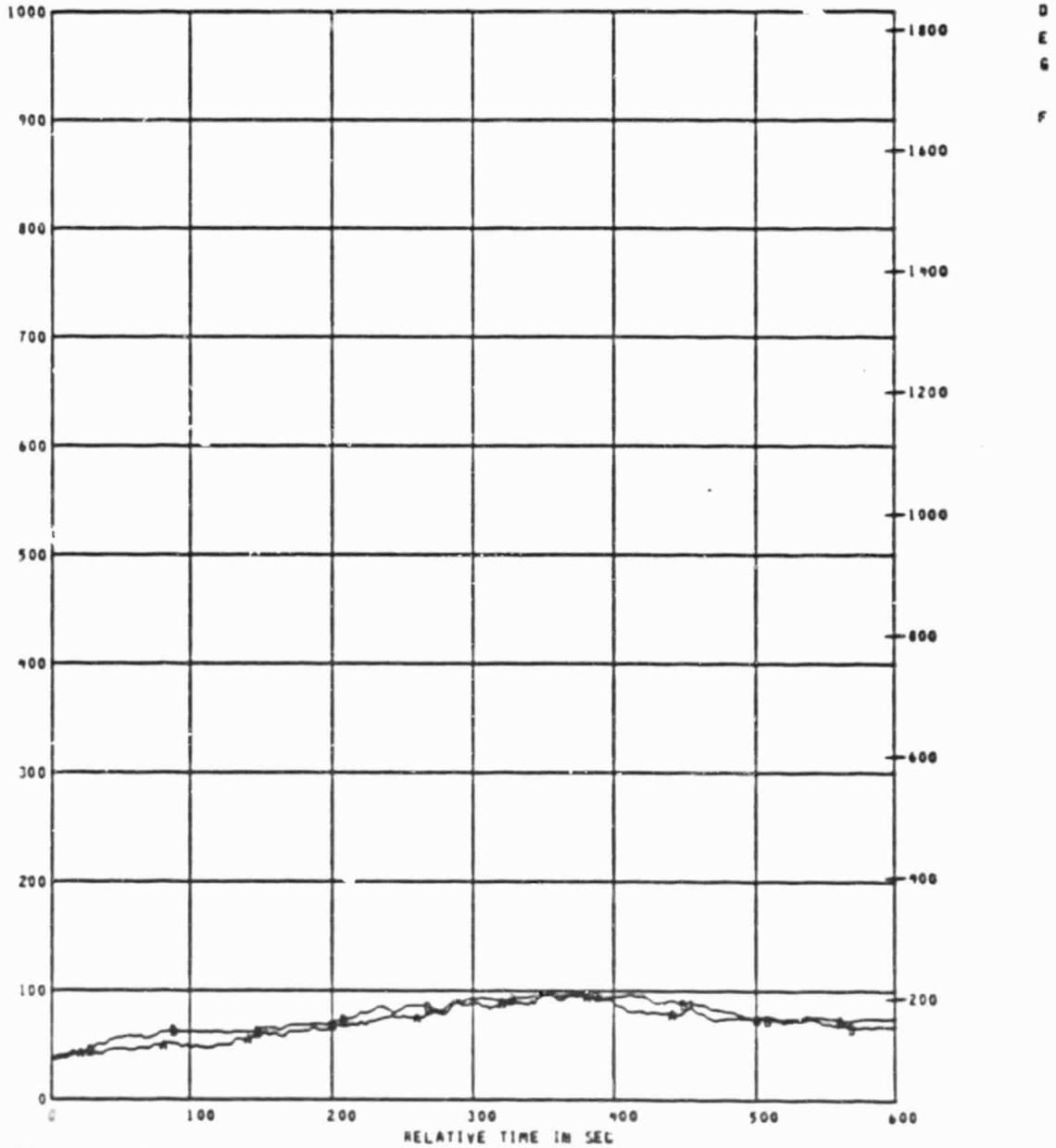
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 13 51 05.000



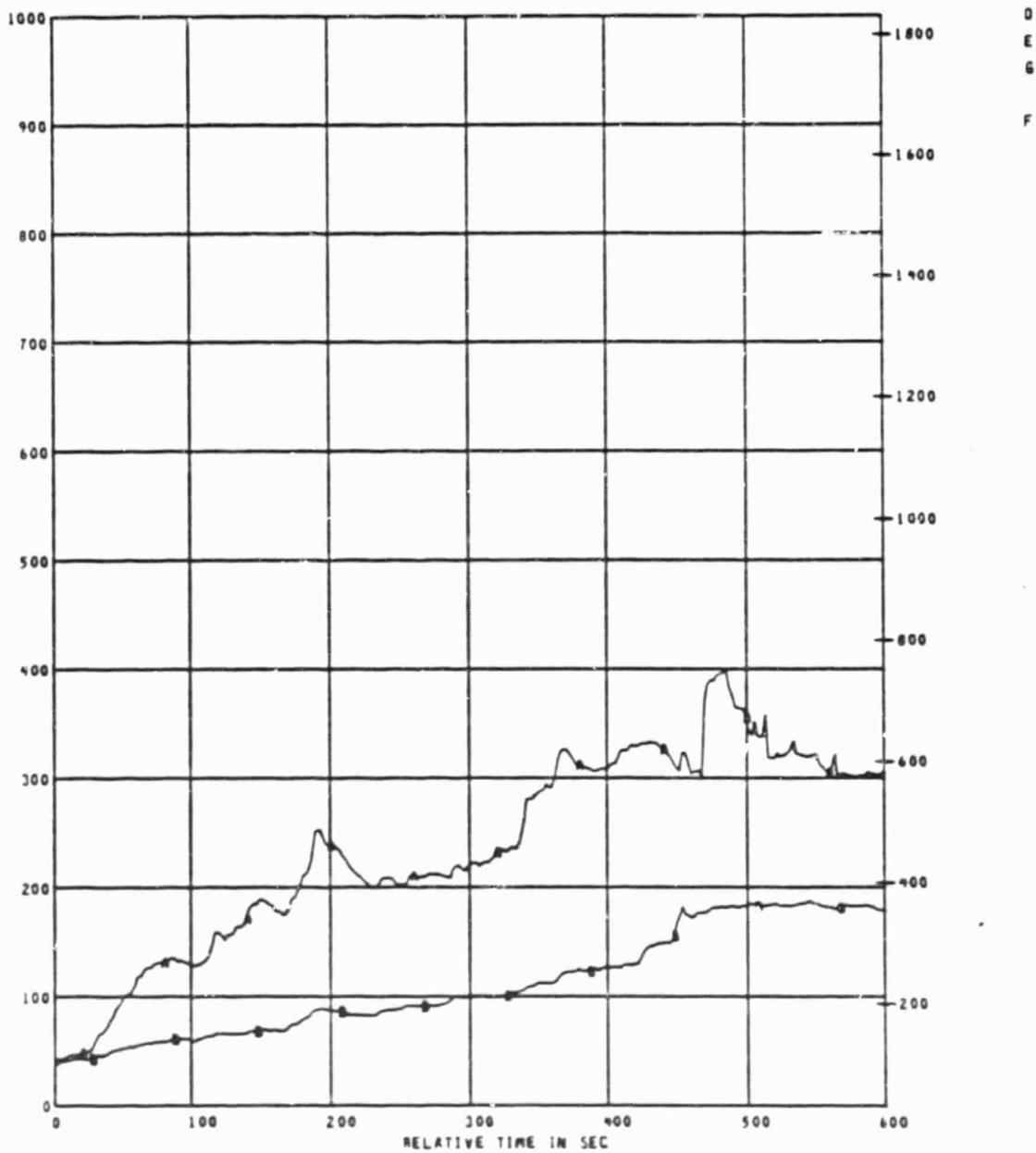
D  
E  
G  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER NEAR	0 TO 1000	DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1986 PLOT NO 10 - 1

REFERENCE TIME 13 51 05.000

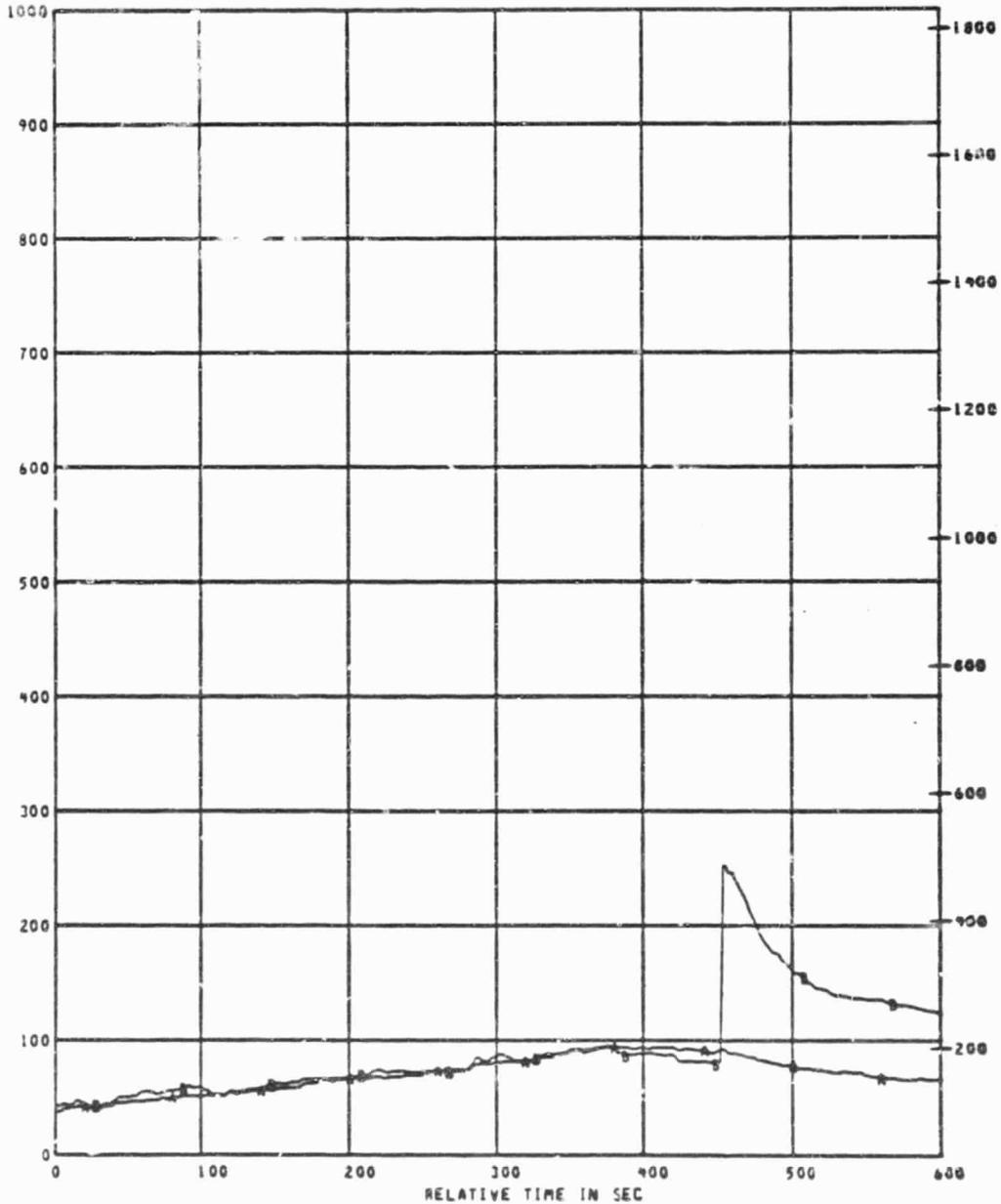


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 13 51 05.000



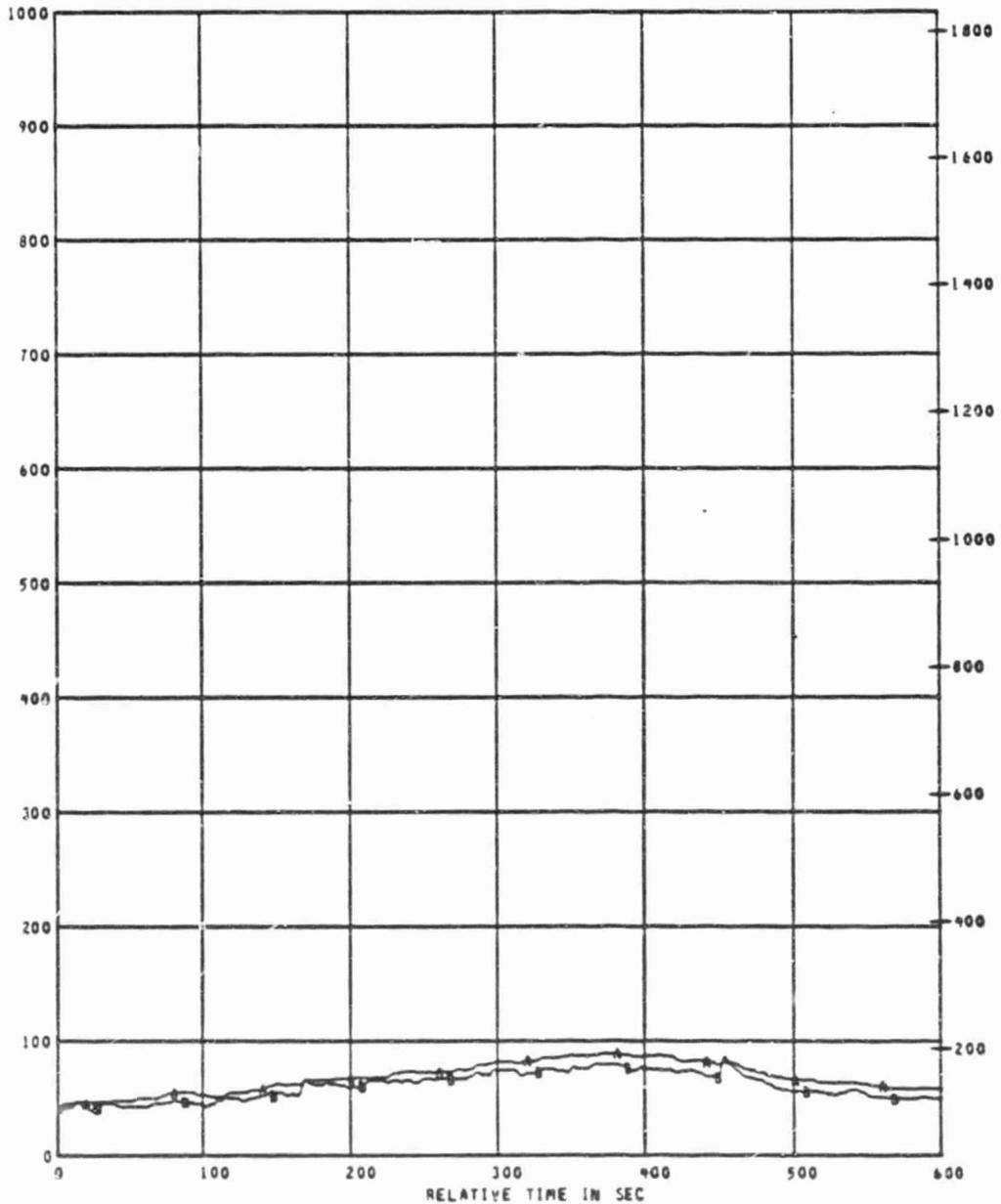
D  
E  
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REAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSN3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 51 05.000

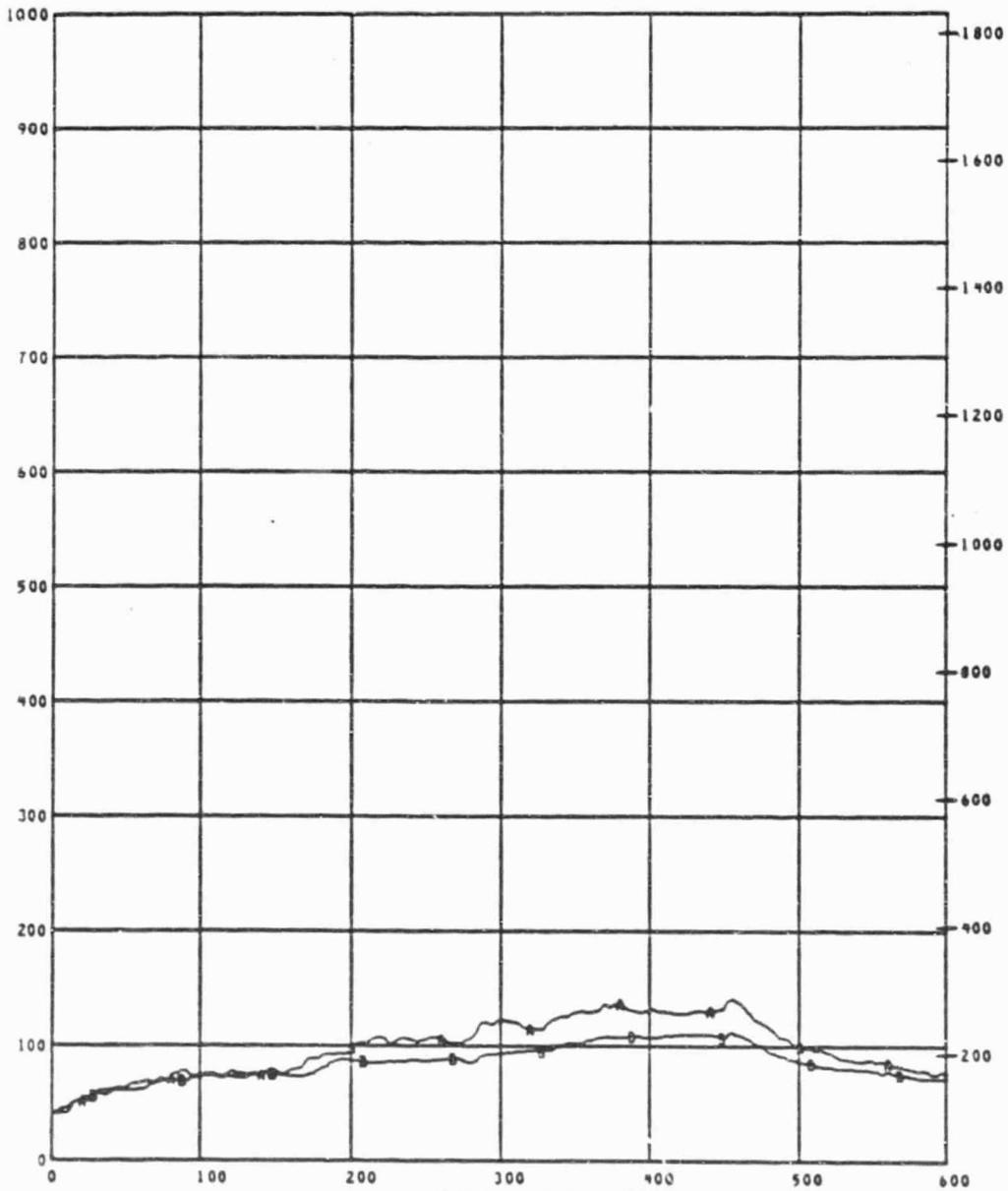


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 13 51 05.000

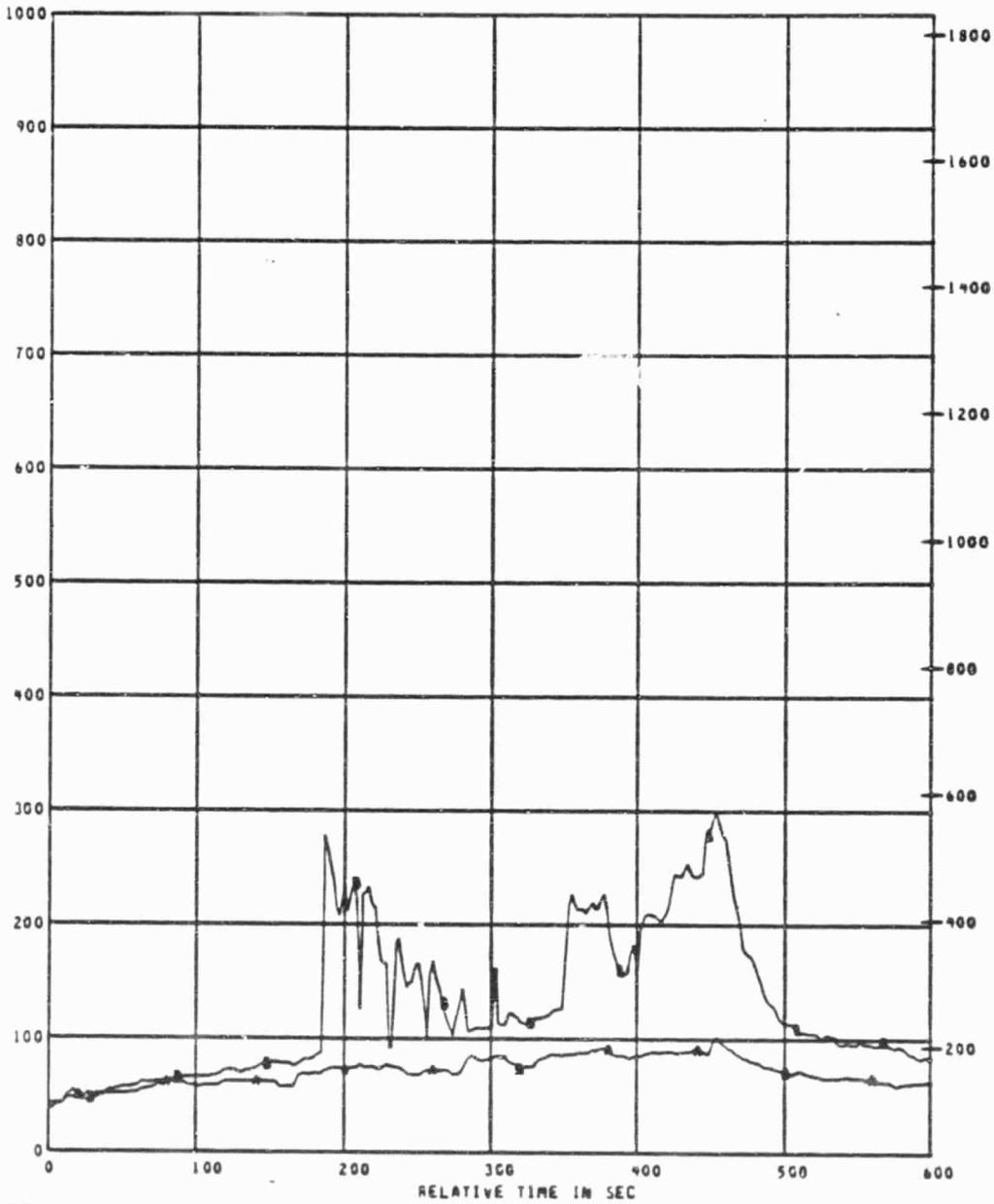


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
5 TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER  
\$ TBC3  
\$ TBRI

CHANNEL ASGN.  
115  
116

TITLE  
TEMP-BACK CENTER TOP  
TEMP-BACK RIGHT BOTTOM

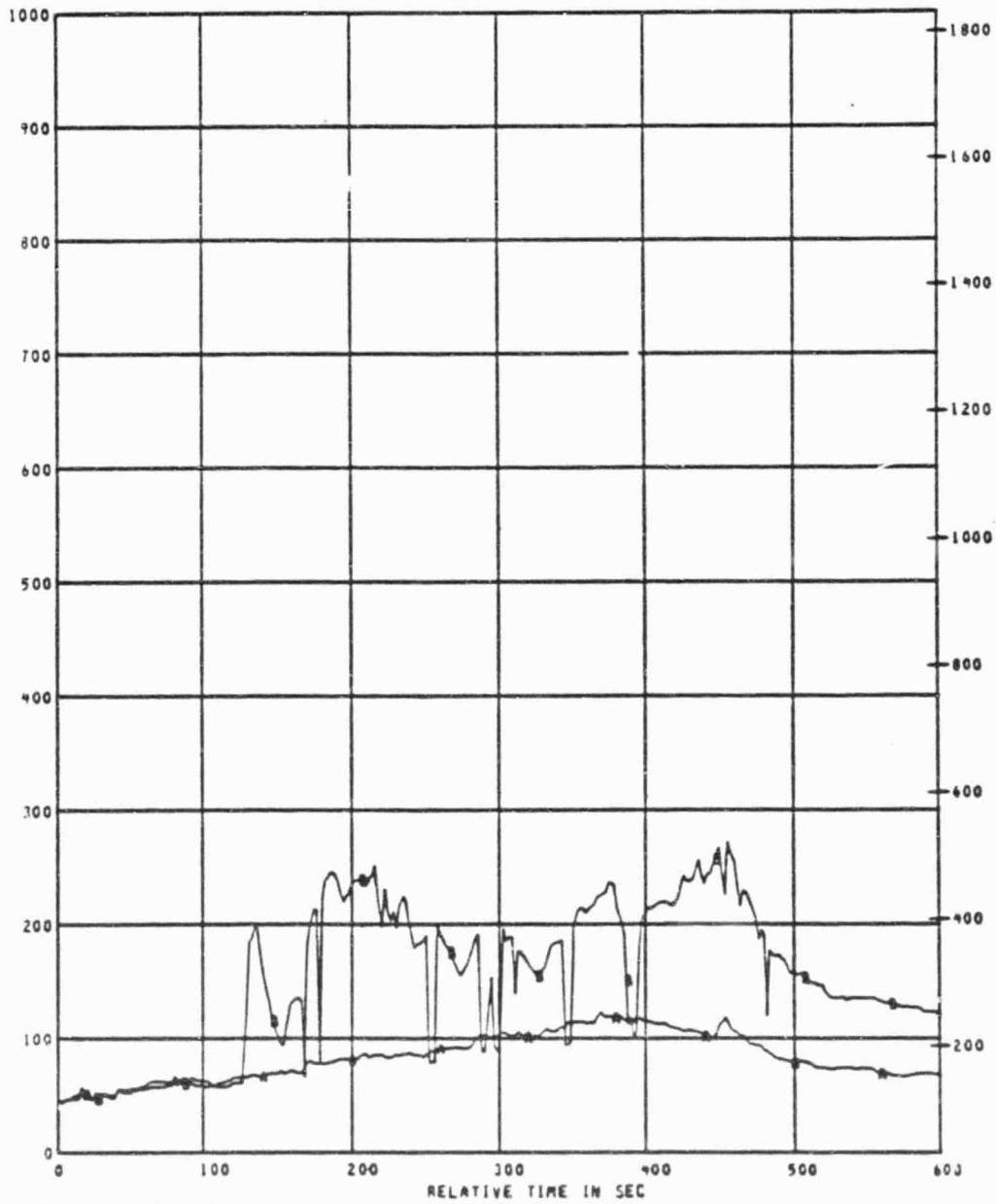
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 13 51 05.000

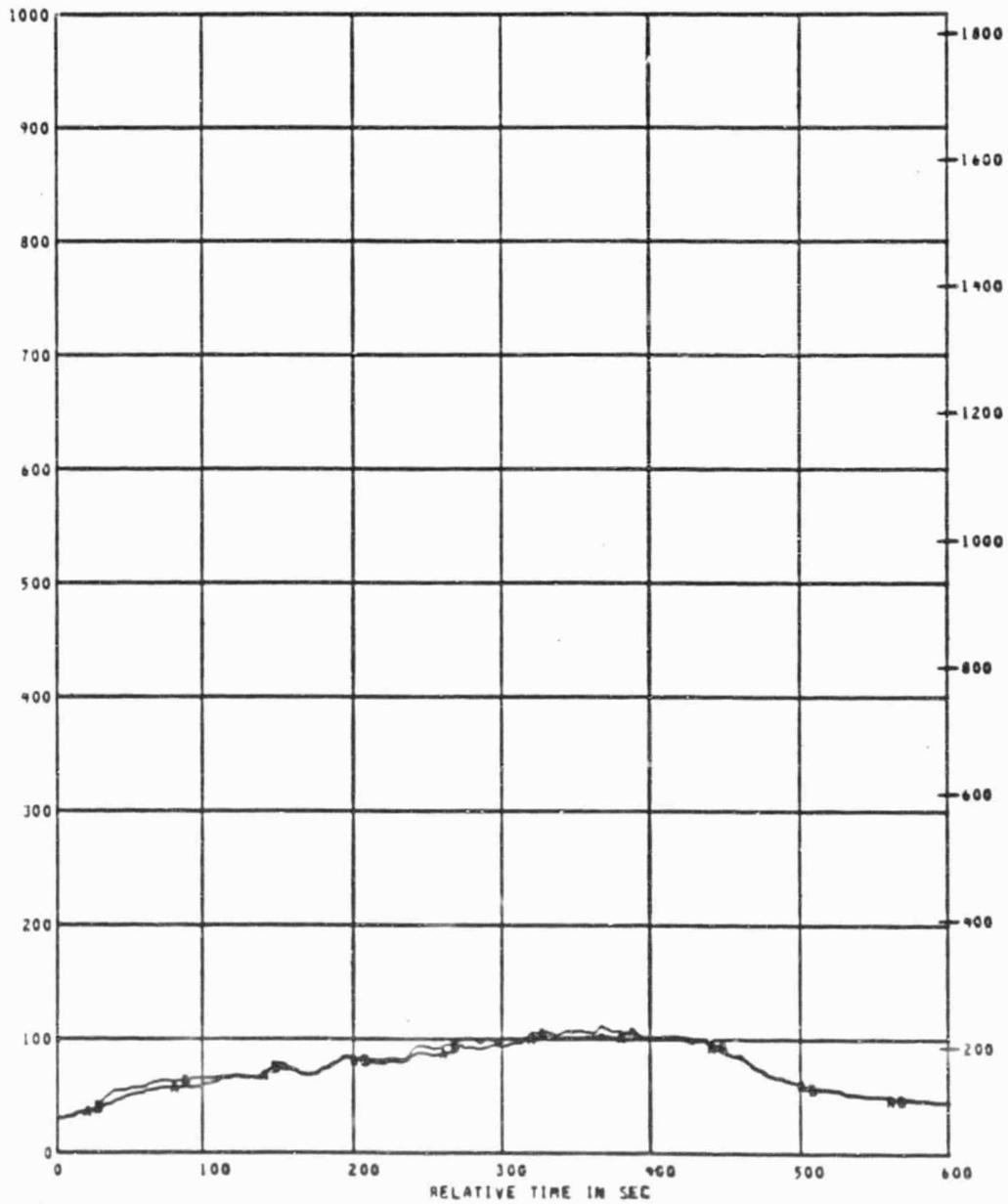


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 13 51 05.000

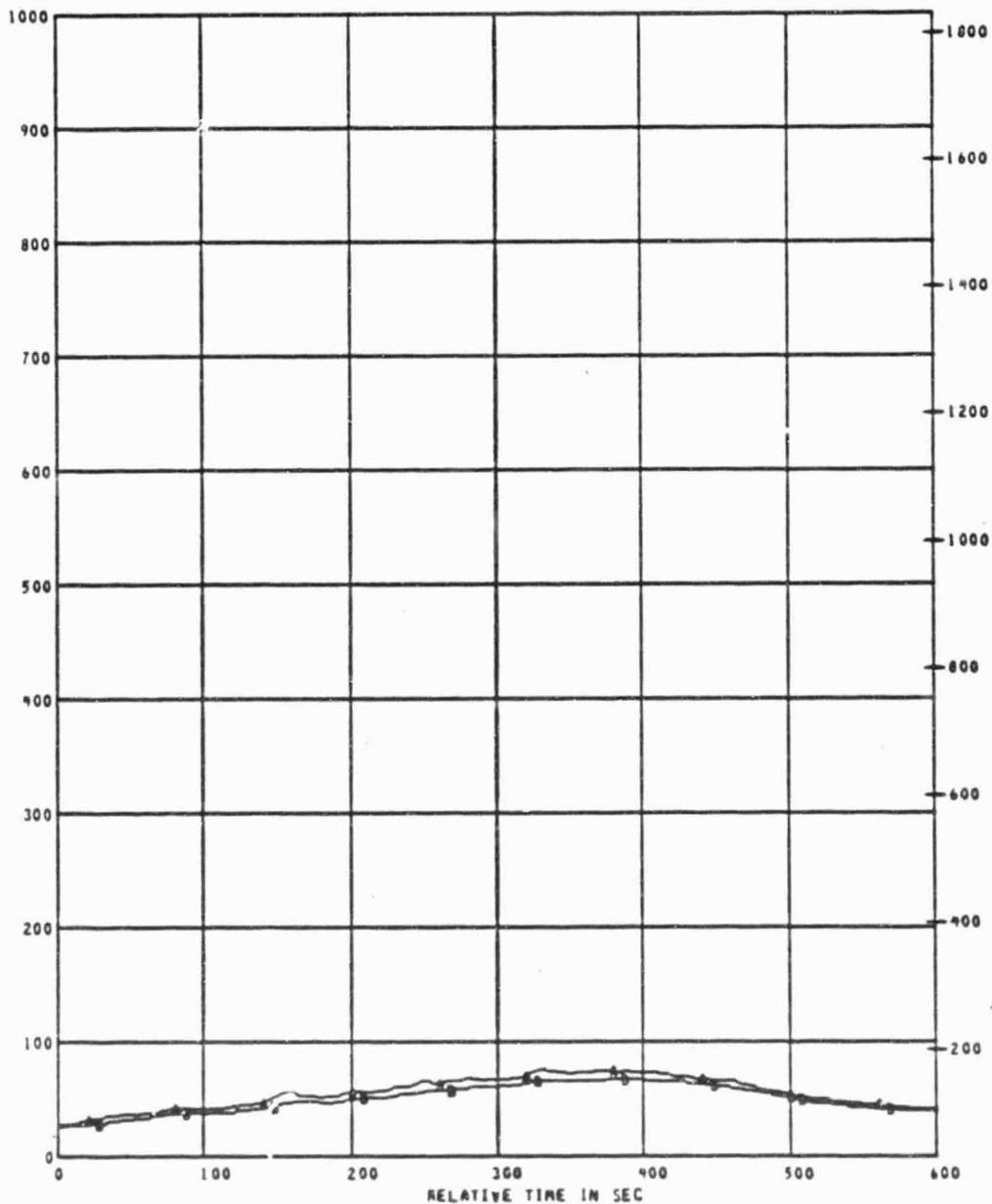


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
1 TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 13 51 05.000

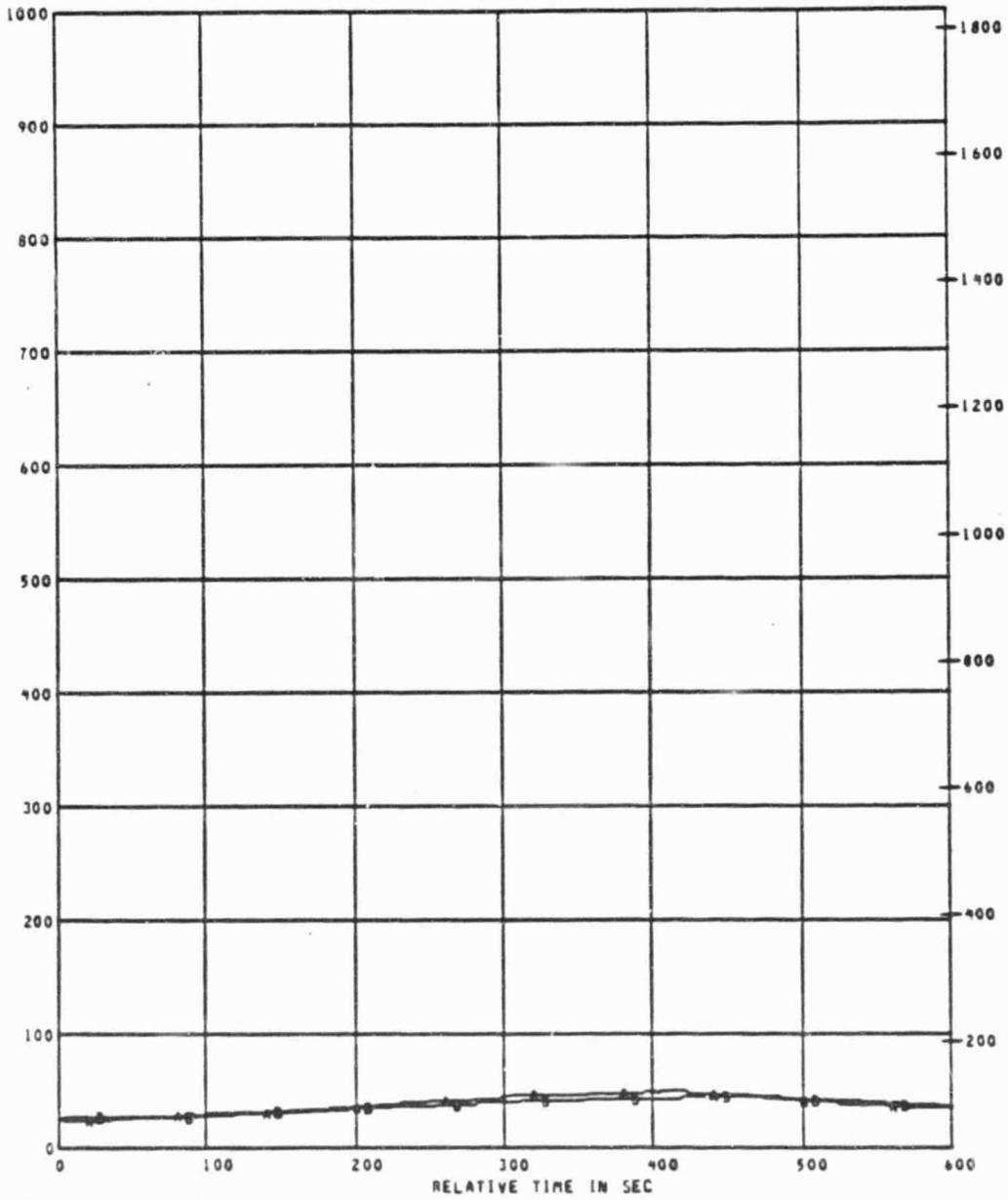


MEAS. NUMBER	CHANNEL ASSN.	TITLE	RANGE	UNITS	GRID-SYM
1 TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
1 TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 13 51 05.000



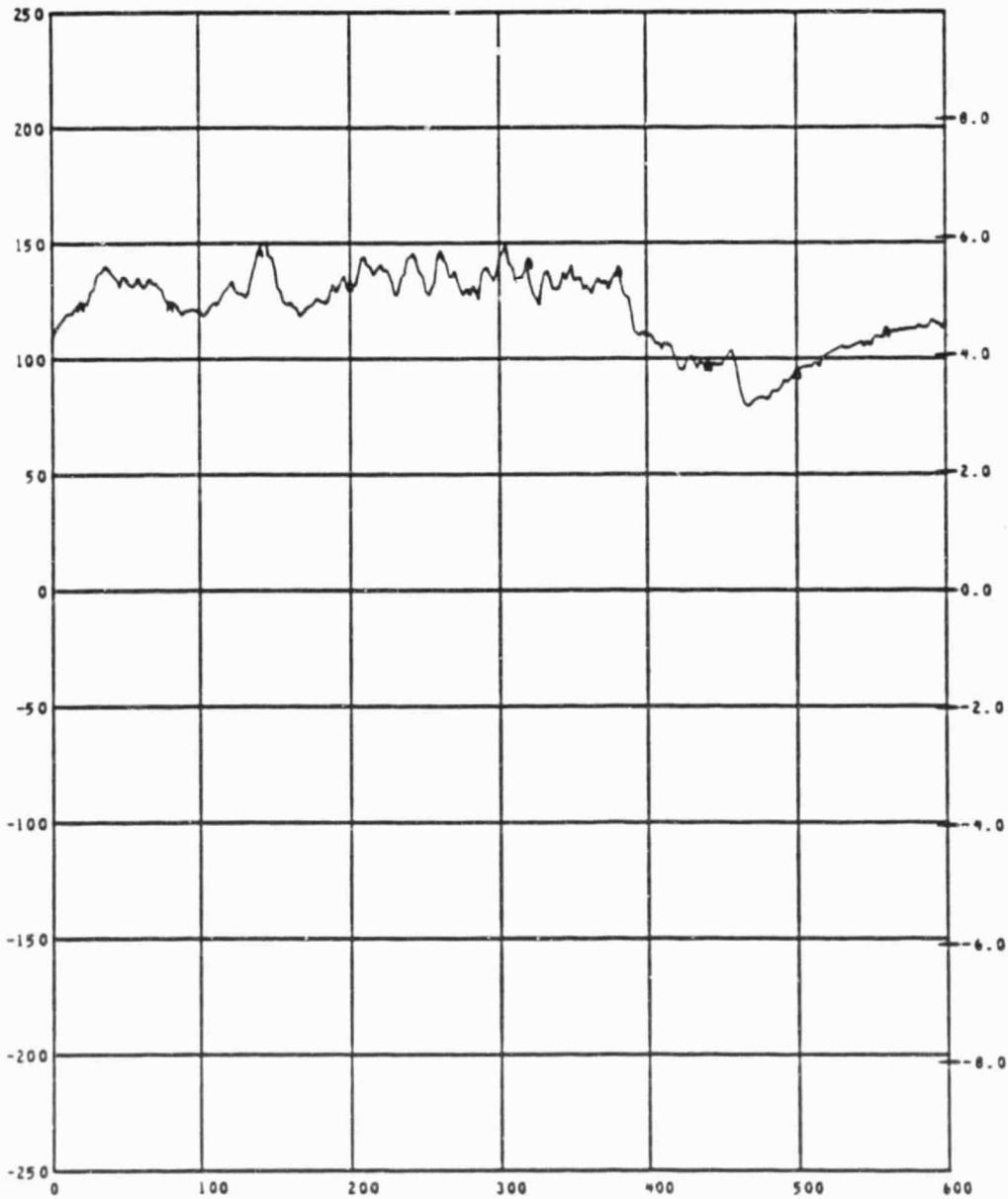
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
* TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 51 05.000



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MEAS. NUMBER  
6 DPC

CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

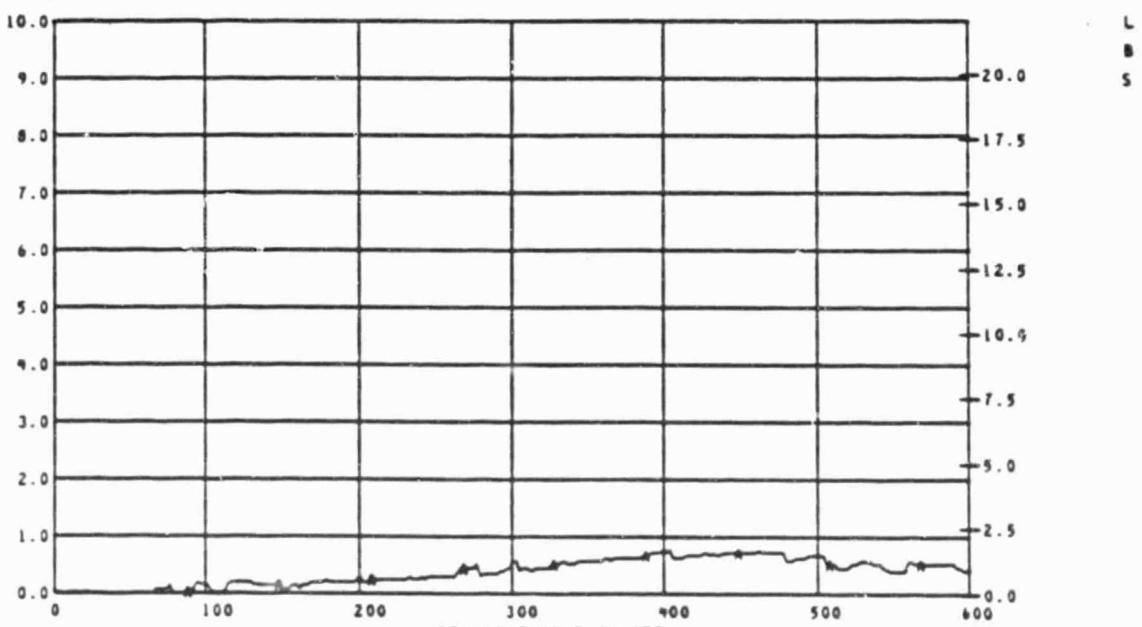
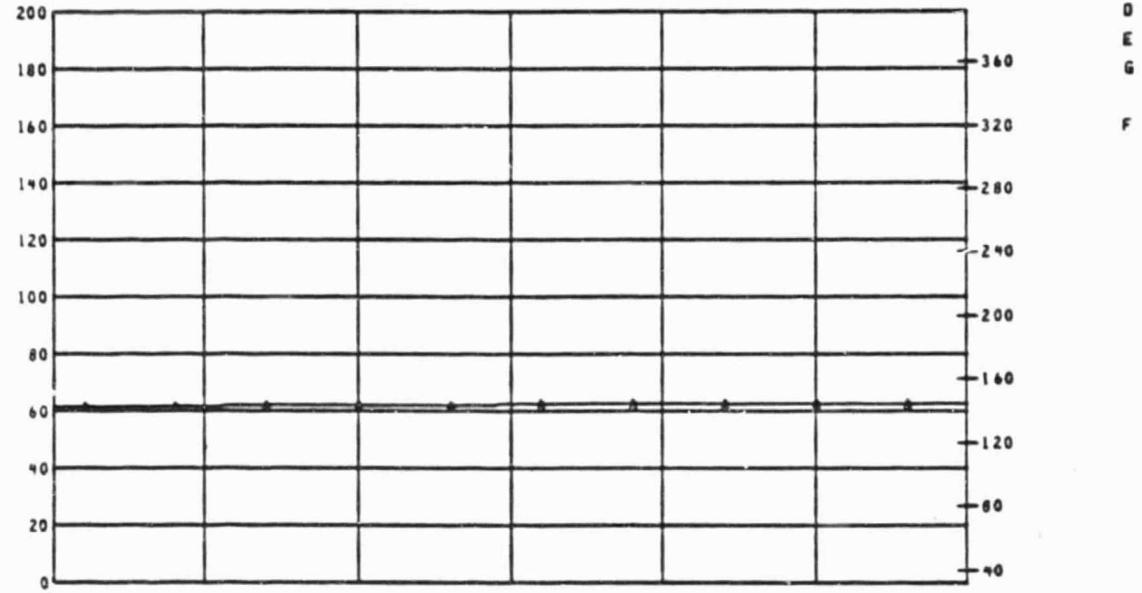
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H2O AA

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 13 51 05.000

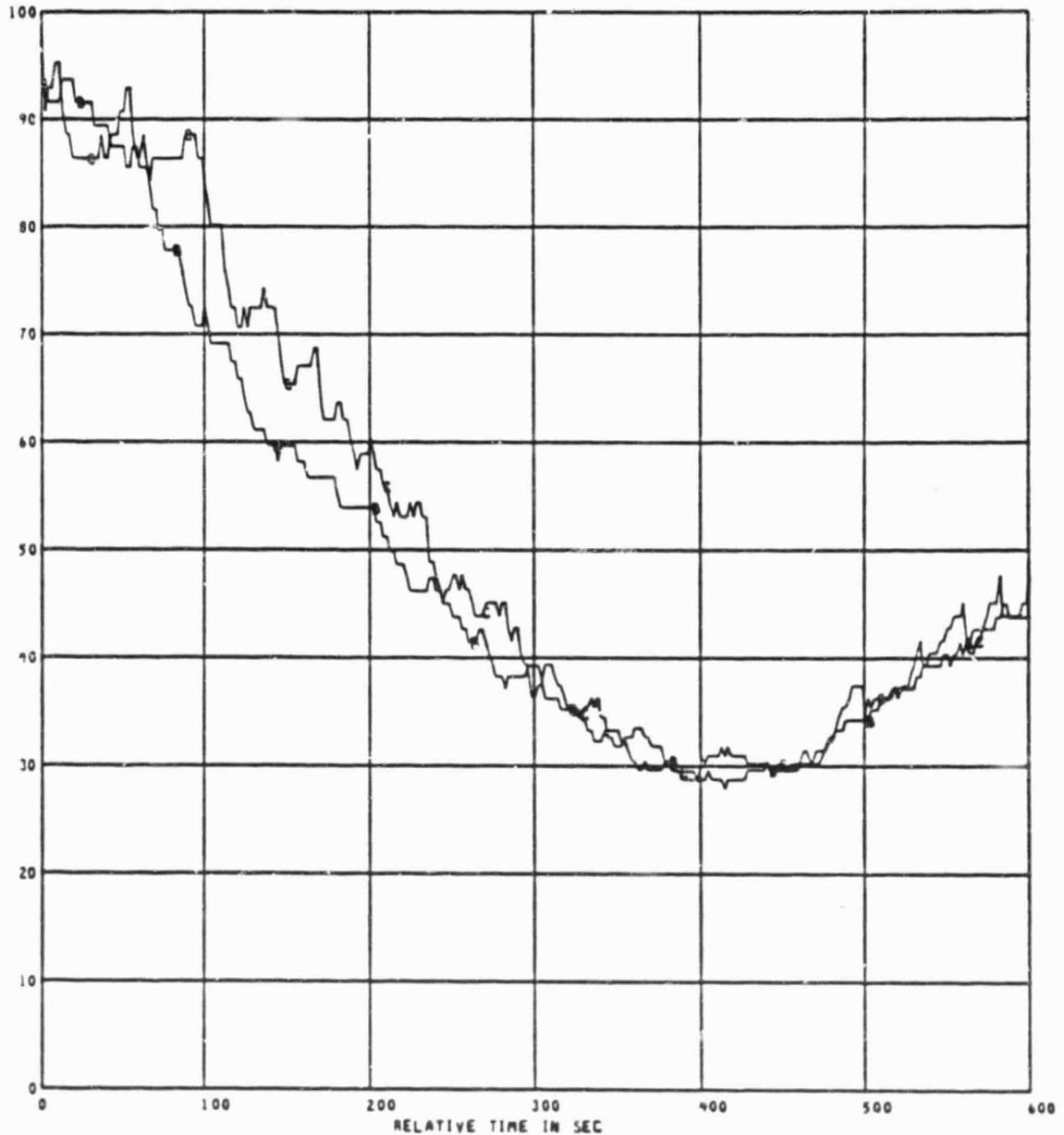


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
5 WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS9B

