

NASA Contractor Report

Volume 2

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

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Johnson Space Center
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16. Abstract This report describes the work done by Douglas Aircraft Company under contract to the National Aeronautic and Space Agency, Johnson Space Center (NASA JSC) to determine the burn characteristics of presently used and proposed seat cushion materials and types of constructions. The tests were conducted under Contract NAS9-16062 in the Douglas Cabin Fire Simulator (CFS) at the Space Simulation Laboratory, Huntington Beach, California. Eight different seat cushion configurations were subjected to full-scale burn tests. Each cushion configuration was tested twice for a total of sixteen tests. Two different fire sources were used. They consisted of one liter of Jet A fuel for eight tests and a radiant energy source with propane flame for eight tests. Both fire sources were ignited by a propane flame. During each test, data were recorded for smoke density, cushion temperatures, radiant heat flux, animal response to combustion products, rate of weight loss of test specimens, cabin temperature, and for the type and content of gas within the cabin atmosphere. When compared to existing passenger aircraft seat cushions, the test specimens incorporating a fire barrier and those fabricated from advanced materials, using improved construction methods, exhibited significantly greater fire resistance. Flammability tests were performed by NASA-JSC in their JSC 737 fuselage. Their comparison tests were conducted upon one fire blocking configuration and one polyimide configuration. Results of these tests were similar to those obtained by Douglas Aircraft Company and are included in this report.			
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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.

CONTENTS

Section		Page
1	INTRODUCTION	1
2	SYMBOLS AND ABBREVIATIONS	3
3	TEST DATA	5
3.1	Cushion Data, Radiant Panel Tests.....	10
3.2	Cushion Data, Fuel Pan Tests	163
3.3	Jet-A Fuel Data	325

ILLUSTRATIONS

Figure		Page
1	CFS Instrumentation	6
2	Cushion Thermocouples Location and Identification.....	7
3	Gas Instrumentation.....	8

TABLE

Table		Page
1	Seat Design Test Configuration	9

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

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

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.

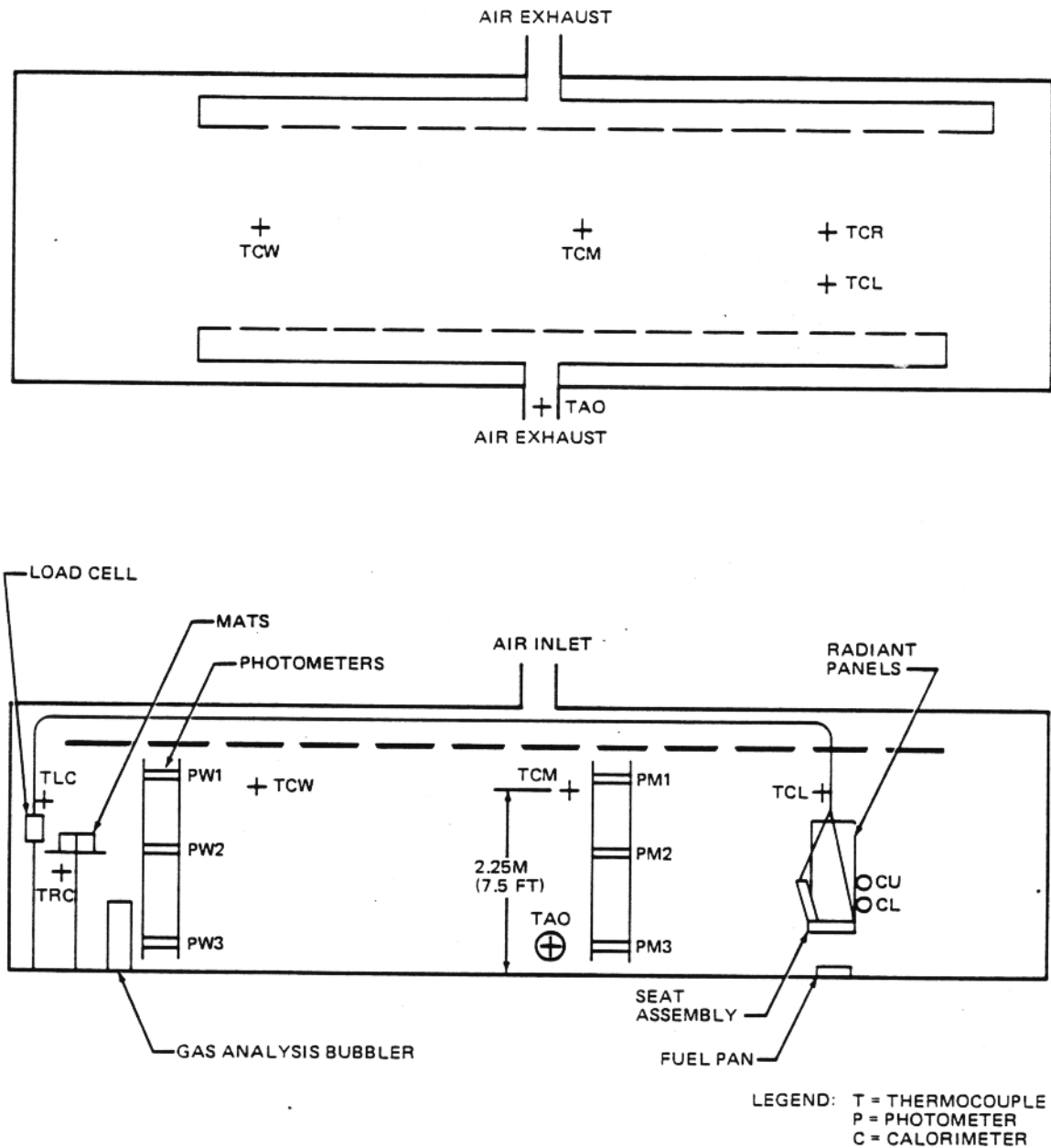


FIGURE 1. CFS INSTRUMENTATION

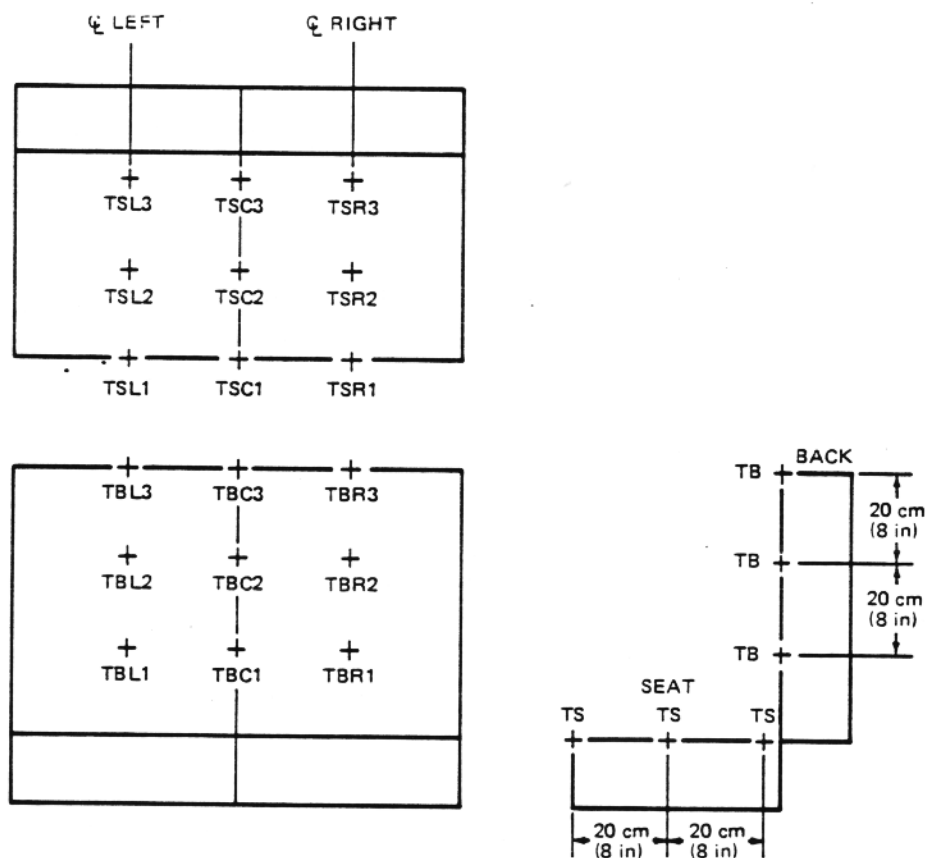


FIGURE 2. CUSHION THERMOCOUPLES
(LOCATION AND IDENTIFICATION)

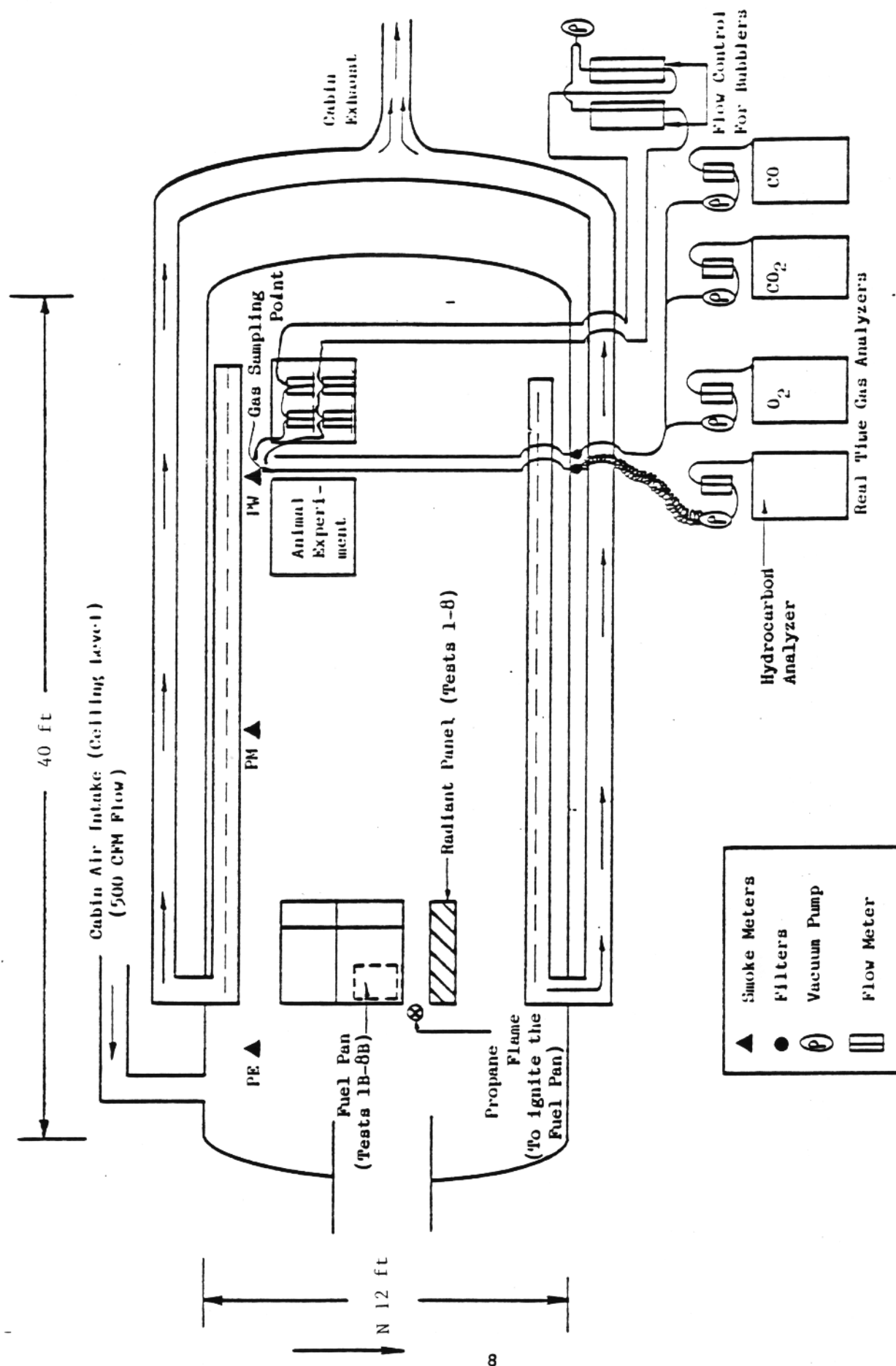


FIGURE 3. GAS INSTRUMENTATION

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

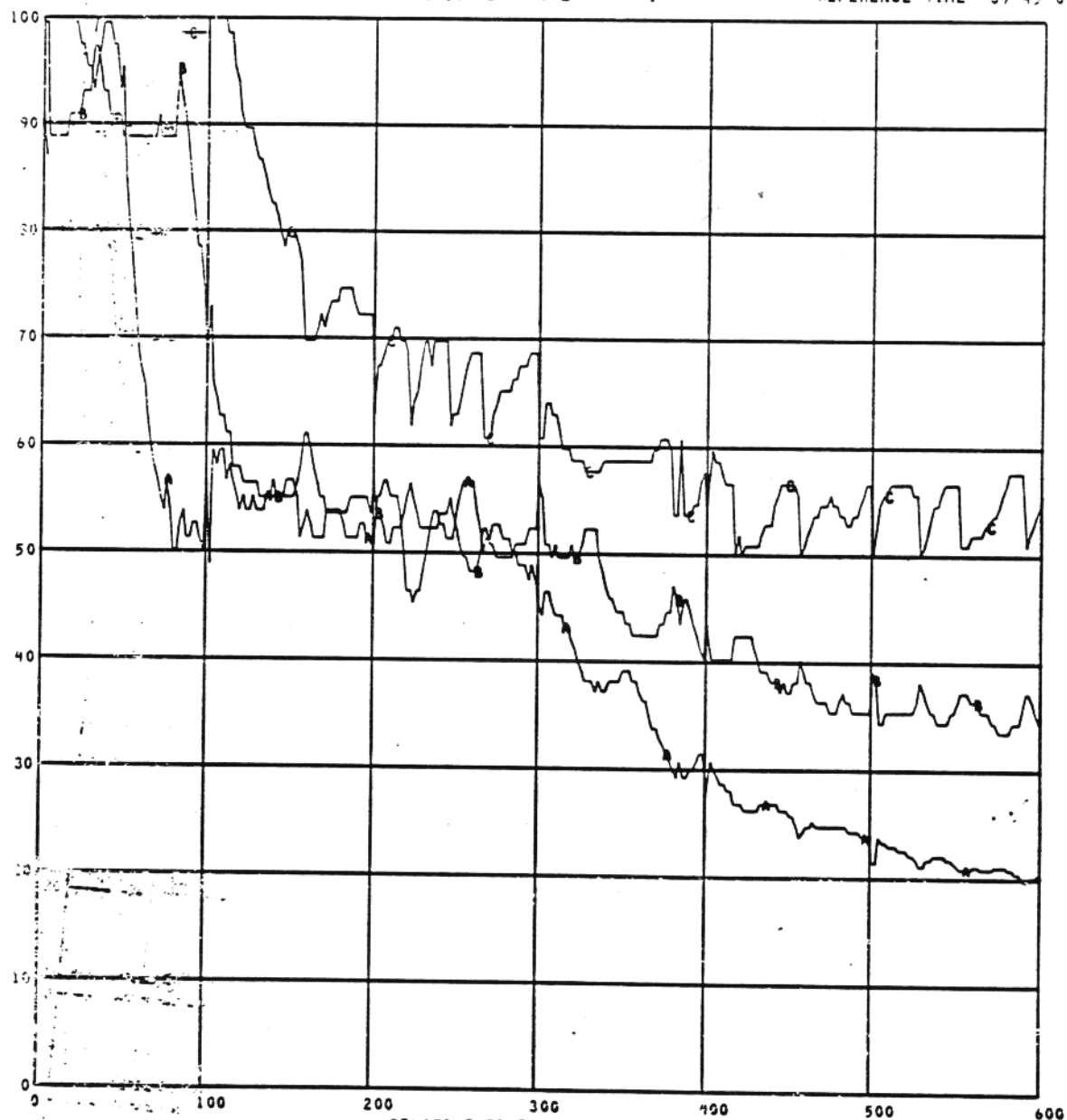
3.1 CUSHION DATA, RADIANT PANEL TESTS

		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 PLOT NO 2 - 1

REFERENCE TIME 09 45 01.000

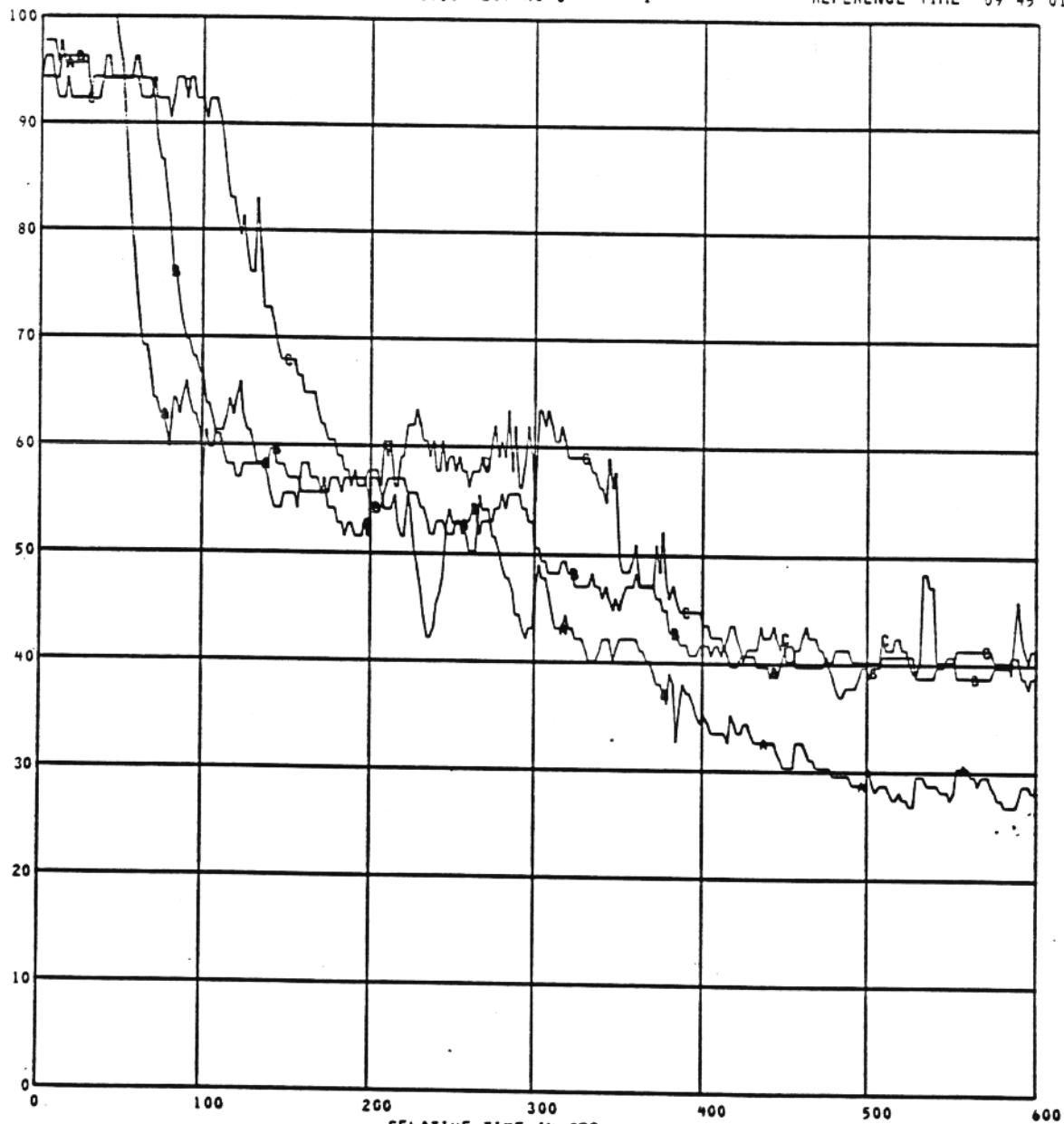


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 09 45 01.000



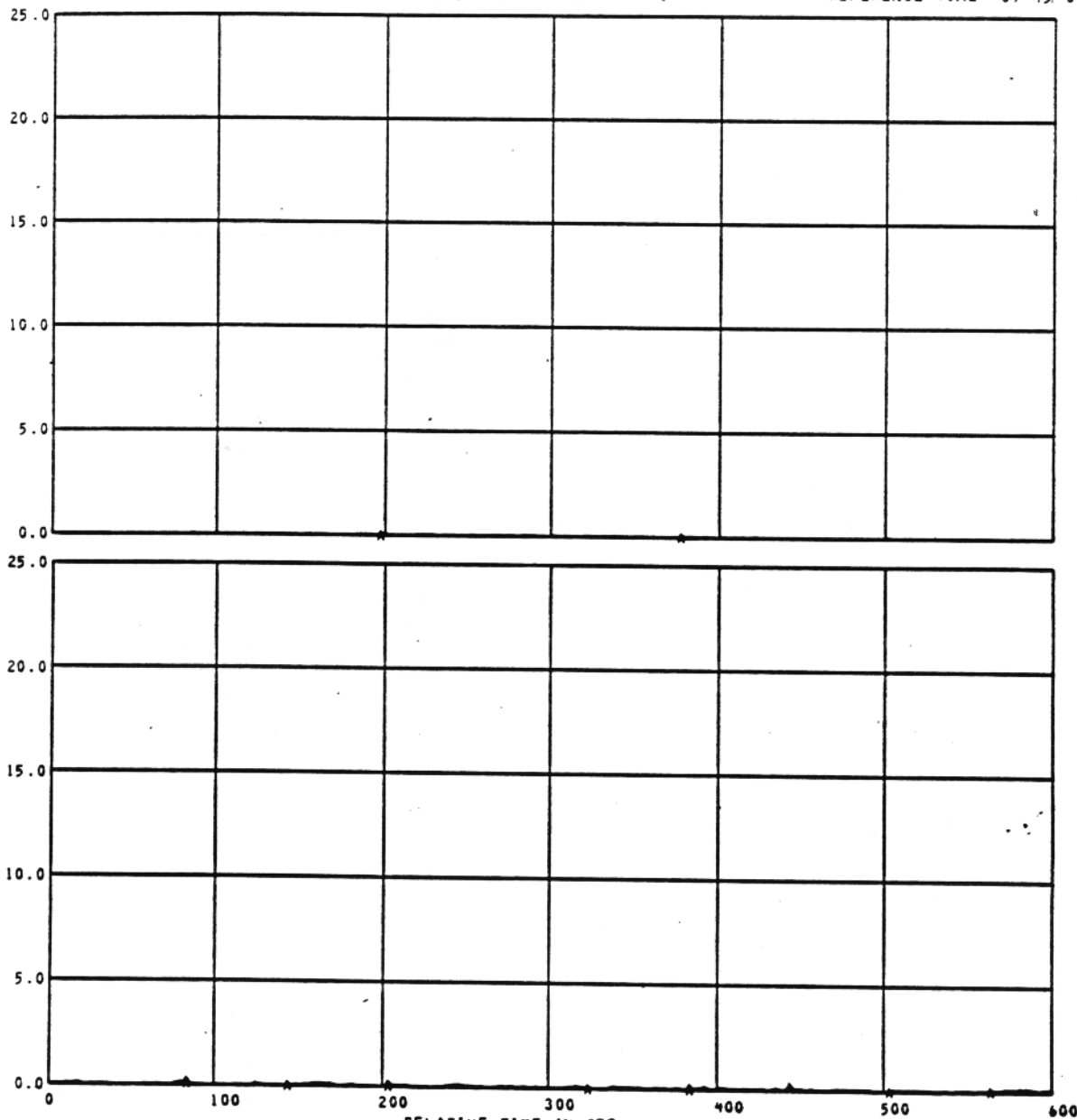
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PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID: NASA1

SEAT TST-OCT 1980 PLOT NO 4

- 1

REFERENCE TIME 09 45. 01.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

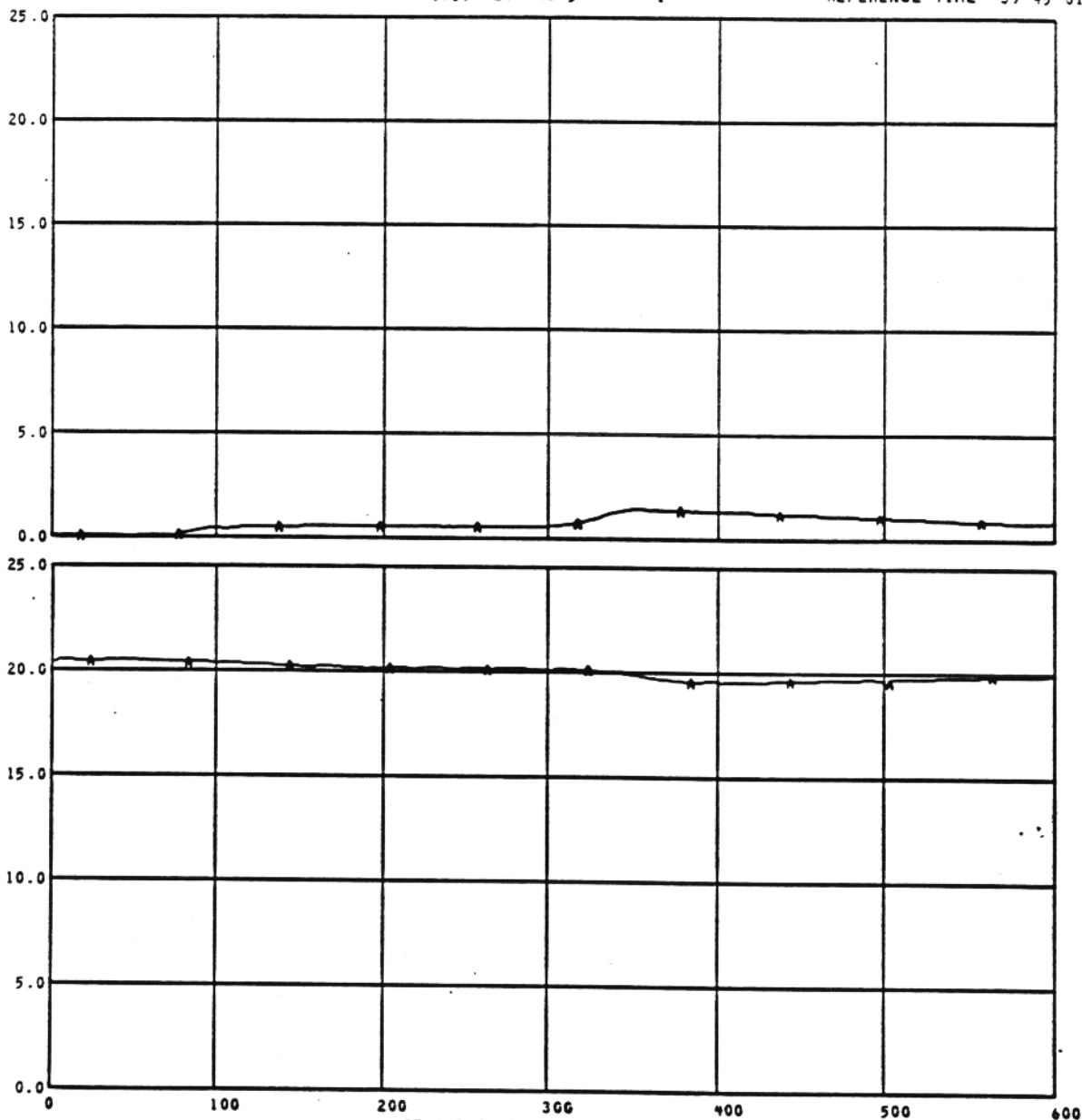
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0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 59 45 01.000



MEAS. NUMBER
CO2E
O2E

CHANNEL ASGN.
090
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

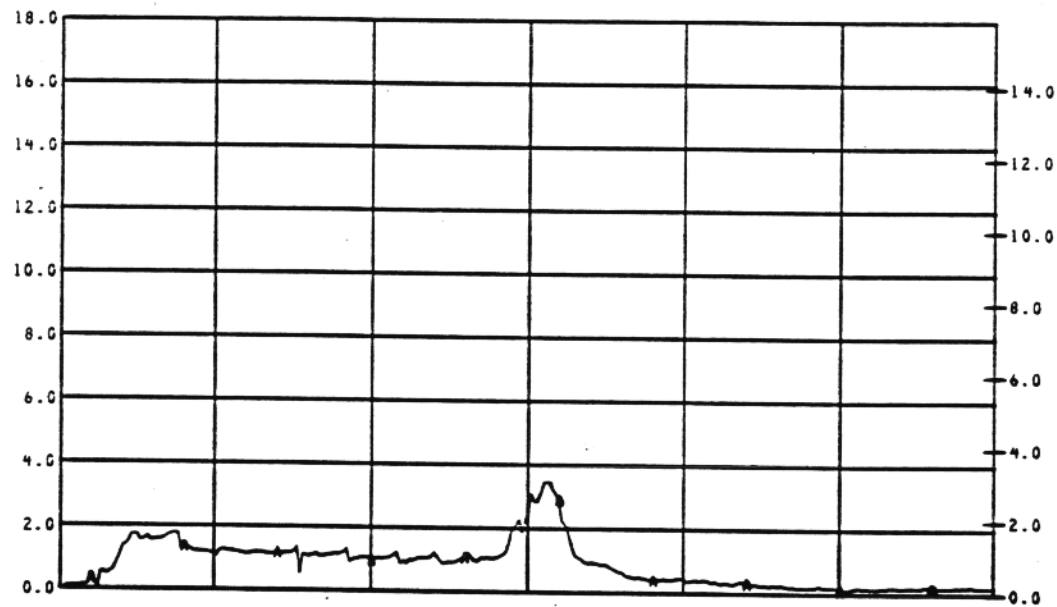
RANGE
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0.0 TO 25.0

UNITS GRID-SYM
FCT AA
FCT BA

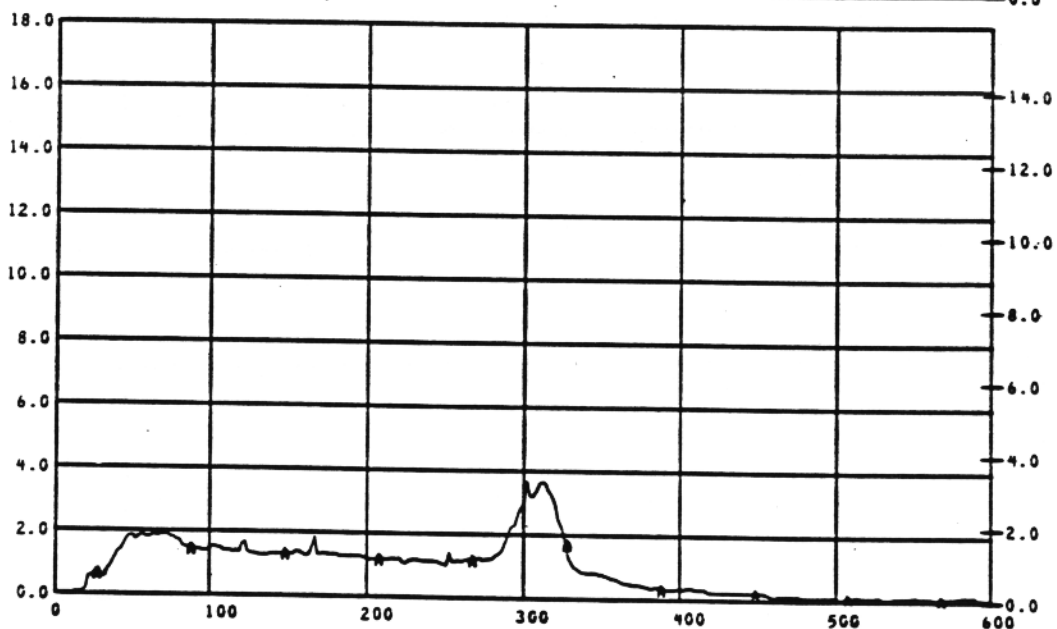
TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 09 45 01.000



B
T
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T
2



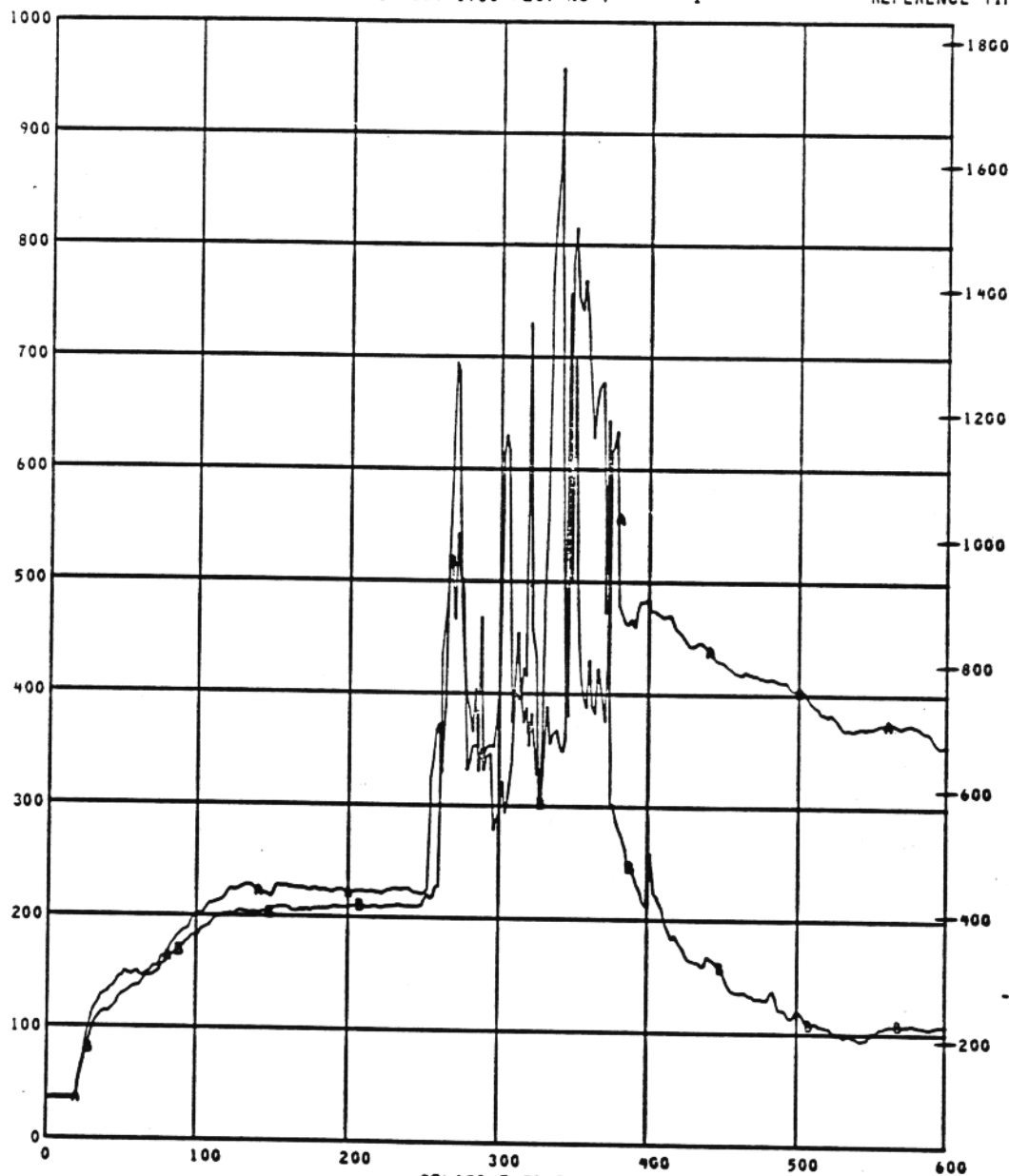
B
T
U
/
F
T
2

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 TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSL1	101
\$ TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

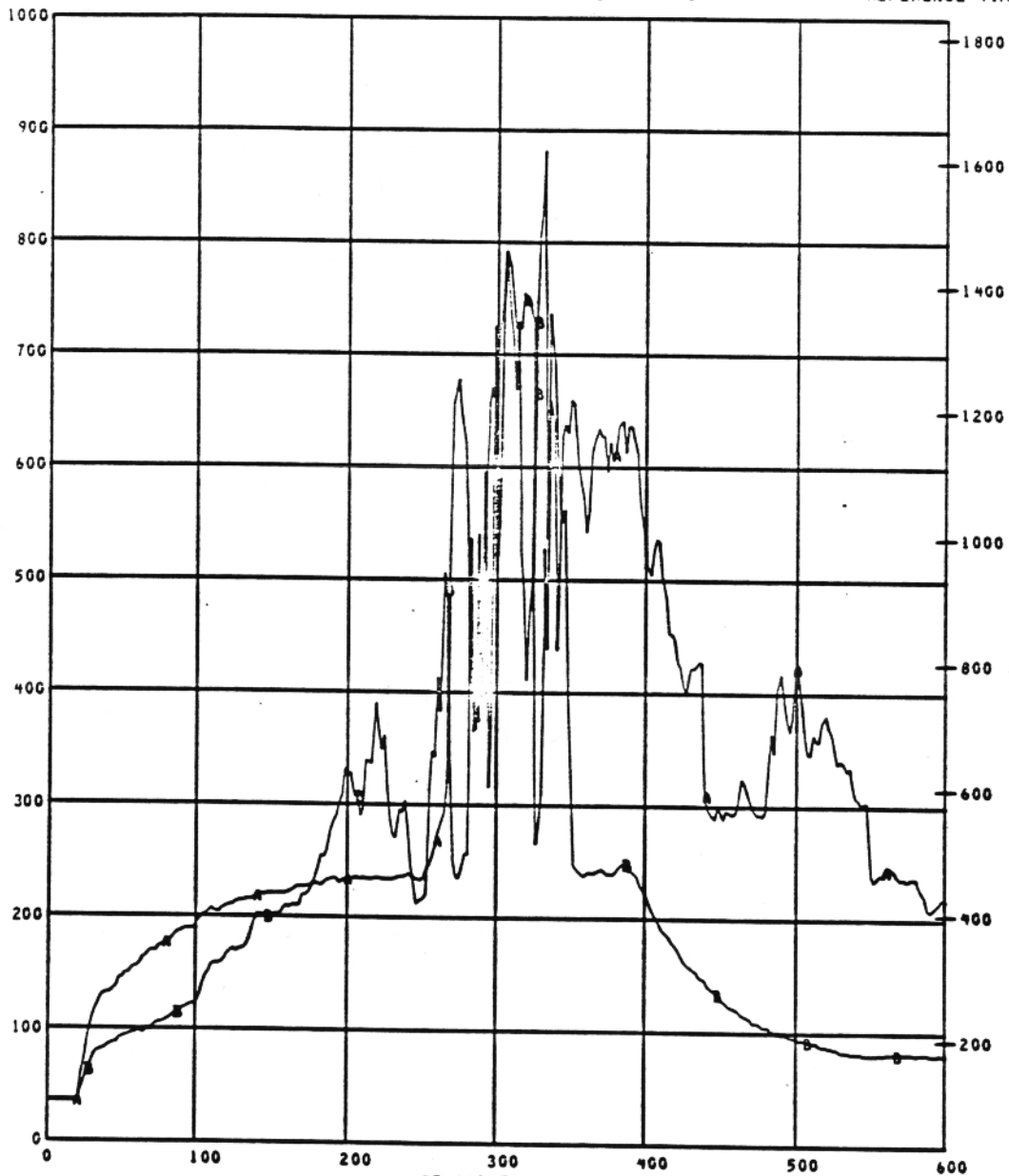
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

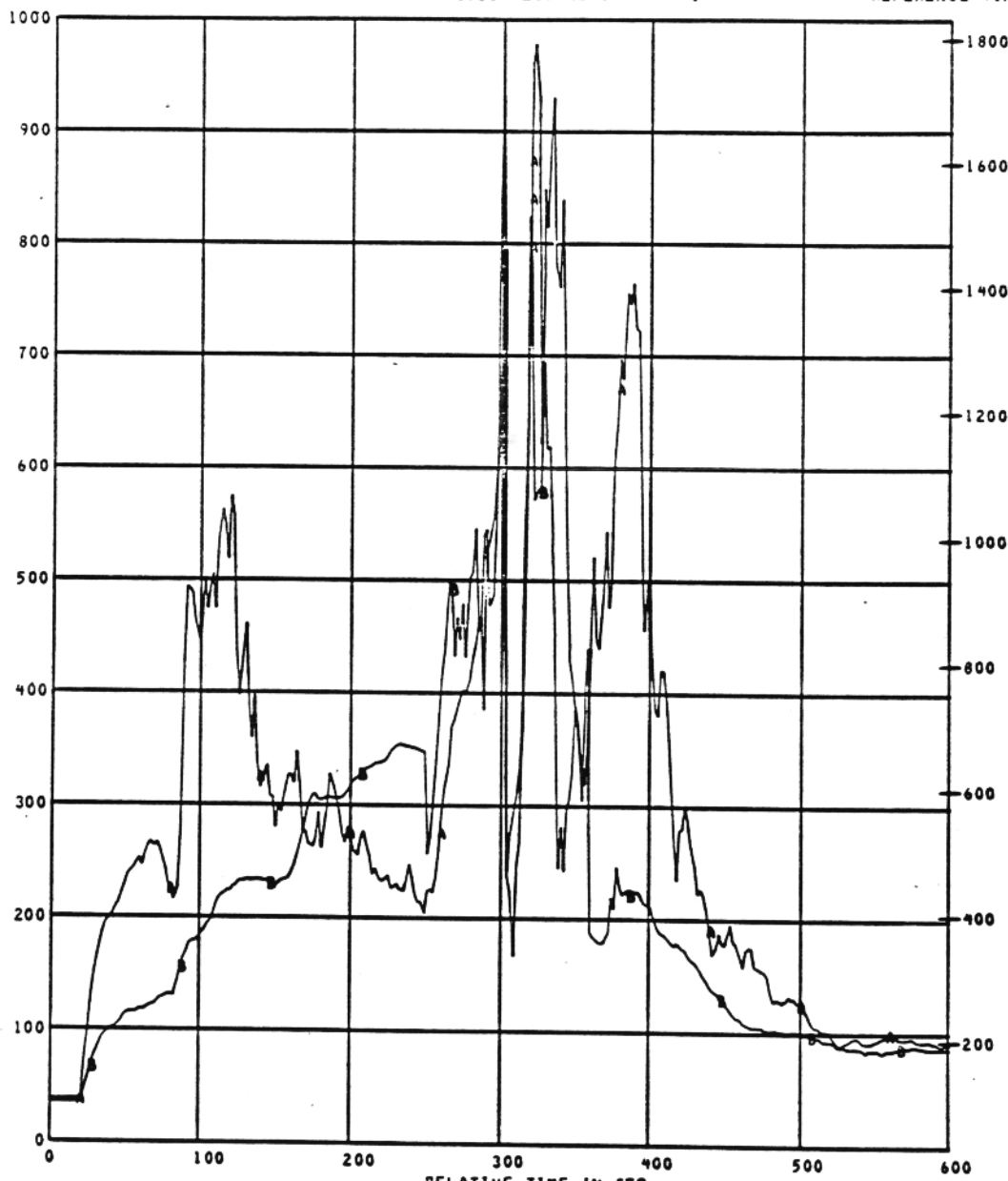
RANGE
0 TO 1000
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UNITS	GRID-SYM
DEG C	AA
DEG F	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER	CHANNEL ASGN.
* TSC2	105
* TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

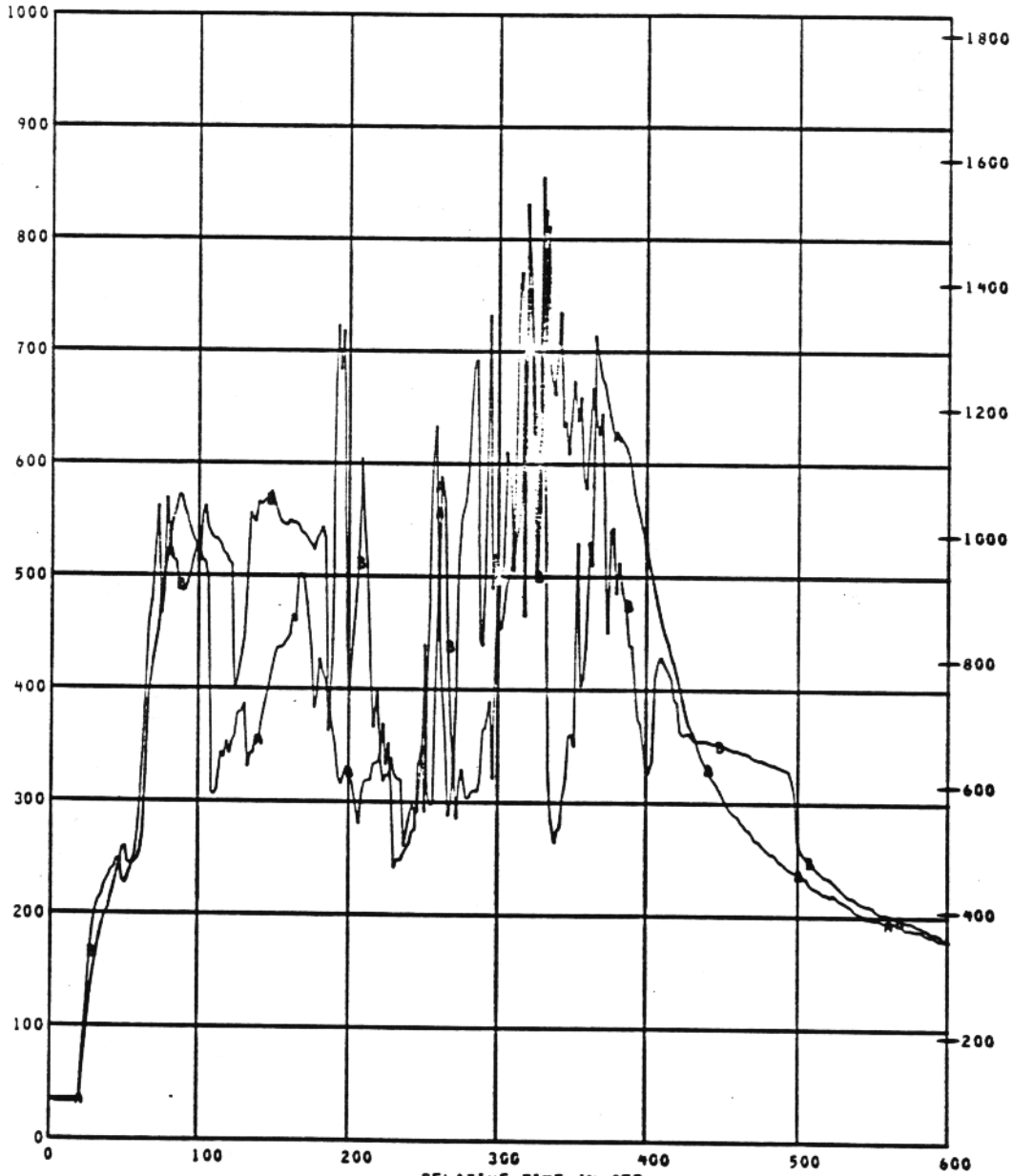
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASAI

SEAT TST-OCT 1980 PLCT NO 10 - 1

REFERENCE TIME 09 45 01.000

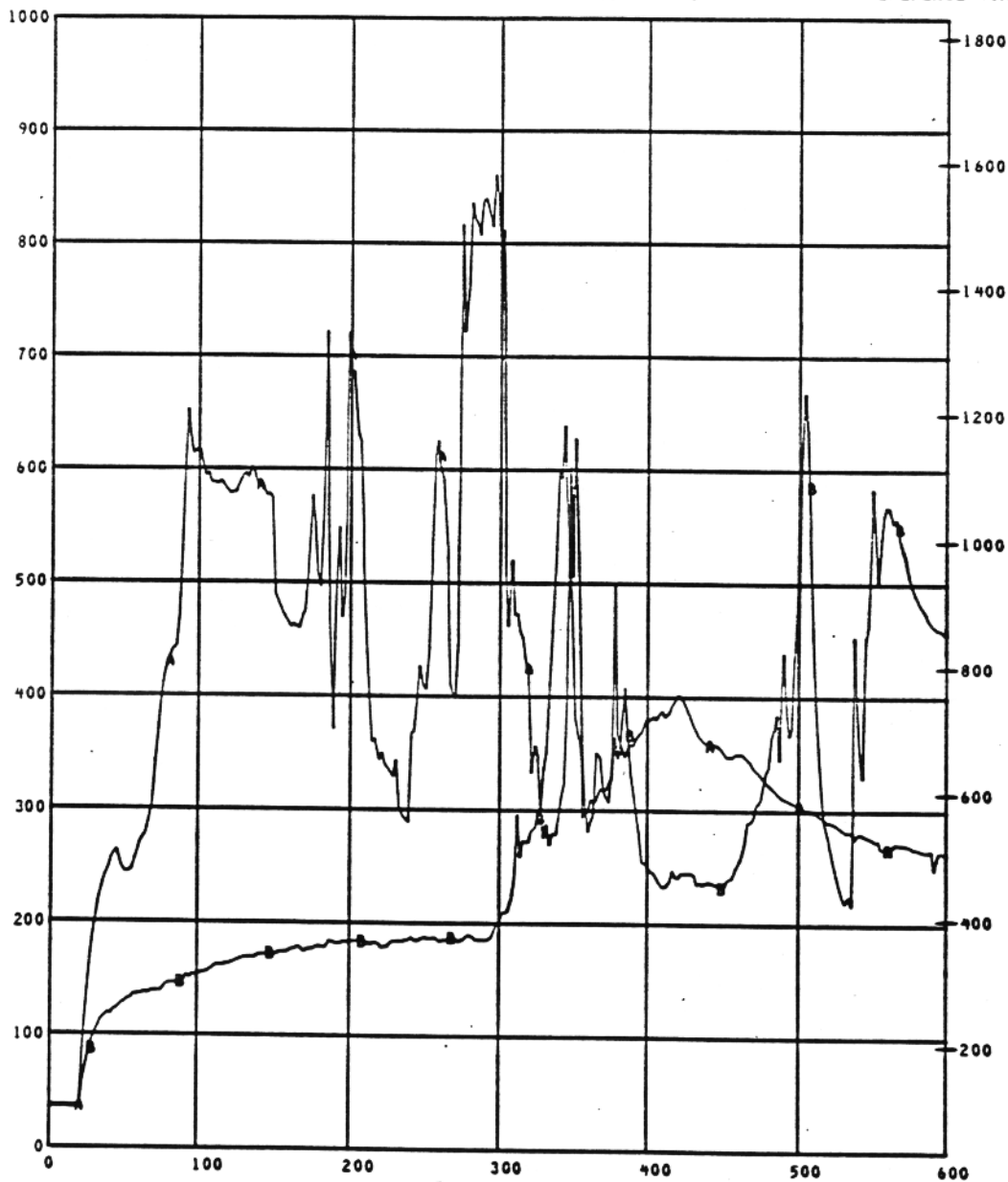


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
\$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSR3	109
\$ TBL1	110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

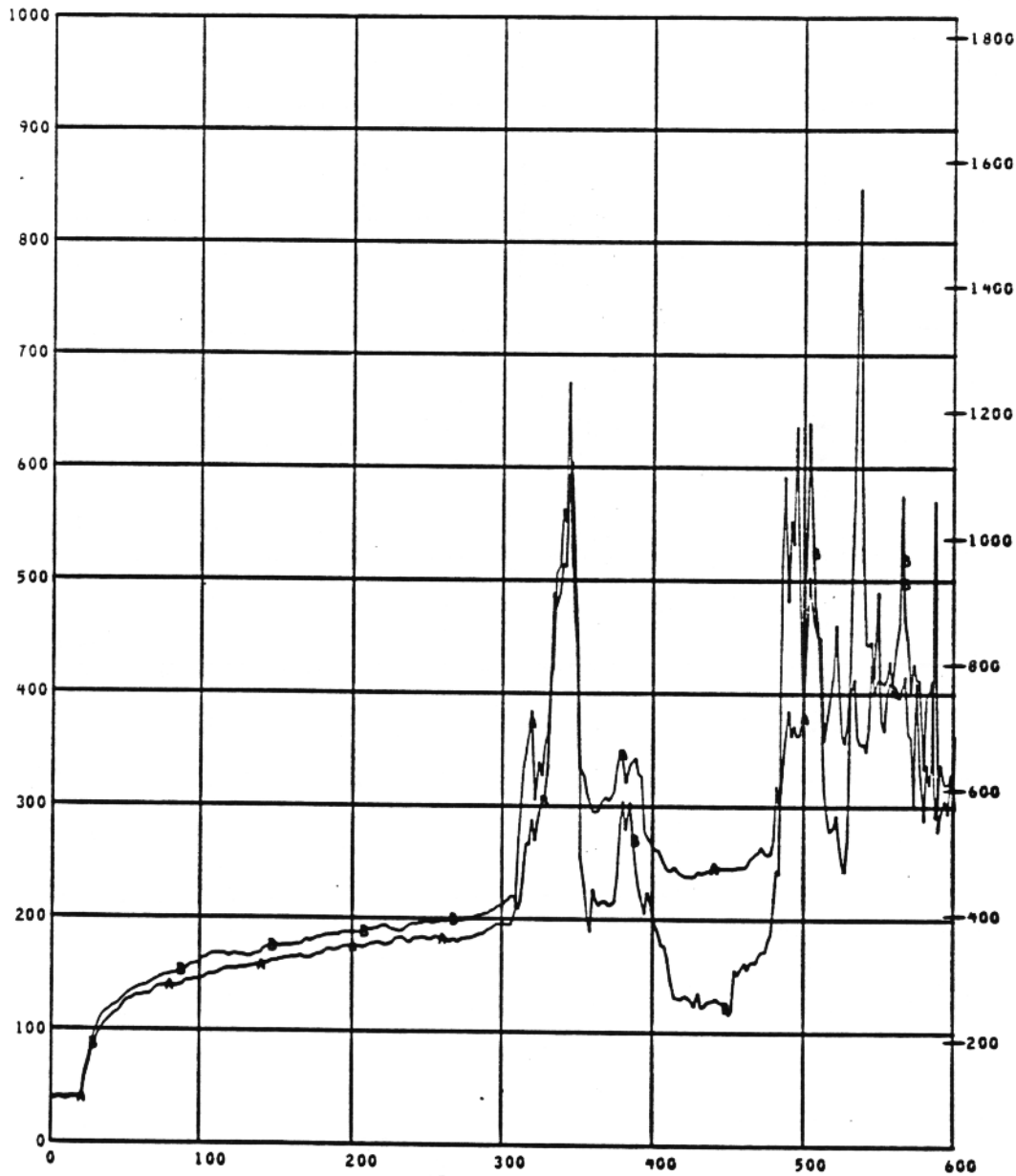
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER	CHANNEL ASGN.
* TBL2	111
* TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

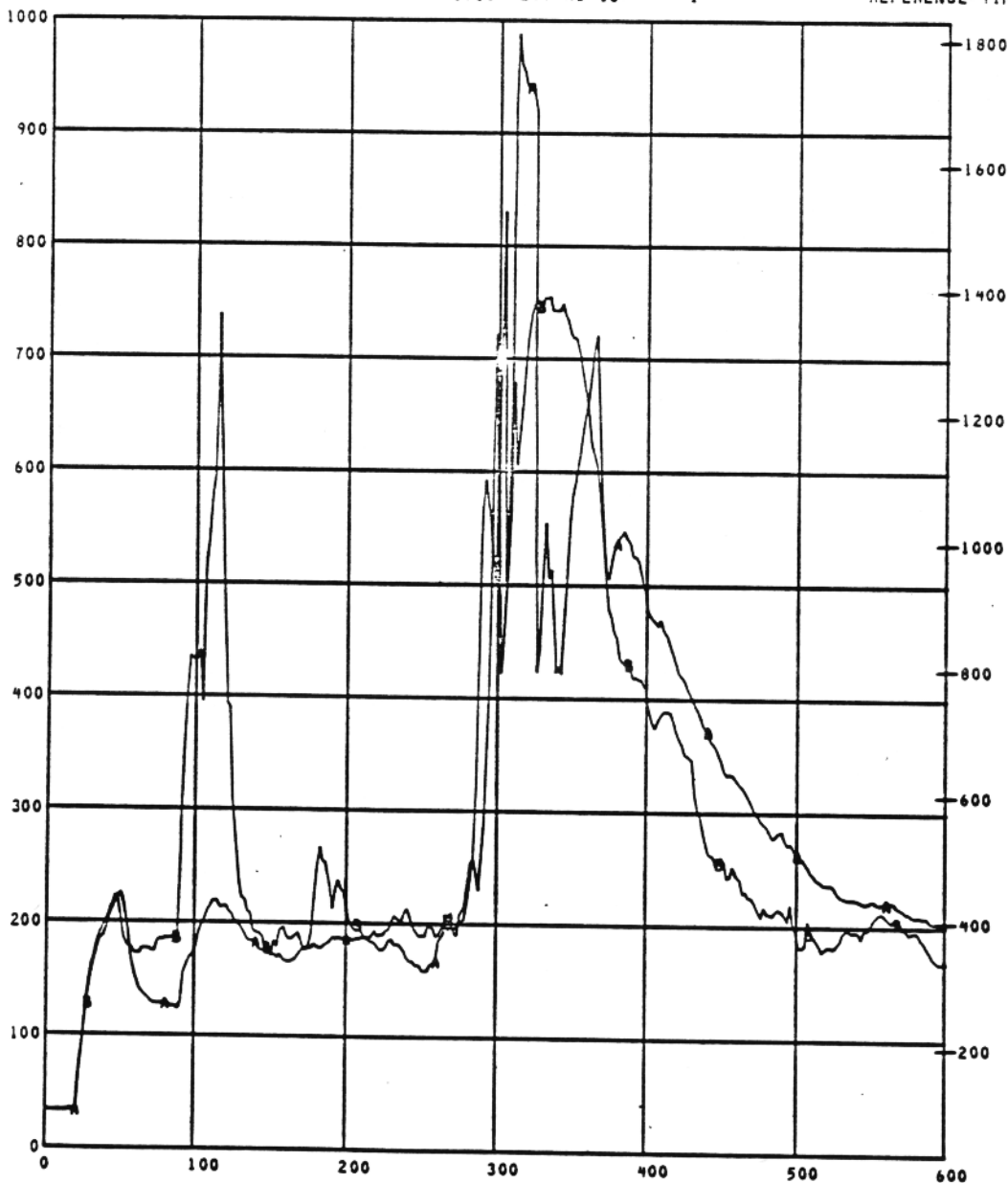
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER CHANNEL ASGN.
 \$ TBC1 113
 \$ TBC2 114

TITLE
 TEMP-BACK CENTER BOTTOM
 TEMP-BACK CENTER MIDDLE

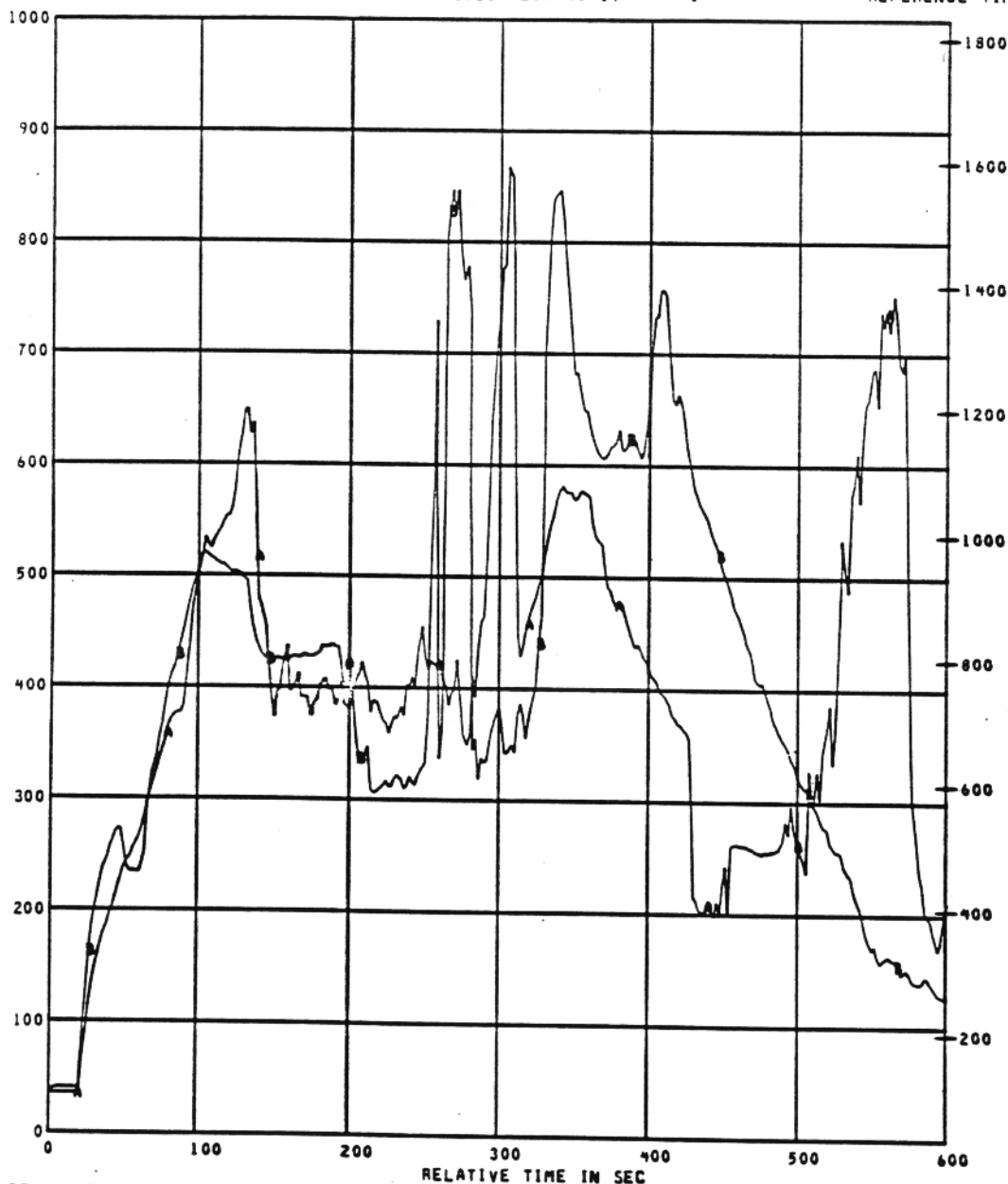
RANGE
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 0 TO 1000

UNITS GRID-SYM
 DEG C AA
 DEG C AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

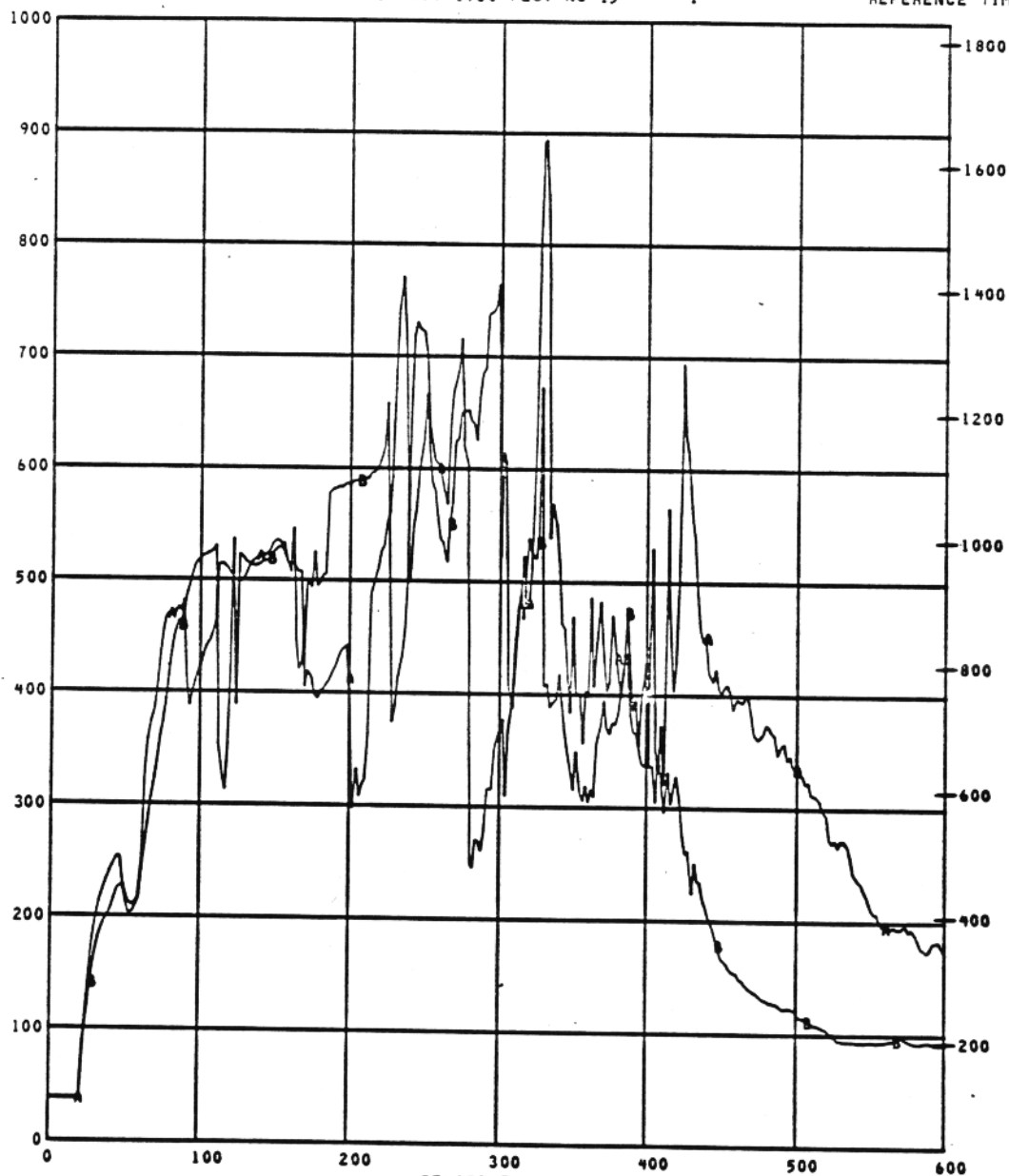
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBR2	117
\$ TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

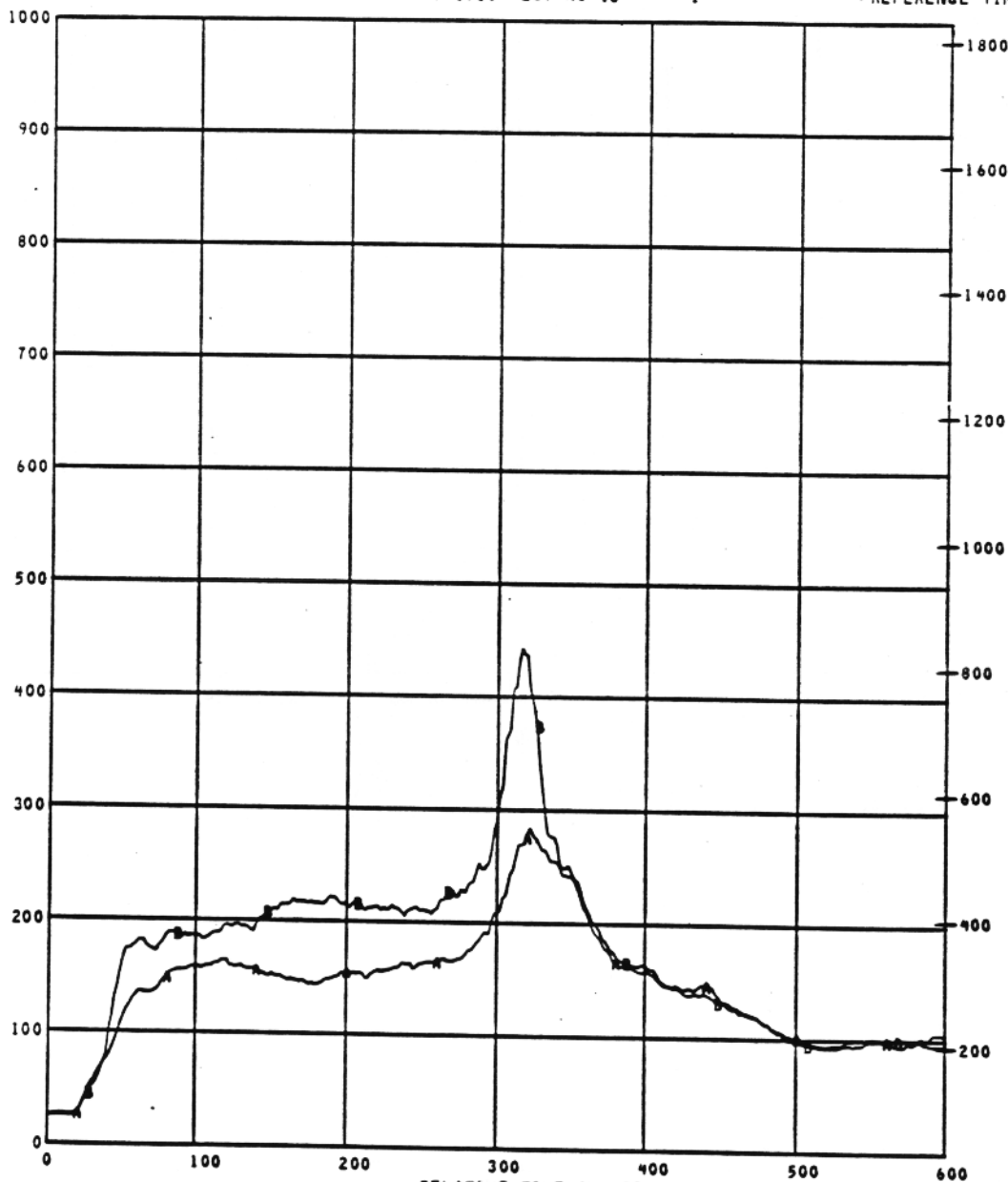
RANGE
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0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

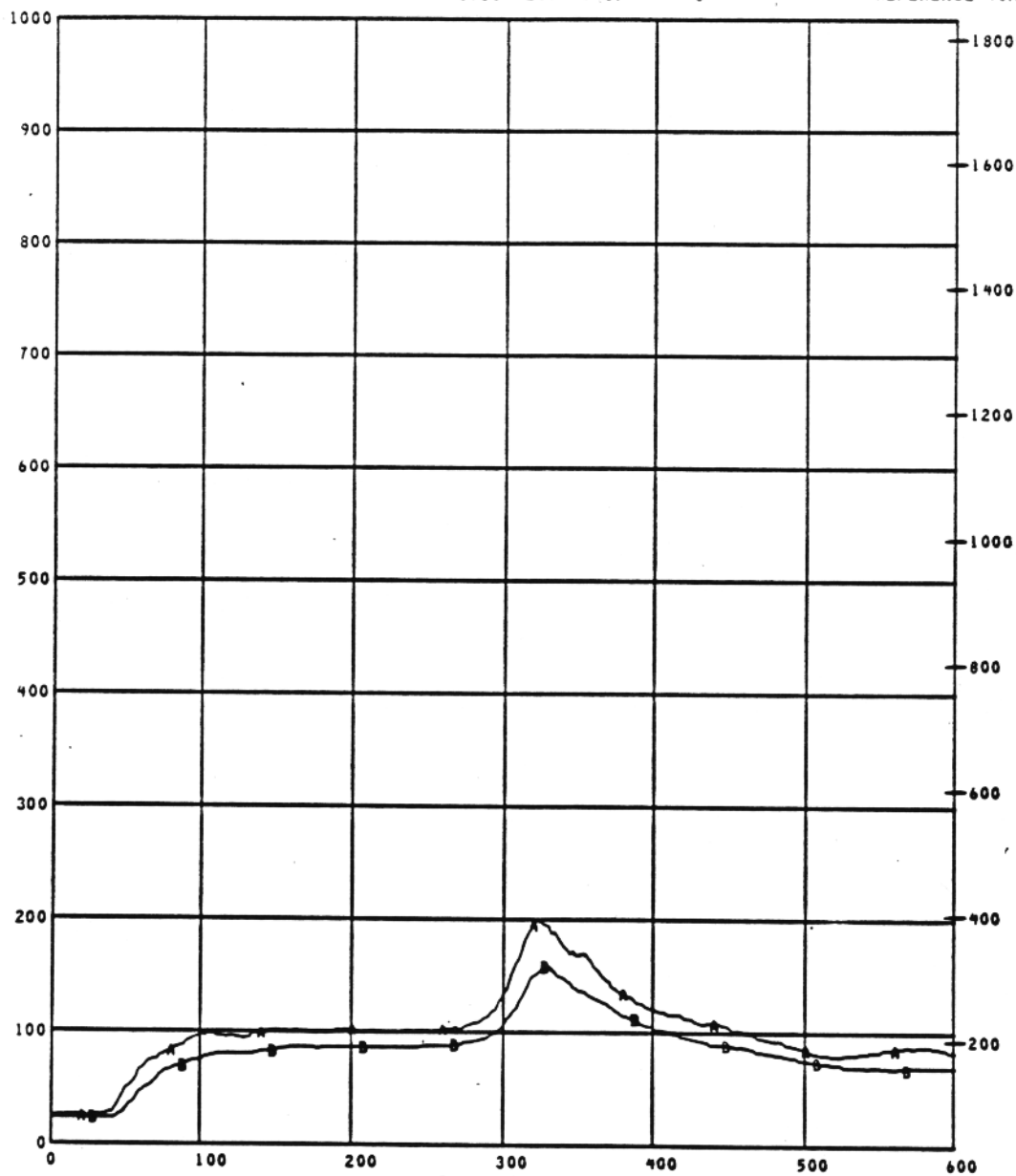
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASAI

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

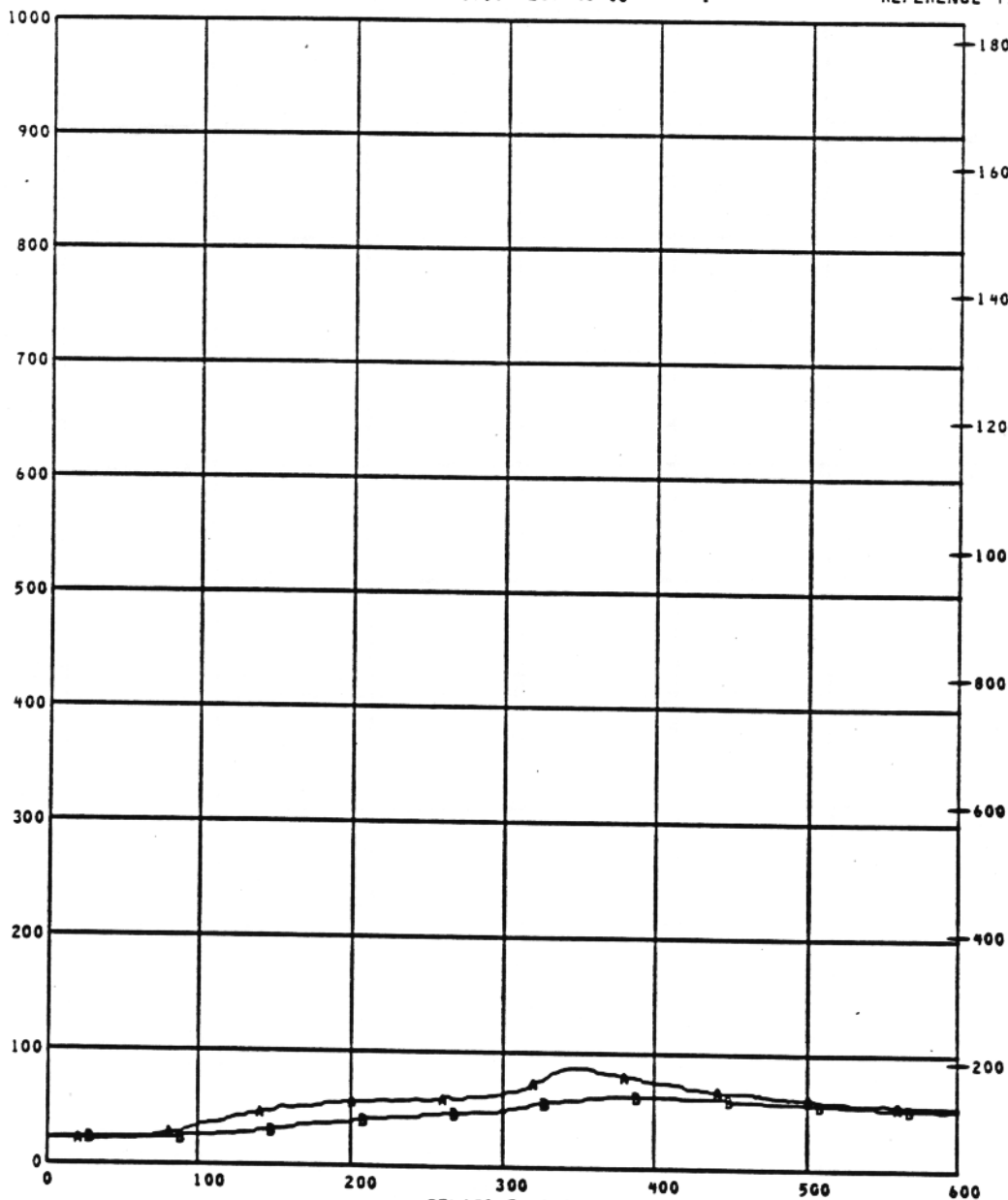
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID: NASA1

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 09 45 01.000



MEAS. NUMBER
\$ TRC
\$ TAO

CHANNEL ASGN.
123
124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

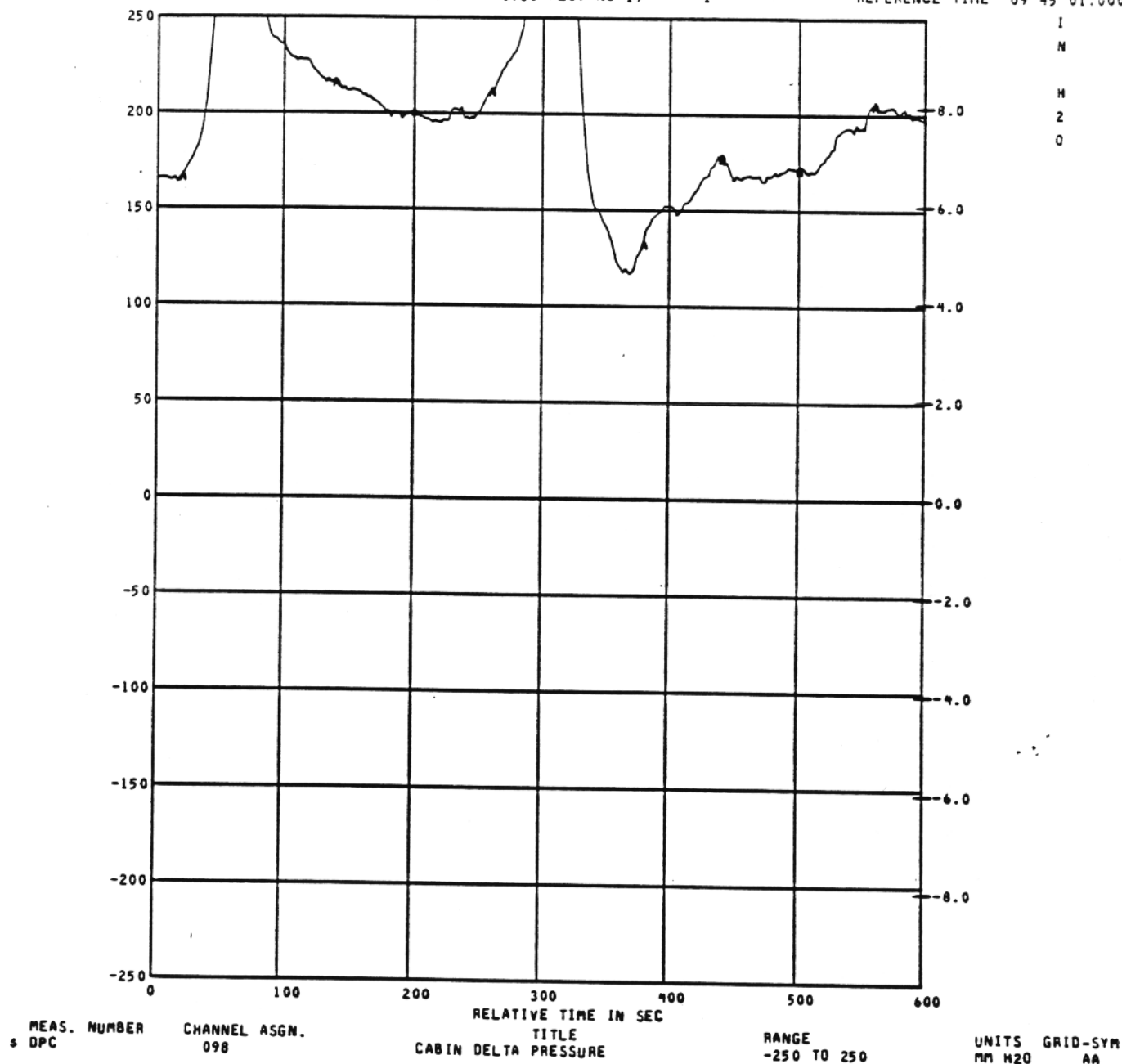
RANGE
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0 TO 1600

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 19 - 1

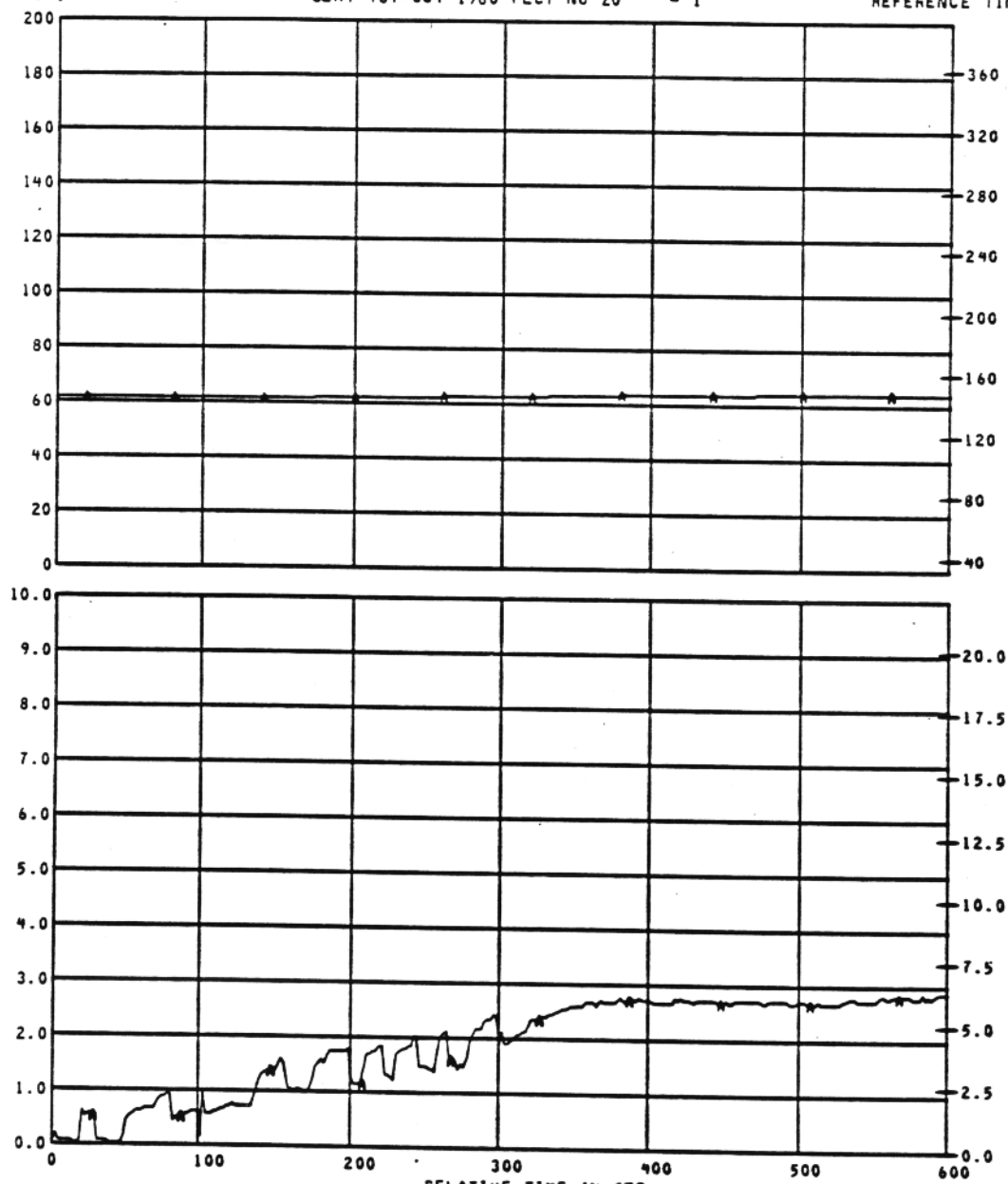
REFERENCE TIME 09 45 01.000



TEST ID NASA1

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 09 45 01.000



D
E
G
F

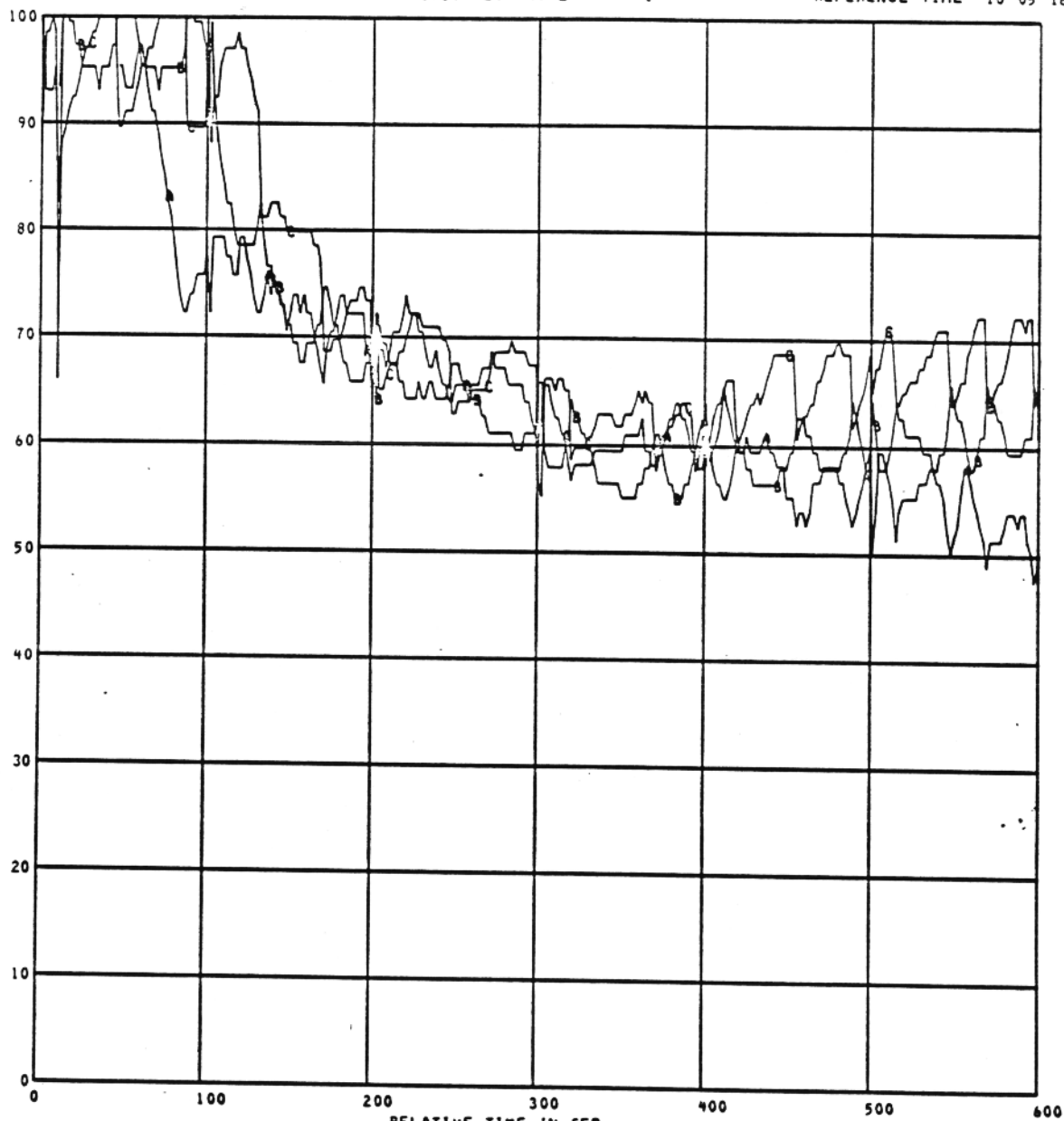
L
B
S

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 NASA2

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 05 16.000

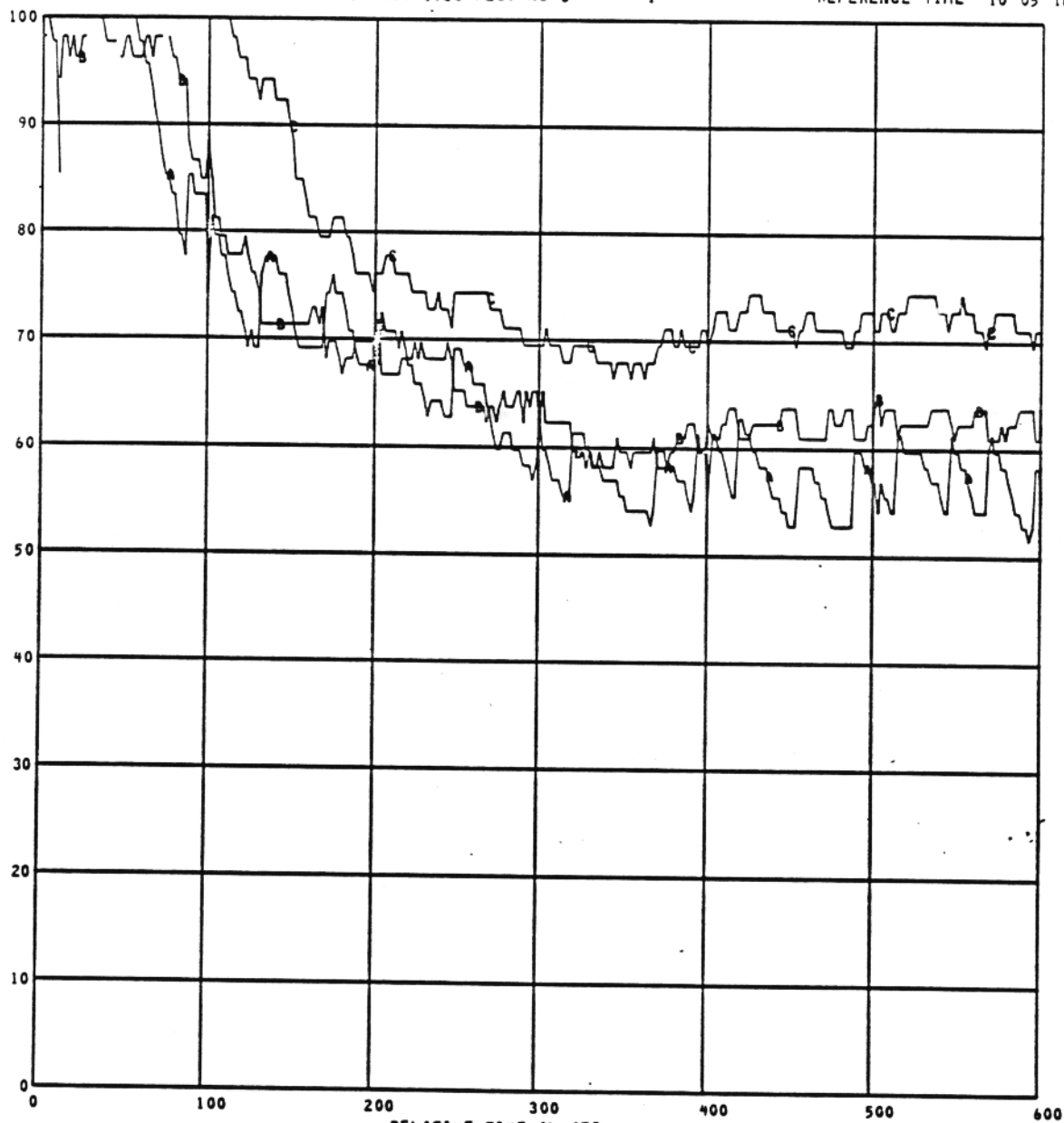


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10 05 16.000

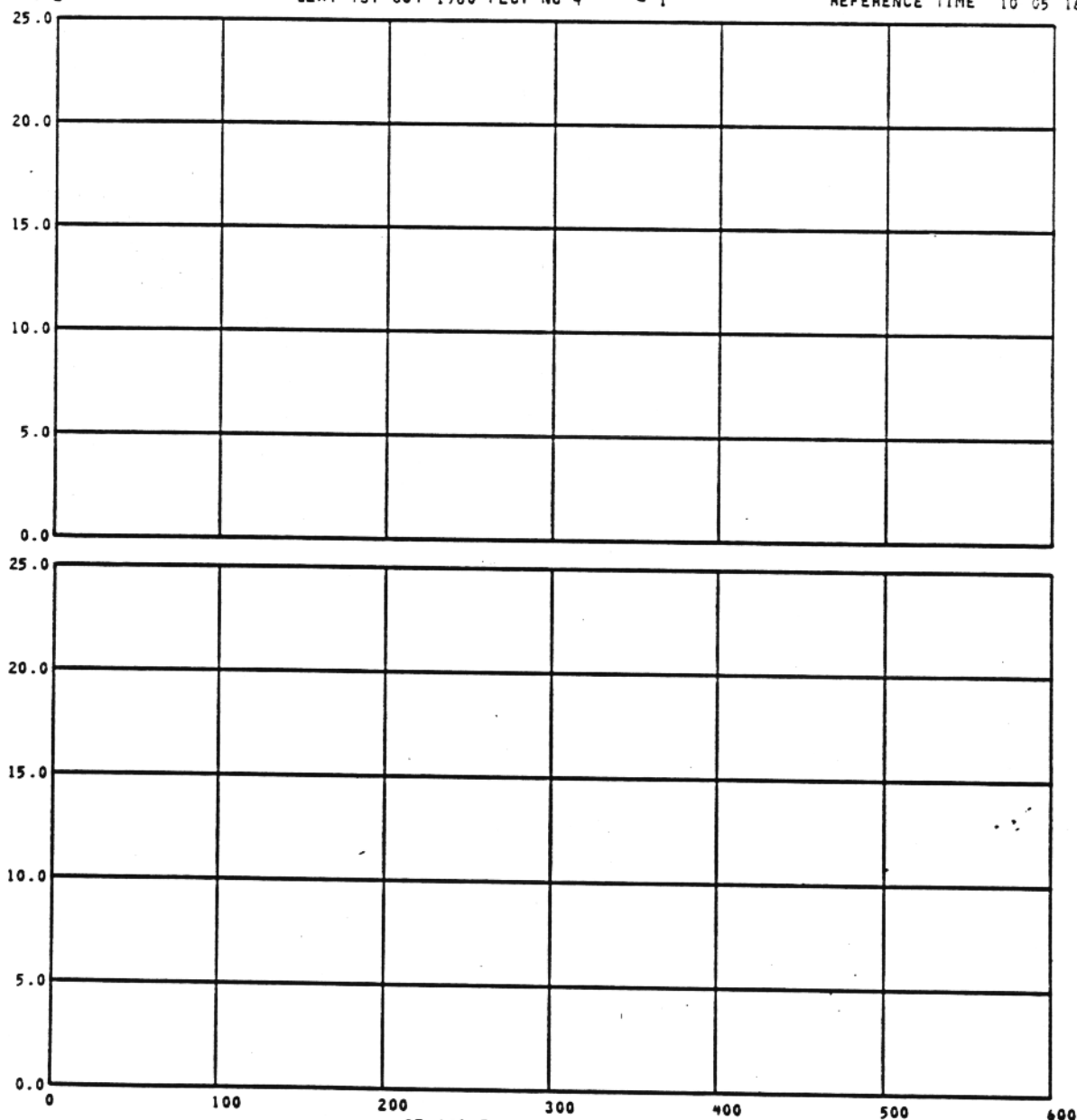


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

RELATIVE TIME IN SEC
TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

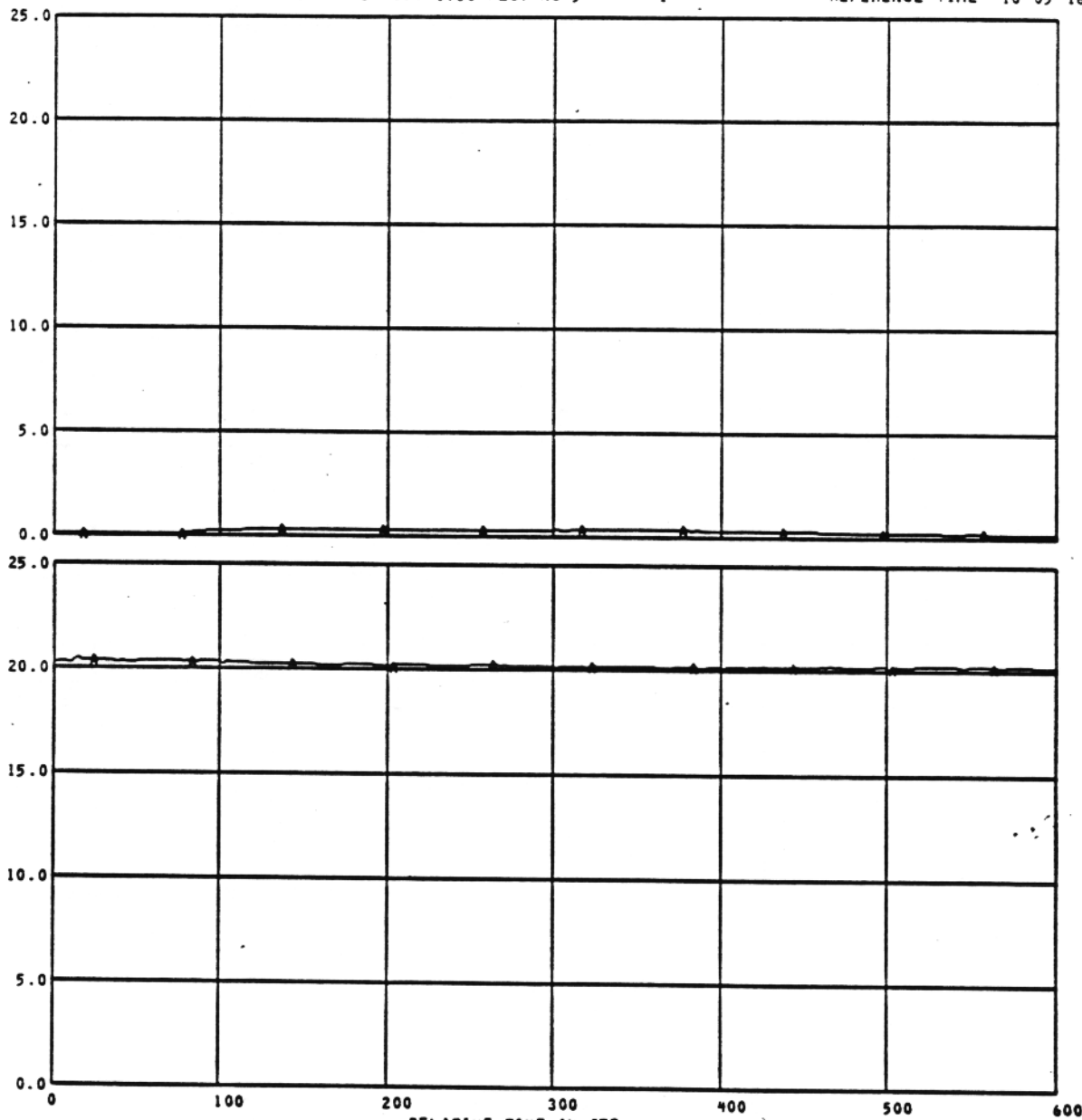
RANGE
0.0 TO 25.0
0.0 TO 25.0

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
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

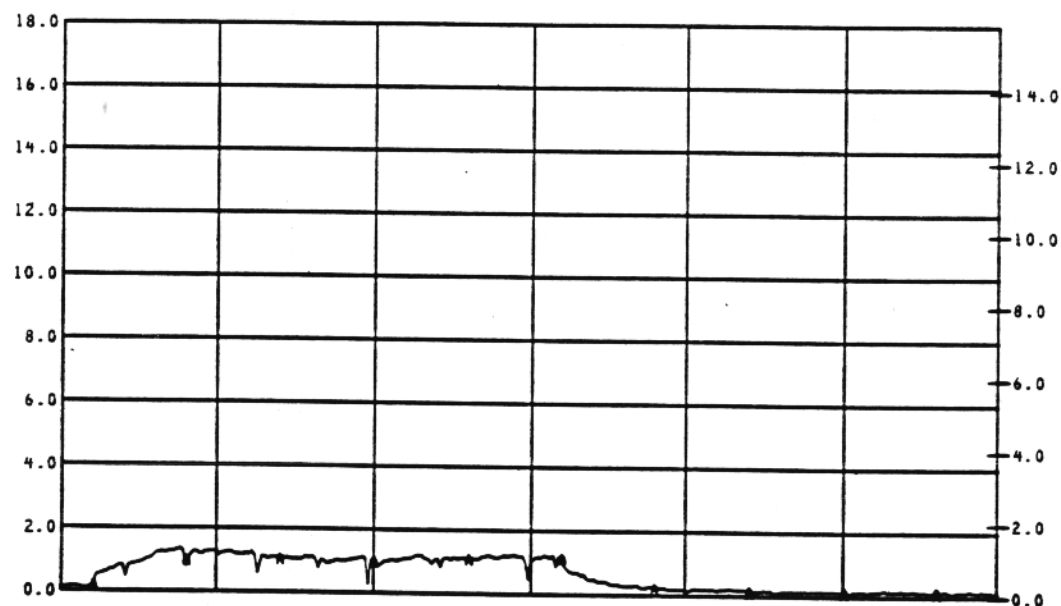
RANGE
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0.0 TO 25.0

UNITS GRID-SYN
PCT AA
PCT BA

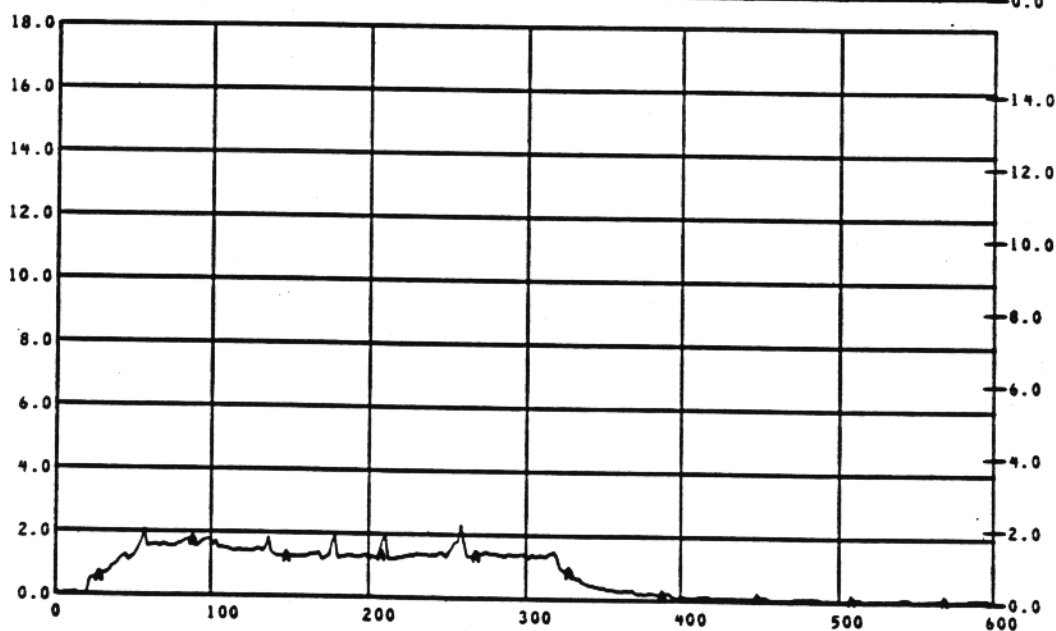
TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 10 05 16.000



B
T
U
/
F
T
2



B
T
U
/
F
T
2

MEAS. NUMBER	CHANNEL ASGN.
\$ CU	150
\$ CL	151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

RANGE
0.0 TO 18.0
0.0 TO 18.0

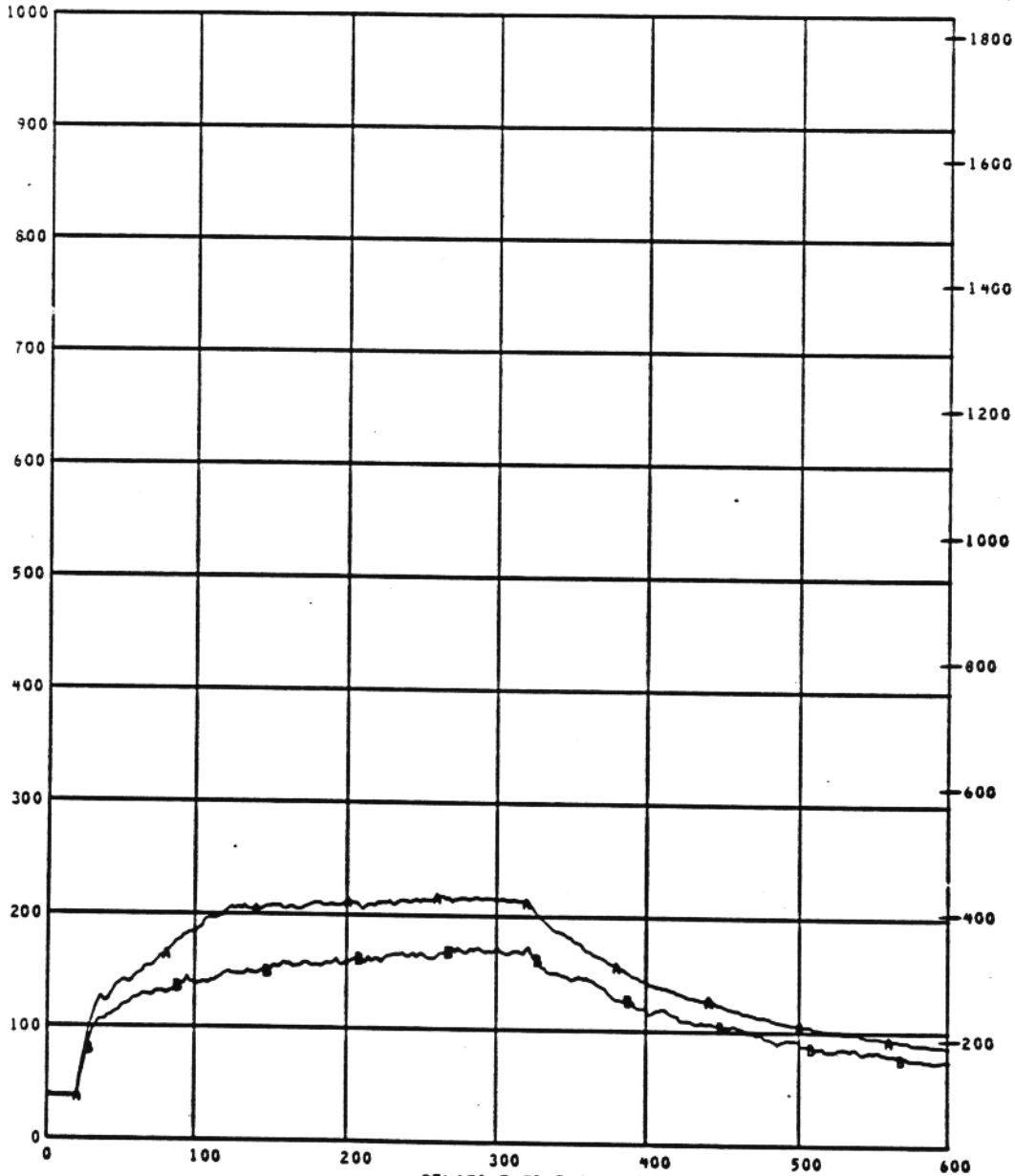
UNITS	GRID-SYM
WATT/CM2	AA
WATT/CM2	BA

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 7

- 1

REFERENCE TIME 10 05 16.000



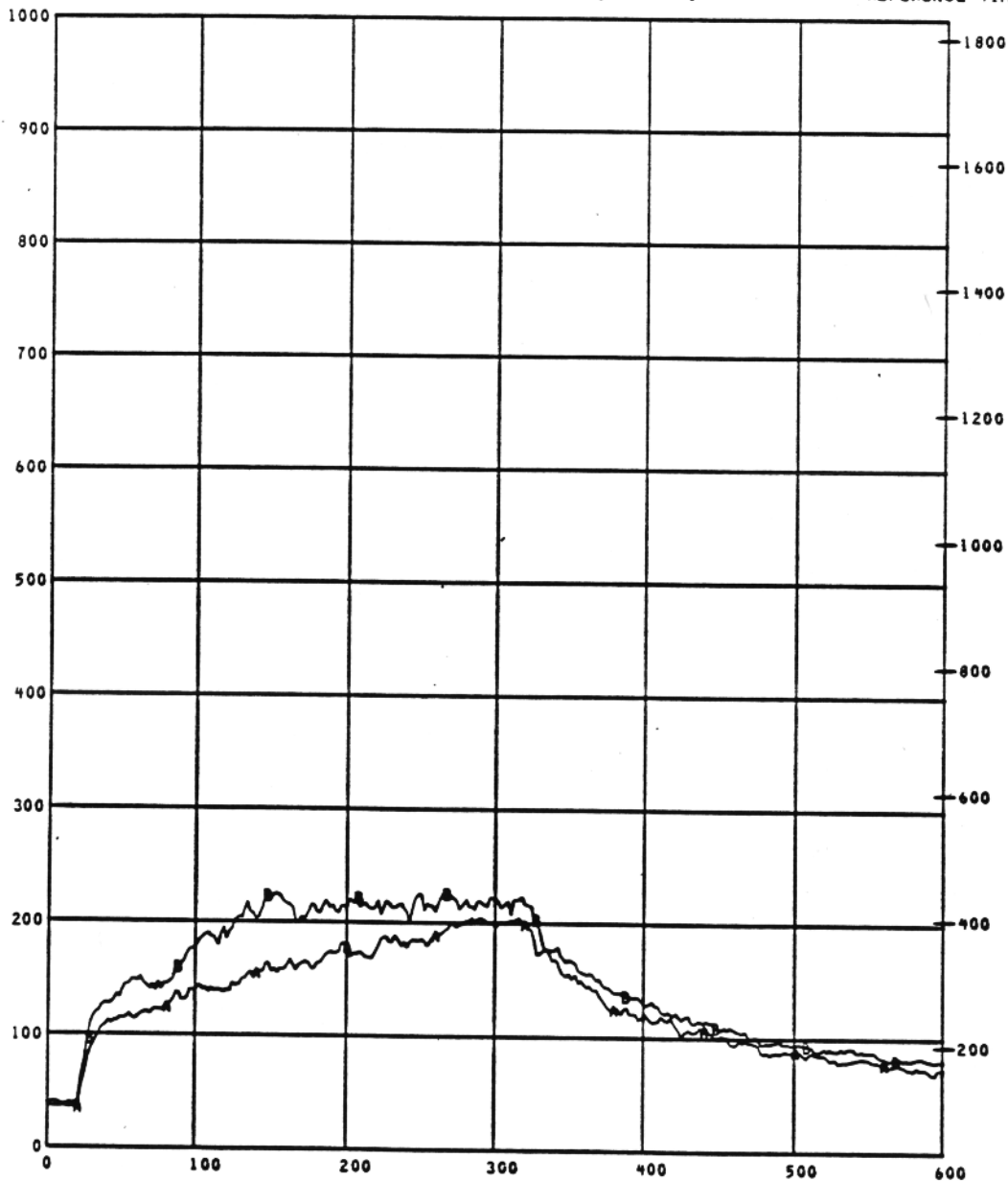
D
E
G
F

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



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

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

RANGE
0 TO 1000
0 TO 1000

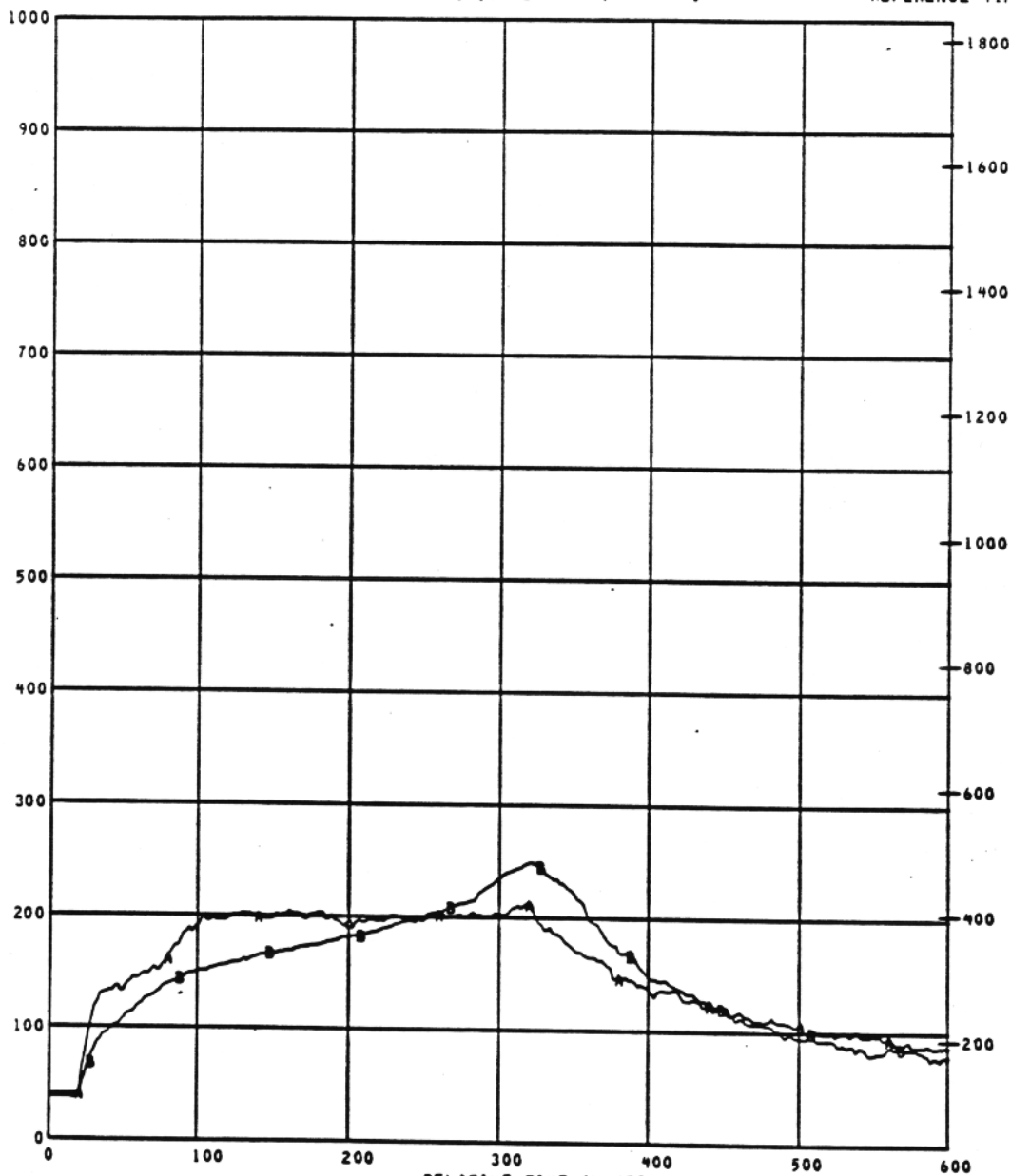
UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 9

- 1

REFERENCE TIME 10 05 16.000



D
E
G
F

MEAS. NUMBER
\$ TSC2
\$ TSC3

CHANNEL ASGN.
105
106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

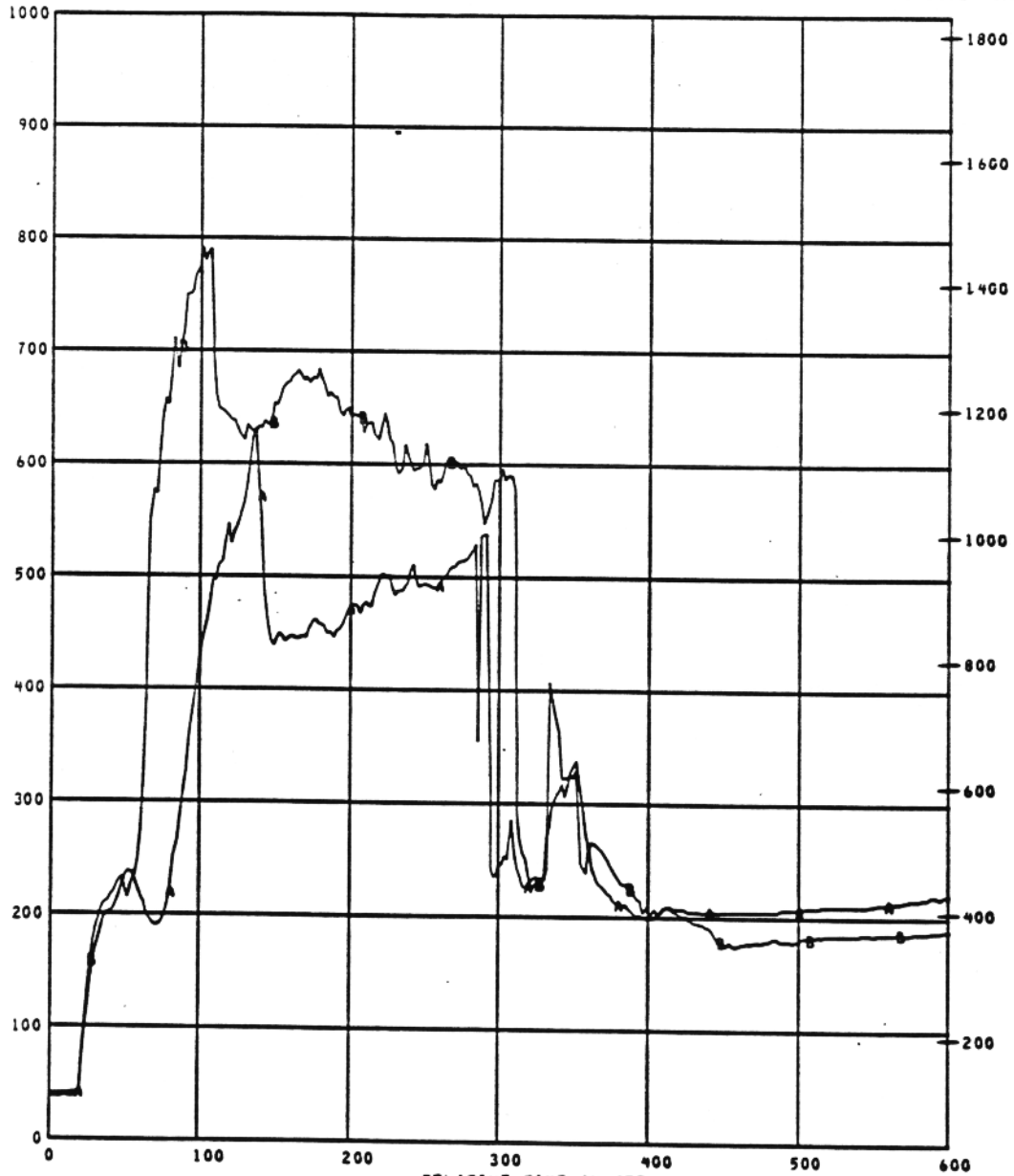
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER	CHANNEL ASGN.
* TSR1	107
* TSR2	108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

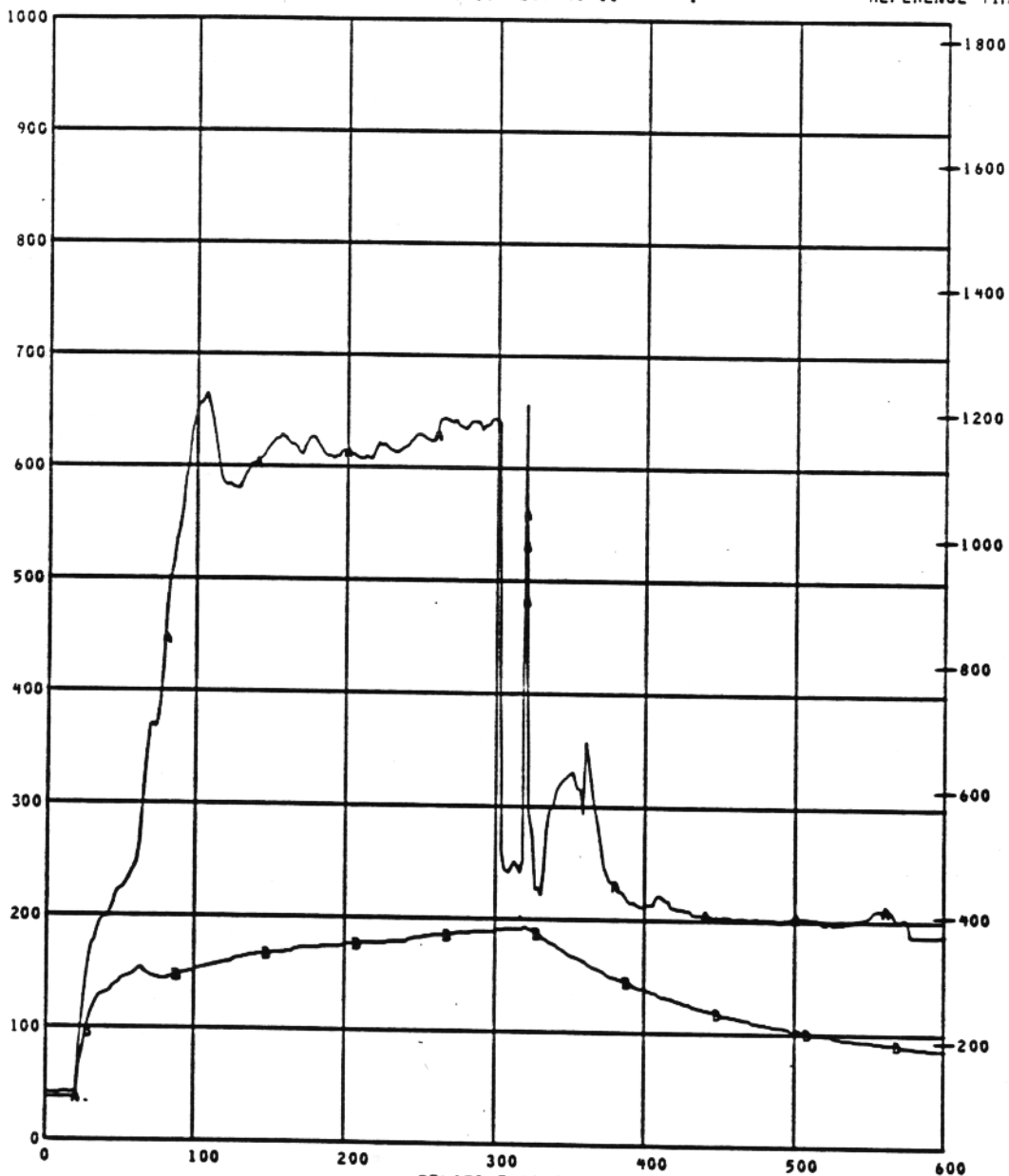
RANGE
0 TO 1000
0 TO 1000

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.
* TSR3	109
* TBL1	110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

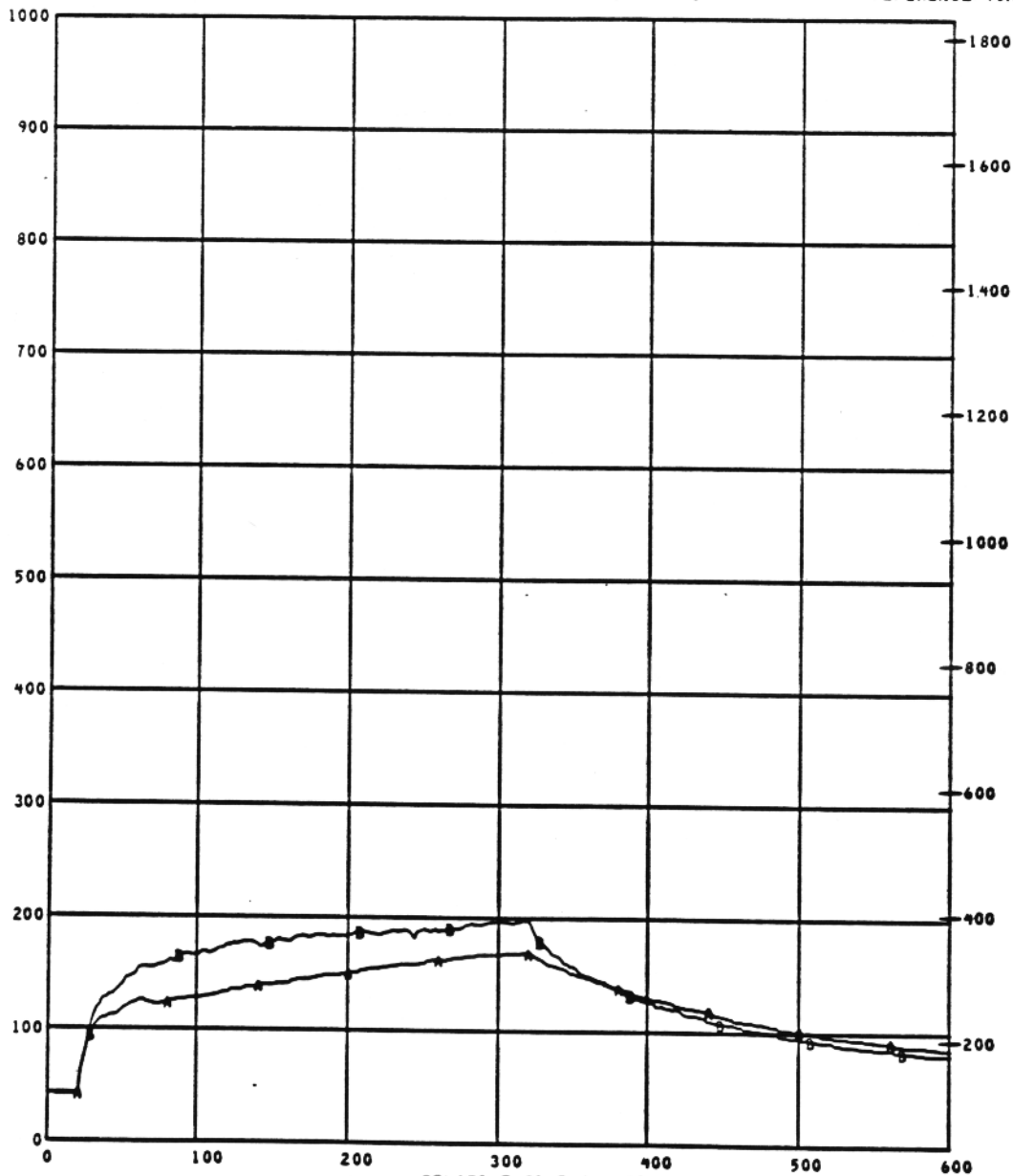
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 G5 16.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBL2	111
\$ TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

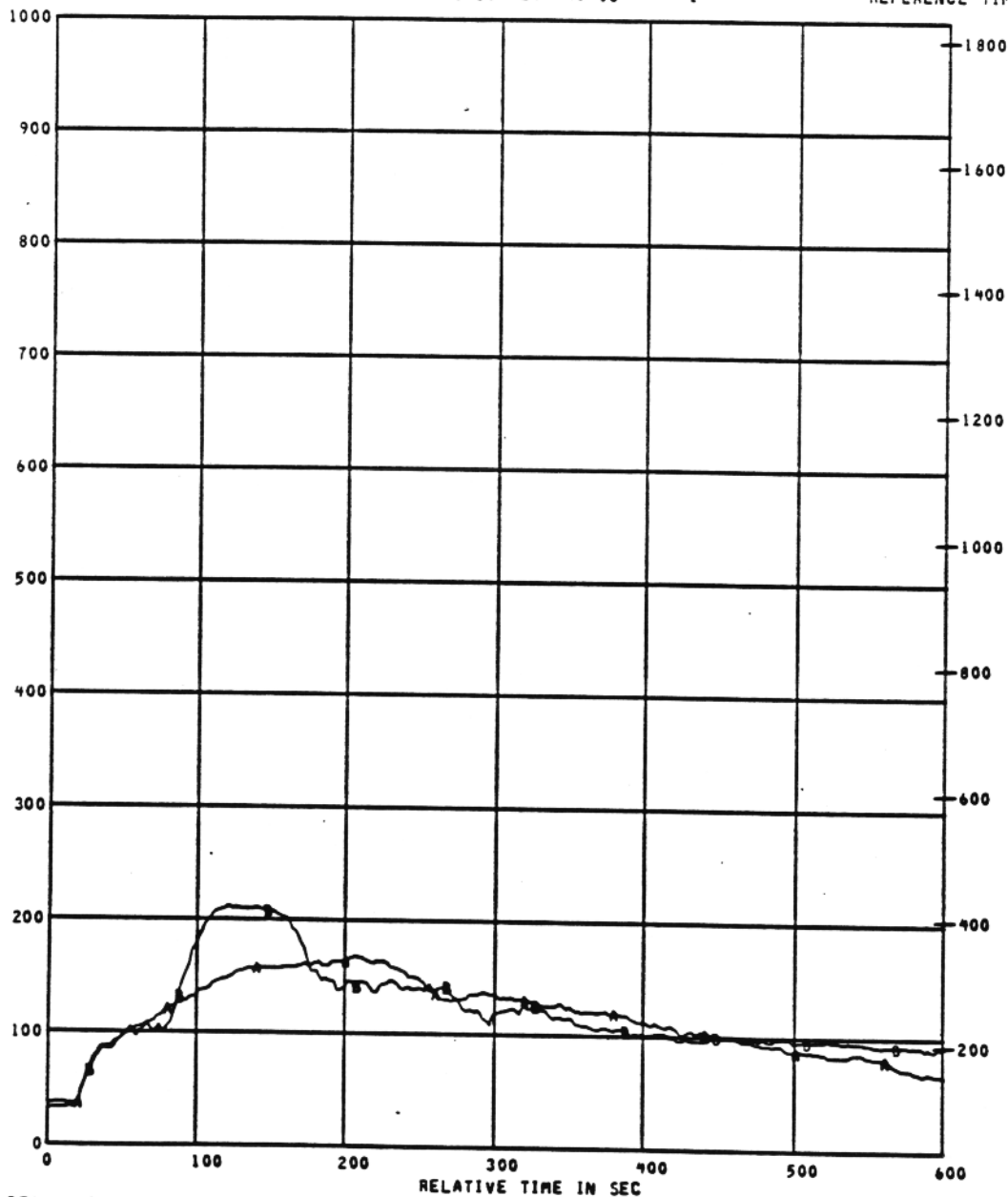
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER
\$ TSC1
\$ TBC2

CHANNEL ASGN.
113
114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

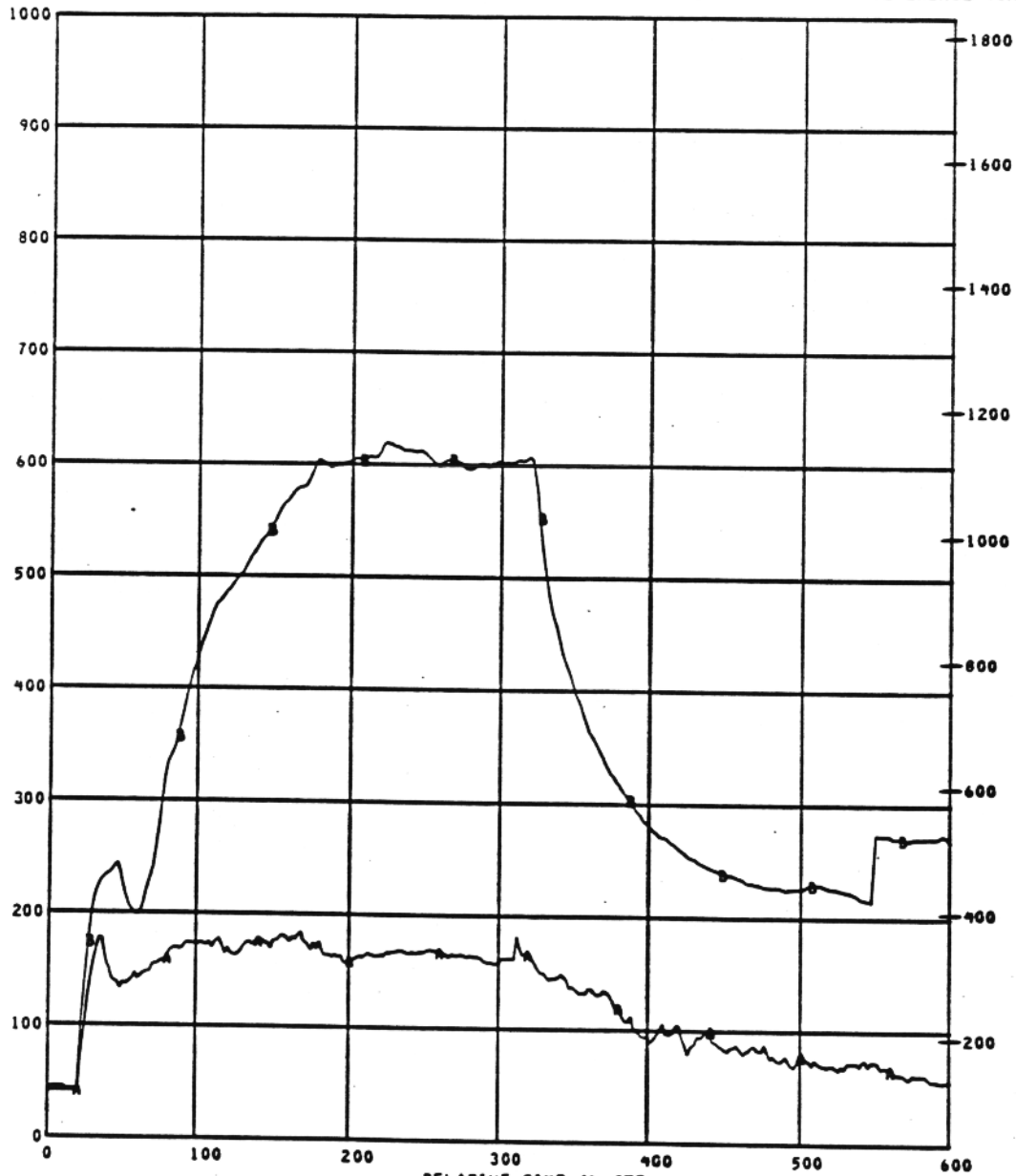
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBC3	115
\$ TBR1	116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

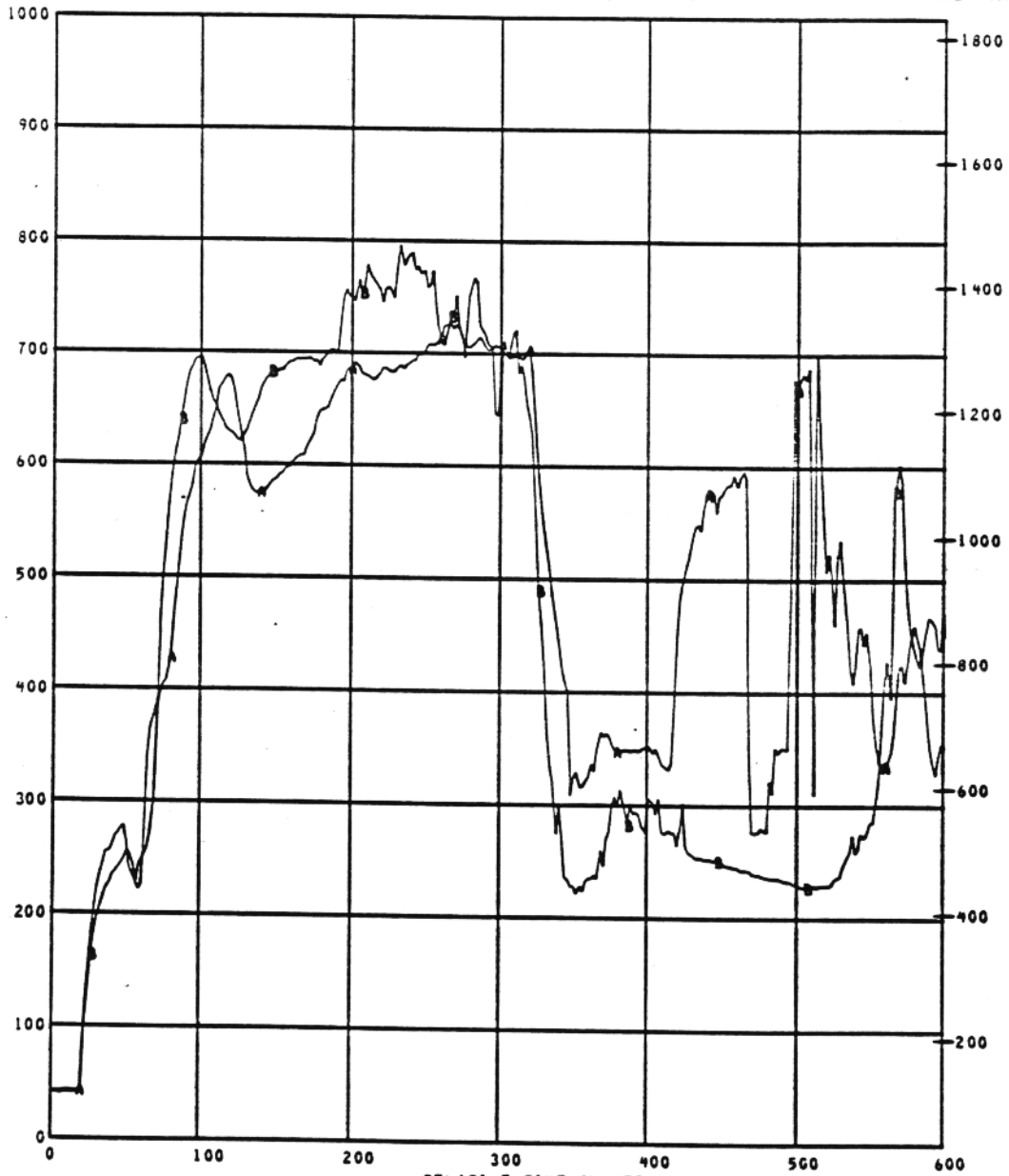
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 05 16.000

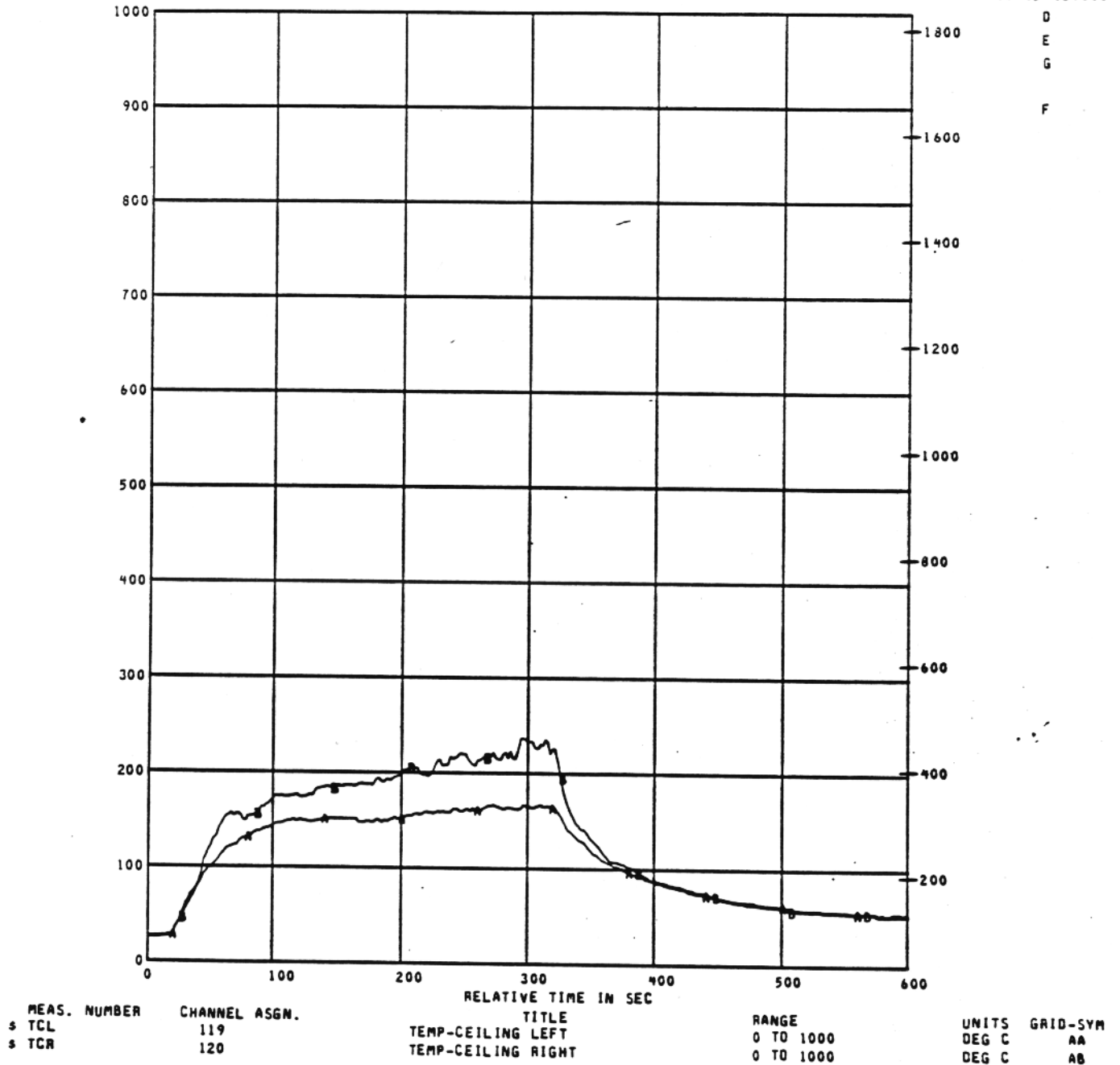


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
\$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 16 - 1

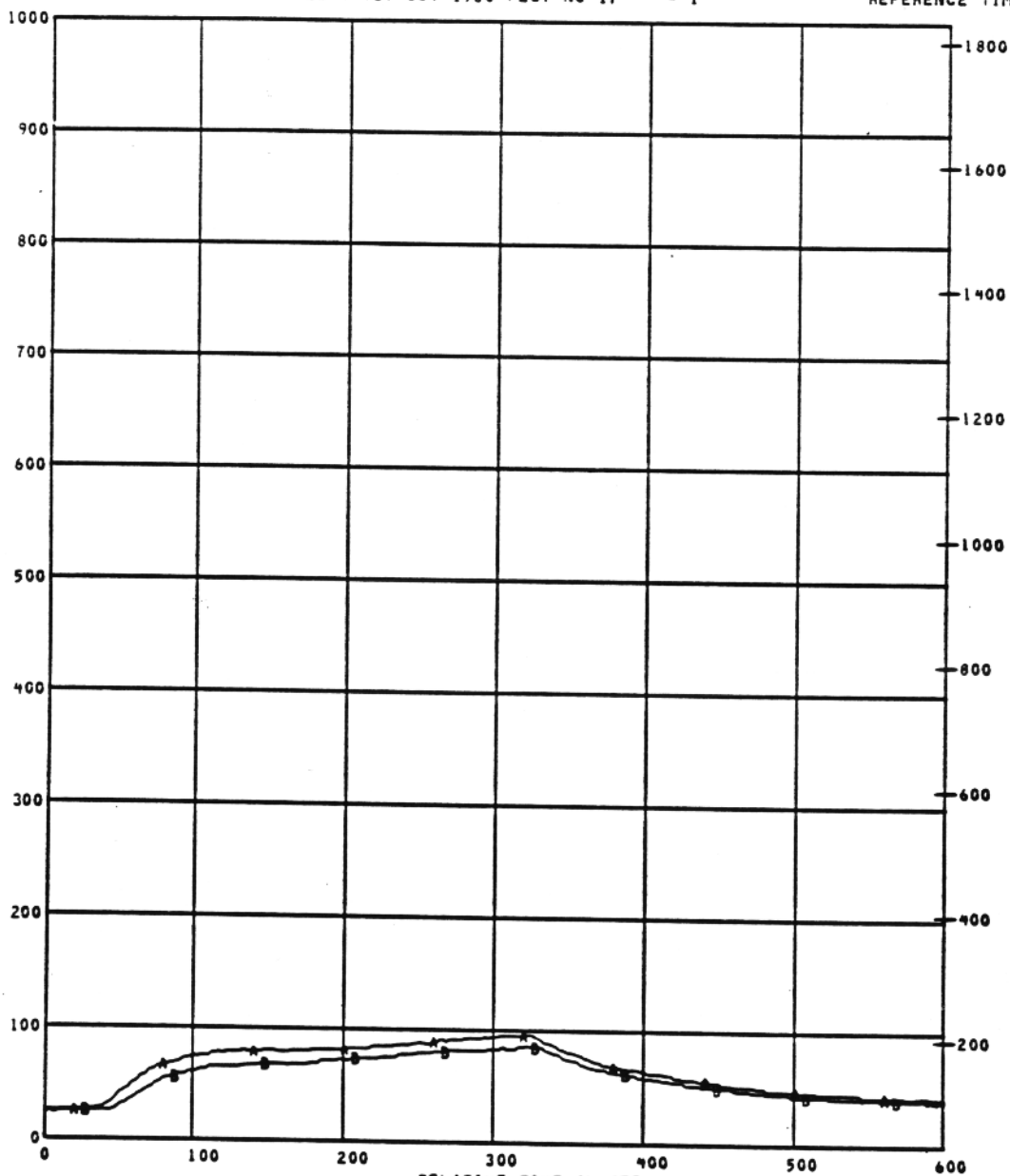
REFERENCE TIME 10 05 16.000



TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 05 16.000



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MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCW	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

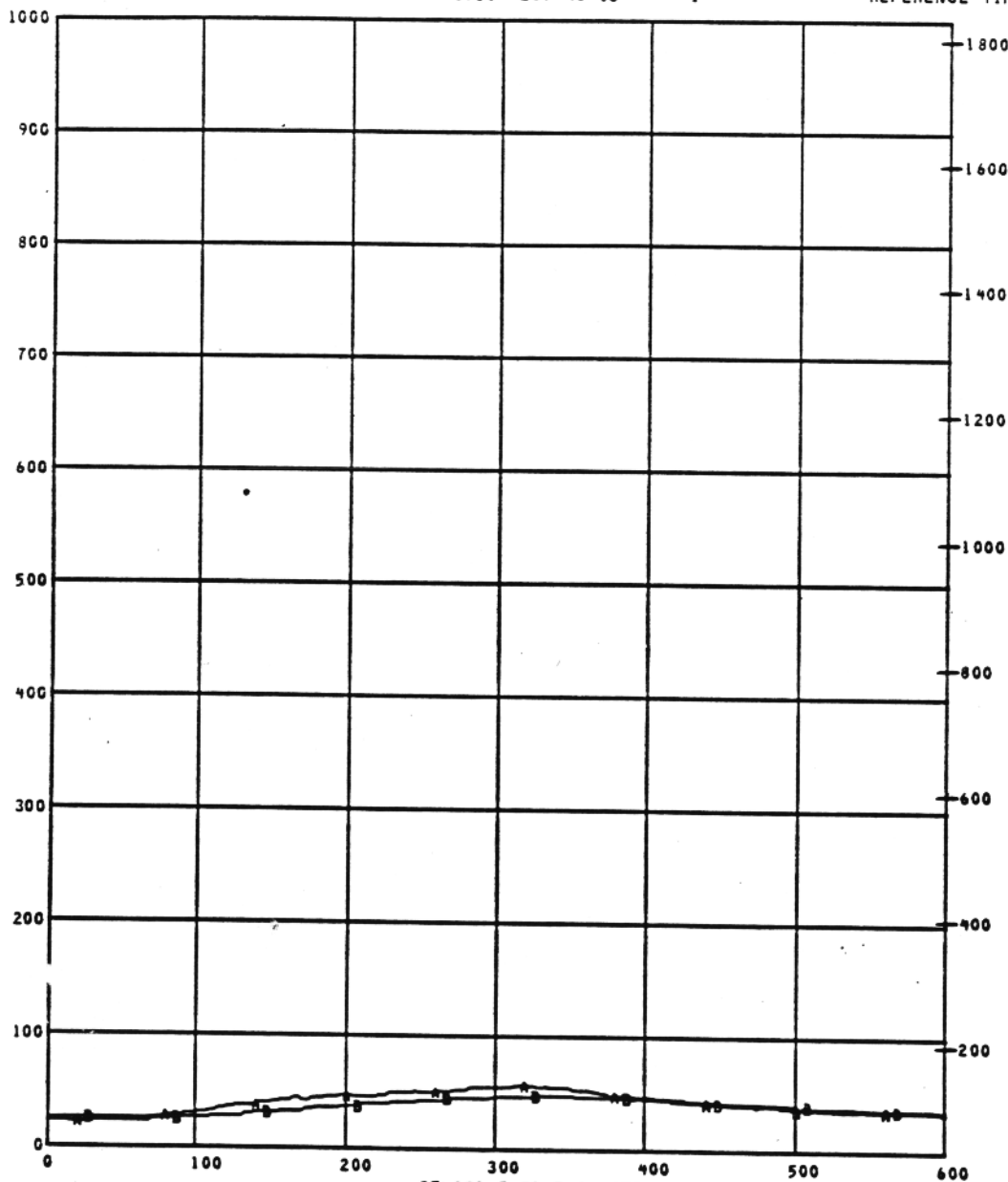
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER
\$ TRC
\$ TAO

CHANNEL ASGN.
123
124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

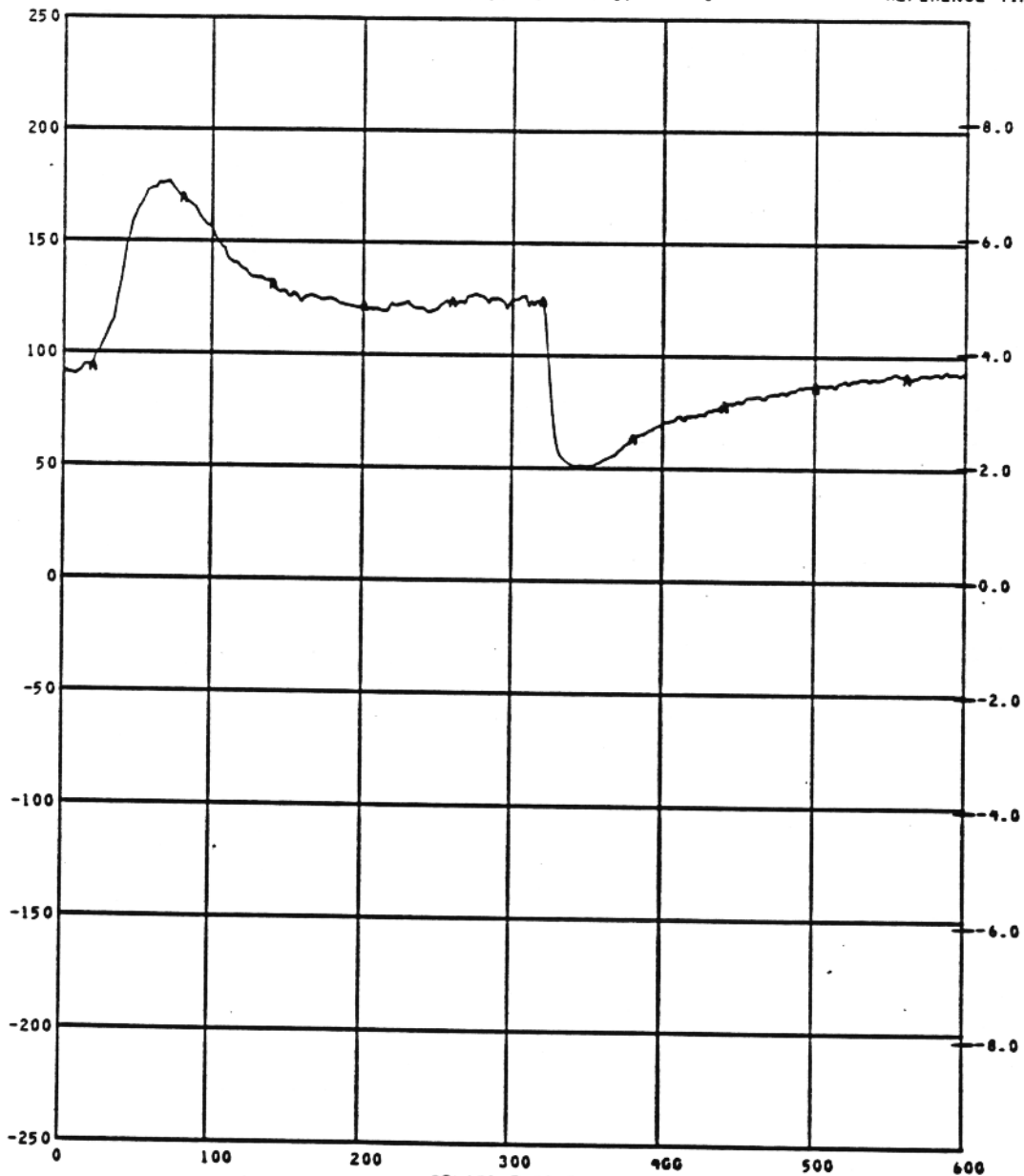
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 05 16.000



MEAS. NUMBER
s DPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

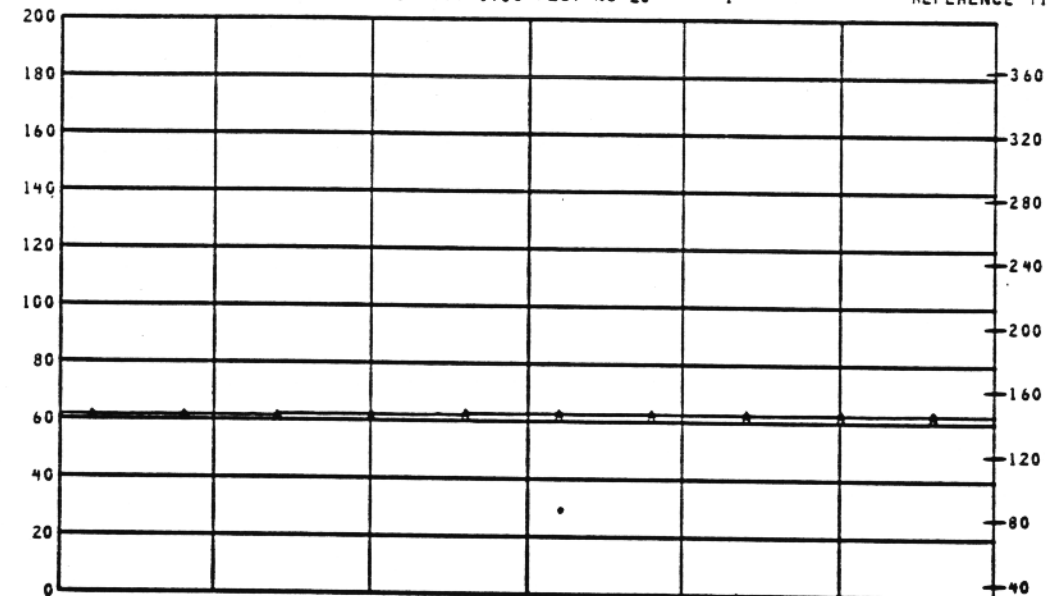
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

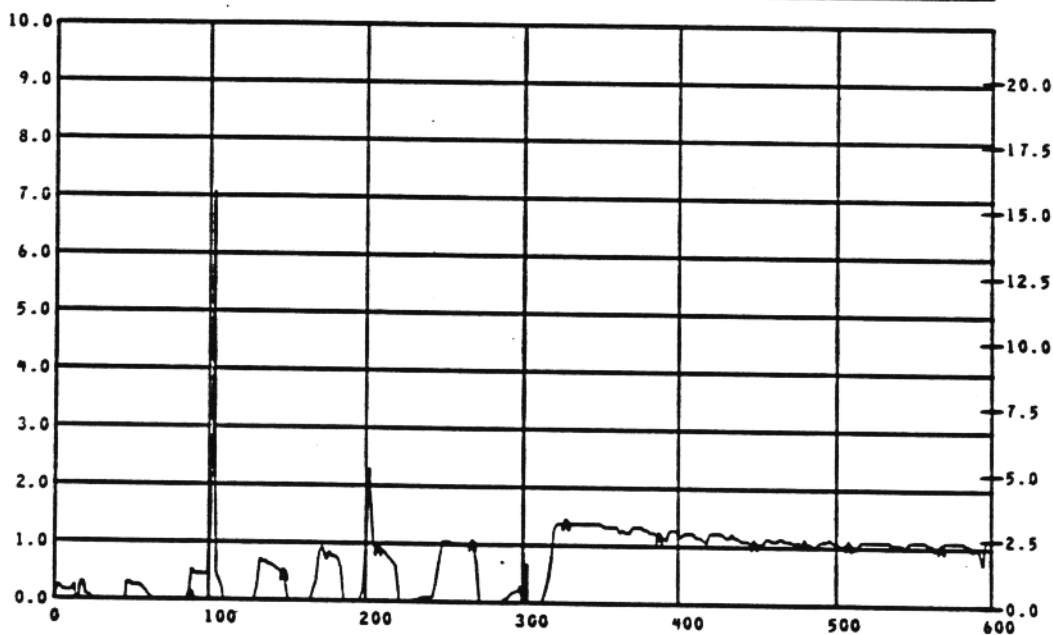
TEST ID NASA2

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 05 16.000



D
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L
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S