SEAT TST-OCT 1990 PLOT NO 1 - 1

REFERENCE TIME 16 44 19.000

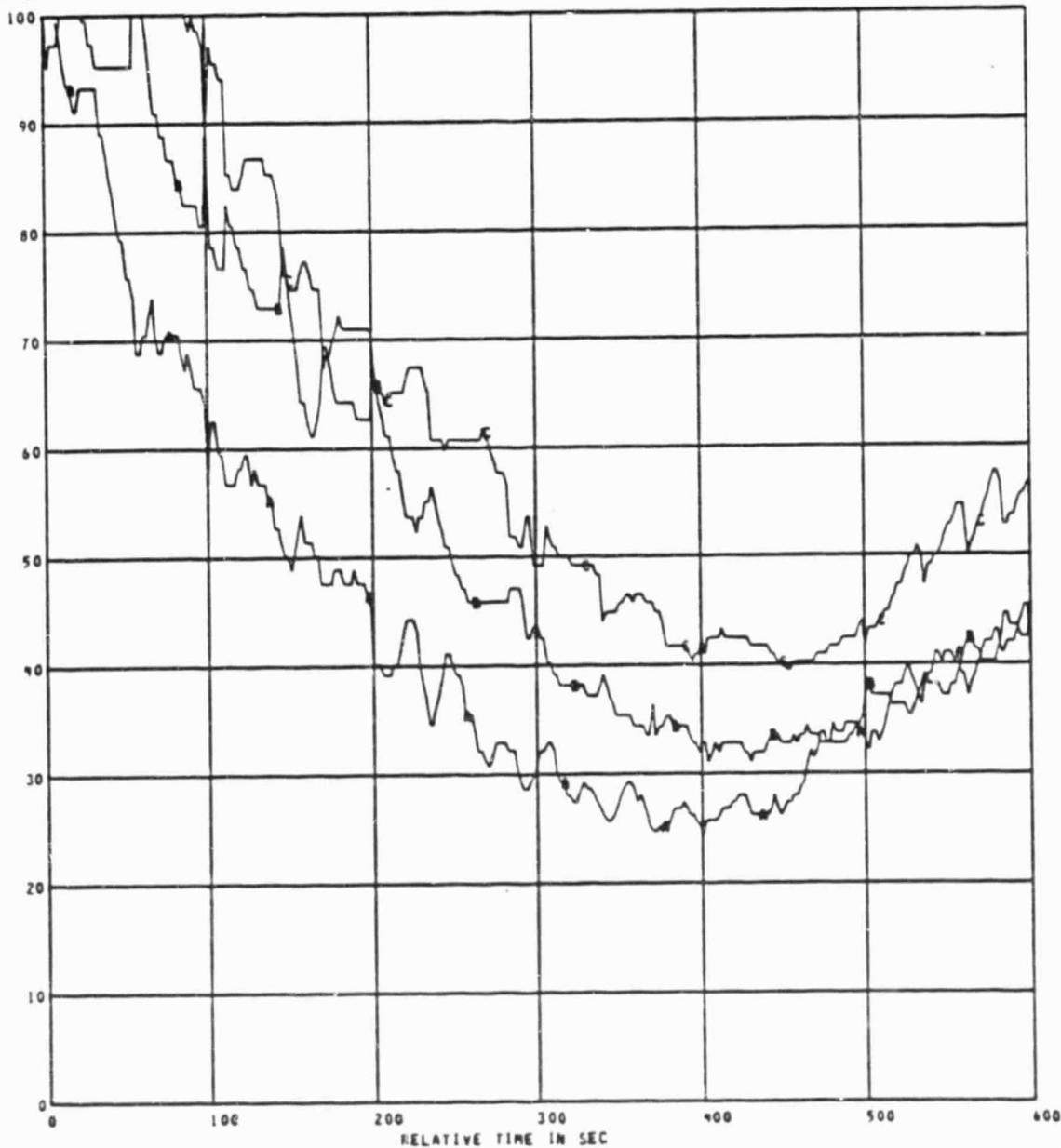


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AB
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NASSB

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 16 44 19.000

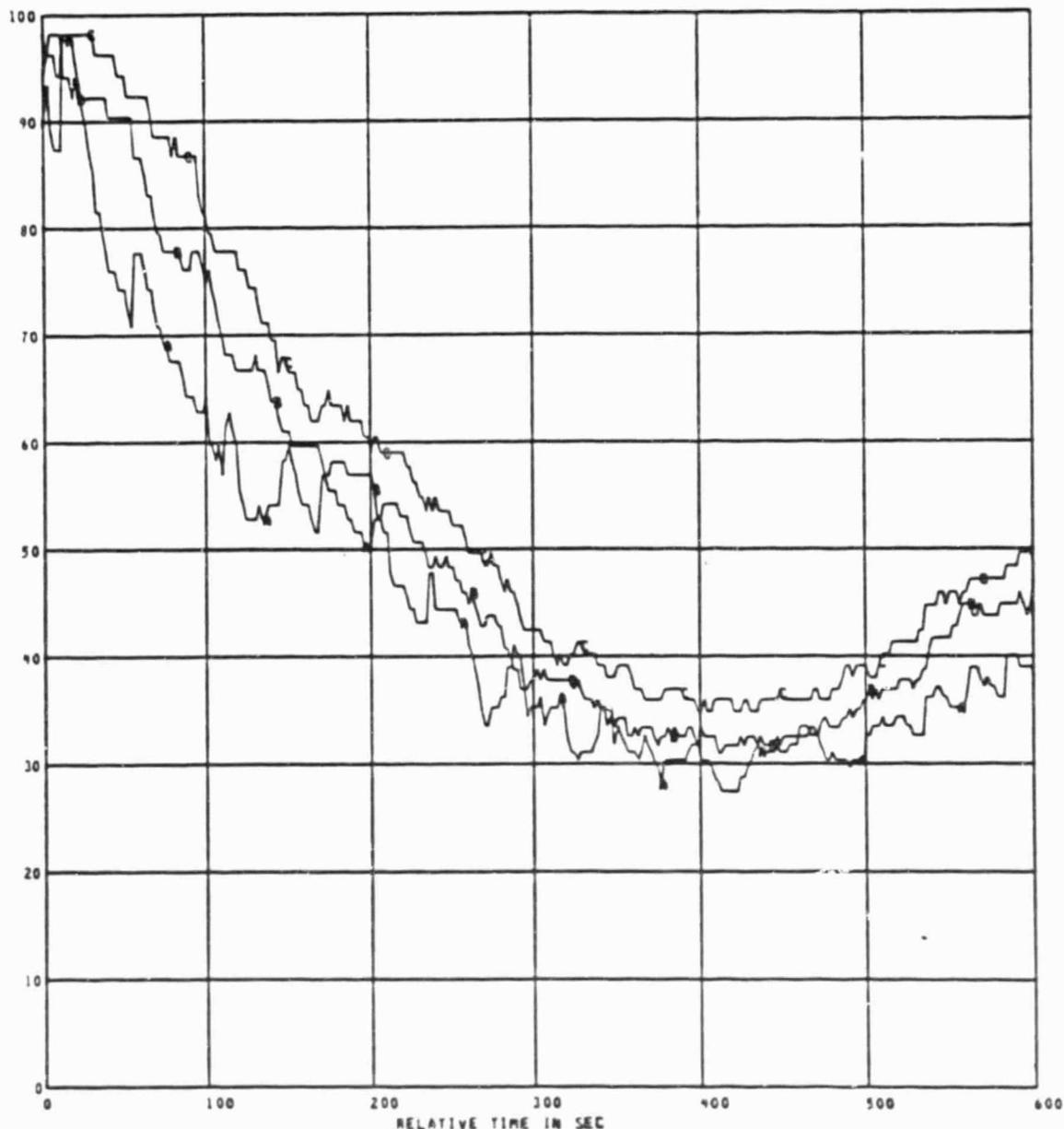


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 16 44 19.000

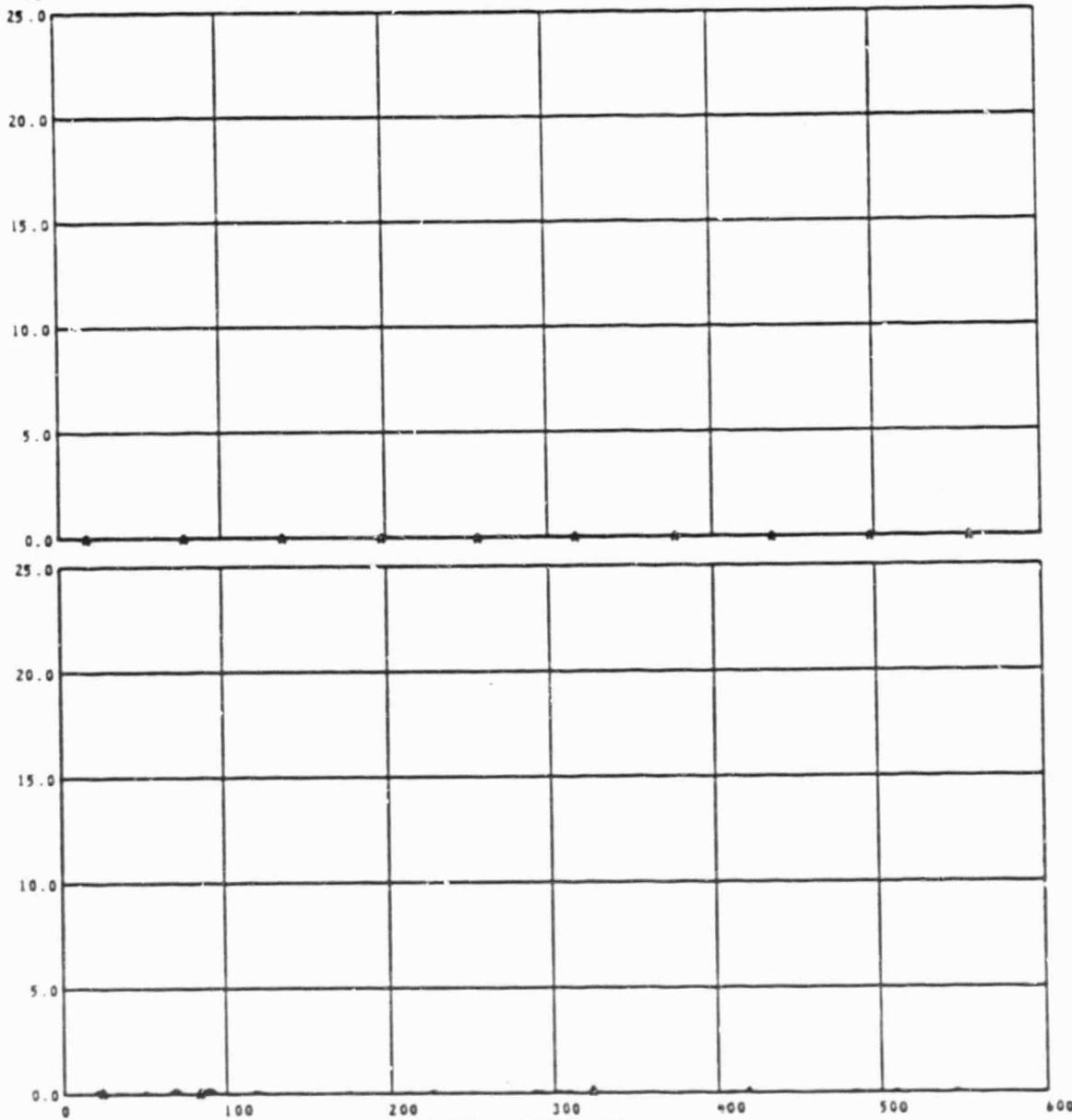


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASSB

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 16 44 19.000

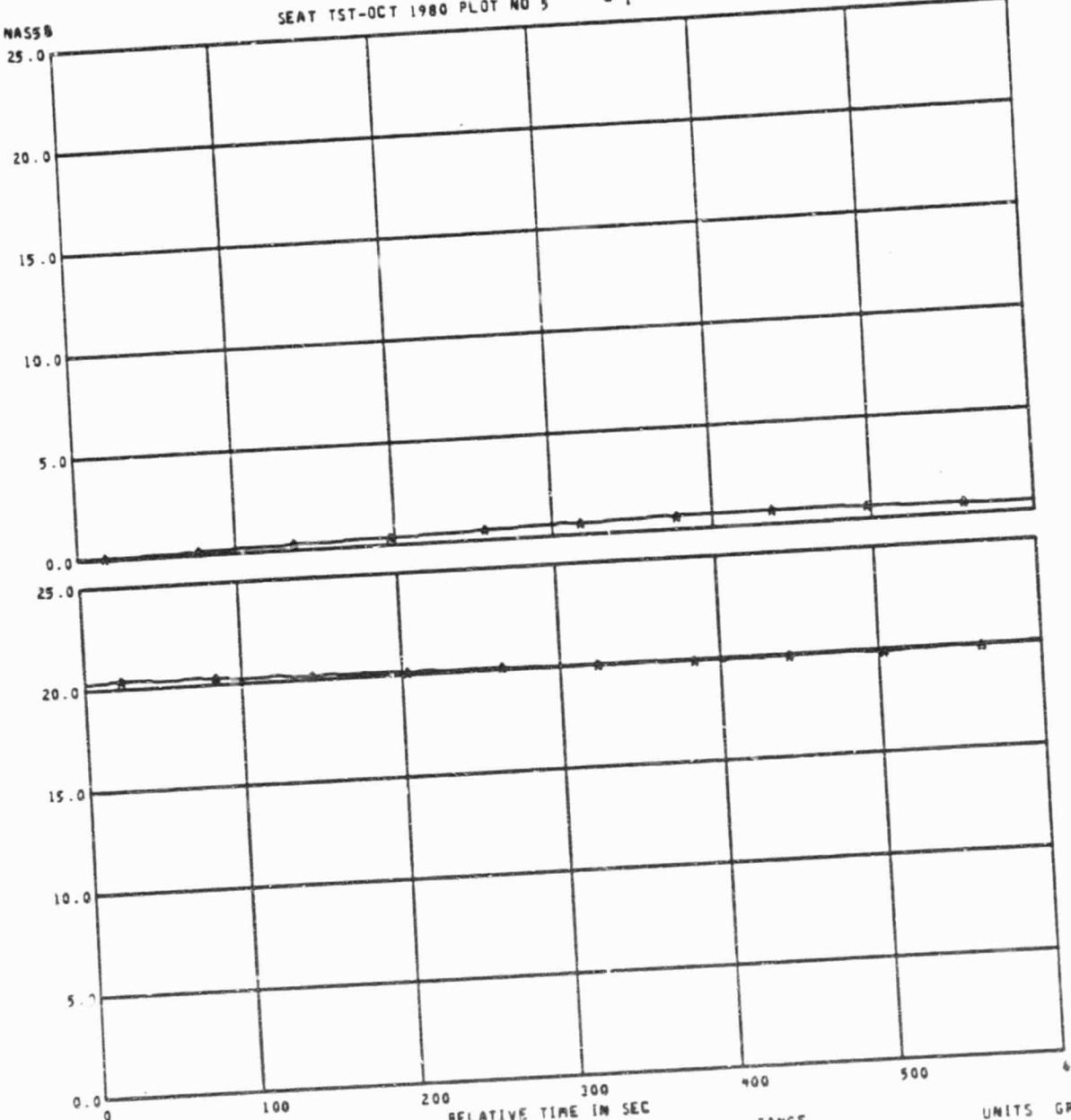


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHIE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

REFERENCE TIME 16 49 19.000

SEAT TST-OCT 1980 PLOT NO 5 - 1

TEST ID NASSB



MEAS. NUMBER  
CO2E  
O2E

CHANNEL ASGN.  
090  
099

TITLE  
CARBON DIOXIDE EXHAUST  
OXYGEN EXHAUST

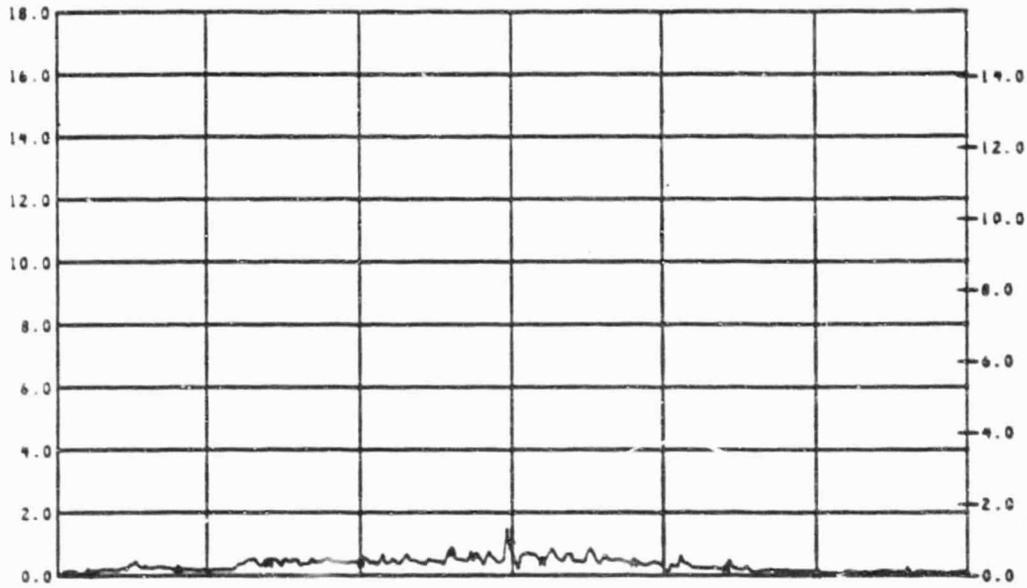
RANGE  
0.0 TO 25.0  
0.0 TO 25.0

UNITS GRID-SYM  
PCT AA  
PCT BA

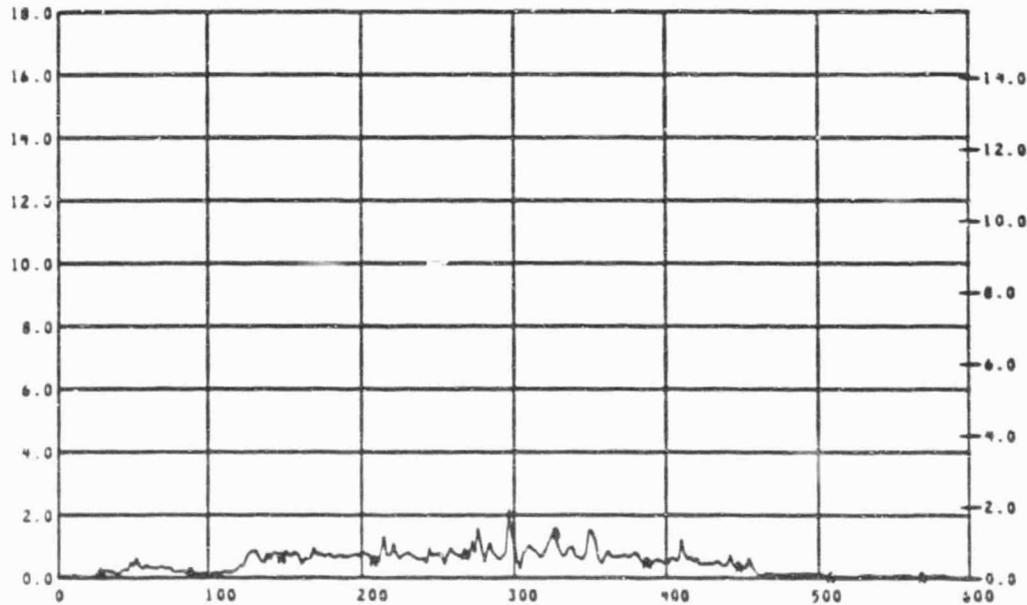
TEST ID NAS9B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 16 49 19.000



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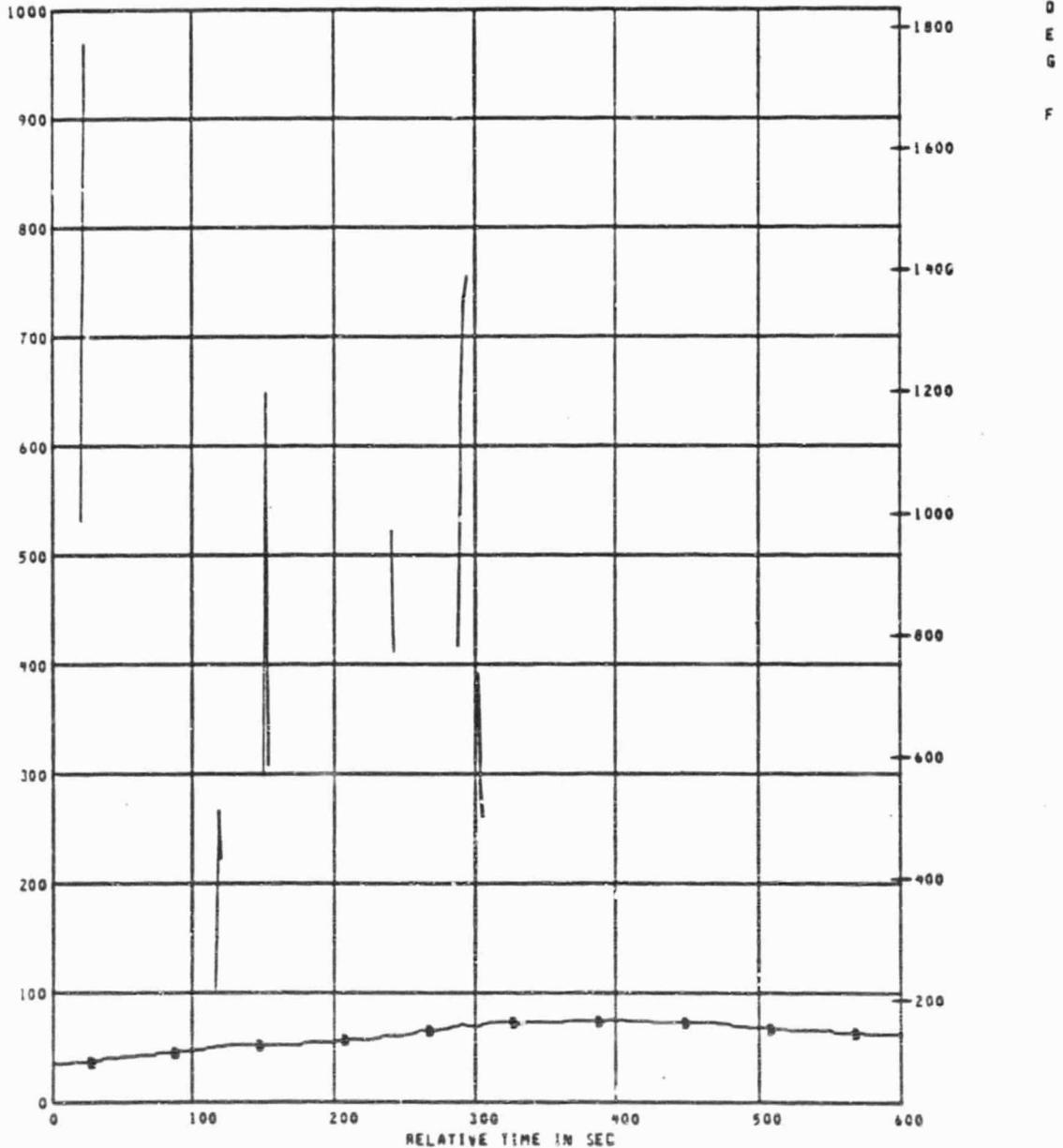
B  
T  
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/  
F  
T  
2

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
5 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
5 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS9B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 16 49 19.000

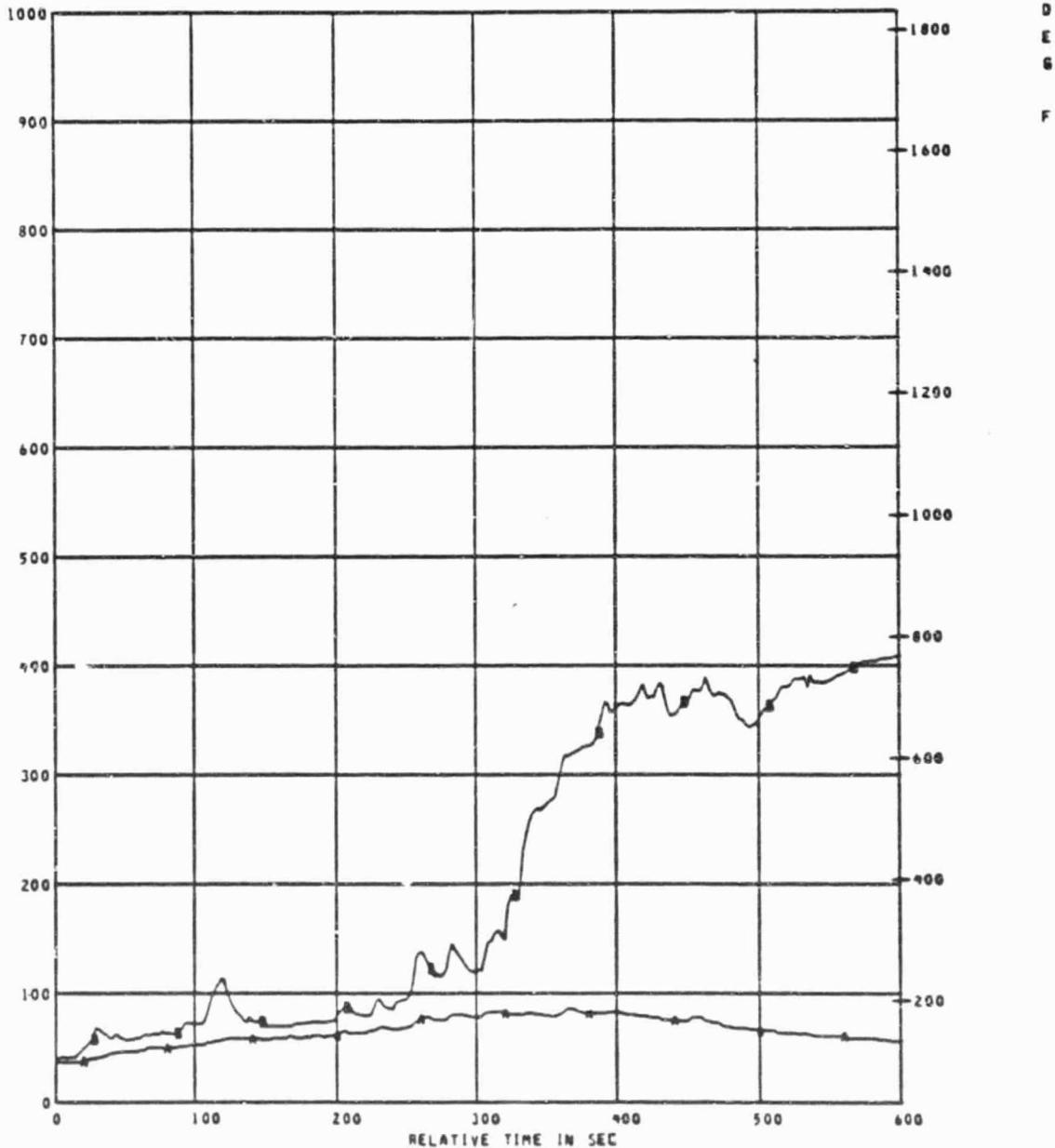


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
3 TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
4 TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID N455B

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 16 44 19.000

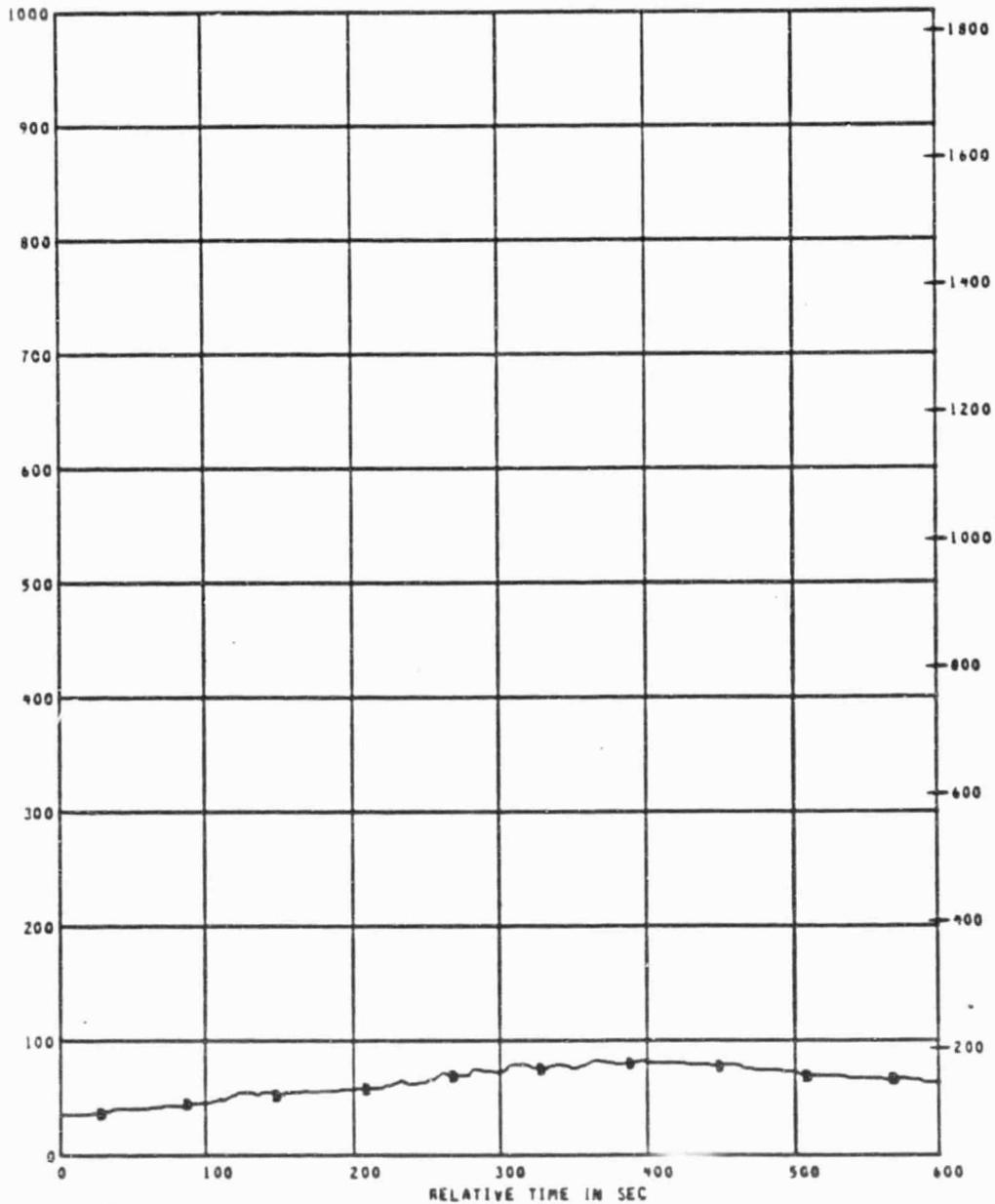


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 16 44 19.000



D  
E  
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REAS. NUMBER	CHANNEL ASGN.
* TSC2	105
* TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

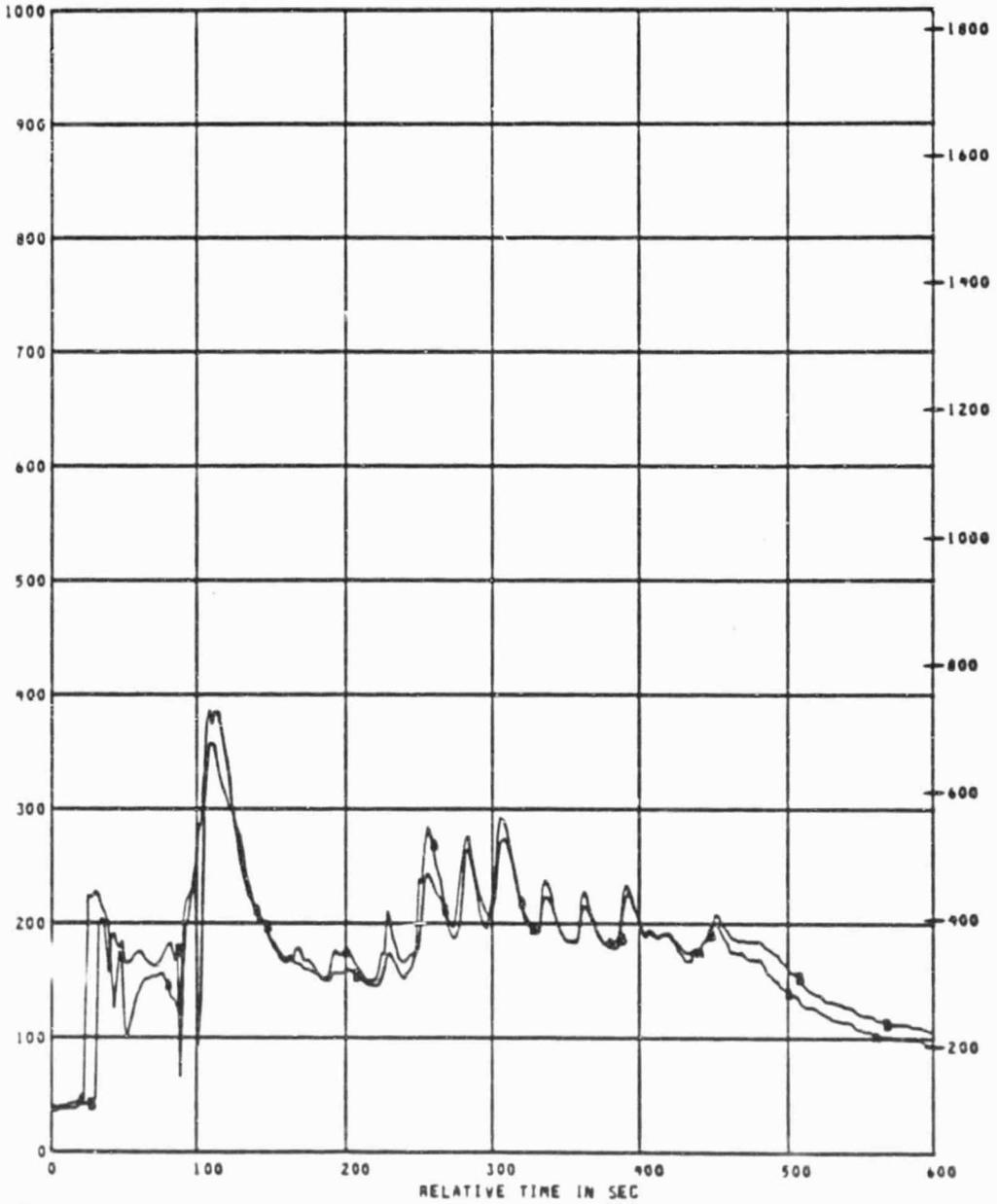
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 16 49 19.000

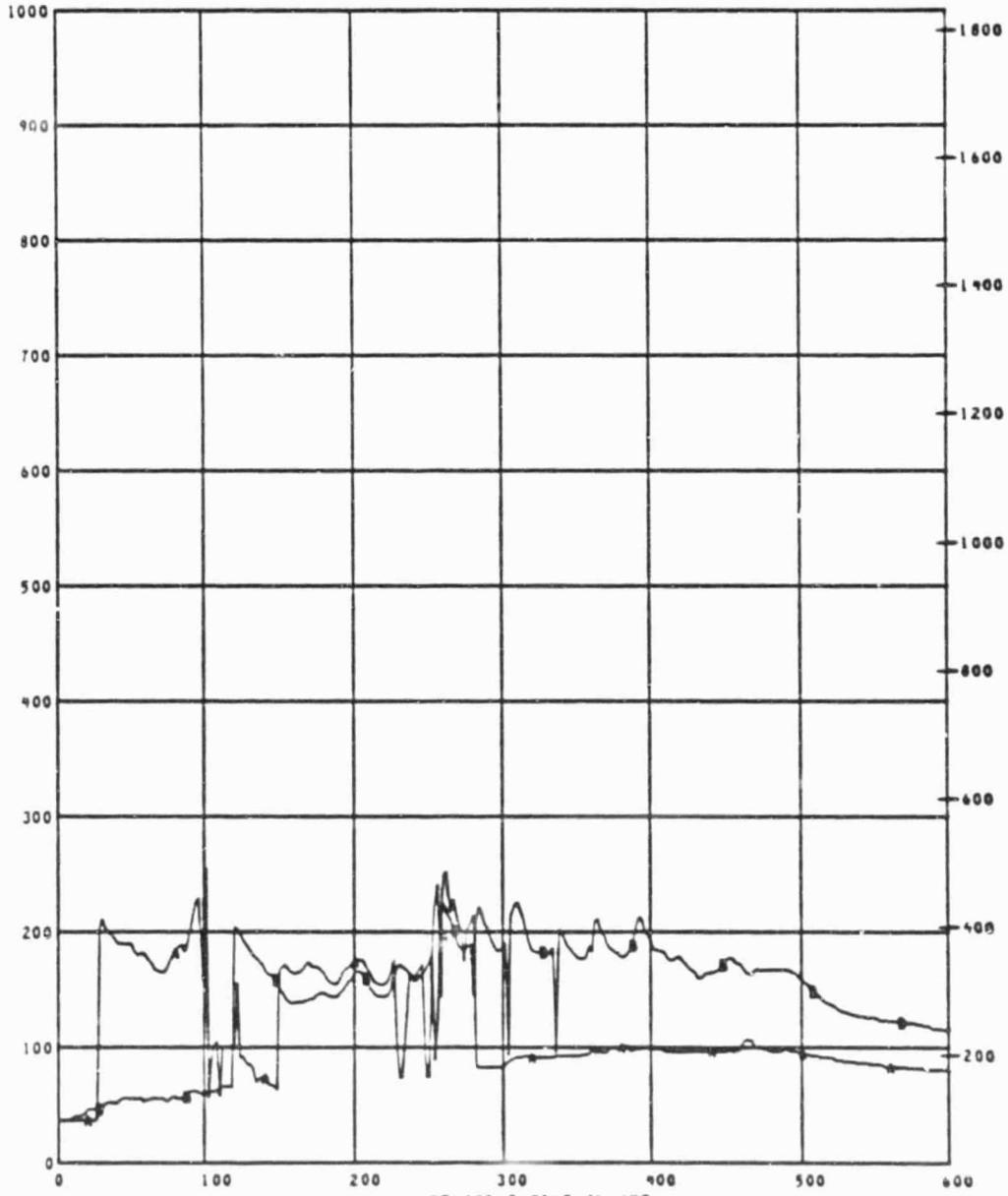


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS9B

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 16 44 19.000



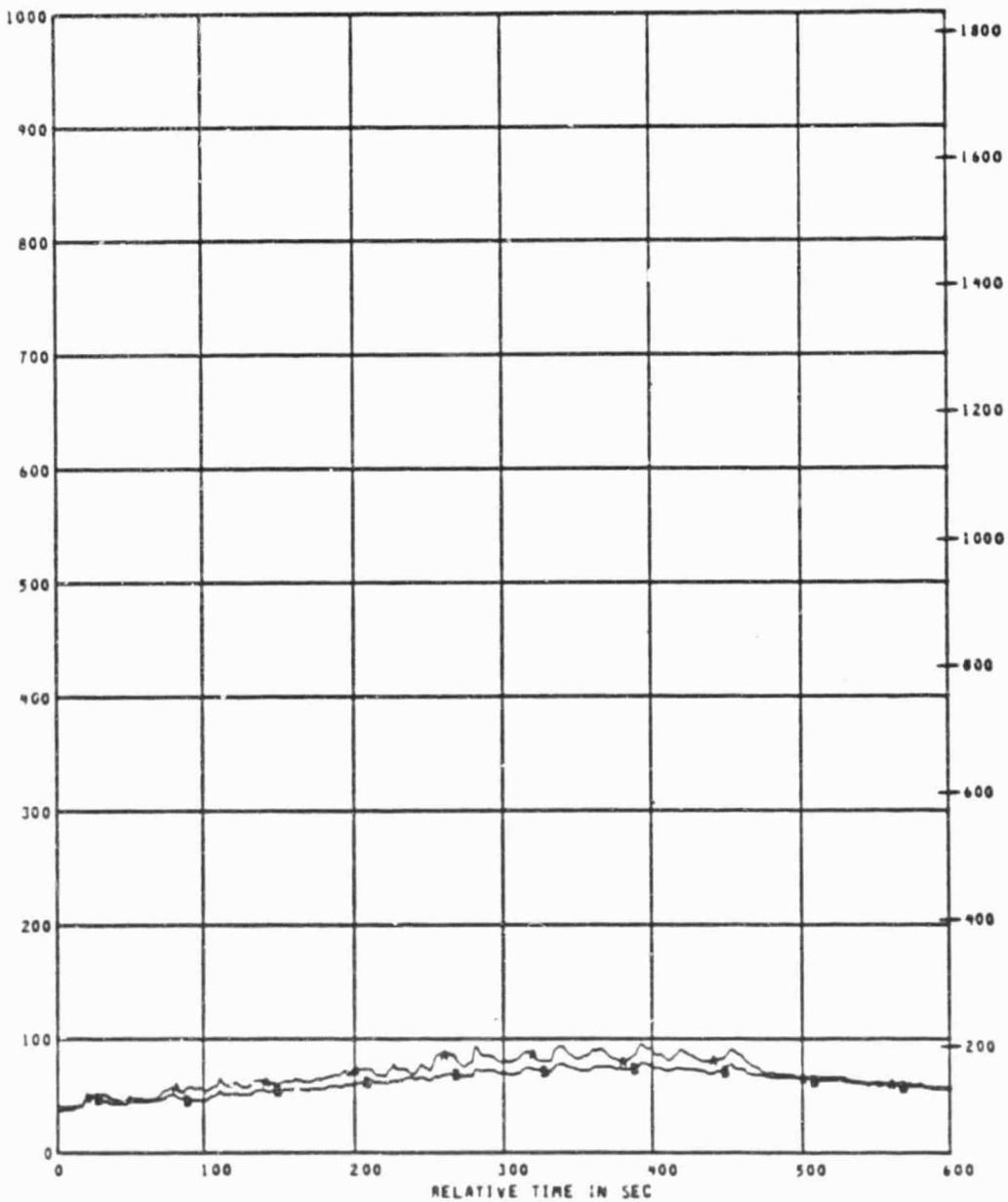
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TSB3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
8 TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASSB

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 16 44 19.000



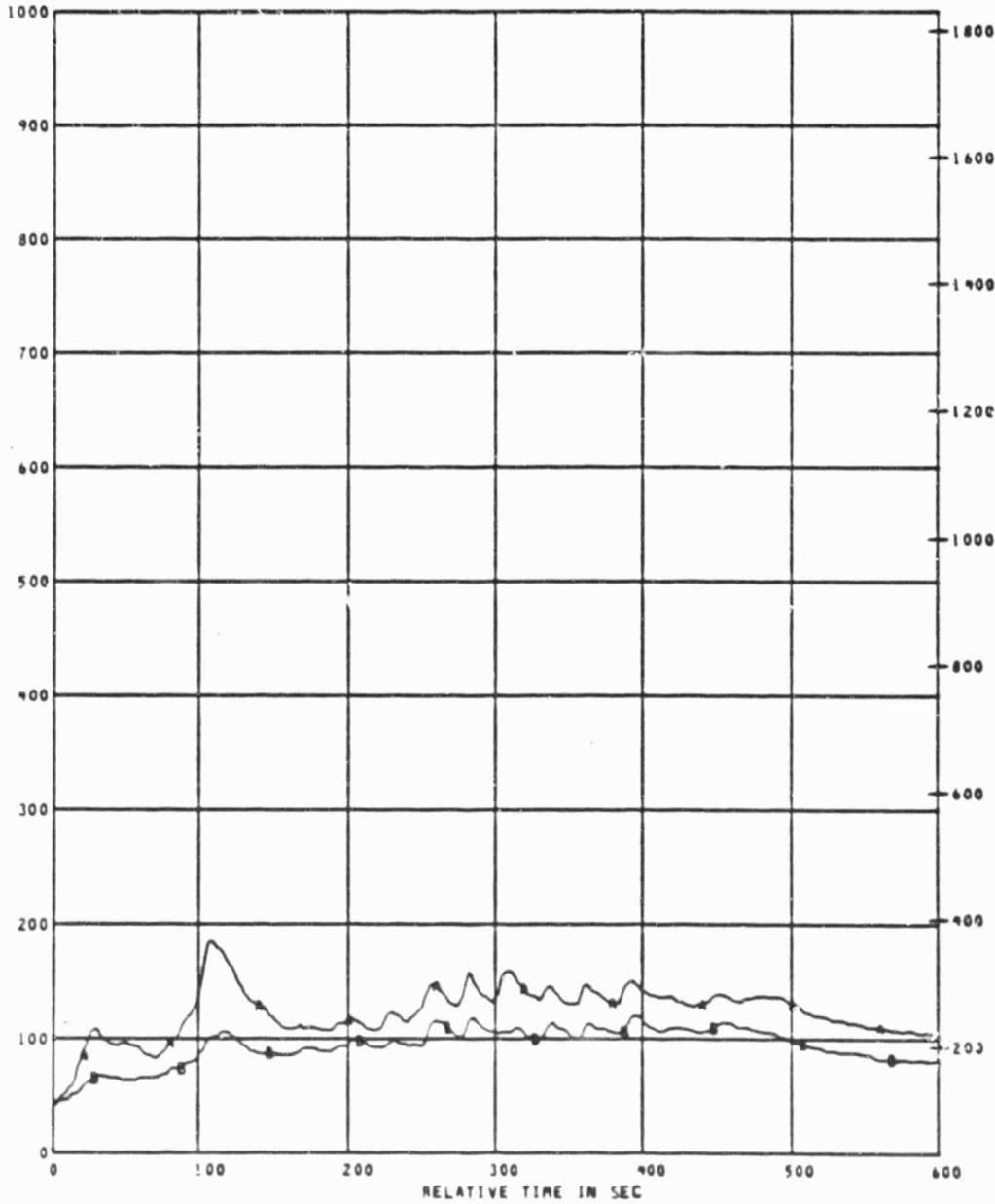
D  
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S  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS58

SEAT T5T-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 16 44 19.000



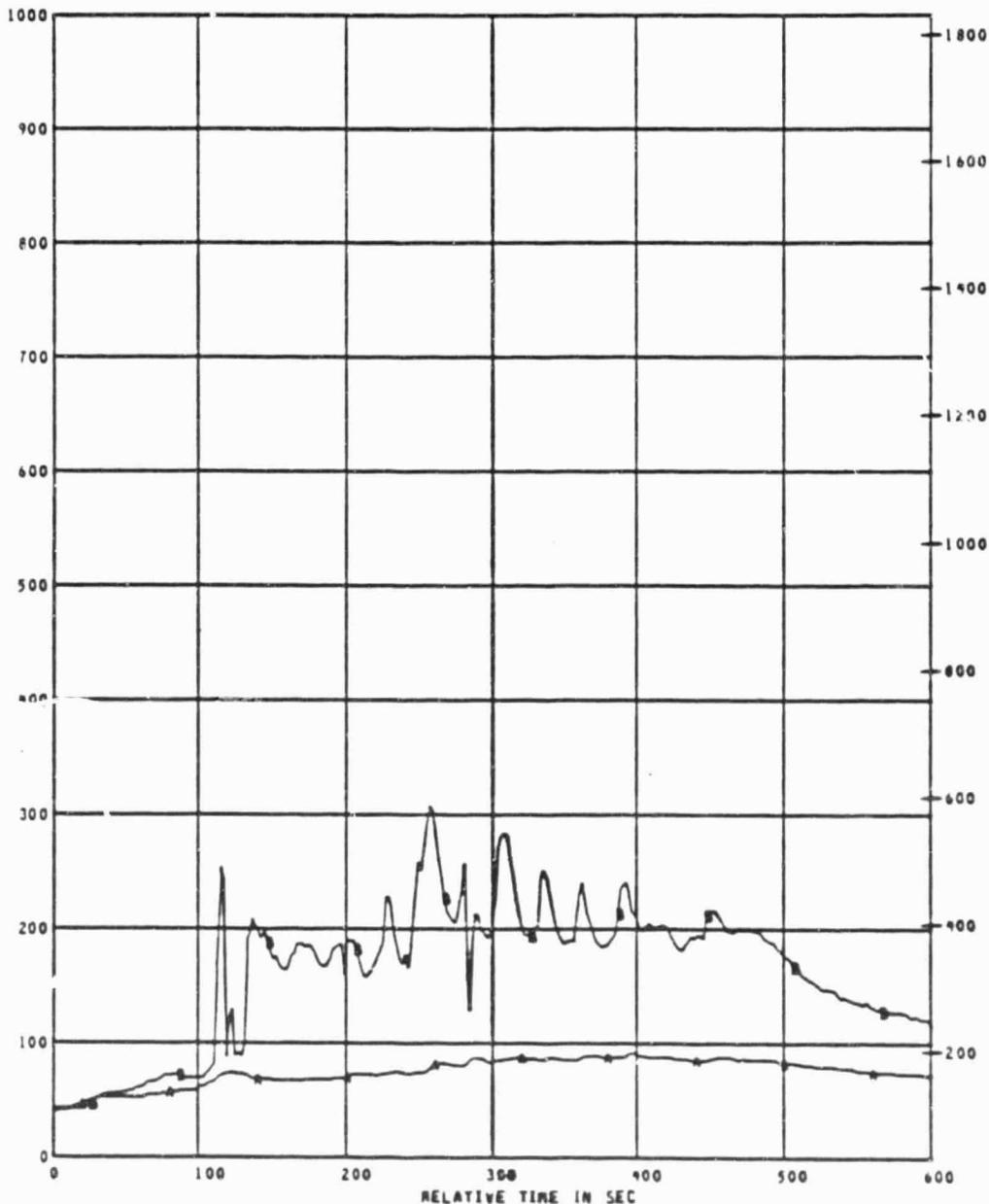
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
1 TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS9B

SEAT TST-OCT 1980 PLCT NO 14 - 1

REFERENCE TIME 16 44 19.000



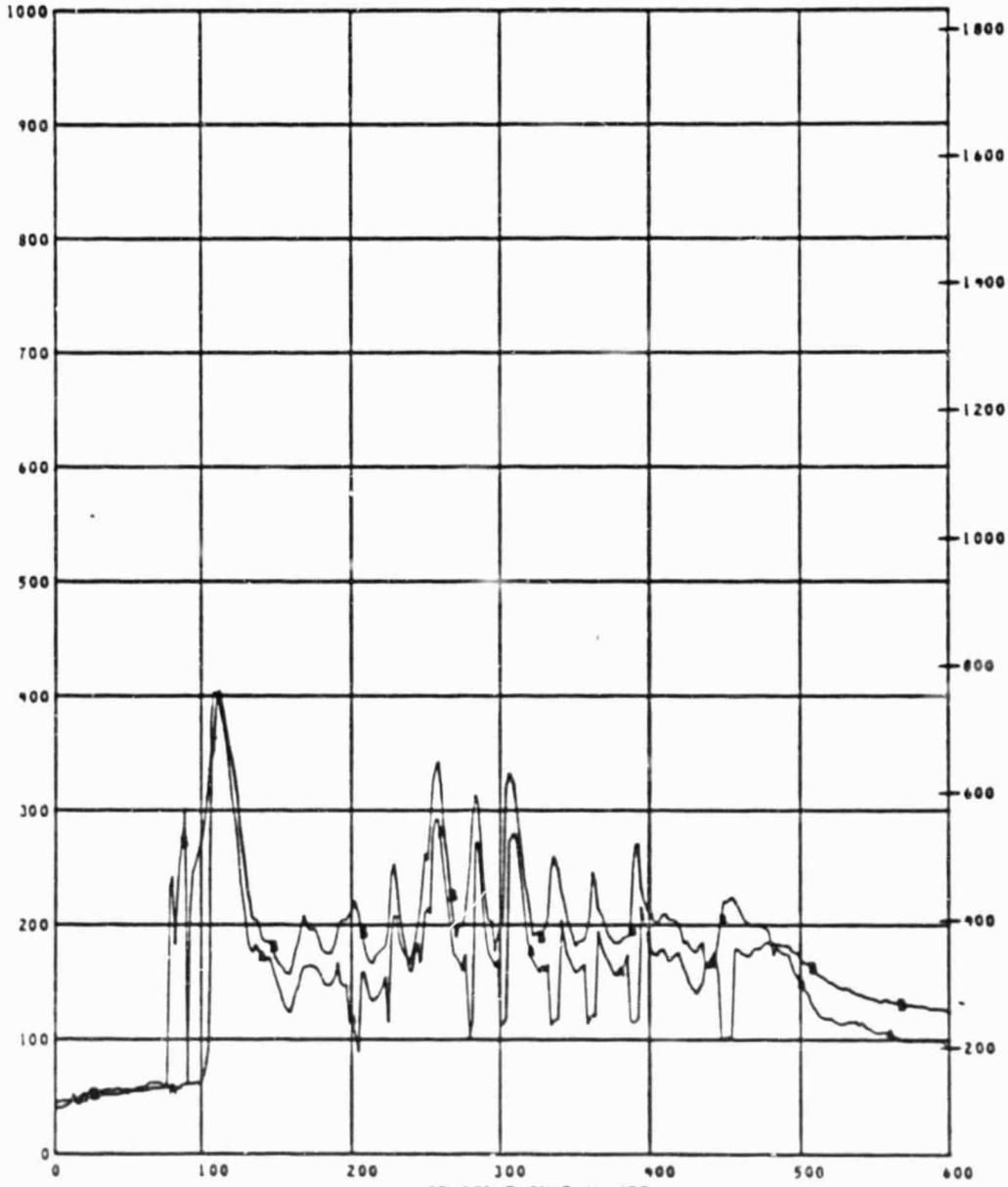
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
* TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS9B

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 16 44 19.000

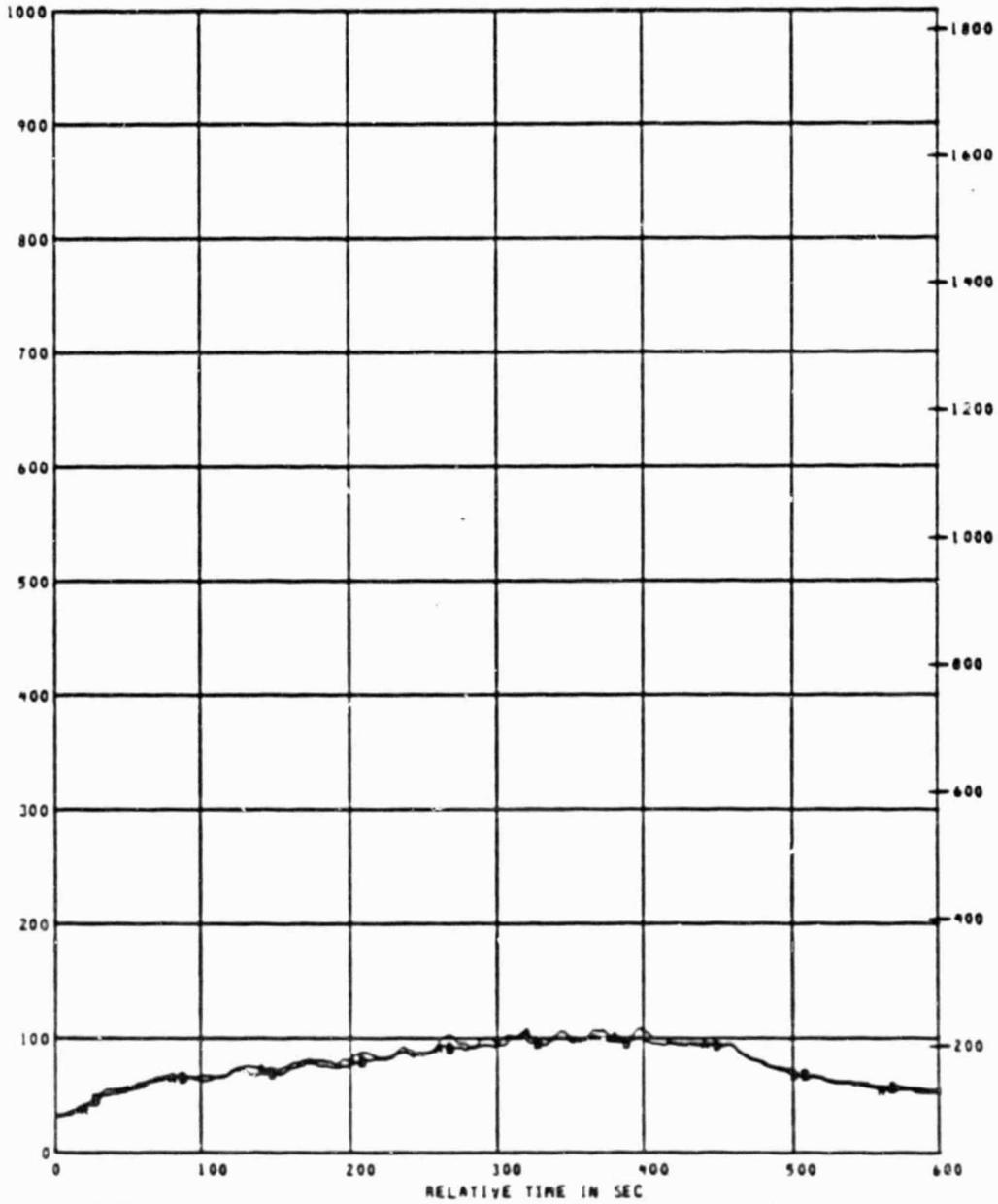


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
2 TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 16 49 19.000



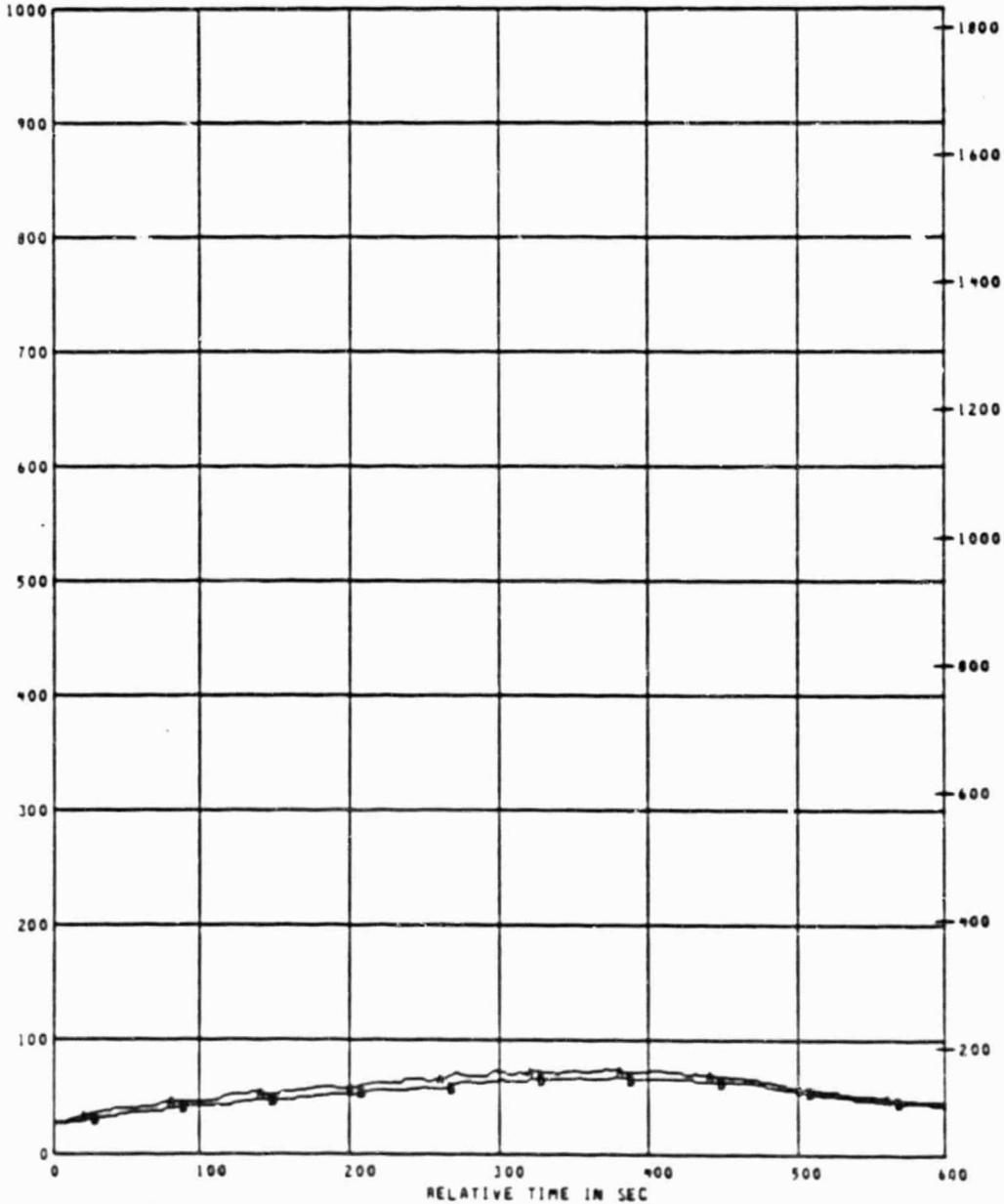
D  
E  
S  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
* TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 16 44 19.000

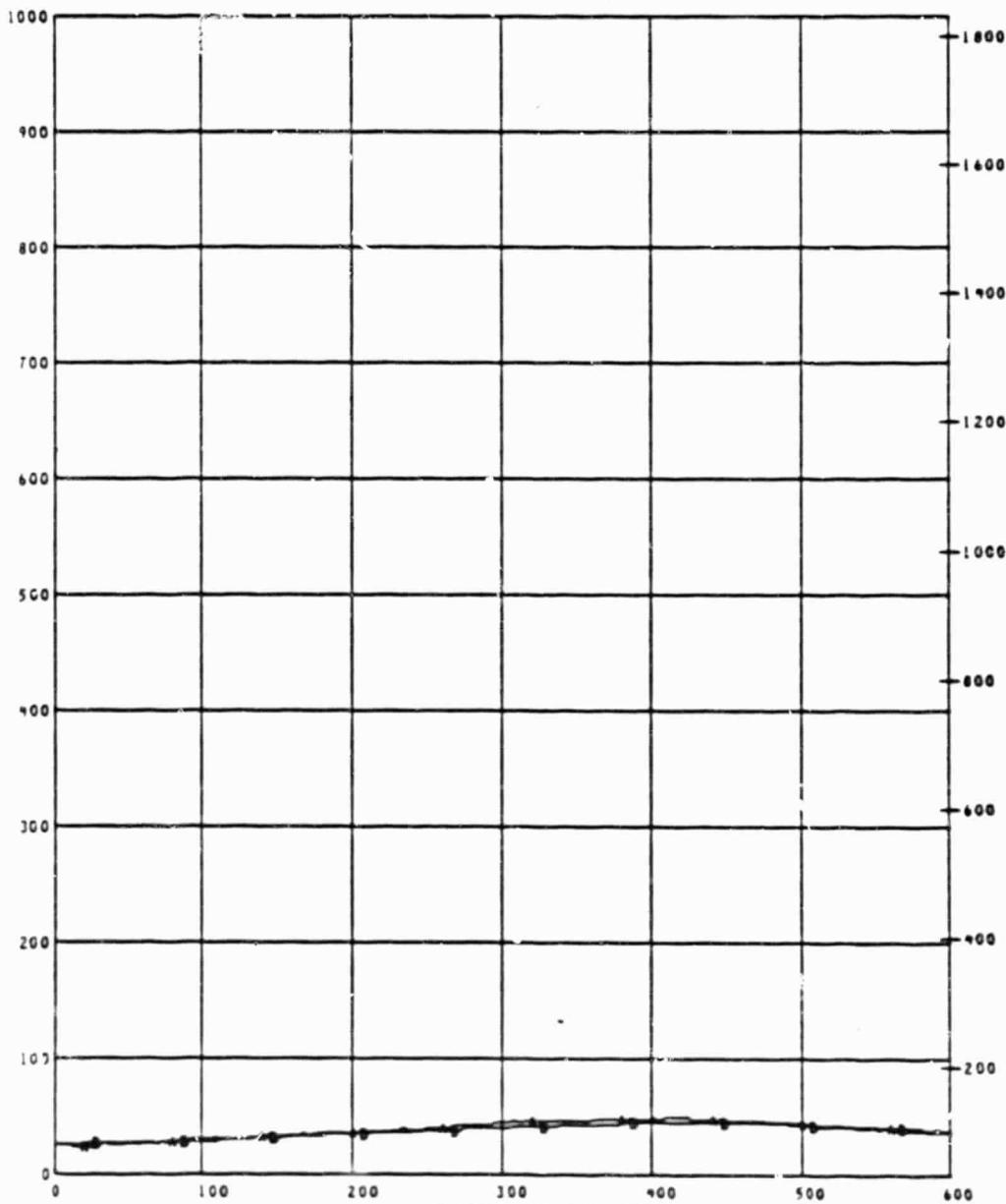


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
* TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASSB

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 16 44 19.000



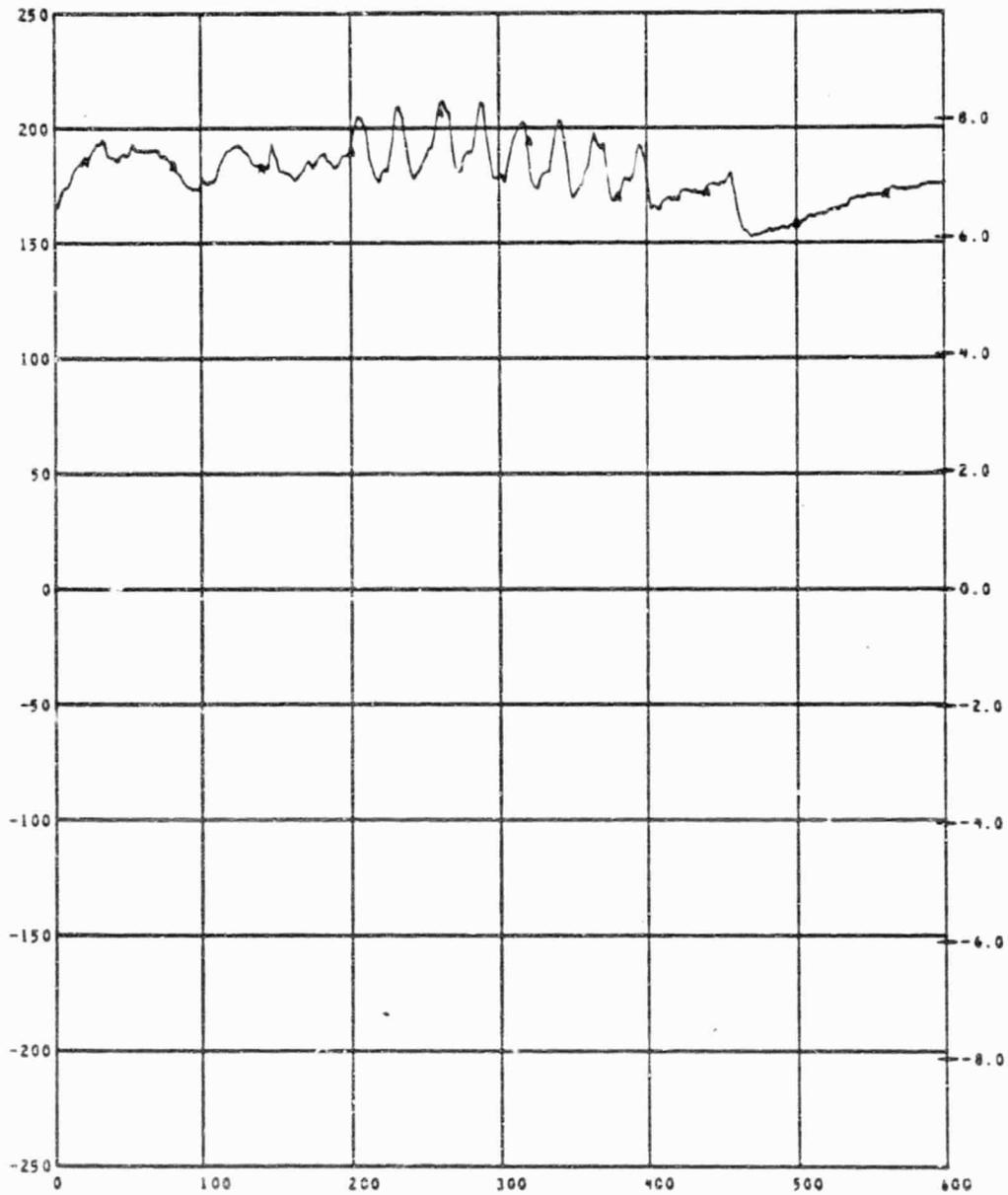
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
# TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
# TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS58

SEAT TST-OCT 1900 PLOT NO 19 - 1

REFERENCE TIME 16 44 19.000



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MEAS. NUMBER  
s DPC

CHANNEL ASGN.  
098

TITLE  
CABIN DELTA PRESSURE

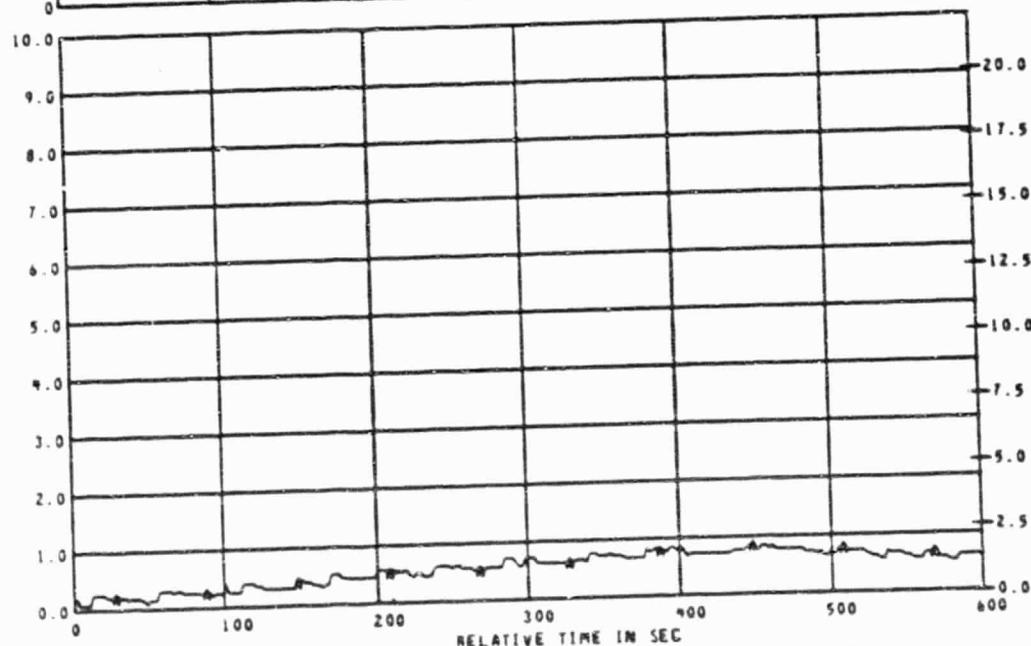
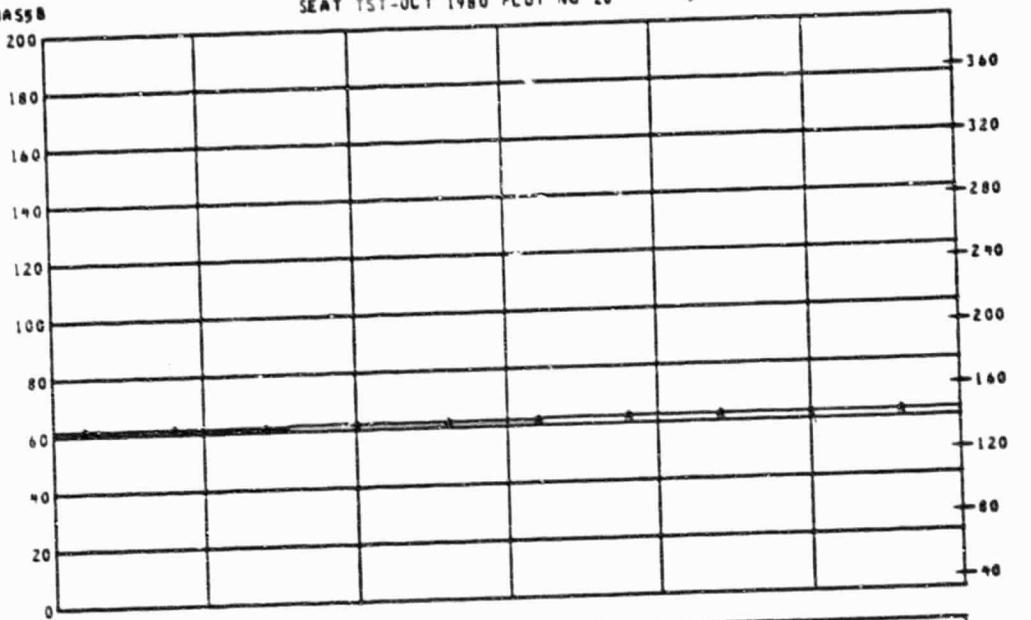
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H20 AA

TEST ID NAS9B

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 16 49 19.000



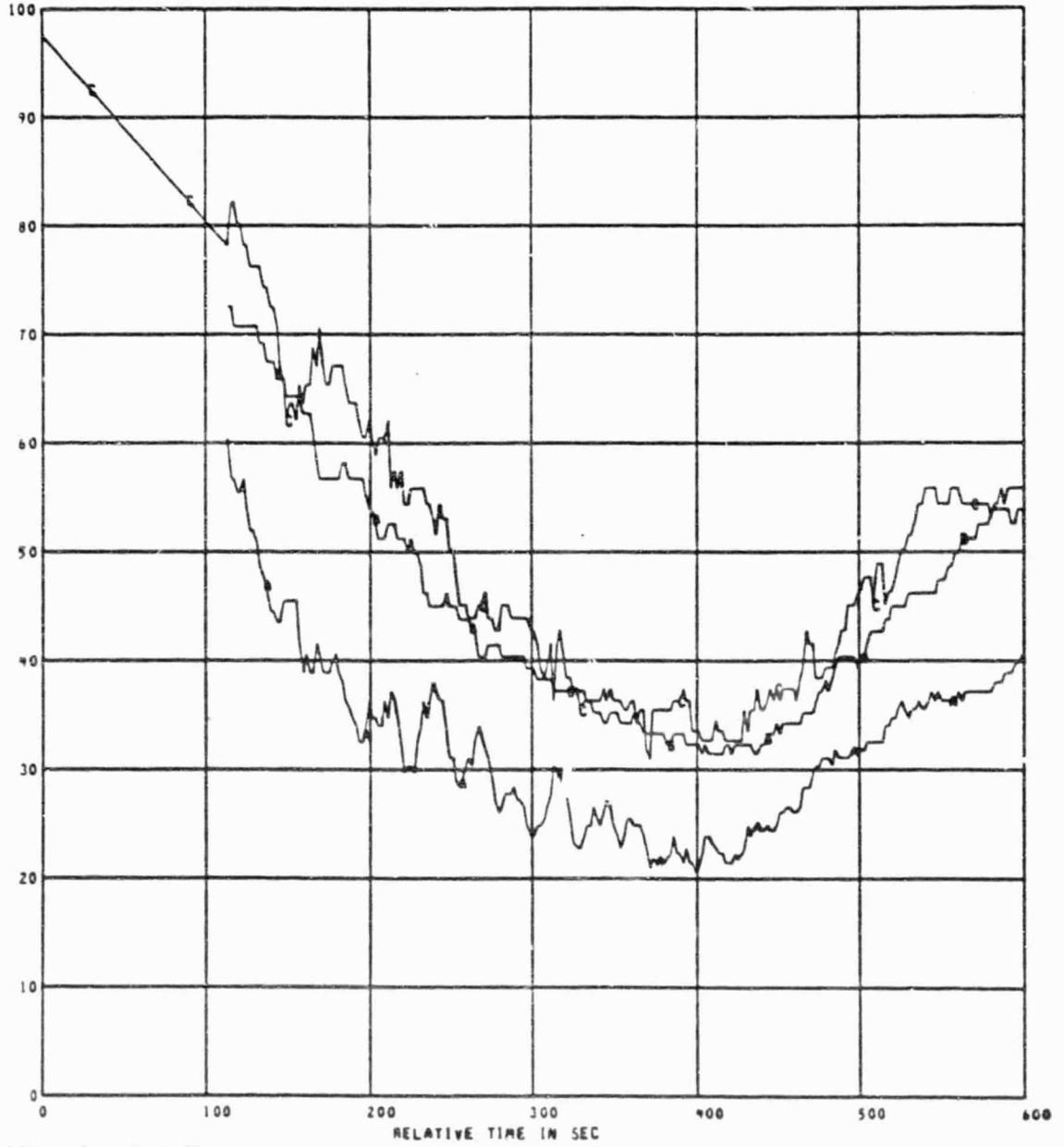
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
5 ML	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

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B  
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TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 10 22 09.000

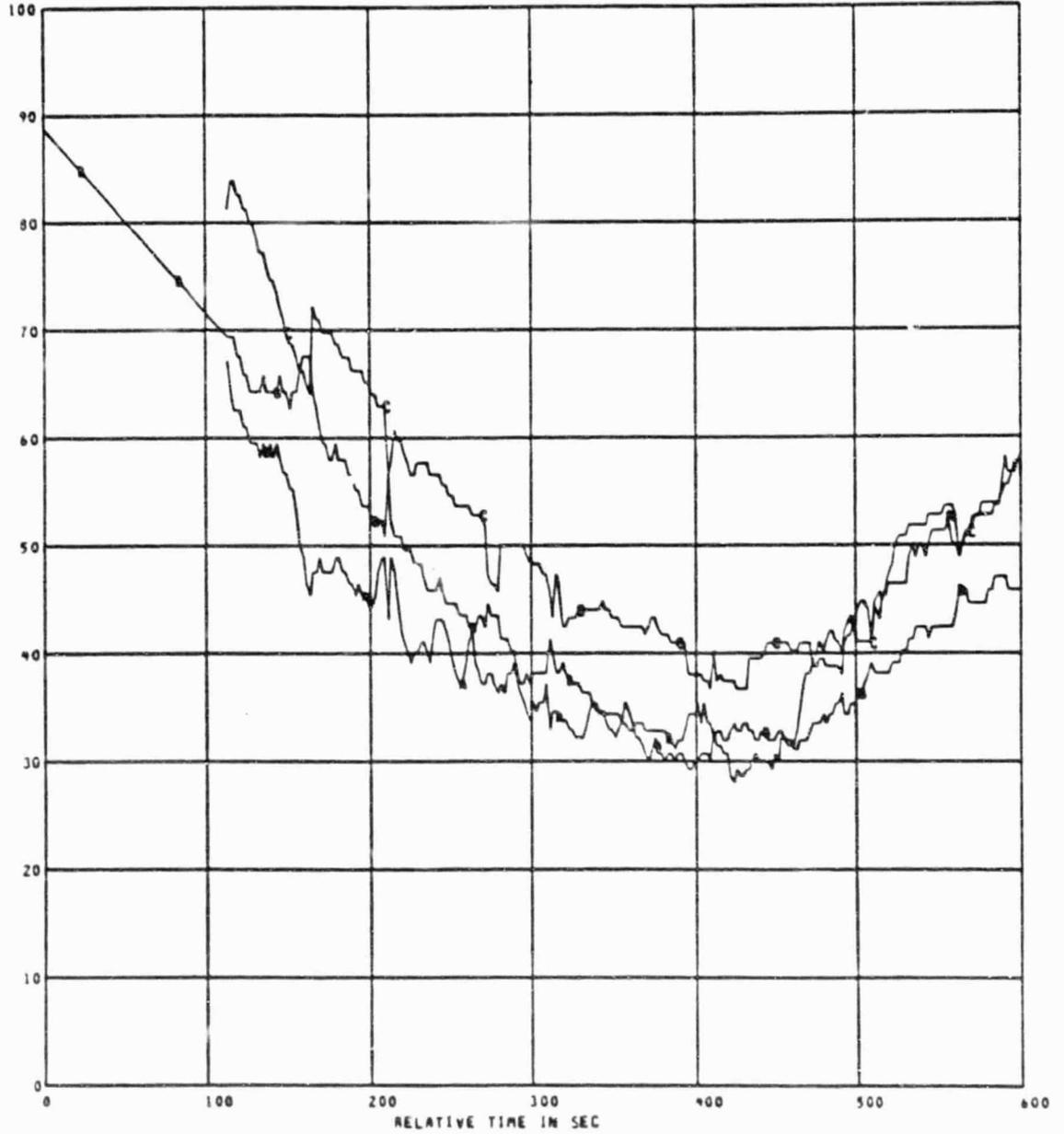


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 22 04.000

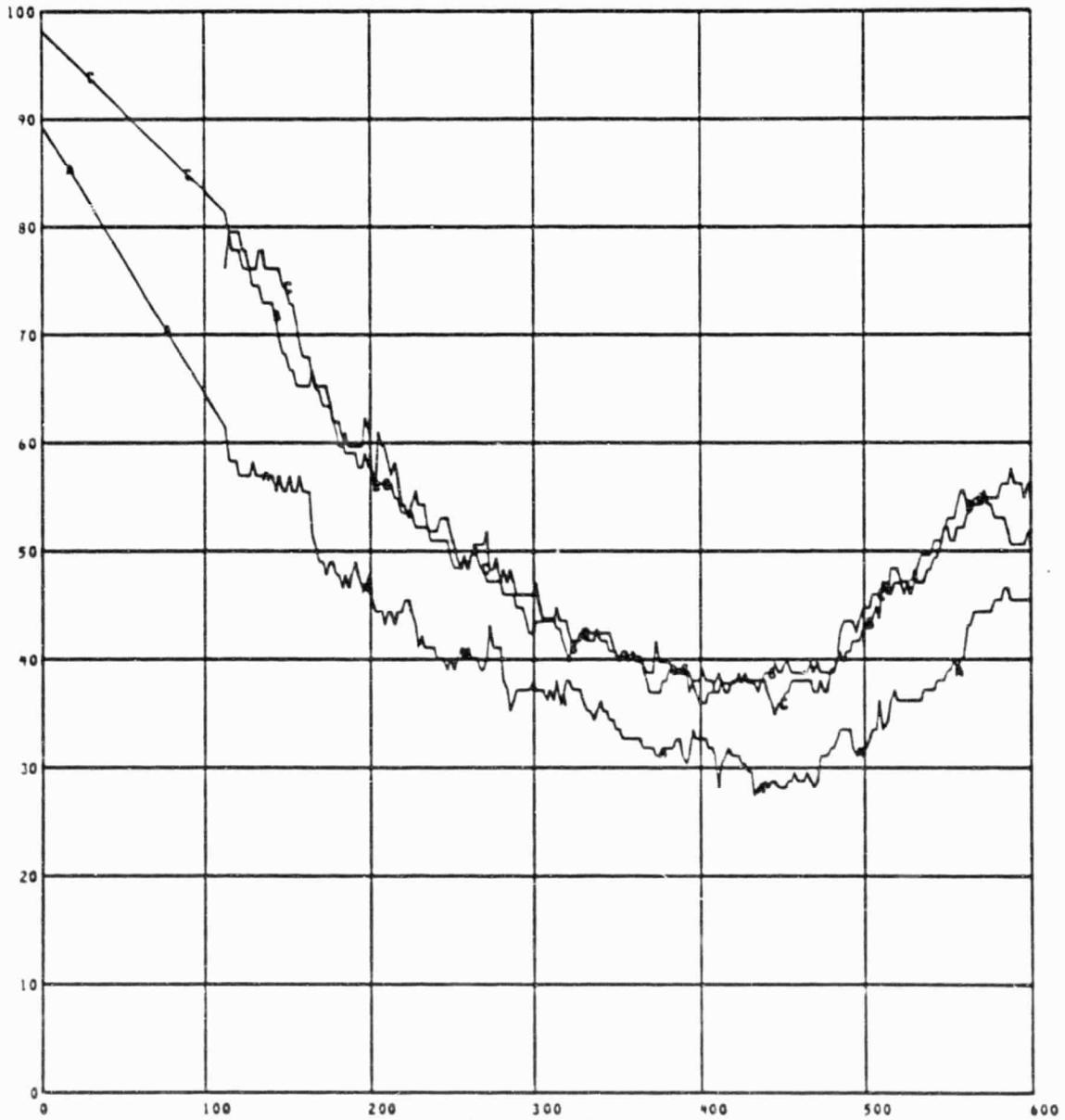


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10 22 04.000

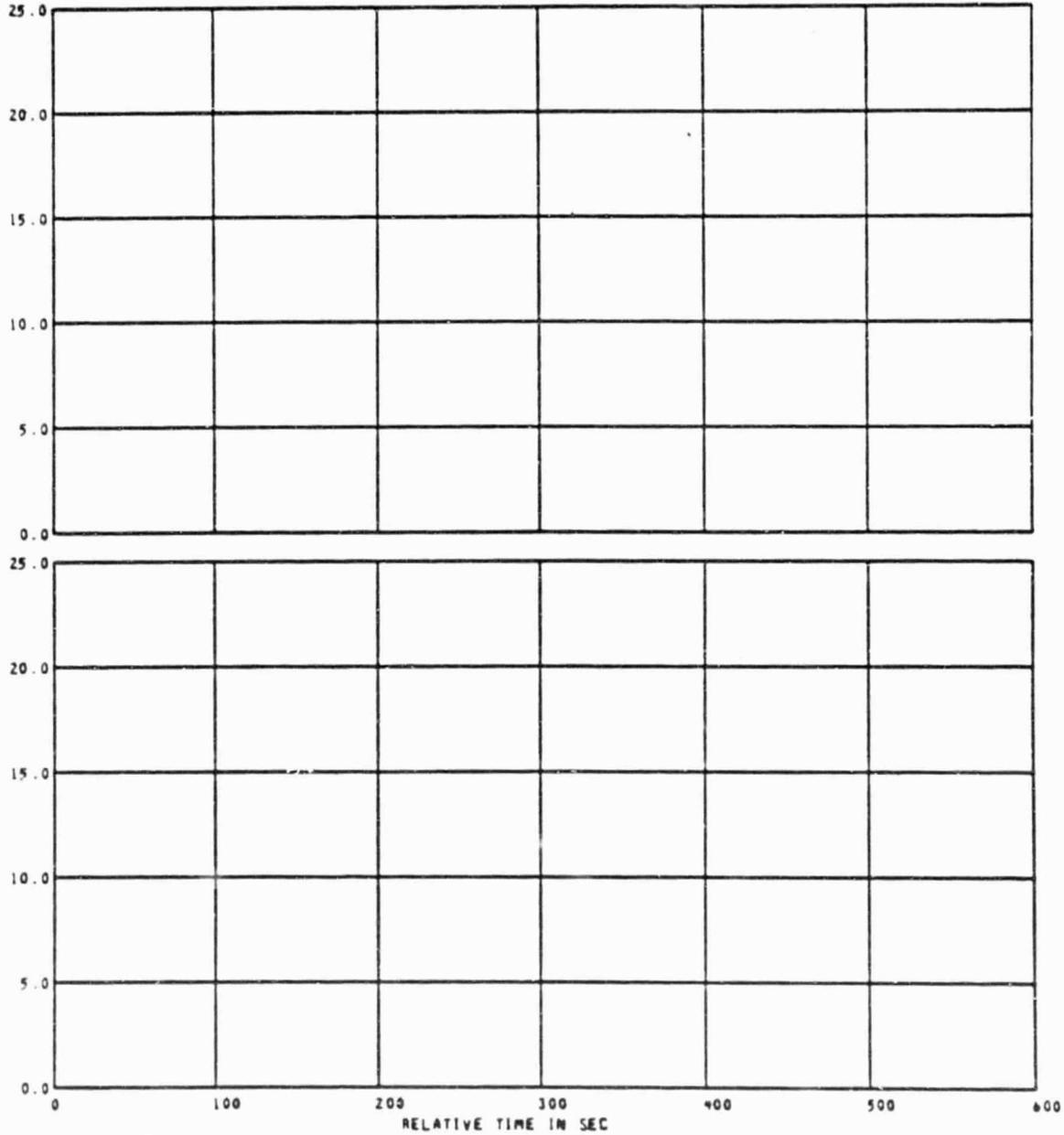


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 22 04.000

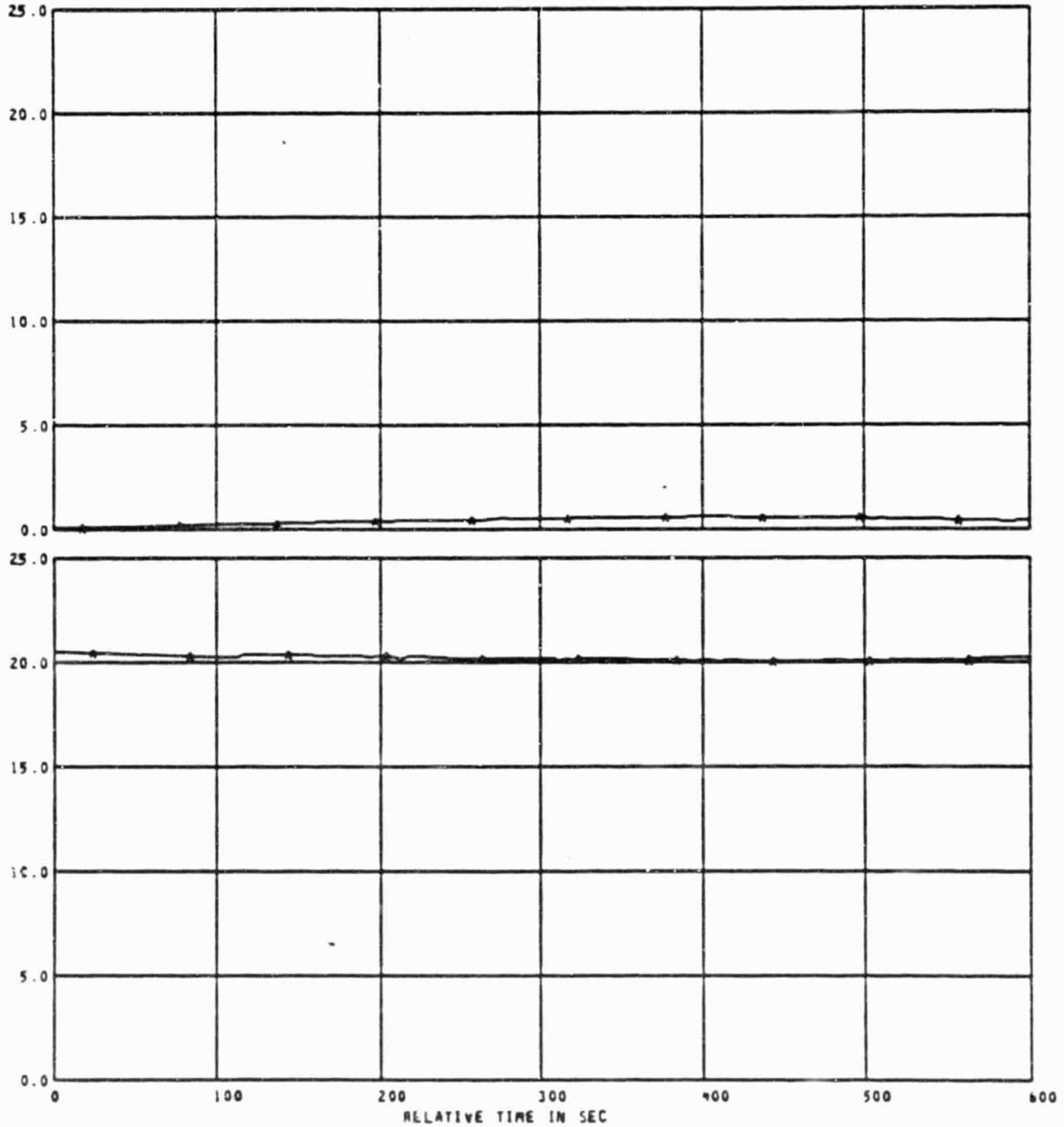


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHIE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
CDE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID MASAB

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 10 22 04.000

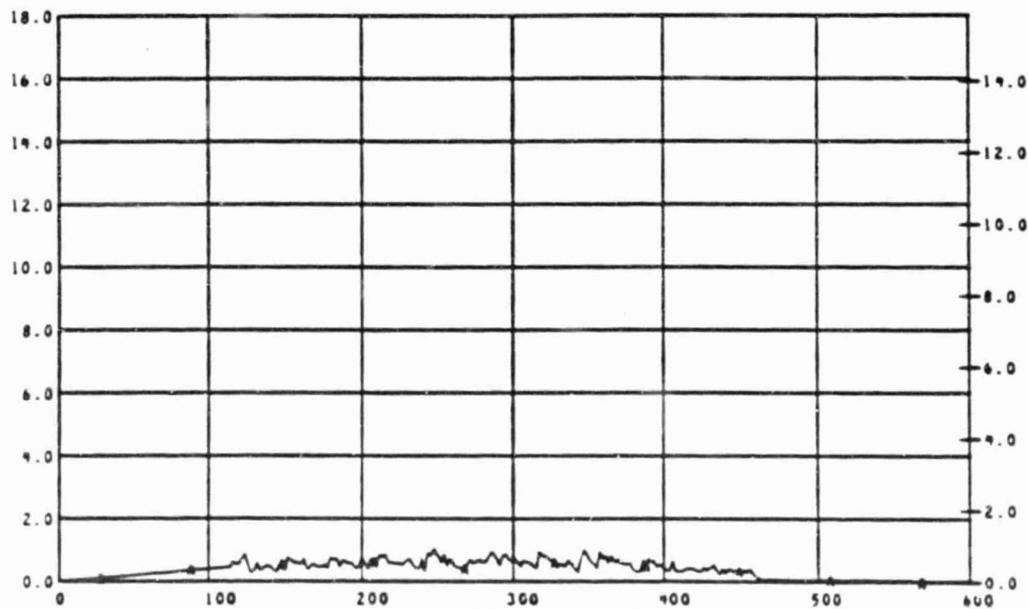
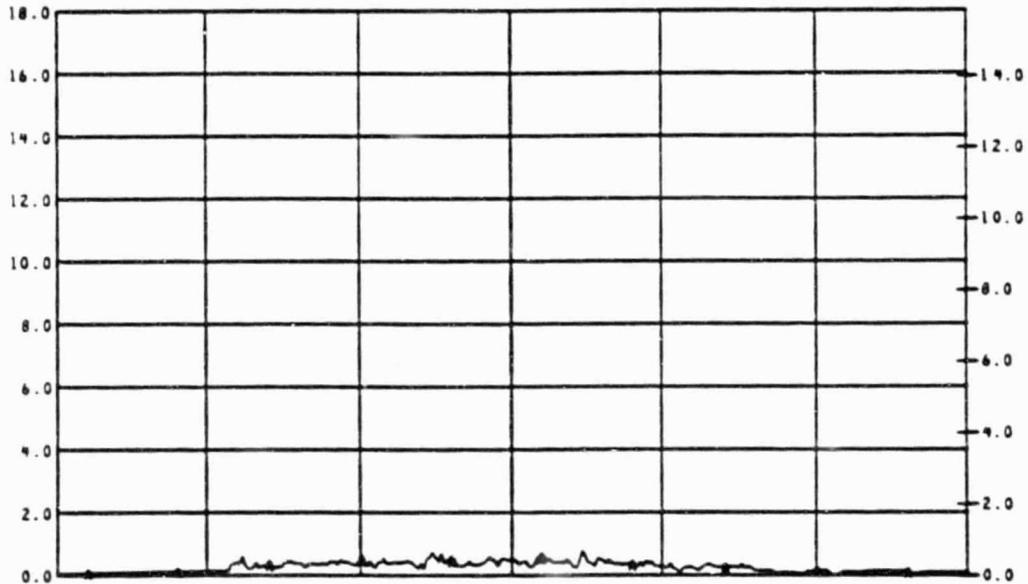


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS6B

SEAT TST-OCT 1980 PLQT NO 6 - 1

REFERENCE TIME 10 22 04.000

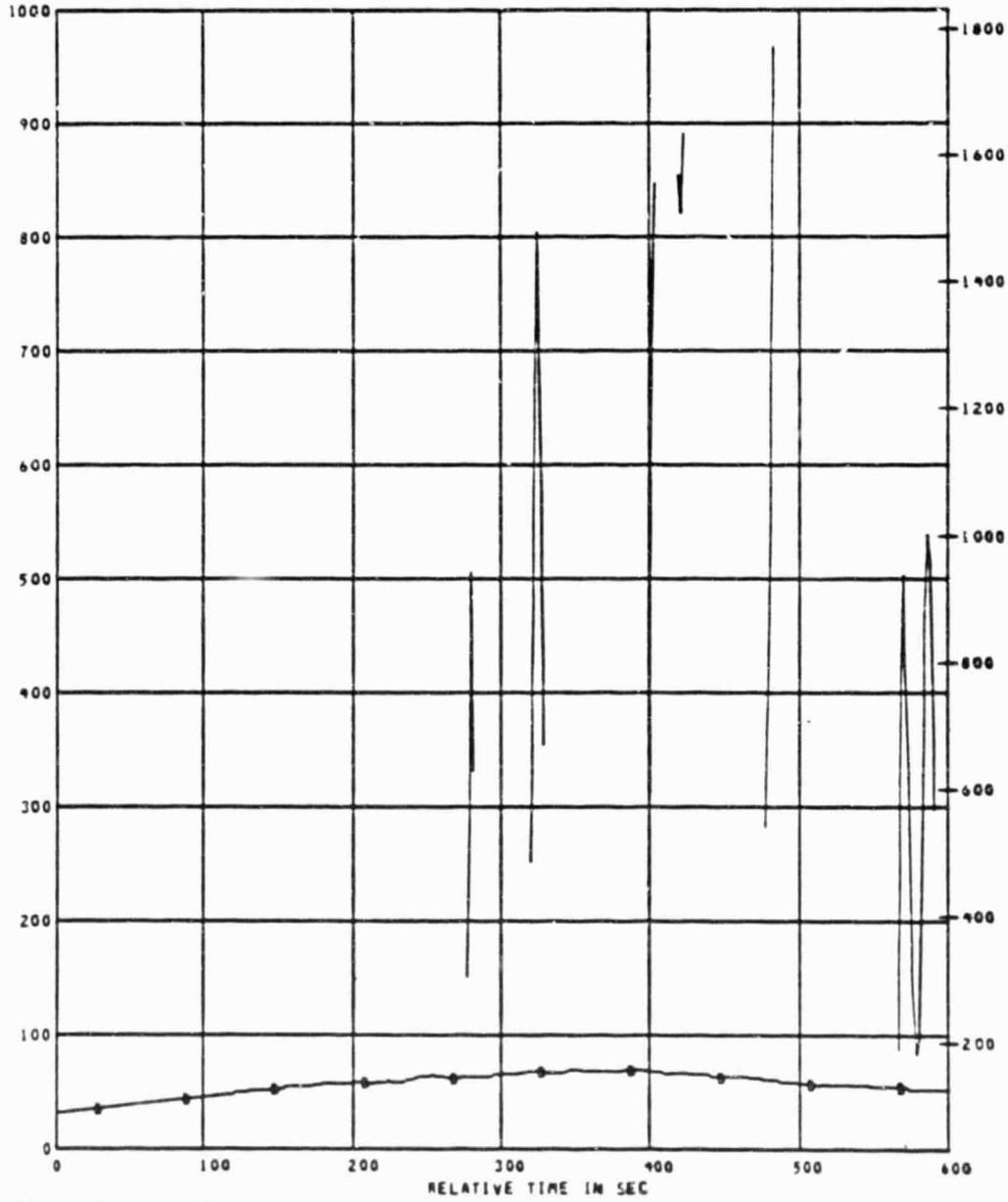


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
s CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 10 22 04.000