MEAS. NUMBER
\$ TLC
\$ WL

CHANNEL ASGN.
125
149

RELATIVE TIME IN SEC
TITLE
TEMP-LOAD CELL
WEIGHT LOSS

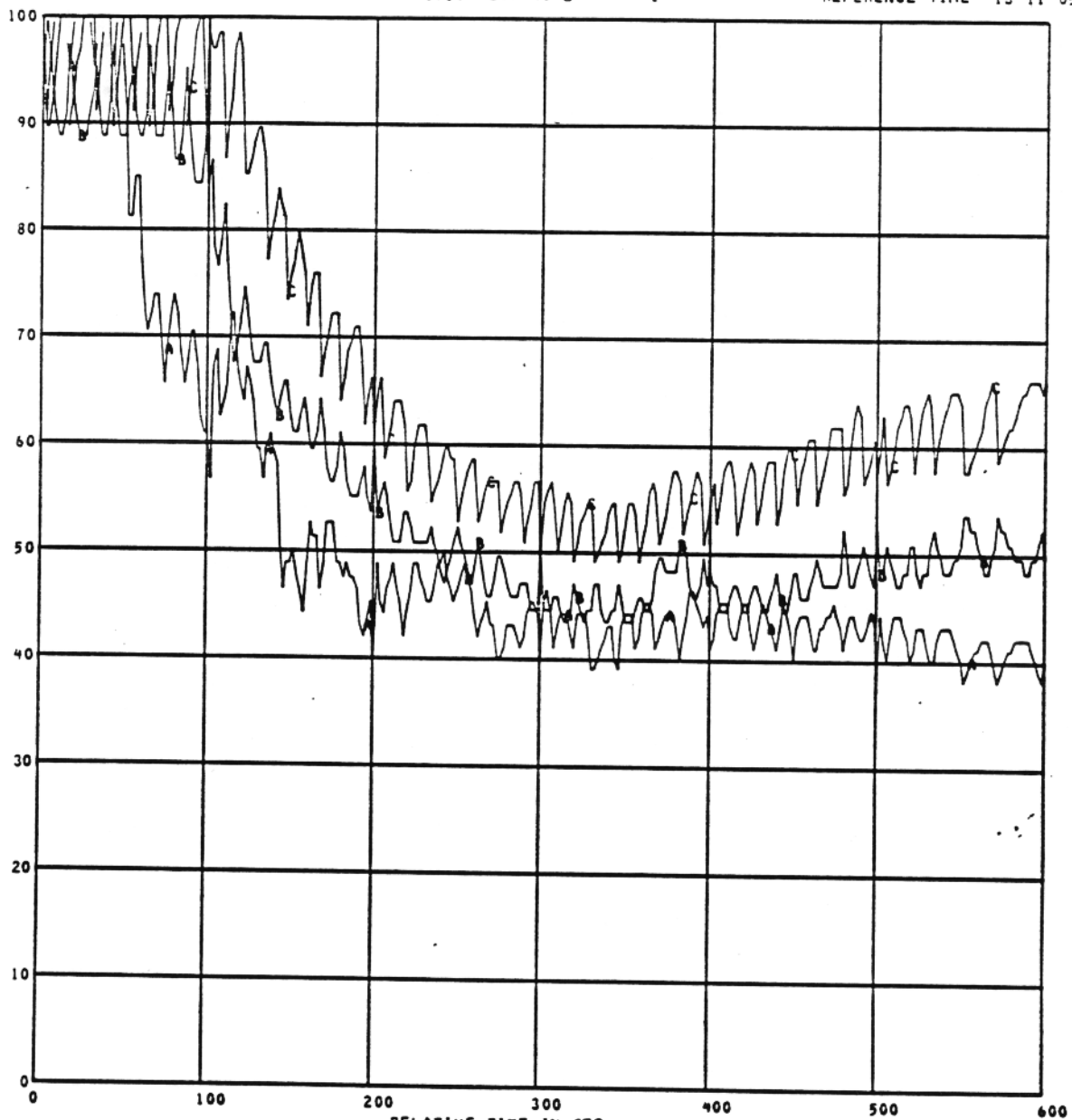
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 13 11 05.000

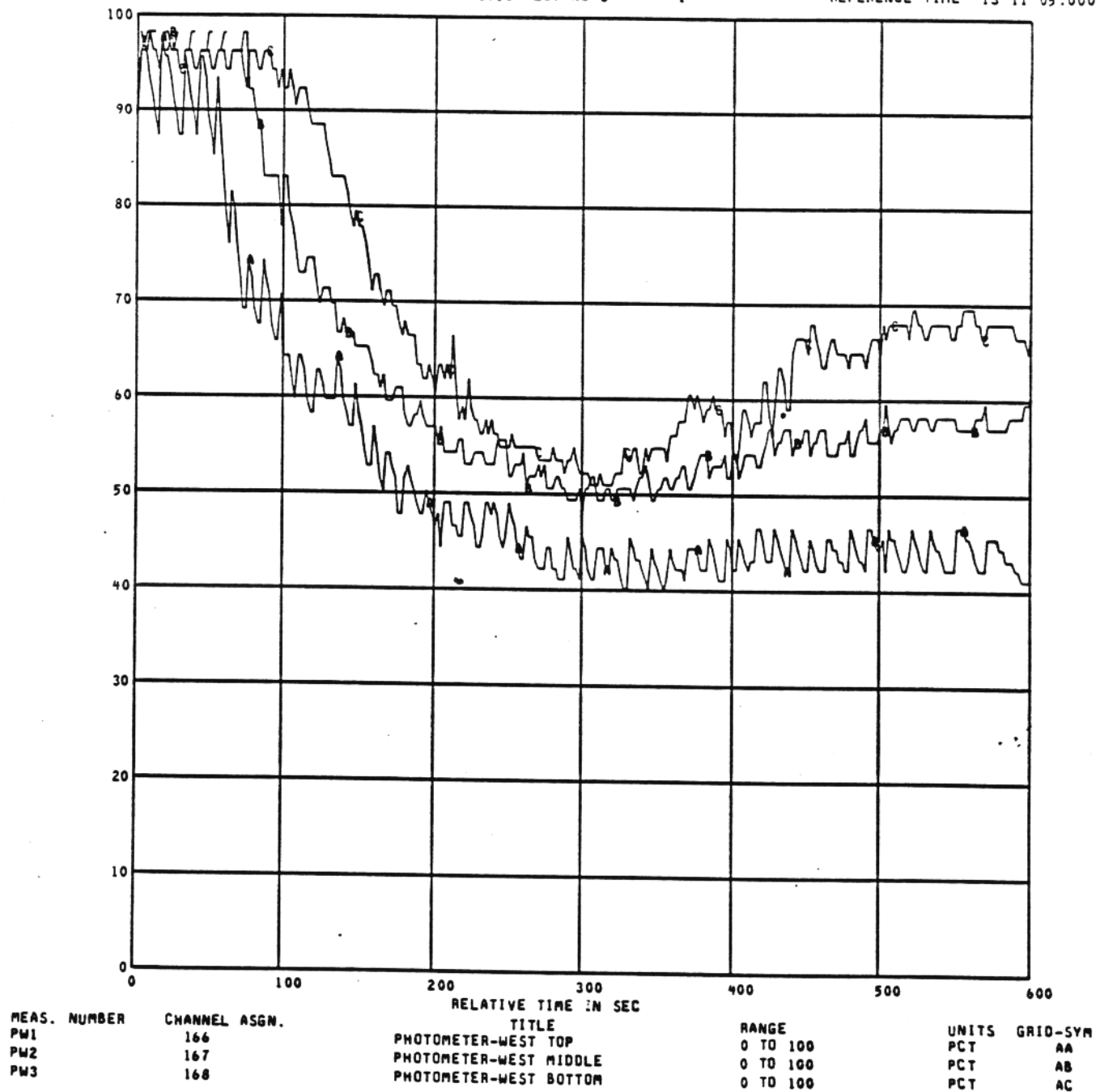


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 3 - 1

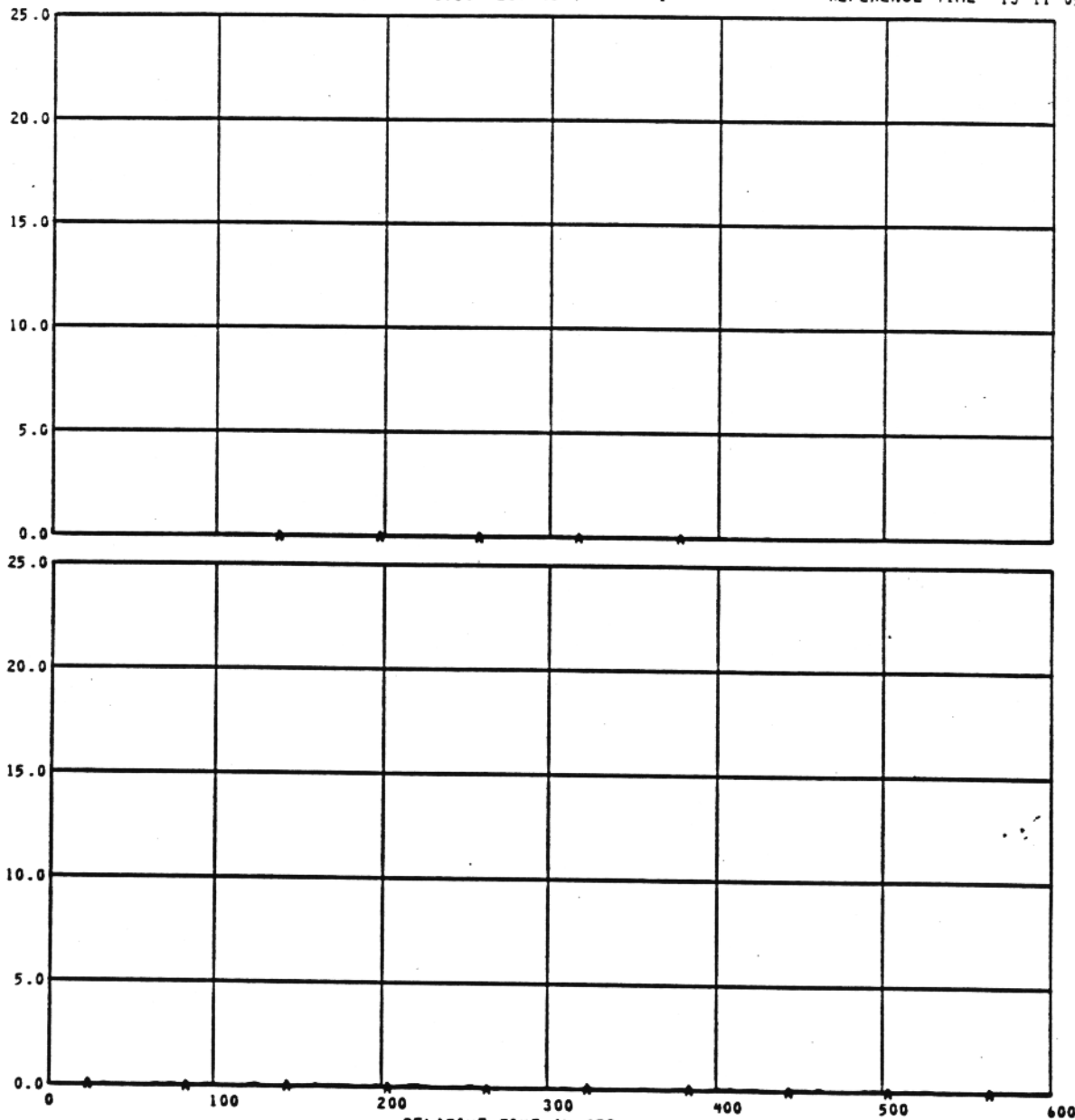
REFERENCE TIME 13 11 05.000



TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 13 11 05.000



MEAS. NUMBER
CHIE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

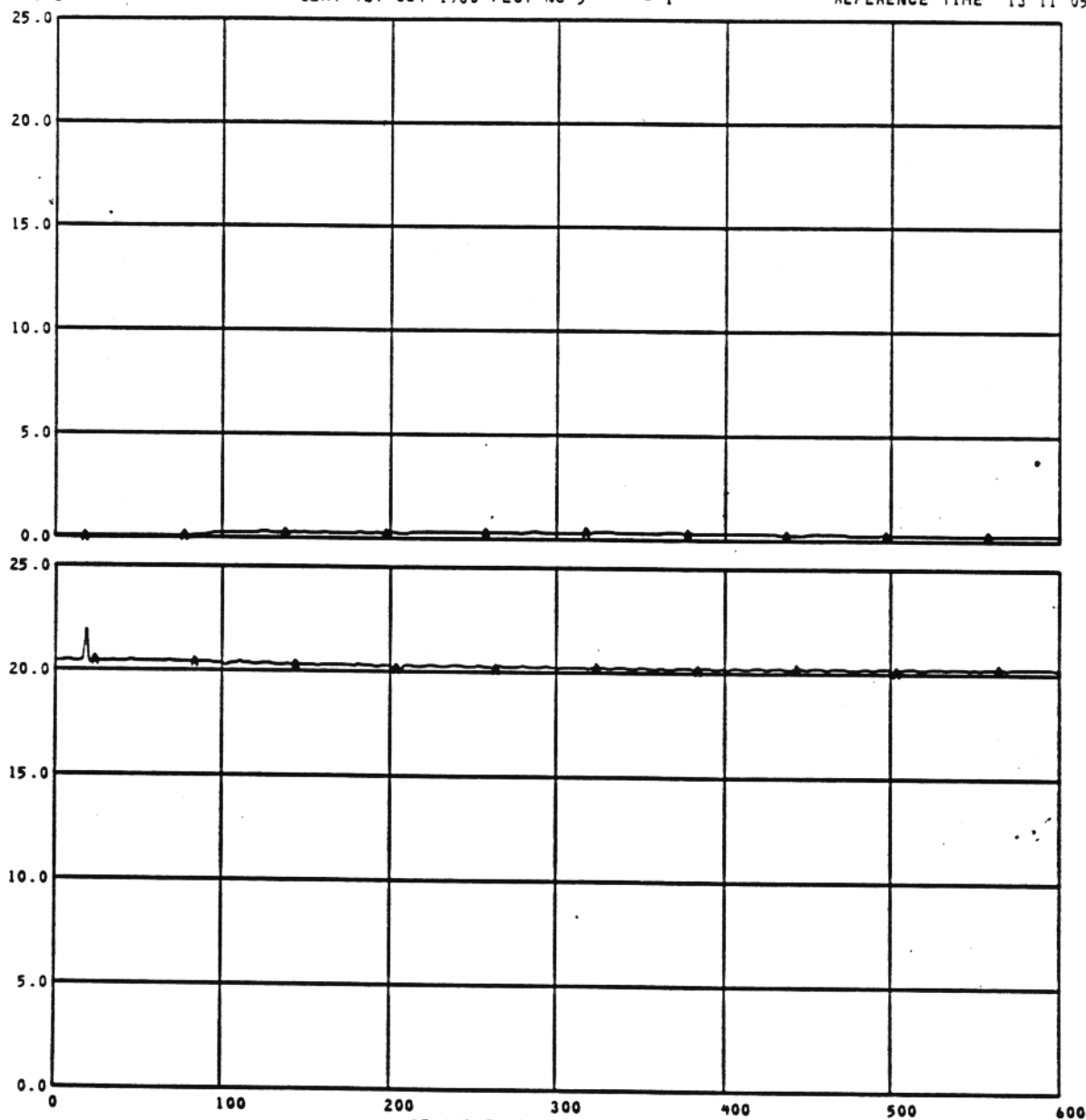
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 11 05.000



MEAS. NUMBER
CO2E
02E

CHANNEL ASGN.
090
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

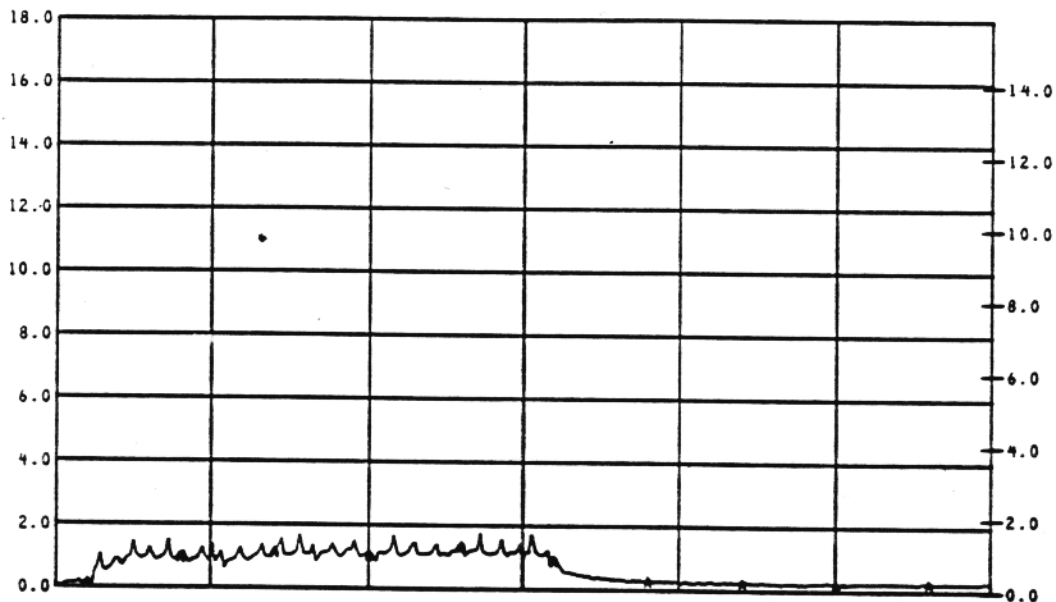
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

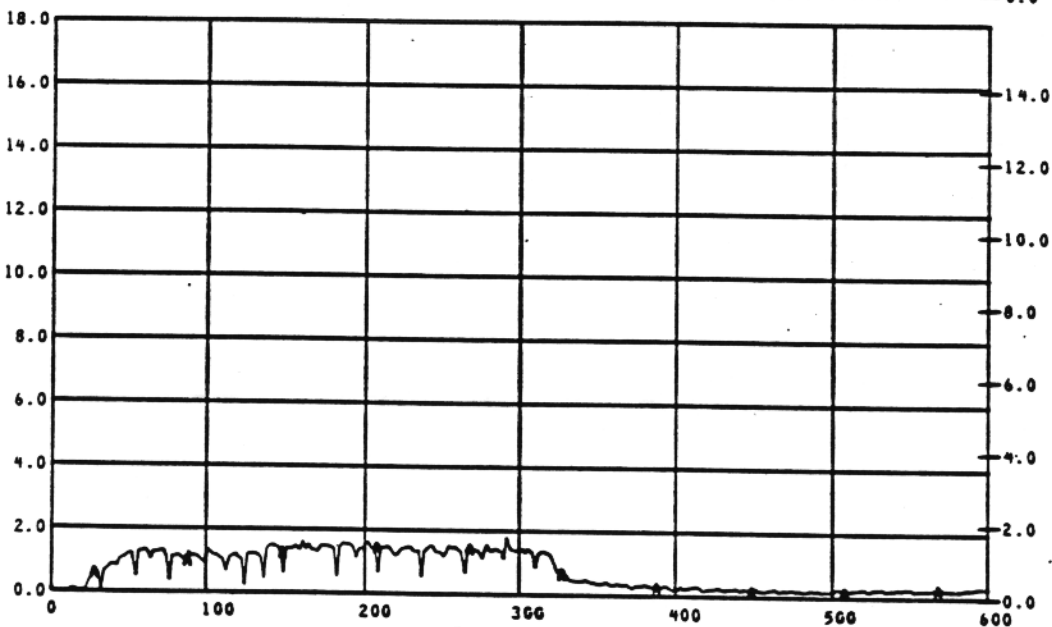
TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 11 05.000



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2



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F
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2

MEAS. NUMBER
\$ CU
\$ CL

CHANNEL ASGN.
150
151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

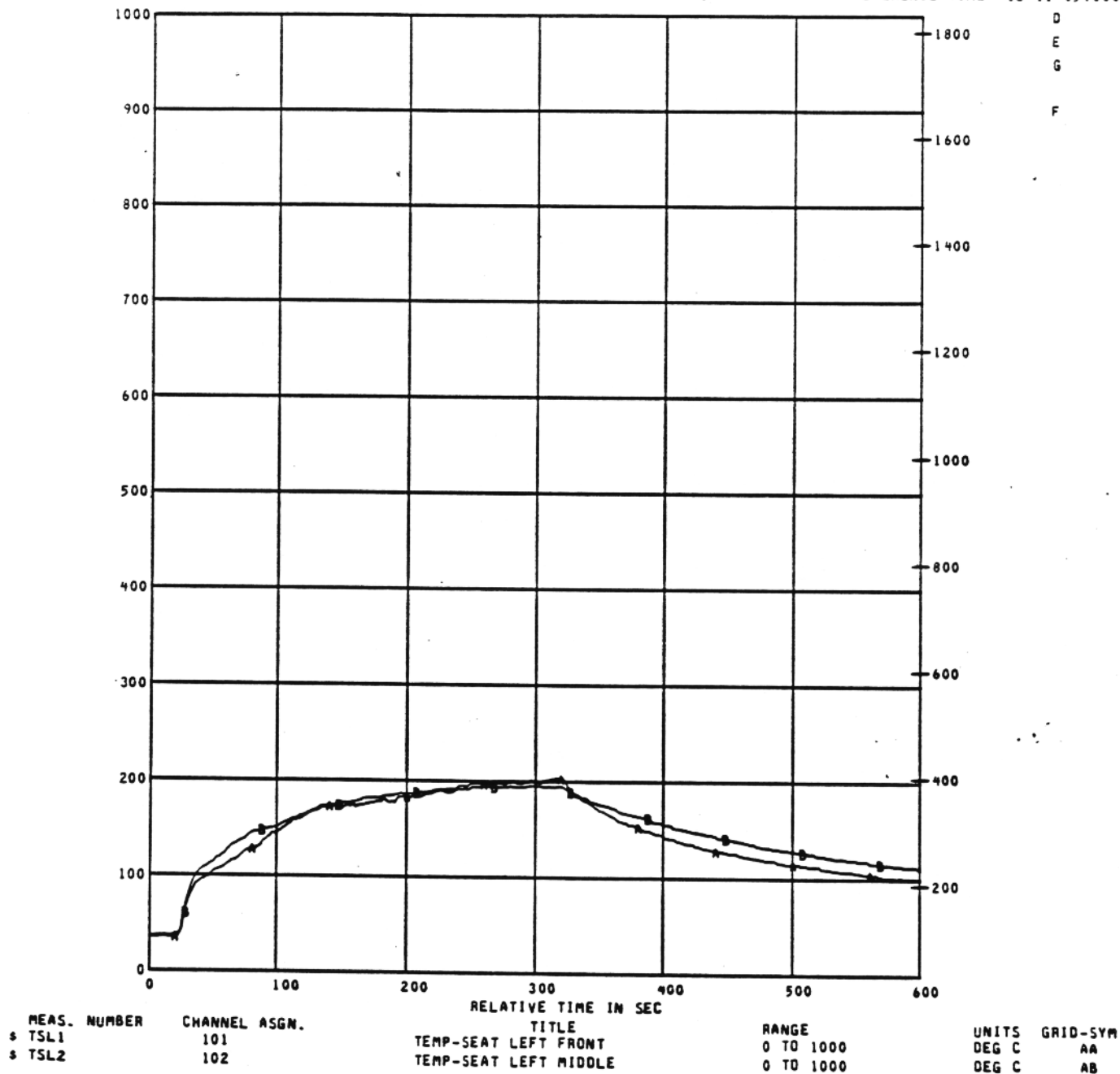
RANGE
0.0 TO 18.0
0.0 TO 18.0

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

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 7 - 1

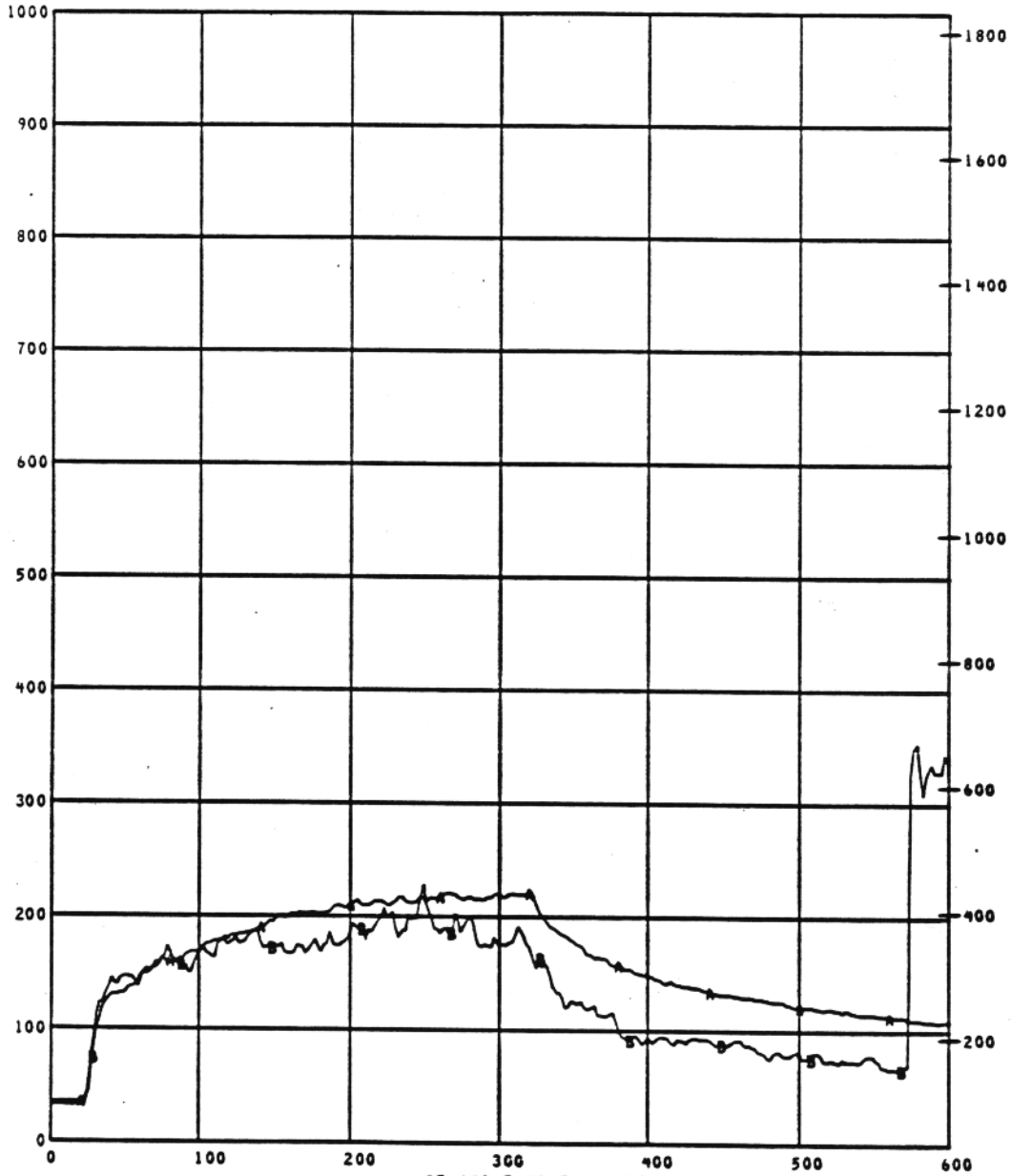
REFERENCE TIME 13 11 05.000



TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 13 11 05.000

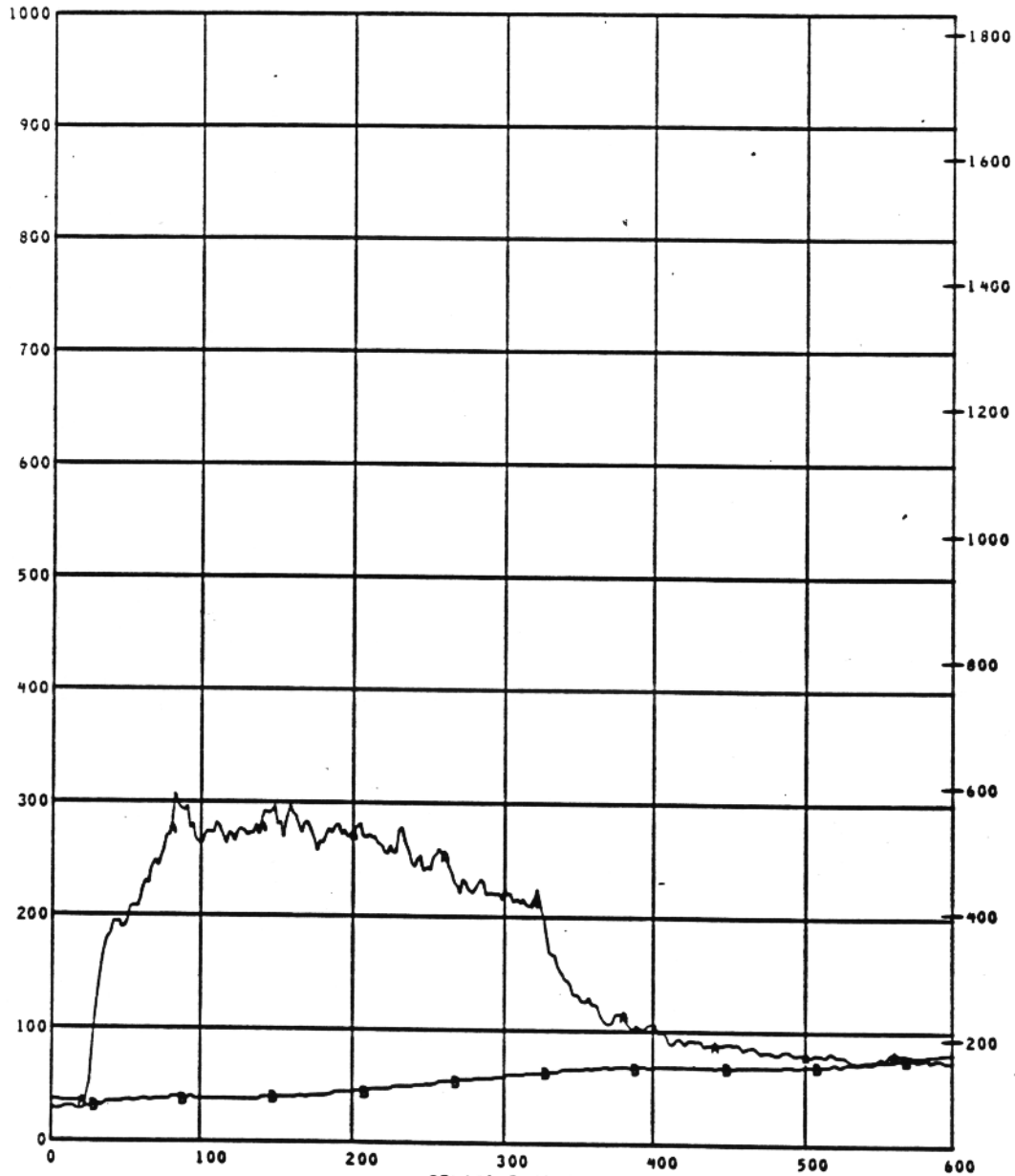


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
\$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 13 11 05.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSC2	105
\$ TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

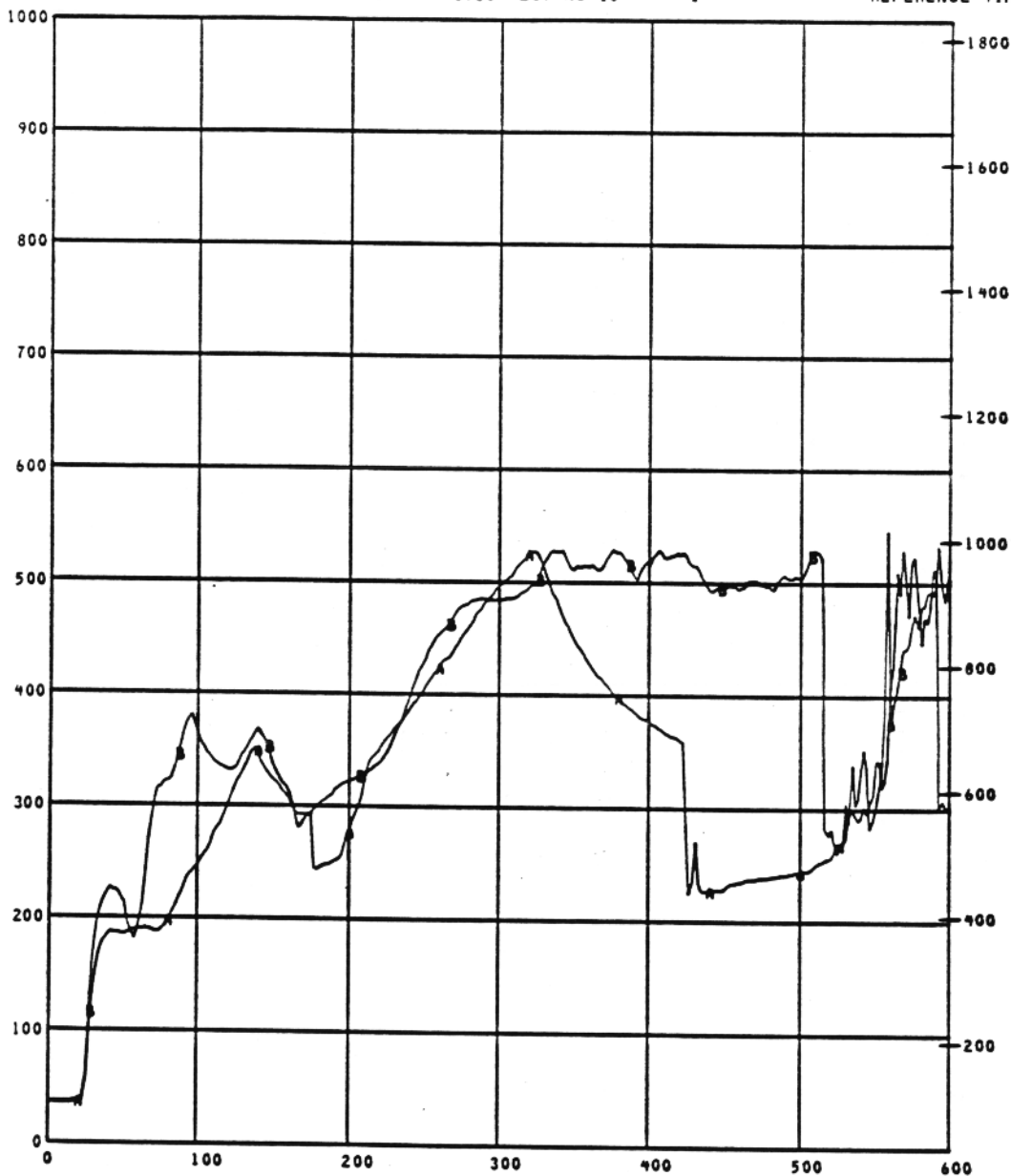
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 11 05.000

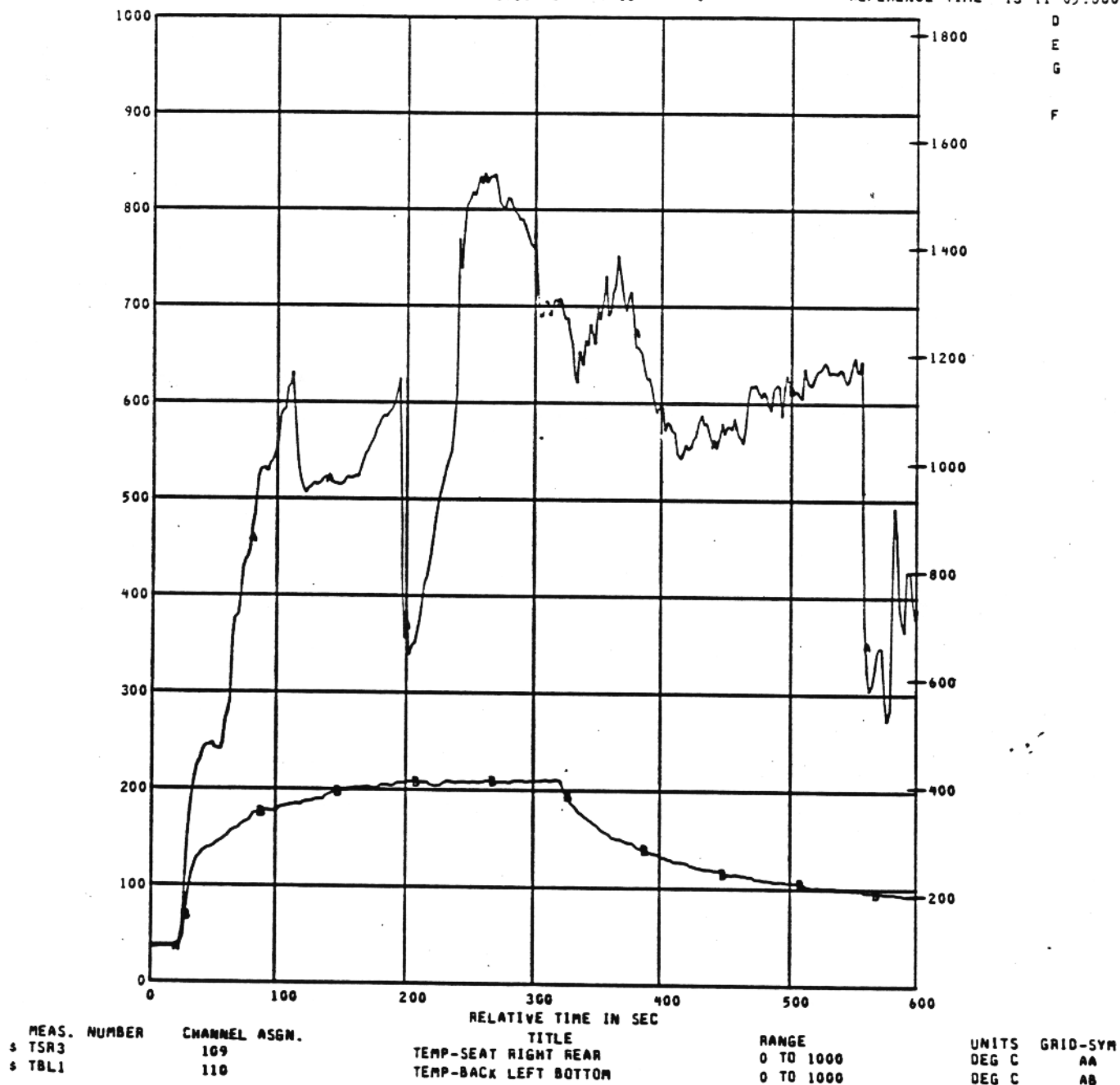


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
\$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-0CT 1980 PLCT NO 11 - 1

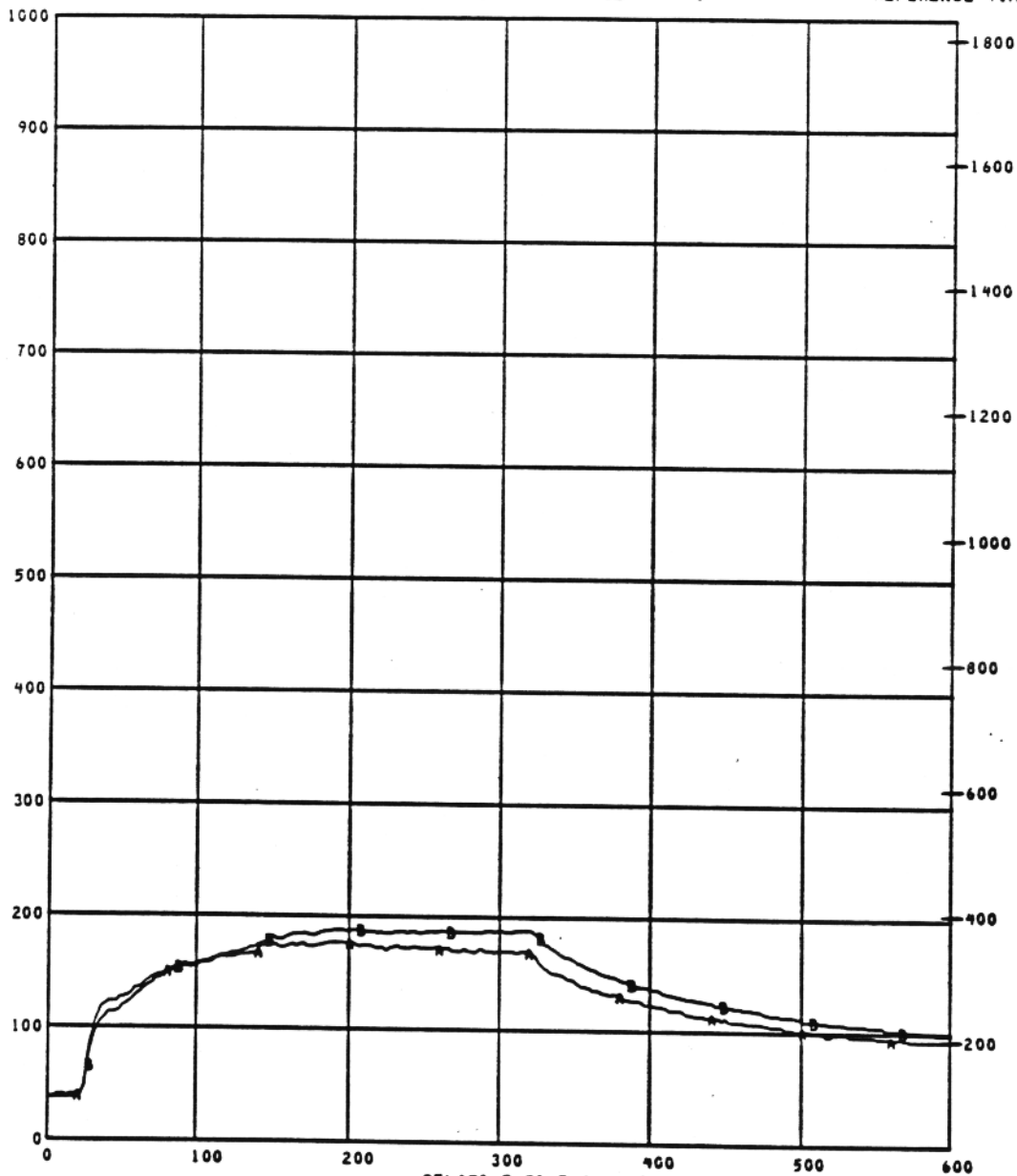
REFERENCE TIME 13 11 05.000



TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 11 05.000



MEAS. NUMBER
\$ TBL2
\$ TBL3

CHANNEL ASGN.
111
112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

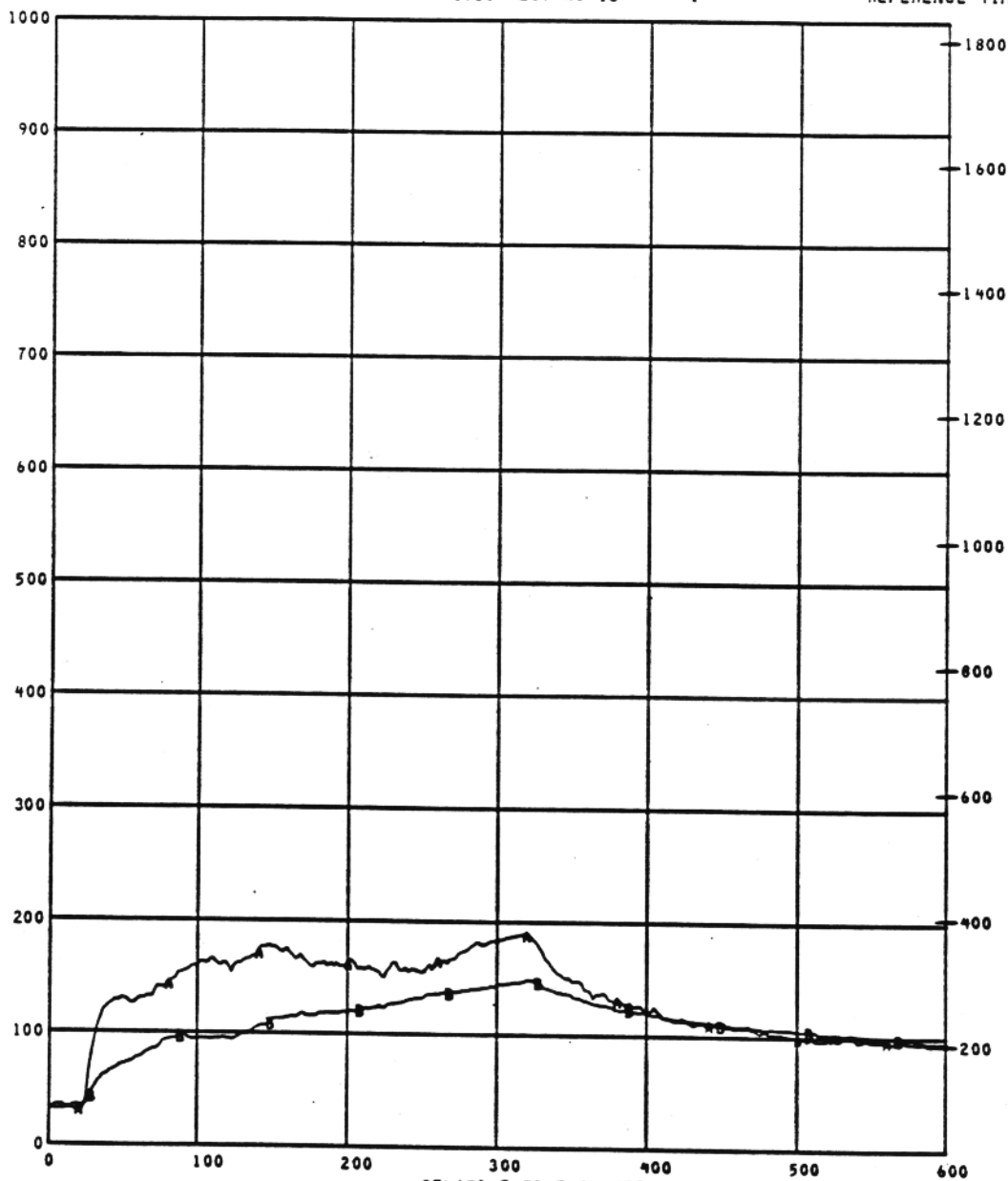
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 13 11 05.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBC1	113
\$ TBC2	114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

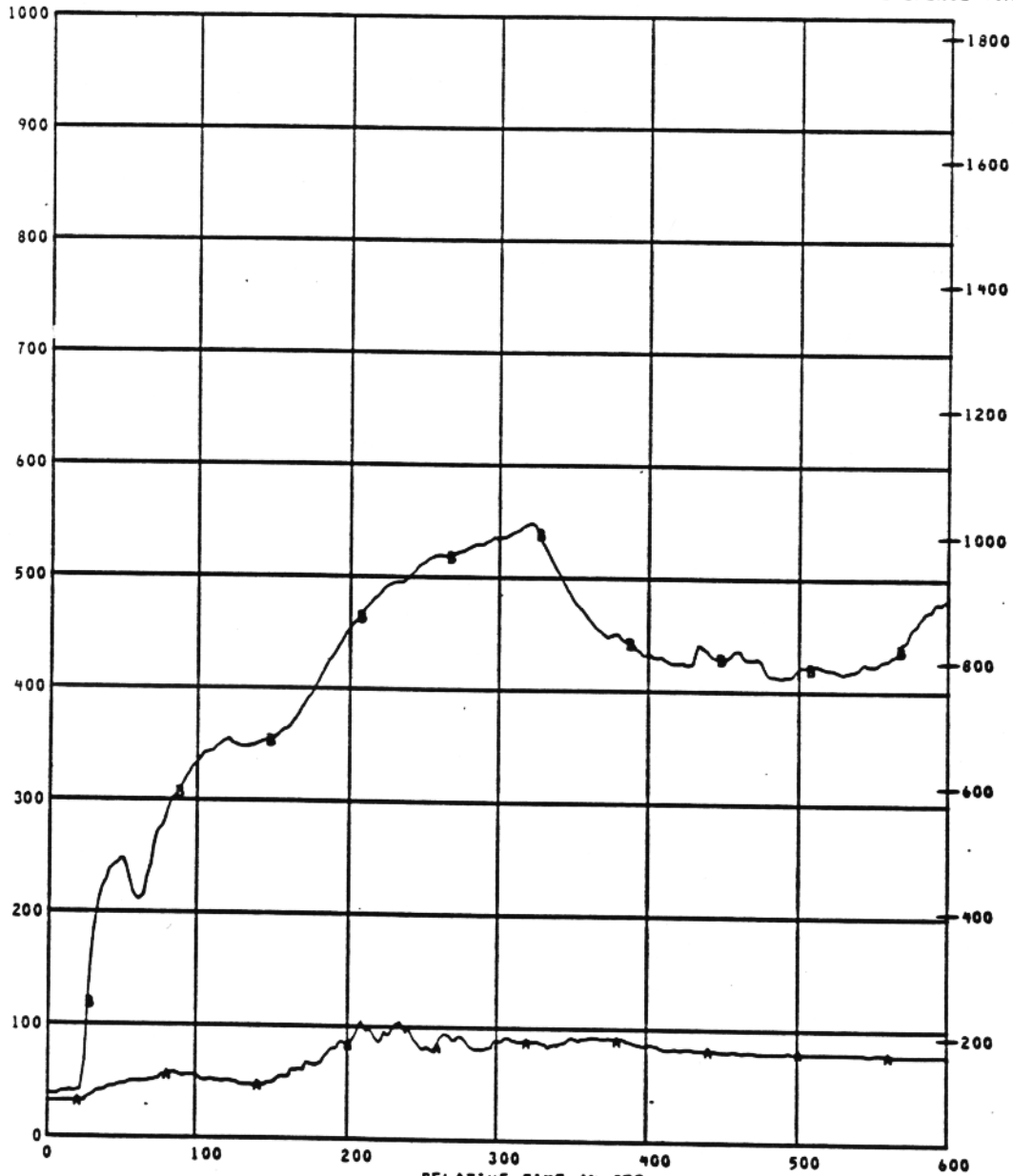
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 13 11 05.000



MEAS. NUMBER
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

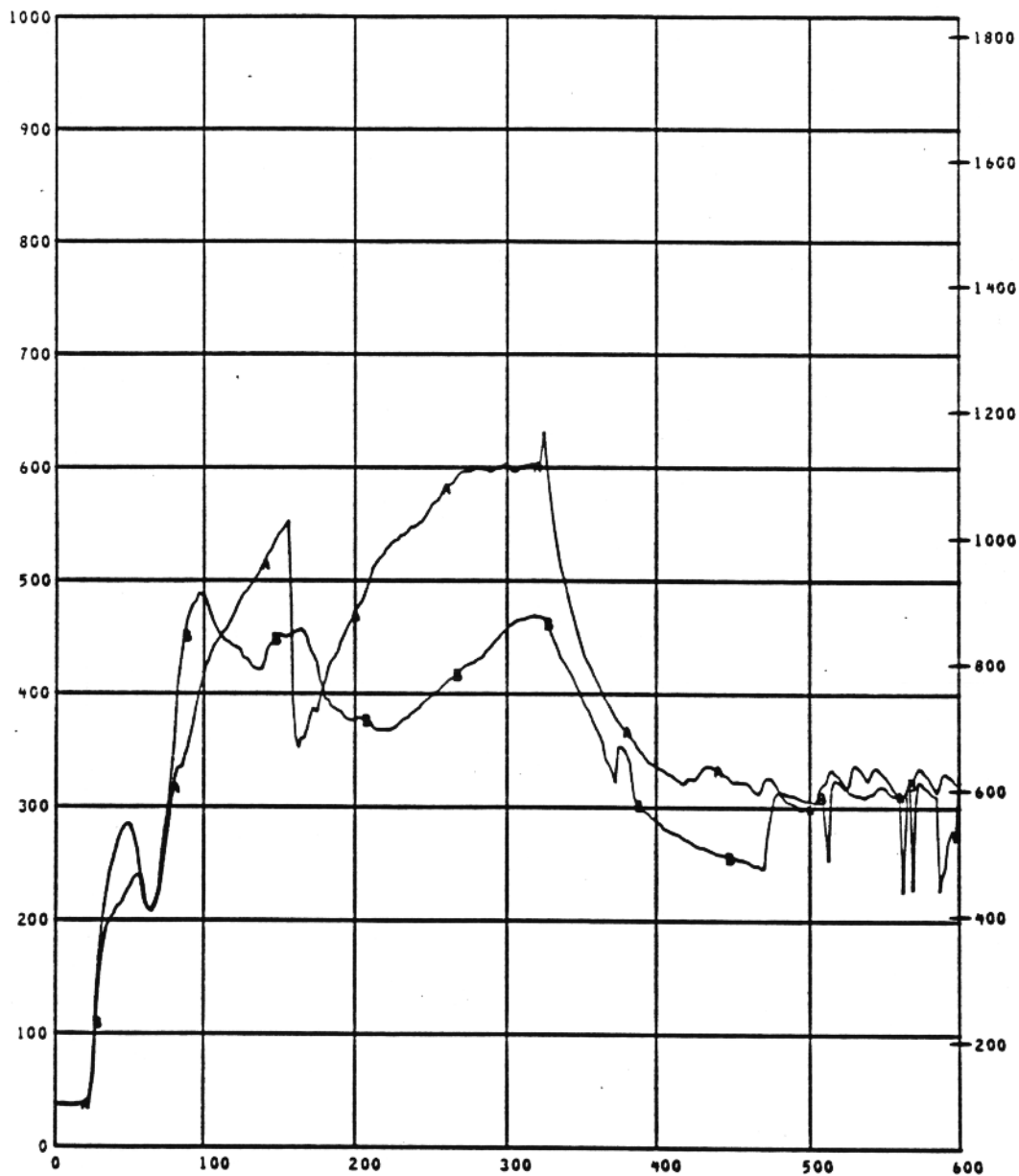
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO.15 - 1

REFERENCE TIME 13 11 05.000

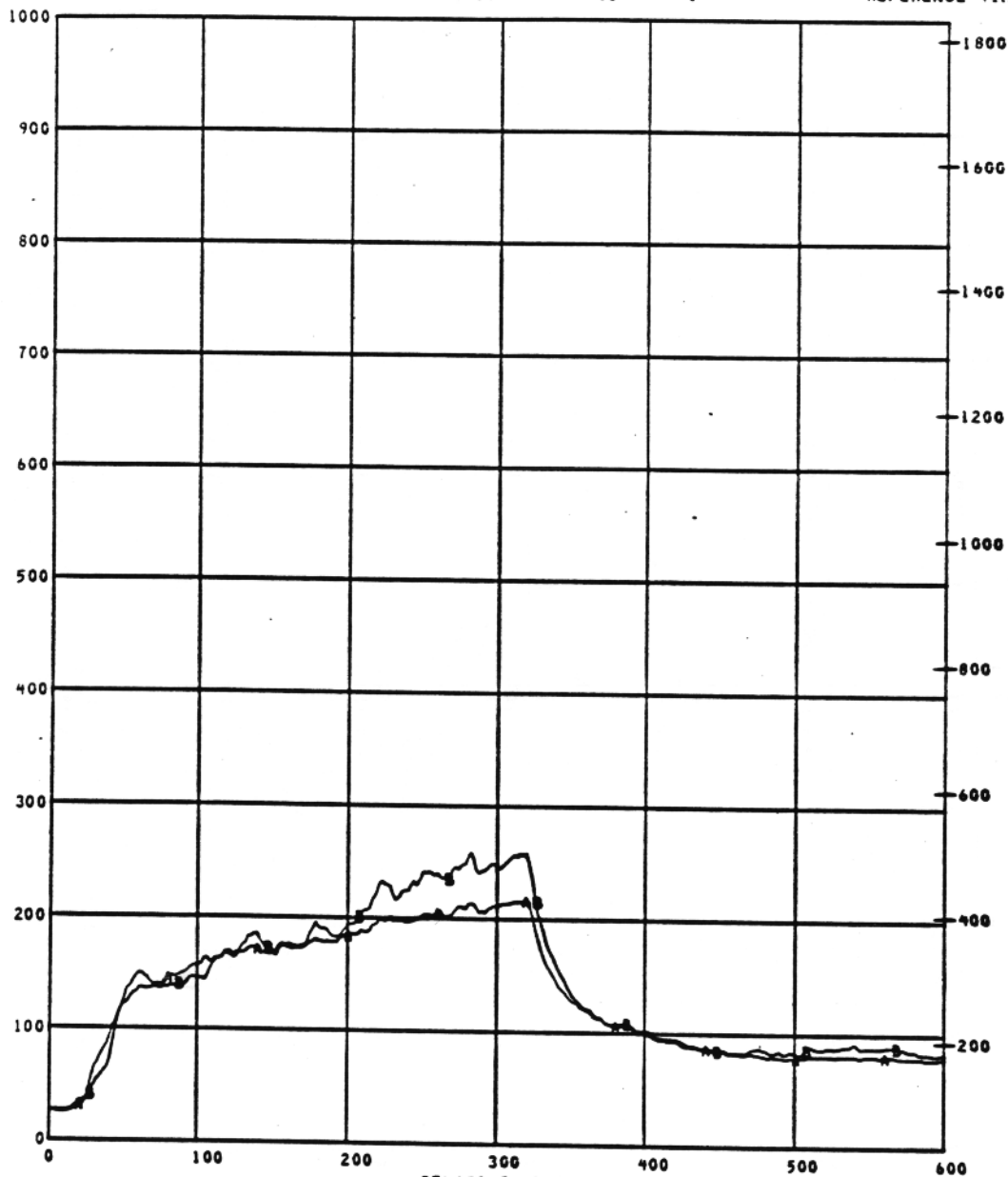


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
\$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLQT NO 16 - 1

REFERENCE TIME 13 11 05.000

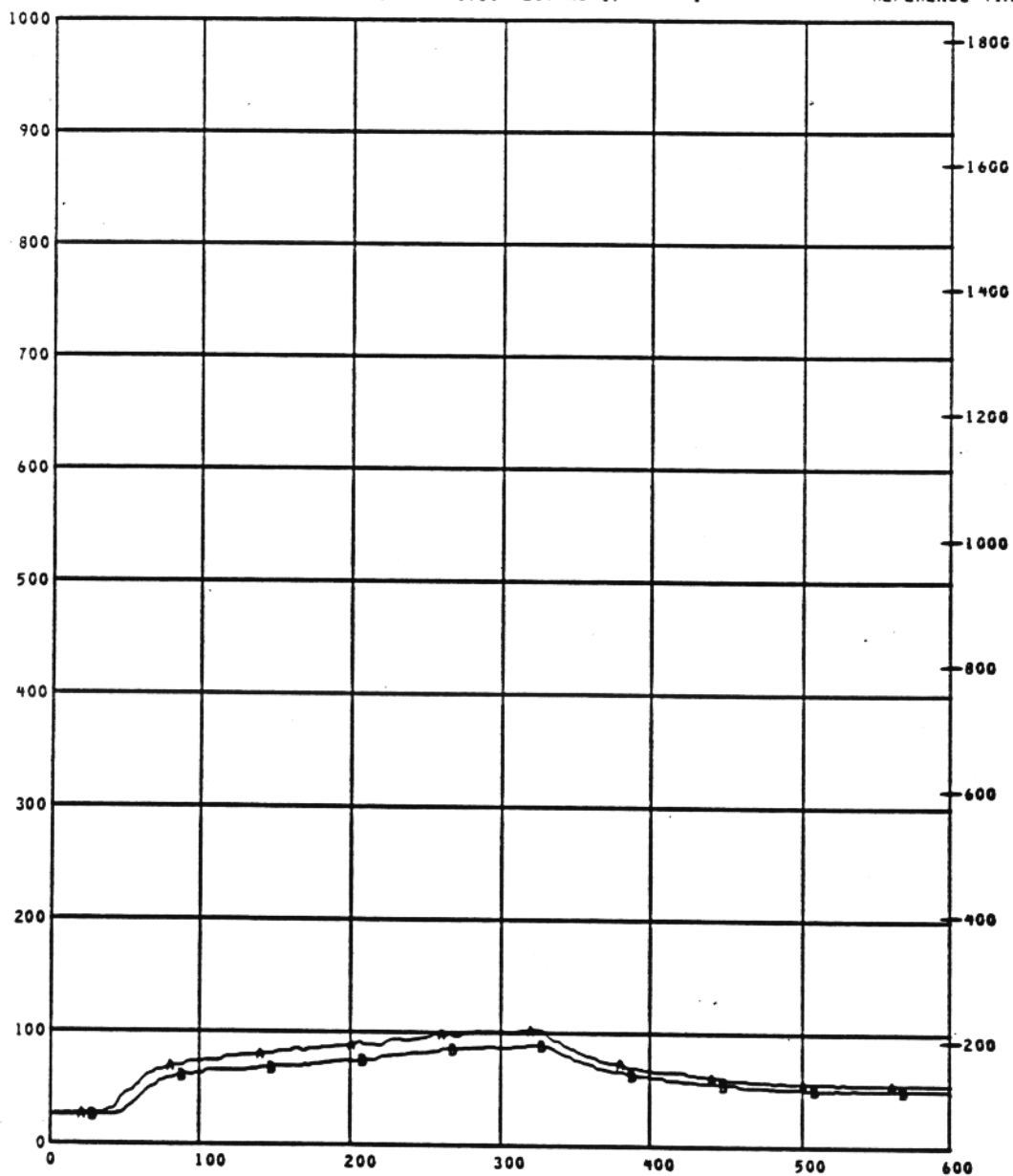


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
\$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 13 11 05.000



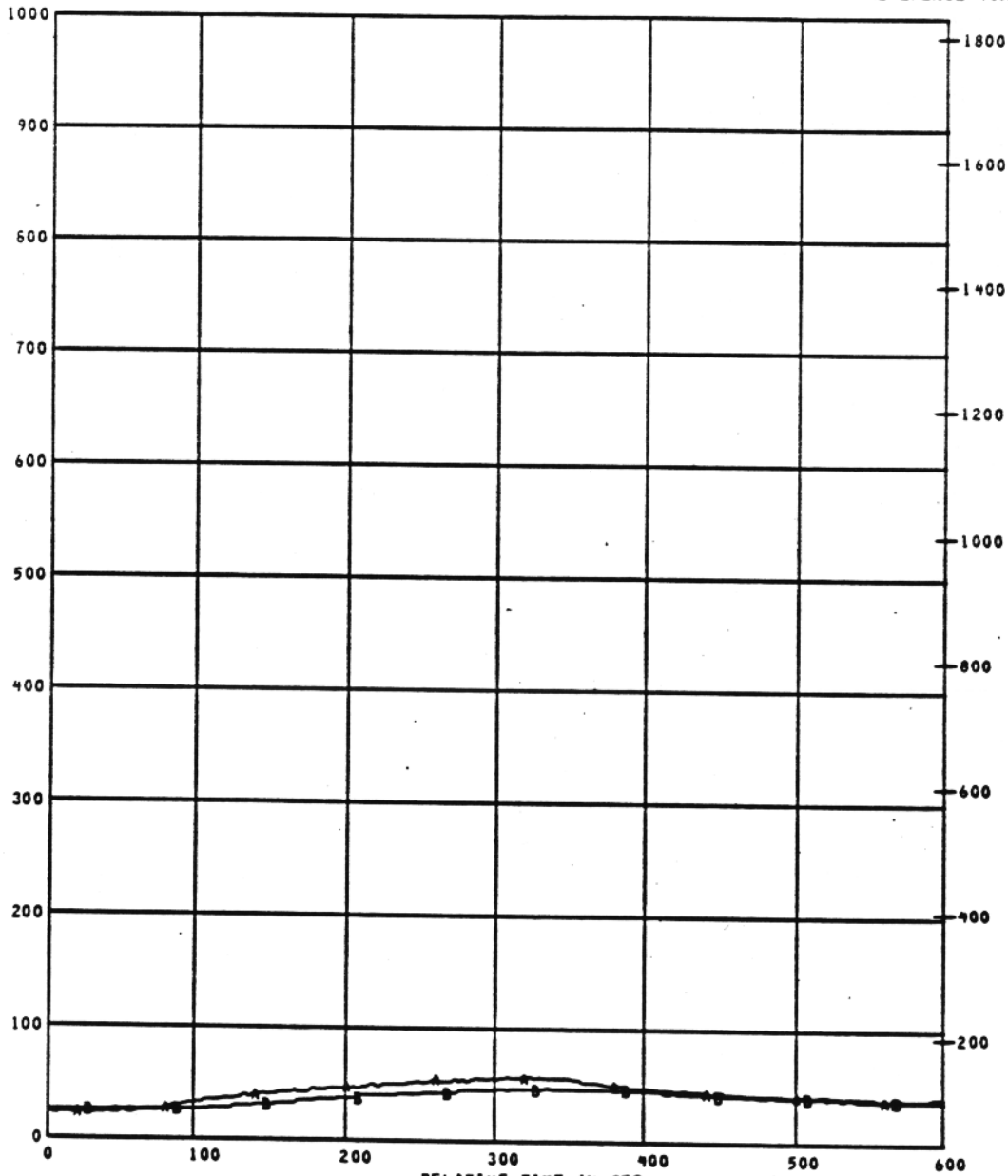
D
E
G
F

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



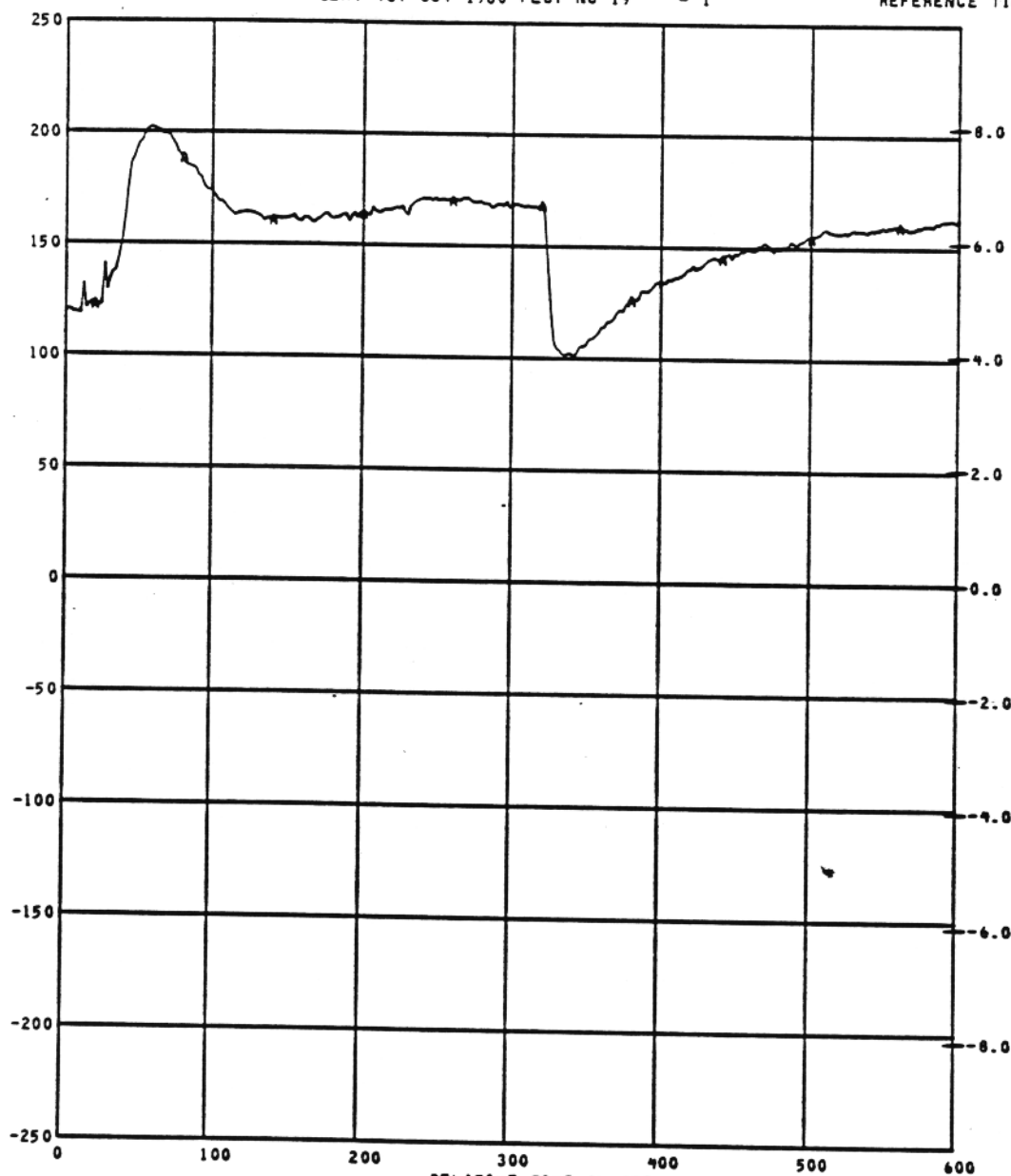
D
E
G
F

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 NASA3

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 11 05.000



I
M
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MEAS. NUMBER
s DPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

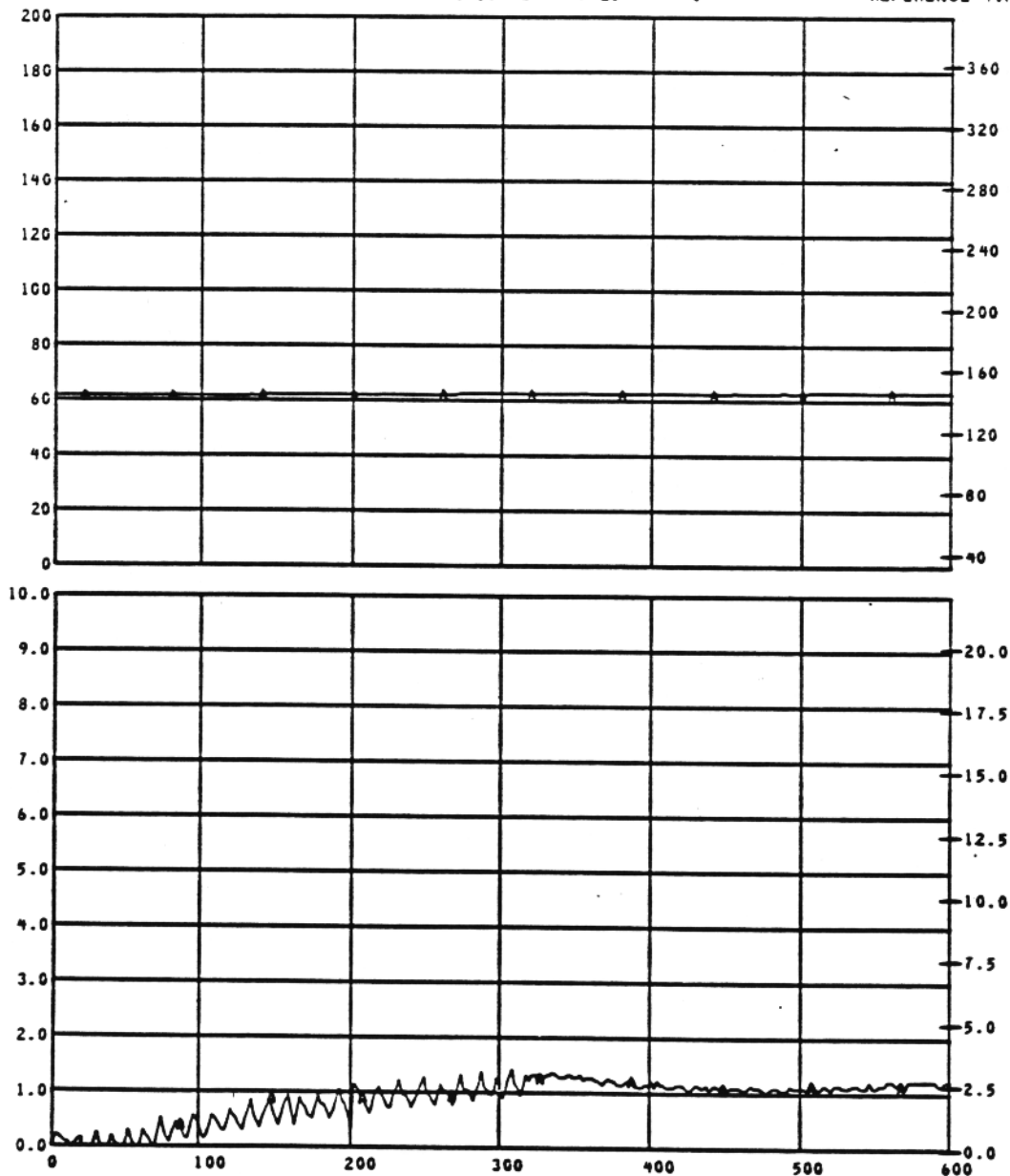
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

TEST ID NASA3

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 13 11 05.000



D
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G
F

L
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S

MEAS. NUMBER CHANNEL ASGN.
\$ TLC 125
\$ WL 149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

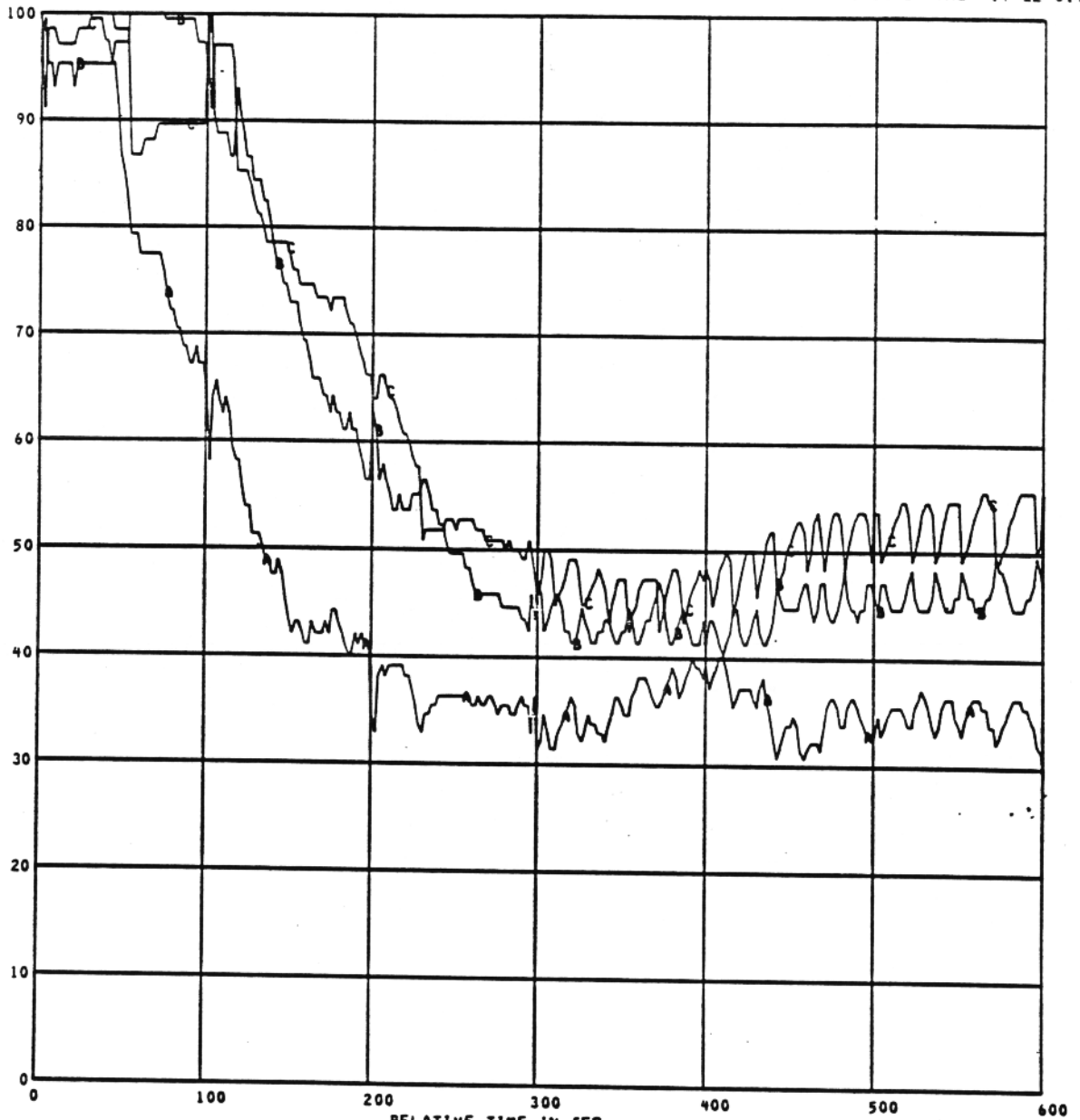
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 14 22 01.000

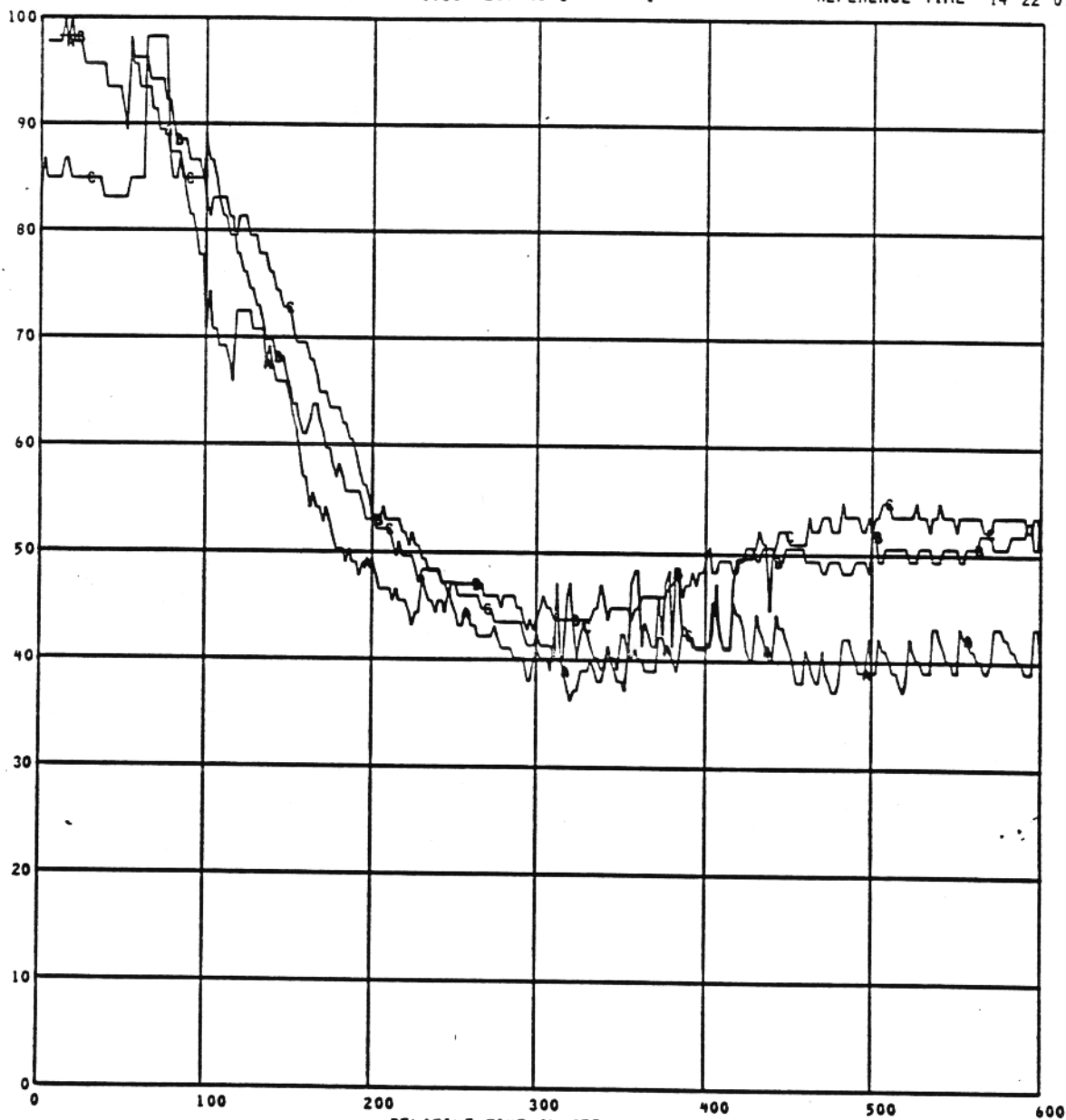


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 14 22 01.000



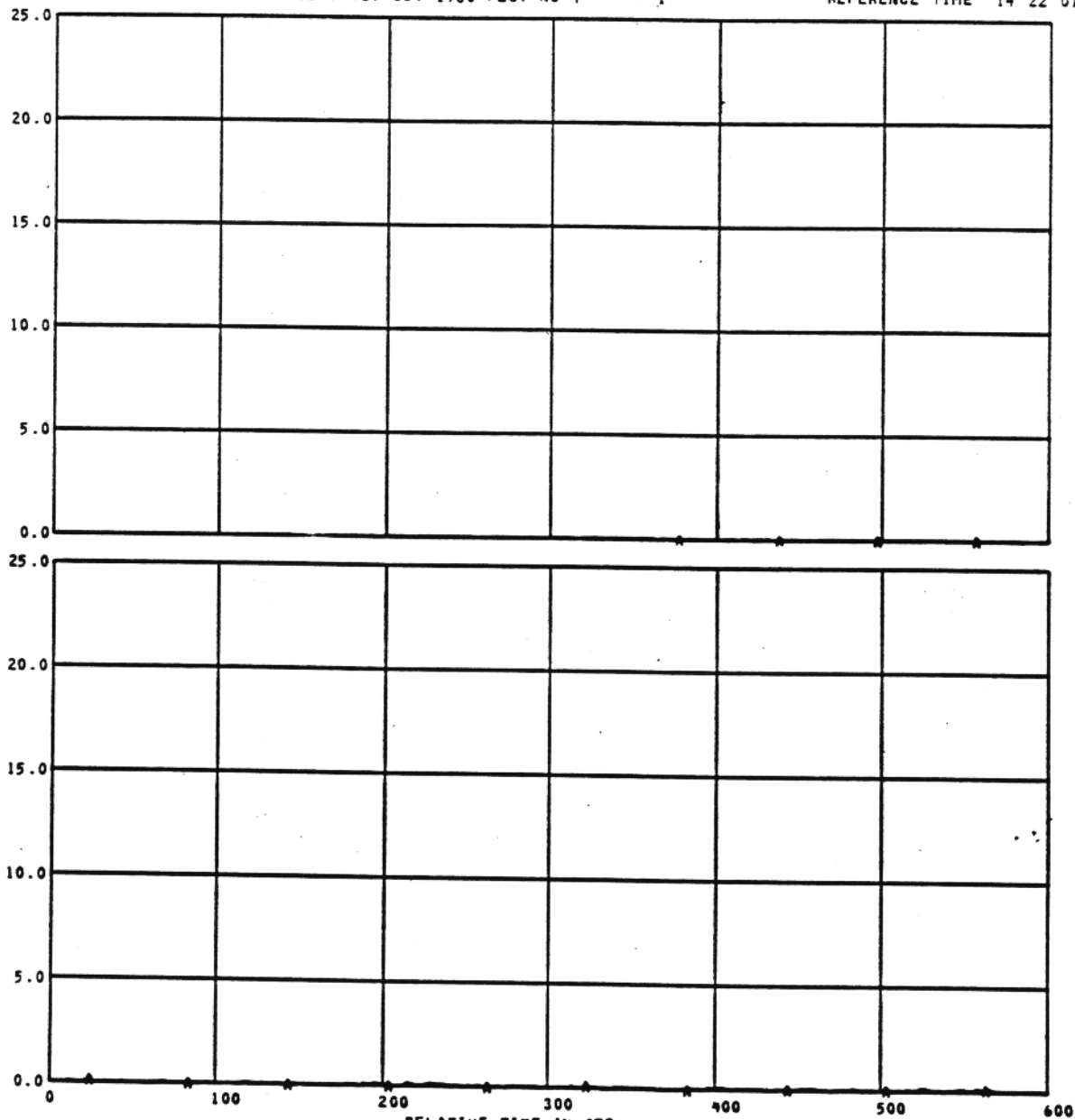
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 4

- 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
089

RELATIVE TIME IN SEC
TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

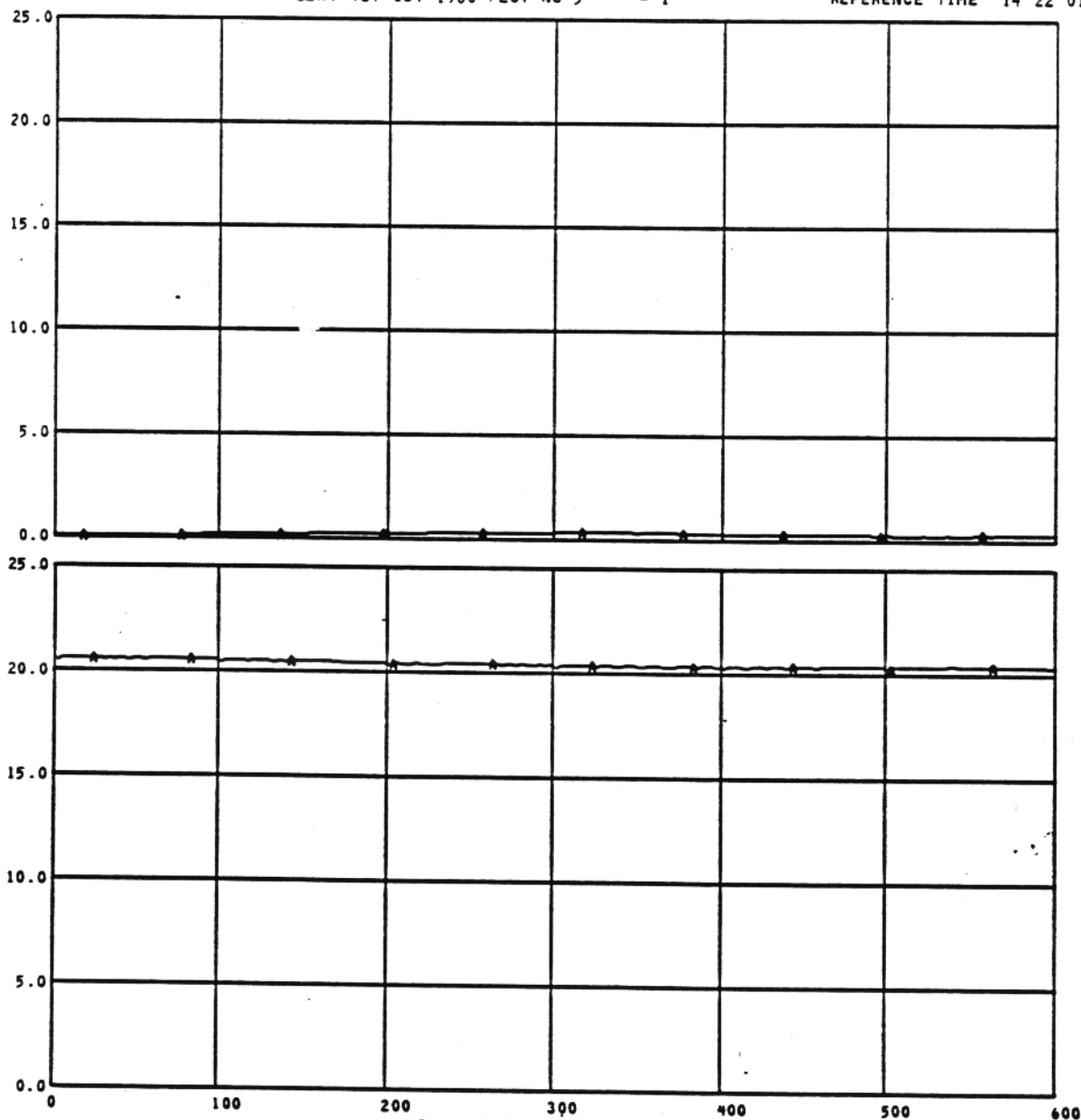
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER
CO2E
O2E

CHANNEL ASGN.
090
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

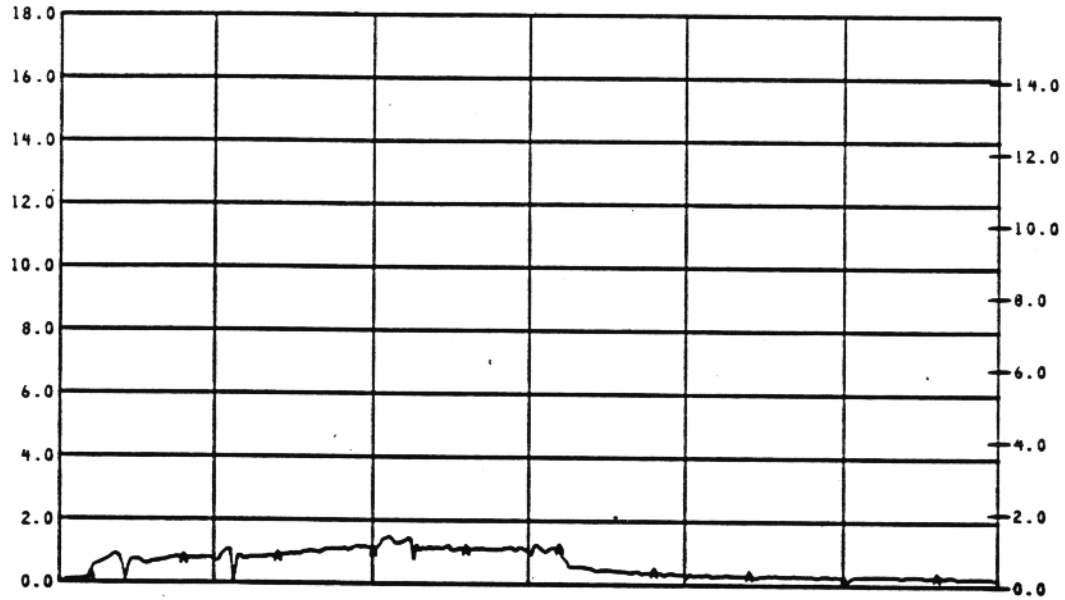
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

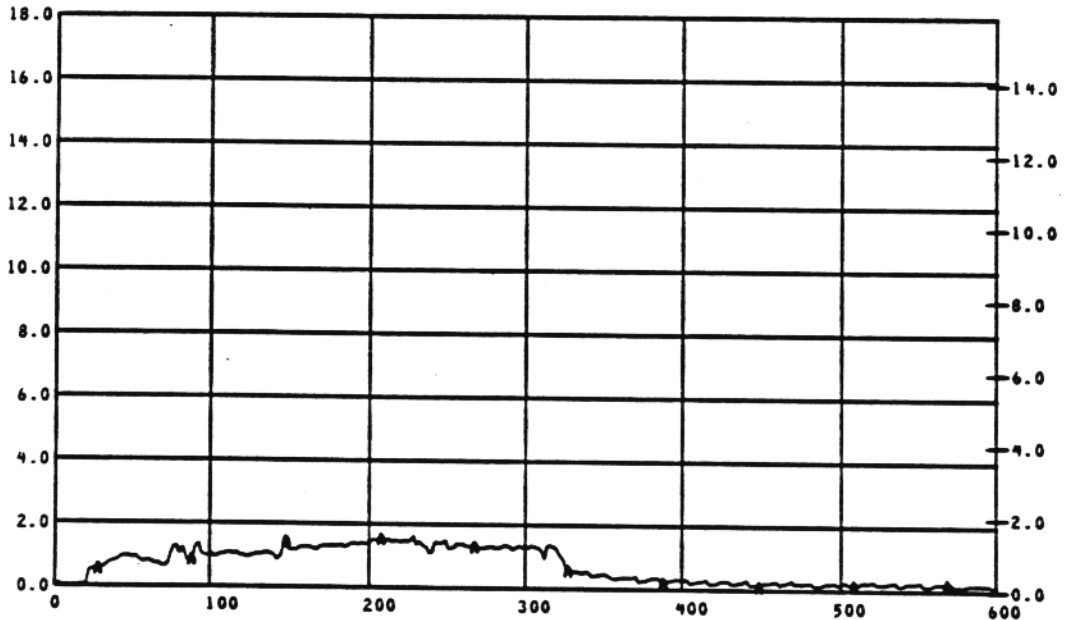
TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 14 22 01.000



B
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B
T
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F
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^2

MEAS. NUMBER	CHANNEL ASGN.
* CU	150
* CL	151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

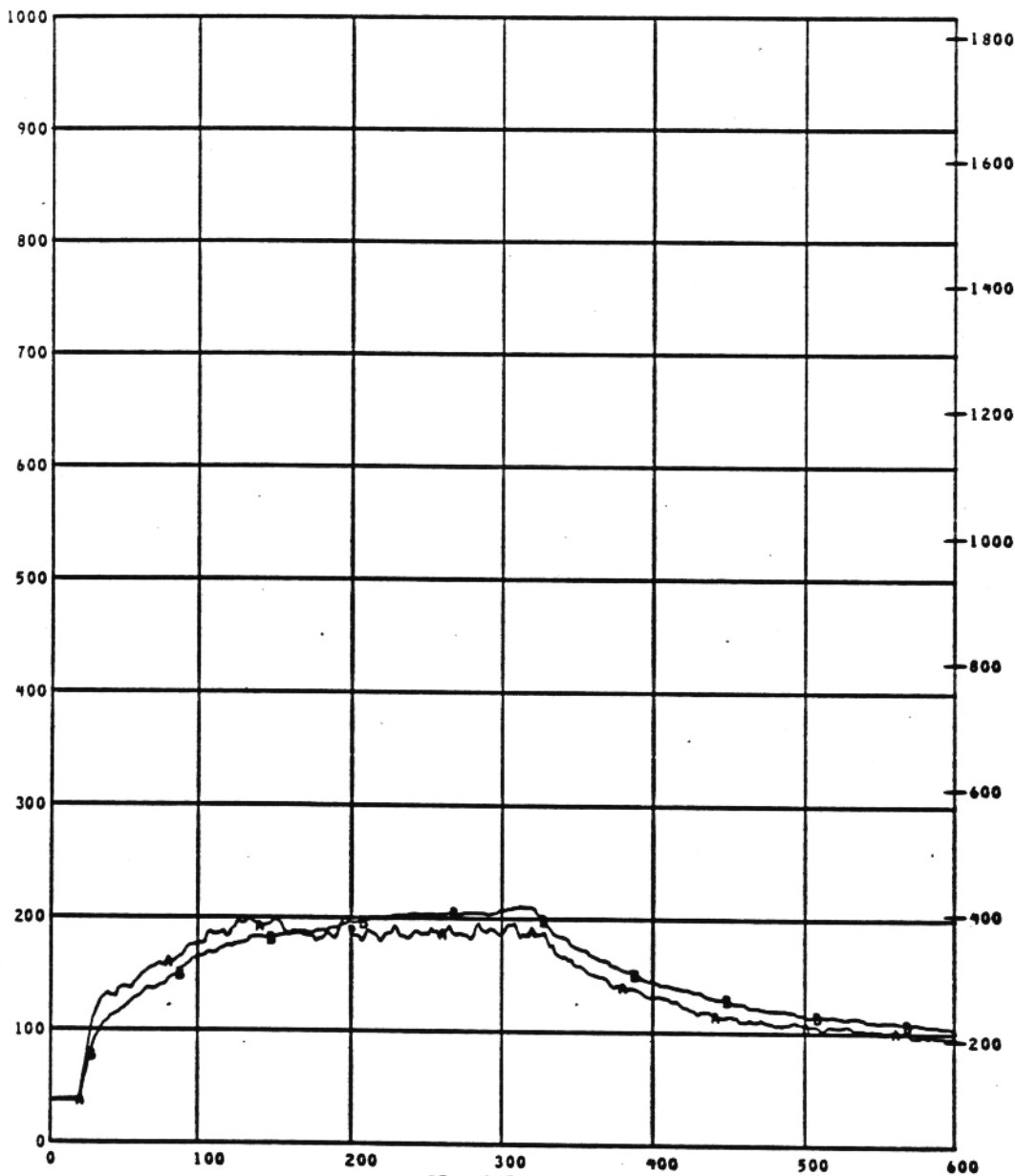
RANGE
0.0 TO 18.0
0.0 TO 18.0

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

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 14 22 01.000



D
E
G
F

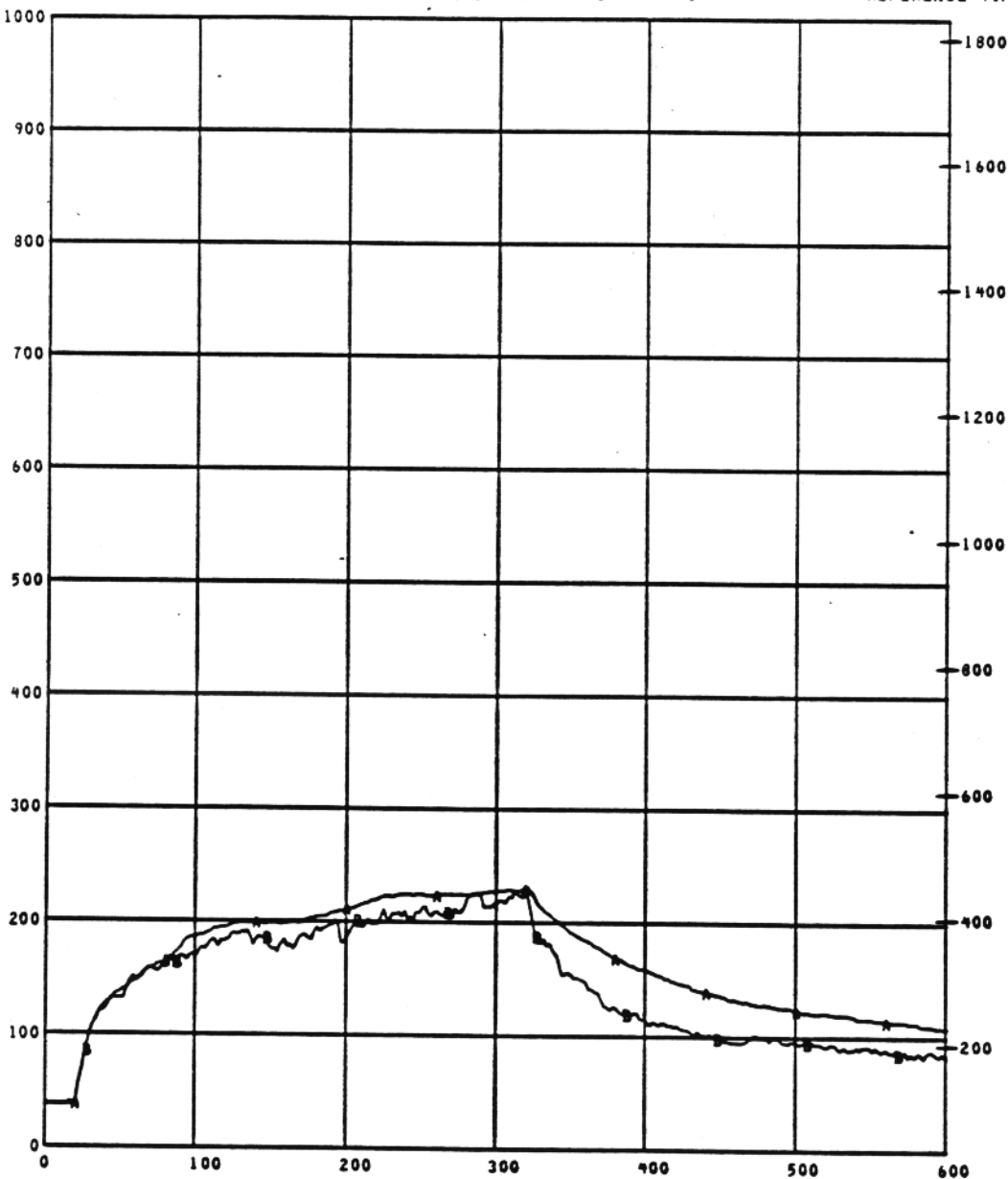
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
\$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 8

- 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

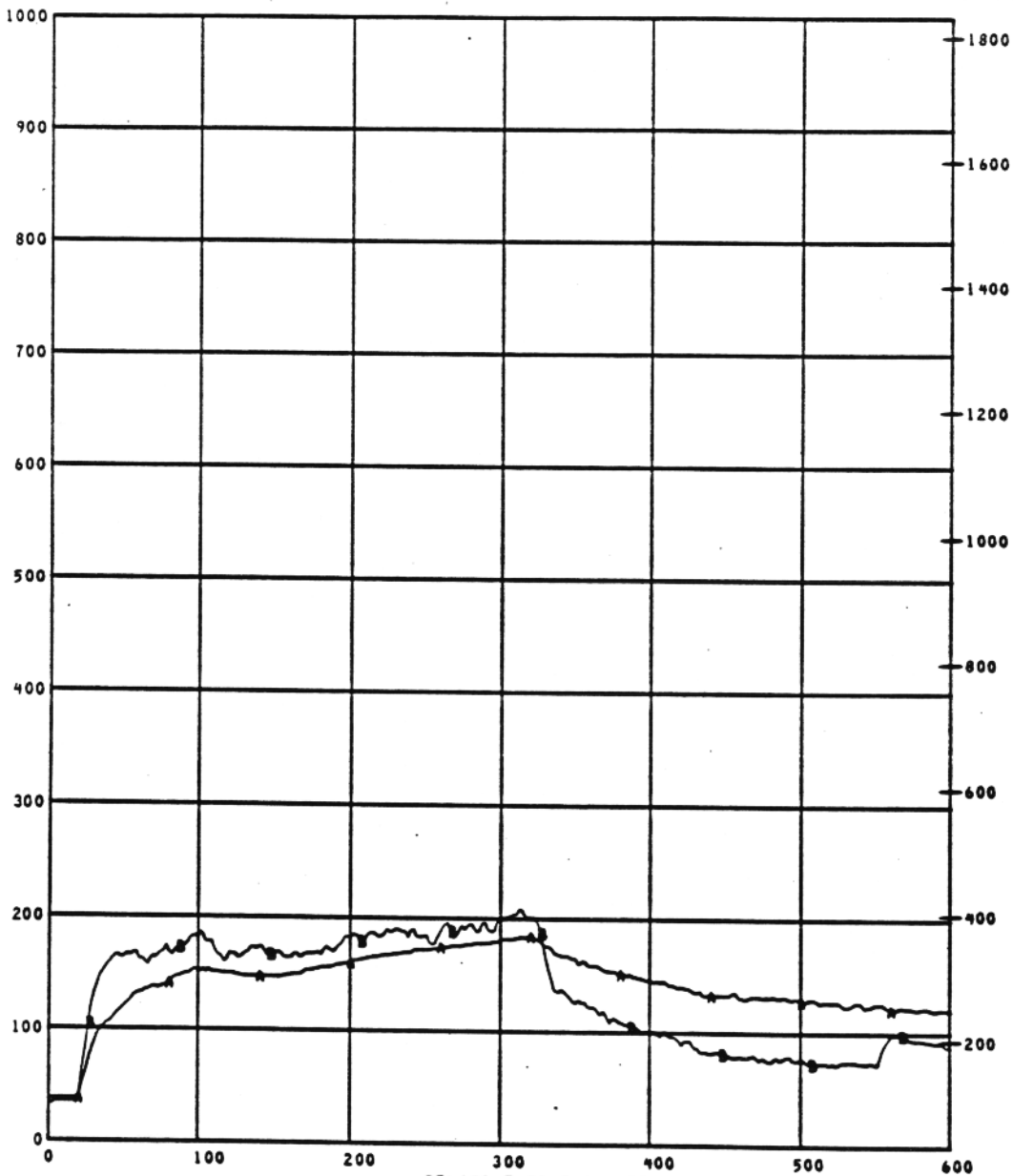
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 14 22 01.000

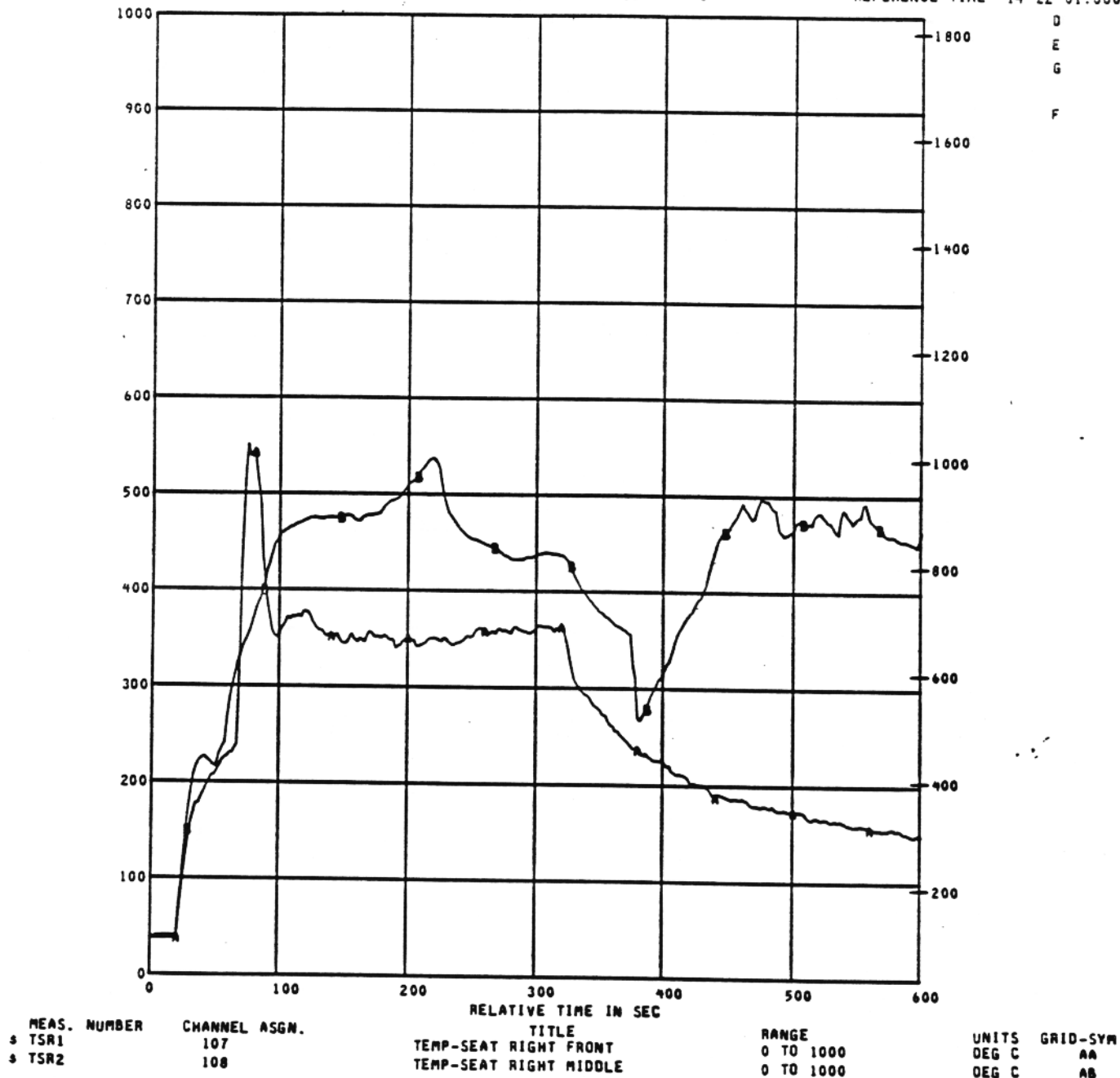


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
\$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 10 - 1

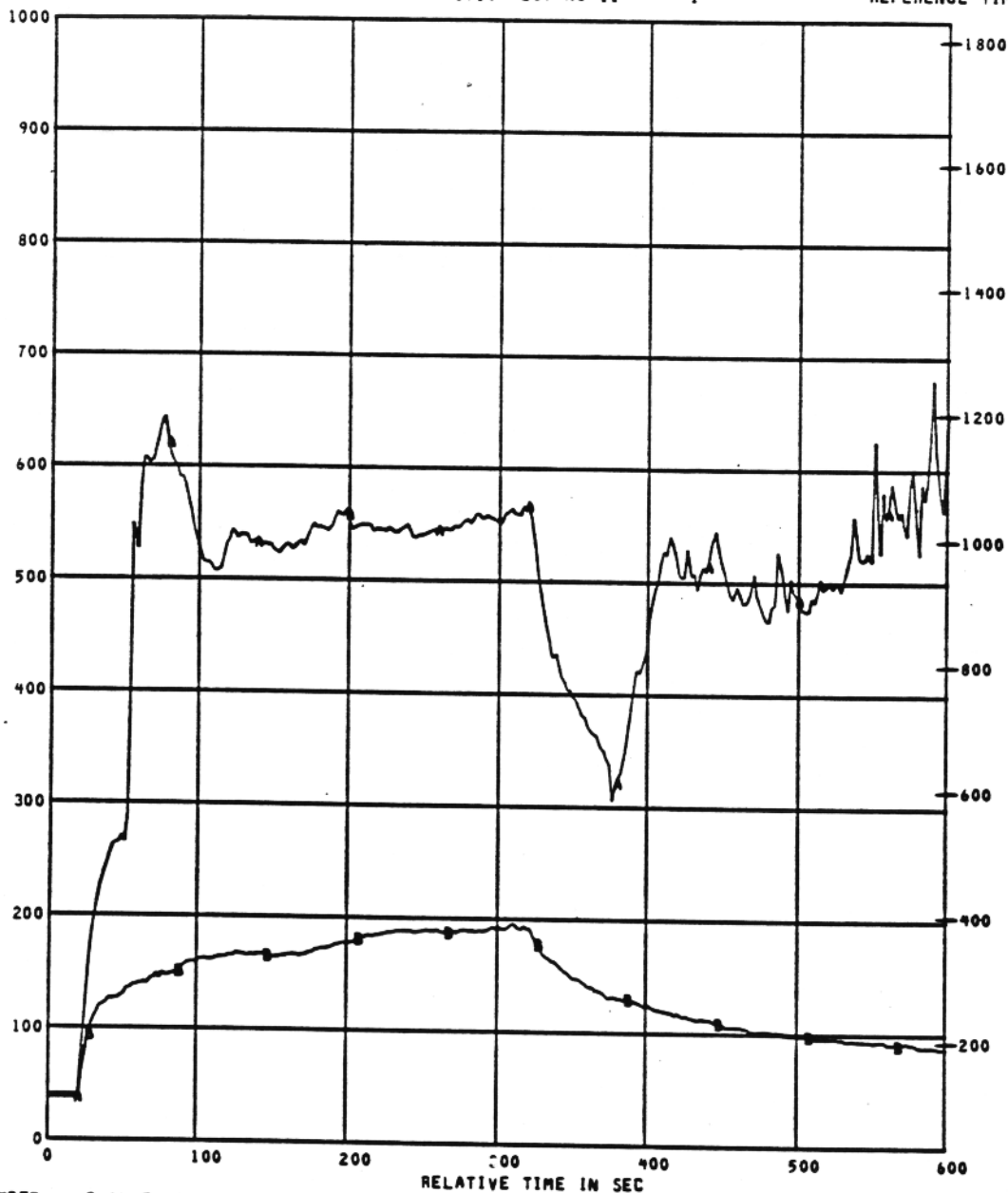
REFERENCE TIME 14 22 01.000



TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER
\$ TSR3
\$ TBL1

CHANNEL ASGN.
109
110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

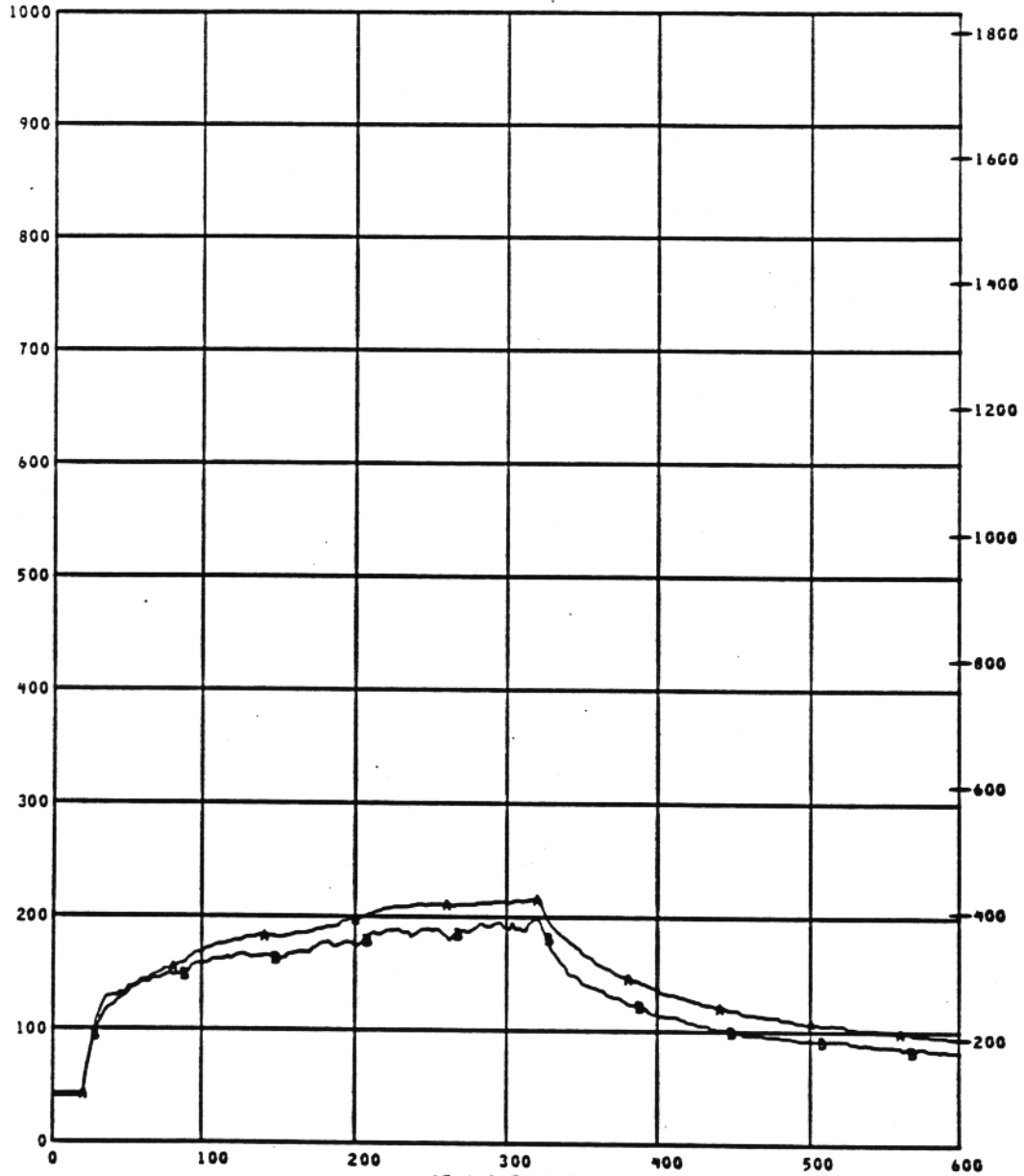
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER	CHANNEL ASGN.
* TBL2	111
* TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

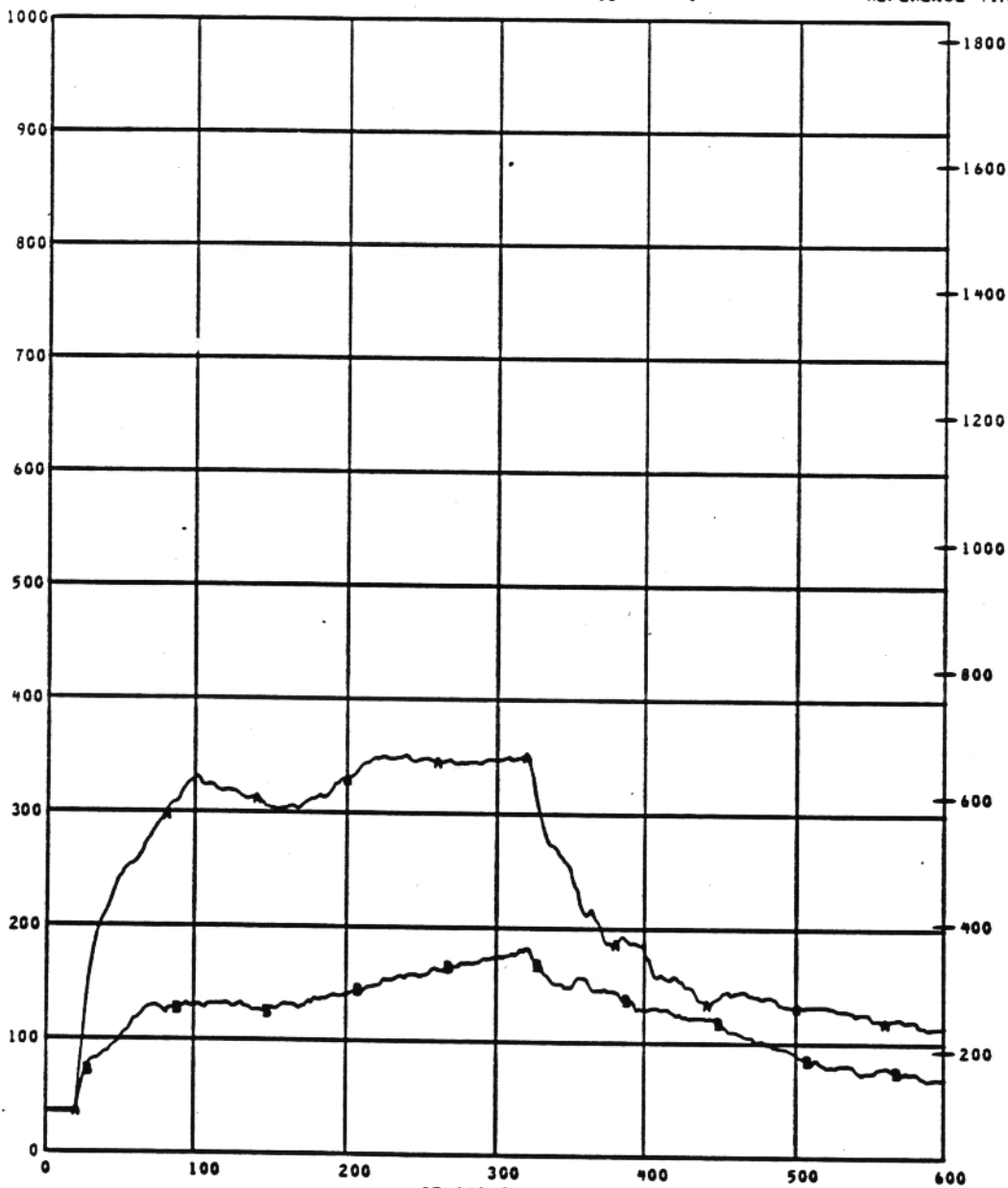
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER
\$ TBC1
\$ TBC2

CHANNEL ASGN.
113
114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

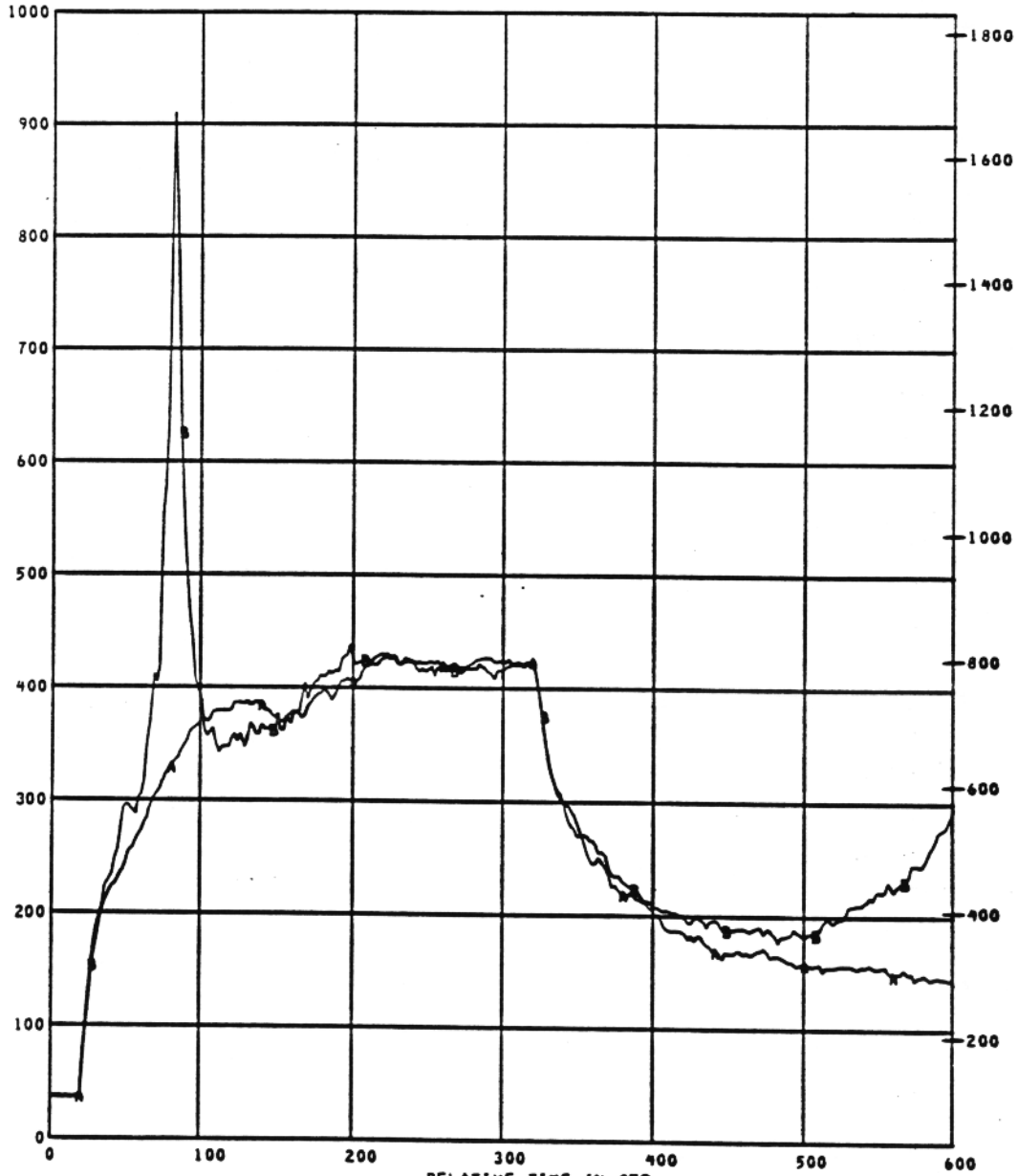
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER	CHANNEL ASGN.
* TBC3	115
* TBR1	116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

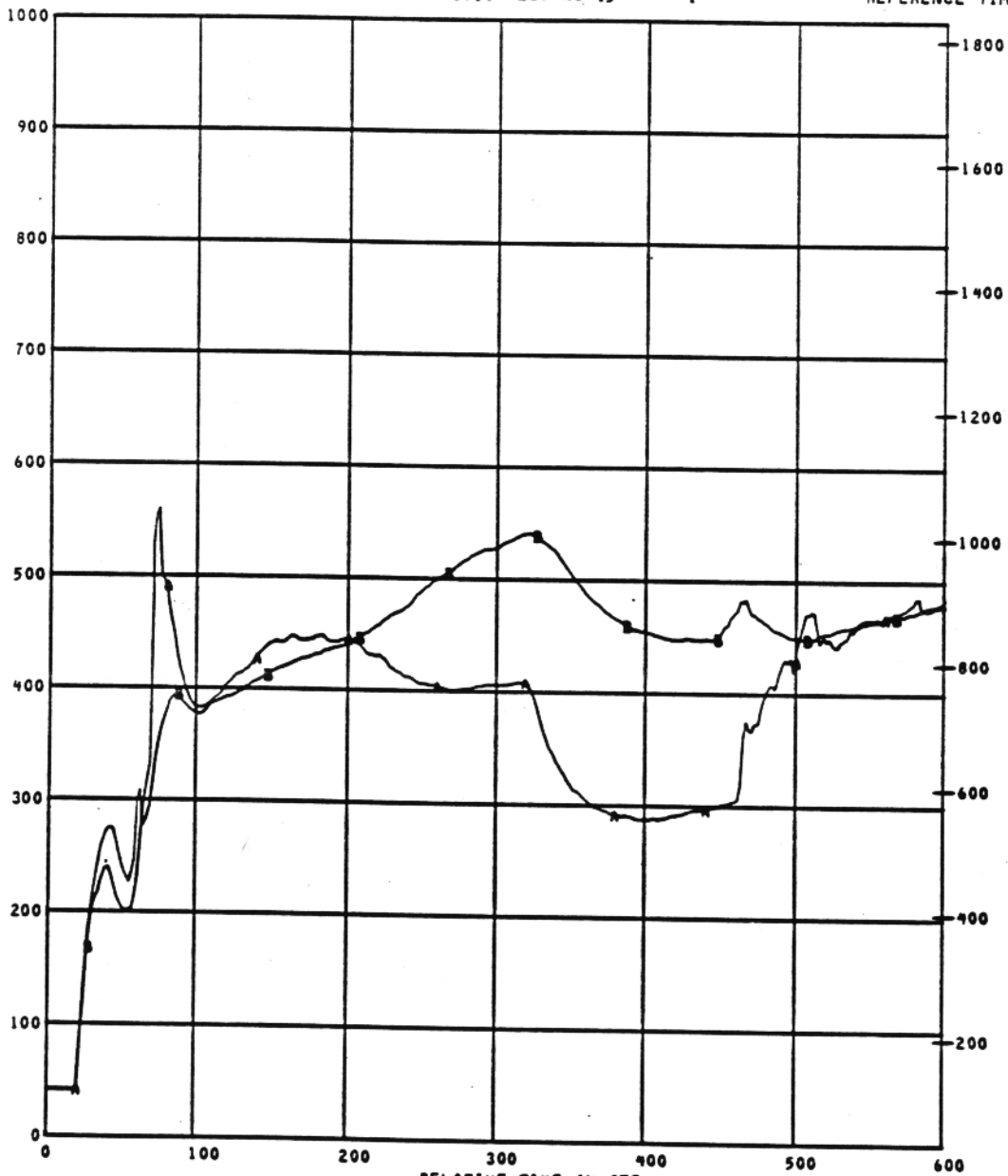
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 14 22 01.000

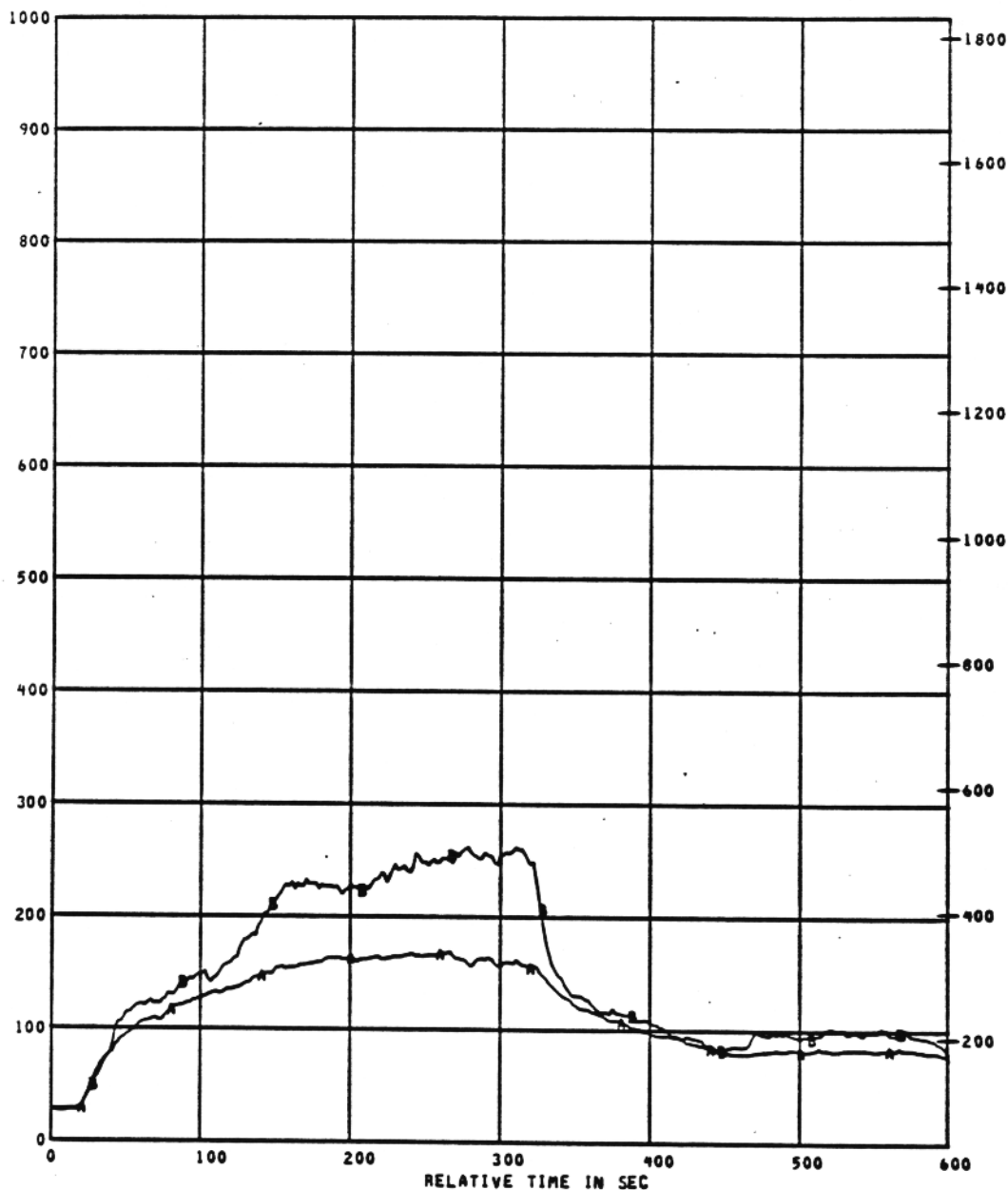


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
\$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

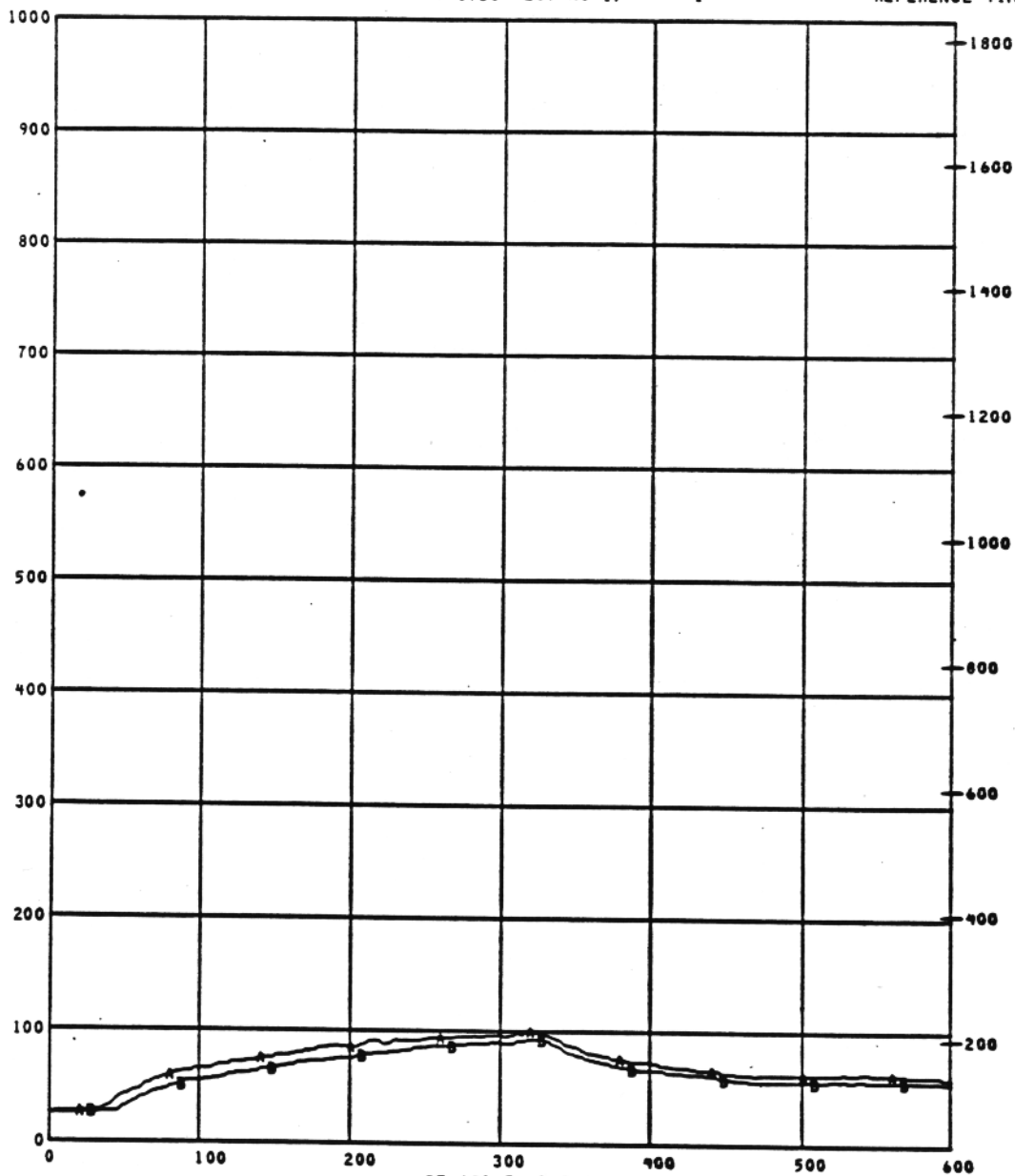
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 14 22 01.000



MEAS. NUMBER
\$ TCM
\$ TCM

CHANNEL ASGN.
121
122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

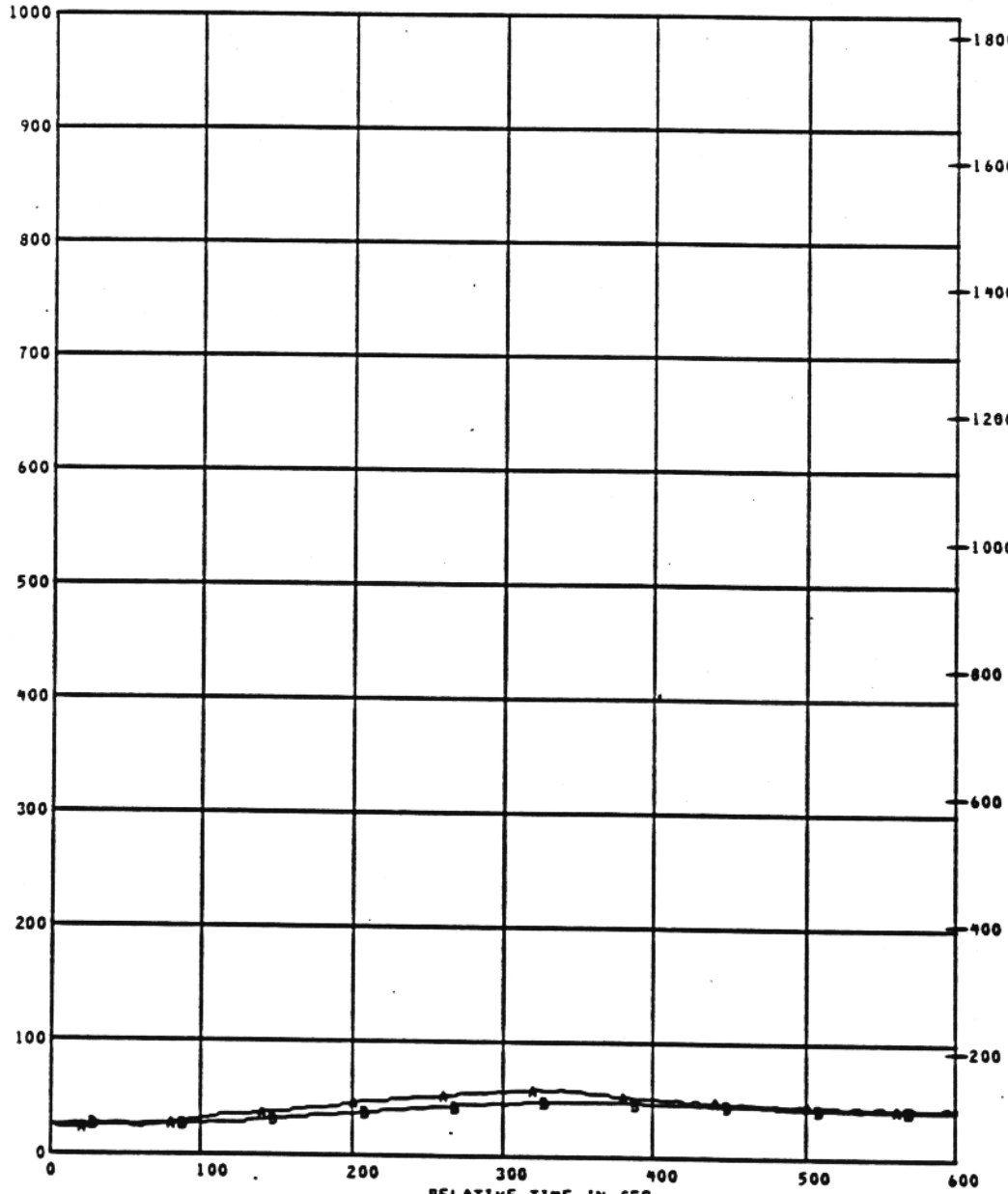
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 14 22 01.000



D
E
G
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MEAS. NUMBER CHANNEL ASGN.
* TRC 123
* TAO 124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

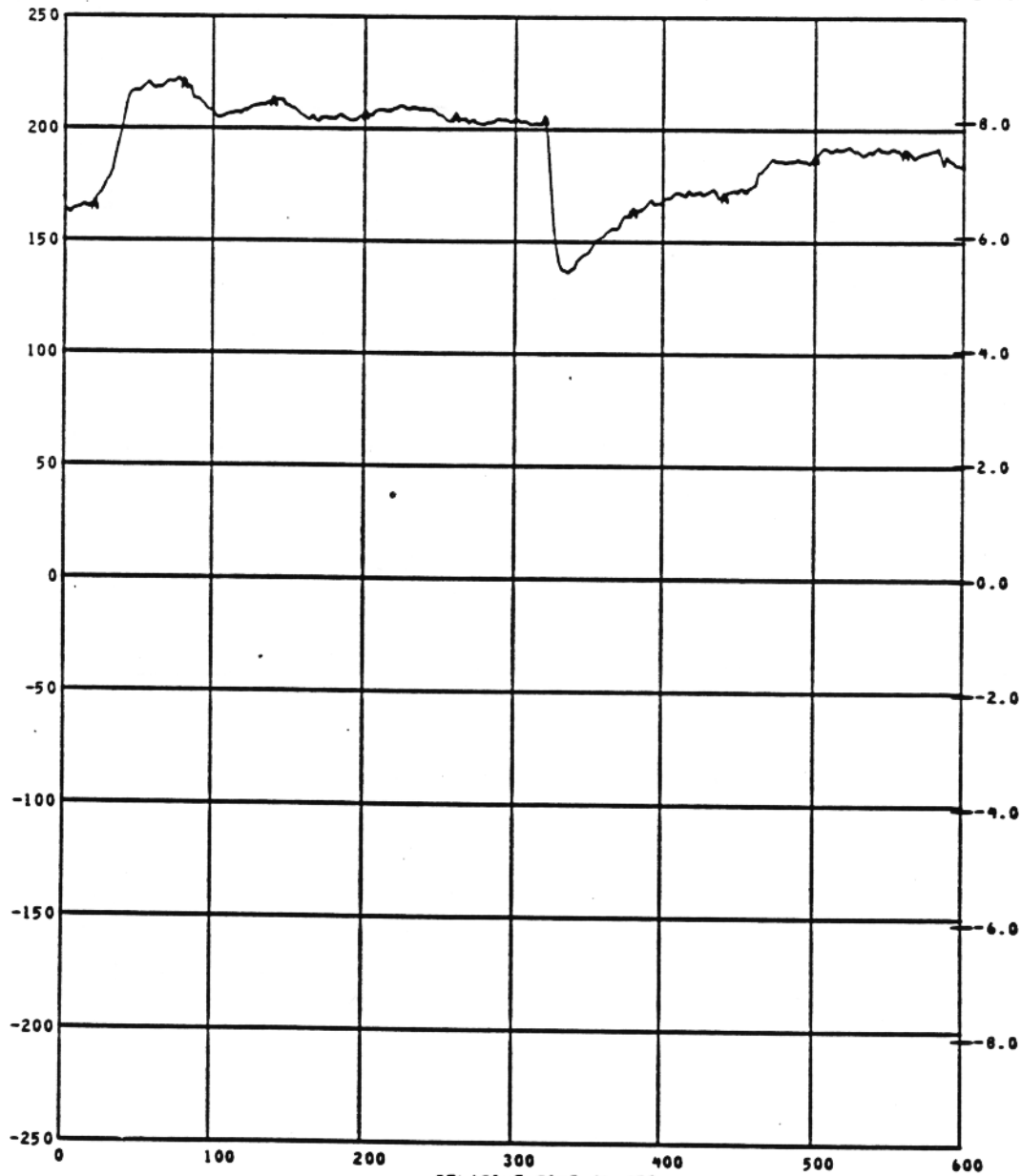
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 14 22 01.000



I
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H
2
0

MEAS. NUMBER
4 DPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

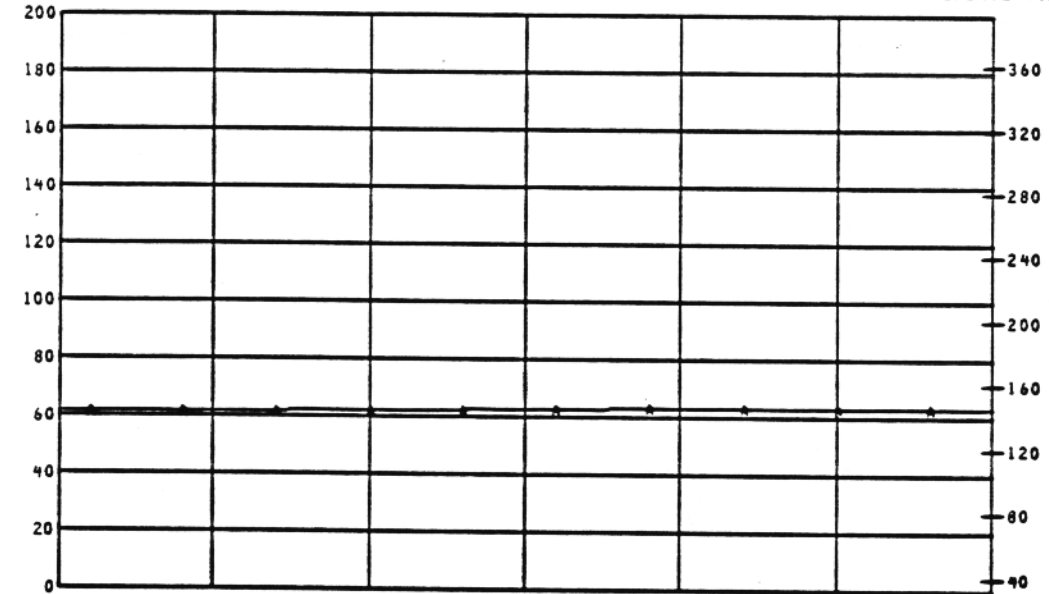
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 AA

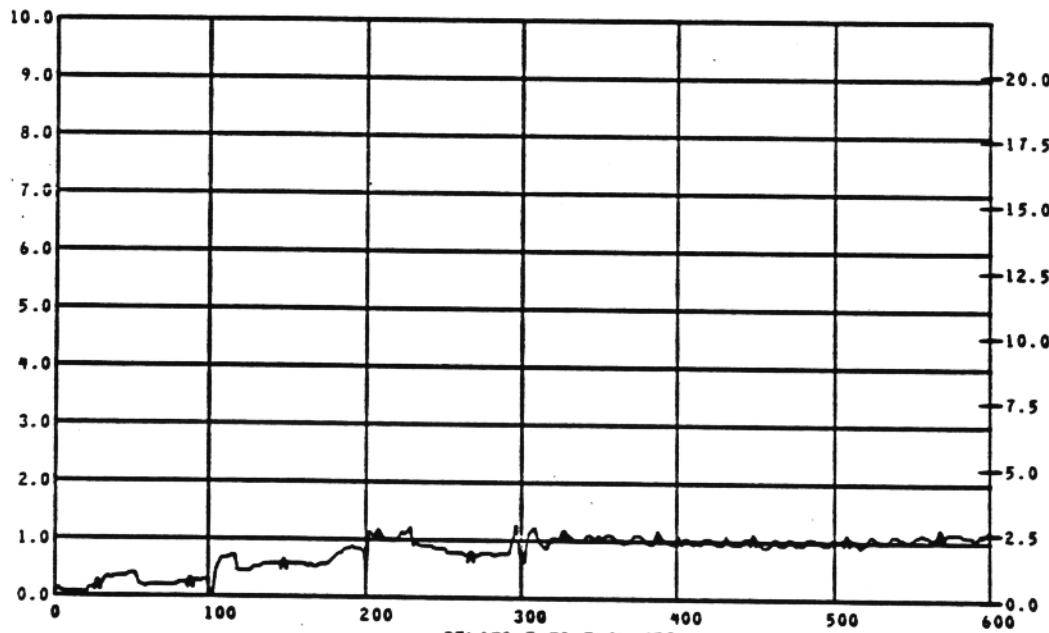
TEST ID NASA4

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 14 22 01.000



D
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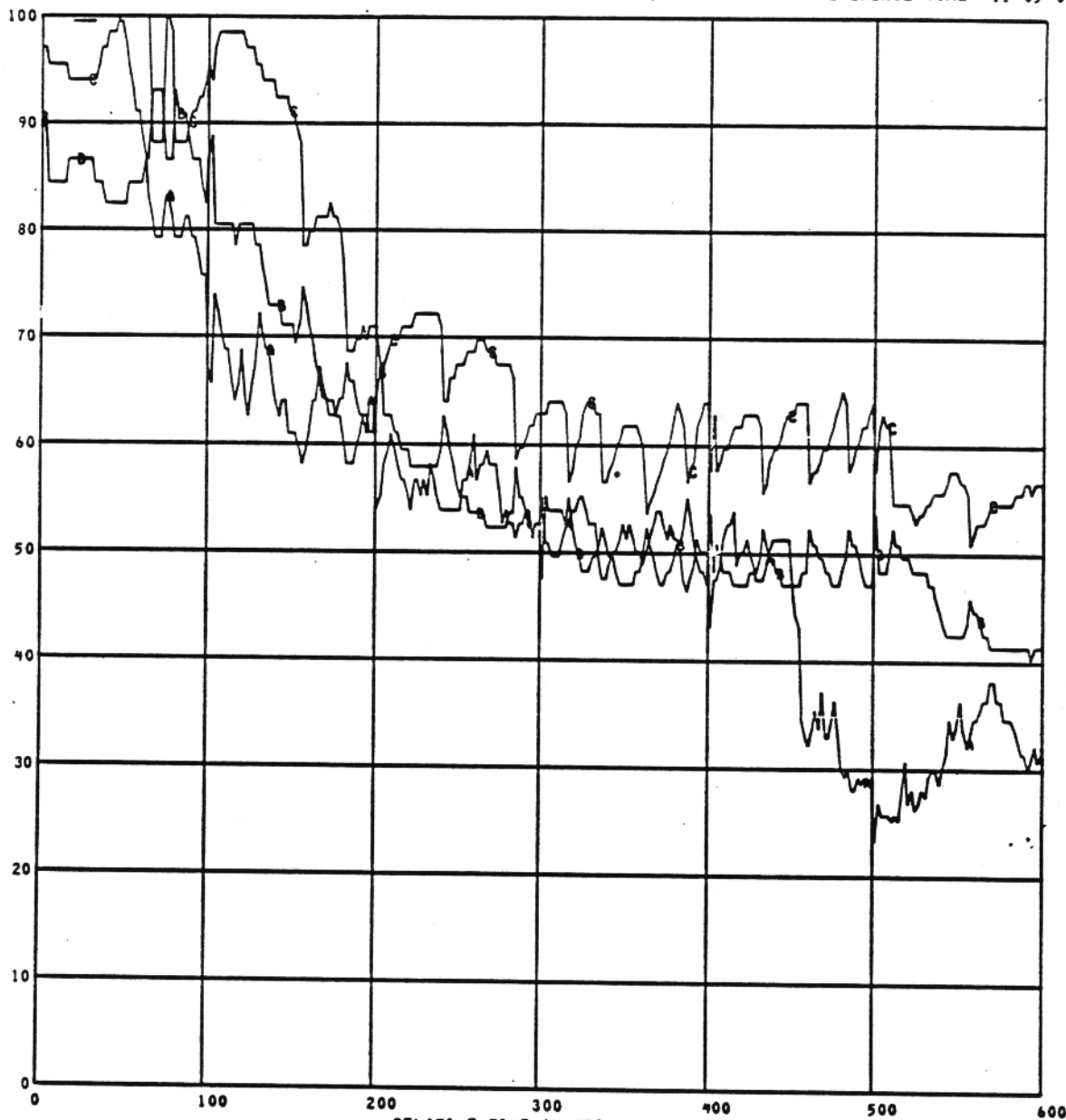
L
B
S

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

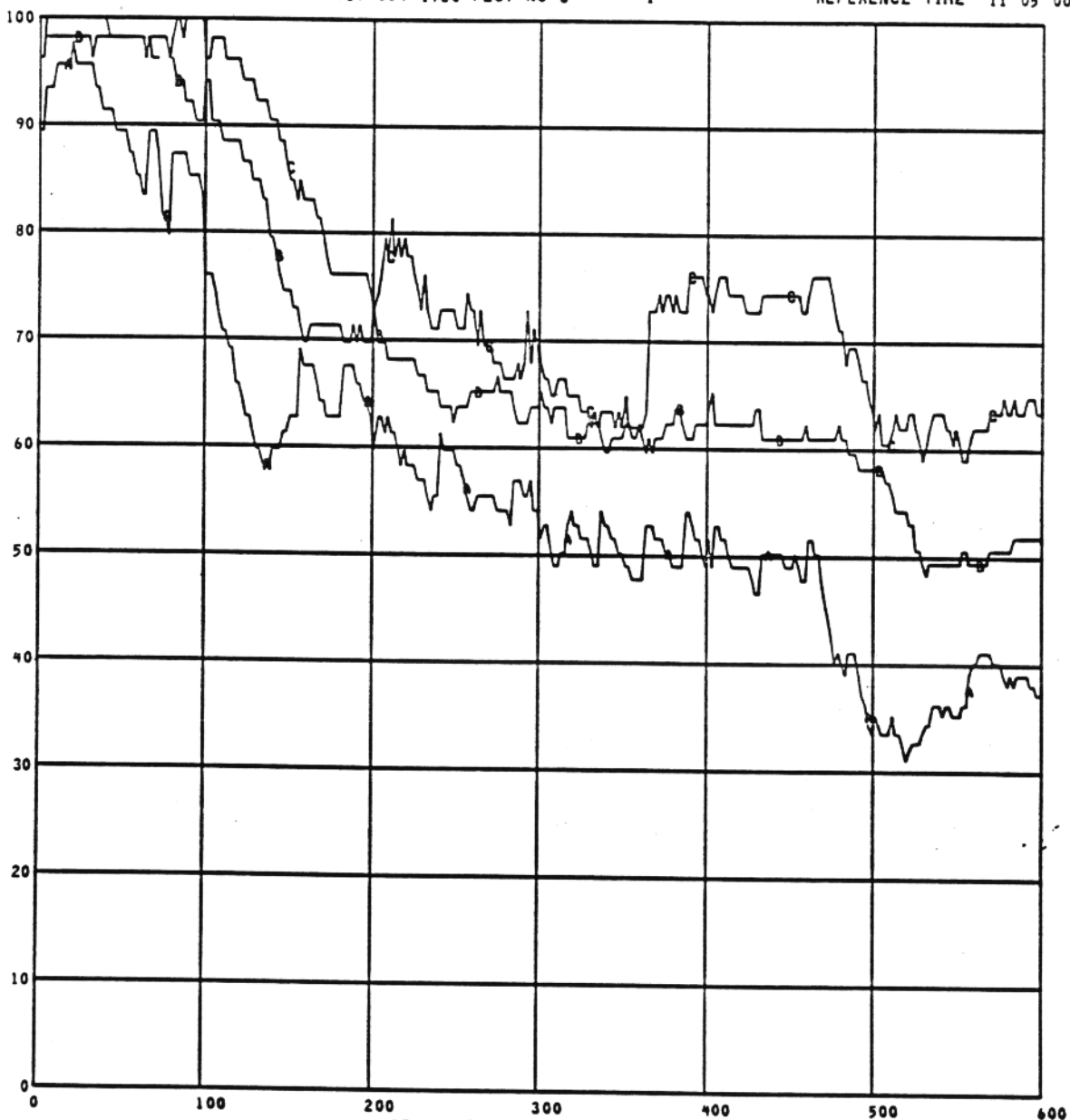


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 11 05 00.000

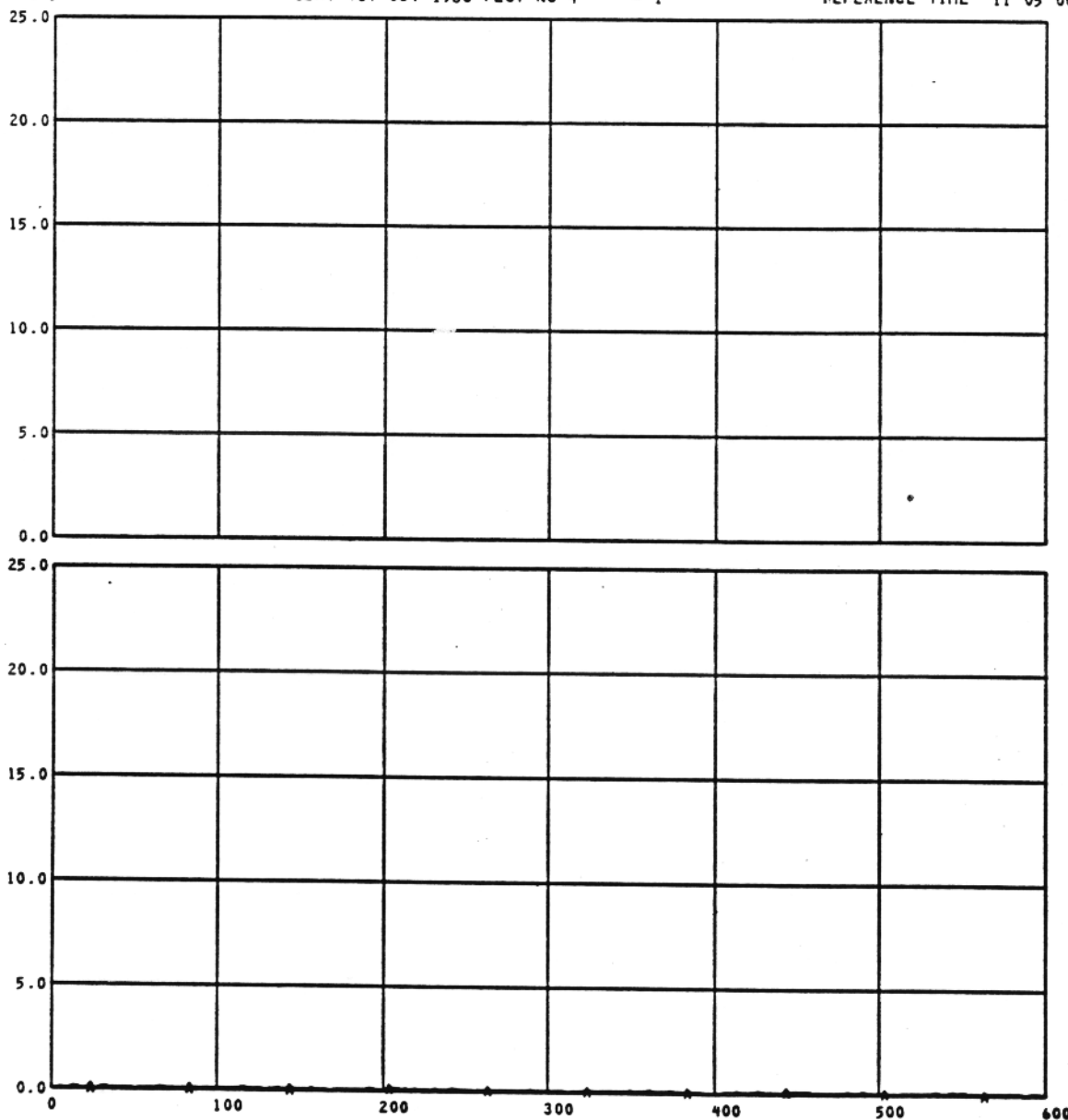


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 11 05 00.000

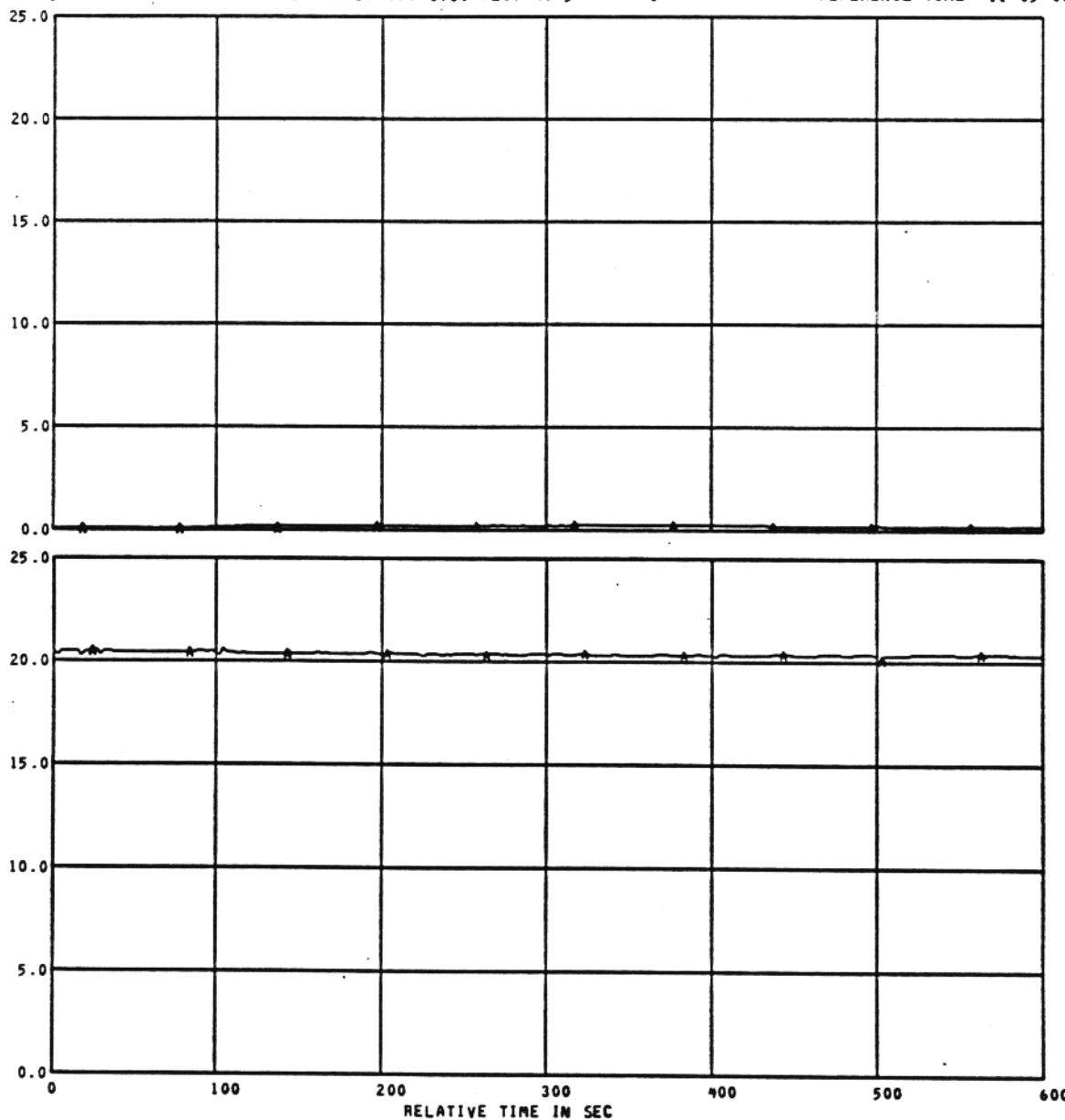


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 11 05 00.000

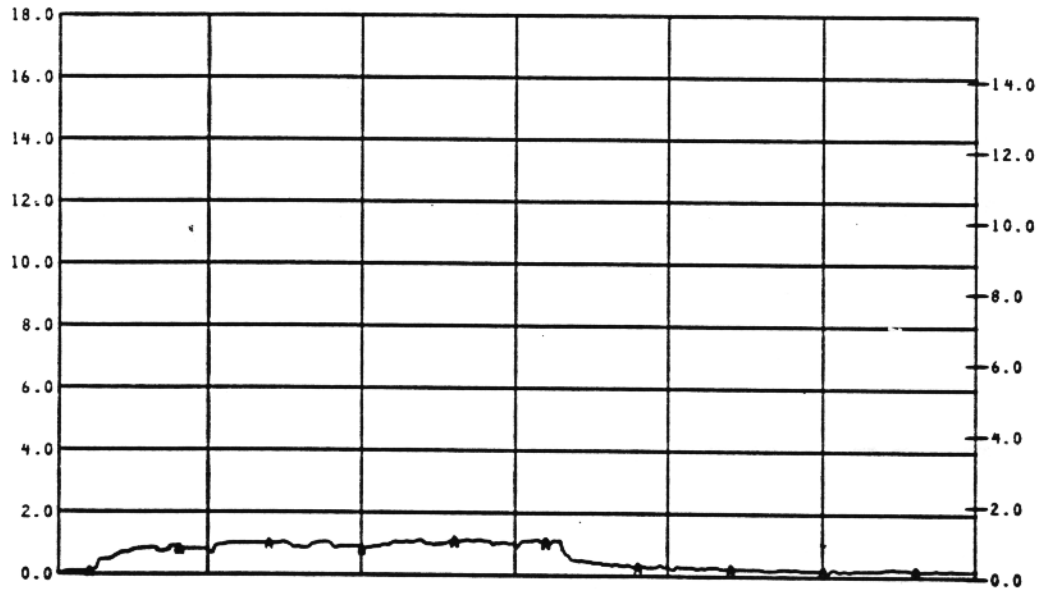


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

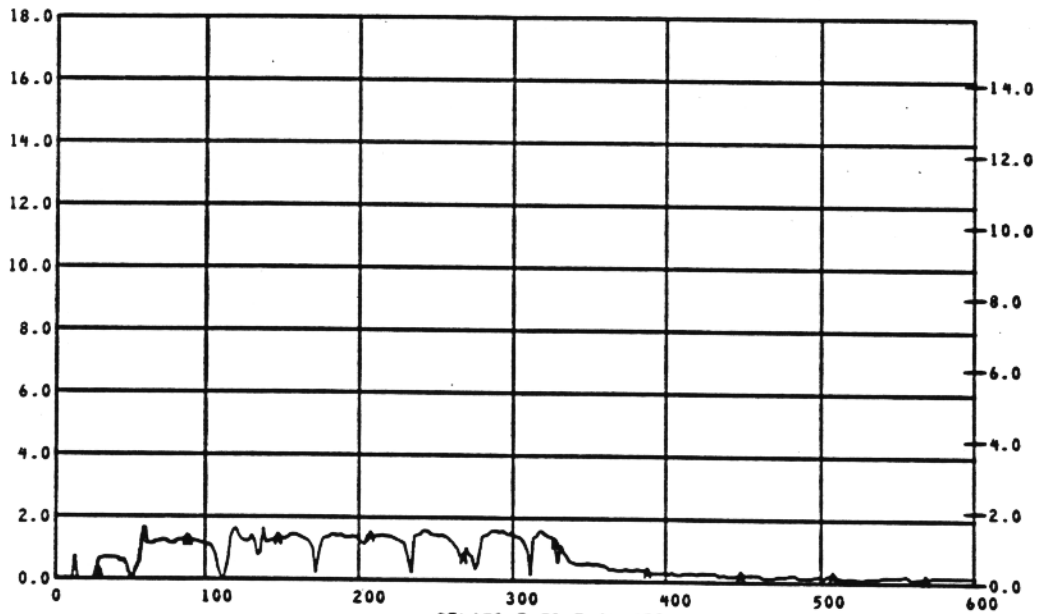
TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 11 05 00.000