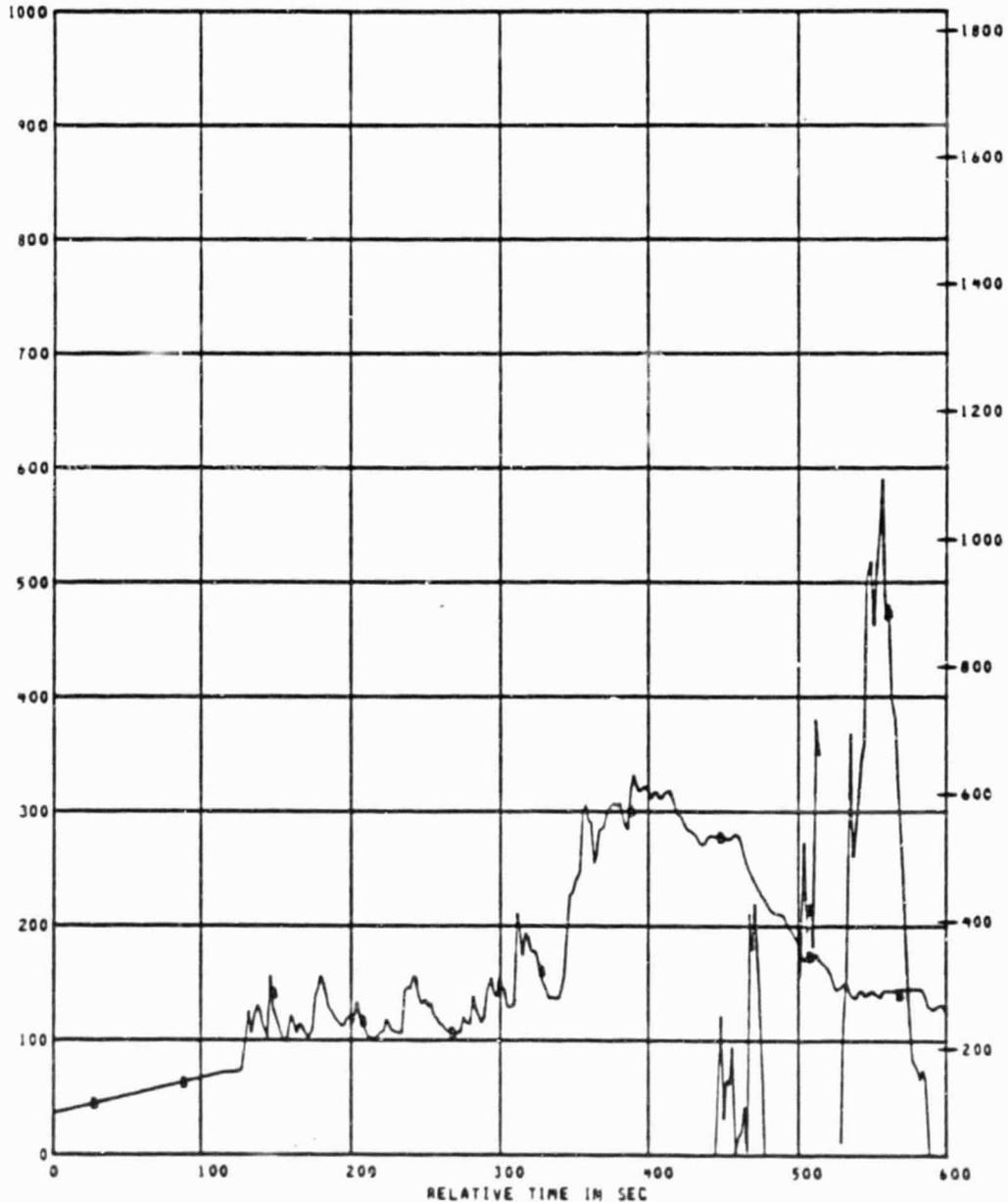


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 22 04.000



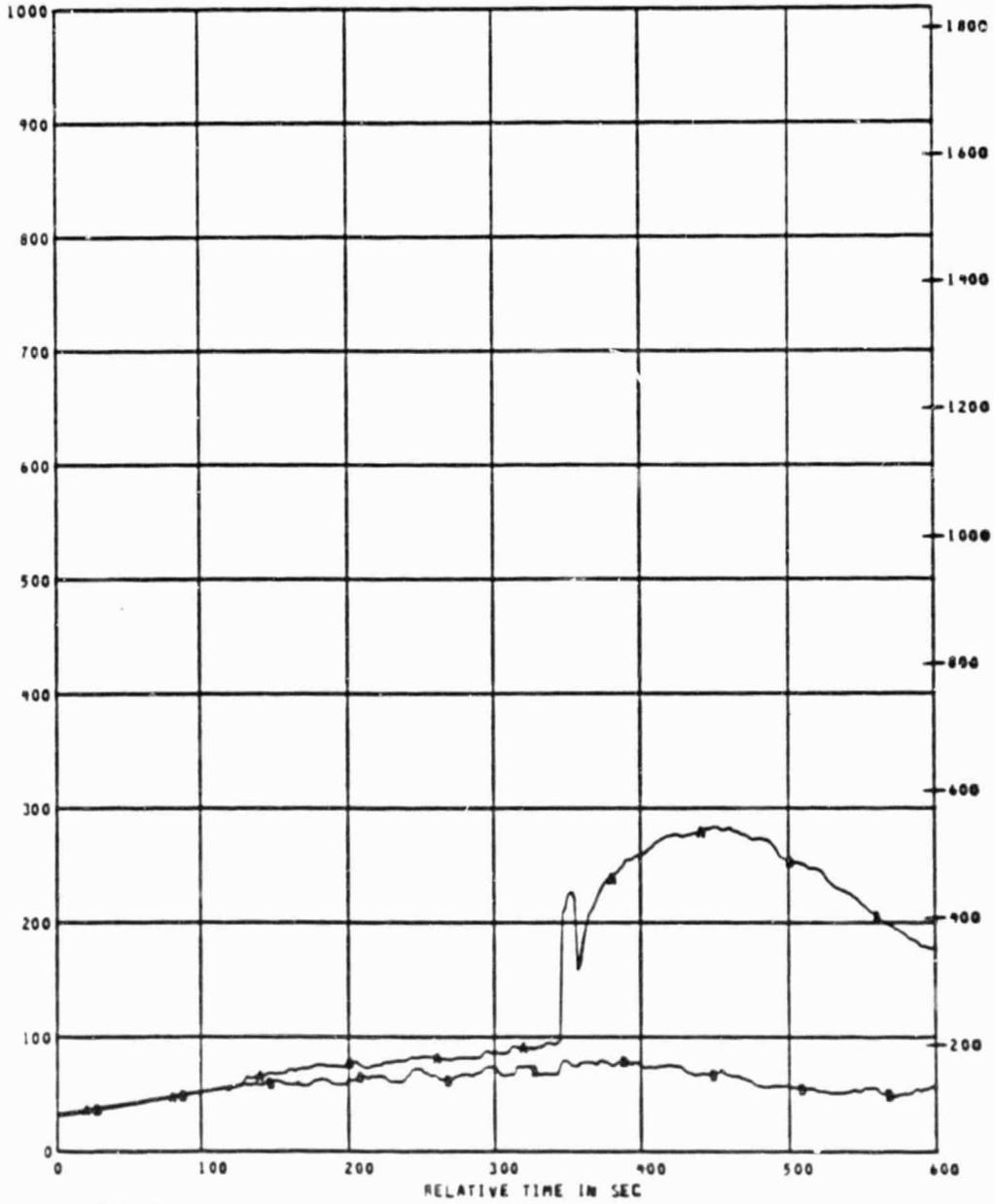
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
1 TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 10 22 04.000



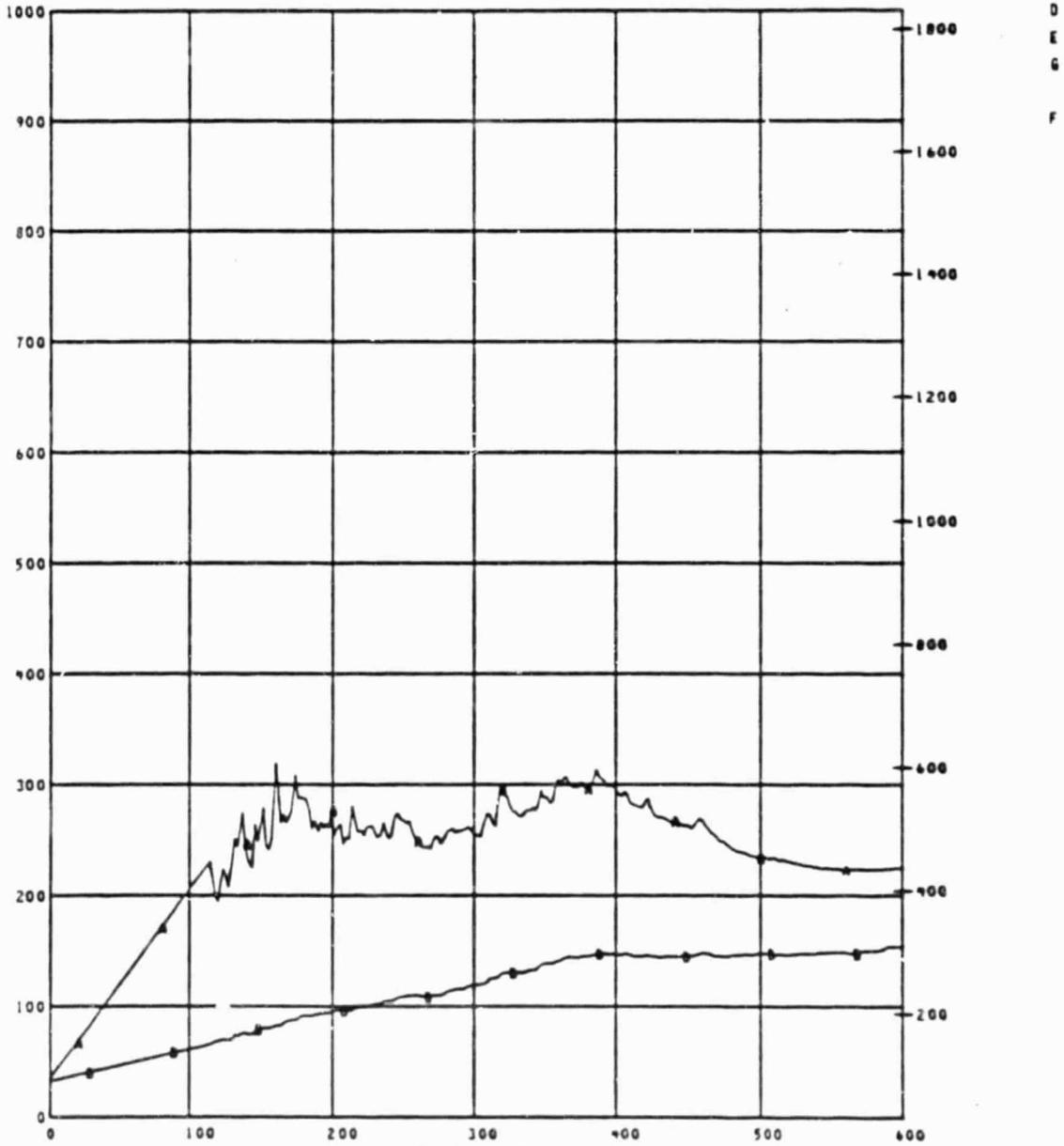
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 22 04.000

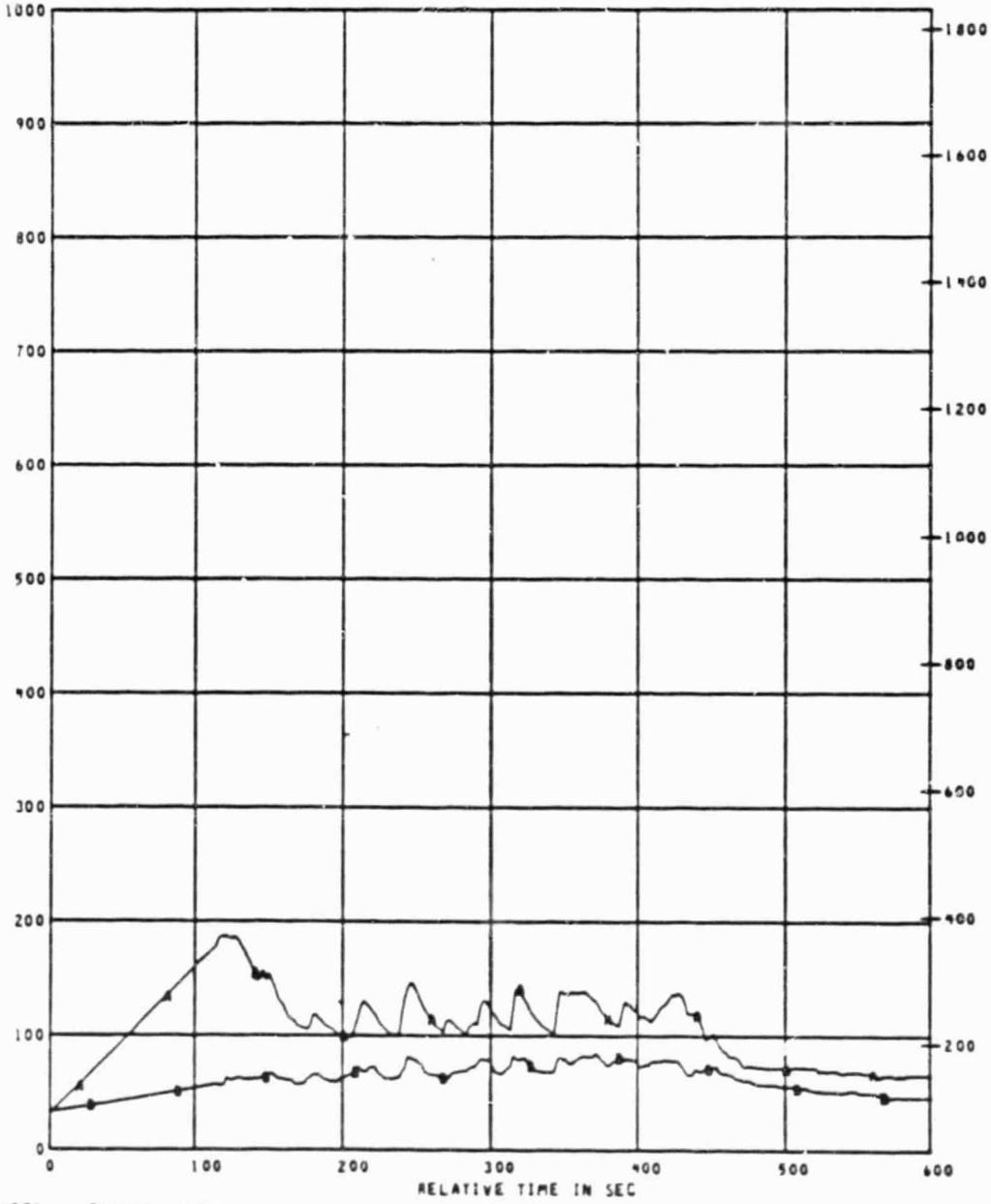


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TSF1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
1 TSF2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER	CHANNEL ASGN.
* TSR3	109
* TBL1	110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

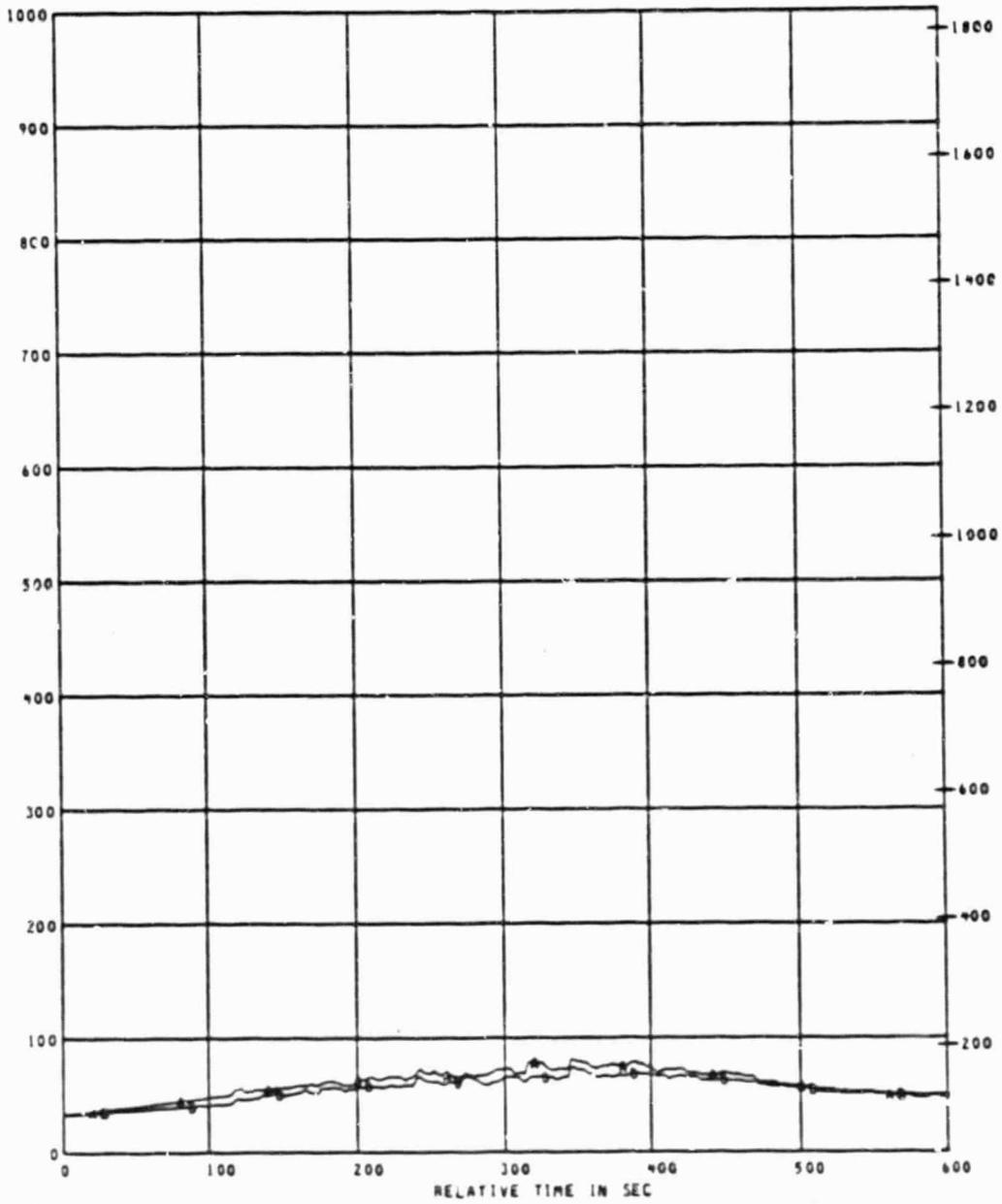
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS&B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 22 04.000



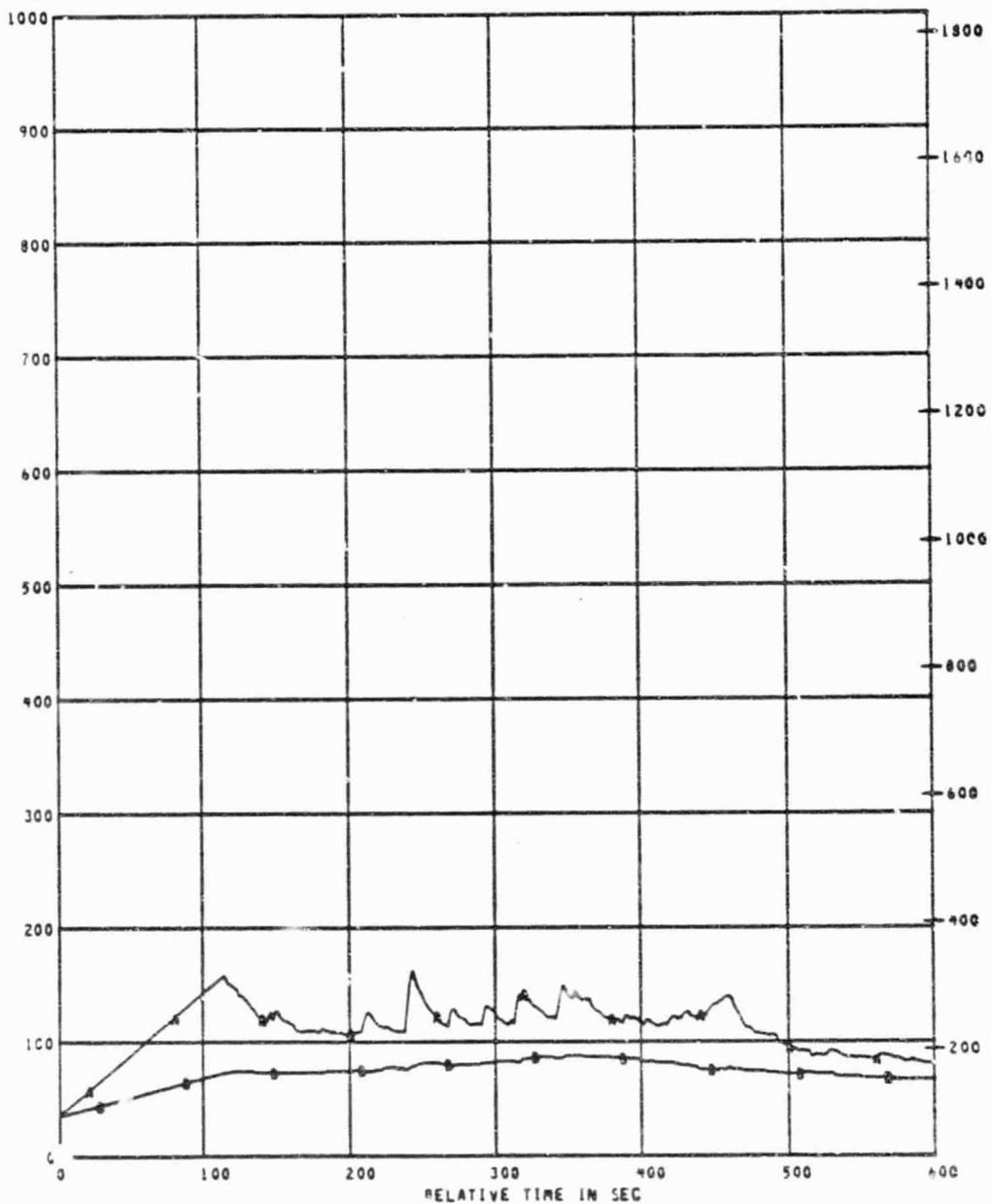
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
S TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
S TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NG 13 - 1

REFERENCE TIME 10 22 04.000

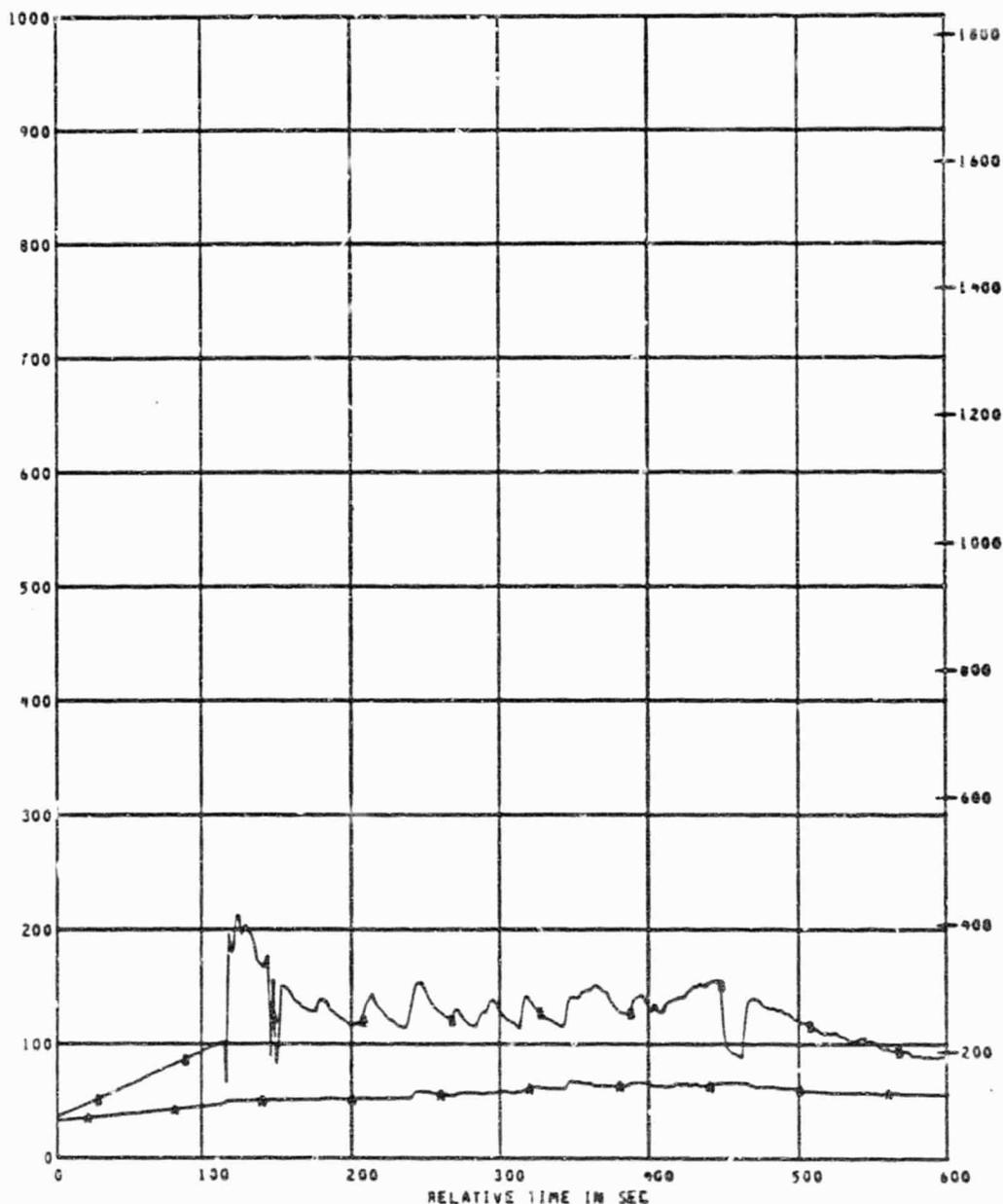


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-COM
§ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
§ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 22 04.000

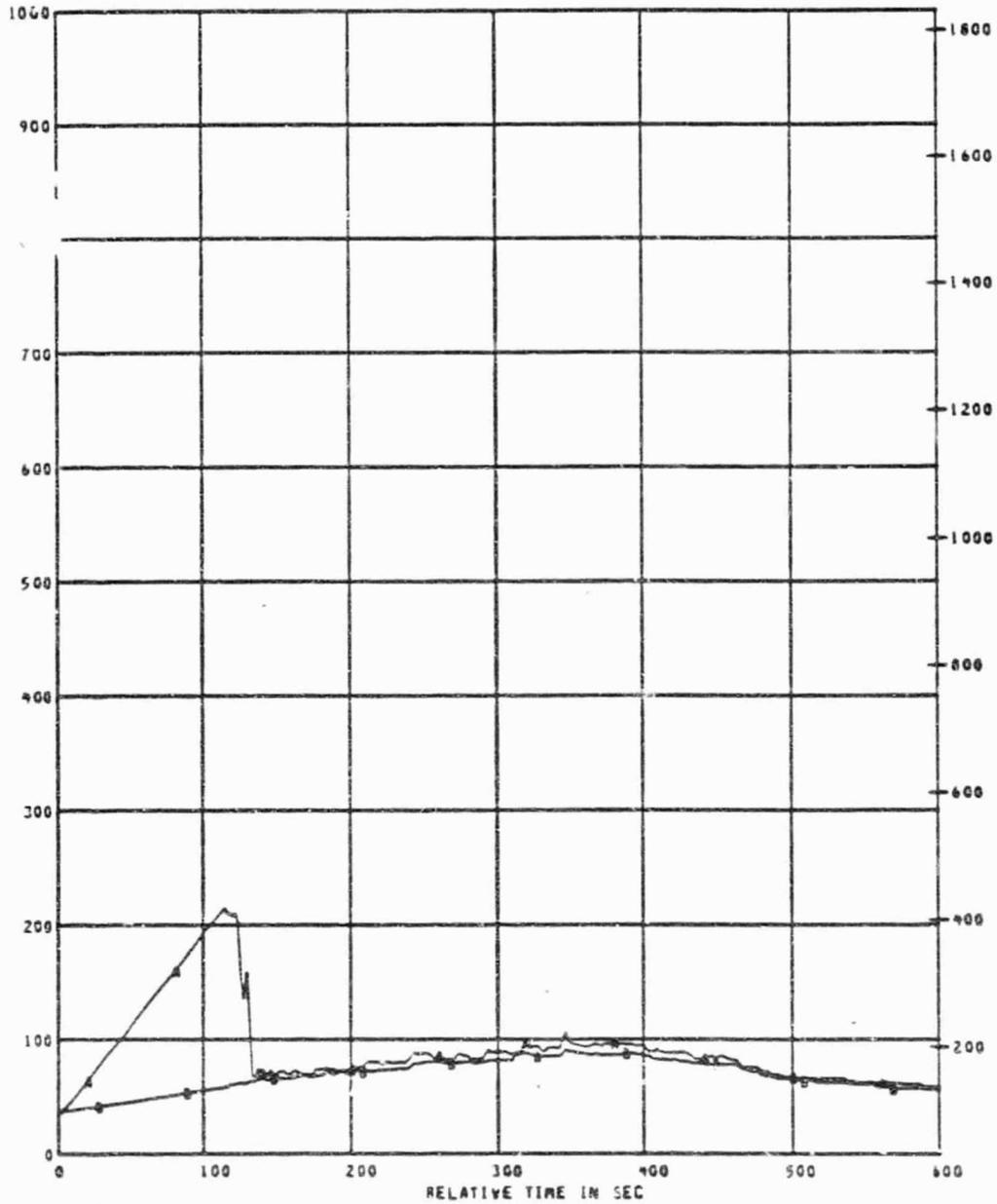


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBC1	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
2 TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 22 04.000

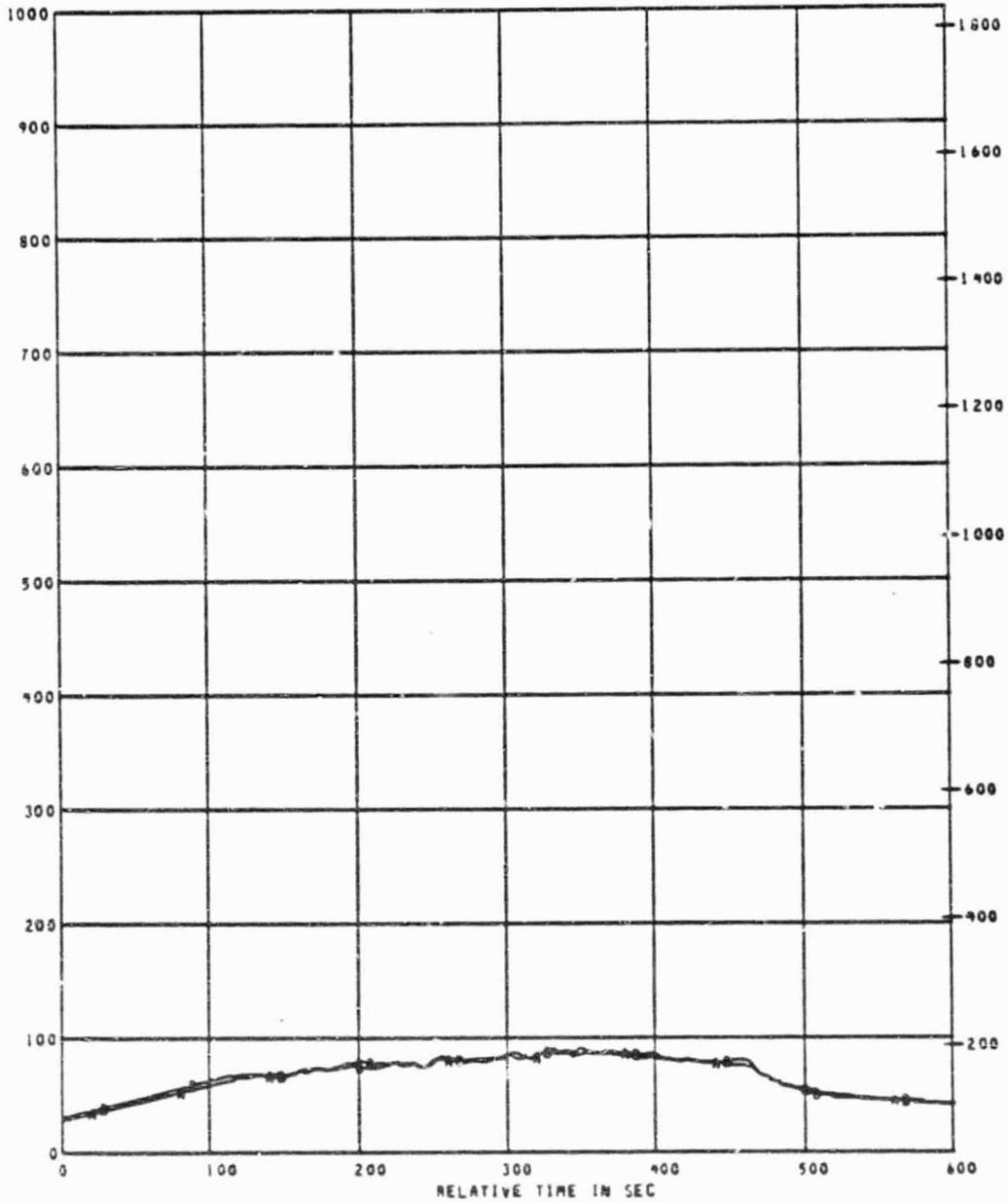


MEAS. NUMBER	CHANNEL ASSGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
1 TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS&B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 22 04.000



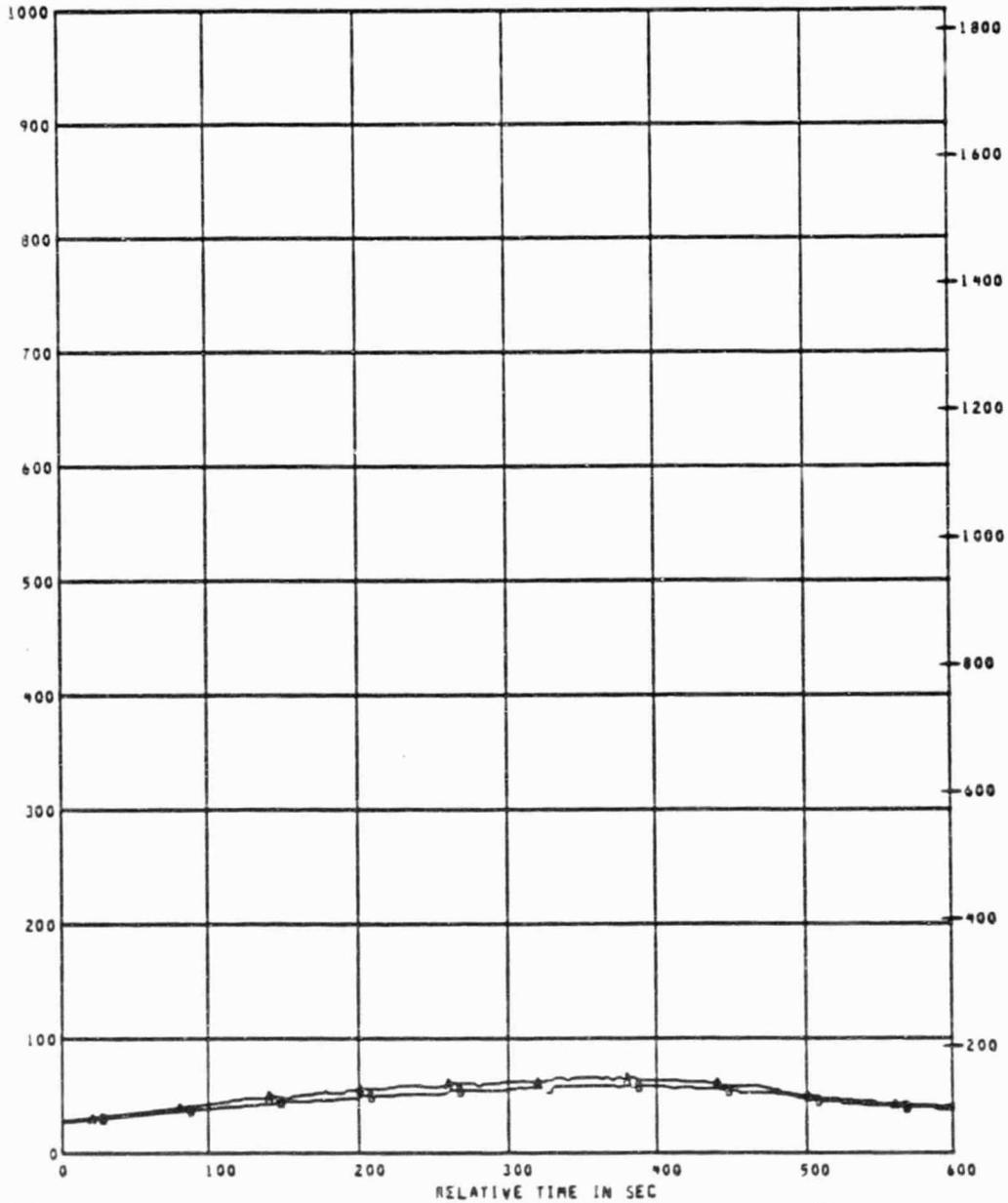
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
* TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 22 04.000

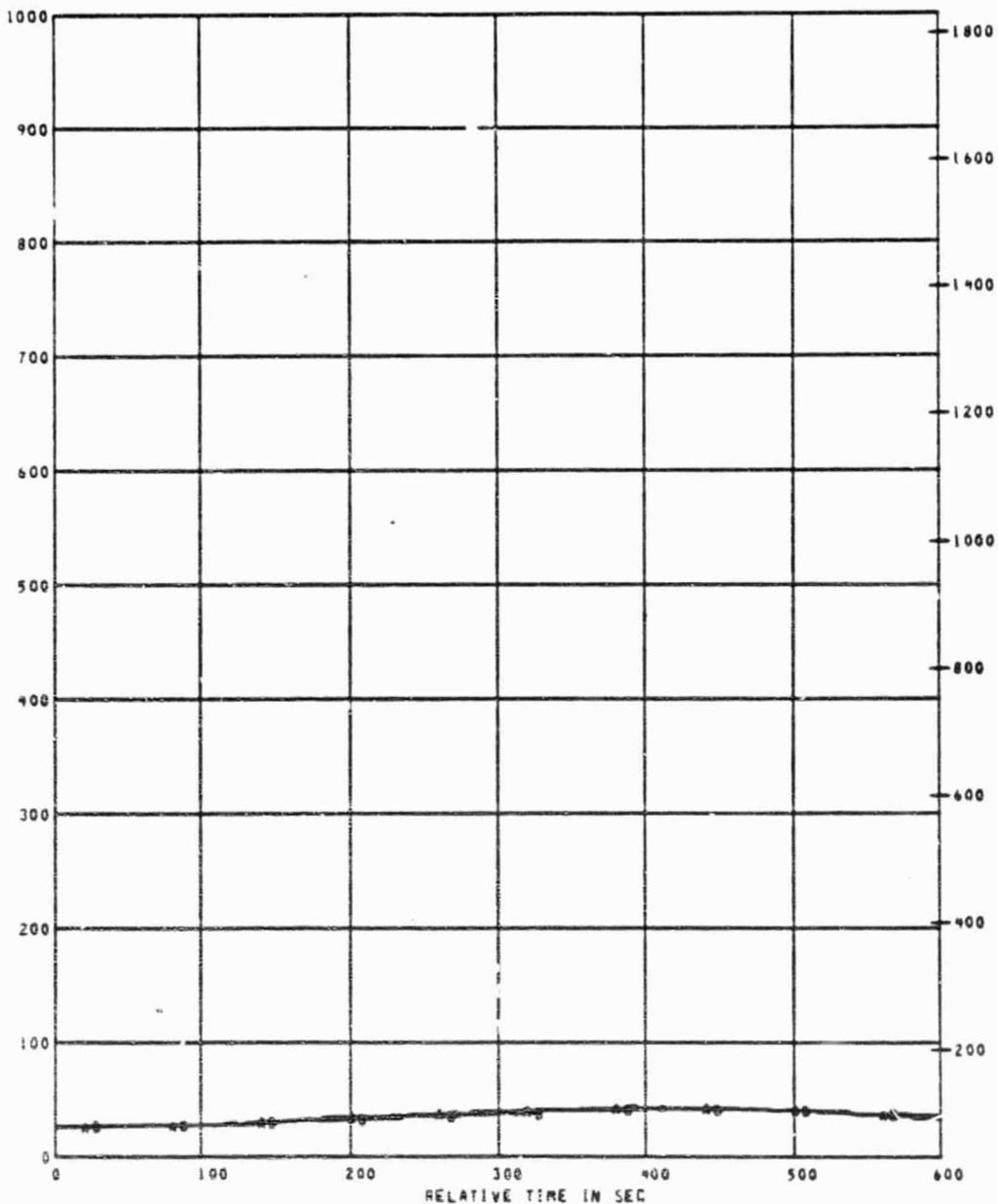


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TCH	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
s TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 22 04.000



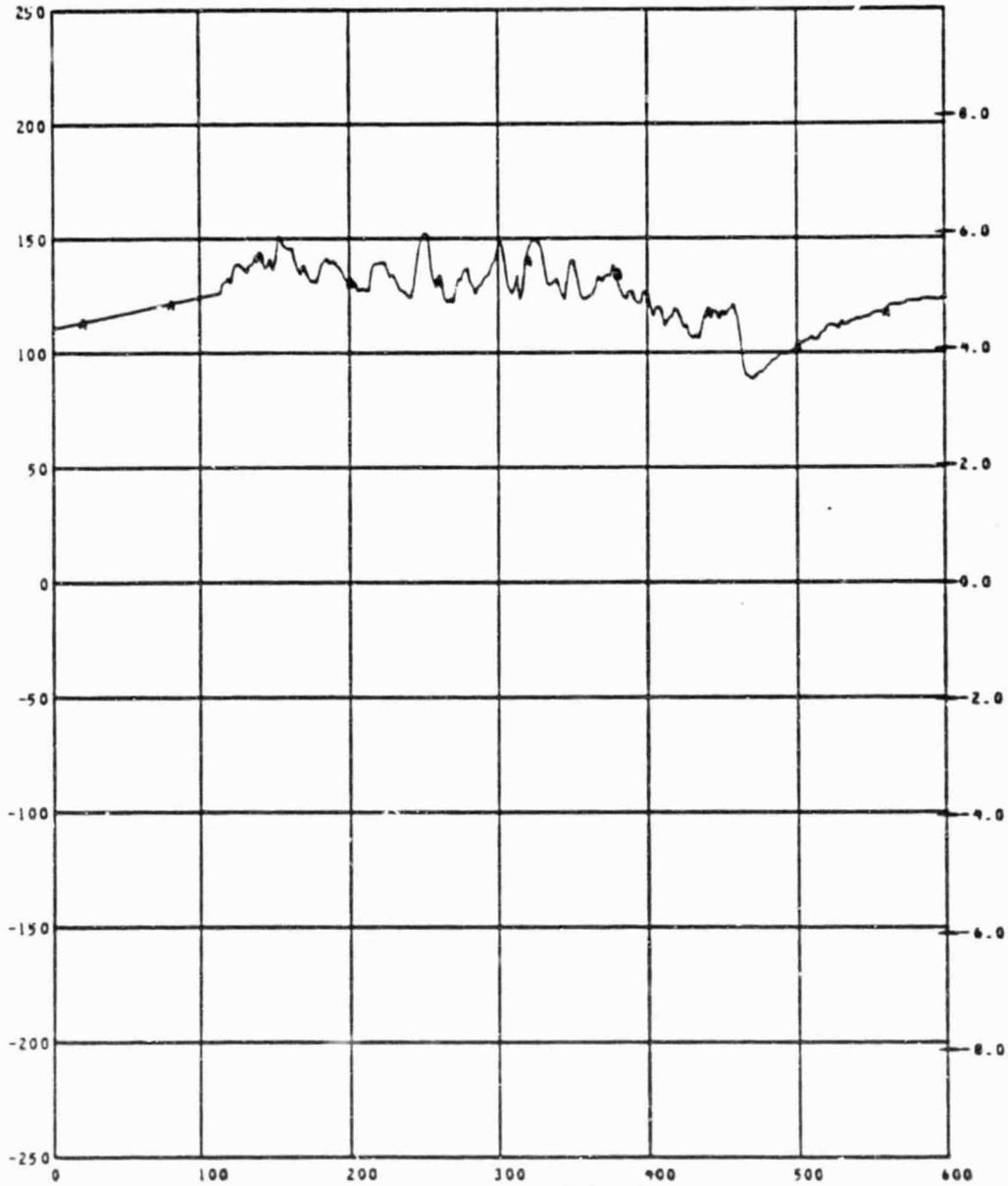
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
1 TAG	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 22 04.000



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MEAS. NUMBER  
5 DPC

CHANNEL ASGN.  
098

RELATIVE TIME IN SEC  
TITLE  
CABIN DELTA PRESSURE

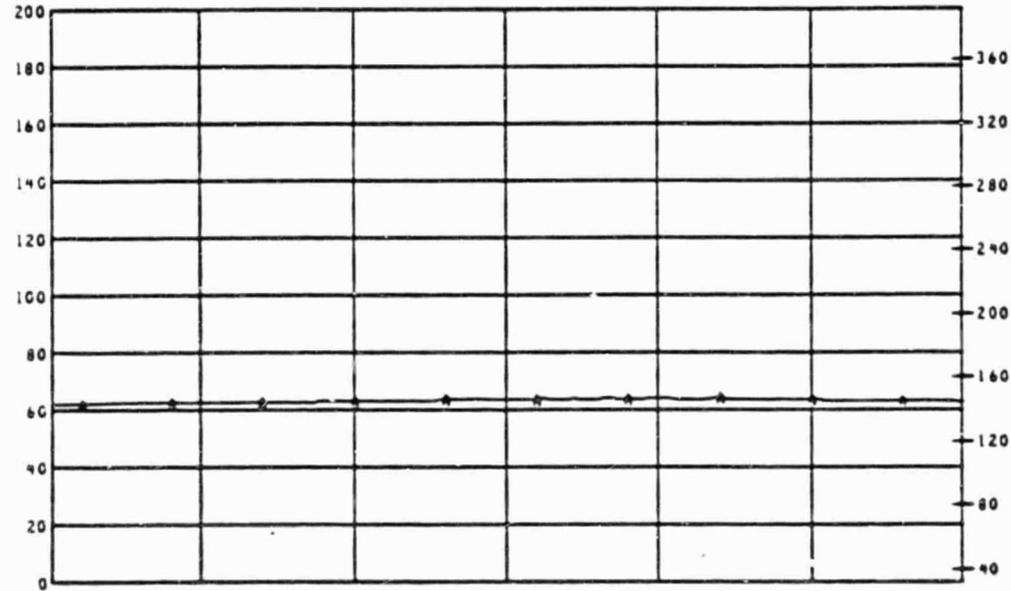
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H20 AA

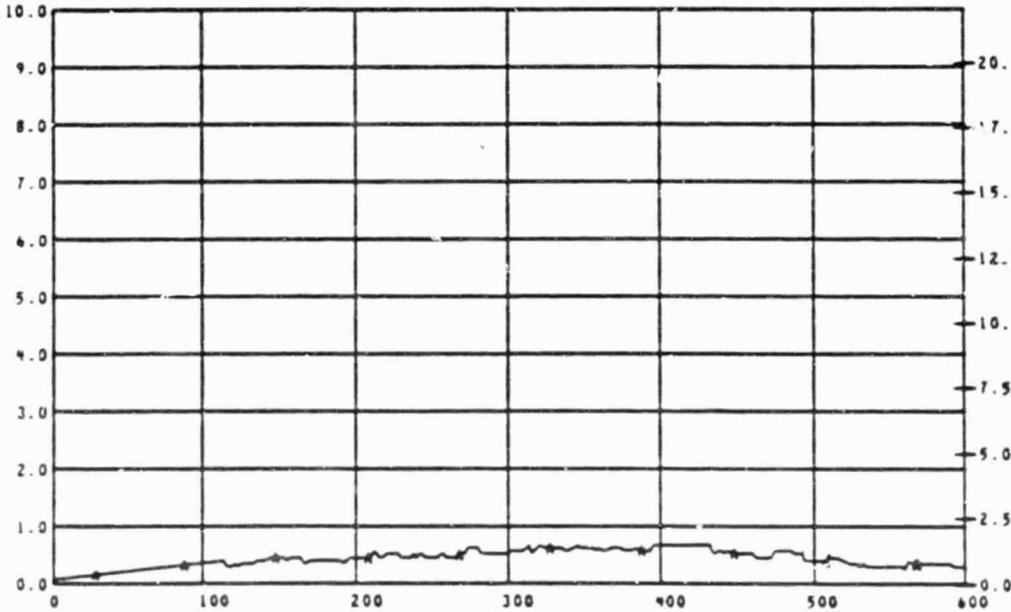
TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 22 04.000



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G  
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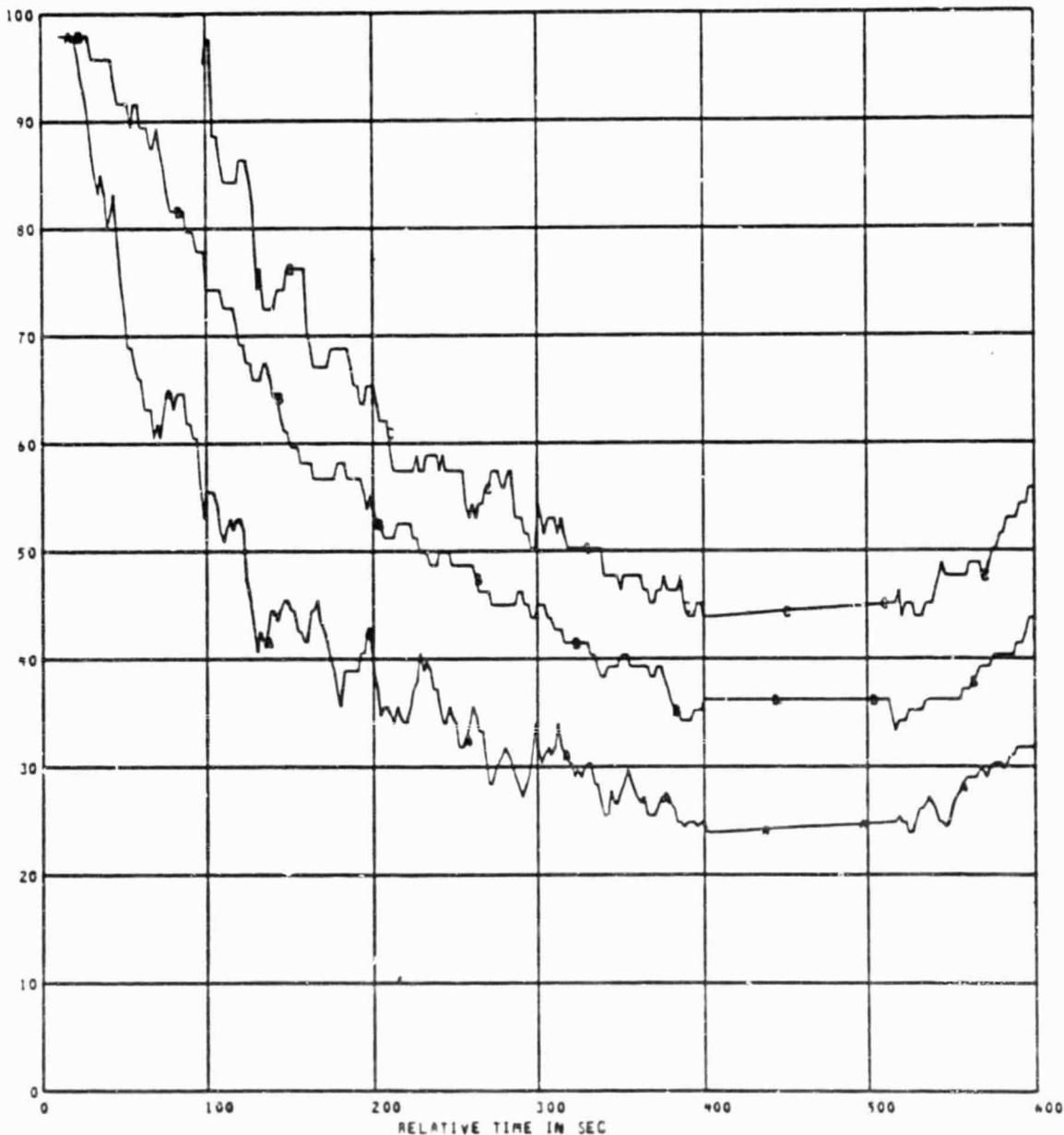
L  
B  
S

MEAS. NUMBER	CHANNEL ASGN	TITLE	RANGE	UNITS	GRID-SYM
5 TLC	125	TEMP-LOAD CELL	0 TO 200	DFG C	AA
5 WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 10 43 50.000

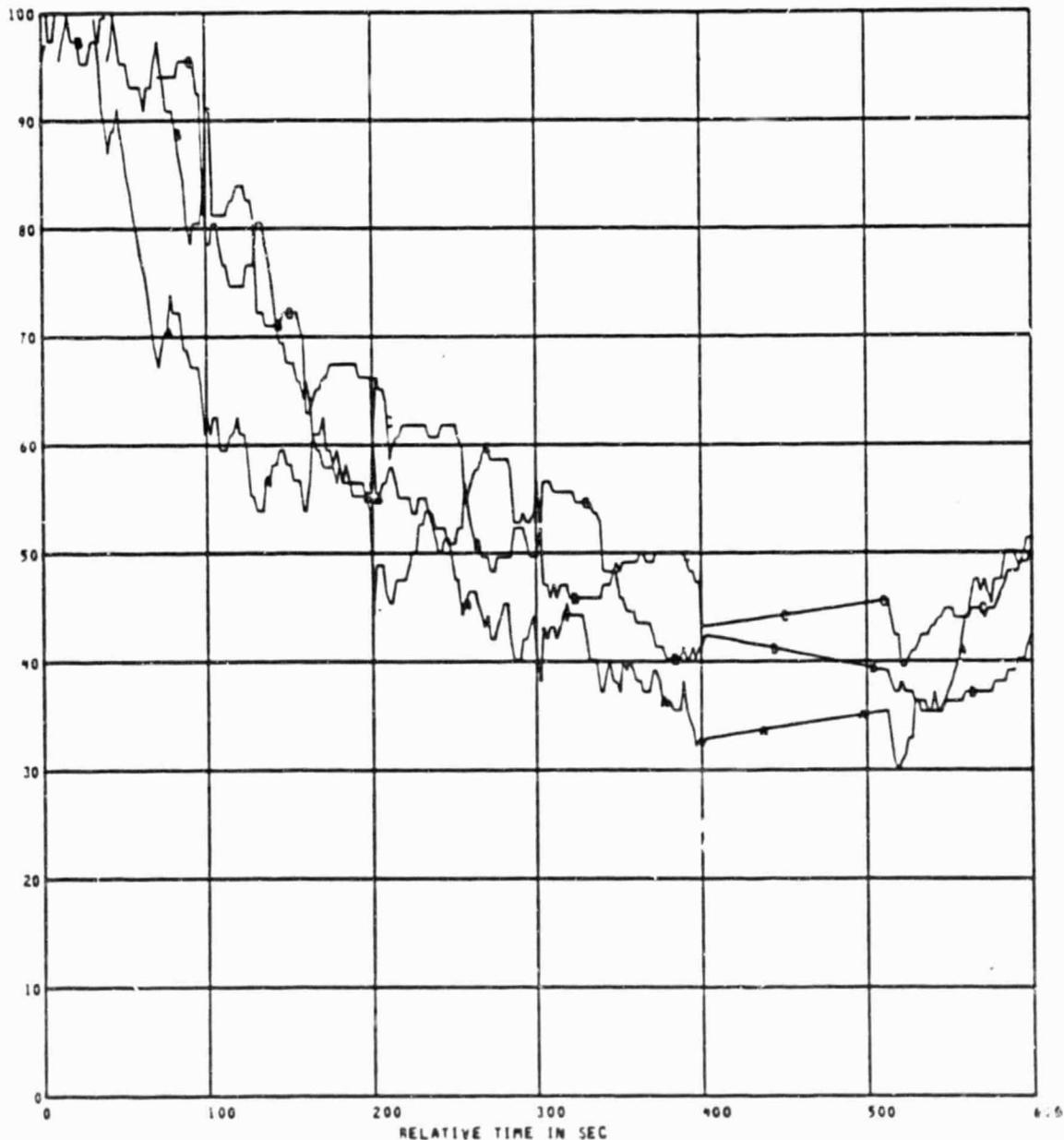


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 43 50.000

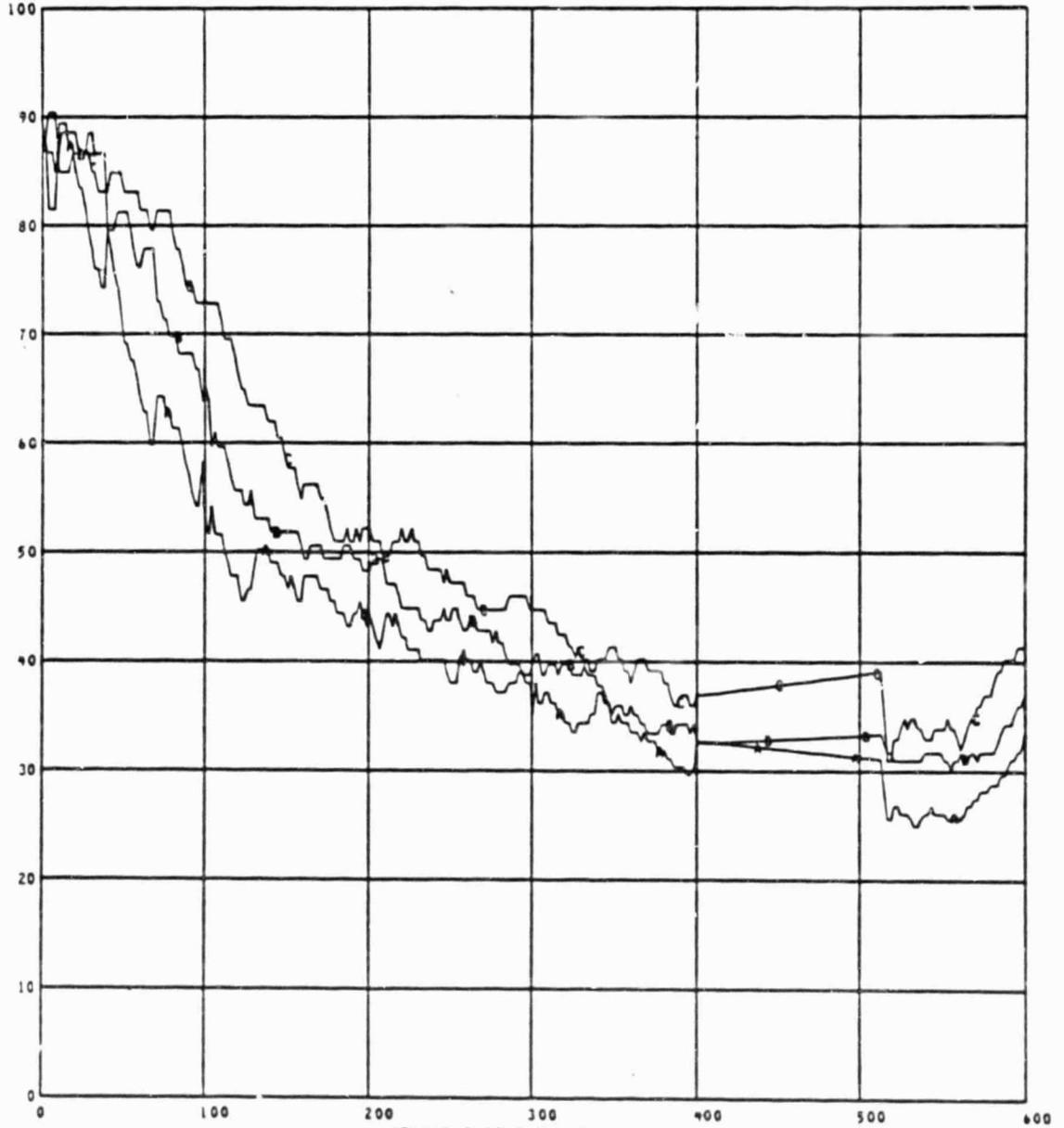


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10 43 50.000

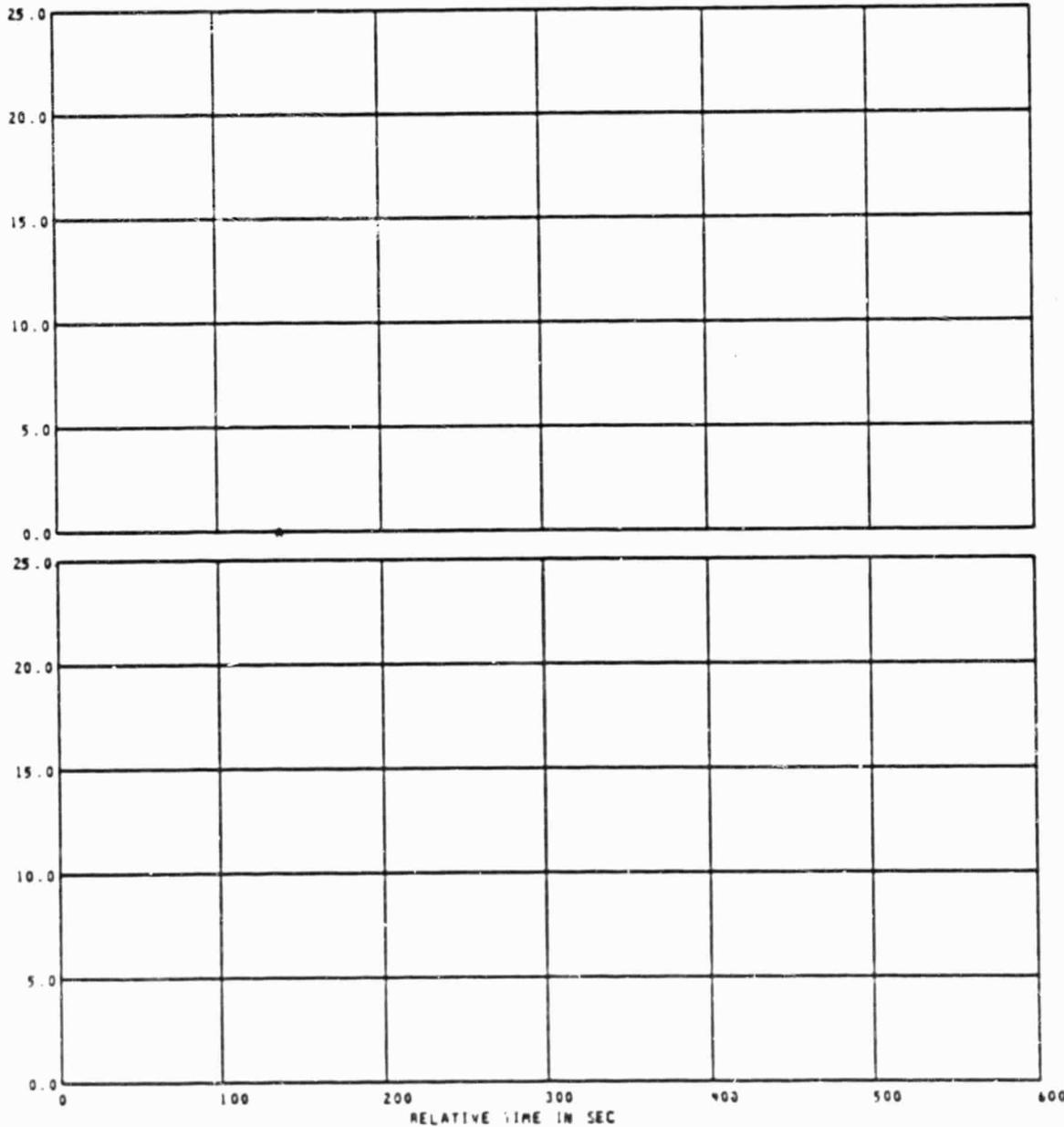


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 43 50.000

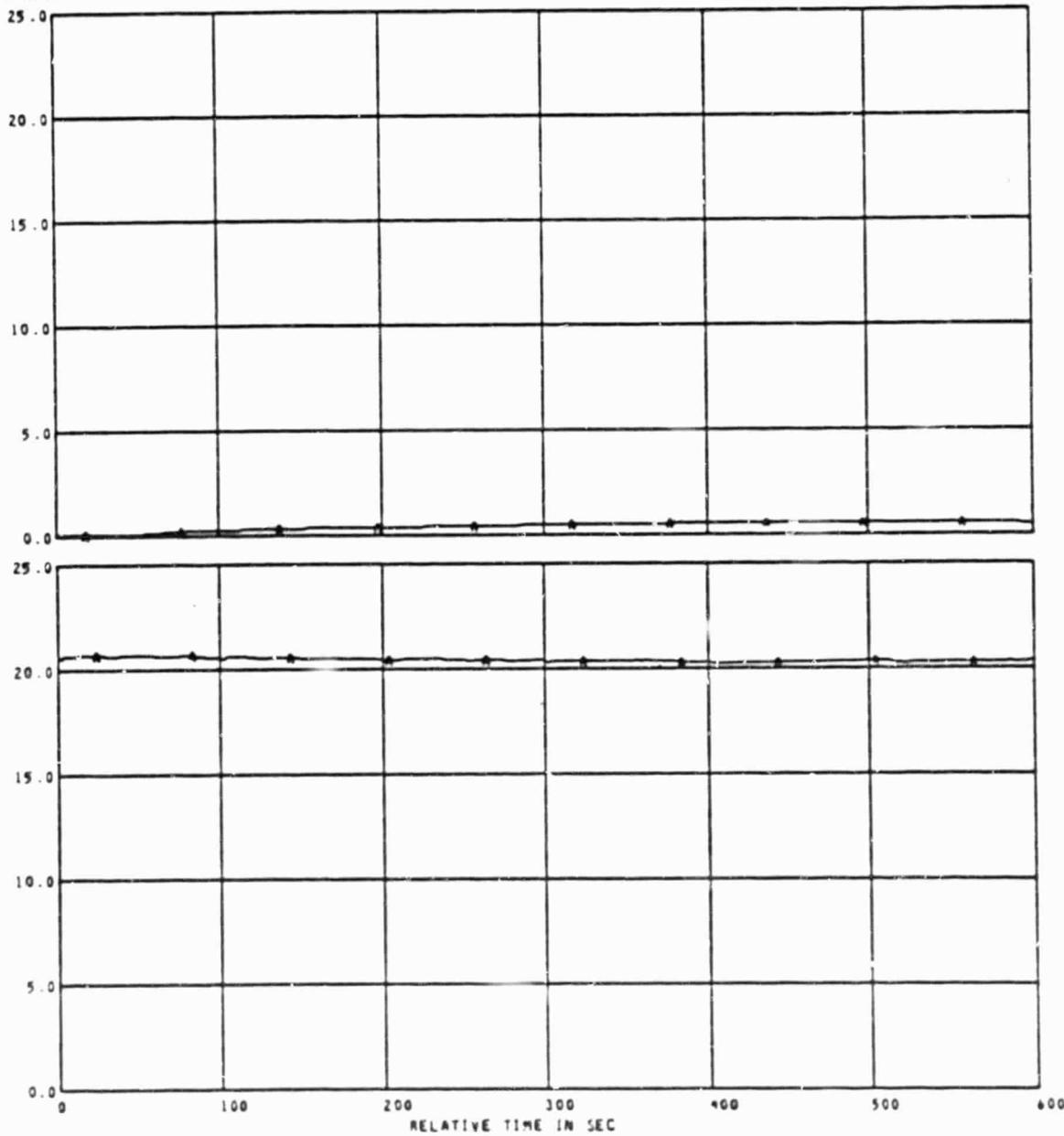


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CMIE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER  
CO2E  
O2E

CHANNEL ASGN.  
090  
094

TITLE  
CARBON DIOXIDE EXHAUST  
OXYGEN EXHAUST

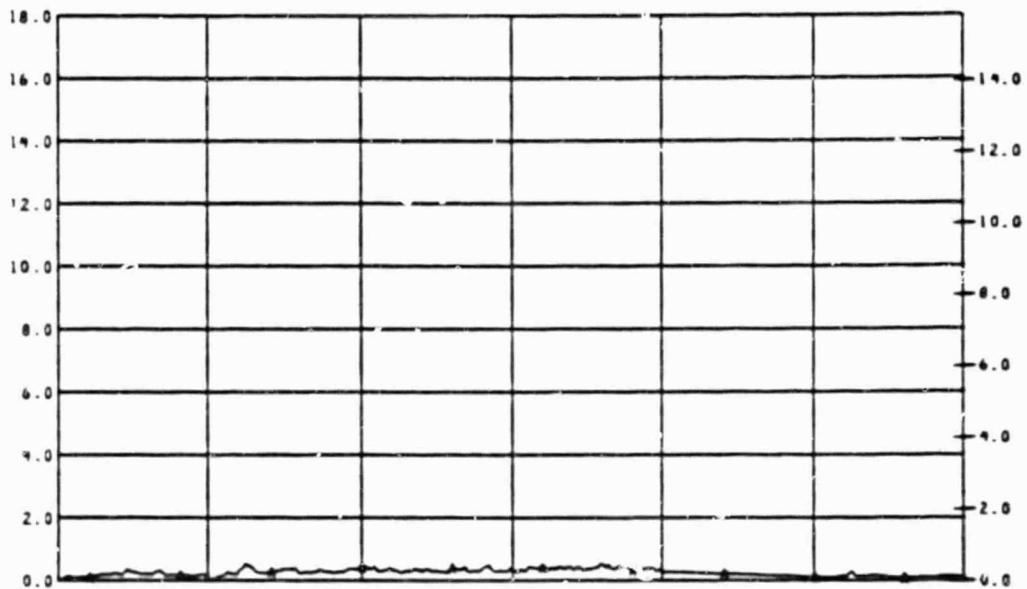
RANGE  
0.0 TO 25.0  
0.0 TO 24.0

UNITS GRID-SYM  
PCT AA  
PCT BA

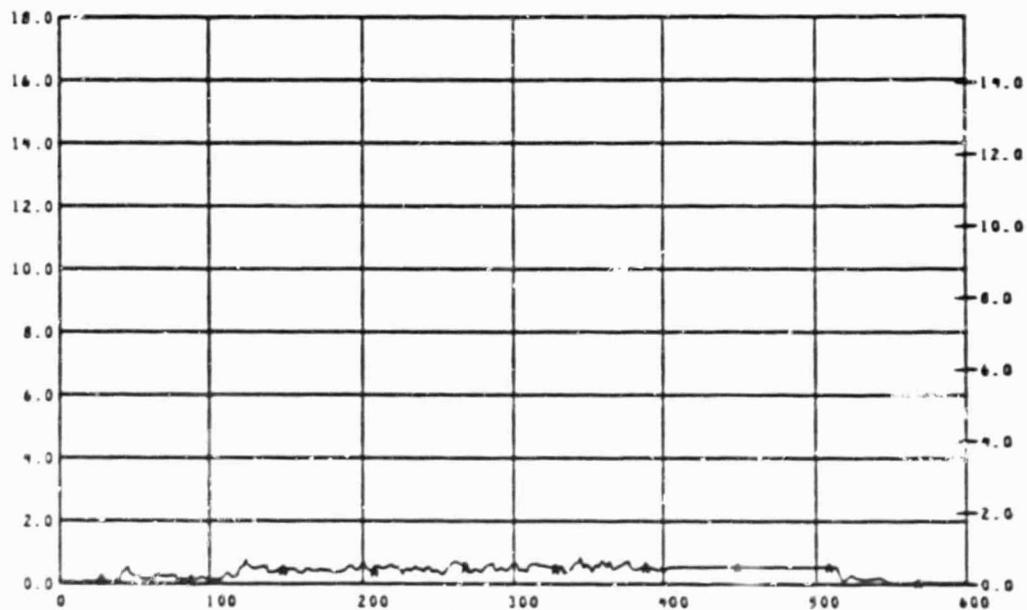
TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 43 50.000



B  
T  
U  
/  
F  
T  
Z



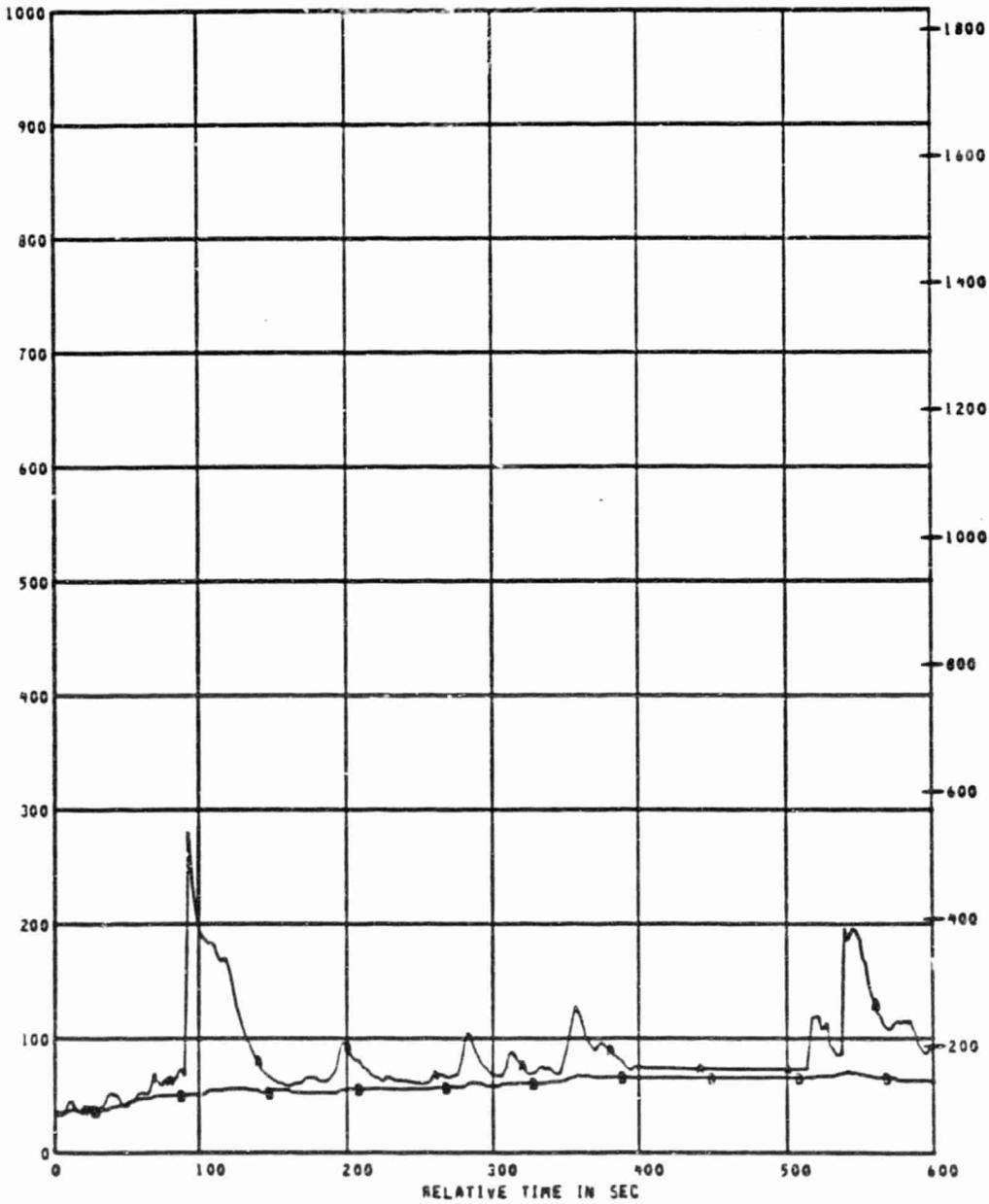
B  
T  
U  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
6 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST 10 NAS7B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 10 43 50.000



D  
E  
G  
F

MEAS. NUMBER  
 \$ TSL1  
 \$ TSL2

CHANNEL ASGN.  
 101  
 102

TITLE  
 TEMP-SEAT LEFT FRONT  
 TEMP-SEAT LEFT MIDDLE

RANGE  
 0 TO 1000  
 0 TO 1000

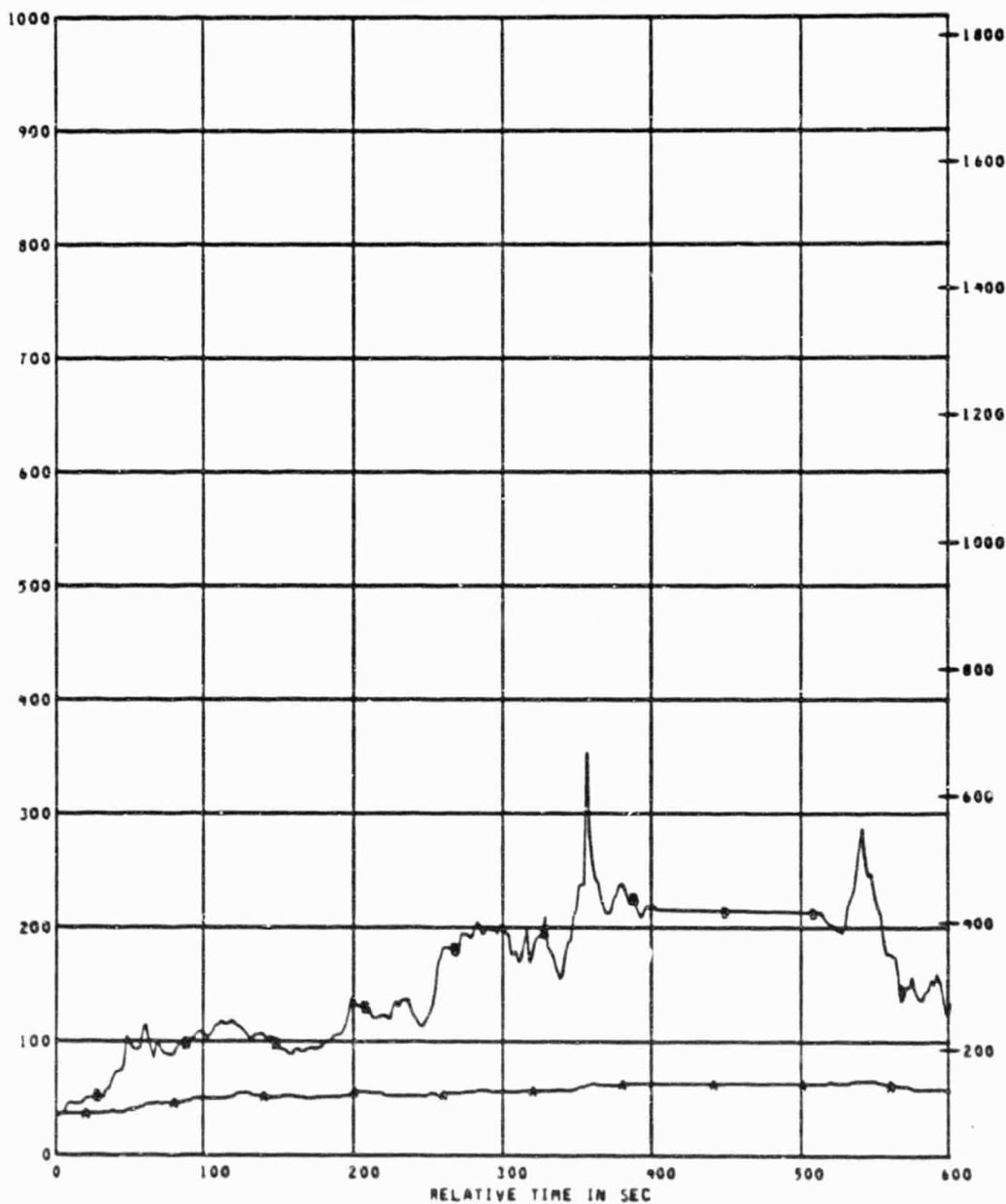
UNITS GRID-SYM  
 DEG C AA  
 DEG C AB

C-4

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER  
# TSL3  
# TSC1

CHANNEL ASGN.  
103  
104

TITLE  
TEMP-SEAT LEFT REAR  
TEMP-SEAT CENTER FRONT

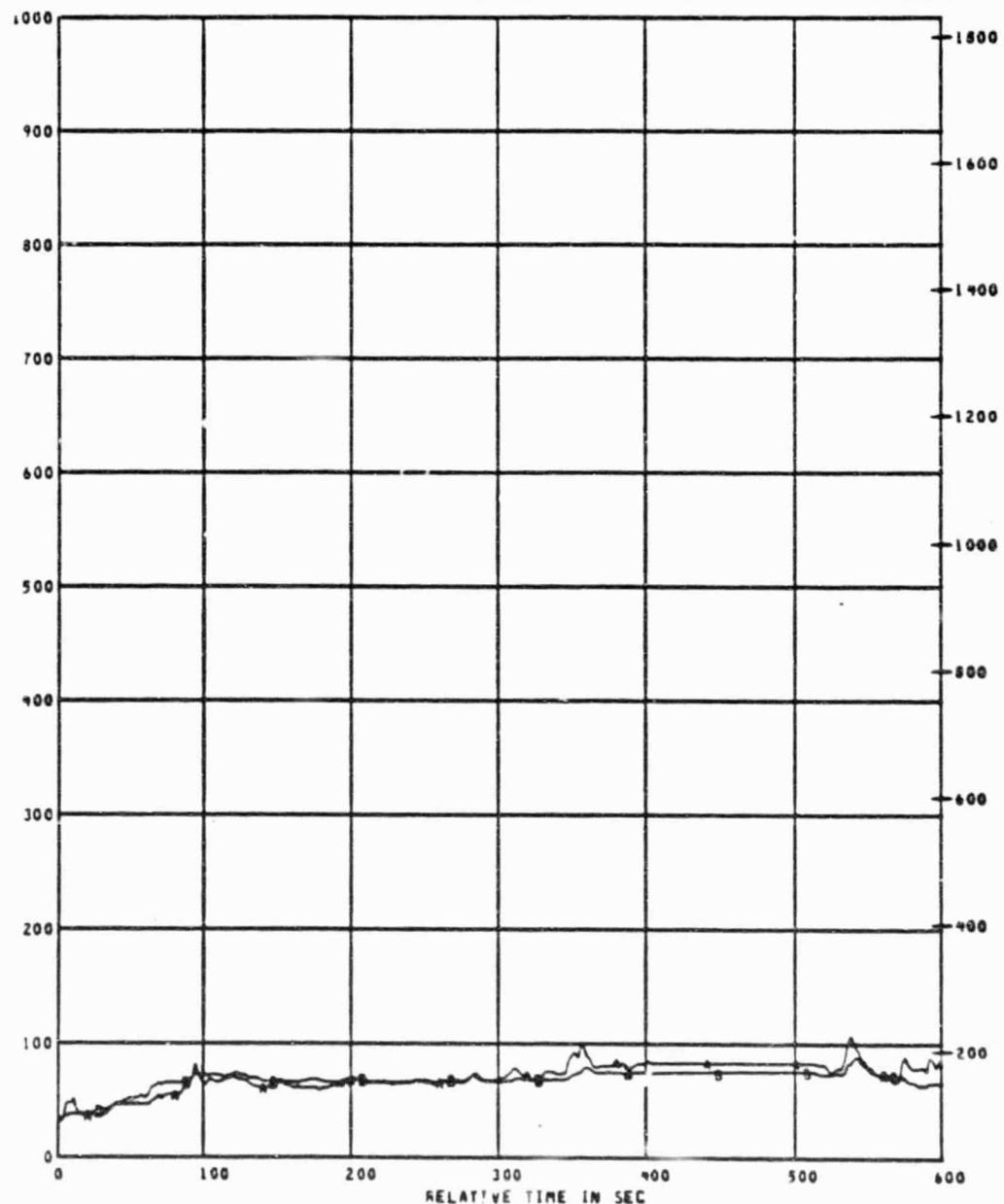
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TRF: 10 78

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 10 43 50.000



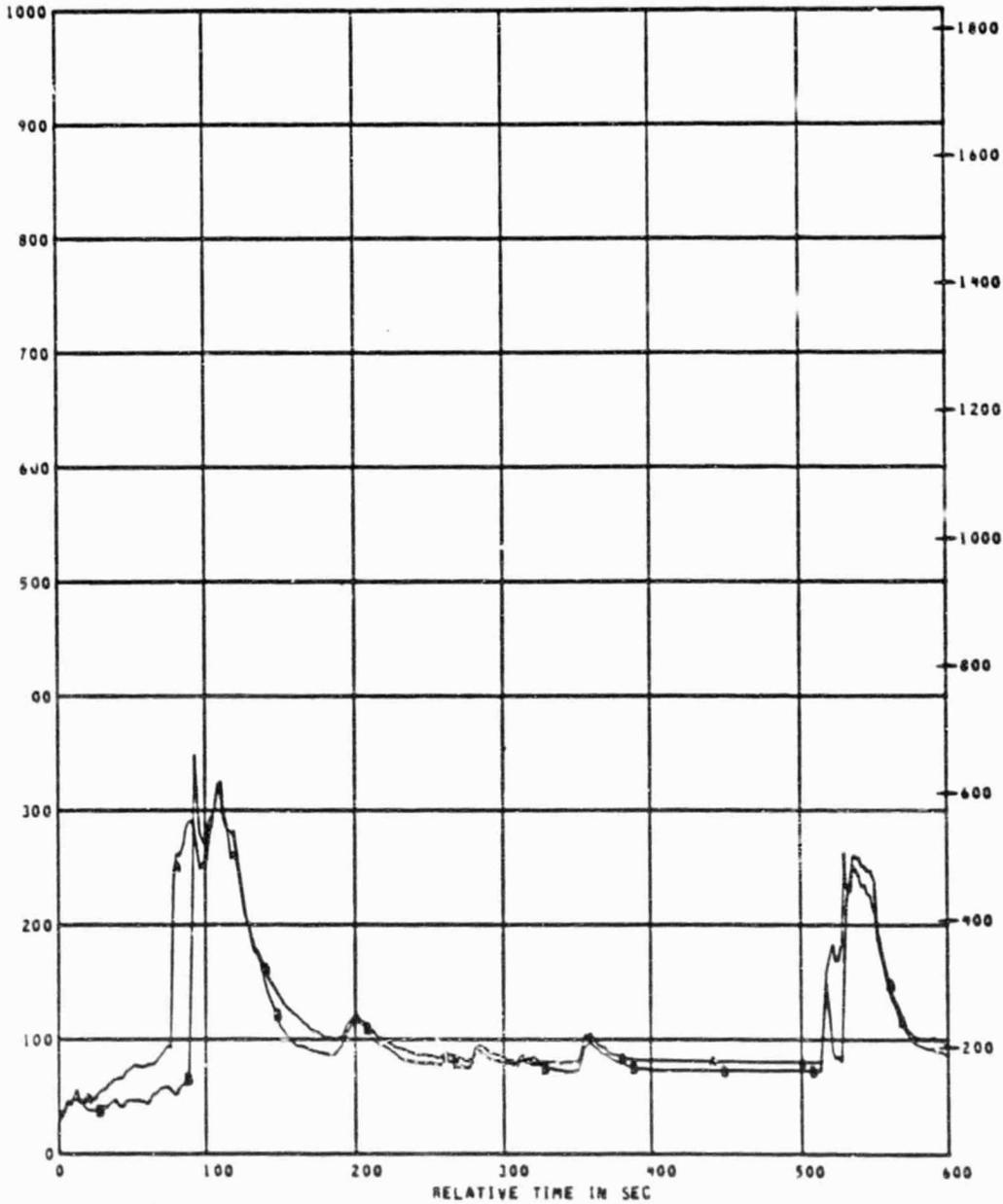
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 43 50.000



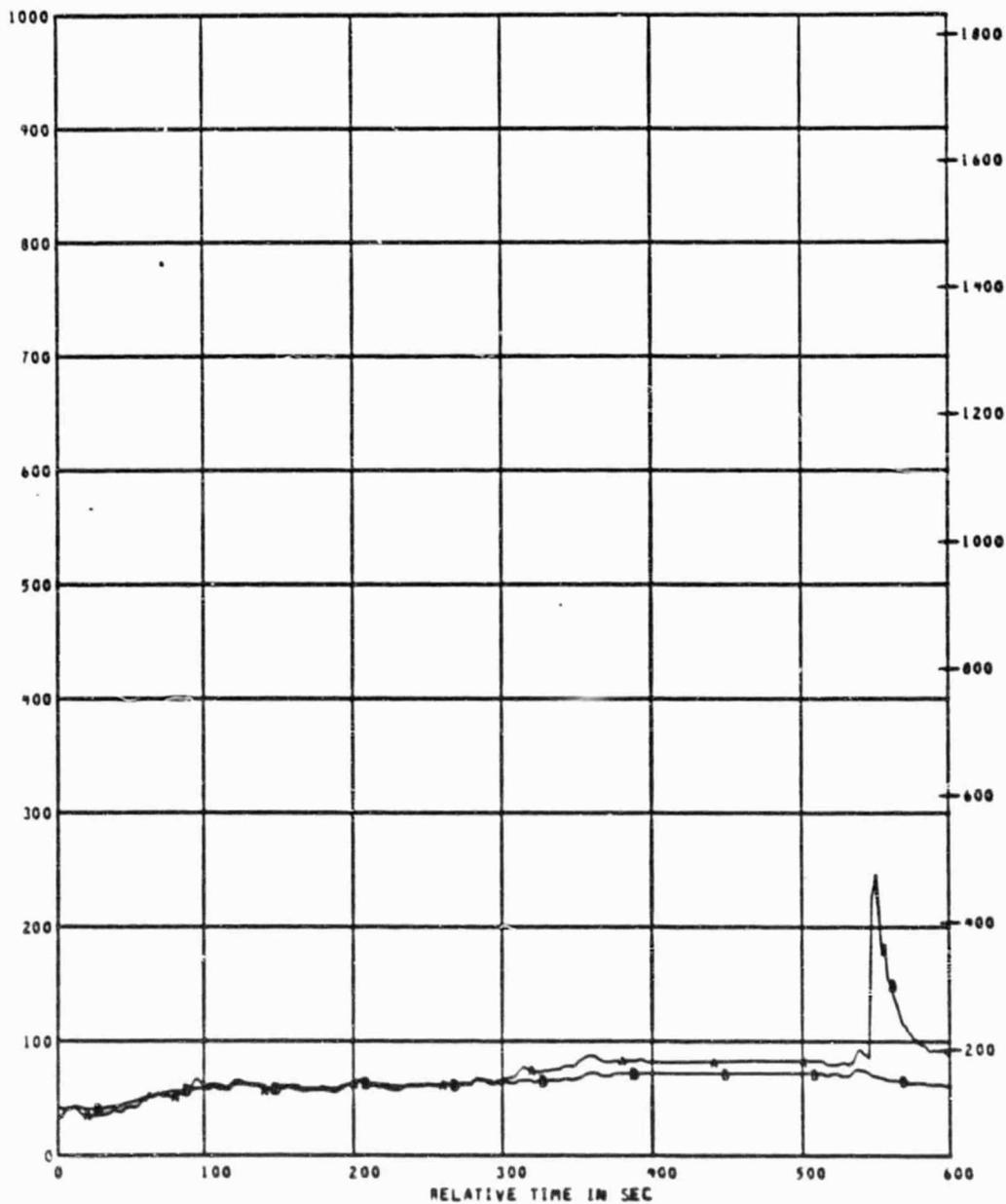
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NA578

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 43 50.000



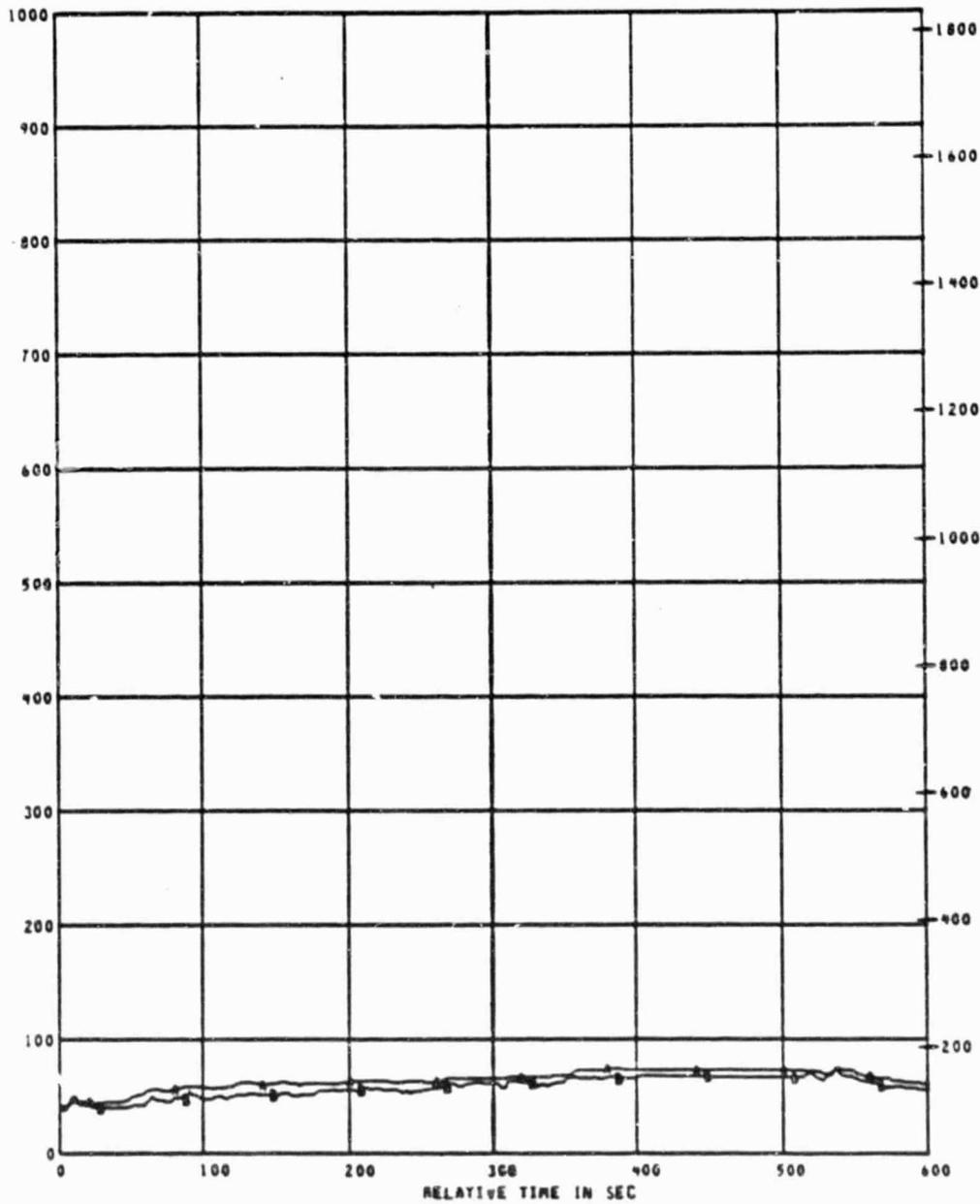
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C  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
4 TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS7B

SEAT TST-OCT 1986 PLCT NO 12 - 1

REFERENCE TIME 10 43 50.000



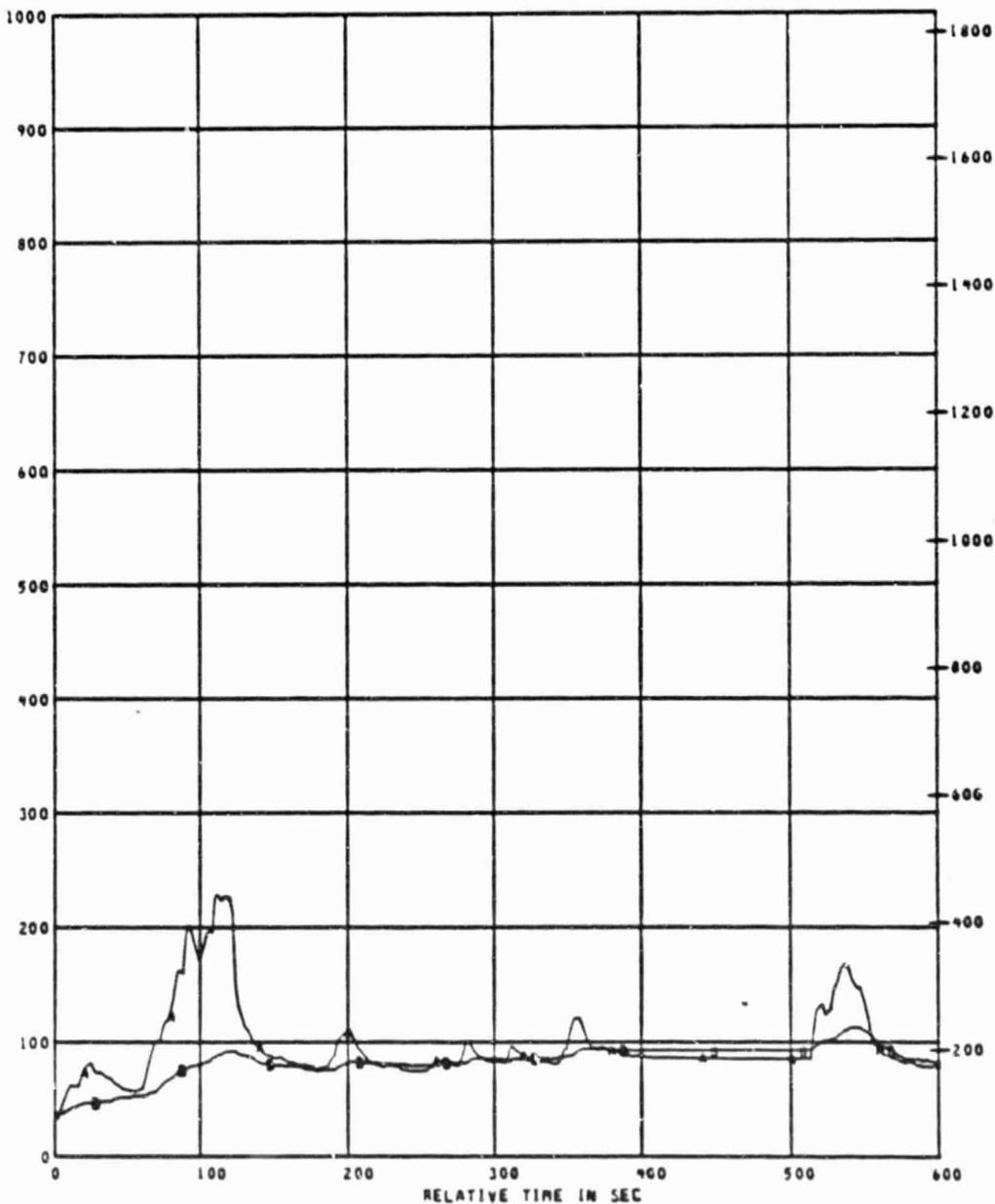
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
1 TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 43 50.000