B
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B
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2

MEAS. NUMBER
\$ CU
\$ CL

CHANNEL ASGN.
150
151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

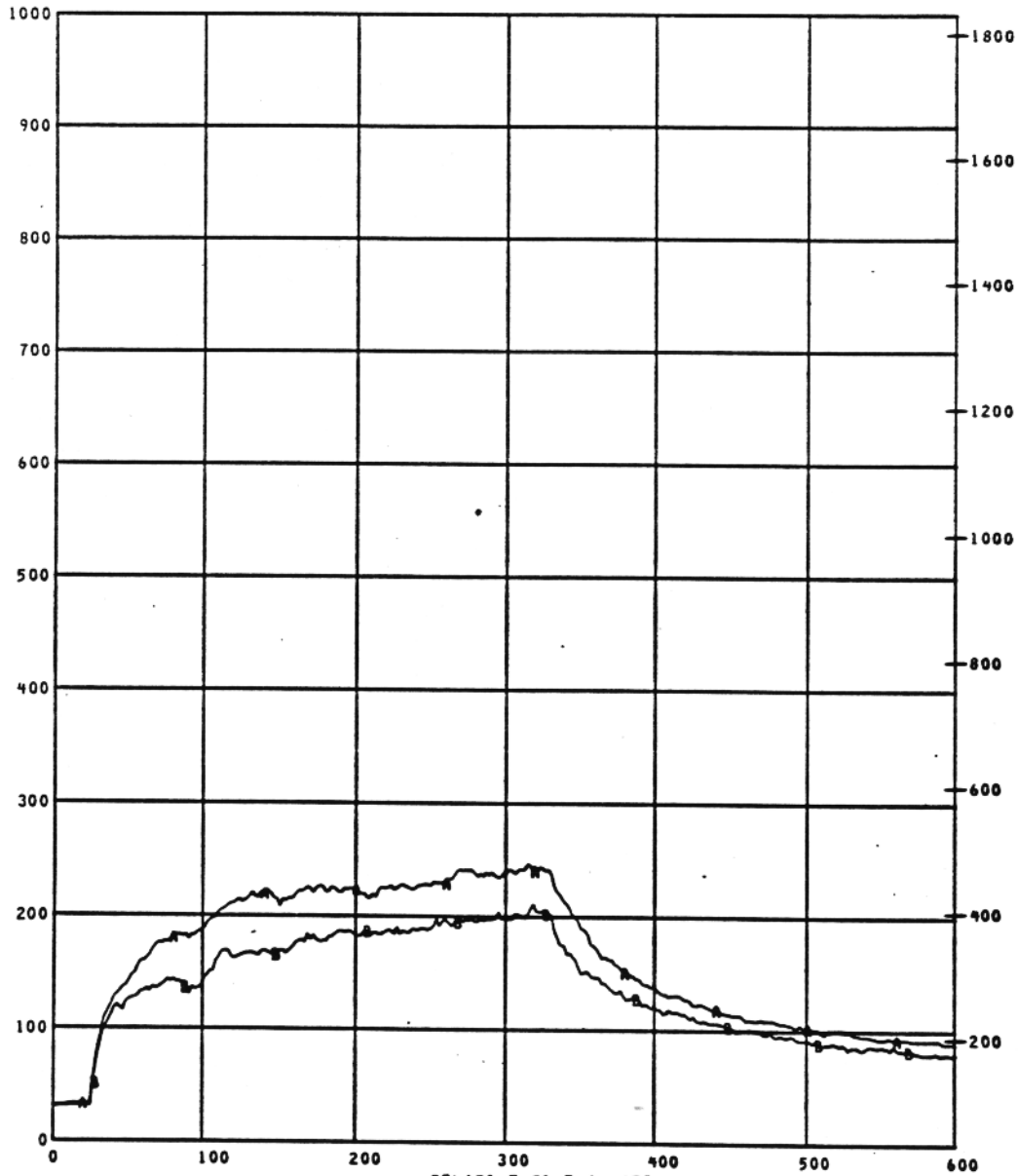
RANGE
0.0 TO 18.0
0.0 TO 18.0

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

TEST ID NASAS

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 11 05 00.000



D
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MEAS. NUMBER	CHANNEL ASGN.
* TSL1	101
* TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

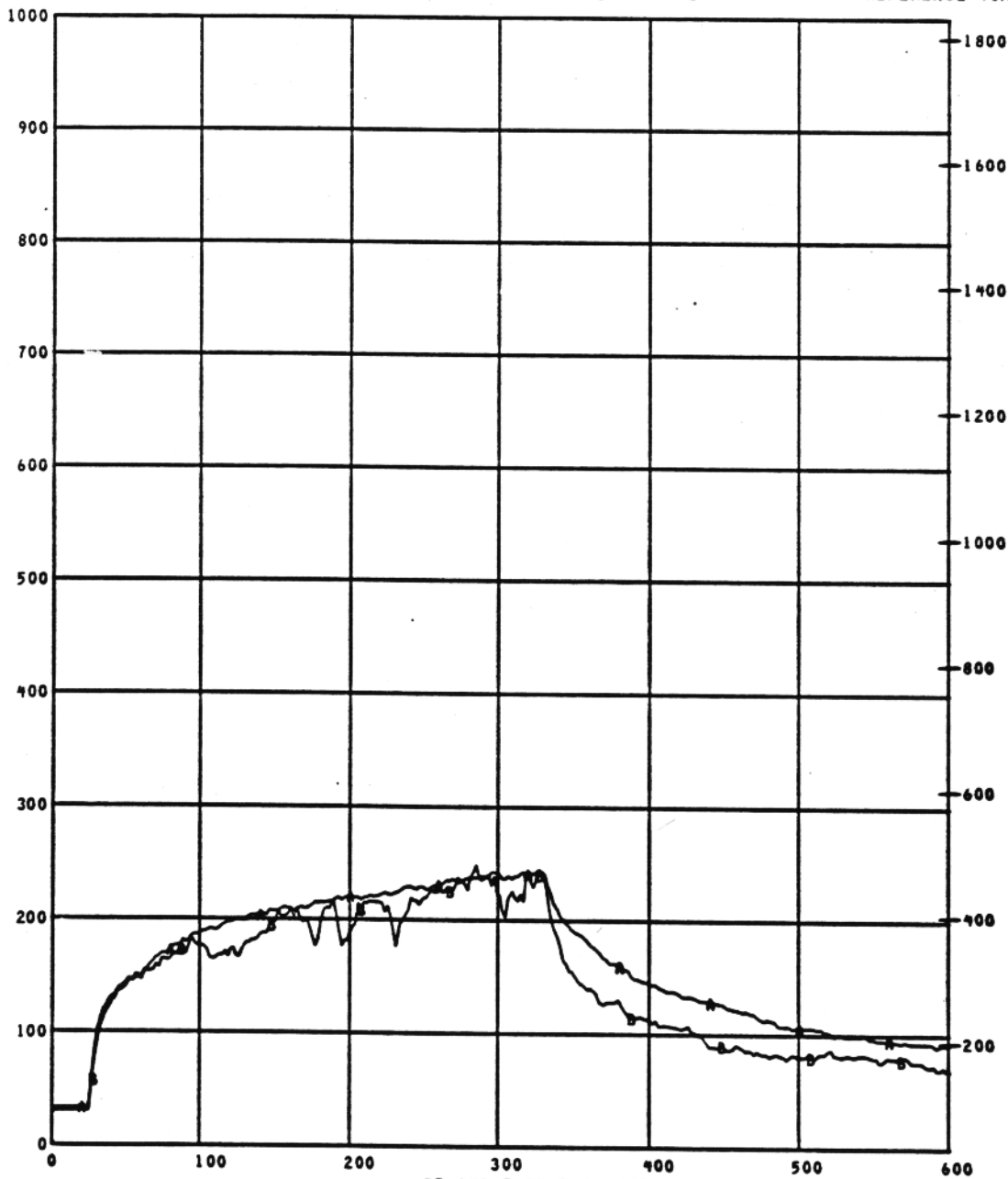
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 11 05 00.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

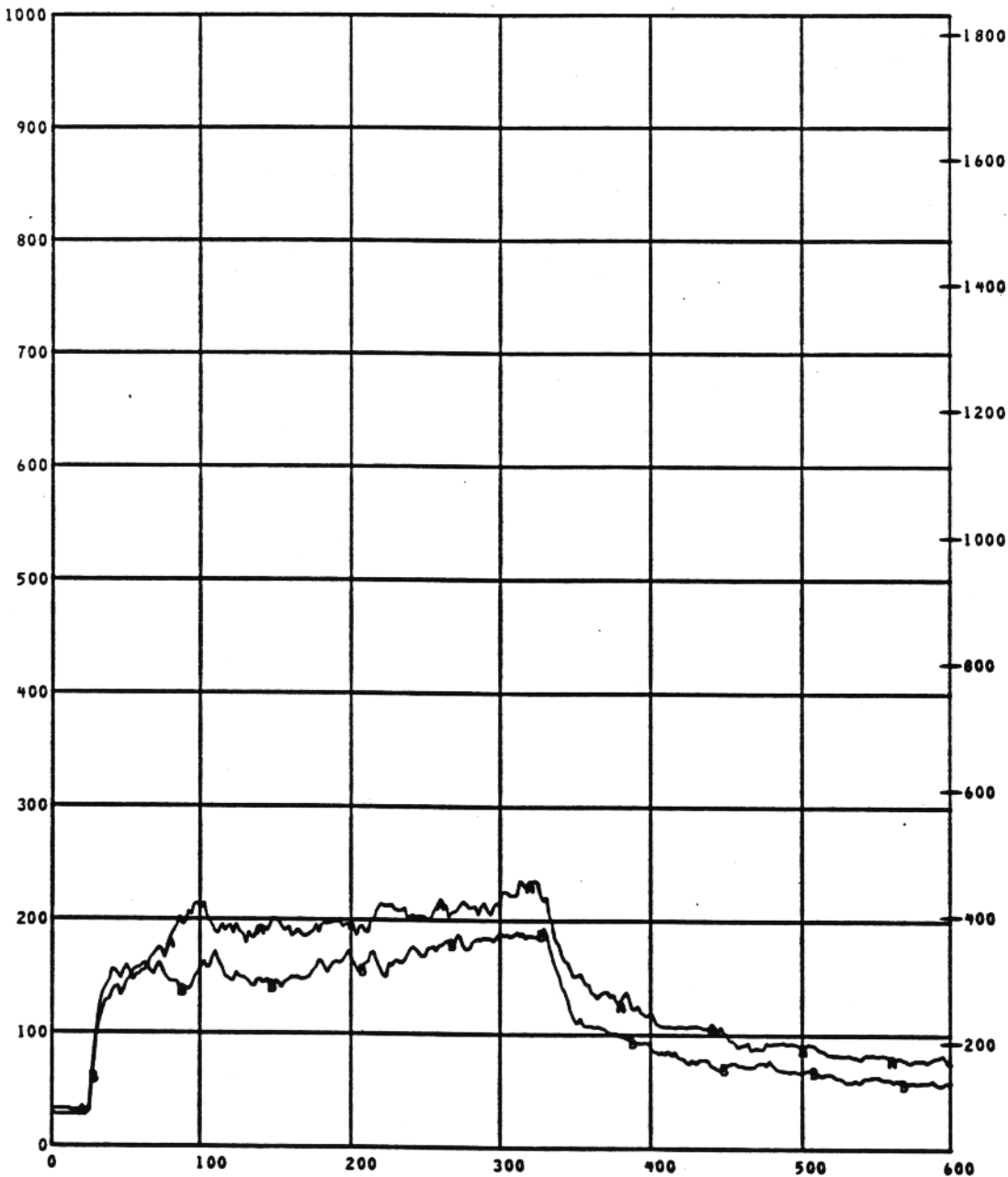
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 11 05 00.000



MEAS. NUMBER	CHANNEL ASGN.
* TSC2	105
* TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

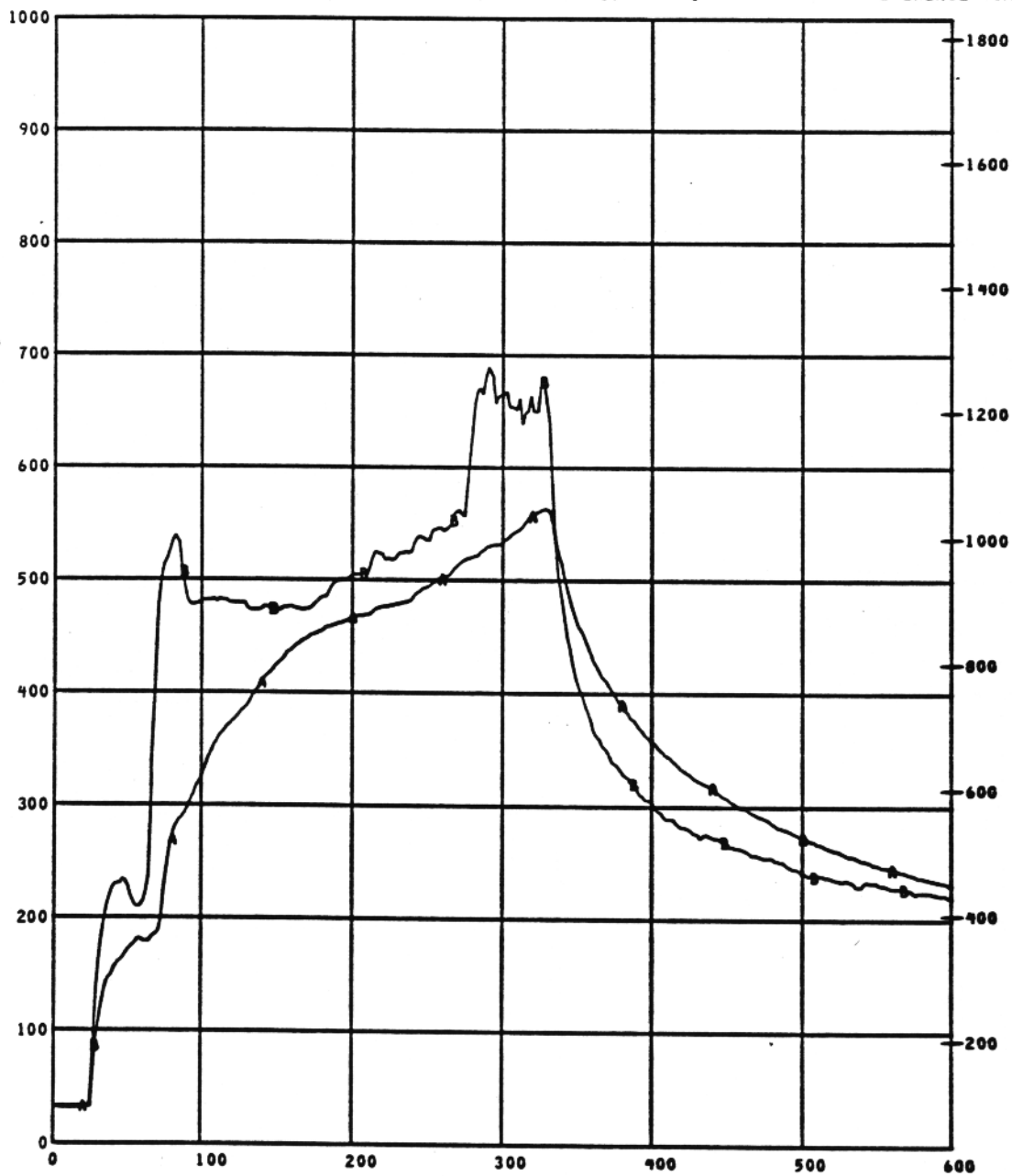
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 11 05 00.000

D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
* TSR1	107
* TSR2	108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

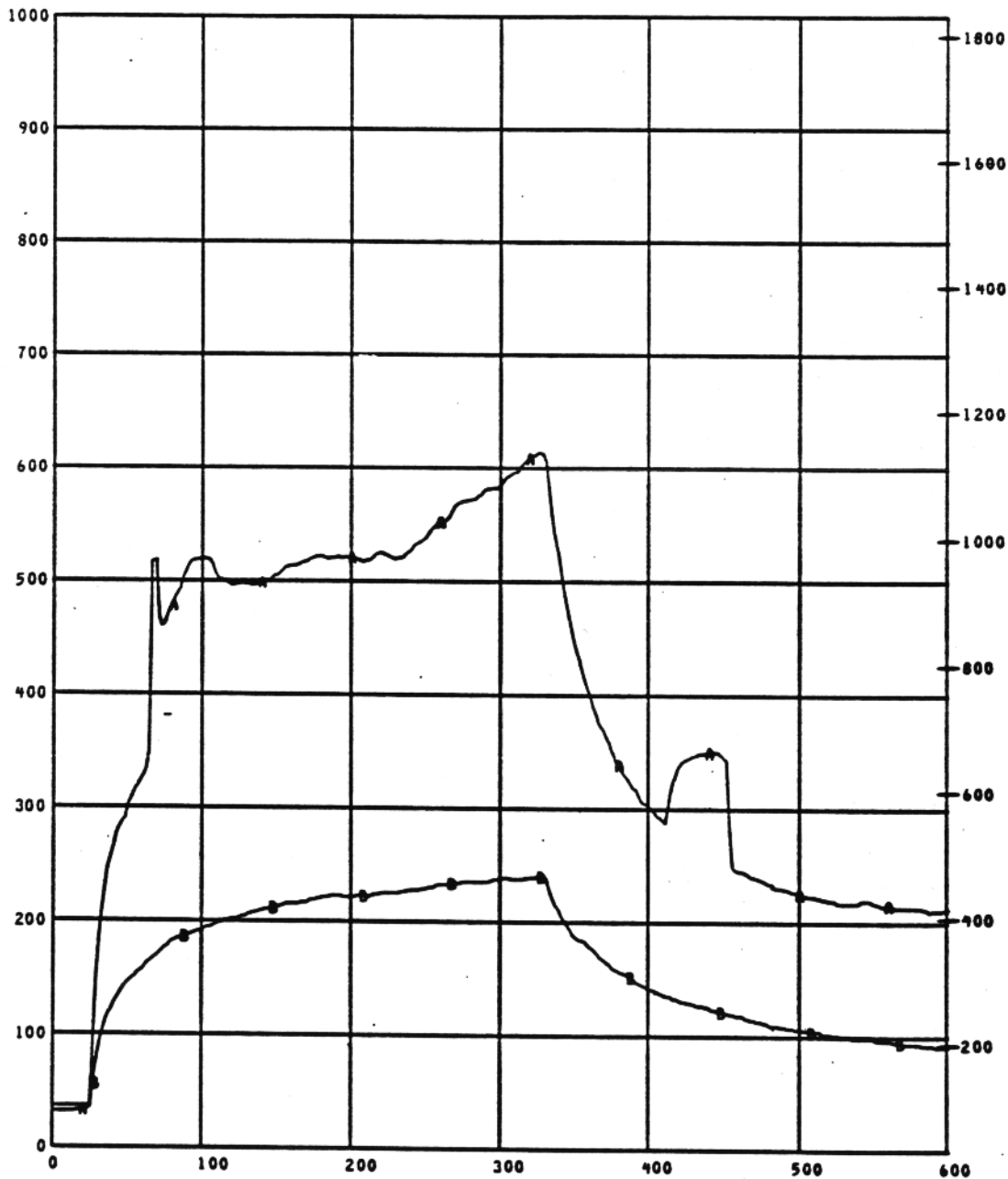
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 11 05 00.000



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

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

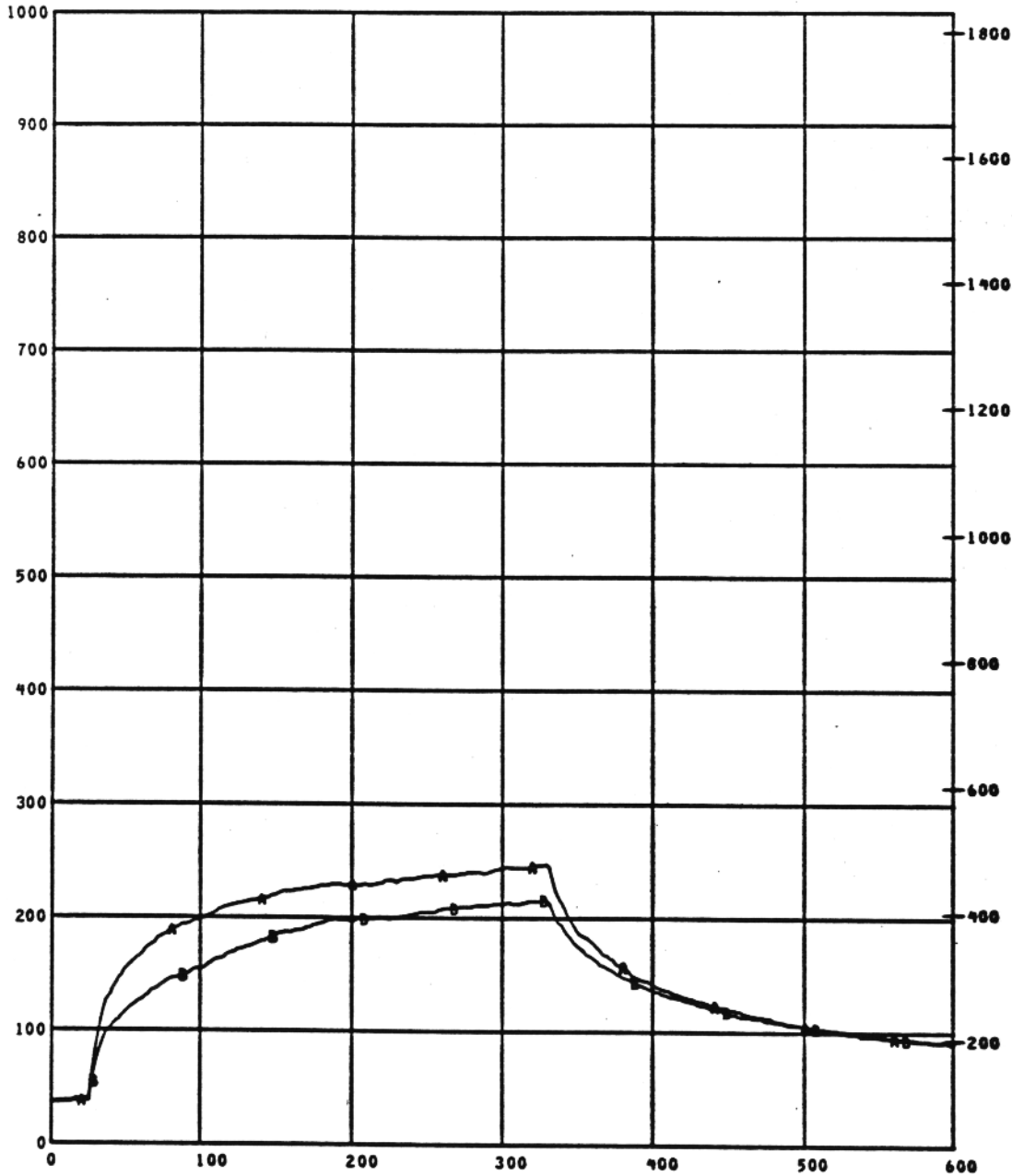
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 11 05 00.000



MEAS. NUMBER	CHANNEL ASGN.
* TBL2	111
* TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

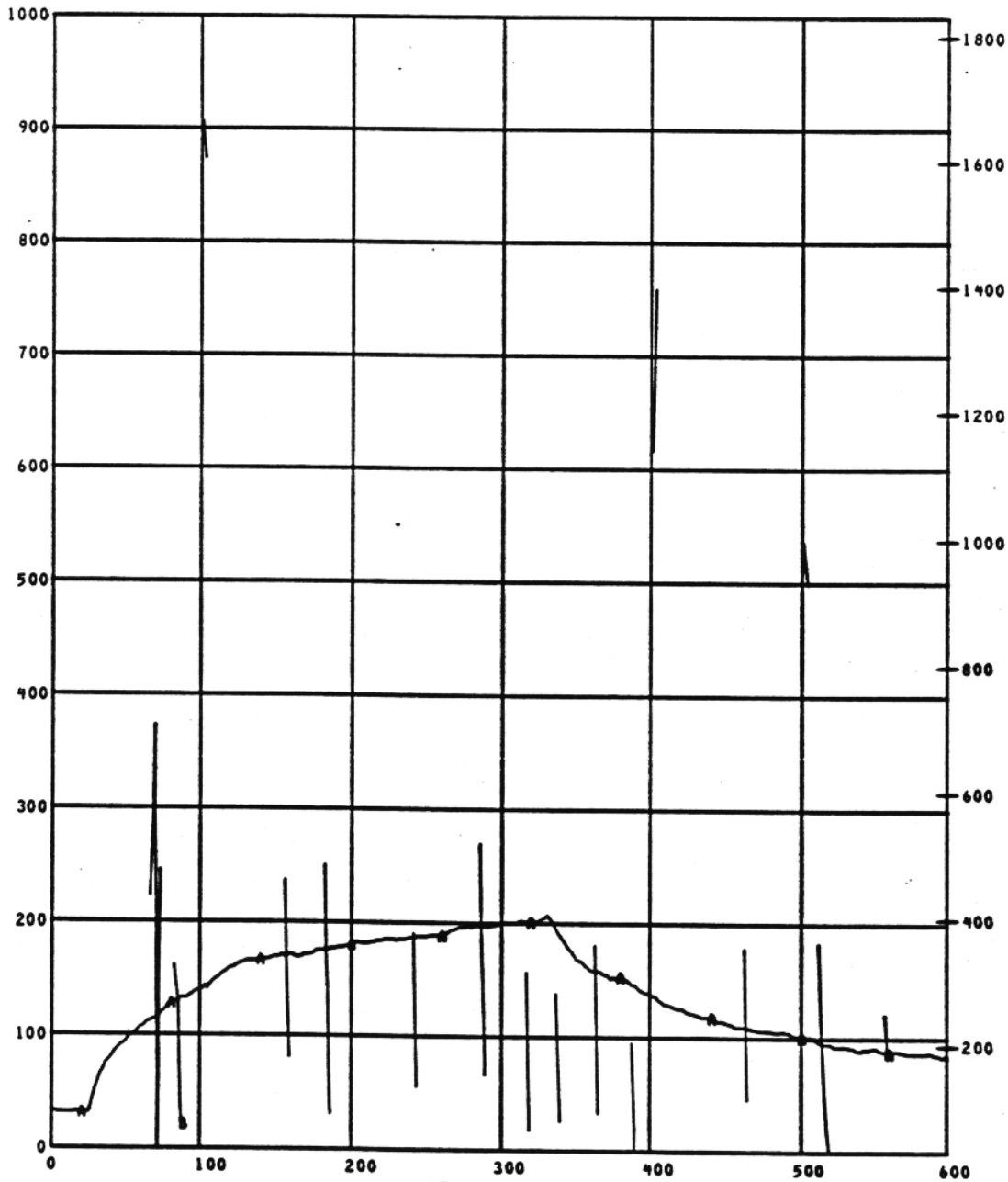
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 11 05 00.000

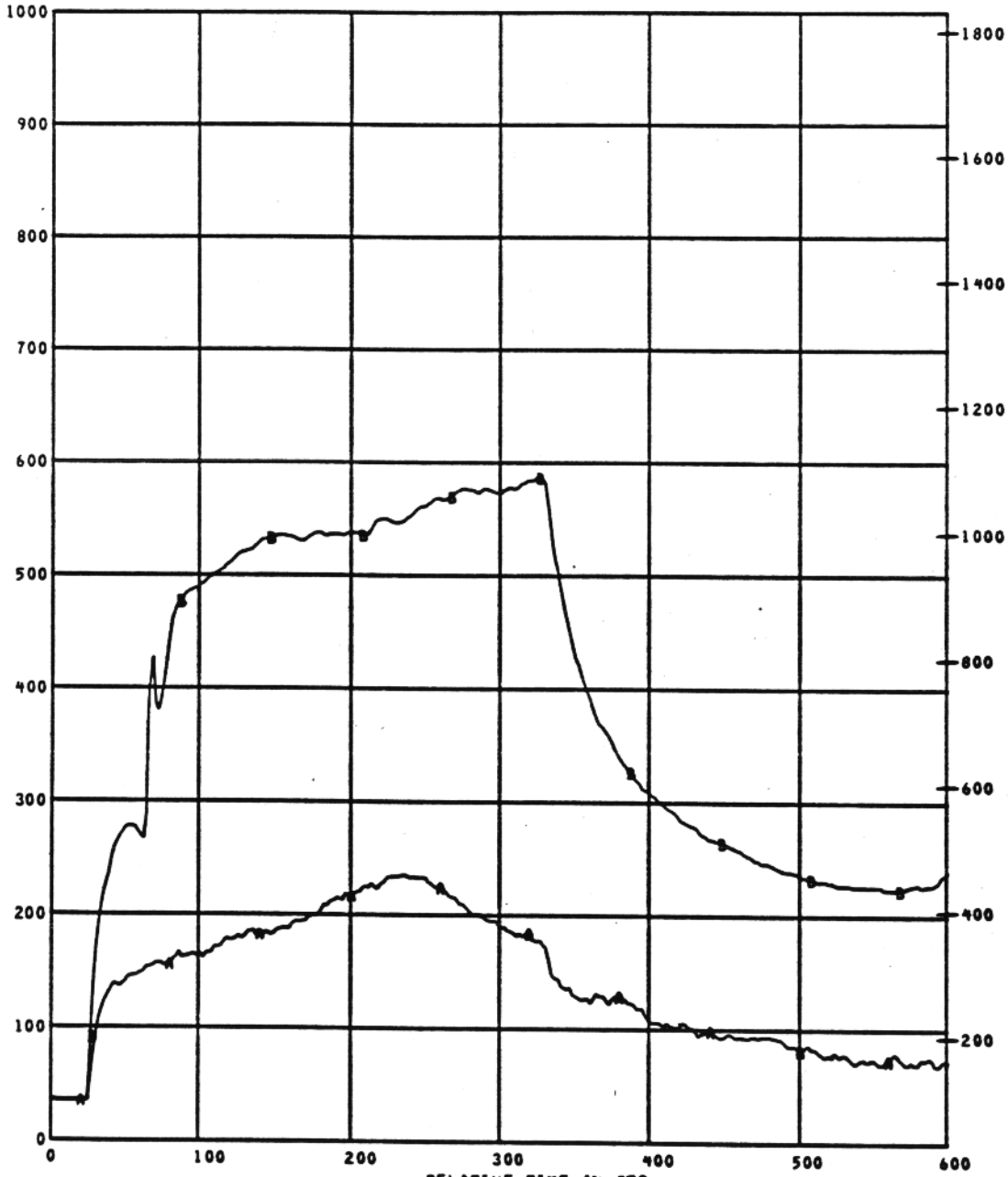


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
\$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 11 05 00.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBC3	115
\$ TBR1	116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

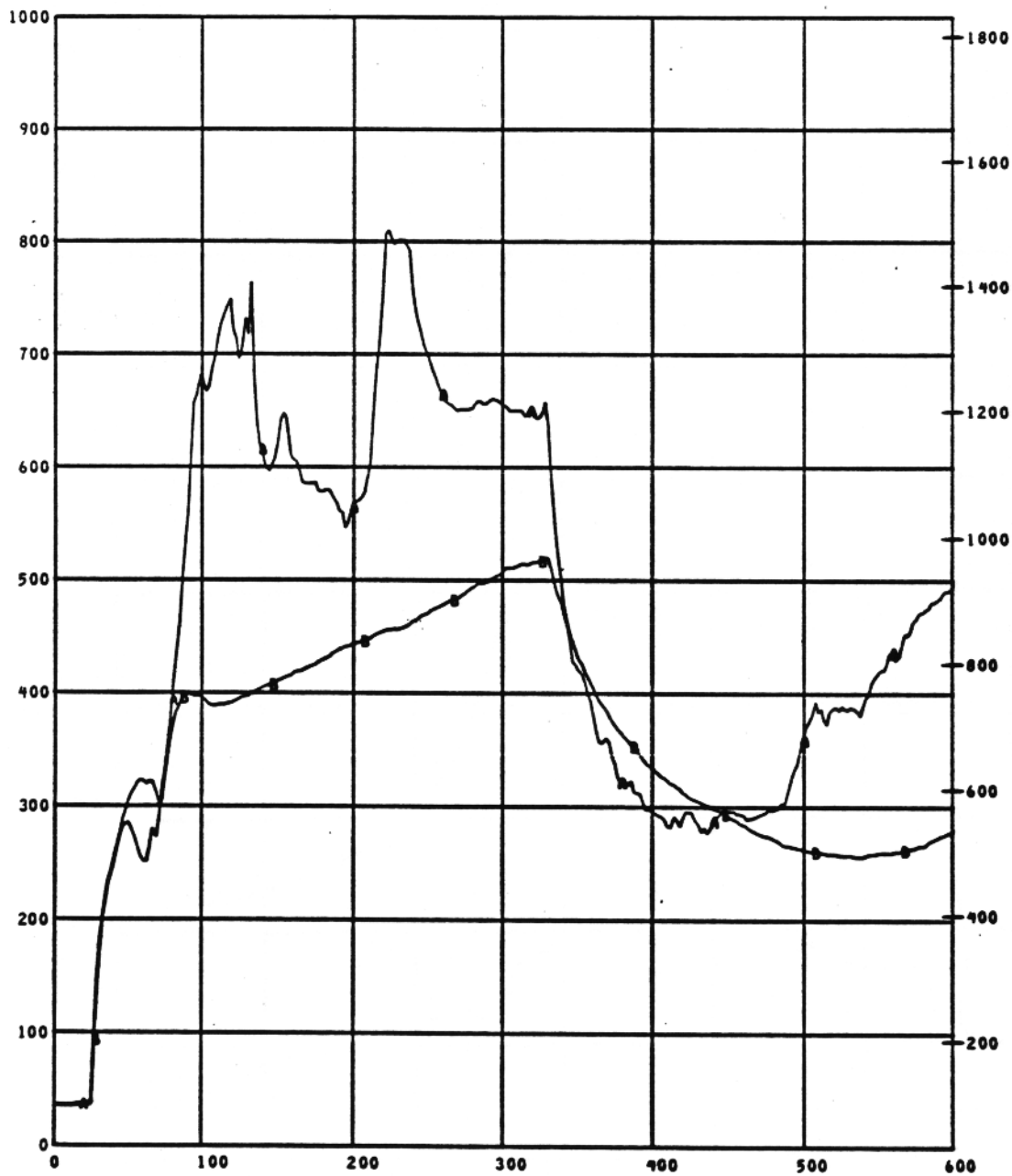
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 11 05 00.000



MEAS. NUMBER	CHANNEL ASGN.
* TBR2	117
* TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

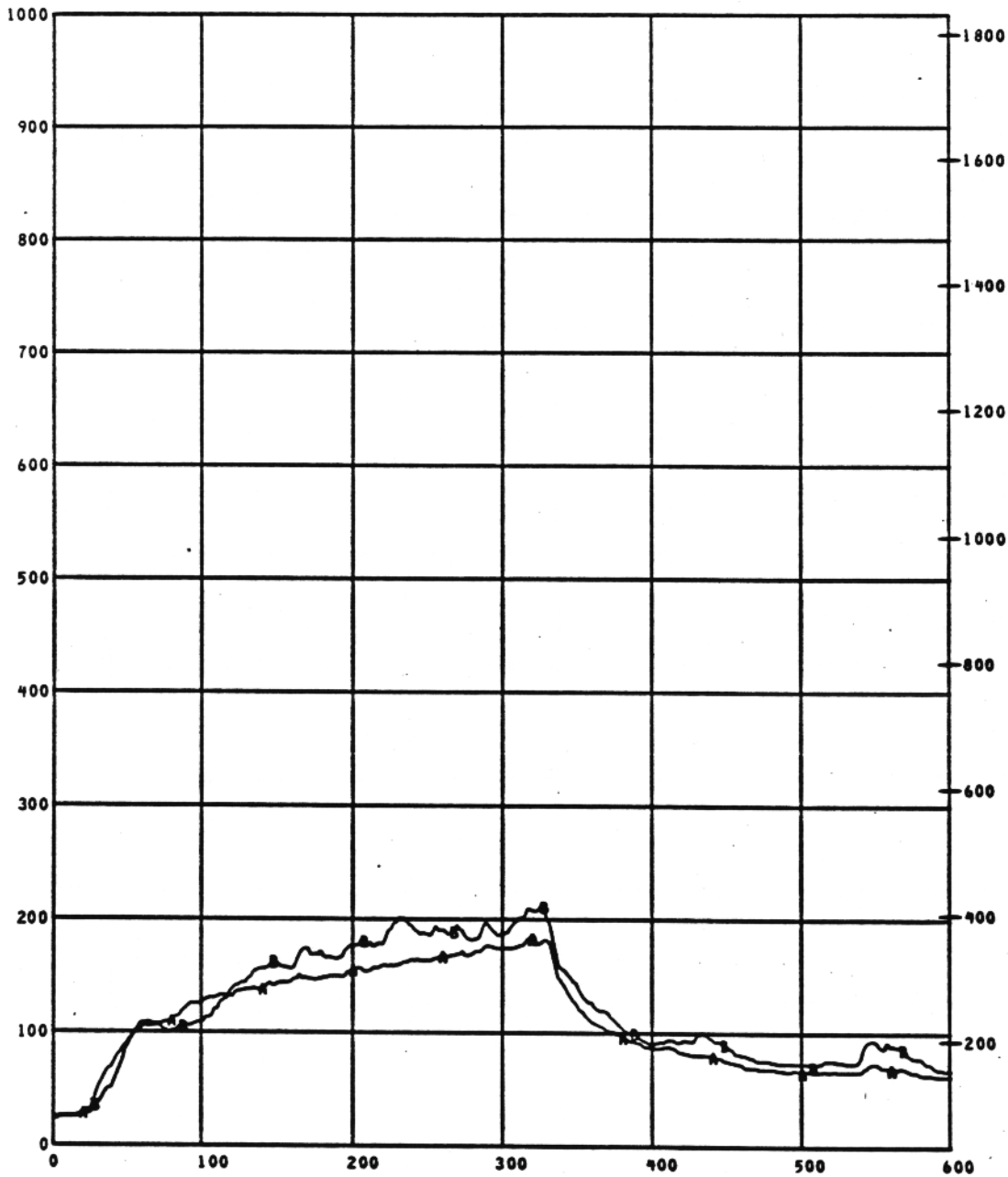
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 11 05 00.000



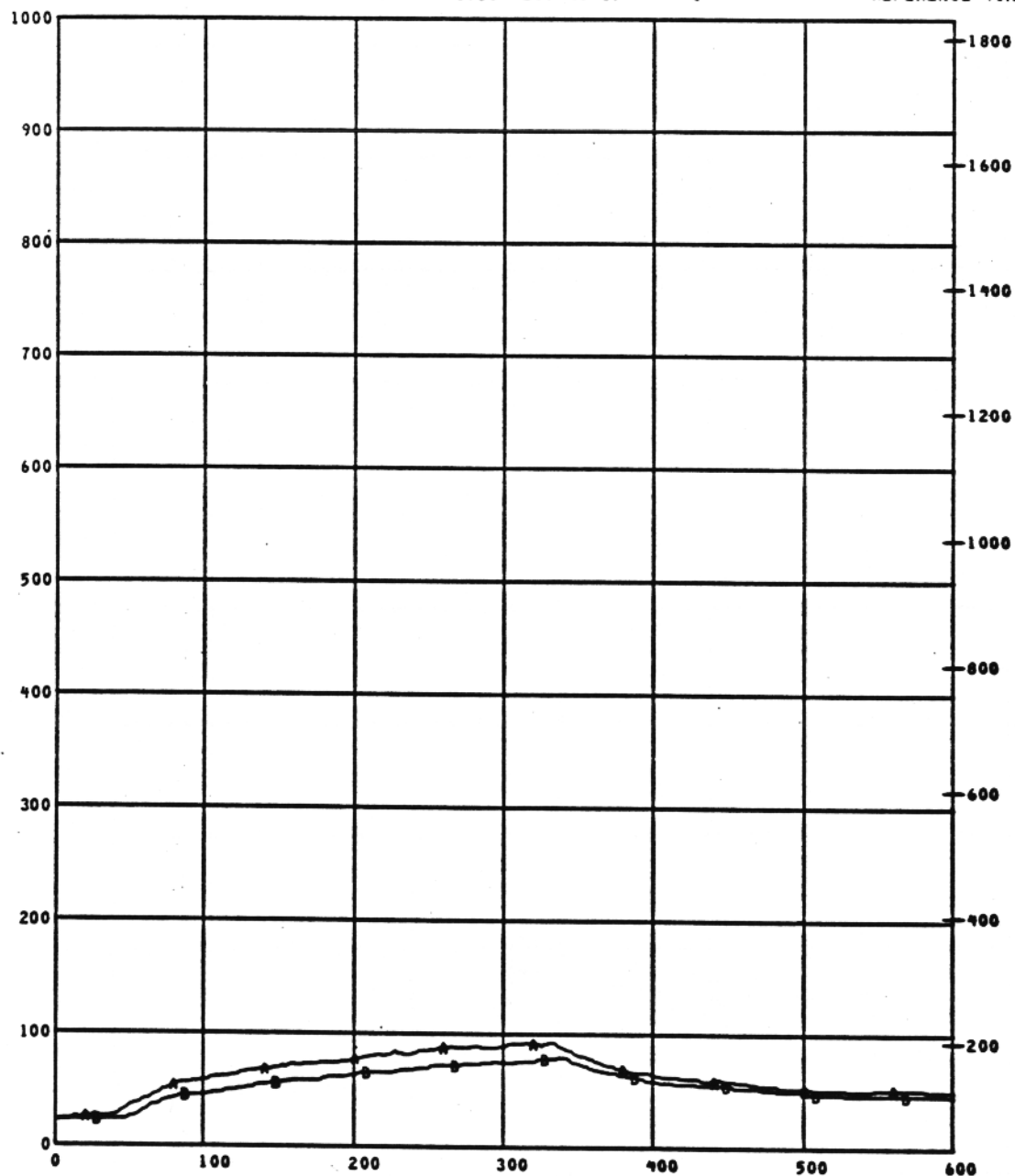
D
E
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
\$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 11 05 00.000



MEAS. NUMBER	CHANNEL ASGN.
* TCM	121
* TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

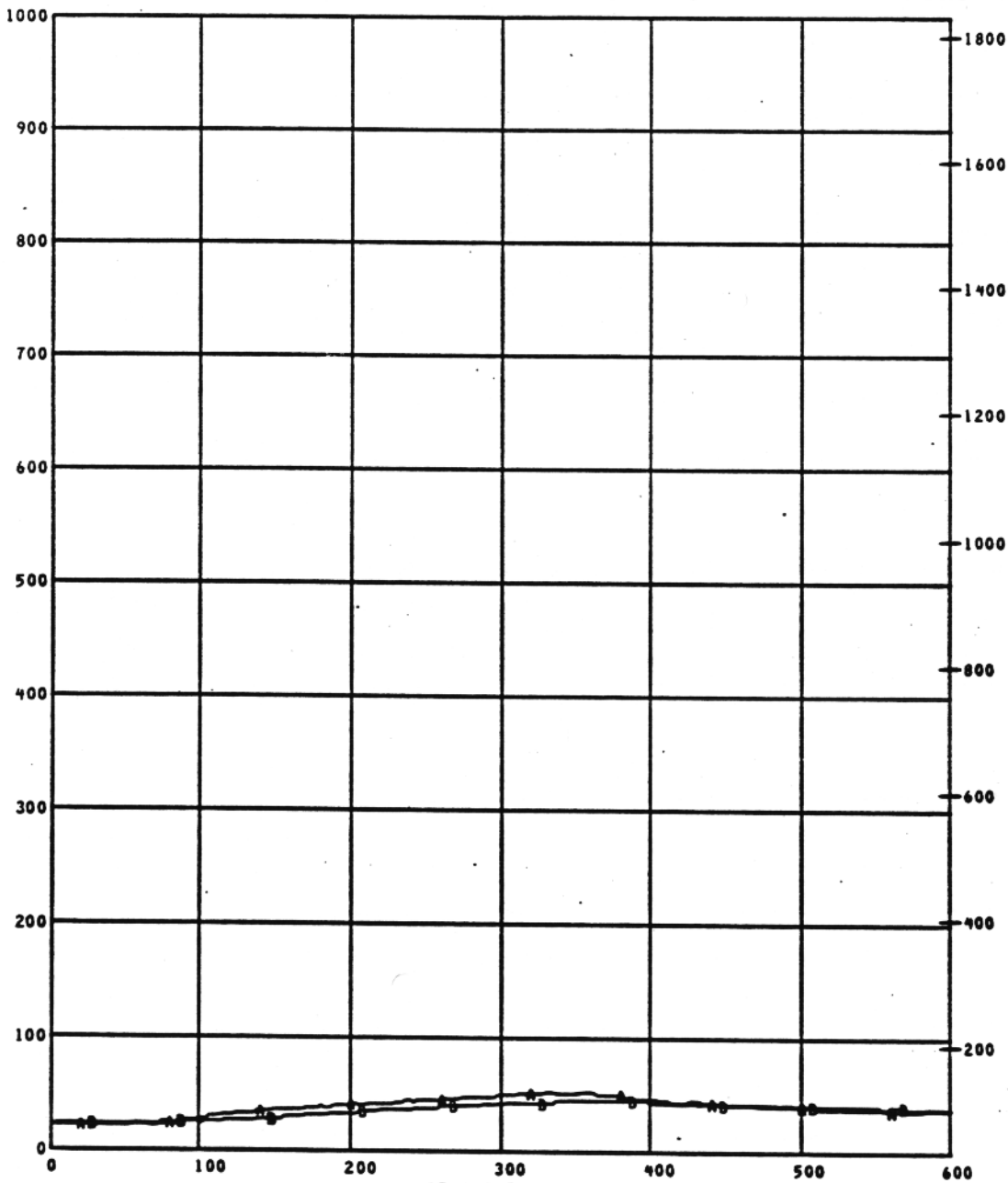
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 11 05 00.000



D
E
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MEAS. NUMBER	CHANNEL ASGN.
\$ TRC	123
\$ TAO	124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

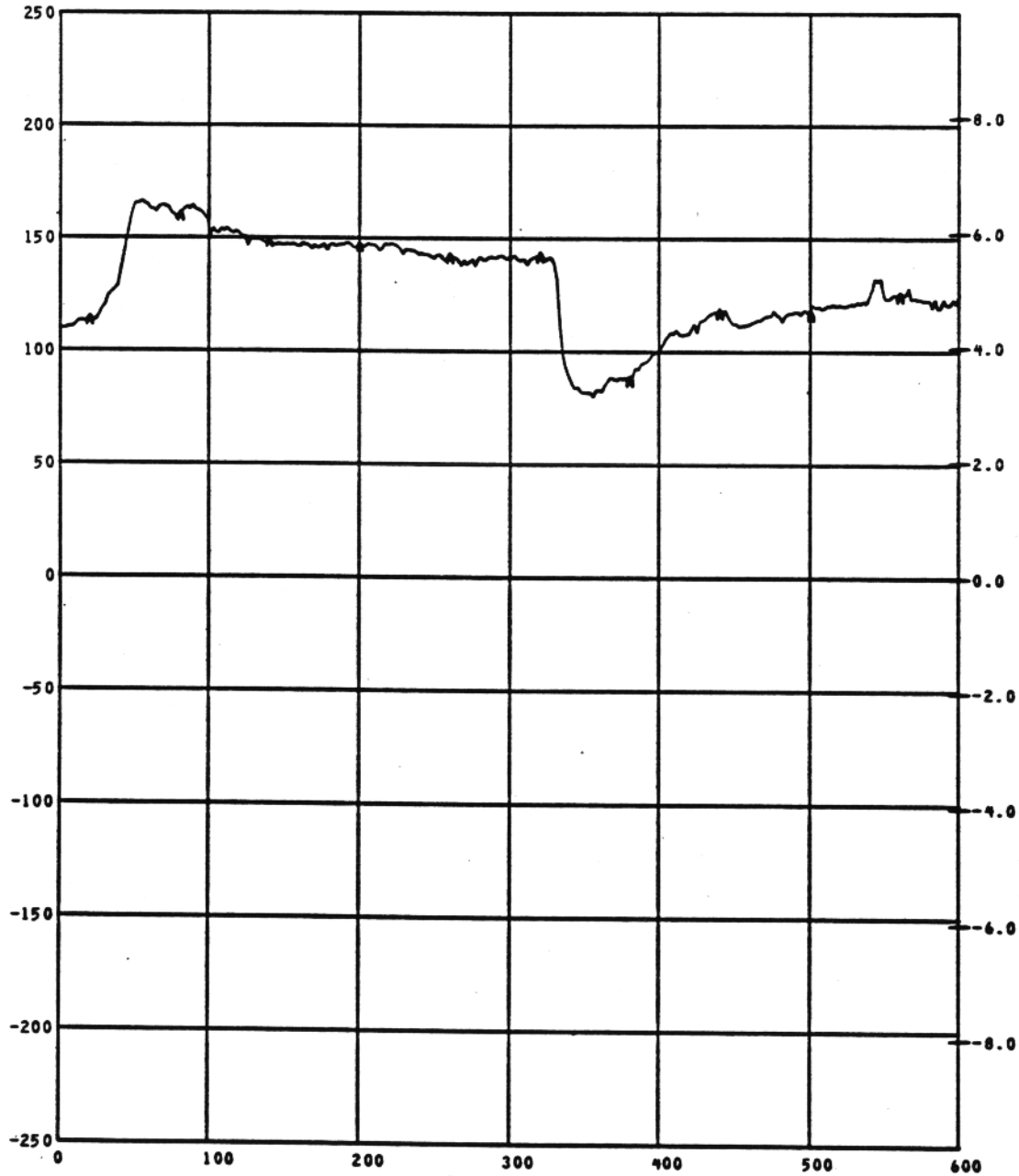
RANGE
0 TO 1000
0 TO 1000

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



I
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MEAS. NUMBER
& DPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

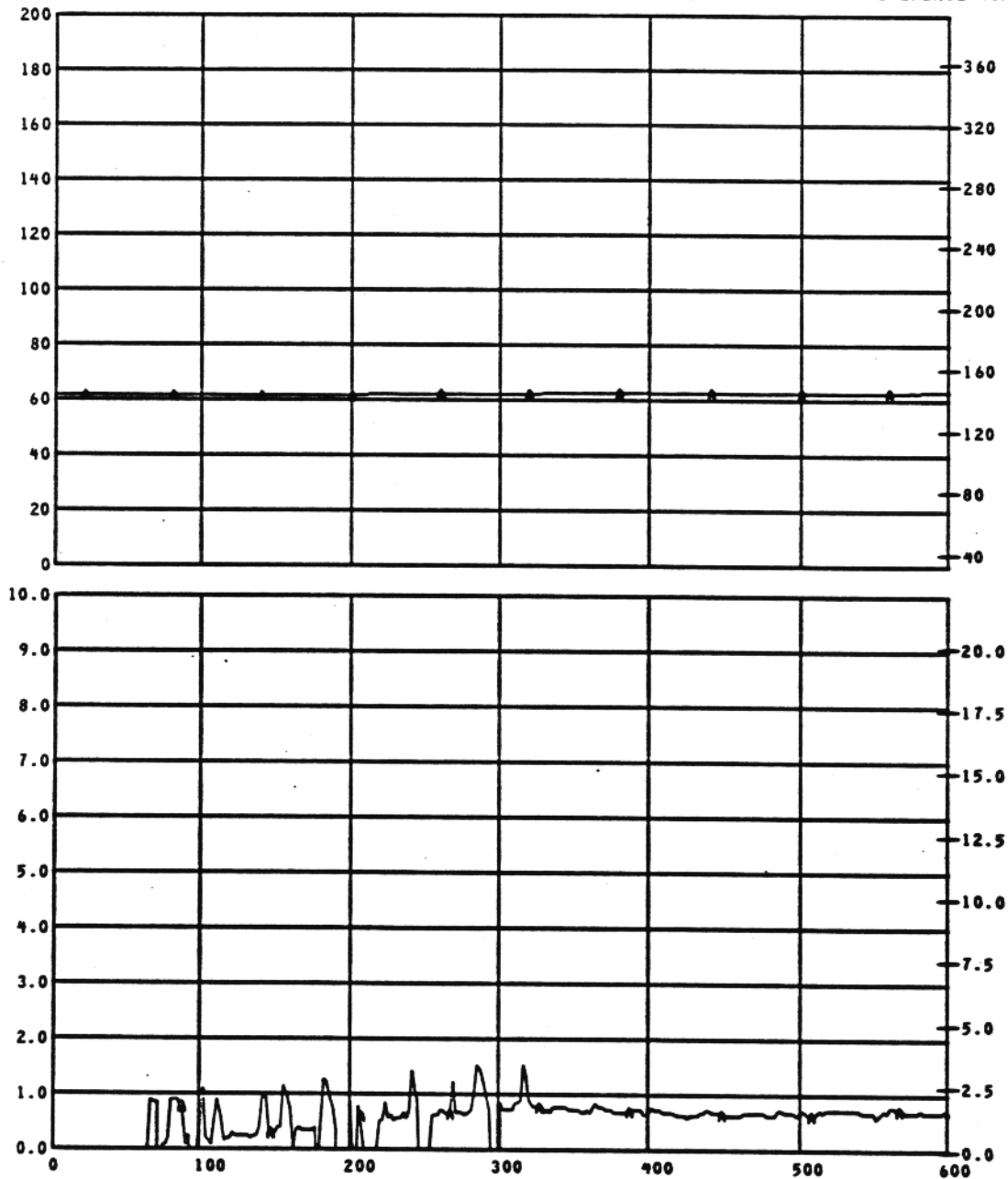
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 AA

TEST ID NASA5

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 11 05 00.000



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L
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S

MEAS. NUMBER
\$ TLC
\$ WL

CHANNEL ASGN.
125
149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

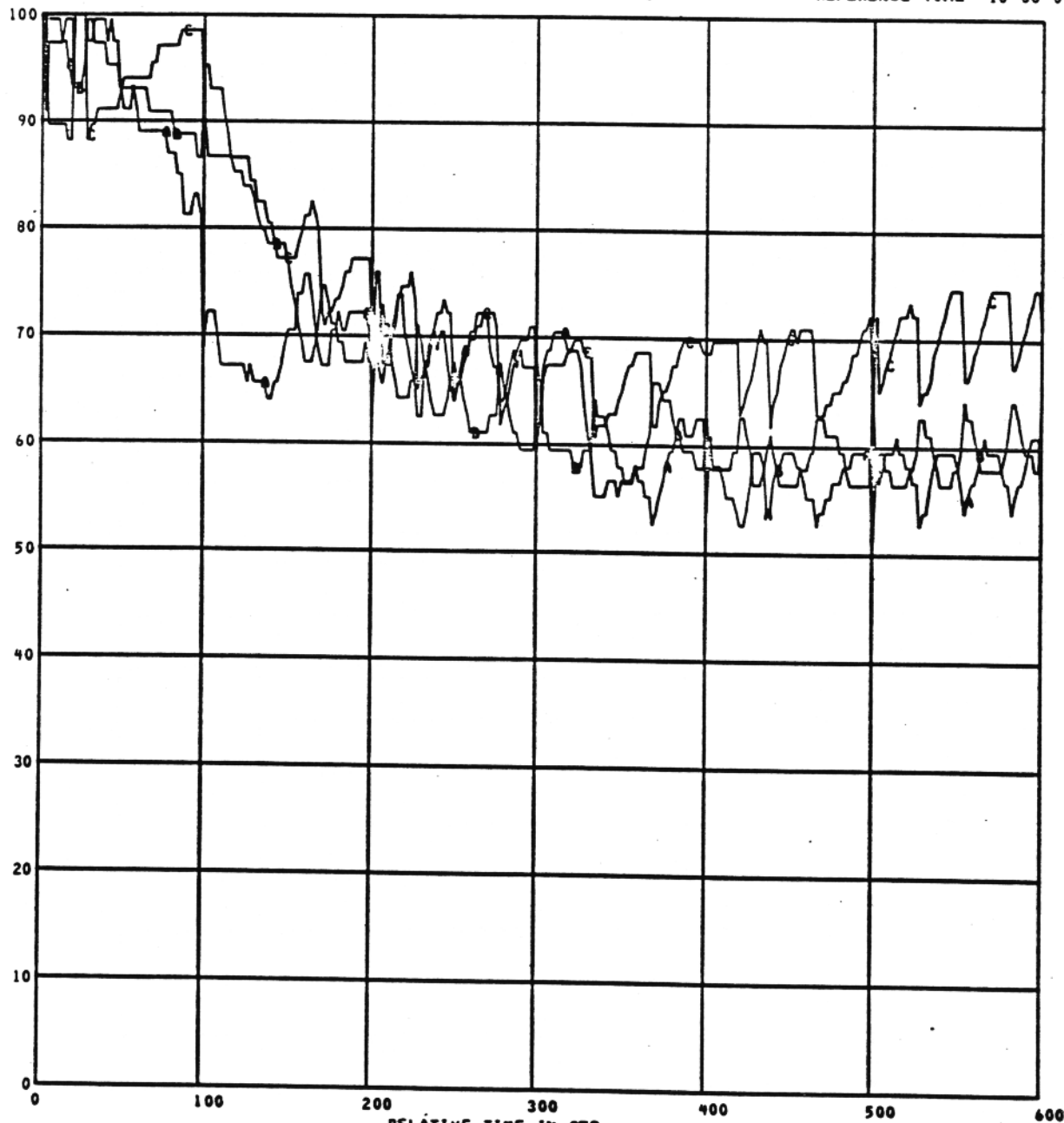
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 00 01.000

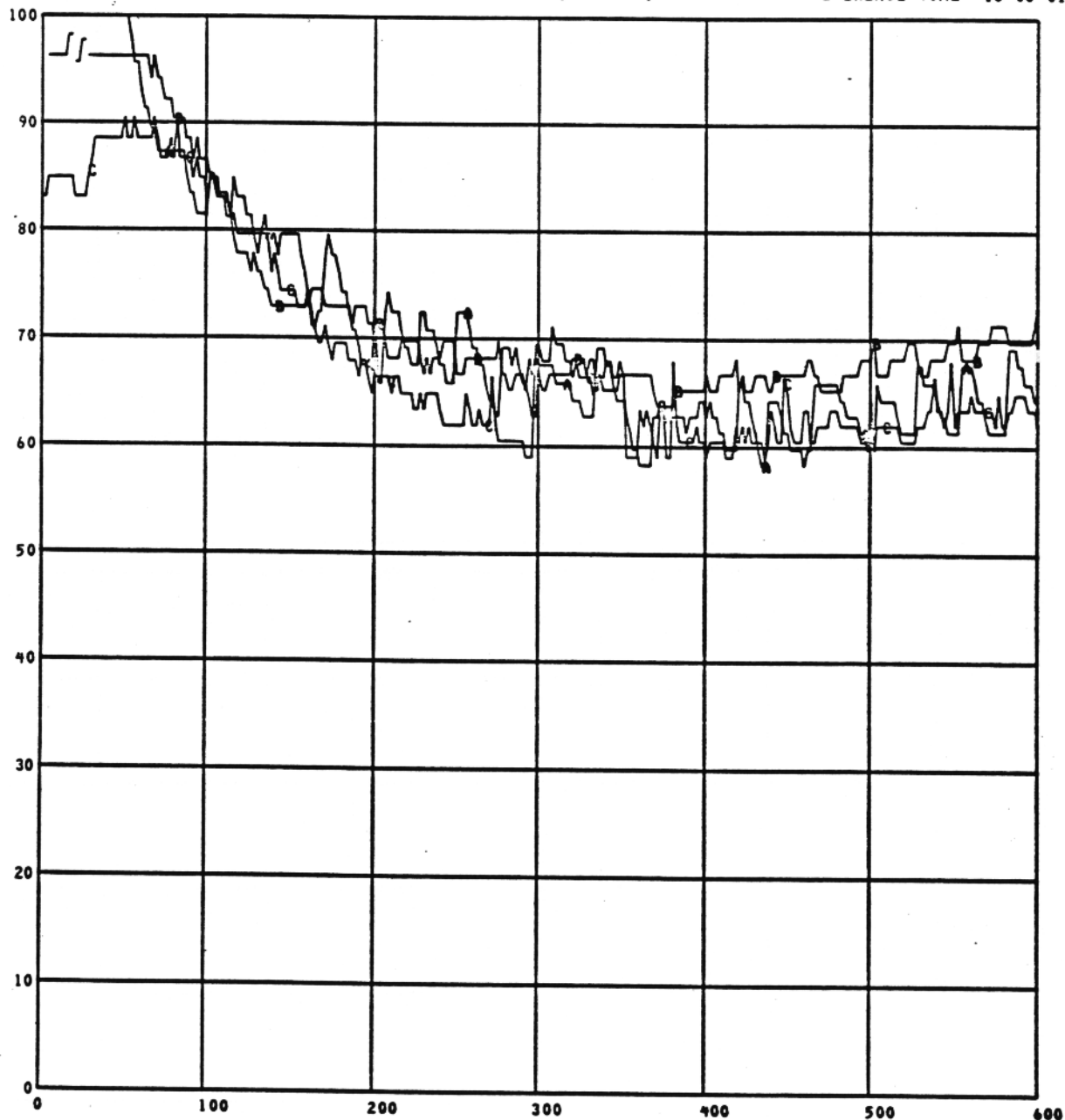


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10 00 01.000

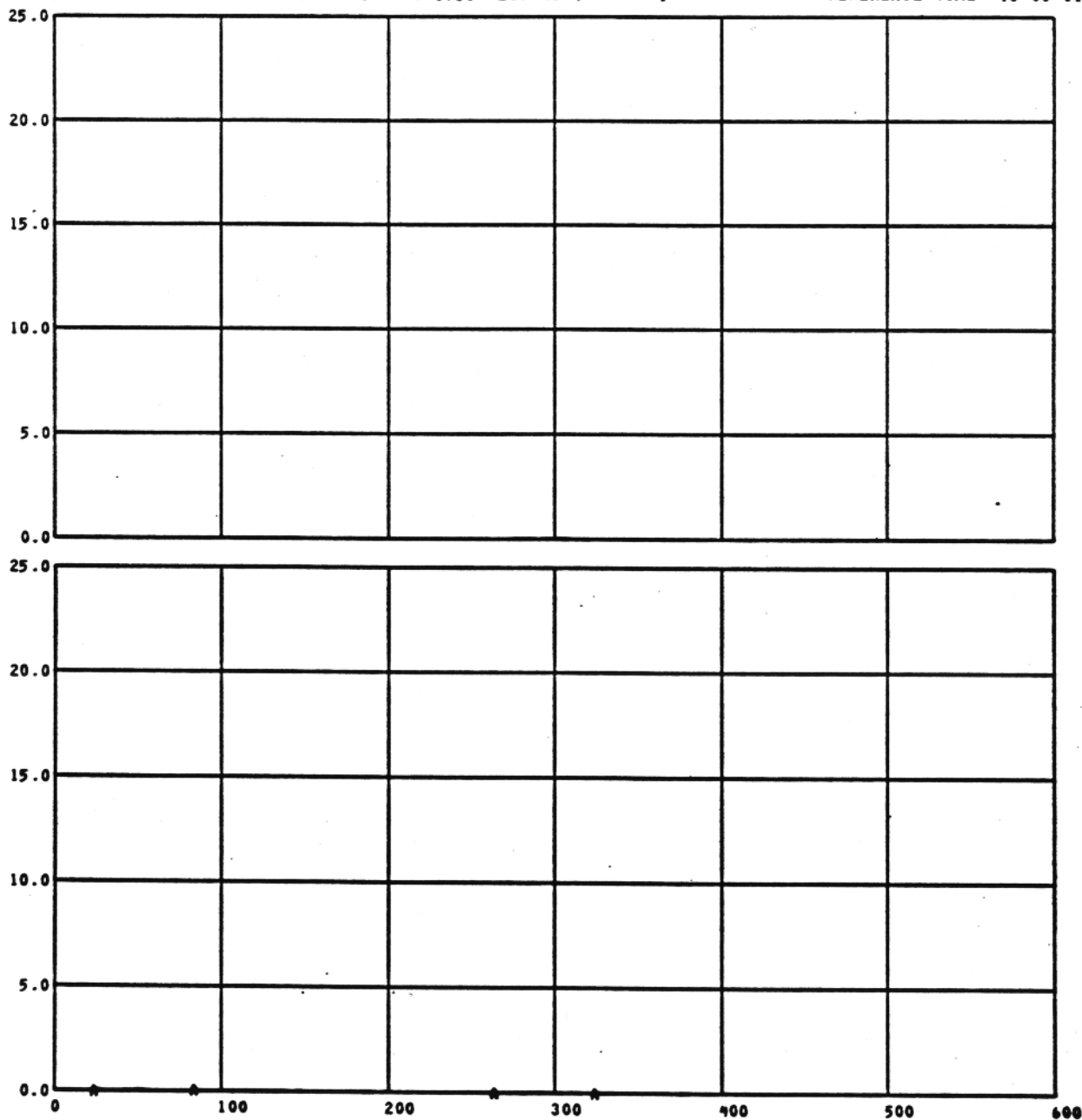


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 00 01.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

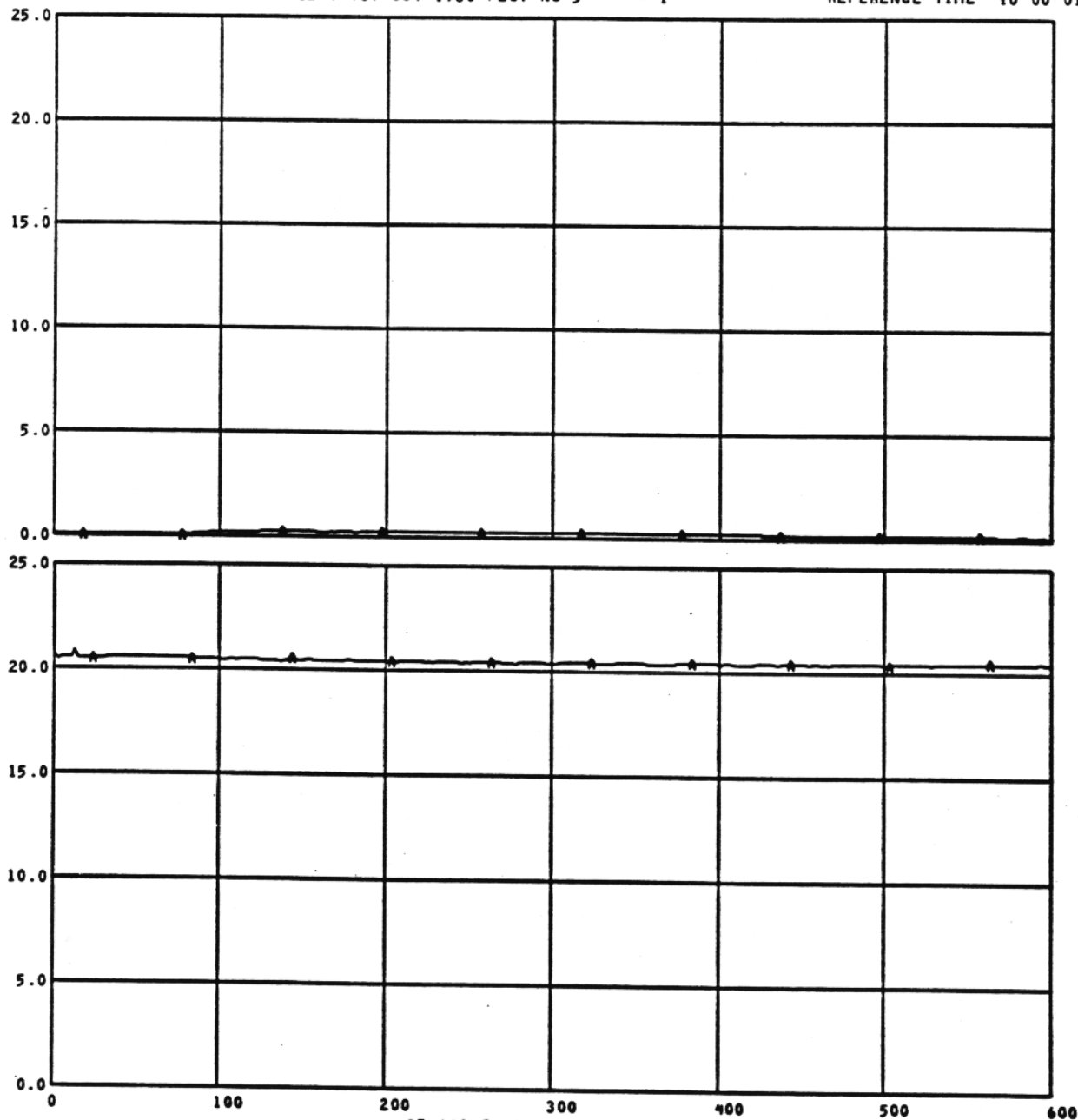
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 10 00 01.000

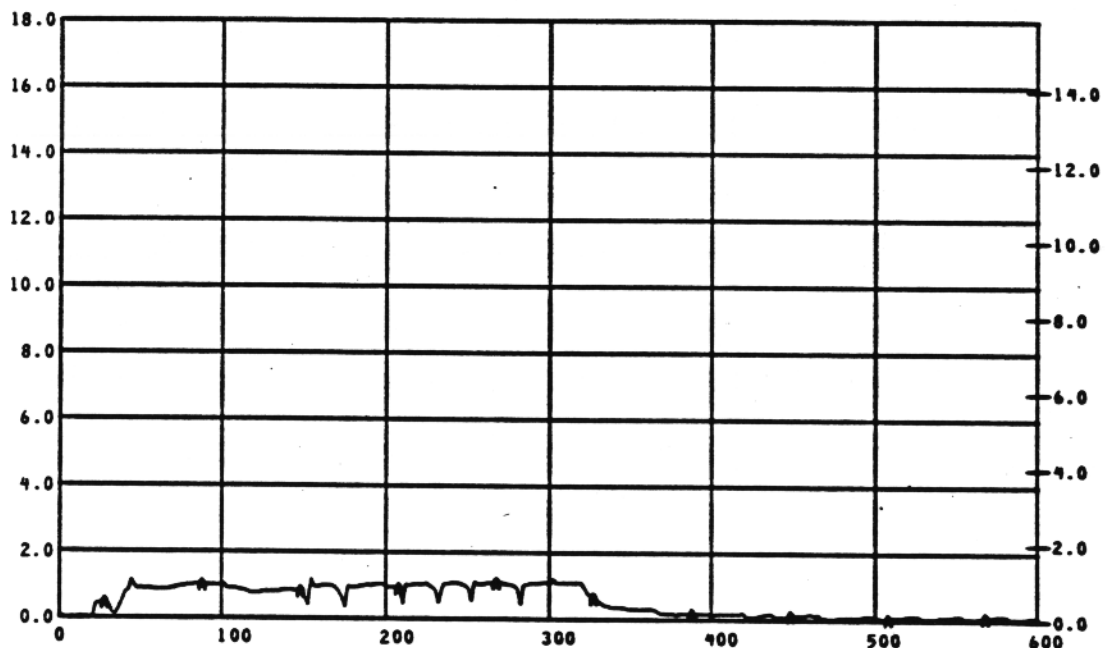
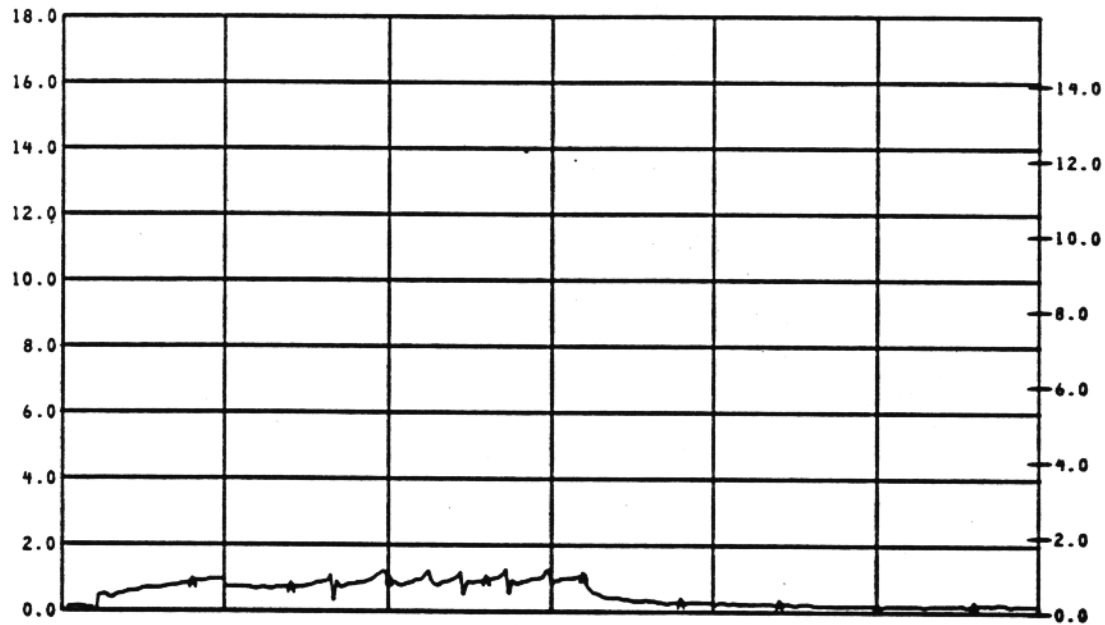


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 10 00 01.000



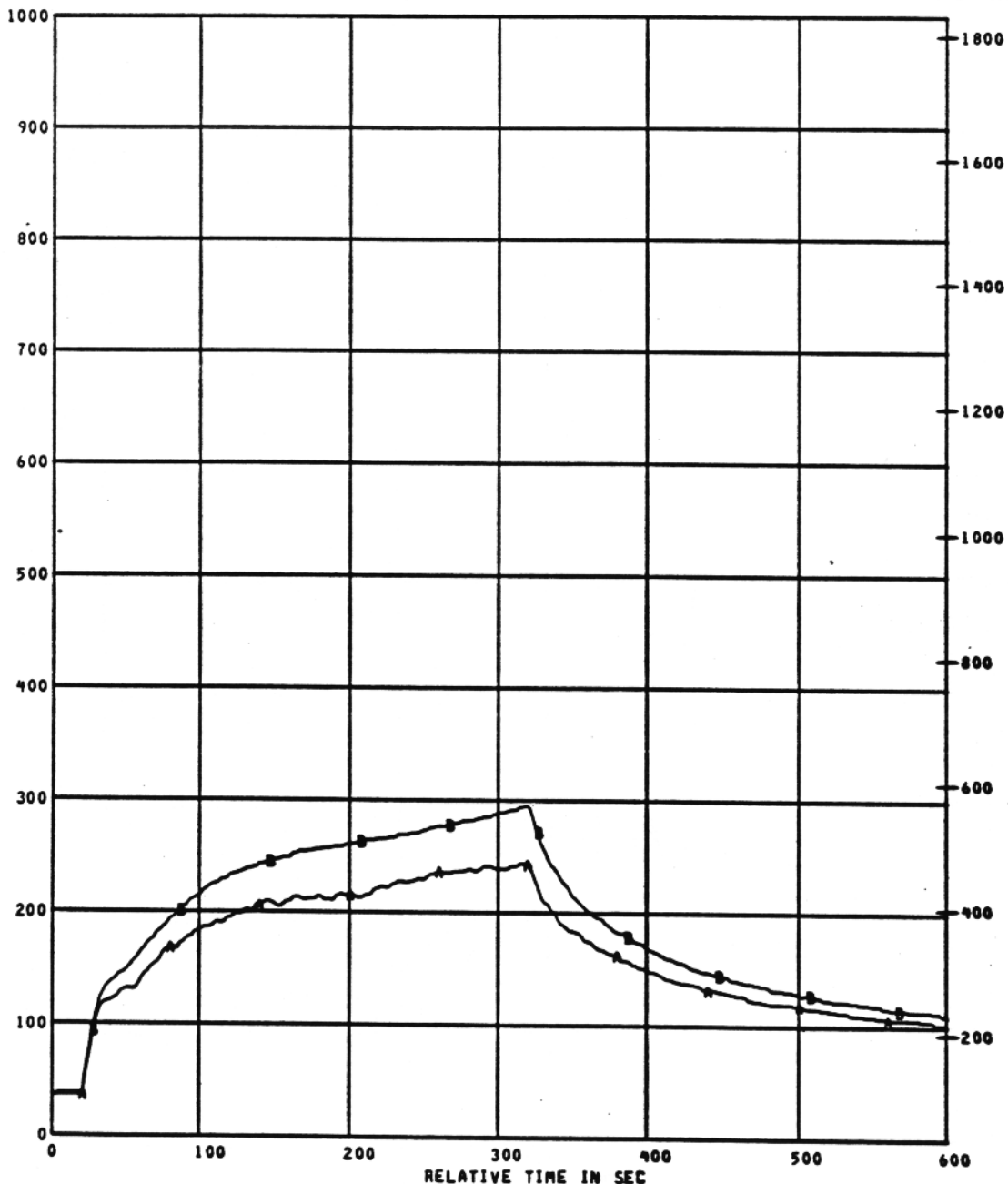
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
\$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
\$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 7

- 1

REFERENCE TIME 10 00 01.000



MEAS. NUMBER	CHANNEL ASGN.
* TSL1	101
* TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

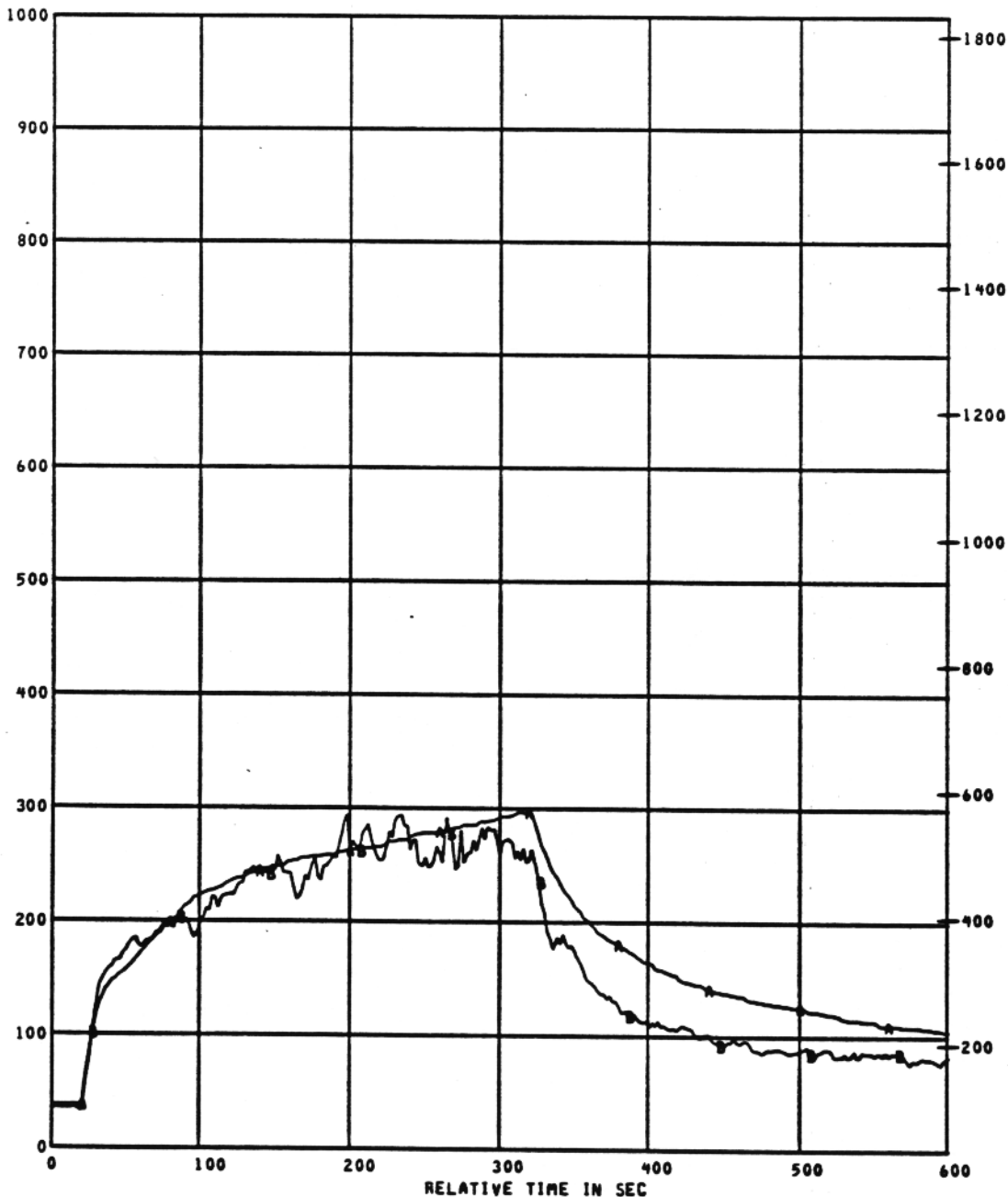
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 00 01.000



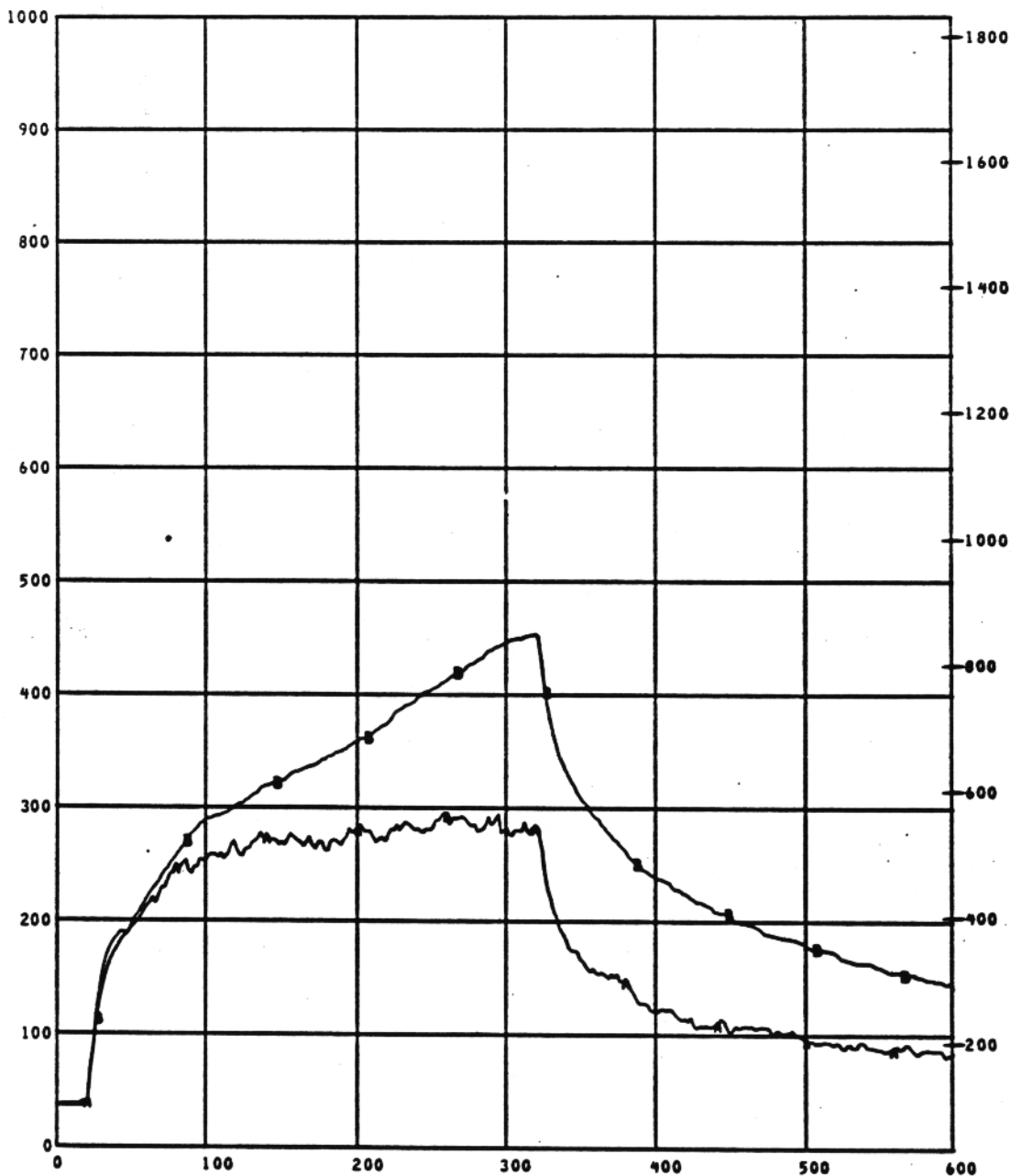
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
\$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 9

- 1

REFERENCE TIME 10 00 01.000



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MEAS. NUMBER	CHANNEL ASGN.
* TSC2	105
* TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

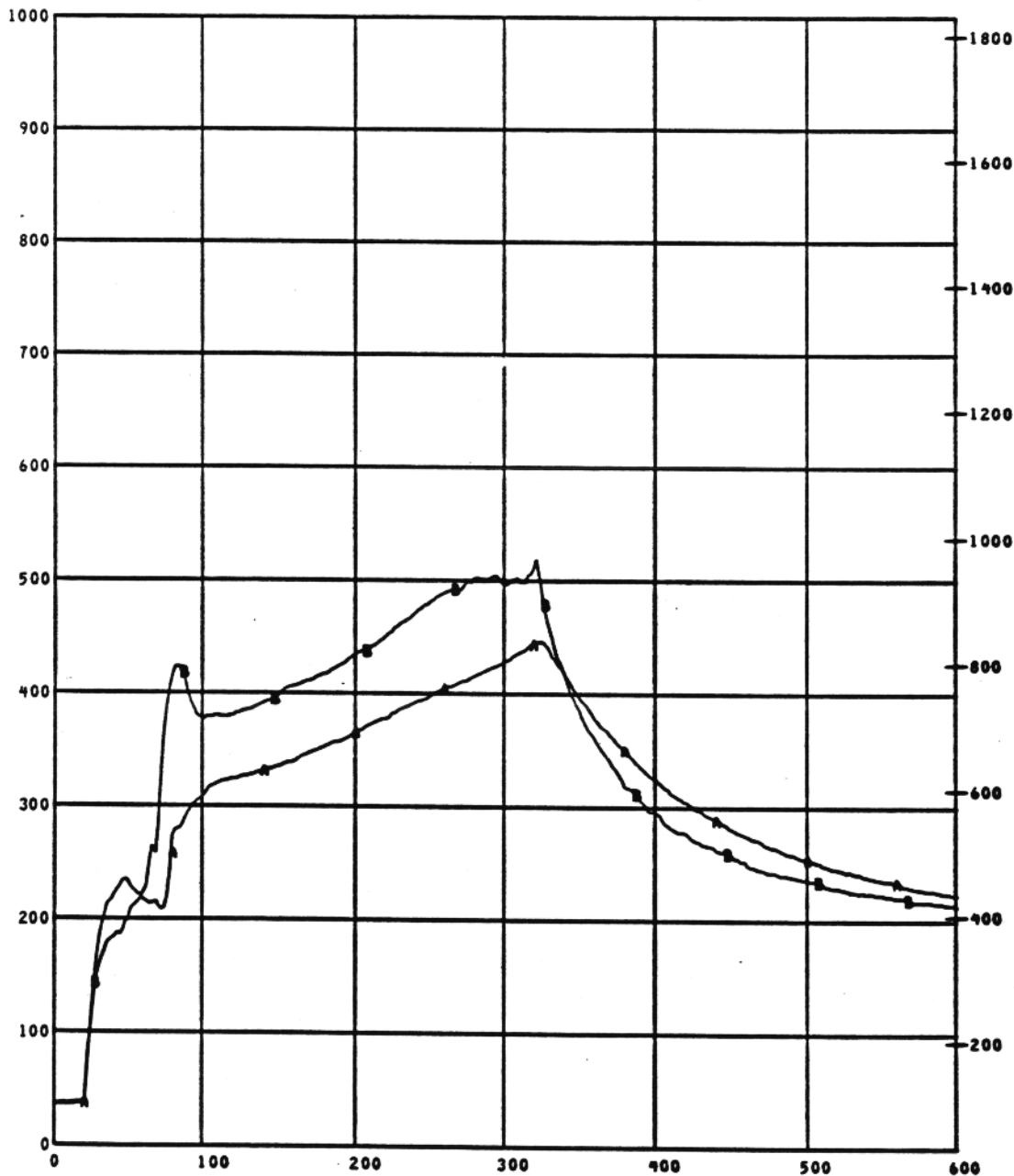
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 00 01.000

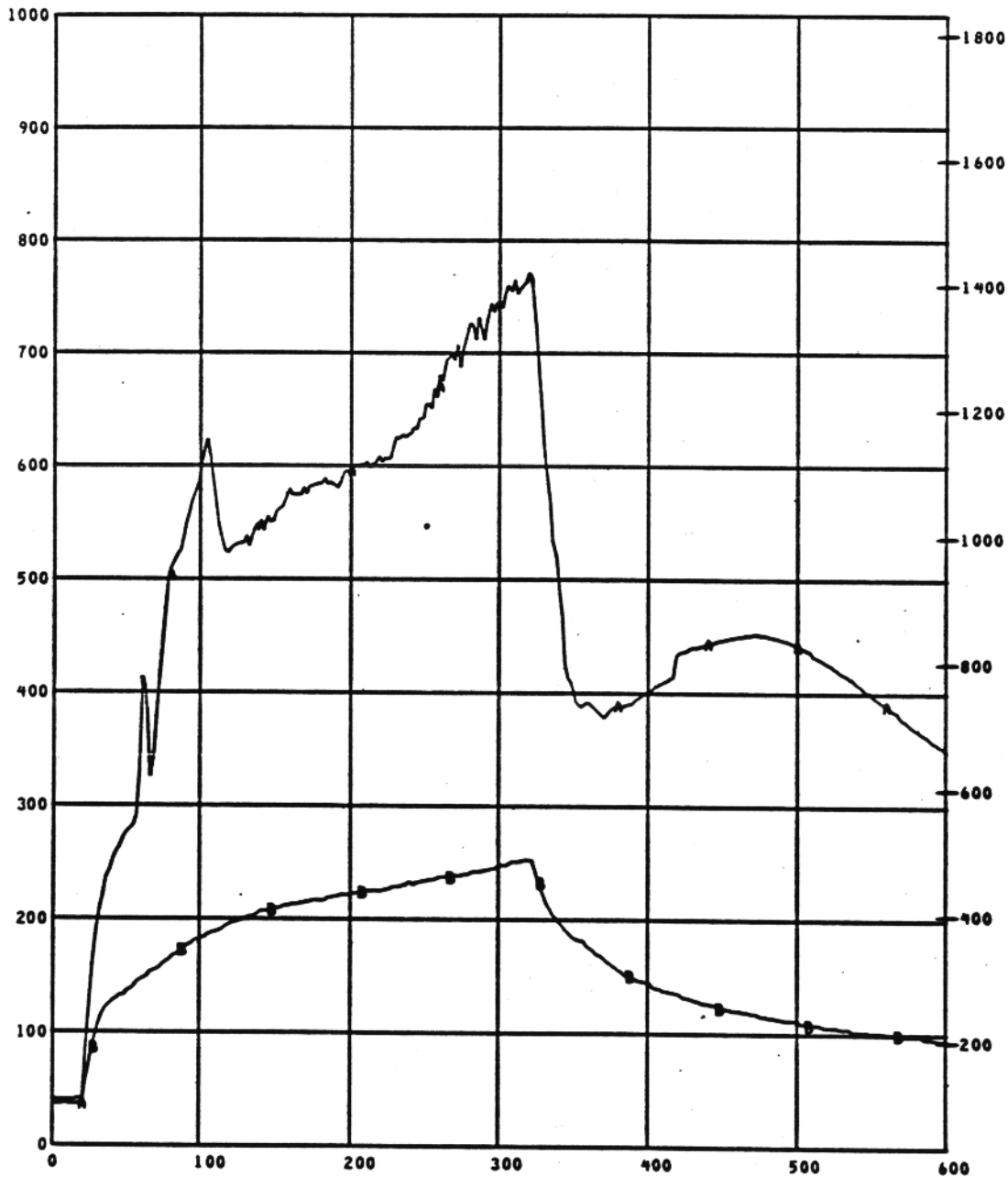


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 00 01.000



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

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

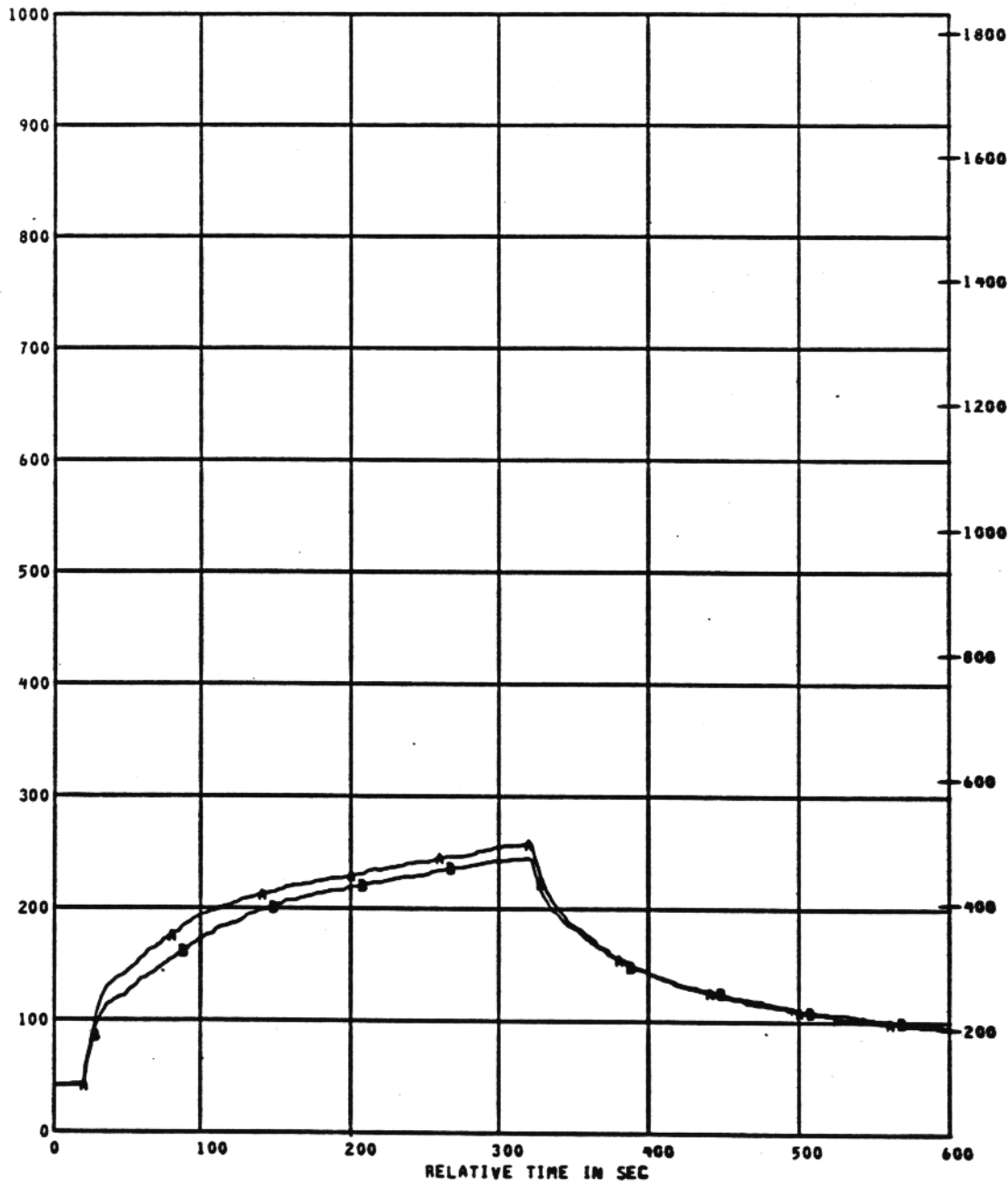
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 00 01.000

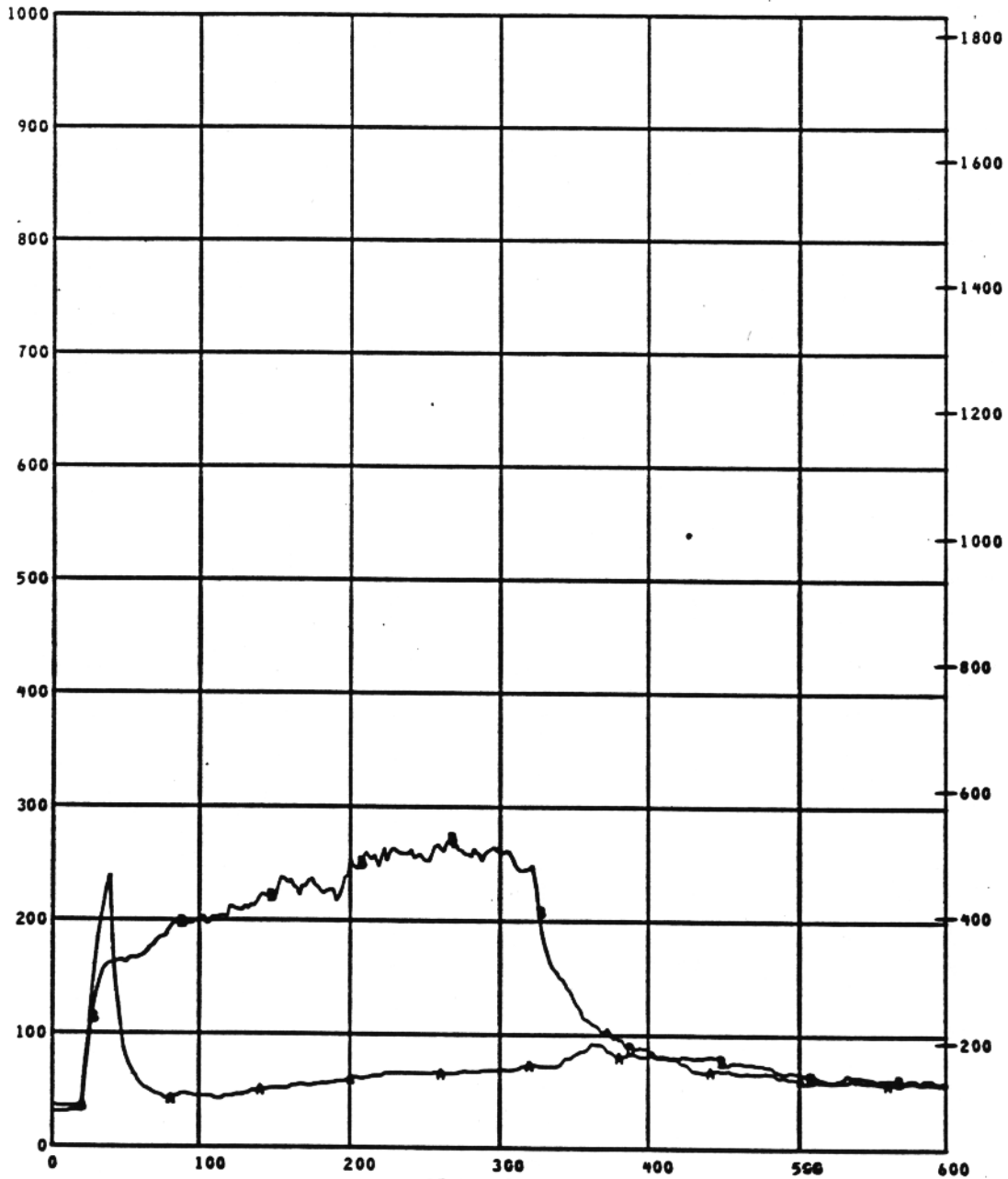


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID 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

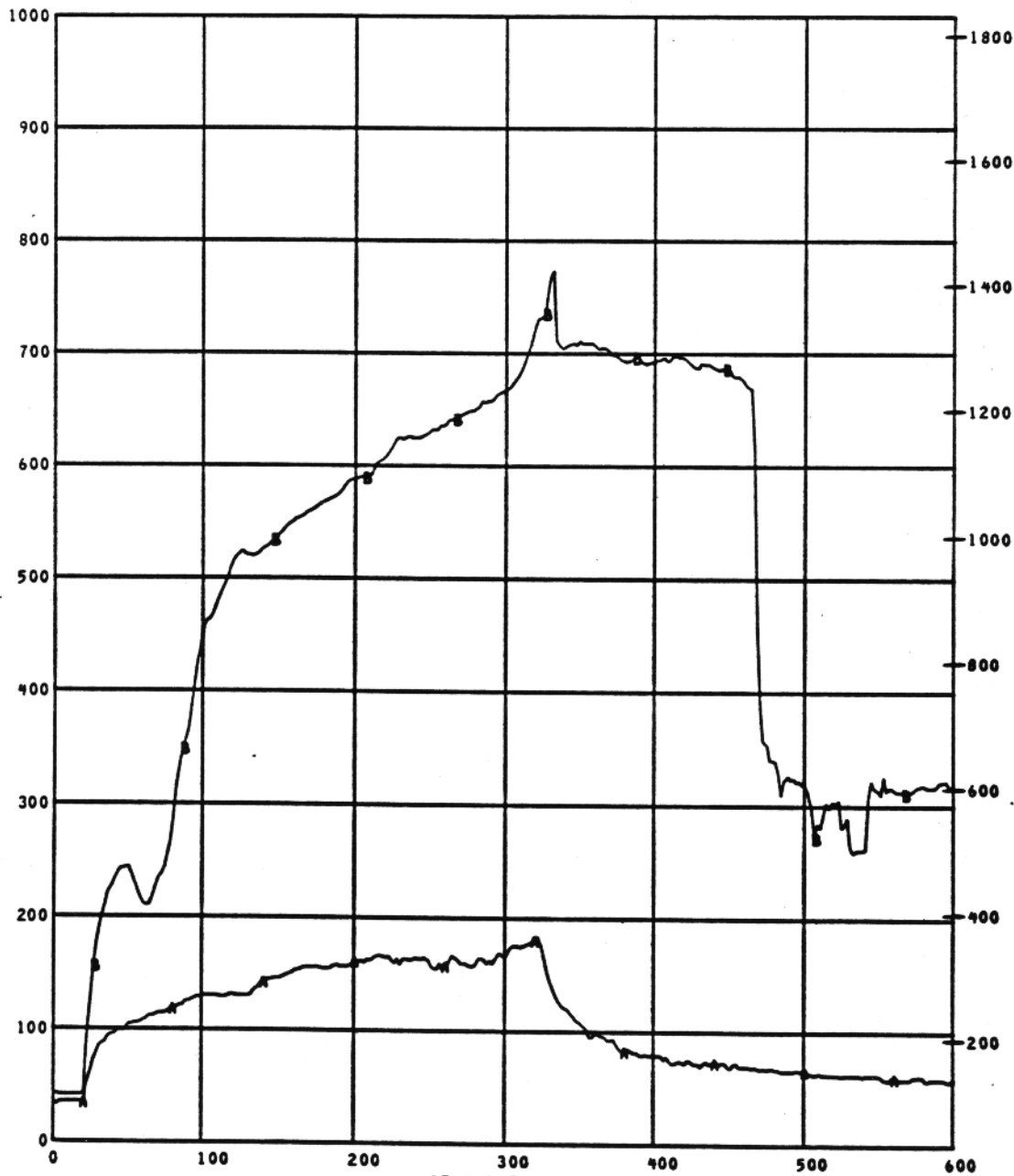
RANGE
0 TO 1600
0 TO 1600

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
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

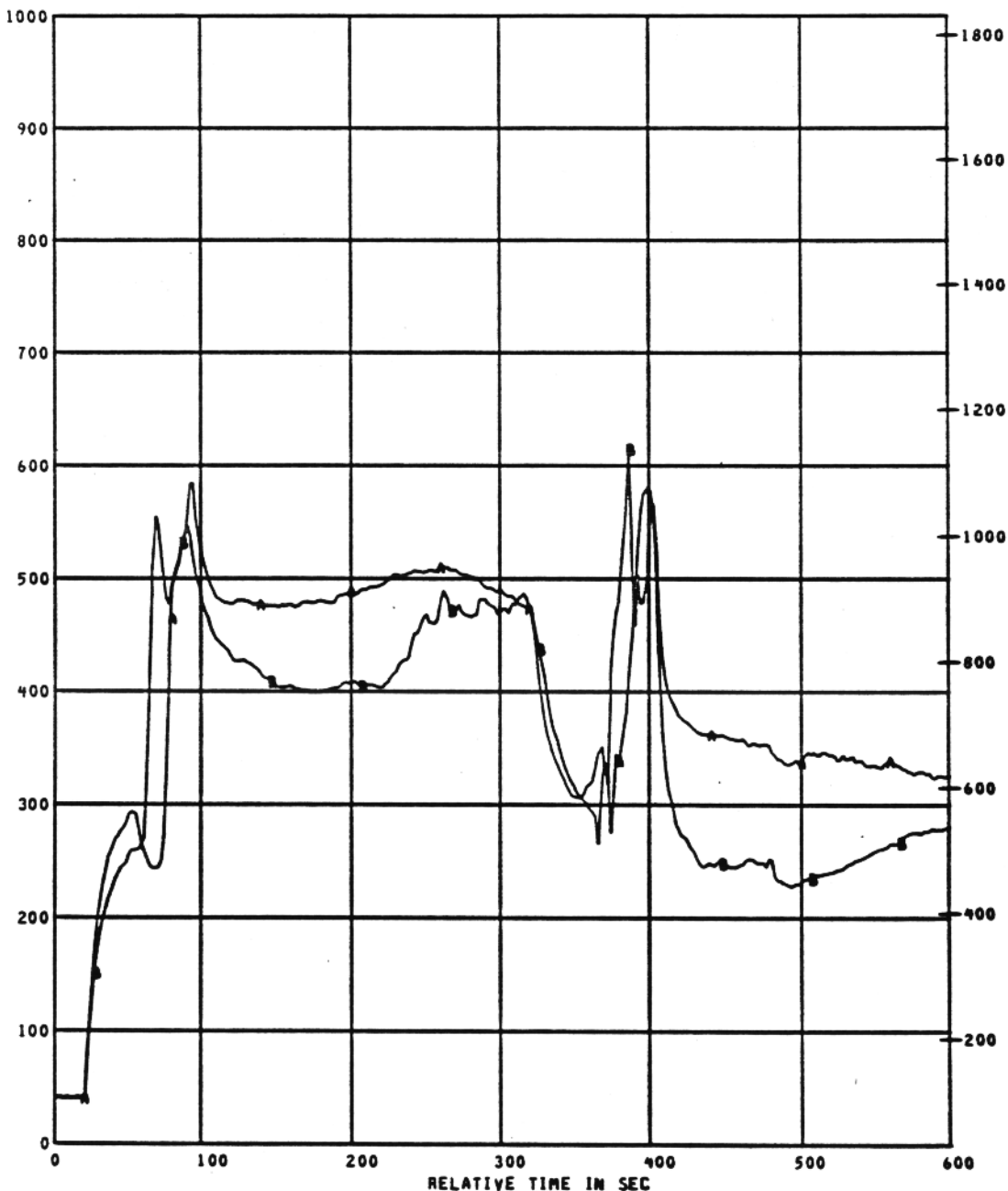
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 00 01.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBR2	117
\$ TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

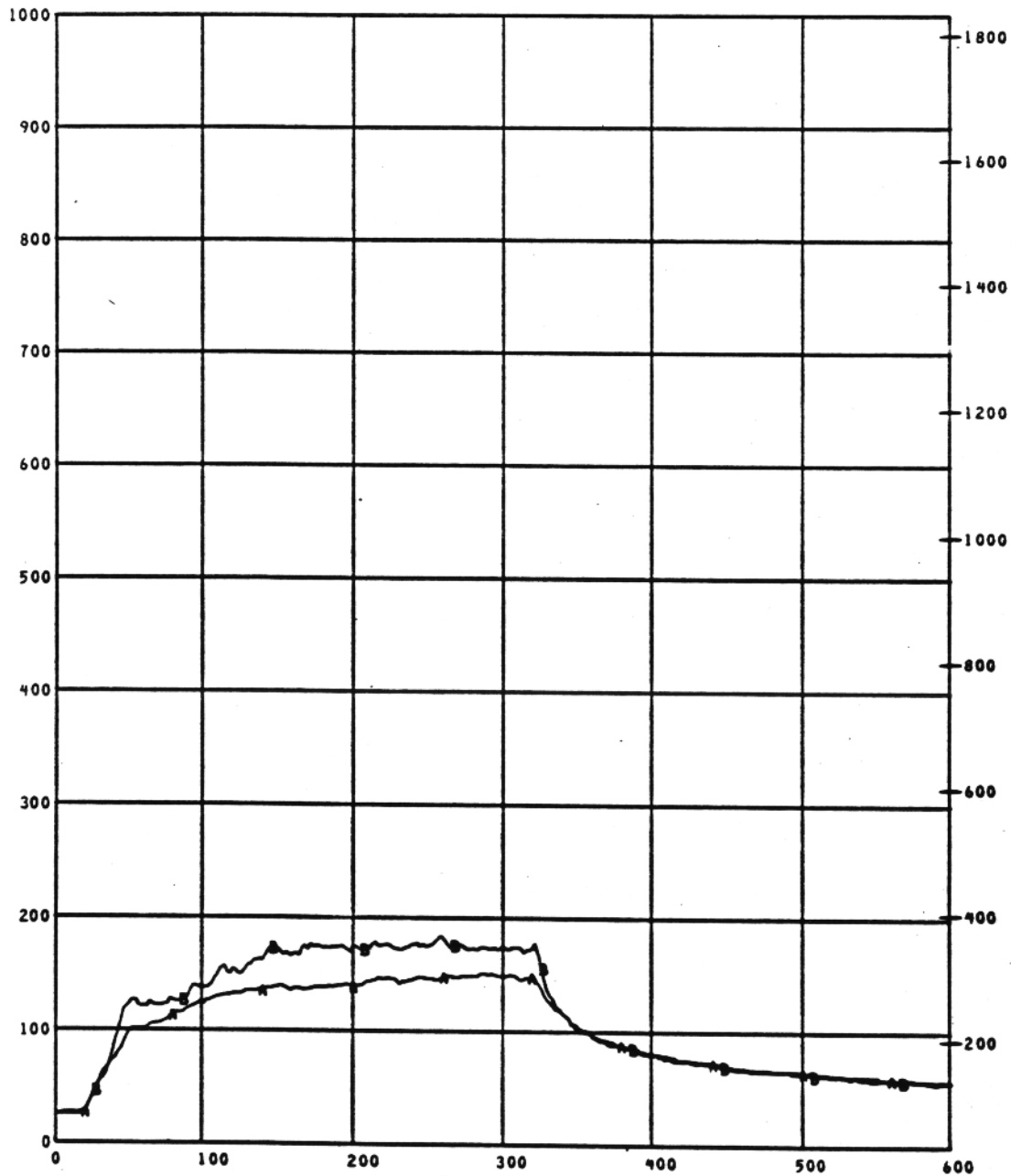
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 00 01.000



D
E
G
F

MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

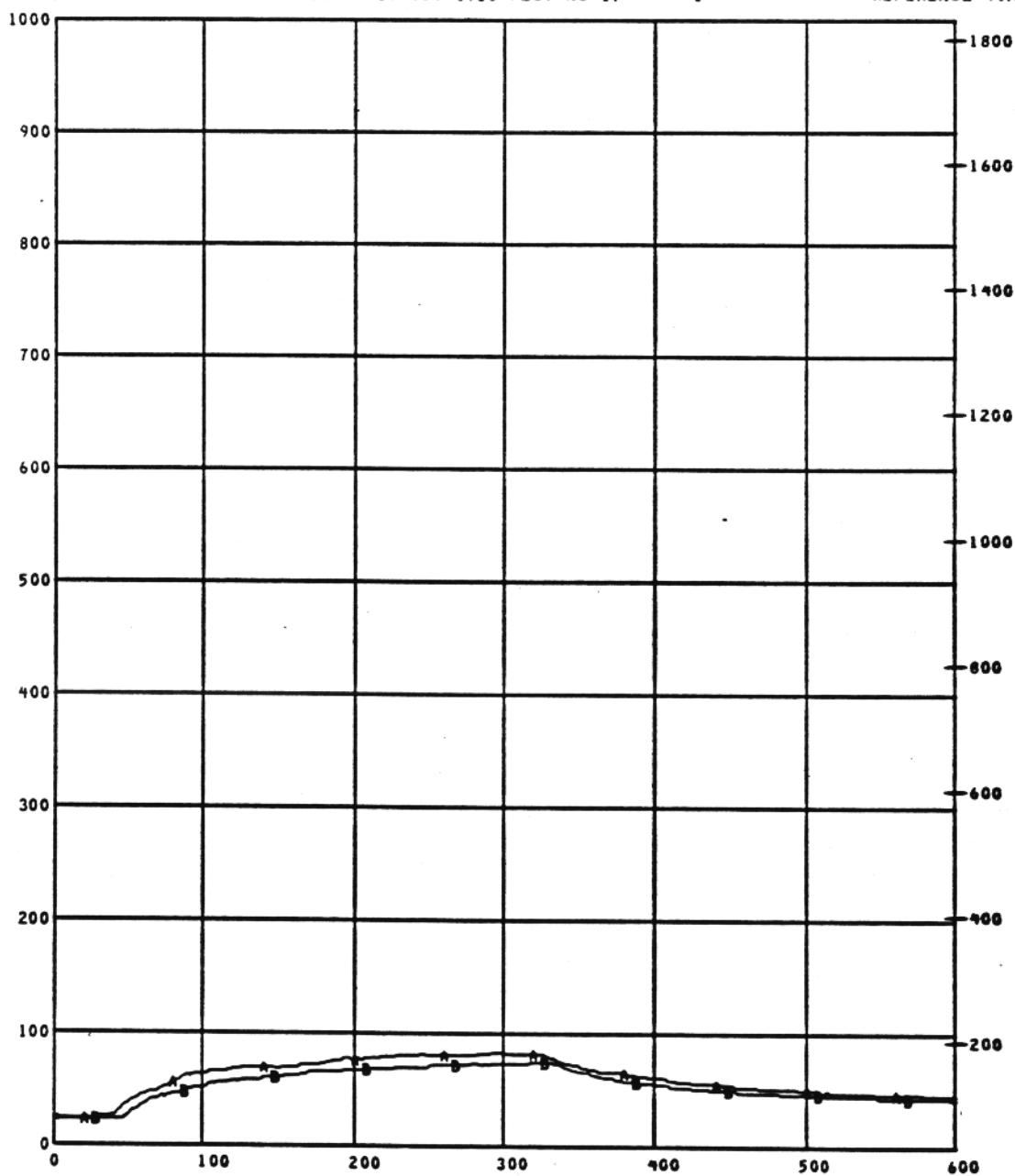
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 00 01.000



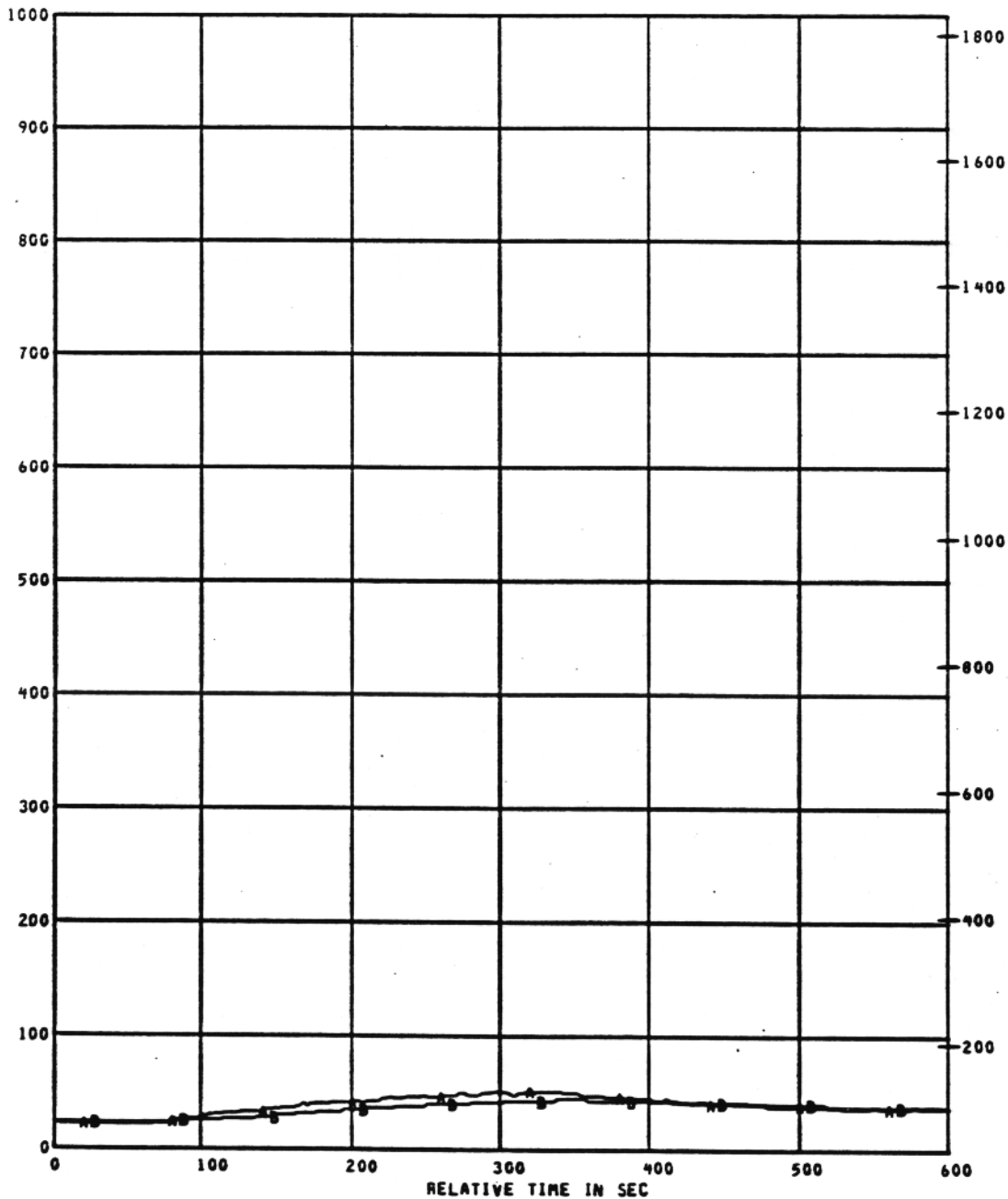
D
E
G
F

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 1980 PLOT NO 18 - 1

REFERENCE TIME 10 00 01.000



MEAS. NUMBER
\$ TRC
\$ TAO

CHANNEL ASGN.
123
124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

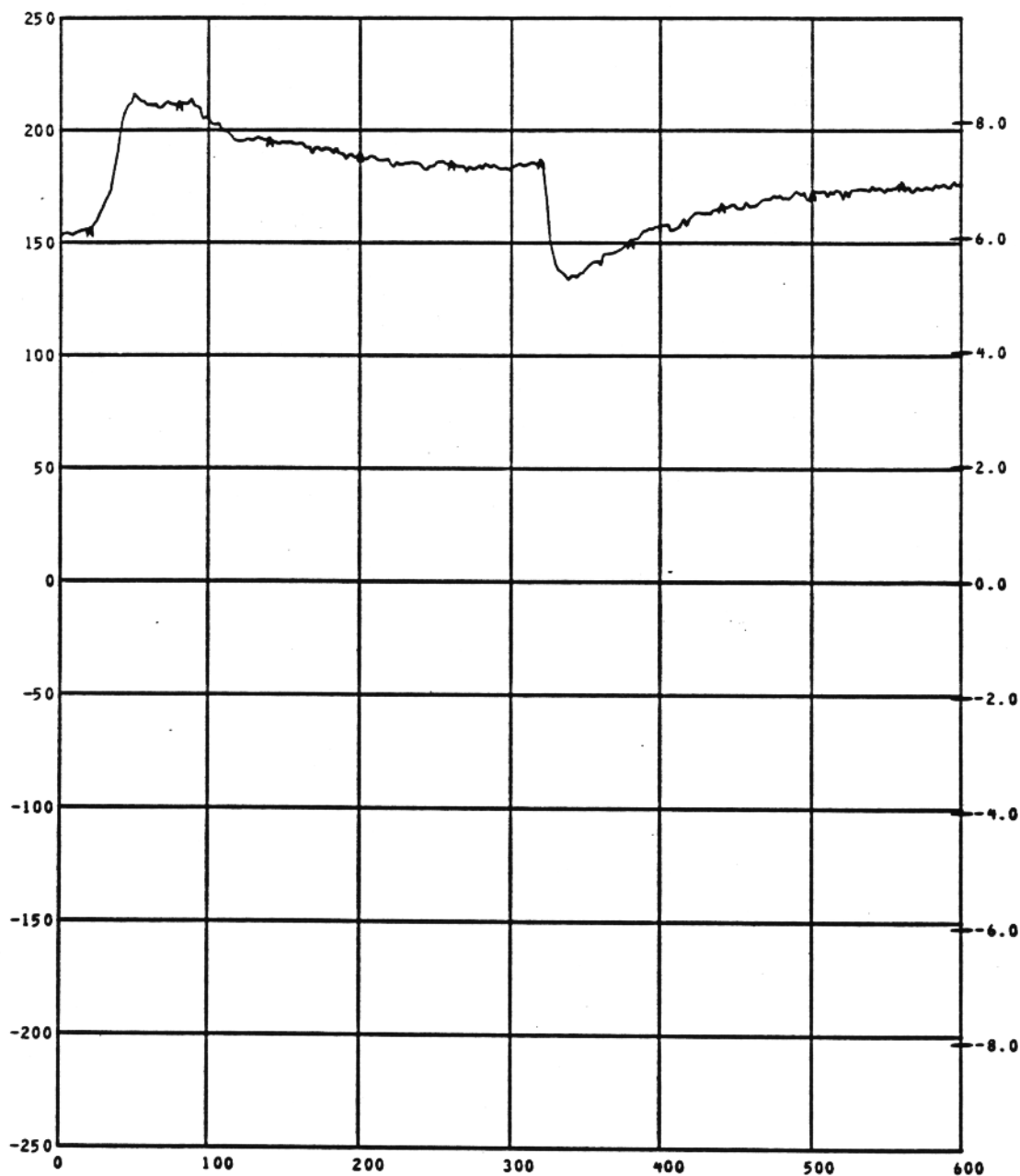
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 00 01.000



I
N
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MEAS. NUMBER
3 DPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

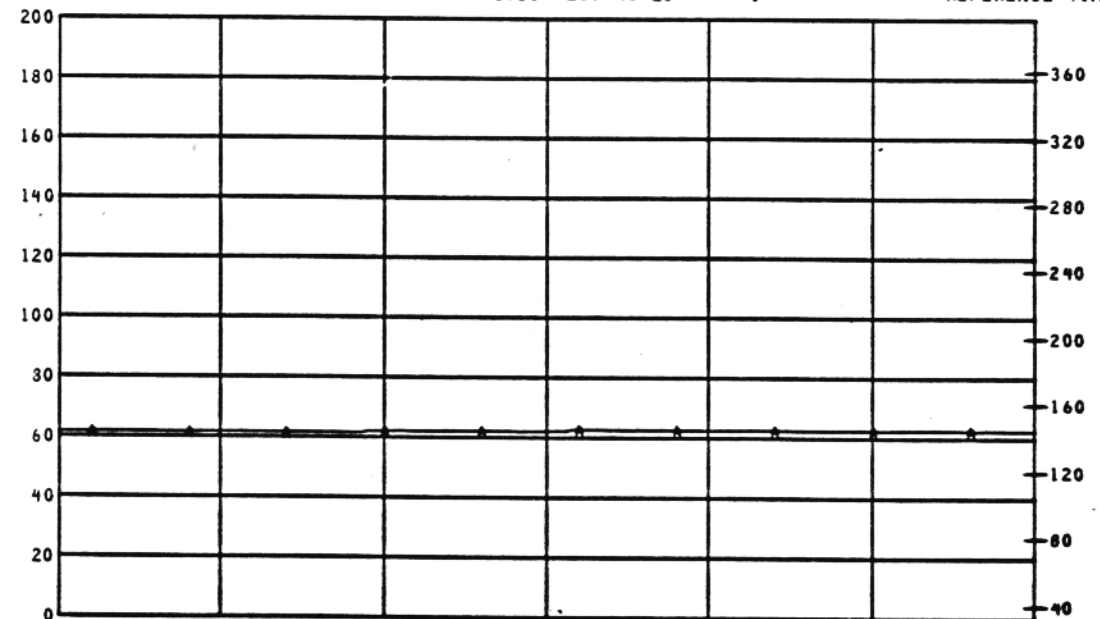
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

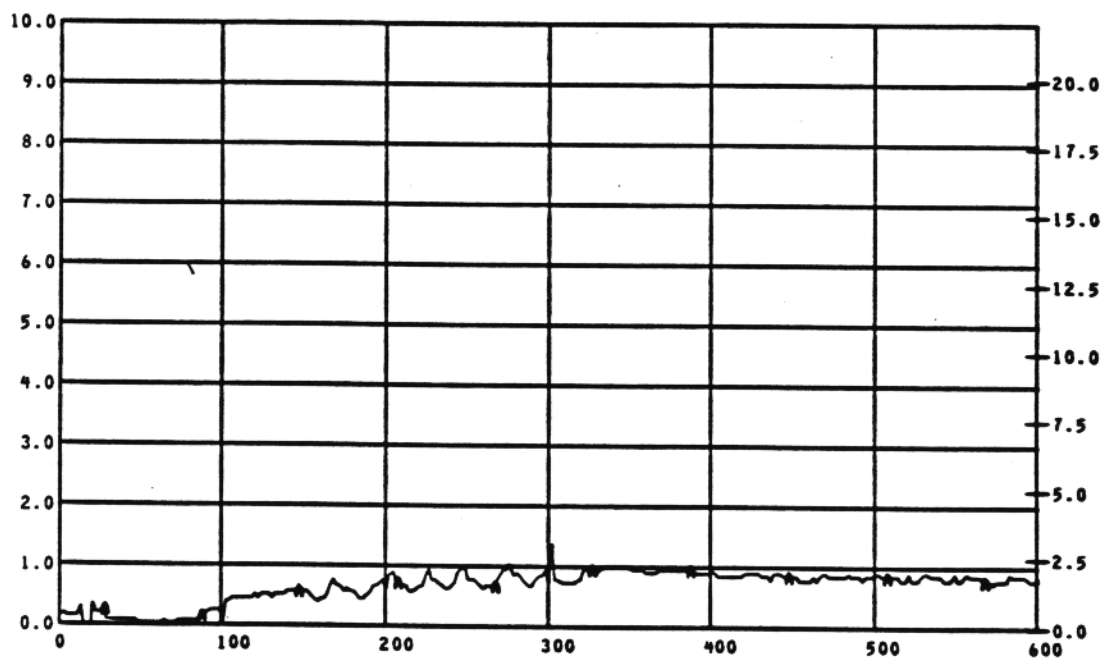
TEST ID NASA6

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 00 01.000



D
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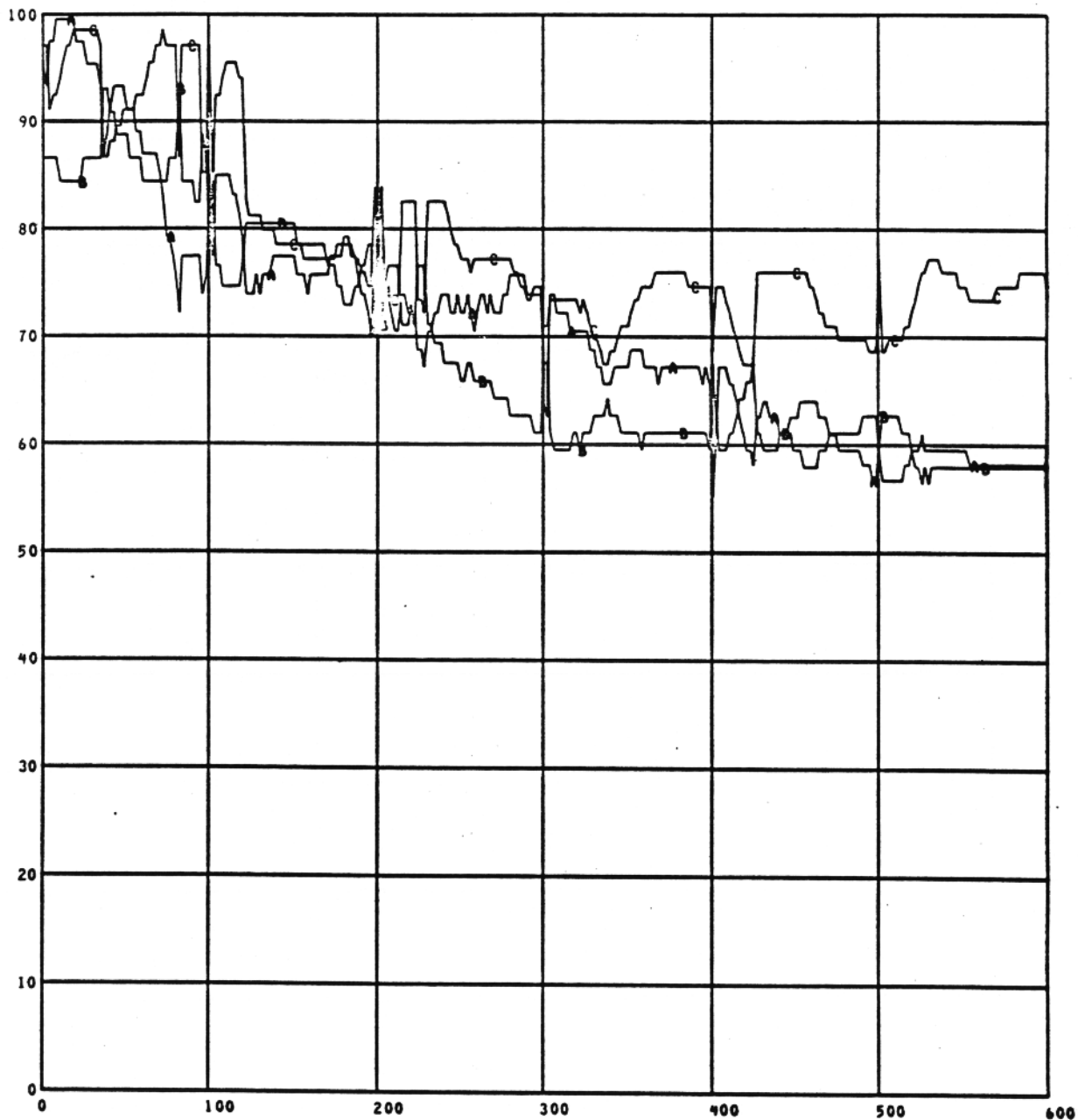
L
B
S

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 NASA7

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 13 17 58.000

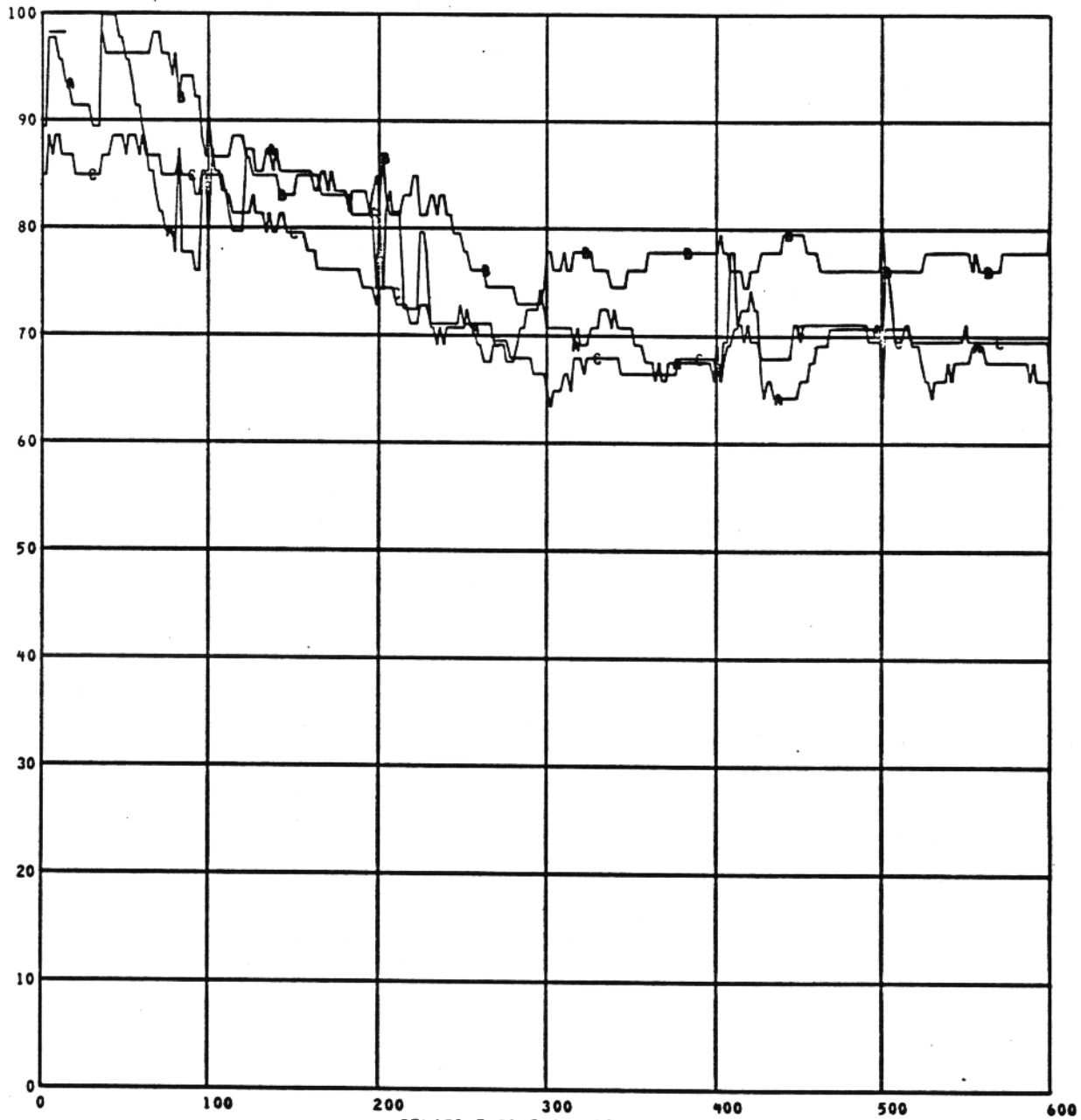


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 13 17 58.000



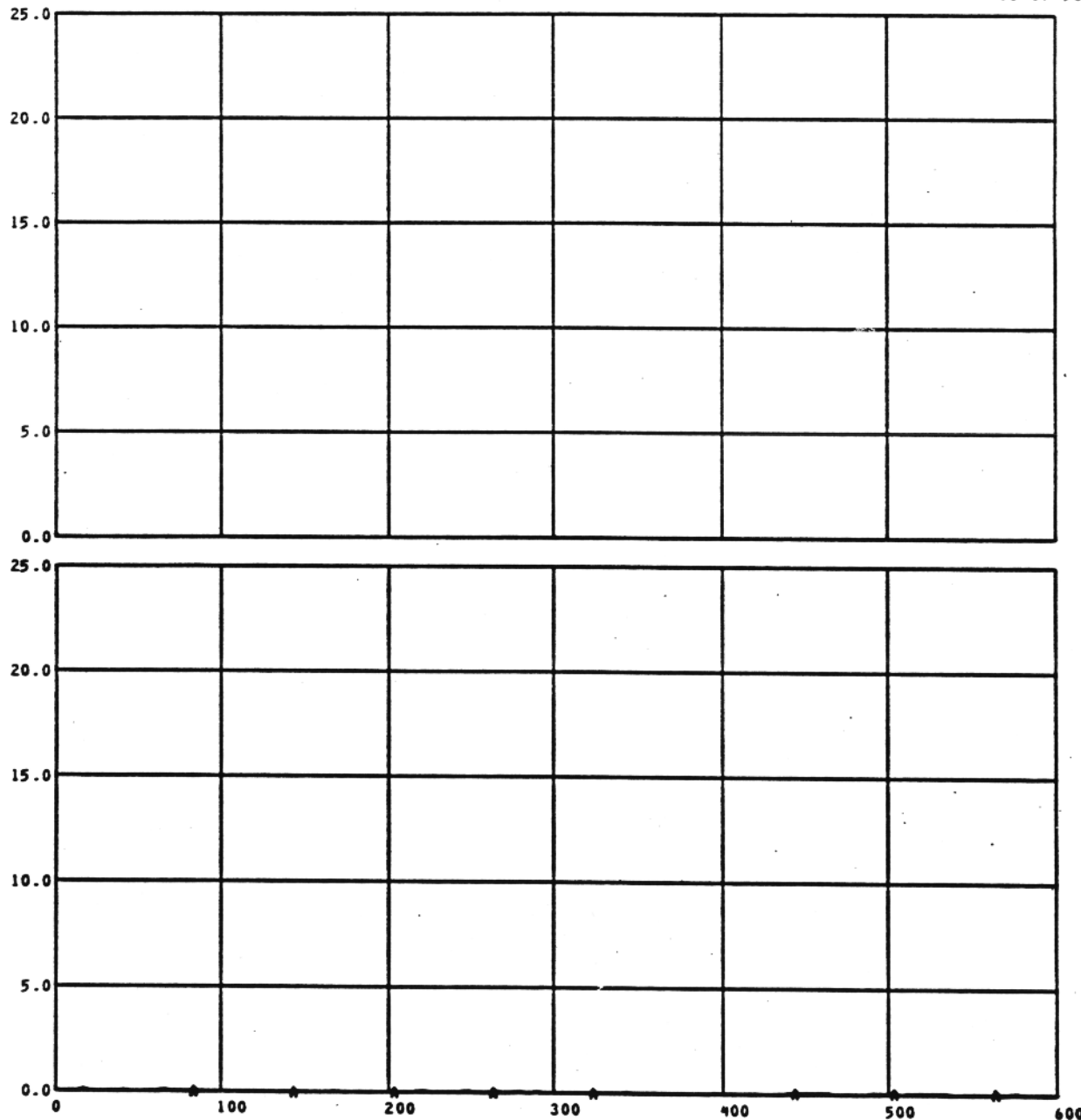
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 4

- 1

REFERENCE TIME 13 17 58.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

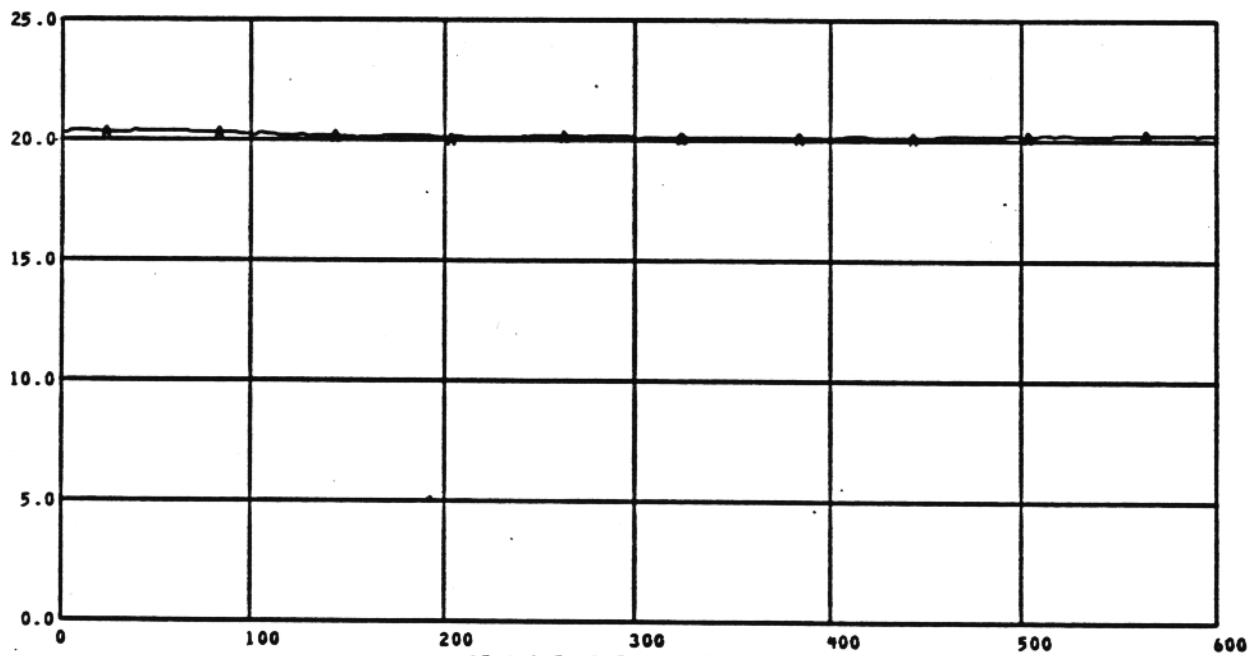
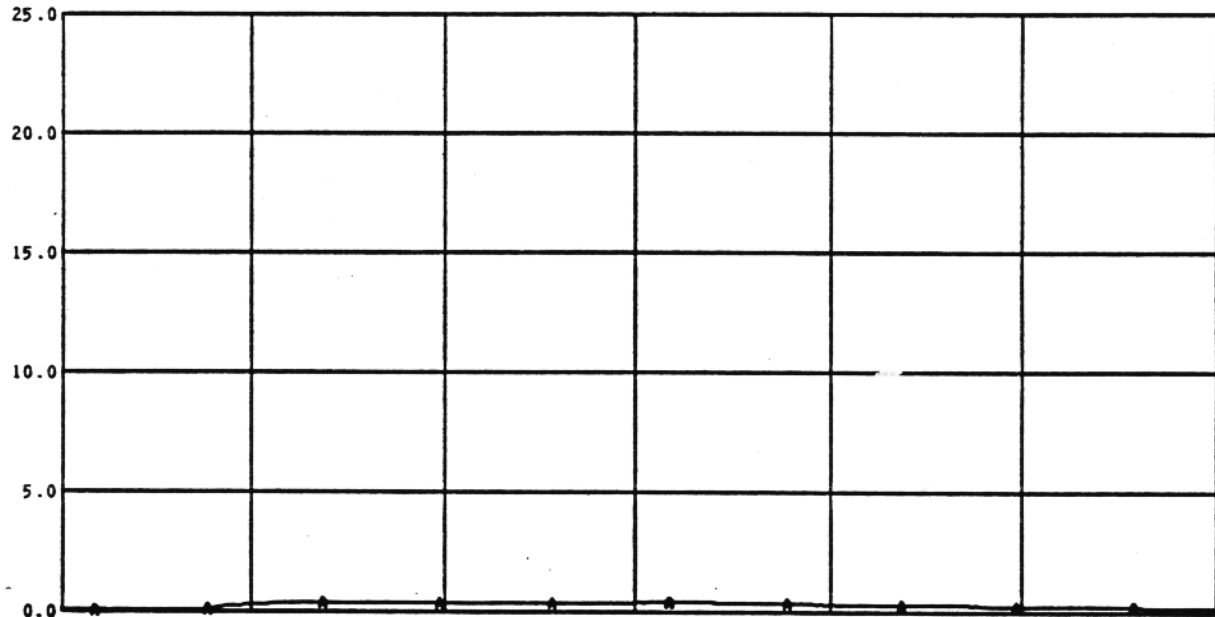
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 17 58.000



MEAS. NUMBER
CO2E
O2E

CHANNEL ASGN.
090
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

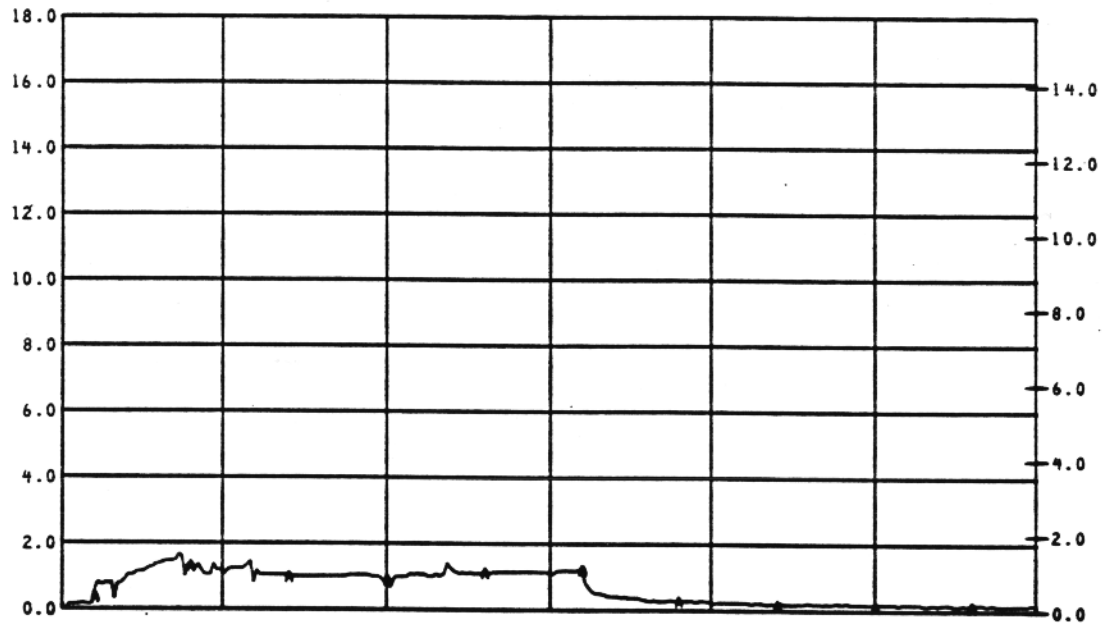
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

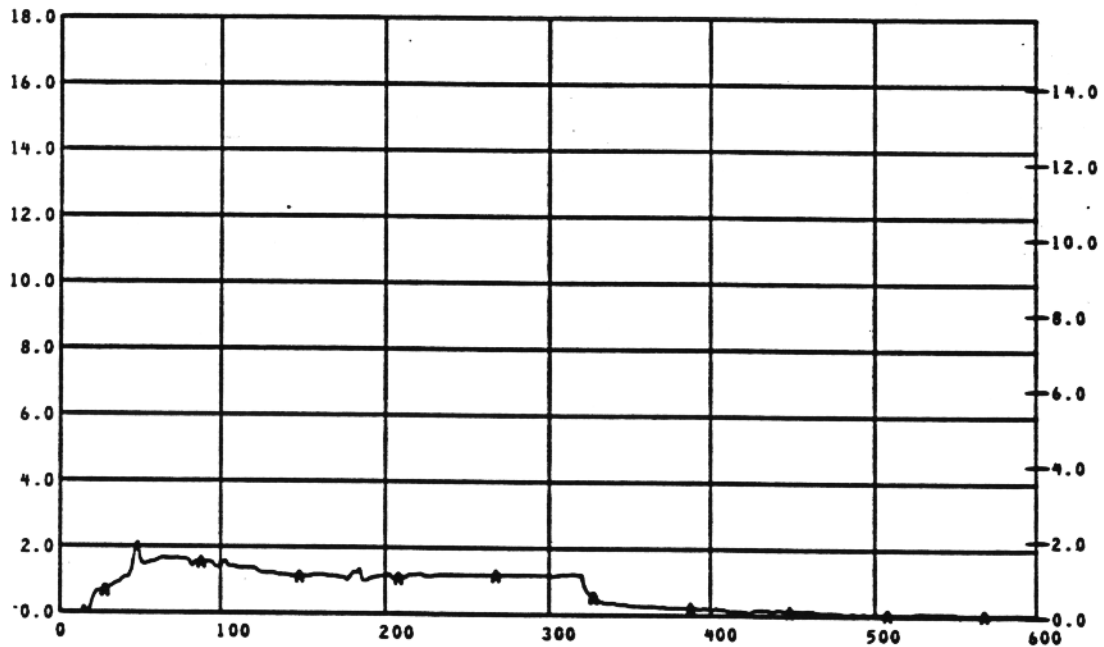
TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 17 58.000



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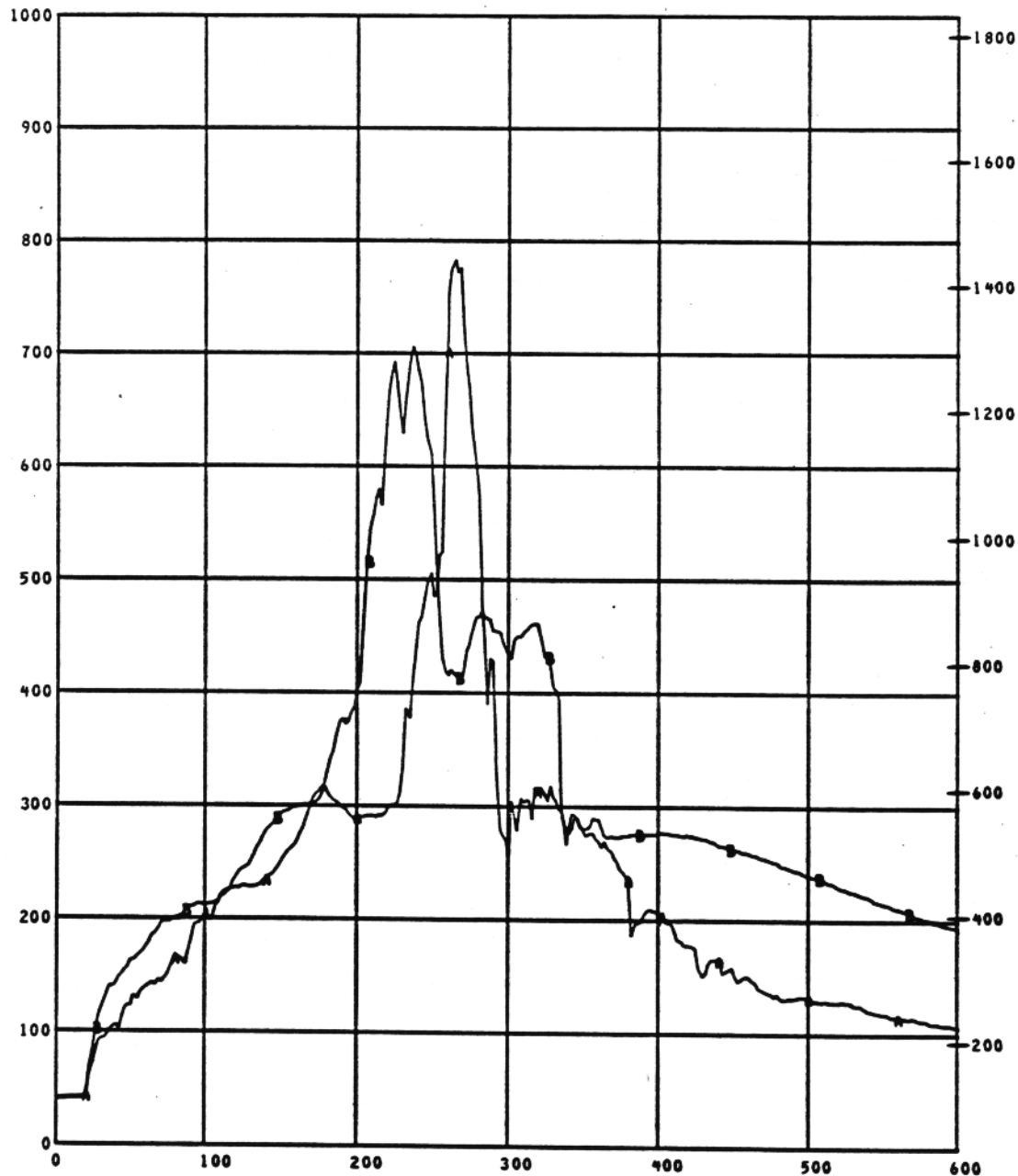
B
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/
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2