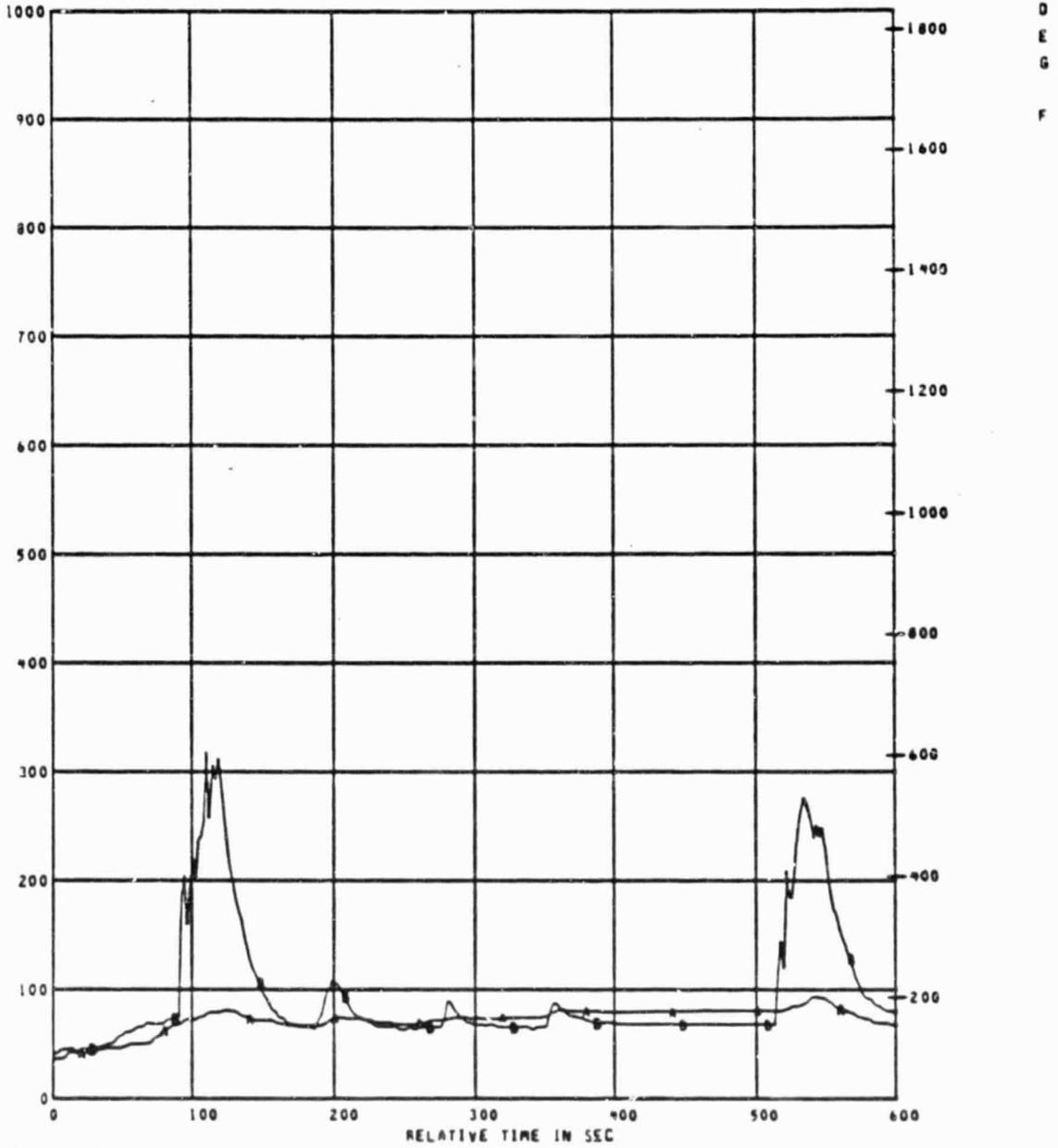
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
s TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 43 50.000

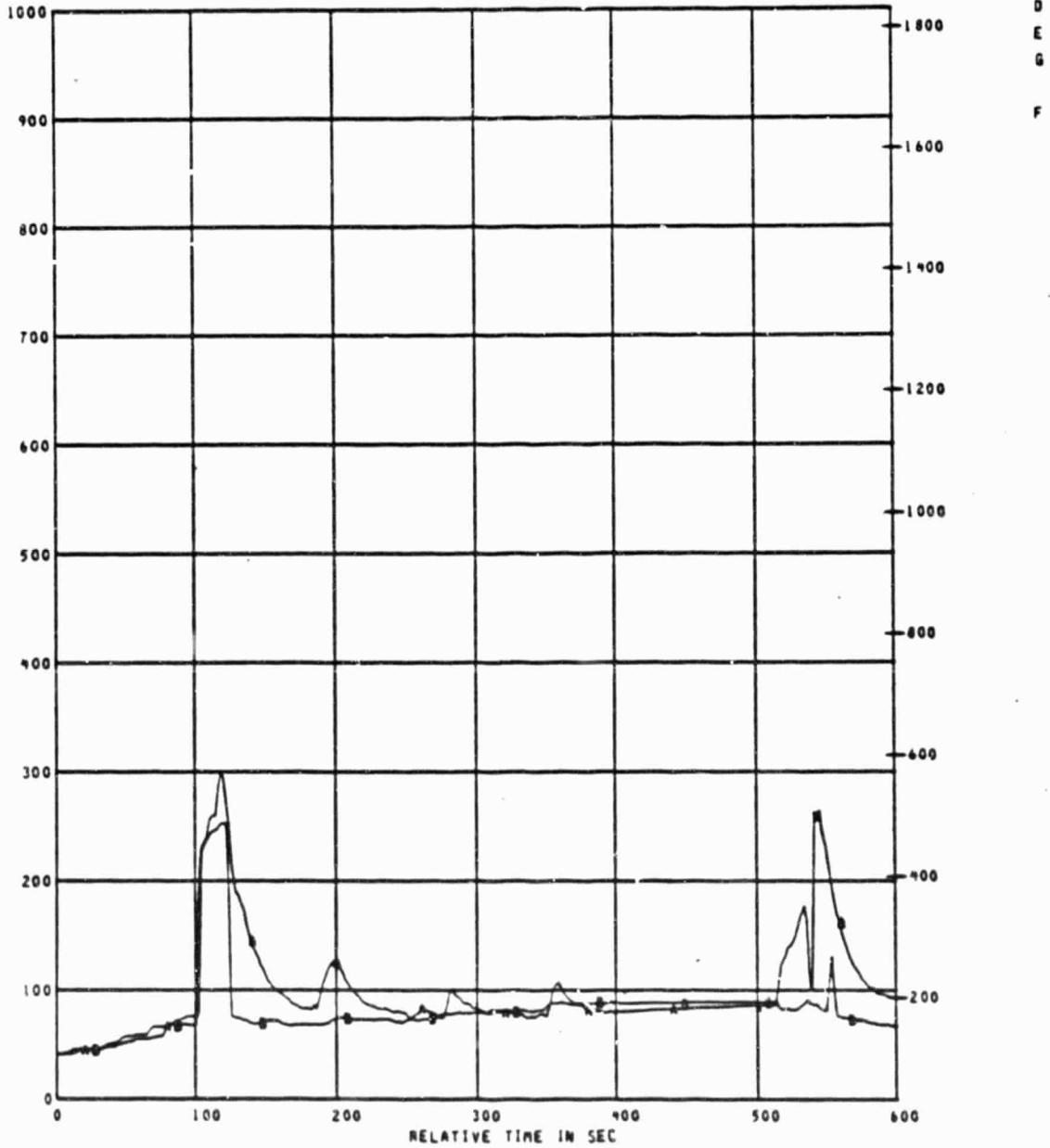


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
# TBC3	115	TEMP-BAC& CENTER TOP	0 TO 1000	DEG C	AA
# TBR1	116	TEMP-BAC& RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 43 50.000

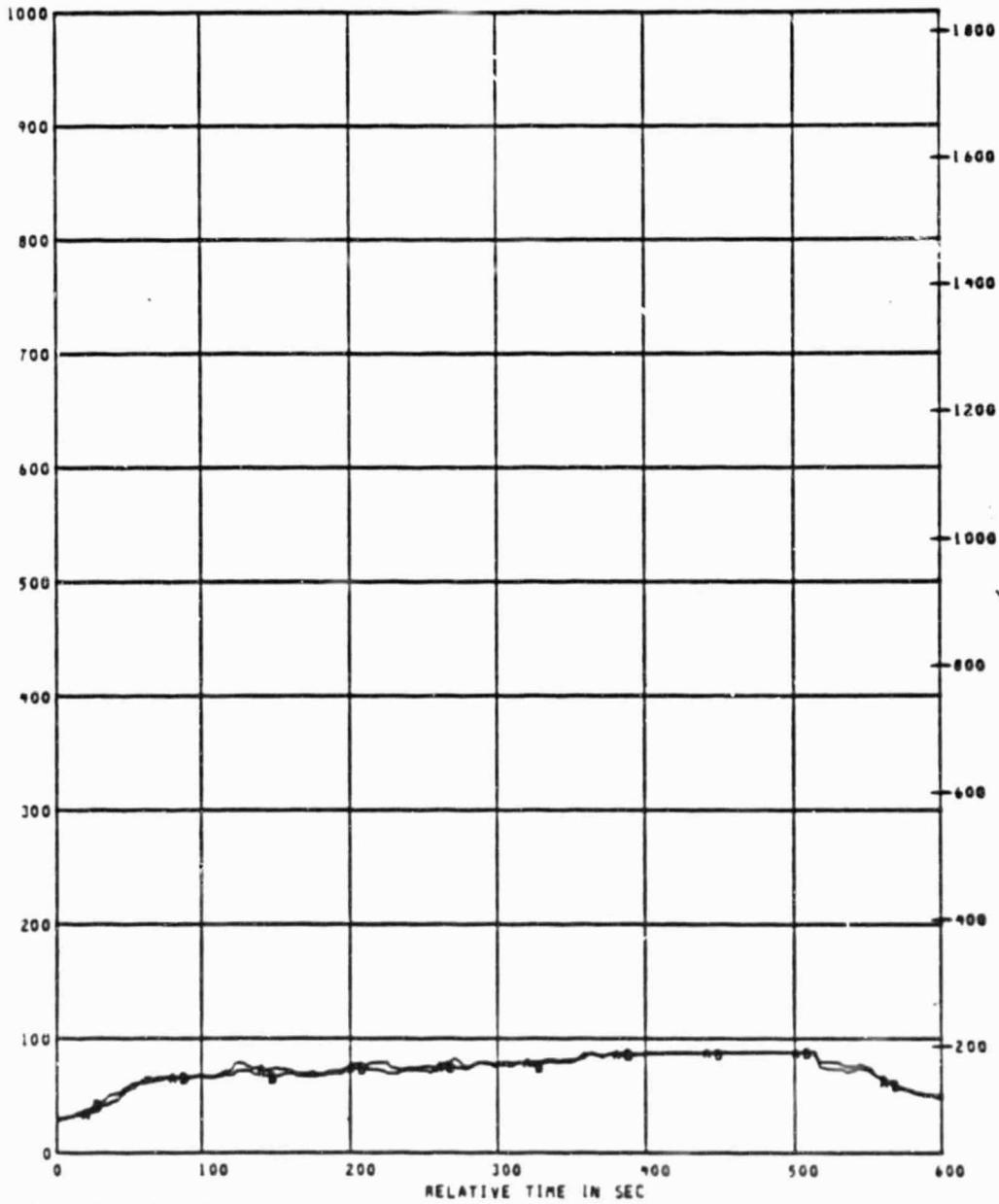


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
s TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 43 50.000

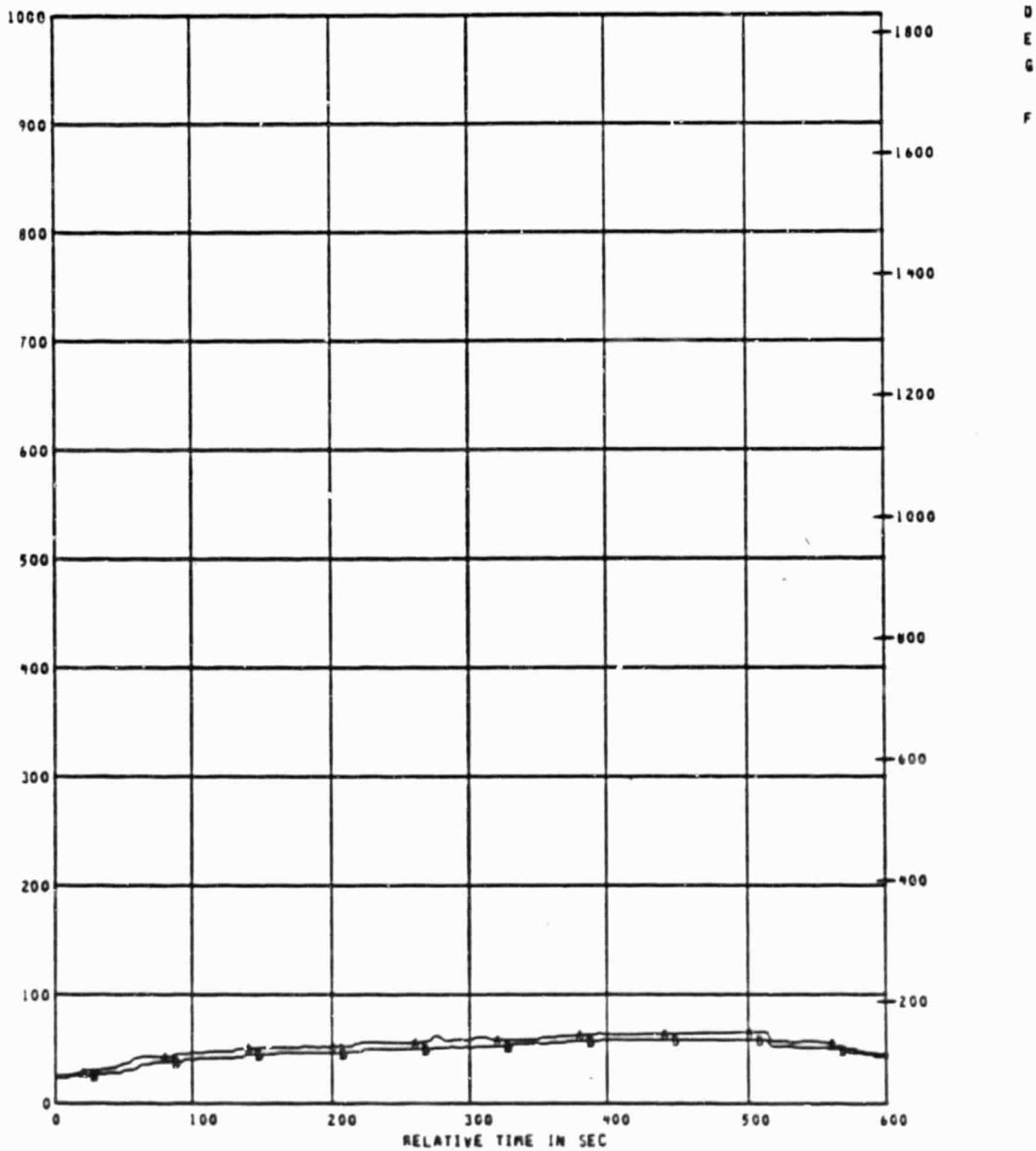


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
119	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
120	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 43 50.000



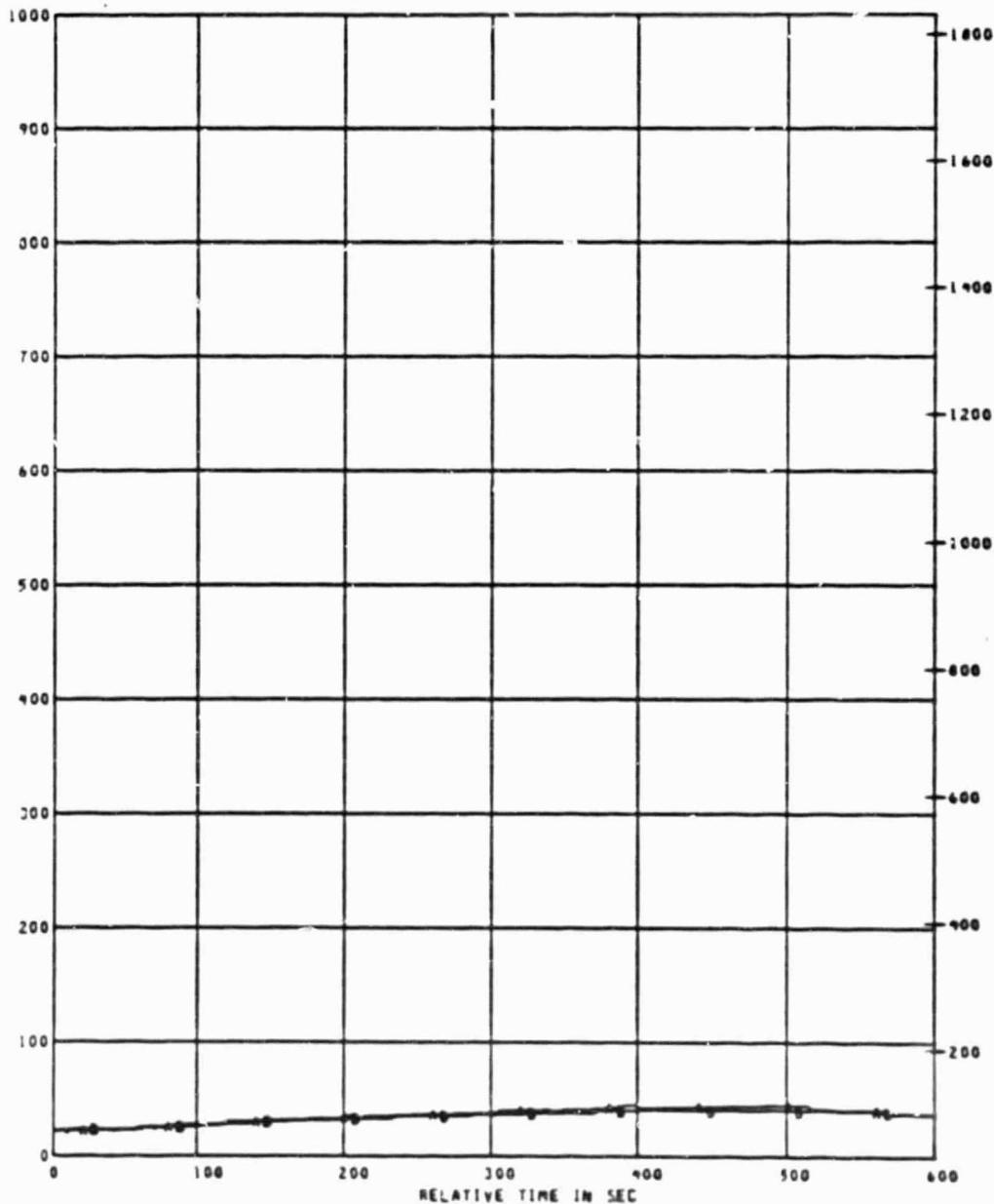
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
8 TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
8 TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 43 50.000



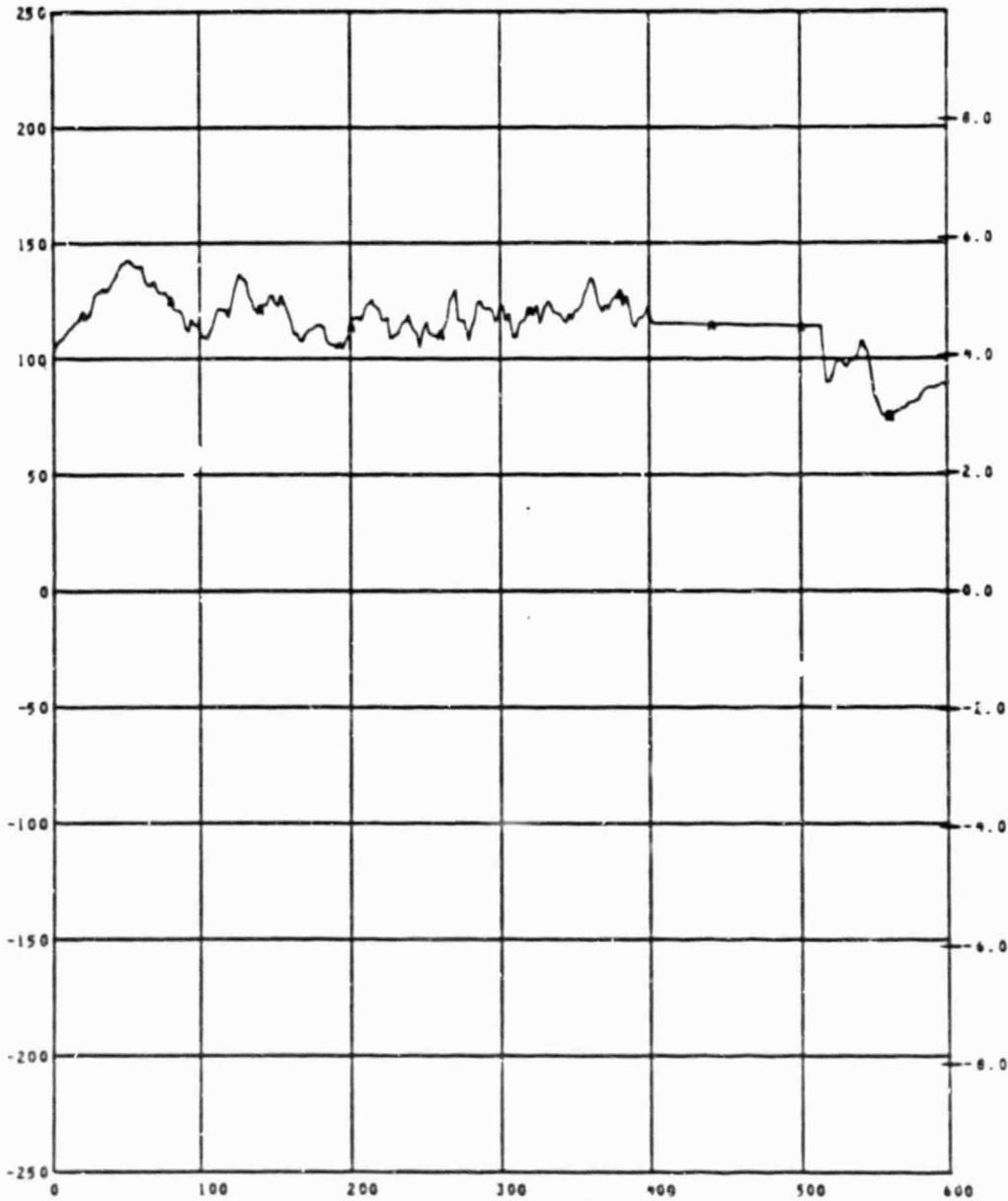
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
* TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID N157B

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 43 50.000



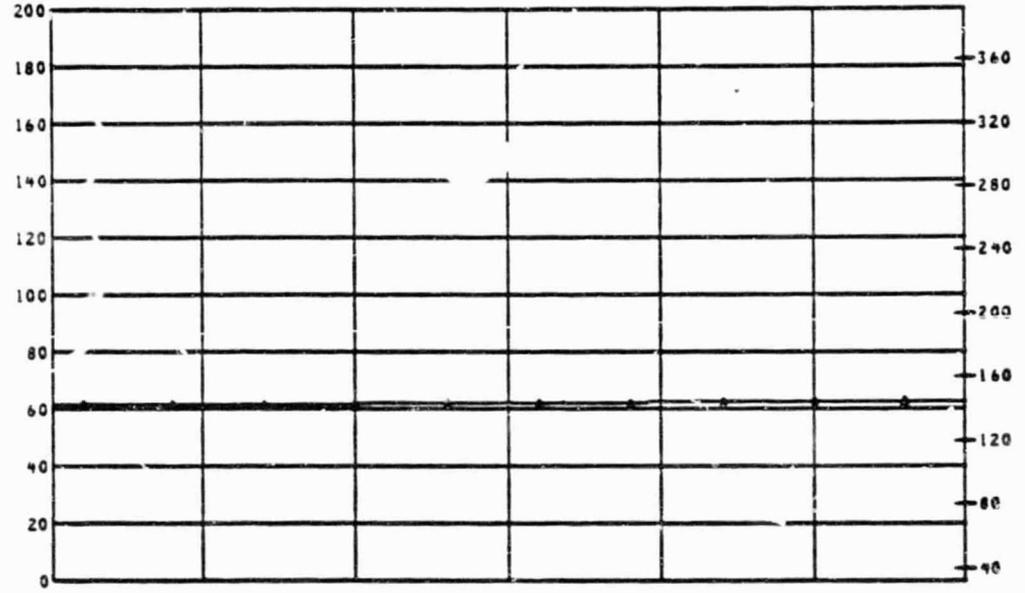
I  
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MEAS. NUMBER 5 DPC	CHANNEL ASGN. 098	TITLE CABIN DELTA PRESSURE	RANGE -250 TO 250	UNITS GRID-SYM MM H2O AA
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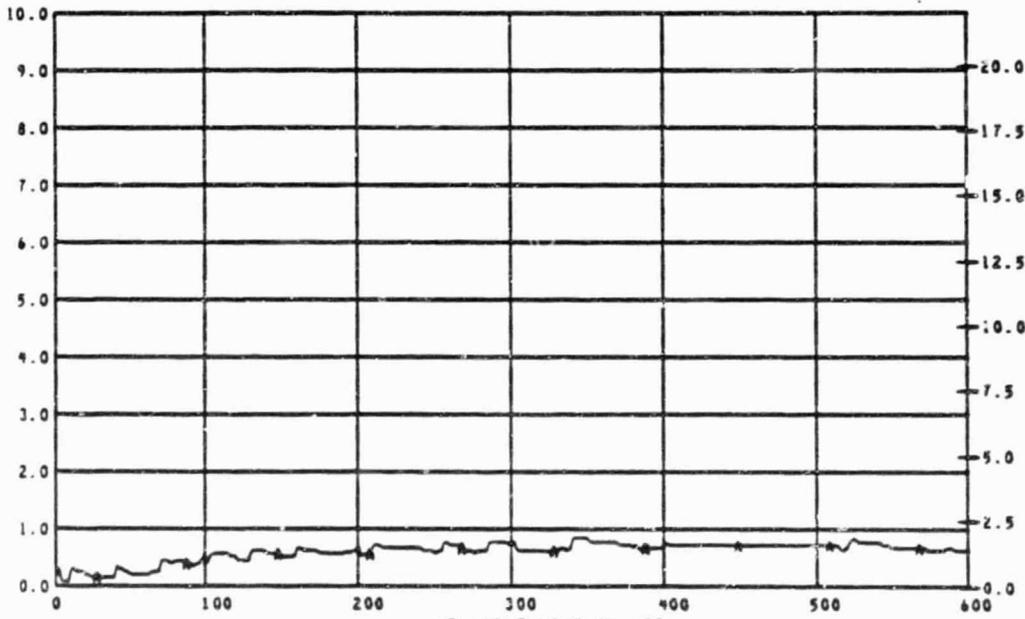
TEST ID NA578

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 43 50.000



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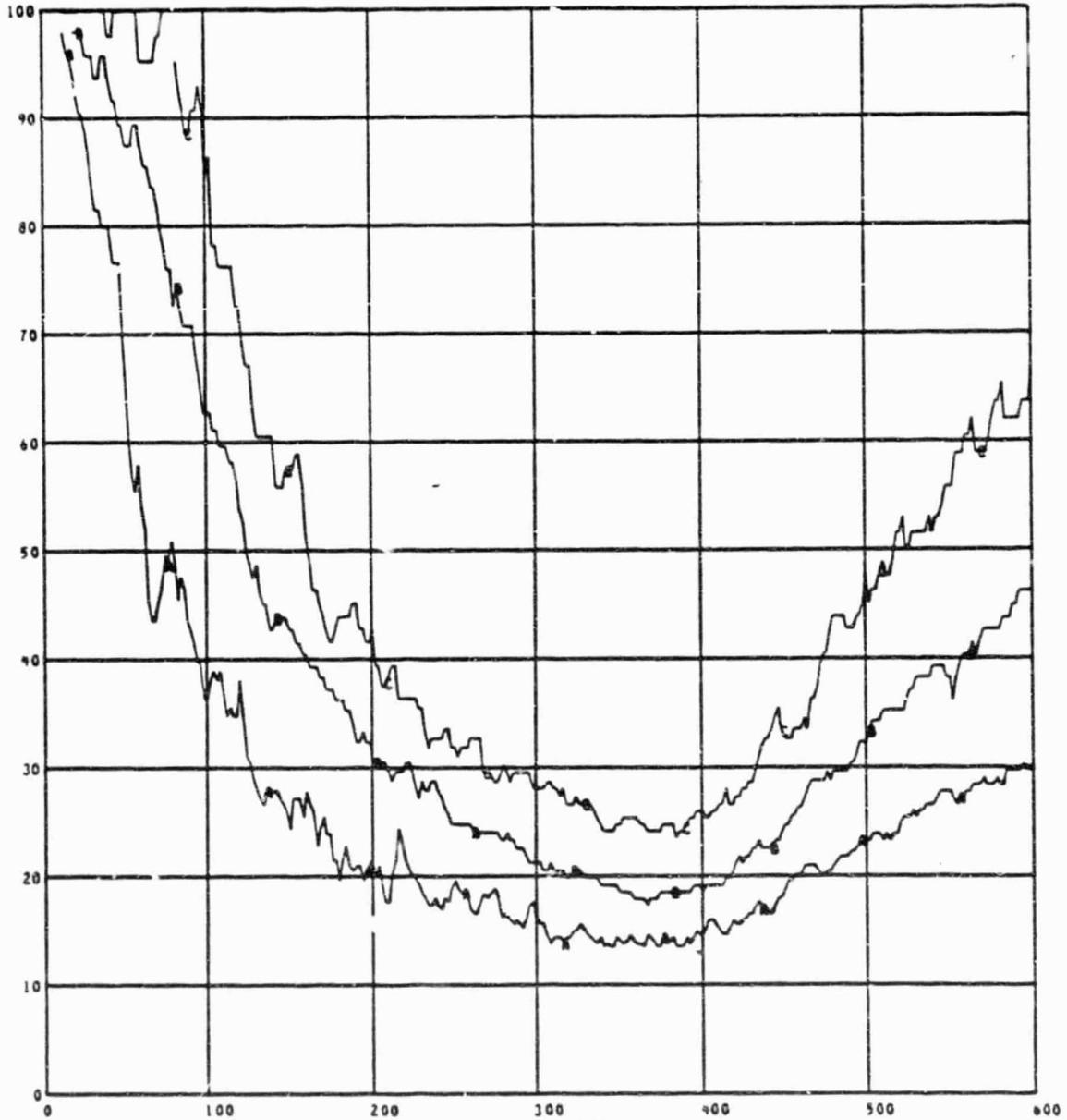
L  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
\$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 13 10 08.000

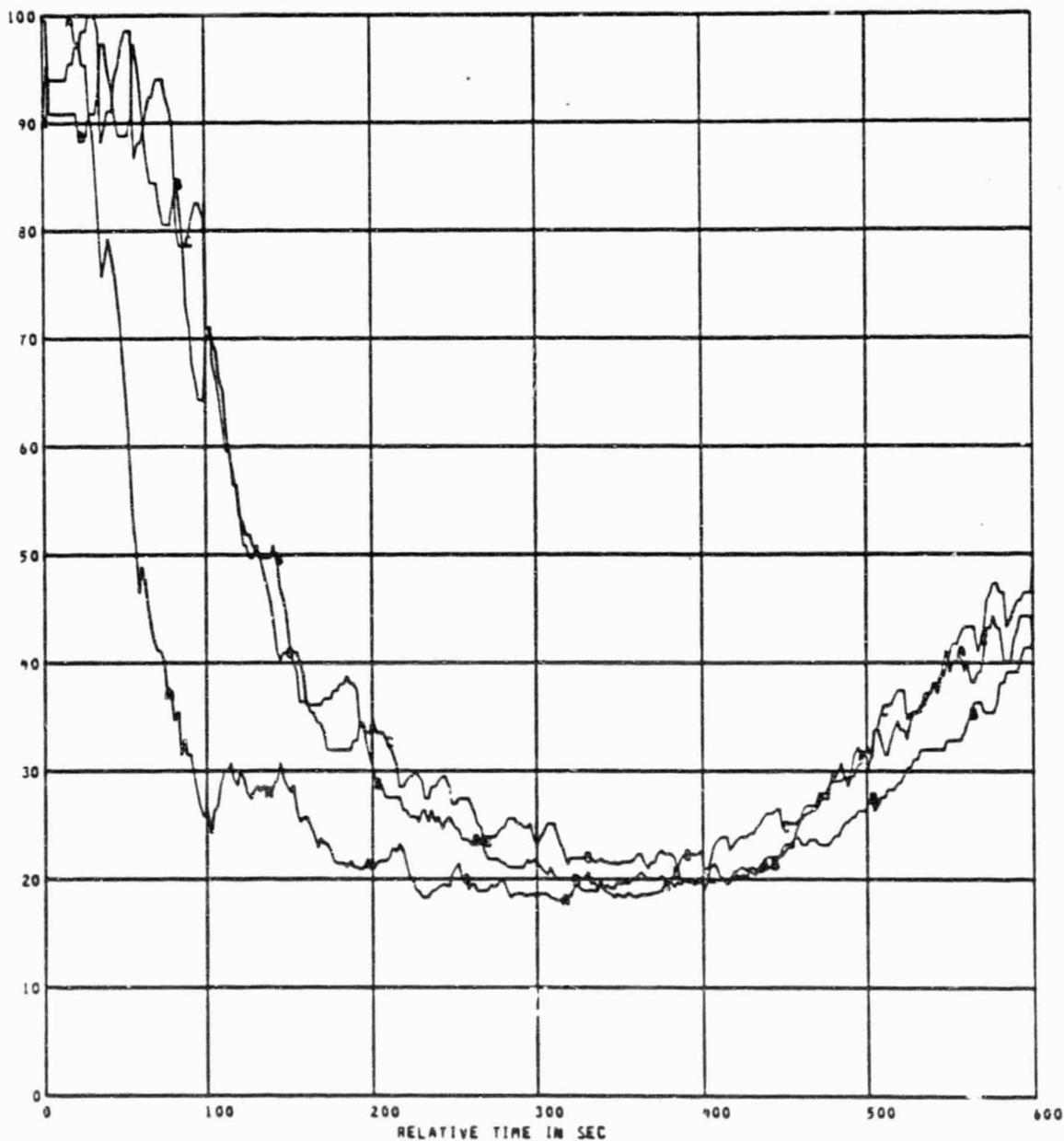


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS8B

SEAT TST-OCT 1980 LOT NO 2 - 1

REFERENCE TIME 13 10 08.000

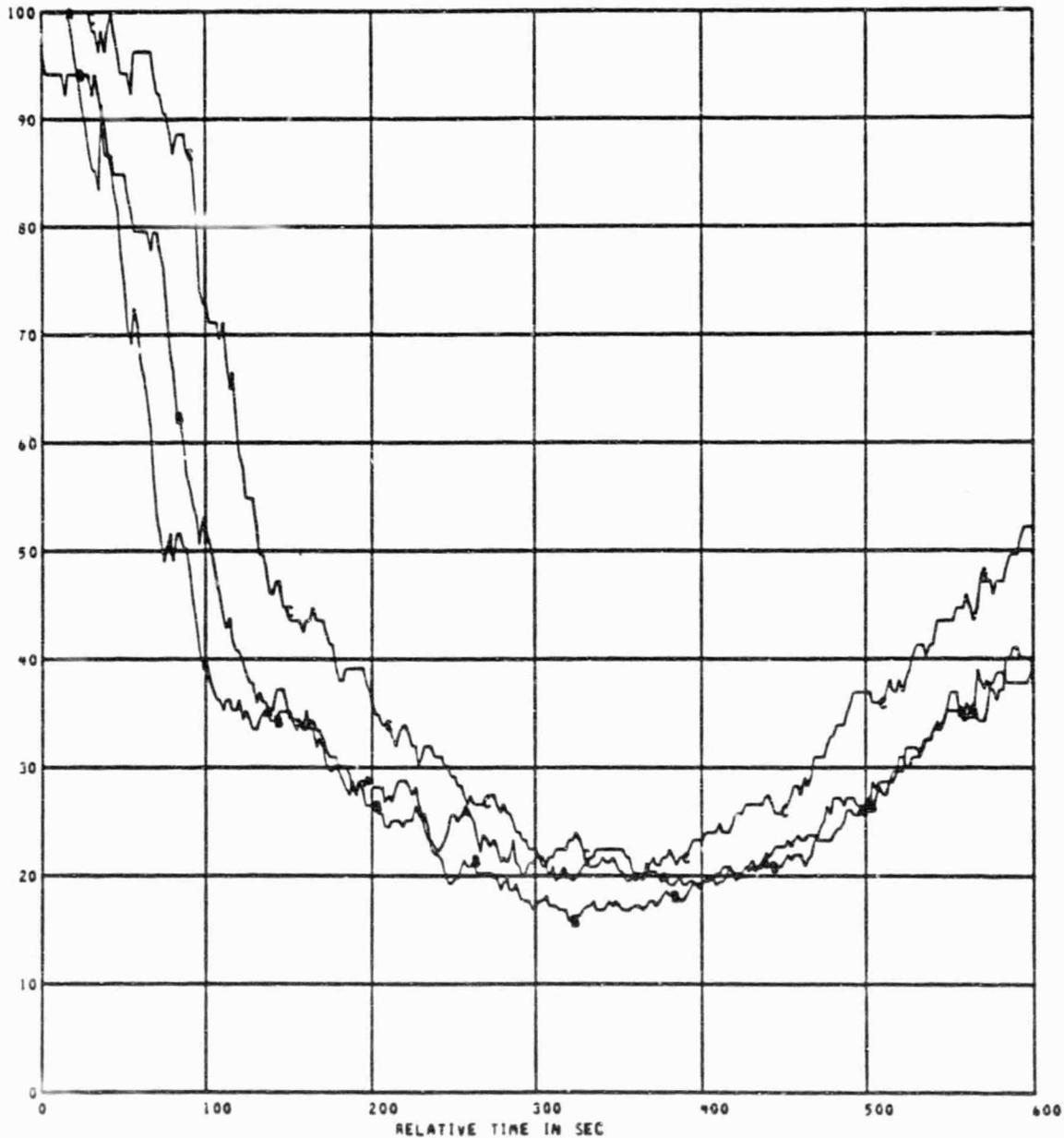


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 13 10 08.000

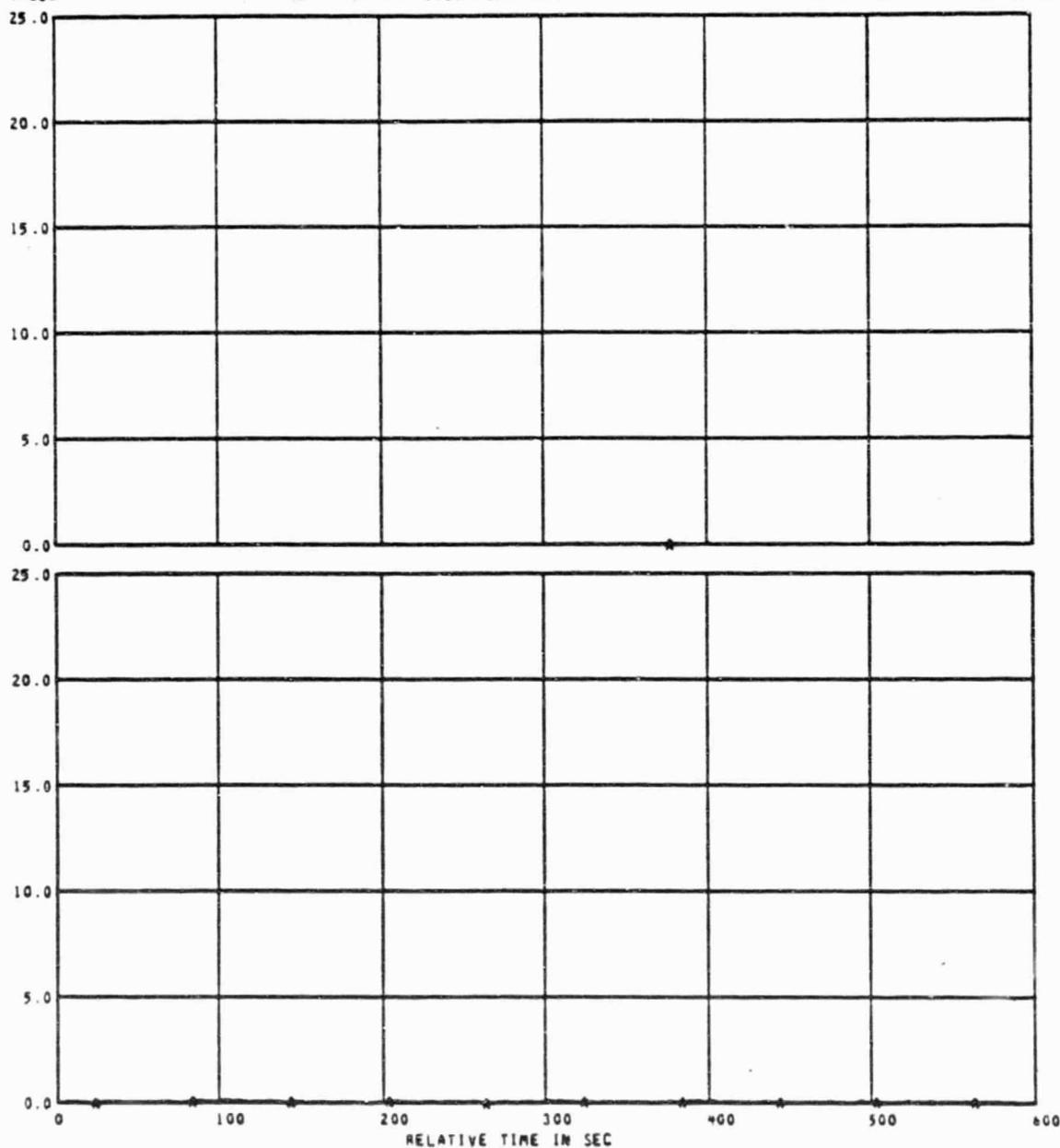


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 13 10 08.000

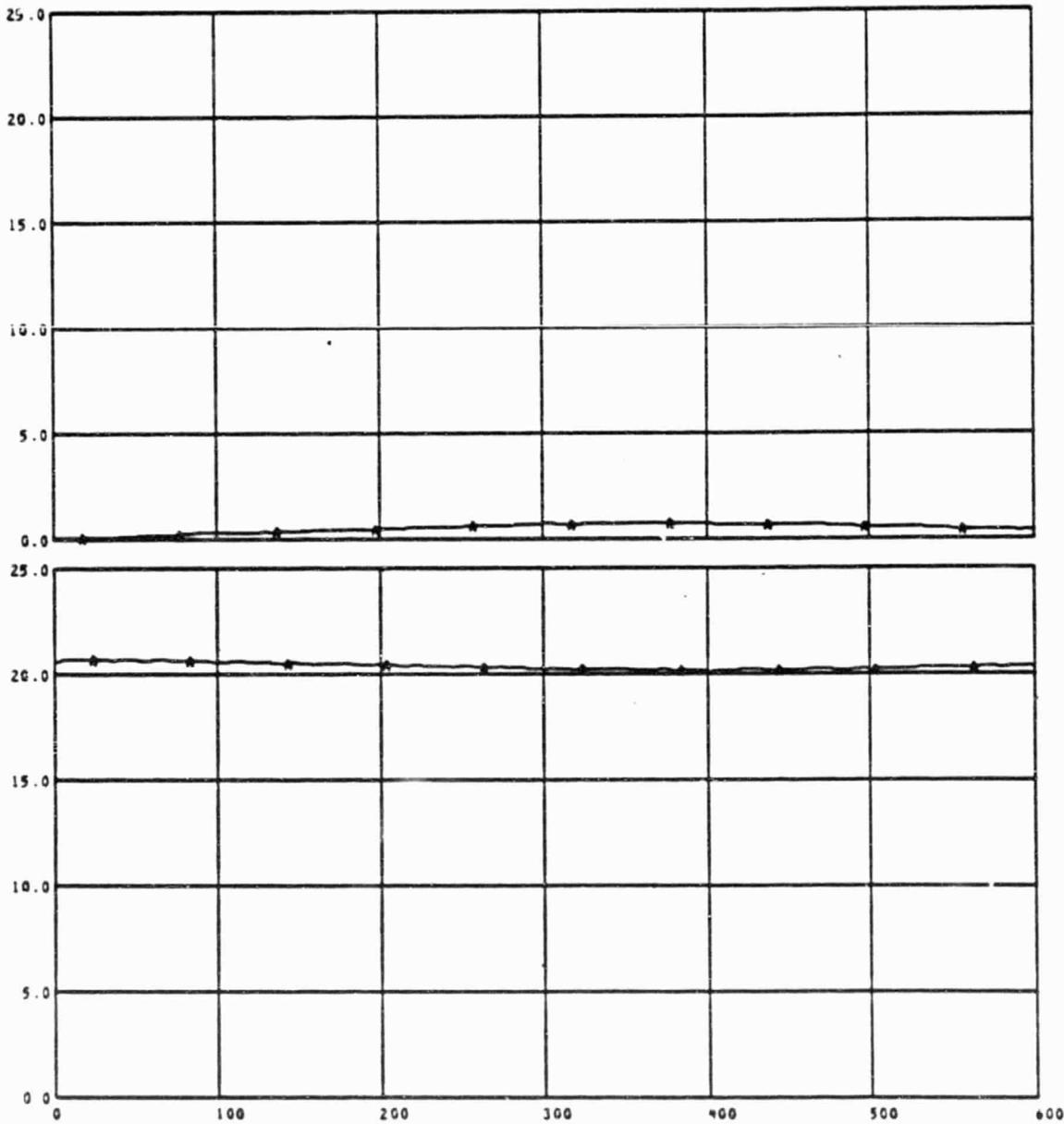


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS88

SEAT T57-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 10 08.000

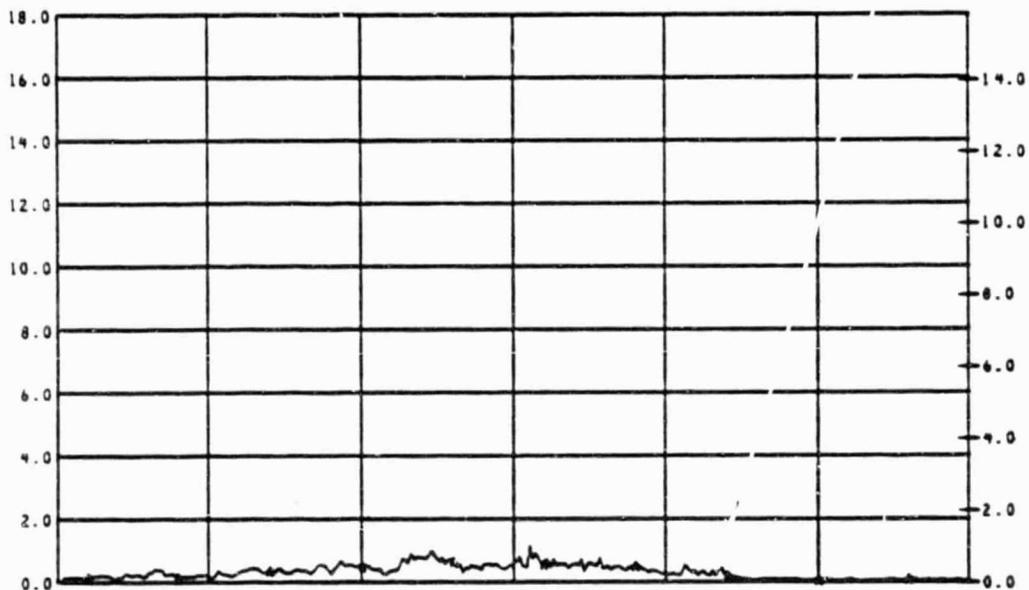


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

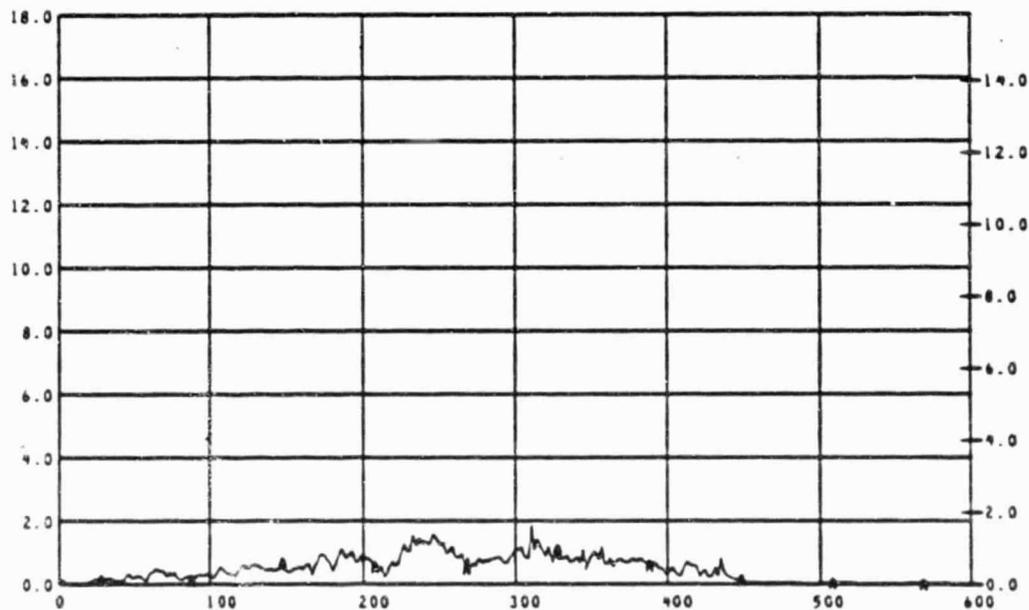
TEST ID NAS80

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 10 08.000



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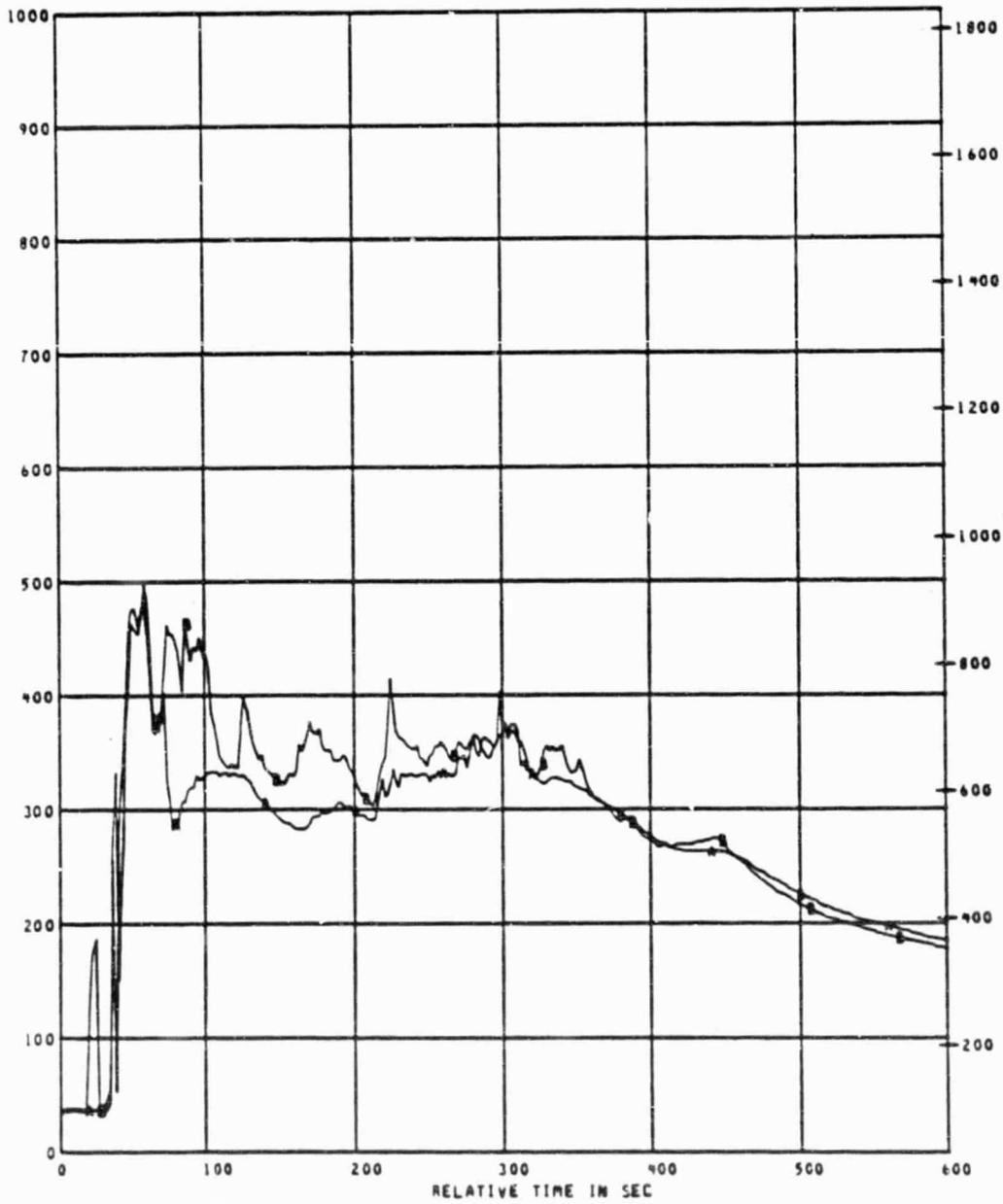
B  
T  
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2