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 NASA7

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 13 17 58.000



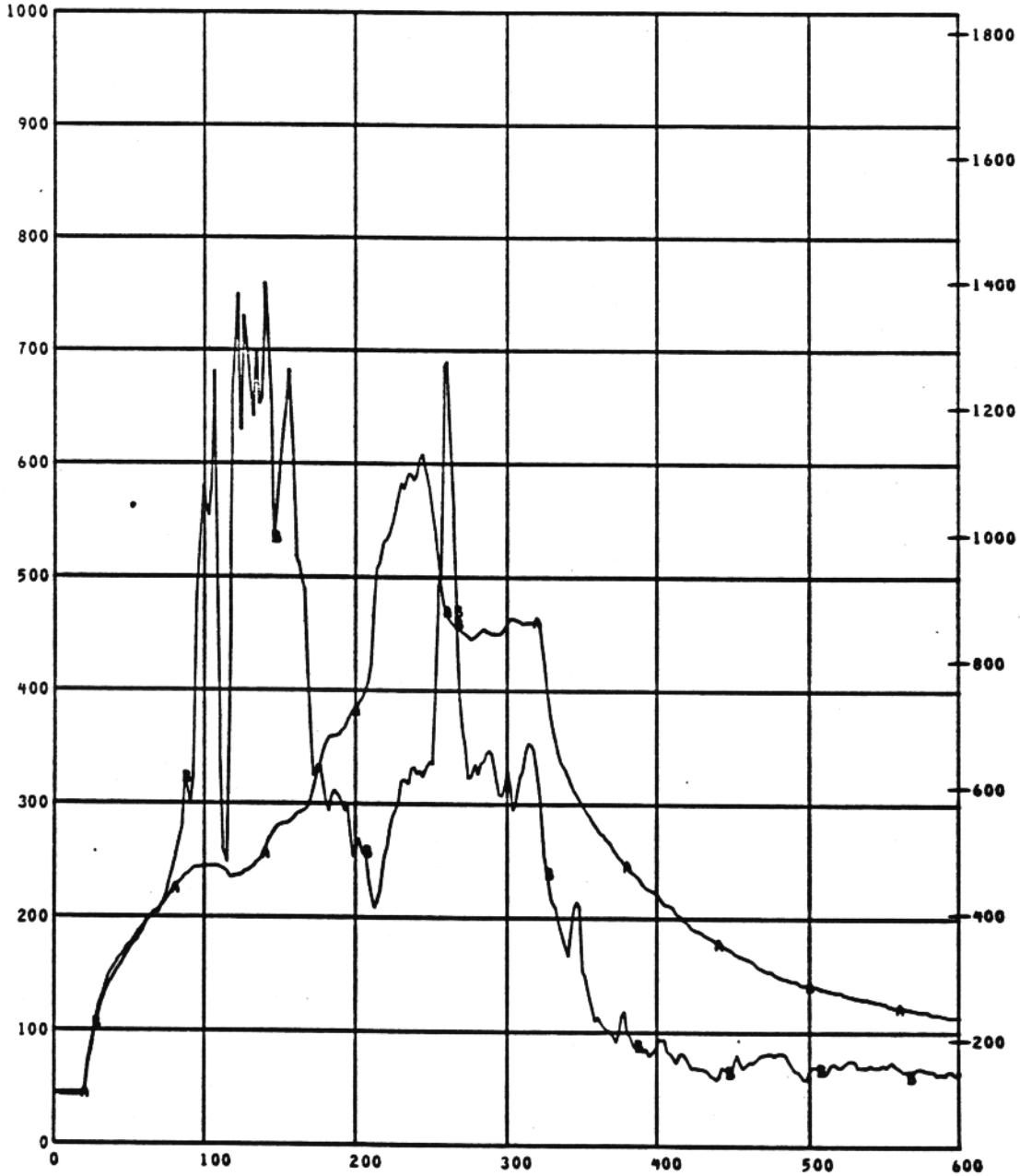
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
* TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 8

- 1

REFERENCE TIME 13 17 58.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

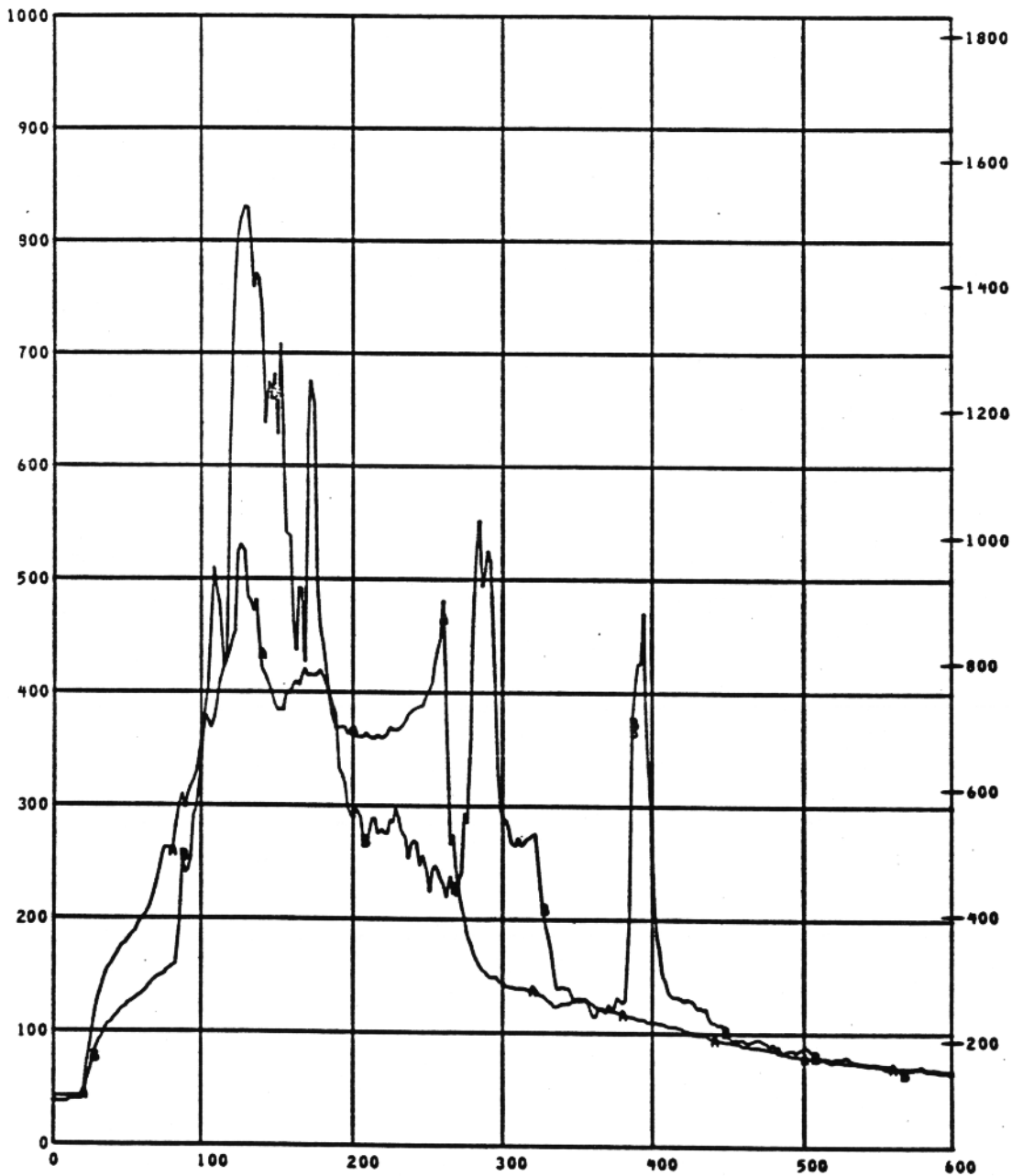
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 13 17 58.000

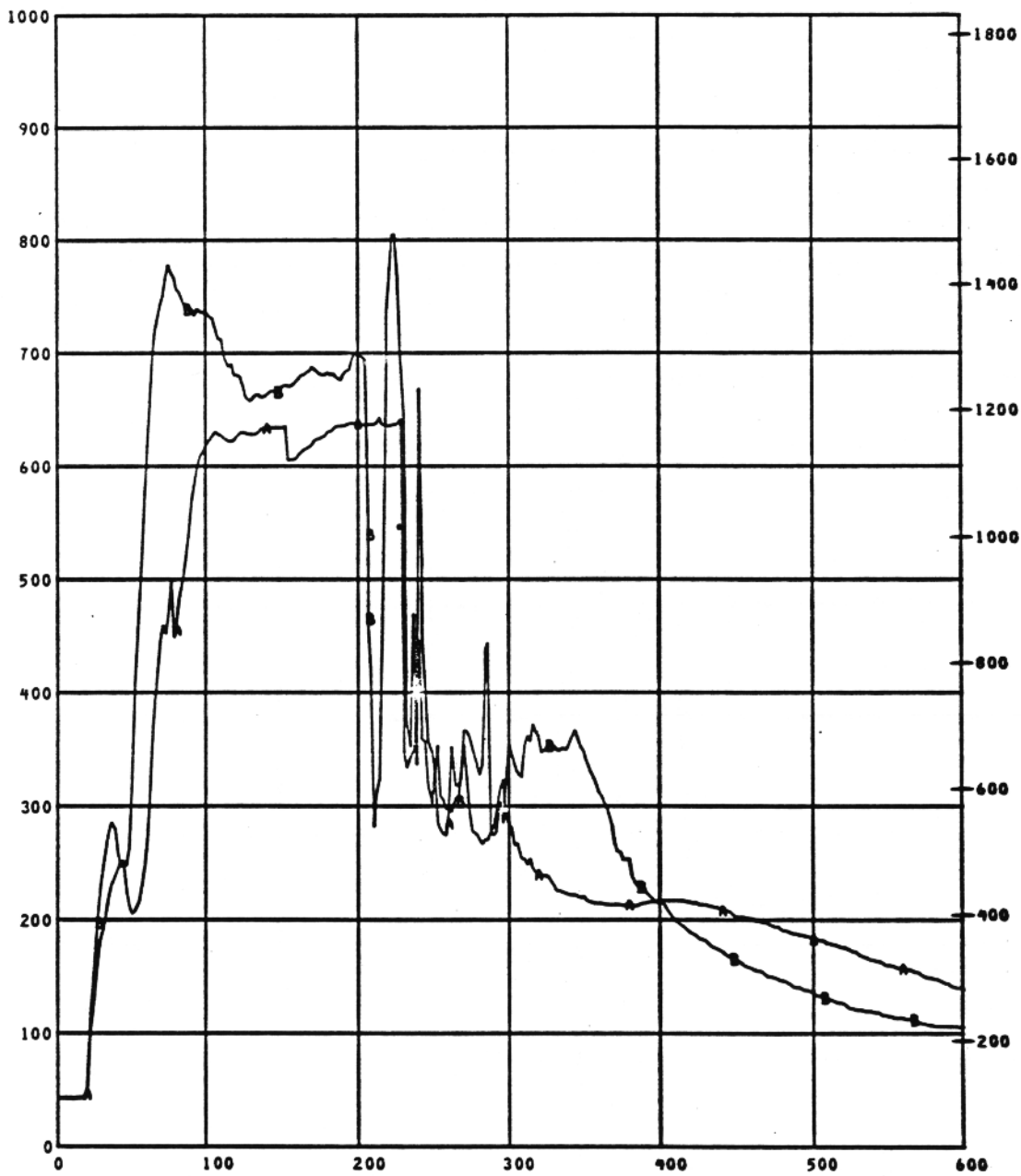


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
* TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 17 58.000

D
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F

MEAS. NUMBER	CHANNEL ASGN.
* TSR1	107
* TSR2	108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

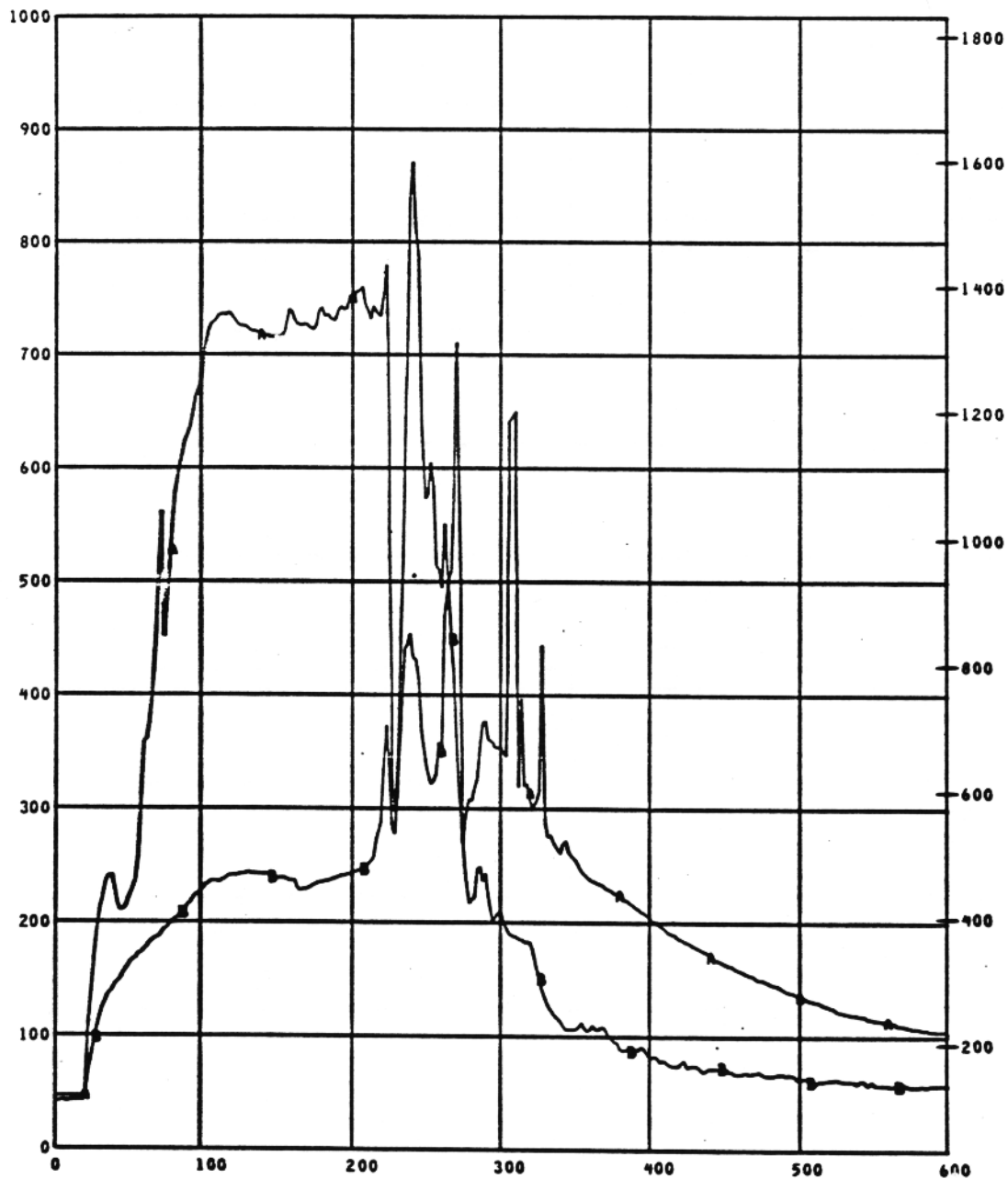
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 13 17 58.000



MEAS. NUMBER
\$ TSR3
\$ TBL1

CHANNEL ASGN.
109
110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

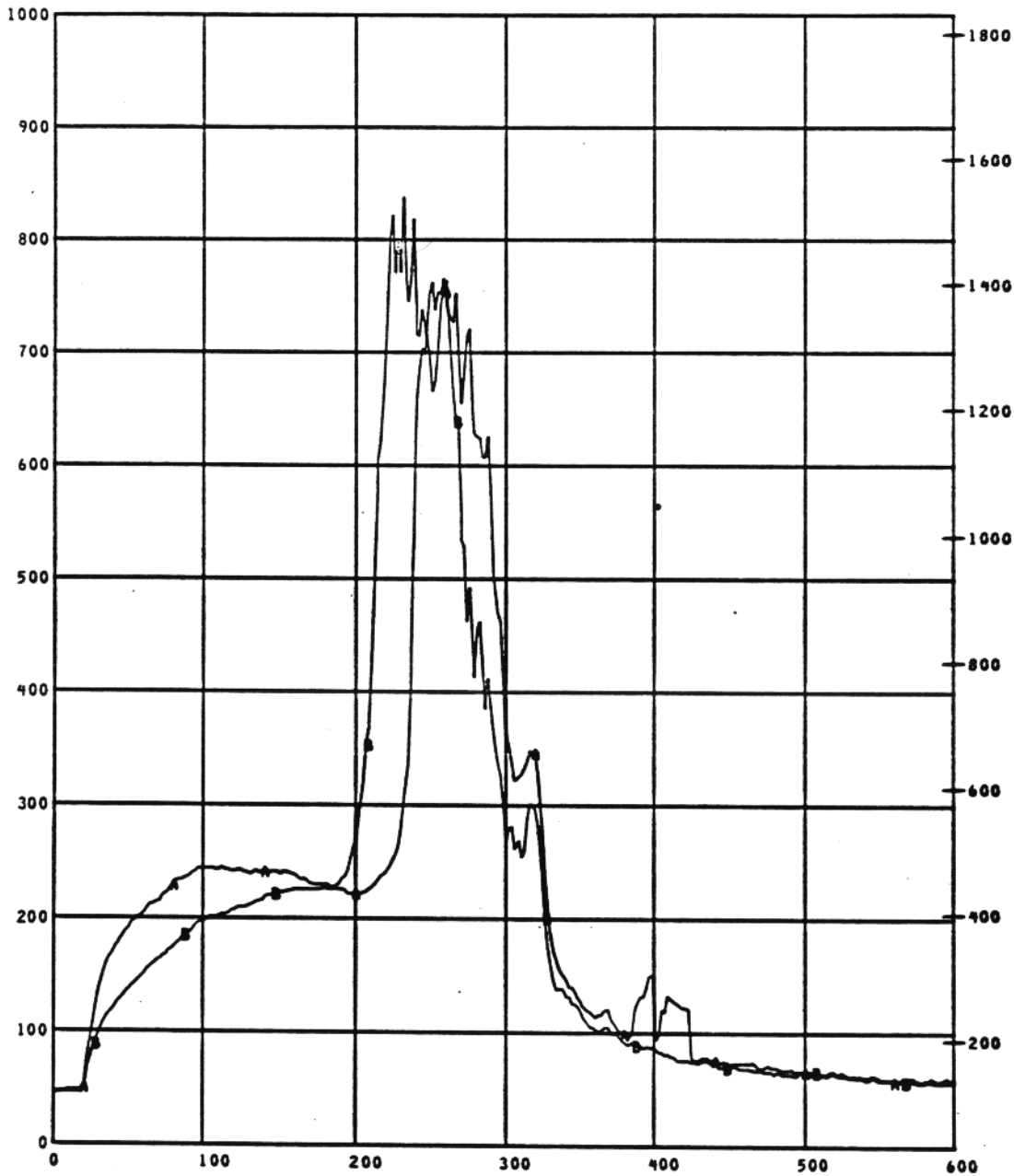
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 17 58.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBL2	111
\$ TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

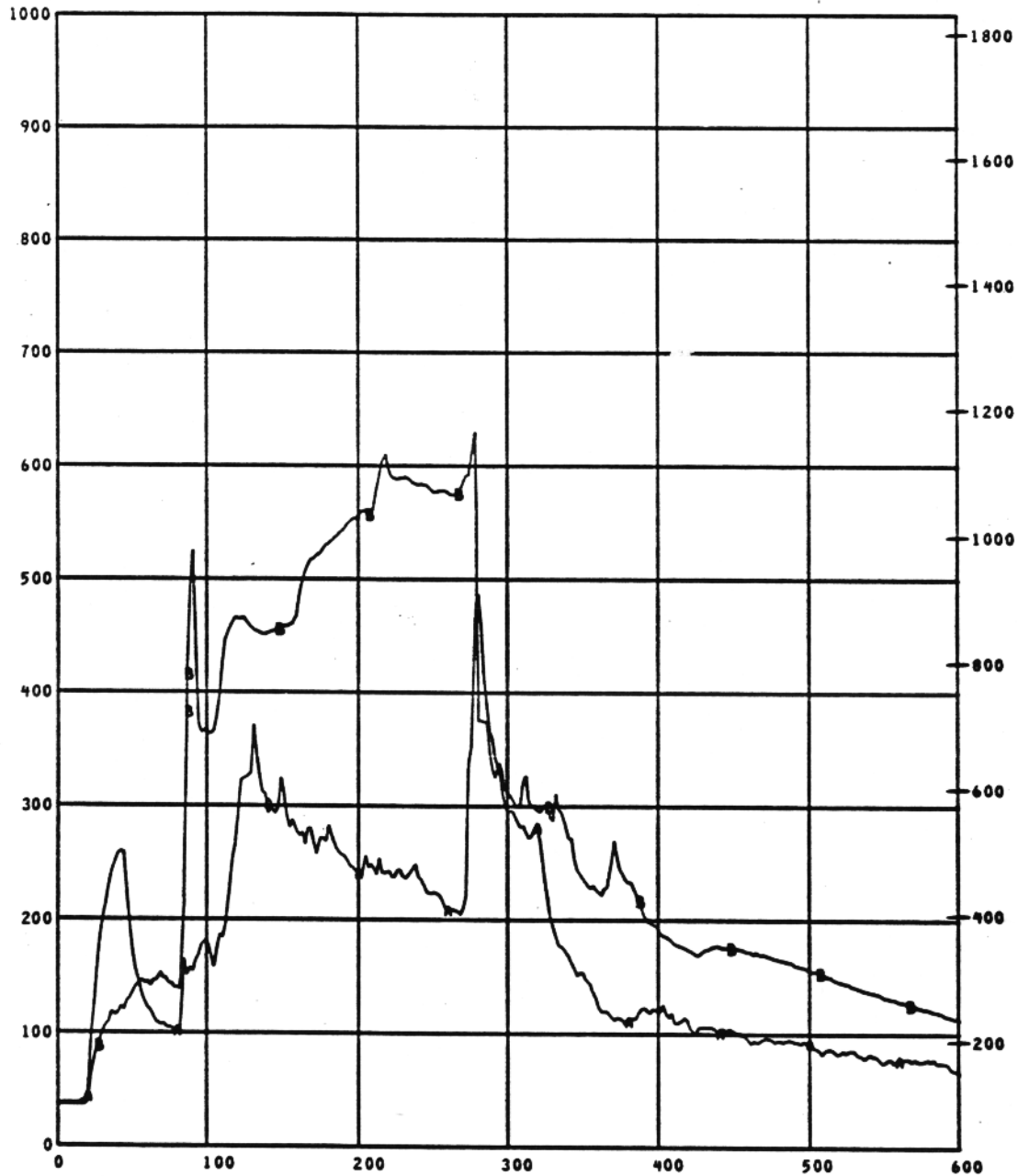
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 13 17 58.000

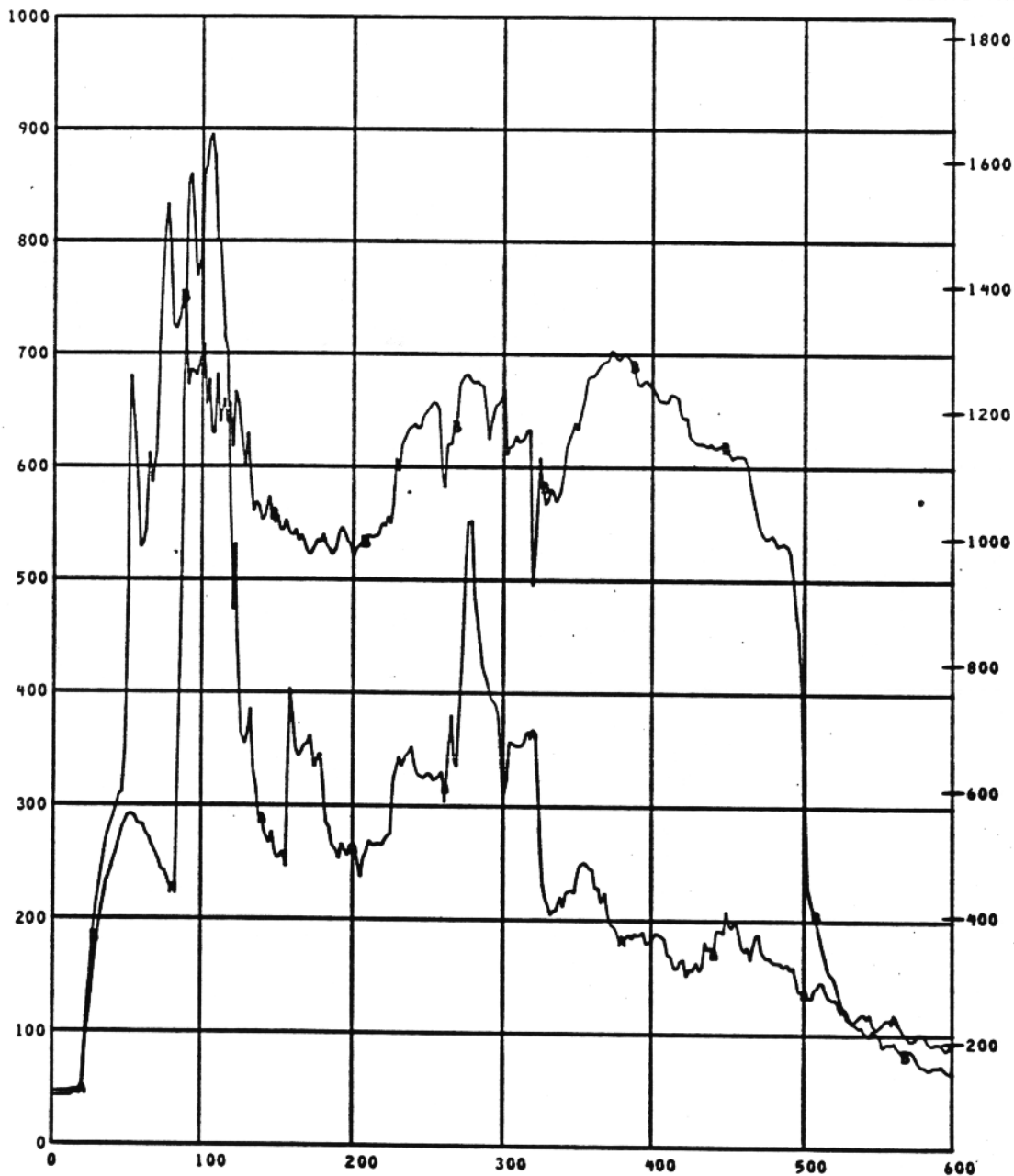


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
\$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 13 17 58.000



D
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G
F

MEAS. NUMBER	CHANNEL ASGN.
* TBC3	115
* TBR1	116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

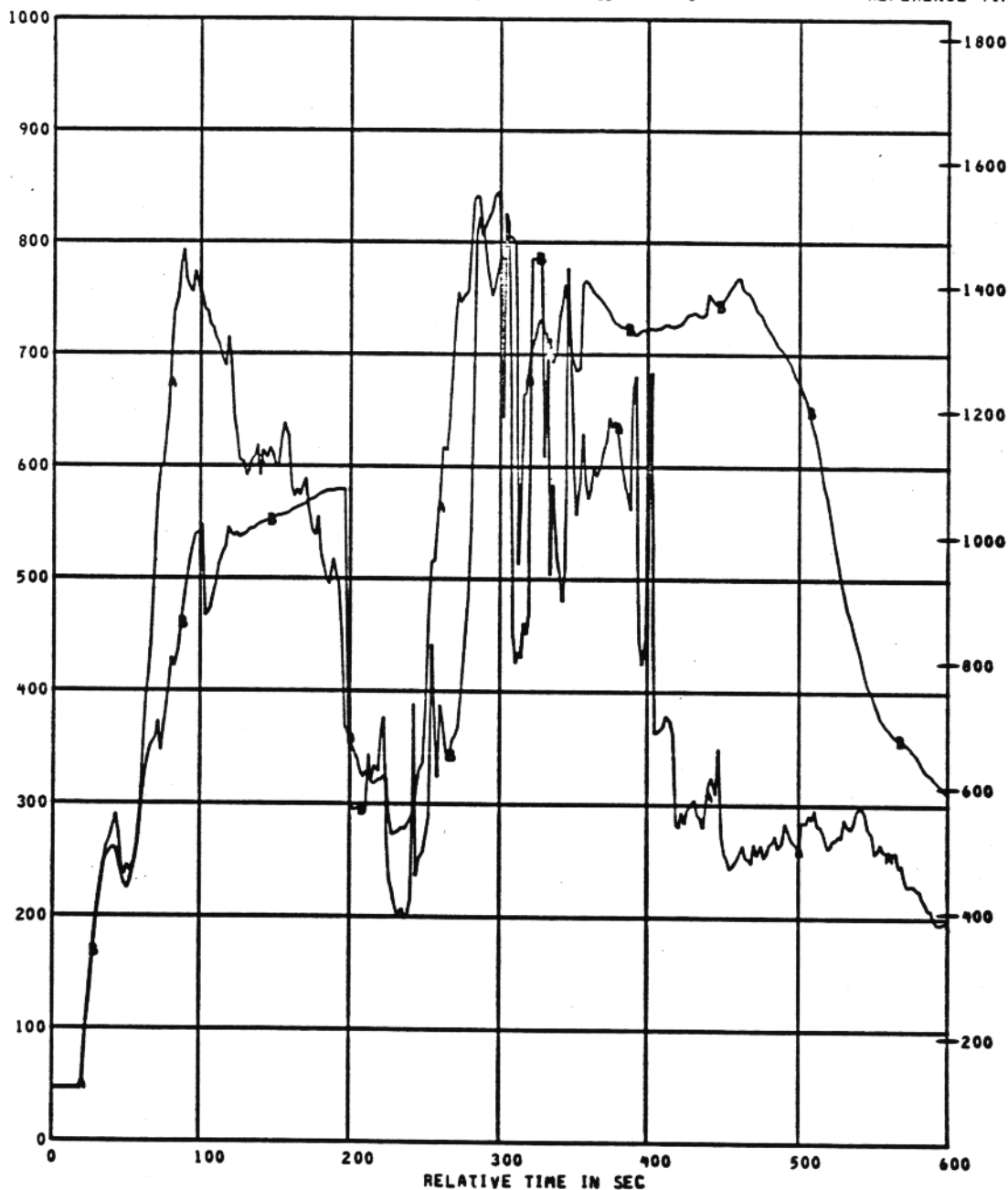
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 13 17 58.000



MEAS. NUMBER
\$ TBR2
\$ TBR3

CHANNEL ASGN.
117
118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

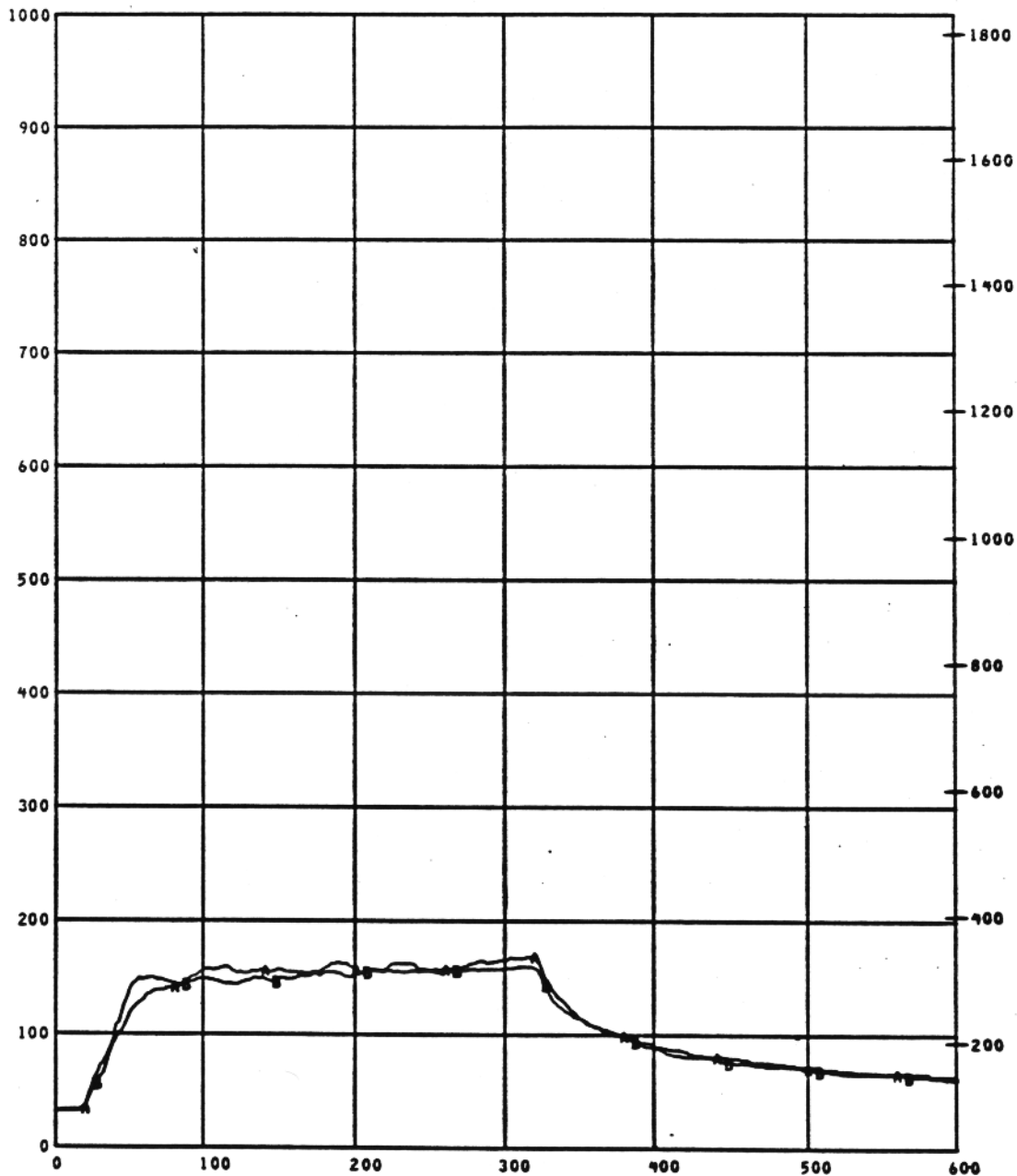
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 13 17 58.000



D
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MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

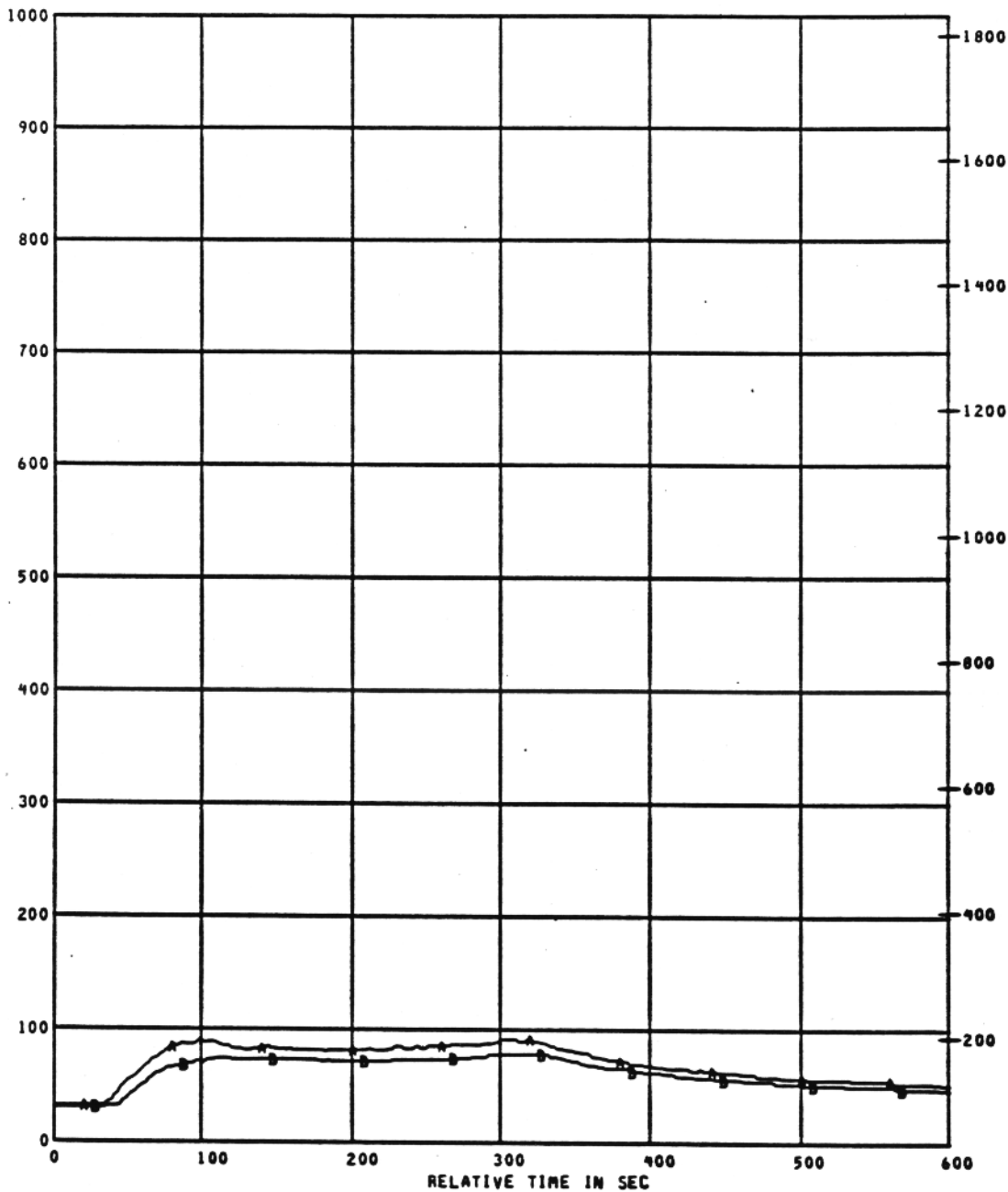
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 13 17 58.000



MEAS. NUMBER
\$ TCM
\$ TCM

CHANNEL ASGN.
121
122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

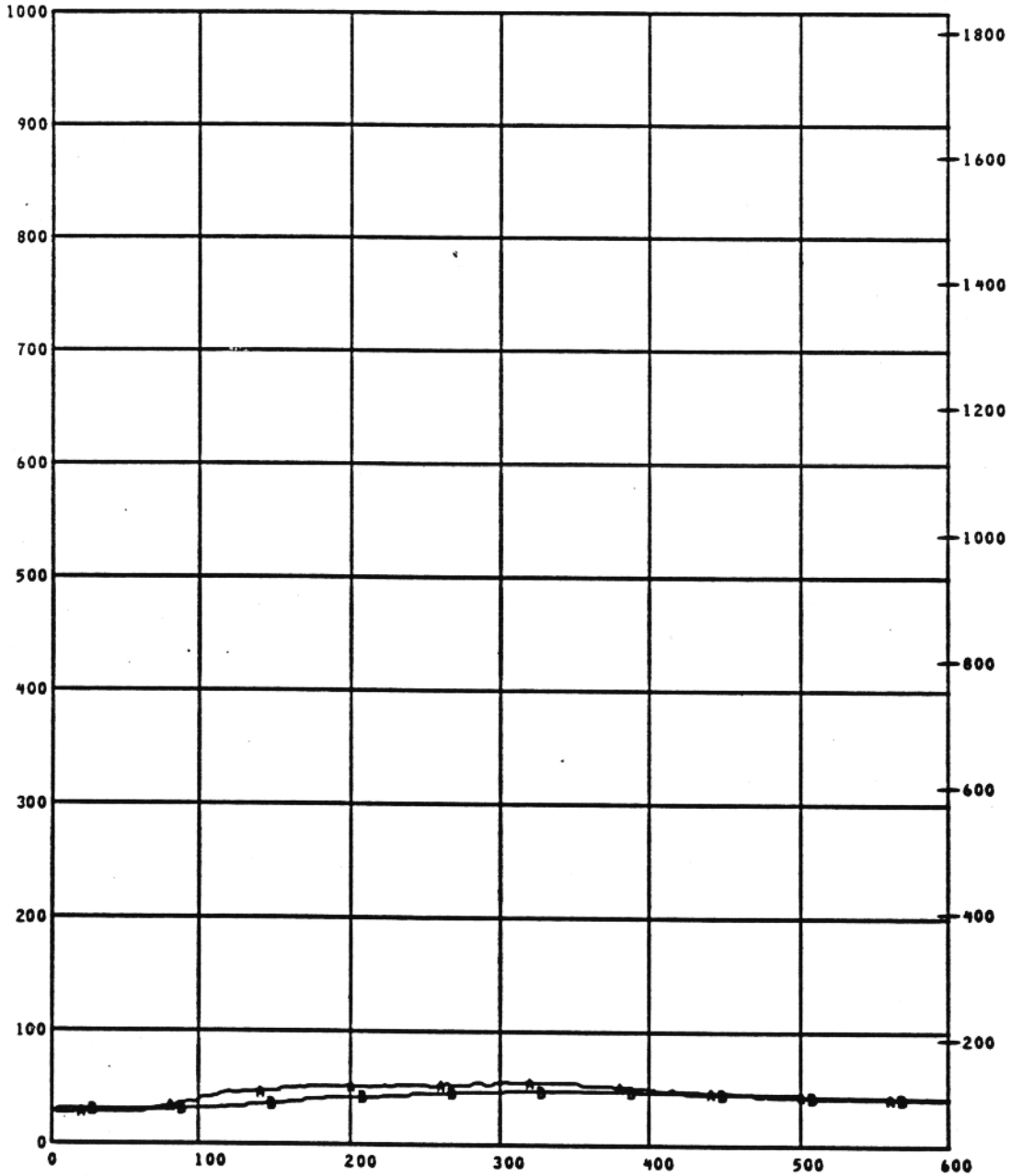
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 13 17 58.000



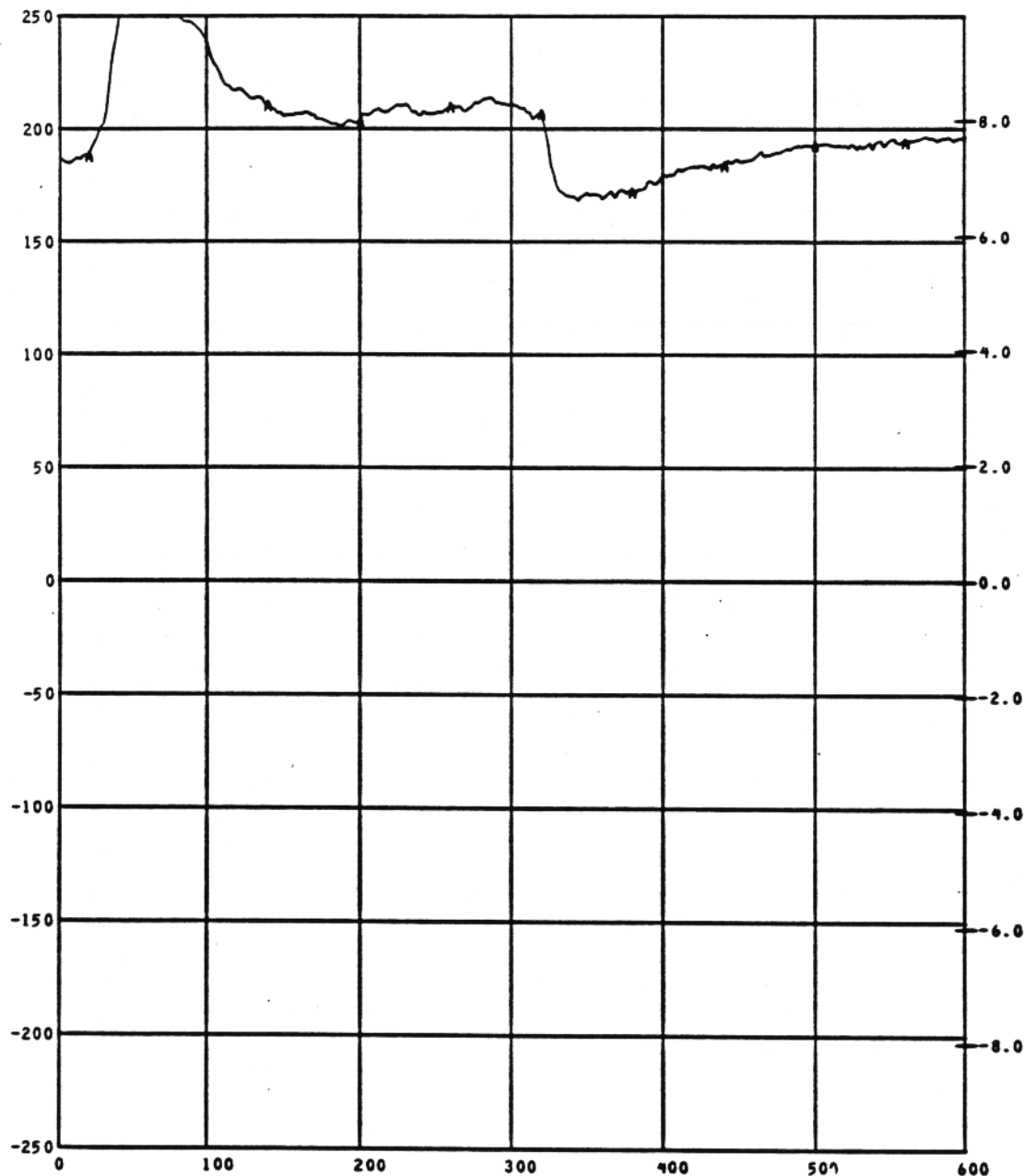
D
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G
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
* TAD	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 17 58.000



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MEAS. NUMBER
\$ DPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

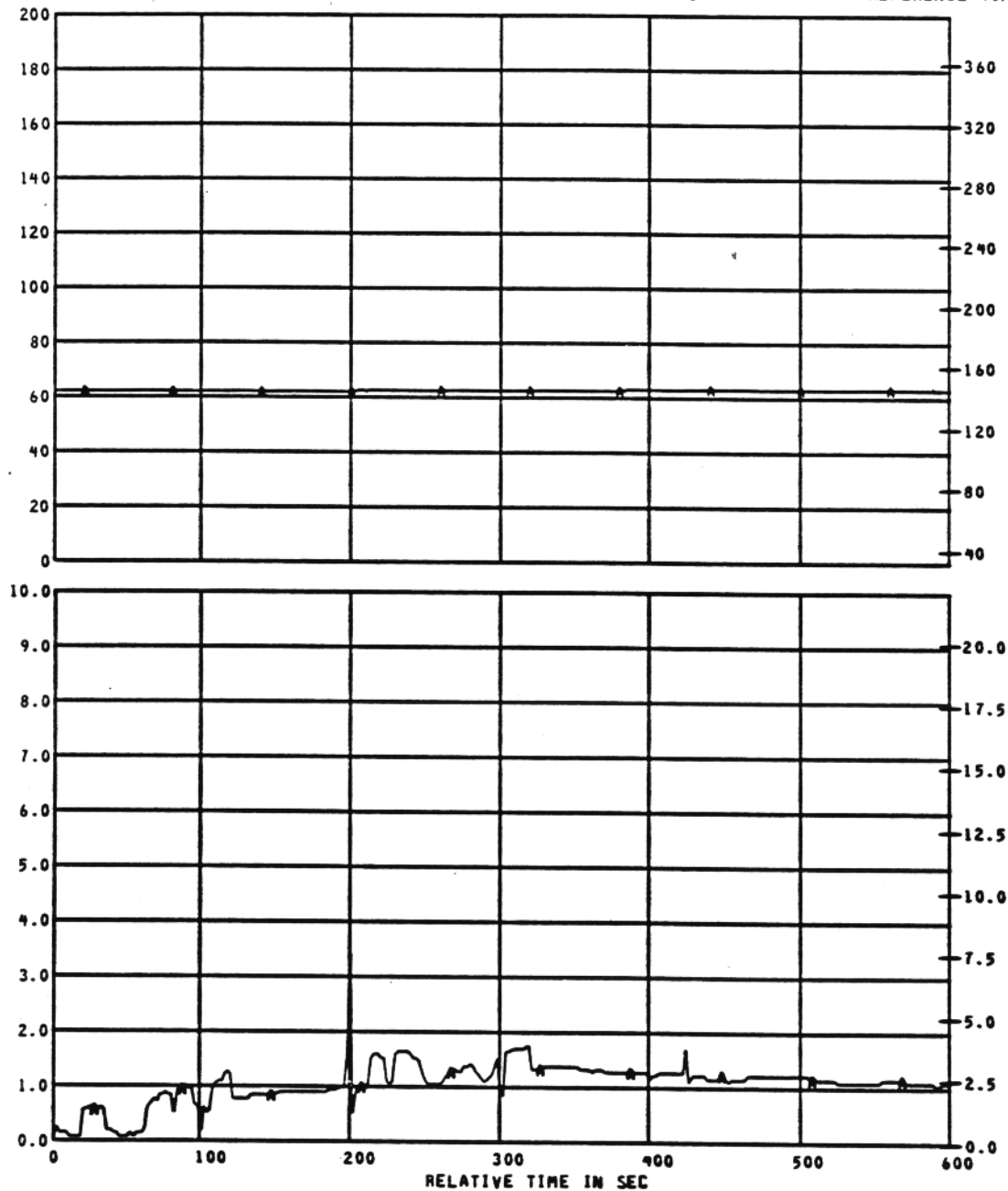
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 AA

TEST ID NASA7

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 13 17 58.000



D
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L
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MEAS. NUMBER CHANNEL ASGN.
\$ TLC 125
\$ WL 149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

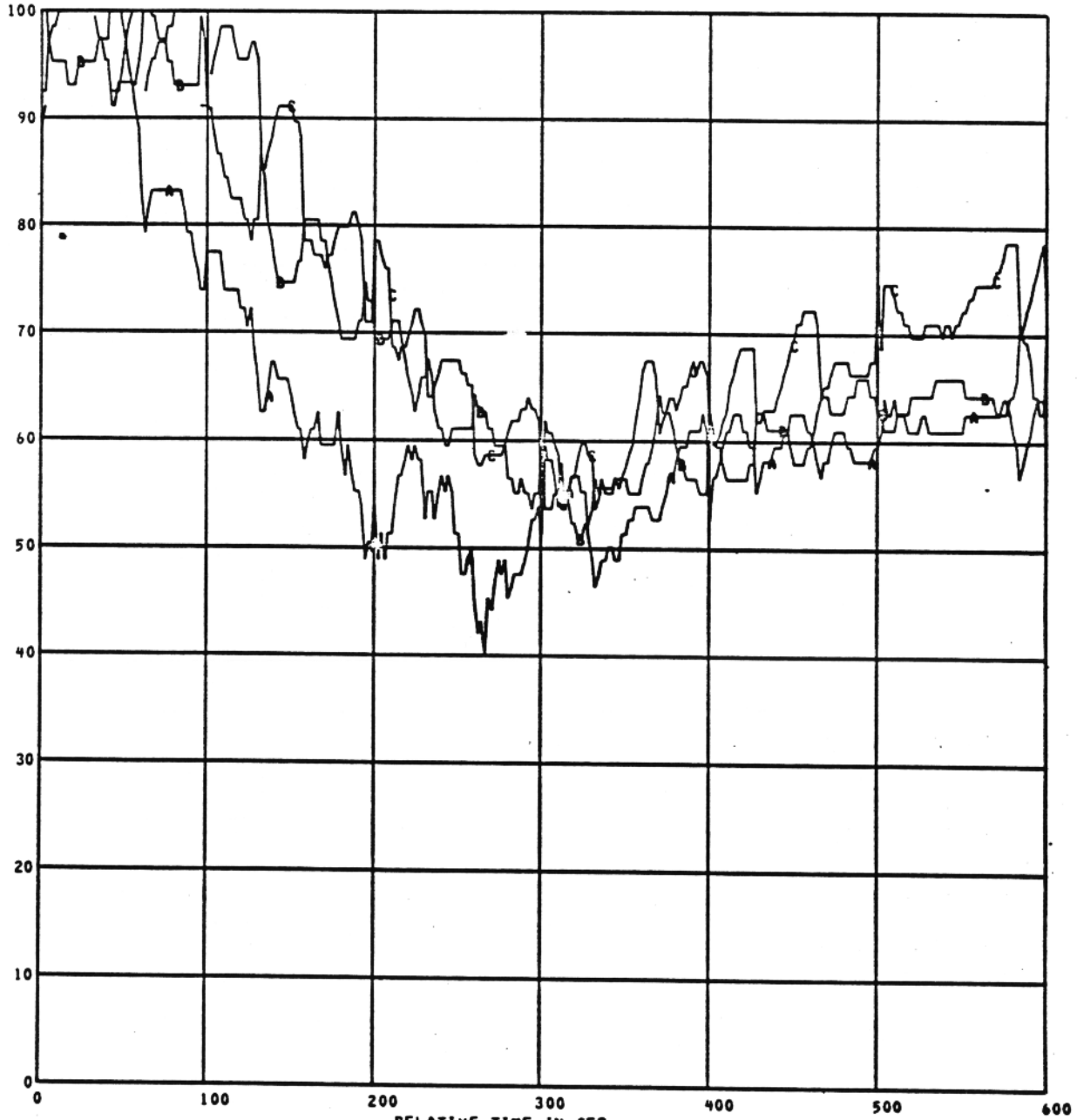
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 02 44.000

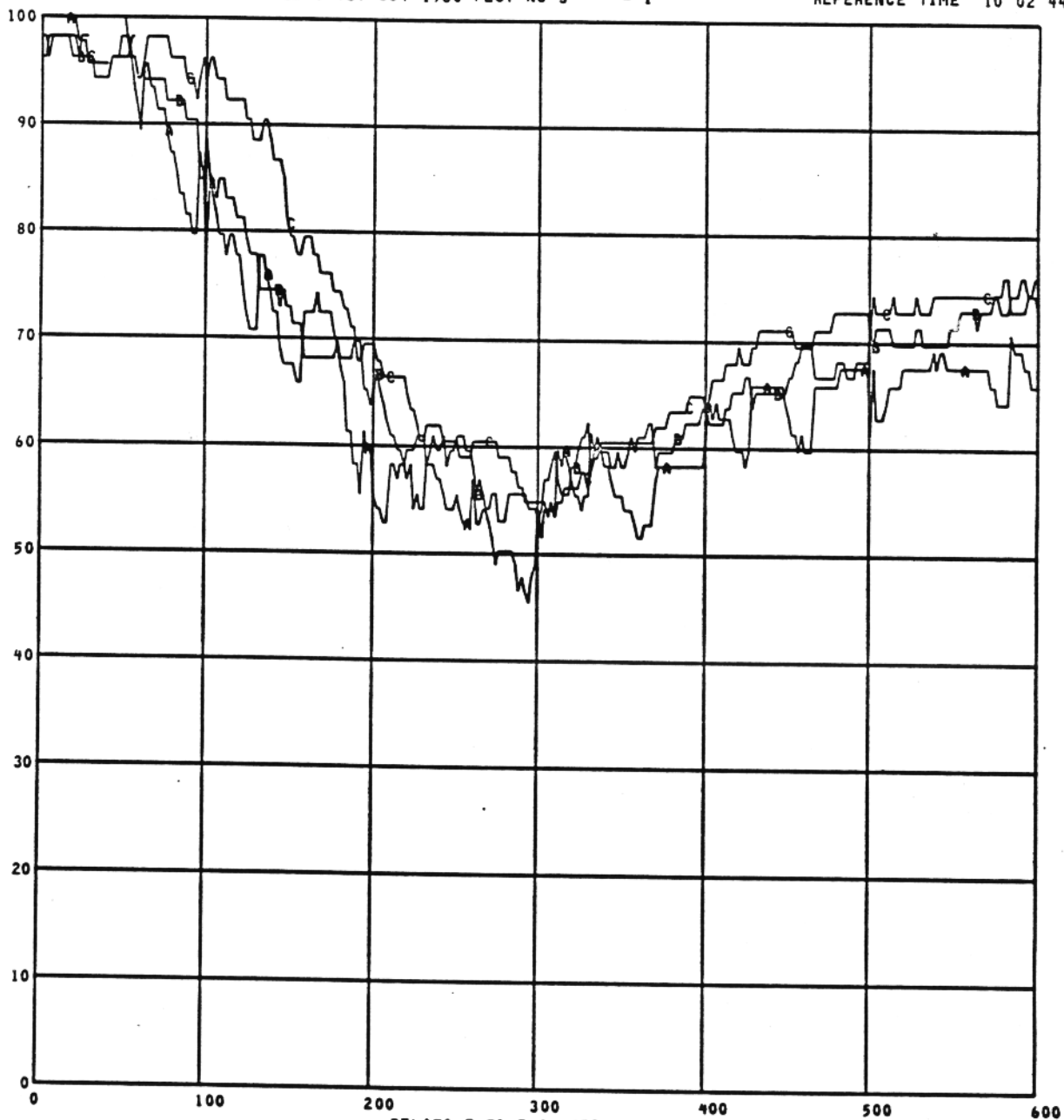


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 10 02 44.000

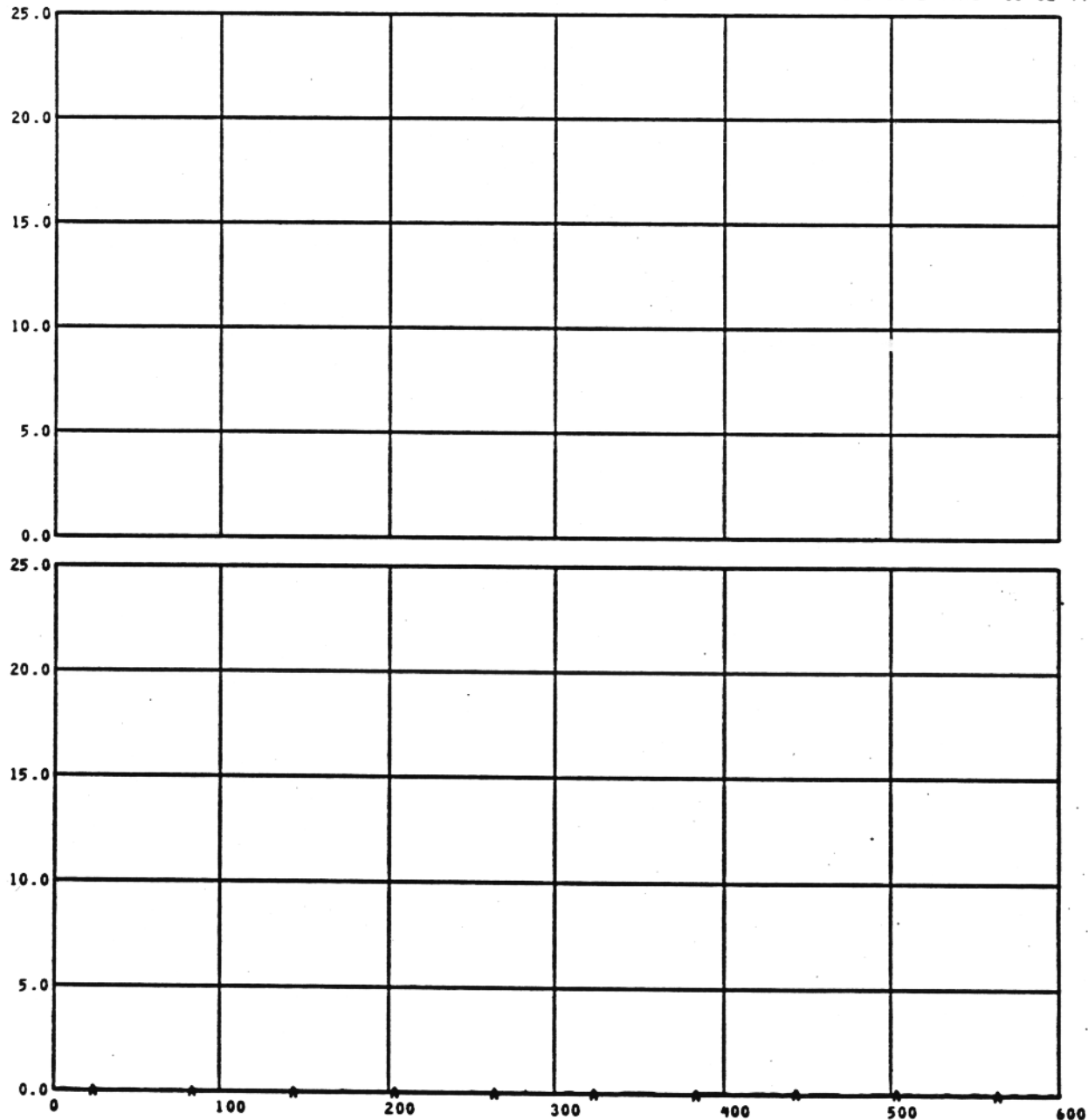


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 02 44.000



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

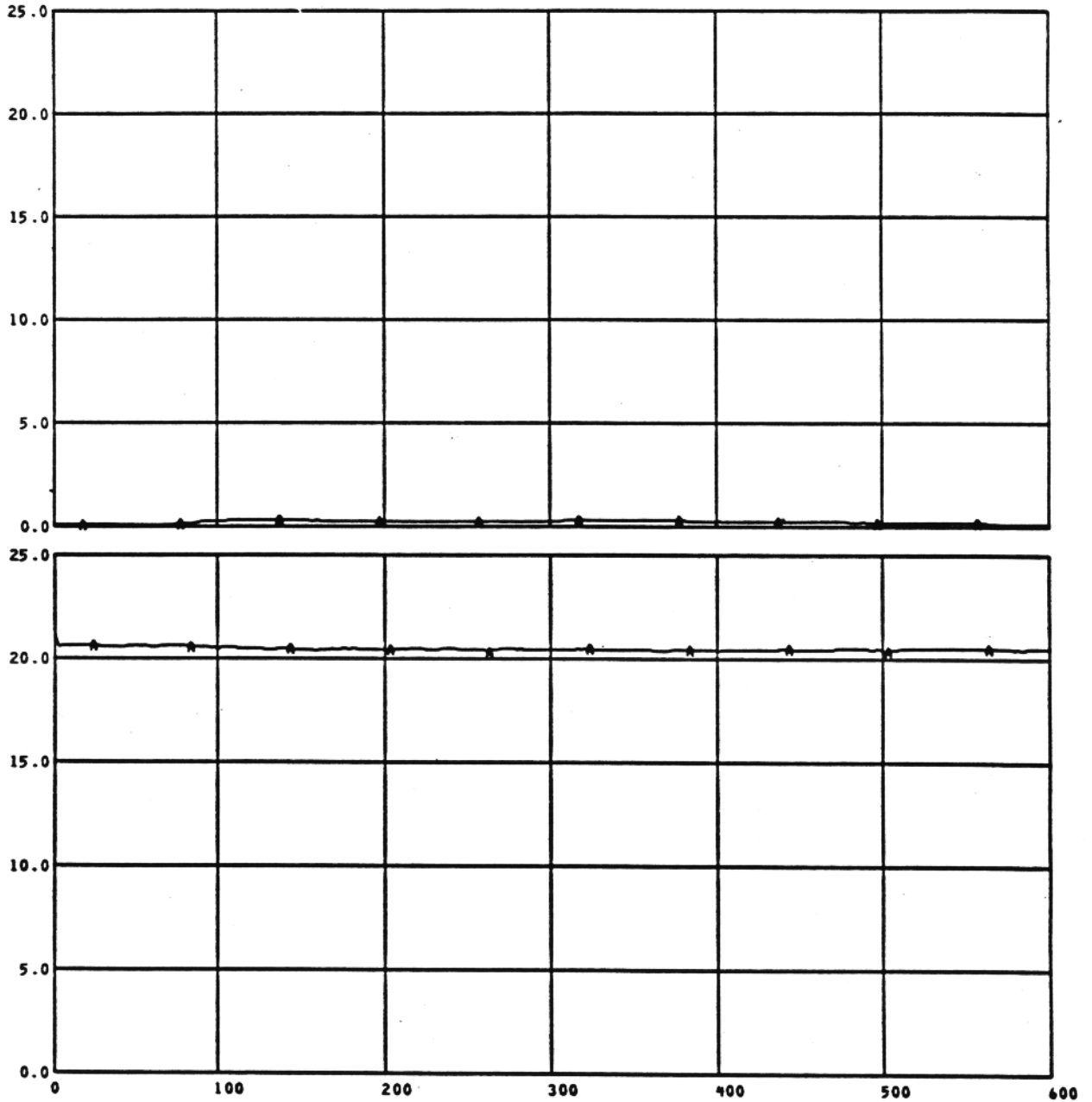
UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 5

- 1

REFERENCE TIME 10 02 44.000



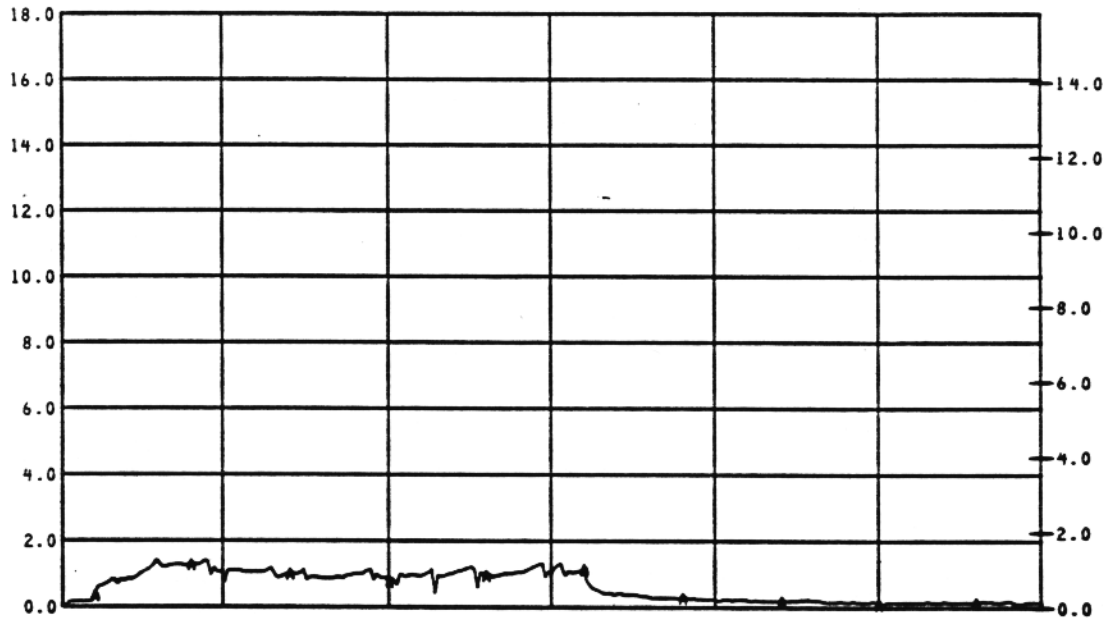
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA8

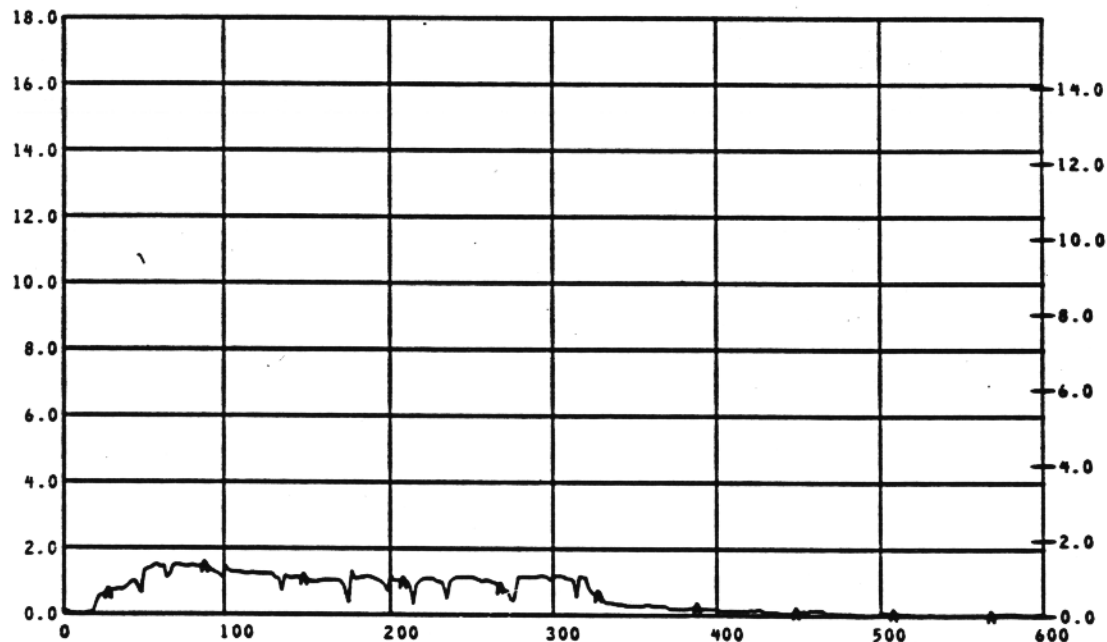
SEAT TST-OCT 1980 PLOT NO 6

- 1

REFERENCE TIME 10 02 44.000



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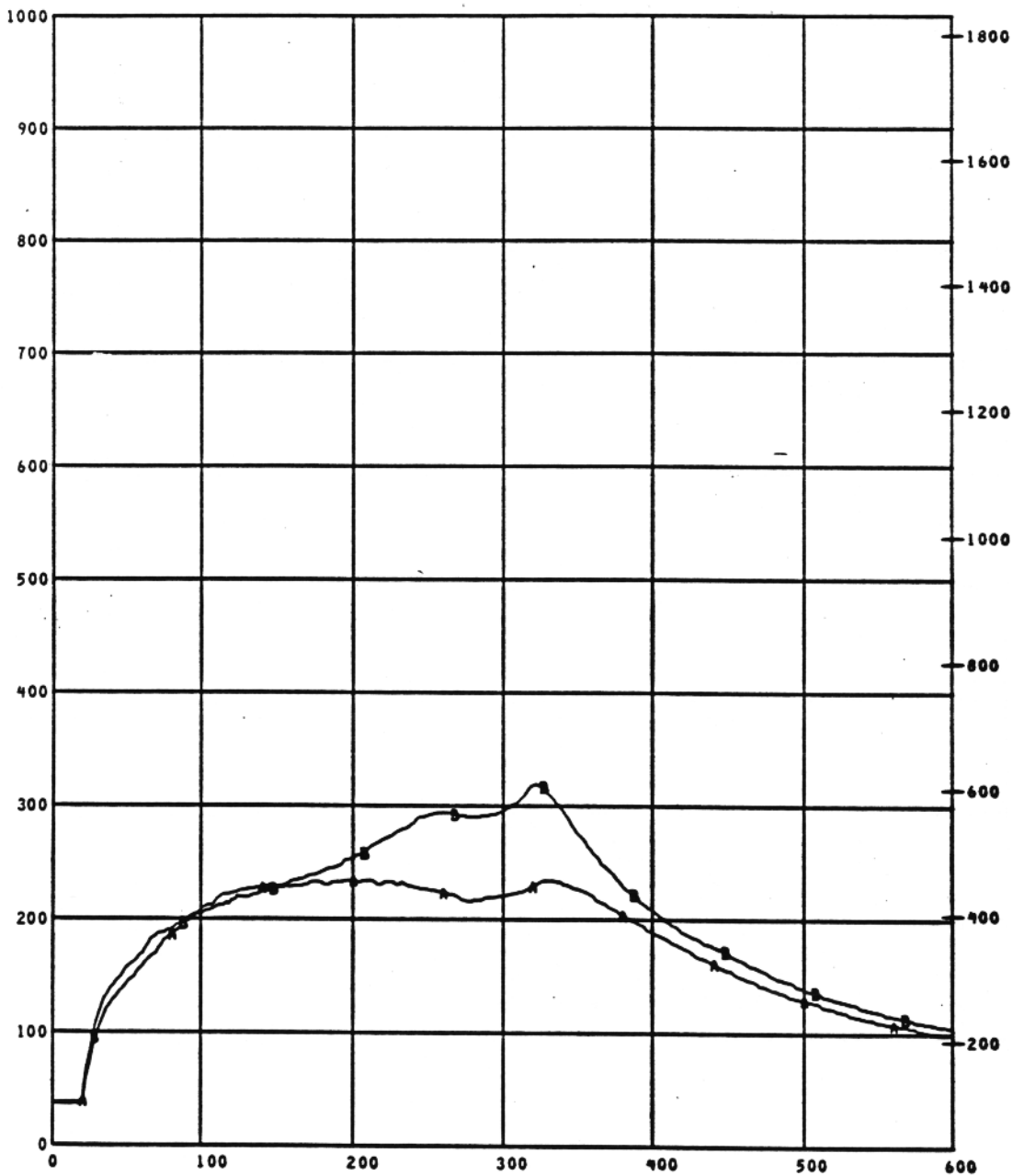
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
\$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 7

- 1

REFERENCE TIME 10 G2 44.000



D
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MEAS. NUMBER	CHANNEL ASGN.
* TSL1	101
* TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

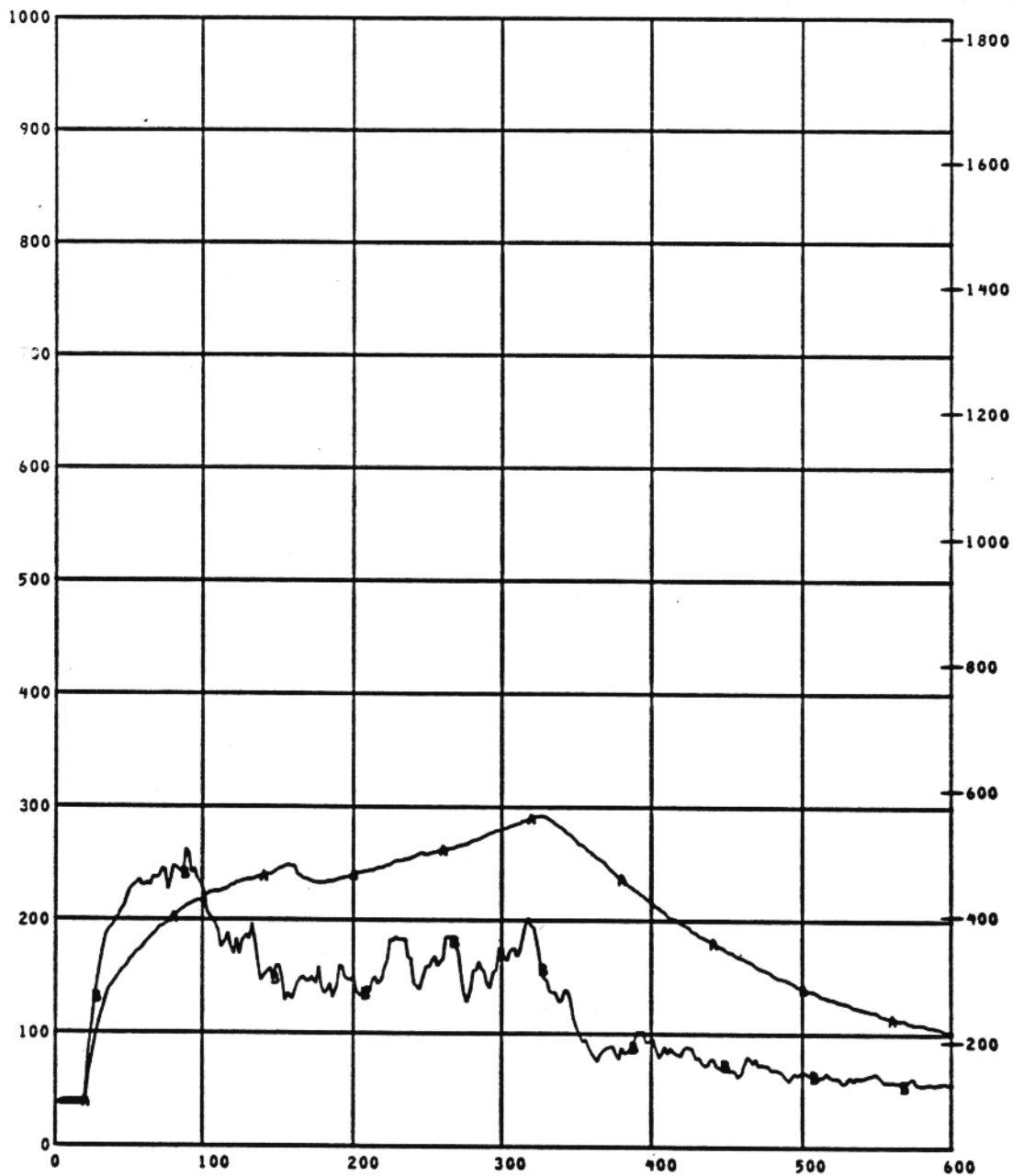
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 02 44.000



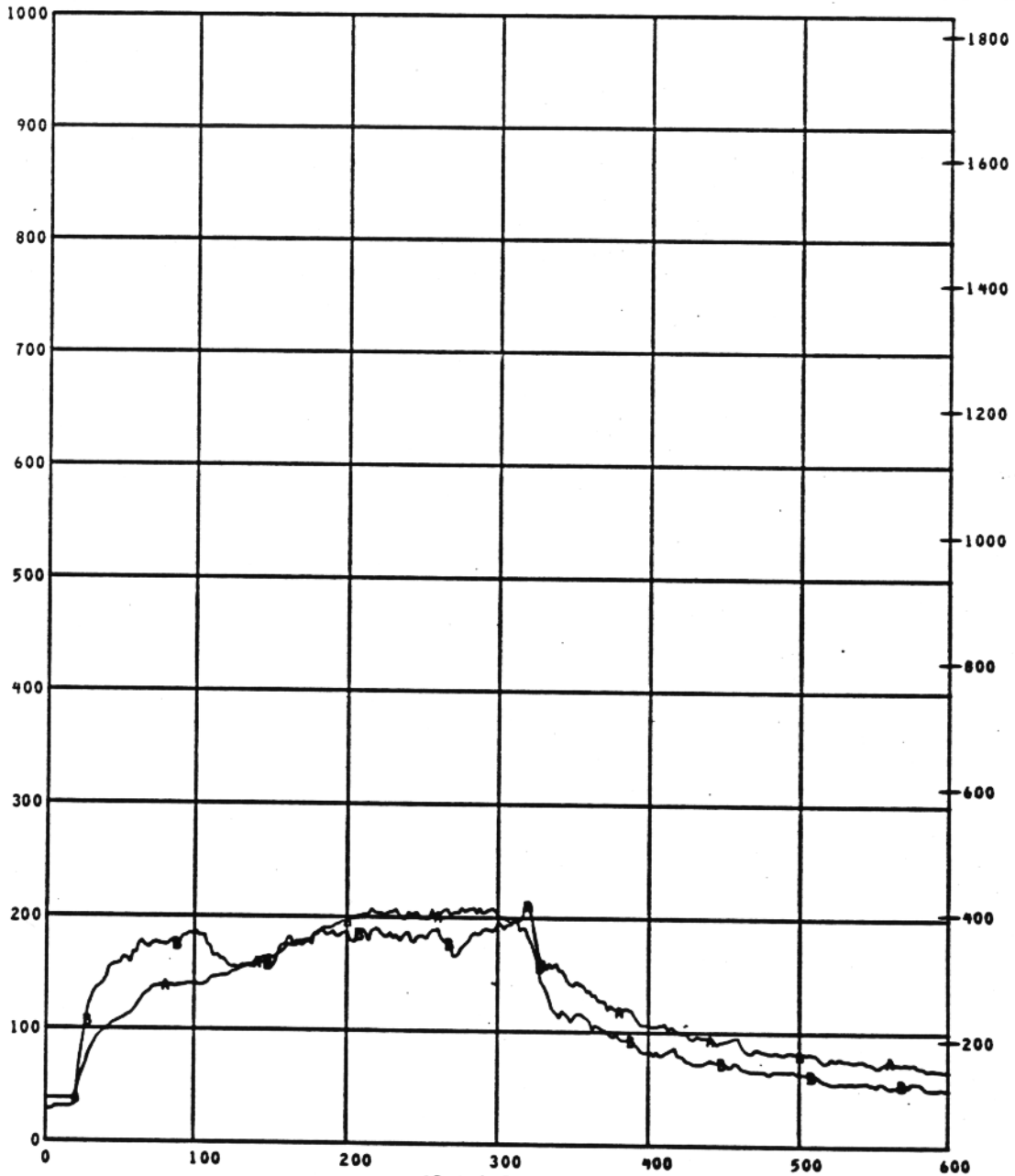
D
E
G
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MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 10 02 44.000



MEAS. NUMBER	CHANNEL ASGN.
* TSC2	105
* TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

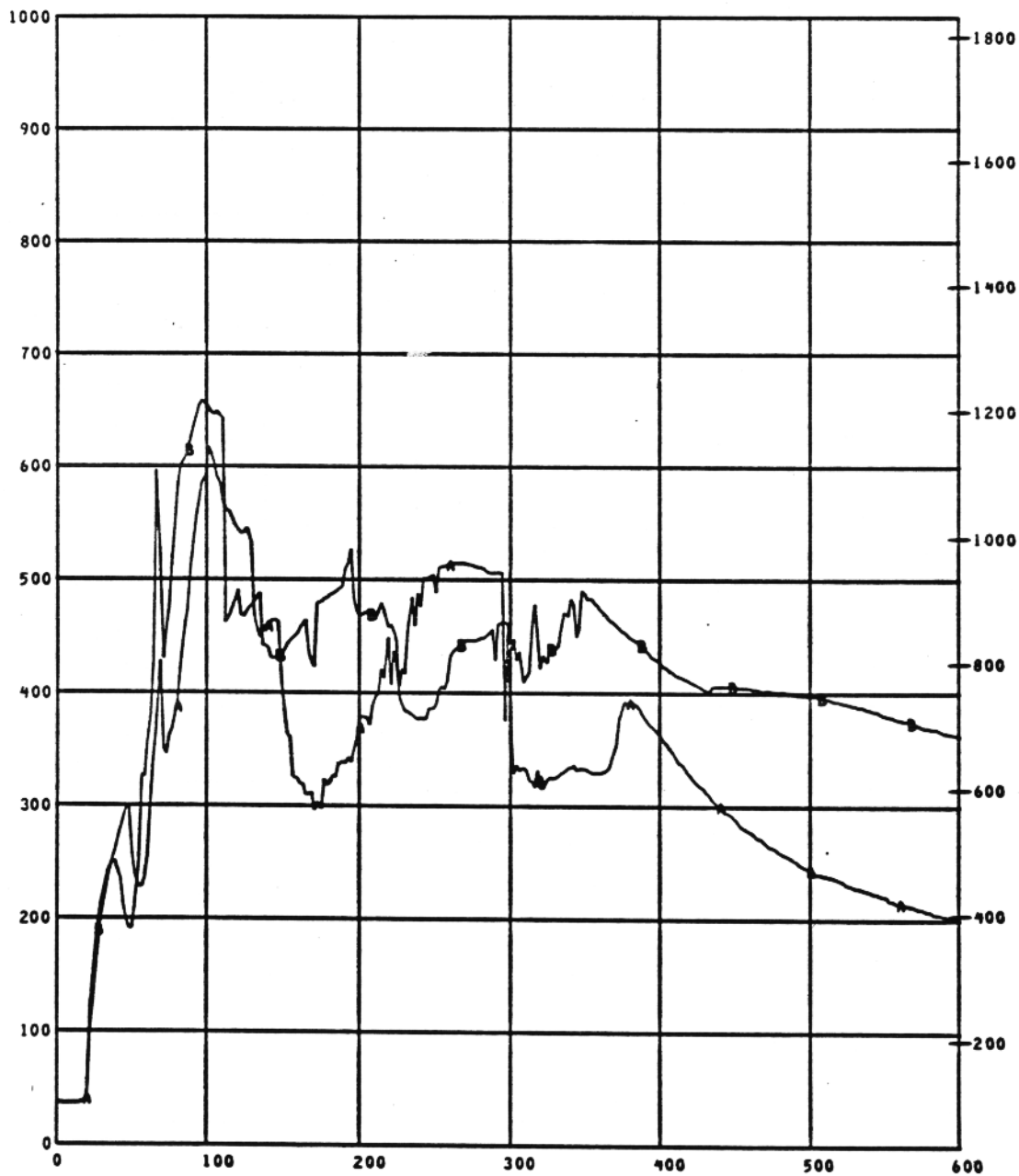
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 16 02 44.000

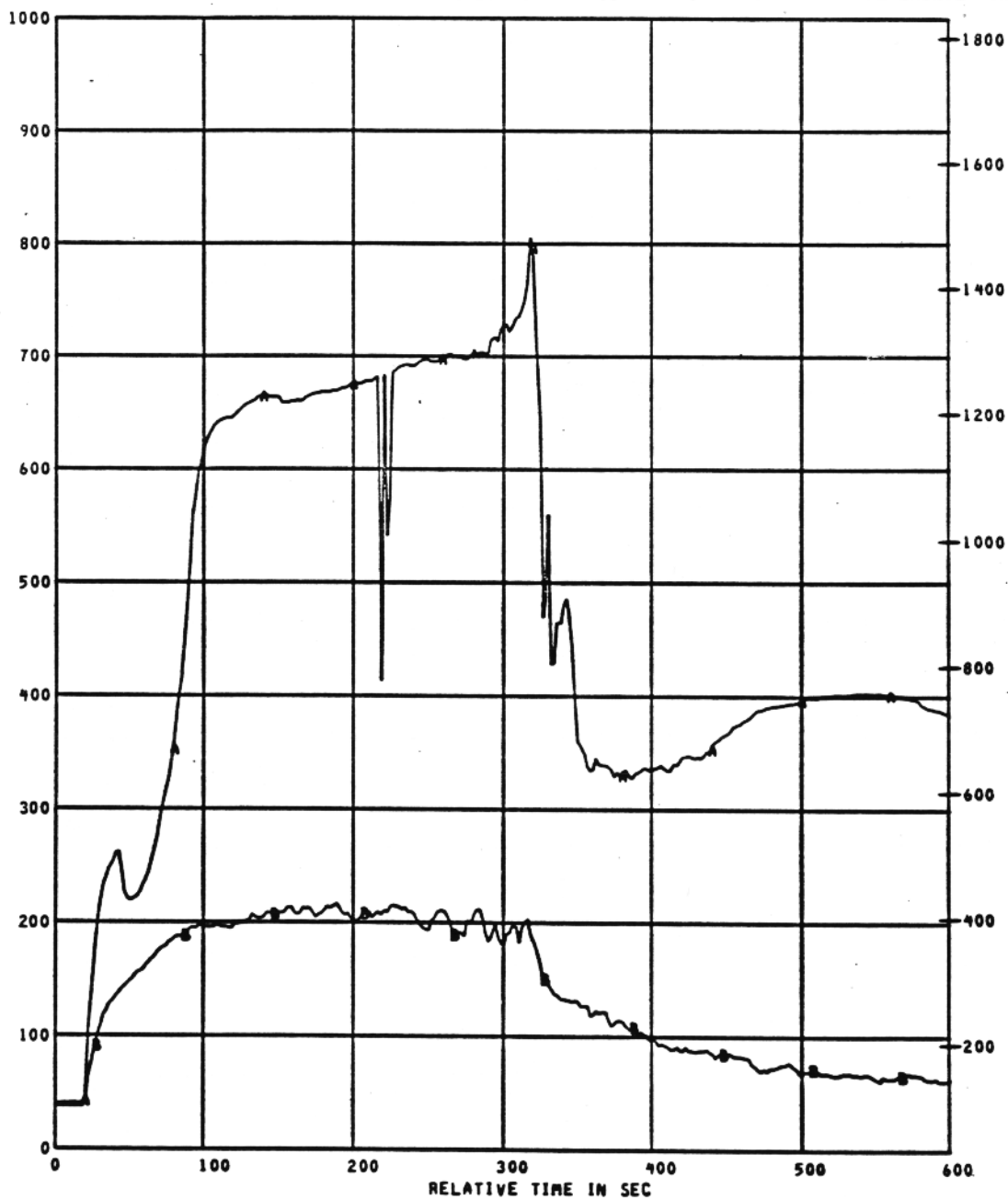


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
\$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 02 44.000

D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
* TS83	109
* TBL1	110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

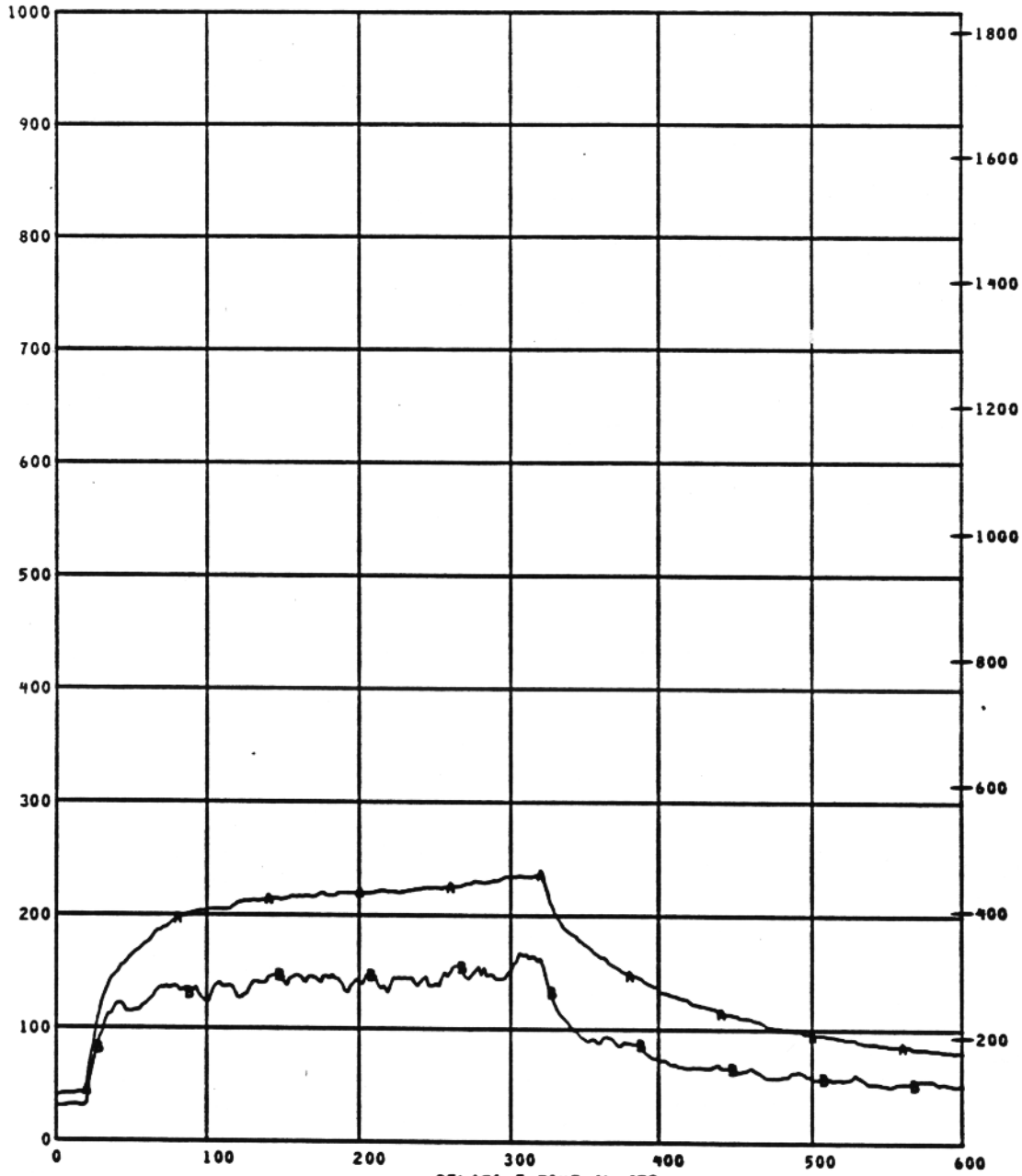
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 02 44.000



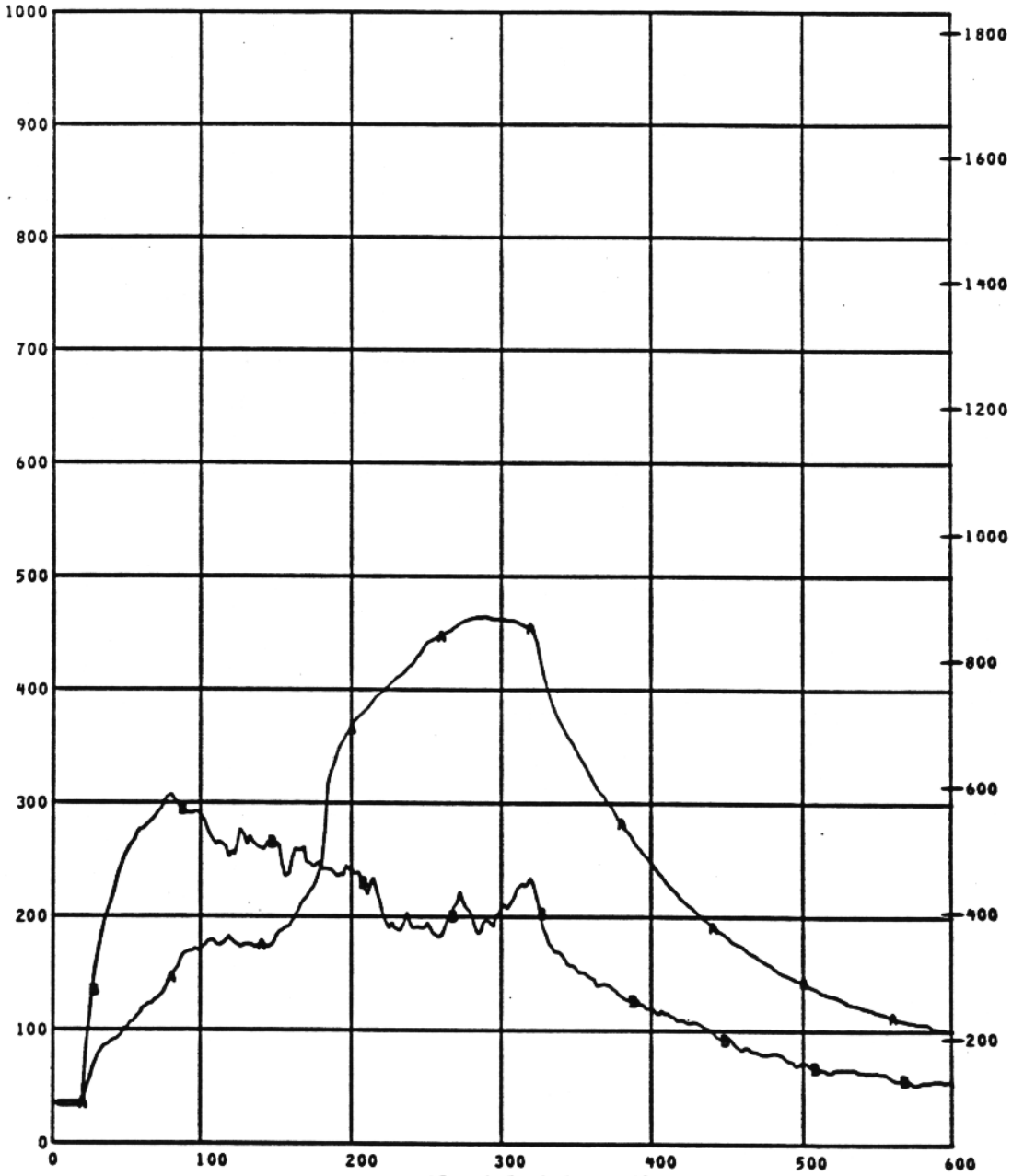
D
E
G
F

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 NASA8

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 02 44.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBC1	113
\$ TBC2	114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

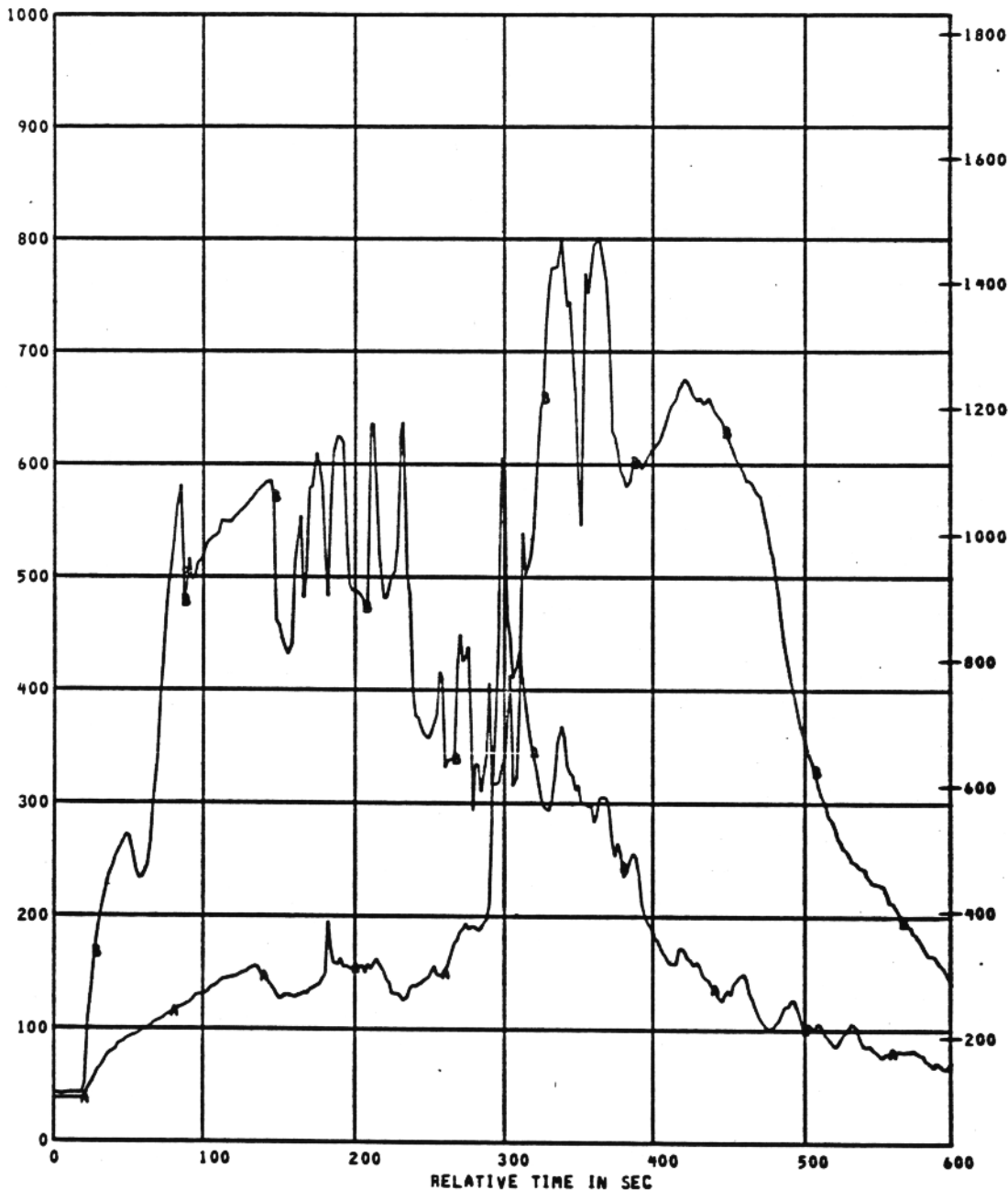
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 02 44.000



MEAS. NUMBER
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

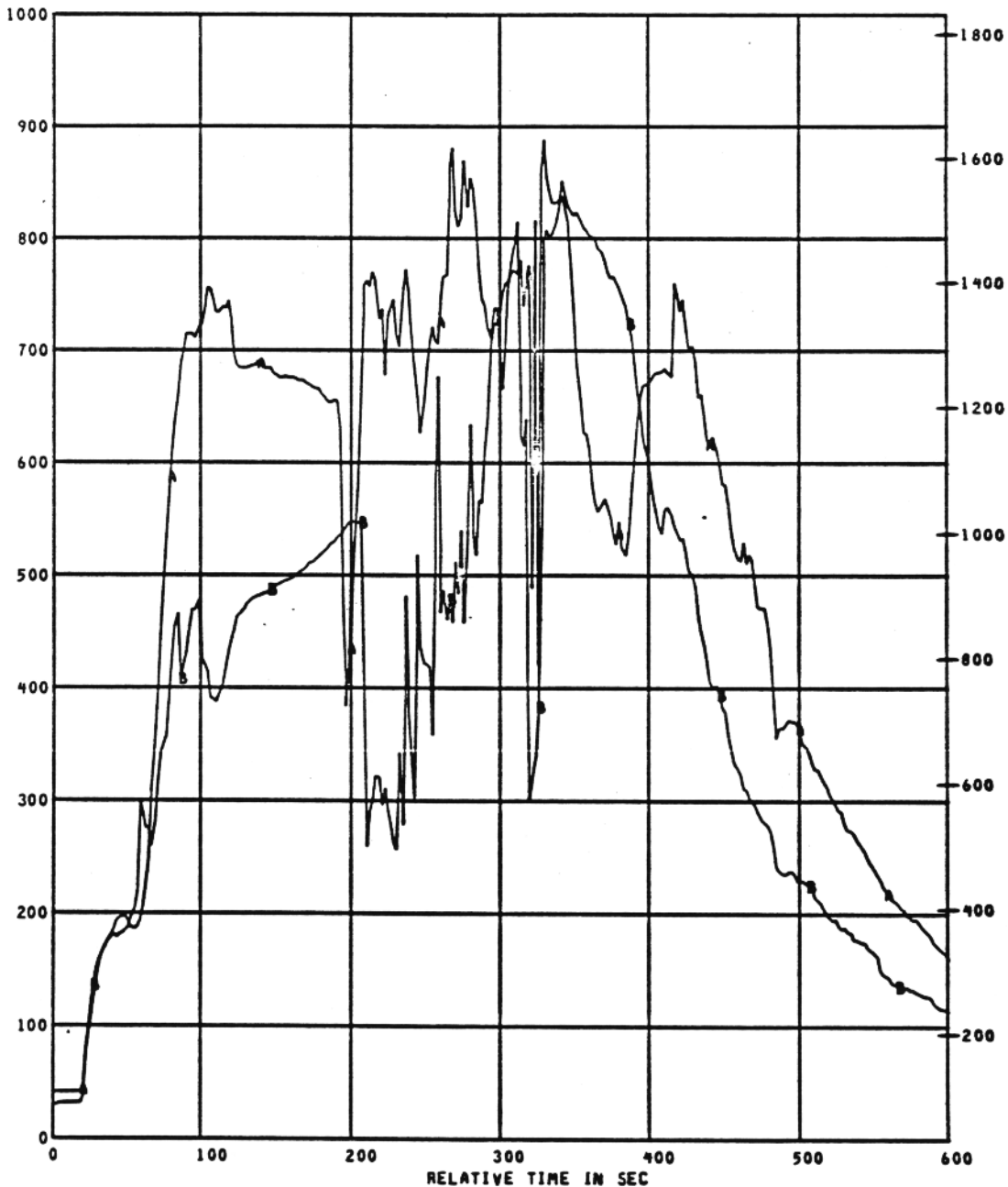
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 02 44.000



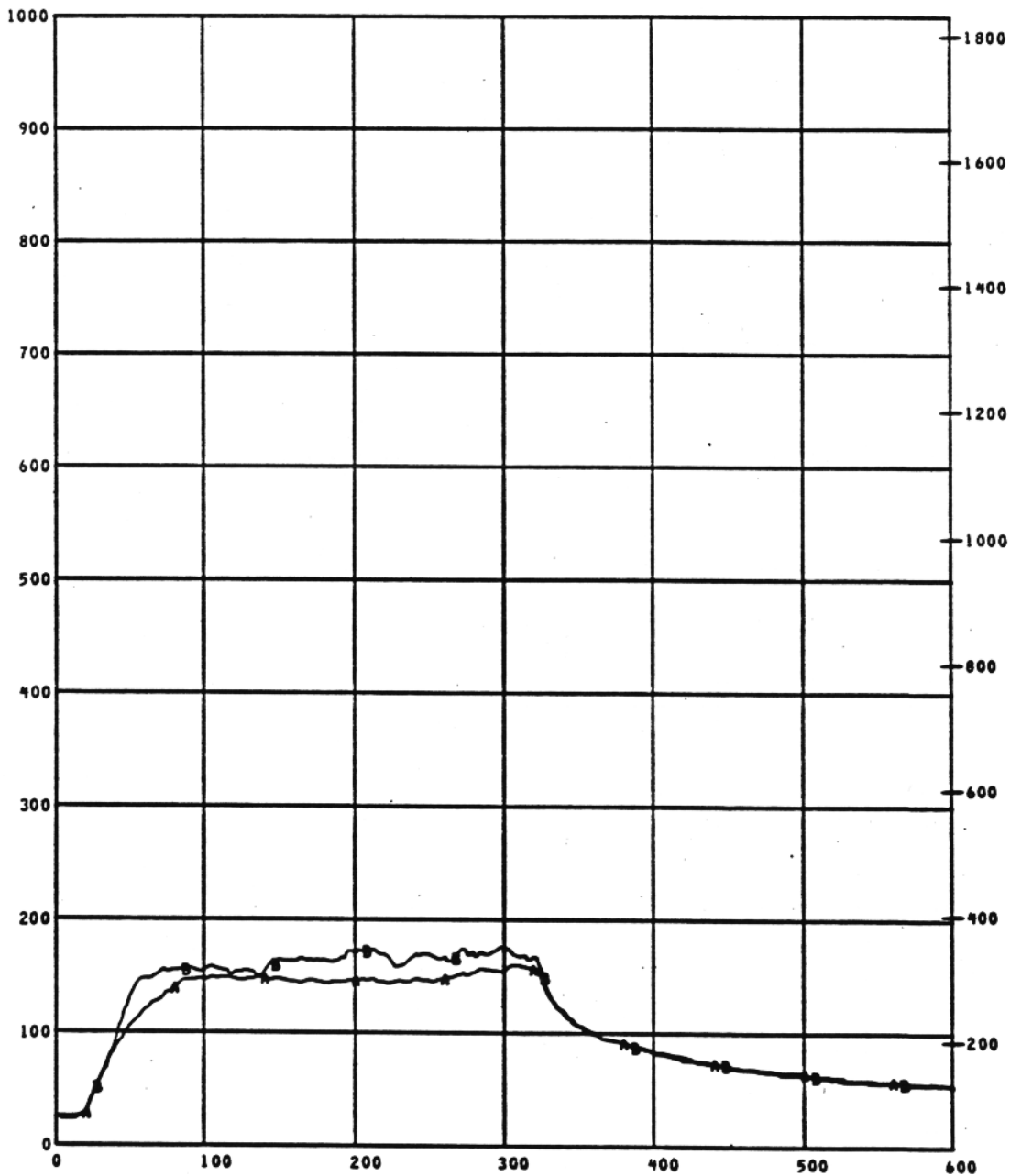
D
E
G
F

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 44.000

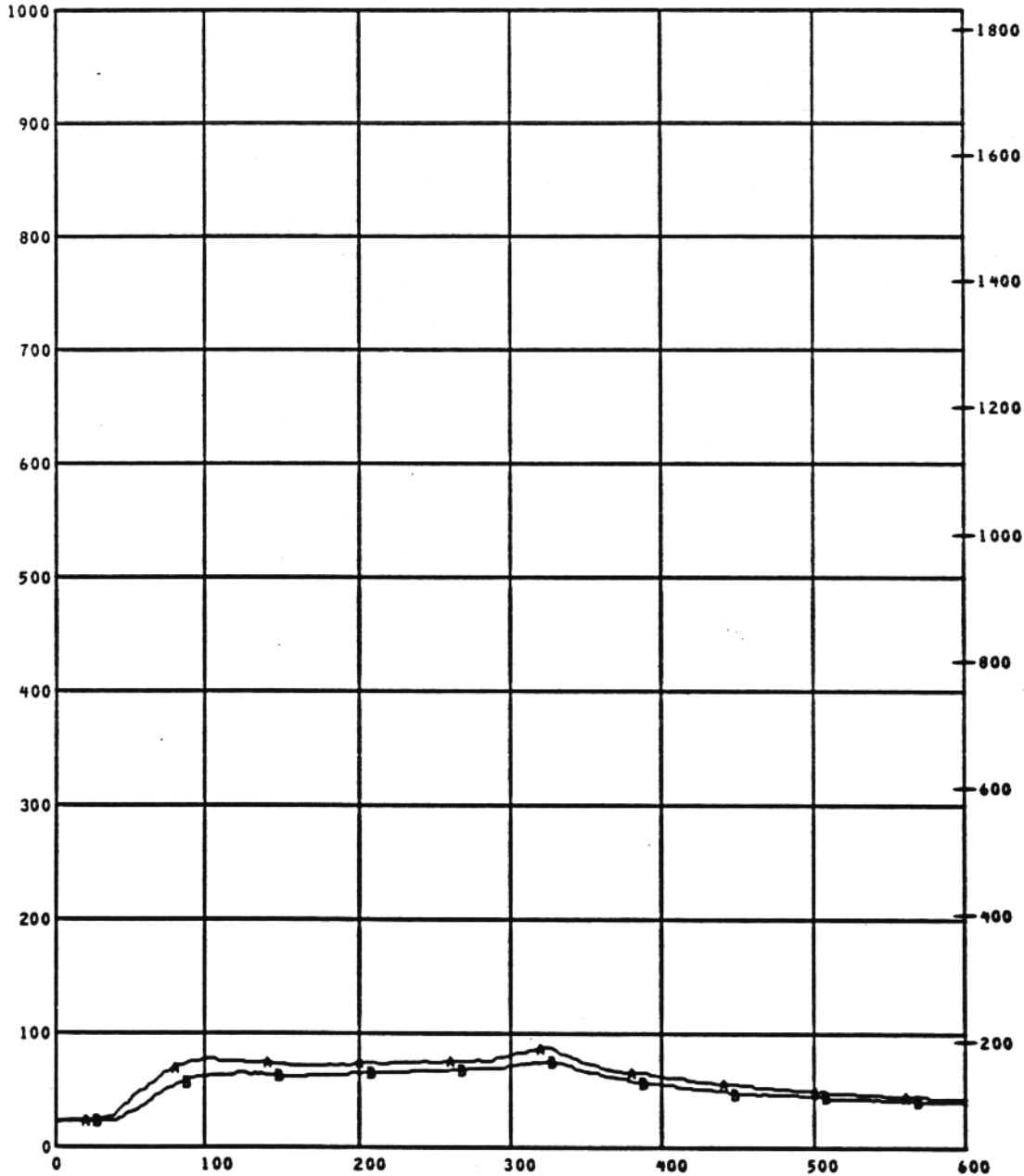


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
\$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 02 44.000



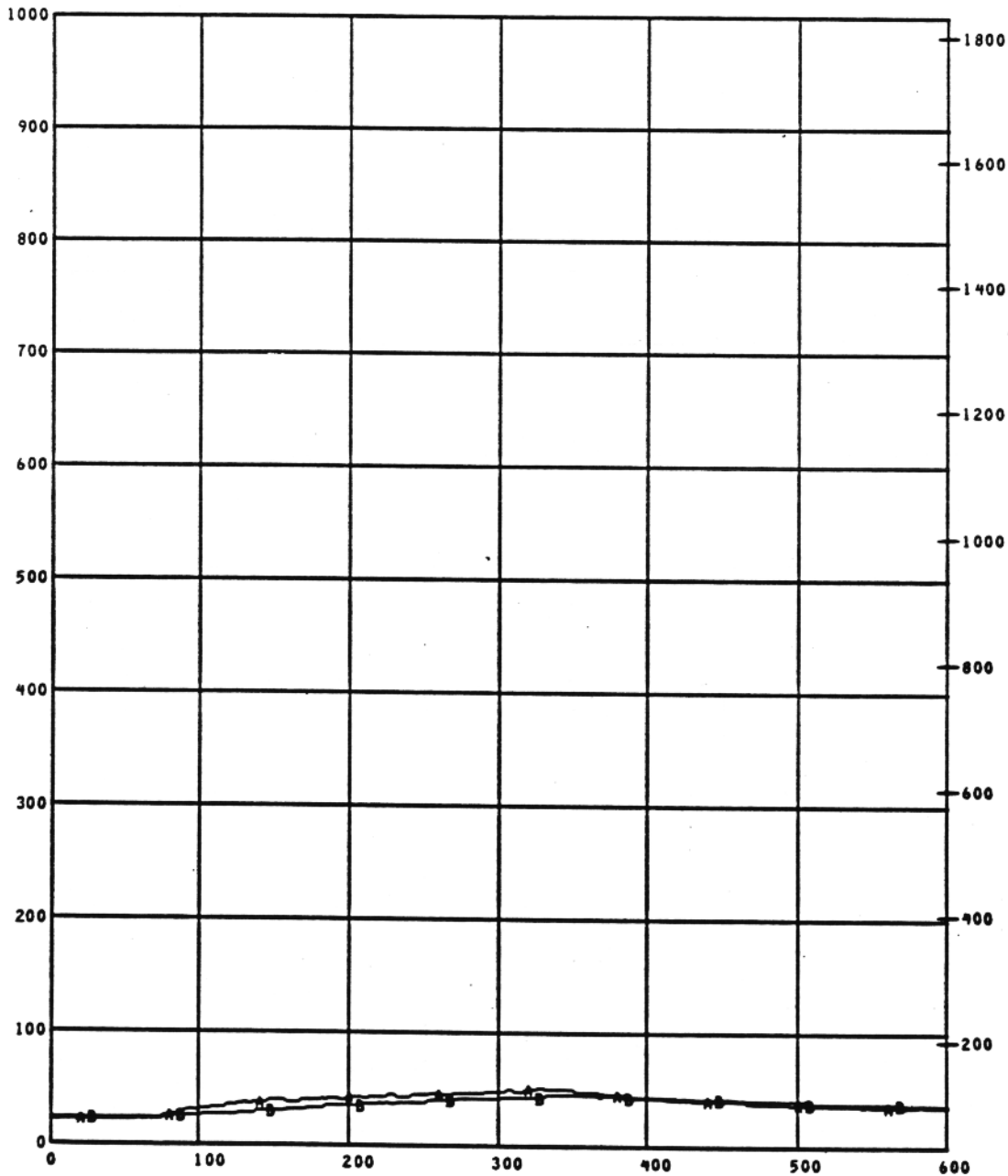
D
E
G
F

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 NASA8

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 02 44.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TRC	123
\$ TAO	124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

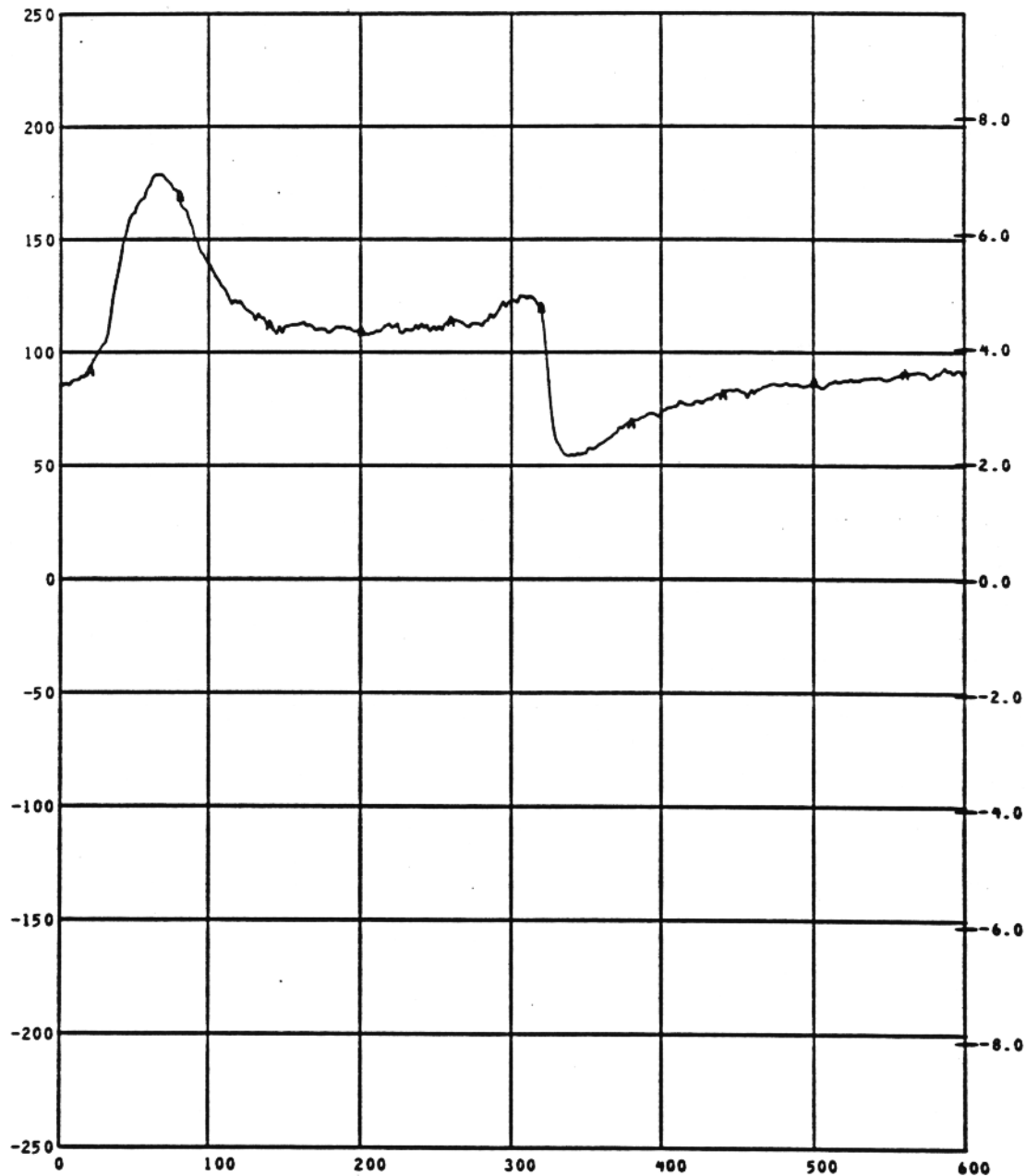
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 02 44.000



I
N
H
2
0

MEAS. NUMBER
\$ DPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

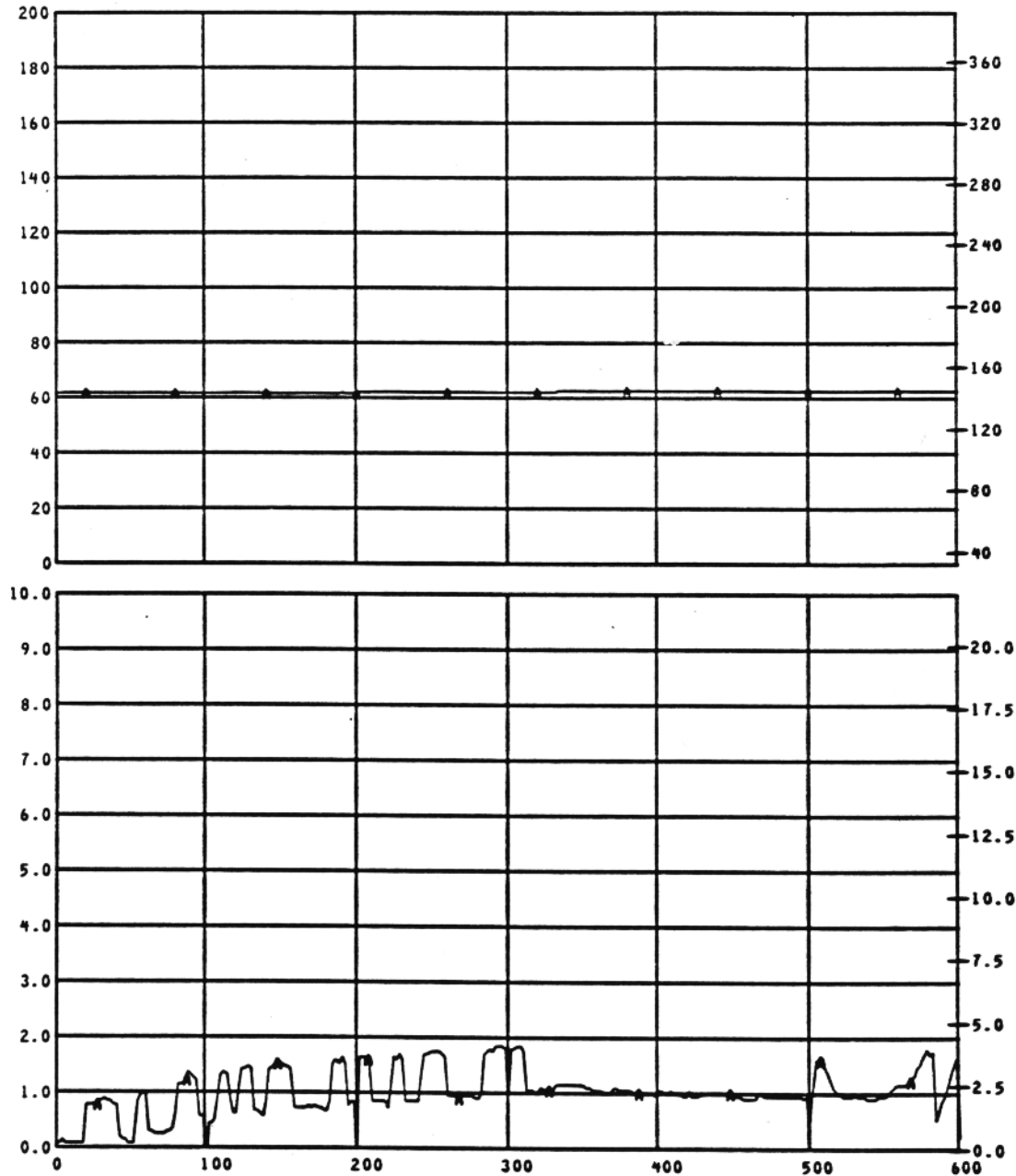
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 AA

TEST ID NASA8

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 02 44.000



D
E
G
F

L
B
S

MEAS. NUMBER
\$ TLC
\$ WL

CHANNEL ASGN.
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

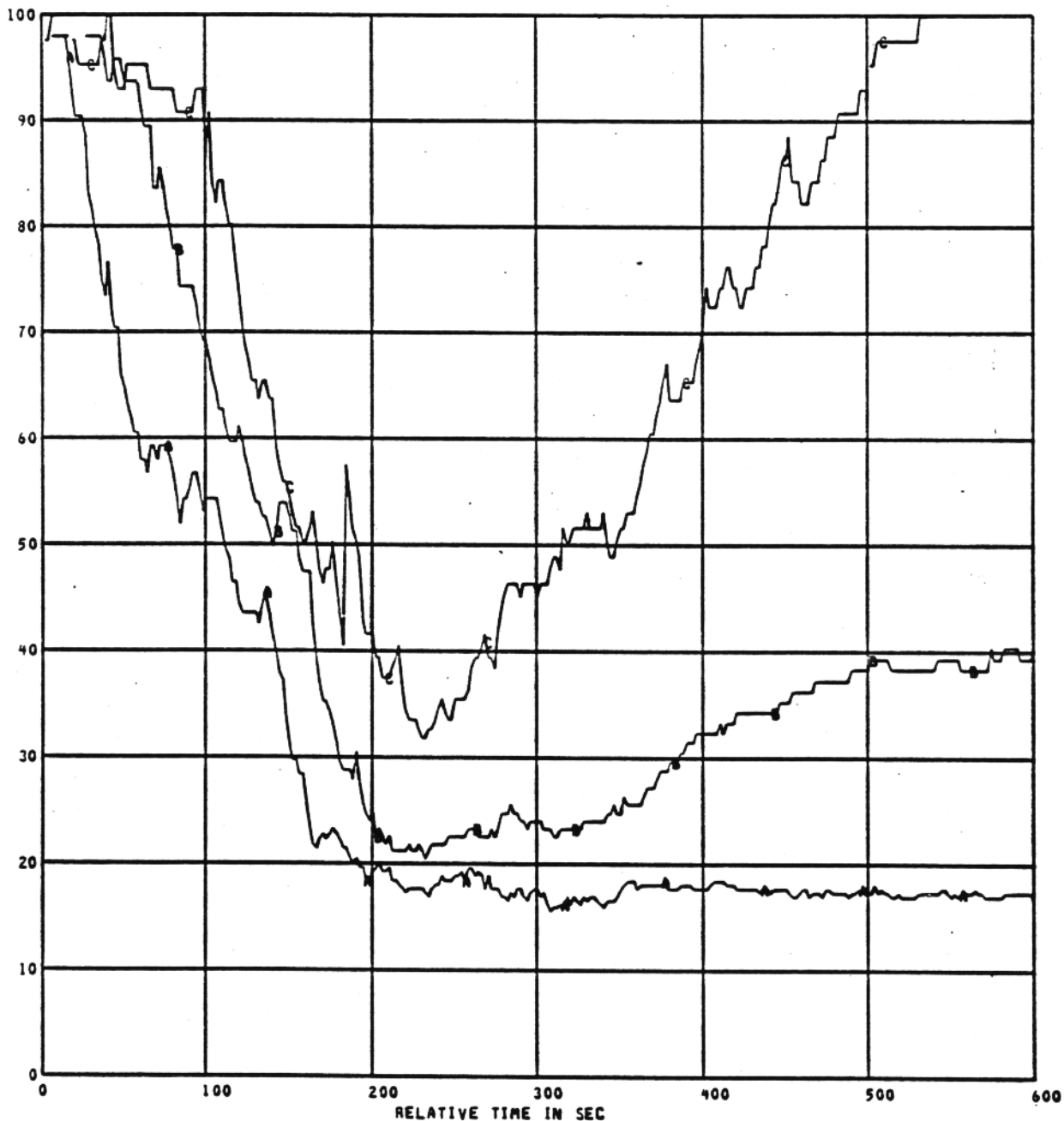
3.2 CUSHION DATA, FUEL PAN TESTS

		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 NAS1B

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 09 51 40.000

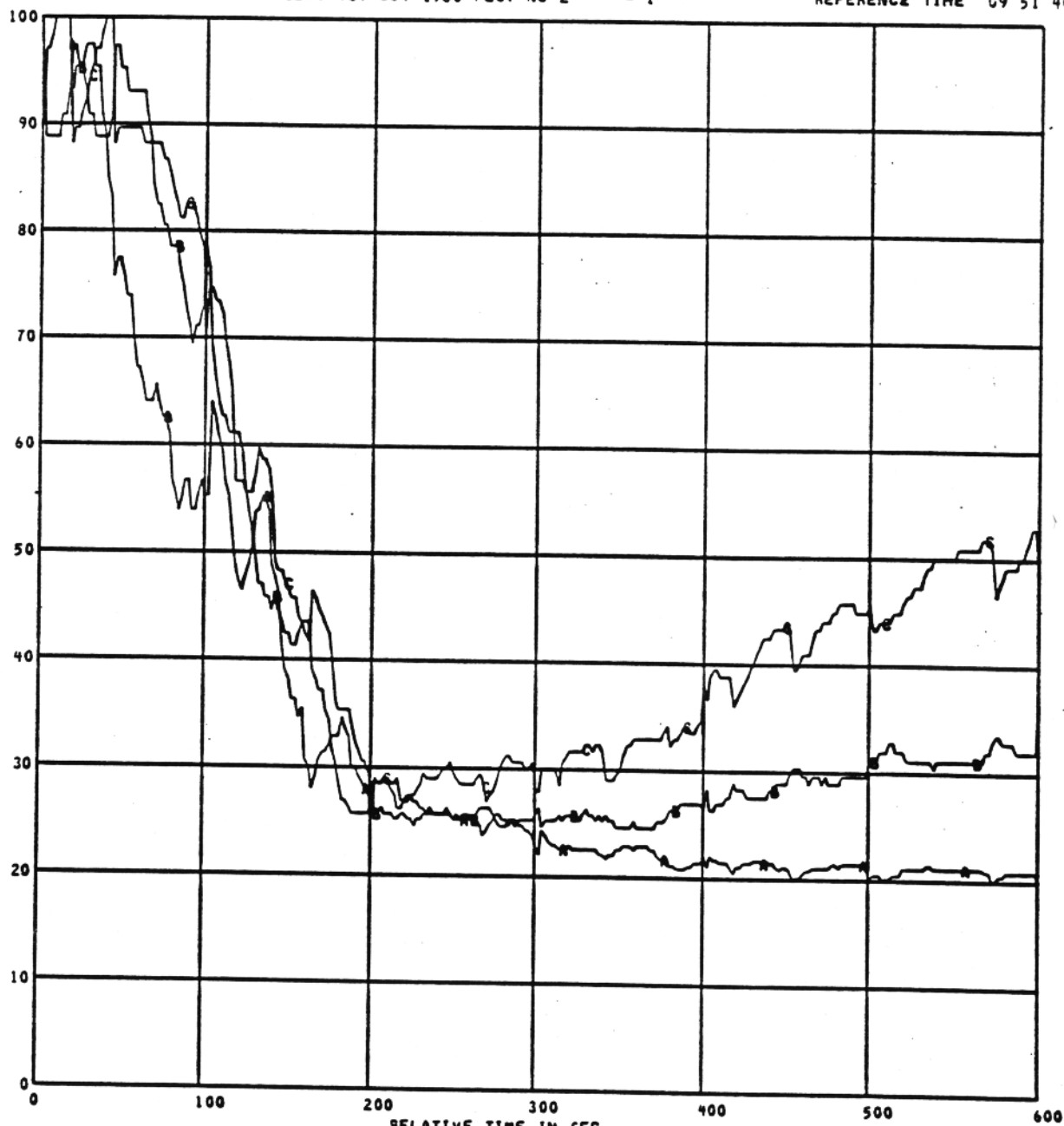


MEAS. NUMBER	CHANNEL ASSGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 09 51 40.000

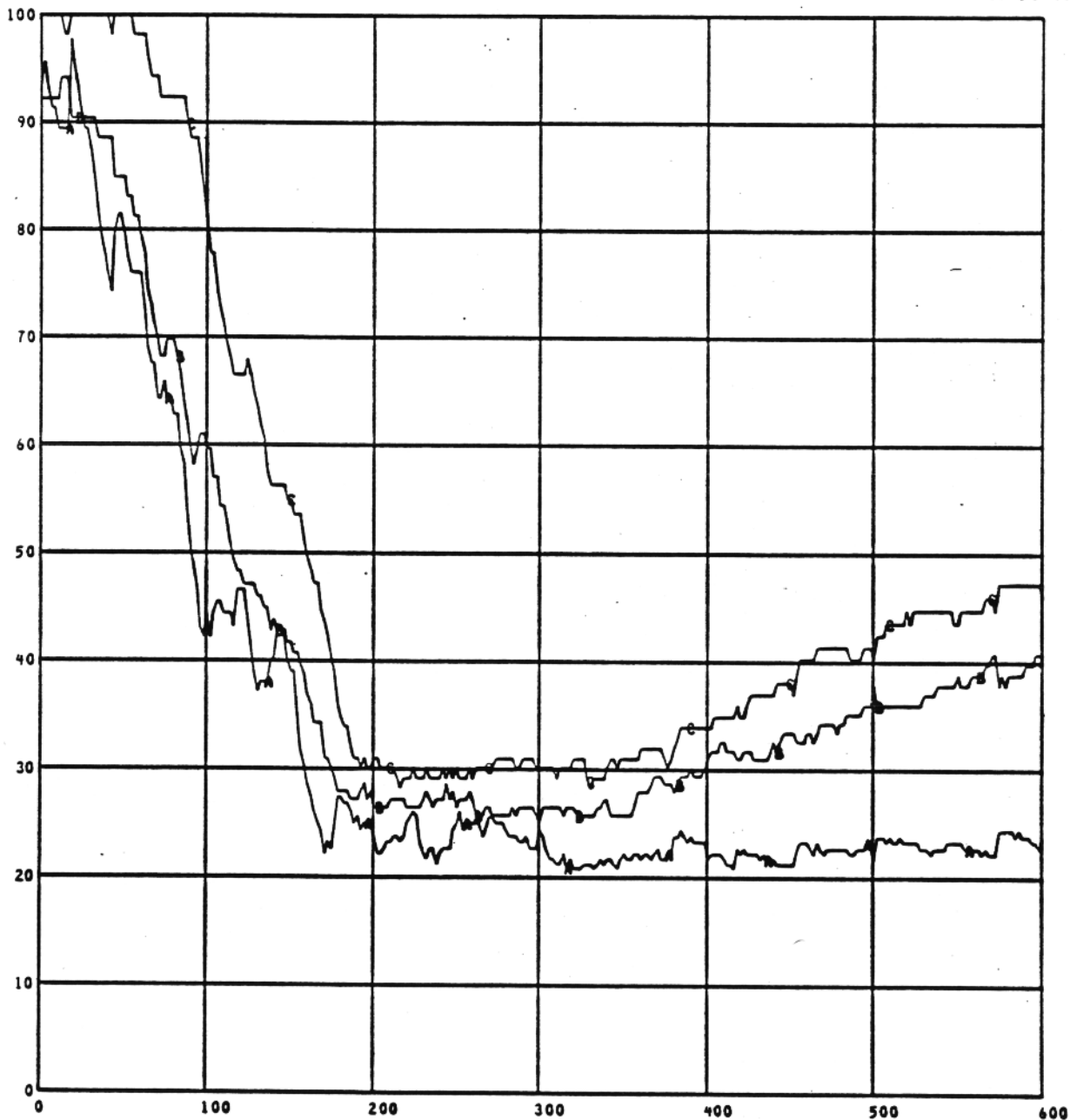


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PH1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PH2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PH3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 09 51 40.000

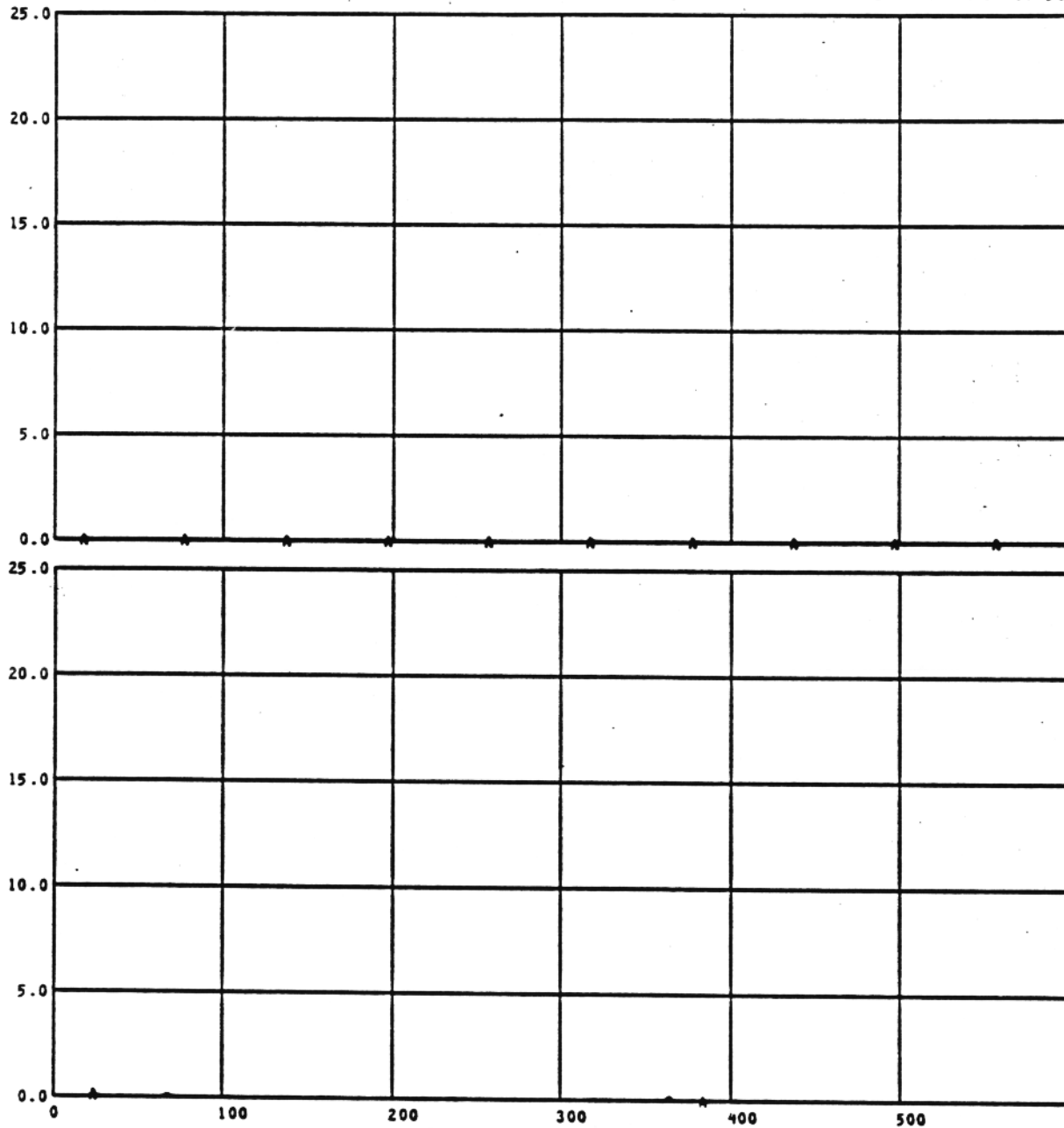


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 09 51 40.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

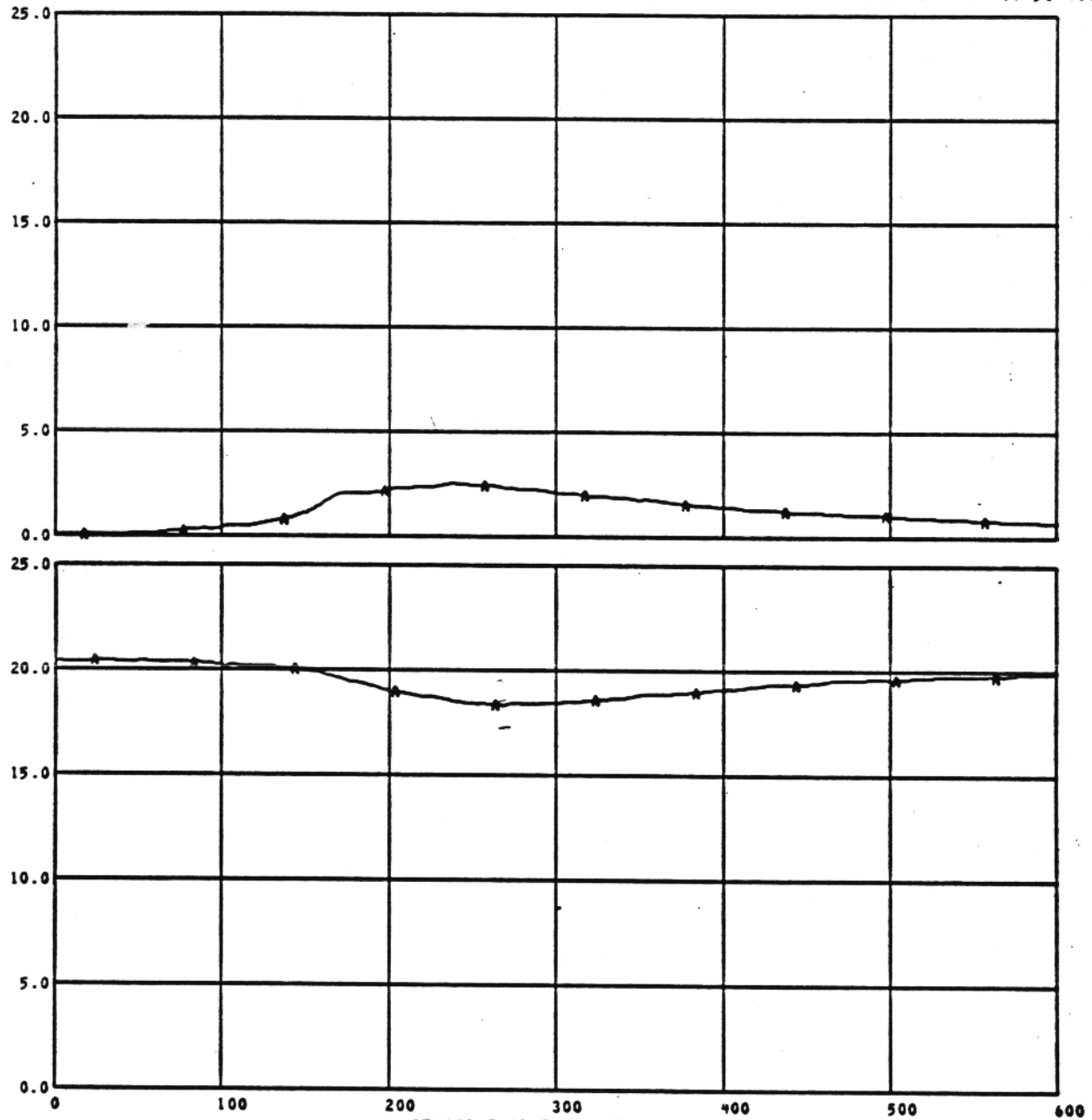
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 09 51 40.000



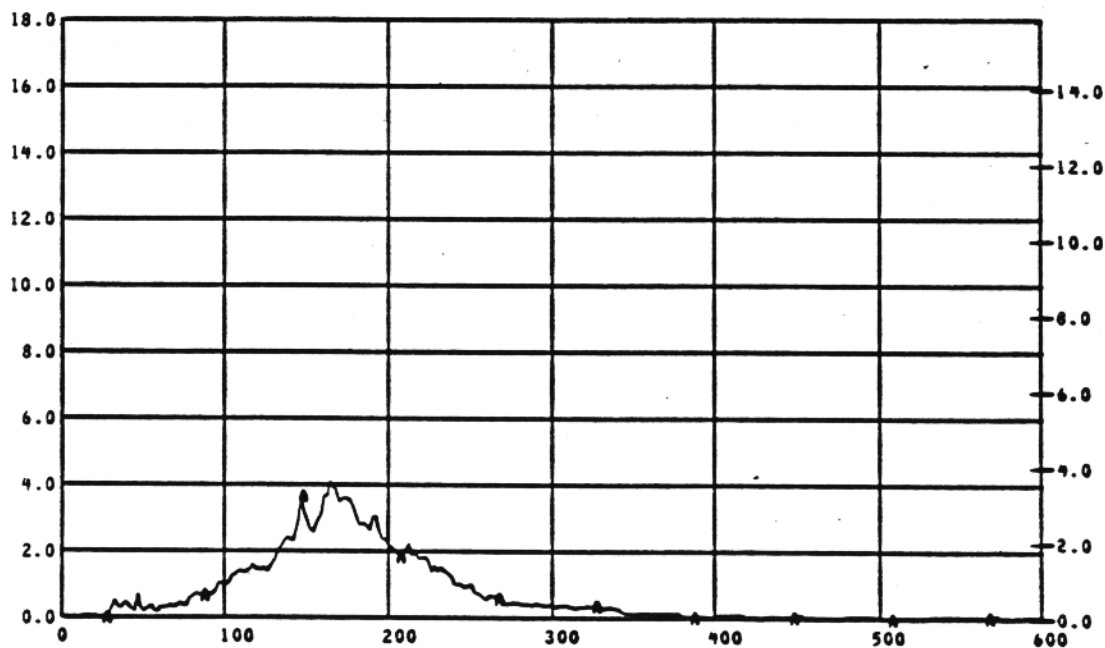
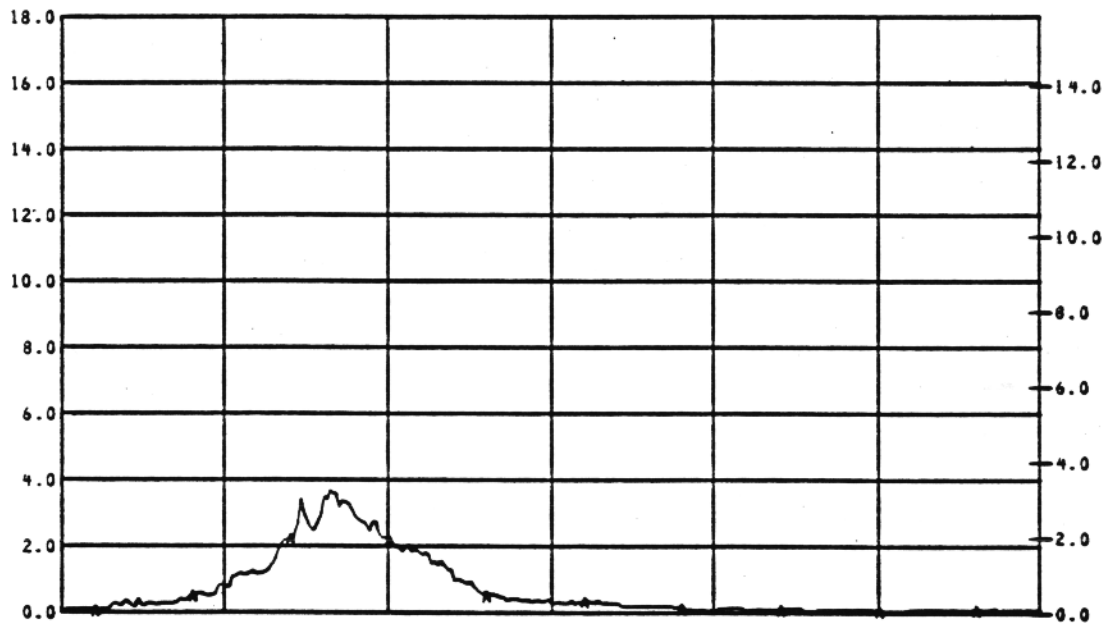
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 6

- 1

REFERENCE TIME 09 51 40.000



B
T
U
/
F
T
2

B
T
U
/
F
T
2

MEAS. NUMBER
\$ CU
\$ CL

CHANNEL ASGN.
150
151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

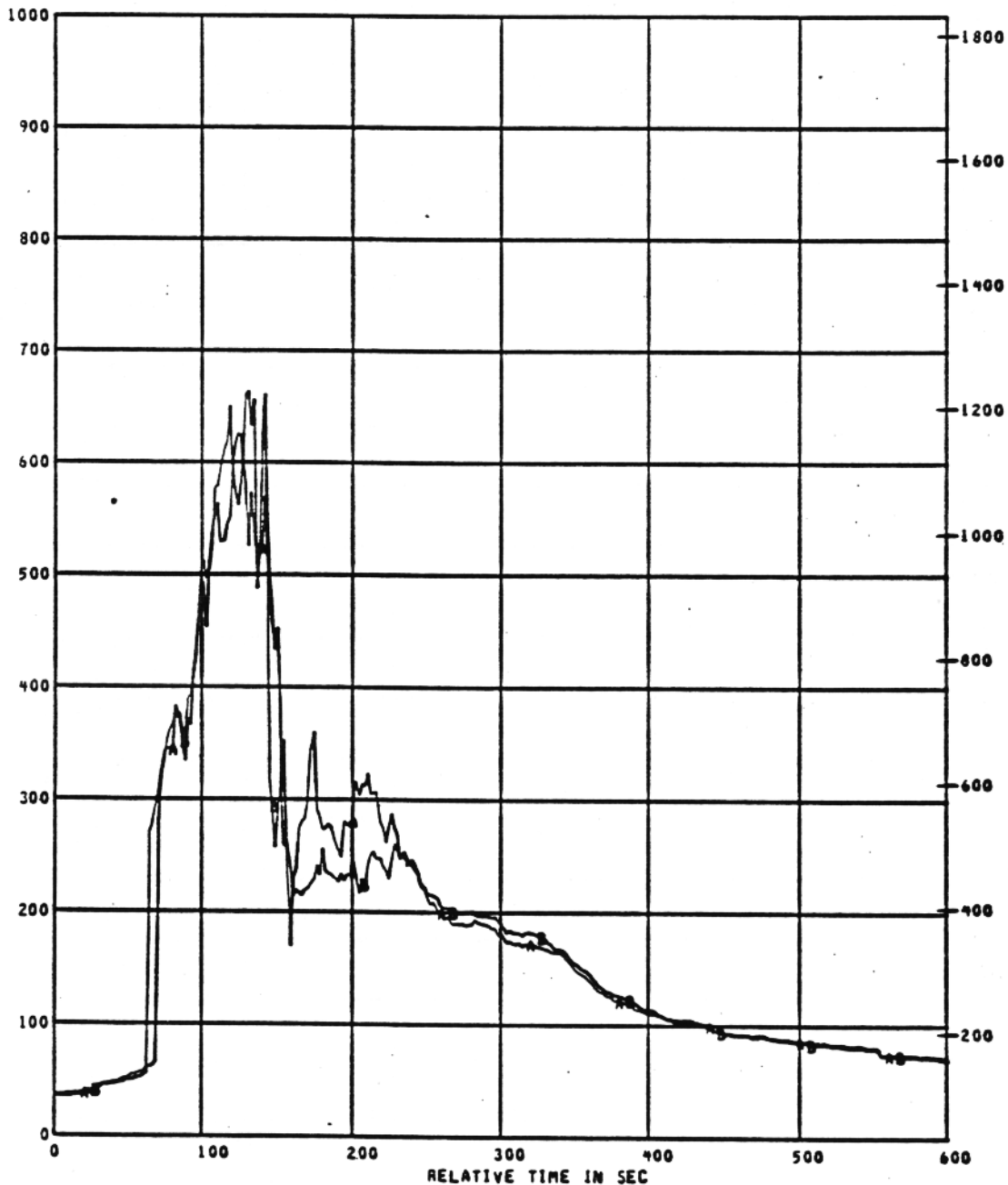
RANGE
0.0 TO 18.0
0.0 TO 18.0

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

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 09 51 40.000



D
E
G
C

MEAS. NUMBER
\$ TSL1
\$ TSL2

CHANNEL ASGN.
101
102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

RANGE
0 TO 1000
0 TO 1000

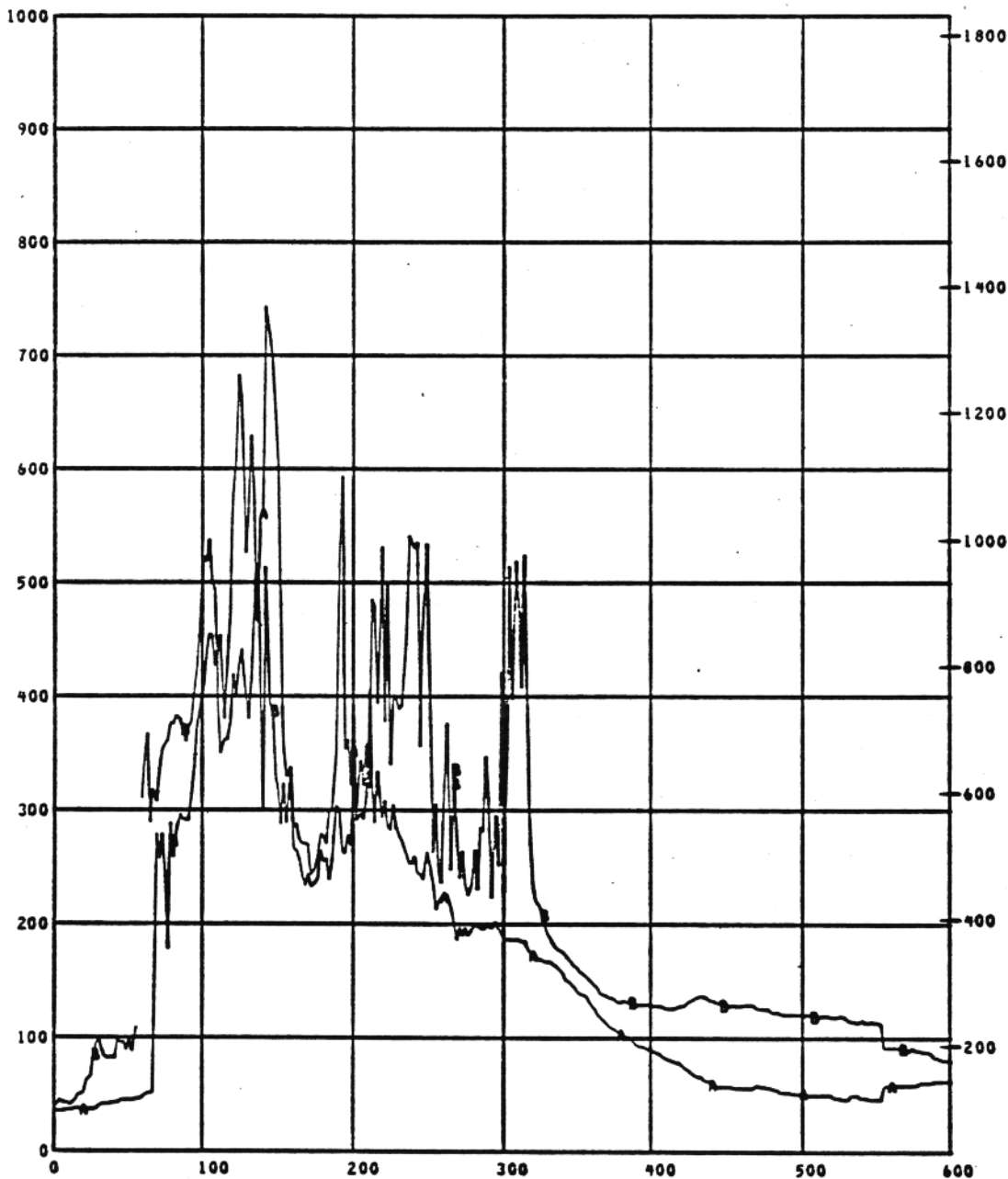
UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 8

- 1

REFERENCE TIME 09 51 40.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

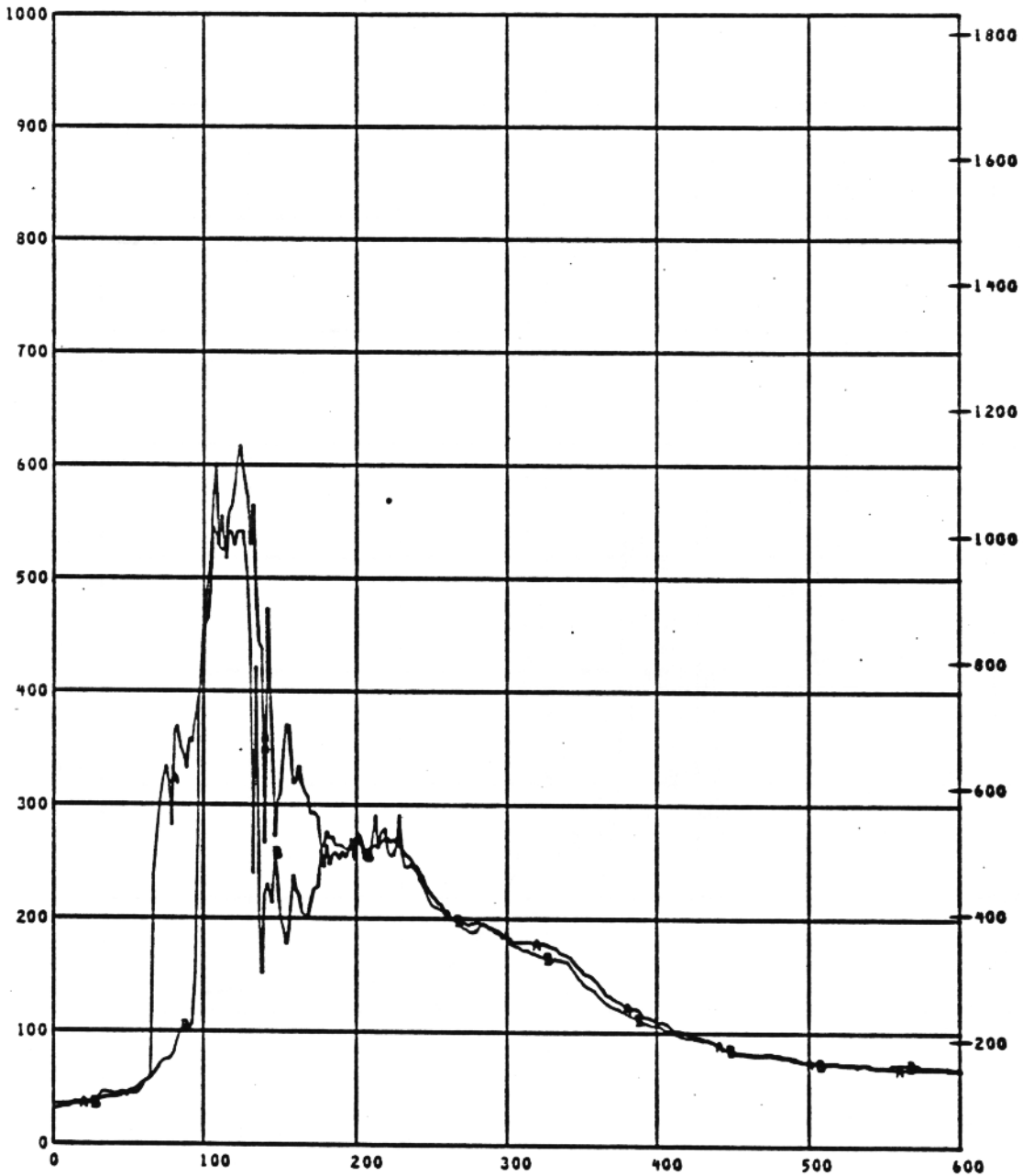
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 09 51 40.000

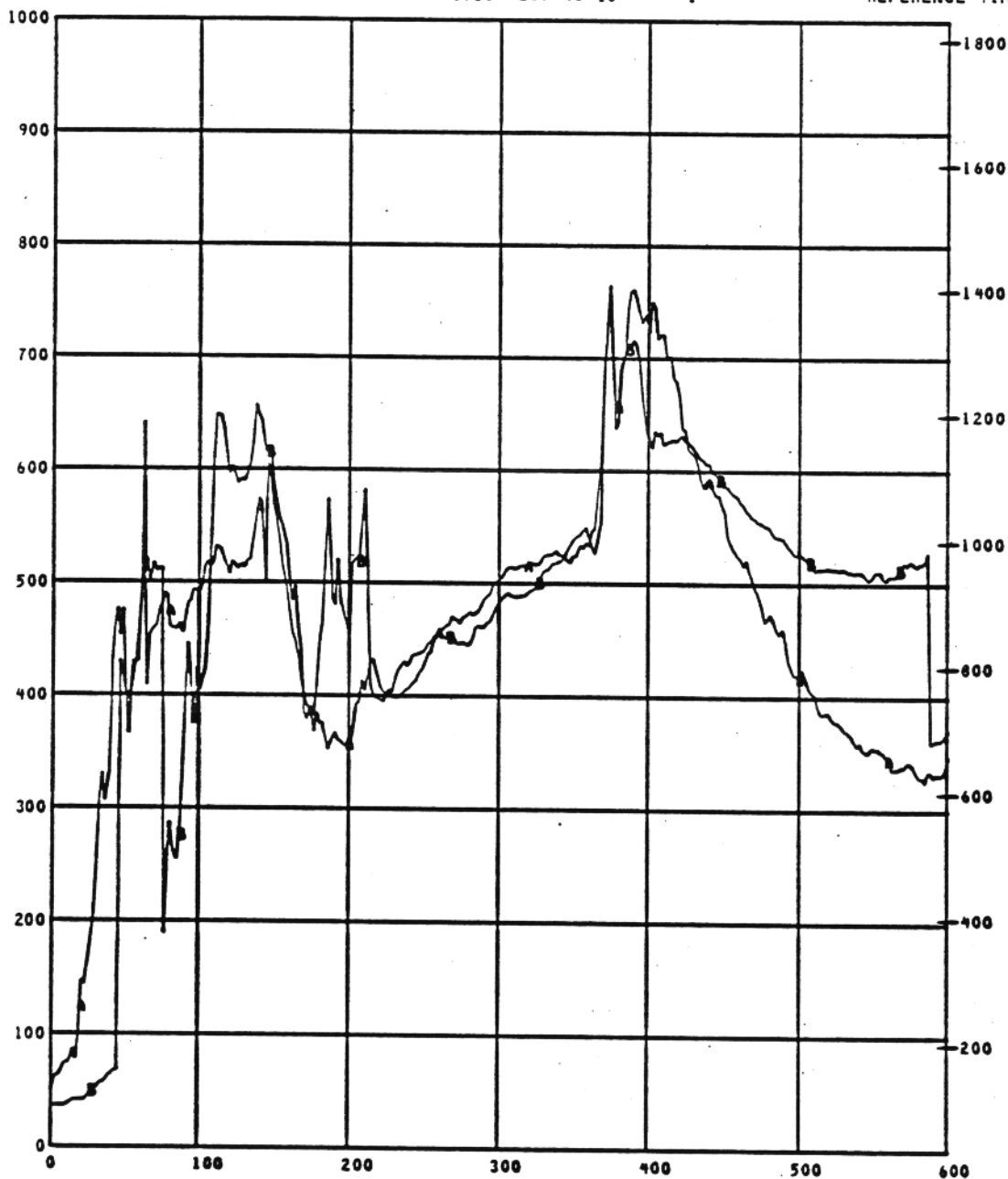


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
\$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 09 51 40.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSR1	107
\$ TSR2	108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

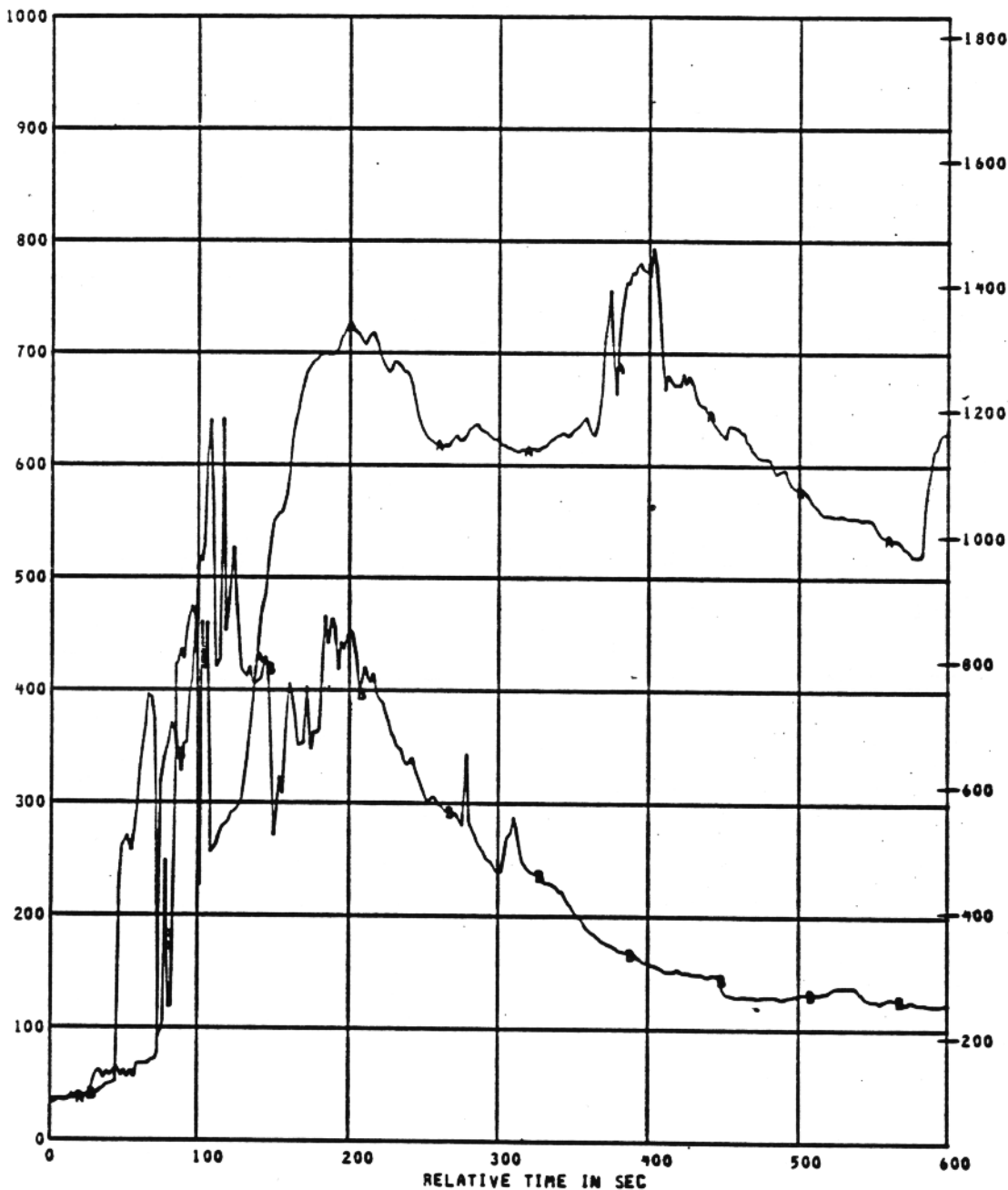
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 09 51 40.000



MEAS. NUMBER
\$ TSR3
\$ TBL1

CHANNEL ASGN.
109
110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

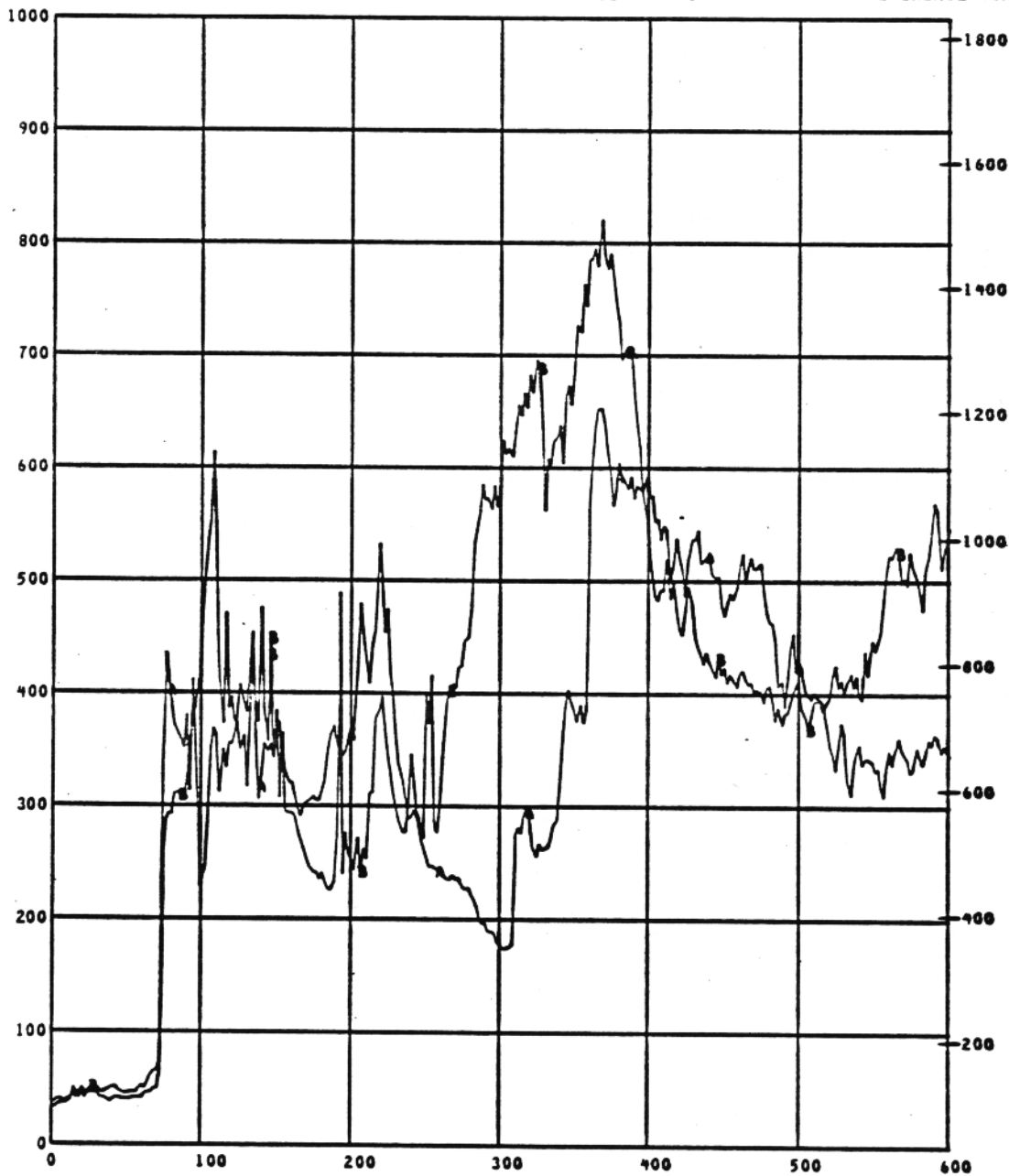
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 09 51 40.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBL2	111
\$ TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

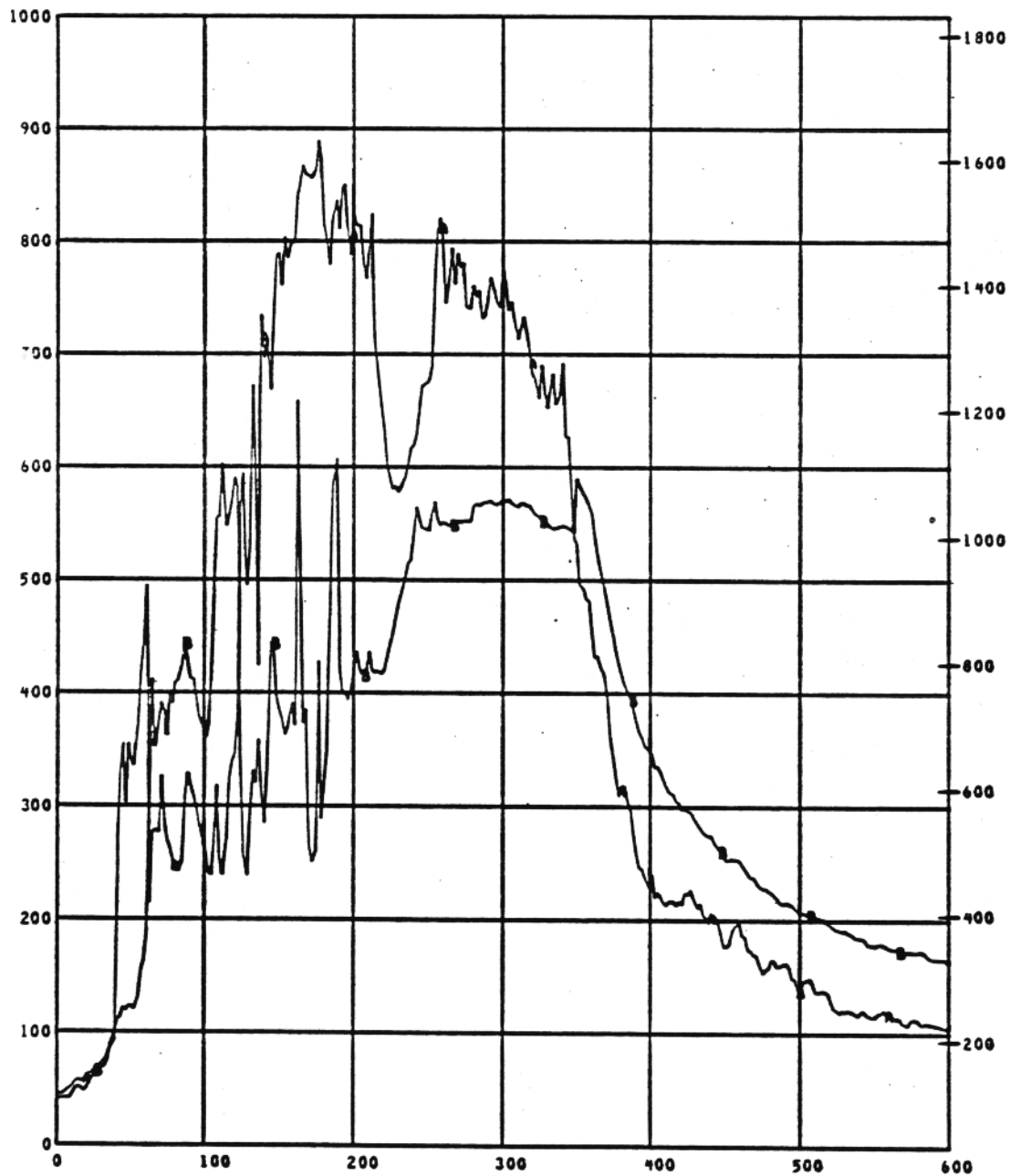
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 09 51 40.000

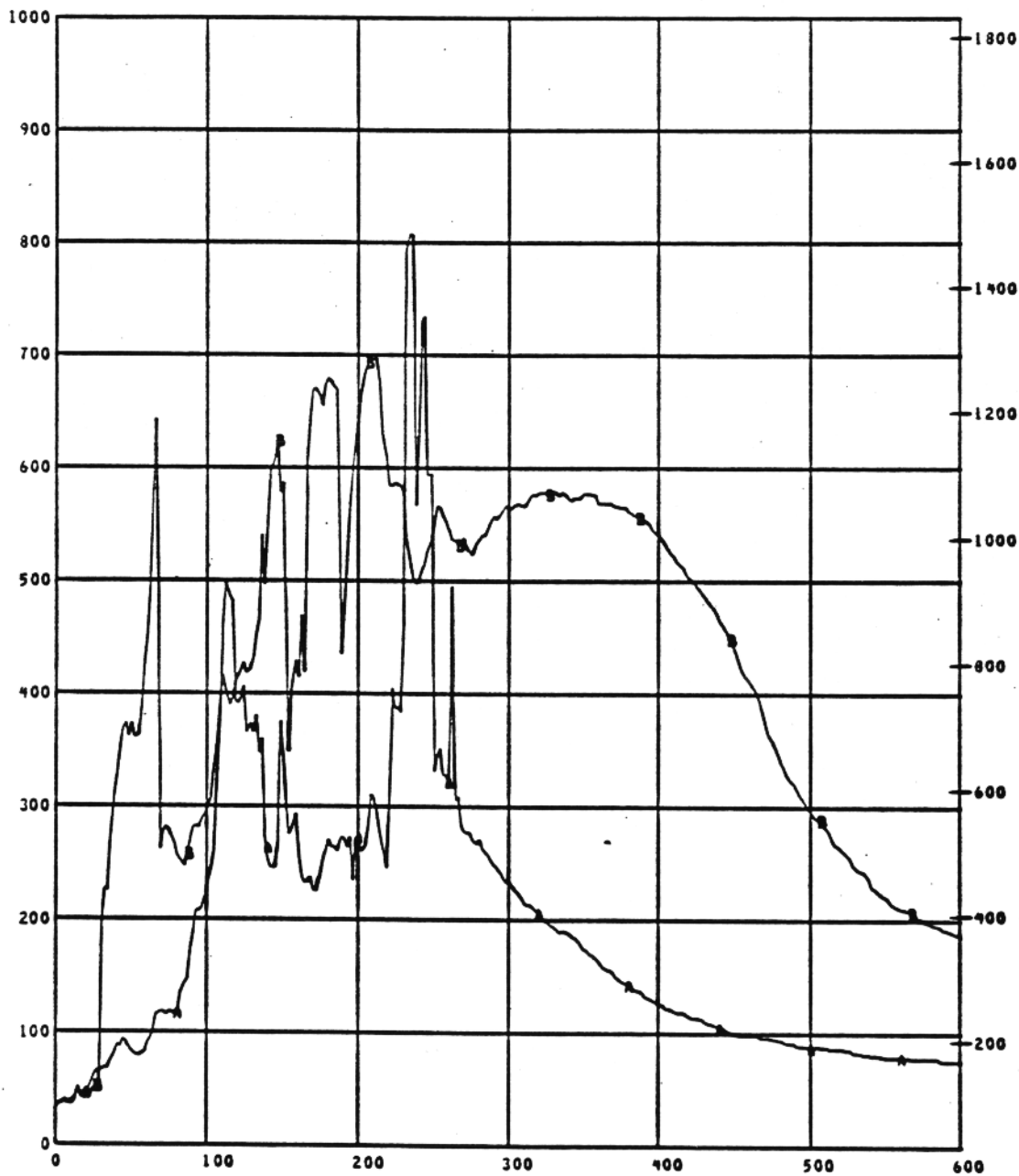


MEAS. NUMBER	CHANNEL ASSGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
\$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 09 51 40.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBC3	115
\$ TBR1	116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

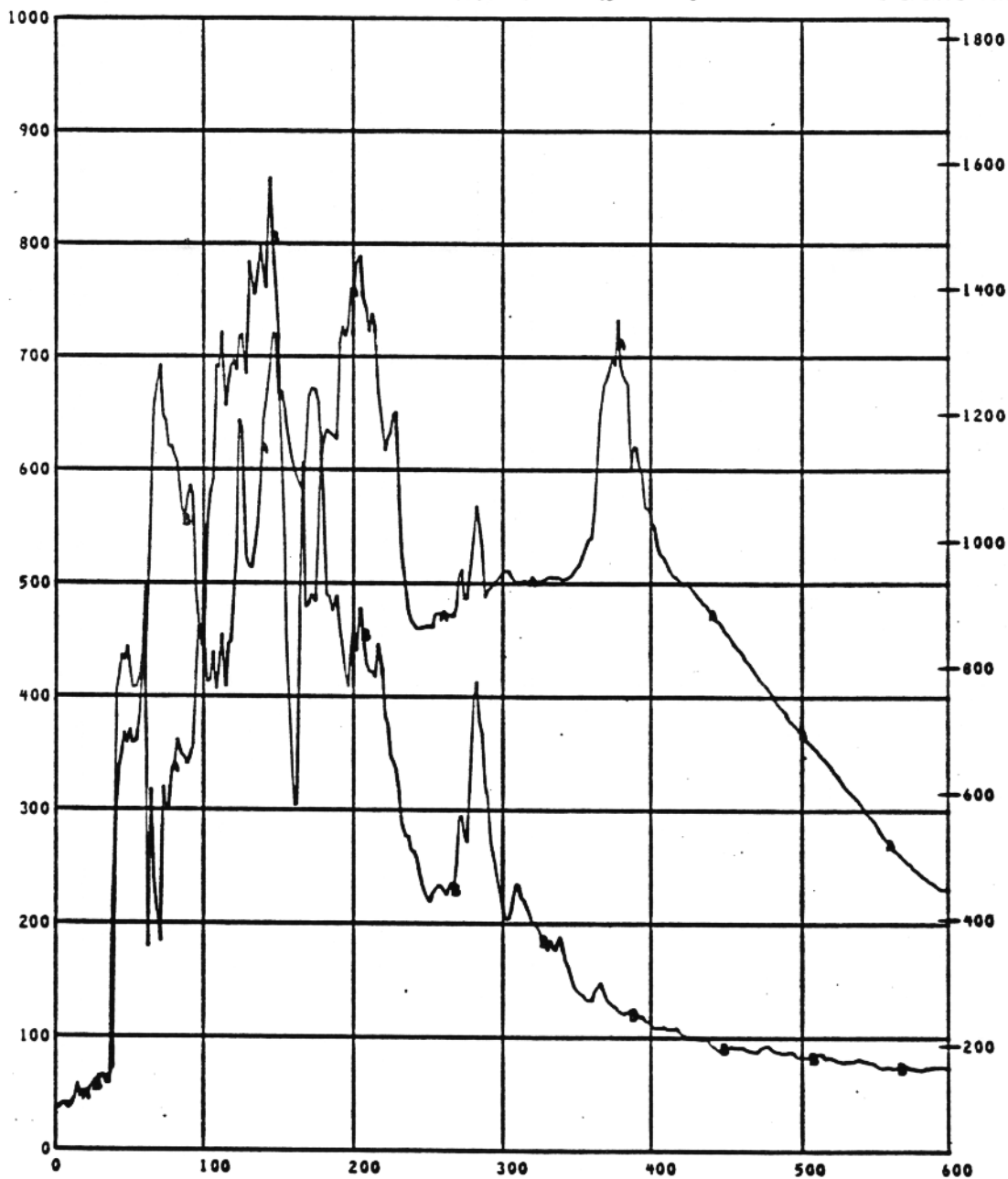
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS18

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 09 51 40.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBR2	117
\$ TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

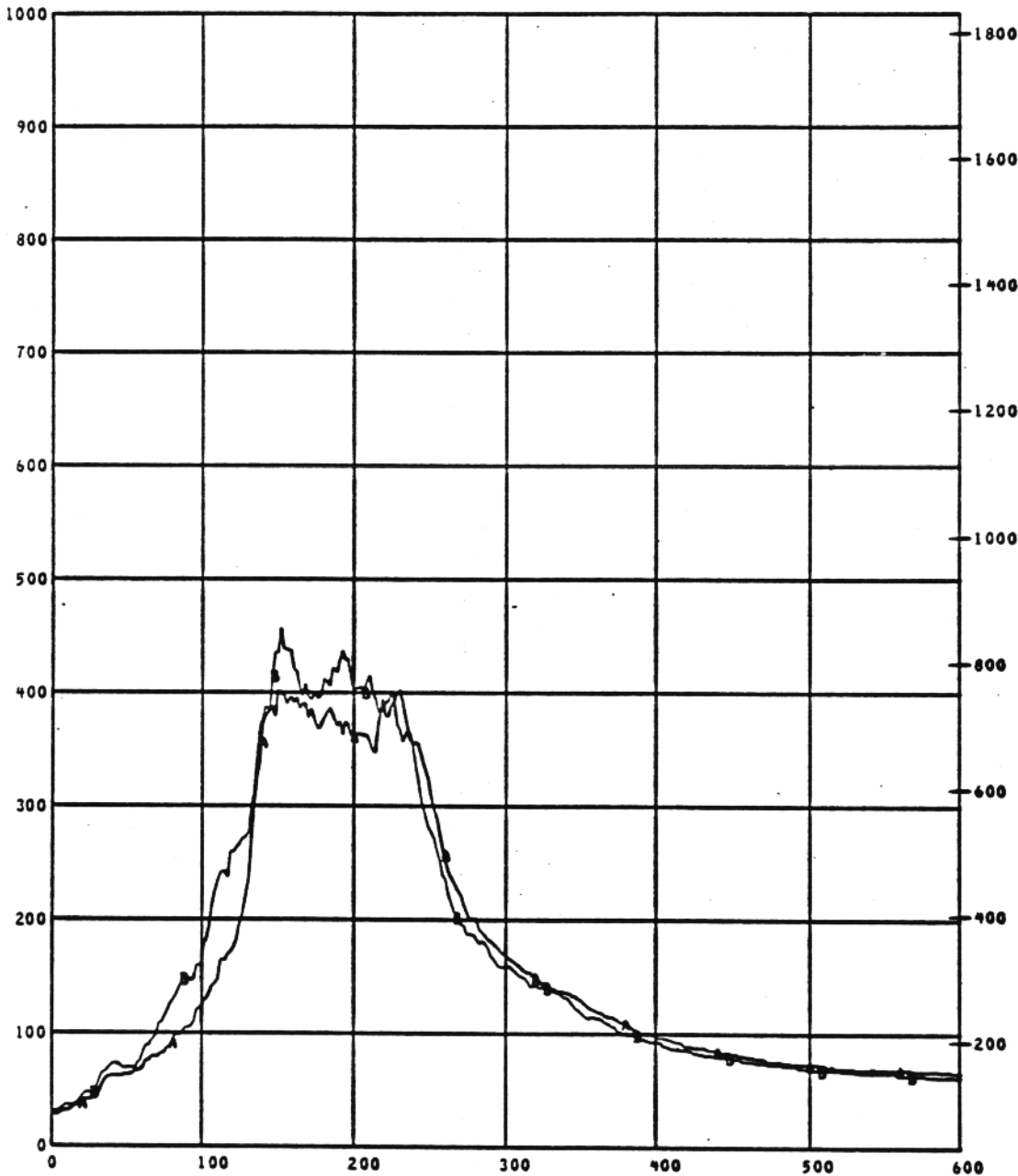
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 09 51 40.000



D
E
G
F

MEAS. NUMBER CHANNEL ASGN.
\$ TCL 119
\$ TCR 120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

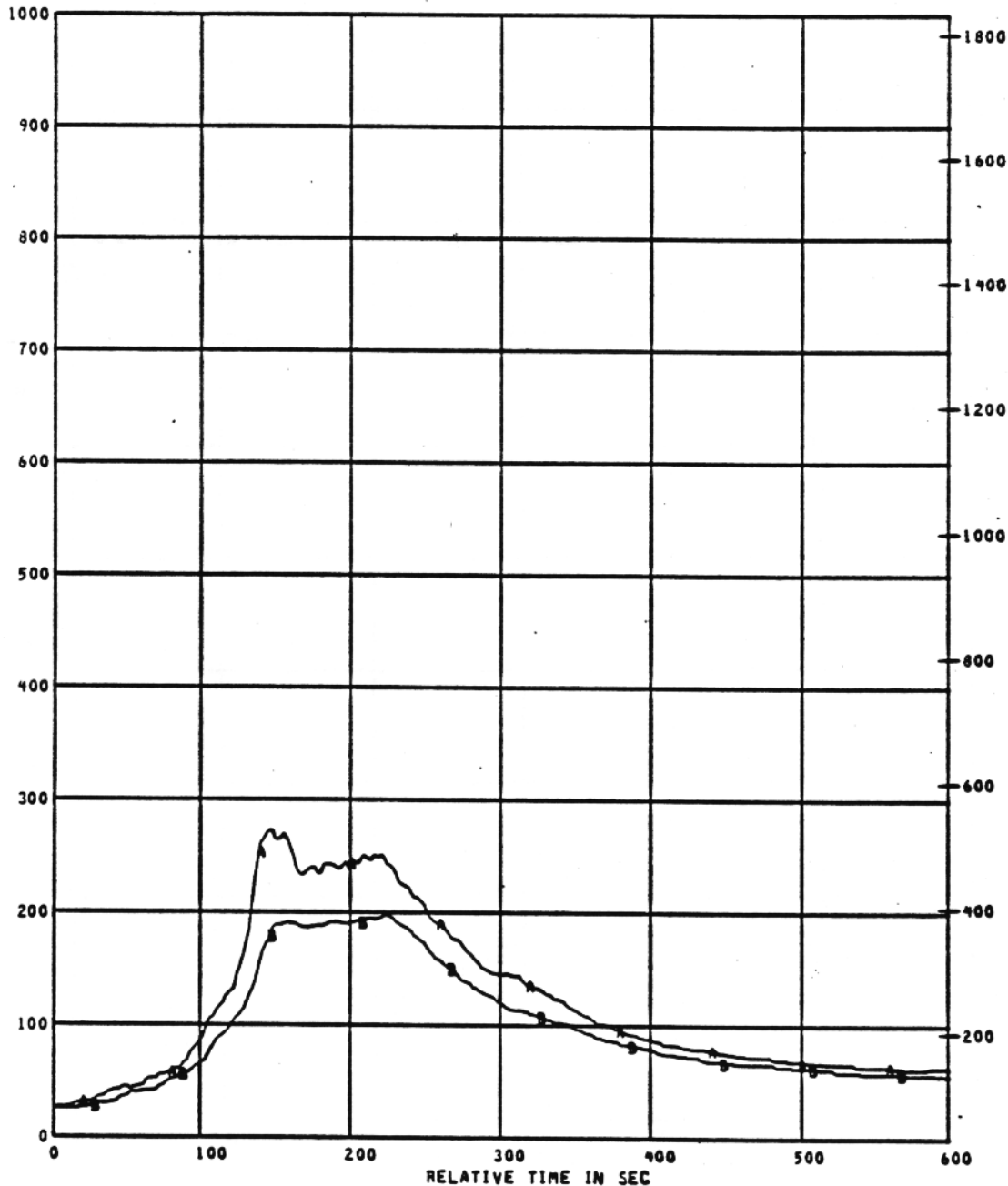
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 09 51 40.000

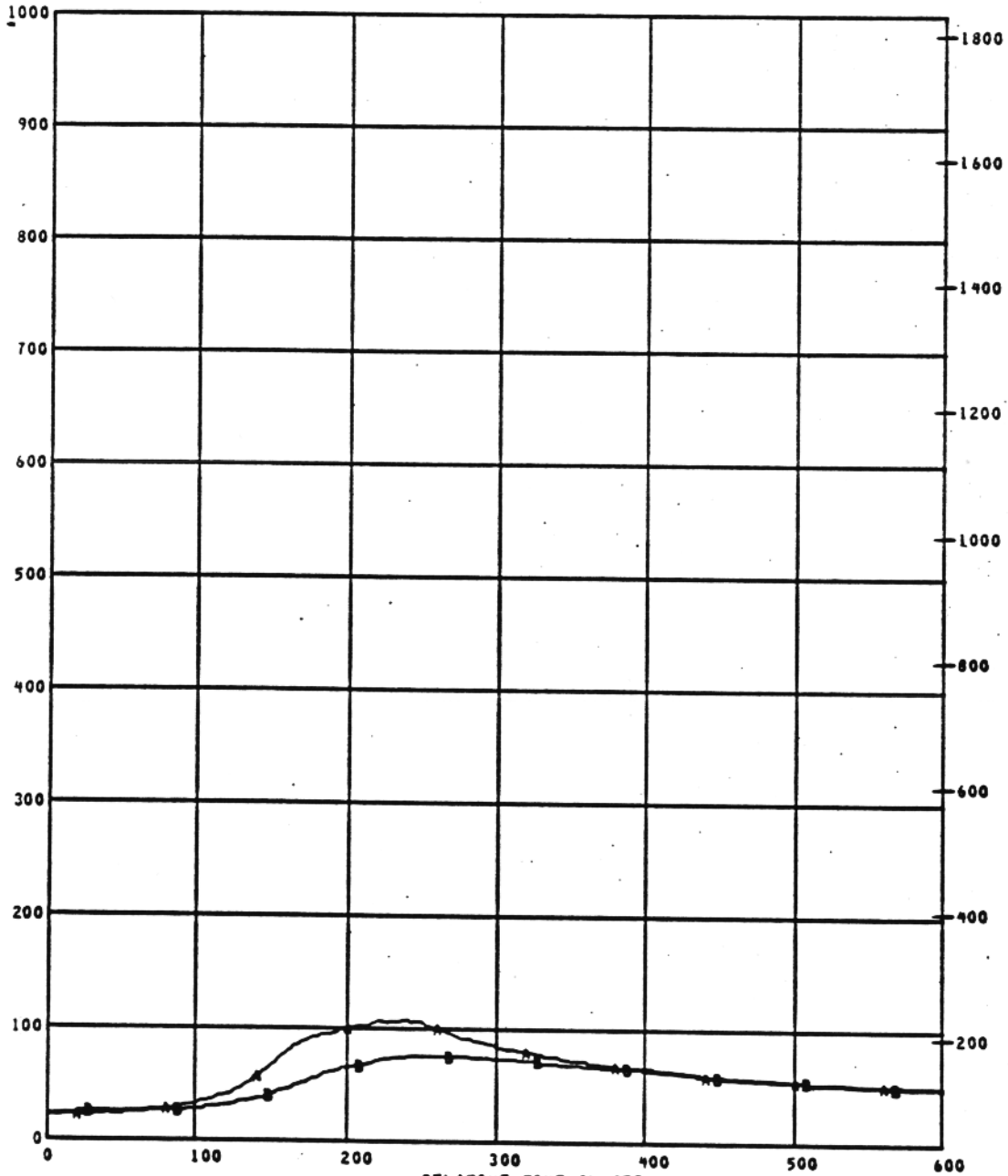


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
\$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 09 51 40.000



D
E
G
F

MEAS. NUMBER
\$ TRC
\$ TAO

CHANNEL ASGN.
123
124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

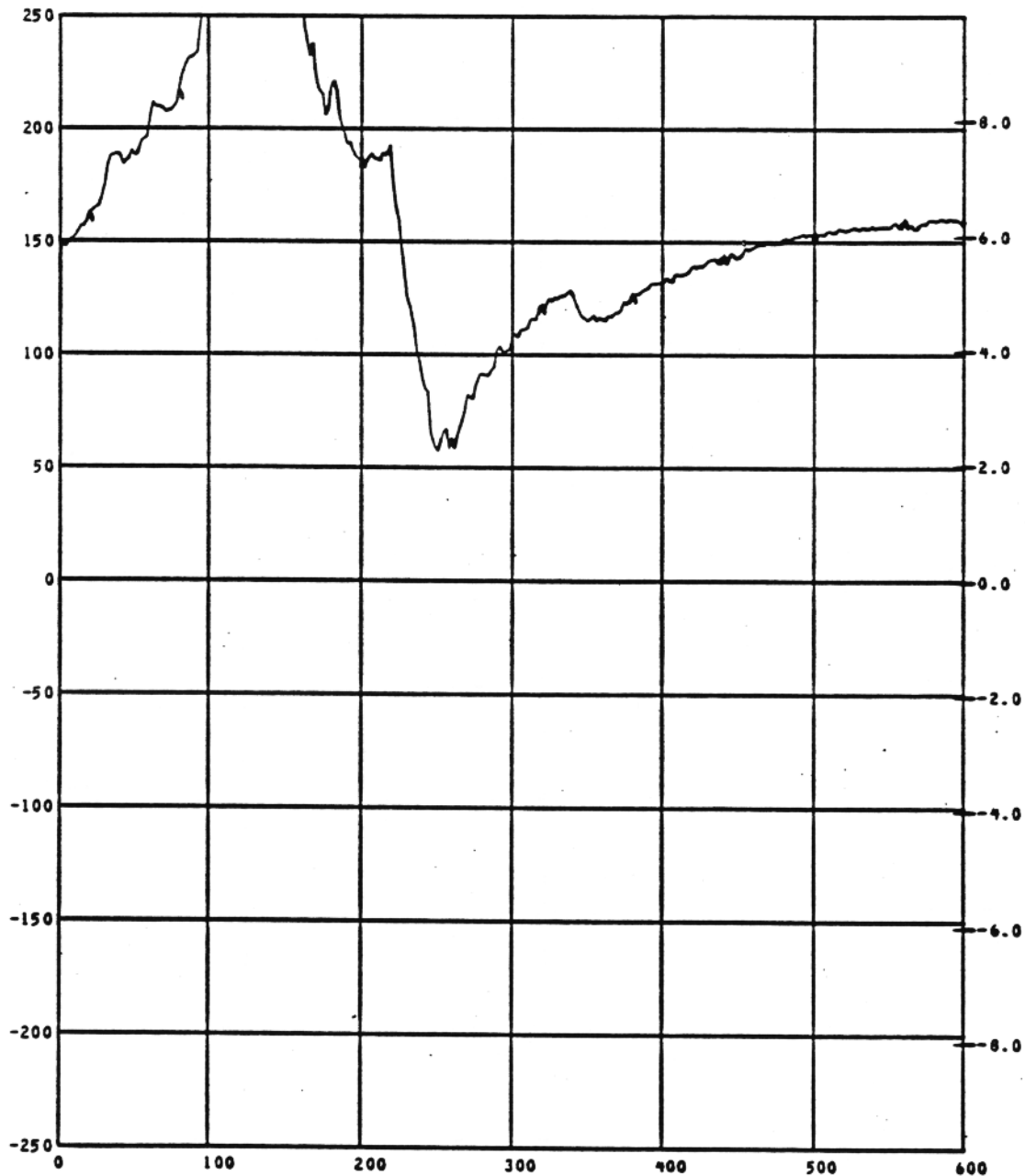
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 09 51 40.000



I
M
H
2
0

MEAS. NUMBER
s DPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

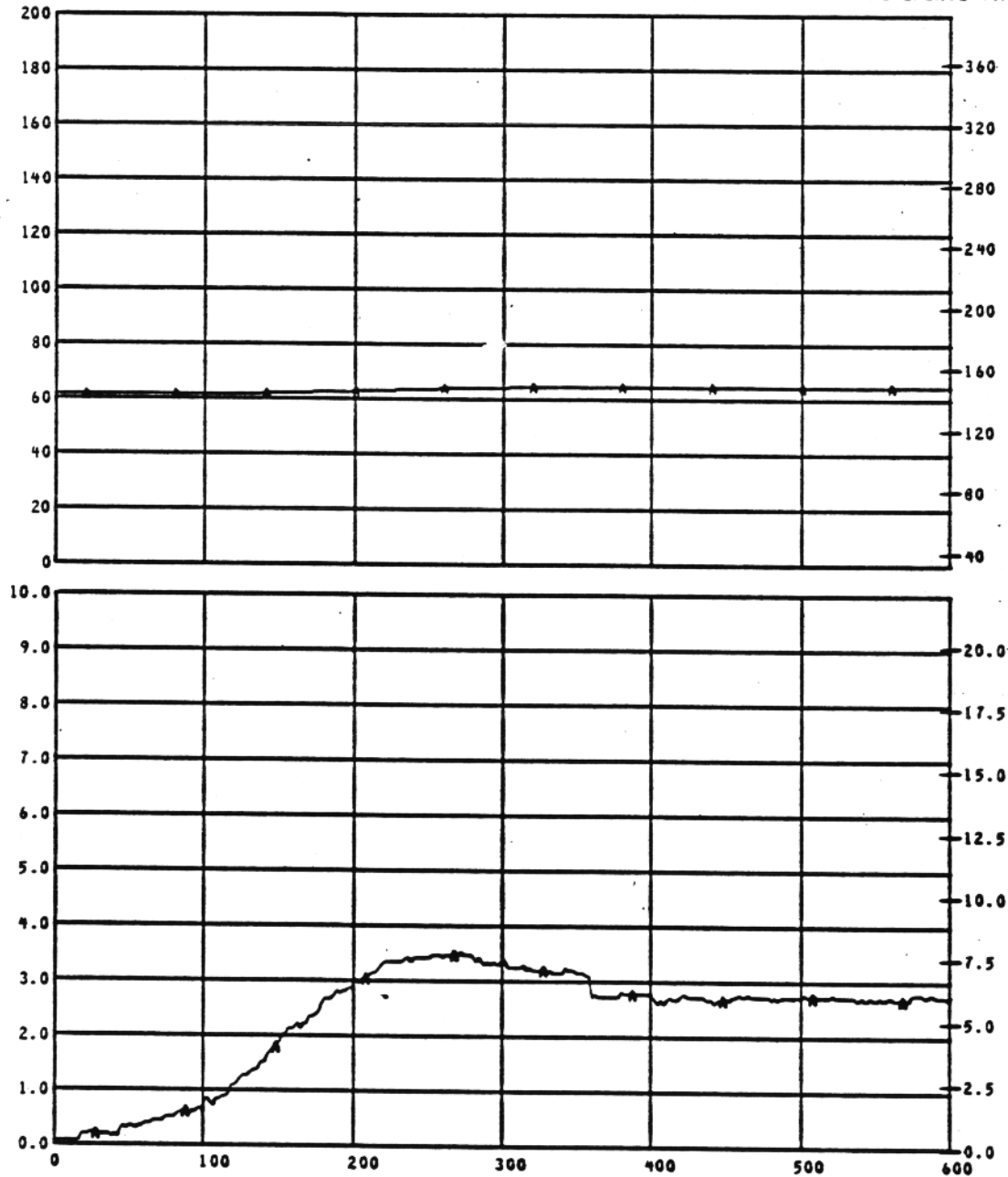
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

TEST ID NAS1B

SEAT TST-OCT 1980 PLOT NO 20 - 1'

REFERENCE TIME 09 51 40.000



MEAS. NUMBER
 3 TLC
 3 WL

CHANNEL ASGN.
 125
 149

TITLE
 TEMP-LOAD CELL
 WEIGHT LOSS

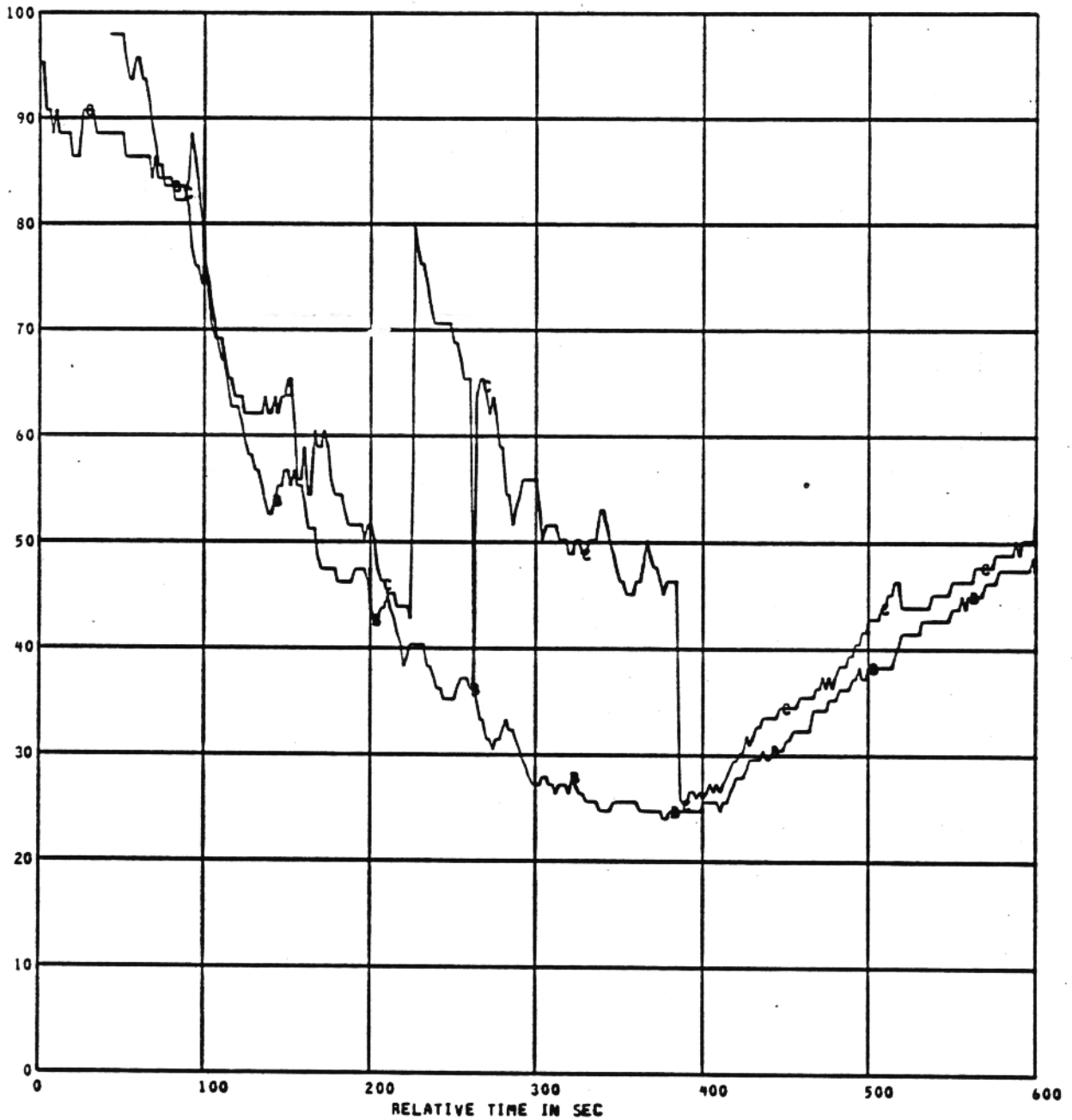
RANGE
 0 TO 200
 0.0 TO 10.0

UNITS GRID-SYM
 DEG C AA
 KG BA

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 14 08 03.000

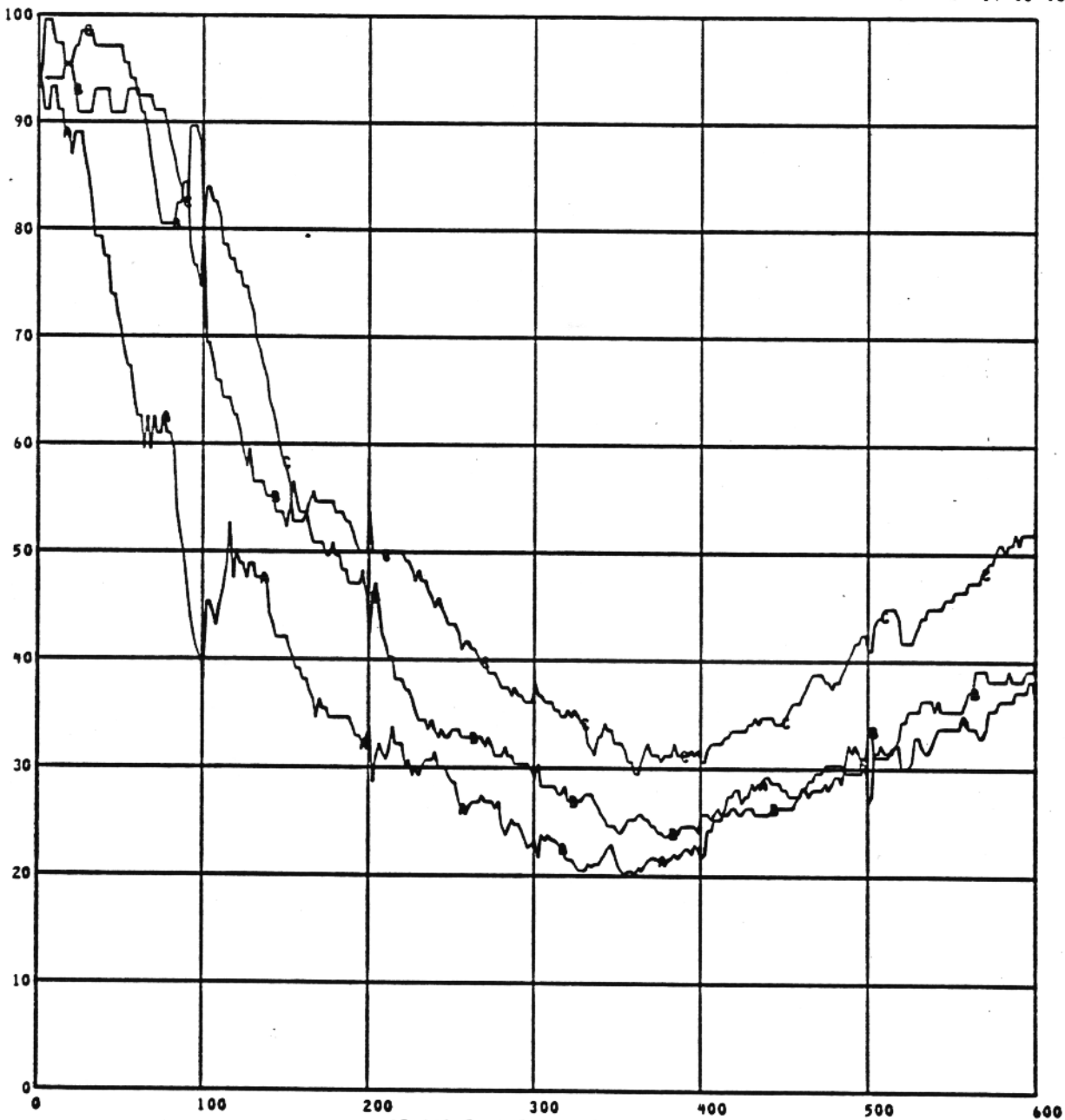


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 14 08 03.000

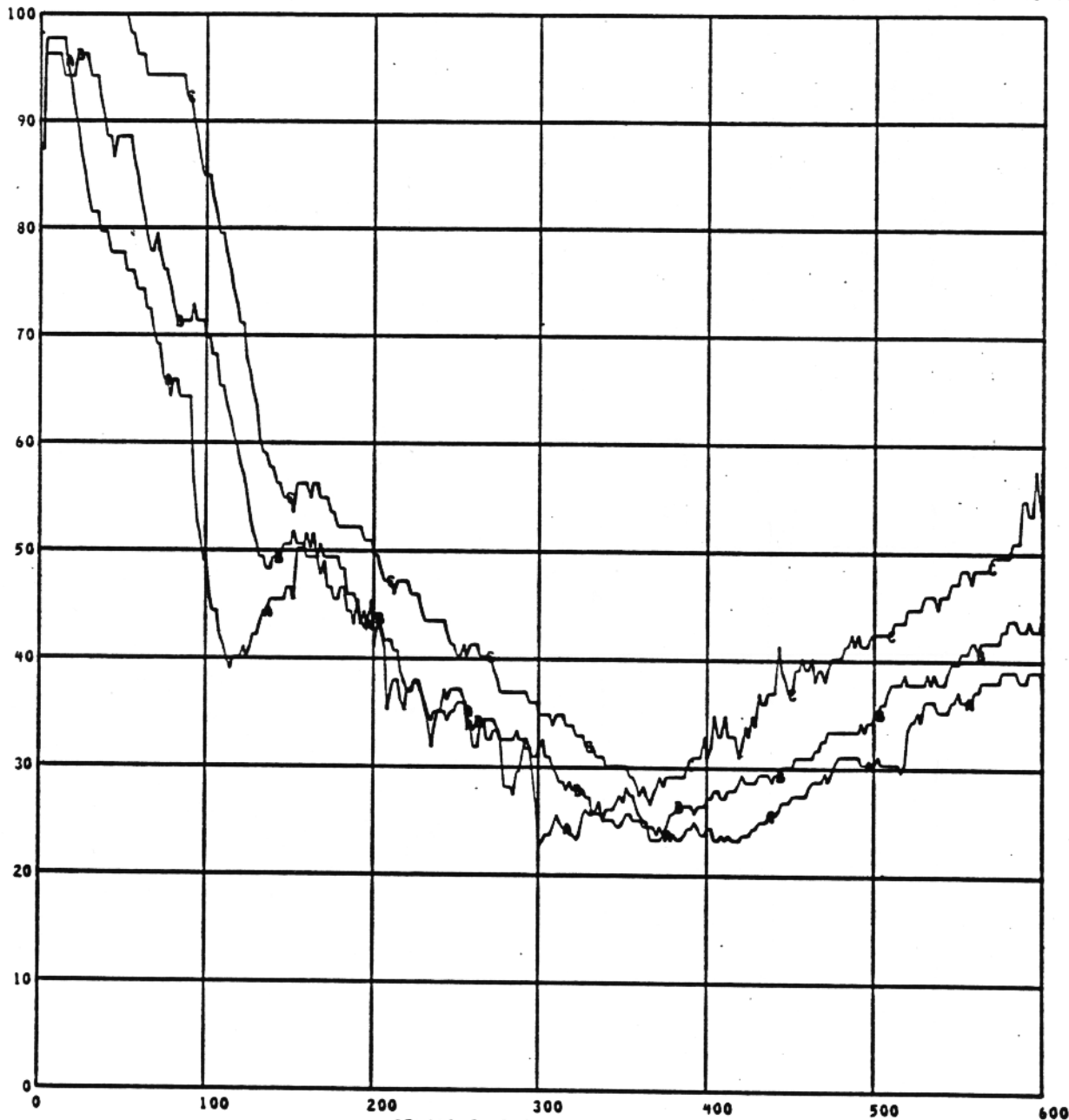


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 14 08 03.000

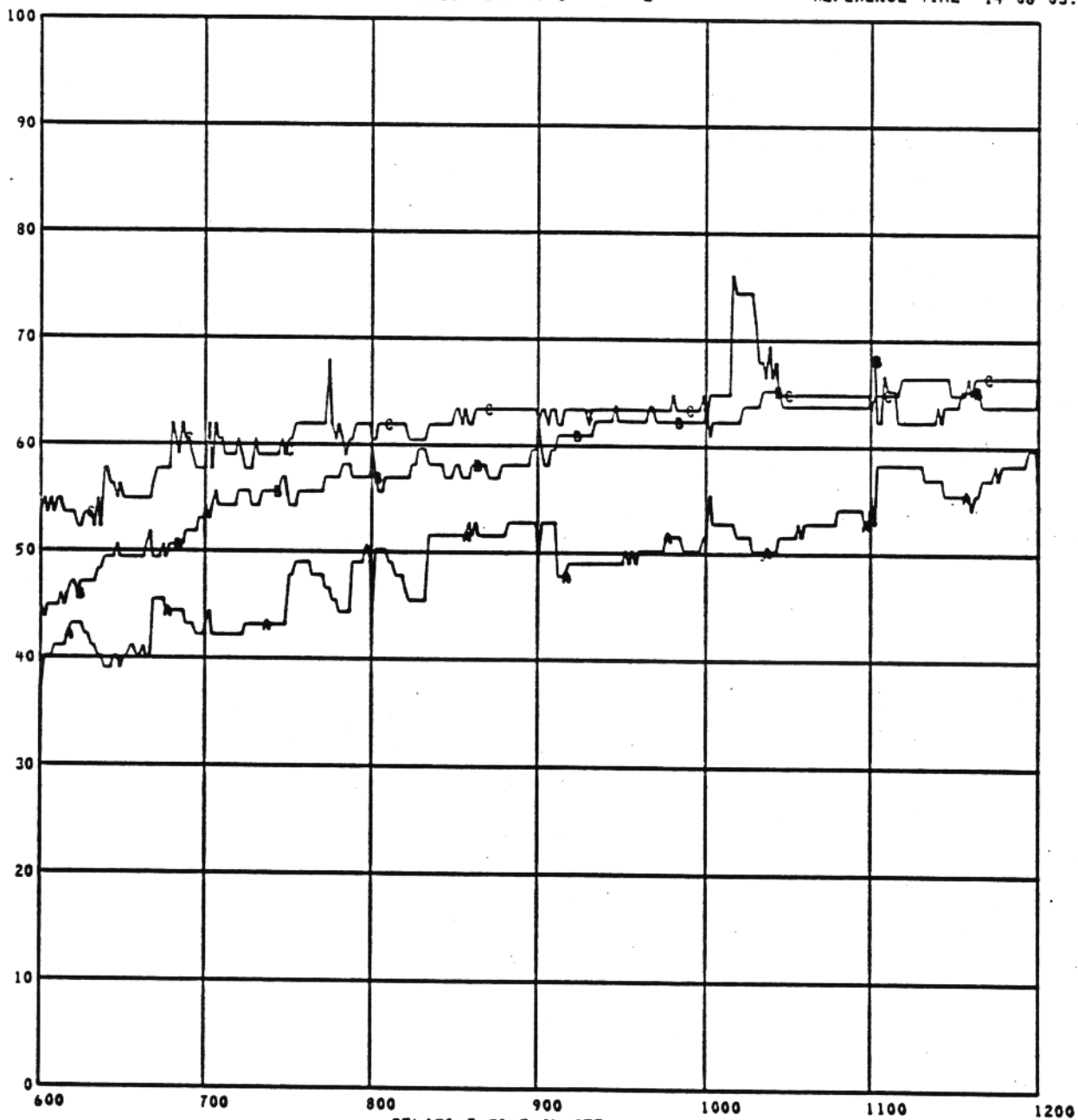


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 3 - 2

REFERENCE TIME 14 08 03.000

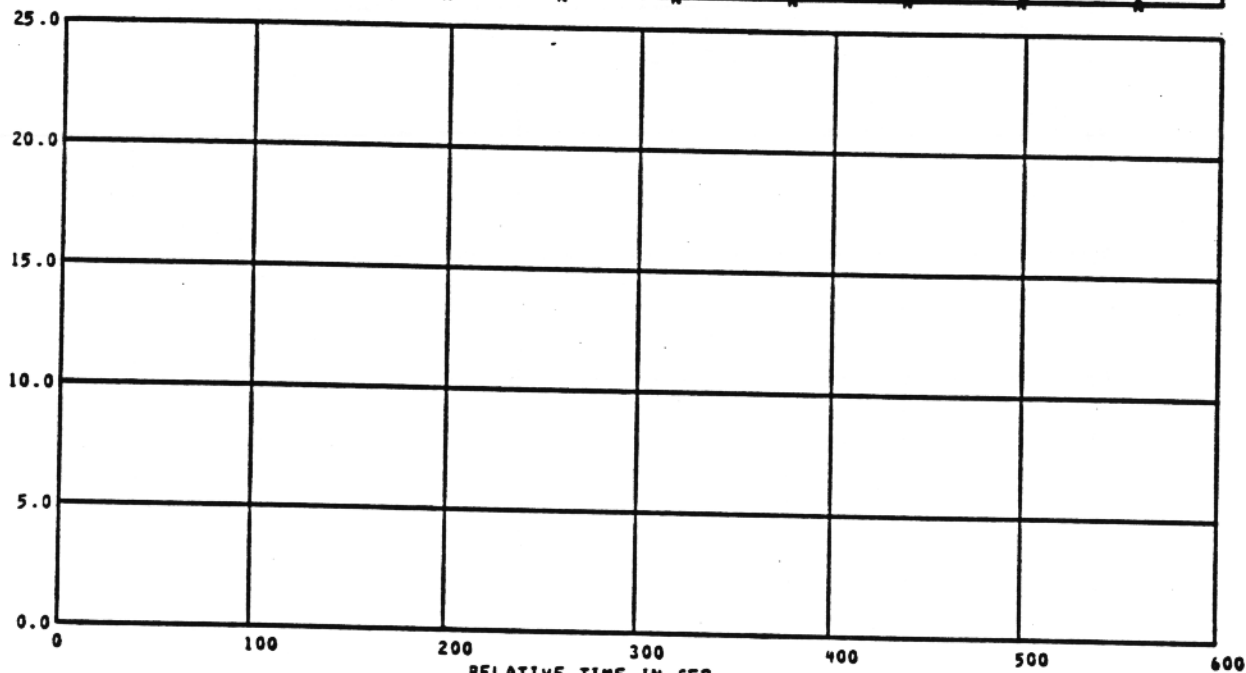
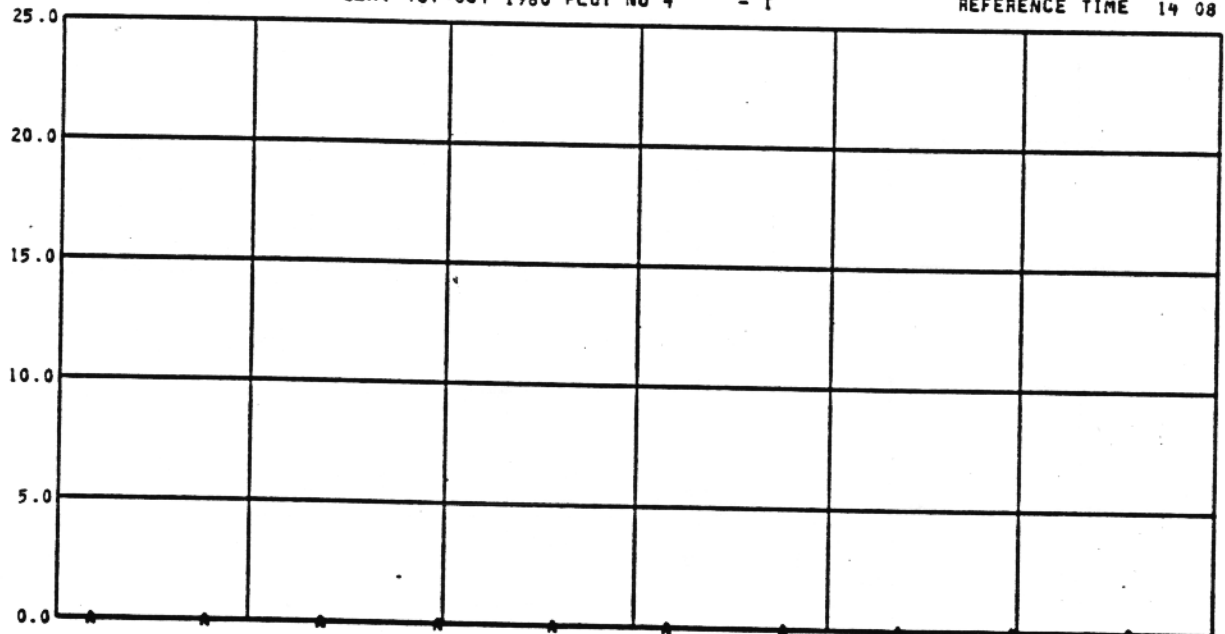


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

RELATIVE TIME IN SEC
TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

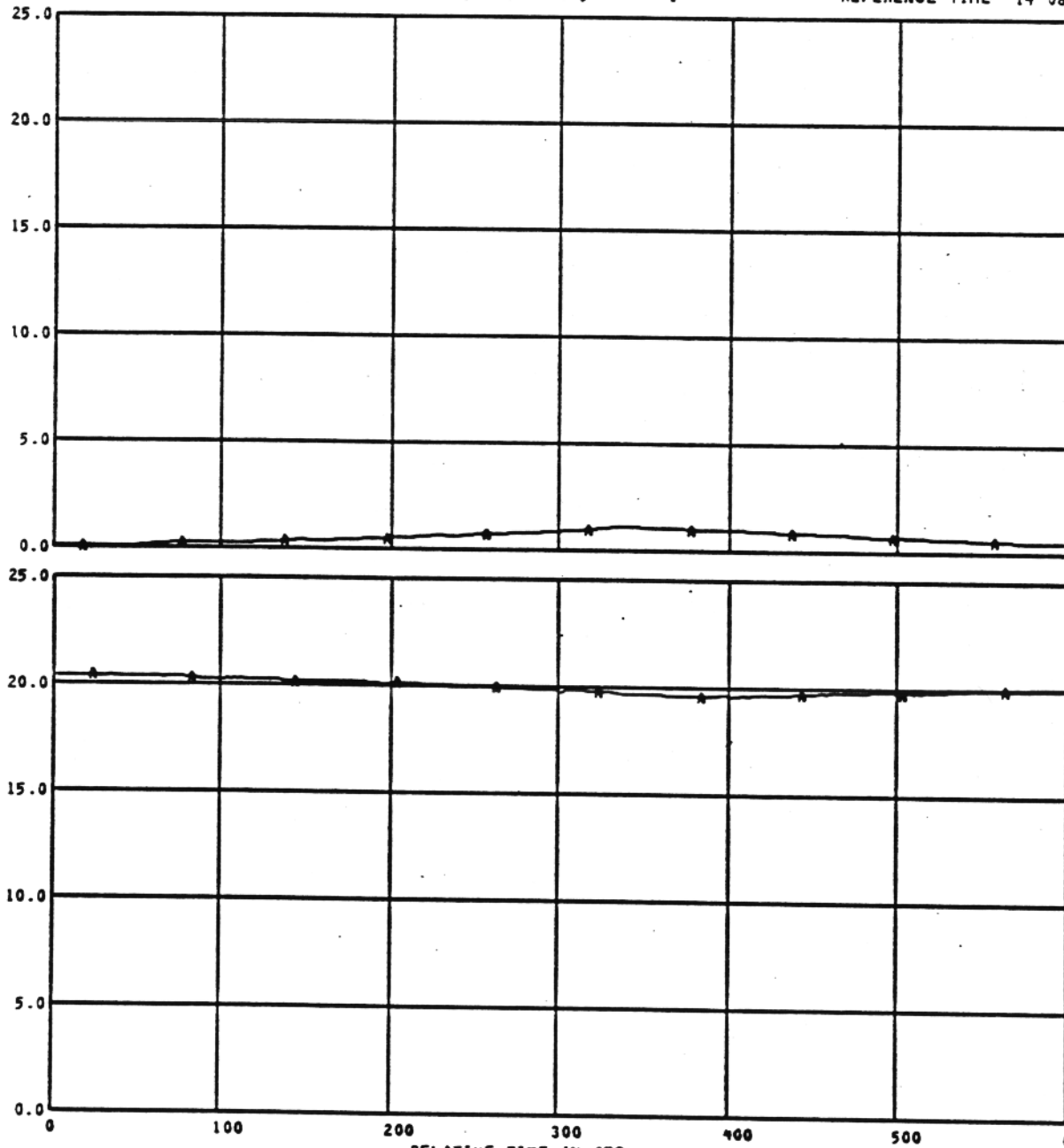
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER
CO2E
O2E

CHANNEL ASGN.
090
099

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

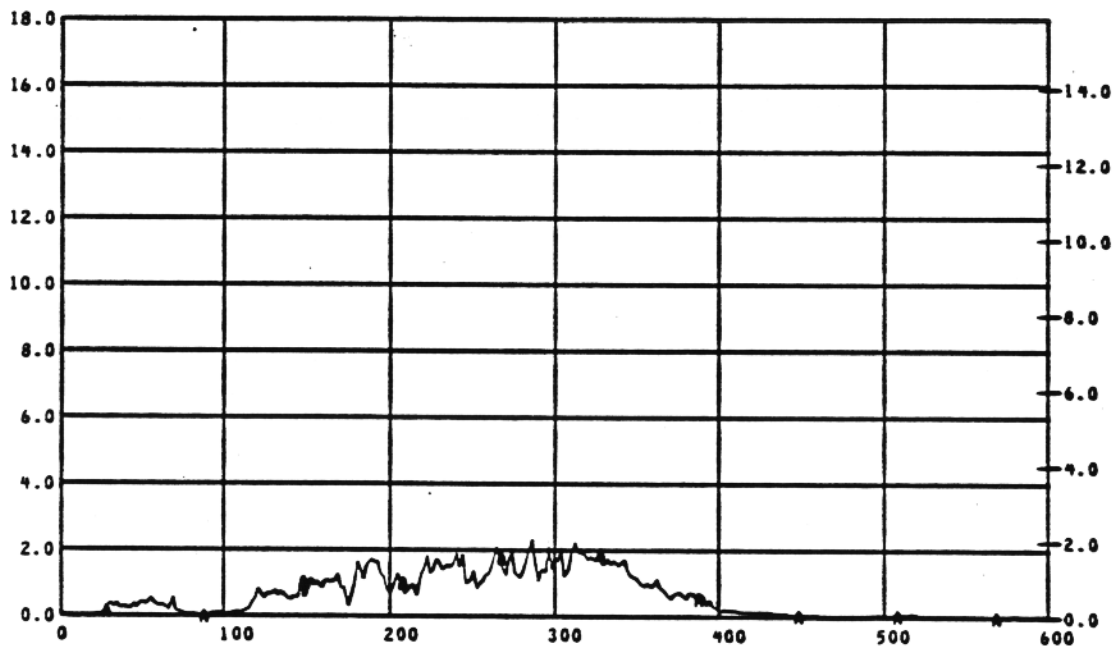
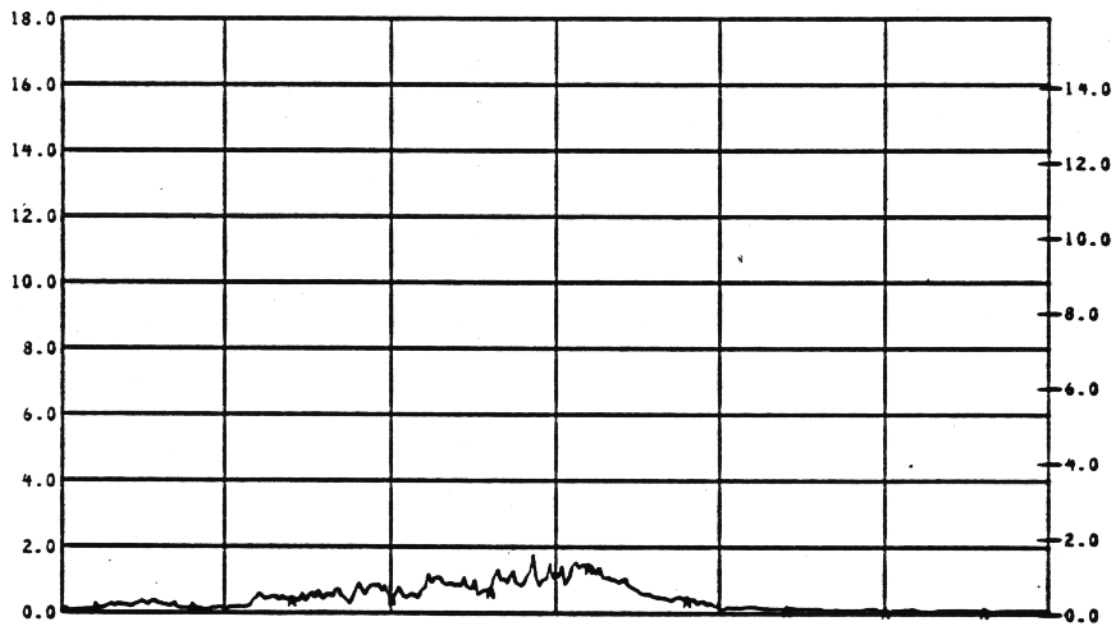
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 14 08 03.000

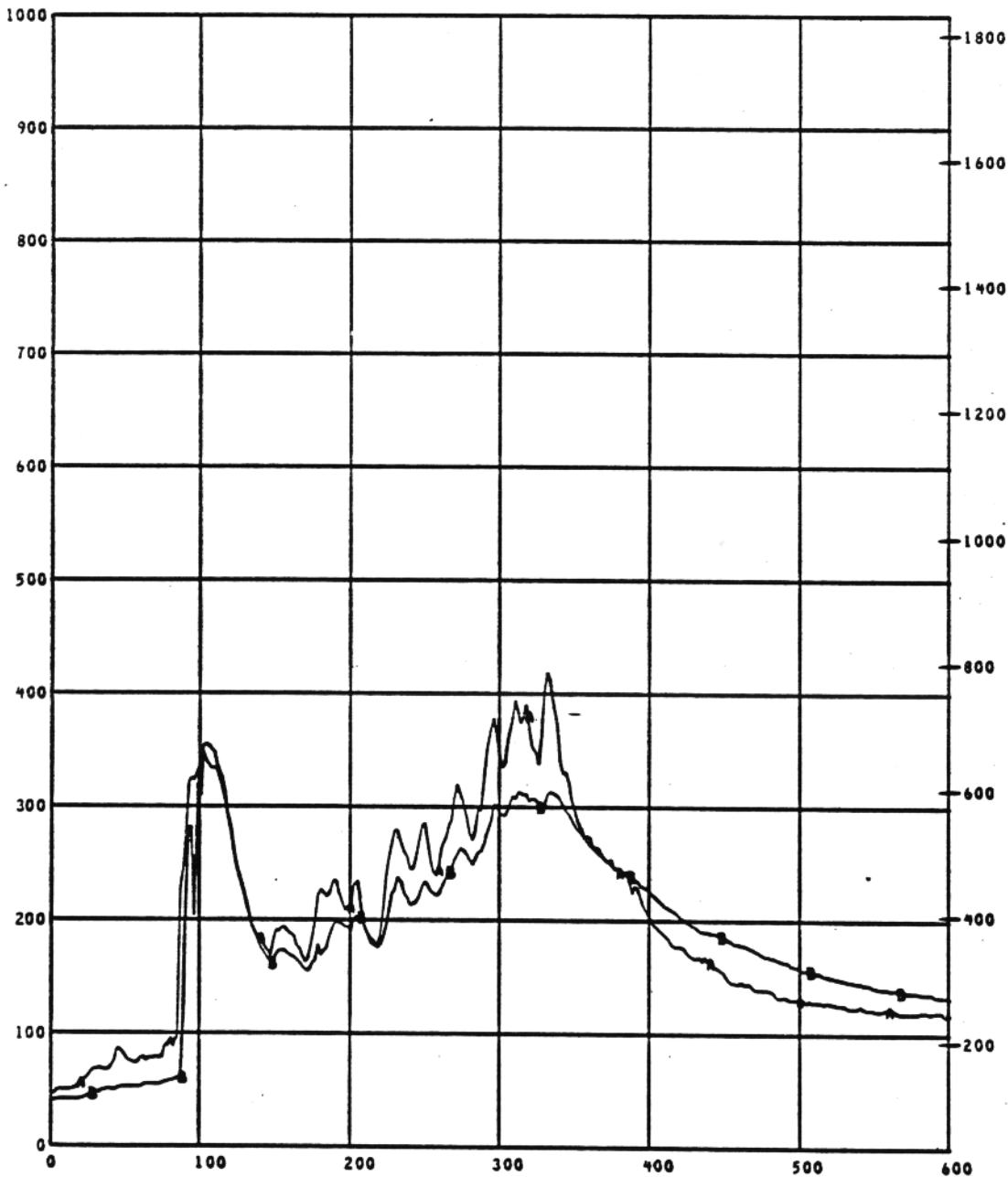


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
\$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
\$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER
 * TSL1
 * TSL2

CHANNEL ASGN.
 101
 102

TITLE
 TEMP-SEAT LEFT FRONT
 TEMP-SEAT LEFT MIDDLE

RANGE
 0 TO 1000
 0 TO 1000

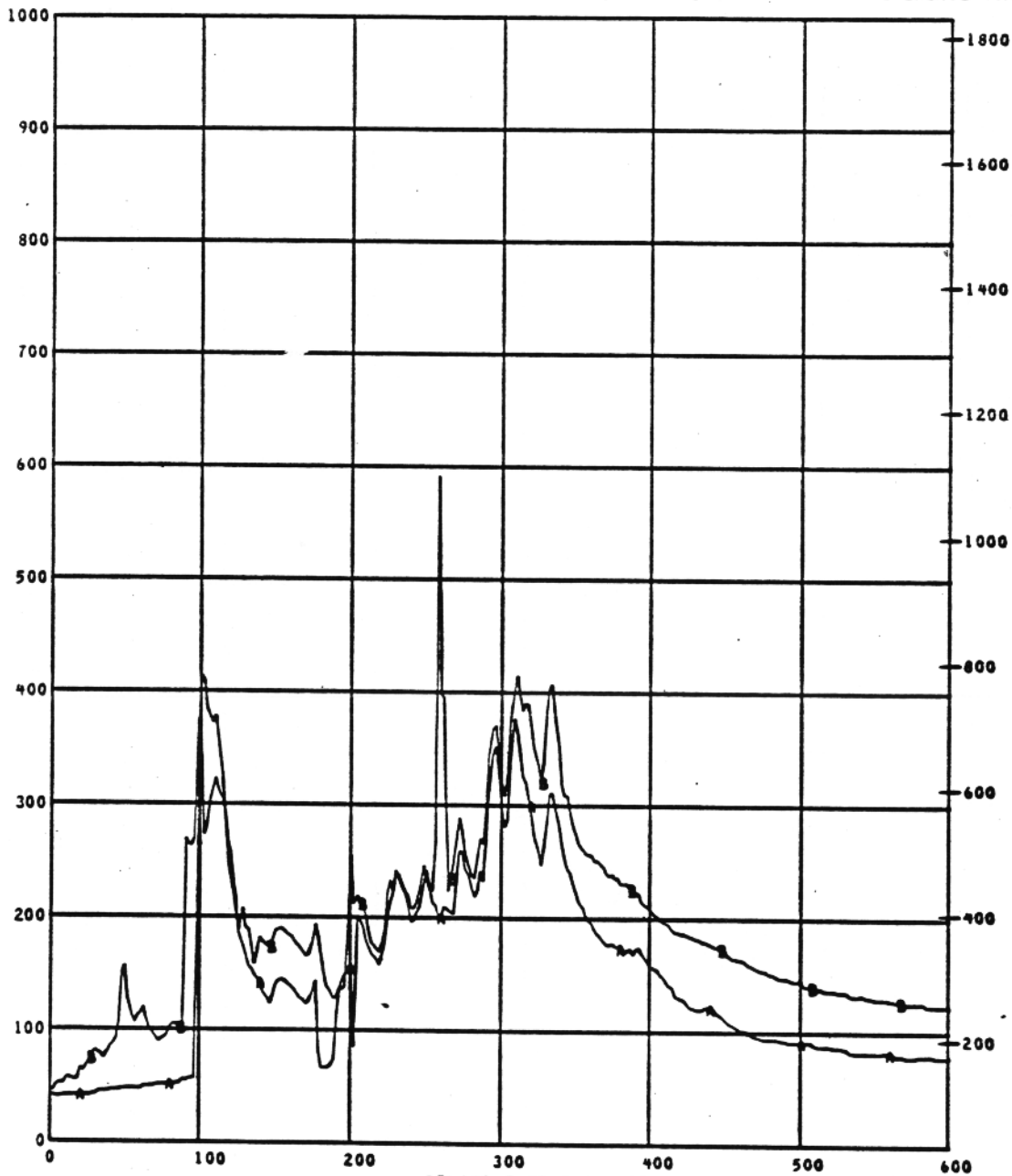
UNITS GRID-SYM
 DEG C AA
 DEG C AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 8

- 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

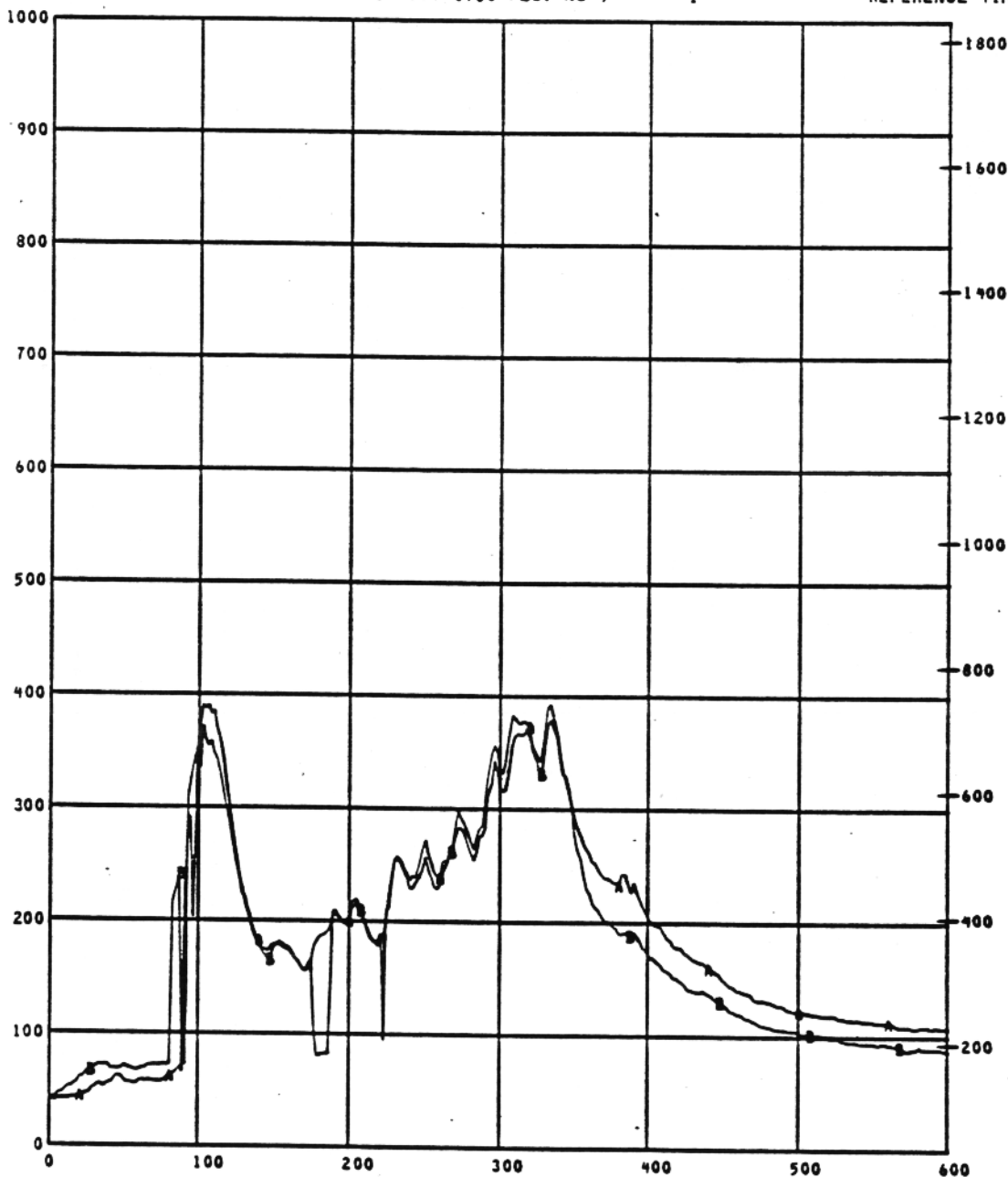
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 14 08 03.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
* TSC2	105
* TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

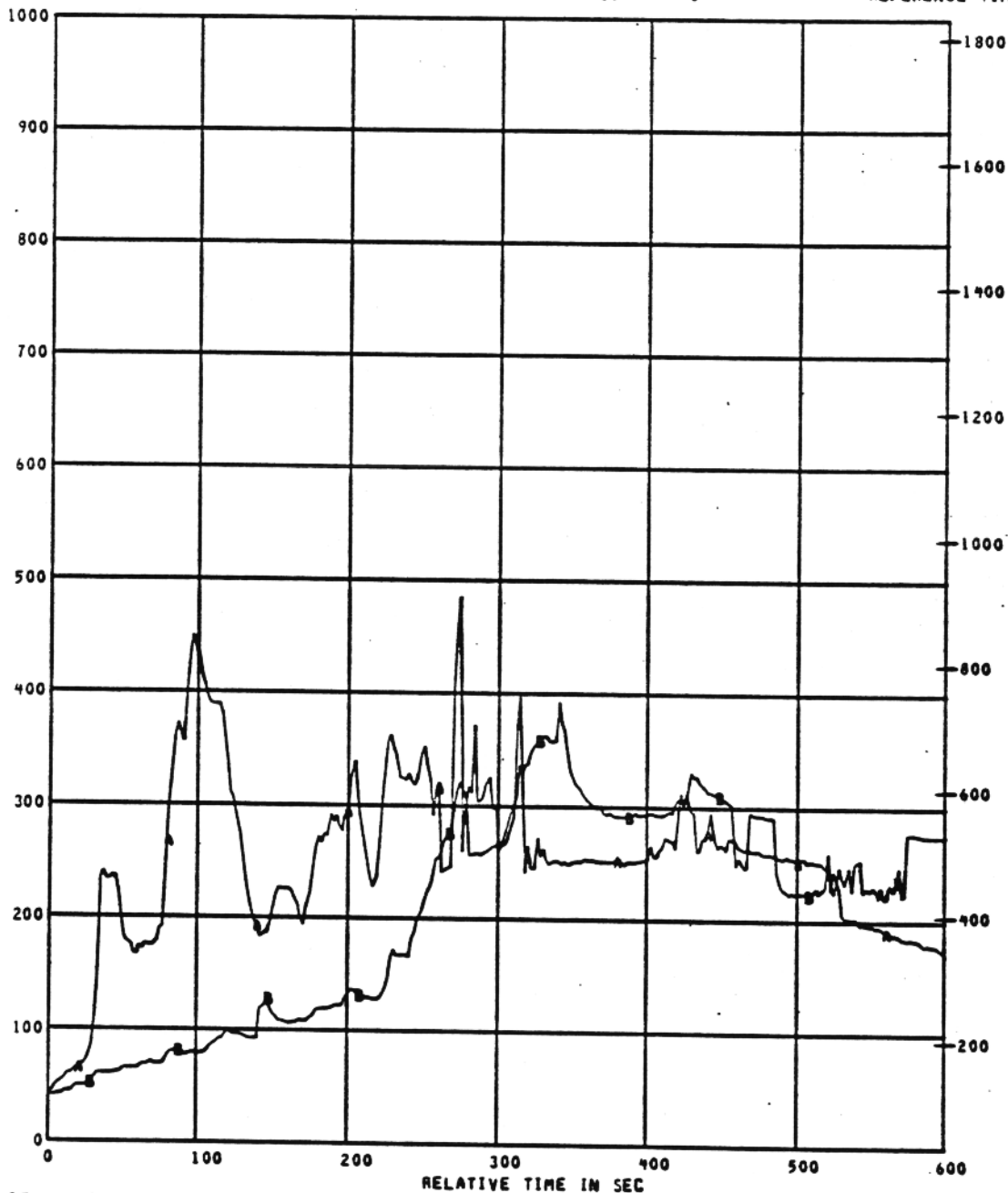
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 14 08 03.000

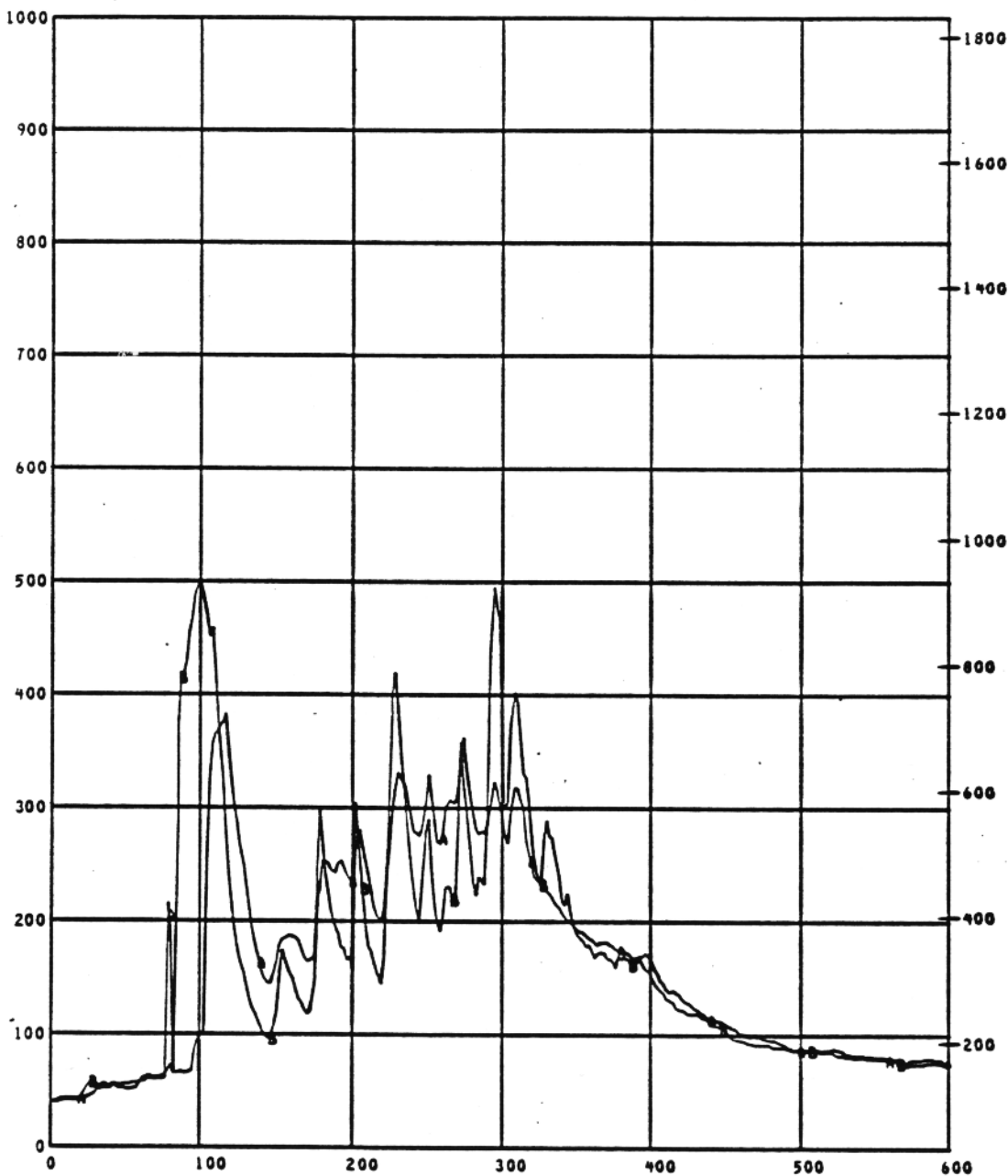


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
\$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER
\$ TSR3
\$ TBL1

CHANNEL ASGN.
109
110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

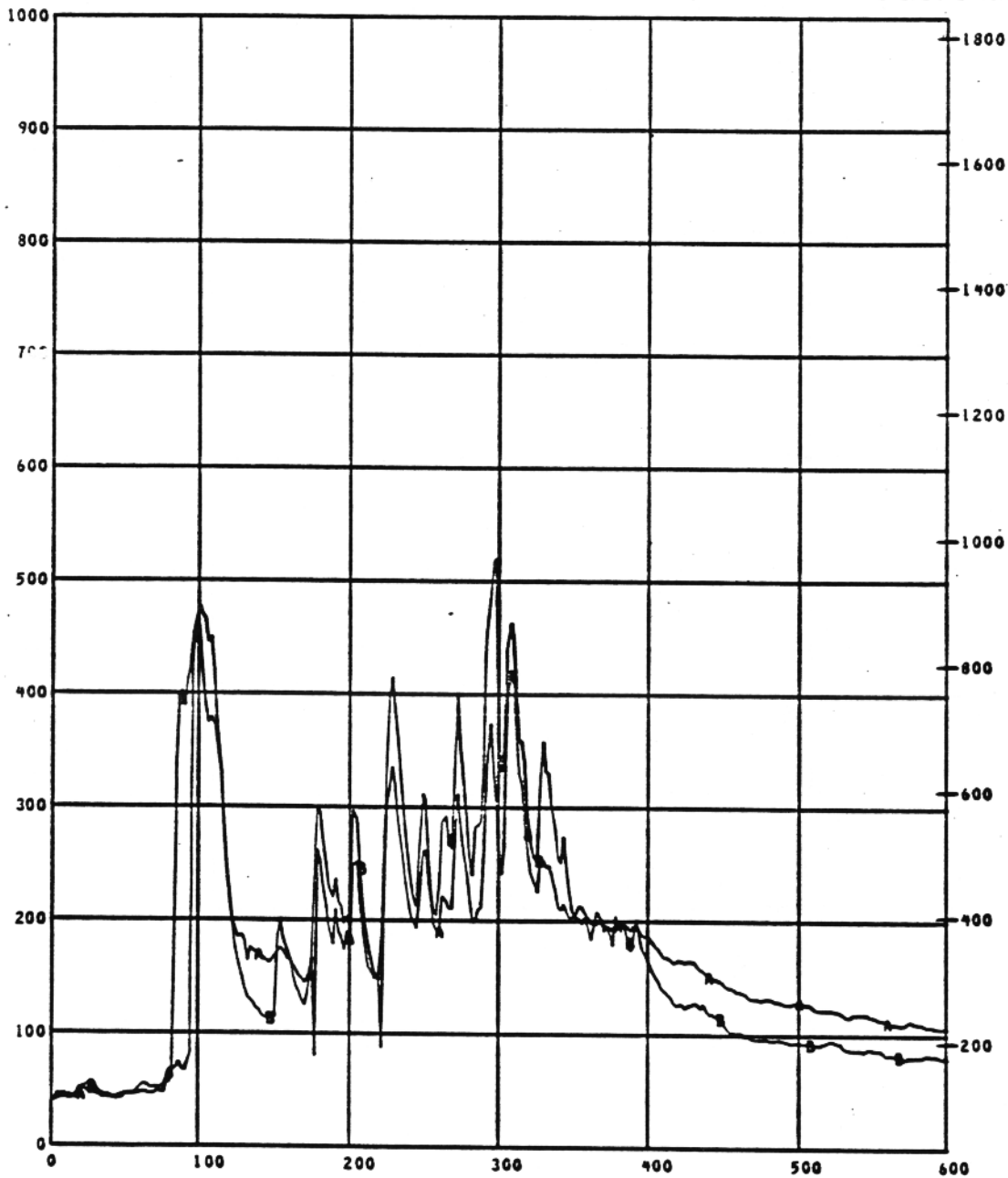
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 14 08 03.000

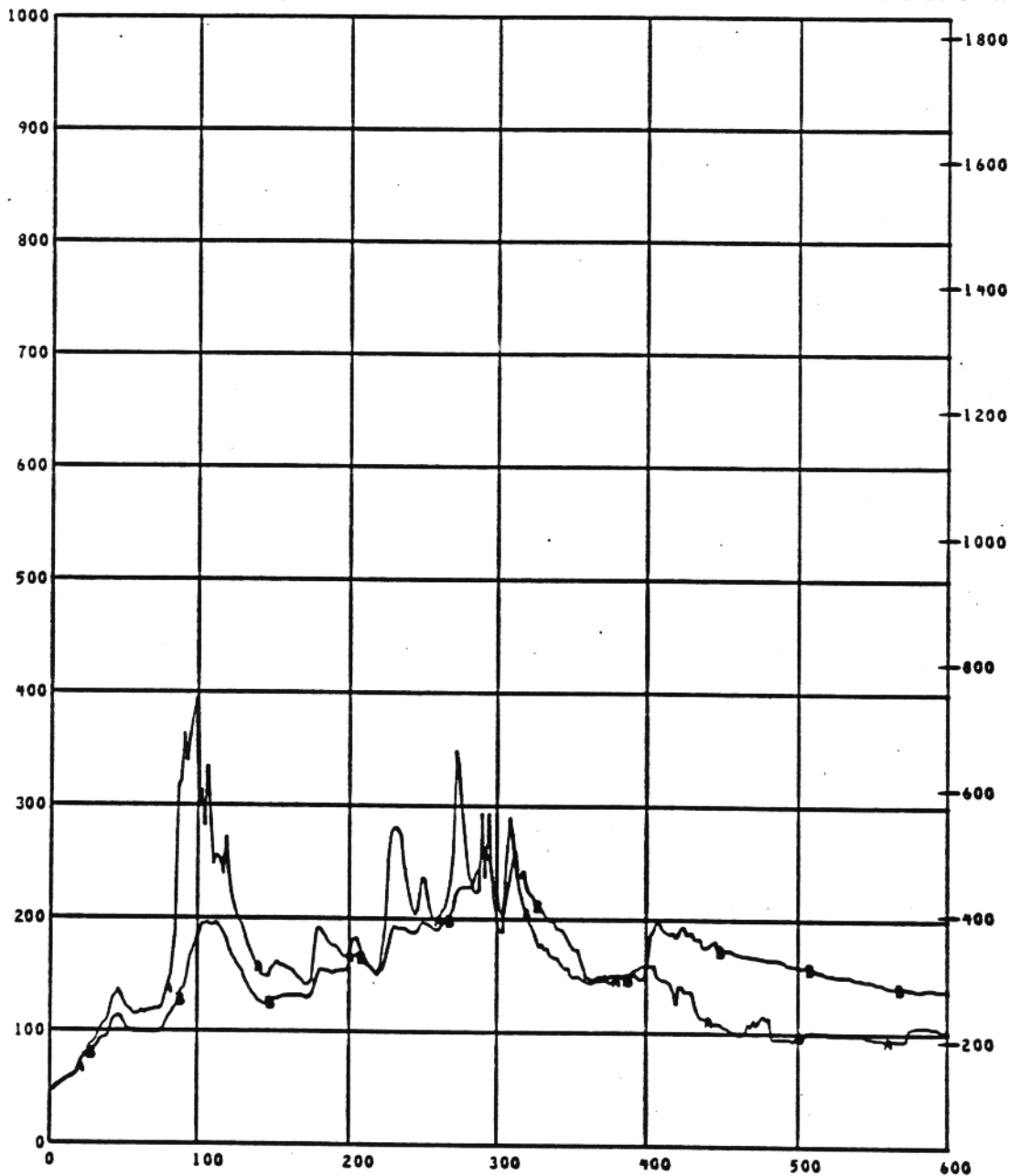


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
* TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS2B

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 14 08 03.000



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

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

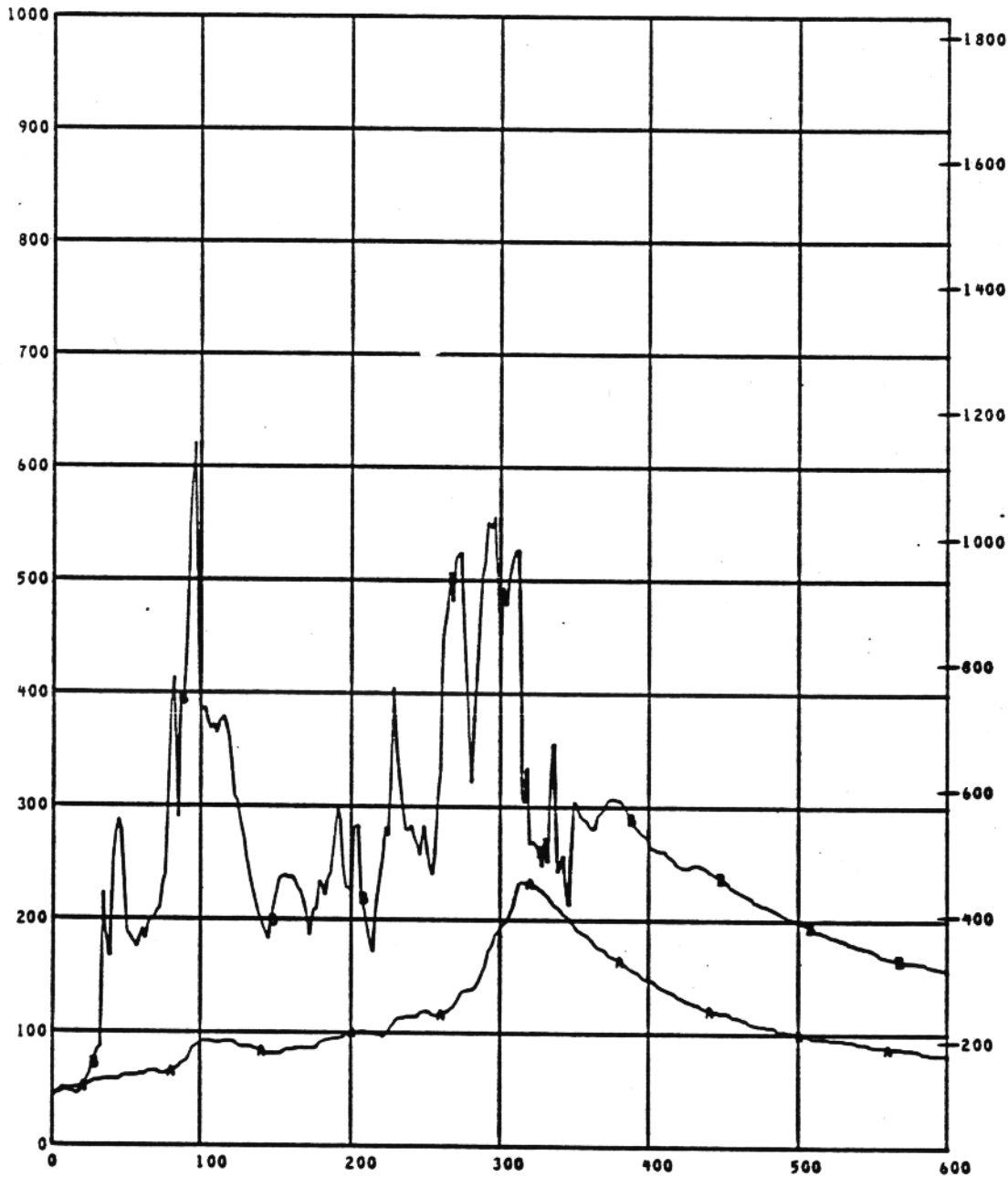
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

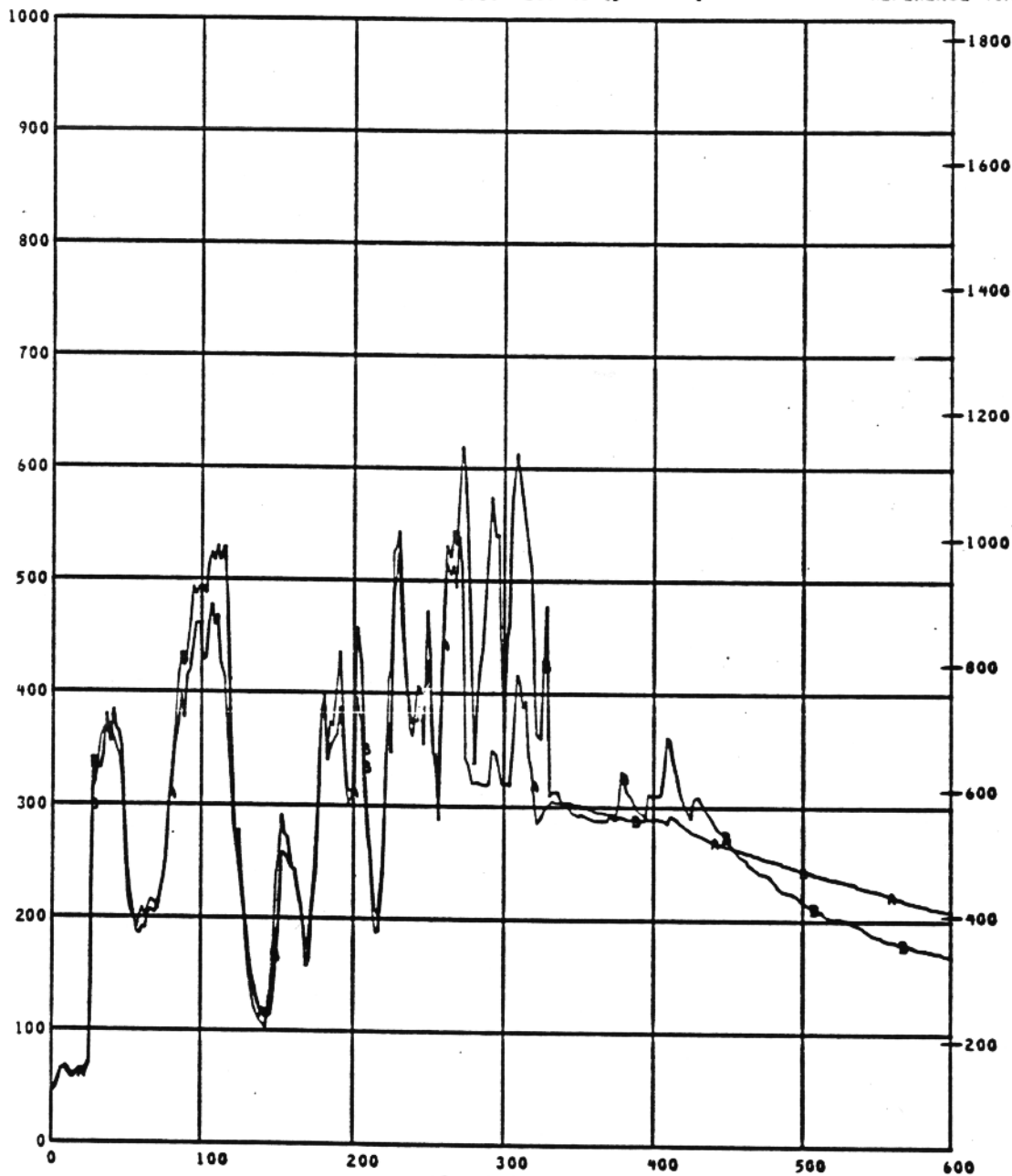
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 14 08 03.000



D
E
G
F

MEAS. NUMBER CHANNEL ASGN.
 \$ TBR2 117
 \$ TBR3 118

TITLE
 TEMP-BACK RIGHT MIDDLE
 TEMP-BACK RIGHT TOP

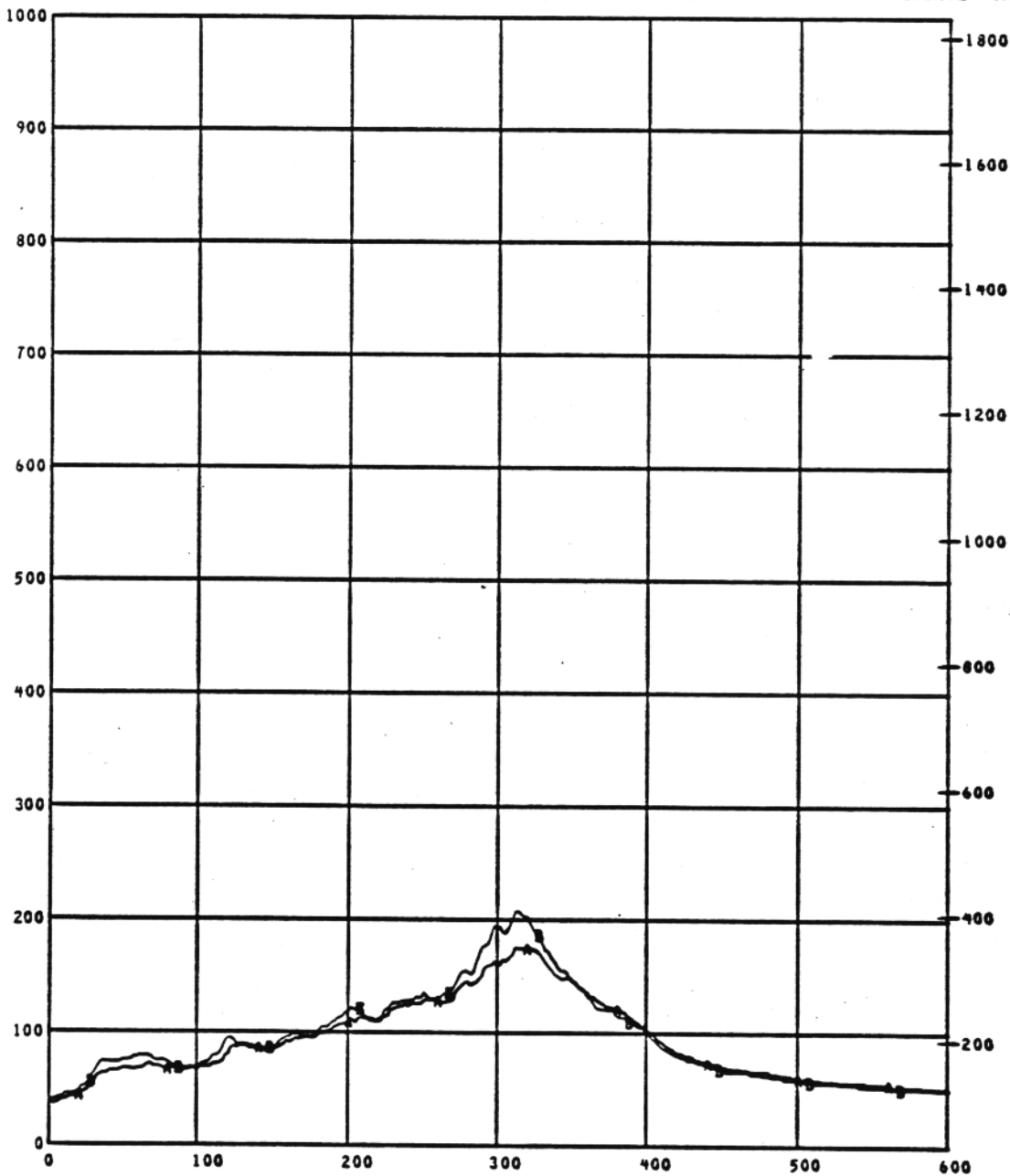
RANGE
 0 TO 1000
 0 TO 1000

UNITS GRID-SYM
 DEG C AA
 DEG C AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 14 08 03.000

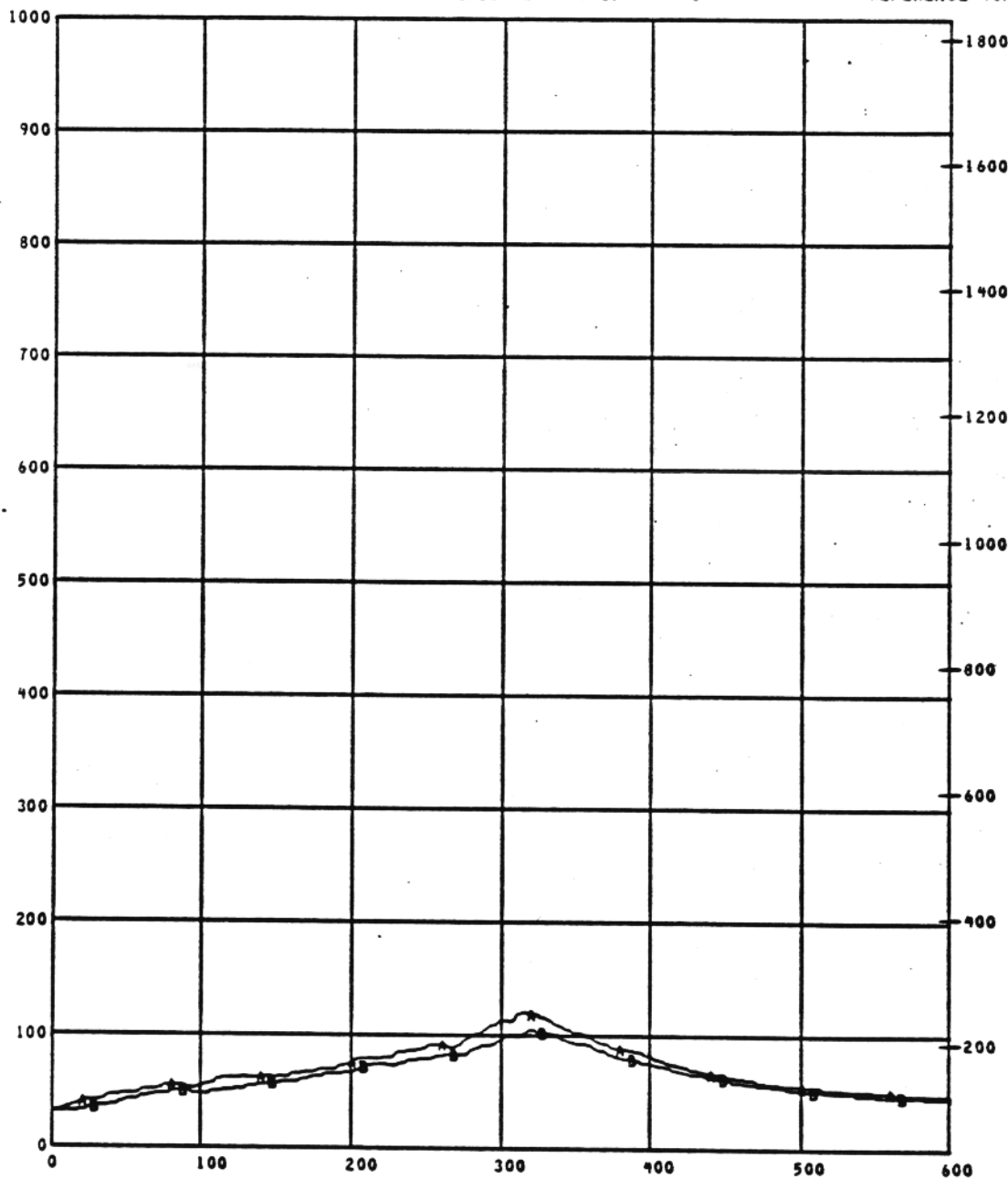


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
\$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

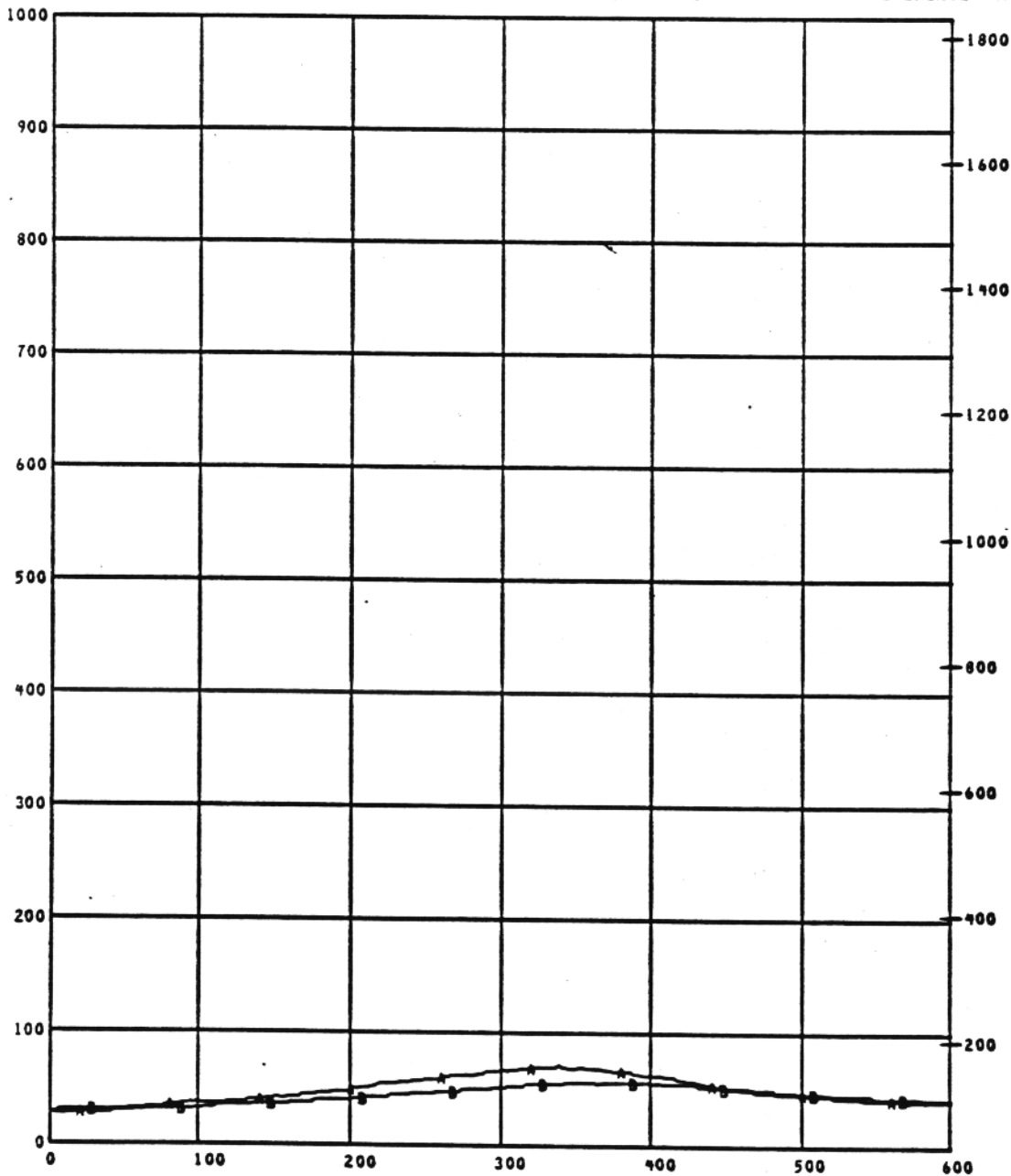
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER
\$ TRC
\$ TAO

CHANNEL ASGN.
123
124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

RELATIVE TIME IN SEC

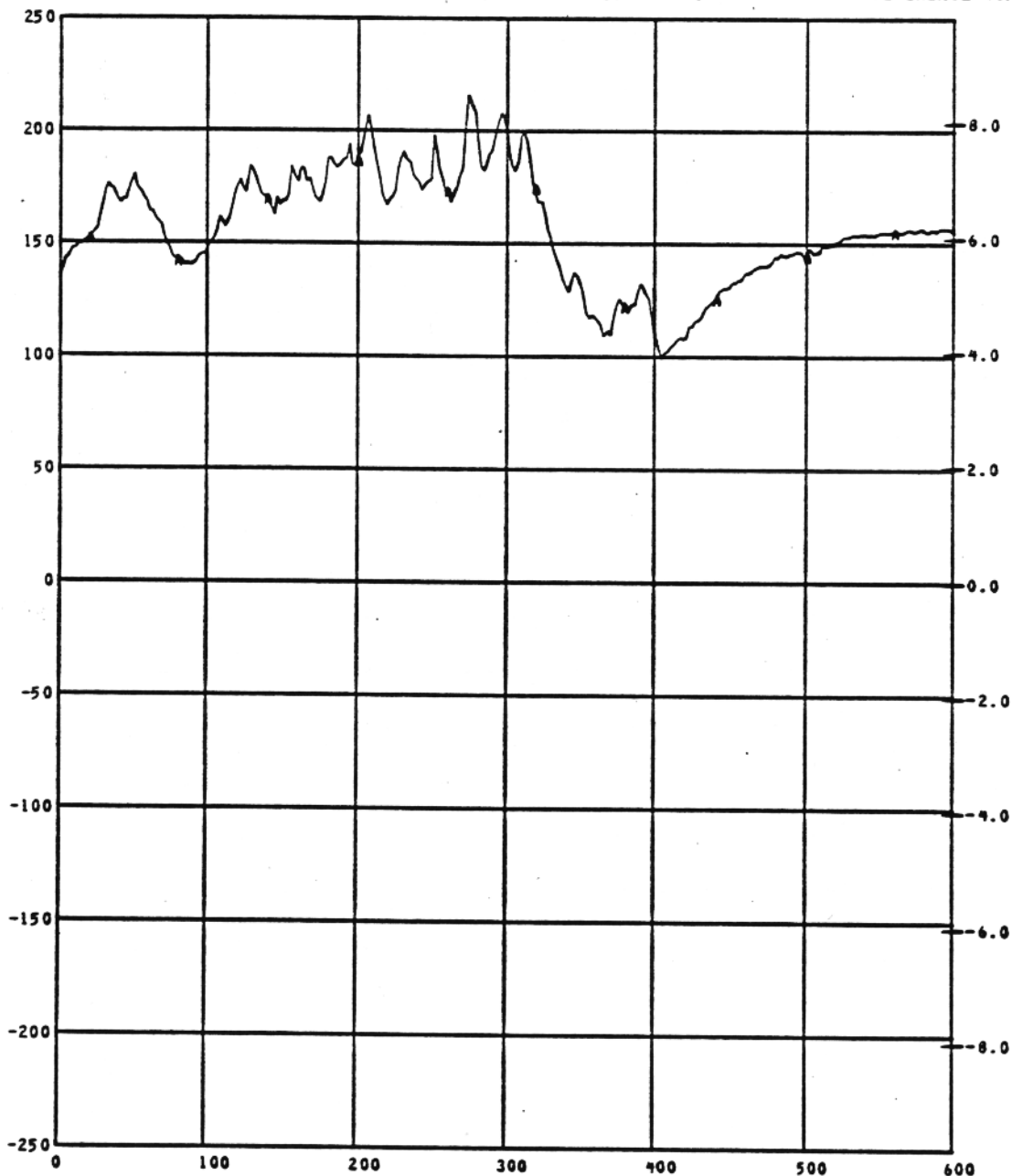
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 14 08 03.000



MEAS. NUMBER
\$ DPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

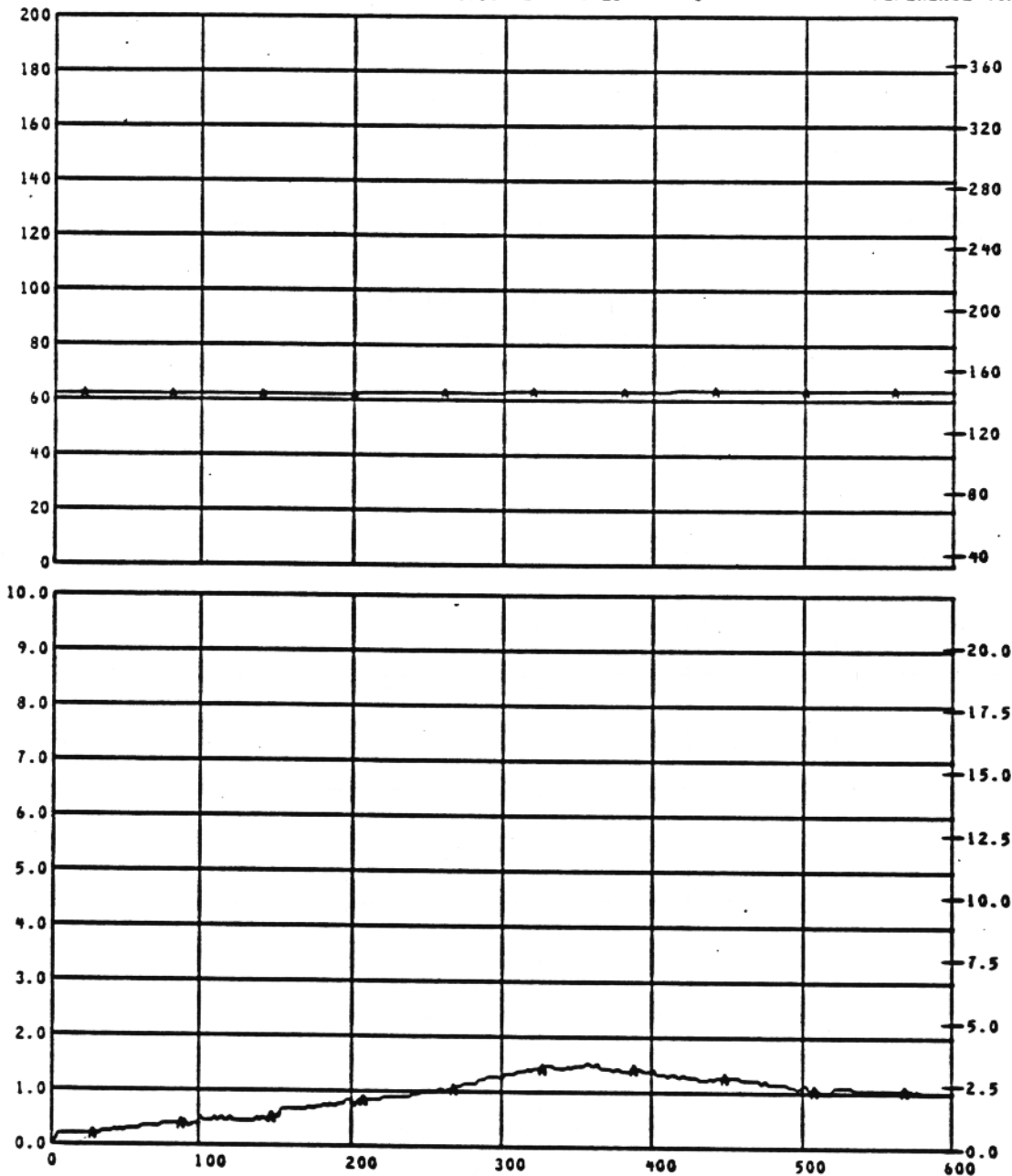
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

TEST ID NAS28

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 14 08 03.000



D
E
G
F

L
B
S

MEAS. NUMBER
s TLC
s WL

CHANNEL ASGN.
125
149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

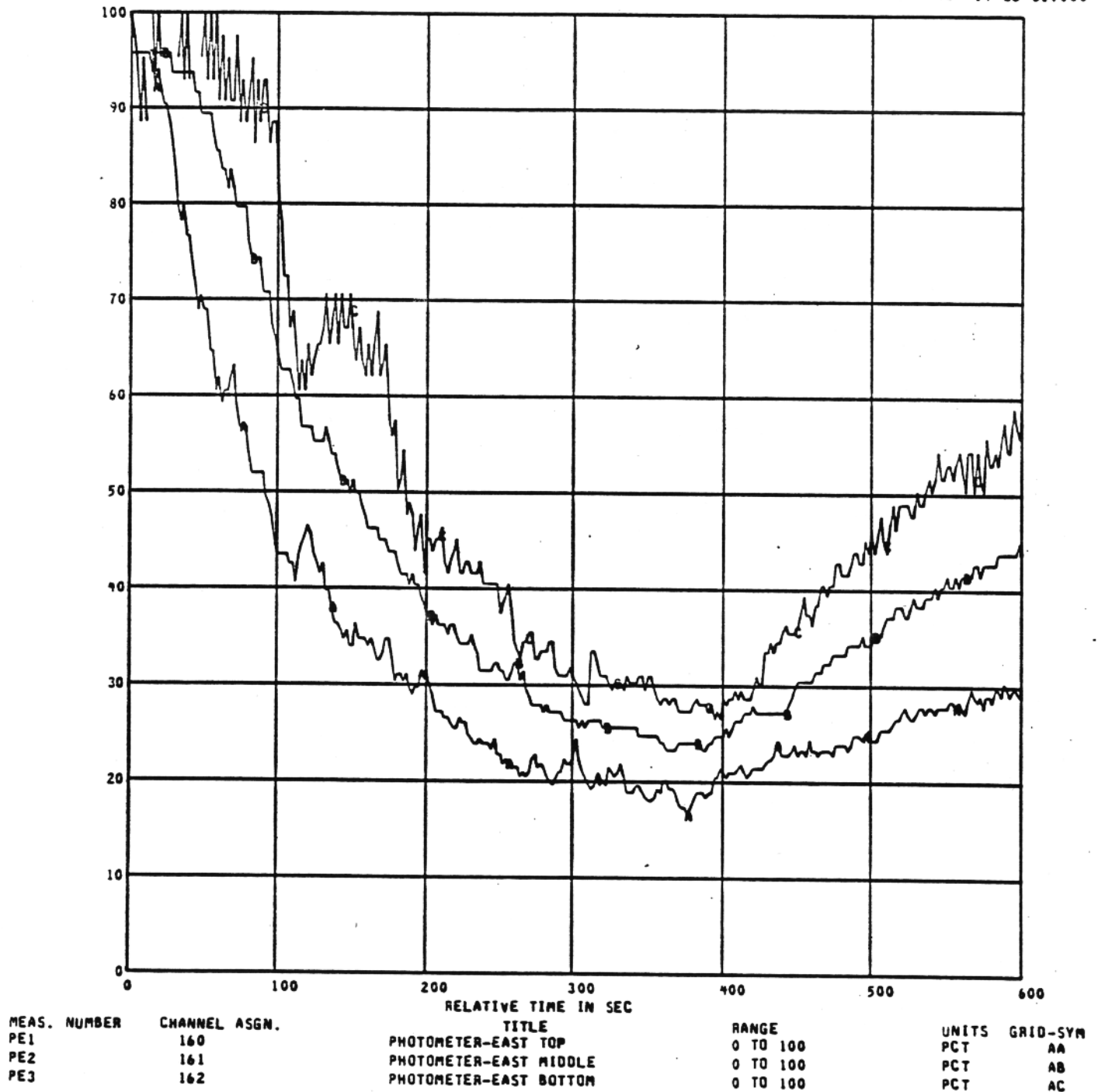
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NAS38

SEAT TST-OCT 1980 PLQT NO 1 - 1

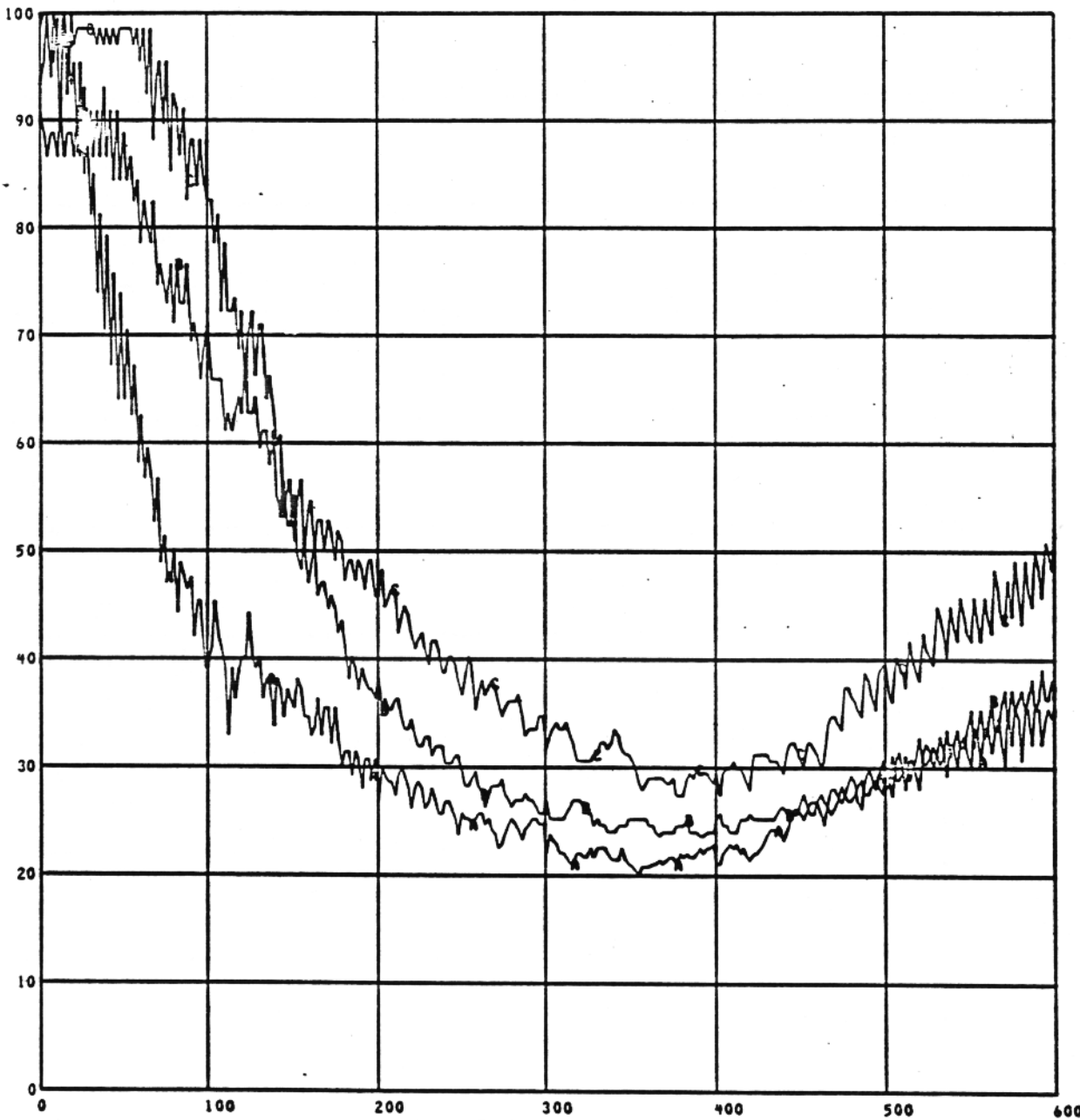
REFERENCE TIME 14 23 31.000



TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 14 23 31.000

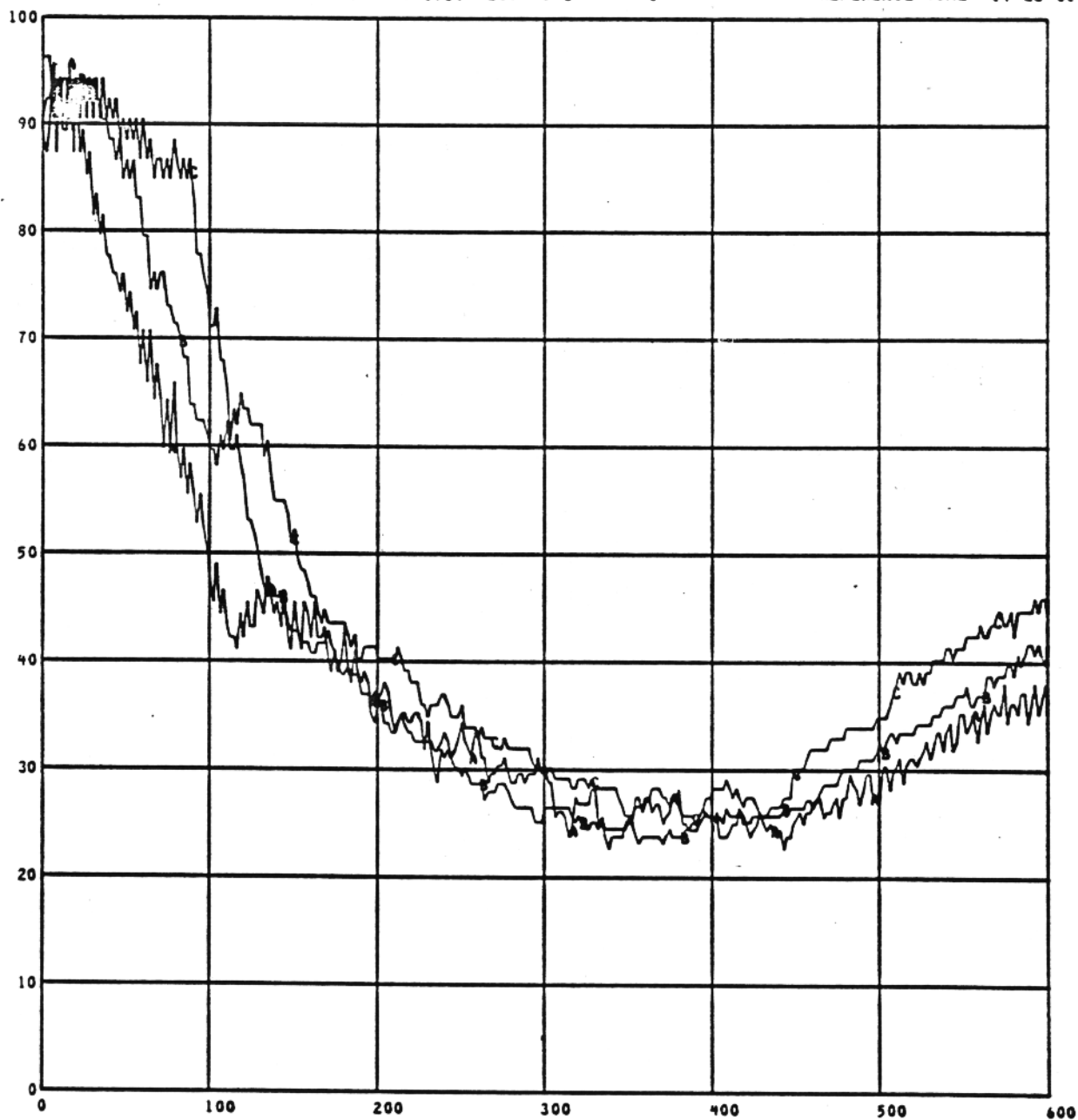


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 14 23 31.000

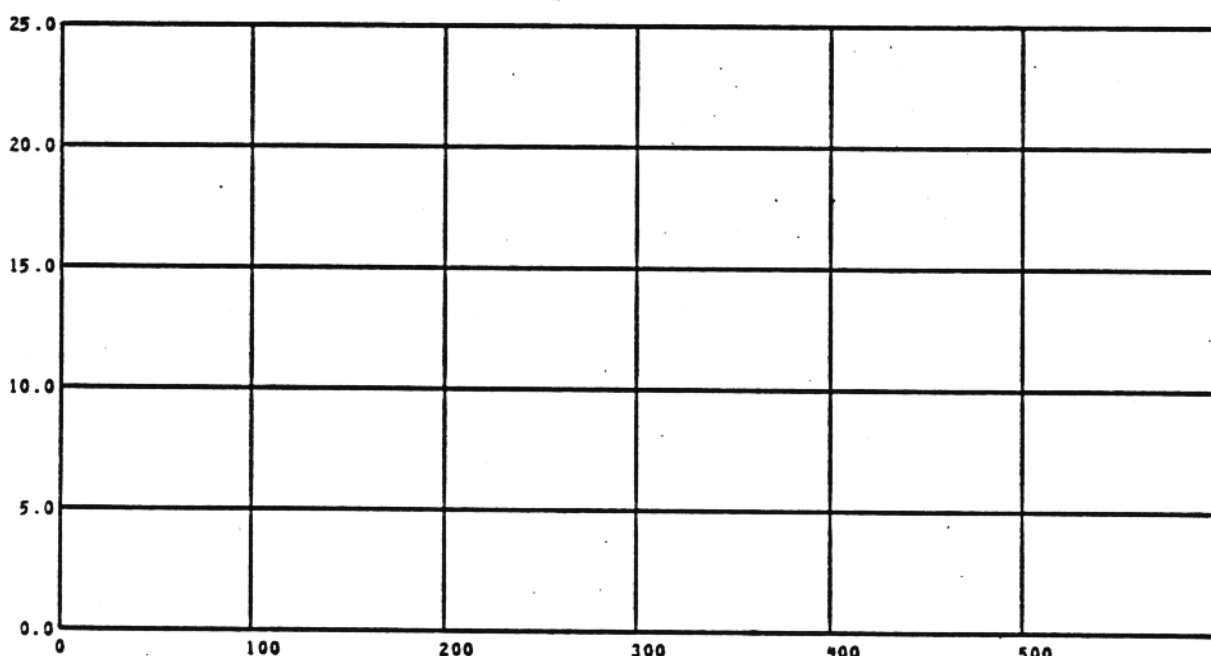
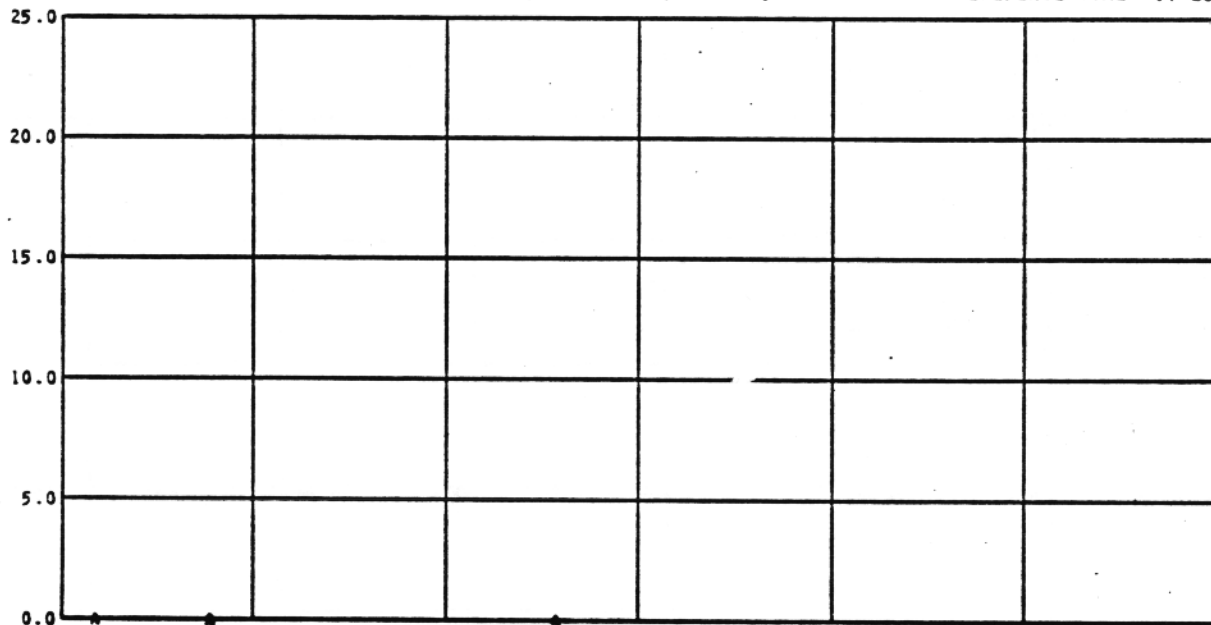


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER
CHIE
COE

CHANNEL ASGN.
085
089

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

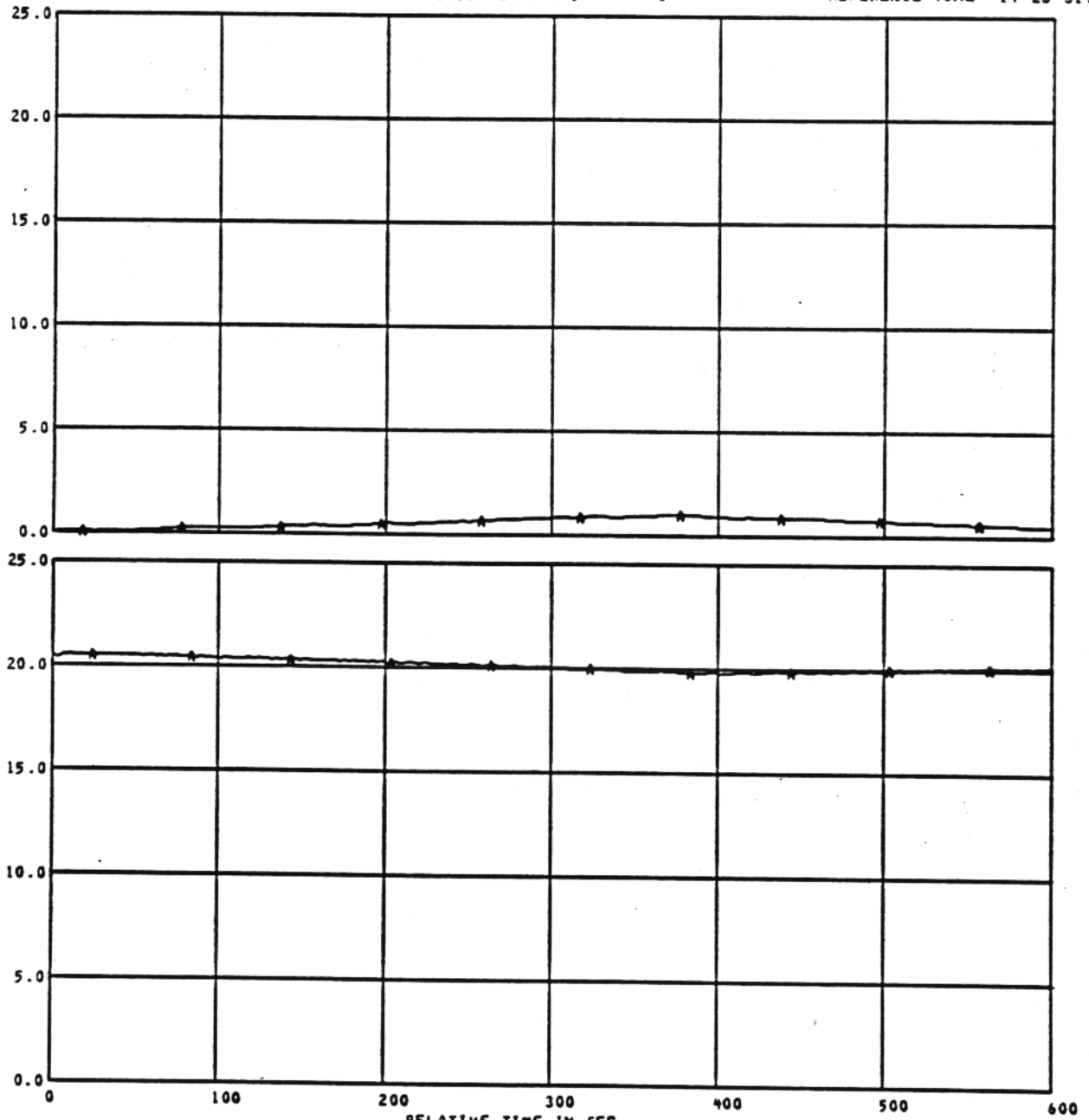
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 14 23 31.000

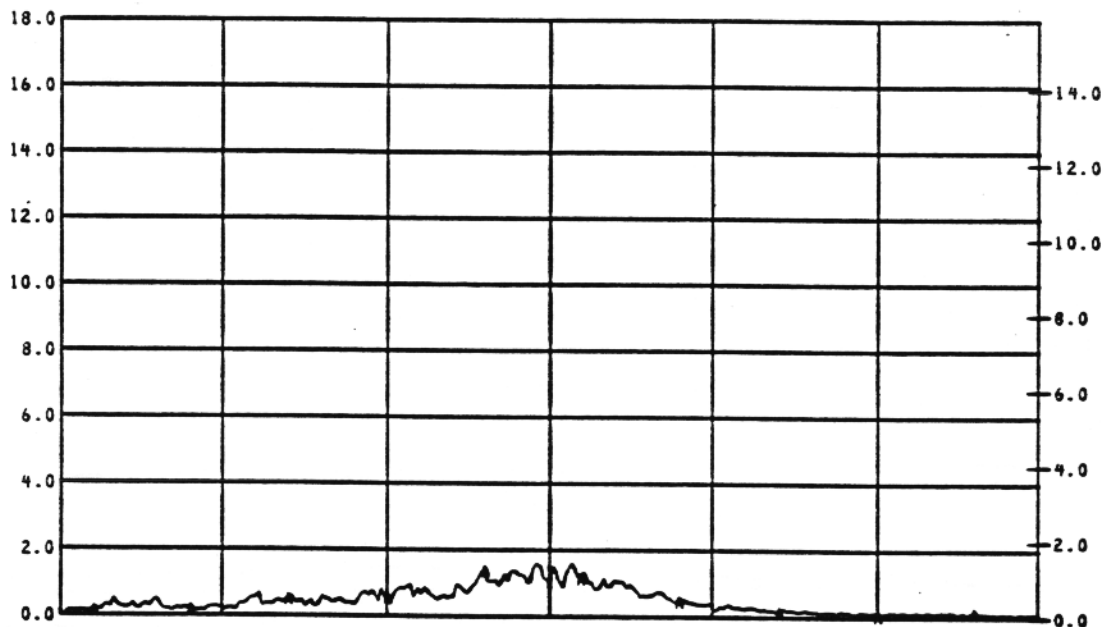


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

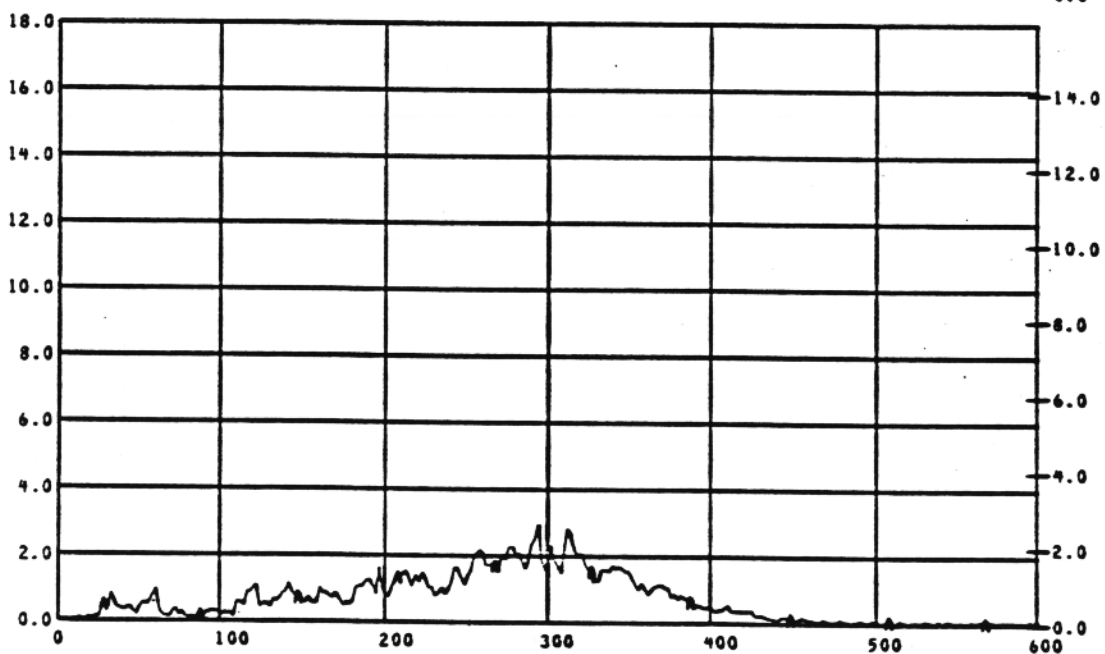
TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 14 23 31.000



B
T
U
/
F
T
2



B
T
U
/
F
T
2

MEAS. NUMBER	CHANNEL ASGN.
\$ CU	150
\$ CL	151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

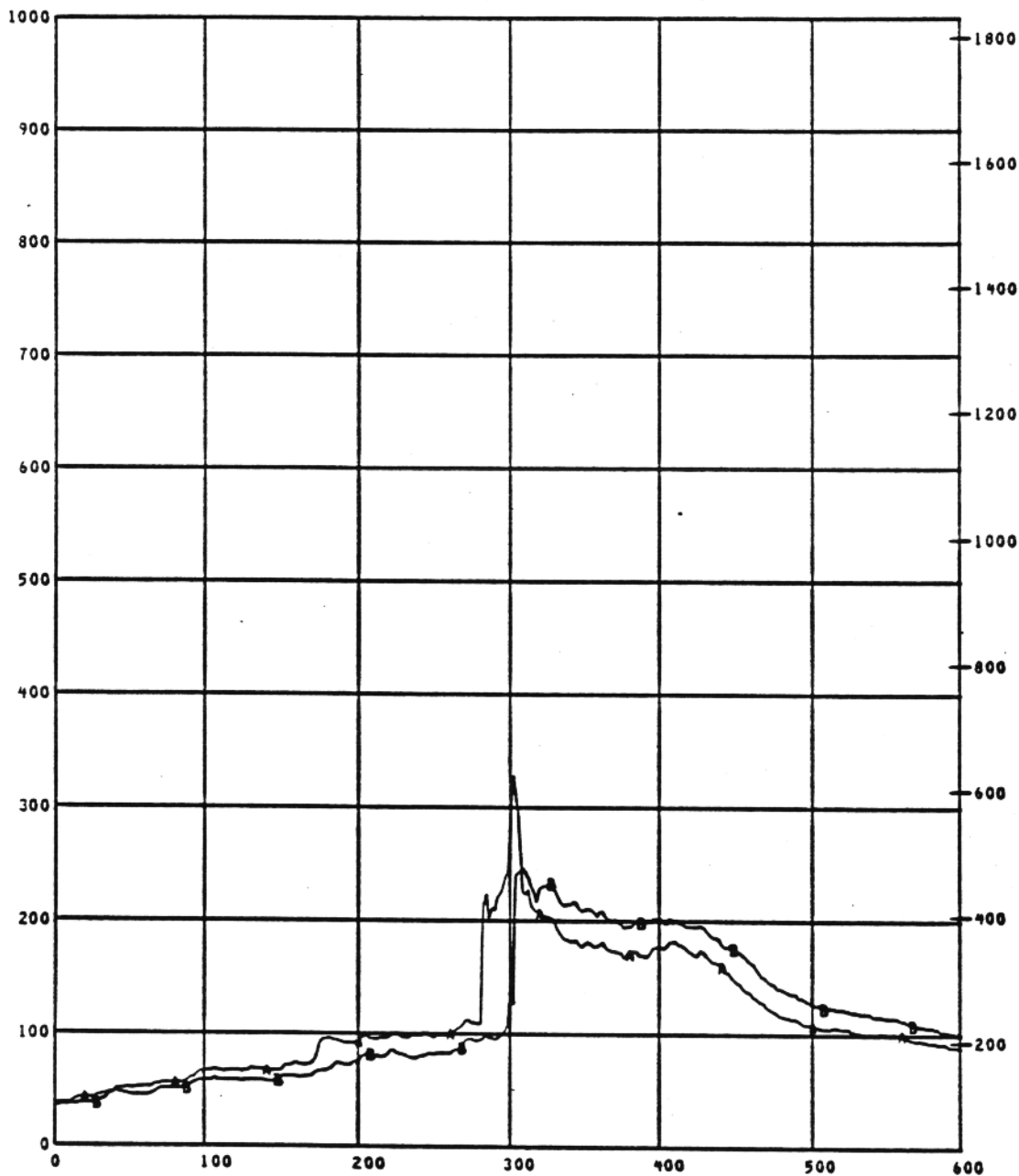
RANGE
0.0 TO 18.0
0.0 TO 18.0

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

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER	CHANNEL ASGN.
* TSL1	101
* TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

RANGE
0 TO 1000
0 TO 1000

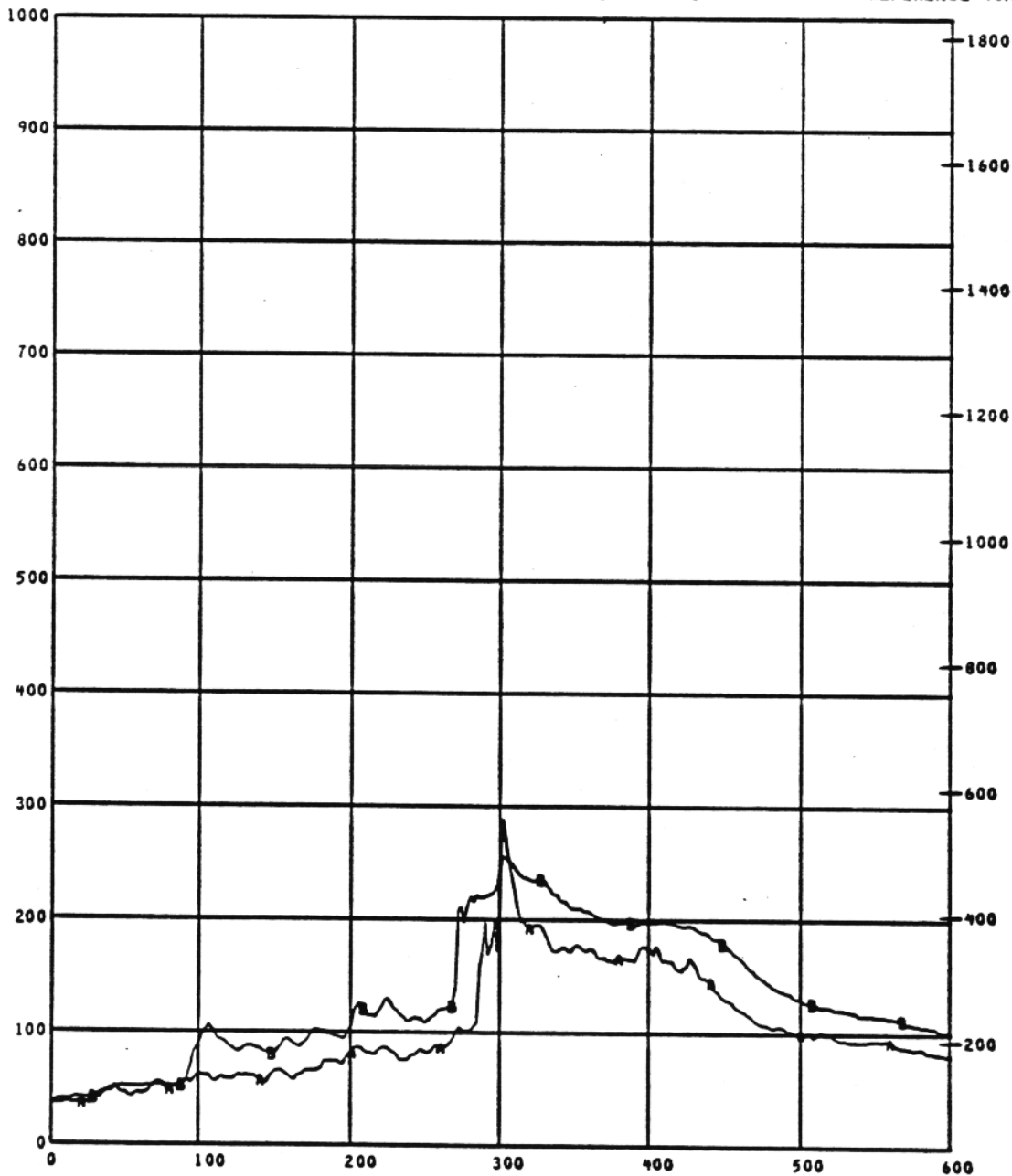
UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS3B

SEAT TST-OCT 1980 PLOT NO 8

- 1

REFERENCE TIME 14 23 31.000



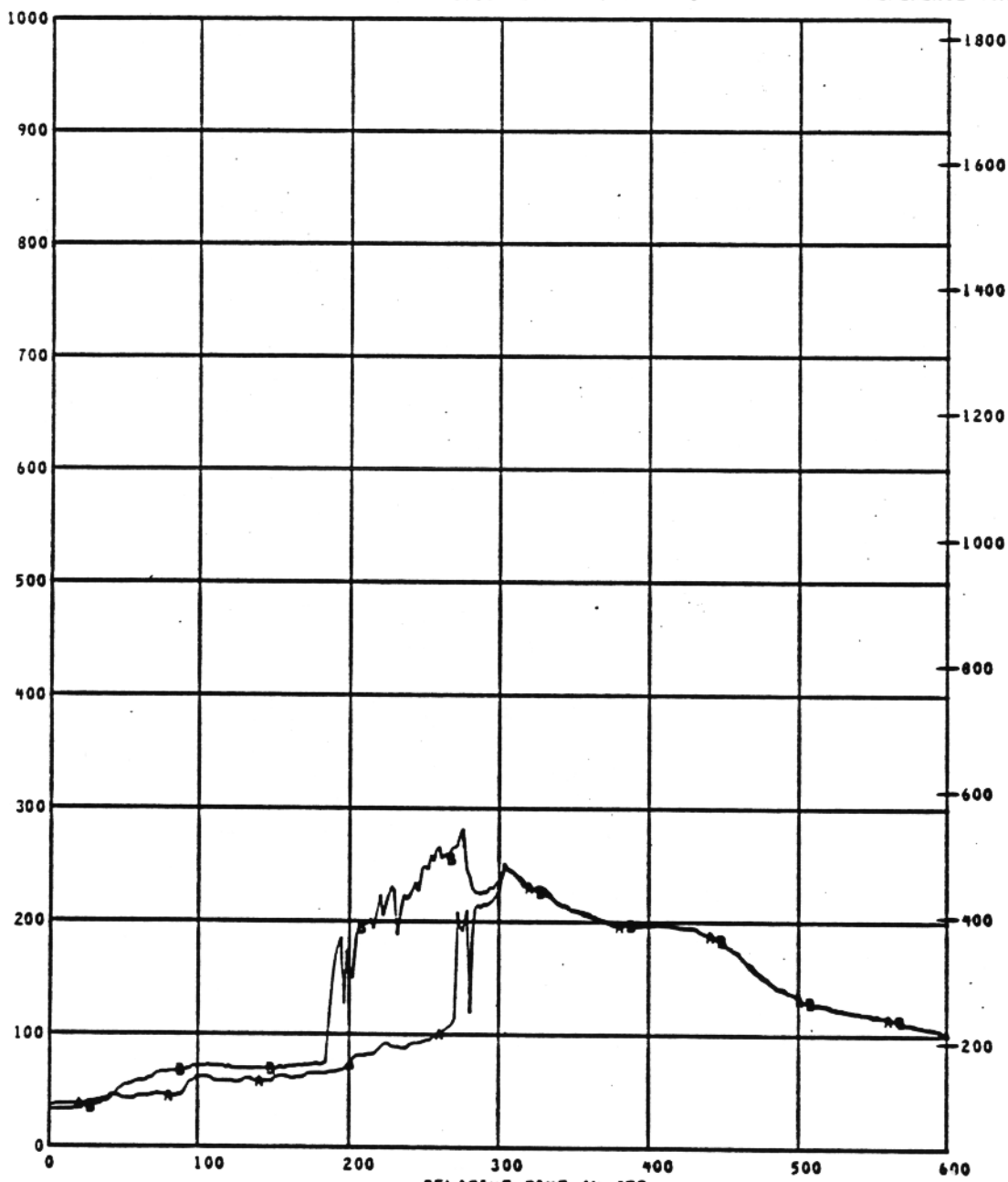
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 9