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
8 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
8 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 13 10 08.000



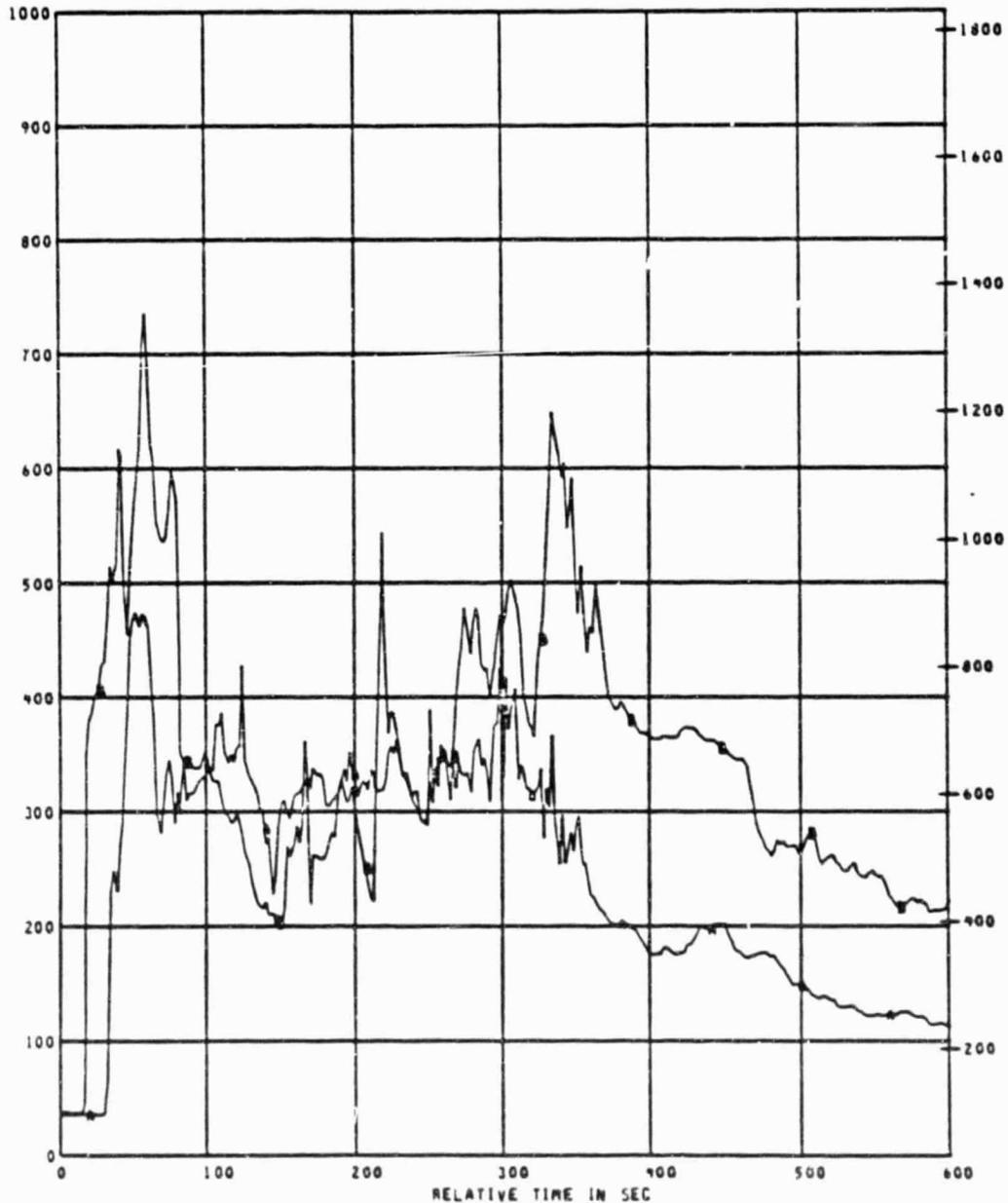
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 13 10 08.000



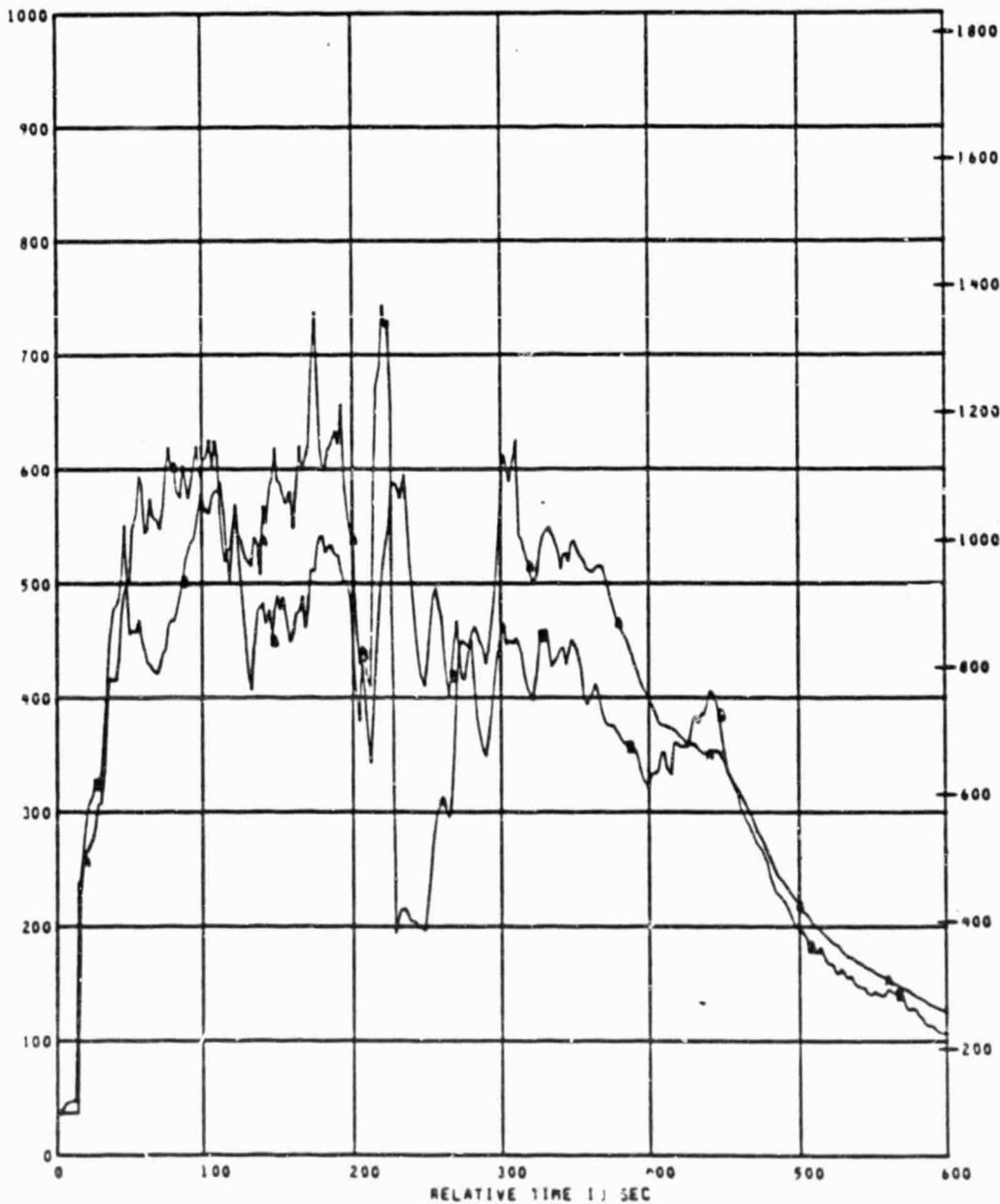
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
1 TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS8B

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 13 10 08.000



MEAS. NUMBER  
s TSC2  
s TSC3

CHANNEL ASGN.  
105  
106

TITLE  
TEMP-SEAT CENTER MIDDLE  
TEMP-SEAT CENTER REAR

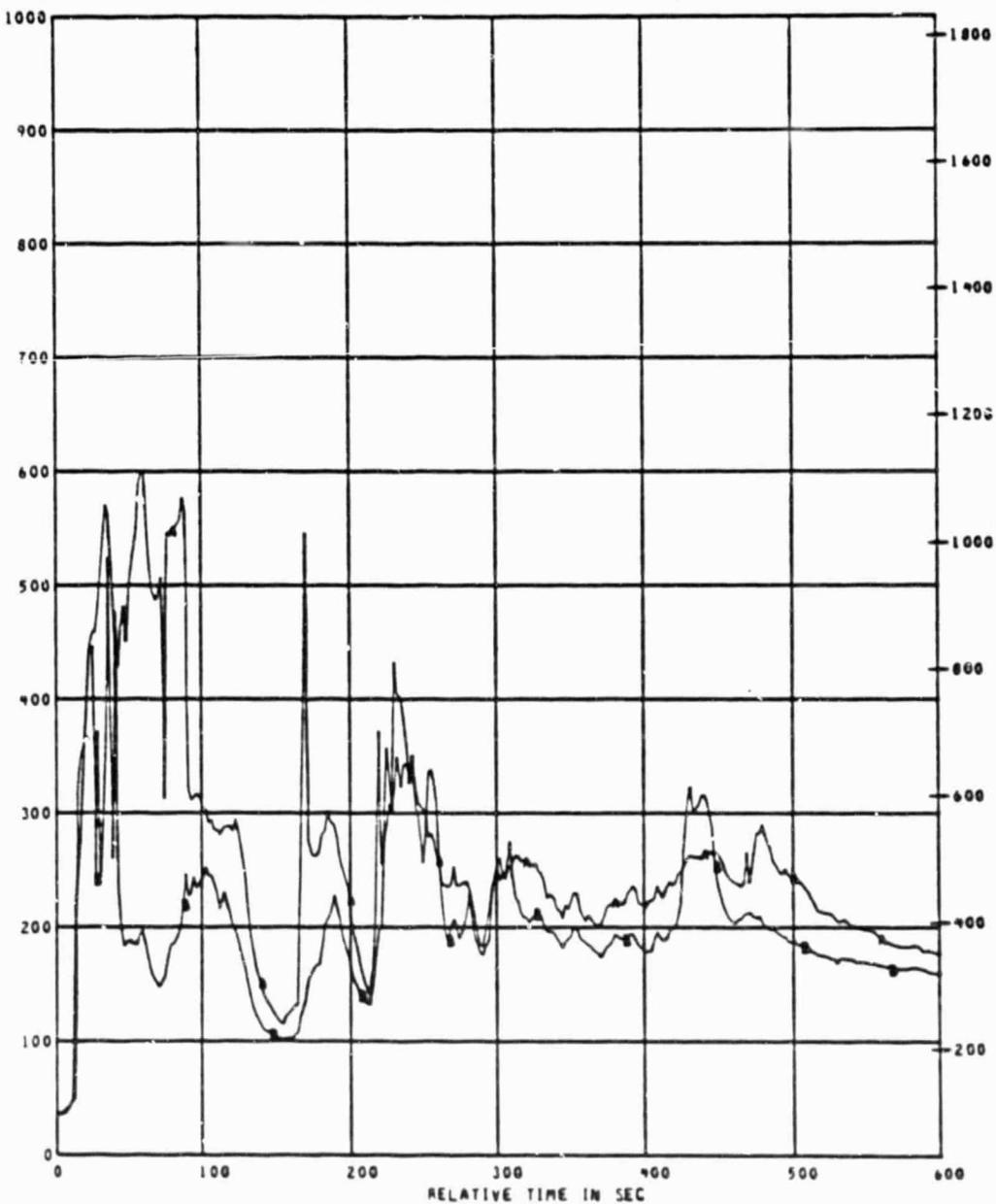
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NAS88

SEAT TST-GCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 10 08.000



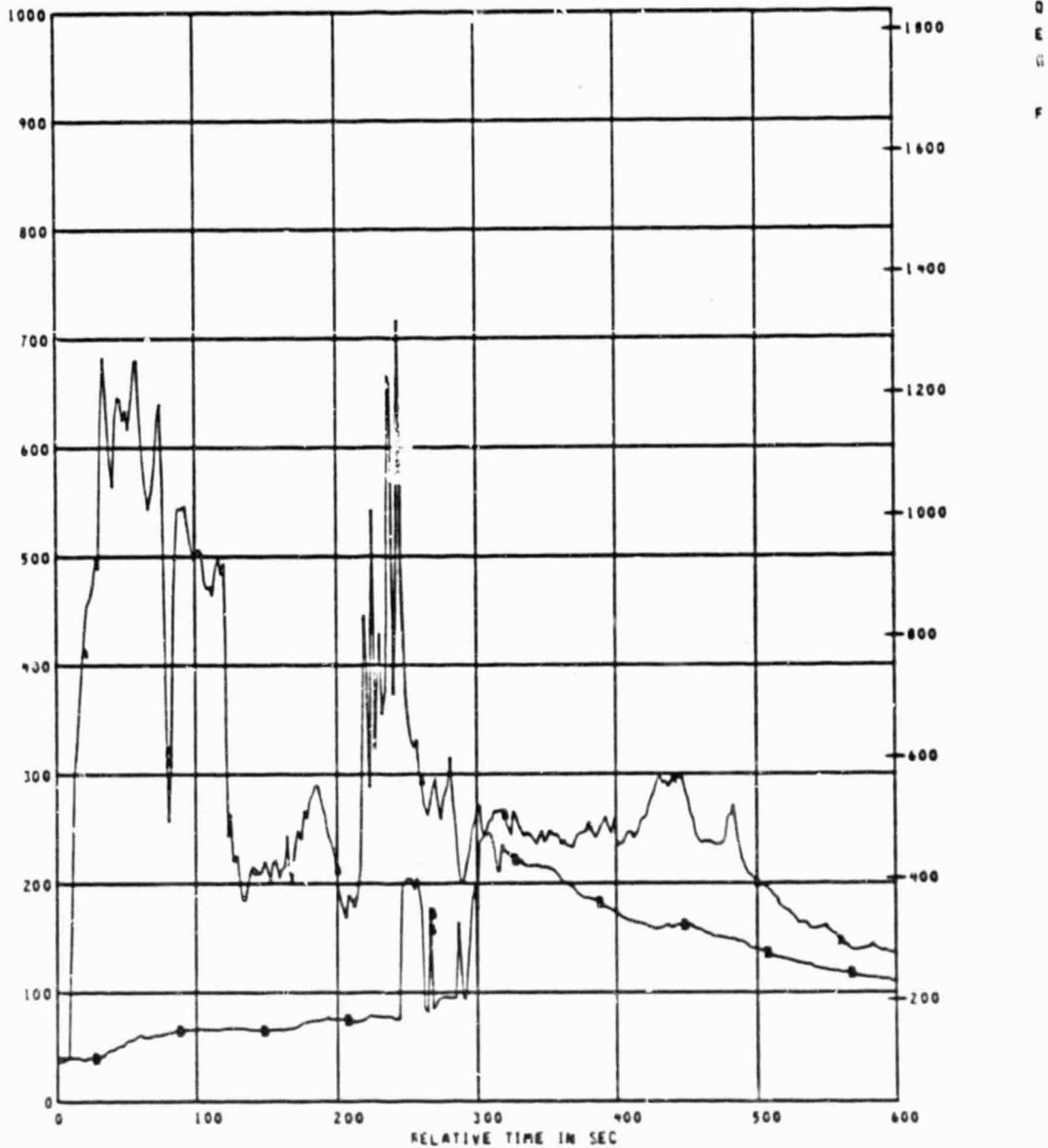
D  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS81

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 13 10 08.000

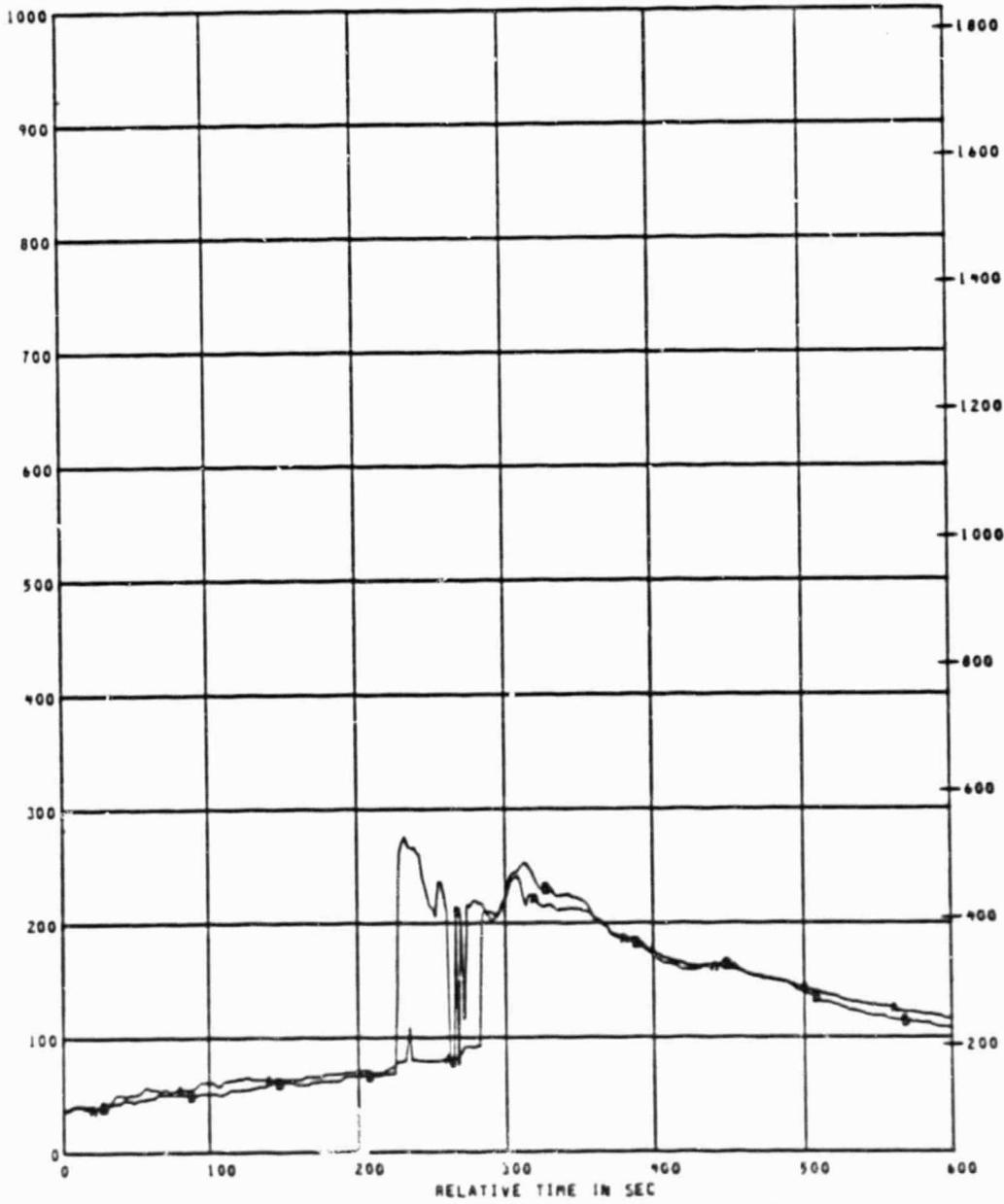


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
* TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 10 08.000



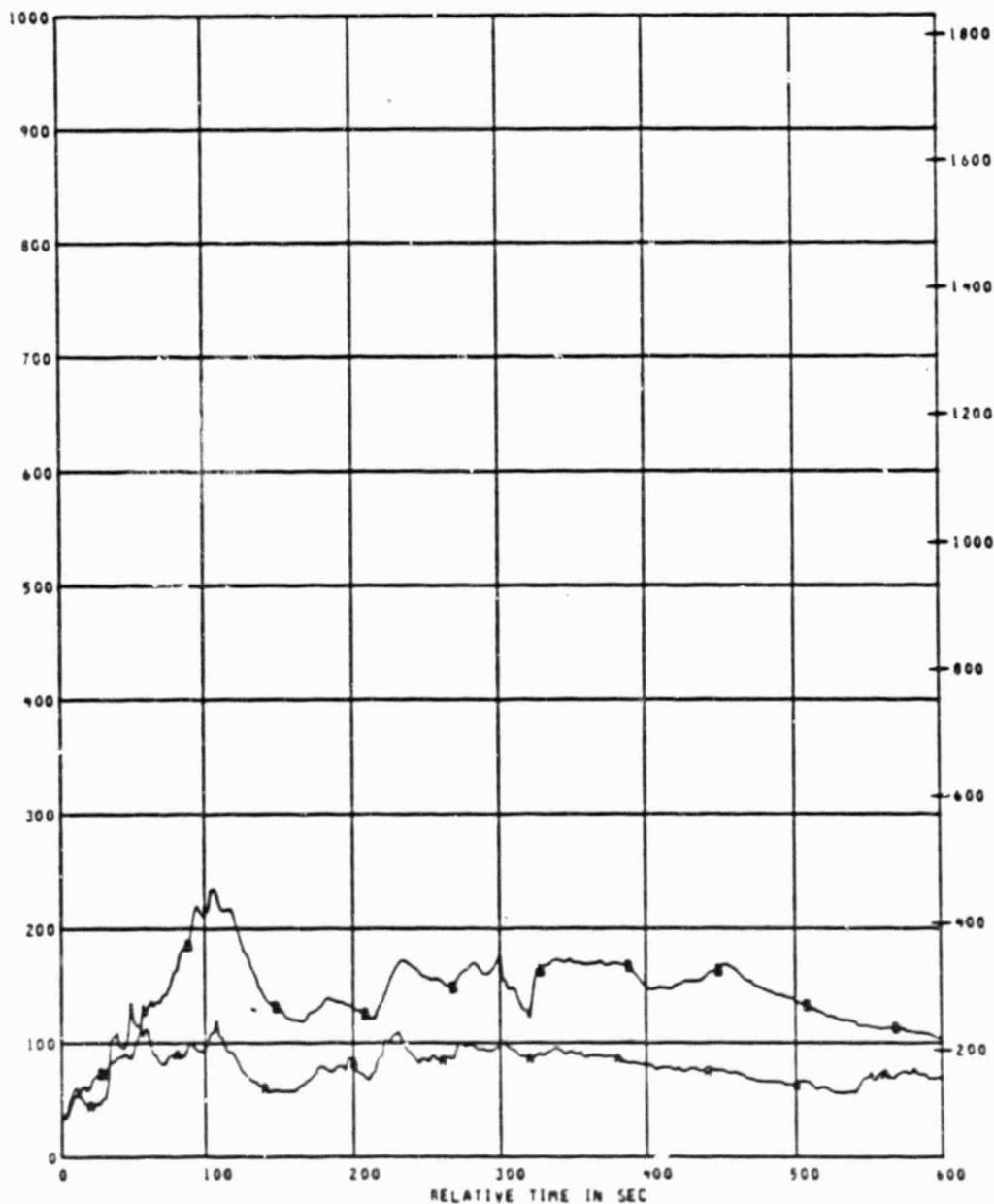
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MEAS. NUMBER	CHANNEL ASSN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1957 PLOT NO 13 - 1

REFERENCE TIME 13 10 08.000



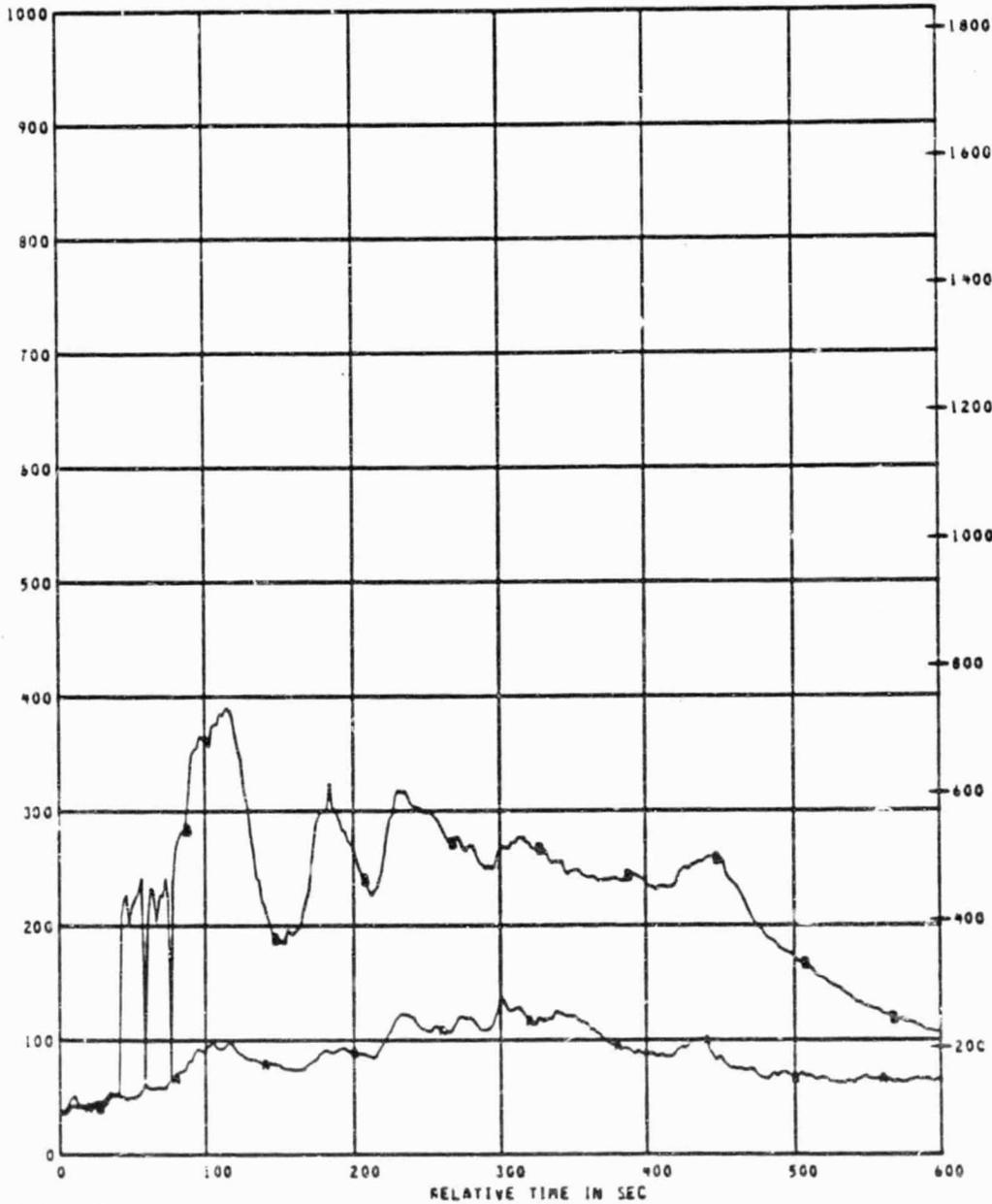
D  
E  
G  
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
* TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 13 10 08.000



D  
E  
G  
F

MEAS. NUMBER  
\$ TBC3  
\$ TBR1

CHANNEL ASGN.  
115  
116

TITLE  
TEMP-BACK CENTER TOP  
TEMP-BACK RIGHT BOTTOM

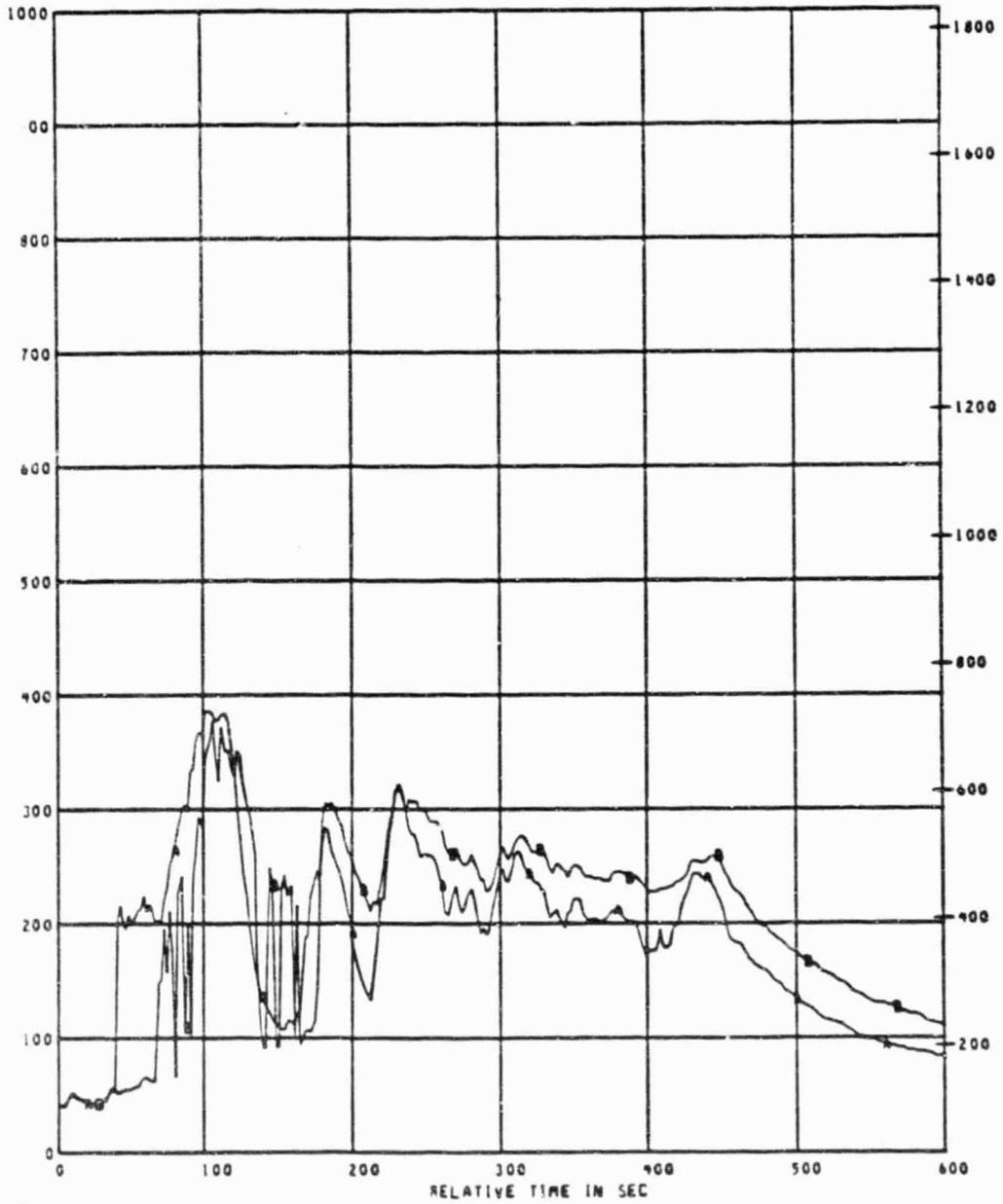
RANGE  
0 TO 1000  
0 TO 1600

UNITS GRID-SYM  
DEG C AA  
DEG C AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 13 10 08.000

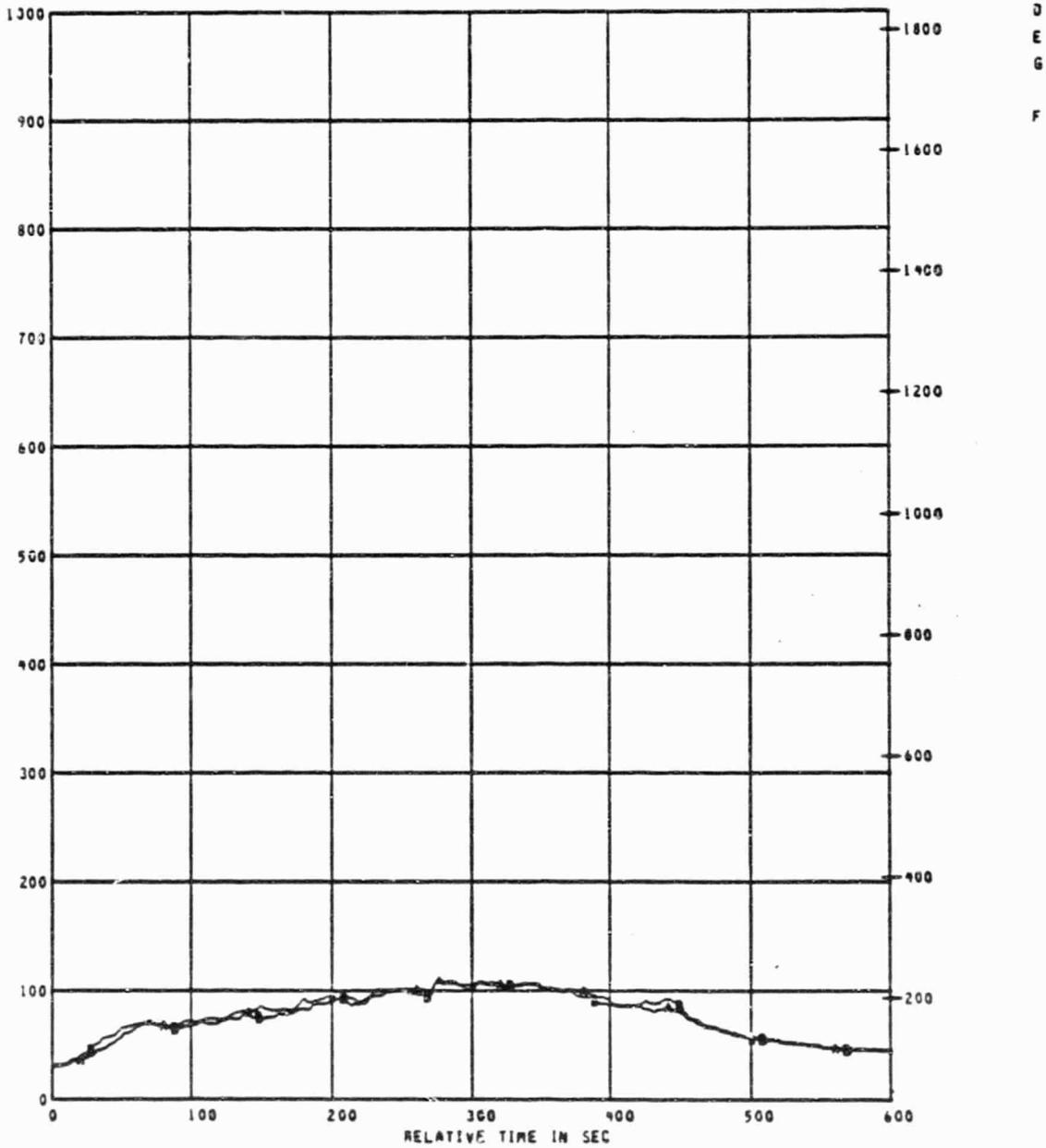


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
* TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS8B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 13 10 06 000

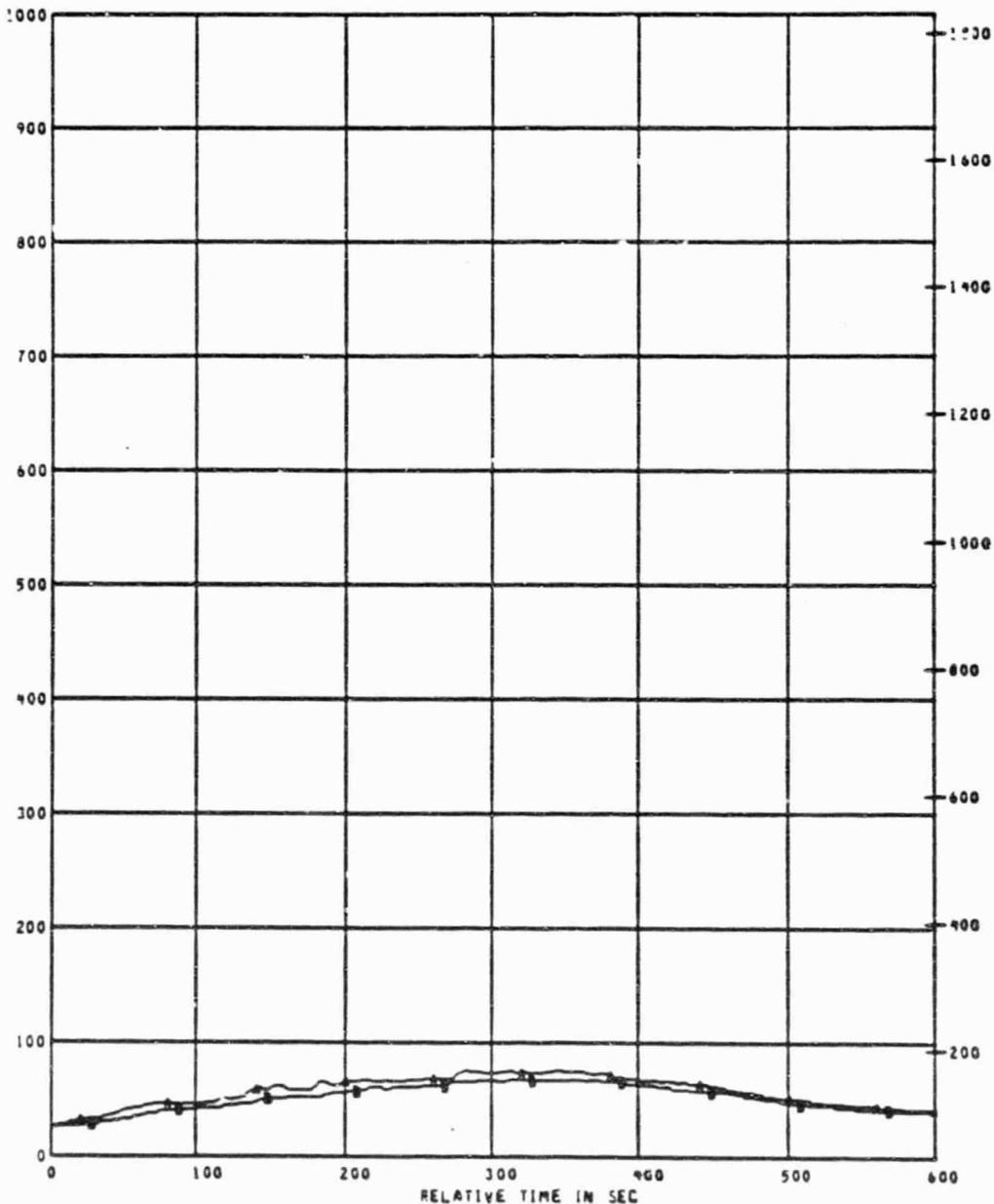


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
* TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 13 10 08.000

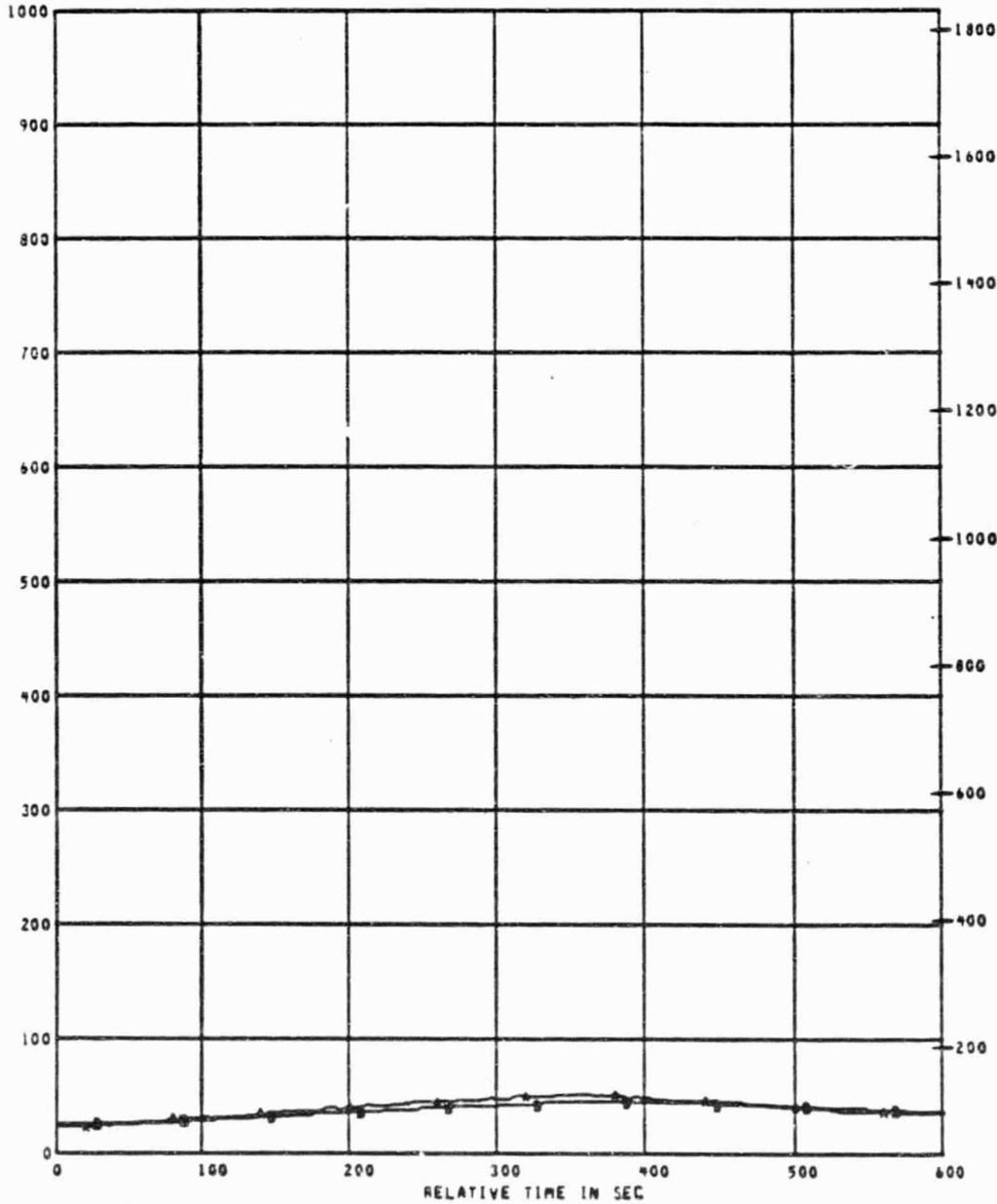


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
s TCM	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS8B