- 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSC2	105
\$ TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

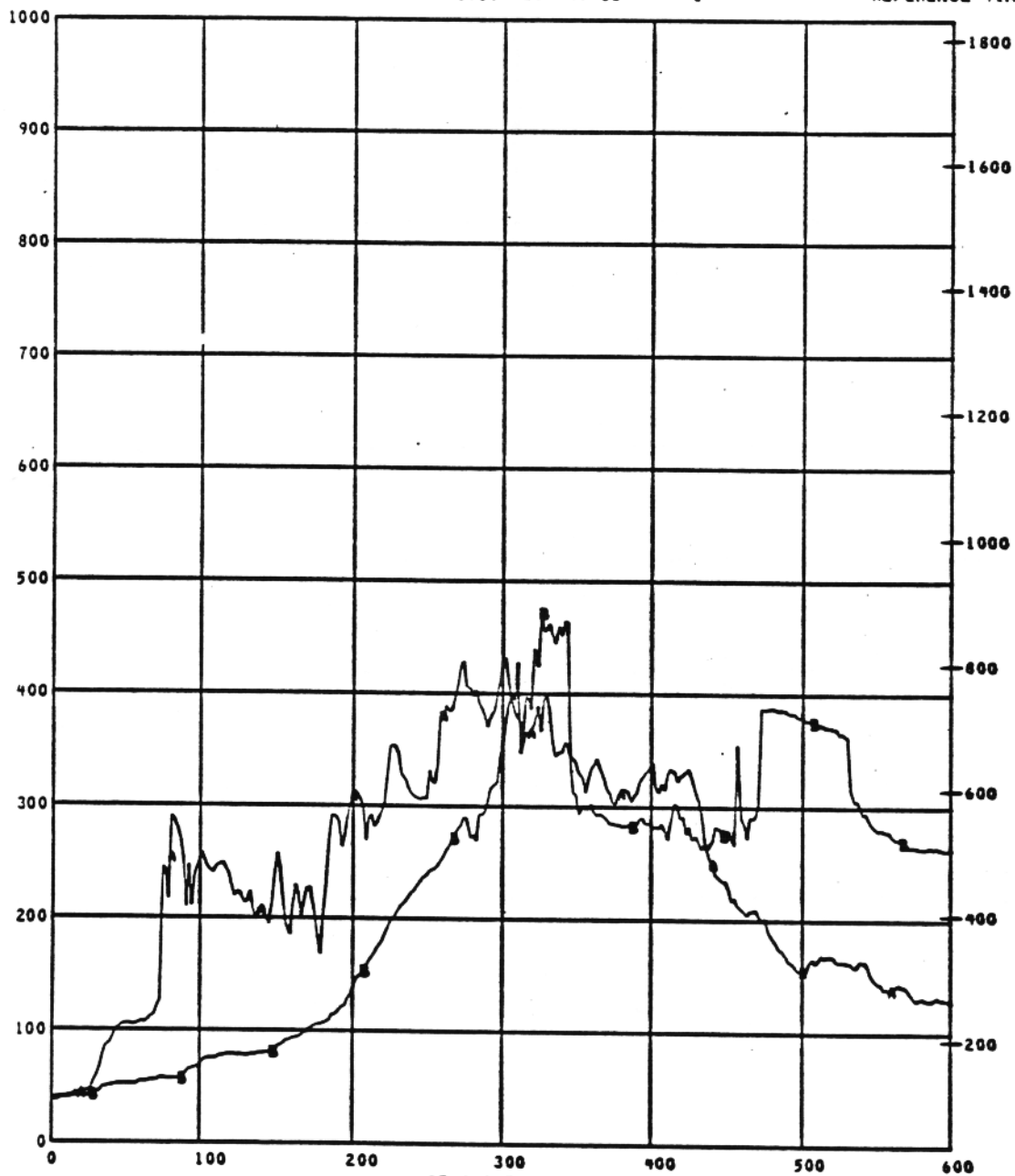
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER	CHANNEL ASGN.
* TSR1	107
* TSR2	108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

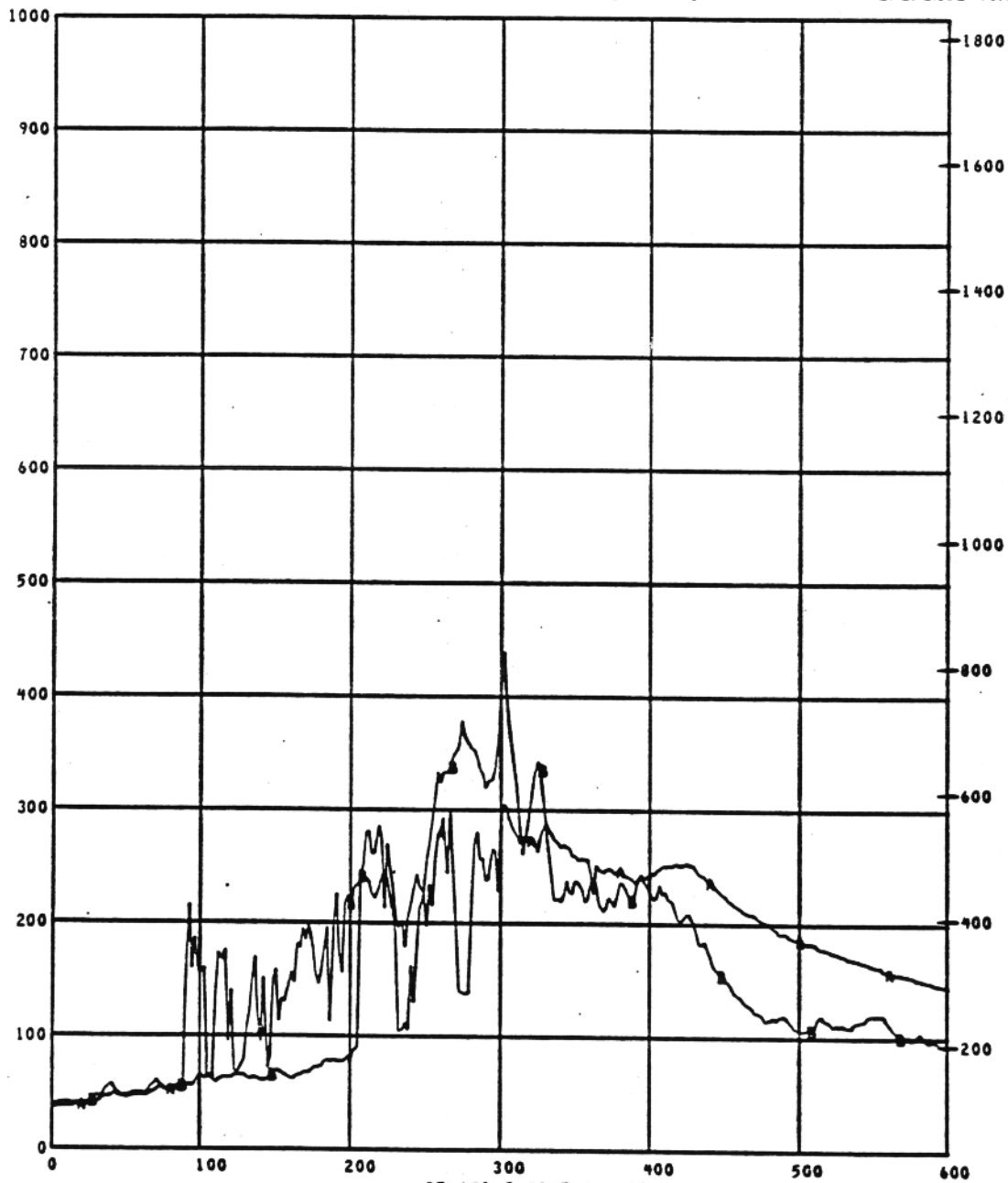
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 14 23 31.000



D
E
G
F

MEAS. NUMBER CHANNEL ASGN.
\$ TSR3 109
\$ TBL1 110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

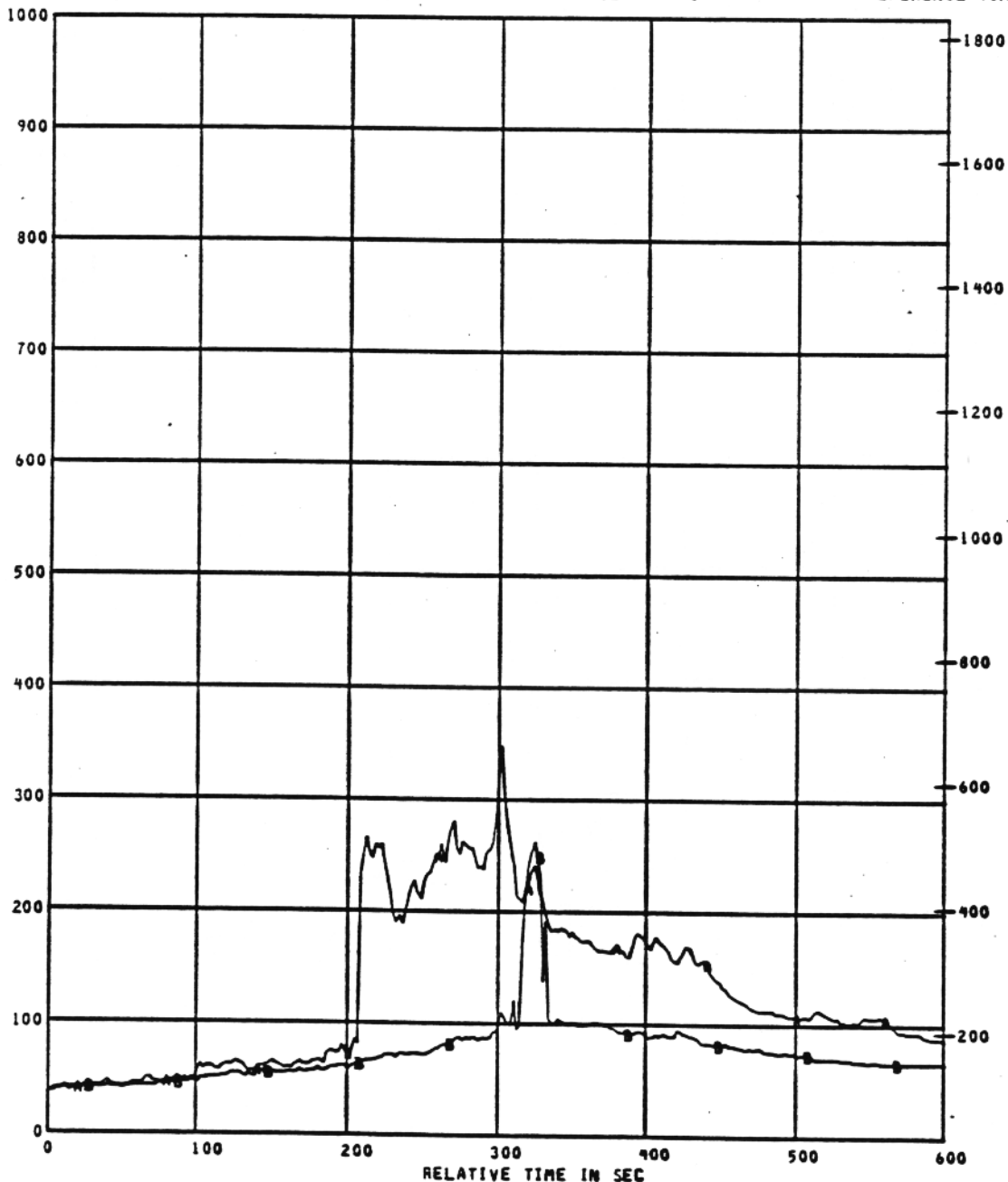
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBL2	111
\$ TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

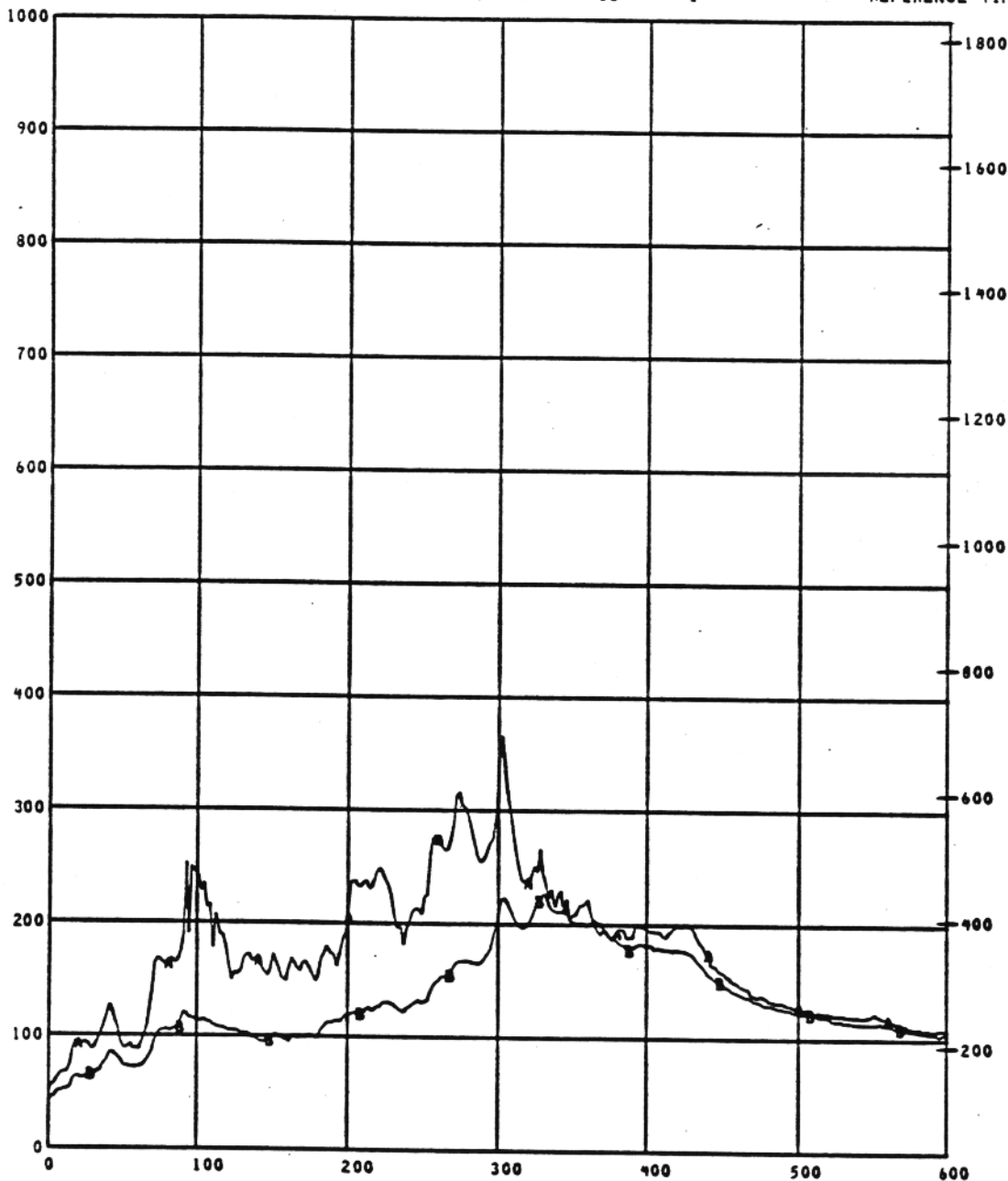
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 14 23 31.000



D
E
G
F

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

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

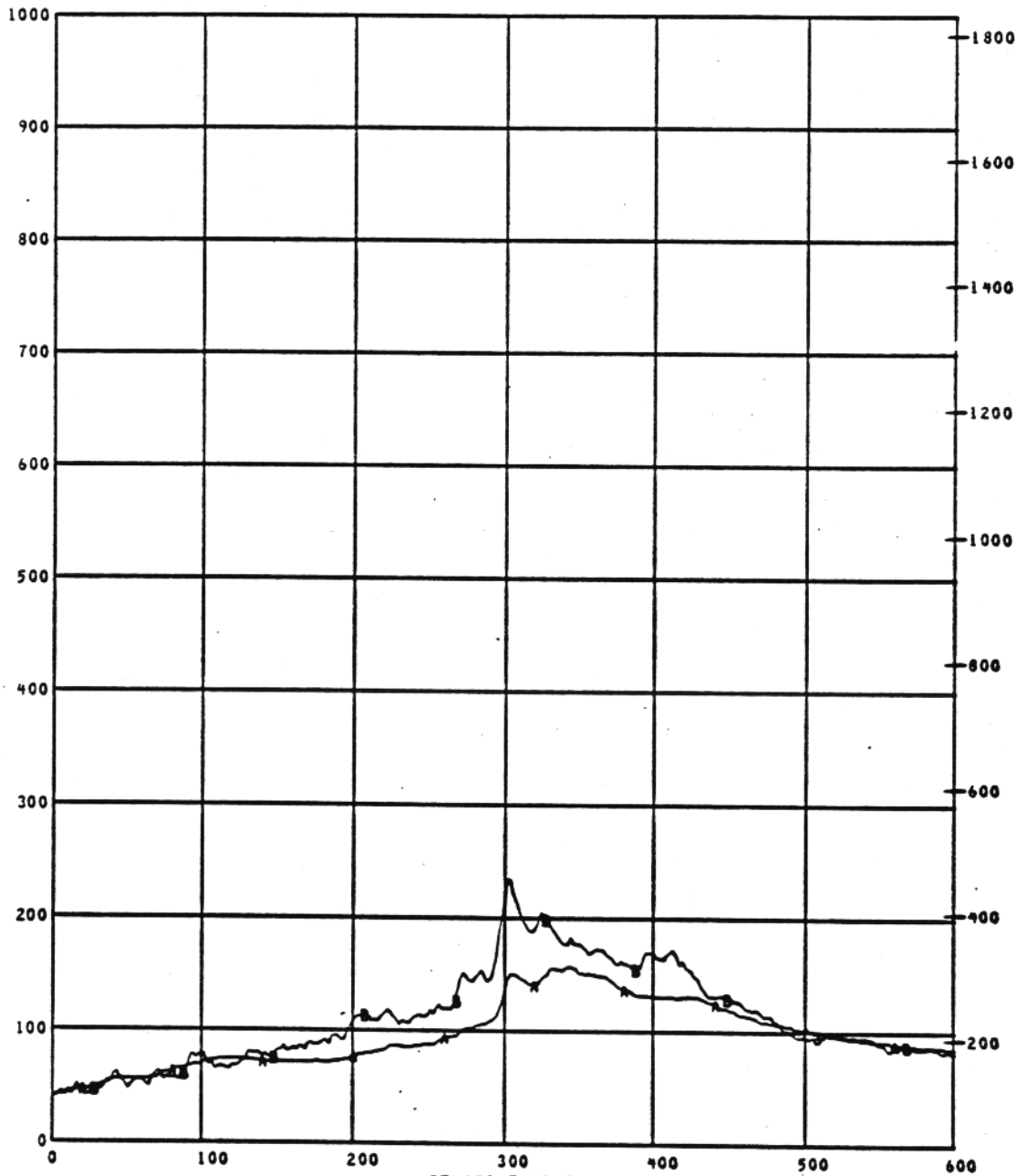
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 14 23 31.000

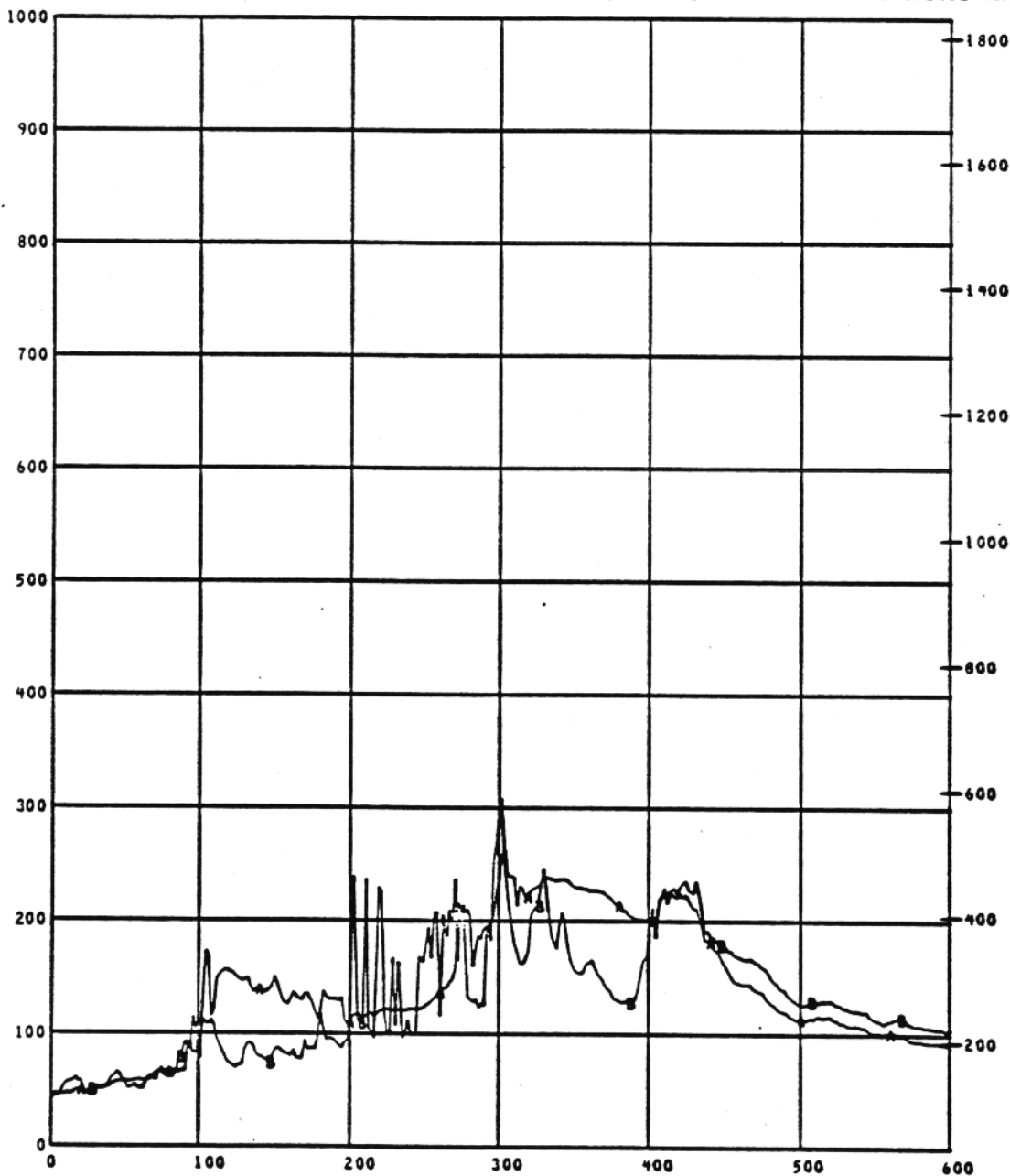


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
\$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER
\$ TBR2
\$ TBR3

CHANNEL ASGN.
117
118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

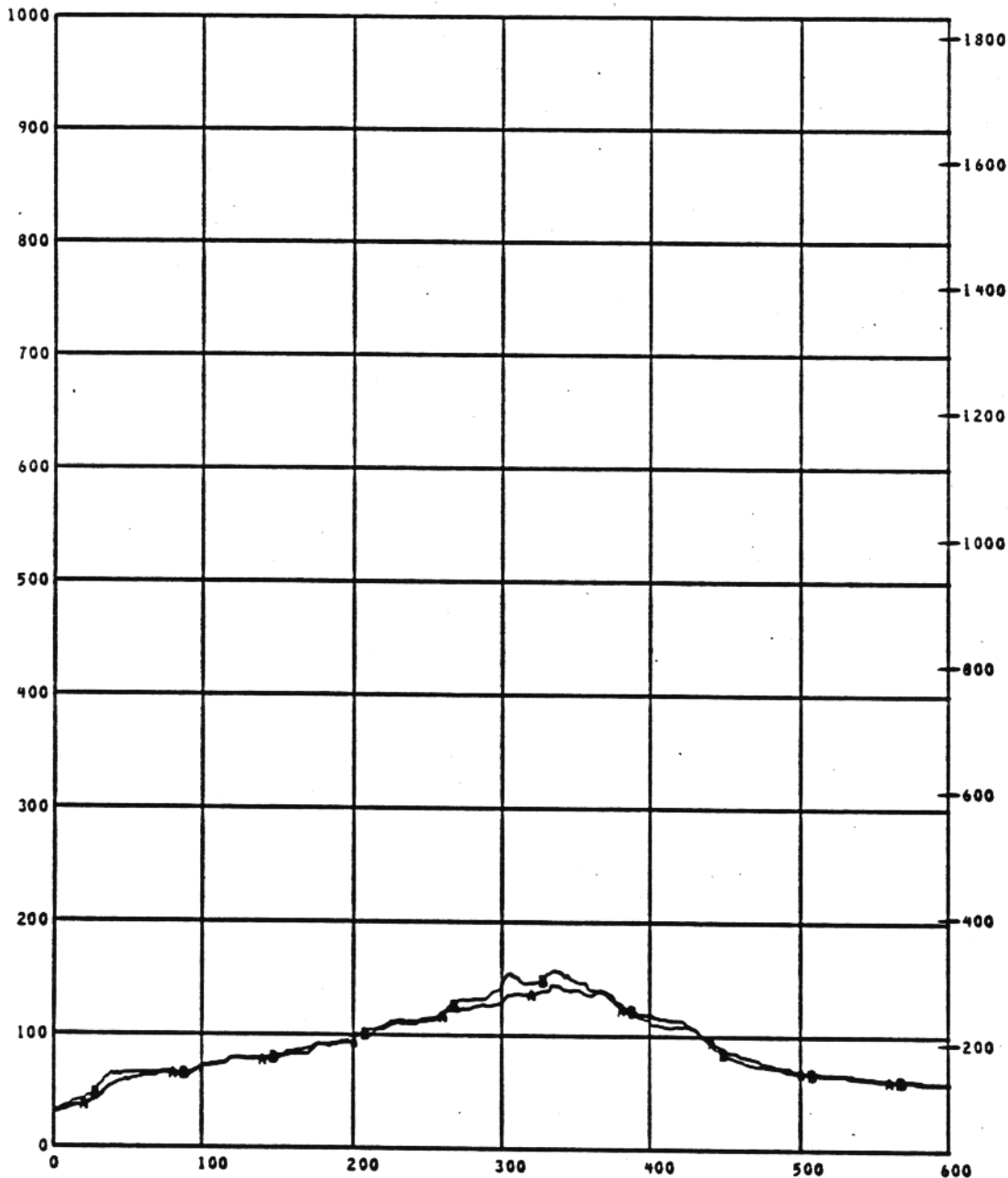
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

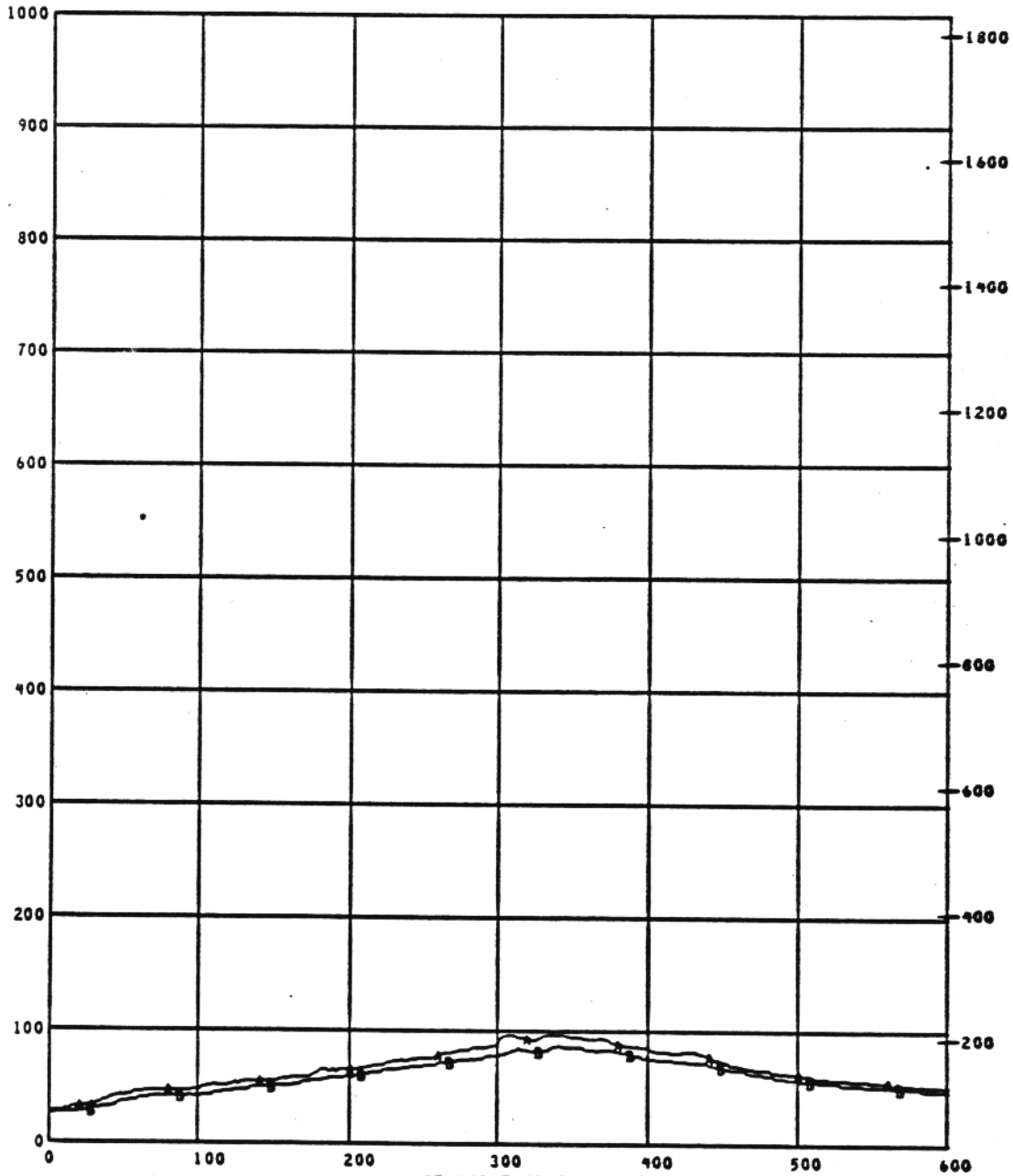
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 14 23 31.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

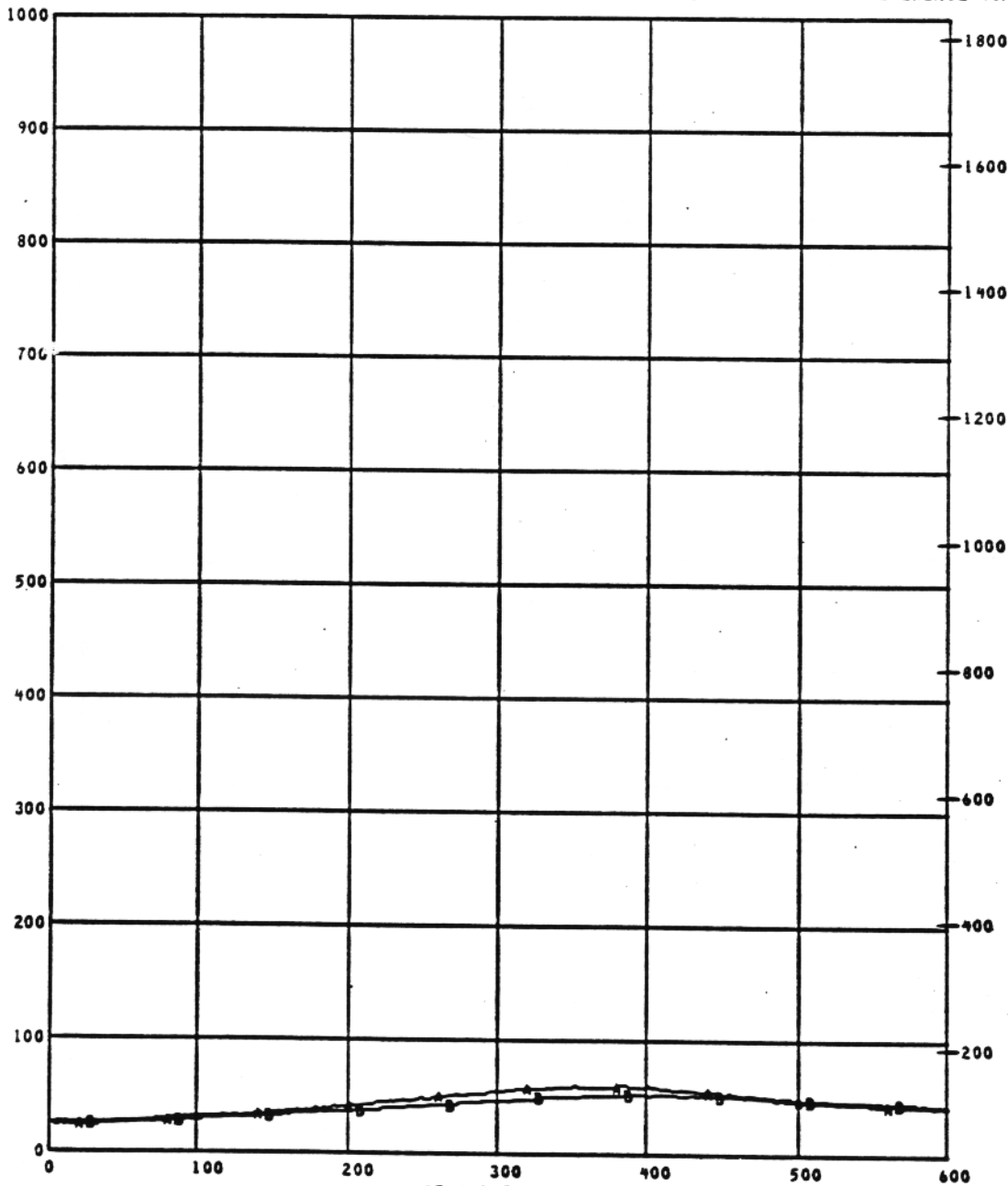
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 14 23 31.000



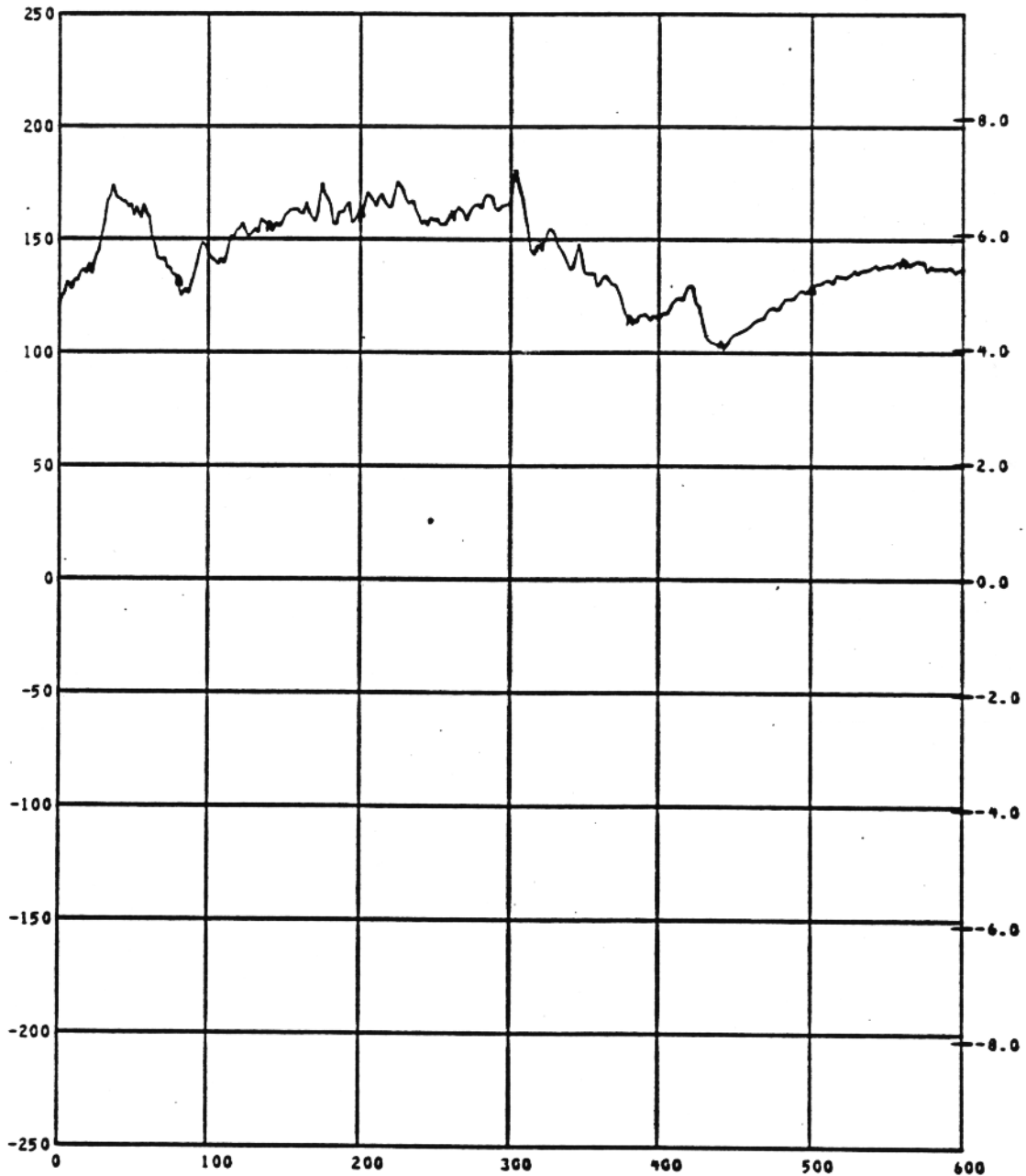
D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
\$ TAO	129	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 14 23 31.000



I
M
M
2
0

MEAS. NUMBER
3 DPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

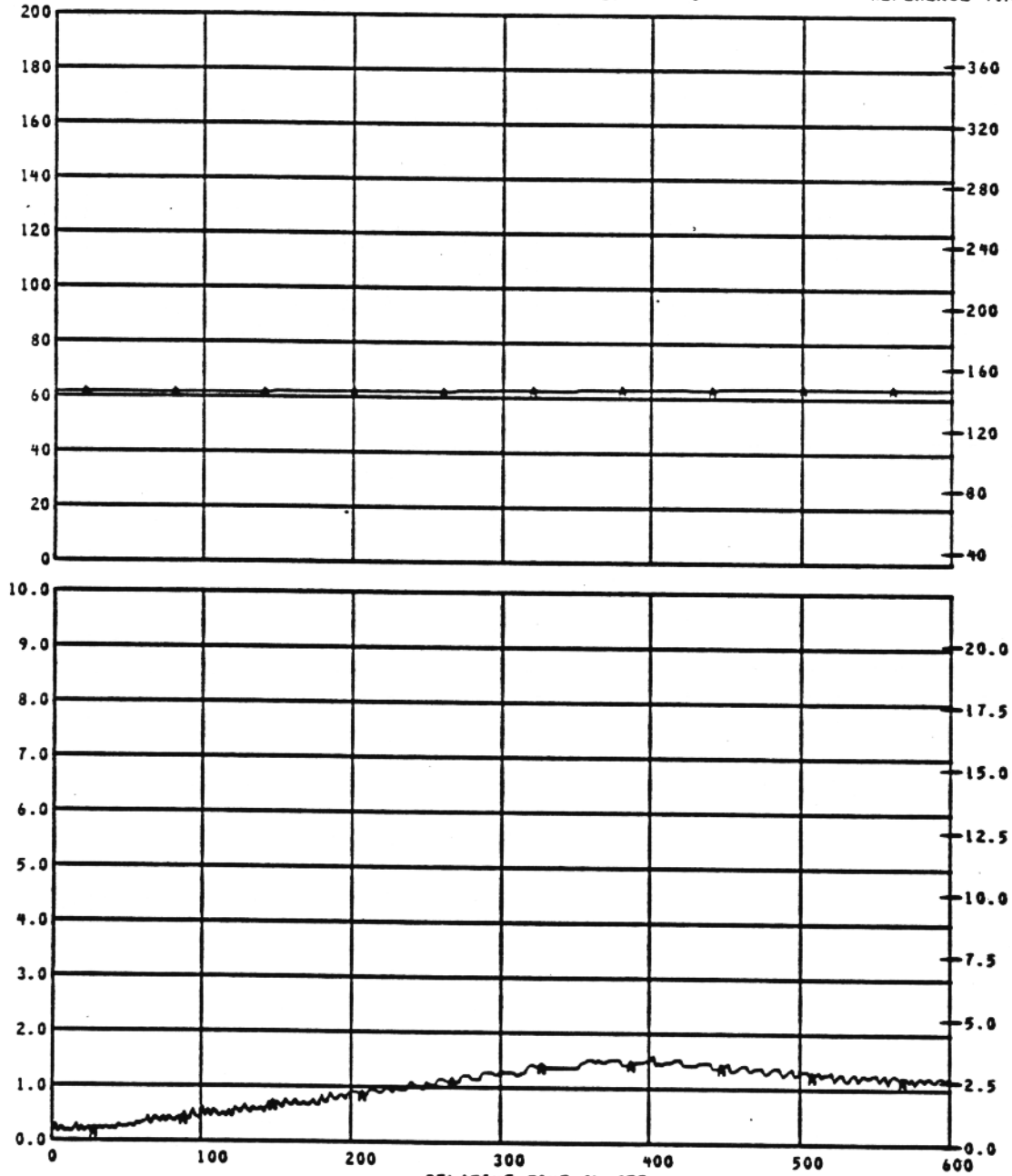
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 AA

TEST ID NAS38

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 14 23 31.000



D
E
G
F

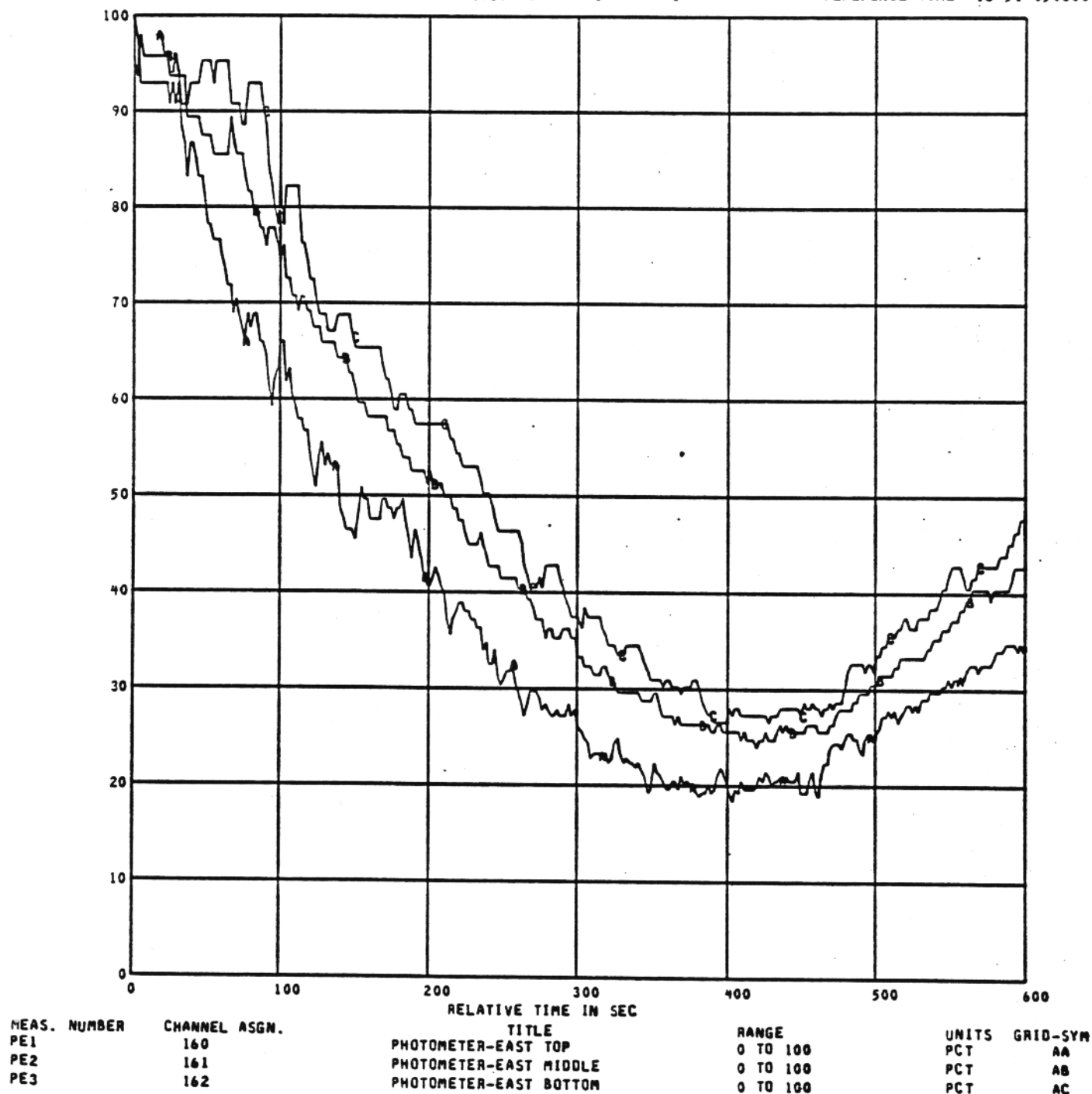
L
B
S

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 NAS48

SEAT TST-OCT 1980 PLOT NO 1 - 1

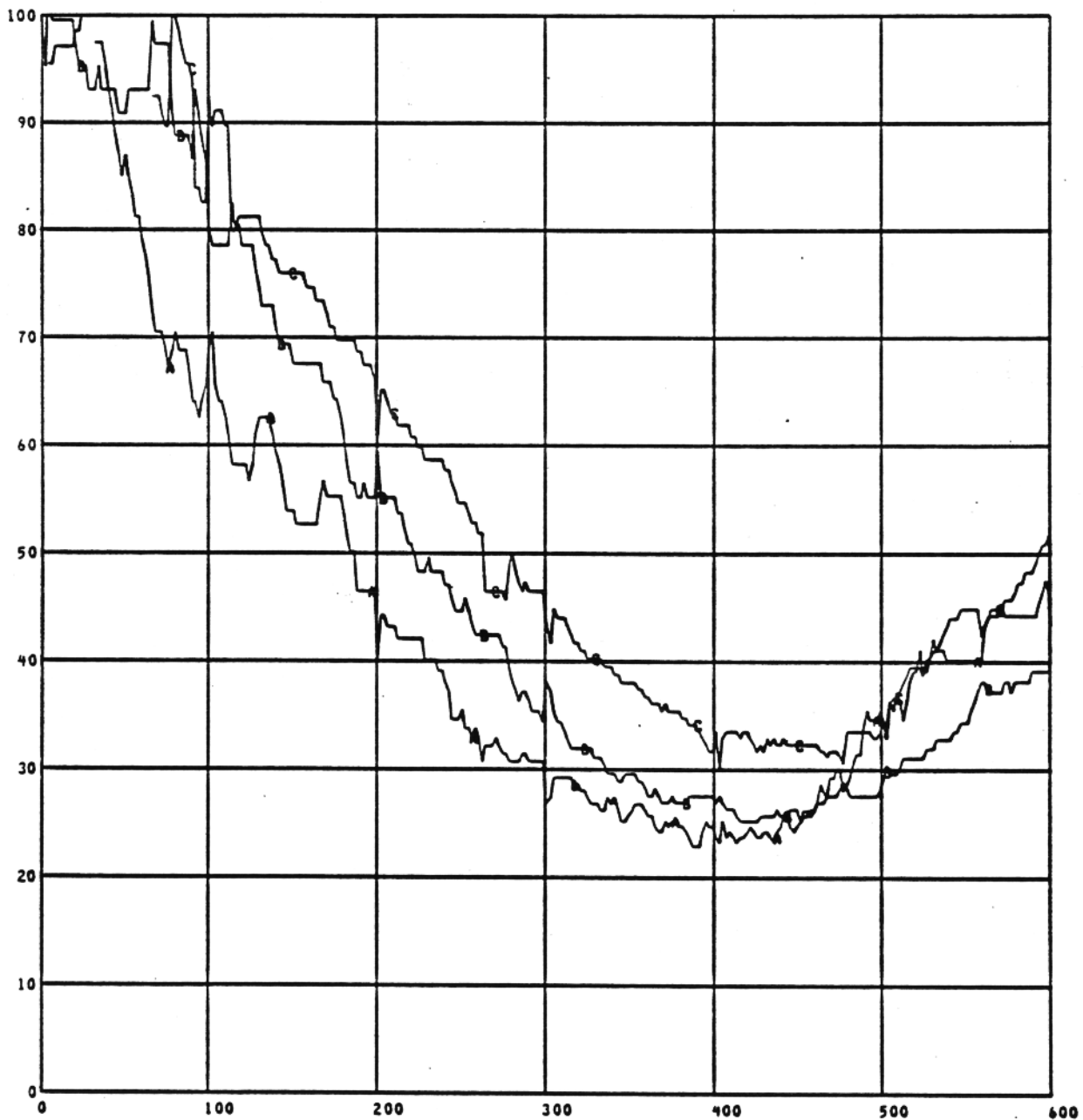
REFERENCE TIME 13 51 05.000



TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 13 51 05.000



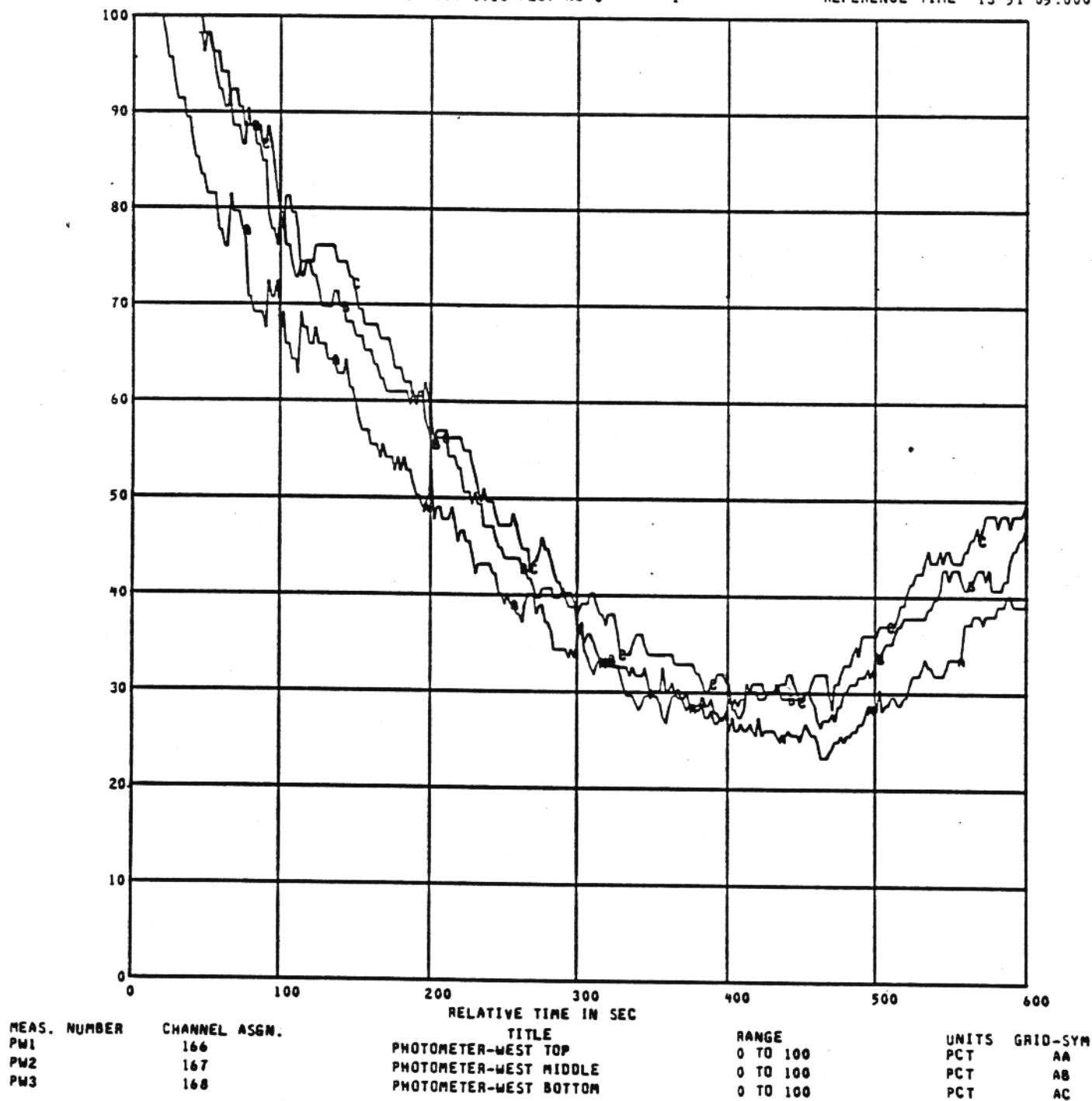
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 3

- 1

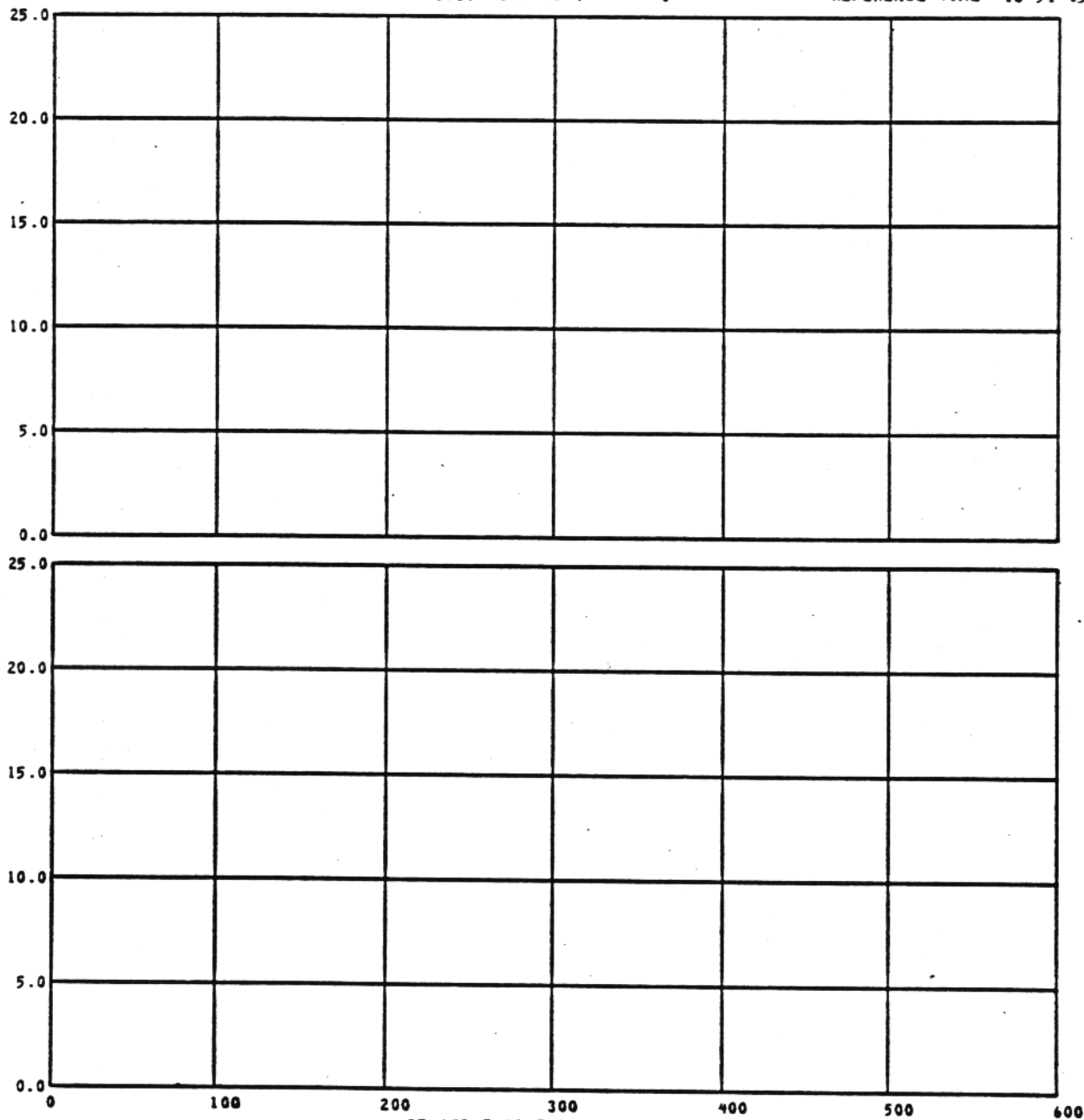
REFERENCE TIME 13 51 05.000



TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER
CHIE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

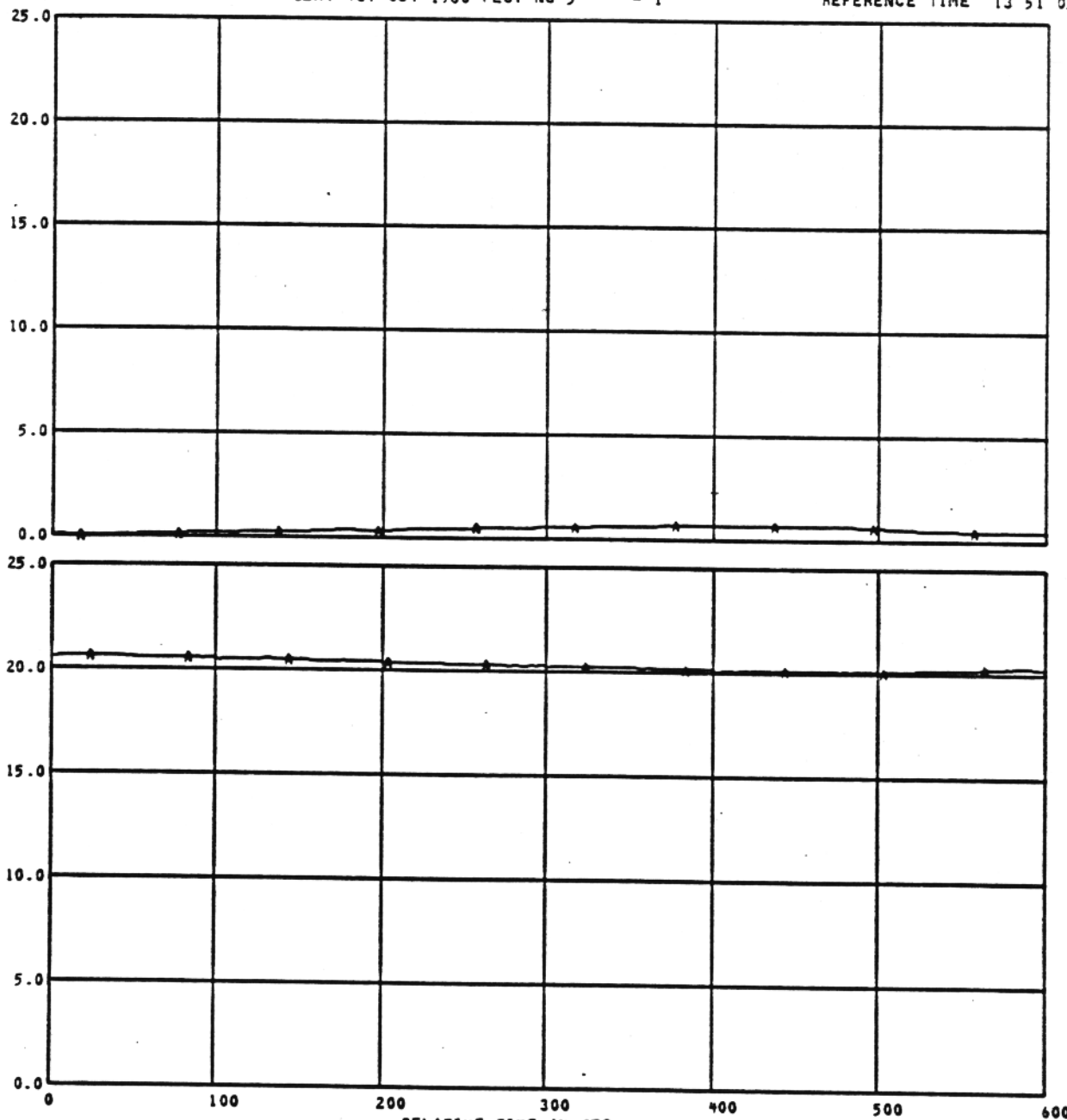
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 51 05.000

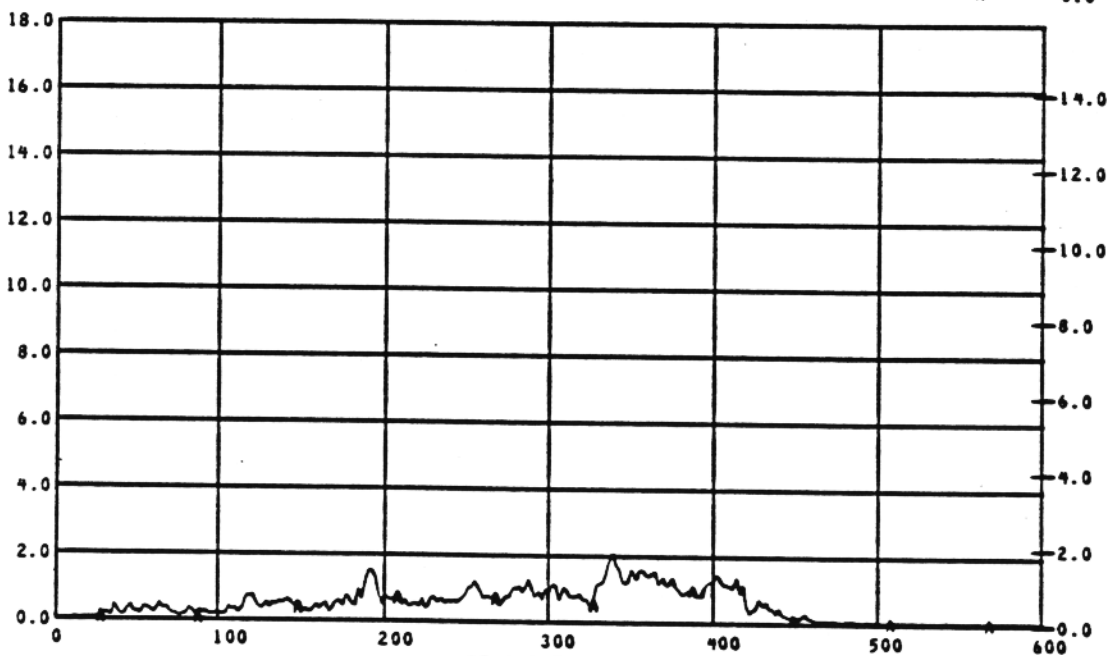
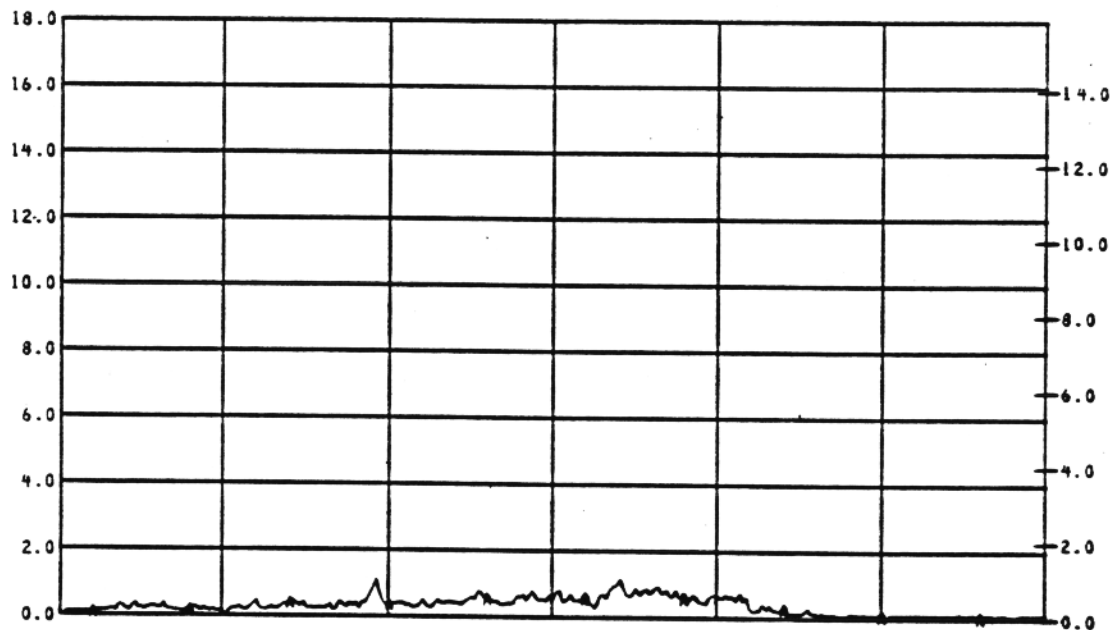


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 51 05.000

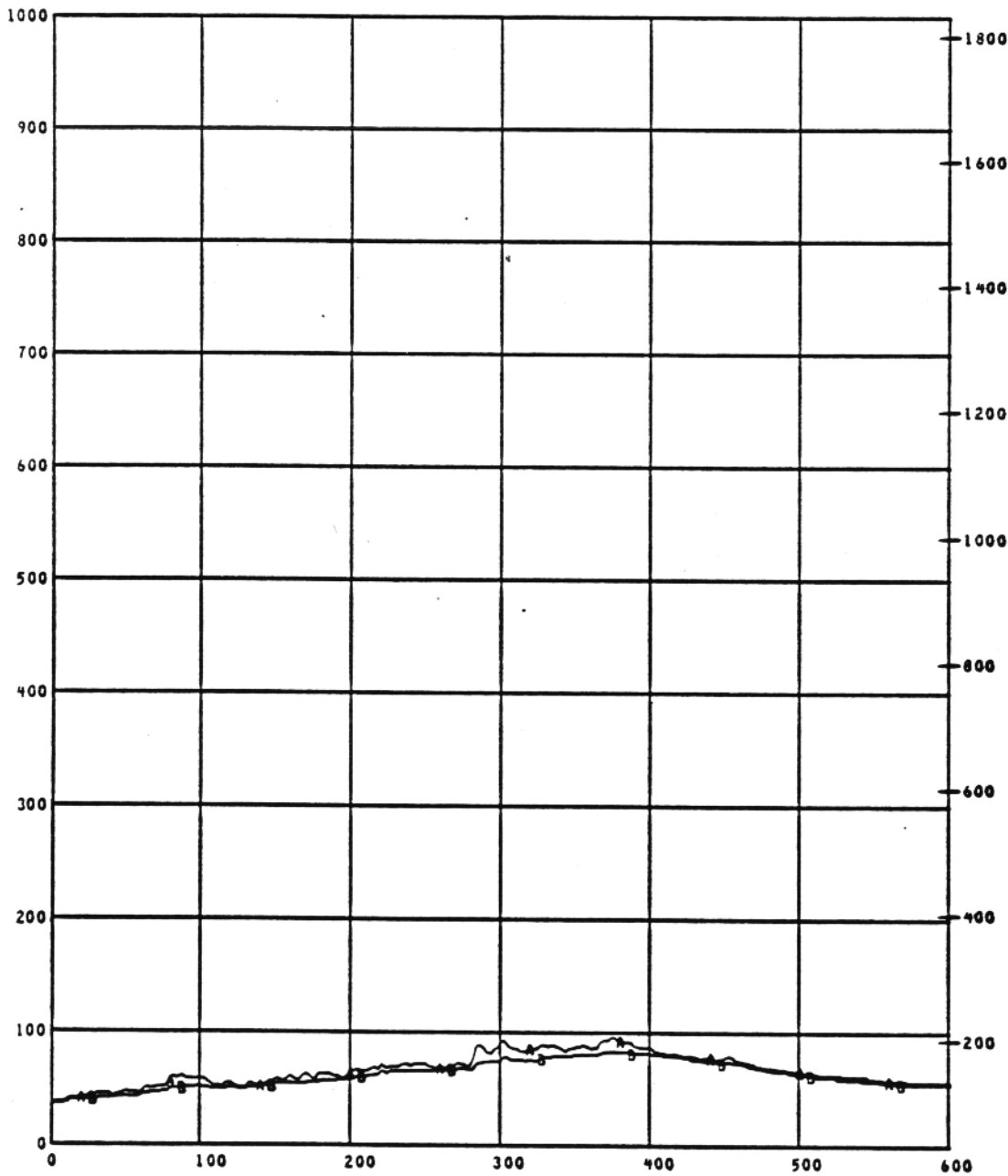


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
\$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 13 51 05.000



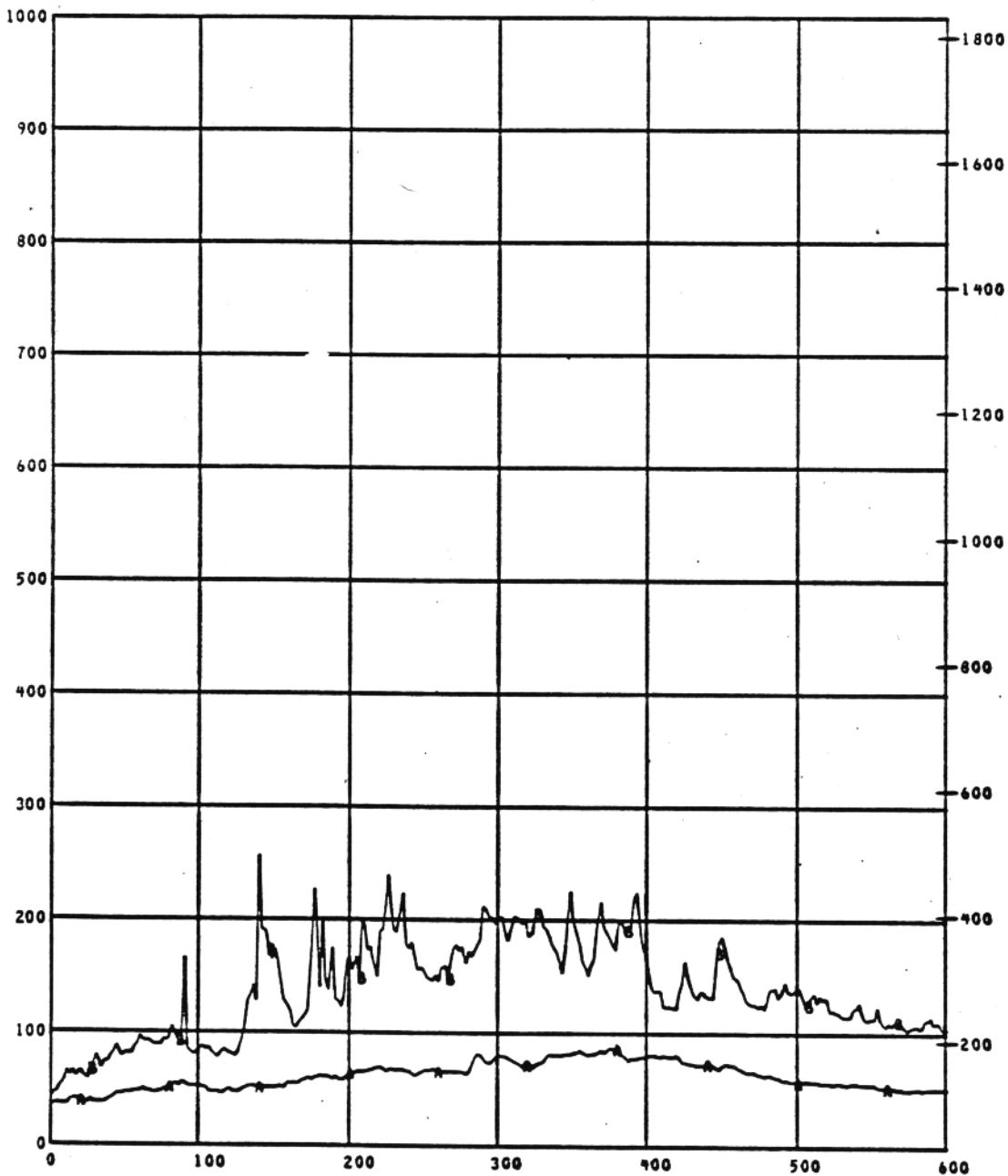
D
E
G
F

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 NAS4B

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

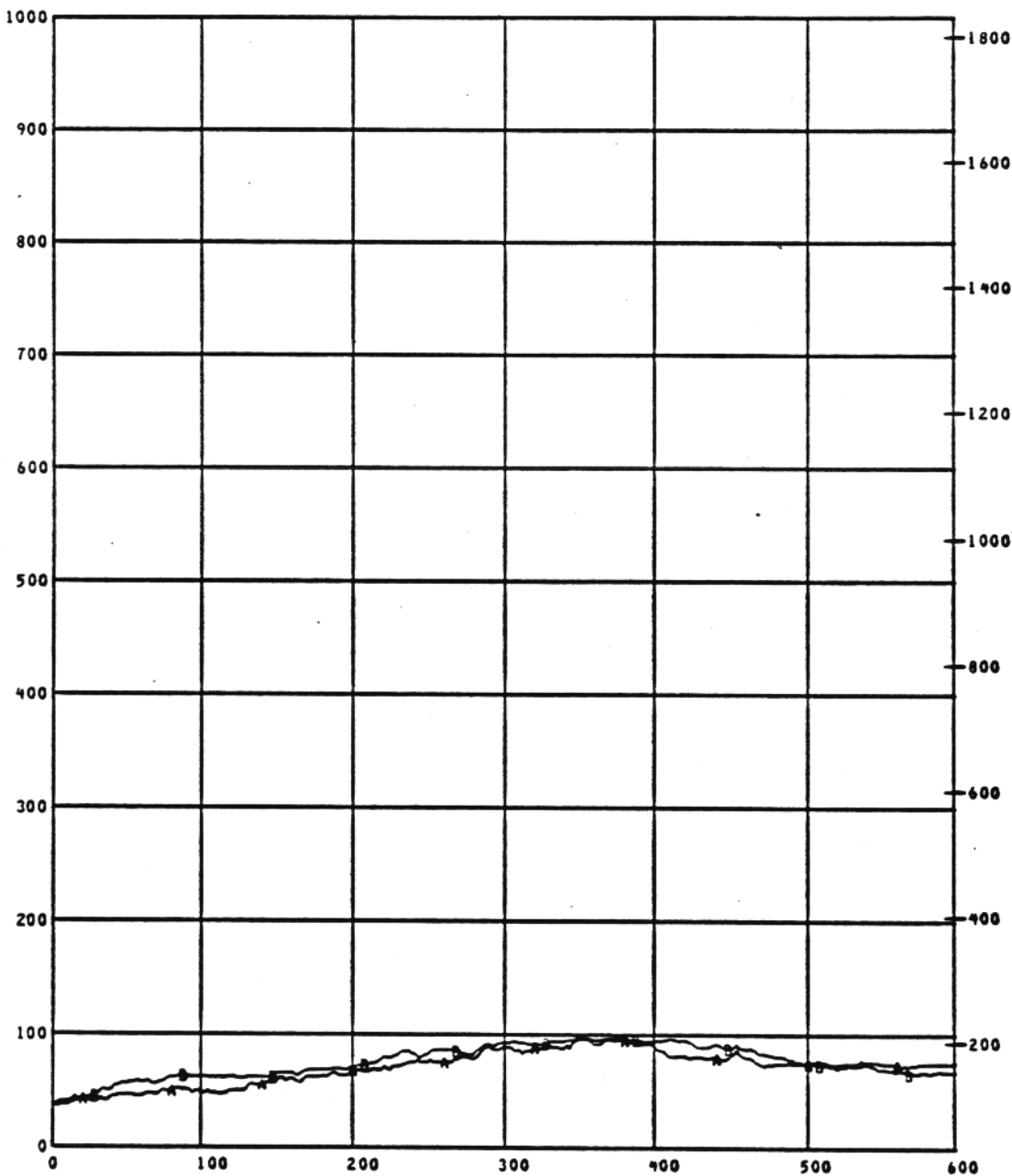
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 13 51 05.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TSC2	105
\$ TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

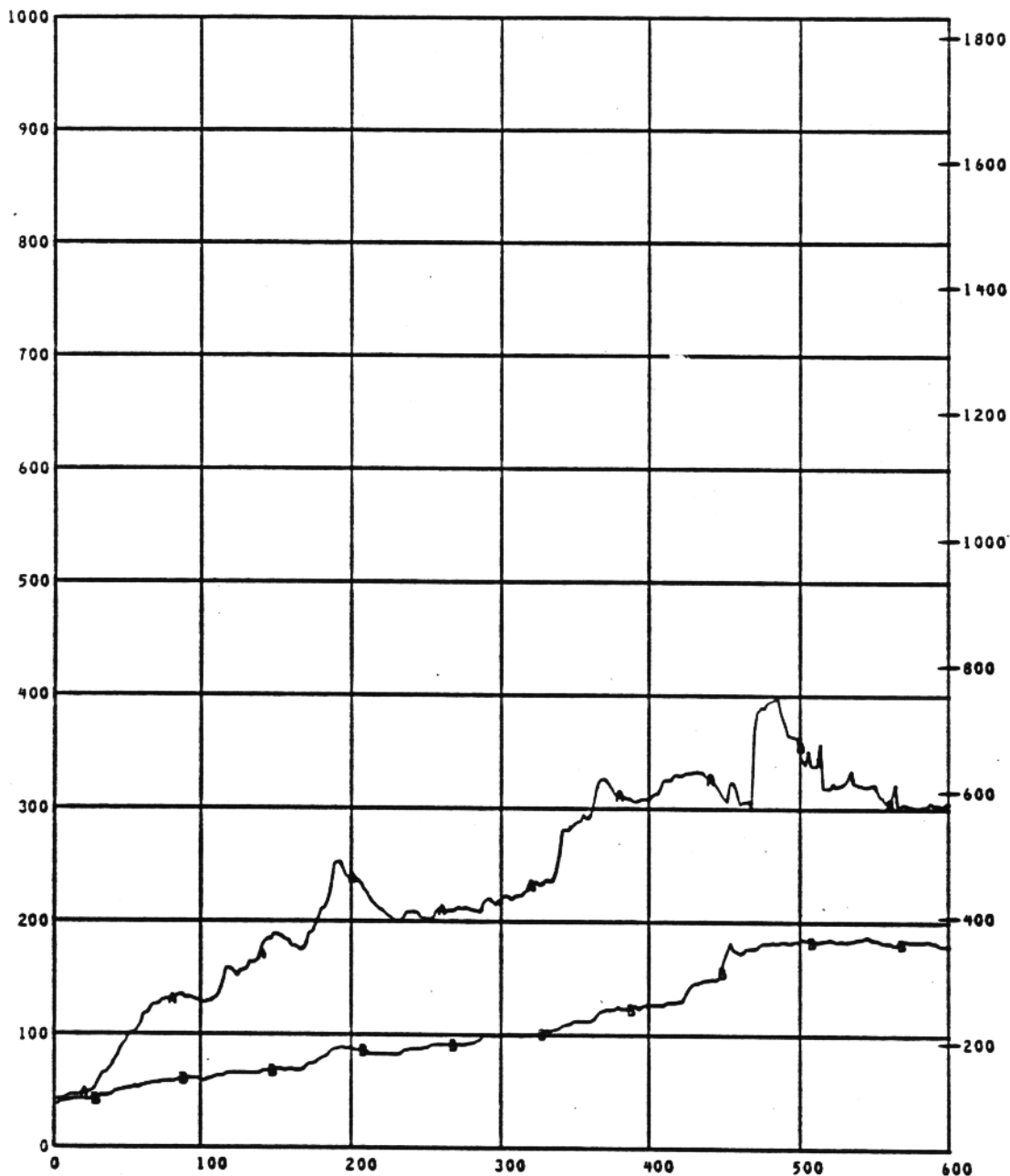
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 51 05.000

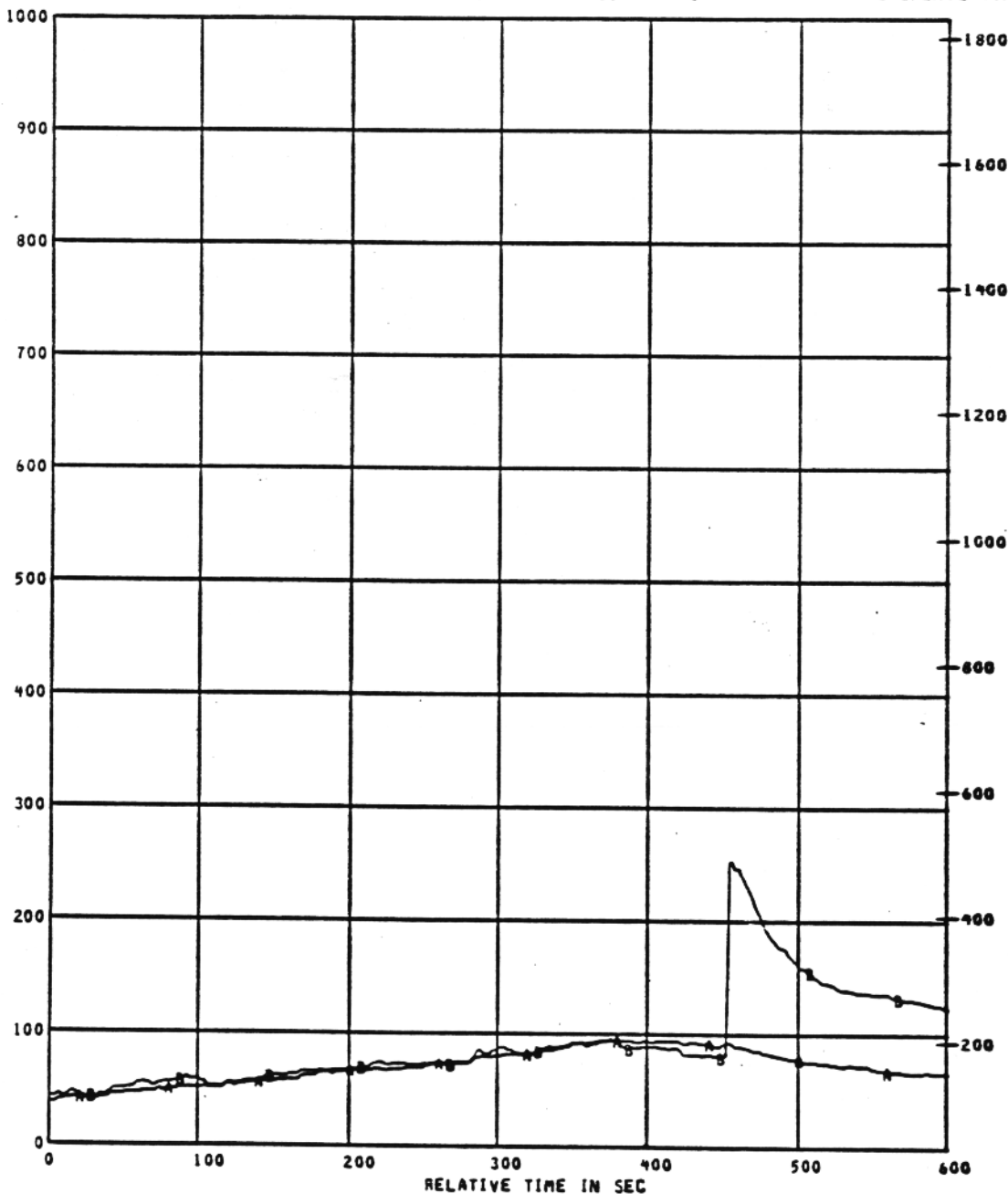


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
\$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 13 51 05.000



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

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

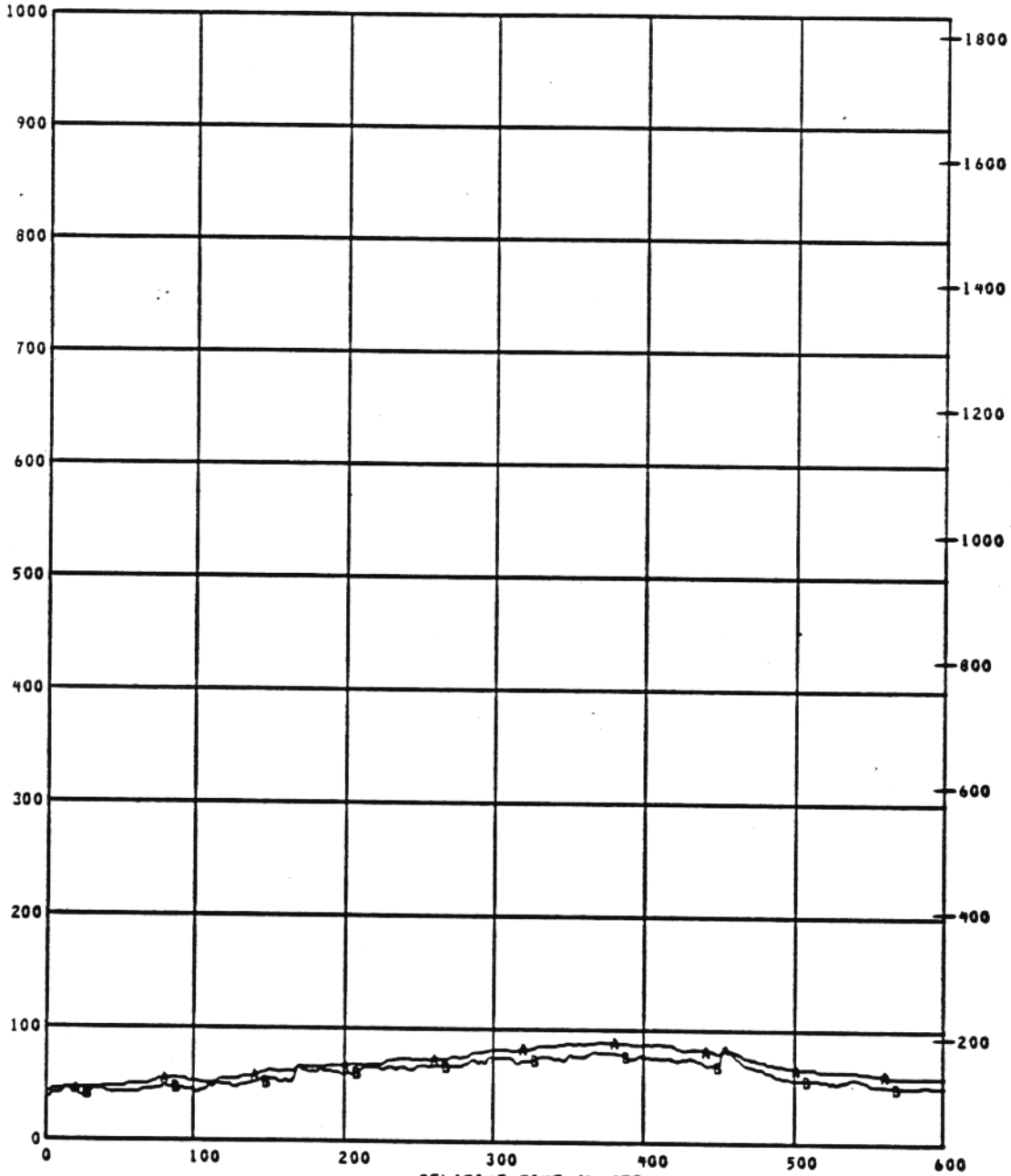
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS4B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 51 05.000



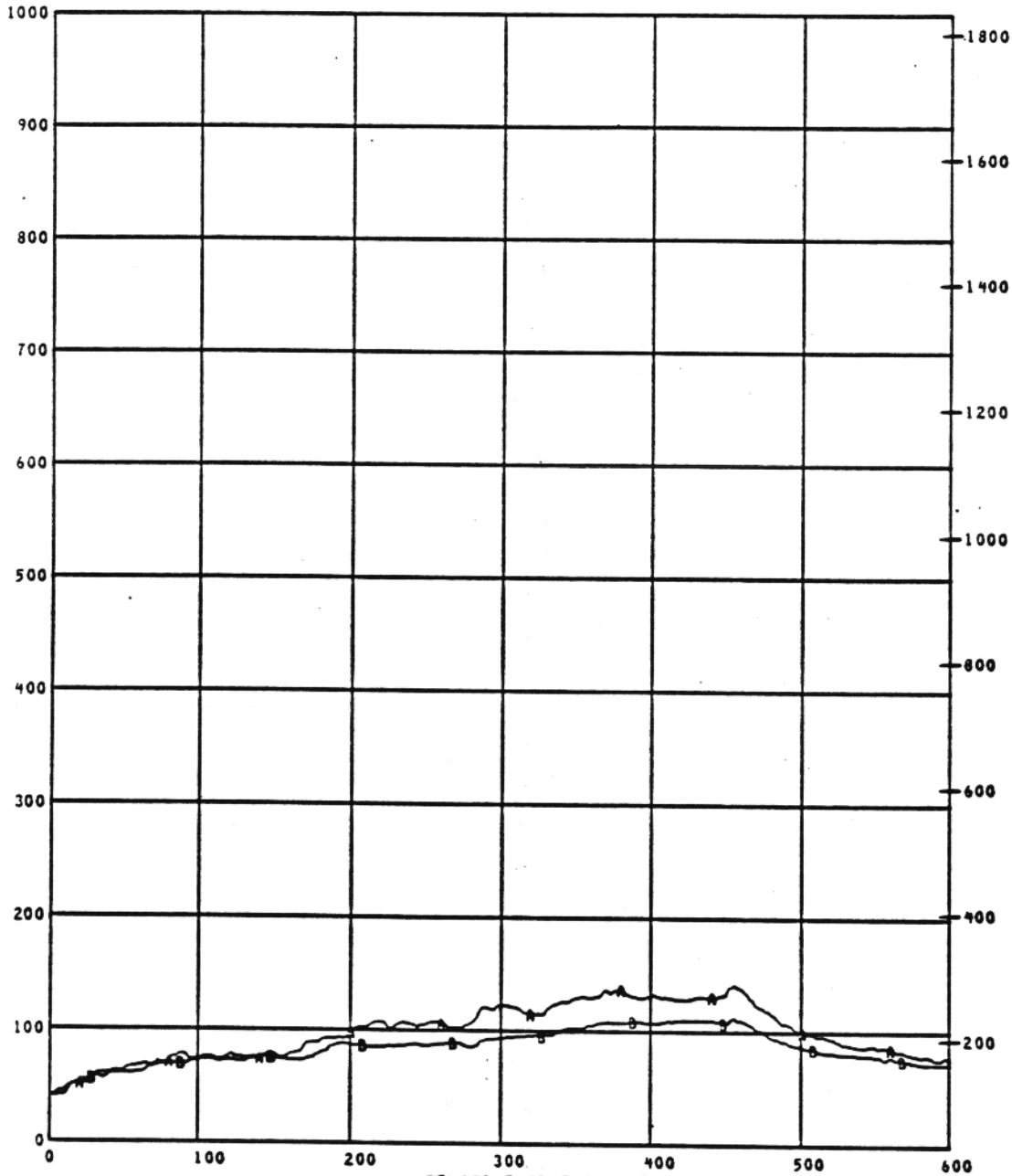
D
E
G
F

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 NAS48

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBC1	113
\$ TBC2	114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

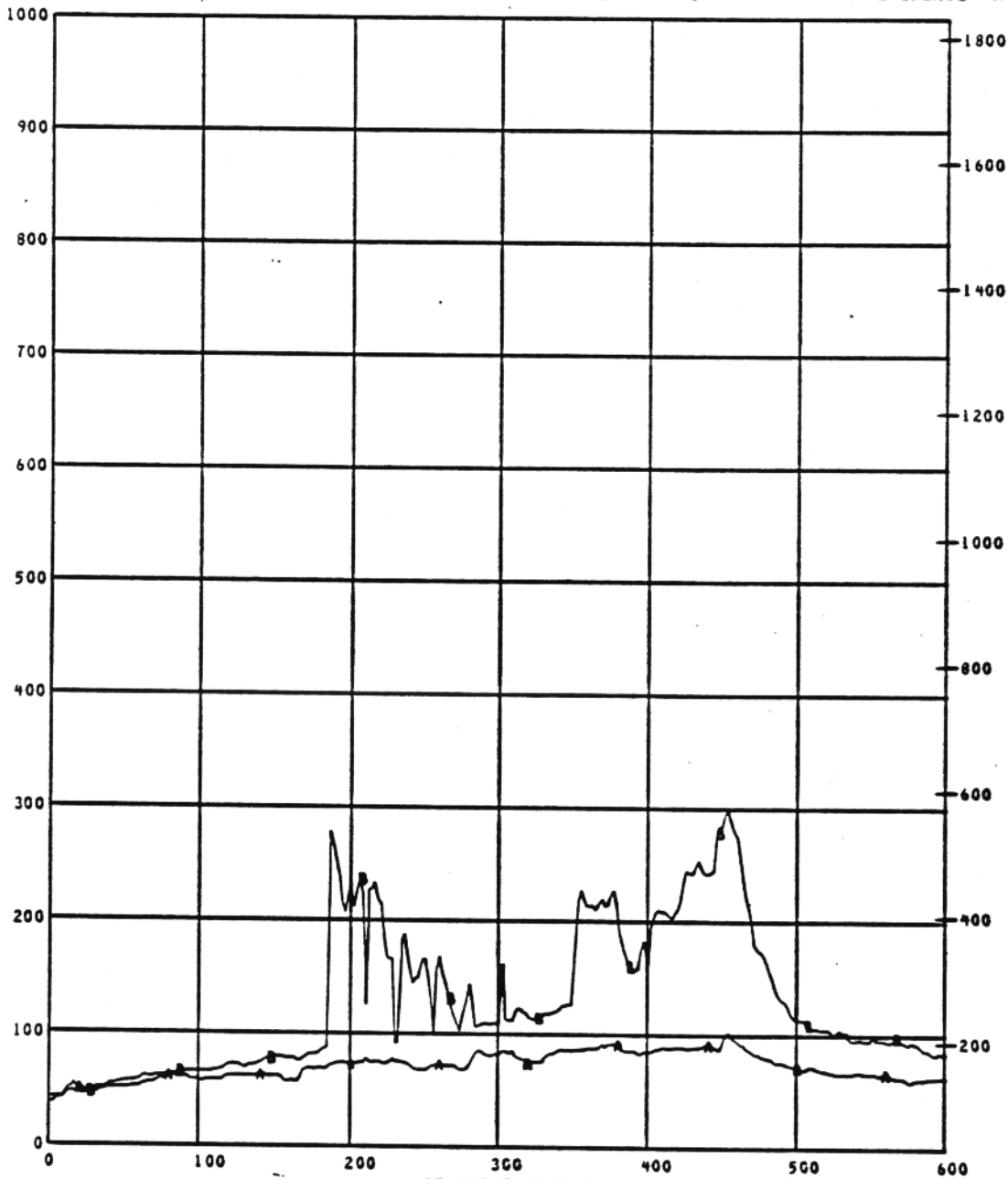
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLQT NO 14 - 1

REFERENCE TIME 13 51 05.000

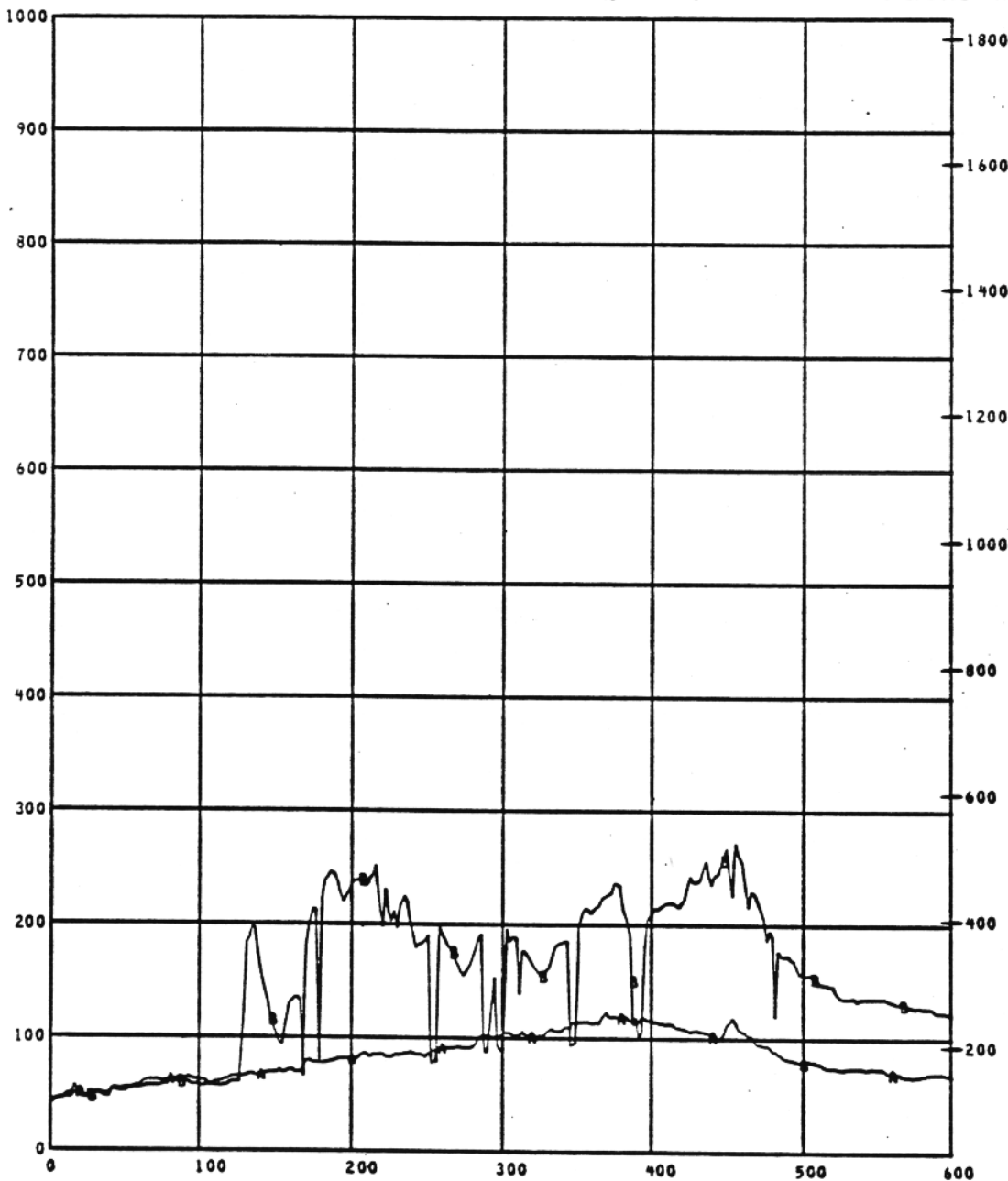


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
\$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 15 -1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBR2	117
\$ TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

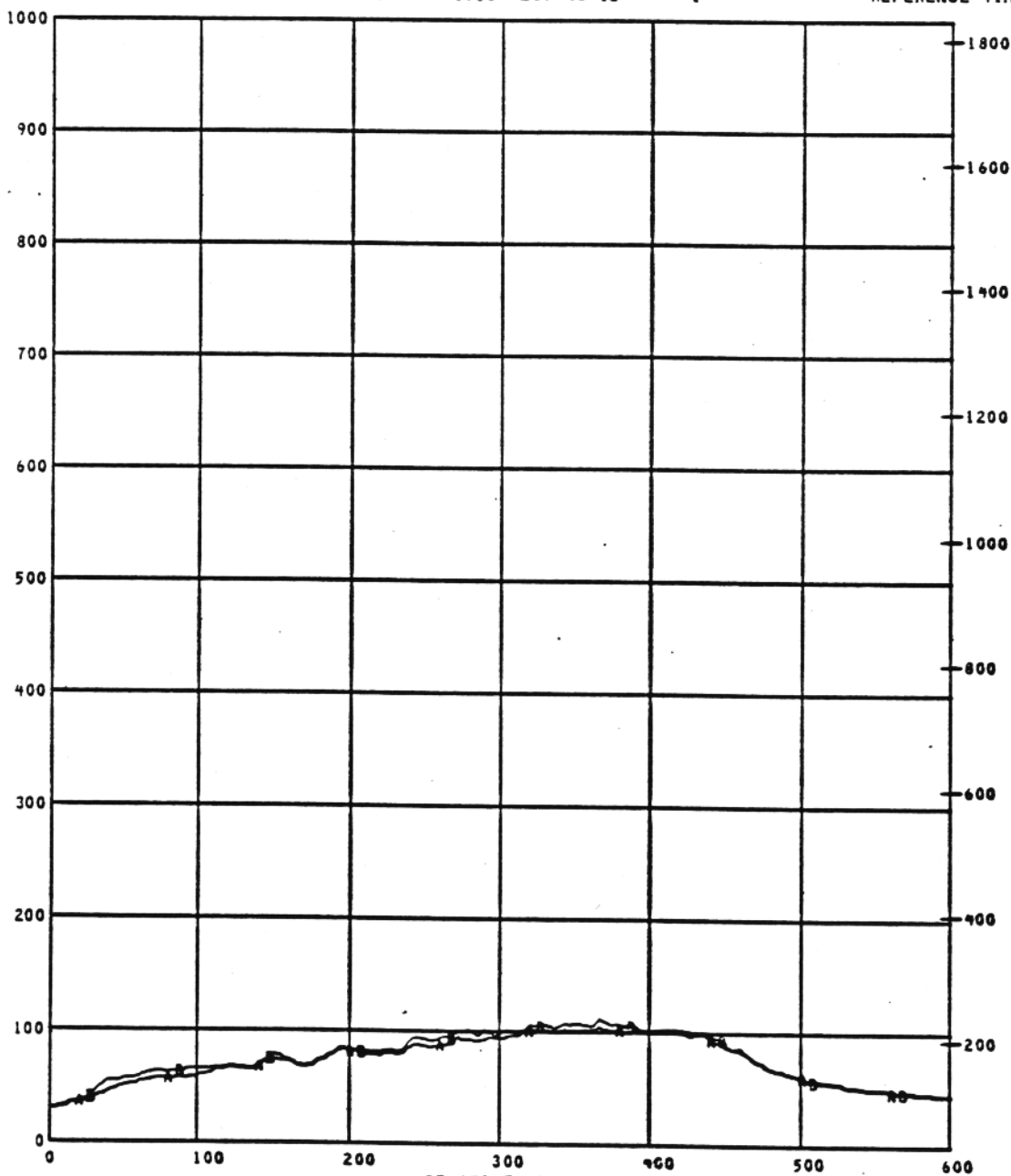
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 13 51 05.000

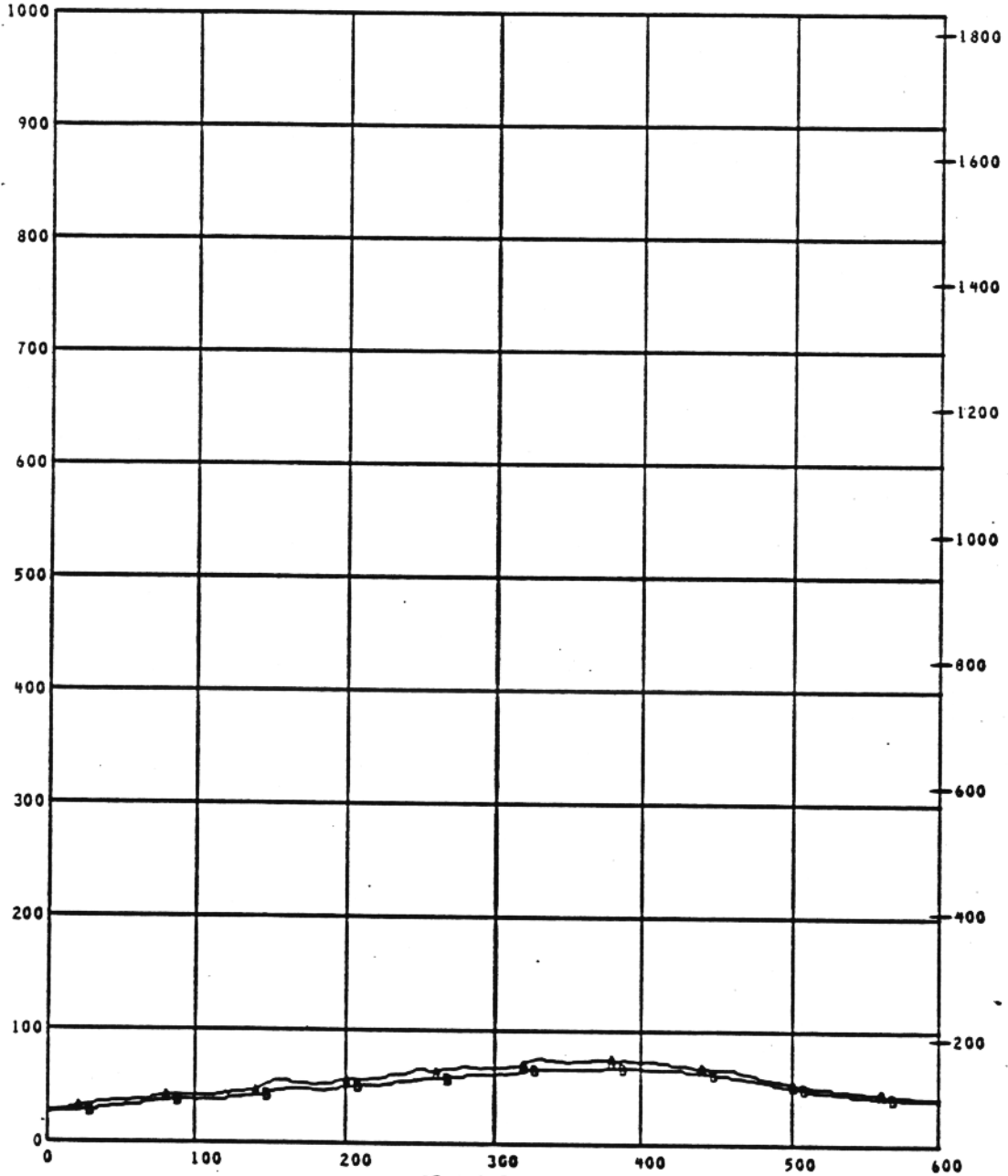


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
\$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1986 PLOT NO 17 - 1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

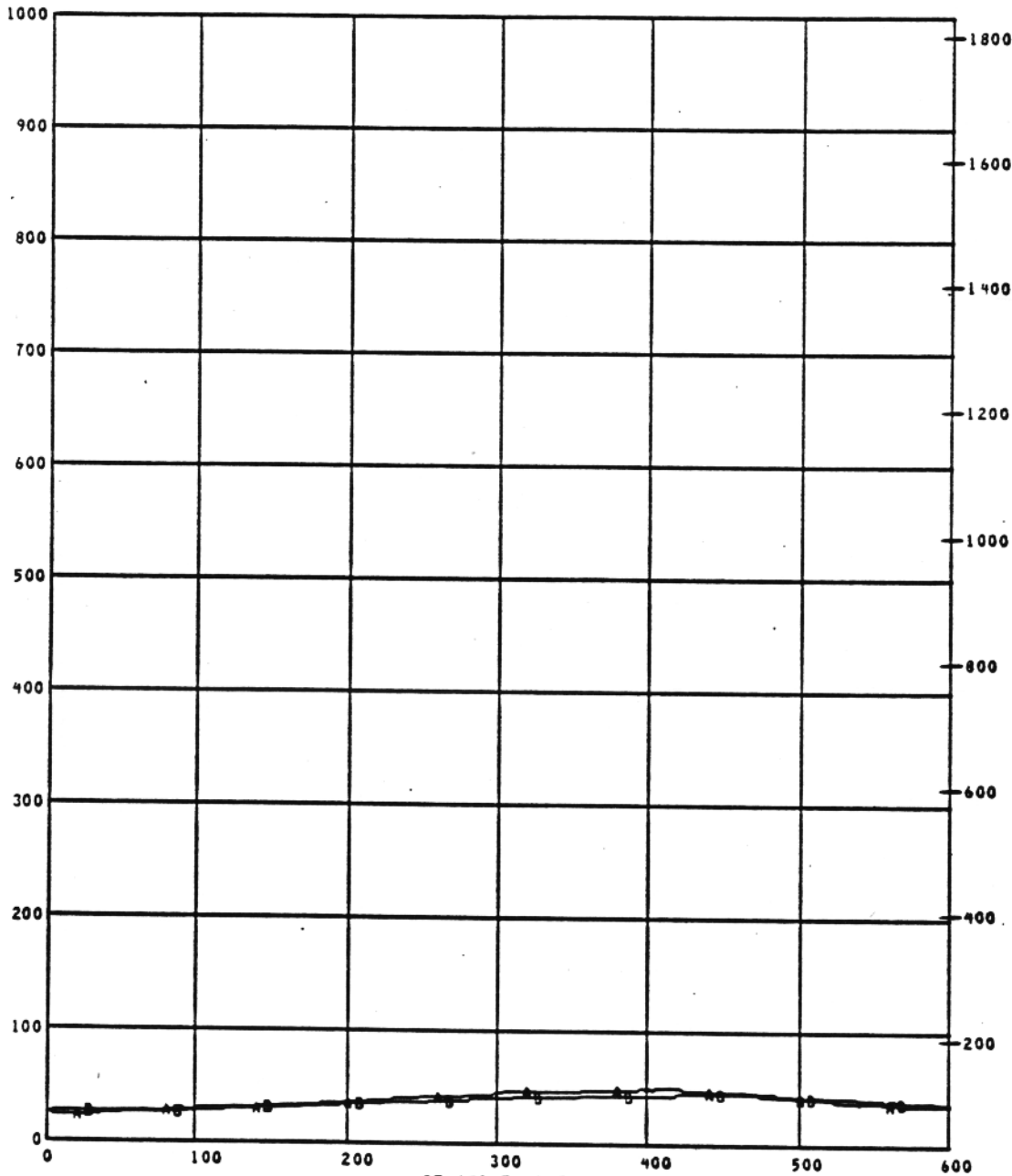
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 13 51 05.000



MEAS. NUMBER
\$ TRC
\$ TAQ

CHANNEL ASGN.
123
124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

RELATIVE TIME IN SEC

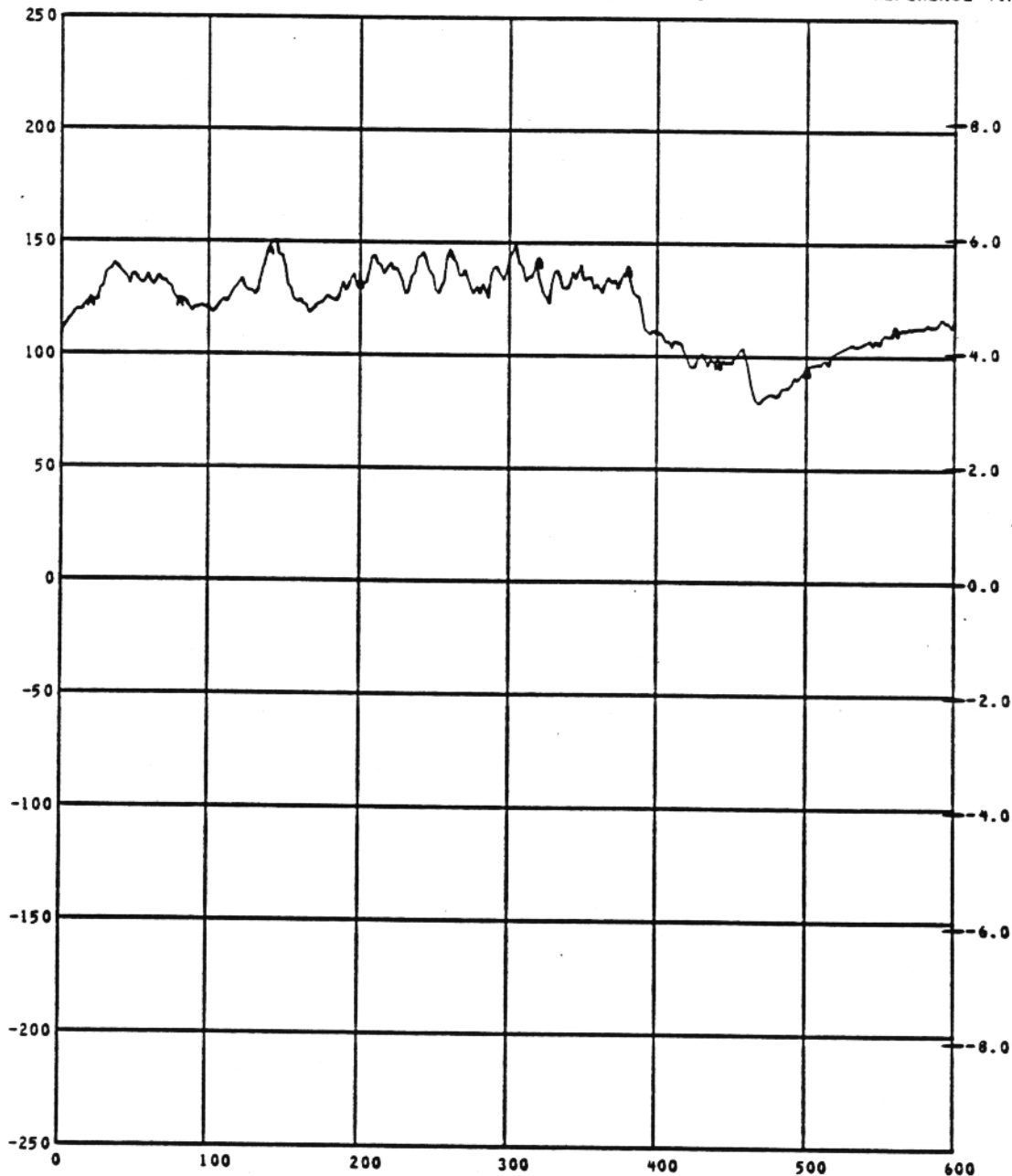
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 51 05.000



I
N
H
2
0

MEAS. NUMBER
s OPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

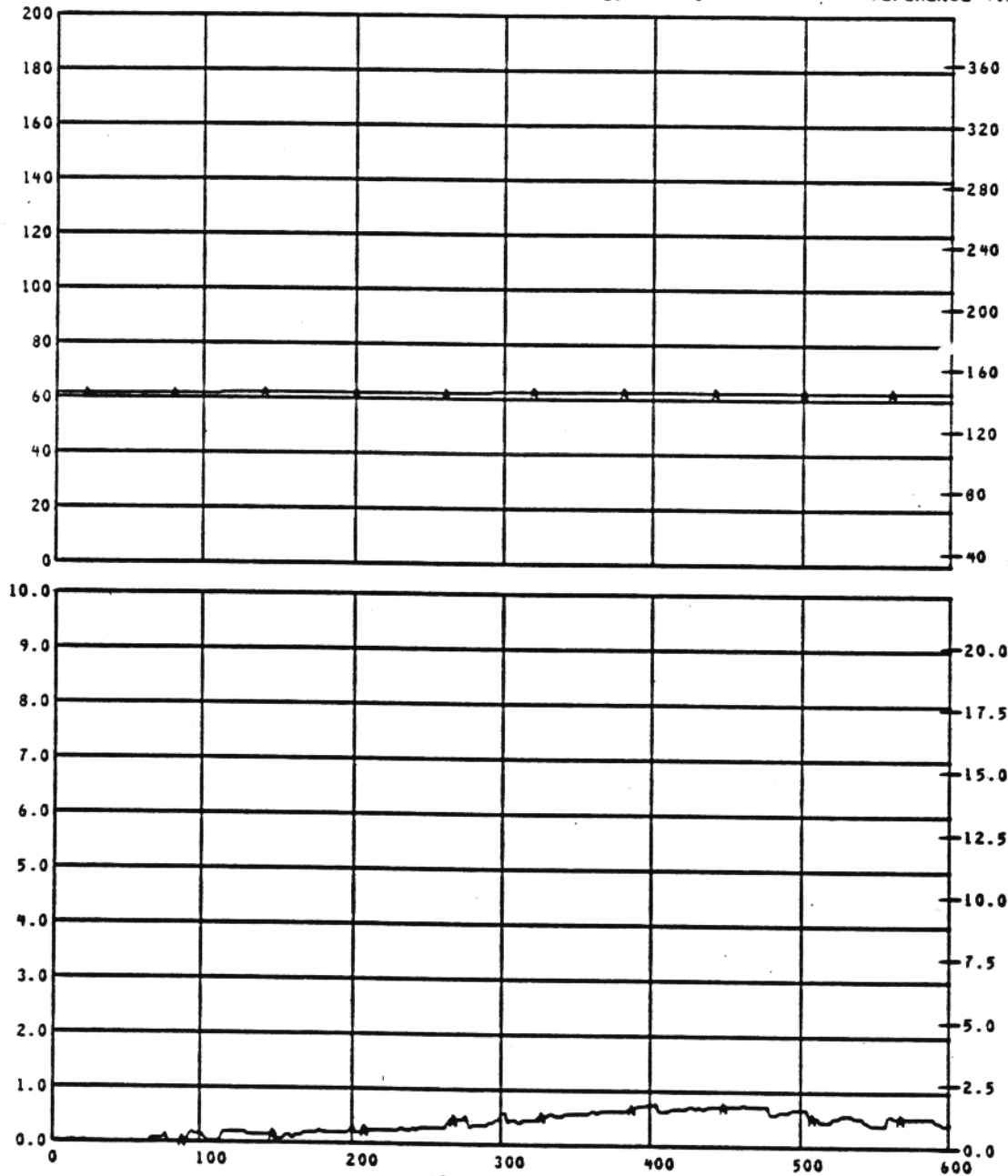
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

TEST ID NAS48

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 13 51 05.000



D
E
G
F

L
B
S

MEAS. NUMBER
s TLC
s WL

CHANNEL ASGN.
125
149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

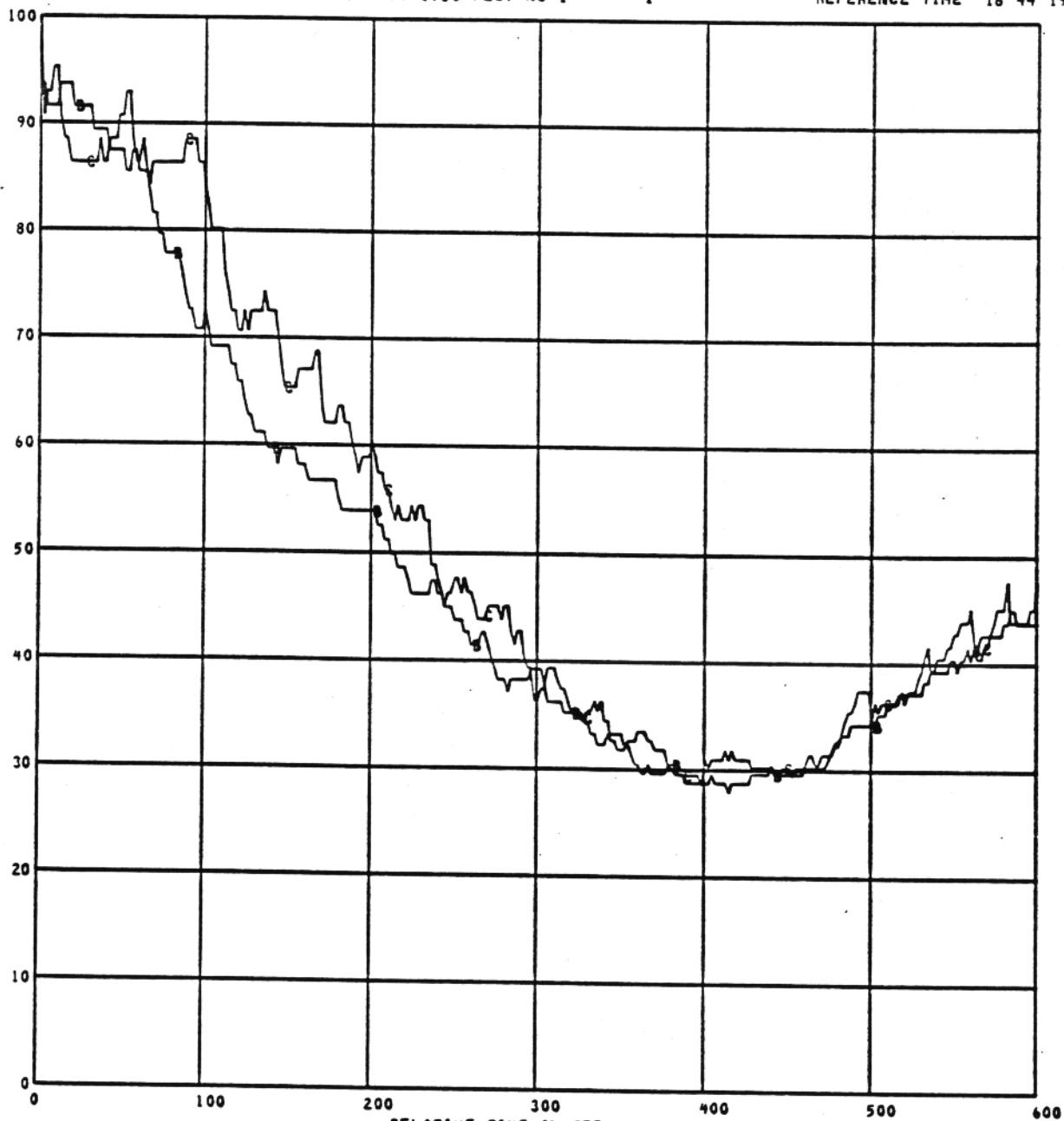
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 16 44 19.000

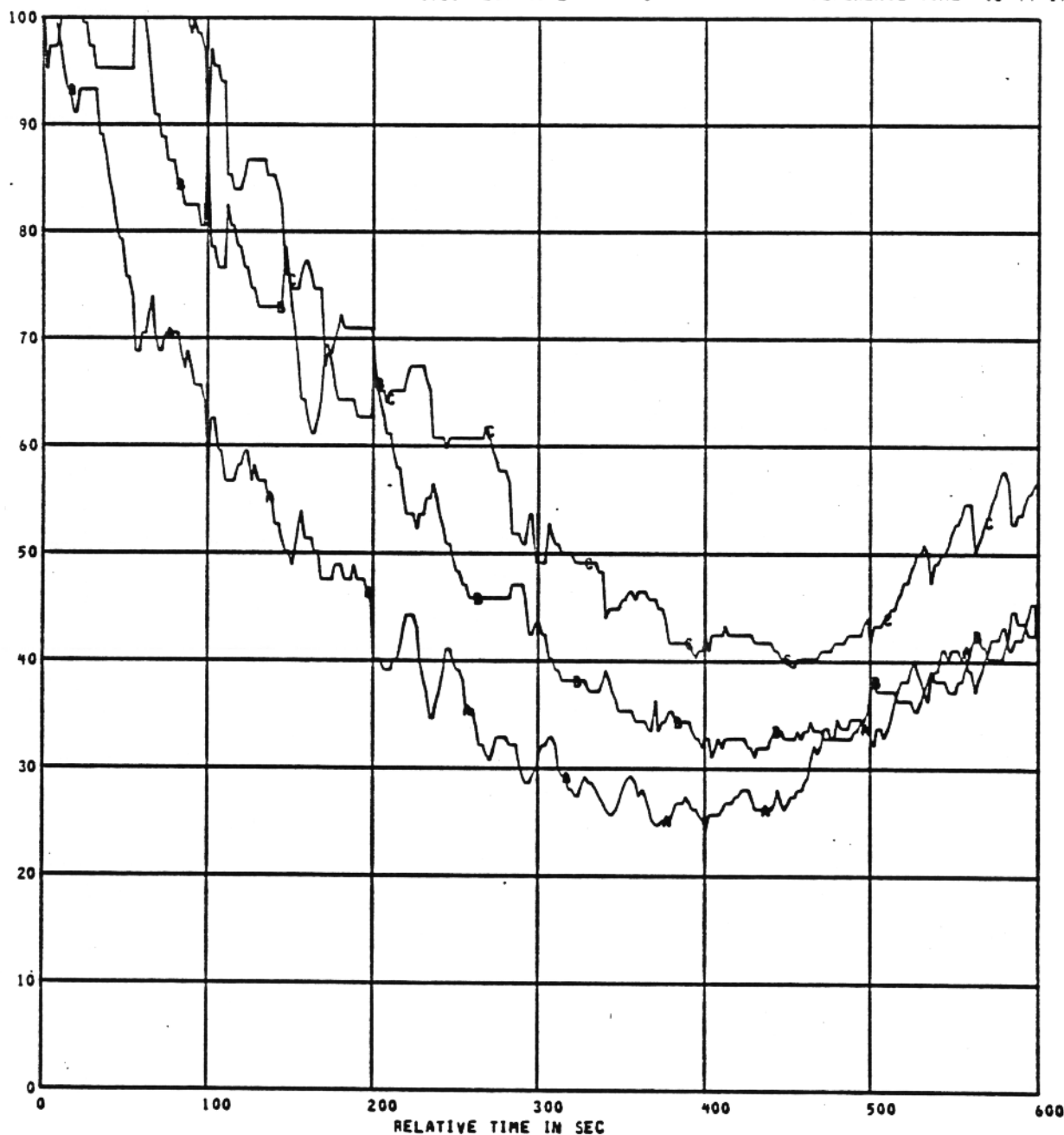


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 16 44 19.000

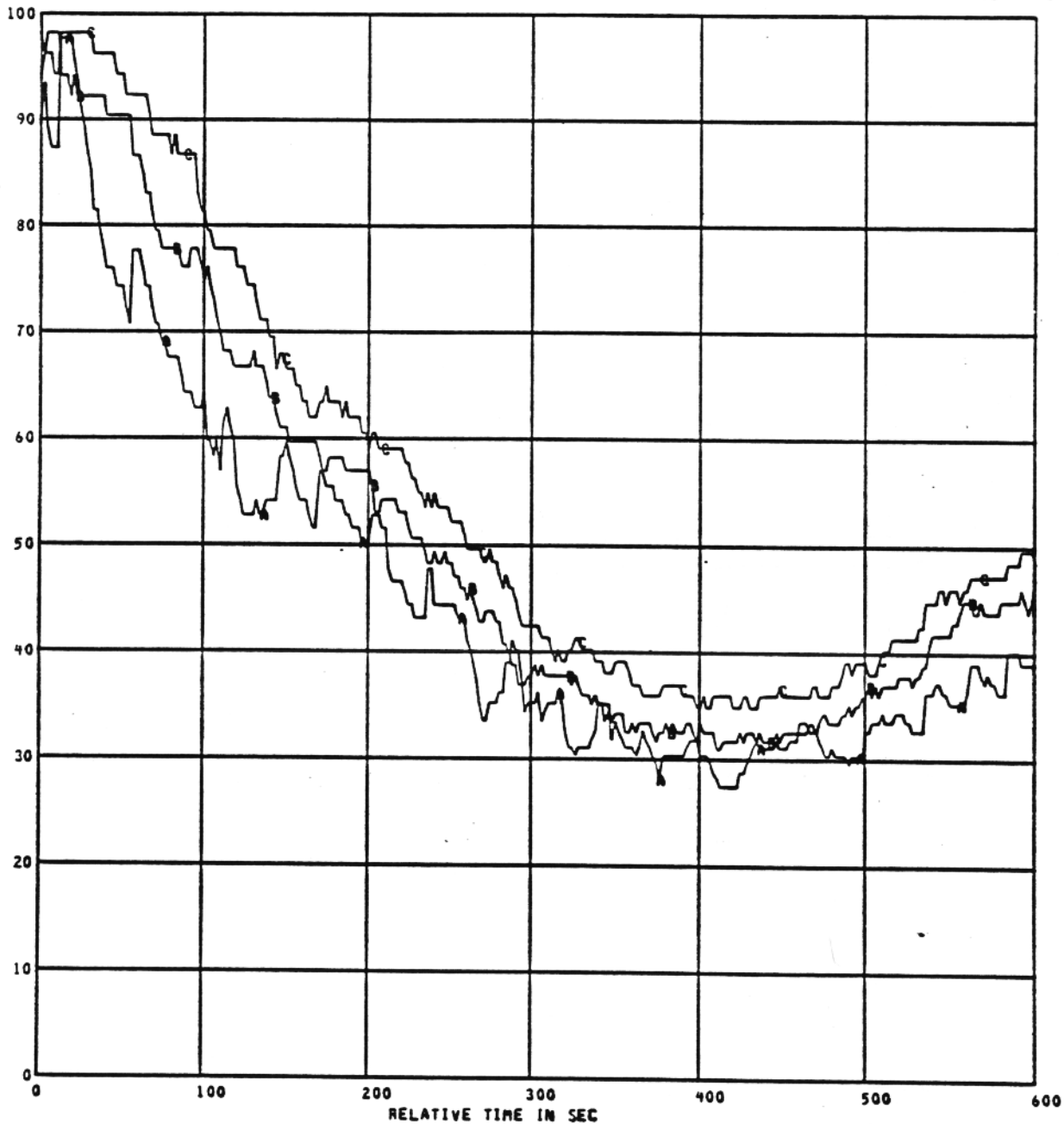


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 16 44 19.000

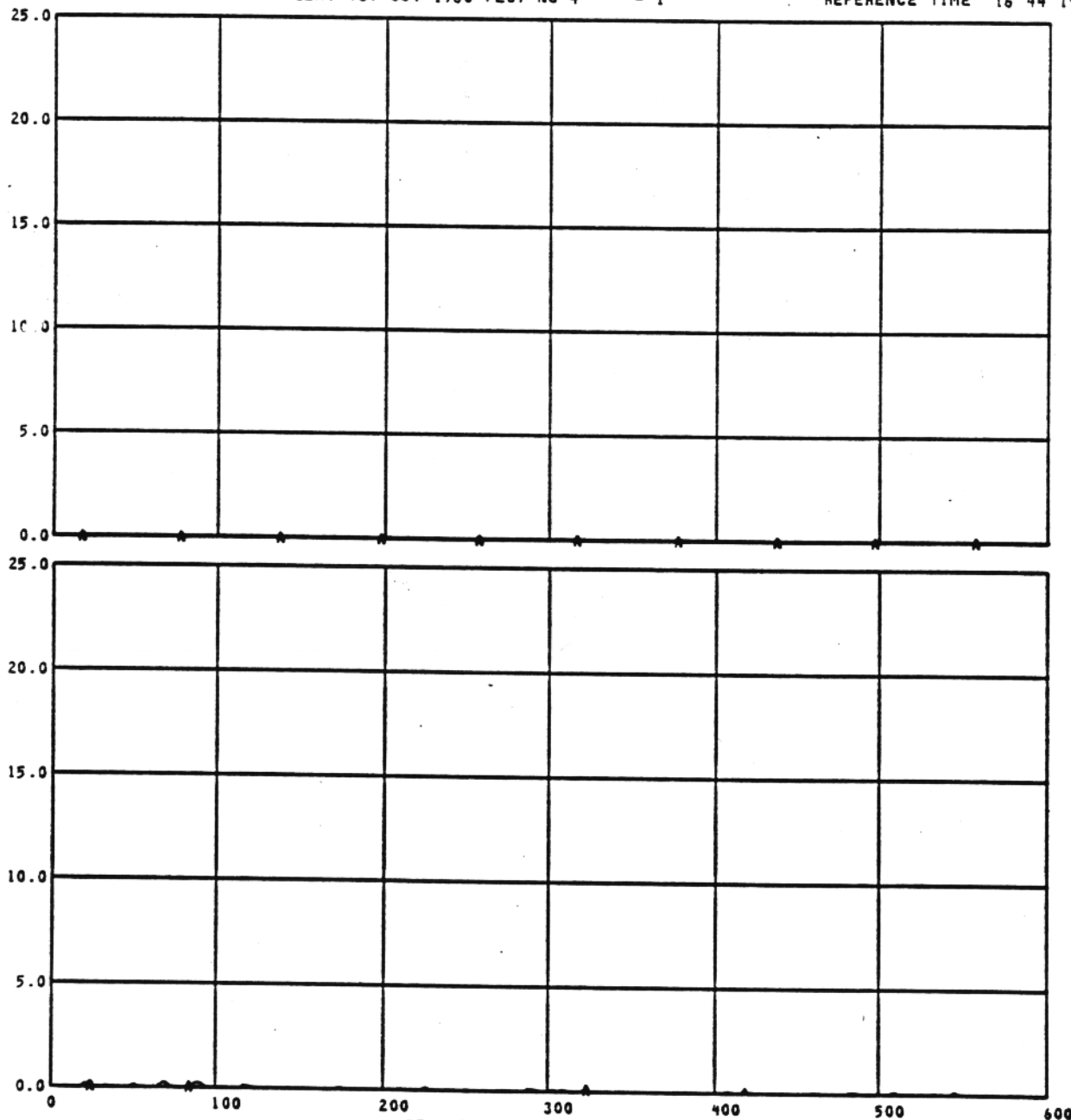


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PM2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PM3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 16 44 19.000

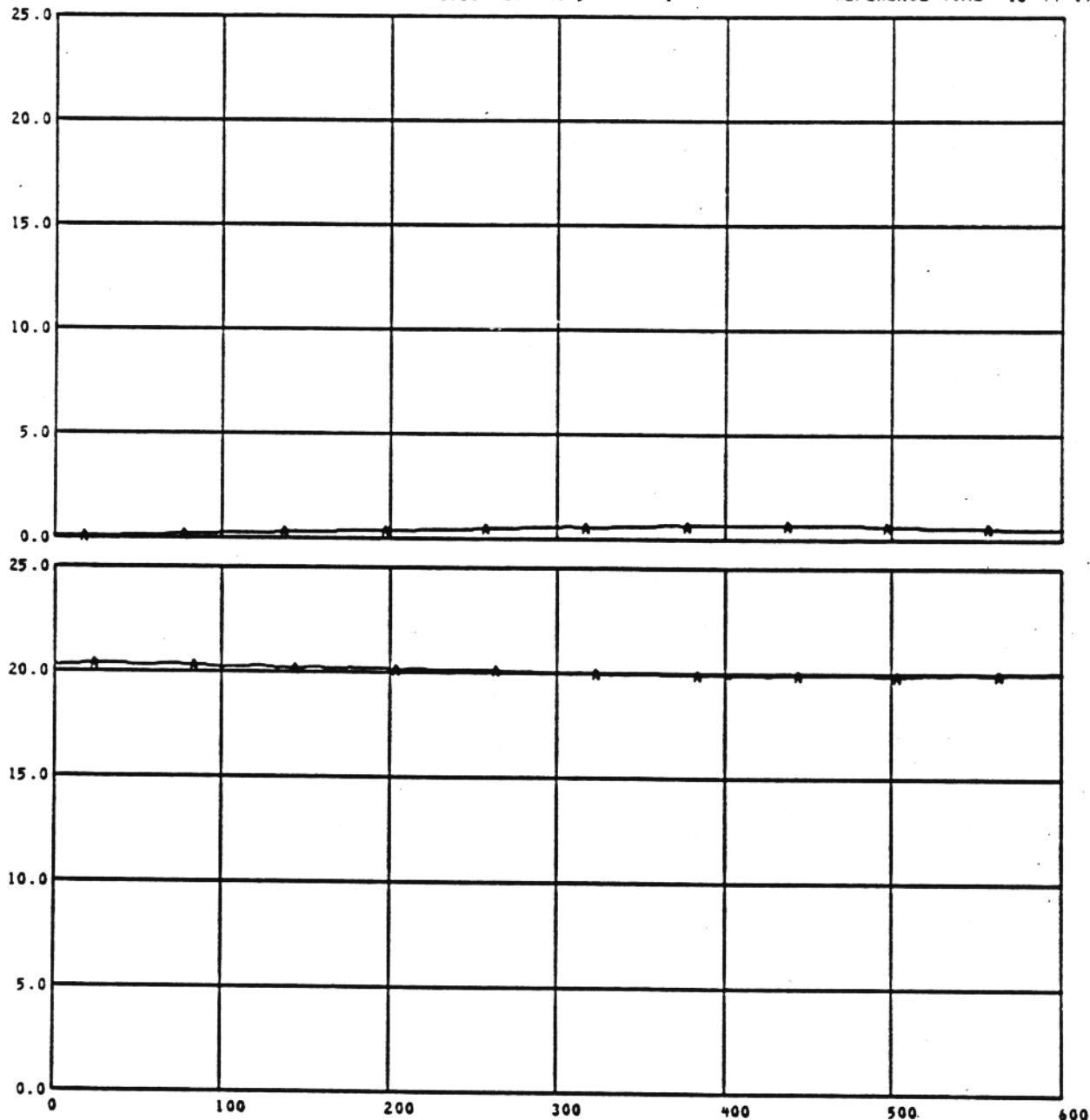


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 16 44 19.000



MEAS. NUMBER
CO2E
O2E

CHANNEL ASGN.
090
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

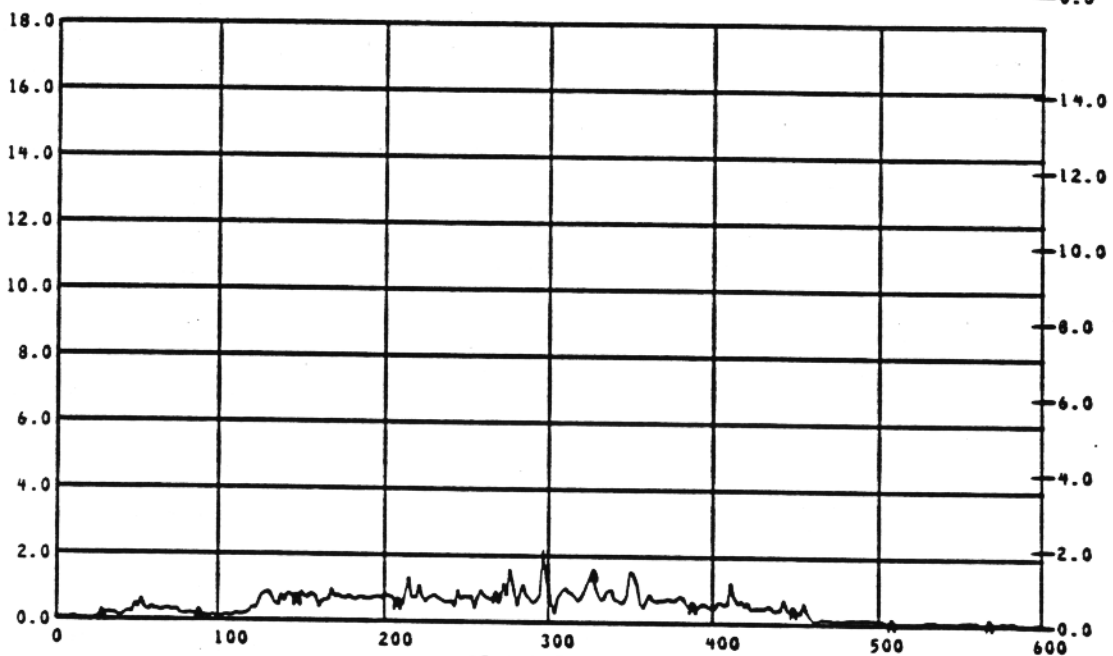
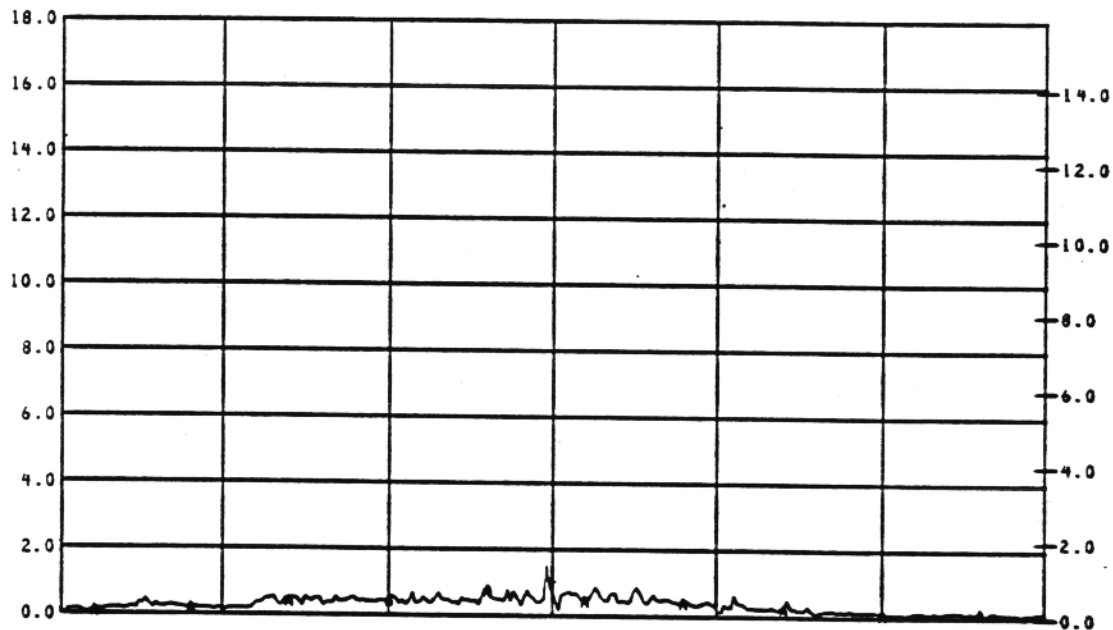
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 16 44 19.000

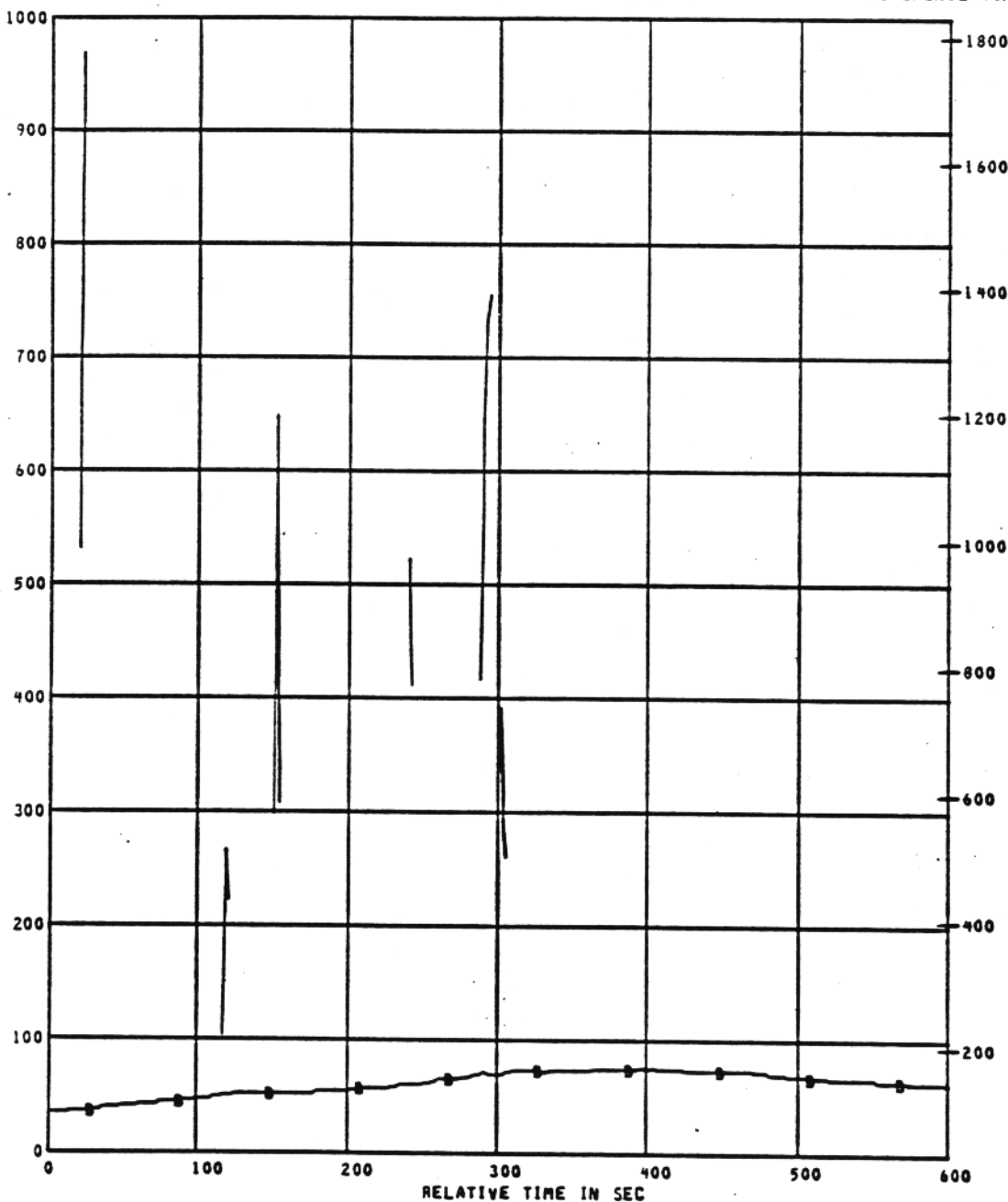


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
\$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
\$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 16 44 19.000



MEAS. NUMBER	CHANNEL ASGN.
* TSL1	101
* TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

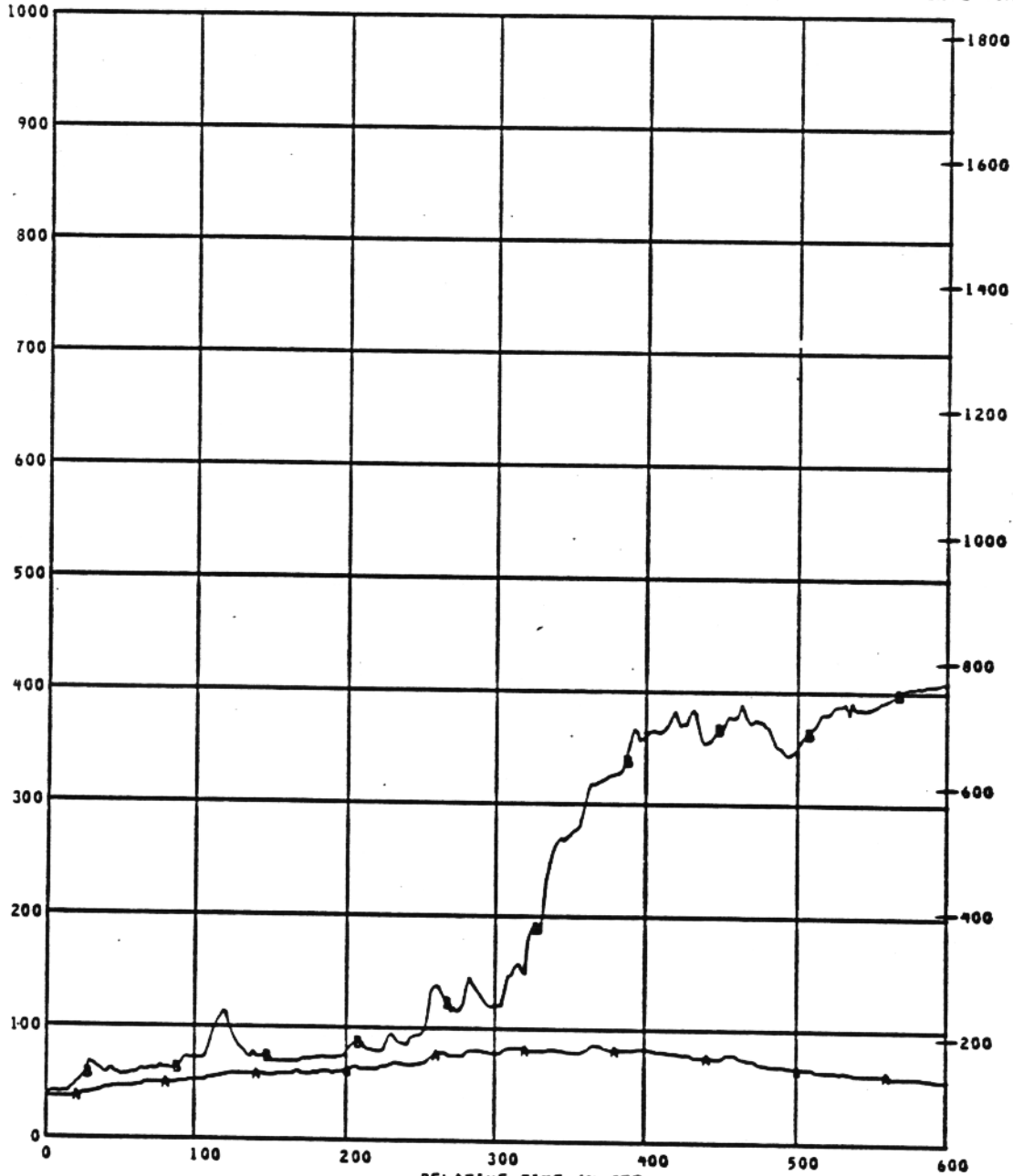
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 16 44 19.000



MEAS. NUMBER
\$ TSL3
\$ TSC1

CHANNEL ASGN.
103
104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

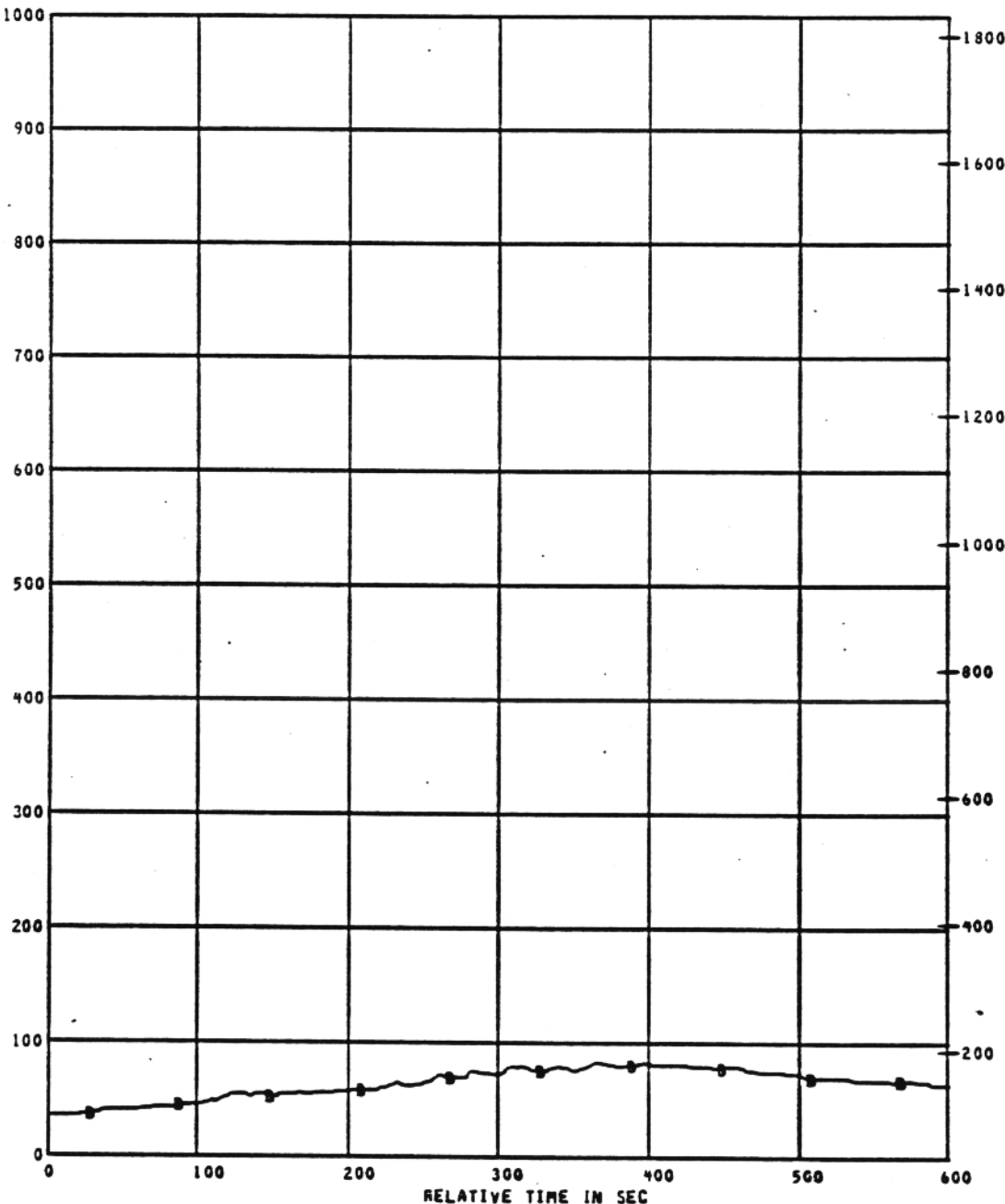
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 16 44 19.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TSC2	105
\$ TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

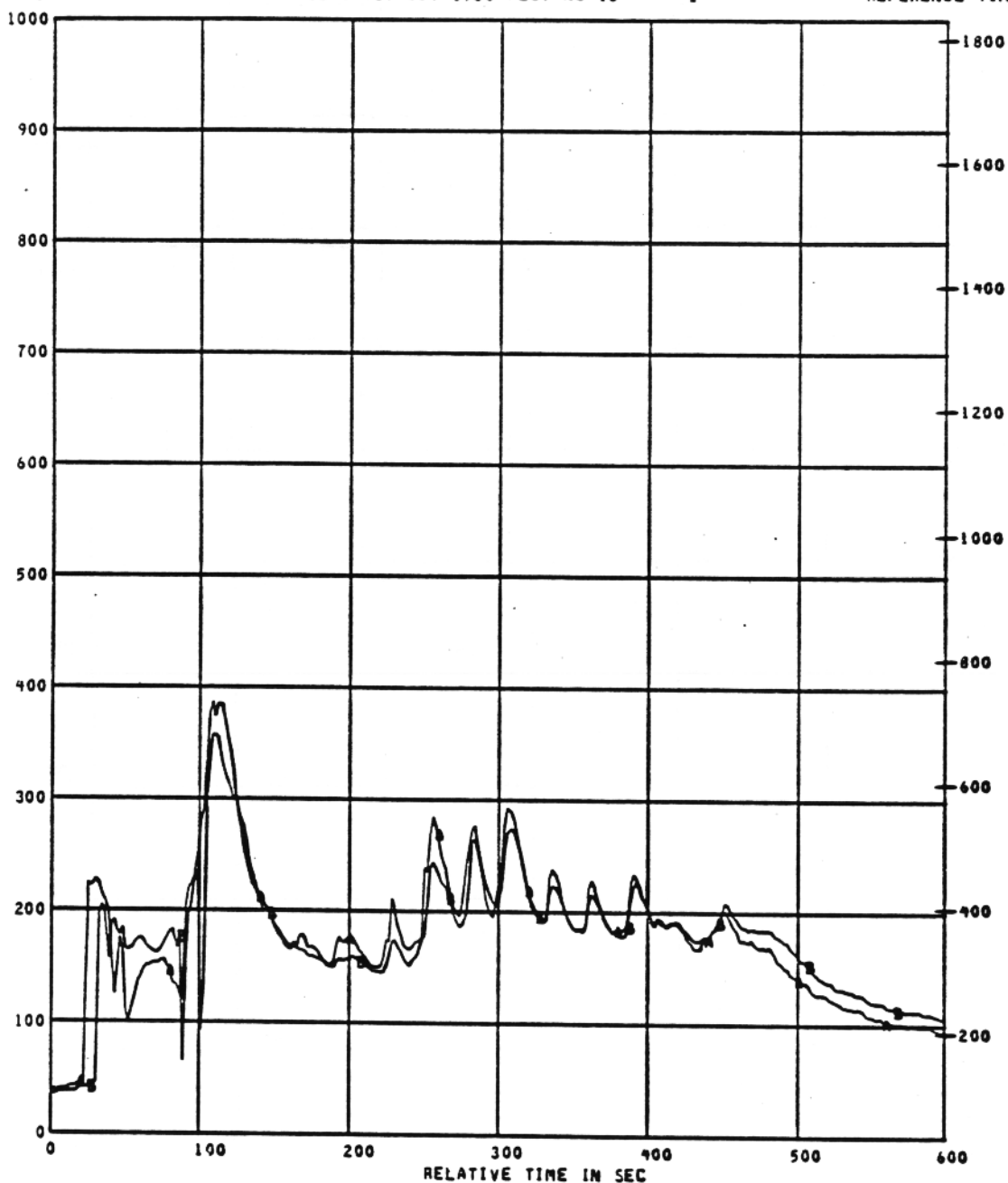
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 16 44 19.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSR1	107
\$ TSR2	108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

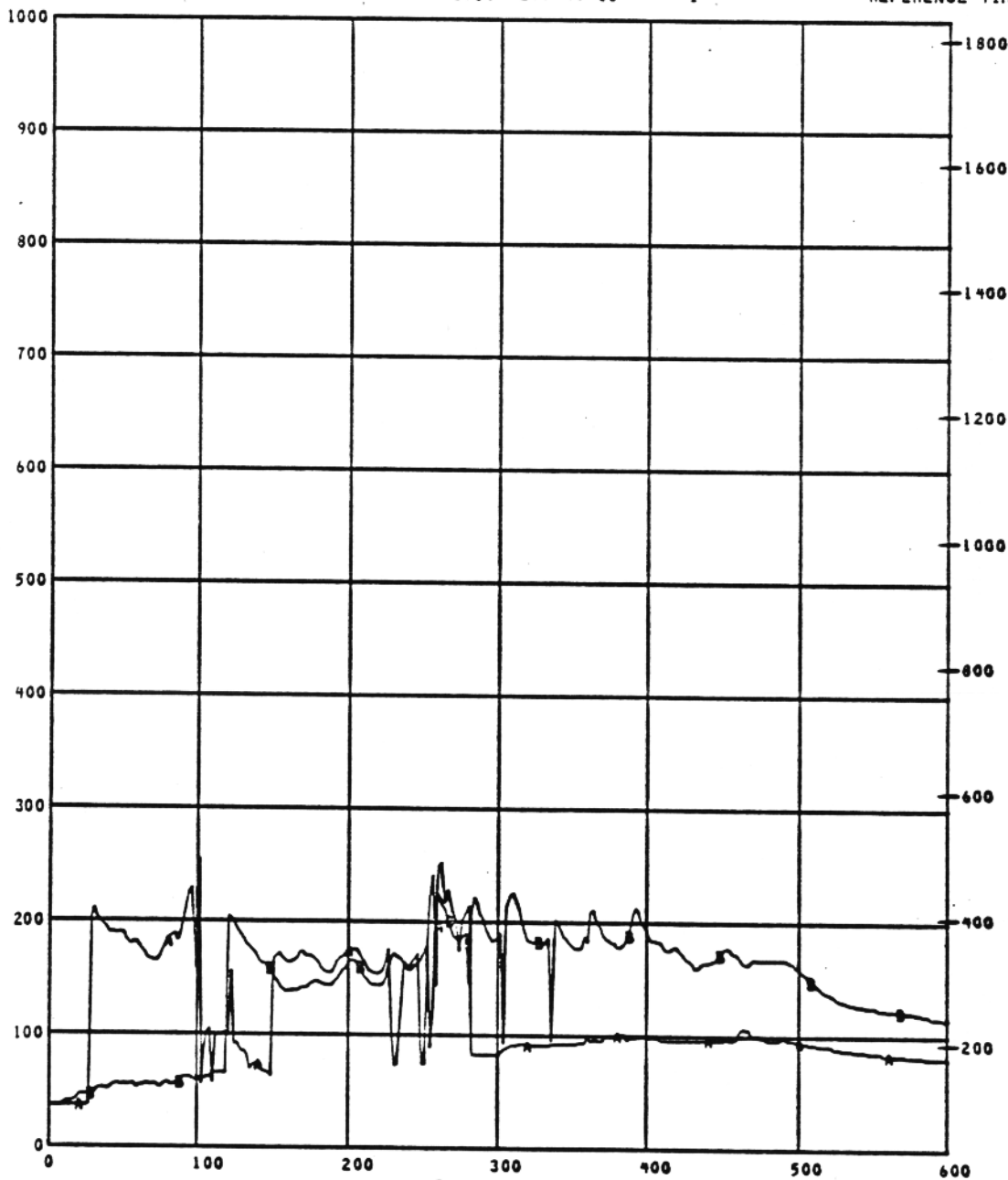
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 16 44 19.000



D
E
G
F

MEAS. NUMBER CHANNEL ASGN.
 \$ TSR3 109
 \$ TBL1 110

TITLE
 TEMP-SEAT RIGHT REAR
 TEMP-BACK LEFT BOTTOM

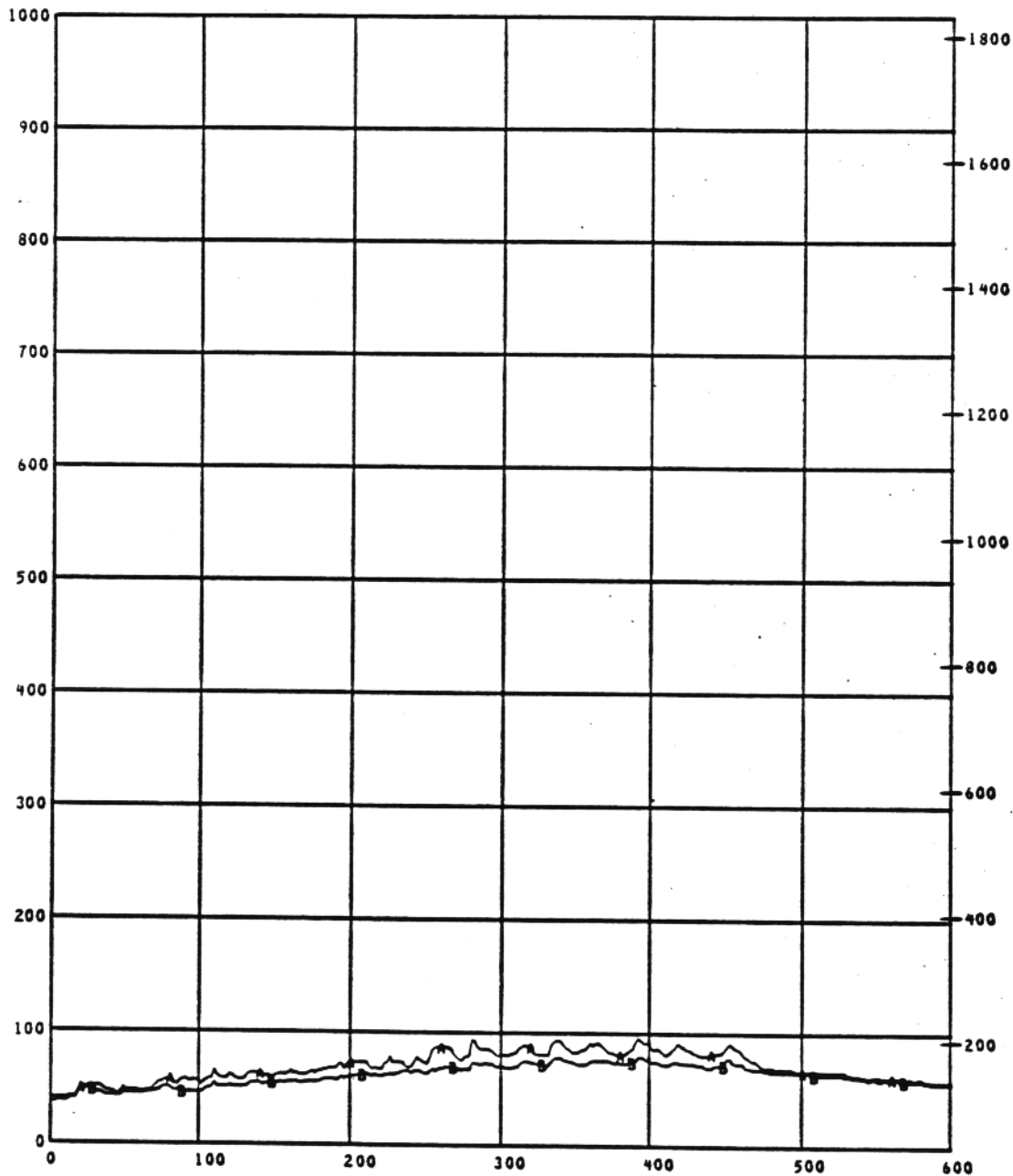
RANGE
 0 TO 1000
 0 TO 1000

UNITS GRID-SYM
 DEG C AA
 DEG C AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 16 44 19.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBL2	111
\$ TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

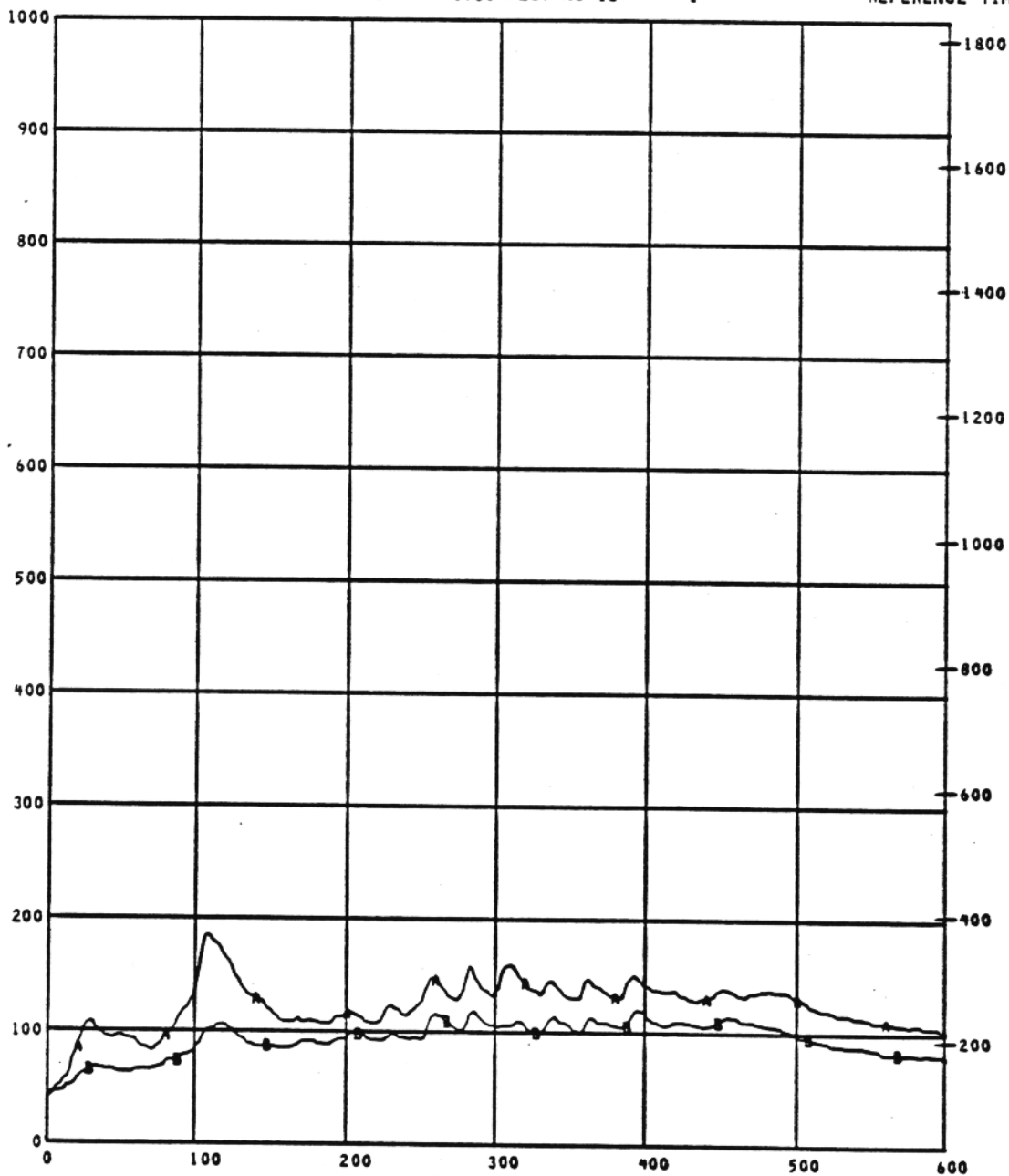
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 16 44 19.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBC1	113
\$ TBC2	114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

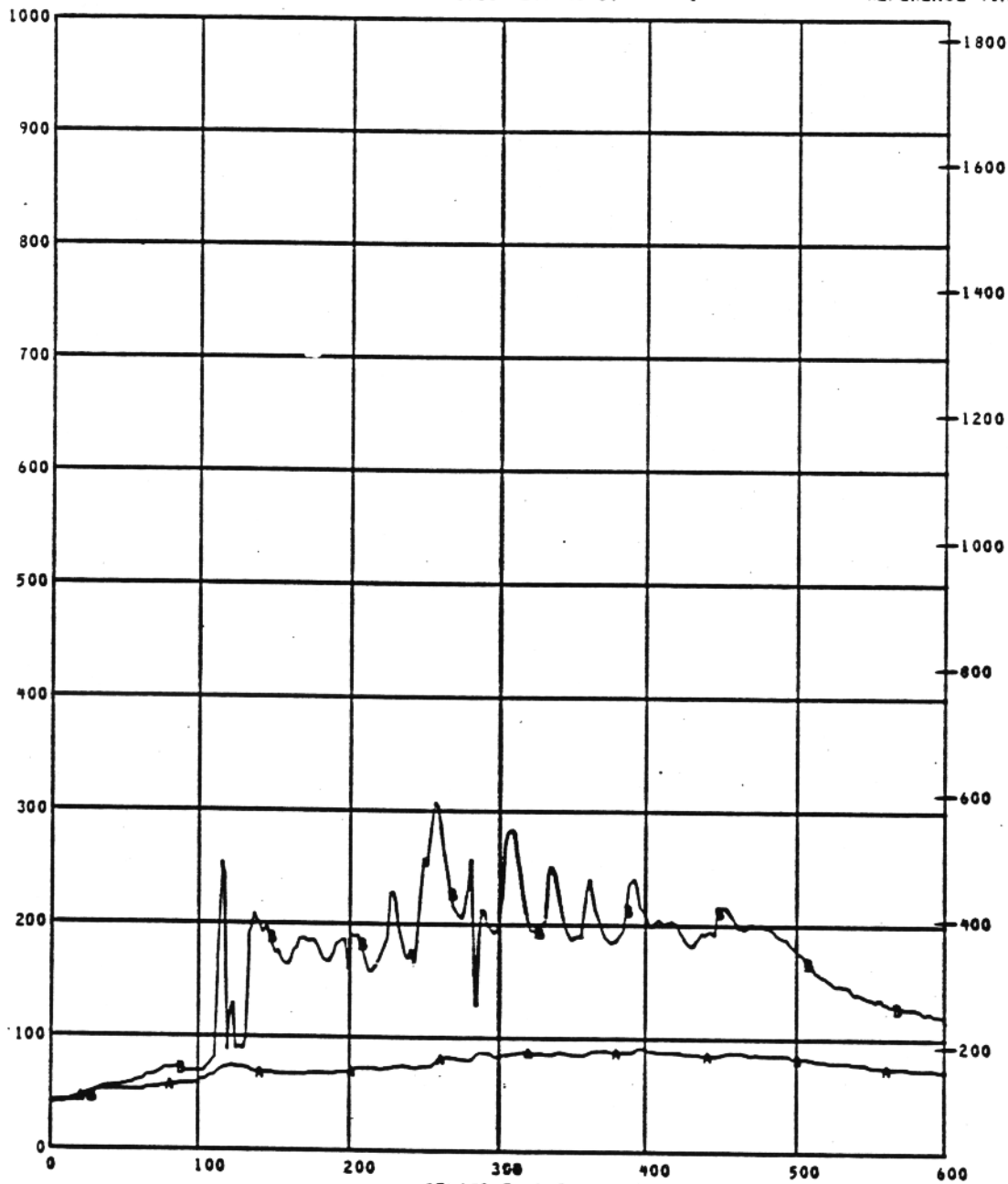
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS58

SEAT TST-OCT 1980 FLCT NO 14 - 1

REFERENCE TIME 16 44 19.000



D
E
G
F

MEAS. NUMBER
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

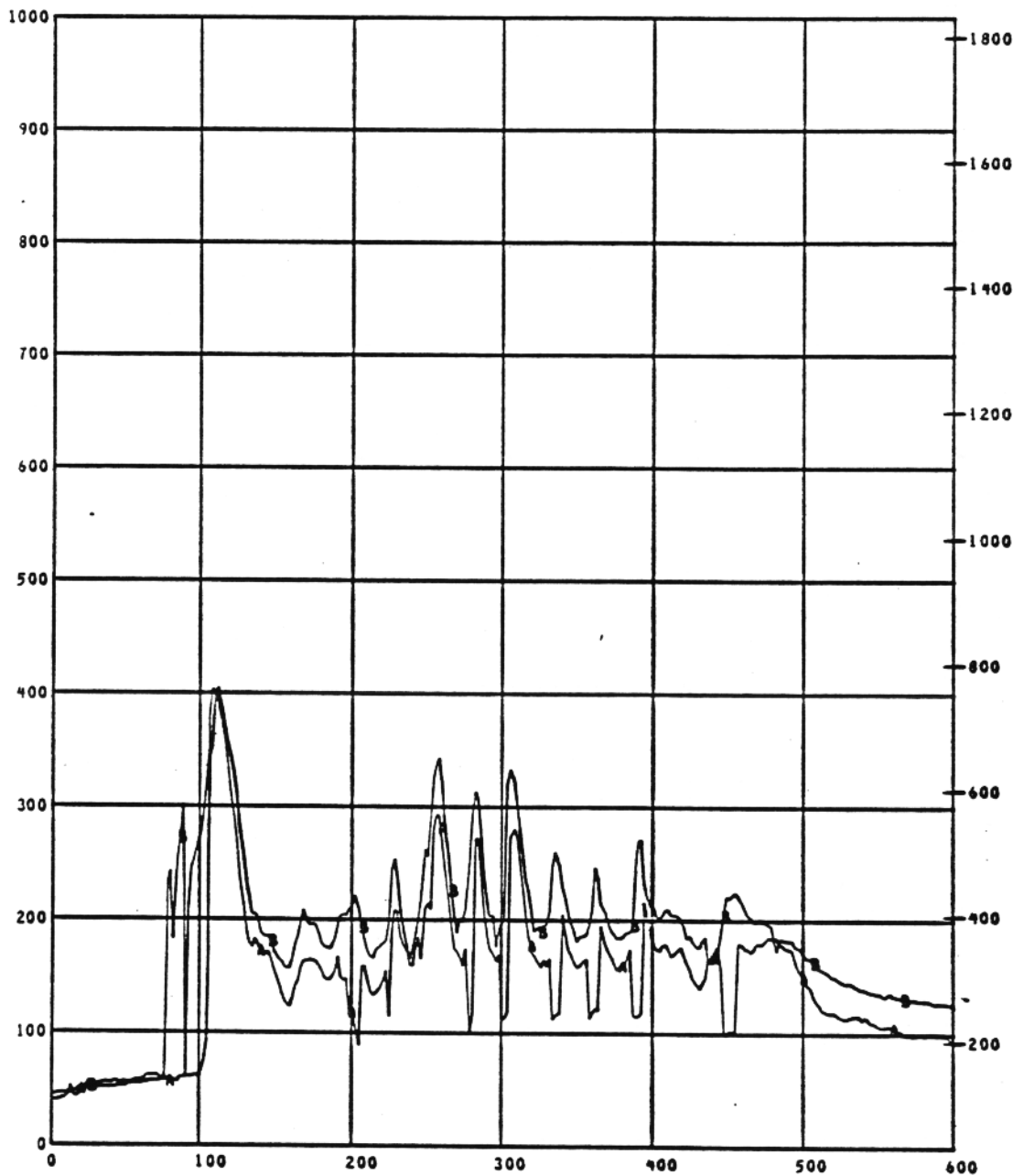
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 16 44 19.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBR2	117
\$ TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

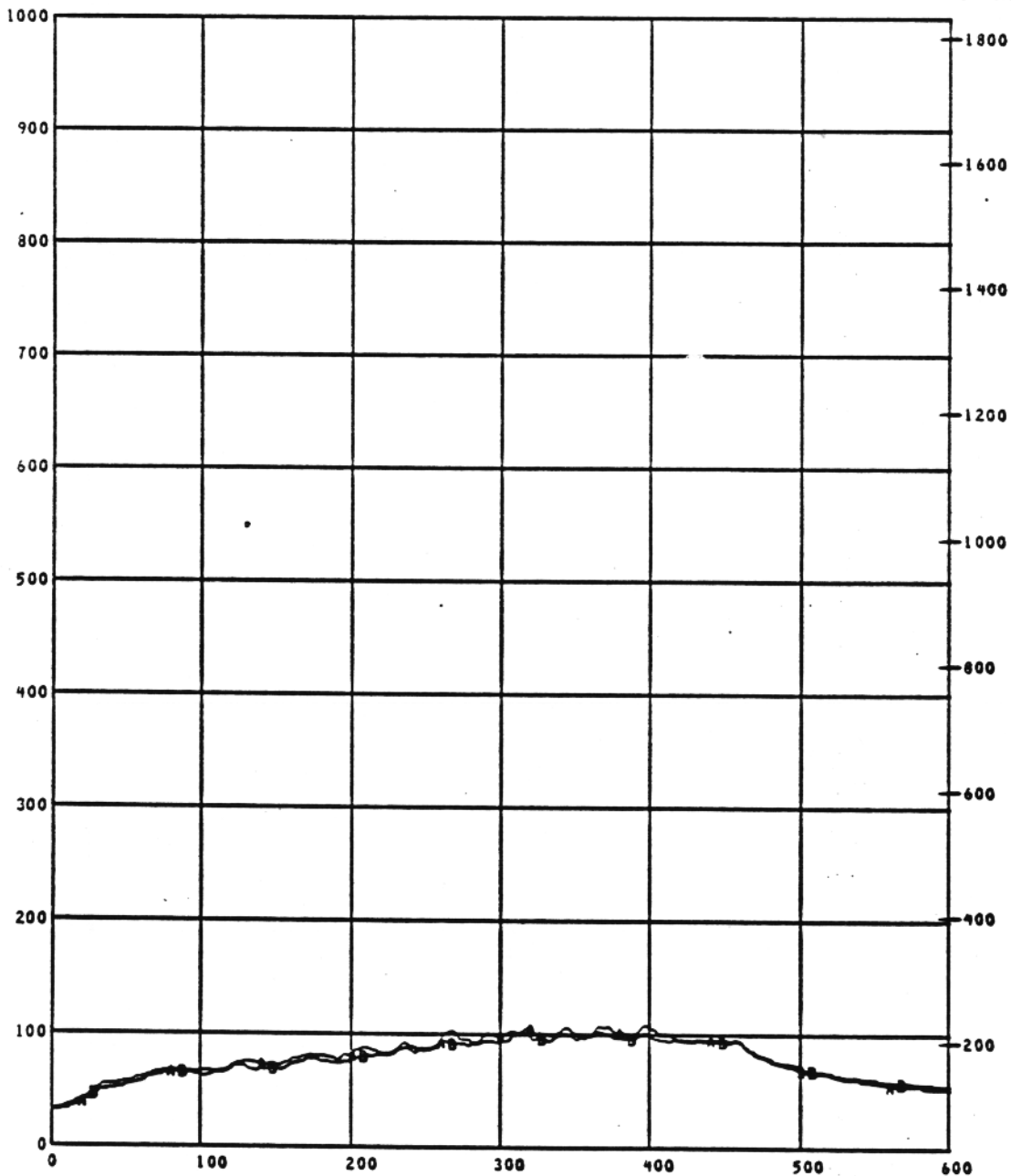
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 16 44 19.000

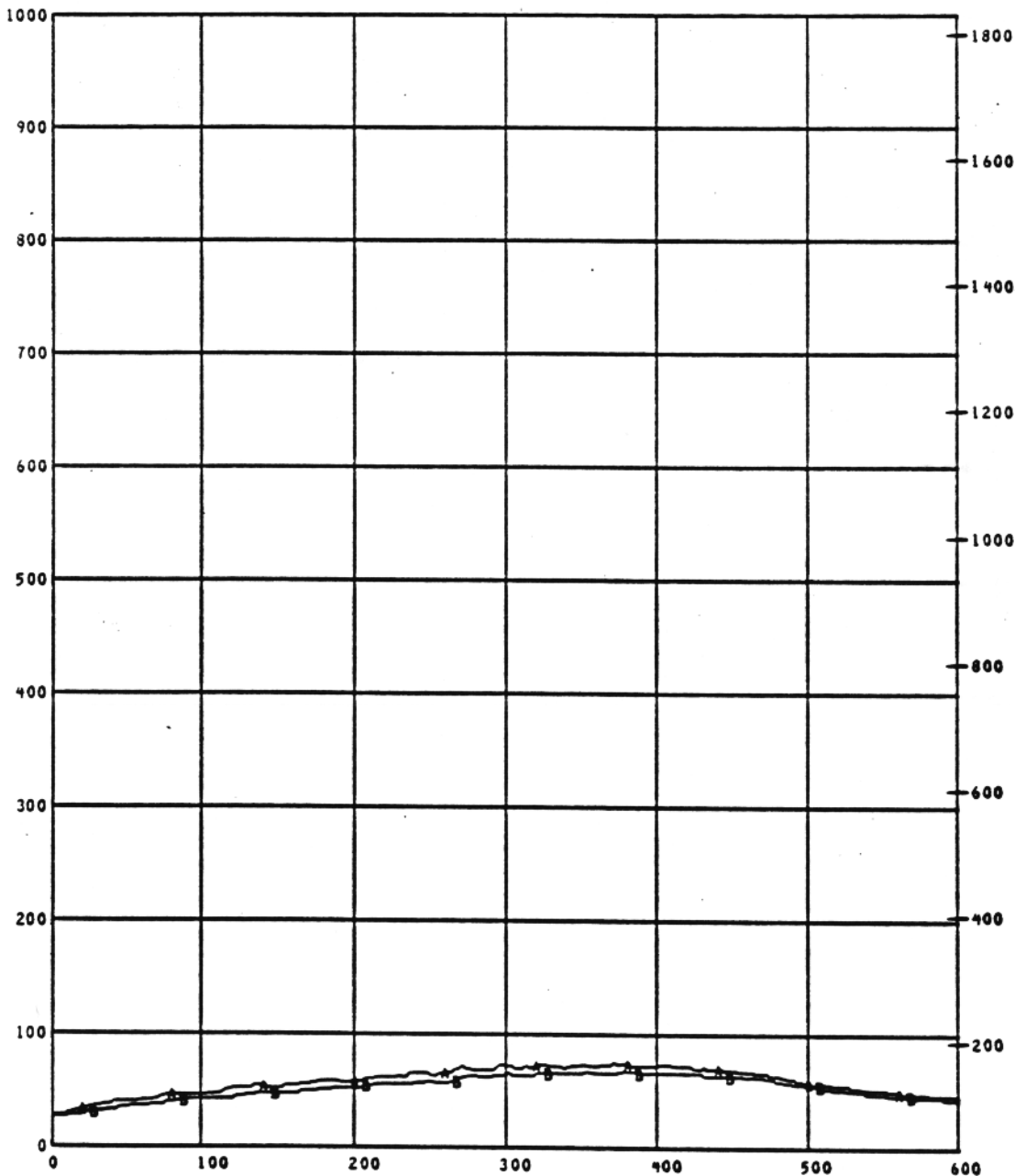


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
\$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 16 44 19.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

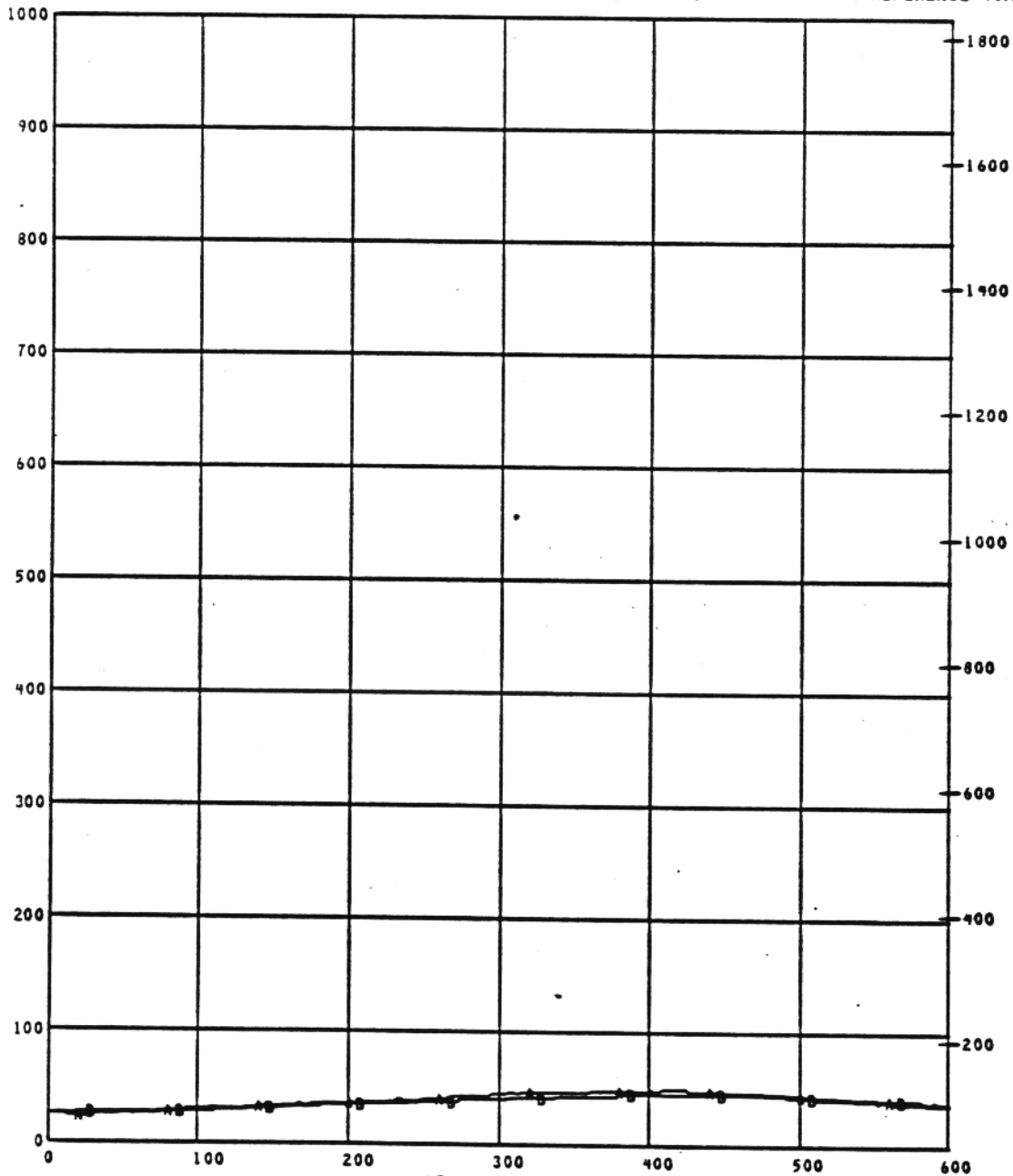
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS5B

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 16 44 19.000



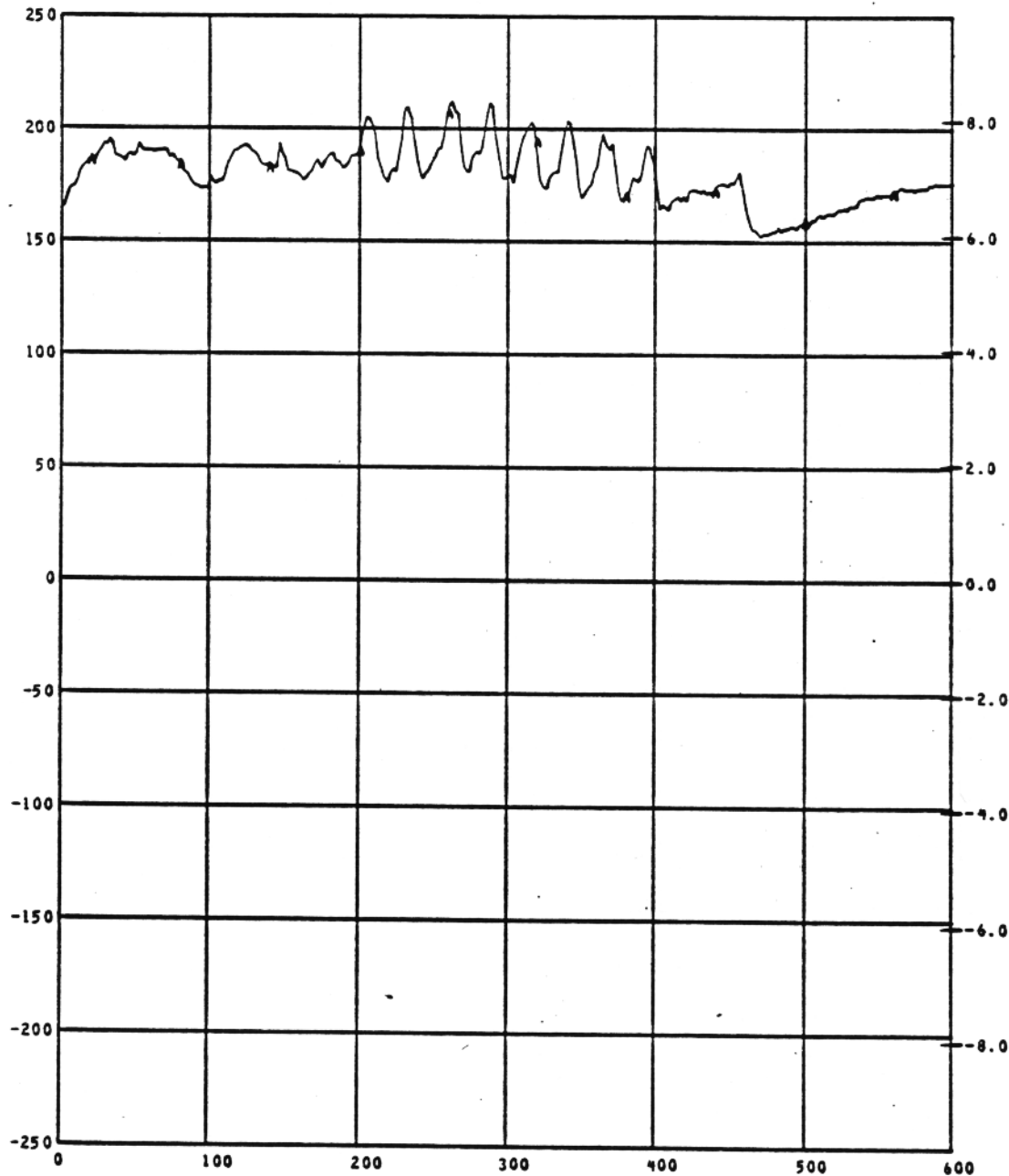
D
E
G
F

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 1980 PLOT NO 19 - 1

REFERENCE TIME 16 44 19.000



MEAS. NUMBER
3 DPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

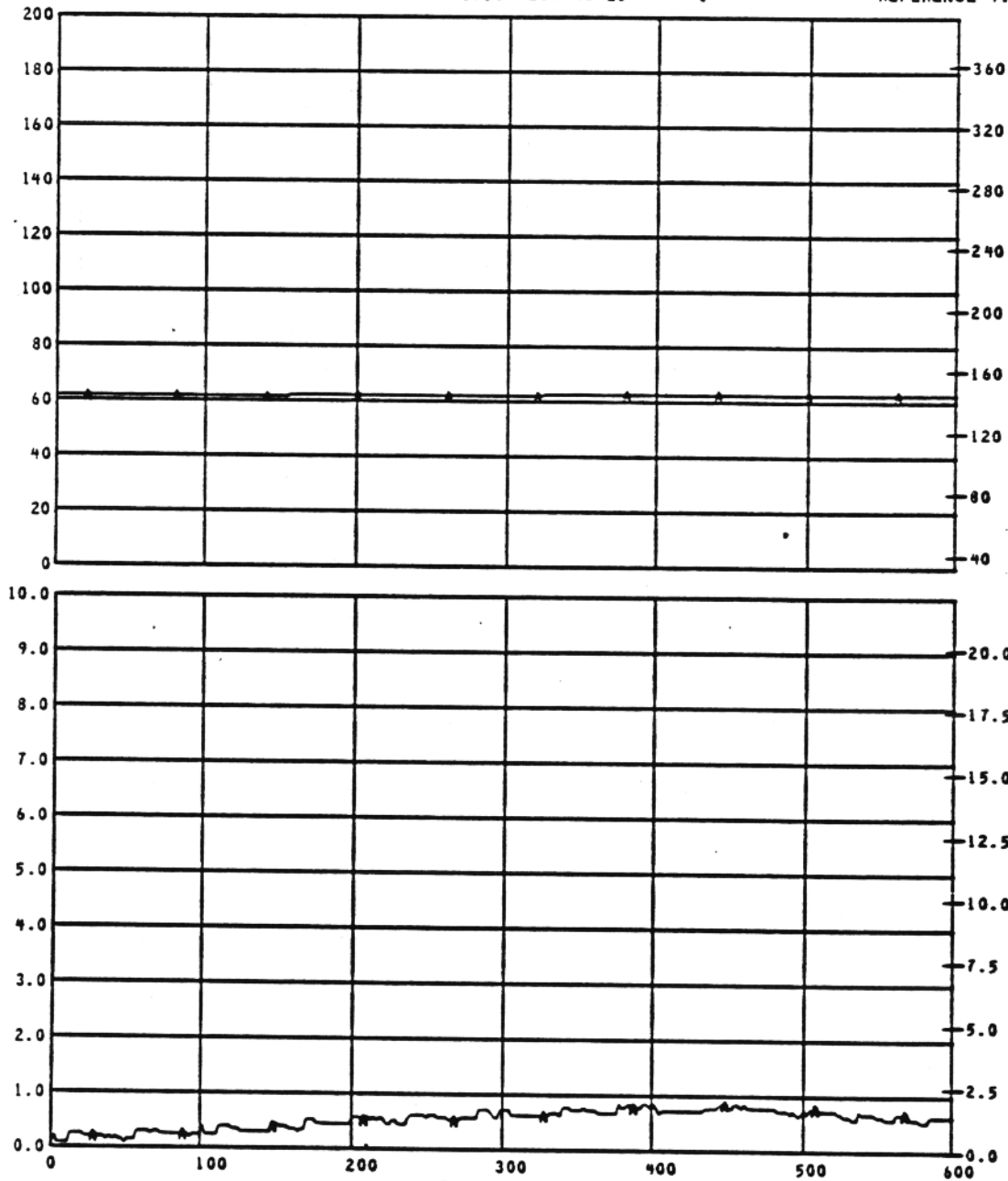
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

TEST ID NAS58

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 16 44 19.000



D
E
G
F

L
B
S

MEAS. NUMBER
\$ TLC
\$ WL

CHANNEL ASGN.
125
149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

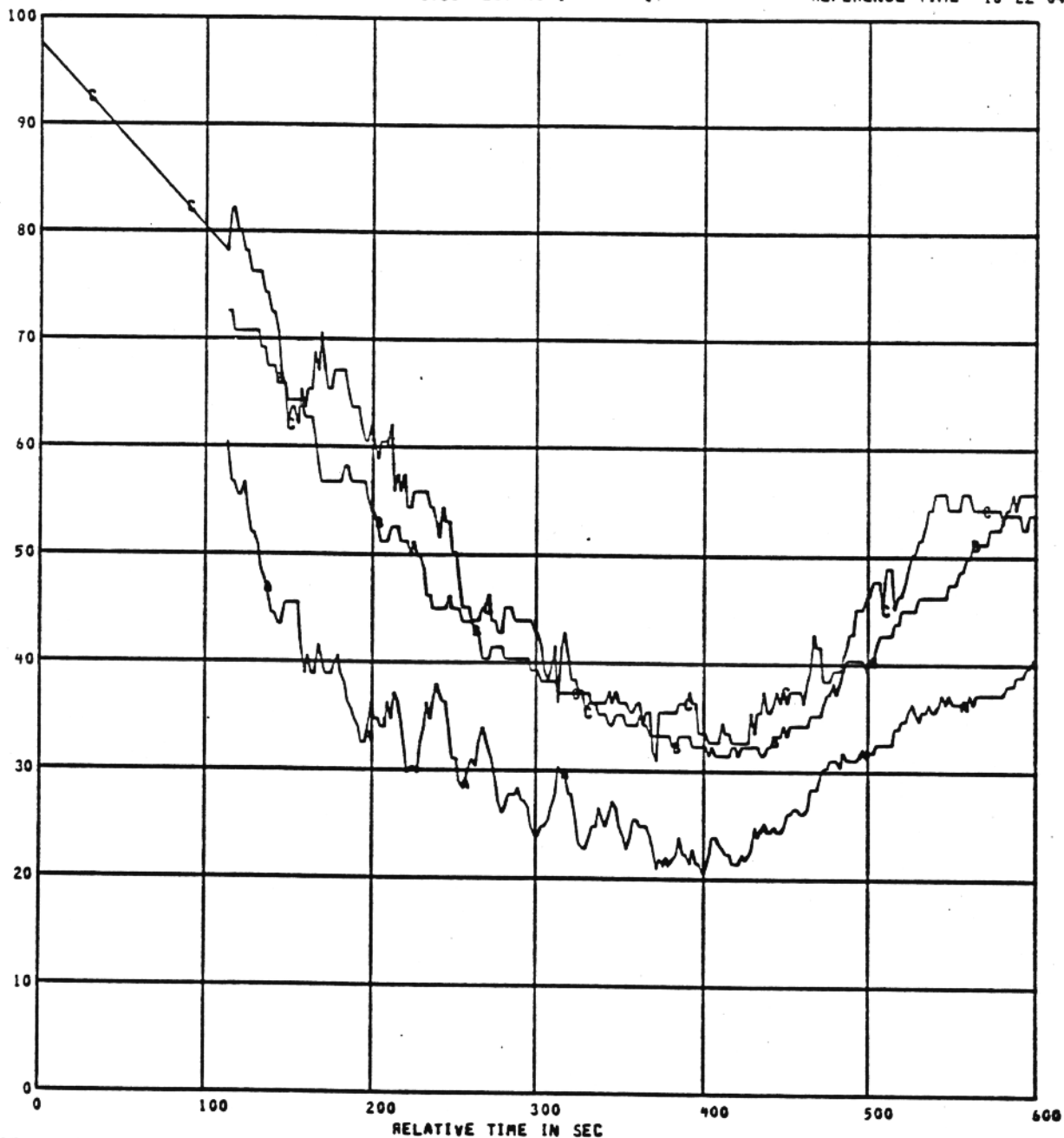
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 1 - 1.

REFERENCE TIME 10 22 04.000

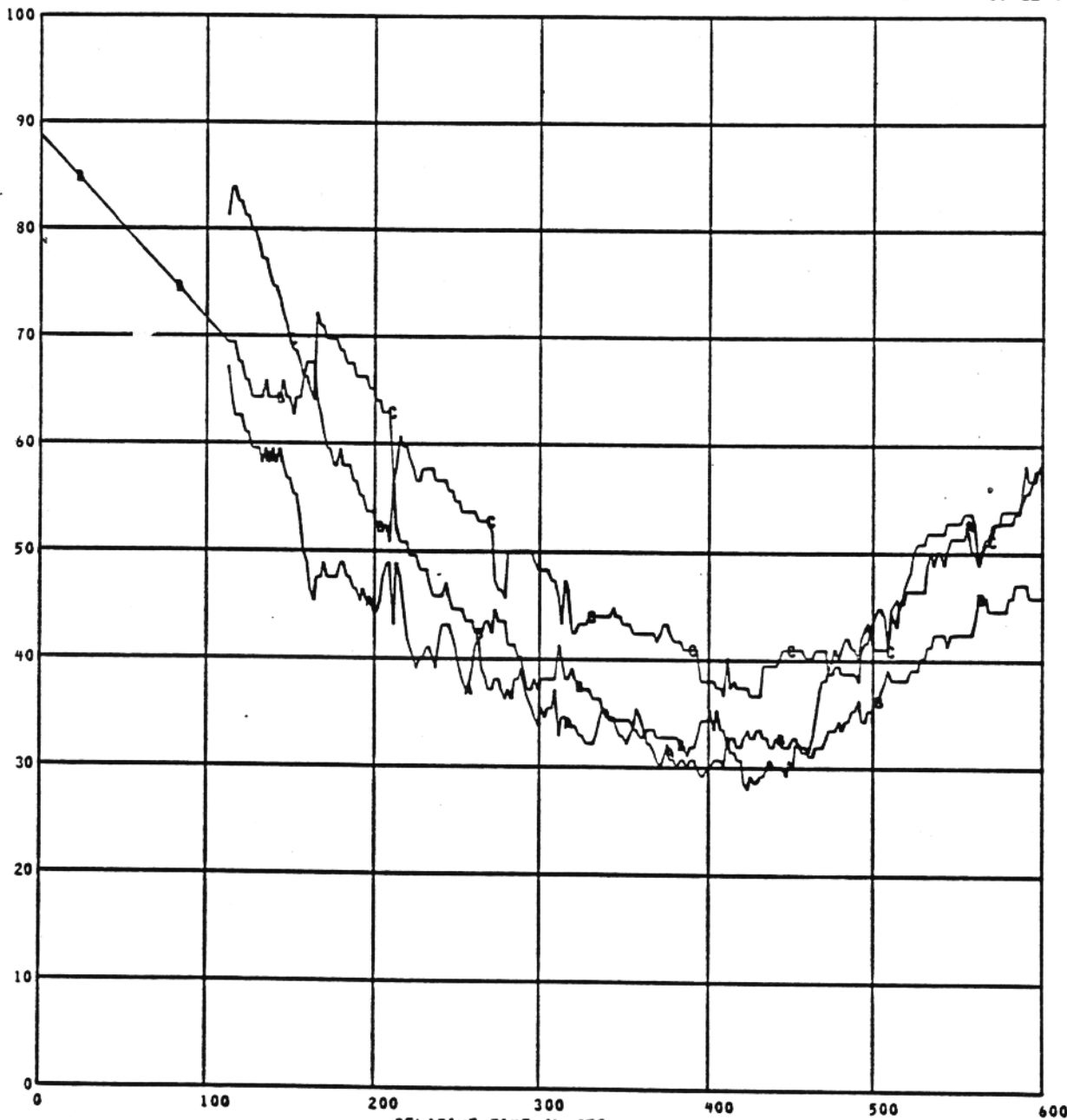


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 22 04.000

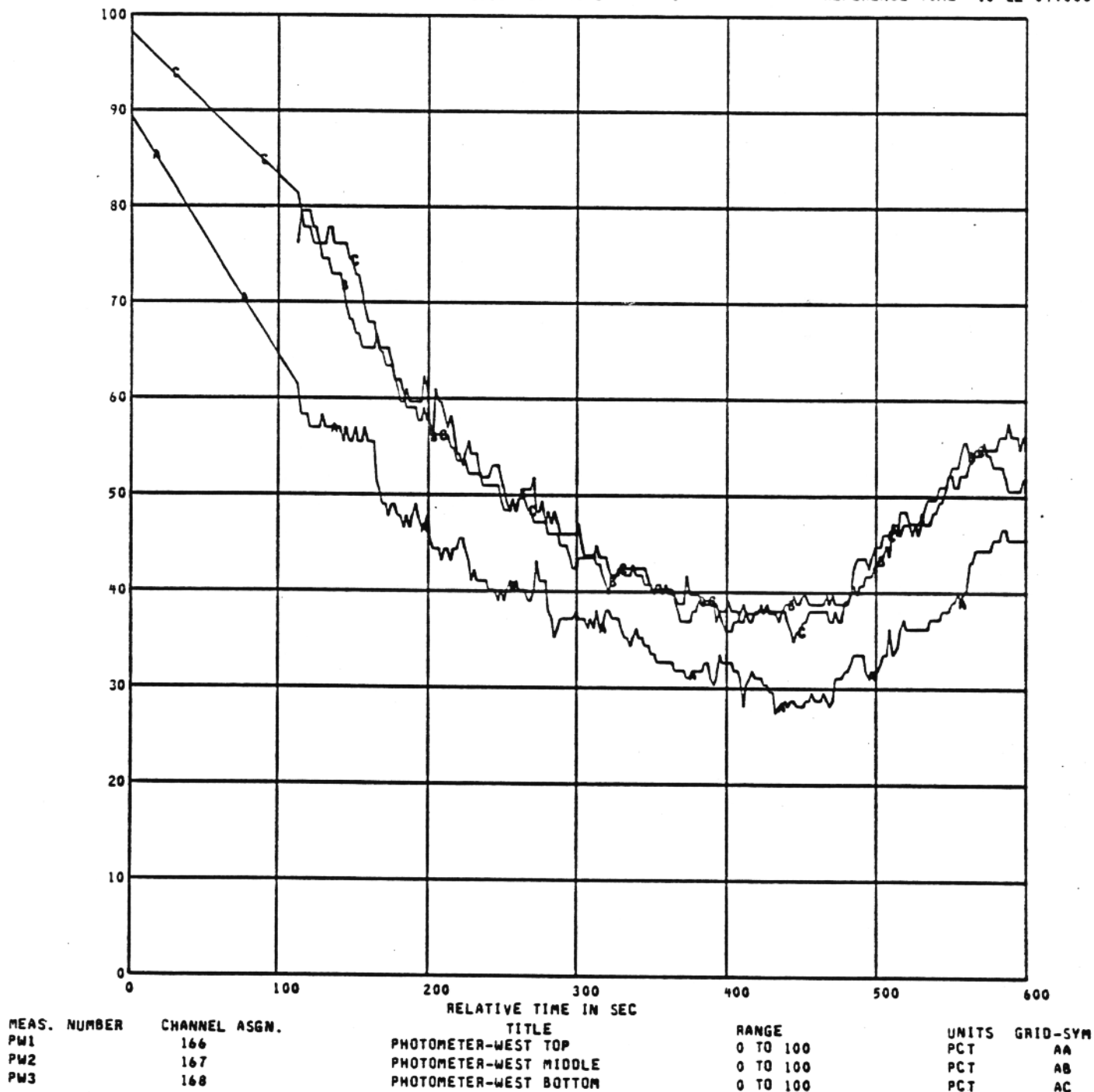


REAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PR1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PR2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PR3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 3 - 1

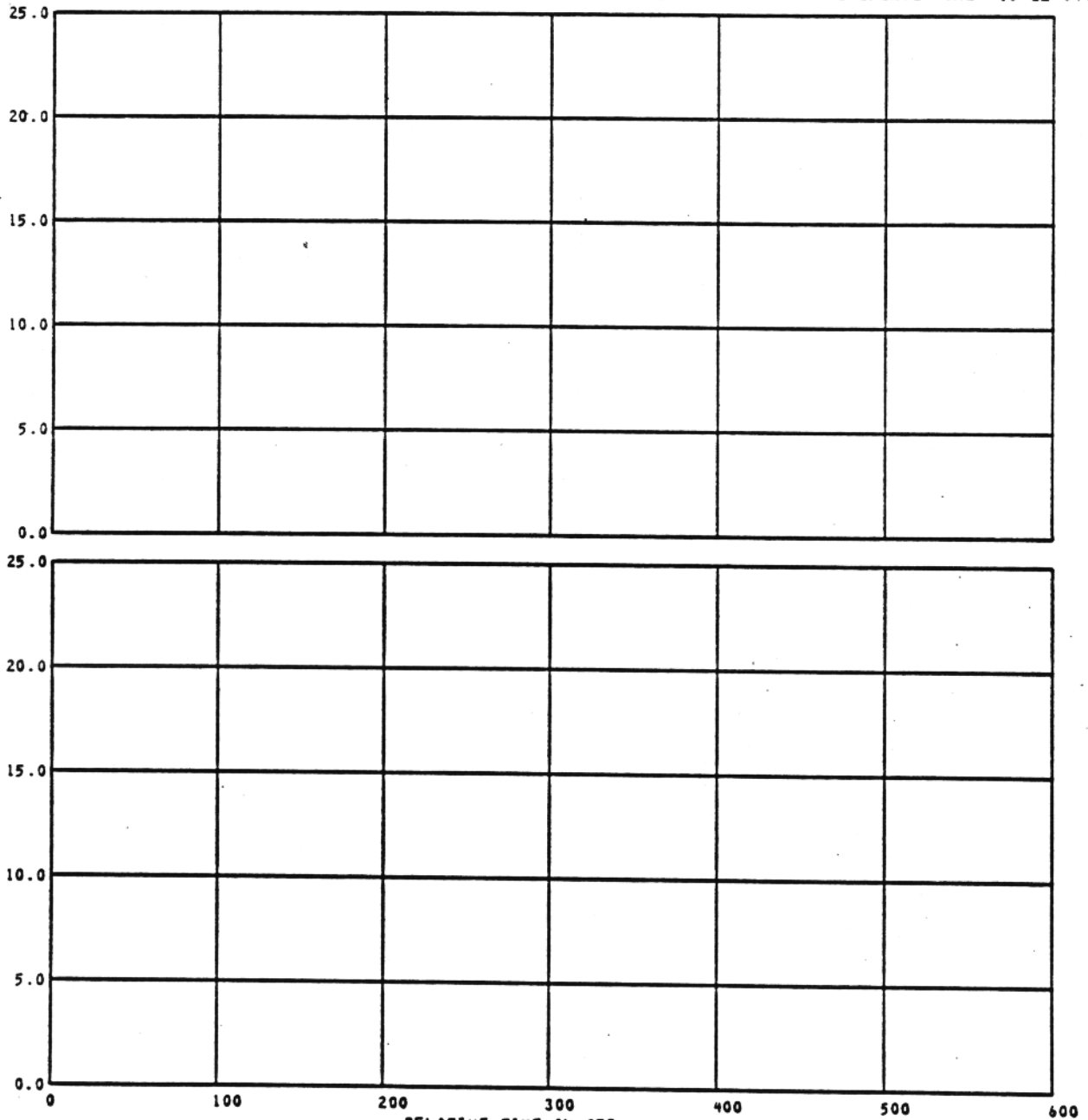
REFERENCE TIME 10 22 04.000



TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

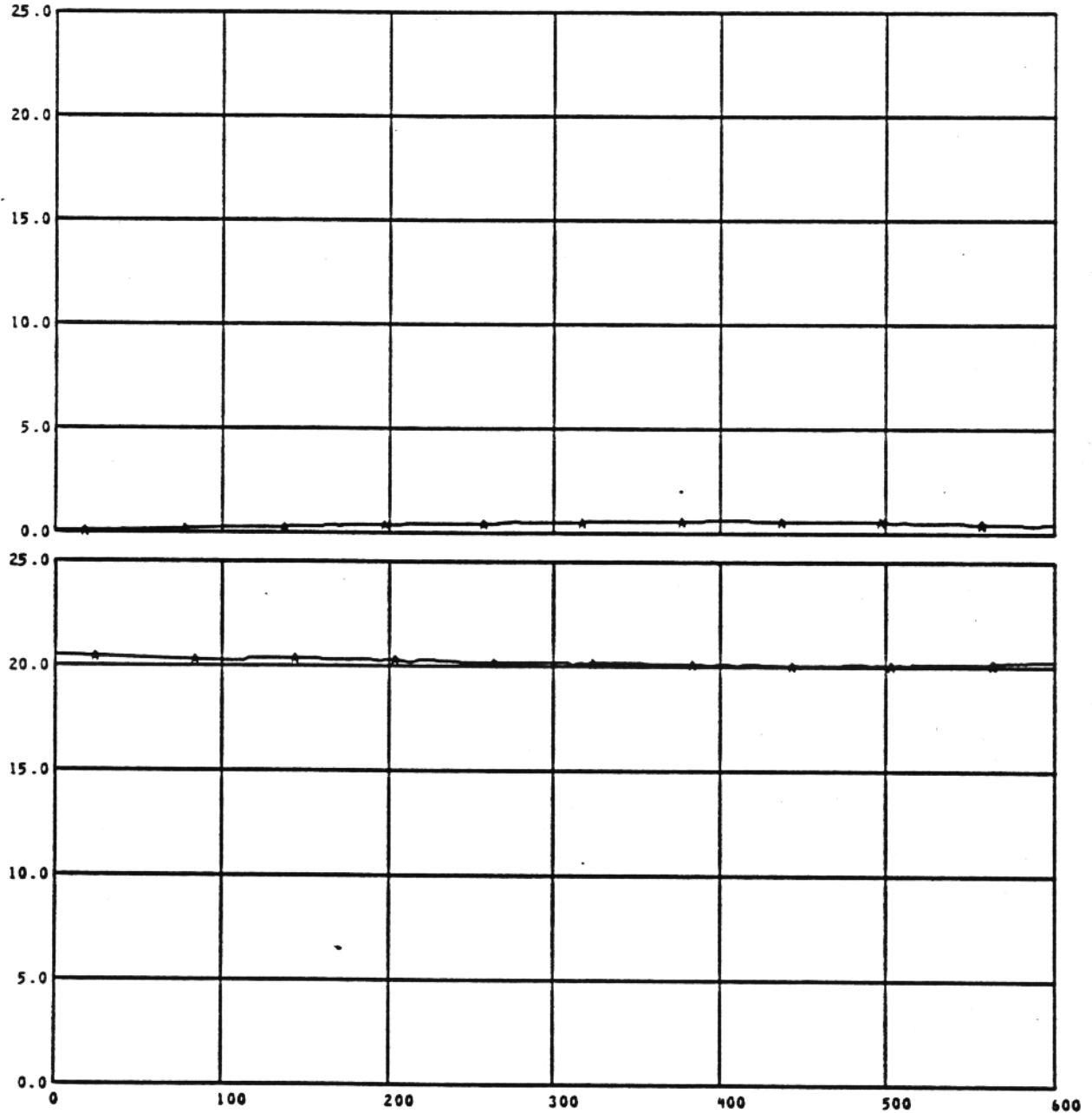
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS. GRID-SYM
PCT AA
PCT BA

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER
CO2E
O2E

CHANNEL ASGN.
090
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

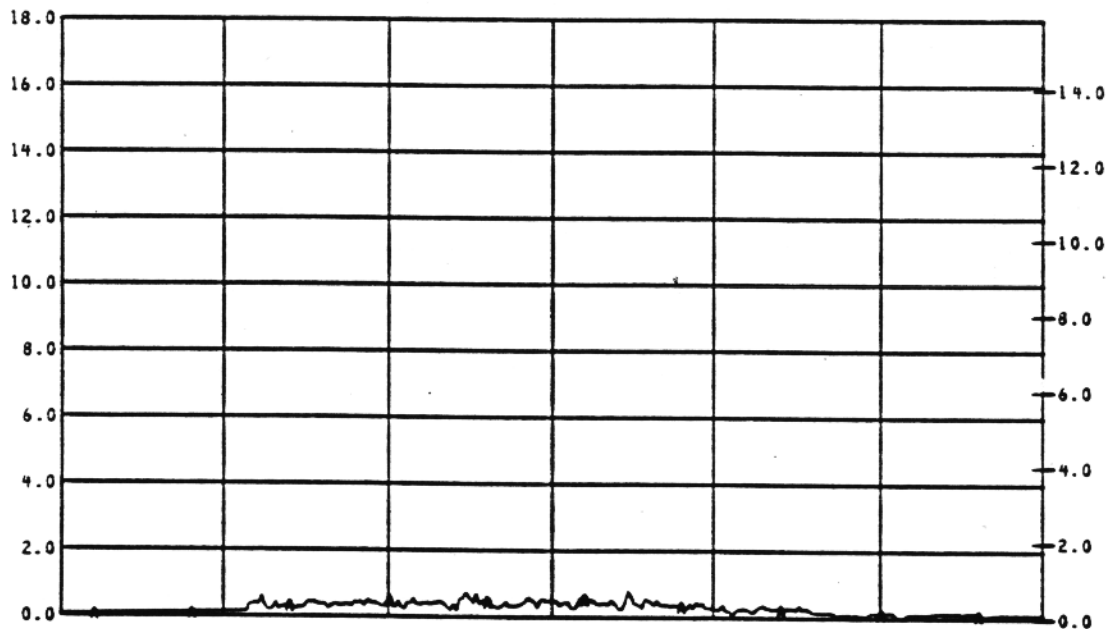
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

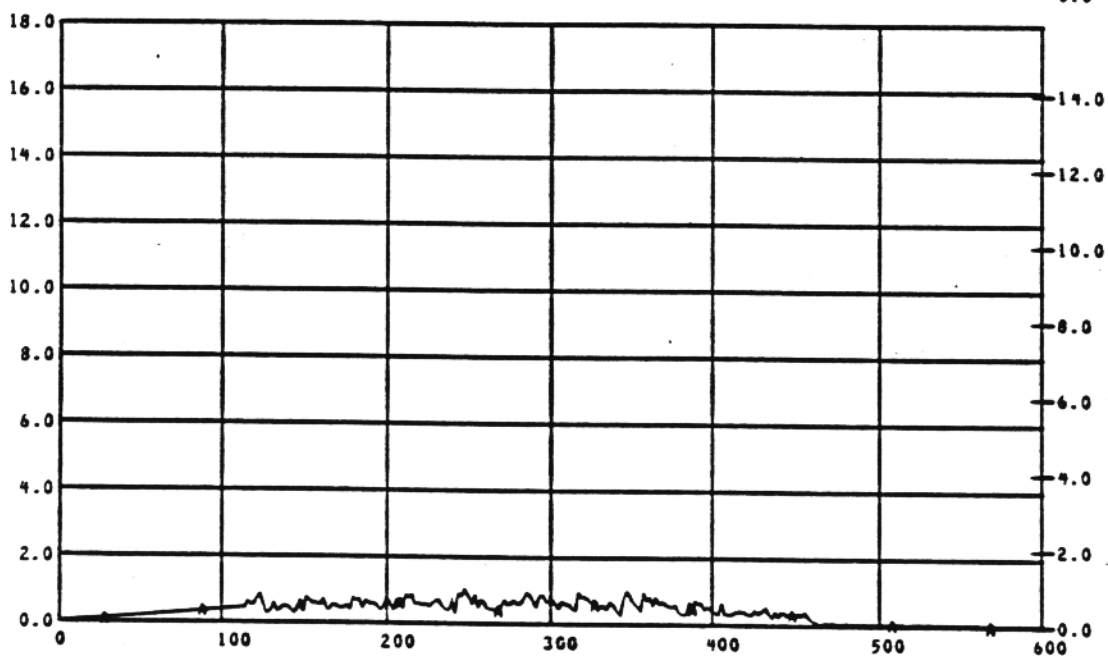
TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 10 22 04.000



B
T
U
/
F
T
2



B
T
U
/
F
T
2

RELATIVE TIME IN SEC

MEAS. NUMBER.	CHANNEL ASGN.
s CU	150
s CL	151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

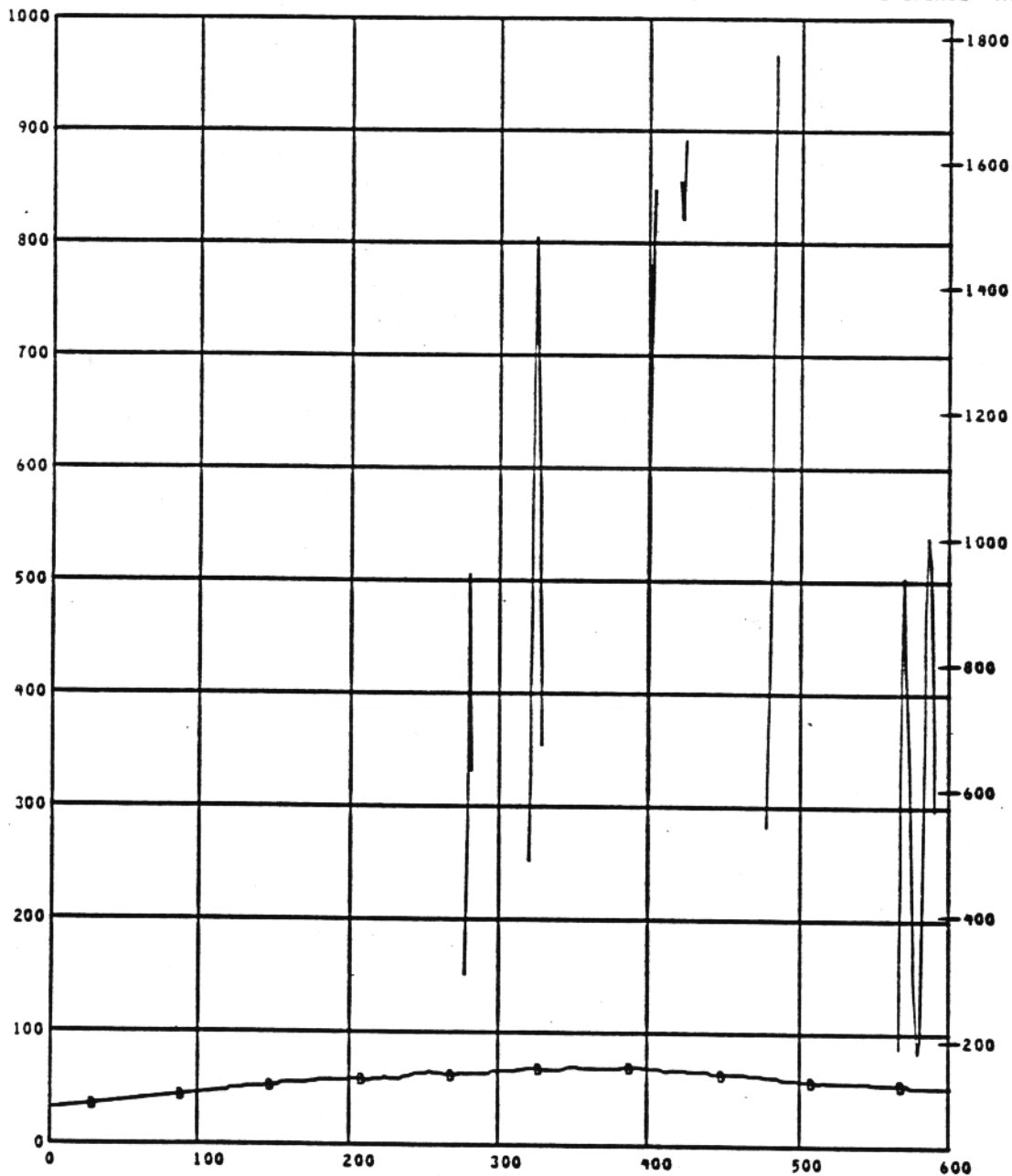
RANGE
0.0 TO 18.0
0.0 TO 18.0

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

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSL1	101
\$ TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

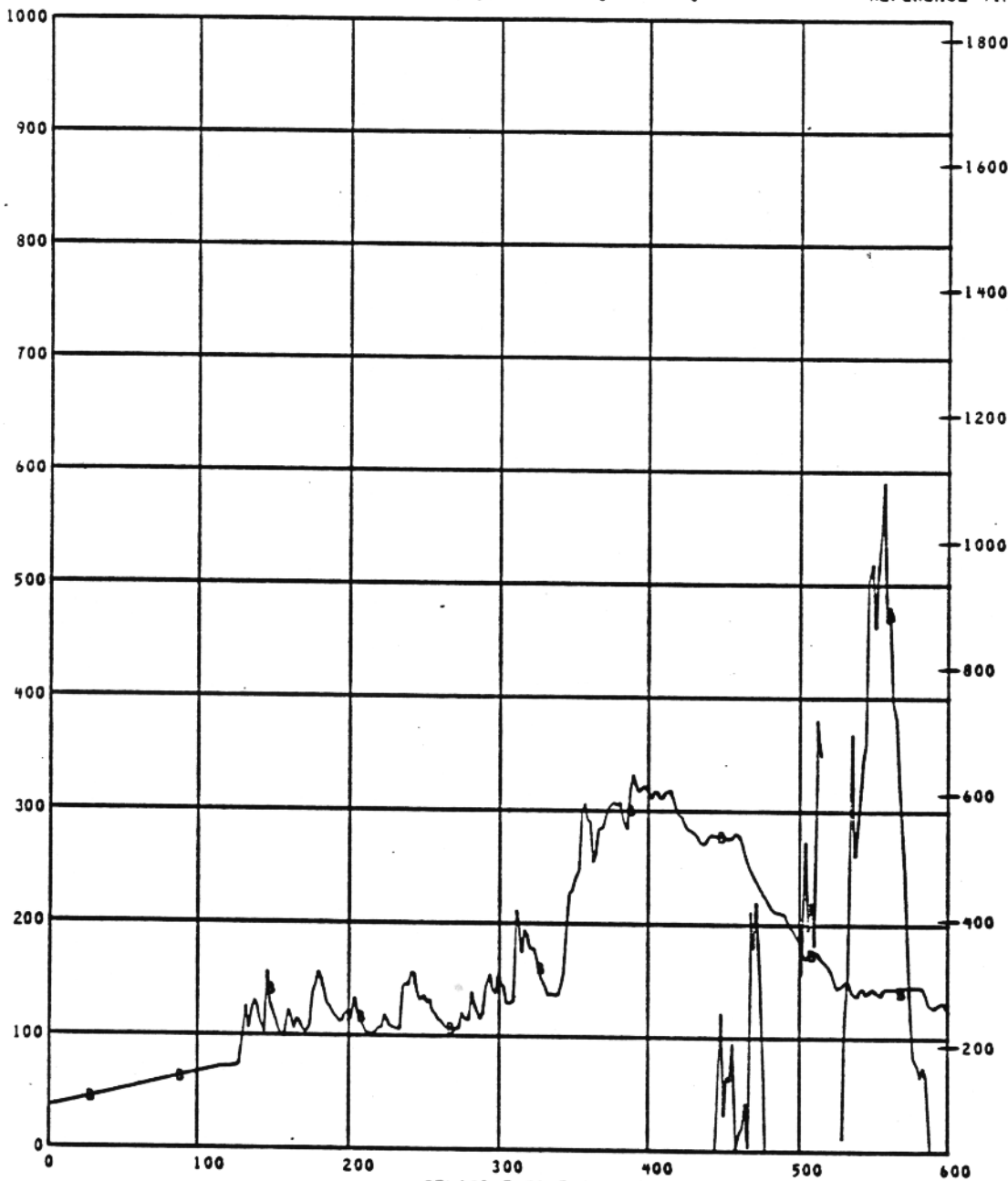
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 8 - 1

REFERENCE TIME 10 22 04.000

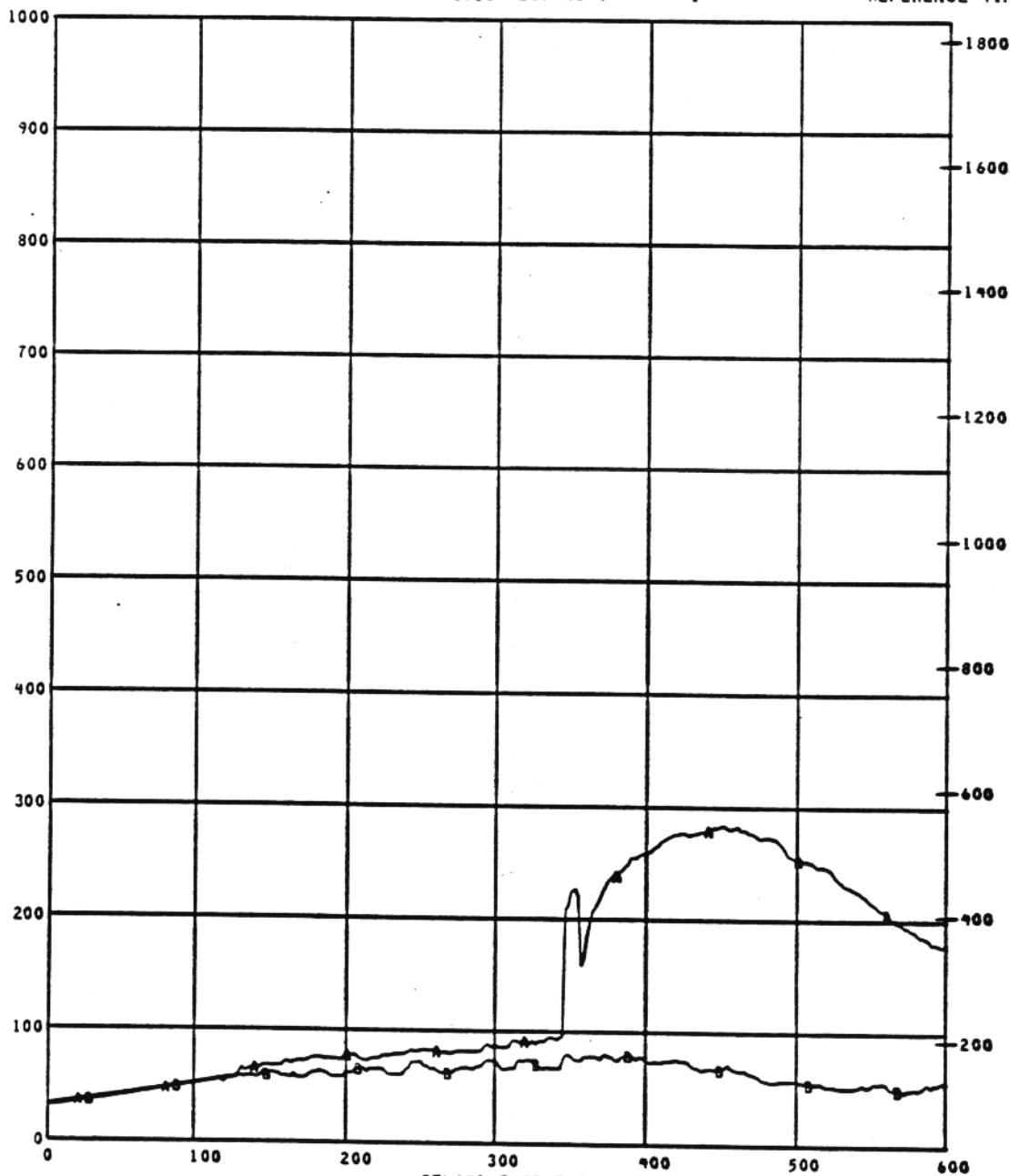


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
* TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSC2	105
\$ TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

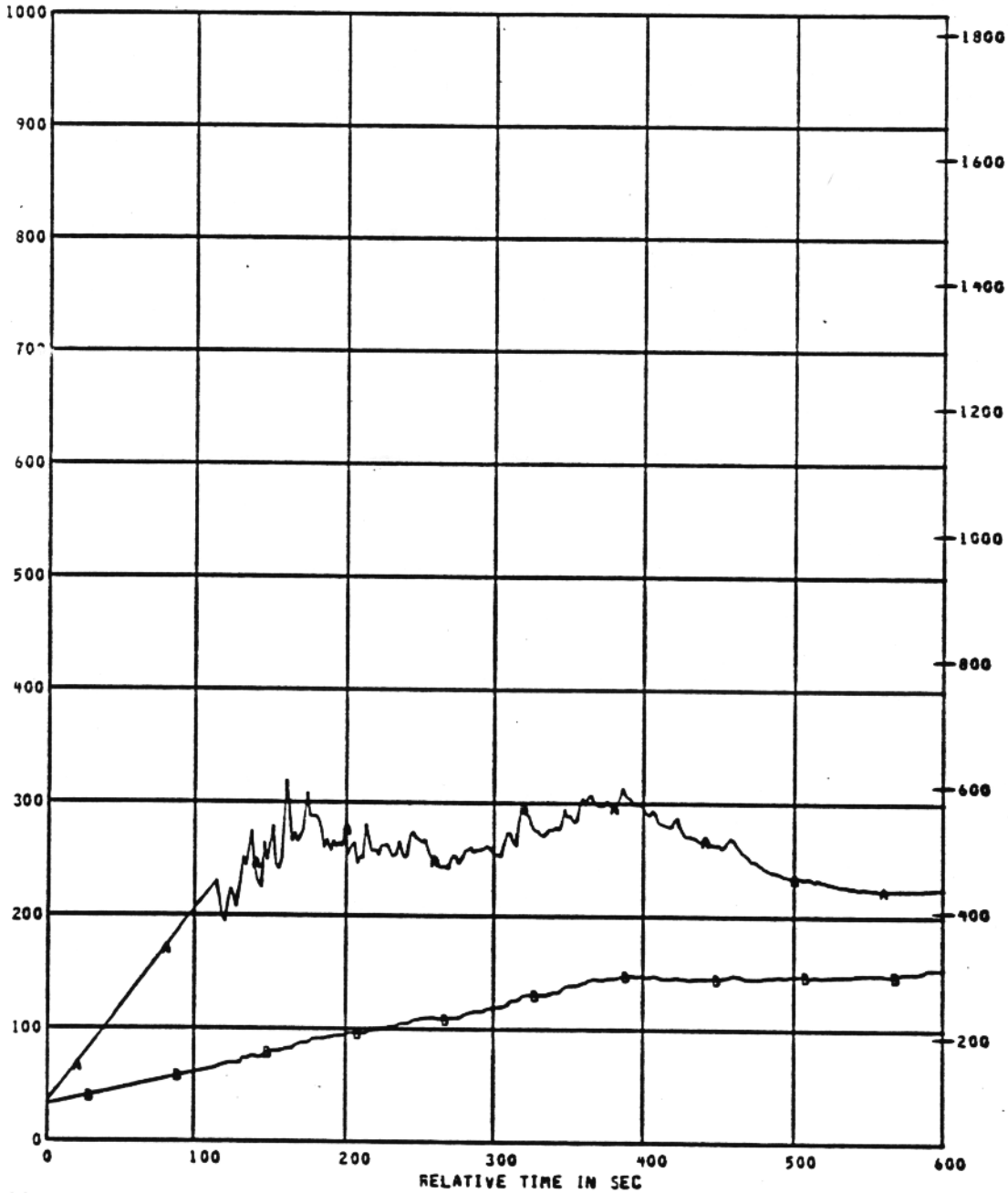
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 22 04.000



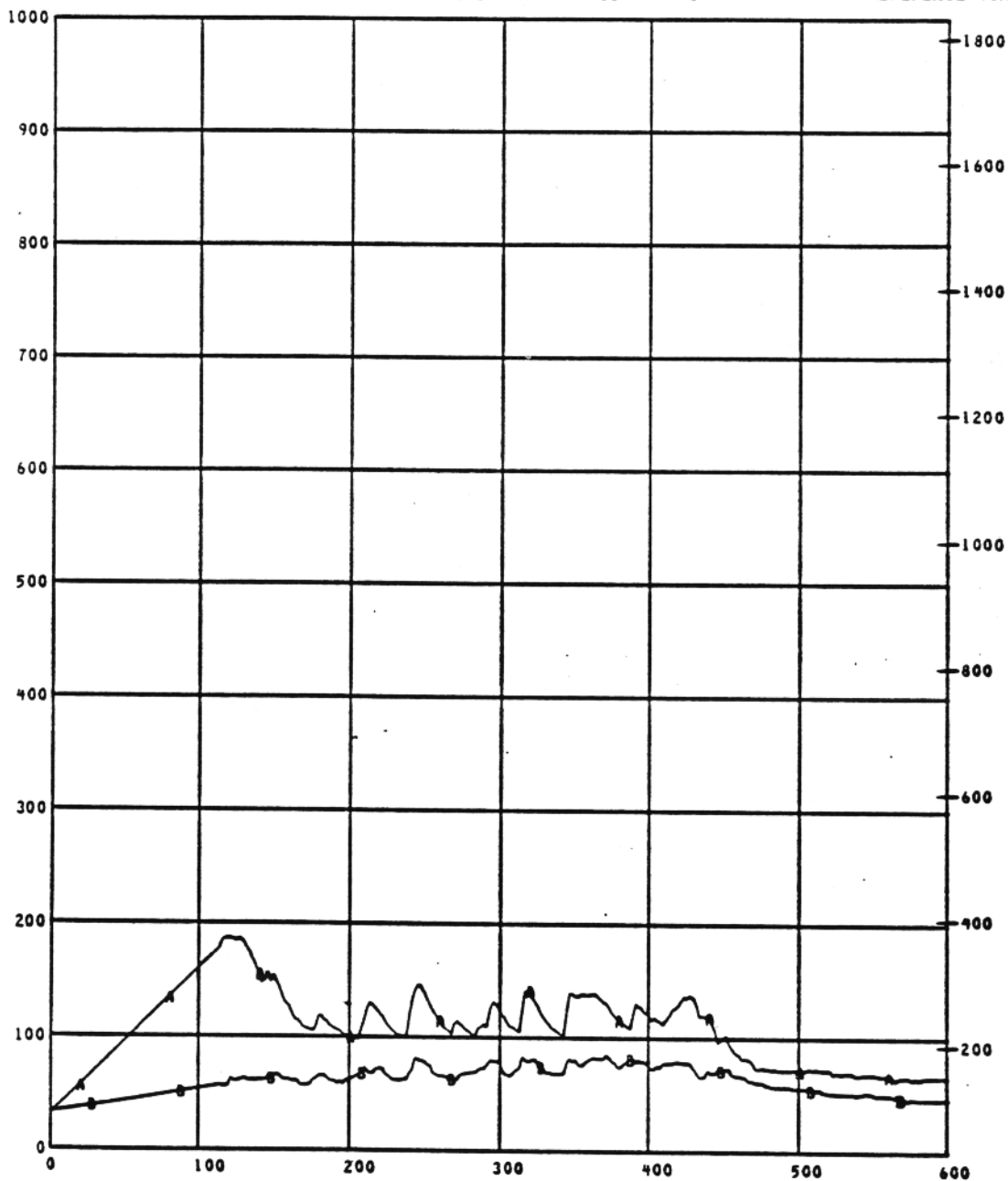
D
E
G
F

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 NAS68

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 22 04.000



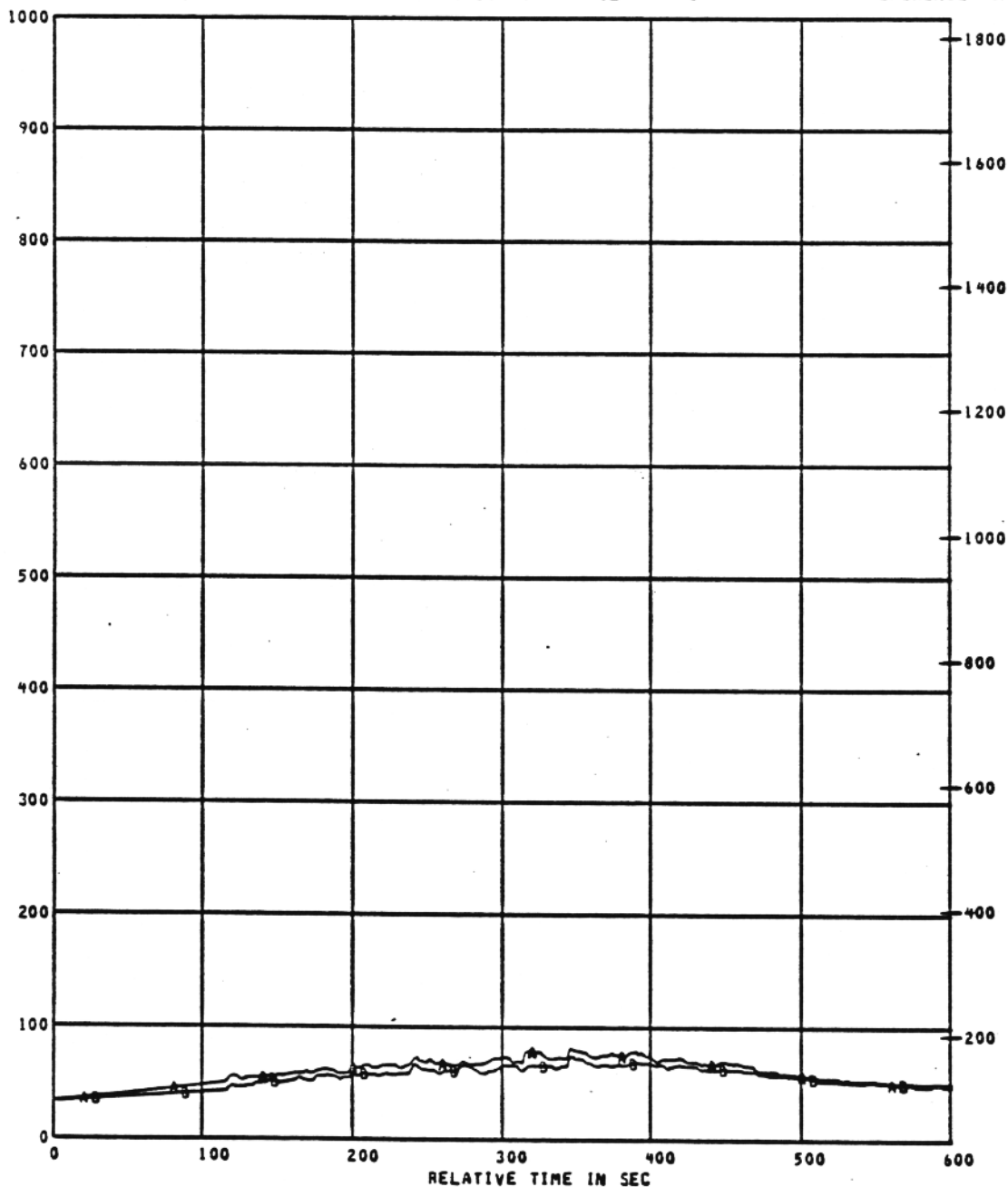
D
E
G
F

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 NAS6B

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER
\$ TBL2
\$ TBL3

CHANNEL ASGN.
111
112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

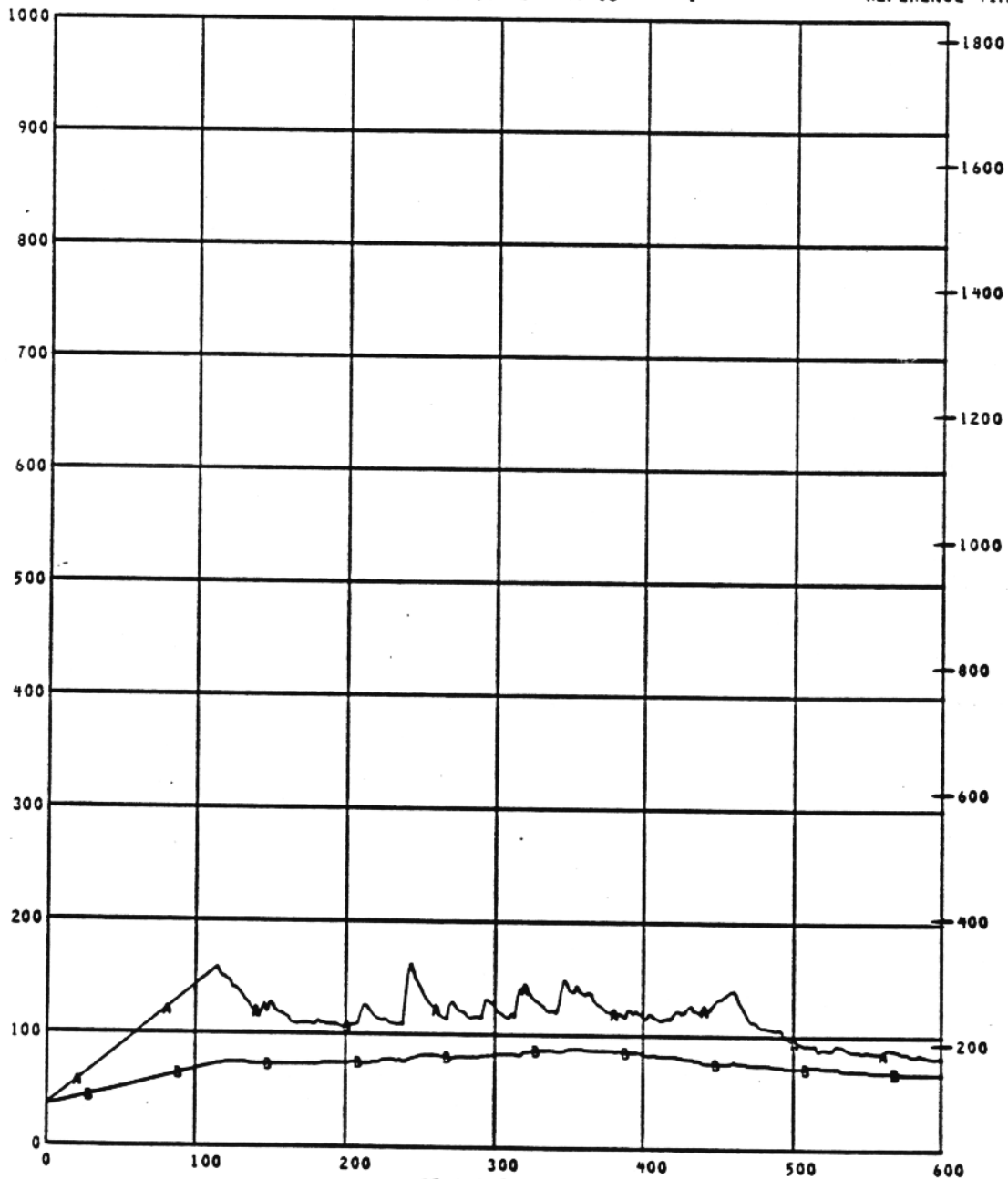
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 22 04.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBC1	113
\$ TBC2	114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

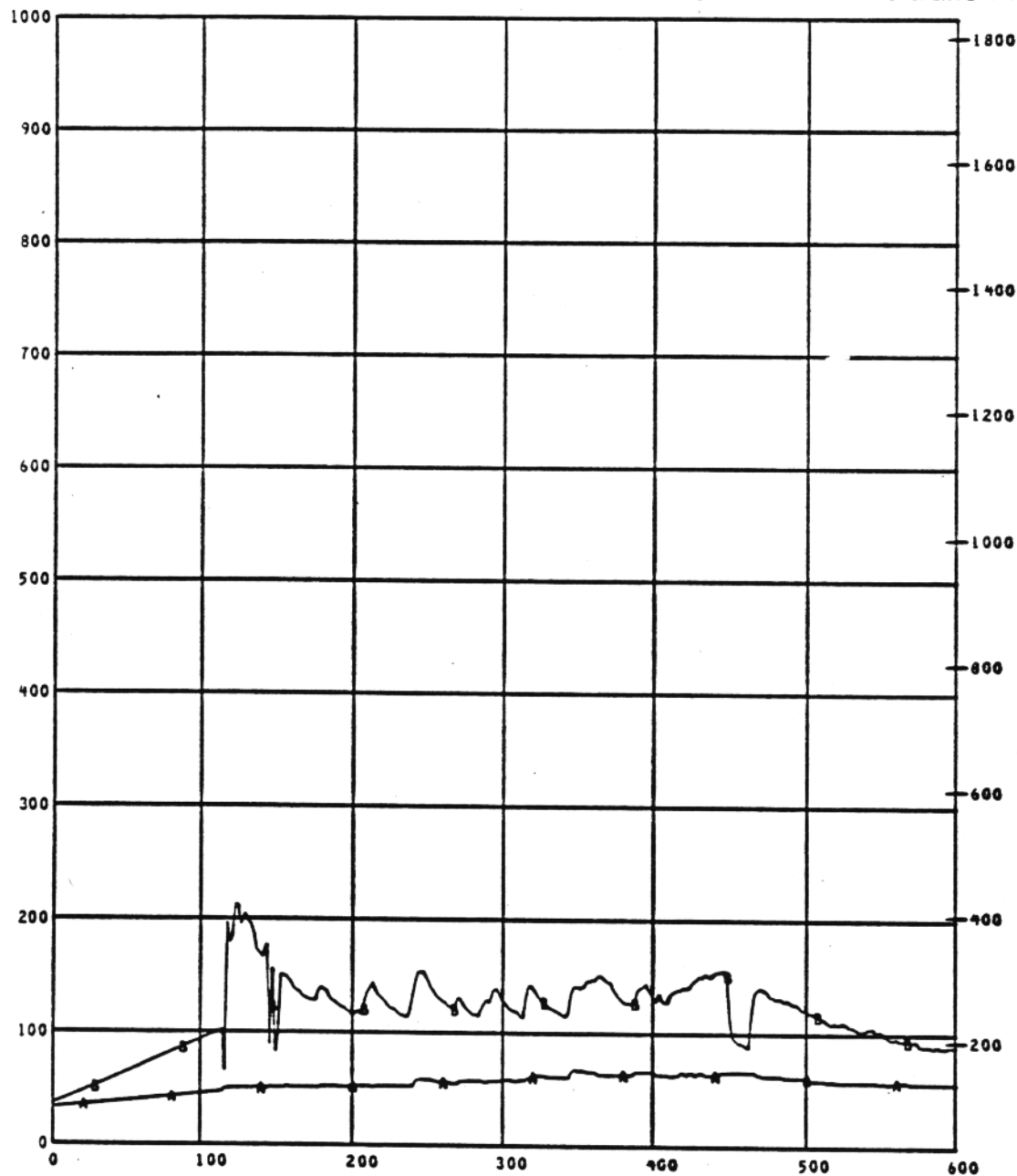
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

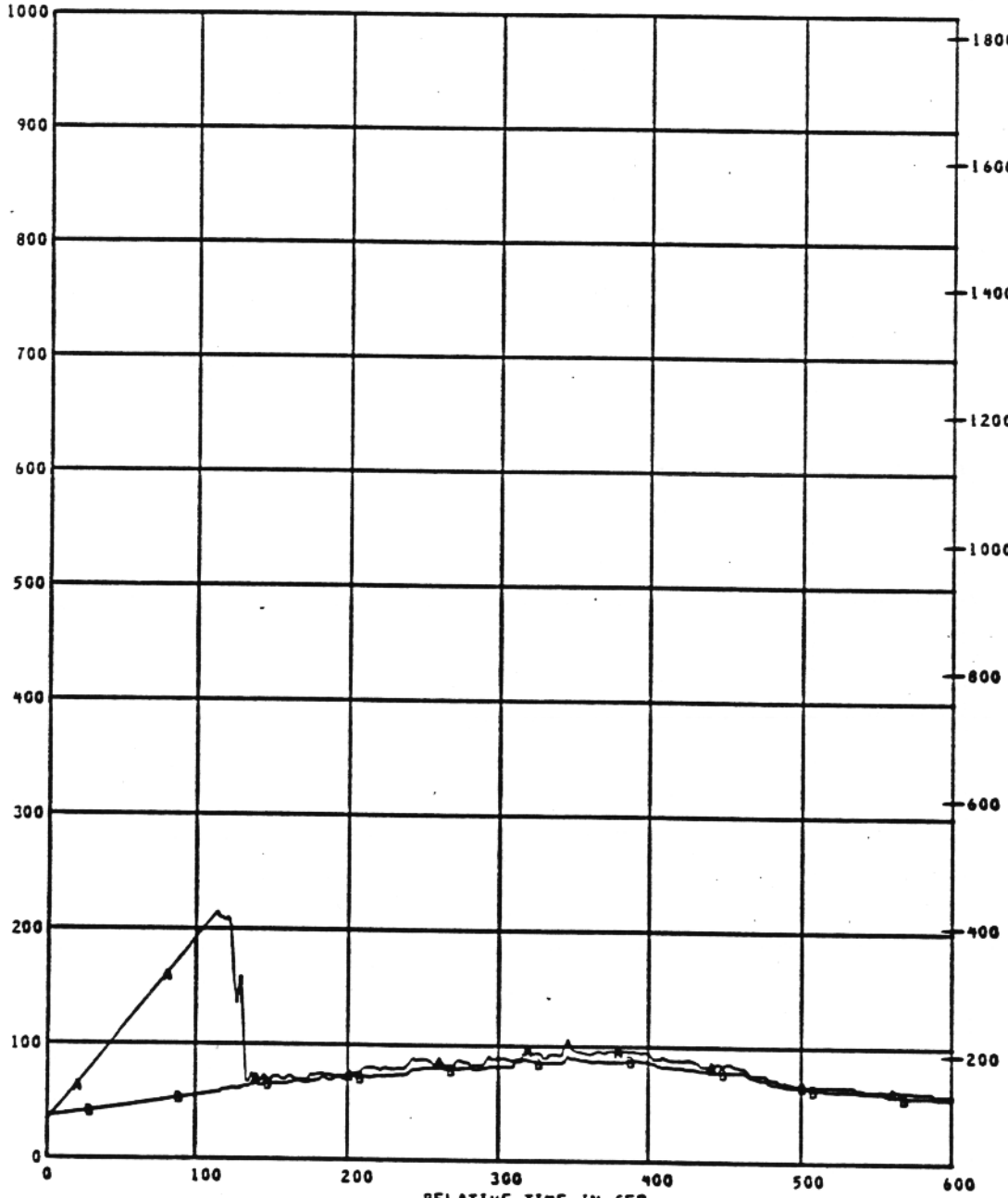
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBR2	117
\$ TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

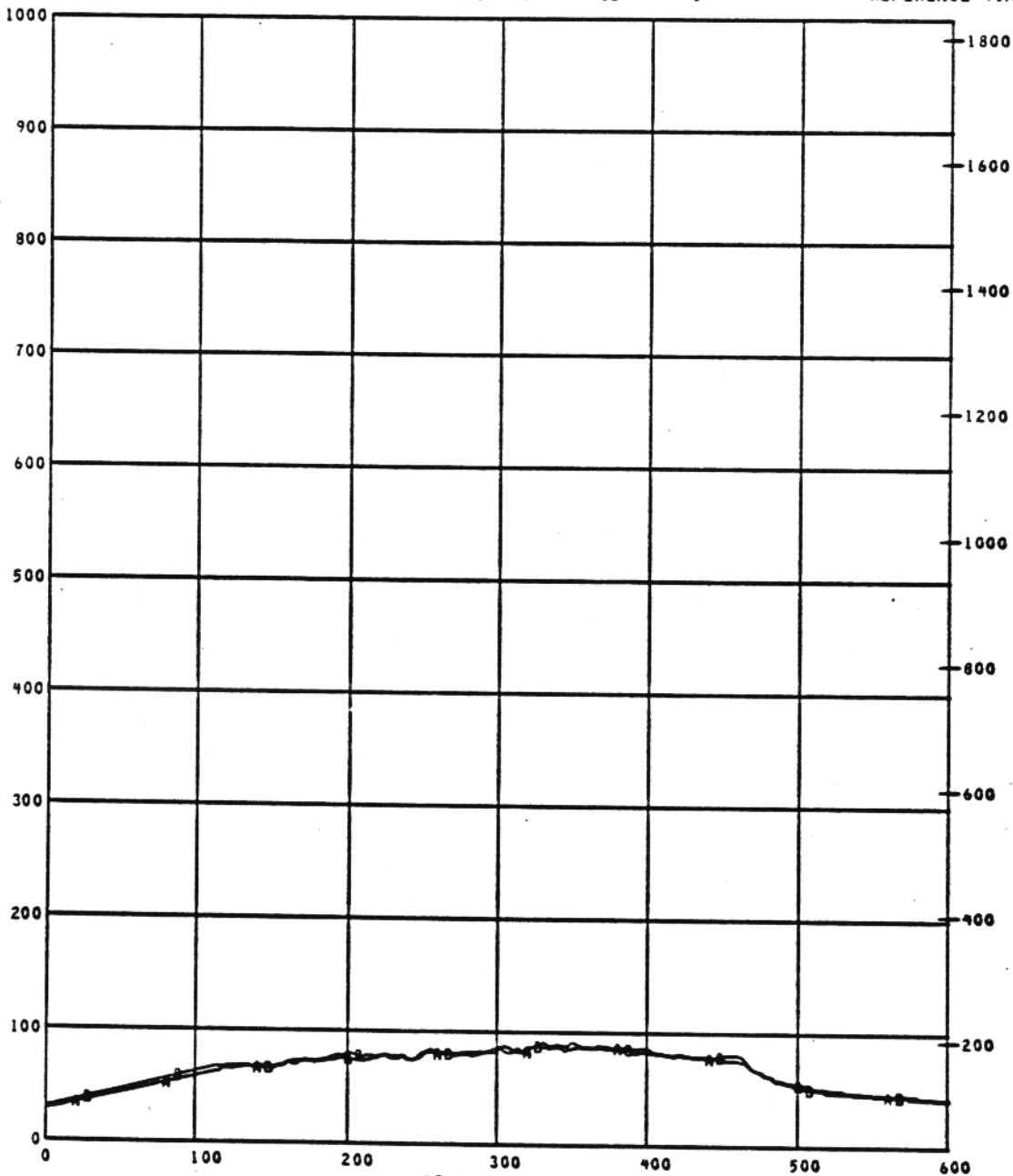
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

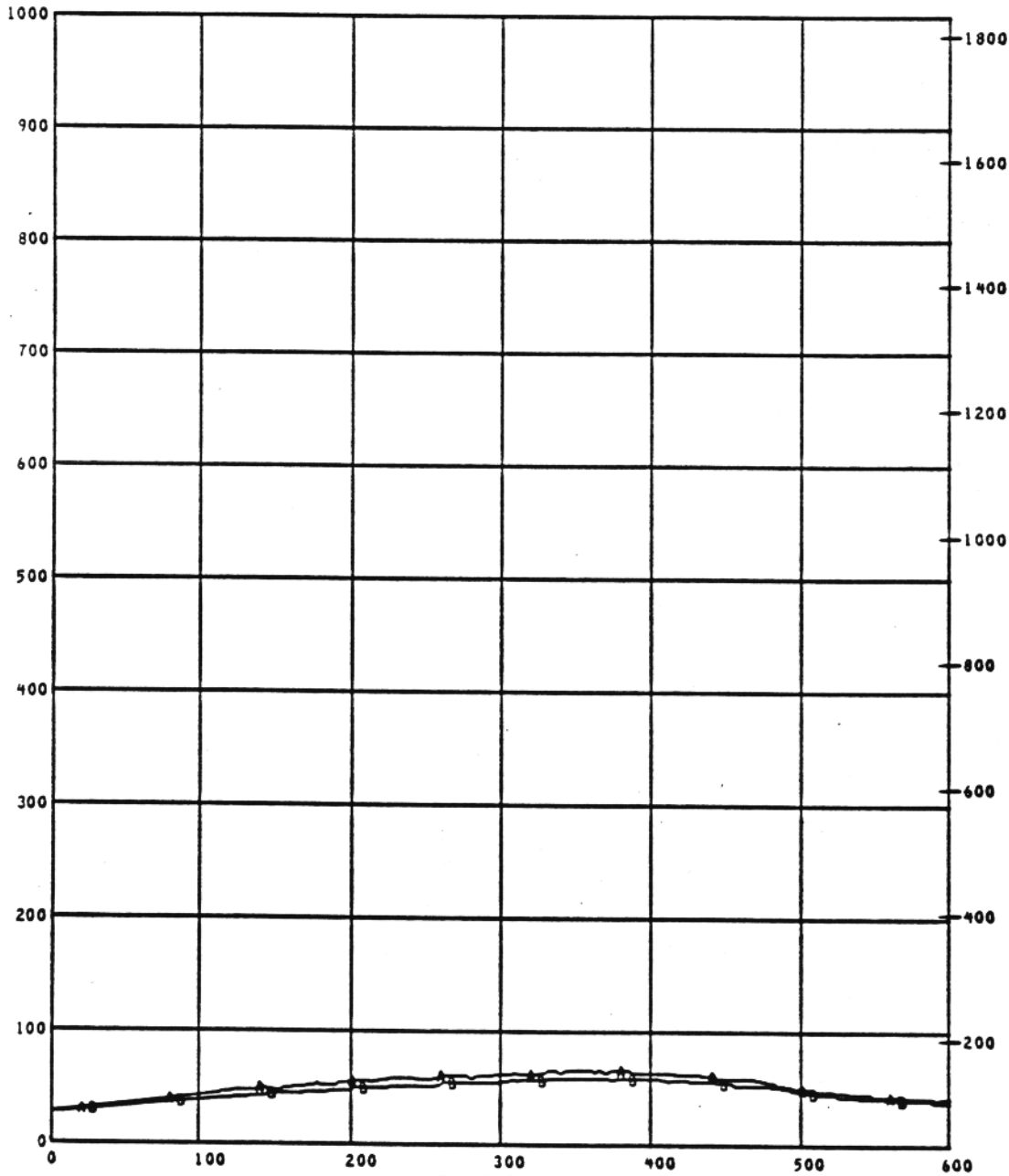
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

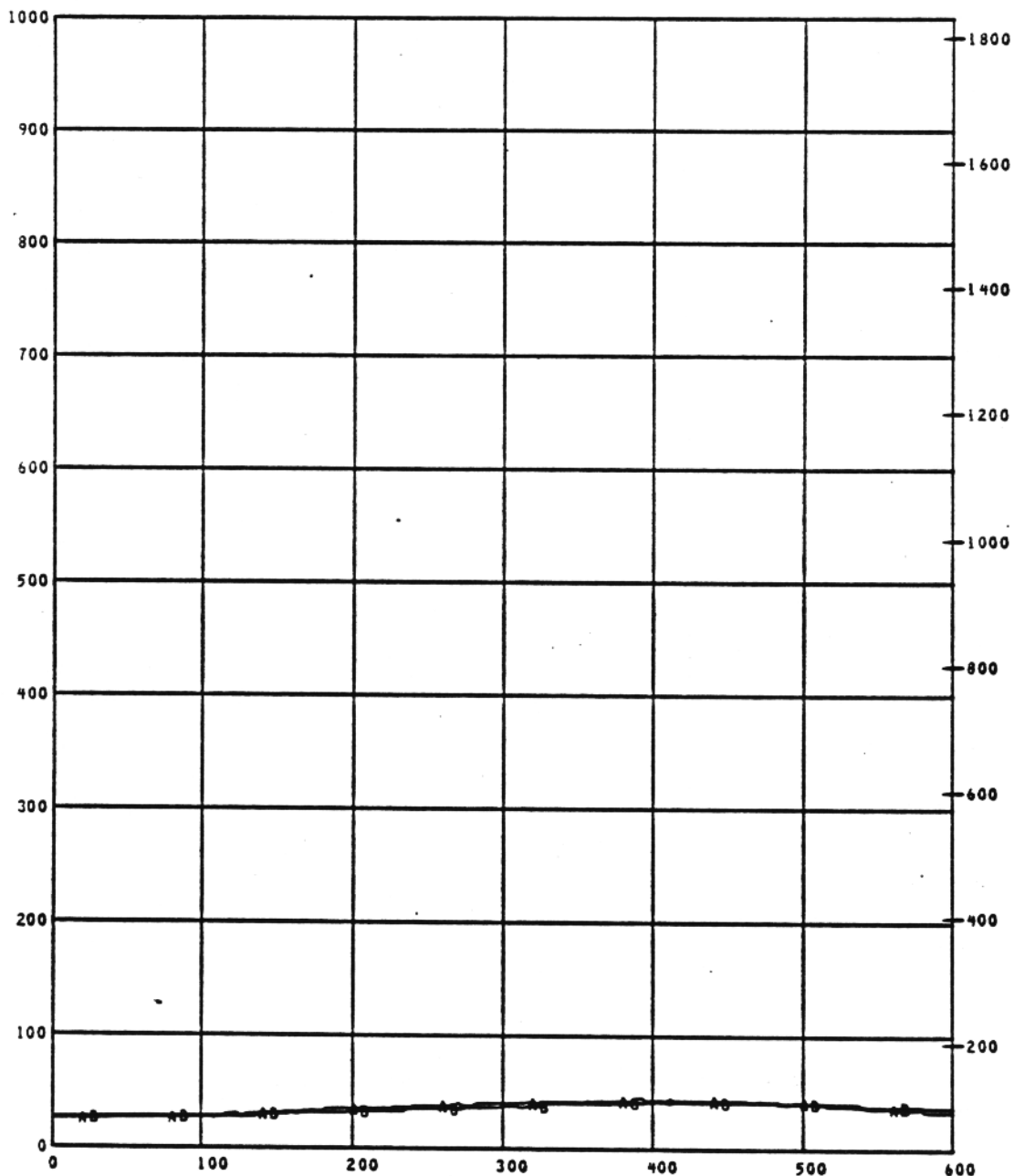
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS68

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 22 04.000



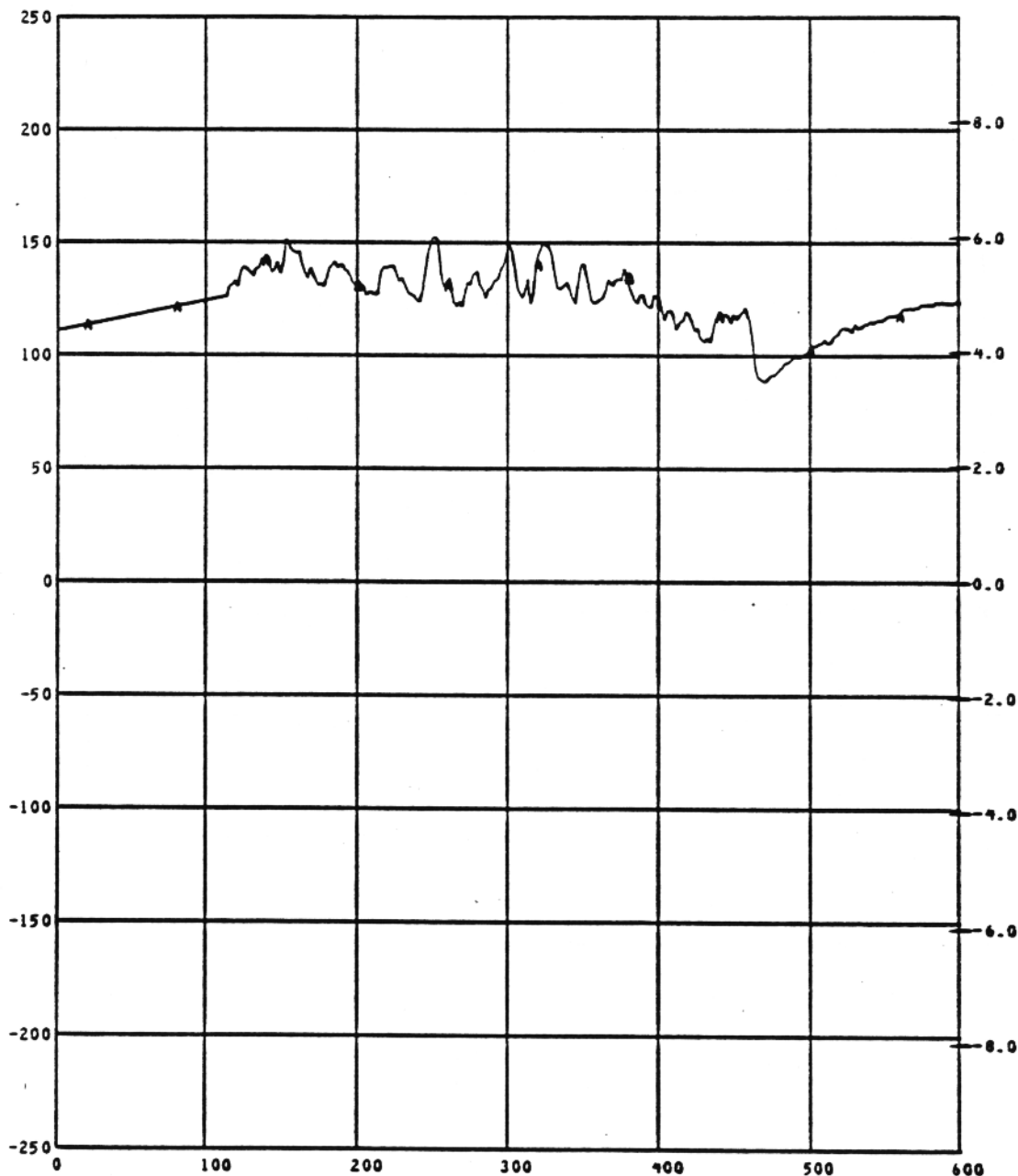
D
E
G
F

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 NAS68

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 22 04.000



MEAS. NUMBER
3 DPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

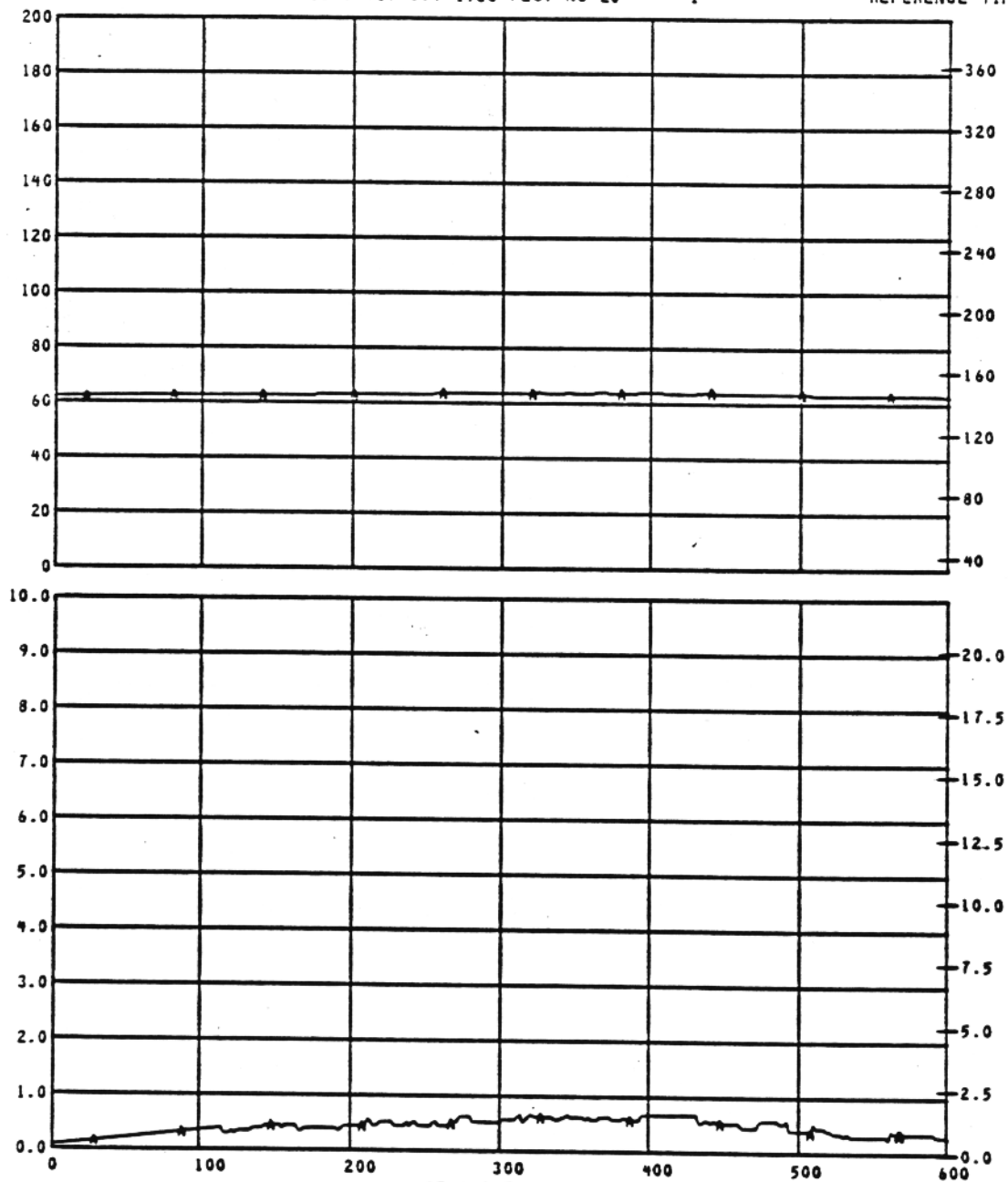
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 AA

TEST ID NAS6B

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 22 04.000



D
E
G
F

L
B
S

MEAS. NUMBER
\$ TLC
\$ WL

CHANNEL ASGN.
125
149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

RANGE
0 TO 200
0.0 TO 10.0

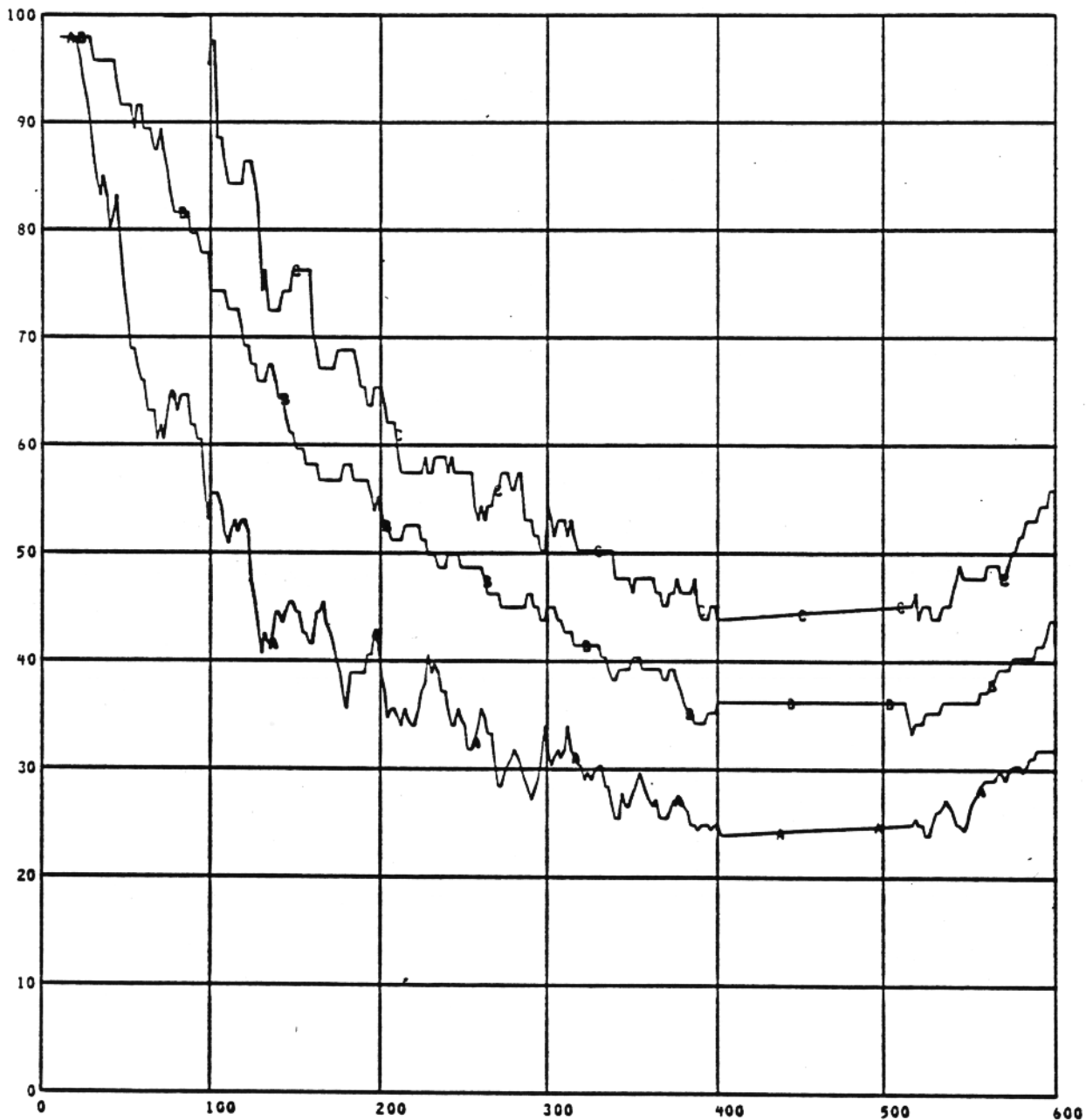
UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 1

- 1

REFERENCE TIME 10 43 50.000

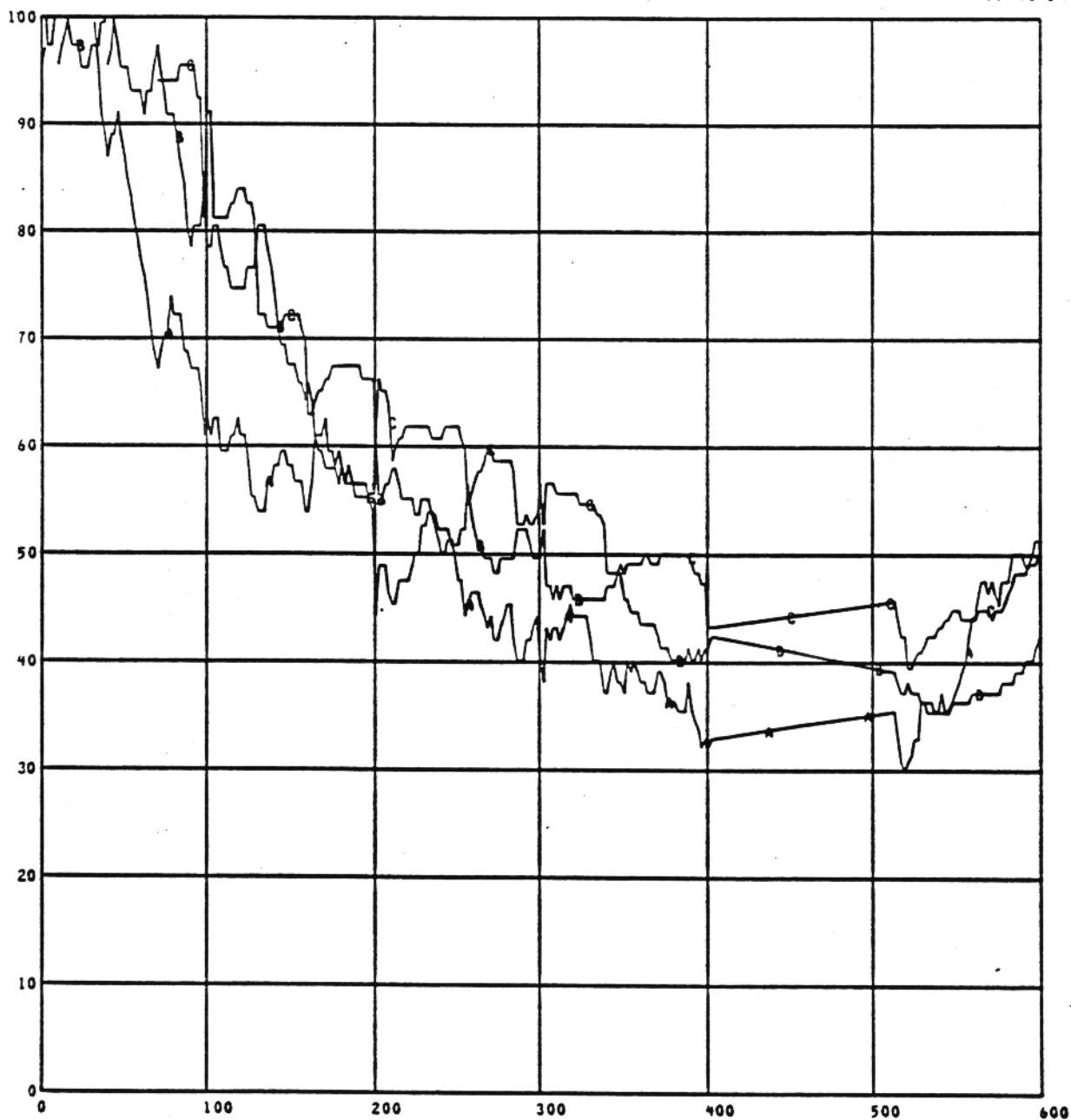


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 10 43 50.000

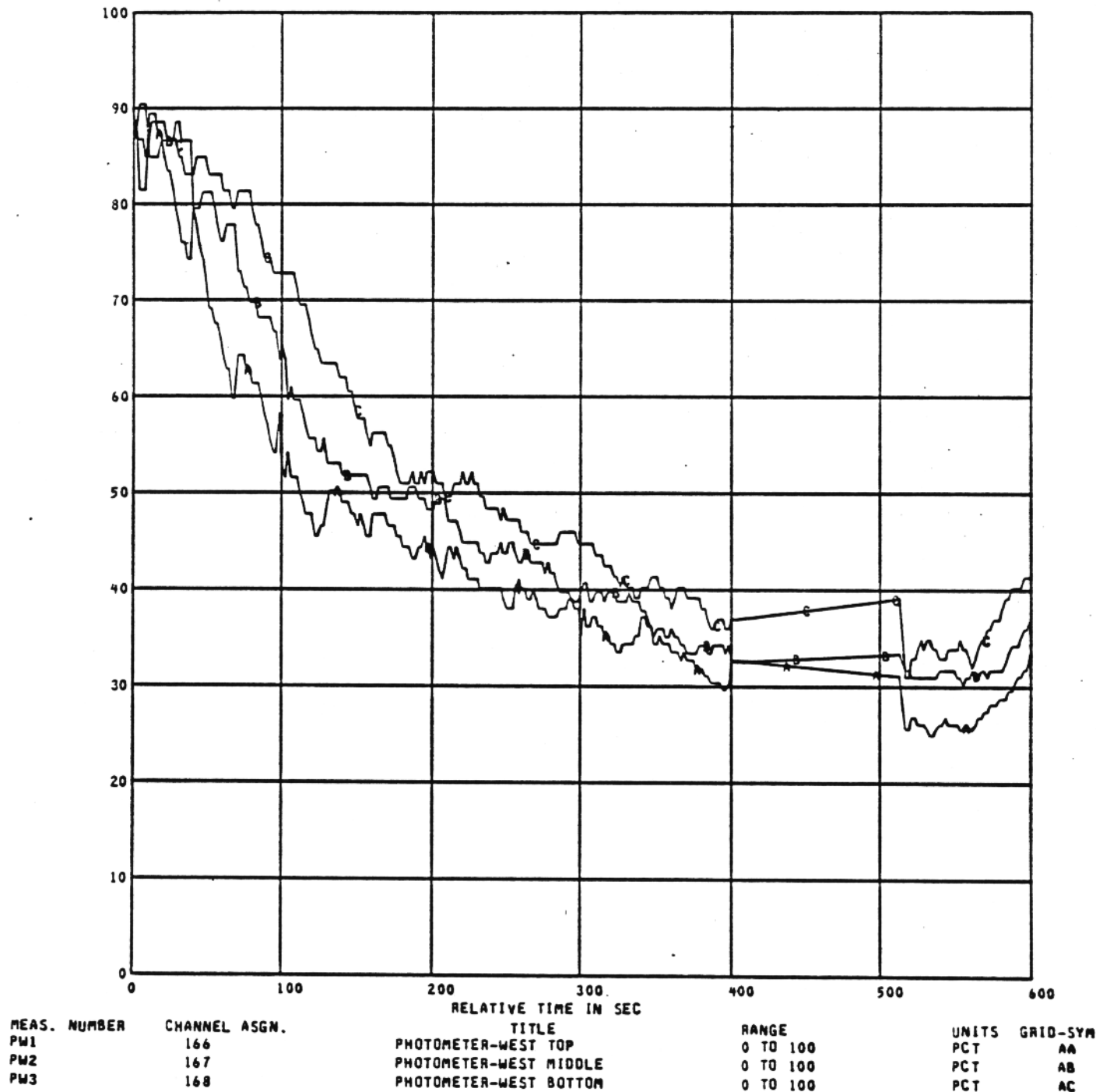


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 3 - 1

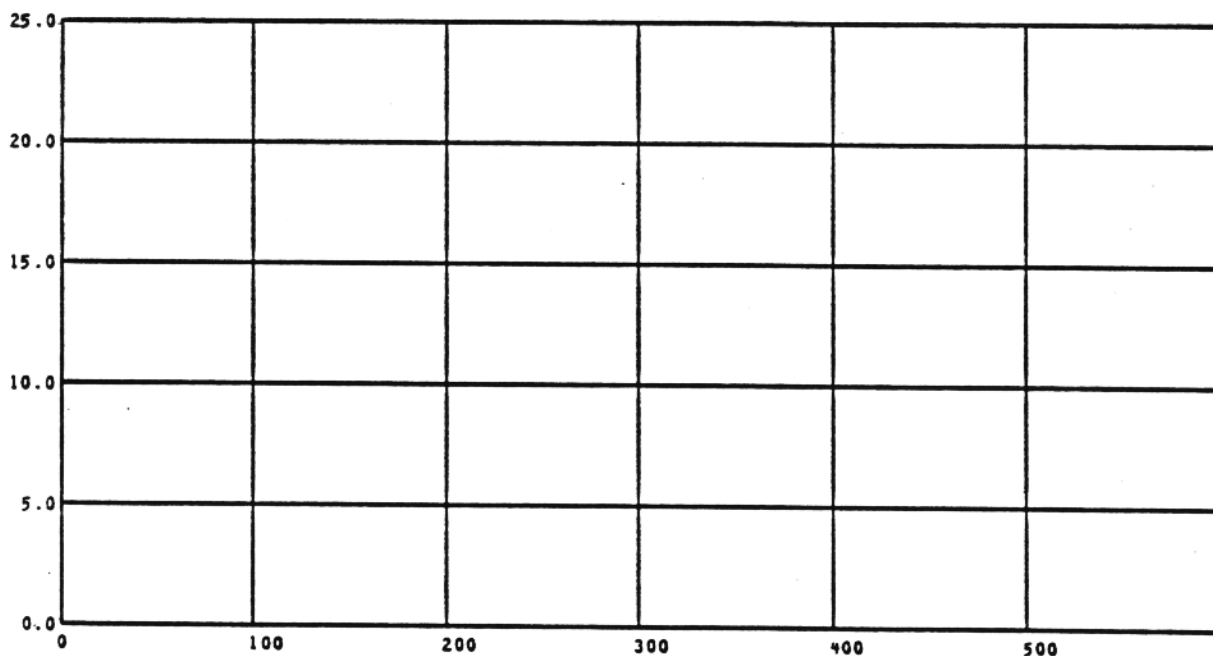
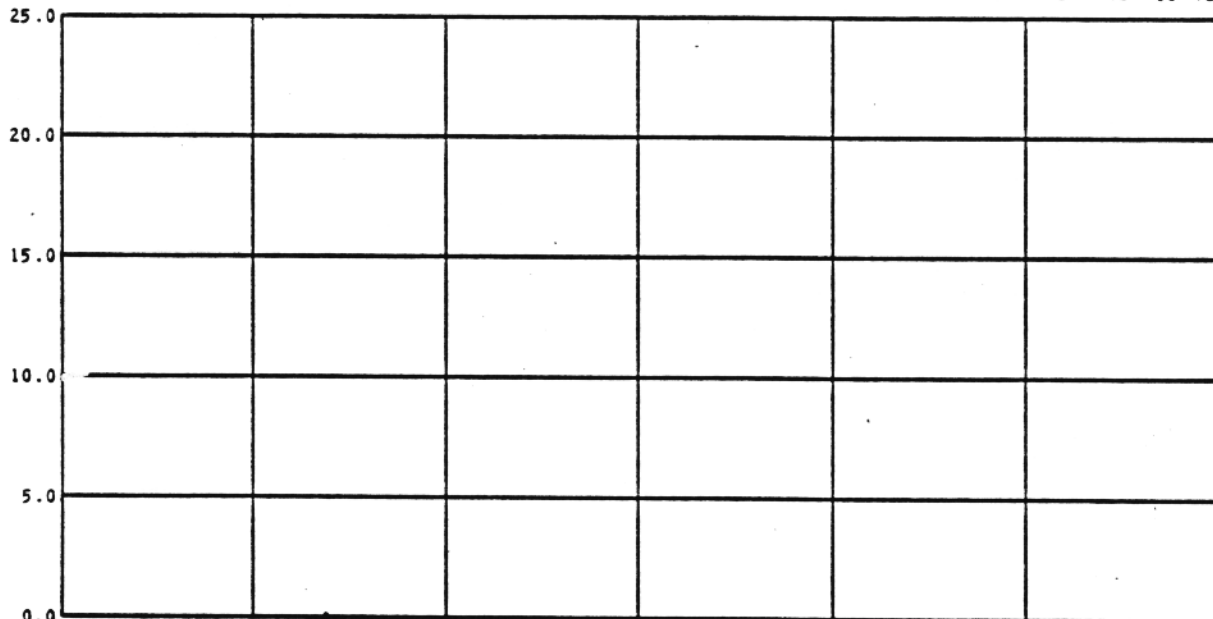
REFERENCE TIME 10 43 50.000



TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER
CHIE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

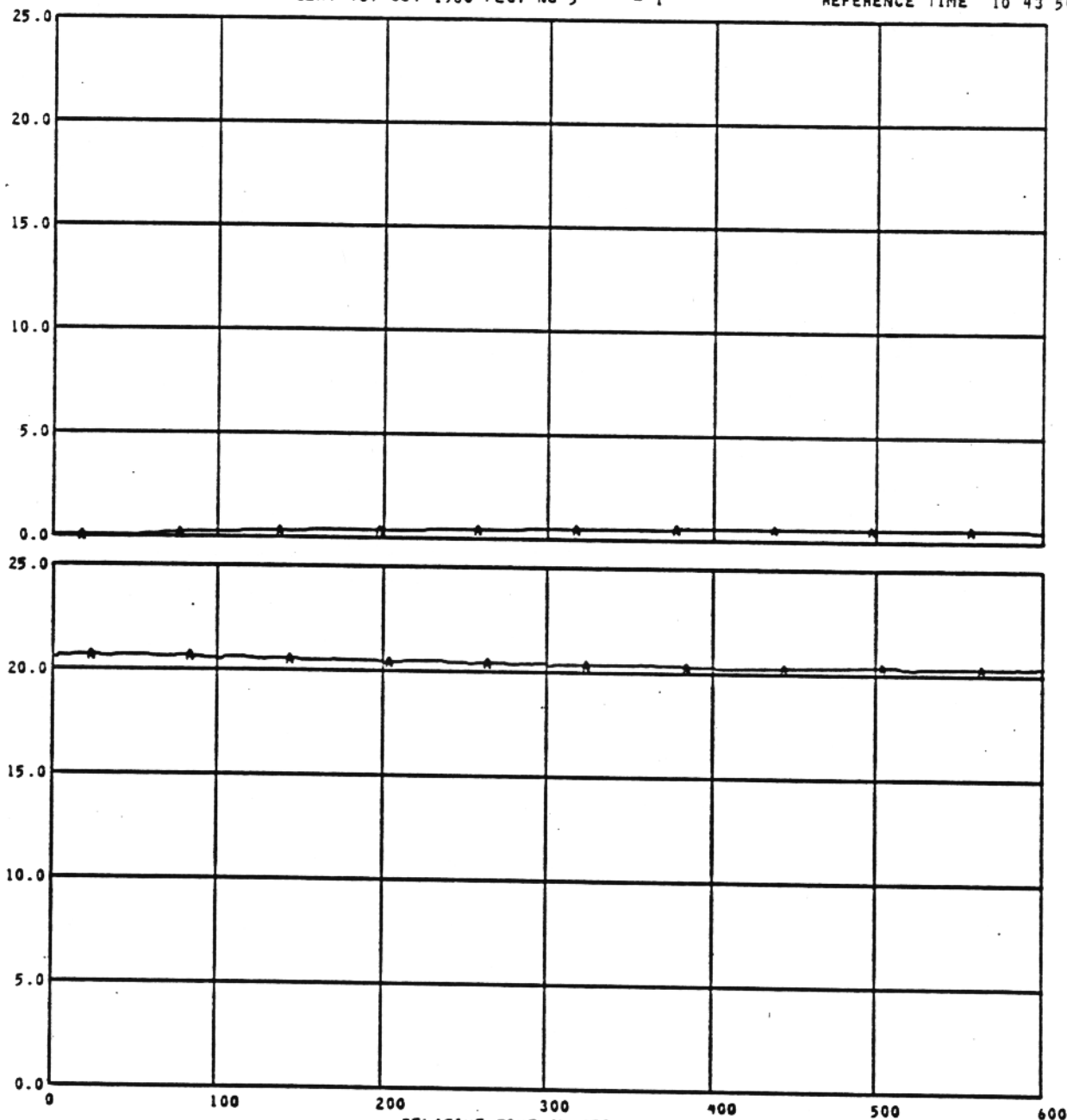
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS78

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

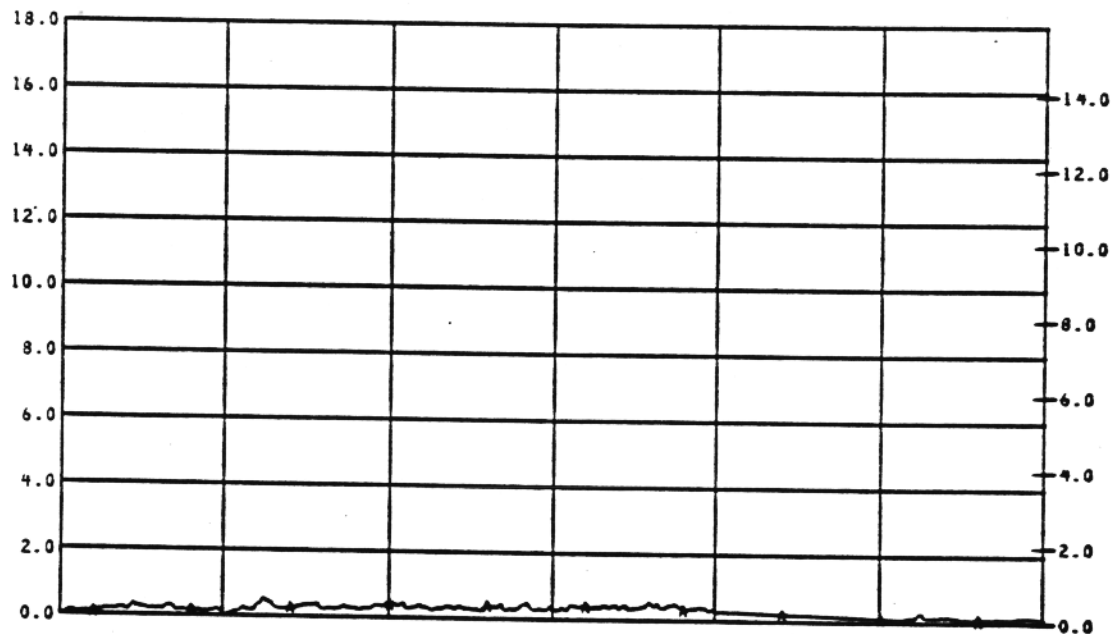
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

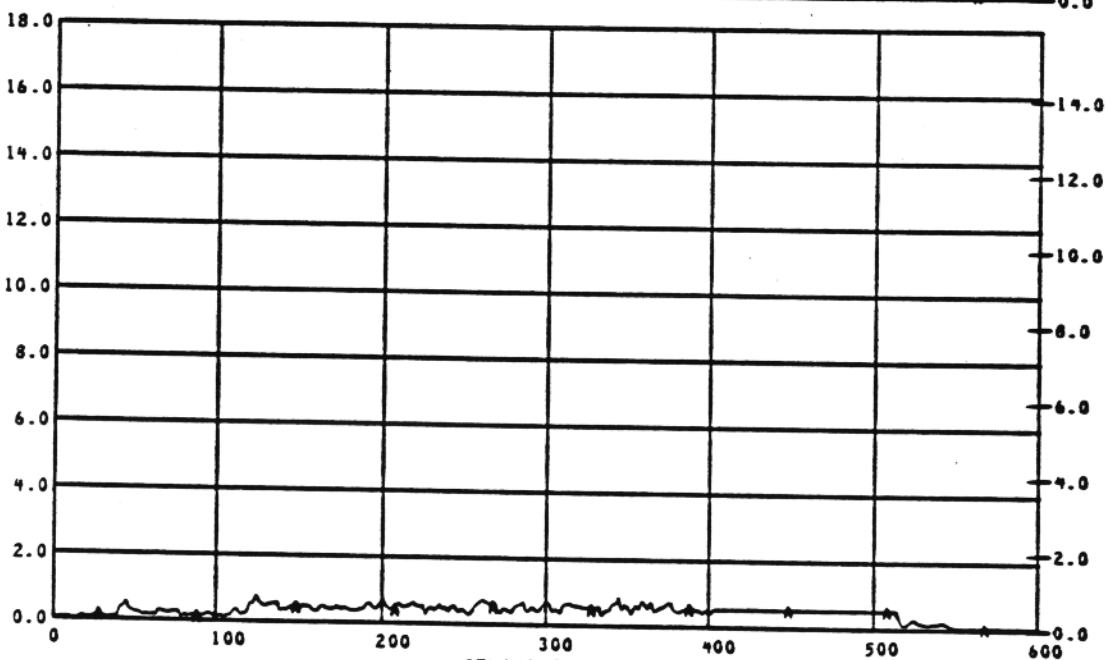
TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 10 43 50.000



B
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U
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2



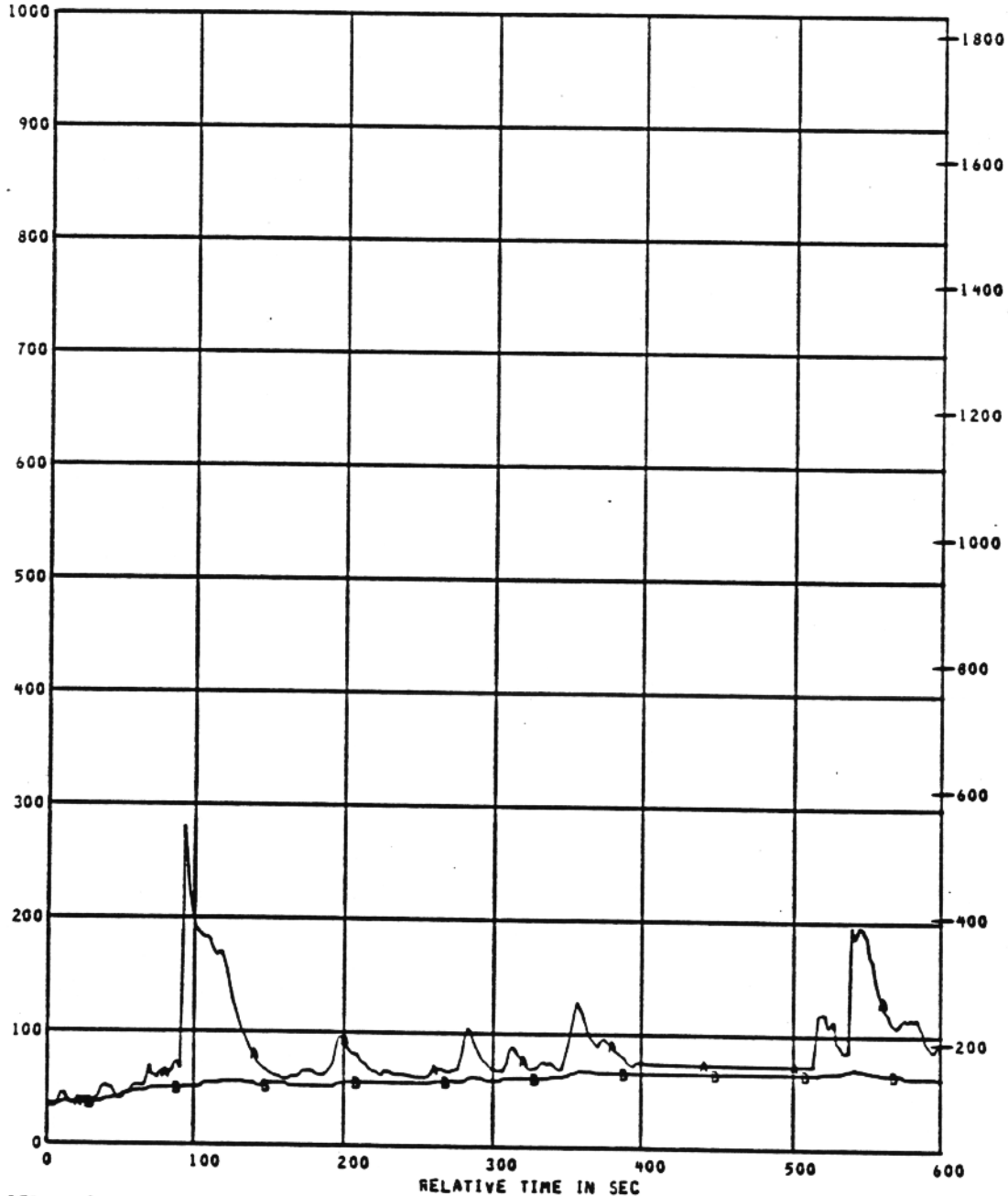
B
T
U
/
F
T
2

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 NAS78

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER	CHANNEL ASGN.
* TSL1	101
* TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

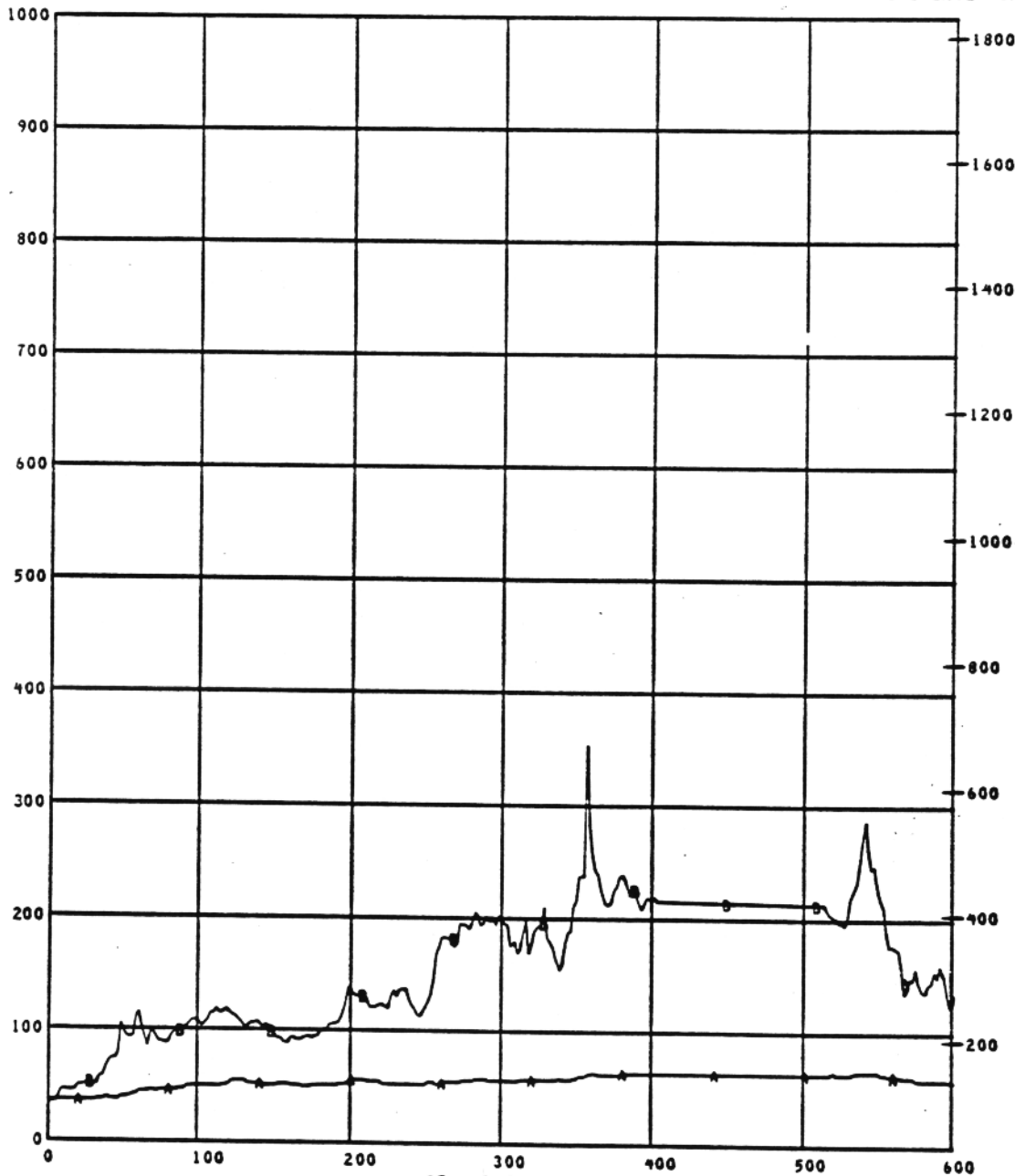
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS78

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

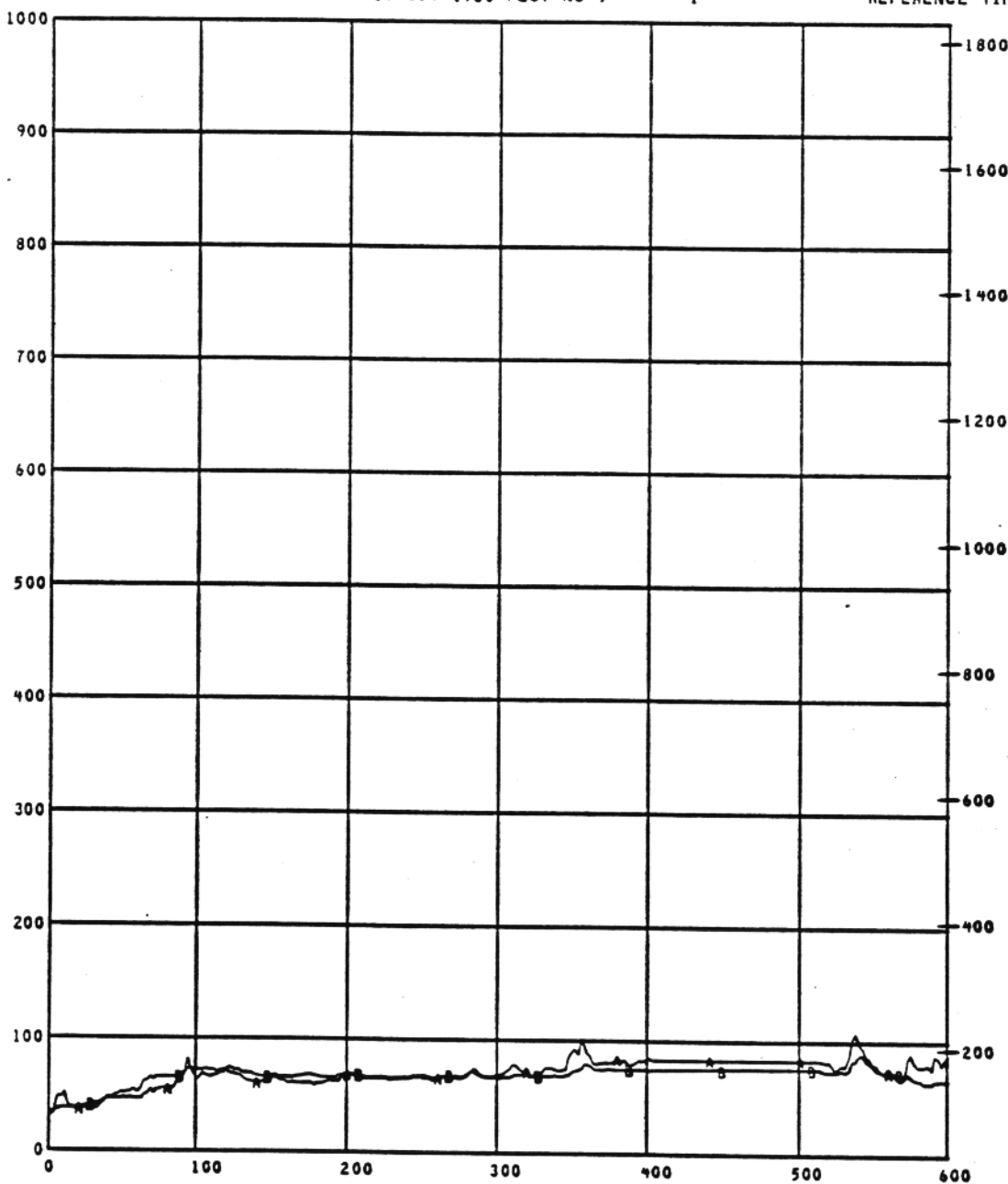
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSC2	105
\$ TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

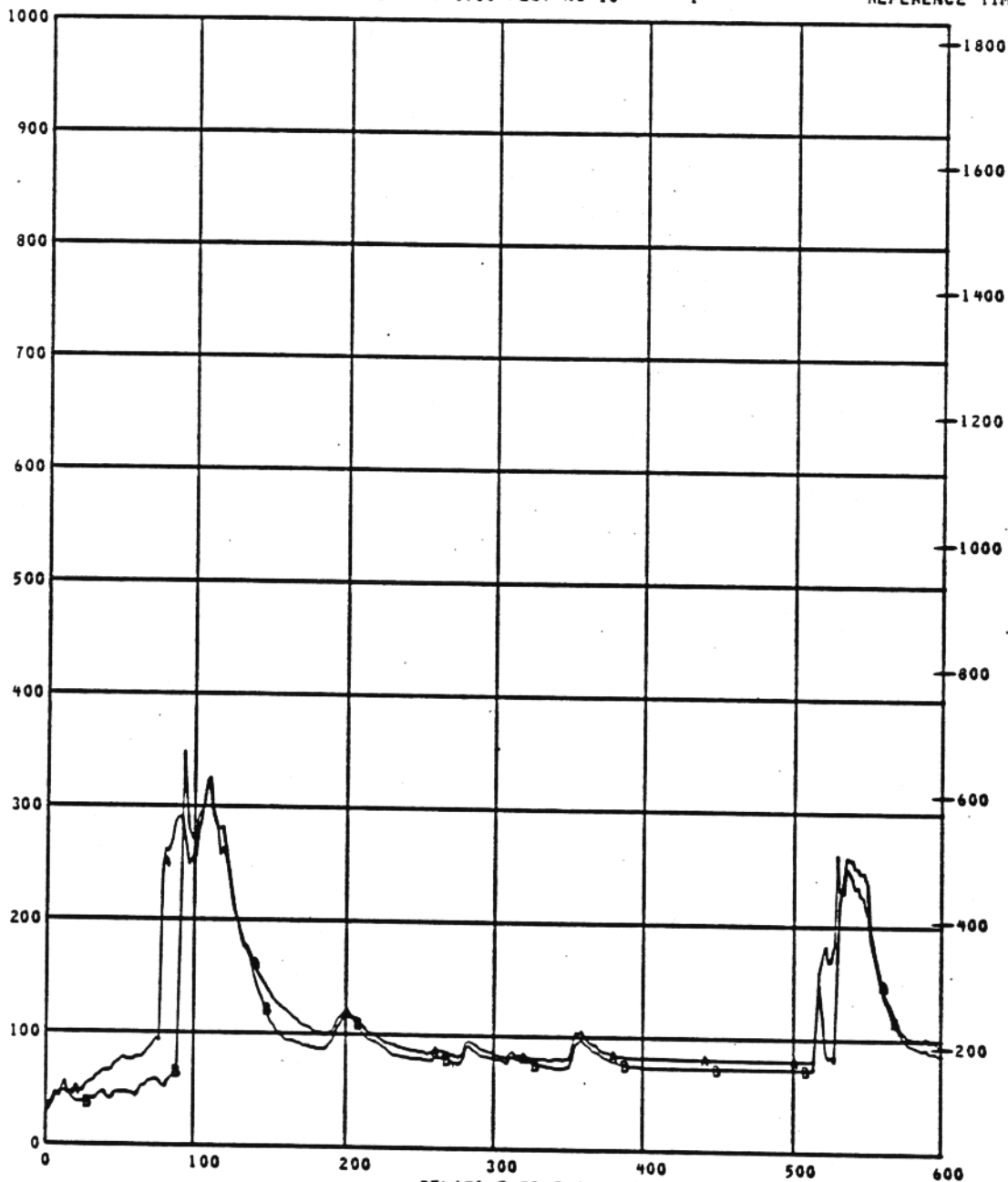
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER
\$ TSR1
\$ TSR2

CHANNEL ASGN.
107
108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

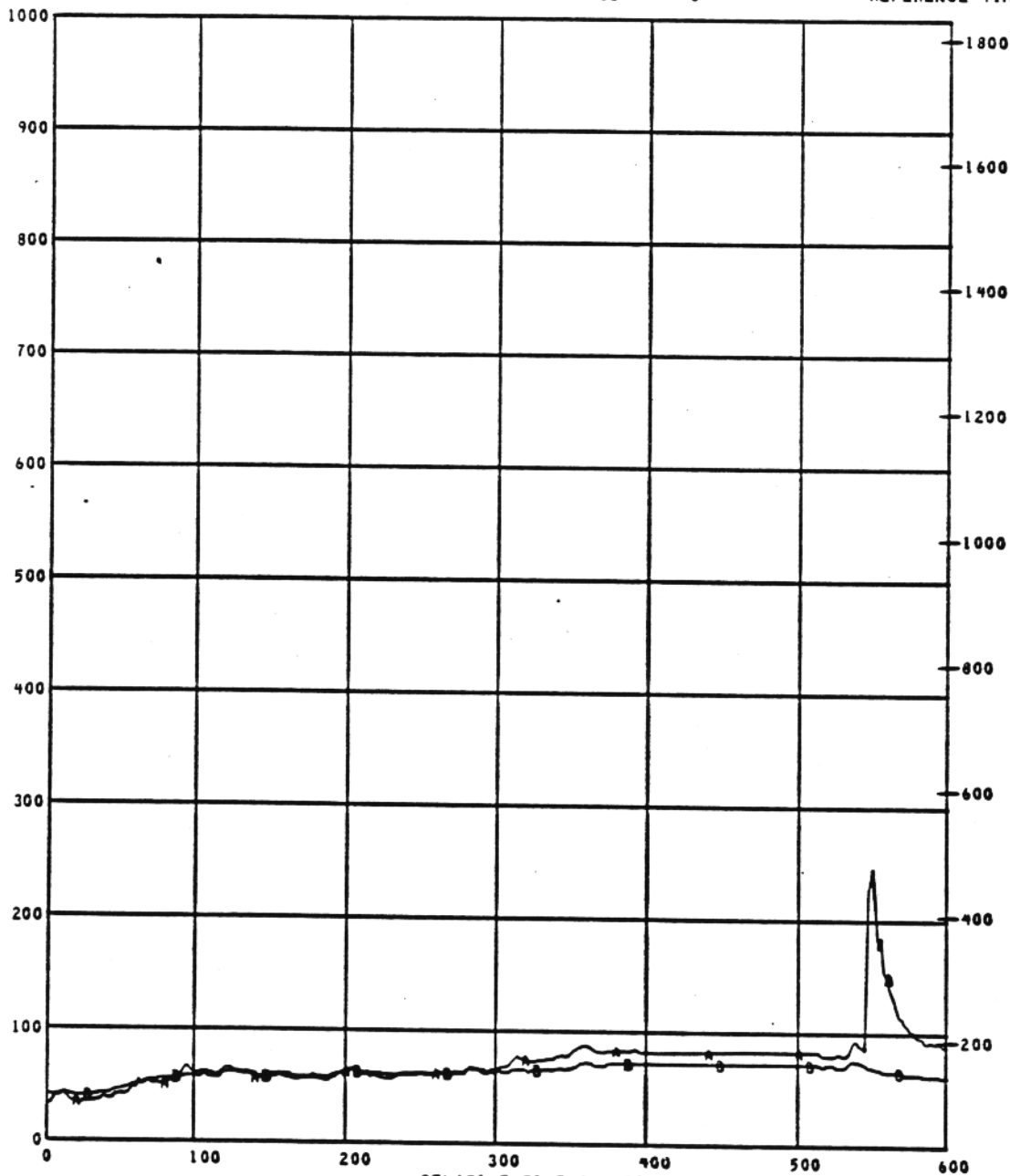
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSR3	109
\$ TBL1	110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

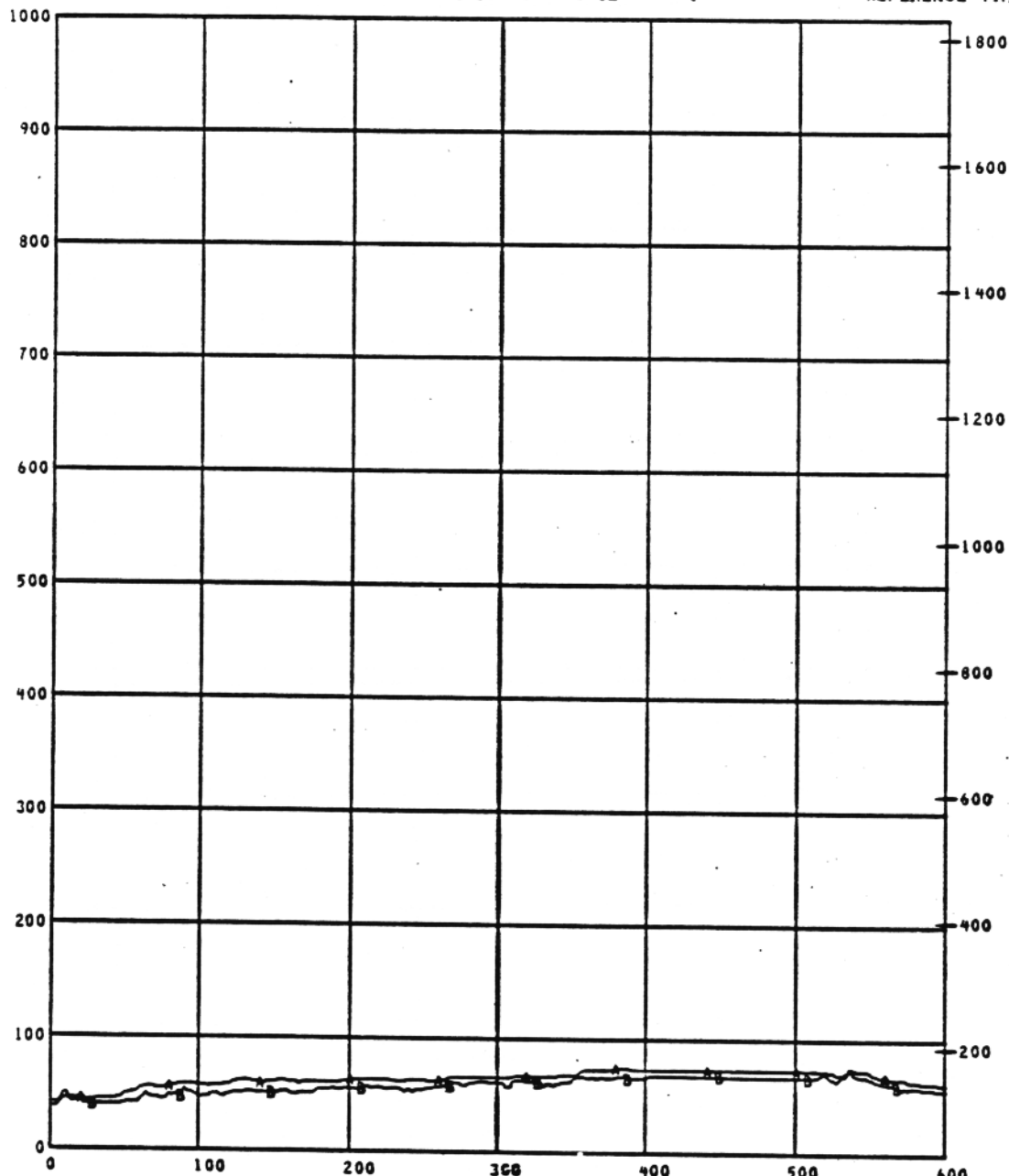
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS7B

SEAT TST-OCT 1986 PLCT NO 12 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER	CHANNEL ASGN.
s TBL2	111
s TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

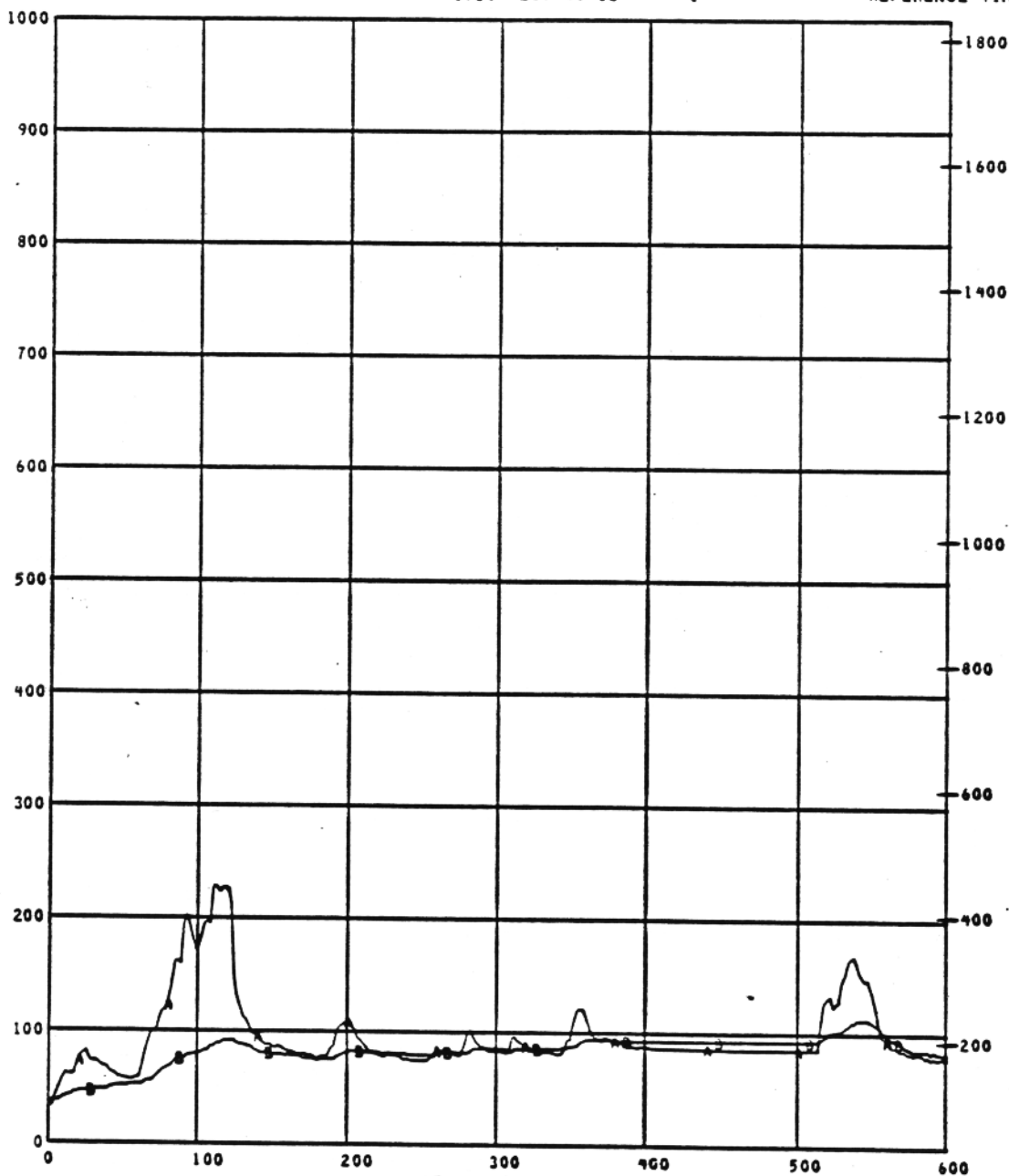
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 10 43 50.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBC1	113
\$ TBC2	114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

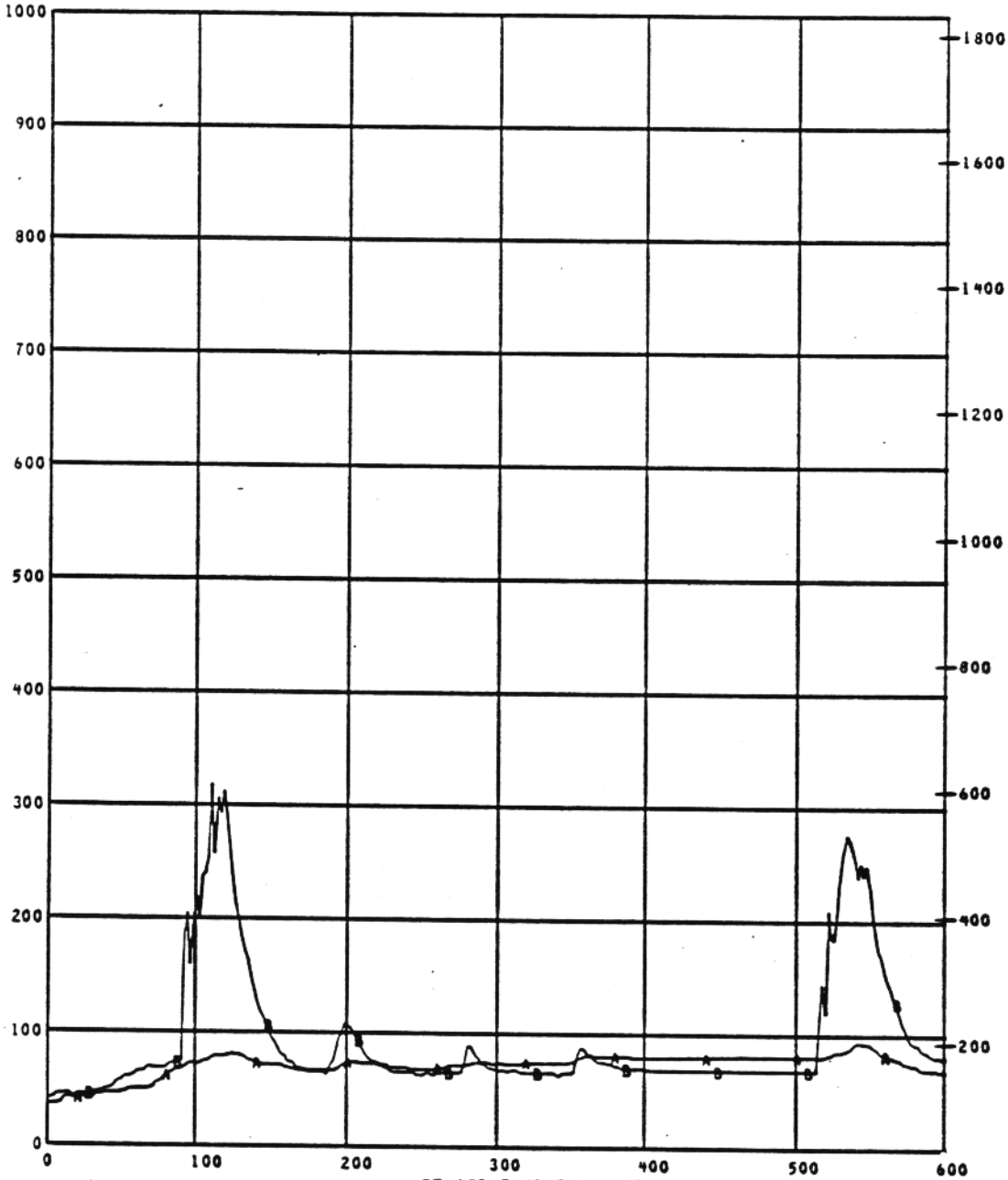
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NA57B

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER
s TBC3
s TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

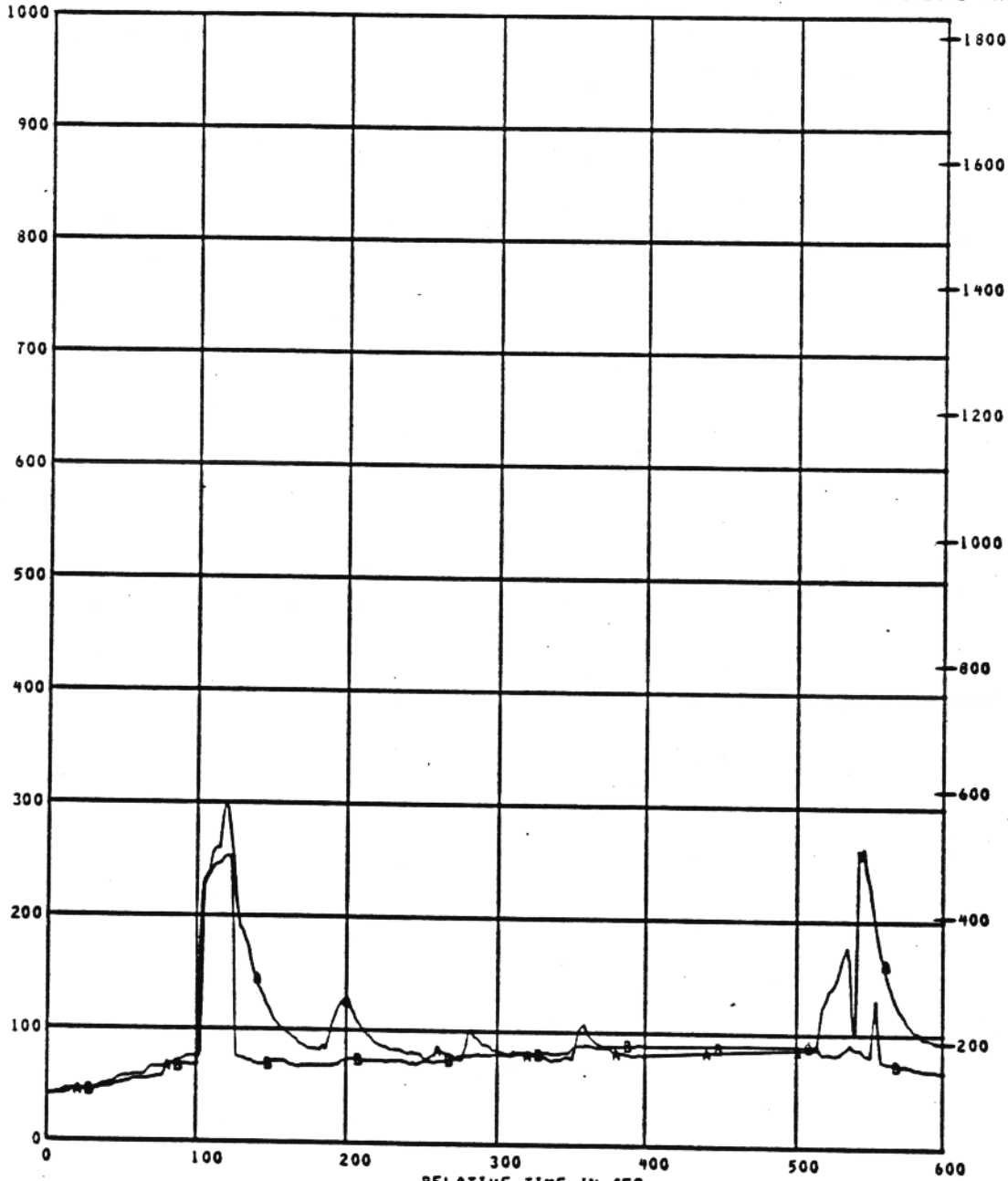
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER
\$ TBR2
\$ TBR3

CHANNEL ASGN.
117
118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

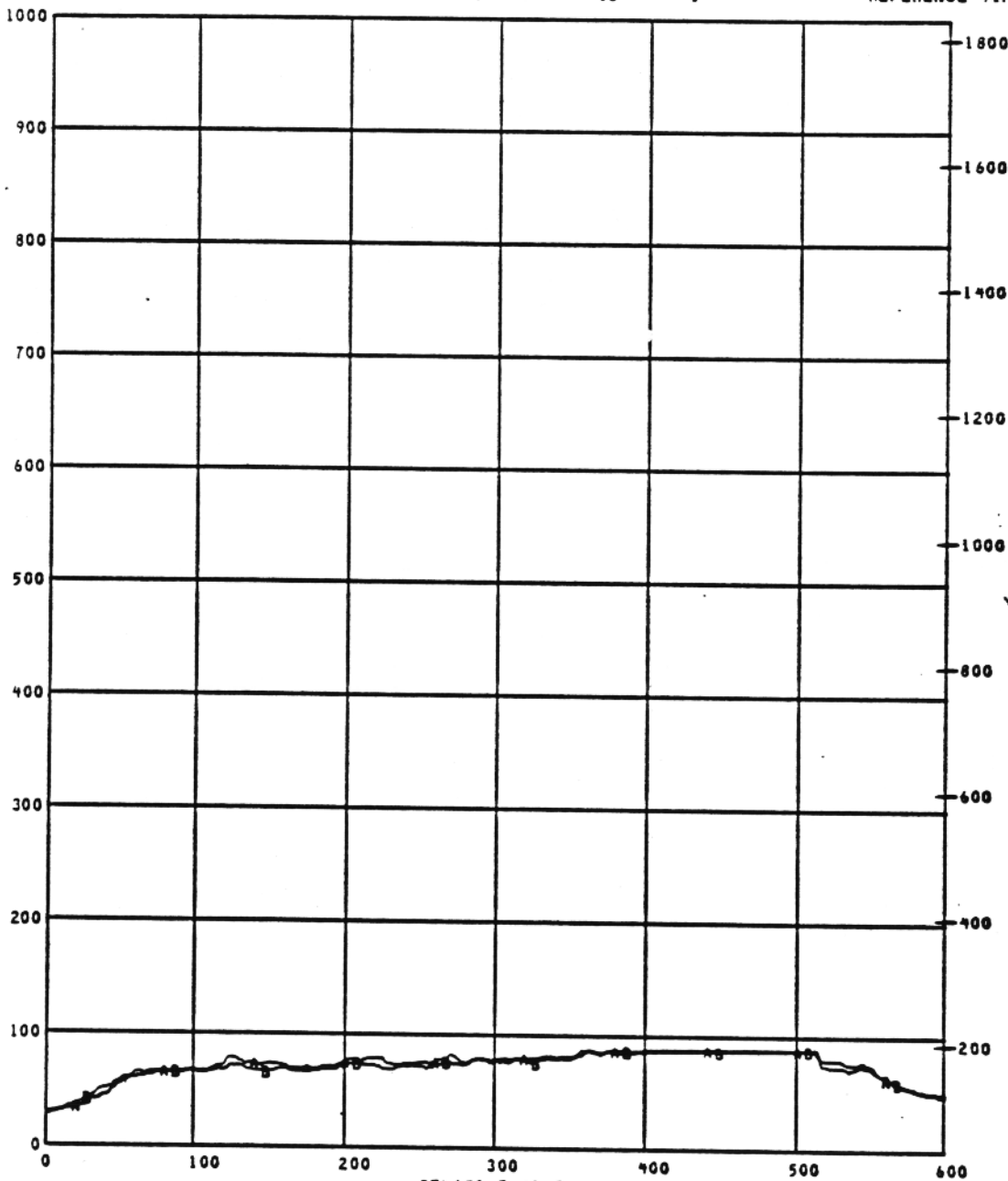
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS7B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 10 43 50.000



MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

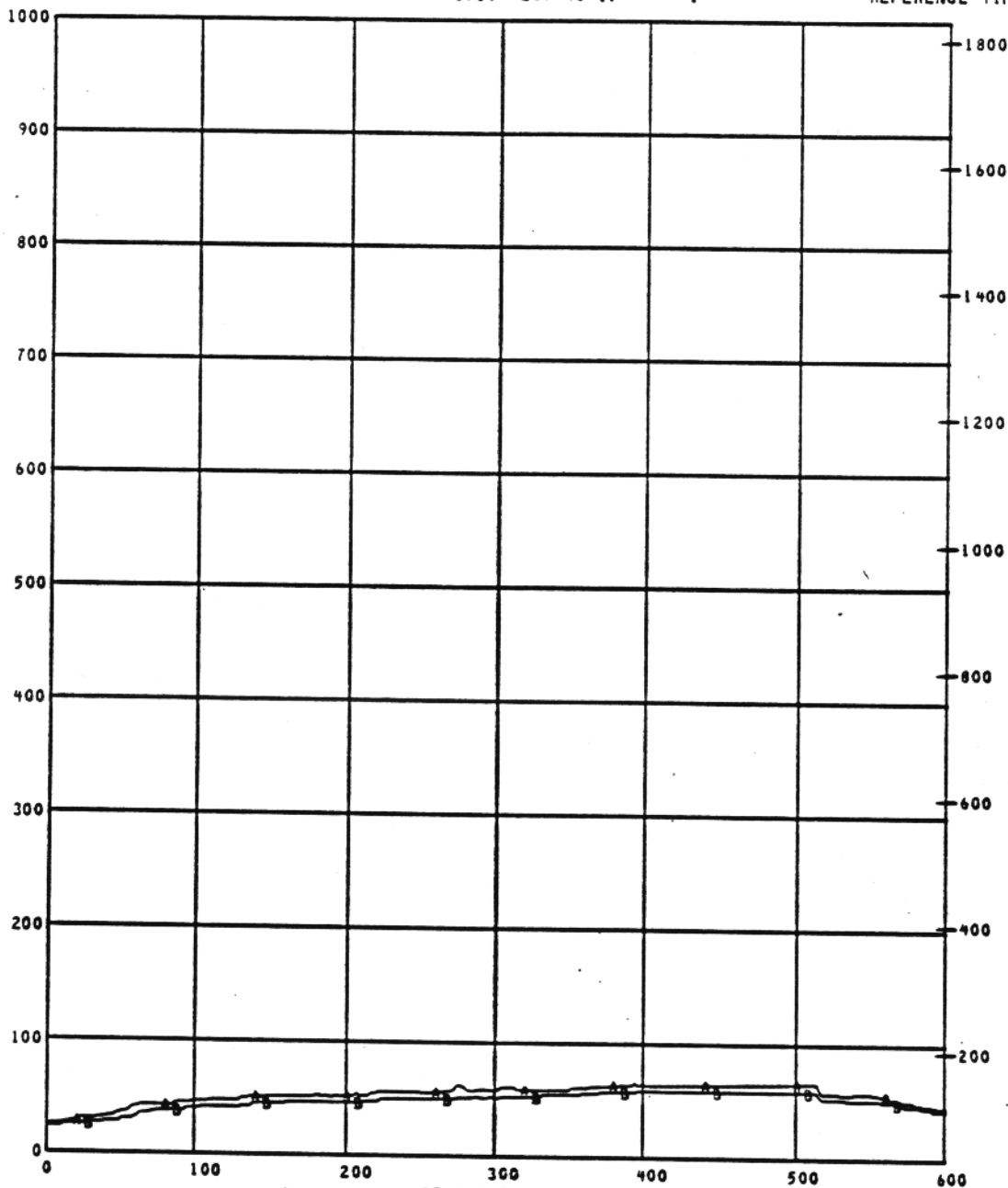
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
CEG C AA
CEG C AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 10 43 50.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TCM	121
\$ TCW	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

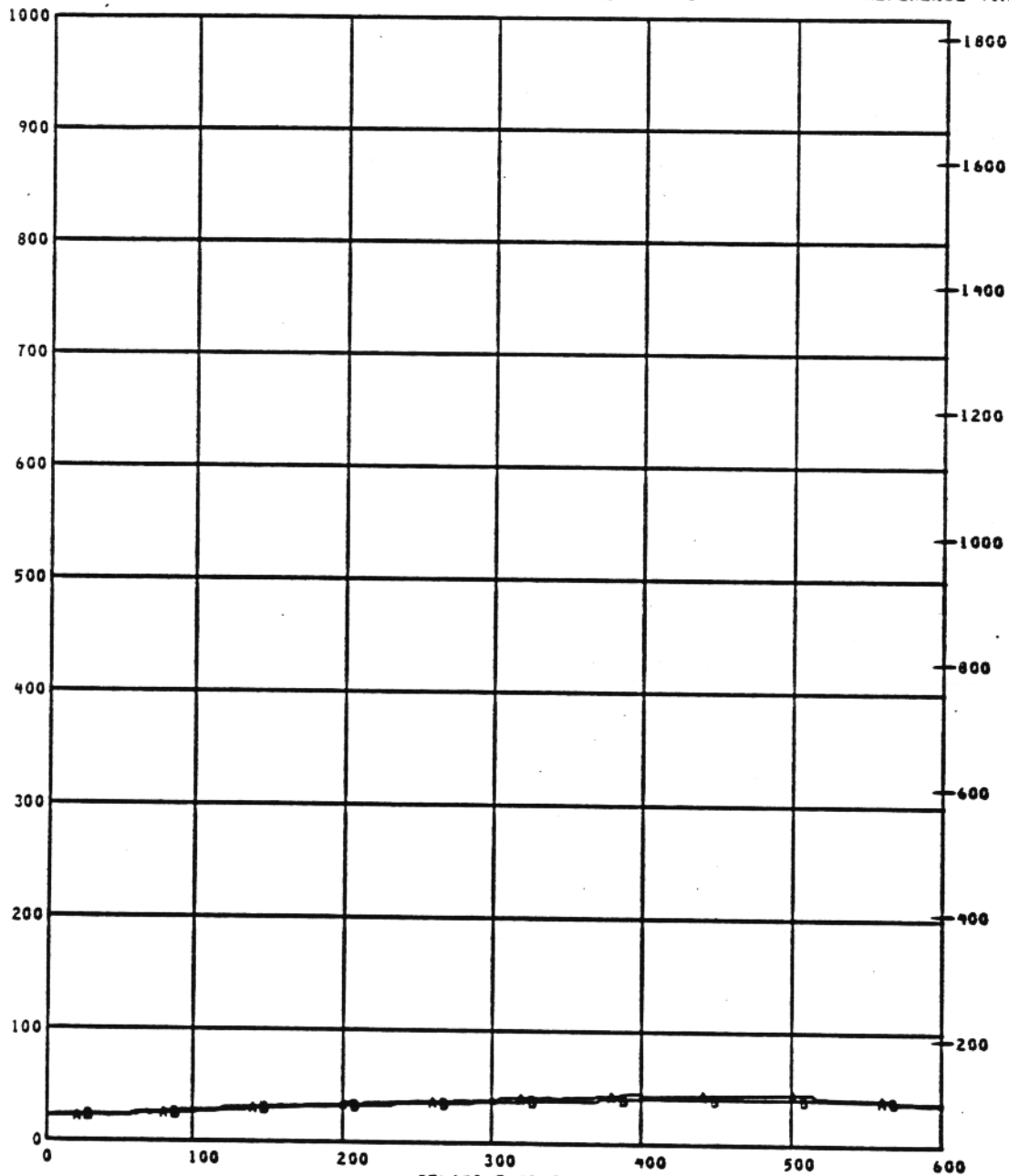
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 10 43 50.000



D
E
G
F

MEAS. NUMBER
s TRC
s TAO

CHANNEL ASGN.
123
124

TITLE
TEMP-ANIMAL CAGE
TEMP-AIR OUT

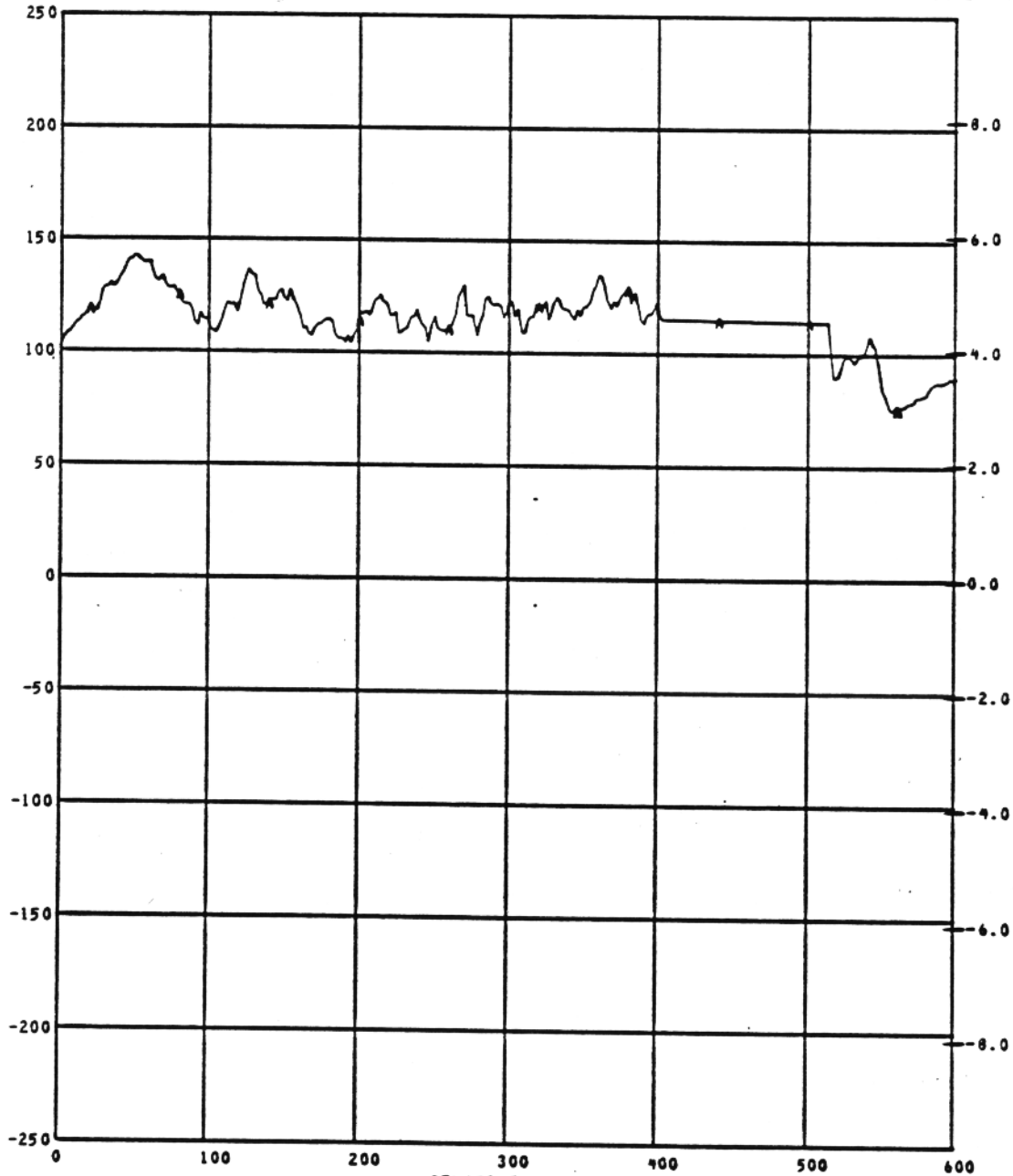
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS78

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 10 43 50.000



I
N
H
2
0

MEAS. NUMBER
5 DPC

CHANNEL ASGN.
098

RELATIVE TIME IN SEC
TITLE
CABIN DELTA PRESSURE

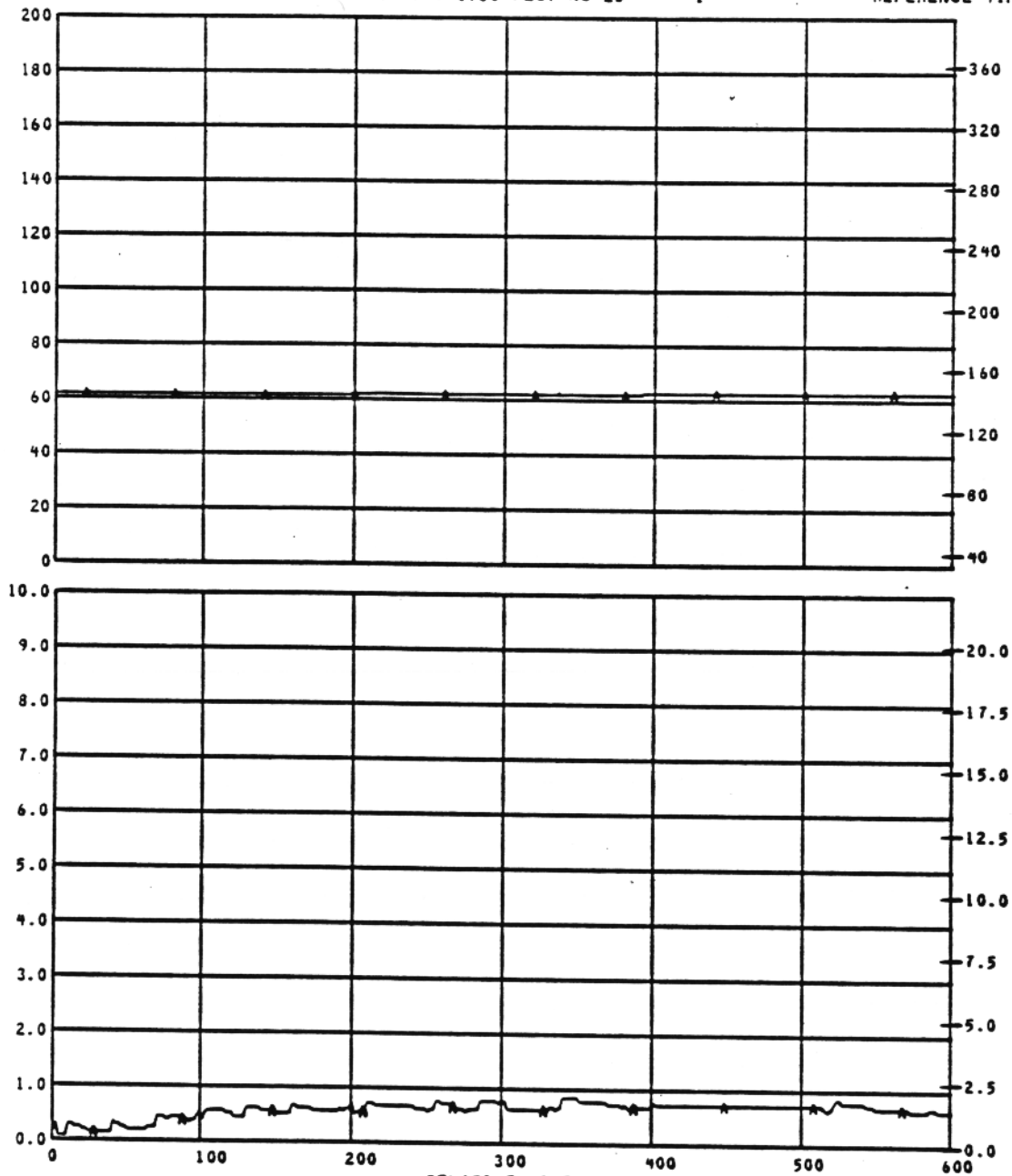
RANGE
-250 TO 250

UNITS GRID-SYM
MM H2O AA

TEST ID NAST8

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 10 43 50.000



D
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G
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L
B
S

MEAS. NUMBER
s TLC
s WL

CHANNEL ASGN.
125
149

TITLE
TEMP-LOAD CELL
WEIGHT LOSS

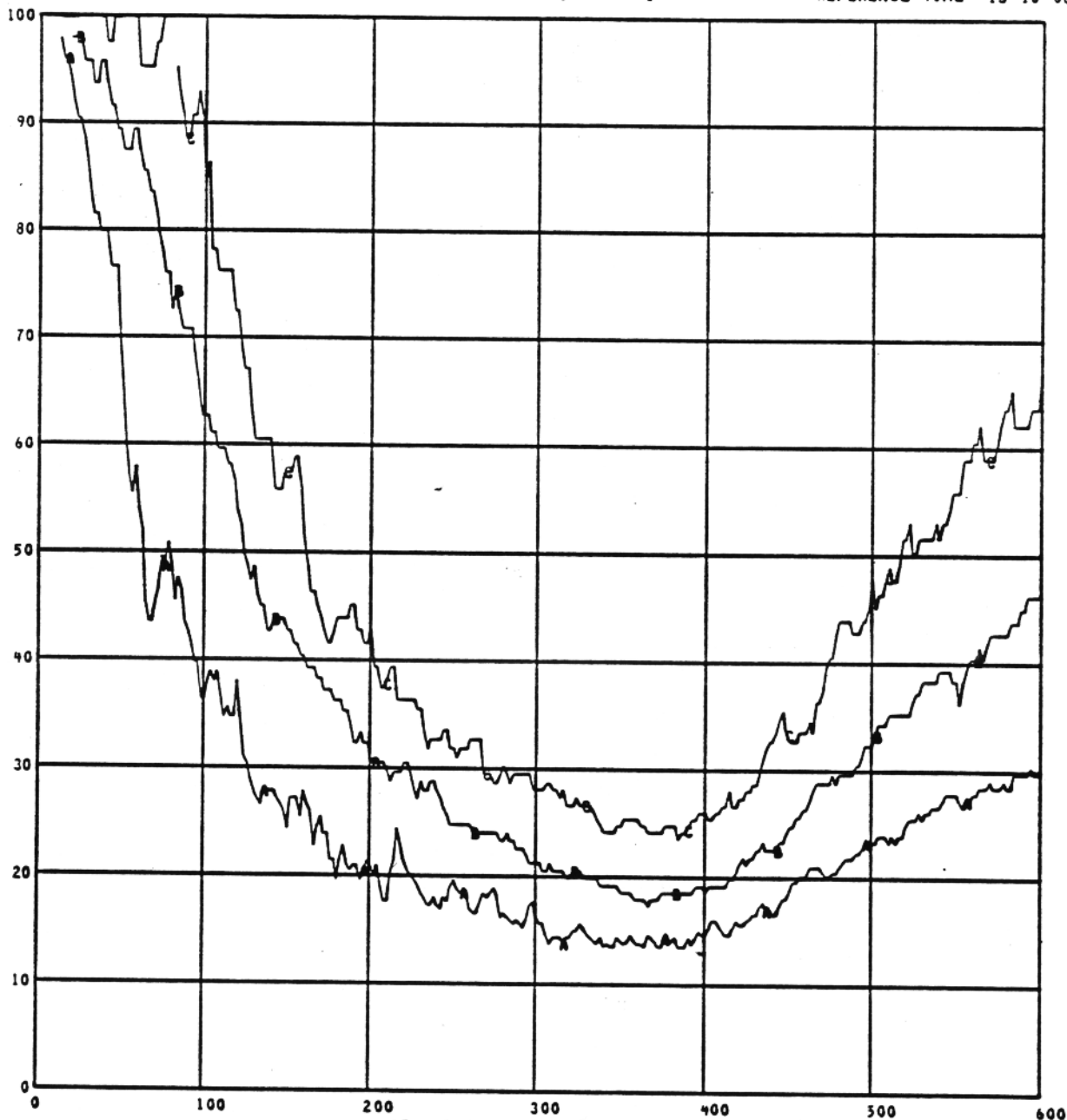
RANGE
0 TO 200
0.0 TO 10.0

UNITS GRID-SYM
DEG C AA
KG BA

TEST ID NAS8B

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 13 10 08.000

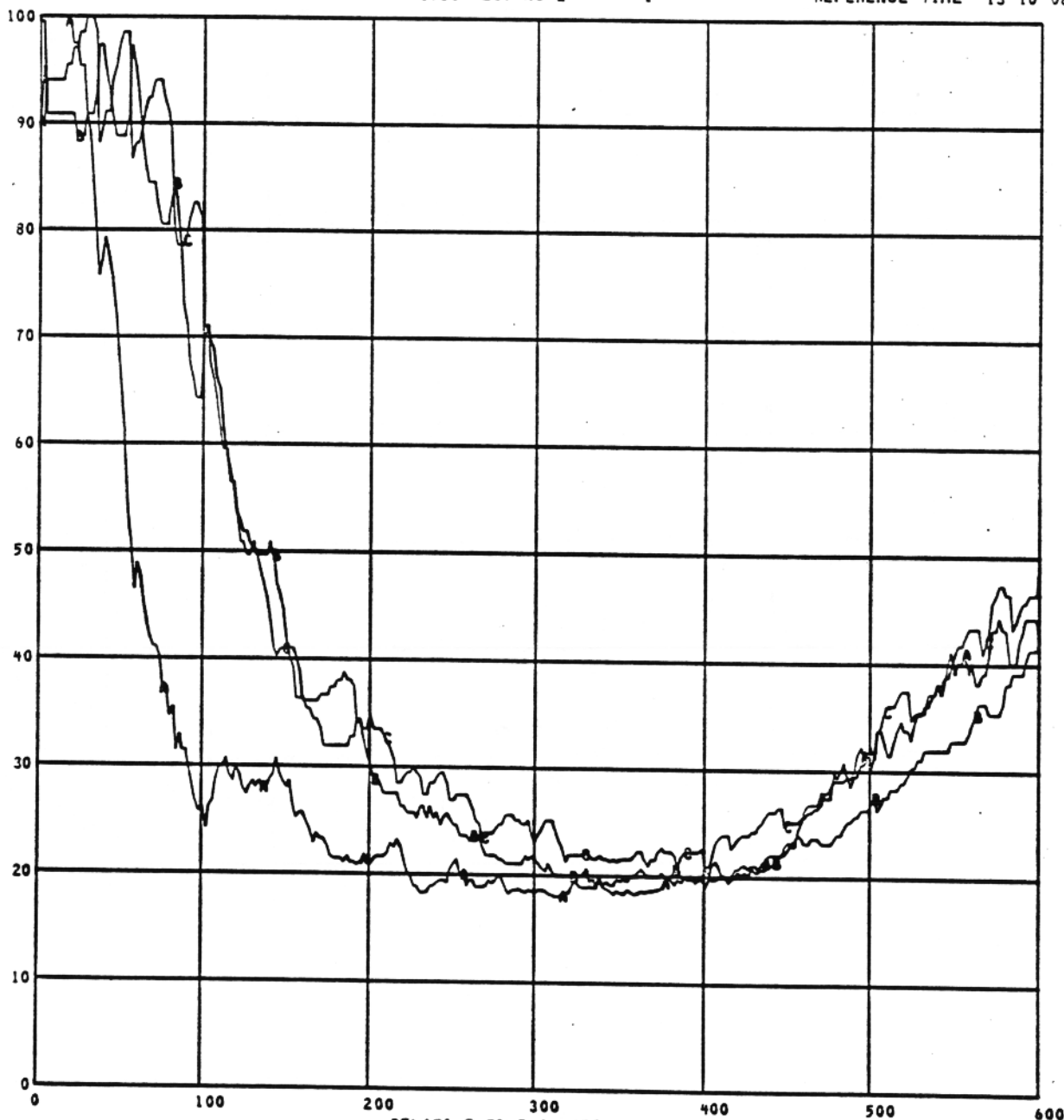


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS8B

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 13 10 08.000

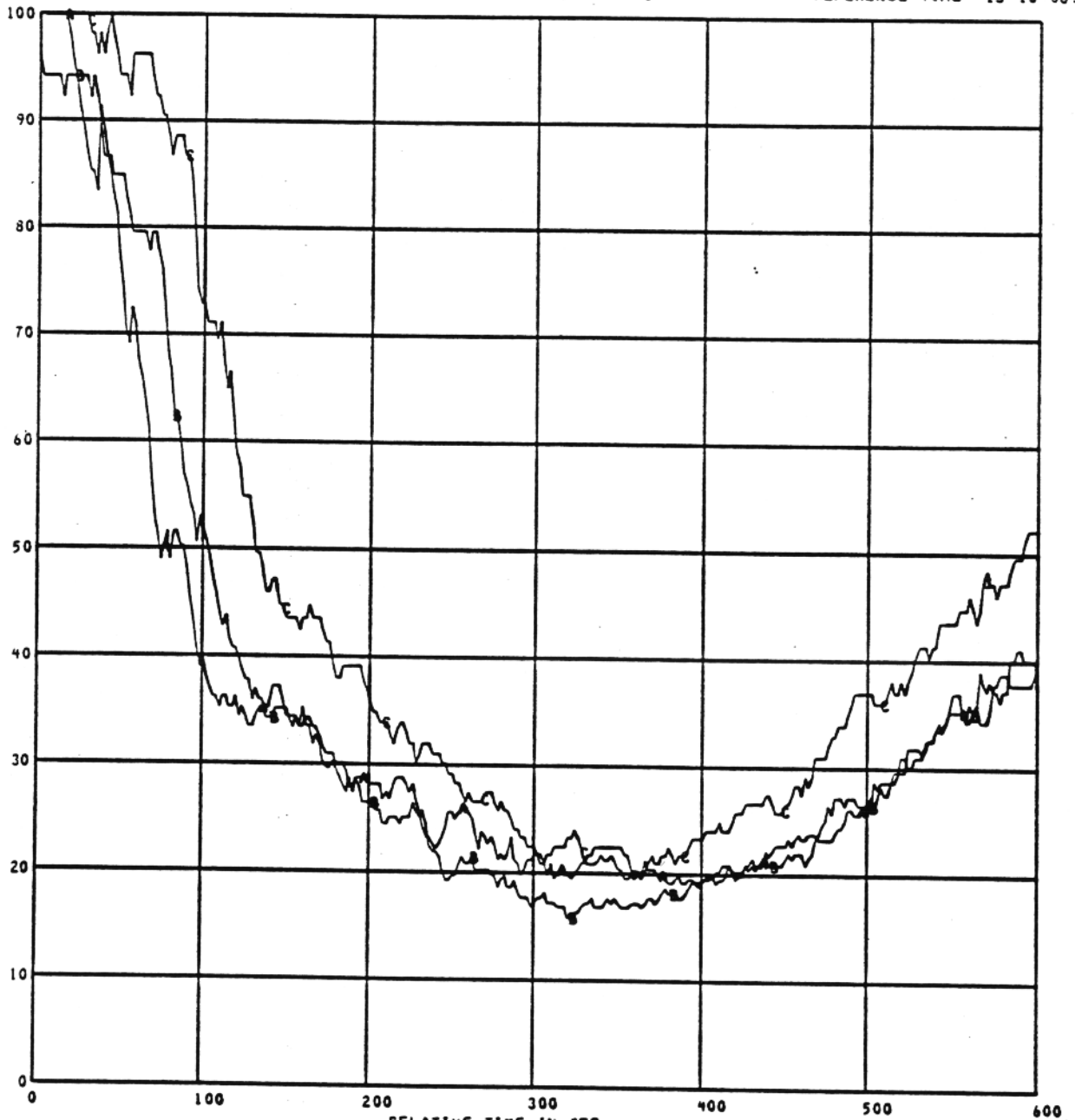


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 13 10 08.000

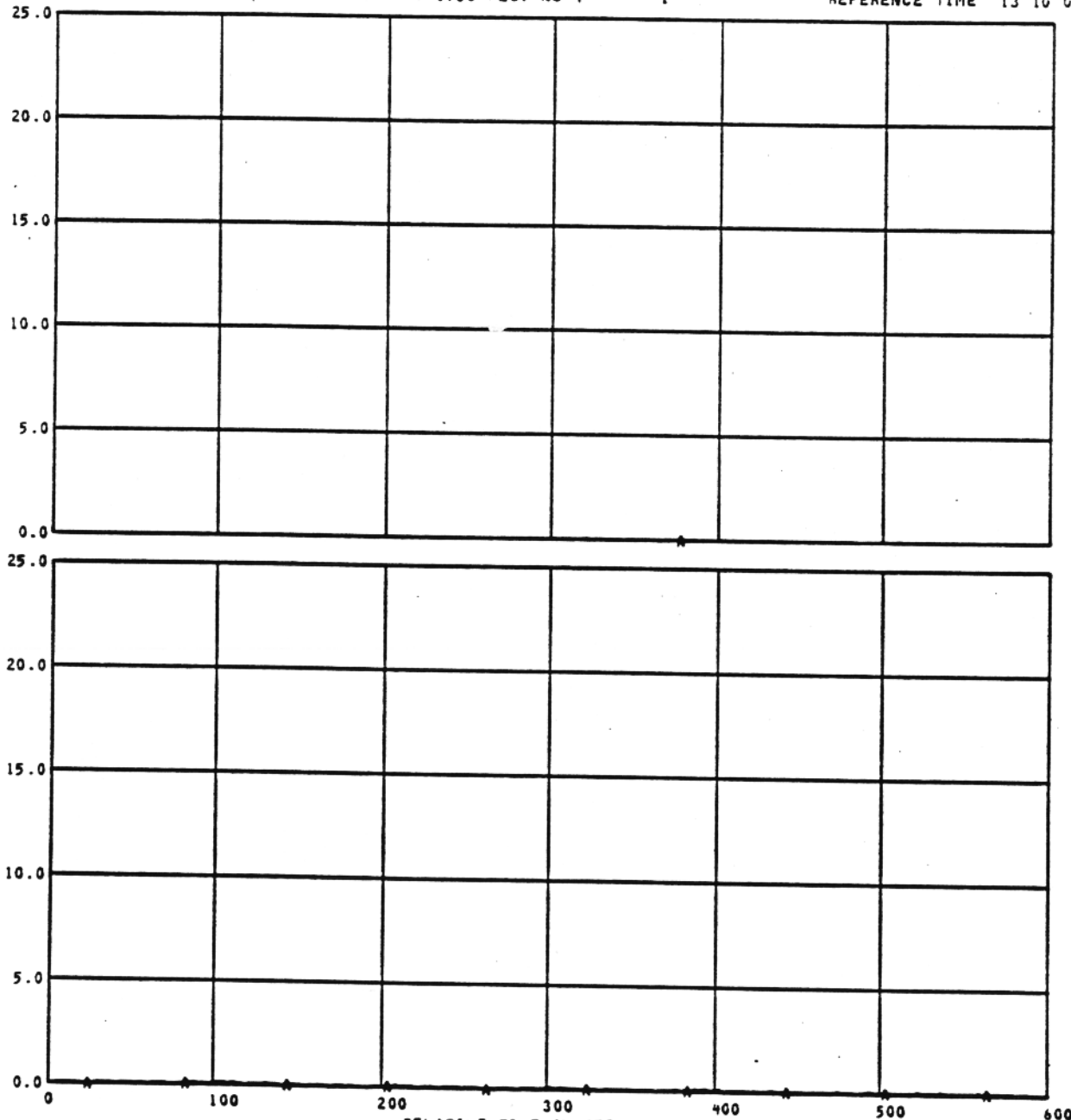


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 4 - 1

REFERENCE TIME 13 10 08.000

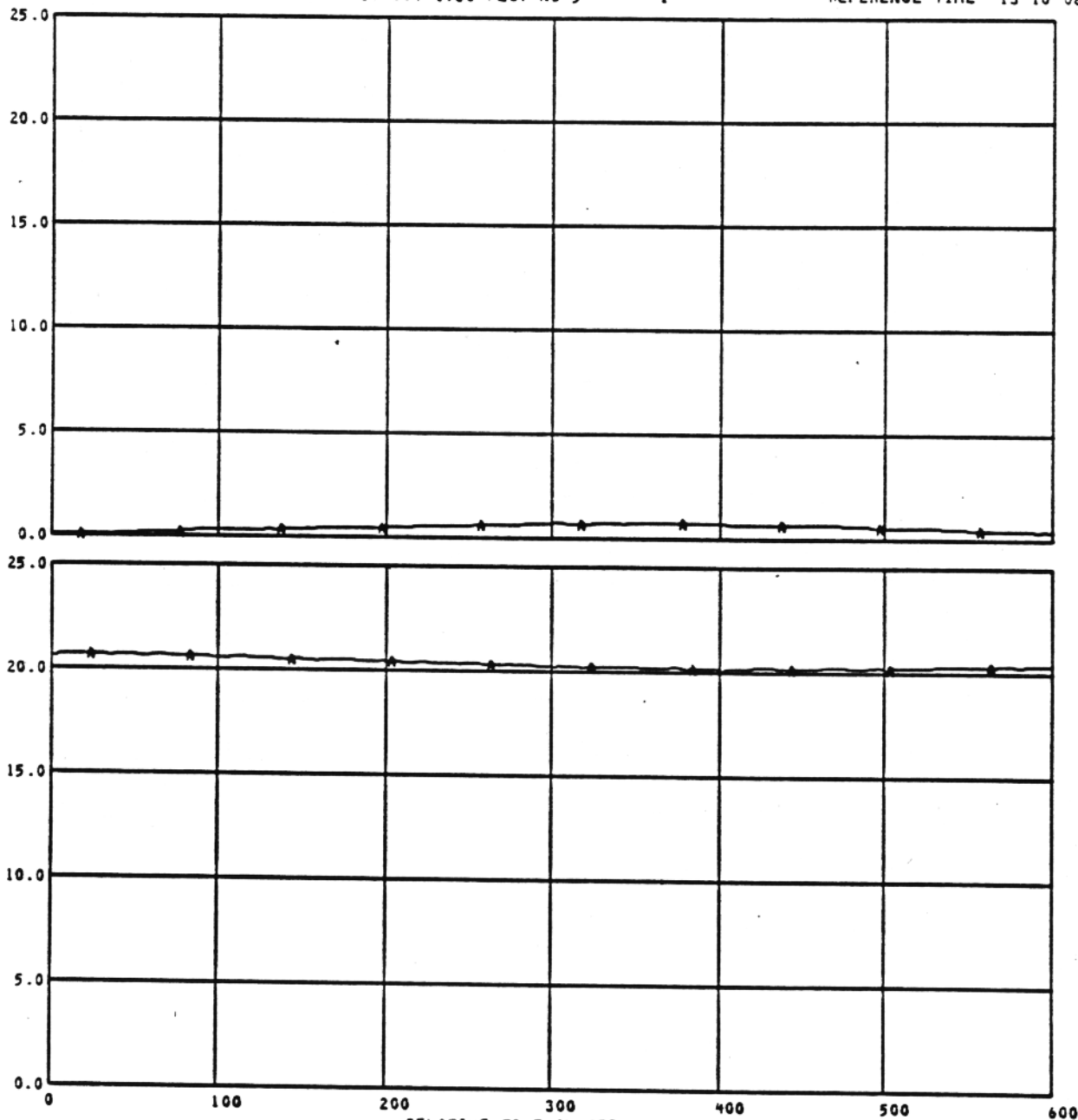


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 5 - 1

REFERENCE TIME 13 10 08.000



MEAS. NUMBER
CO2E
O2E

CHANNEL ASGN.
090
094

TITLE
CARBON DIOXIDE EXHAUST
OXYGEN EXHAUST

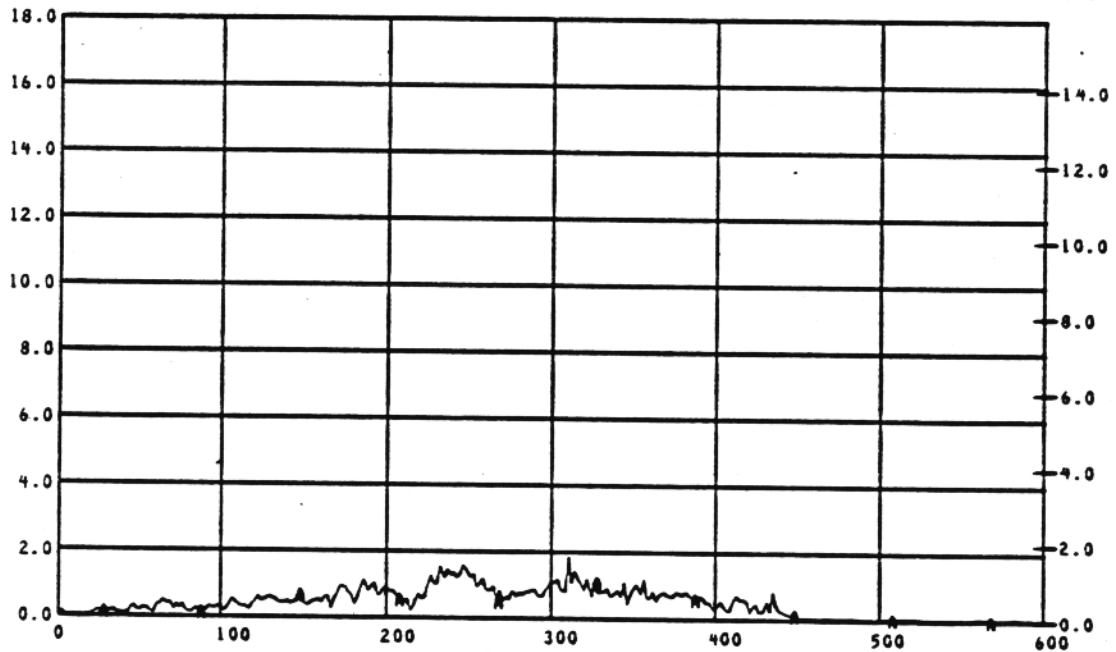
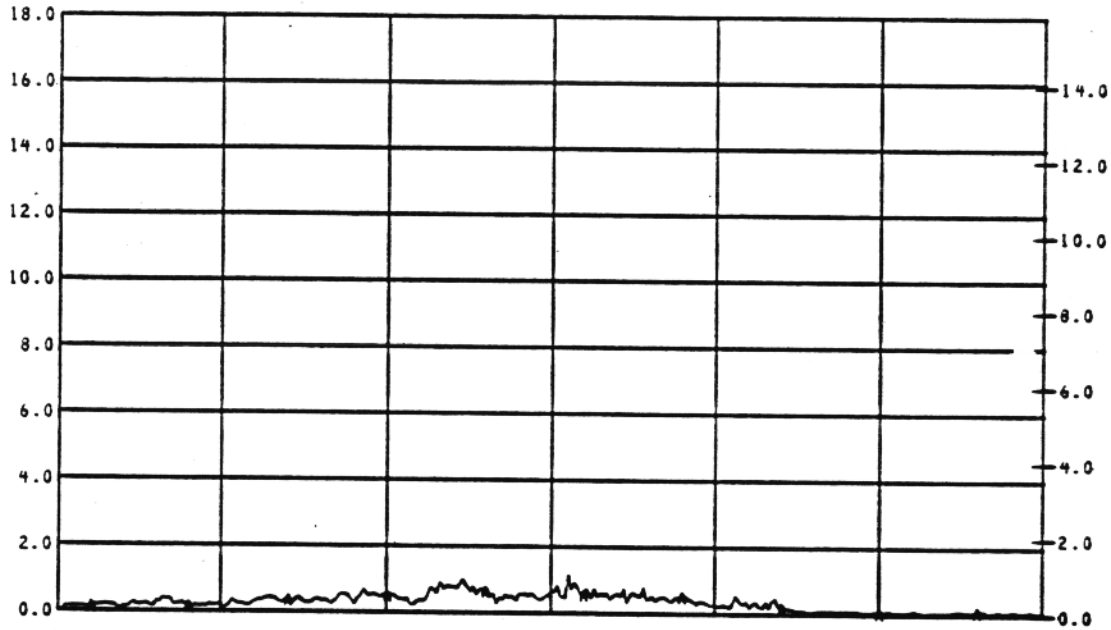
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 13 10 08.000

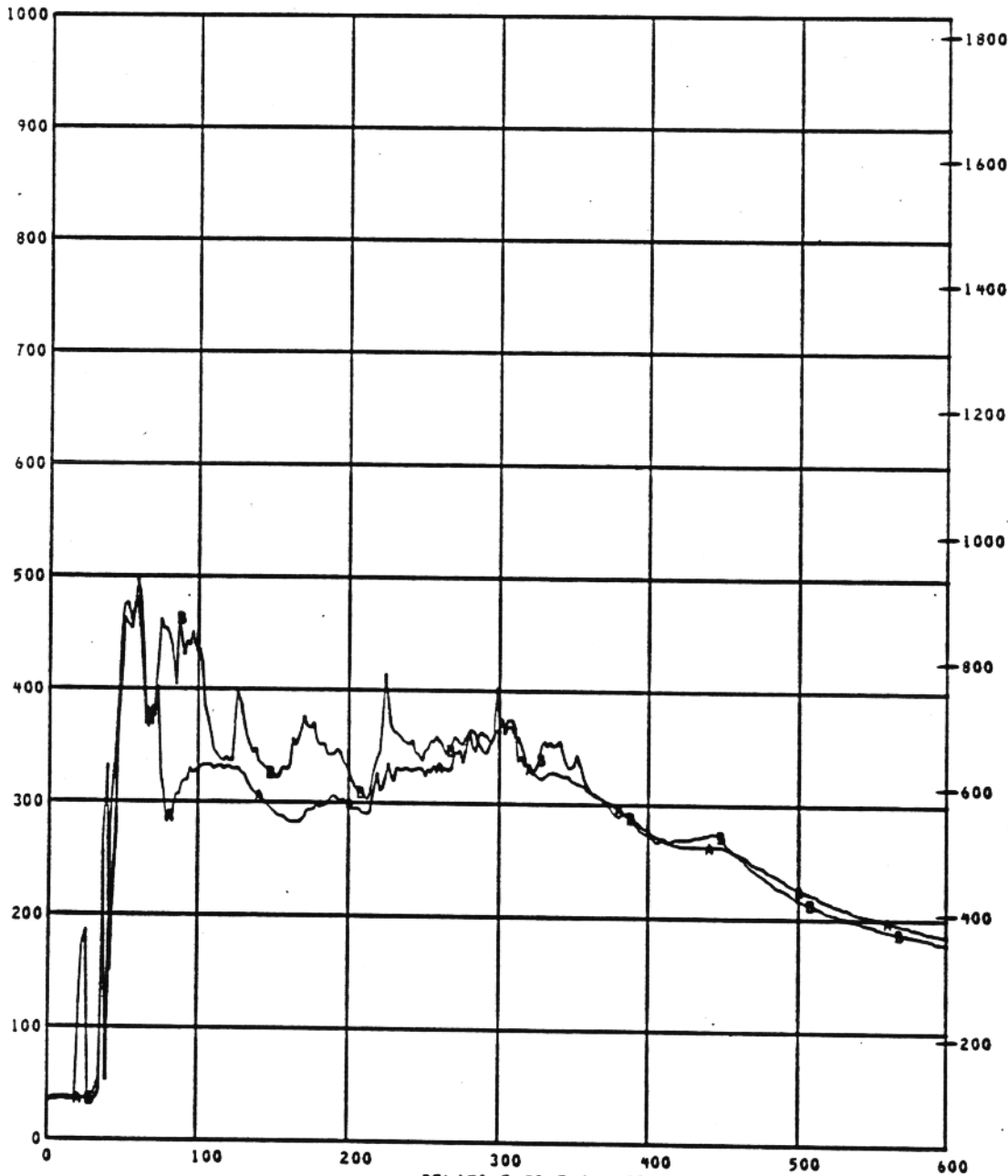


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS GRID-SYM
\$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2 AA
\$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2 BA

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 7 - 1

REFERENCE TIME 13 10 08.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
* TSL1	101
* TSL2	102

TITLE
TEMP-SEAT LEFT FRONT
TEMP-SEAT LEFT MIDDLE

RANGE
0 TO 1000
0 TO 1000

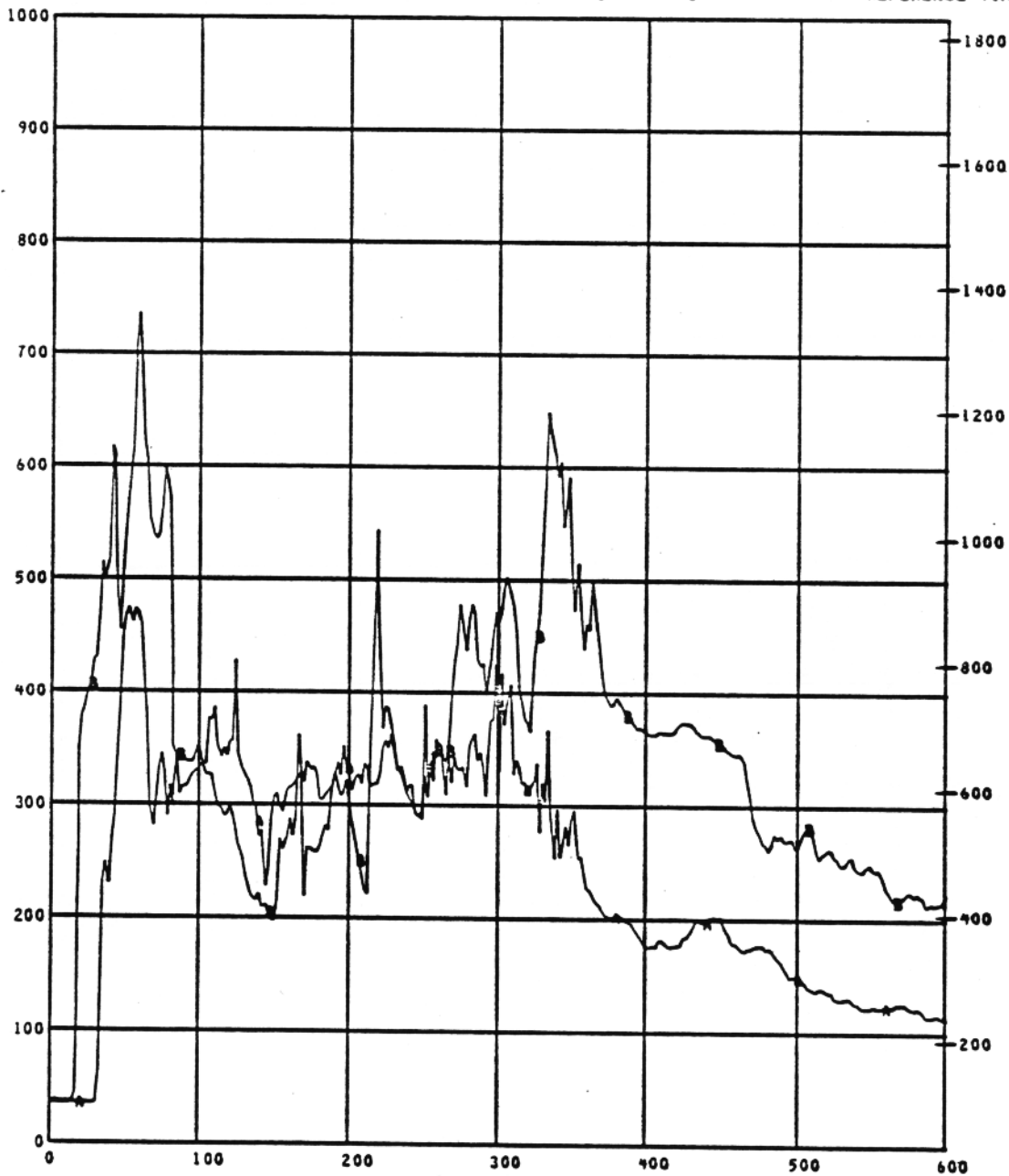
UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 8

- 1

REFERENCE TIME 13 10 08.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TSL3	103
\$ TSC1	104

TITLE
TEMP-SEAT LEFT REAR
TEMP-SEAT CENTER FRONT

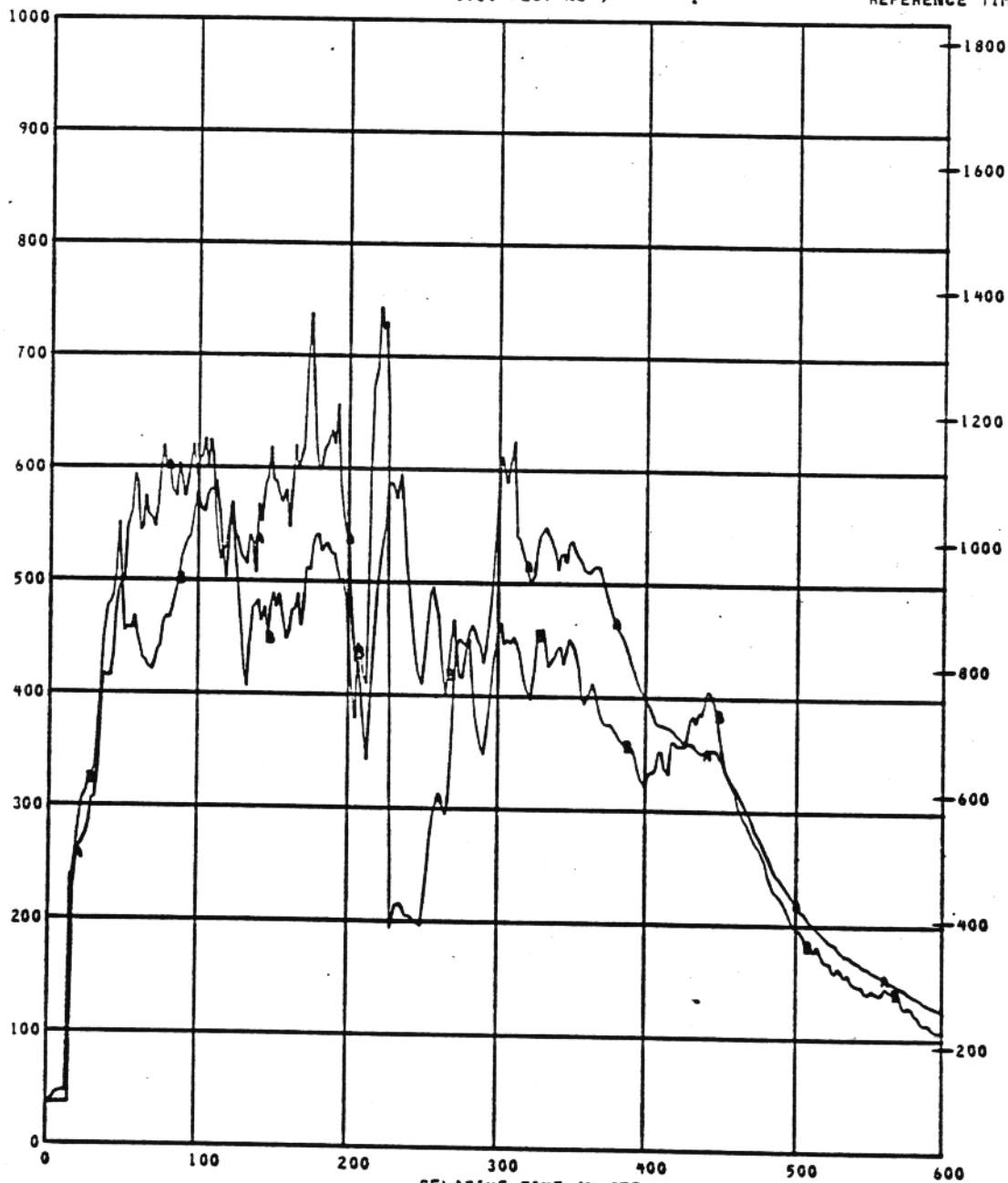
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 9 - 1

REFERENCE TIME 13 10 08.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TSC2	105
\$ TSC3	106

TITLE
TEMP-SEAT CENTER MIDDLE
TEMP-SEAT CENTER REAR

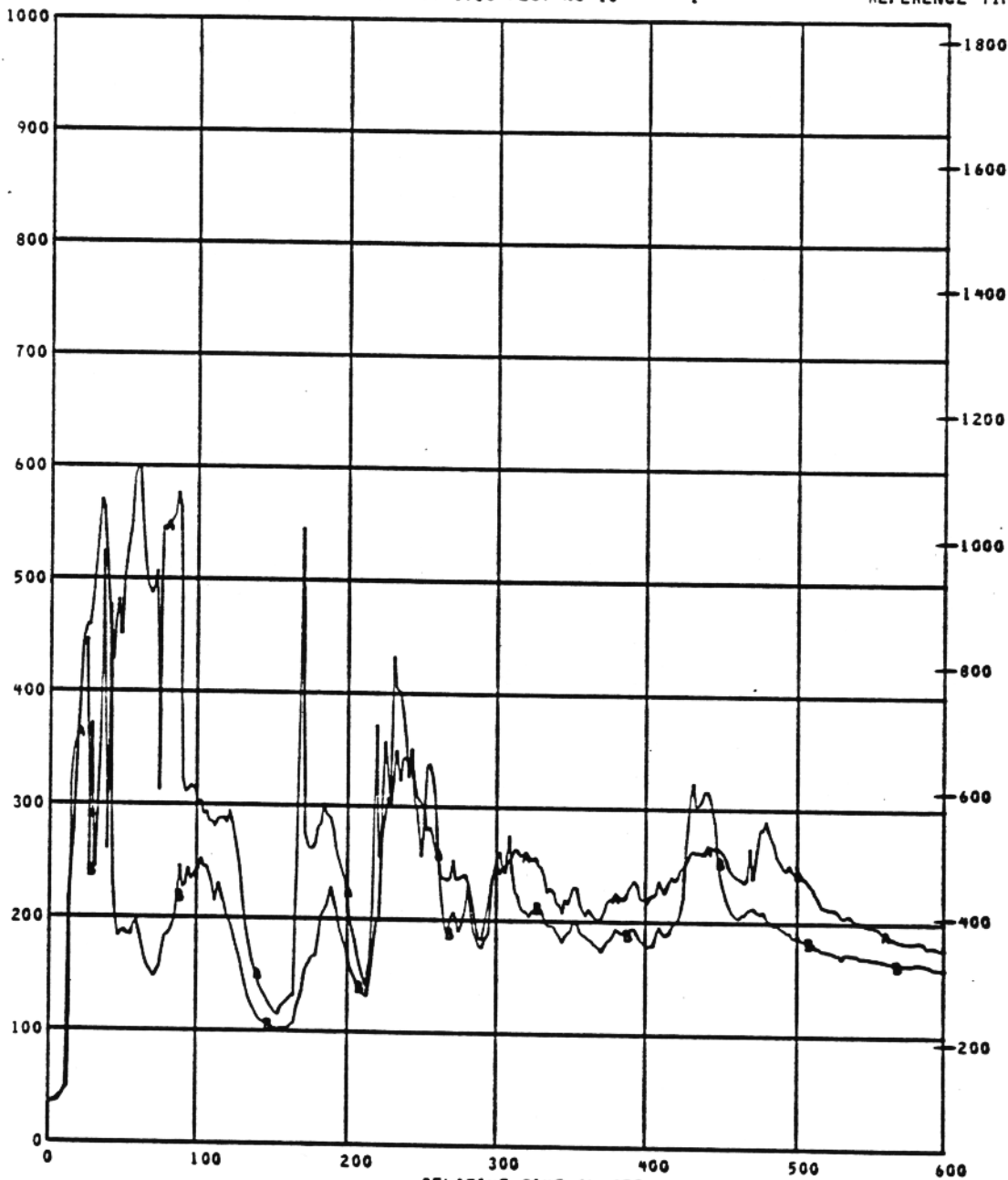
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 10 - 1

REFERENCE TIME 13 10 08.000



MEAS. NUMBER
\$ TSR1
\$ TSR2

CHANNEL ASGN.
107
108

TITLE
TEMP-SEAT RIGHT FRONT
TEMP-SEAT RIGHT MIDDLE

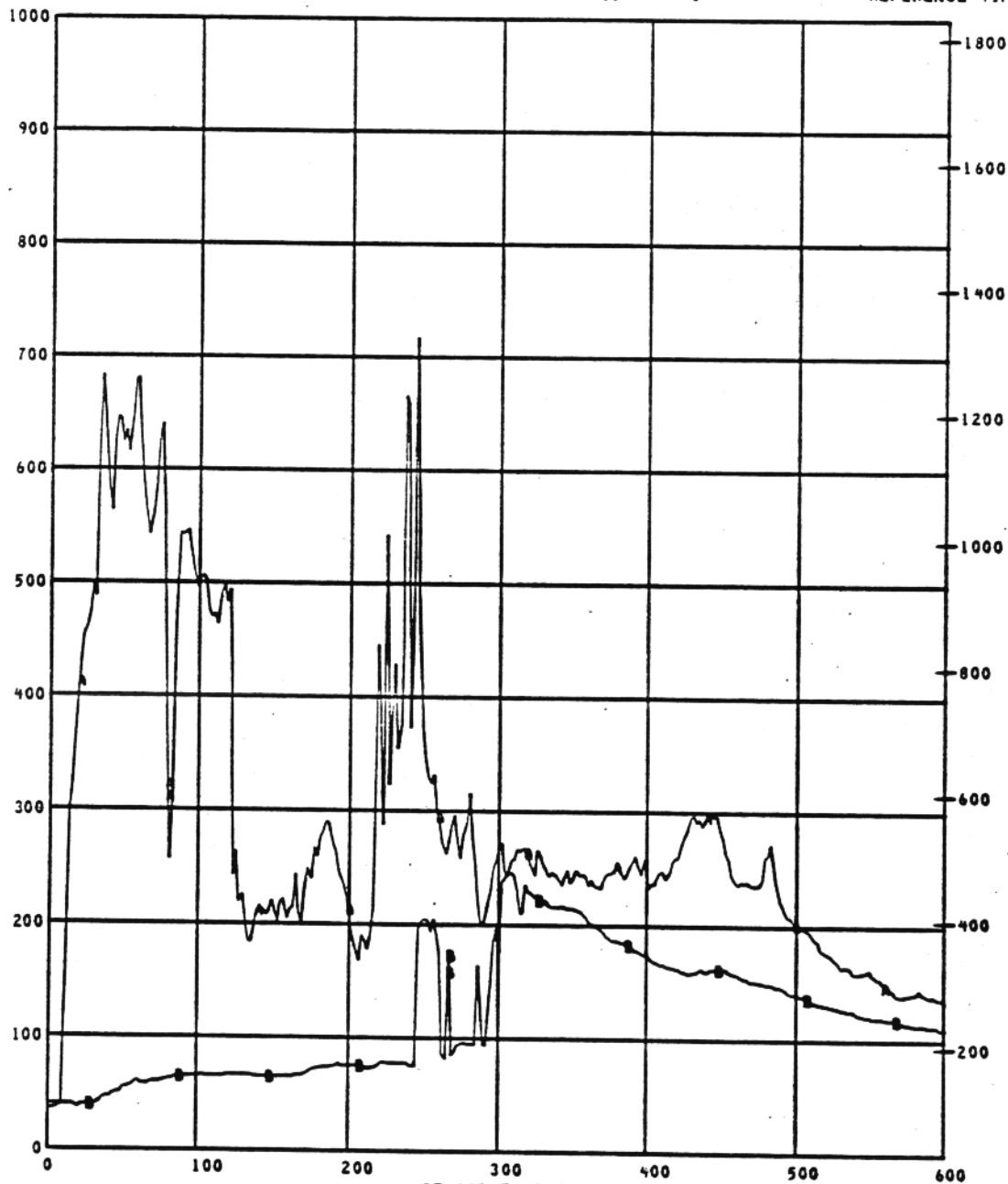
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 11 - 1

REFERENCE TIME 13 10 08.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TSR3	109
\$ TBL1	110

TITLE
TEMP-SEAT RIGHT REAR
TEMP-BACK LEFT BOTTOM

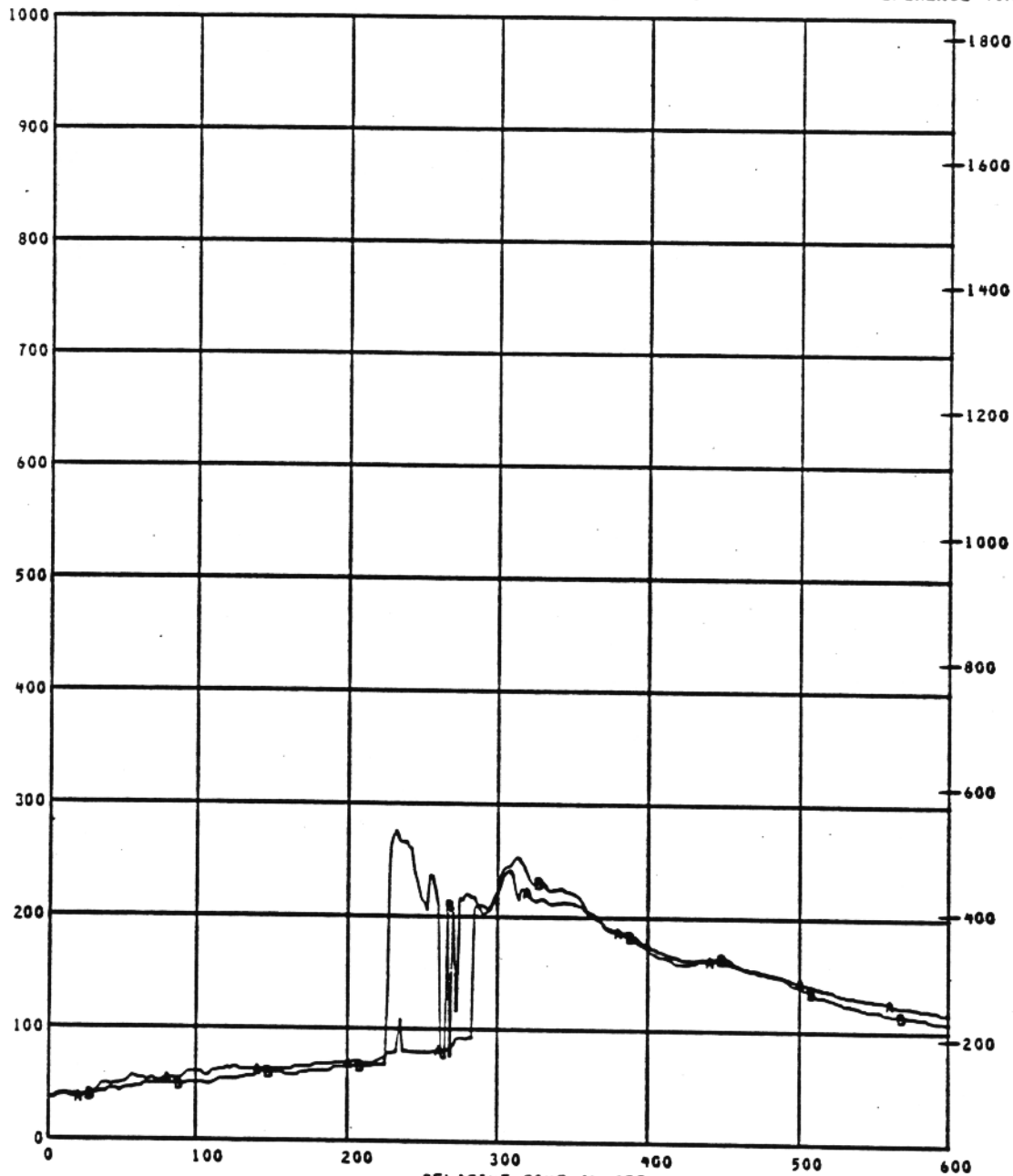
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 12 - 1

REFERENCE TIME 13 10 08.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBL2	111
\$ TBL3	112

TITLE
TEMP-BACK LEFT MIDDLE
TEMP-BACK LEFT TOP

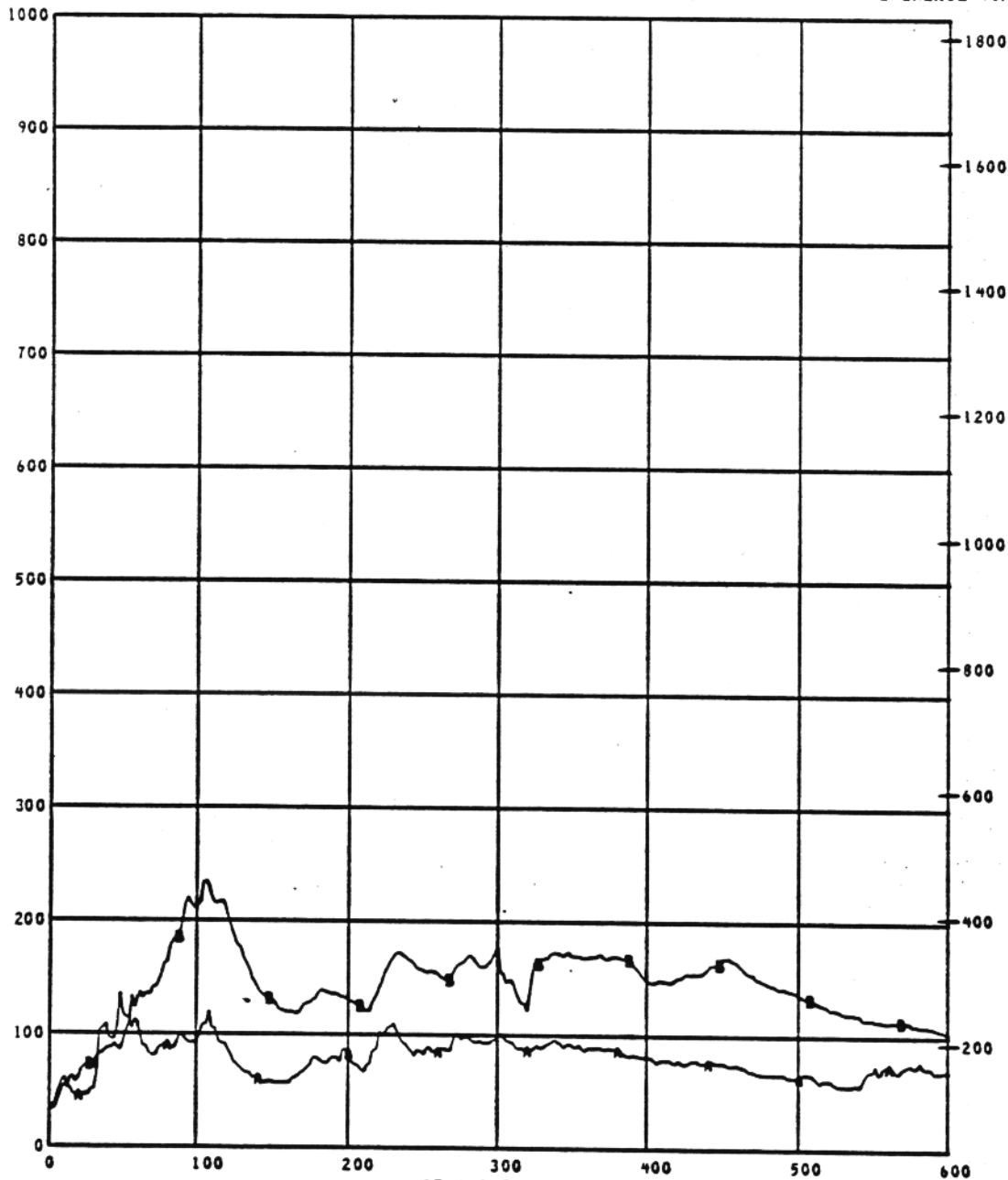
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 13 - 1

REFERENCE TIME 13 10 08.000



MEAS. NUMBER	CHANNEL ASGN.
\$ TBC1	113
\$ TBC2	114

TITLE
TEMP-BACK CENTER BOTTOM
TEMP-BACK CENTER MIDDLE

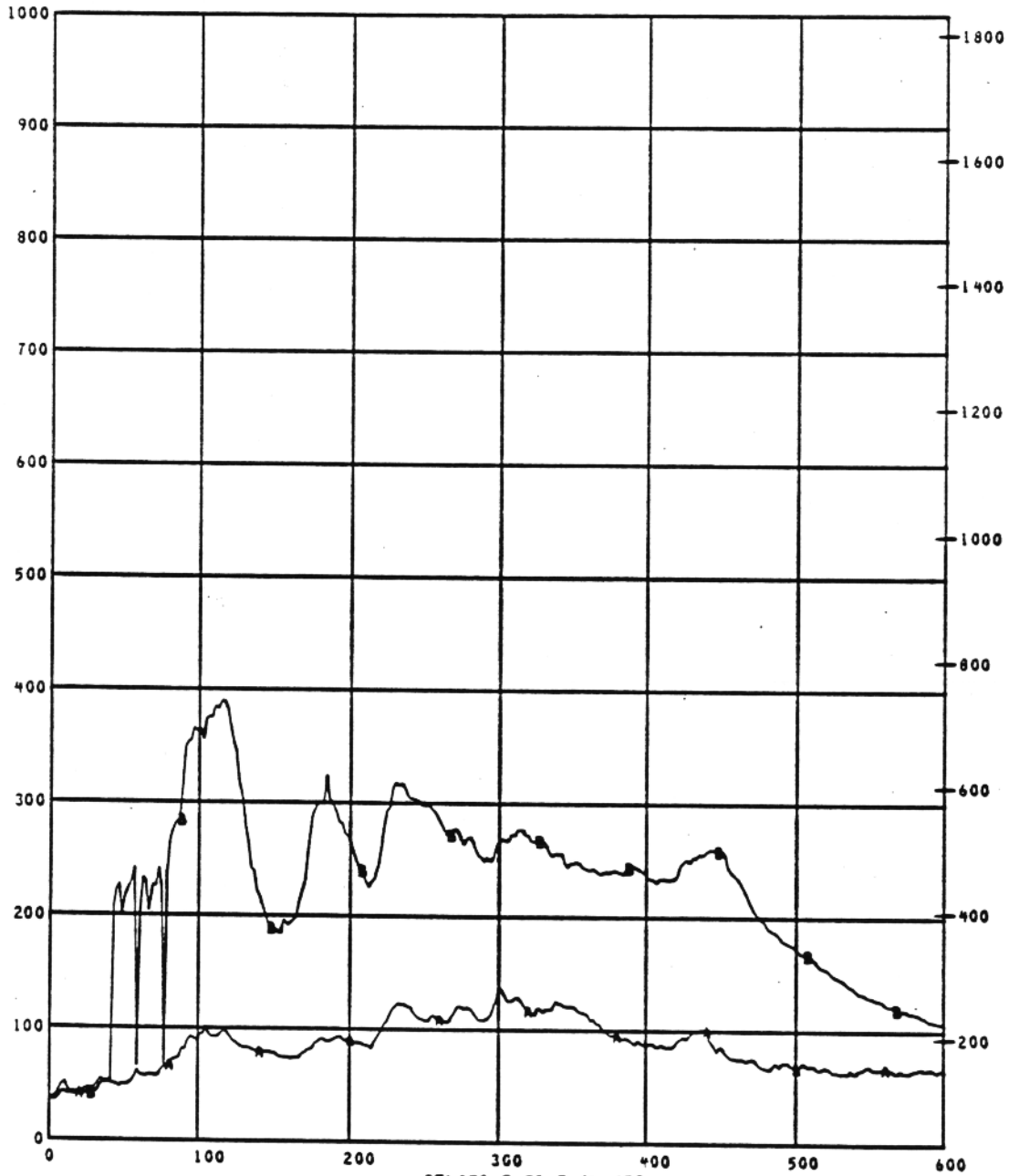
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 14 - 1

REFERENCE TIME 13 10 08.000



MEAS. NUMBER
\$ TBC3
\$ TBR1

CHANNEL ASGN.
115
116

TITLE
TEMP-BACK CENTER TOP
TEMP-BACK RIGHT BOTTOM

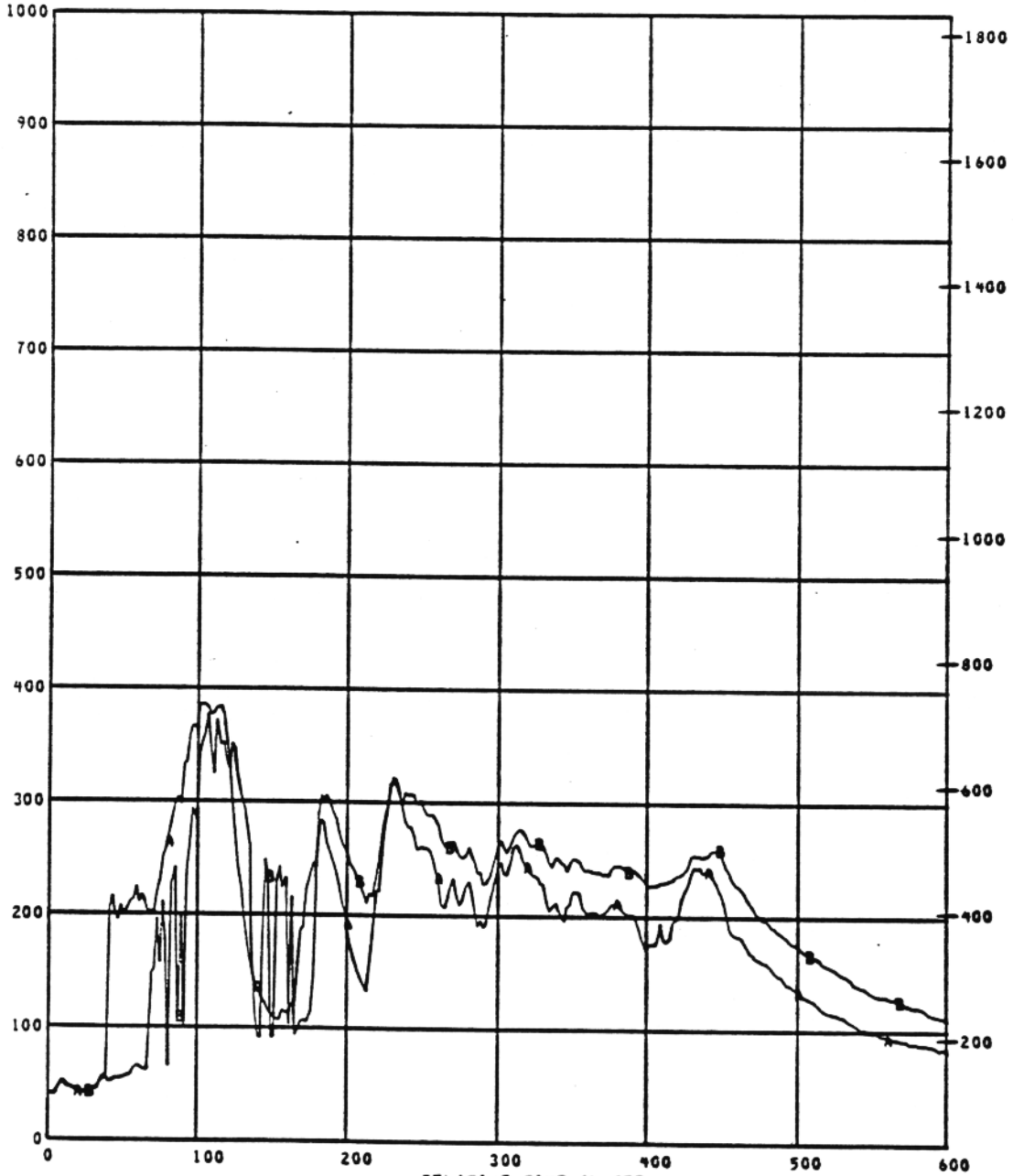
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 15 - 1

REFERENCE TIME 13 10 08.000



D
E
G
F

MEAS. NUMBER	CHANNEL ASGN.
\$ TBR2	117
\$ TBR3	118

TITLE
TEMP-BACK RIGHT MIDDLE
TEMP-BACK RIGHT TOP

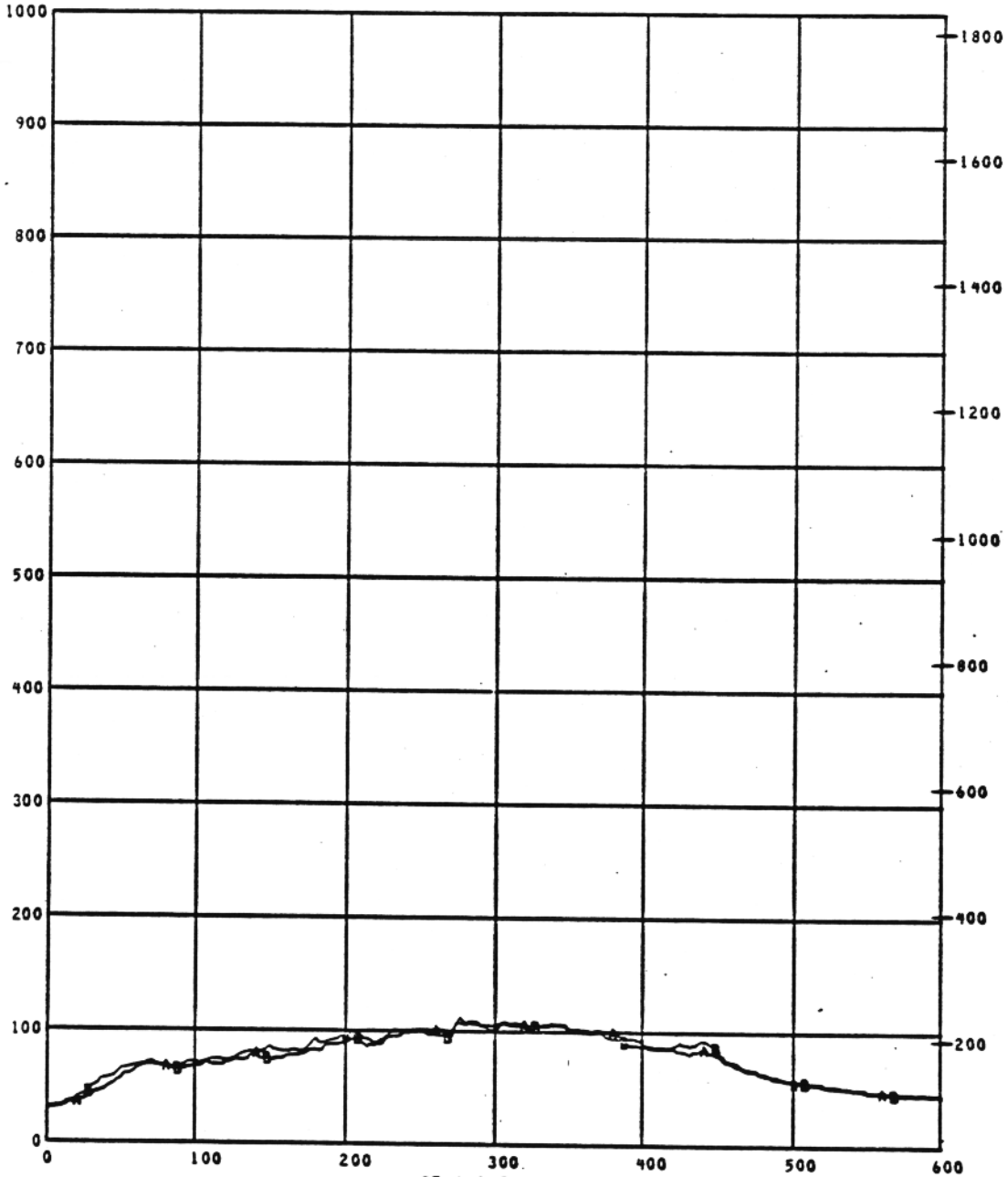
RANGE
0 TO 1000
0 TO 1000

UNITS	GRID-SYM
DEG C	AA
DEG C	AB

TEST ID NAS8B

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 13 10 08.000

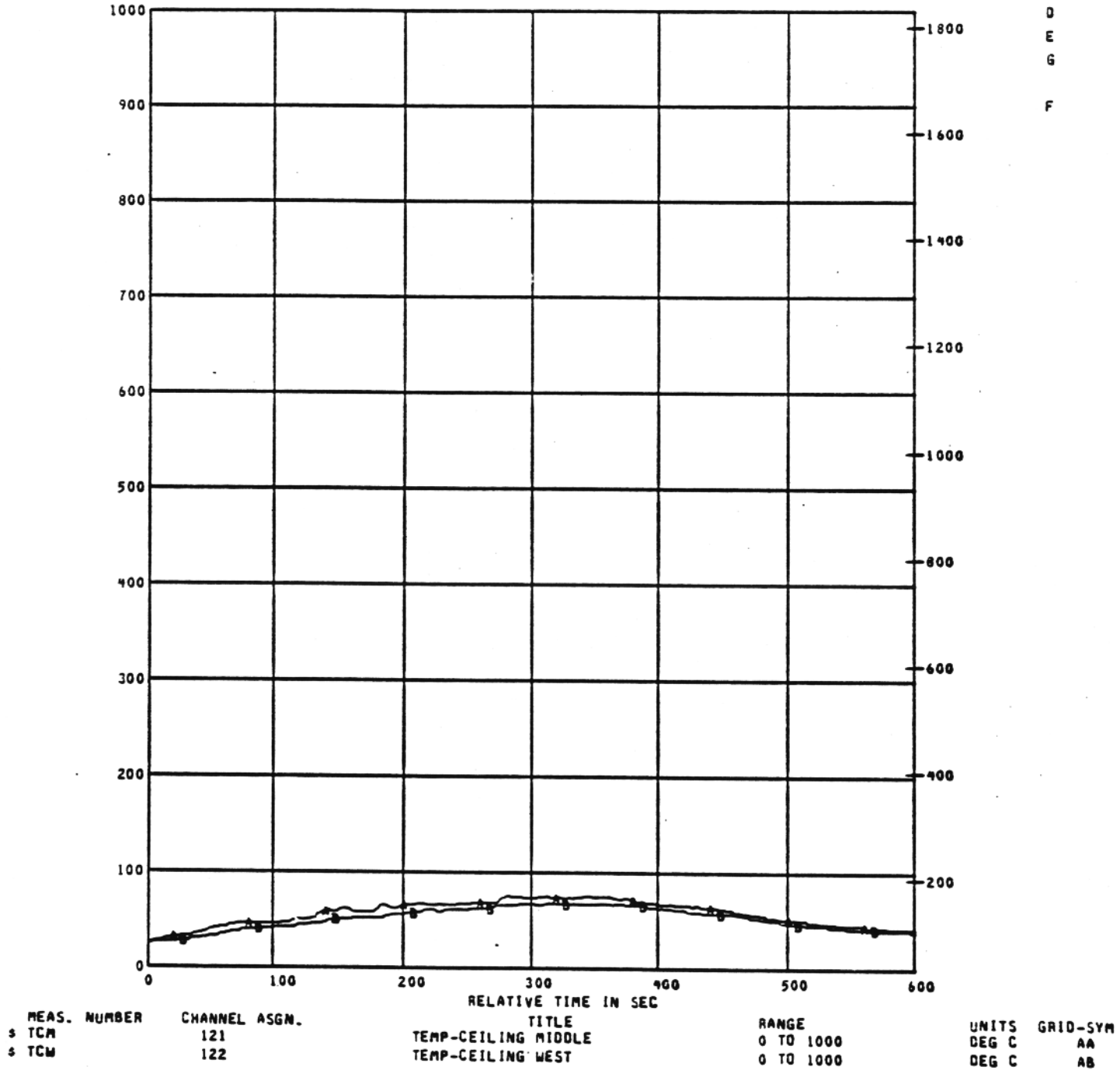


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
\$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 17 - 1

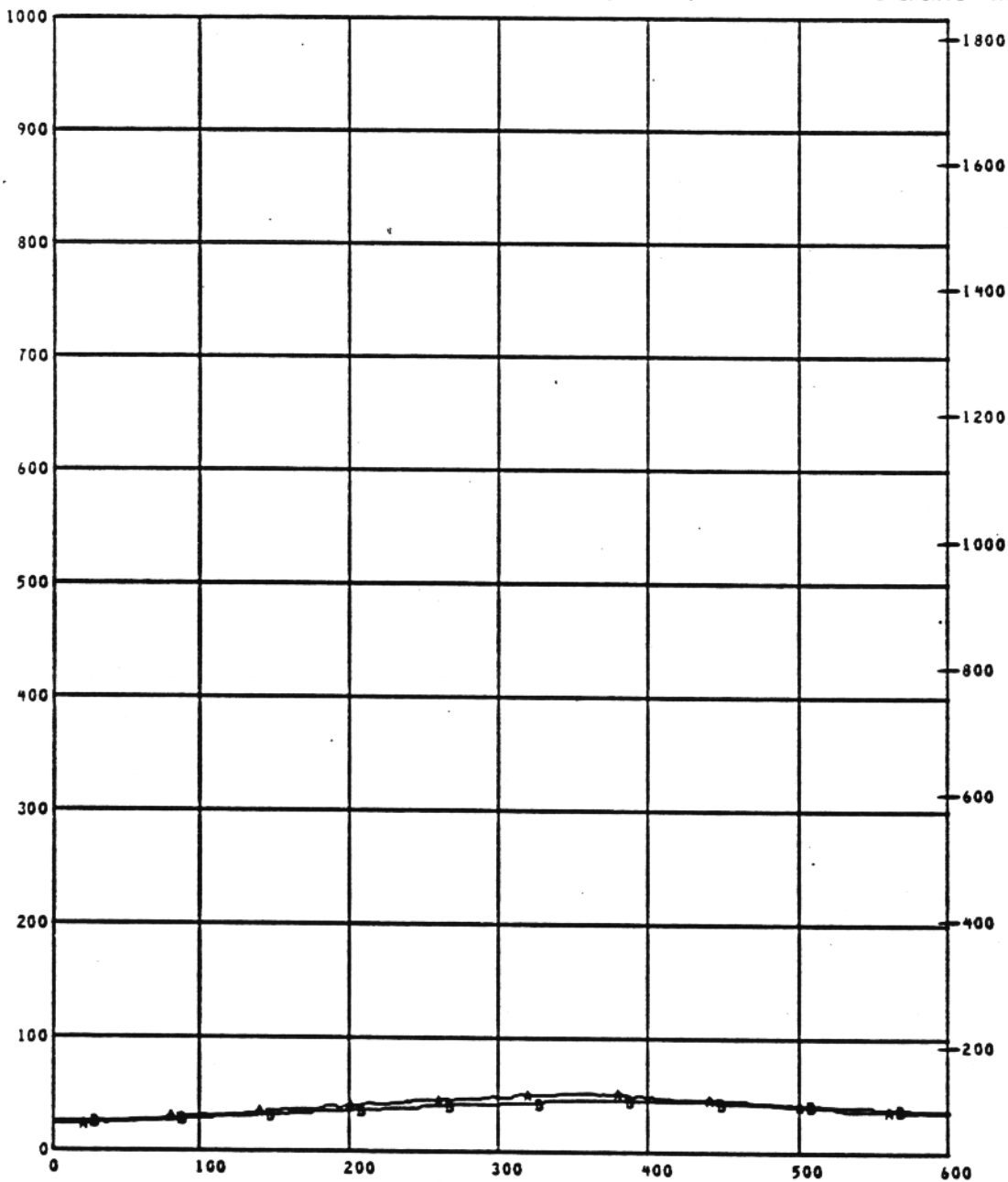
REFERENCE TIME 13 10 08.000



TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 18 - 1

REFERENCE TIME 13 10 08.000

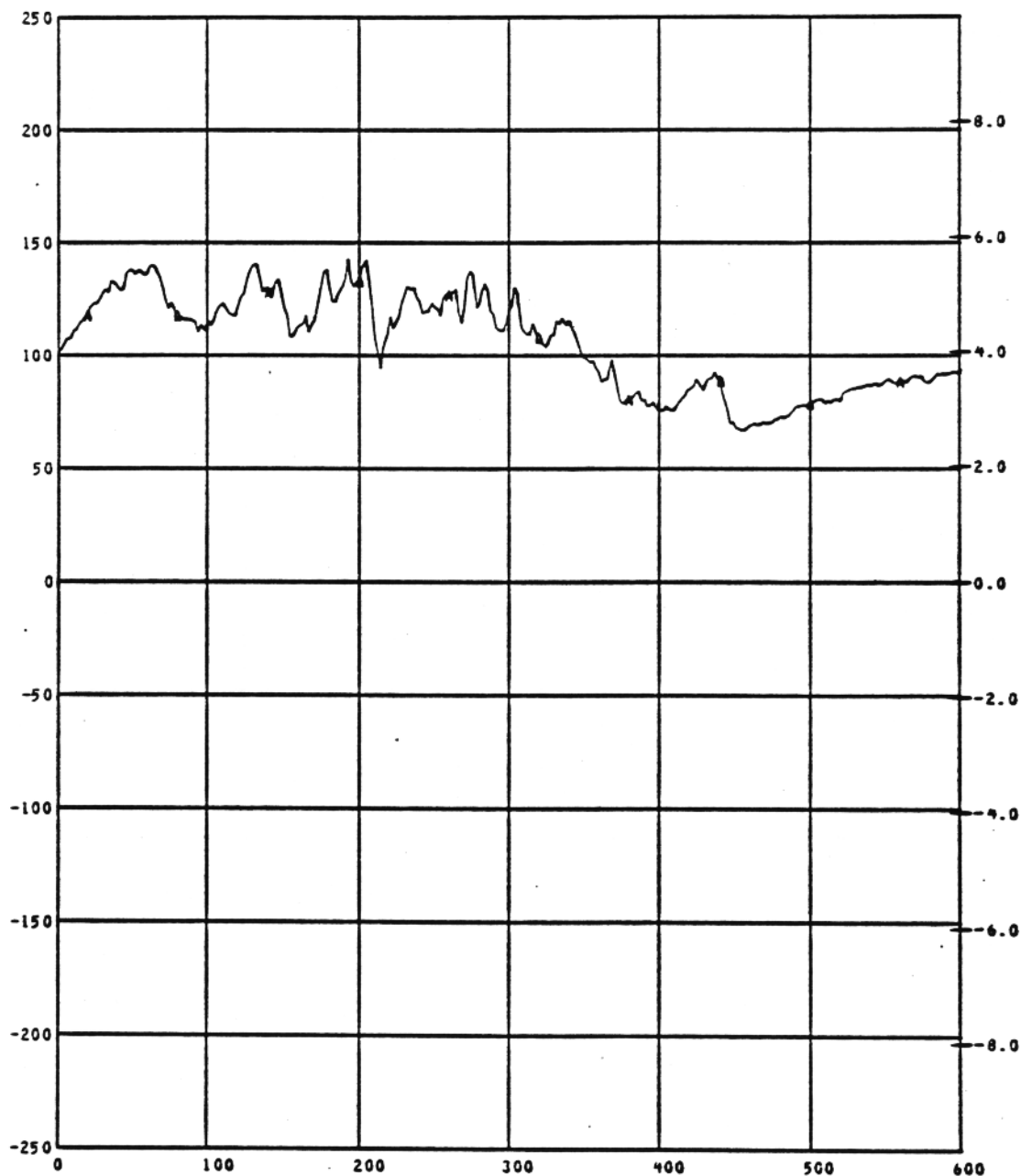


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
\$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS88

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 13 10 08.000



I
N
M
2
0

MEAS. NUMBER
5 DPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

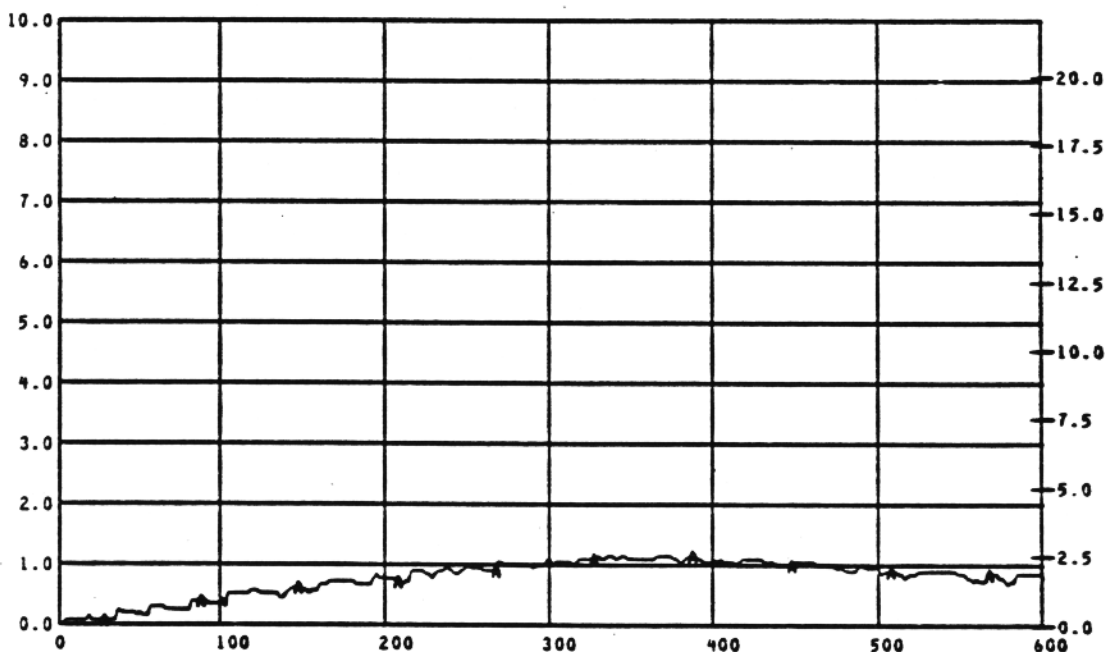
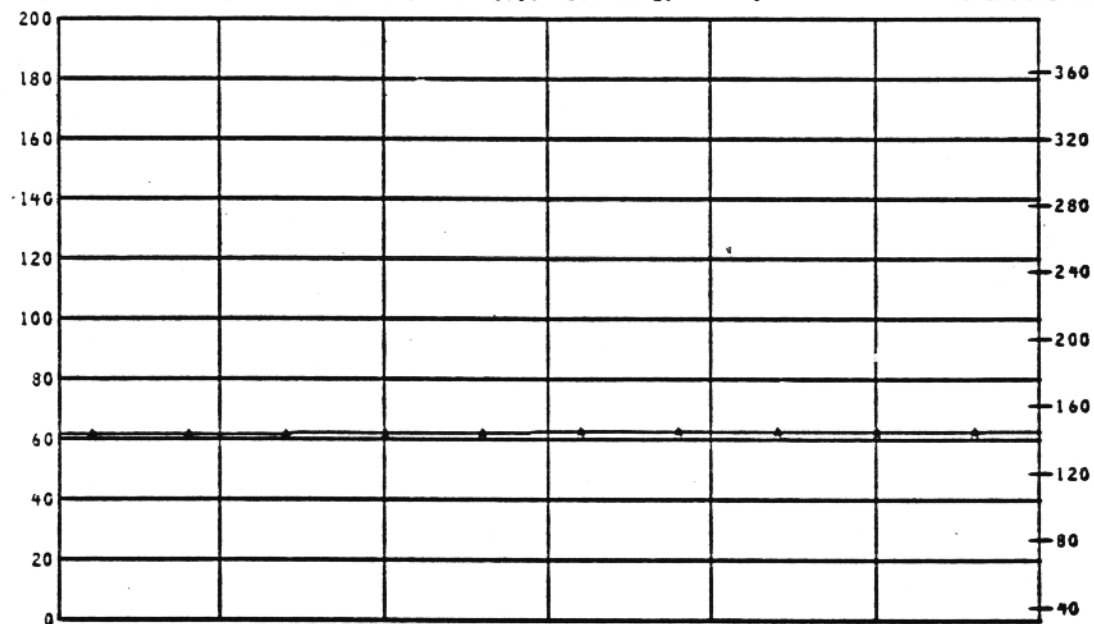
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 AA

TEST ID NAS8B

SEAT TST-OCT 1980 PLOT NO 20 - 1

REFERENCE TIME 13 10 08.000



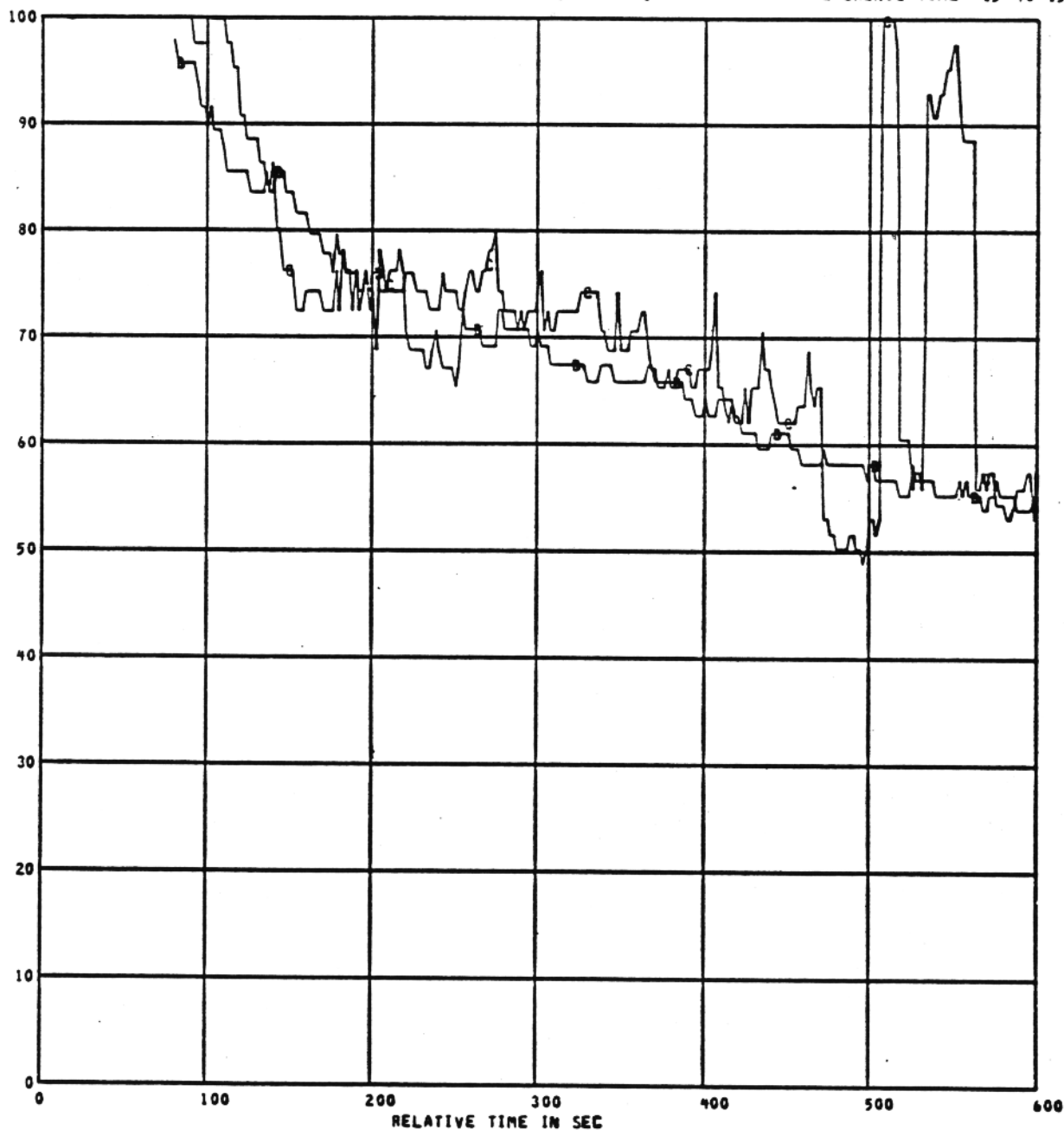
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
\$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

3.3 JET A FUEL DATA

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 1 - 1

REFERENCE TIME 15 40 15.000

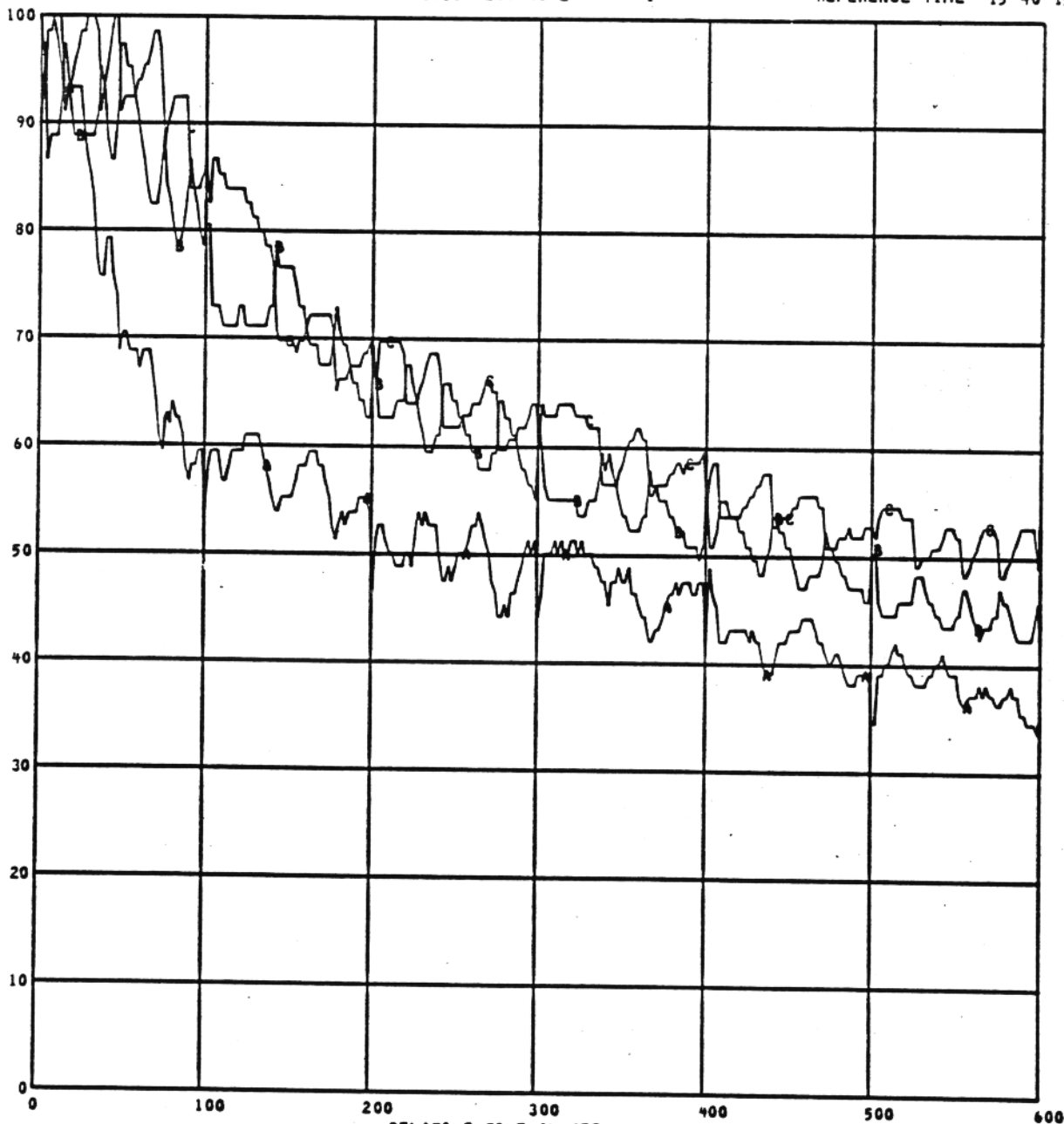


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 2 - 1

REFERENCE TIME 15 40 15.000

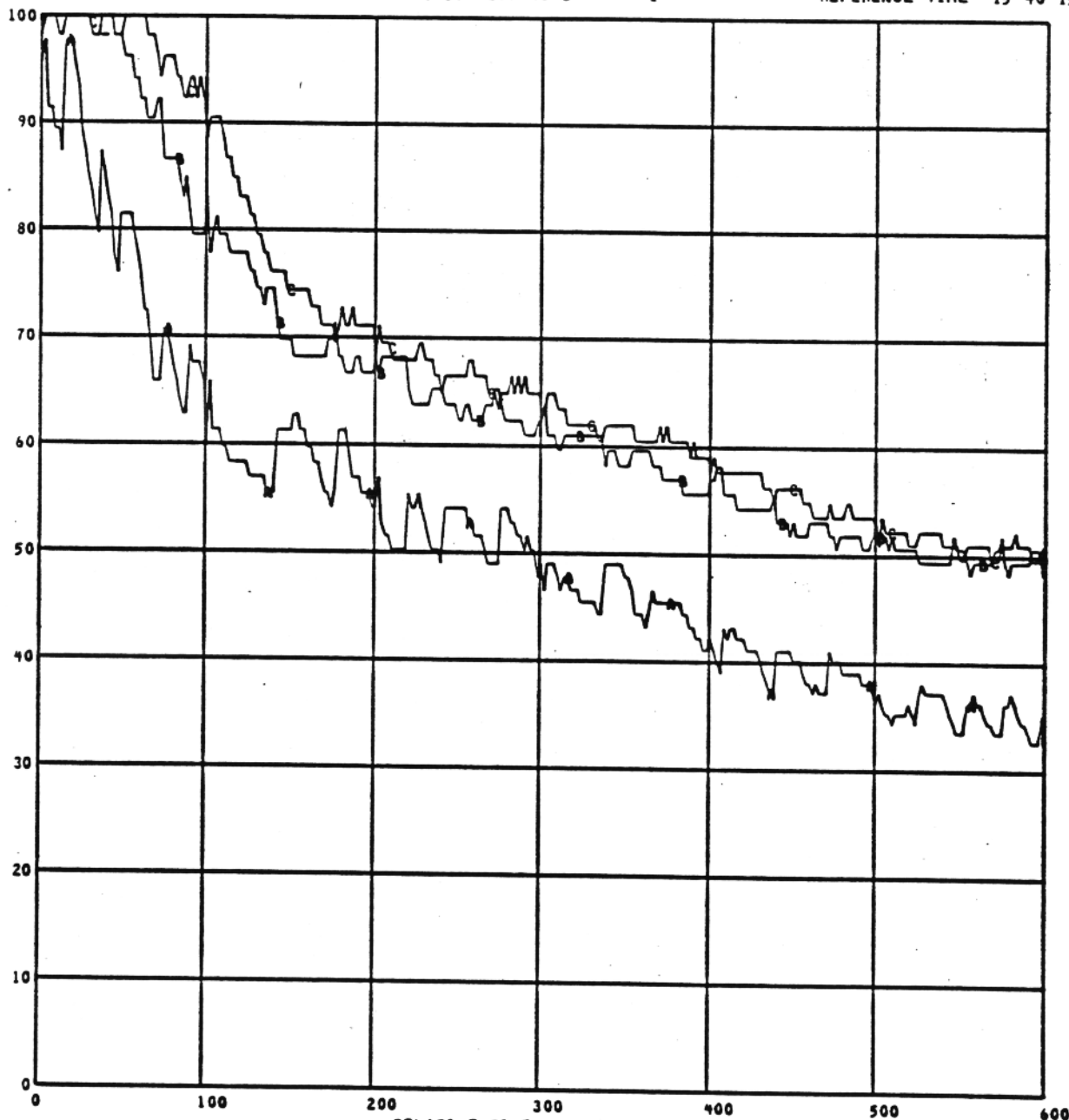


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 3 - 1

REFERENCE TIME 15 40 15.000



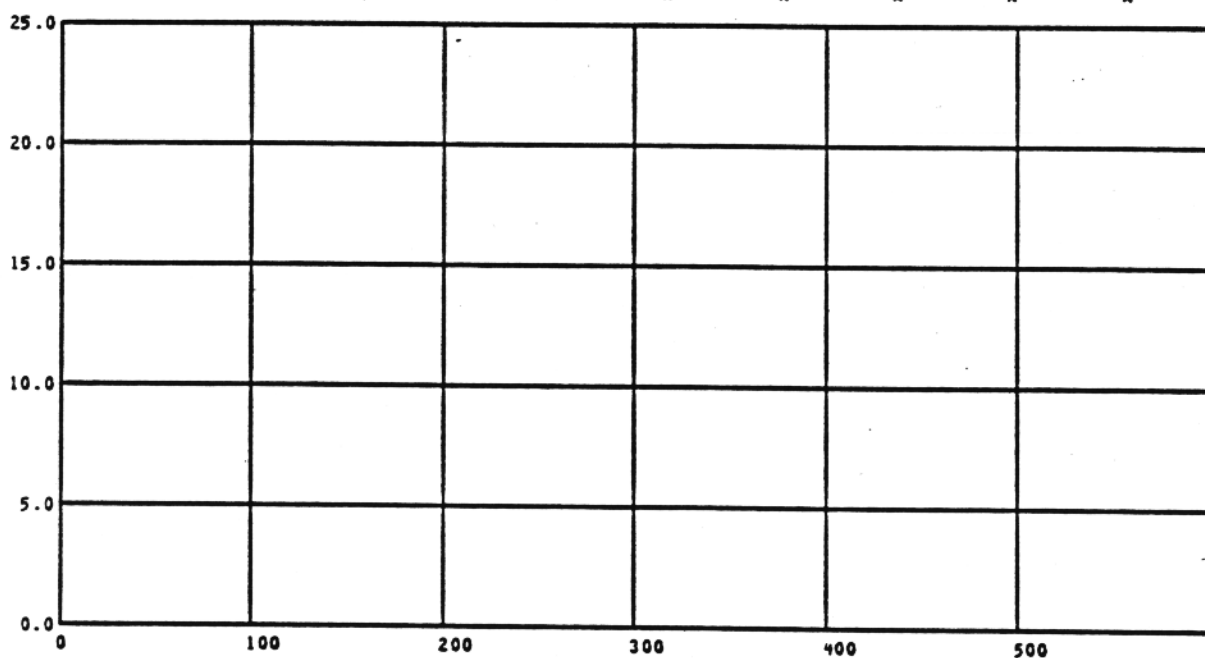
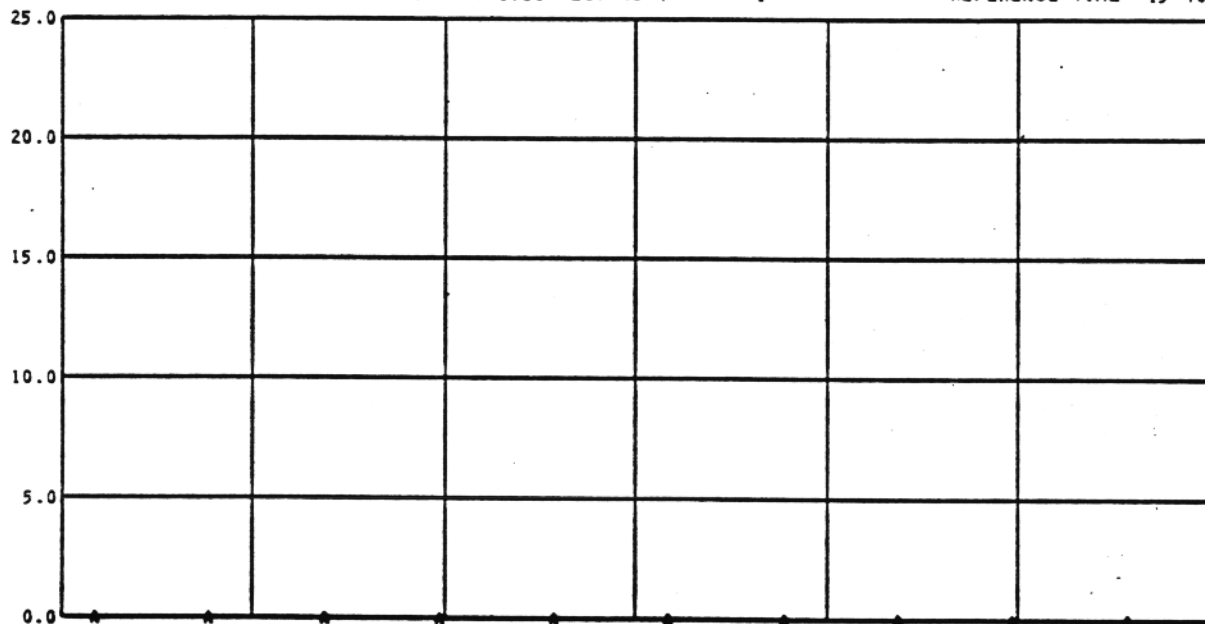
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 4

- 1

REFERENCE TIME 15 40 15.000



MEAS. NUMBER
CHXE
COE

CHANNEL ASGN.
085
084

TITLE
METHANE EXHAUST
CARBON MONOXIDE EXHAUST

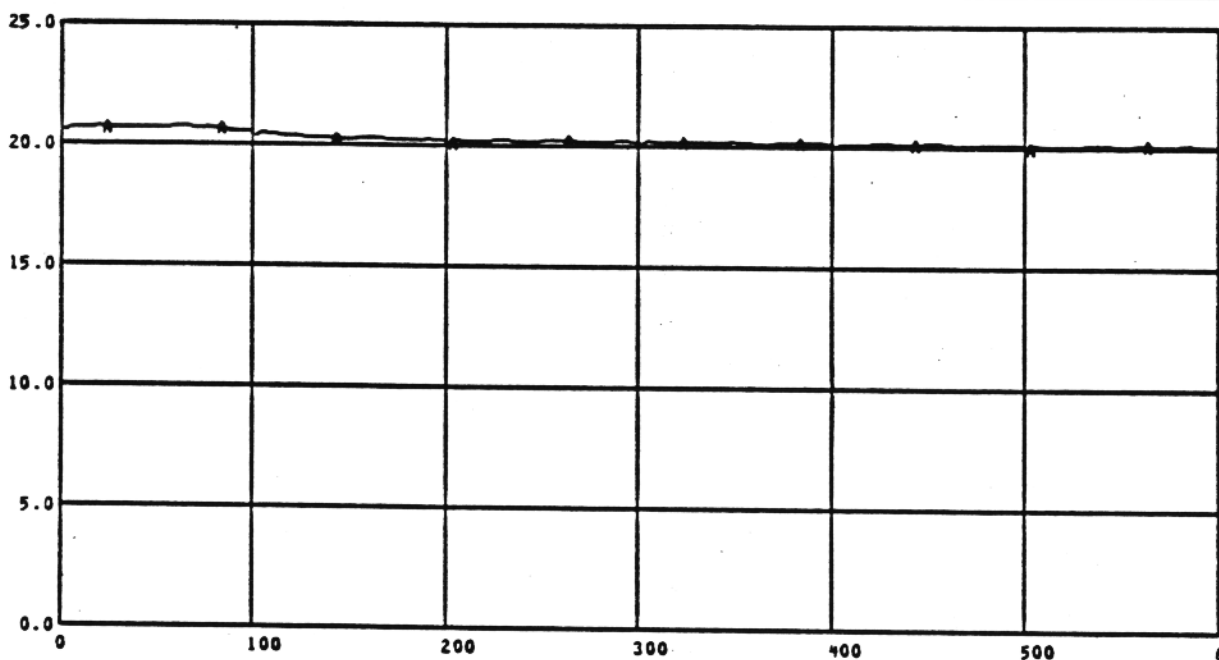
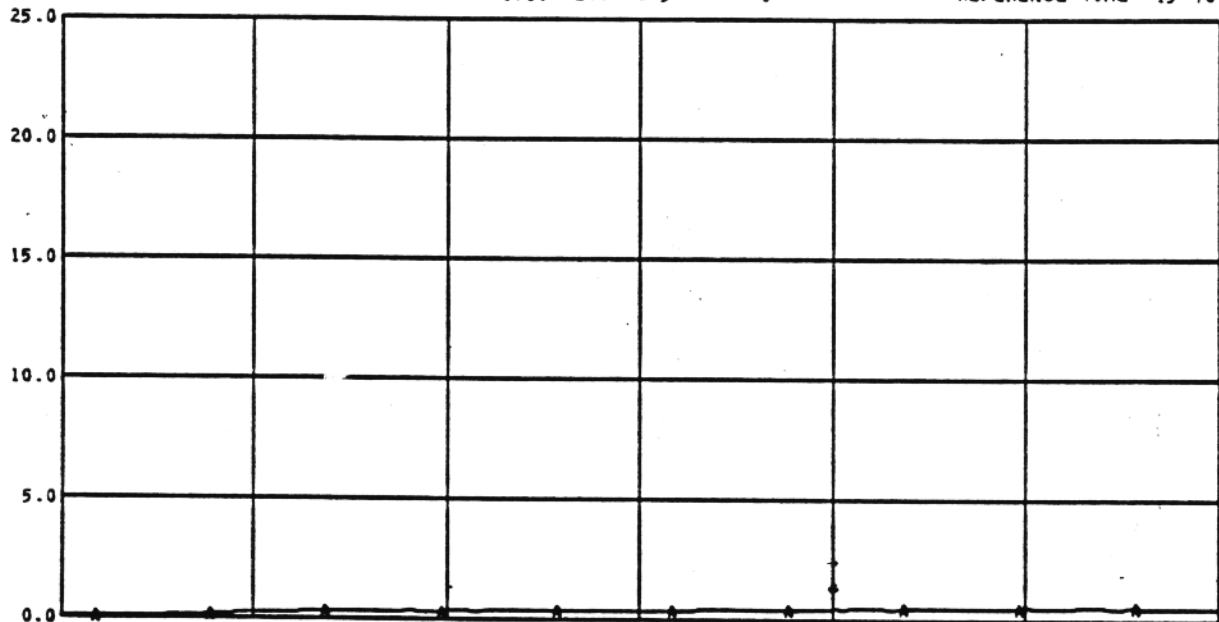
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

TEST ID 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

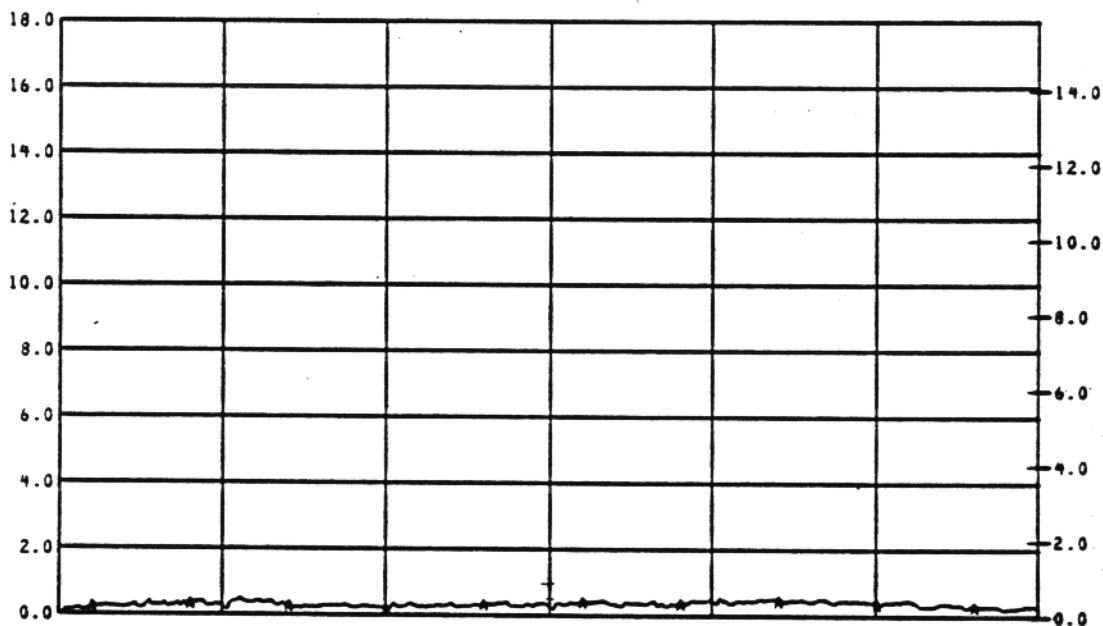
RANGE
0.0 TO 25.0
0.0 TO 25.0

UNITS GRID-SYM
PCT AA
PCT BA

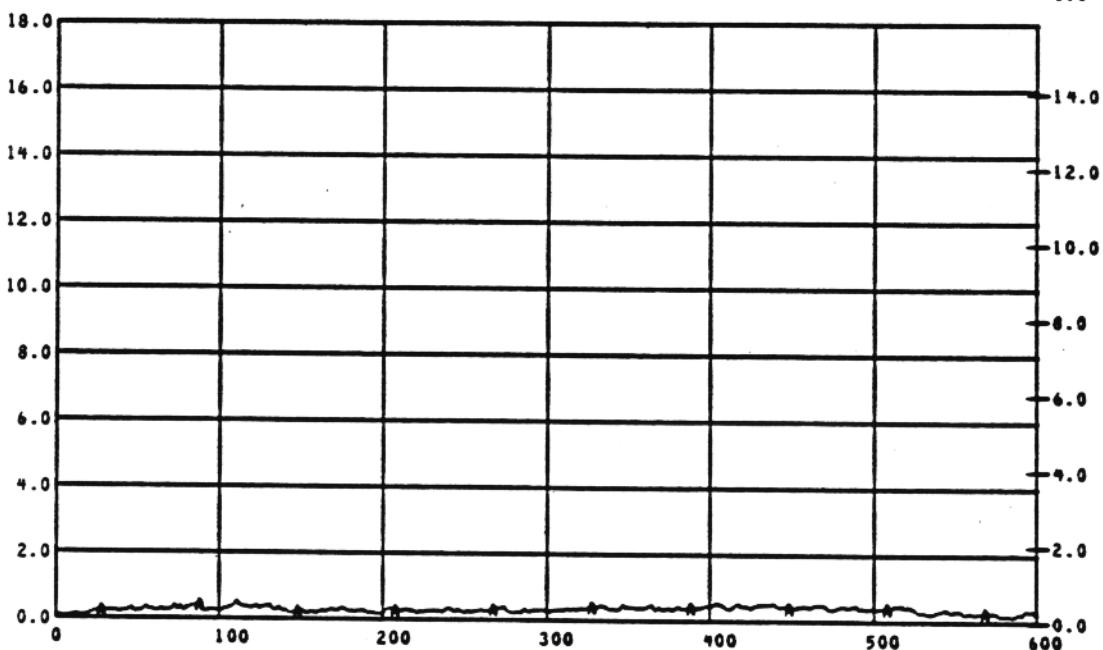
TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 6 - 1

REFERENCE TIME 15 40 15.000



B
T
U
/
F
T
2



B
T
U
/
F
T
2

MEAS. NUMBER	CHANNEL ASGN.
* CU	150
* CL	151

TITLE
CALORIMETER UPPER
CALORIMETER LOWER

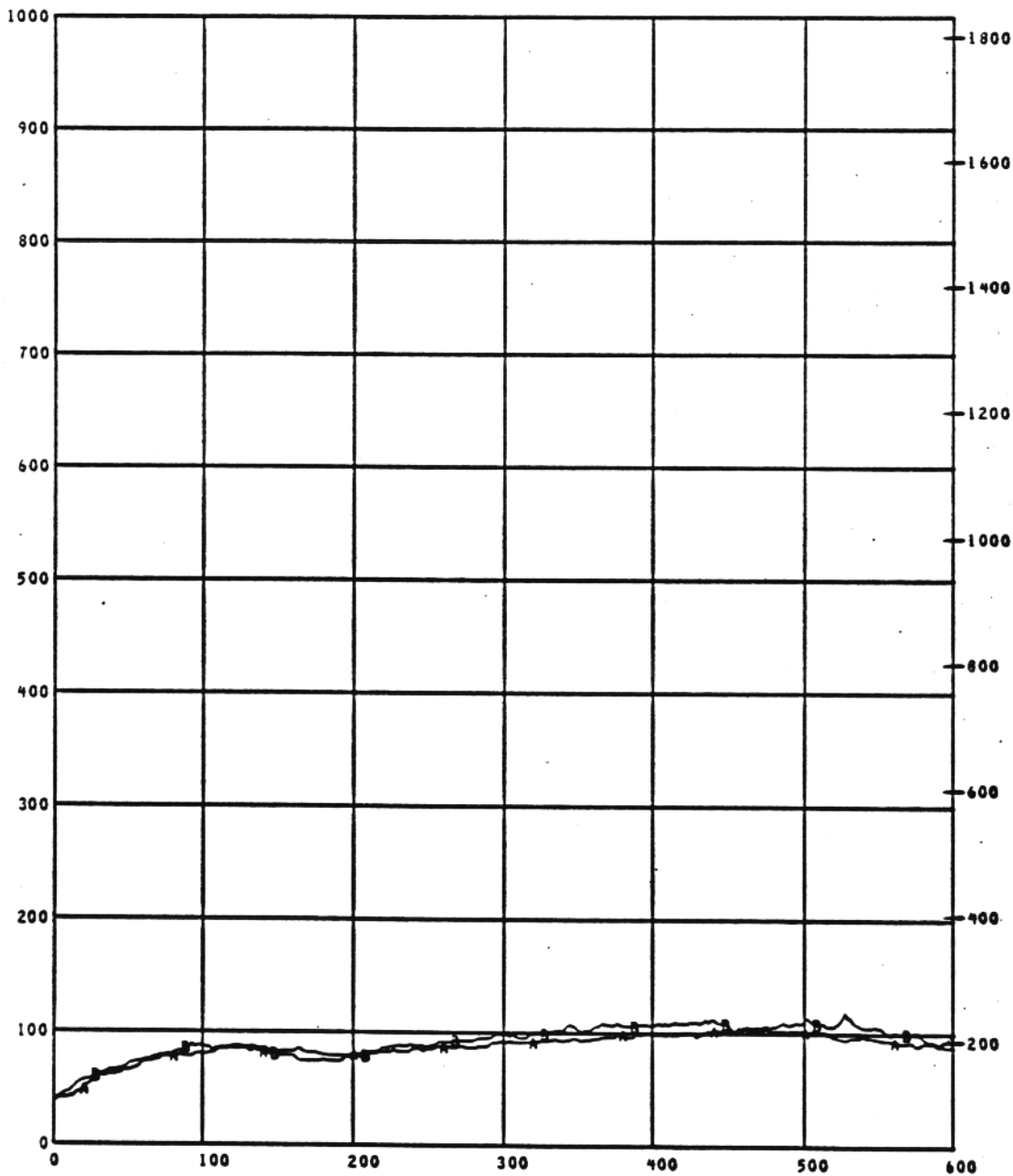
RANGE
0.0 TO 18.0
0.0 TO 18.0

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

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 16 - 1

REFERENCE TIME 15 40 15.000



MEAS. NUMBER
\$ TCL
\$ TCR

CHANNEL ASGN.
119
120

TITLE
TEMP-CEILING LEFT
TEMP-CEILING RIGHT

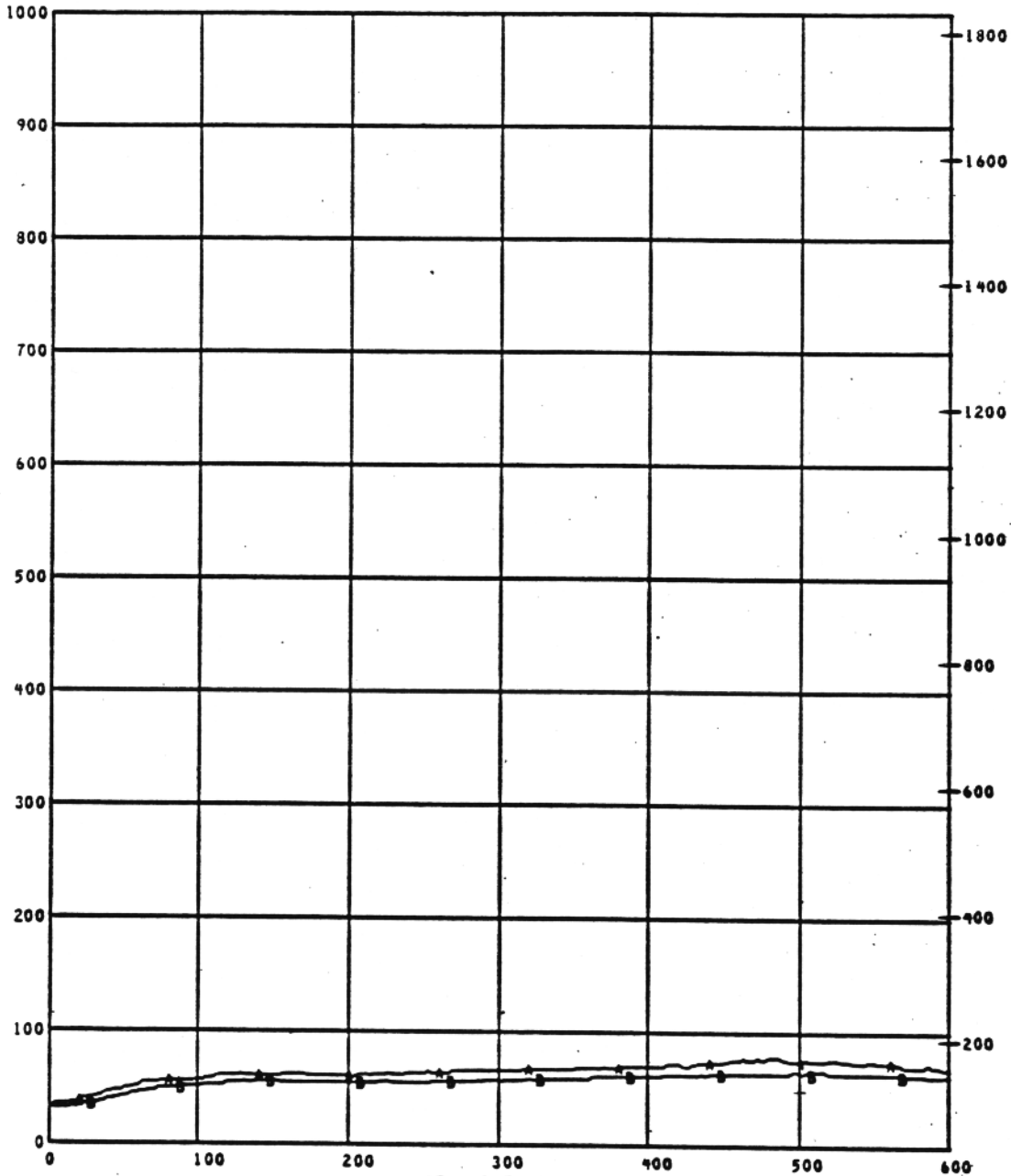
RANGE
0 TO 1000
0 TO 1000

UNITS GRID-SYM
DEG C AA
DEG C AB

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 17 - 1

REFERENCE TIME 15 40 15.000



MEAS. NUMBER	CHANNEL ASGN.
s TCM	121
s TCM	122

TITLE
TEMP-CEILING MIDDLE
TEMP-CEILING WEST

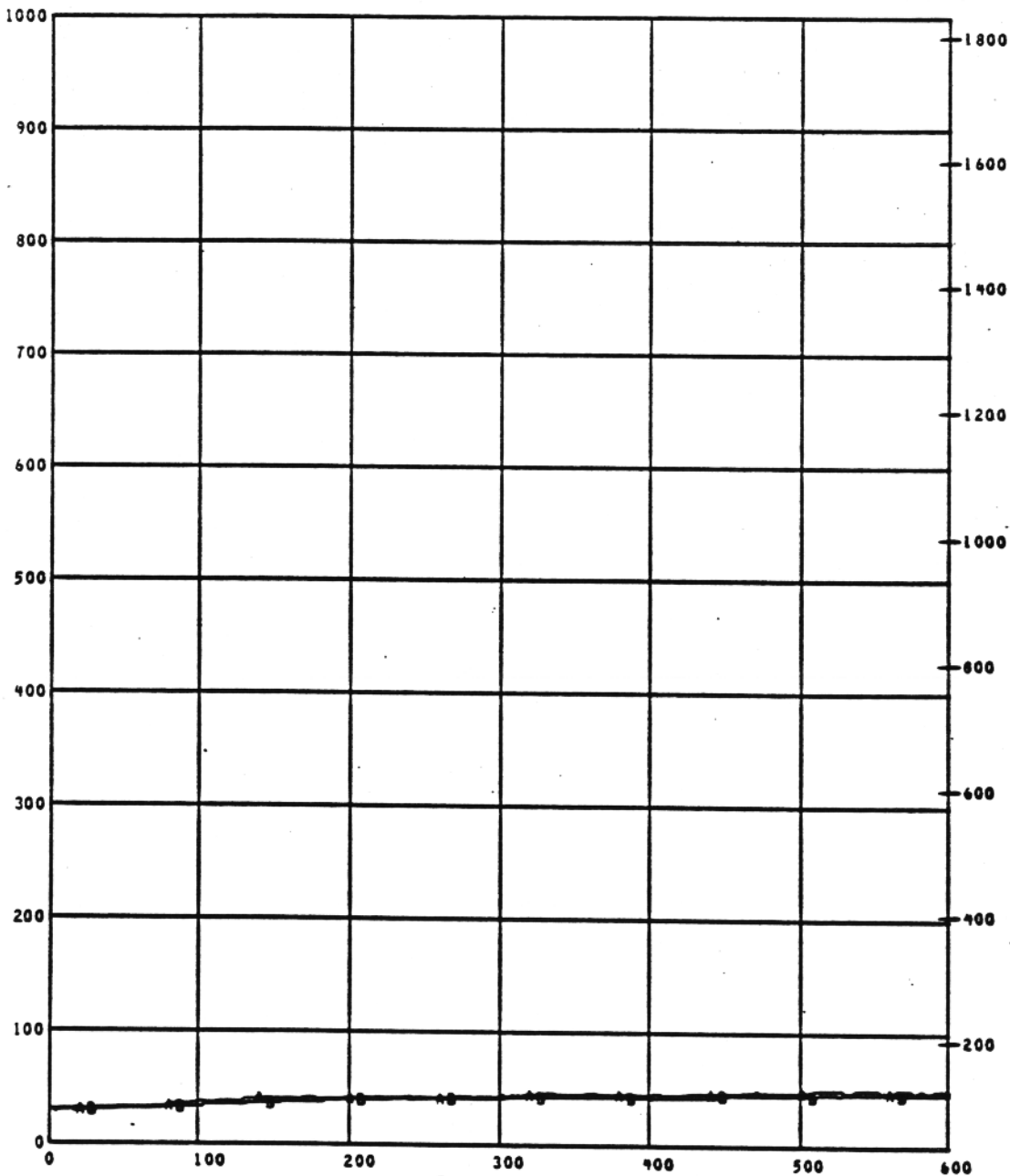
RANGE
0 TO 1000
0 TO 1000

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

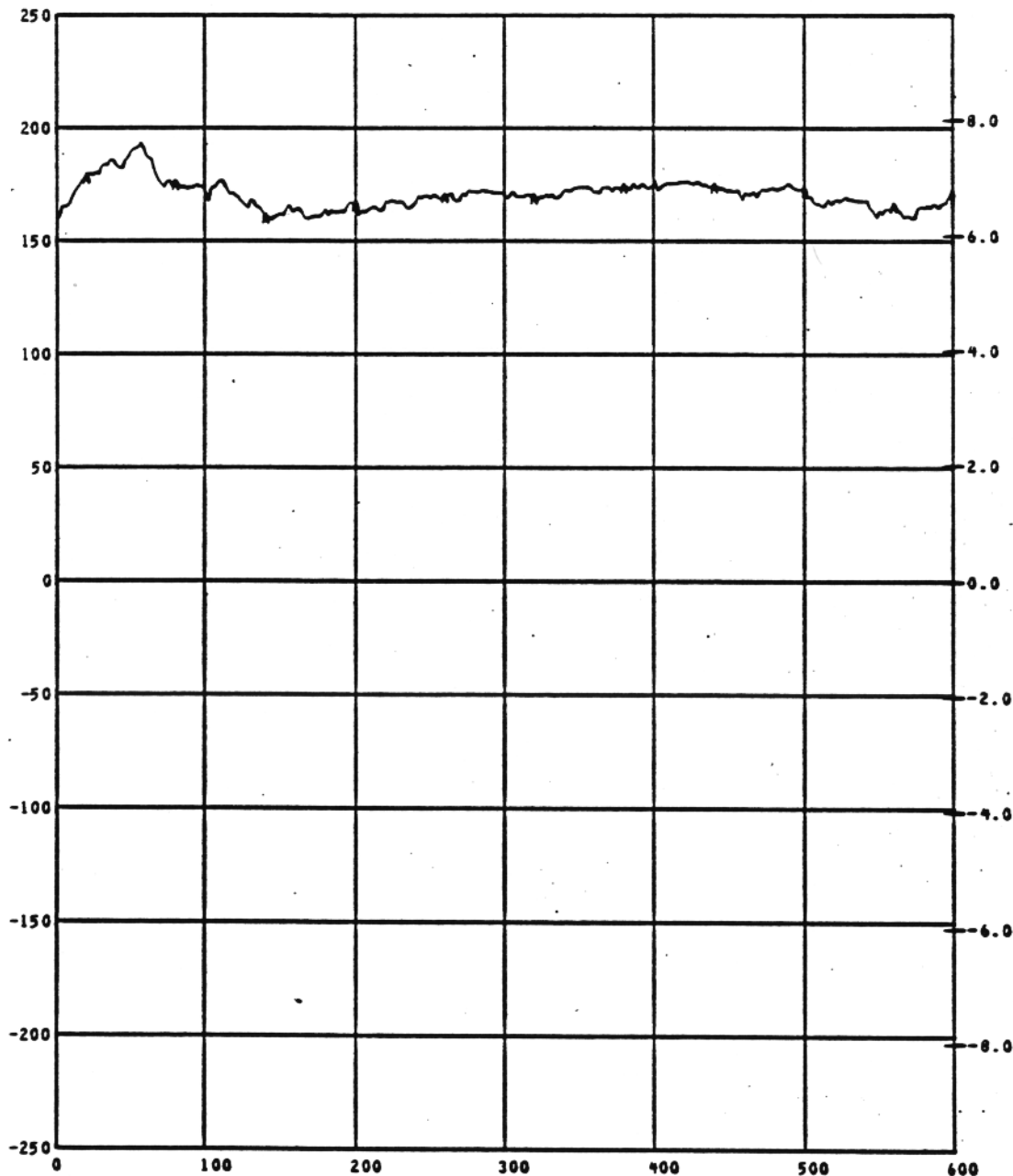


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
\$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
\$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASC

SEAT TST-OCT 1980 PLOT NO 19 - 1

REFERENCE TIME 15 40 15.000



I
N
H
2
0

MEAS. NUMBER
s OPC

CHANNEL ASGN.
098

TITLE
CABIN DELTA PRESSURE

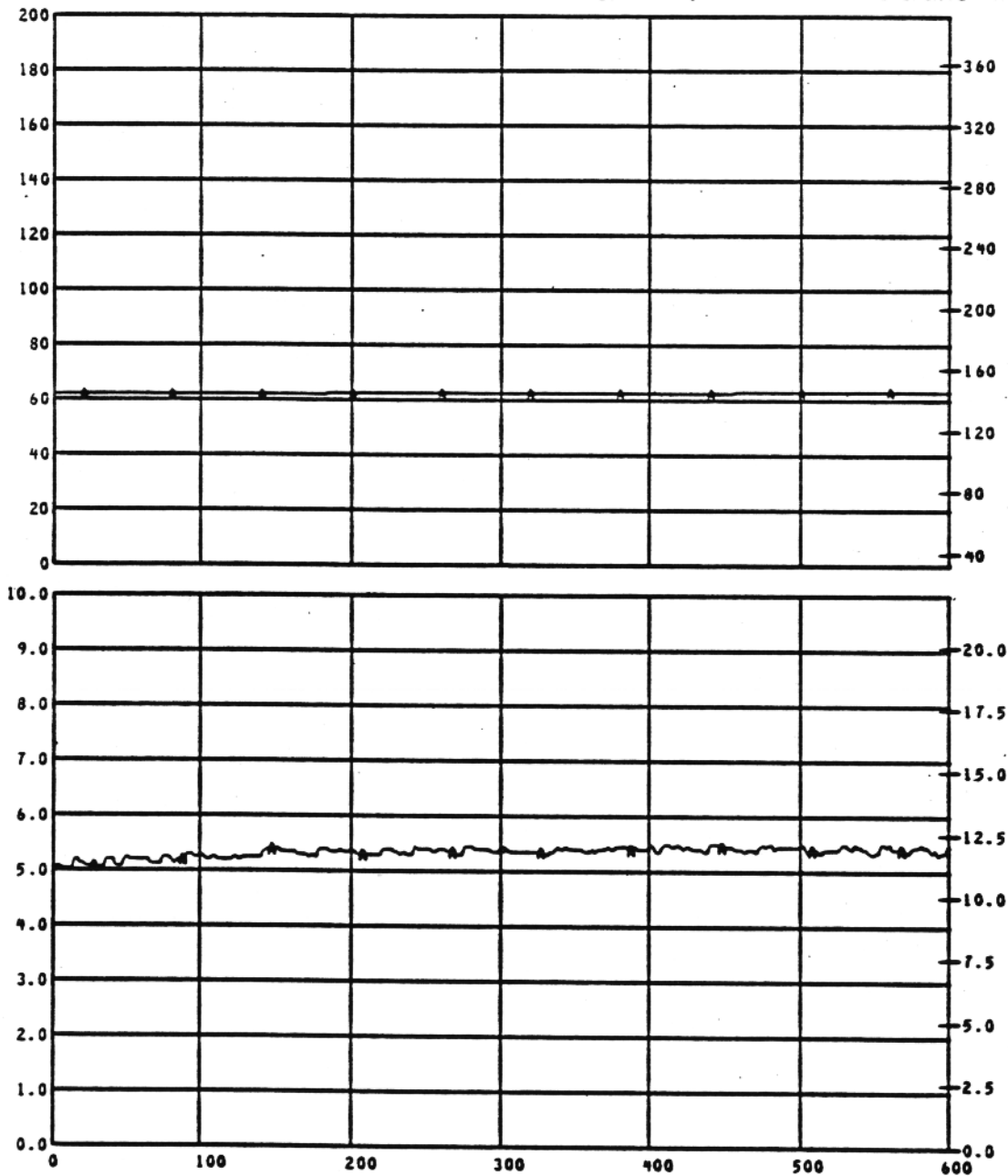
RANGE
-250 TO 250

UNITS GRID-SYM
MM H20 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
\$ TLC
\$ WL

CHANNEL ASGN.
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