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 13 10 08.000

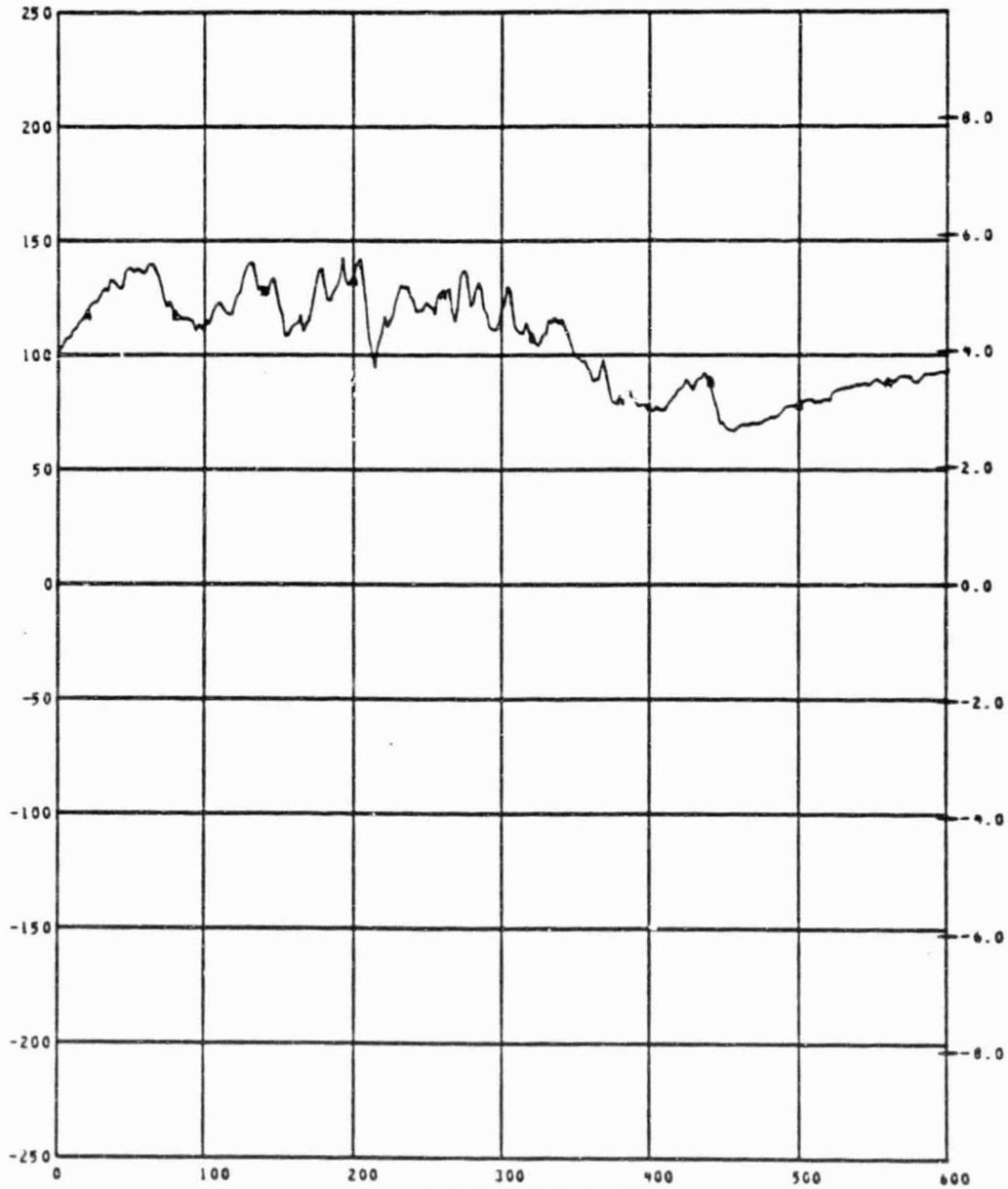


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
s TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 10 08.000



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MEAS. NUMBER  
4 DPC

CHANNEL ASGN.  
098

RELATIVE TIME IN SEC  
TITLE  
CABIN DELTA PRESSURE

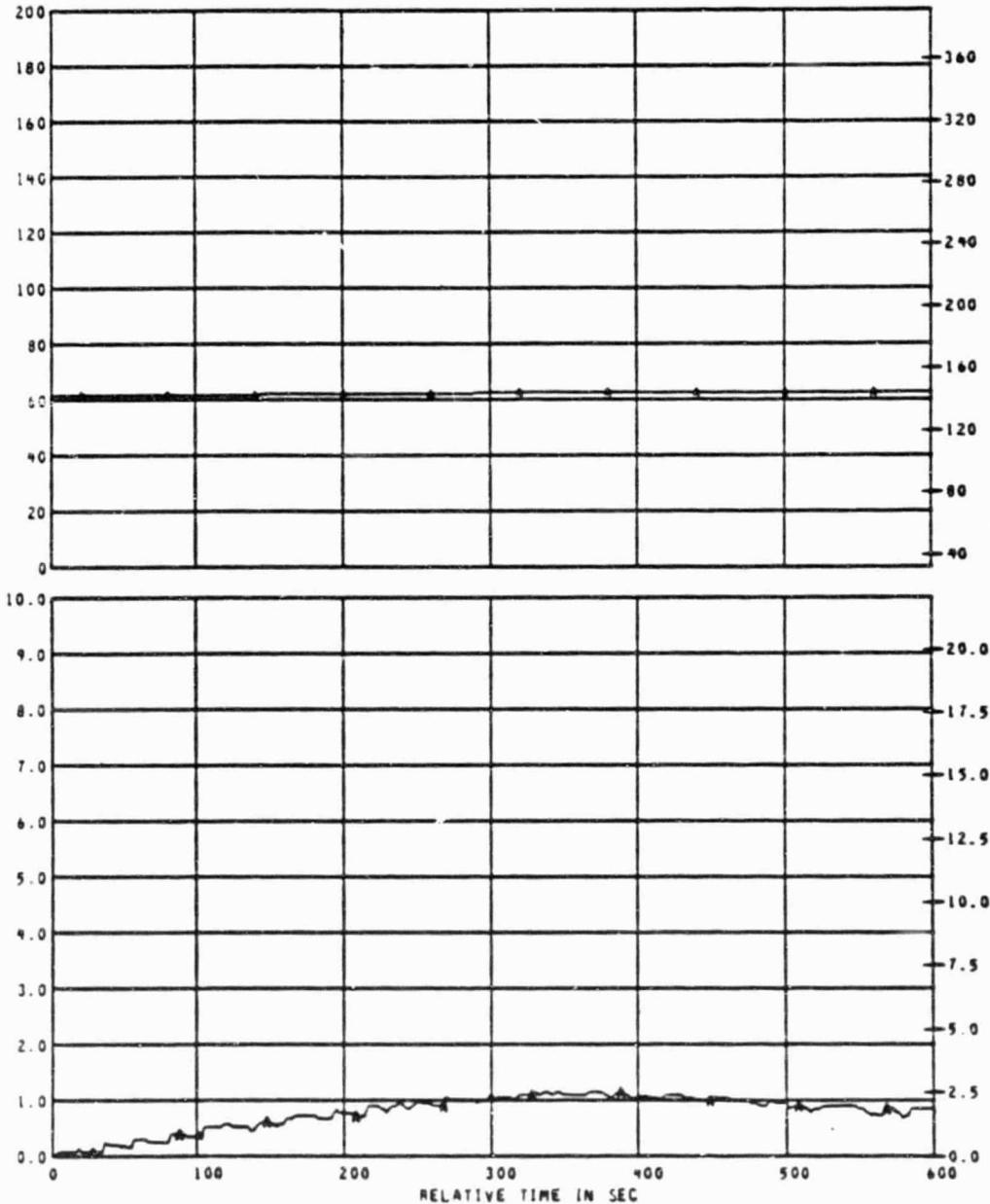
RANGE  
-250 TO 250

UNITS GRID-5YM  
MM H2O AA

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 13 10 08.000



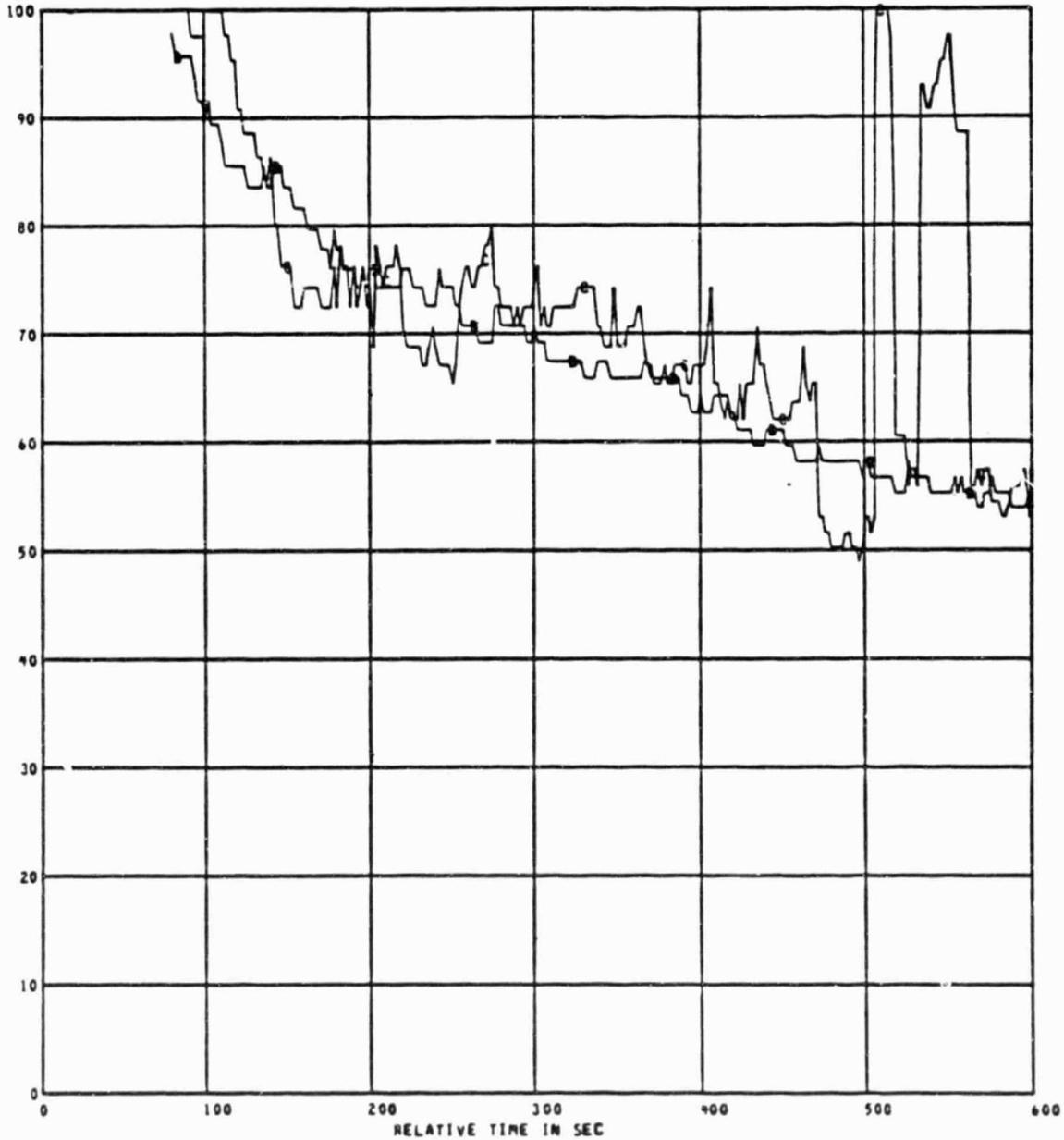
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
125	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
149	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

### 3.3 JET A FUEL DATA

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 15 40 15.000

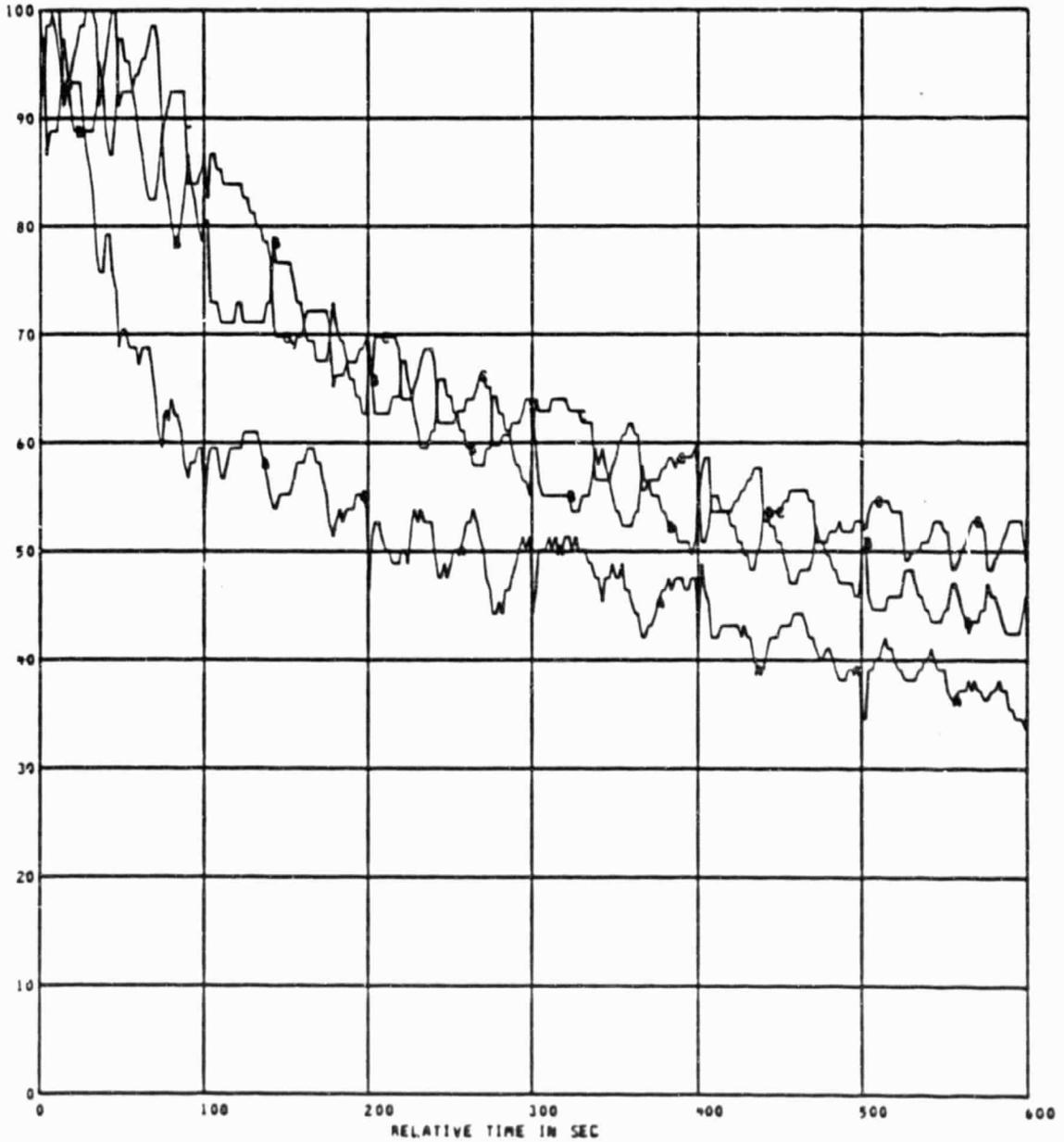


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 15 40 15.000

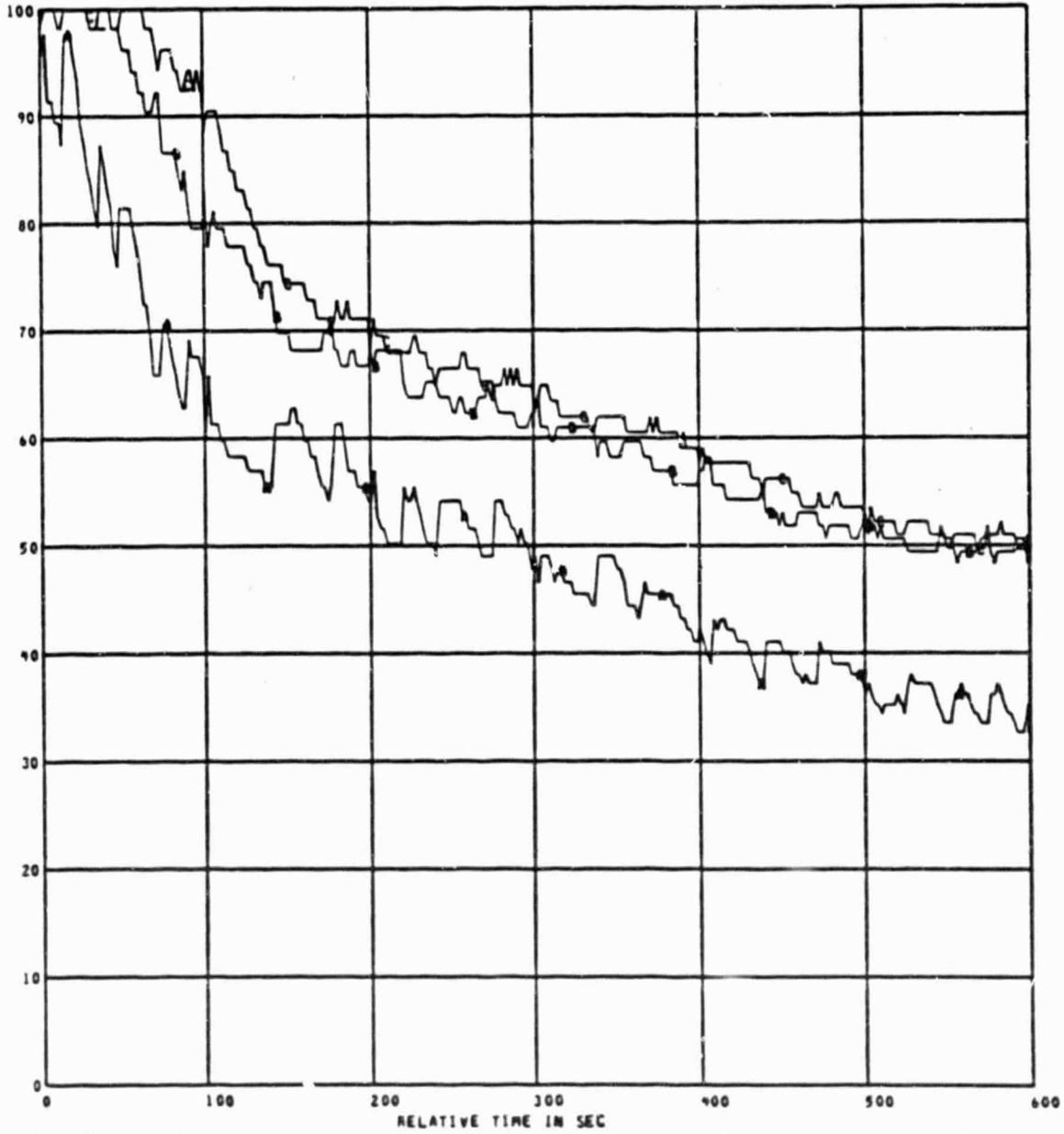


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 15 40 15.000

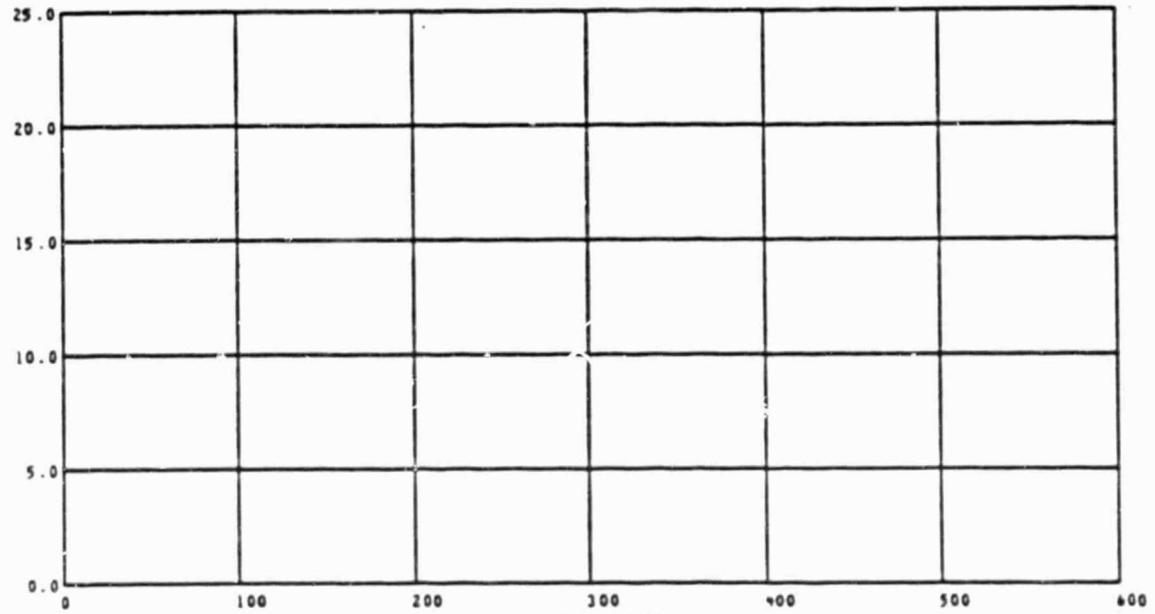
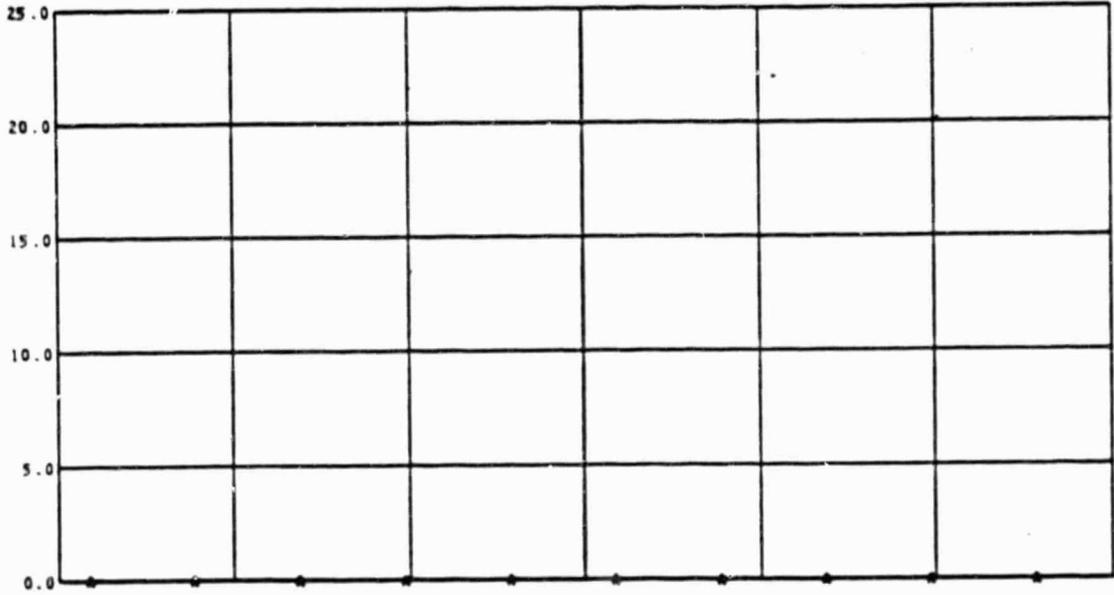


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 15 40 15.000

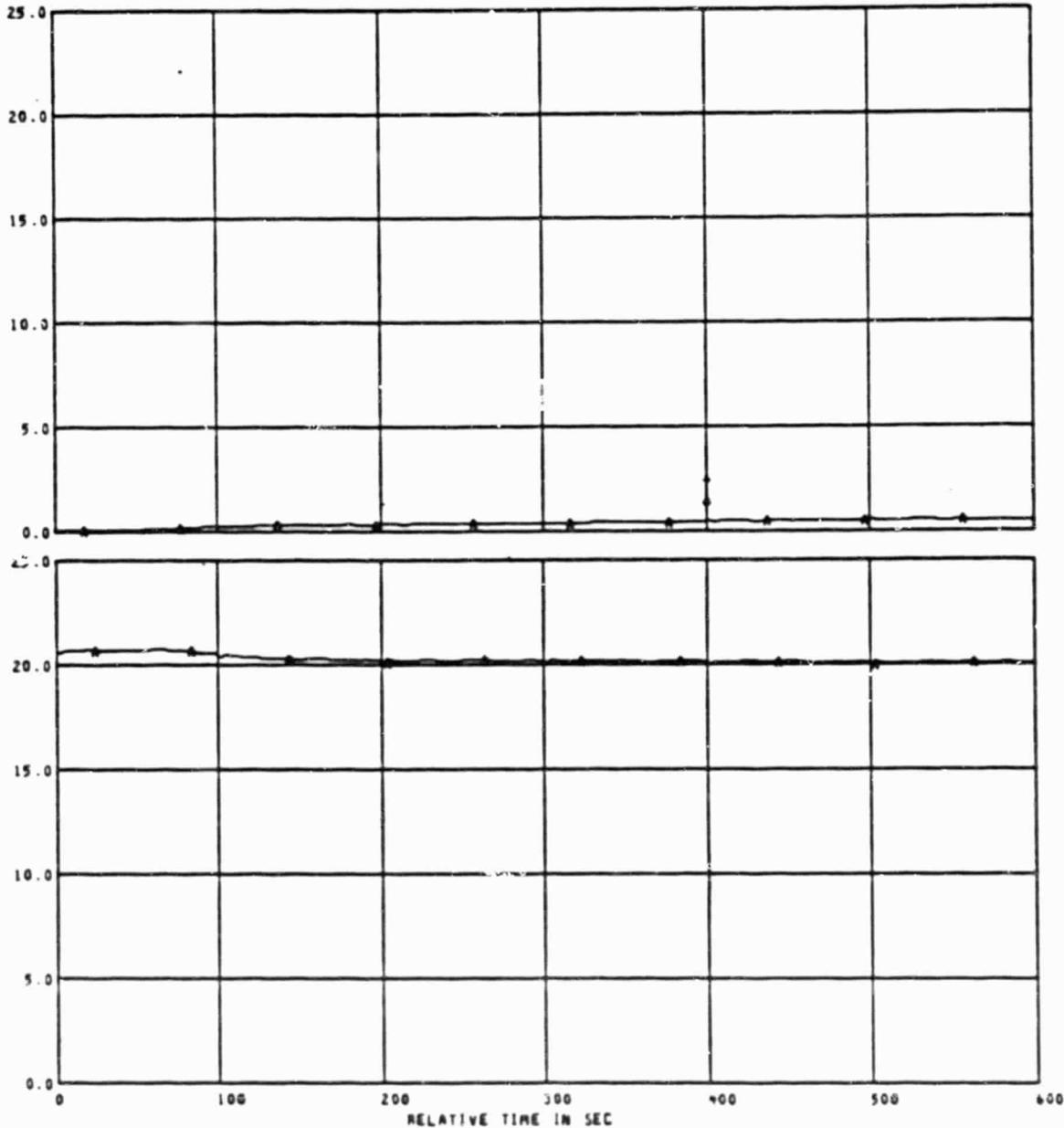


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHX1	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 15 40 15.000



MEAS. NUMBER  
CO2E  
O2E

CHANNEL ASGN.  
090  
094

TITLE  
CARBON DIOXIDE EXHAUST  
OXYGEN EXHAUST

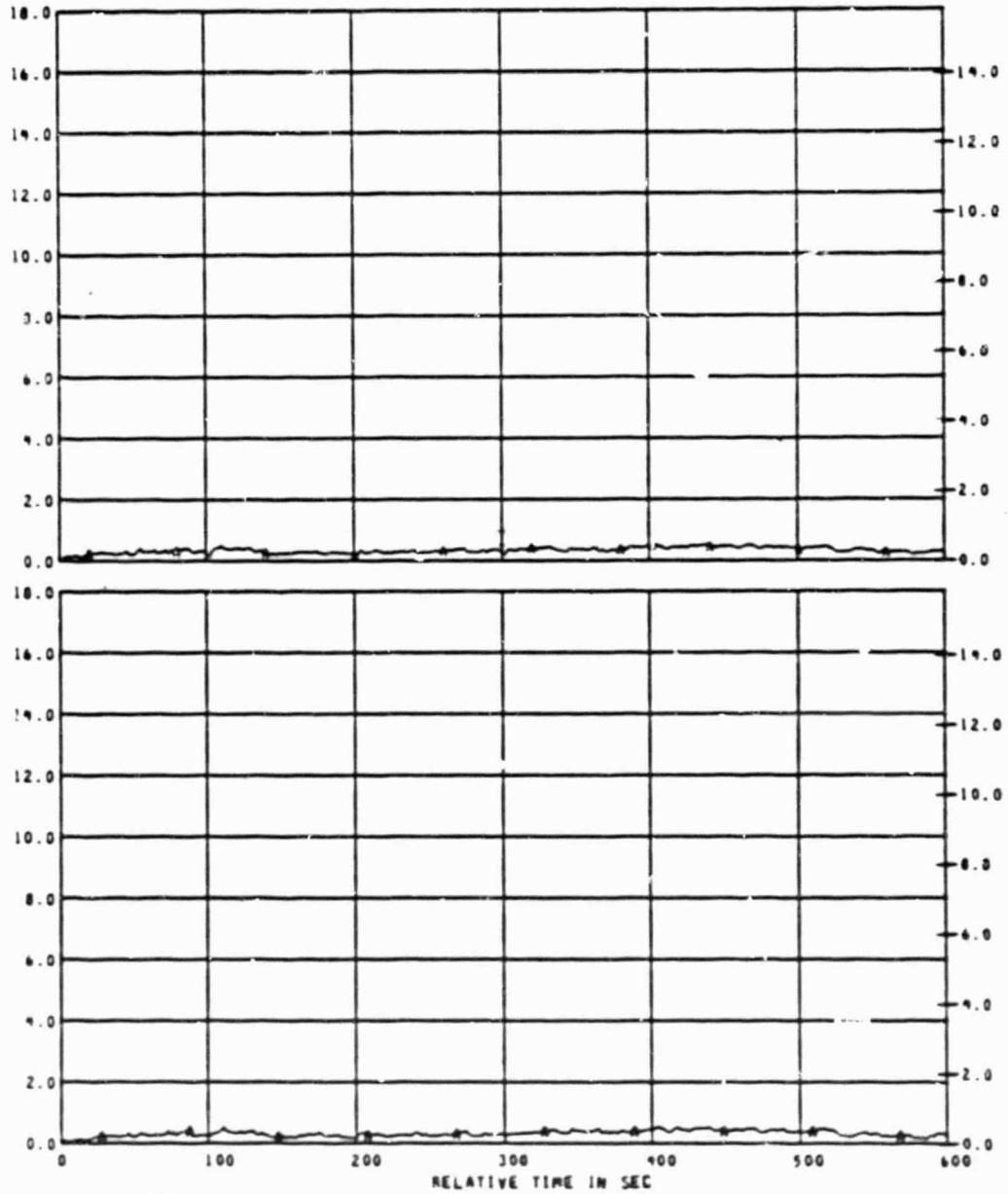
RANGE  
0.0 TO 25.0  
0.0 TO 25.0

UNITS GRID-SYM  
PCT AA  
PCT BA

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 15 40 15.000



B  
T  
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/  
F  
T  
Z

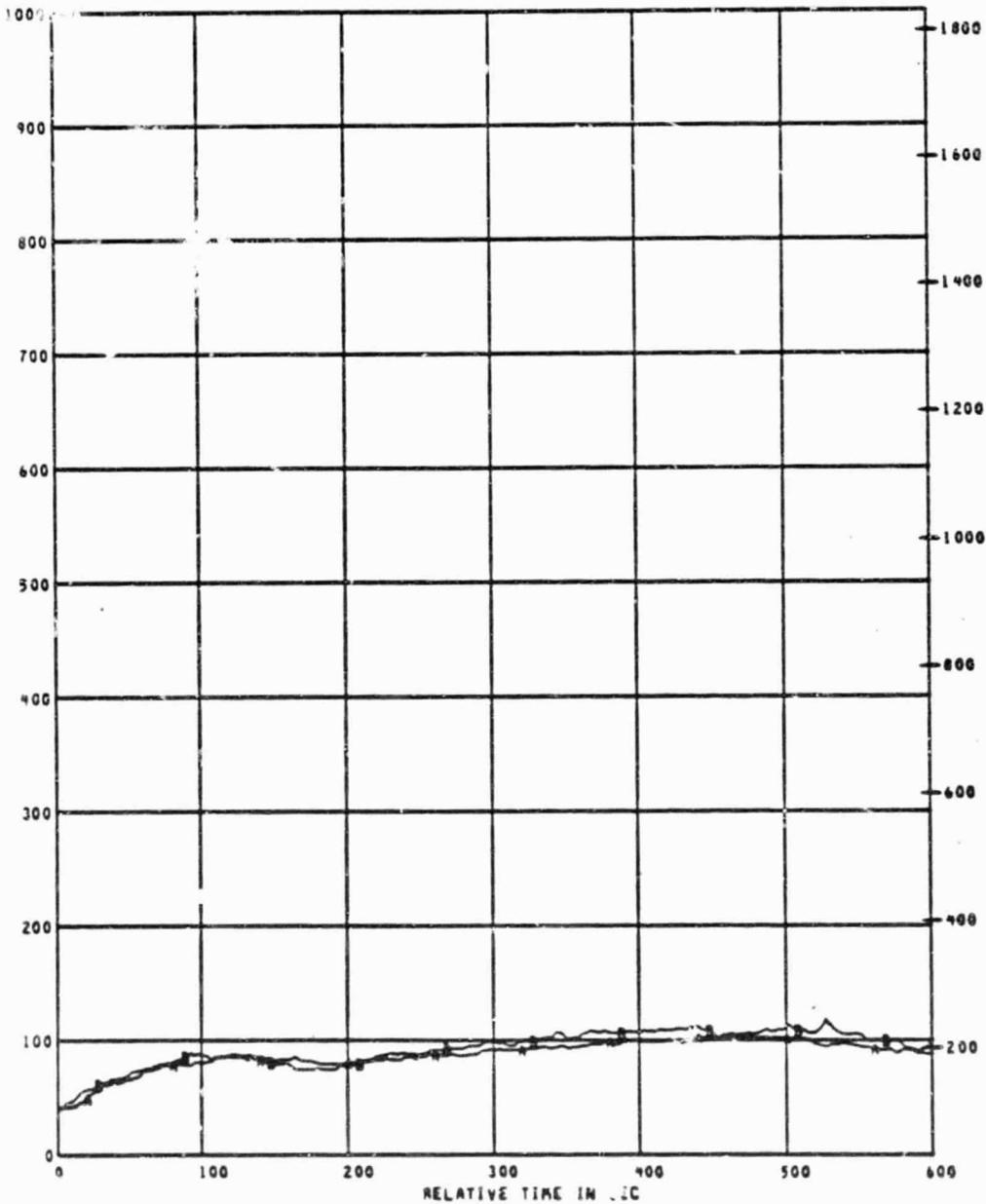
B  
T  
U  
/  
F  
T  
Z

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
5 CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 A3
6 CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 15 30 15.000



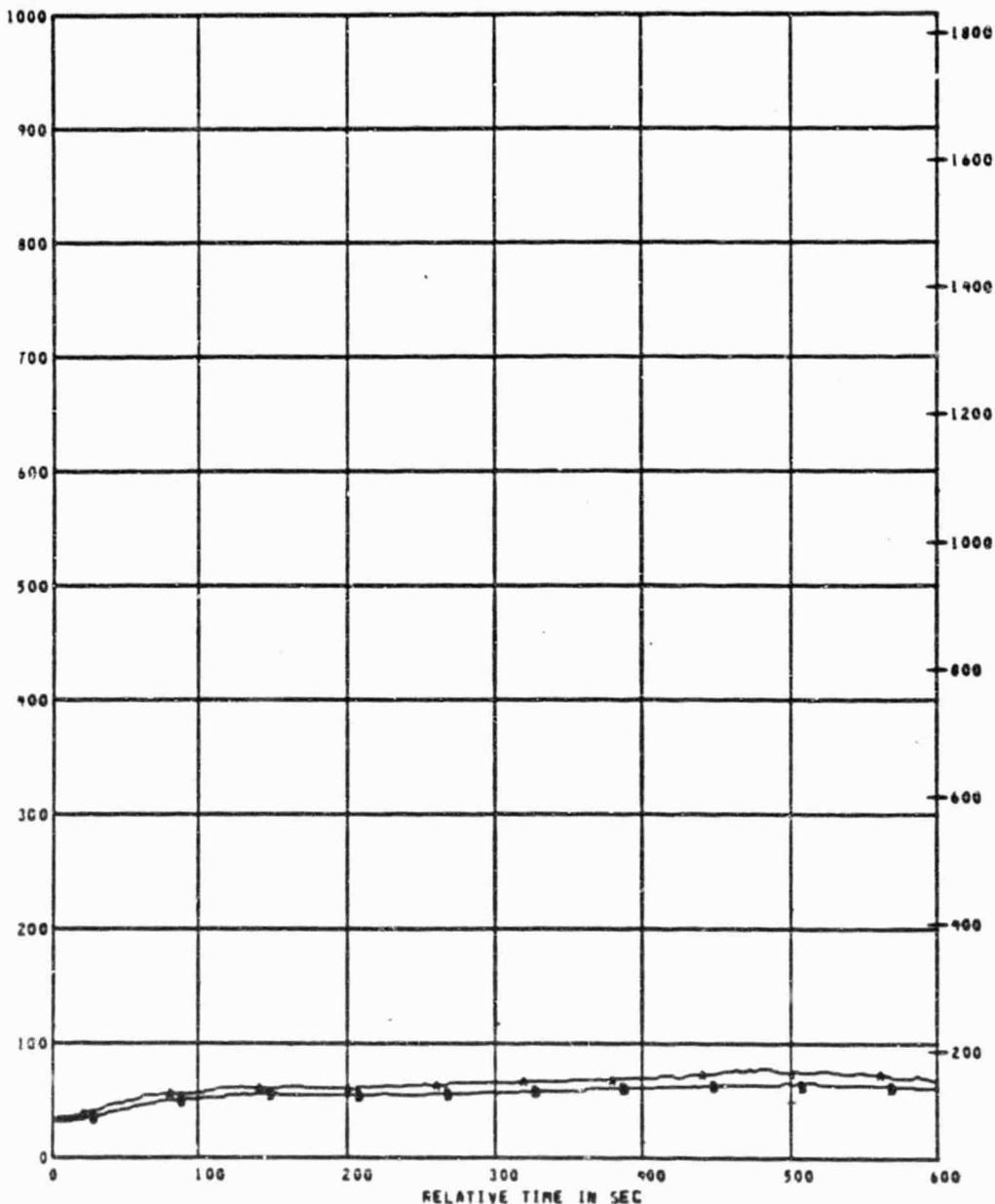
D  
E  
G  
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
1 TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
2 TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 15 40 15.000



MEAS. NUMBER  
 \* TCM  
 \* TCM

CHANNEL ASGN.  
 121  
 122

TITLE  
 TEMP-CEILING MIDDLE  
 TEMP-CEILING WEST

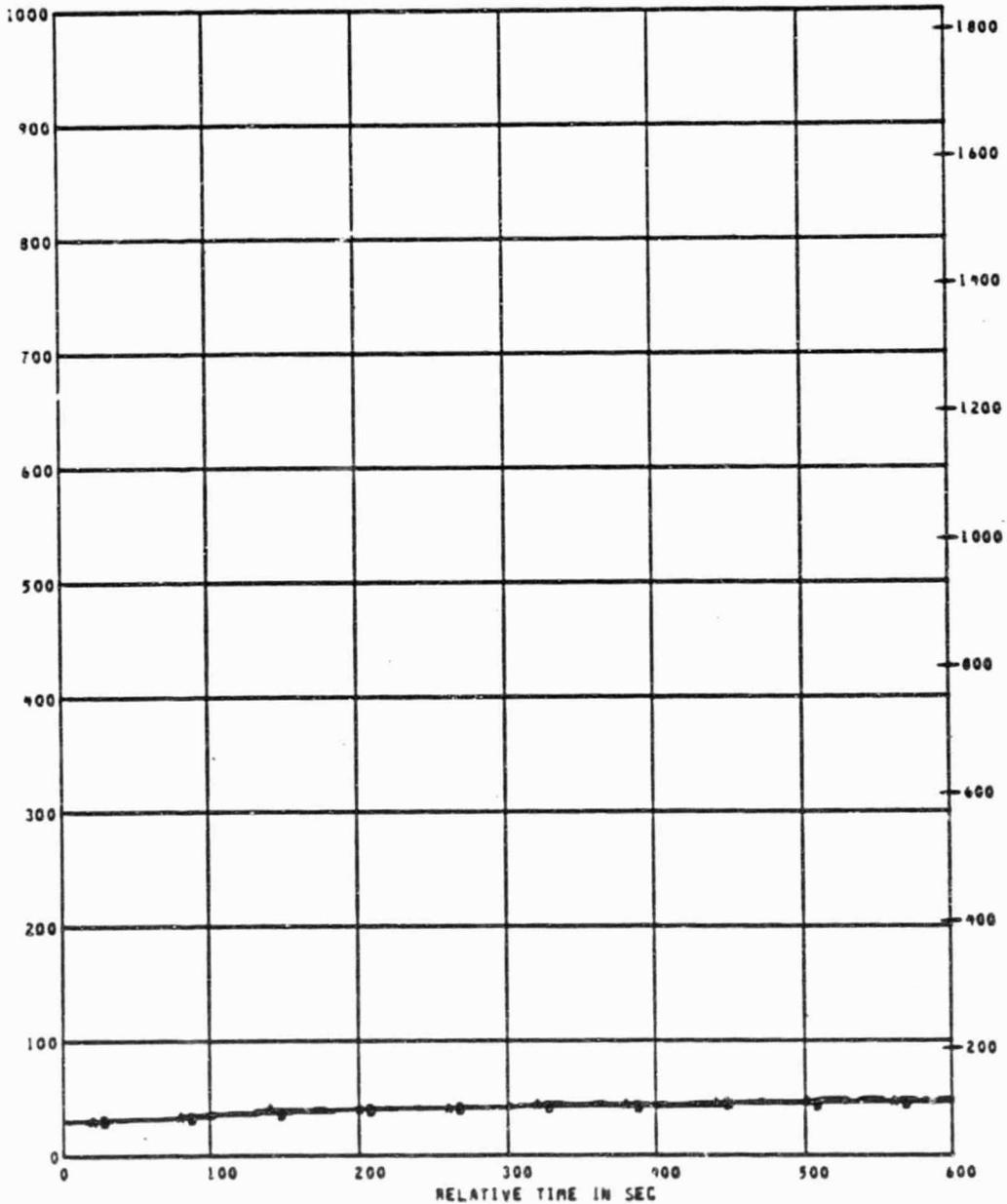
RANGE  
 0 TO 1000  
 0 TO 1000

UNITS GRID-SYM  
 DEG C AA  
 DEG C AB

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 15 40 15.000



D  
E  
G  
F

MEAS. NUMBER  
s TRC  
s TAD

CHANNEL ASGN.  
123  
124

TITLE  
TEMP-ANIMAL CAGE  
TEMP-AIR OUT

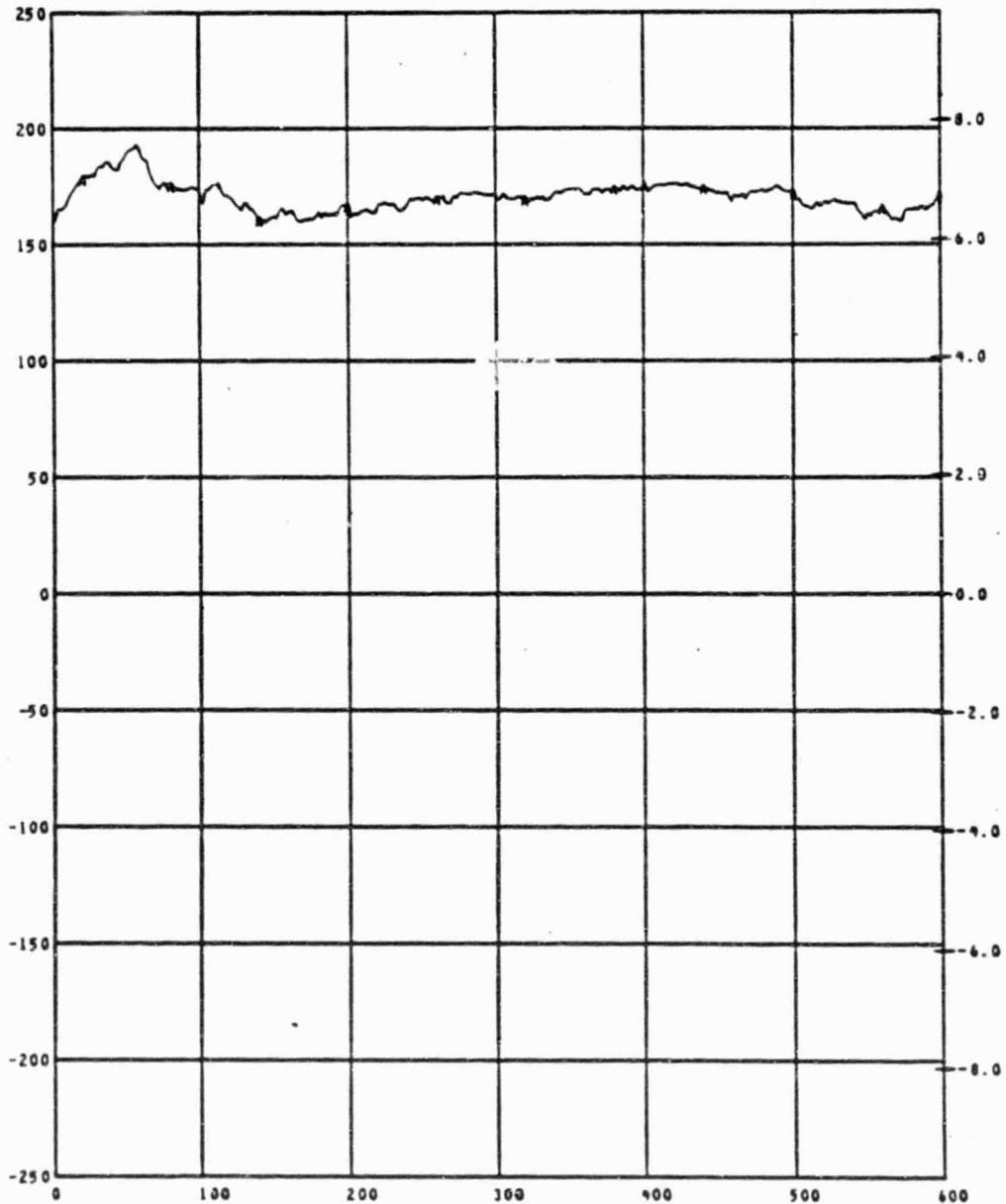
RANGE  
0 TO 1000  
0 TO 1000

UNITS GRID-XYM  
DEG C AA  
DEG C AB

TEST ID MASC

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 15 40 15.000



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N  
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MEAS. NUMBER  
5 DPC

CHANNEL ASGN.  
098

RELATIVE TIME IN SEC  
TITLE  
CABIN DELTA PRESSURE

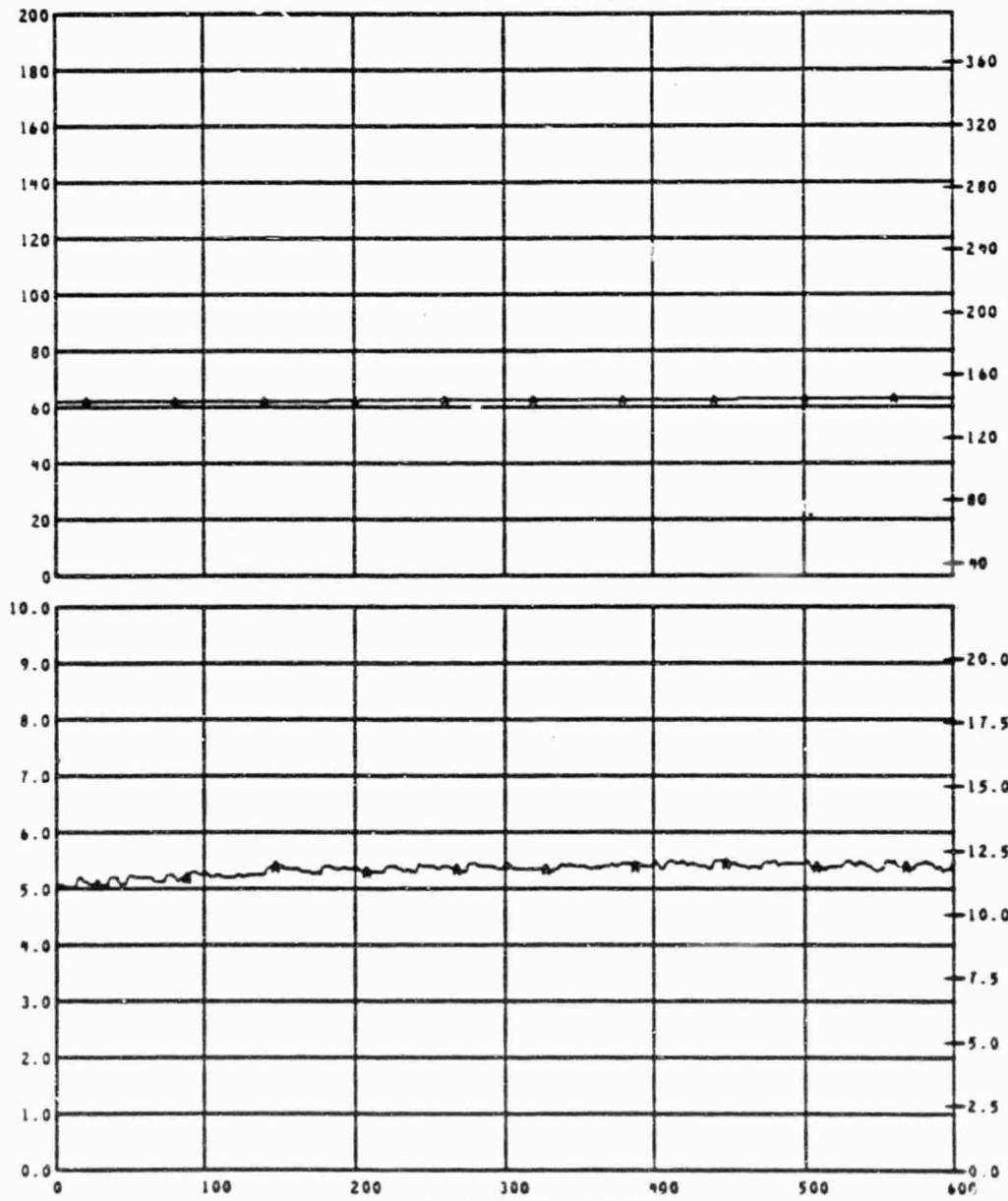
RANGE  
-250 TO 250

UNITS GRID-SYM  
MM H2O AA

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 15 40 15.000



D  
E  
G  
F  
  
L  
B  
S

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
5 TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
5 ML	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA