NASA Contractor Report

Volume 2

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

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CONTRACT NAS9-16062
FEBRUARY 1981

National Aeronautics and
Space Administration

Johnson Space Center
Houston, TX 77058

1. Report No.	2. Government Accession No.	3. Recipient's Catalog No.

4. Title and Subtitle
Testing of Aircraft Passenger Seat Cushion Materials – Full Scale – Data

5. Report Date
November 1980

6. Performing Organization Code

7. Author(s) Kenneth J. Schutter
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8. Performing Organization Report No.
MDC J4673 VOL II

10. Work Unit No.

9. Performing Organization Name and Address
Douglas Aircraft Company
3855 Lakewood Boulevard
Long Beach, CA 90846

11. Contract or Grant No.
NAS9-16062

12. Sponsoring Agency Name and Address
Lyndon B. Johnson Space Center
Houston, TX 77058

13. Type of Report and Period Covered
Final Report, 4-80 to 03-81

14. Sponsoring Agency Code

15. Supplementary Notes

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.

17. Key Words (Suggested by Author(s))
Aircraft Fire Safety, Fires
Aircraft Passenger Seats

18. Distribution Statement

19. Security Classif. (of this report)	20. Security Classif. (of this page)	21. No. of Pages	22. Price*
Unclassified		336	

* For sale by the National Technical Information Service, Springfield, Virginia 22151

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.

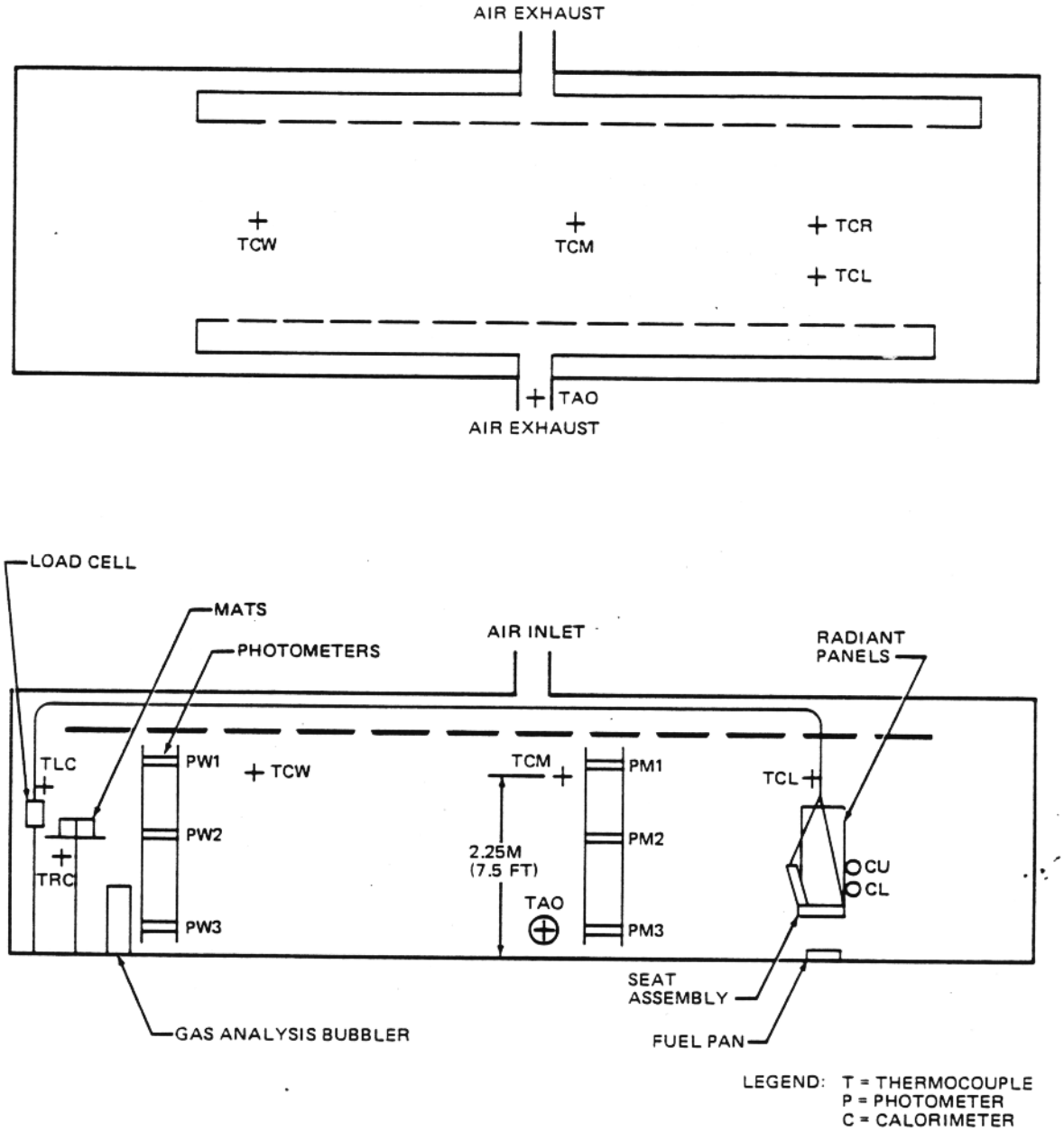


FIGURE 1. CFS INSTRUMENTATION

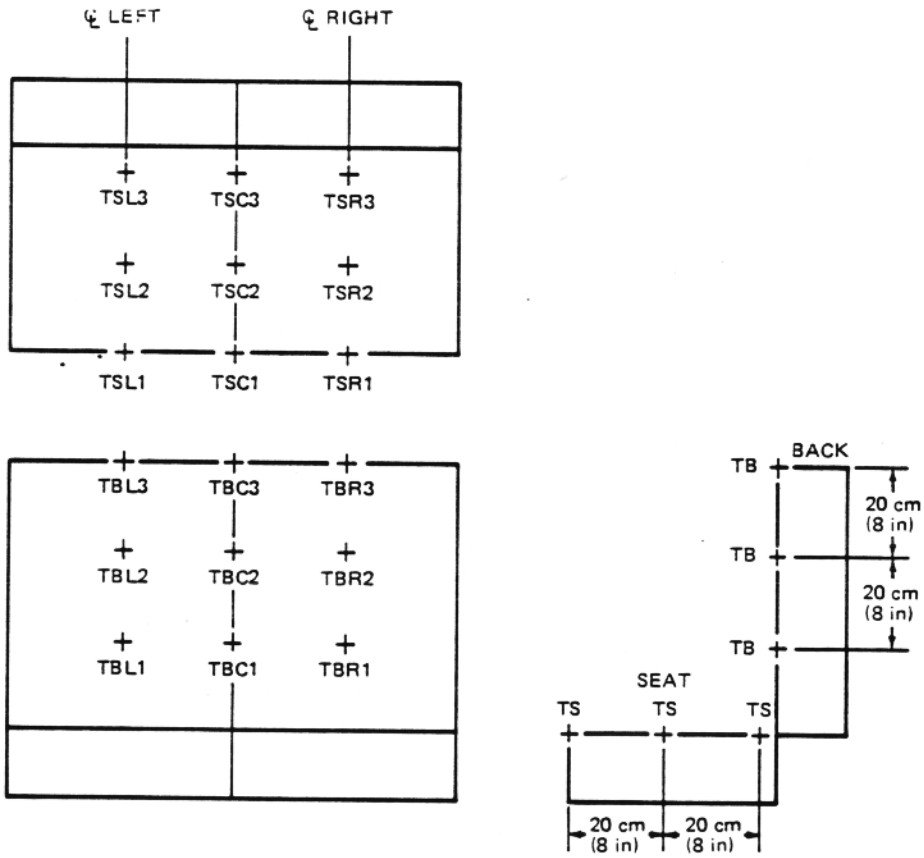


FIGURE 2. CUSHION THERMOCOUPLES (LOCATION AND IDENTIFICATION)

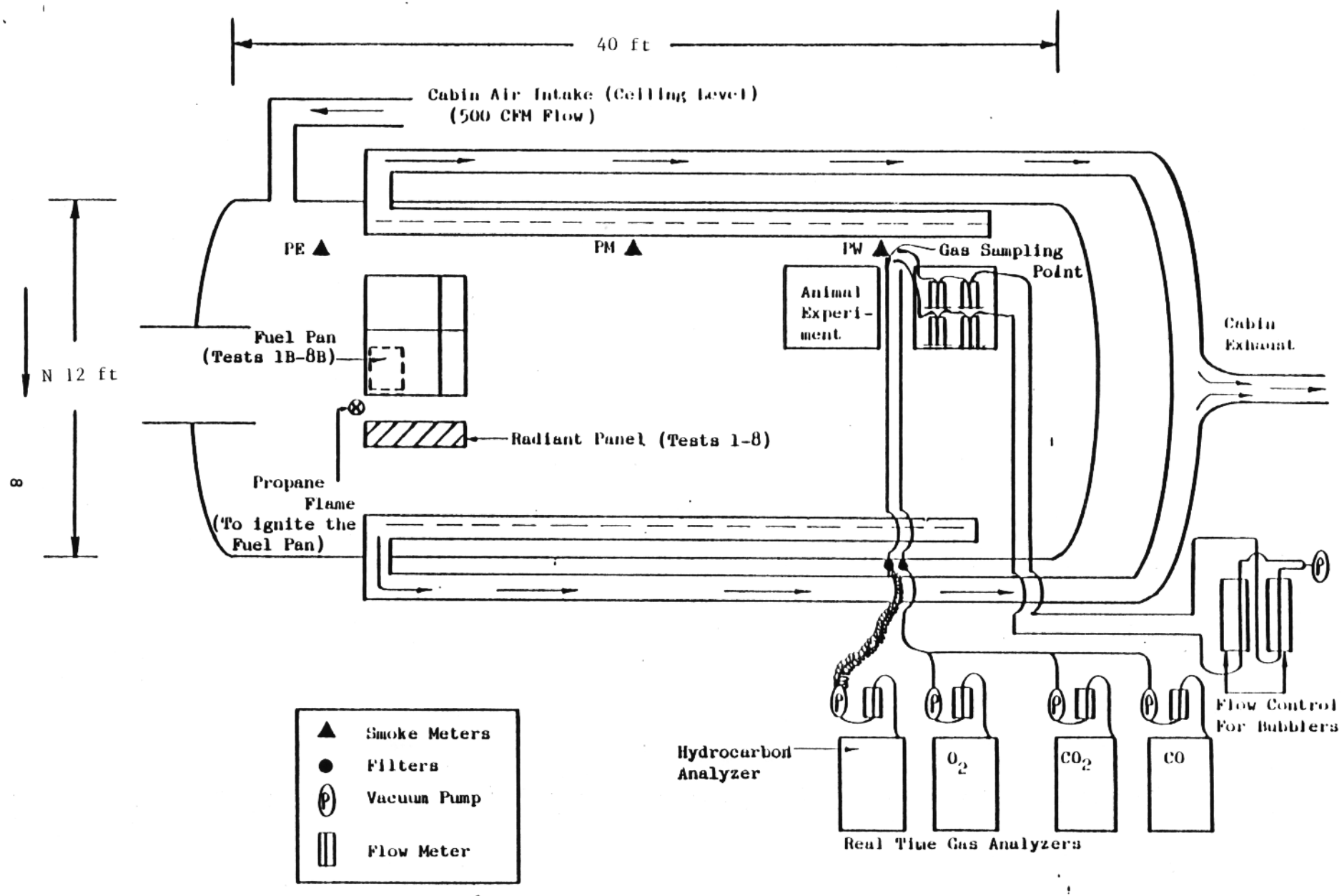


FIGURE 3. GAS INSTRUMENTATION

TABLE 1

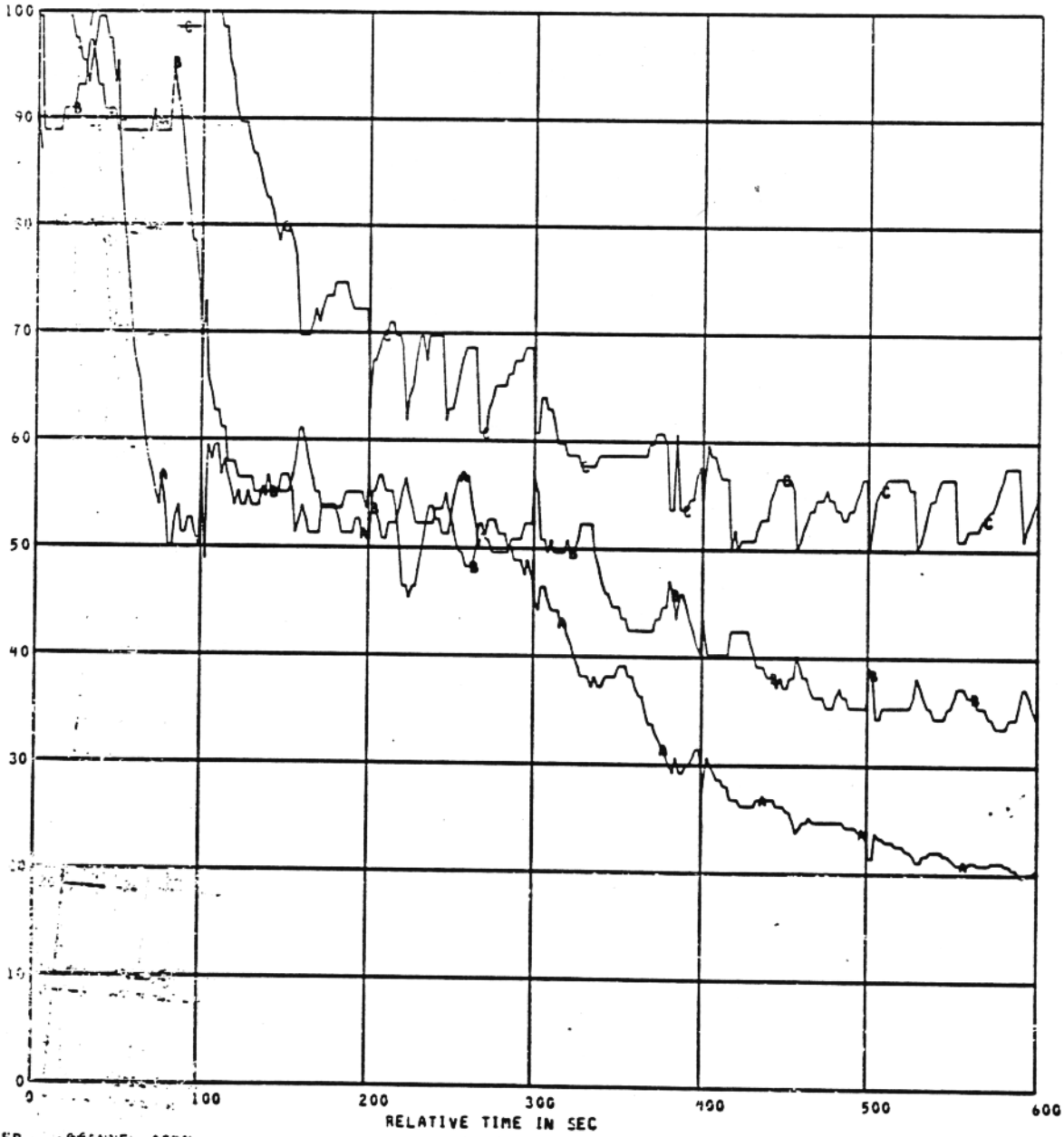
SEAT DESIGN TEST CONFIGURATION

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

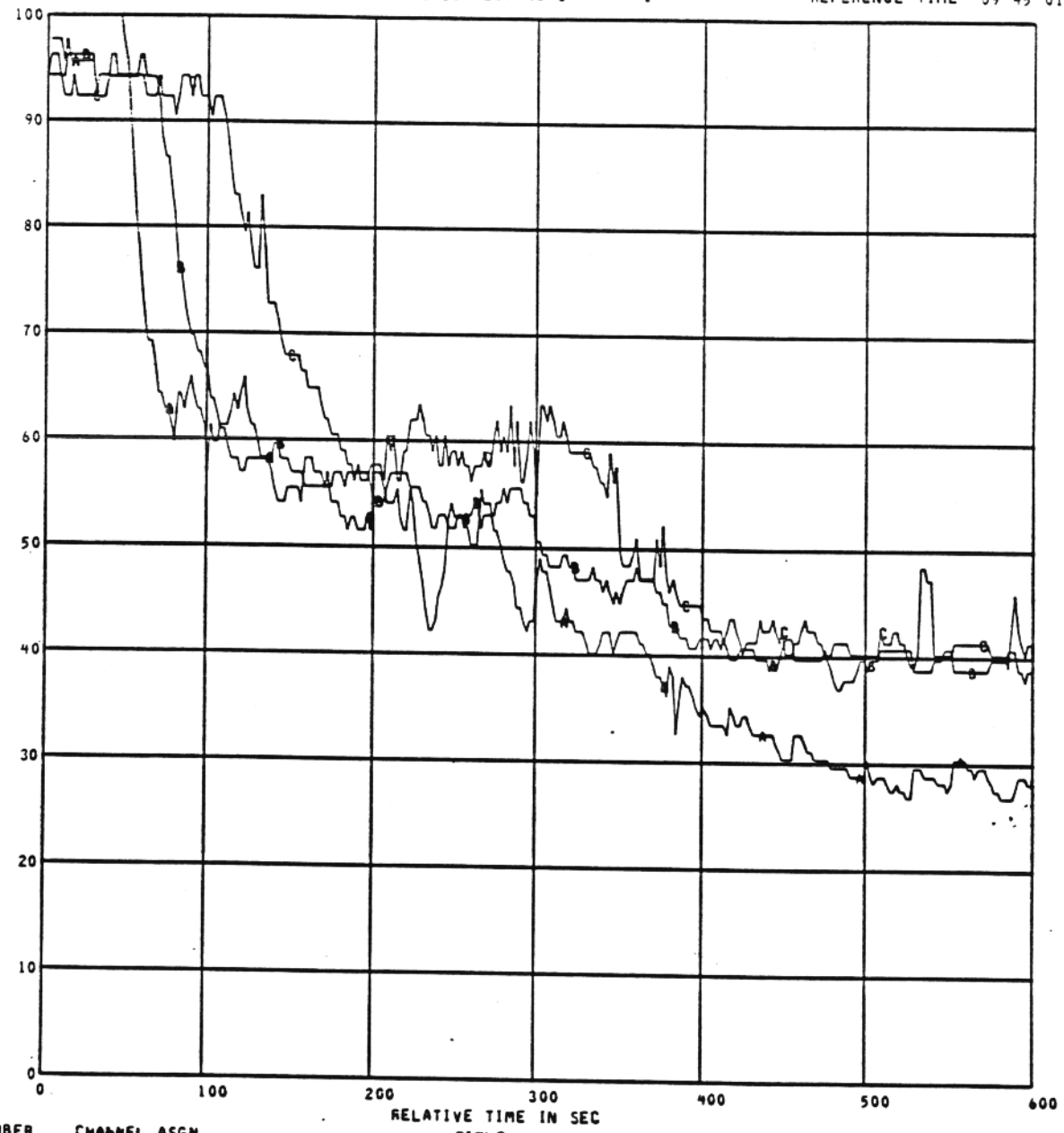
		Page
NASA 1	Cushion Configuration 1	11-29
NASA 2	Cushion Configuration 2	30-48
NASA 3	Cushion Configuration 3	49-67
NASA 4	Cushion Configuration 4	68-86
NASA 5	Cushion Configuration 5	87-105
NASA 6	Cushion Configuration 6	106-124
NASA 7	Cushion Configuration 7	125-143
NASA 8	Cushion Configuration 8	144-162

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 09 45 01.000



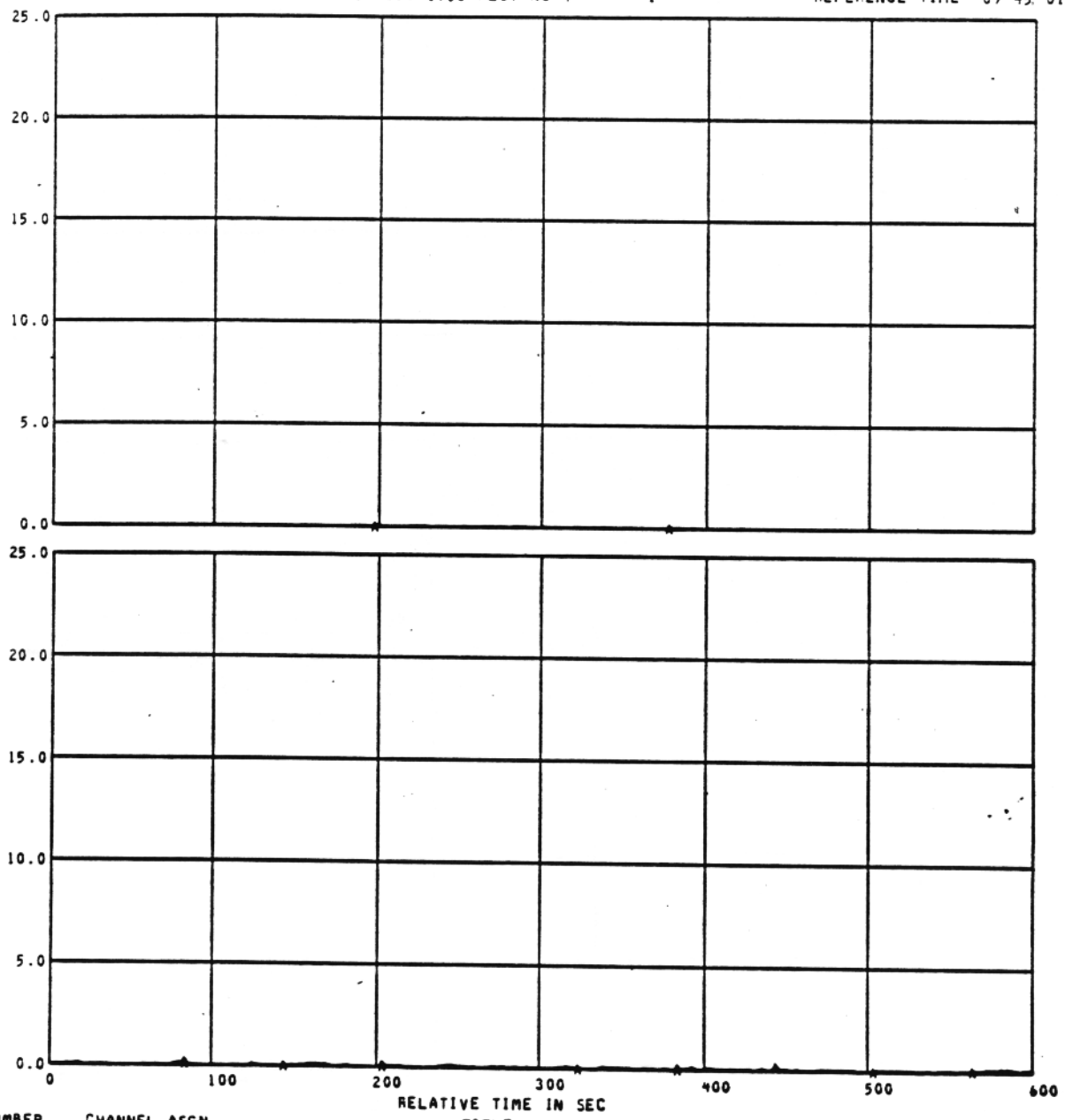
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 09 45 01.000



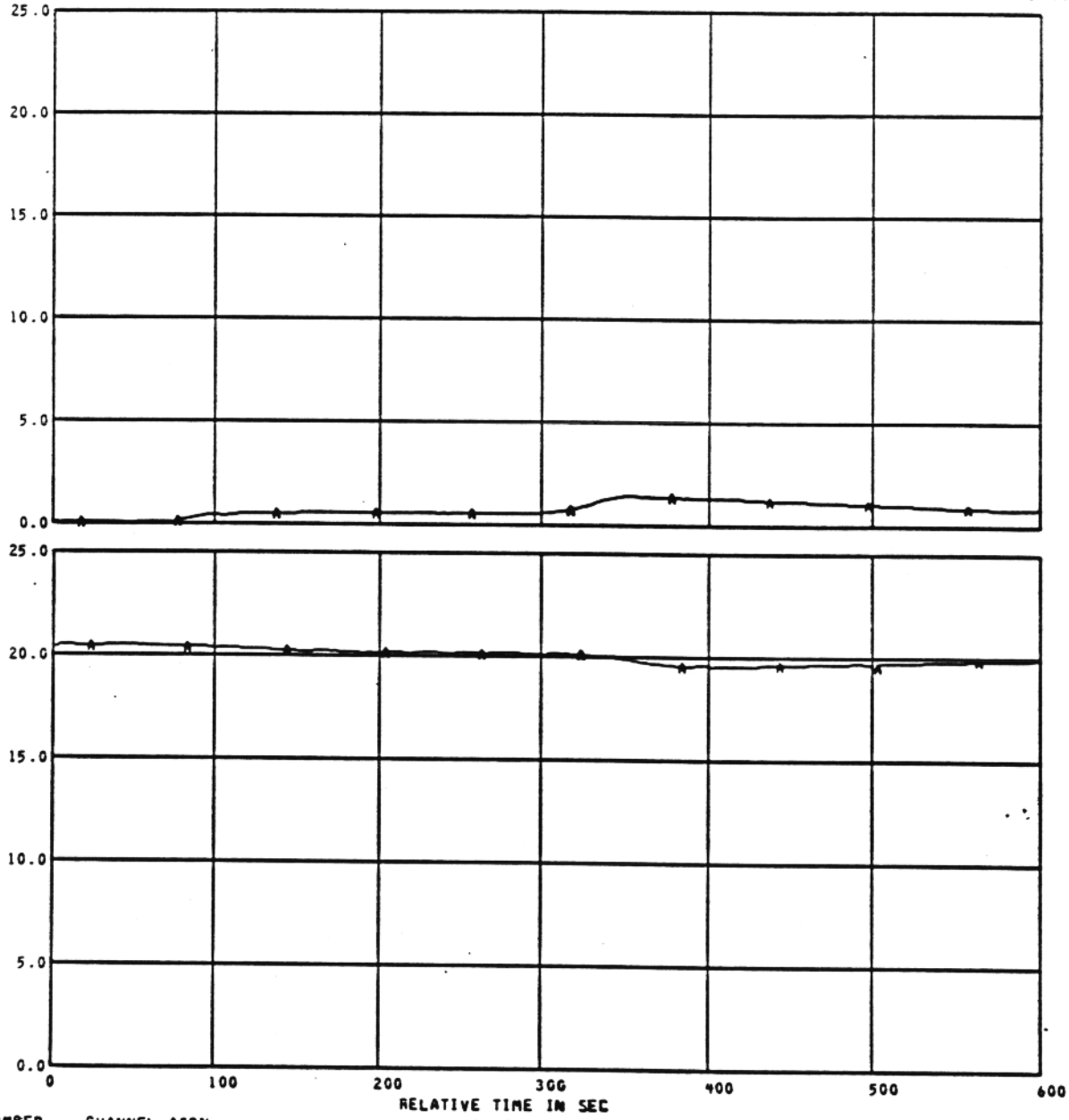
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID. NASA1 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 09 45 01.000



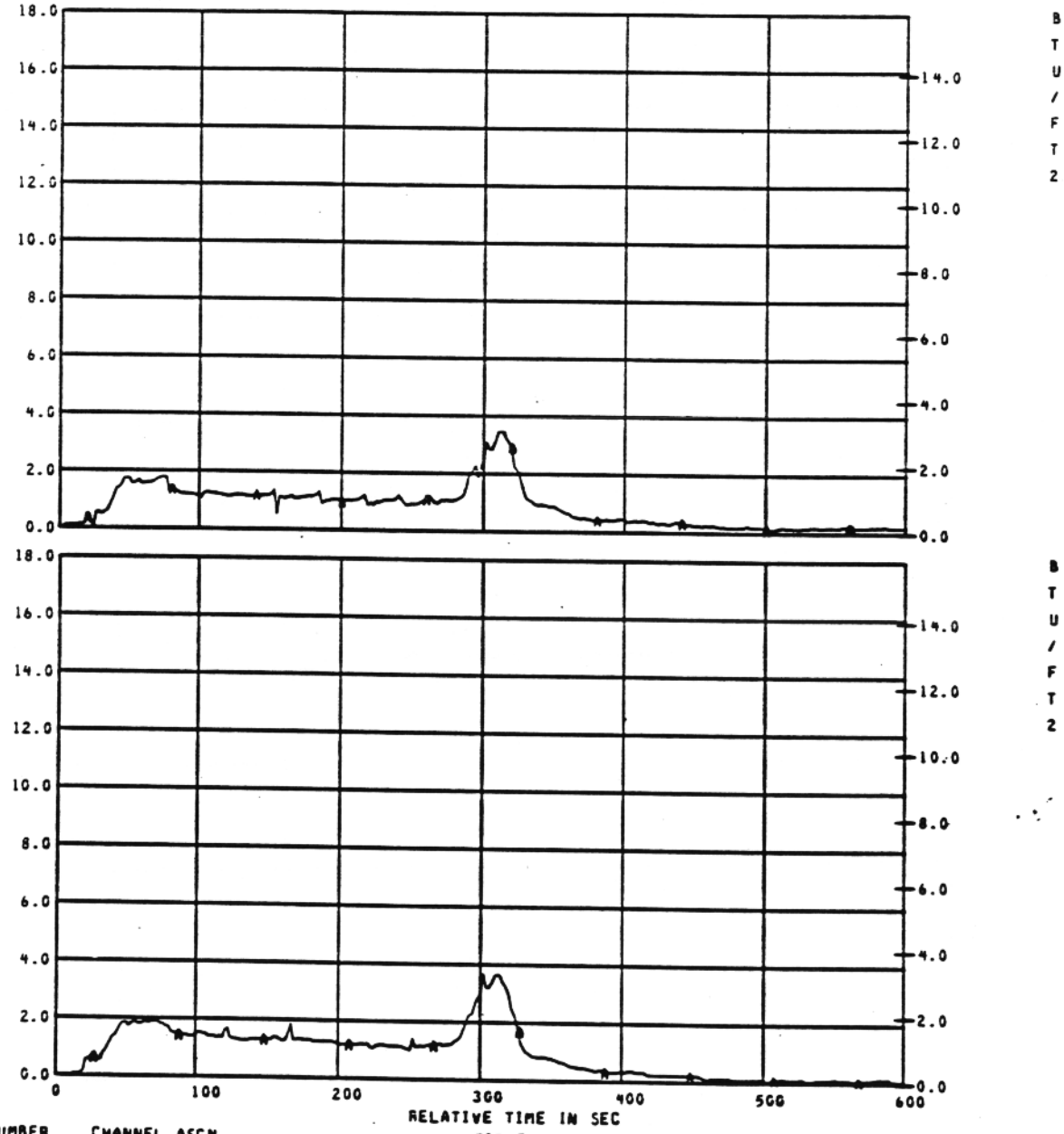
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 09 45 01.000



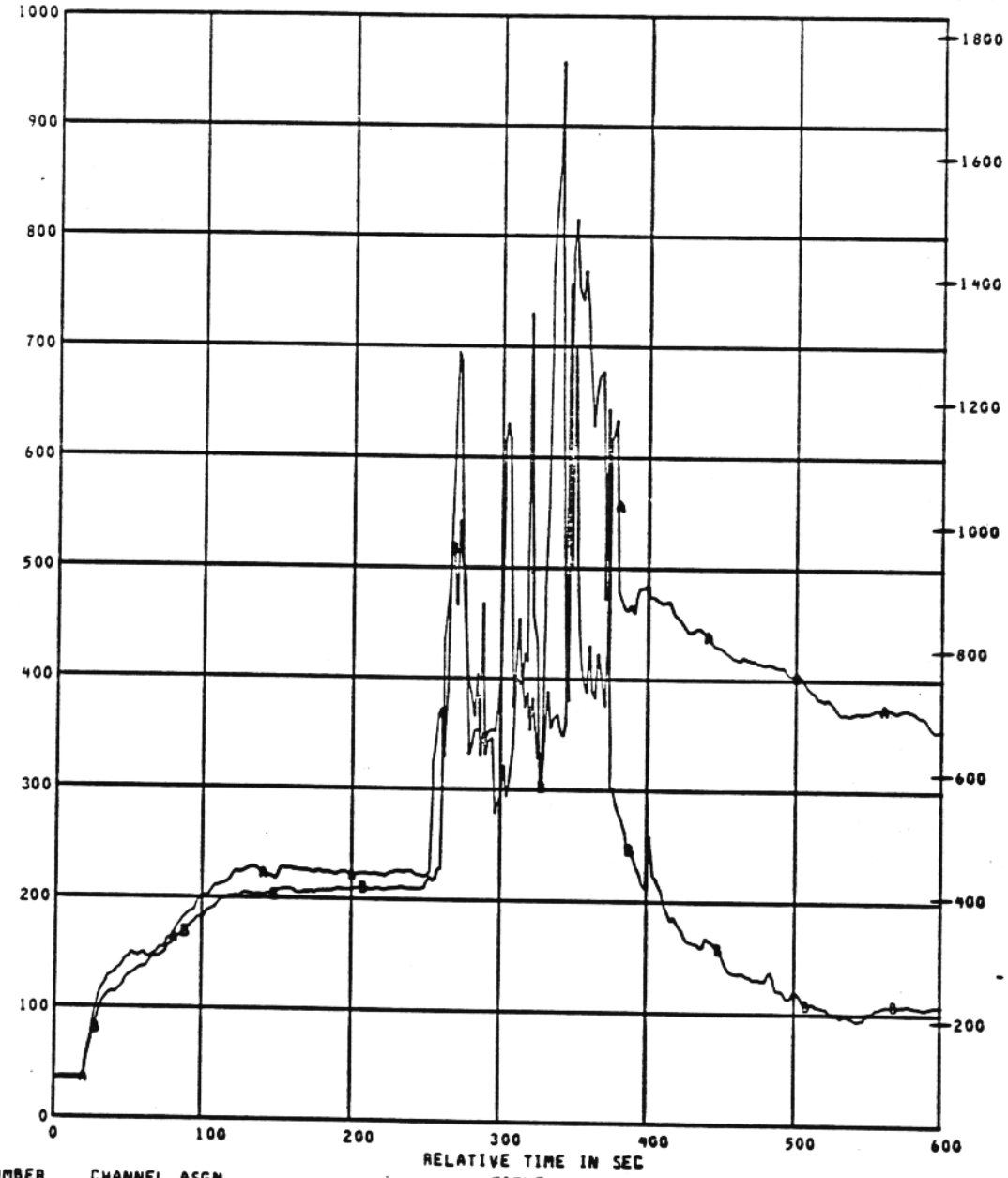
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 09 45 01.000



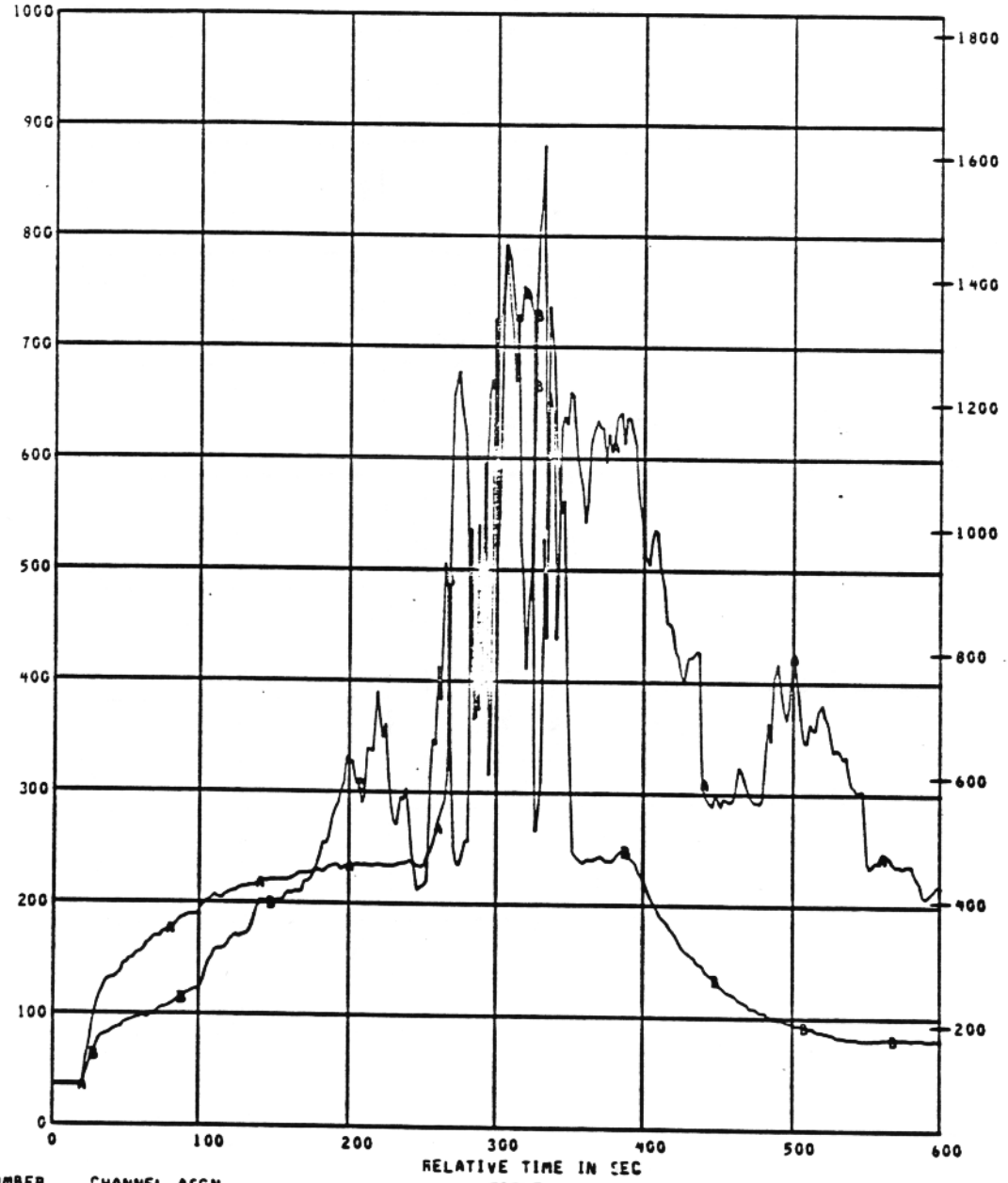
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 09 45 01.000



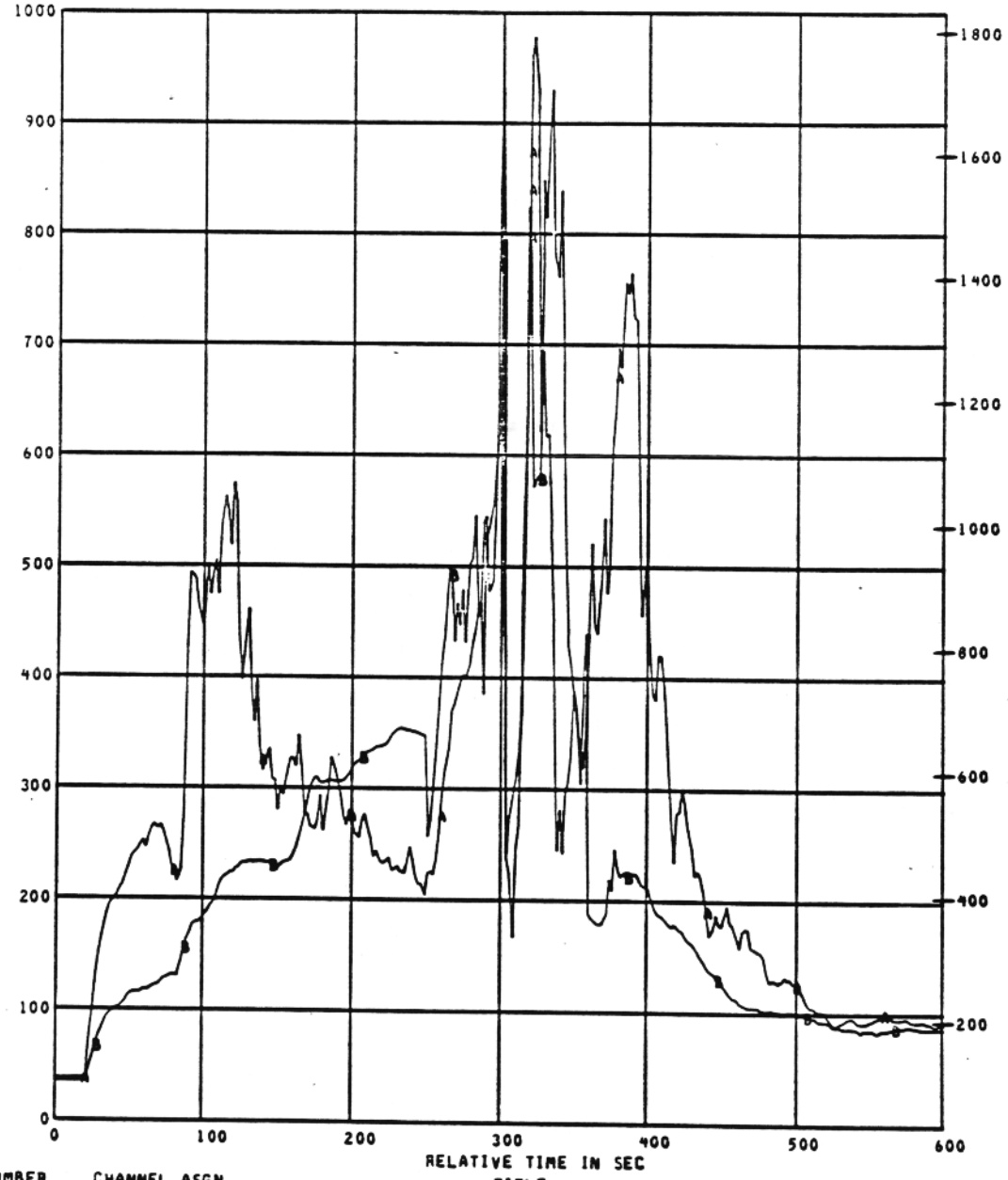
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 09 45 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 NASA1 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 09 45 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

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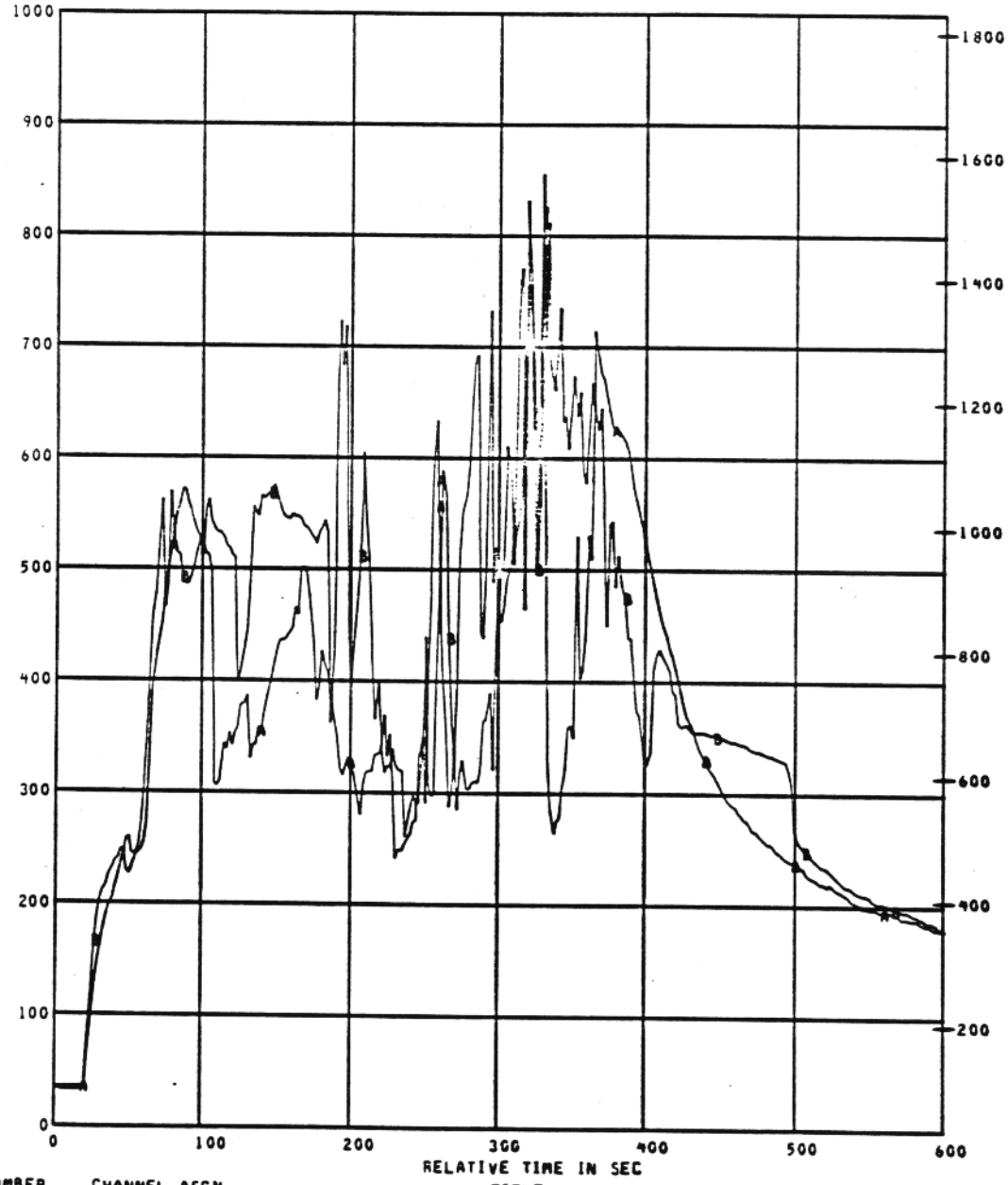
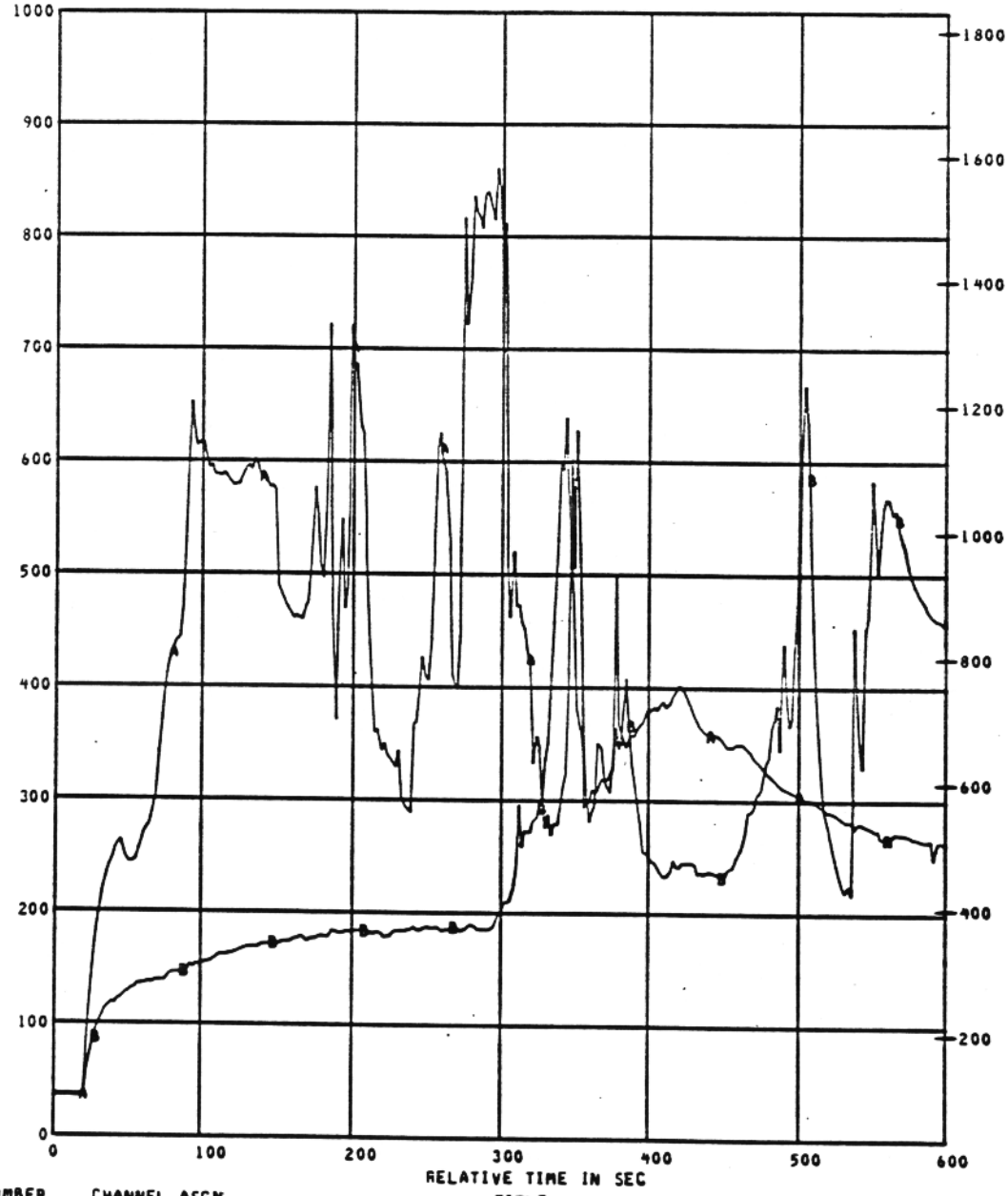


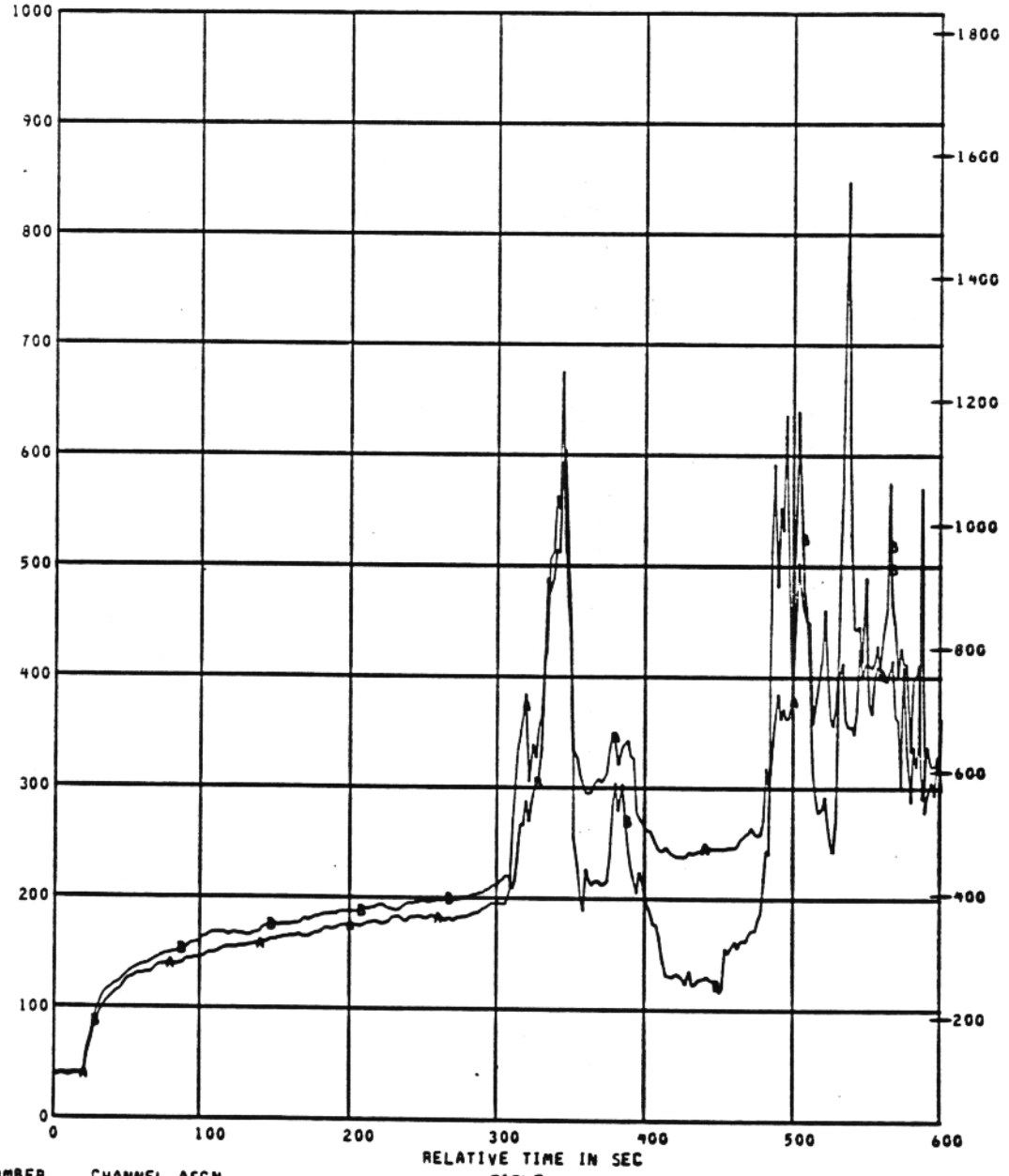
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 09 45 01.000



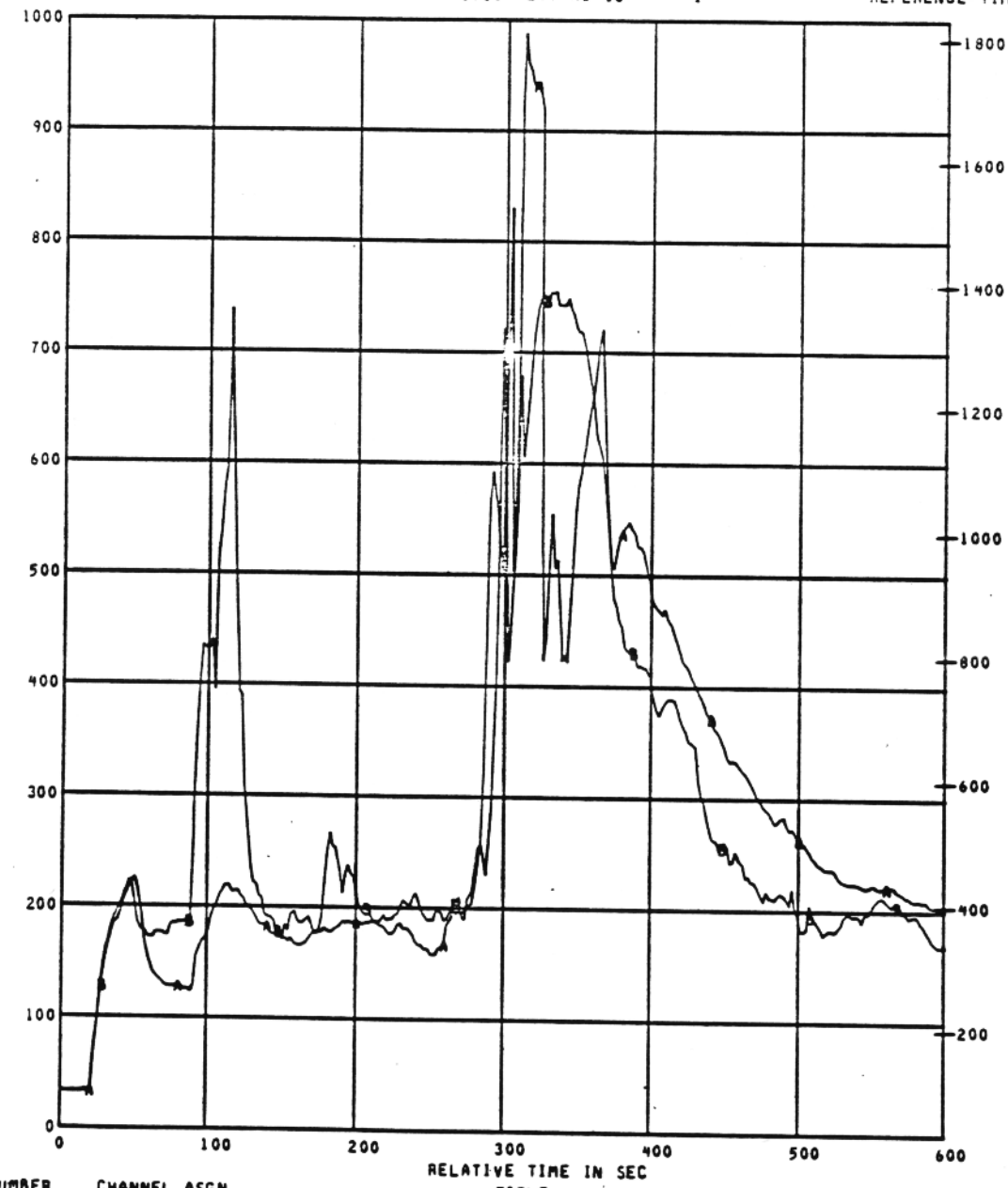
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 09 45 01.000



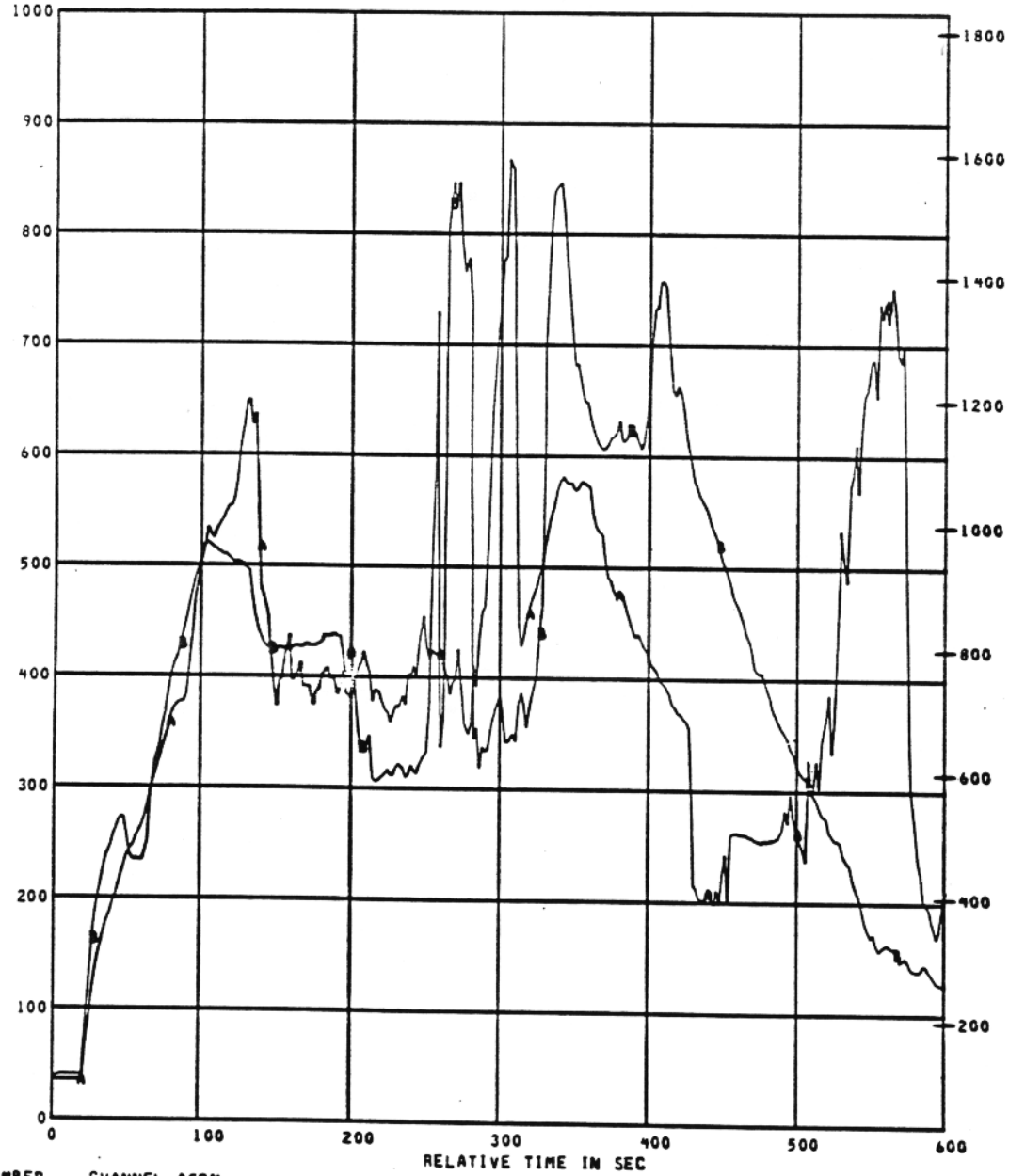
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 09 45 01.000



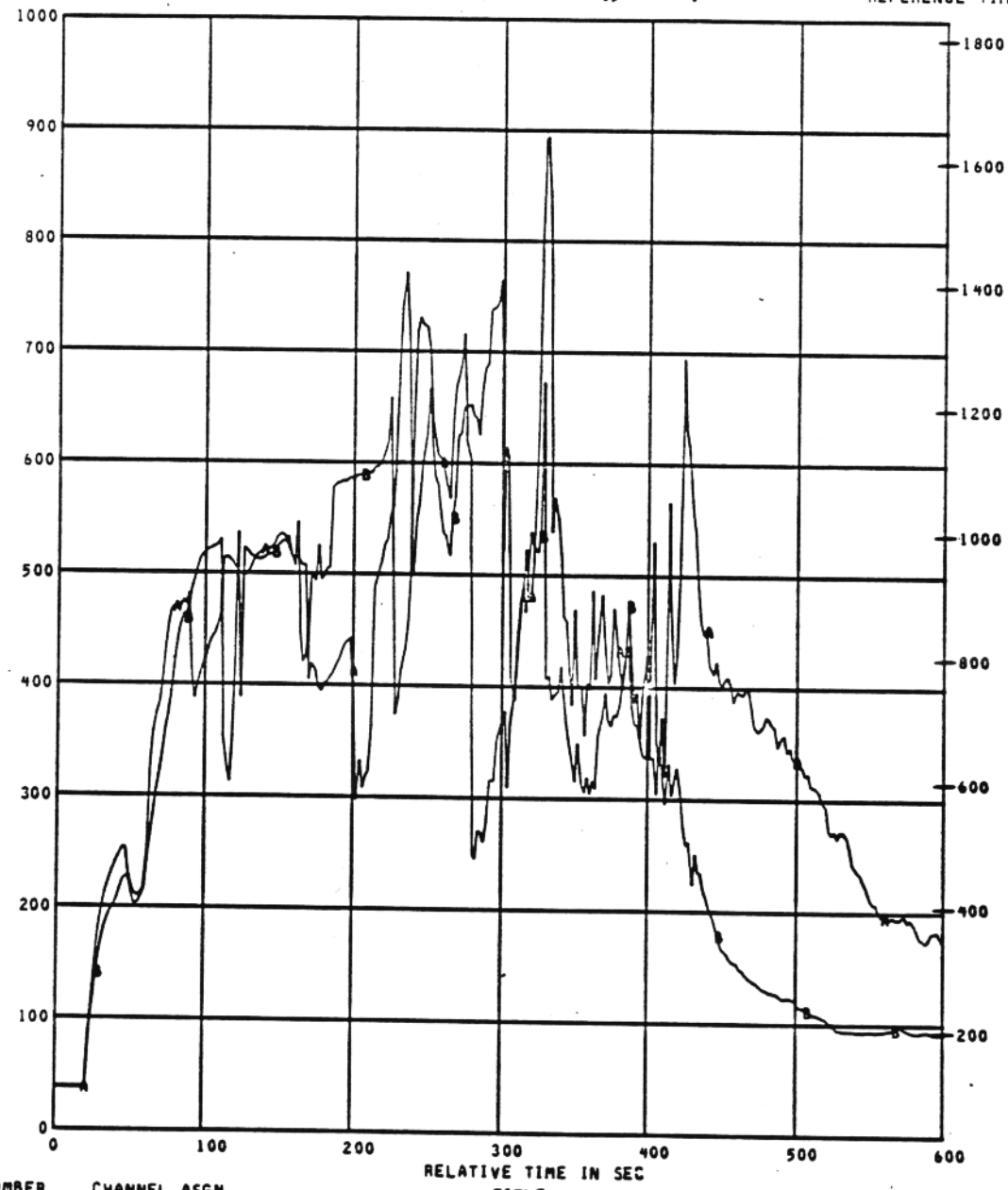
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 09 45 01.000



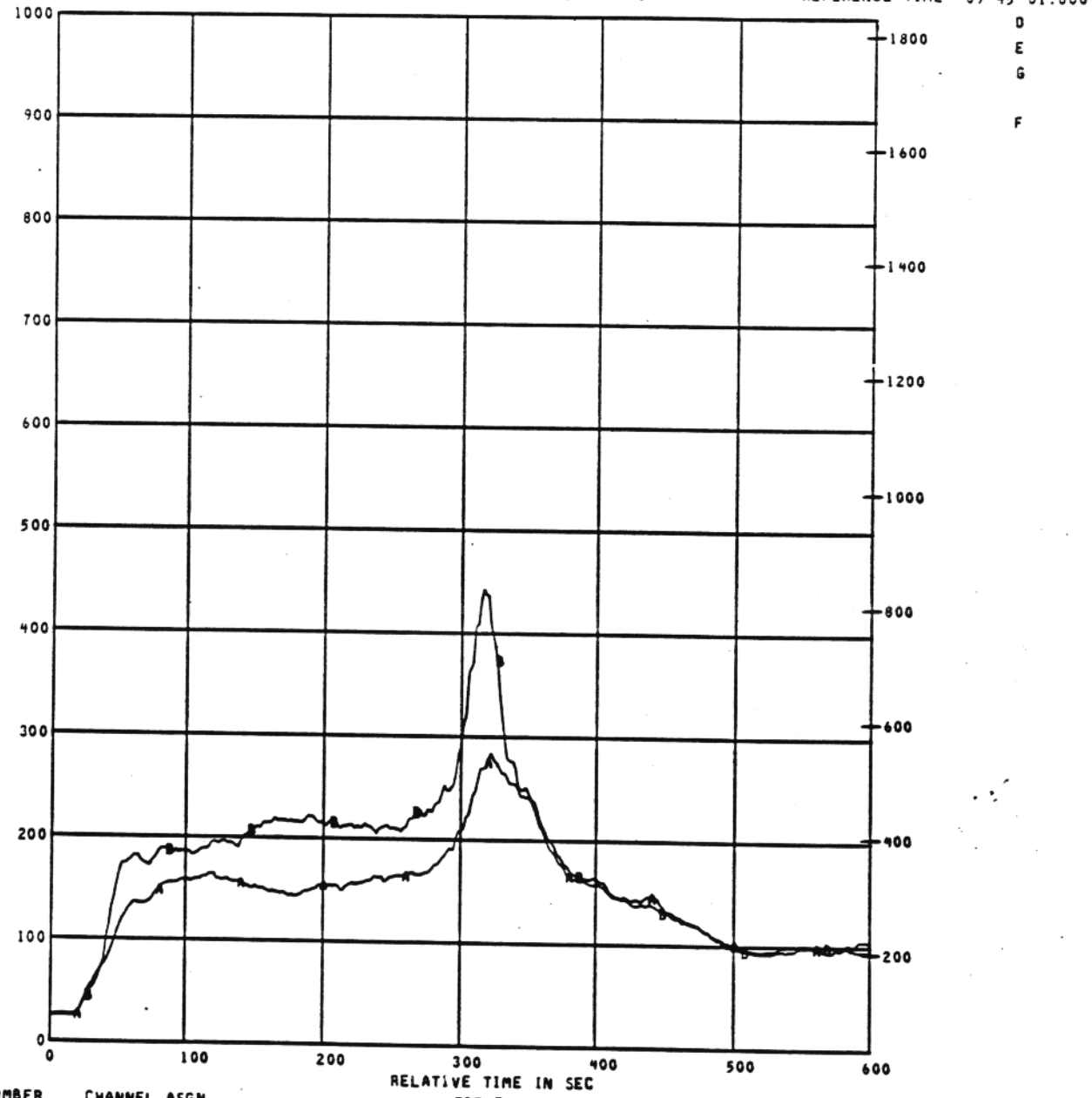
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 09 45 01.000



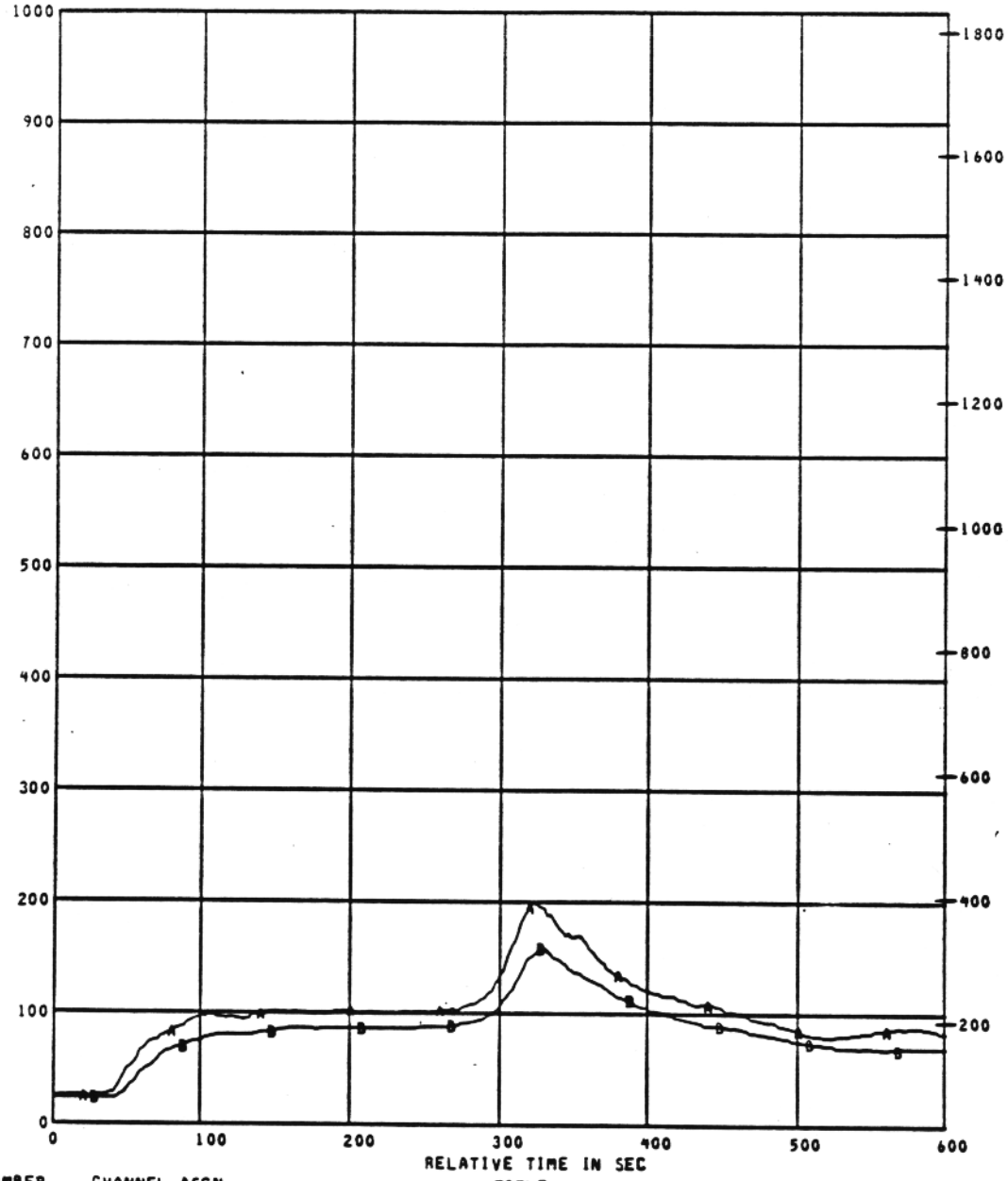
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 09 45 01.000



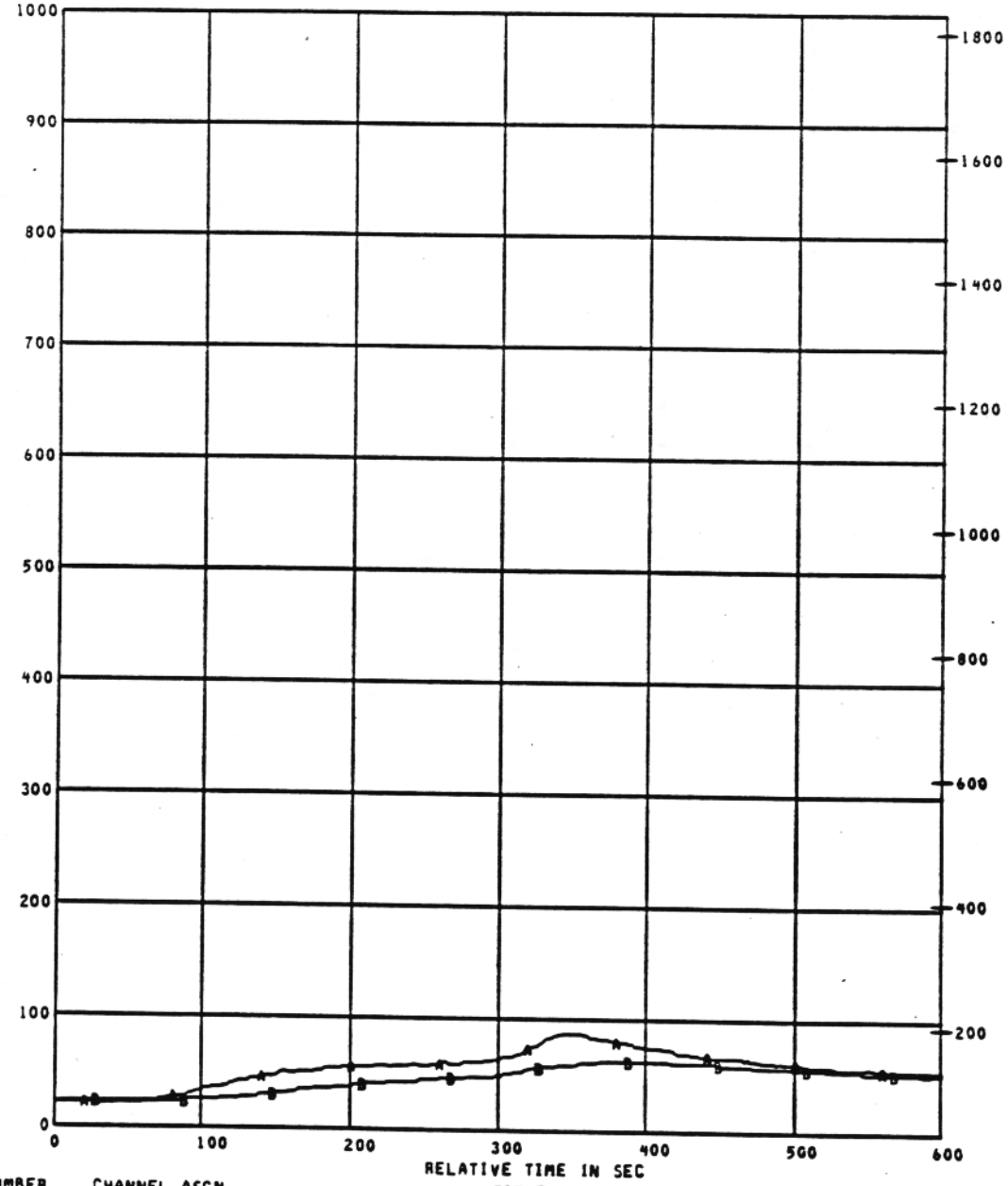
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 09 45 01.000

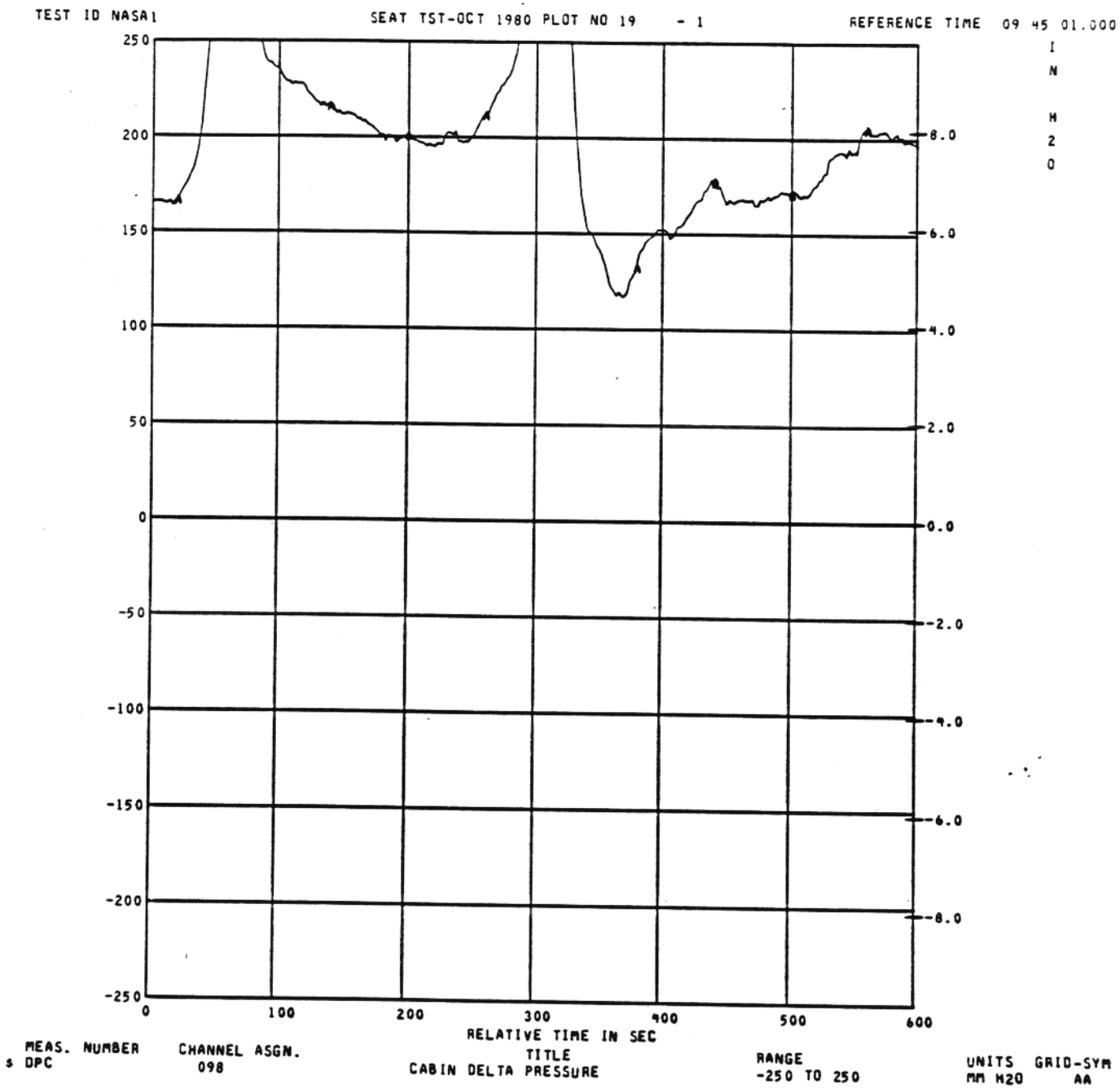


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

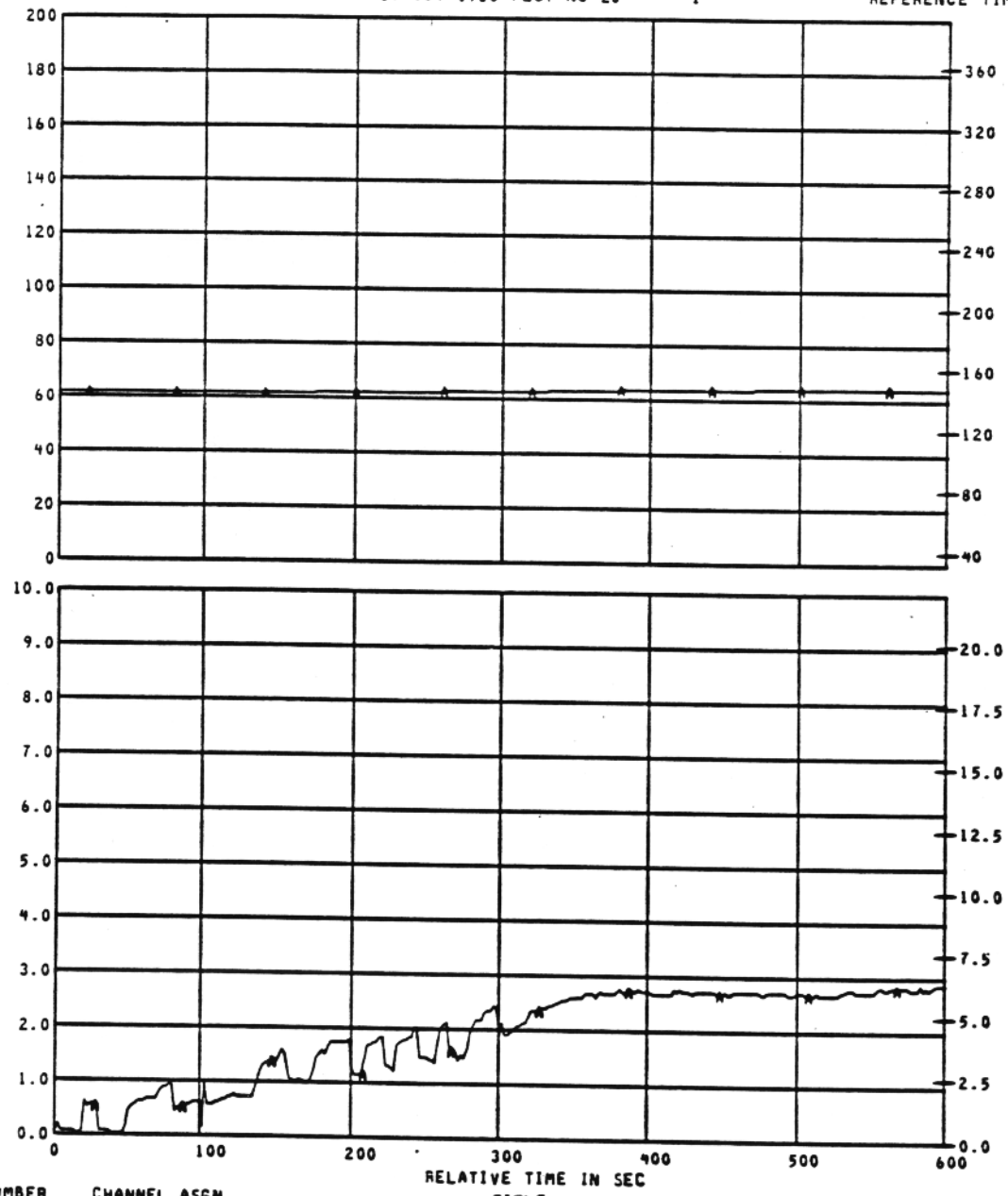
TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 09 45 01.000



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

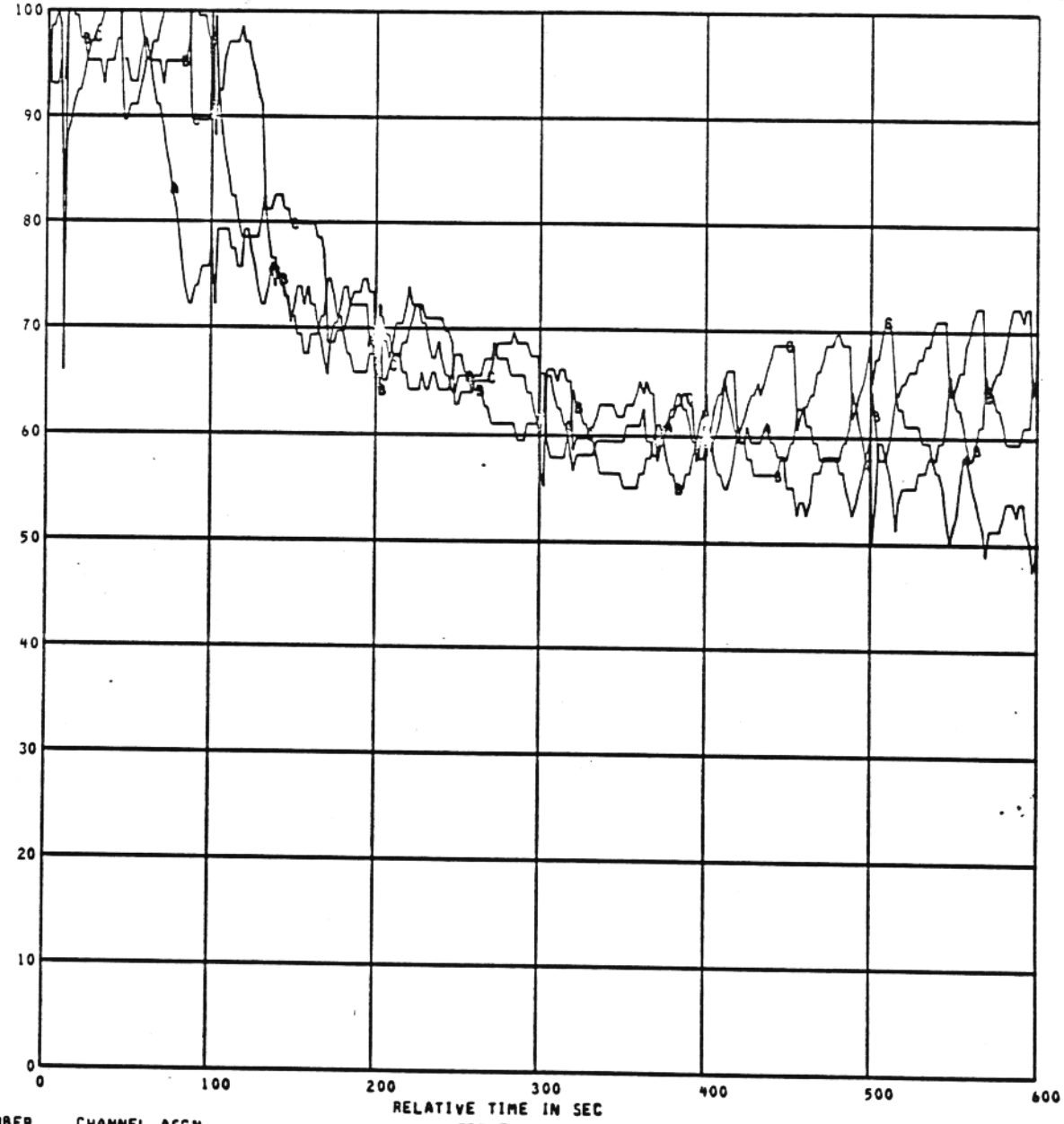

TEST ID NASA1
SEAT TST-OCT 1980 PLOT NO 19 - 1
REFERENCE TIME 09 45 01.000
IN H2O
250
200
150
100
50
0
-50
-100
-150
-200
-250
8.0
6.0
4.0
2.0
0.0
-2.0
-4.0
-6.0
-8.0
0
100
200
300
400
500
600
RELATIVE TIME IN SEC
MEAS. NUMBER
$ DPC
CHANNEL ASGN.
098
TITLE
CABIN DELTA PRESSURE
RANGE
-250 TO 250
UNITS
MM H2O
GRID-SYM
AA

TEST ID NASA1 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 09 45 01.000



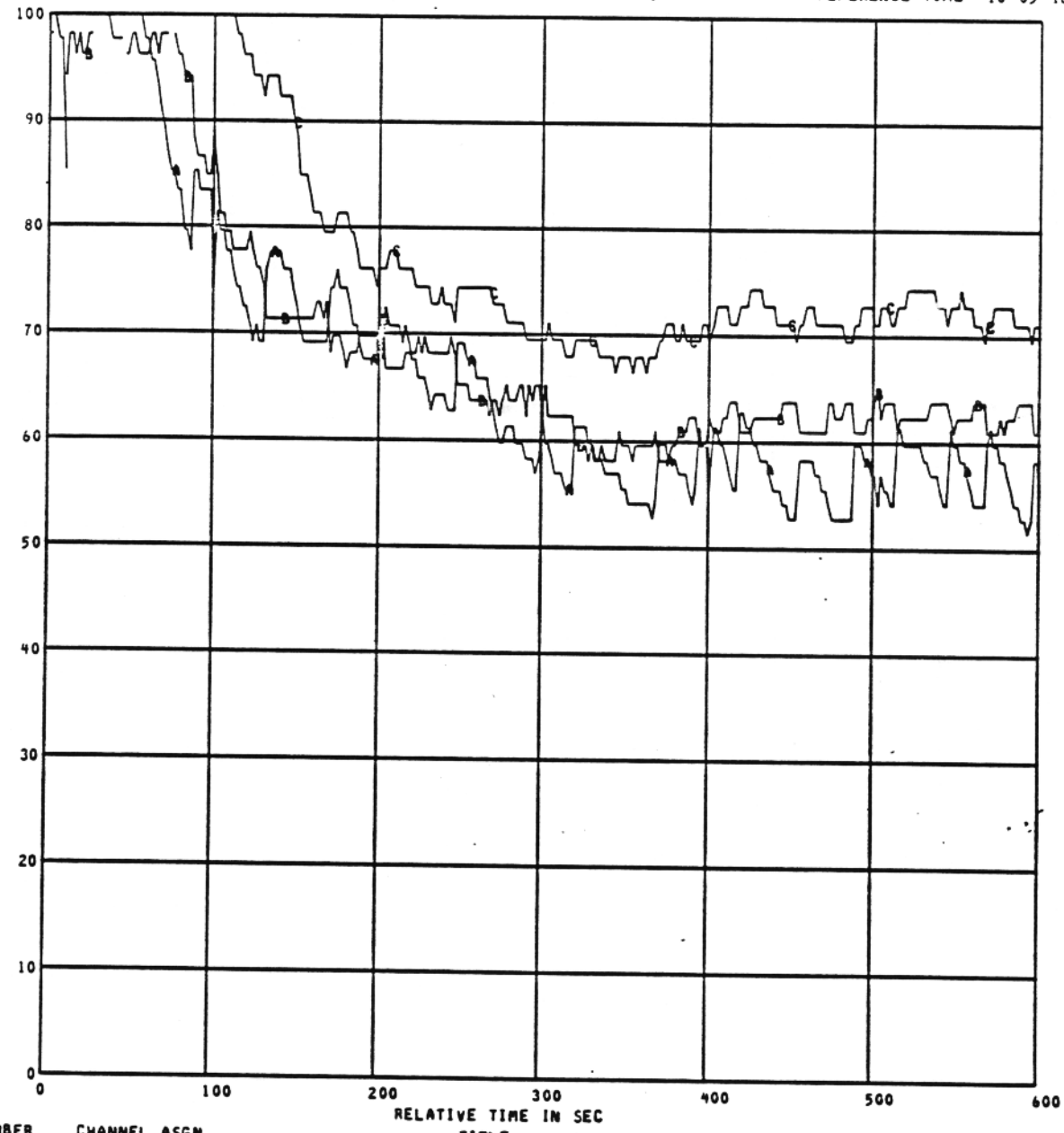
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 10 05 16.000



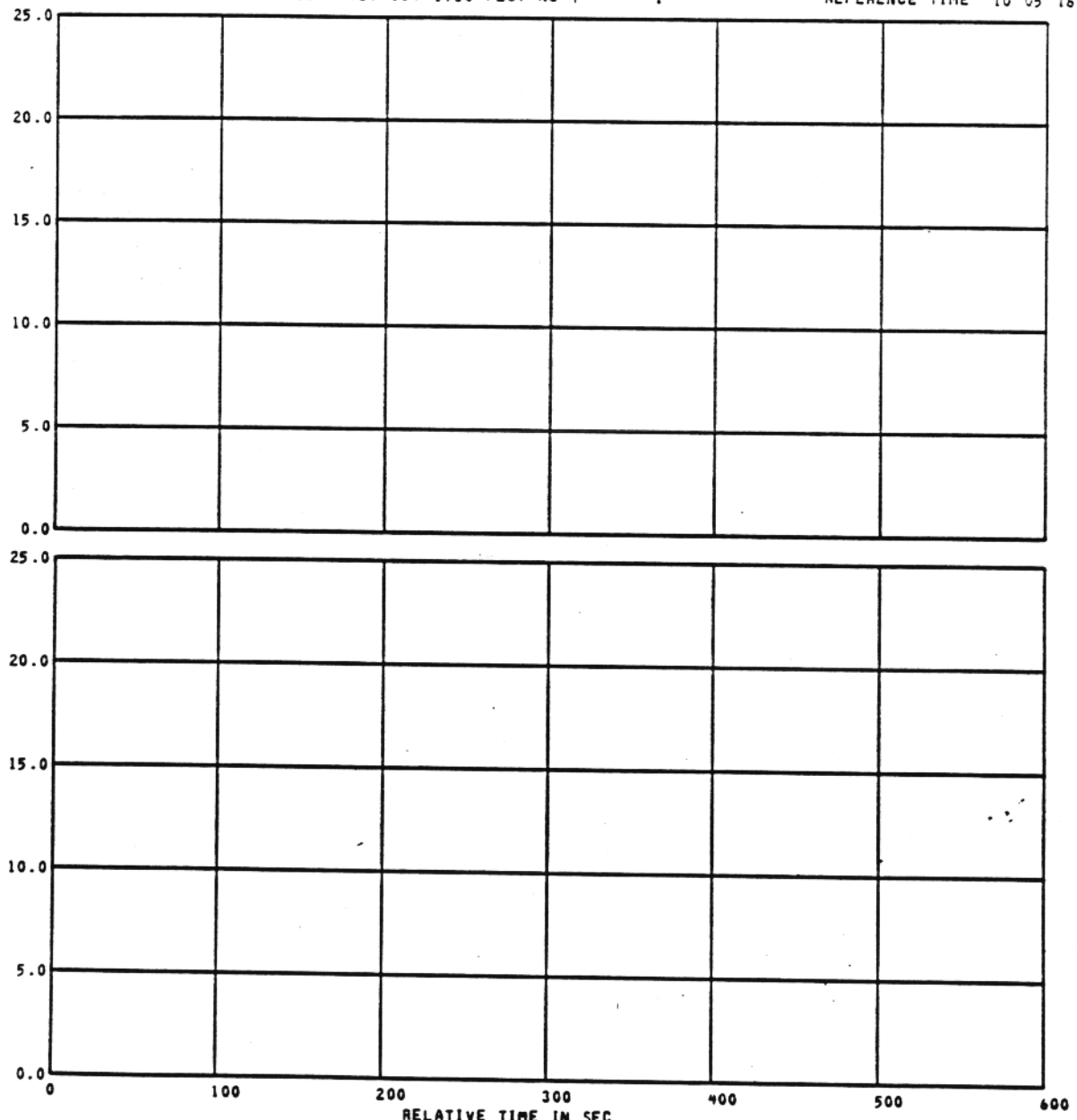
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 10 05 16.000



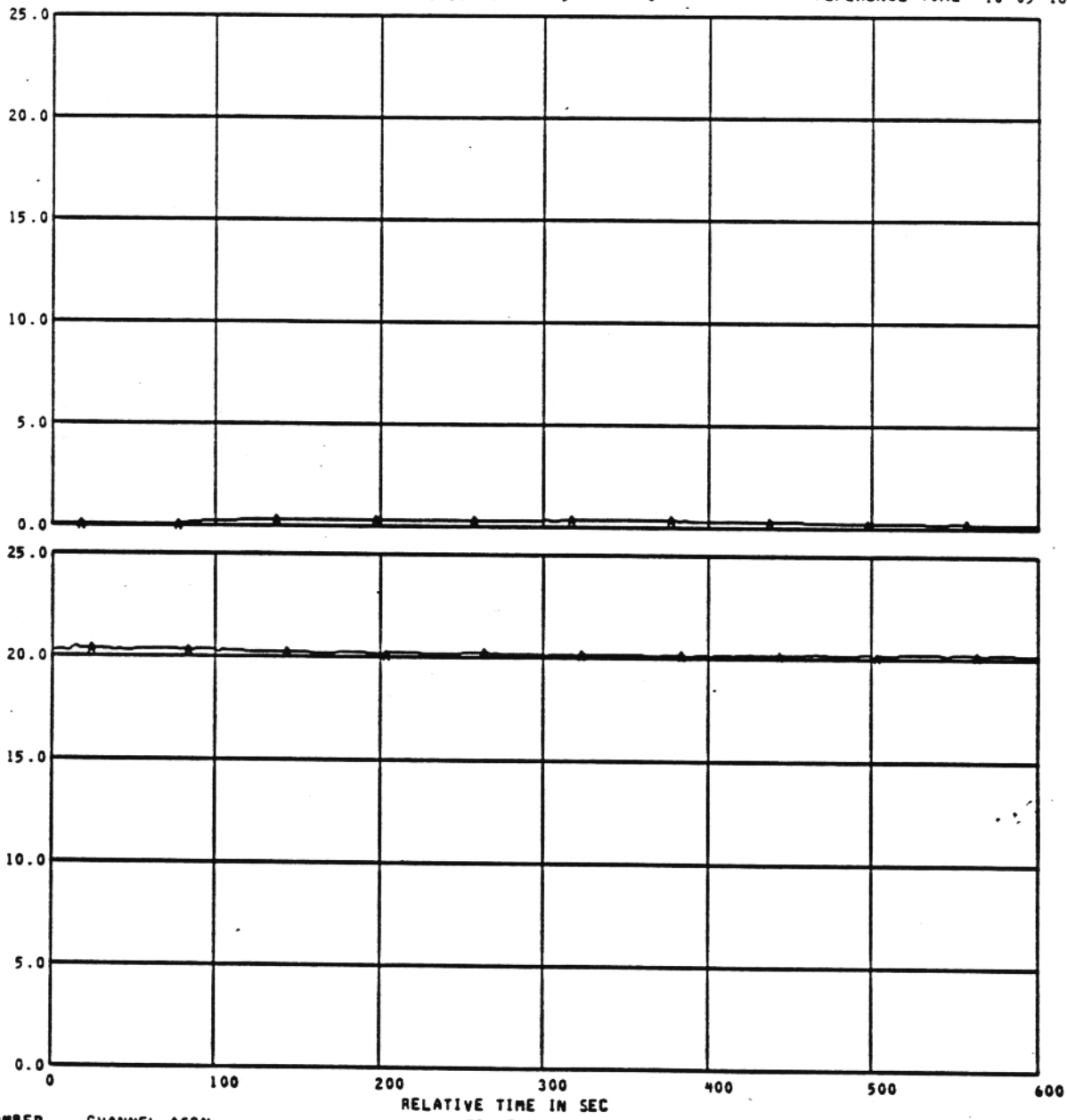
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 10 05 16.000



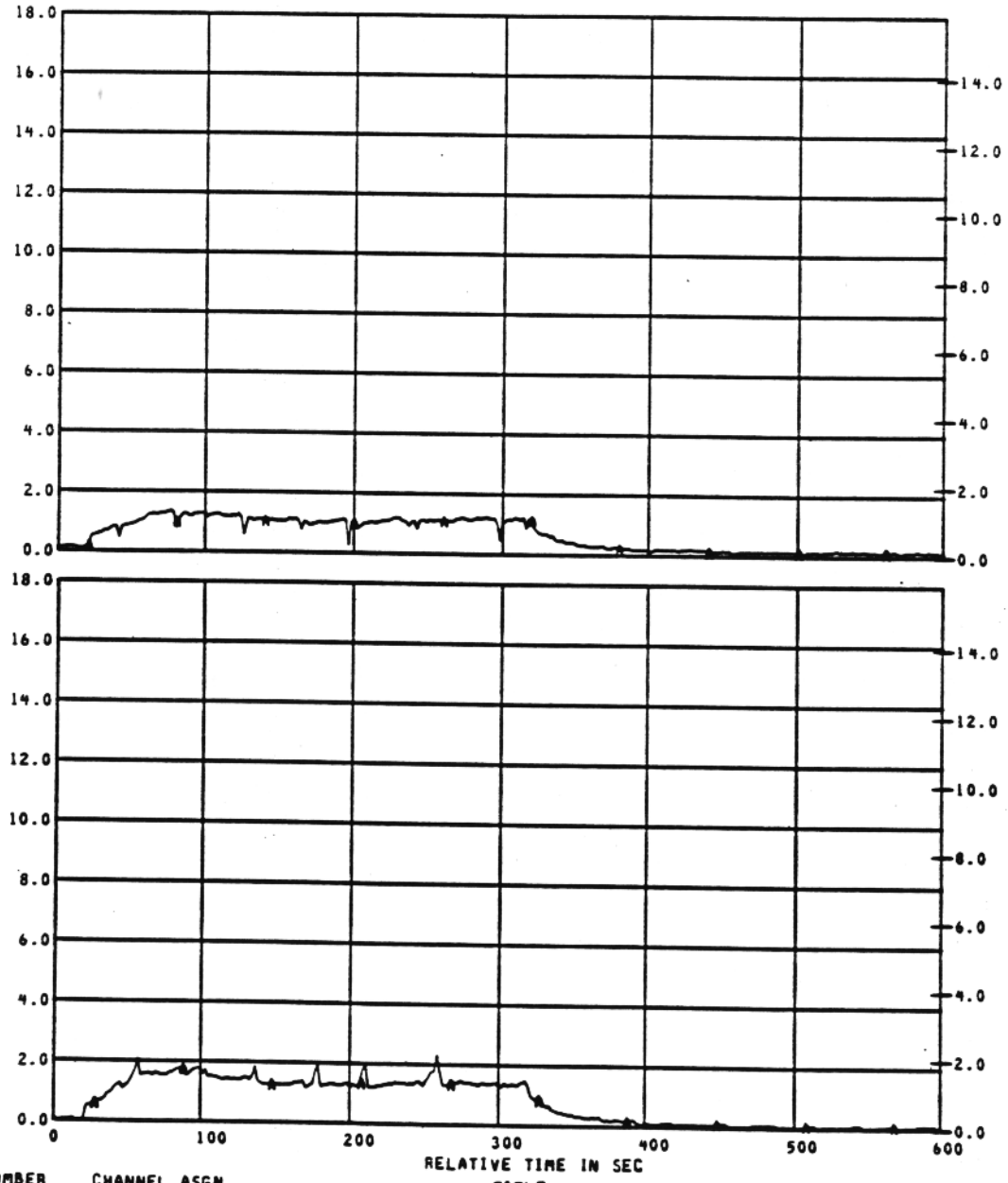
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 10 05 16.000



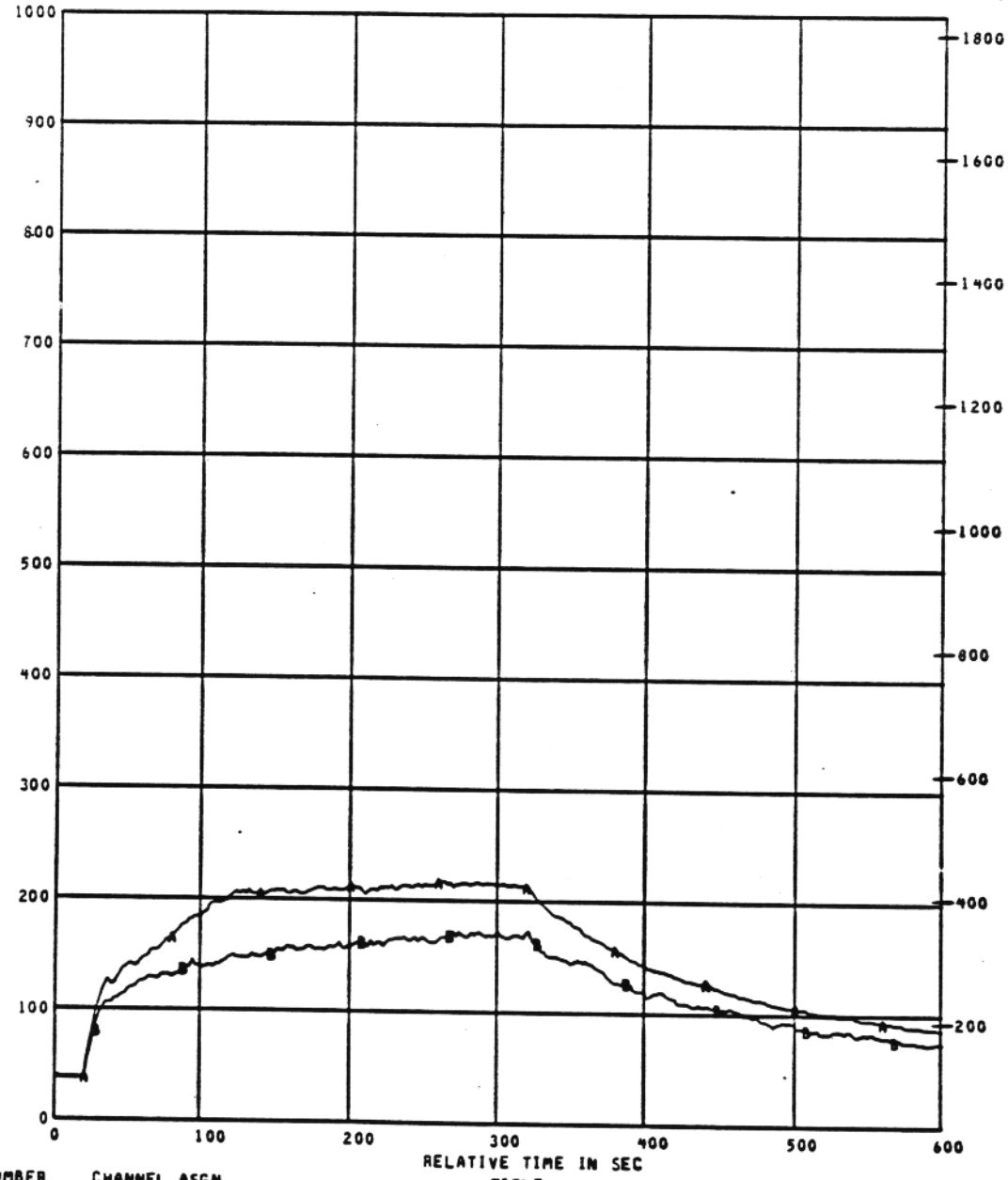
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 10 05 16.000



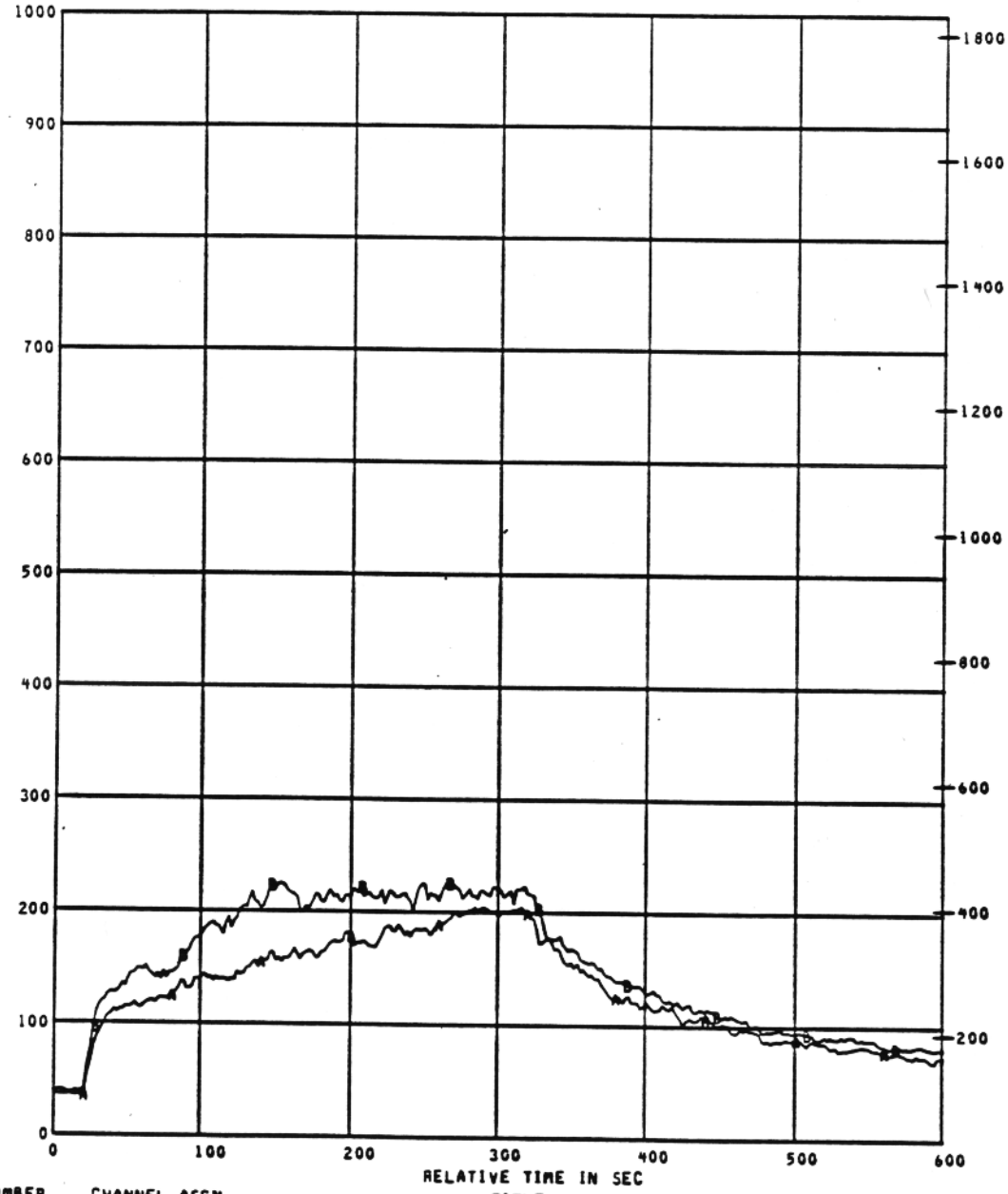
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 10 05 16.000



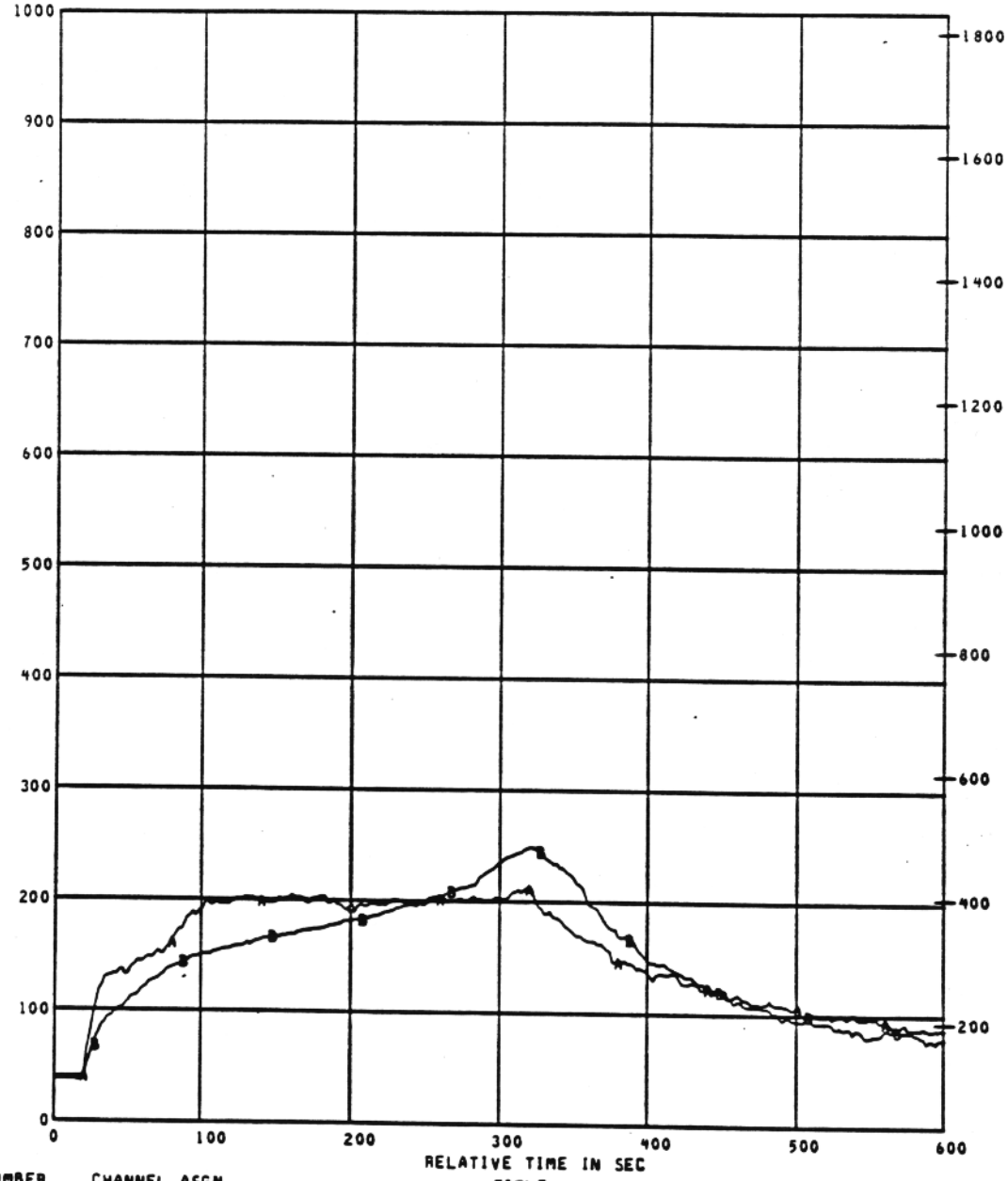
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 10 05 16.000

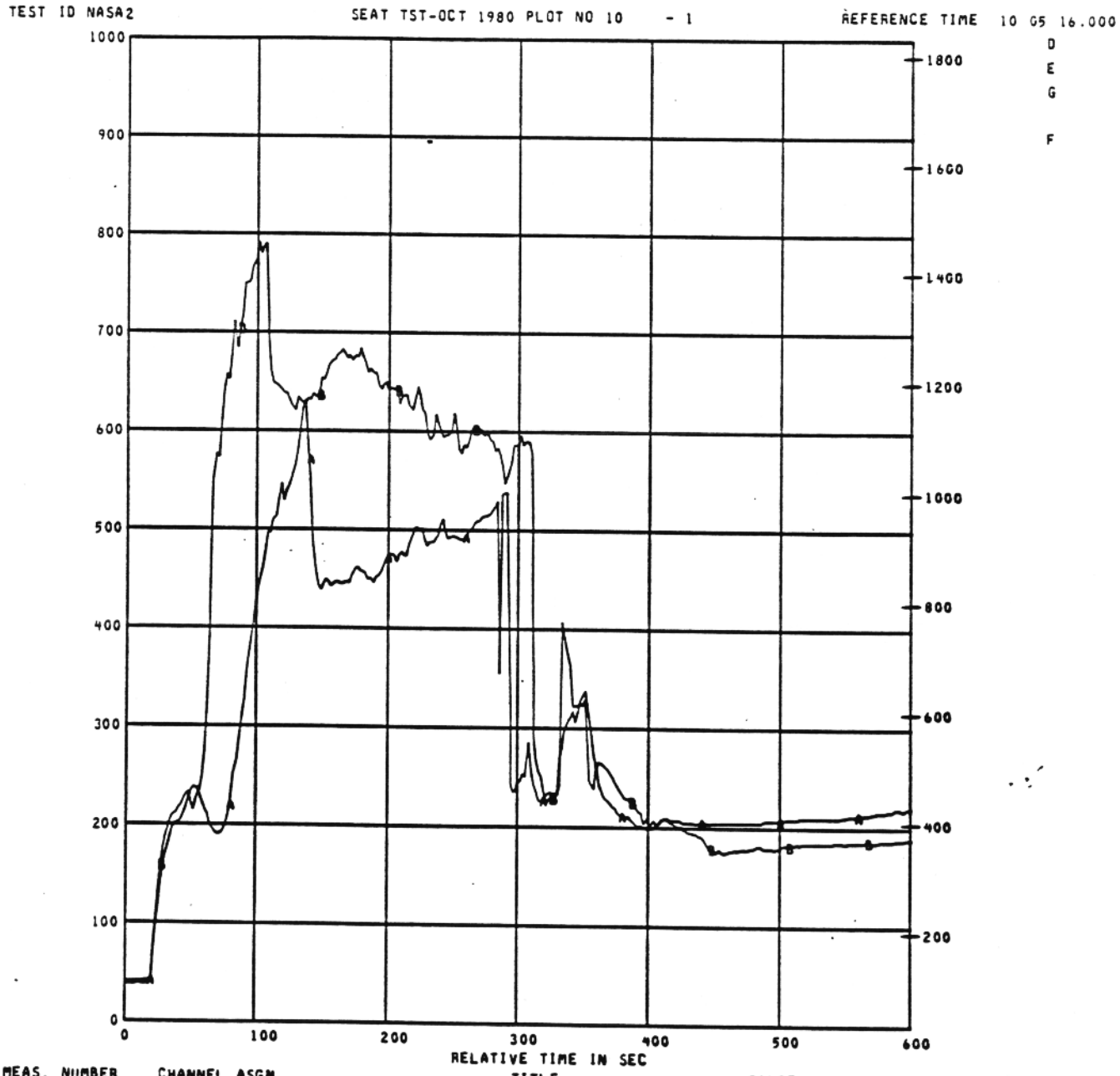


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 10 05 16.000

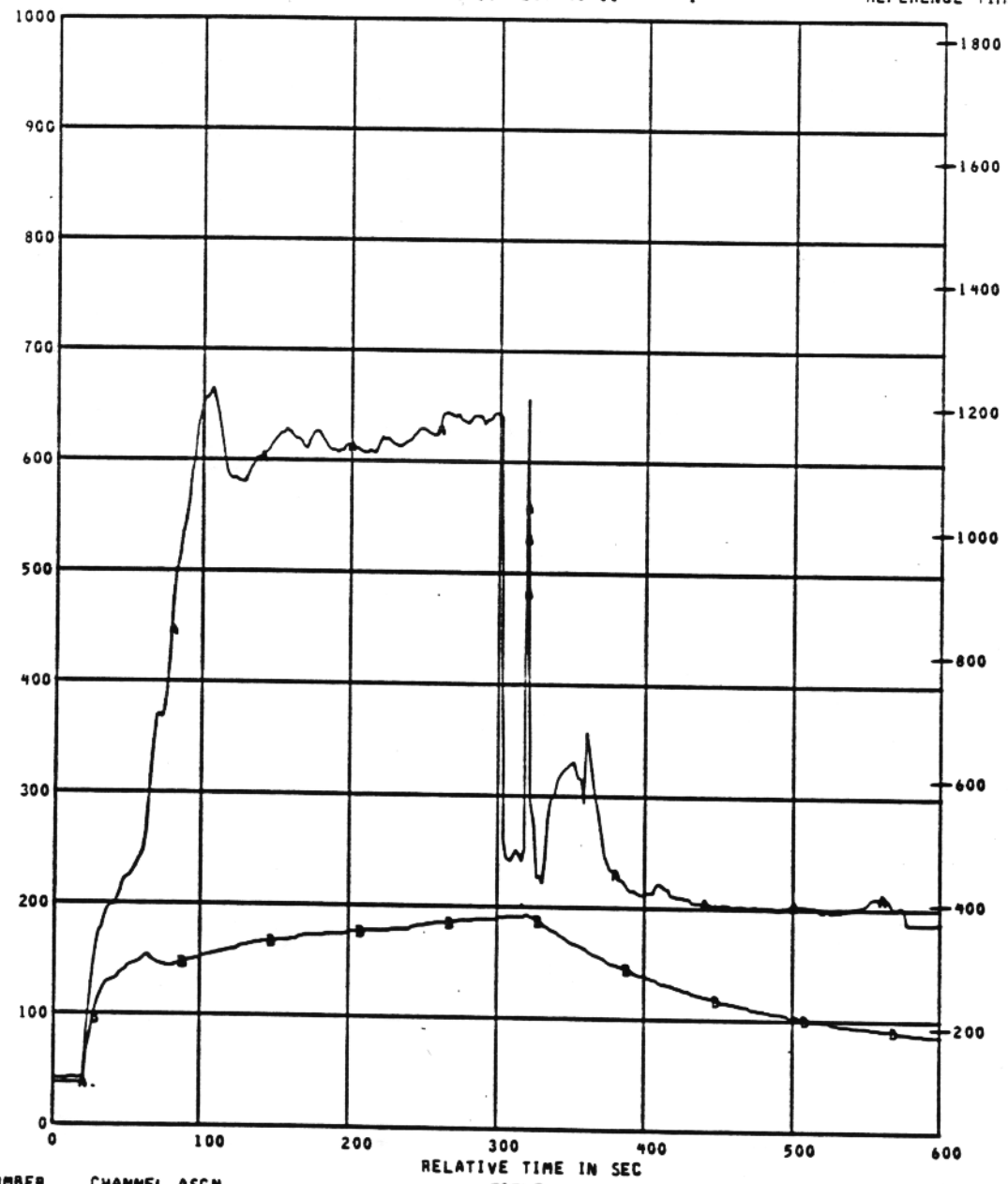


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB



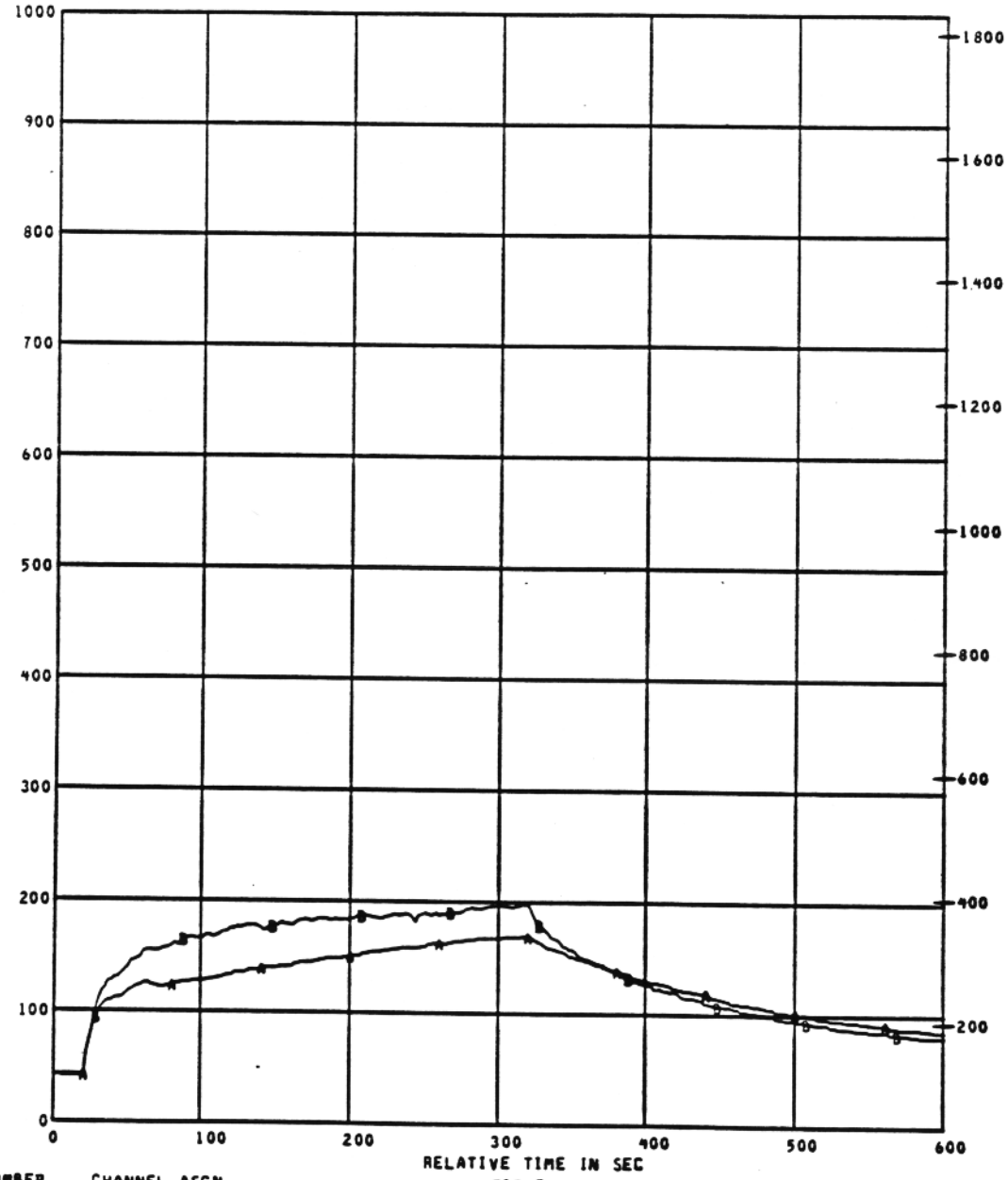
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 10 05 16.000



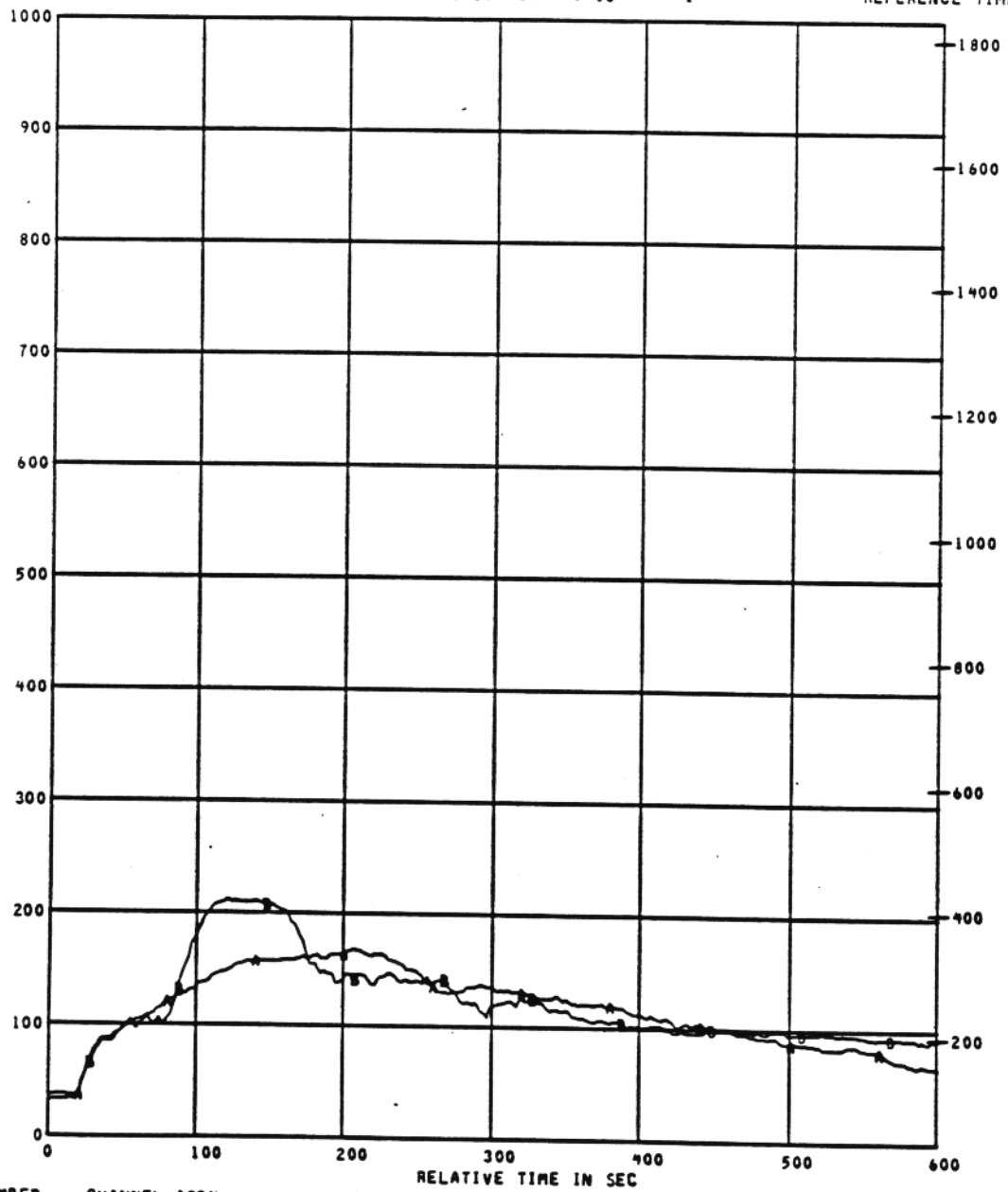
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 10 G5 16.000



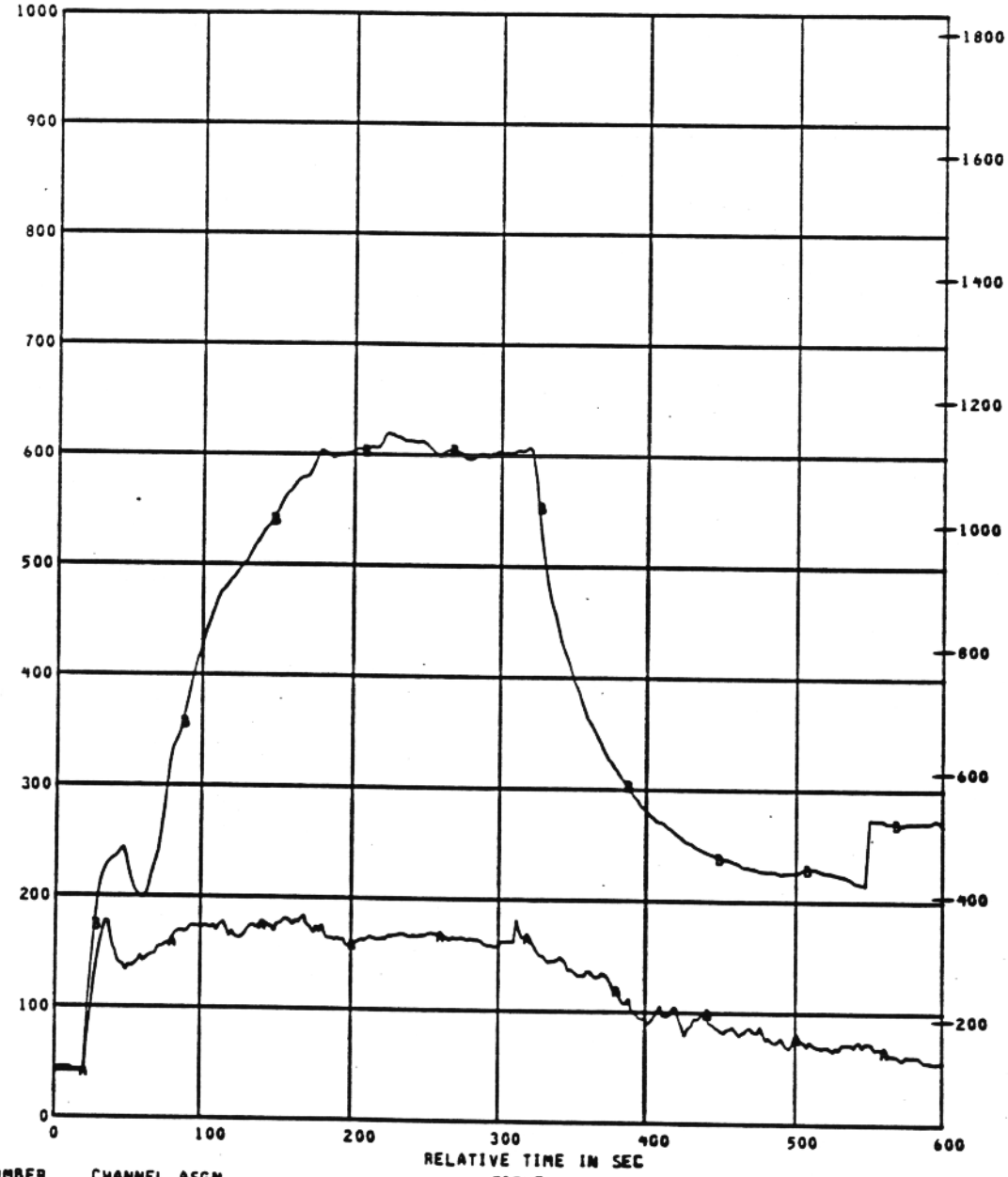
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 10 05 16.000



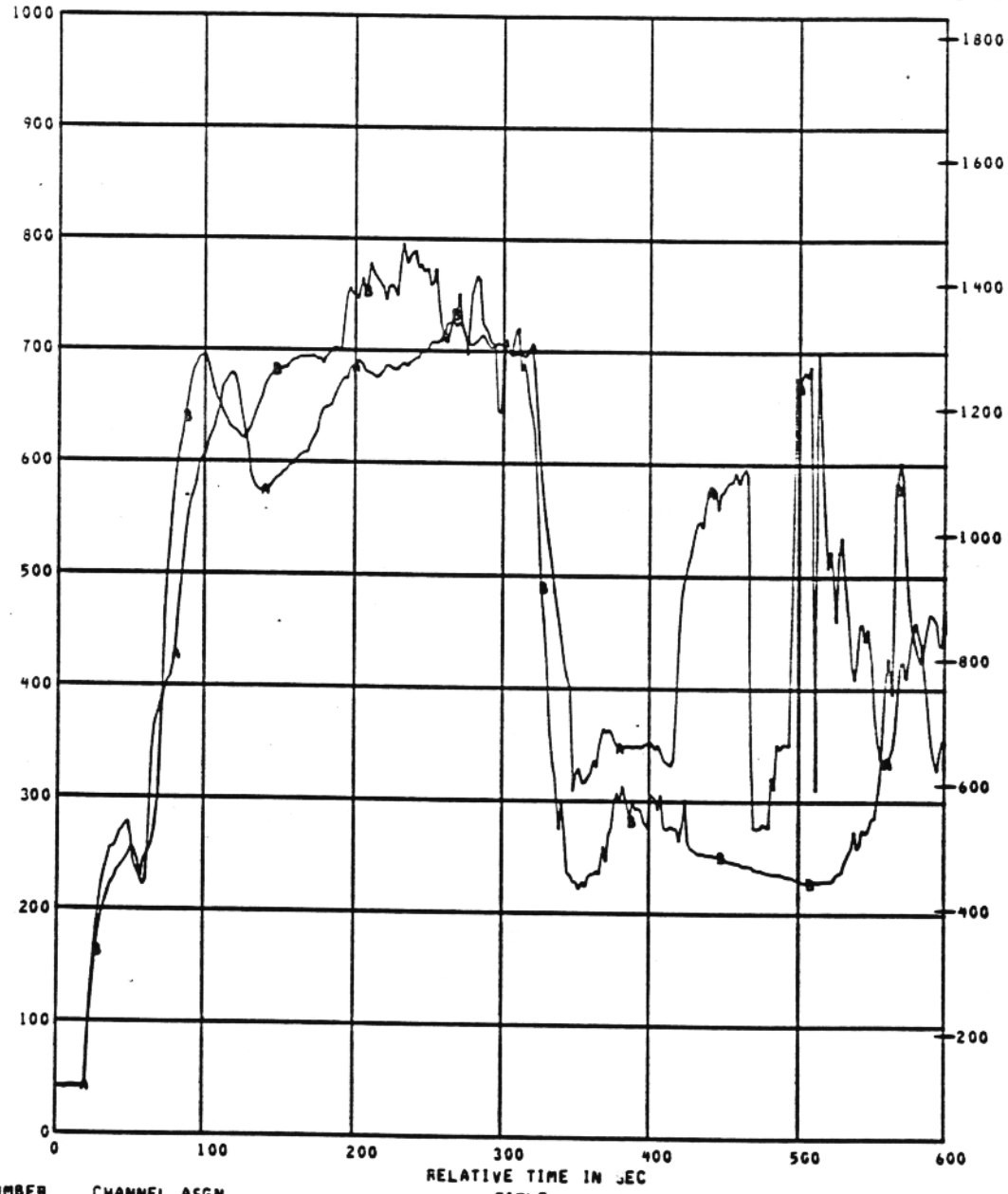
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 10 05 16.000



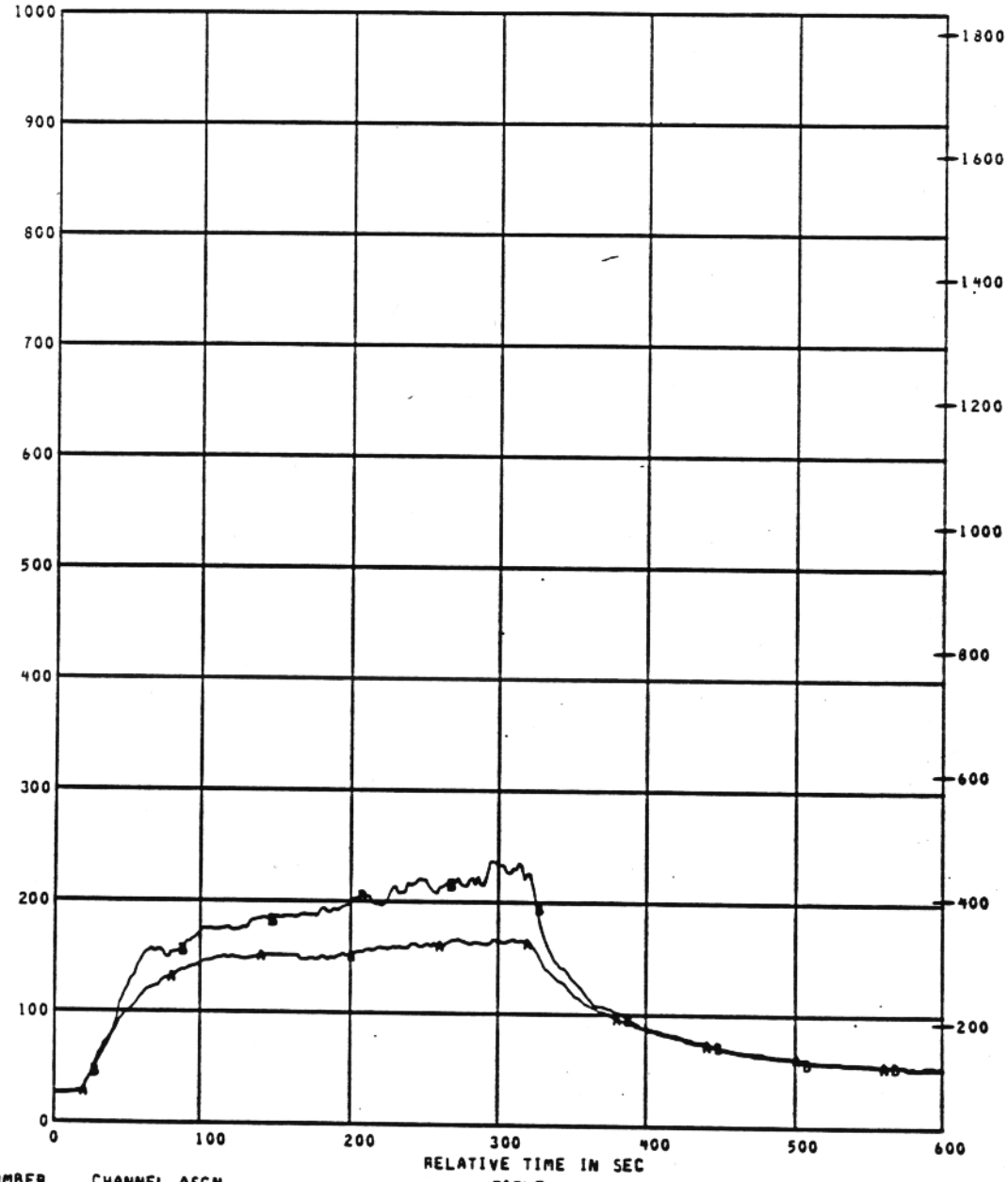
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 10 05 16.000



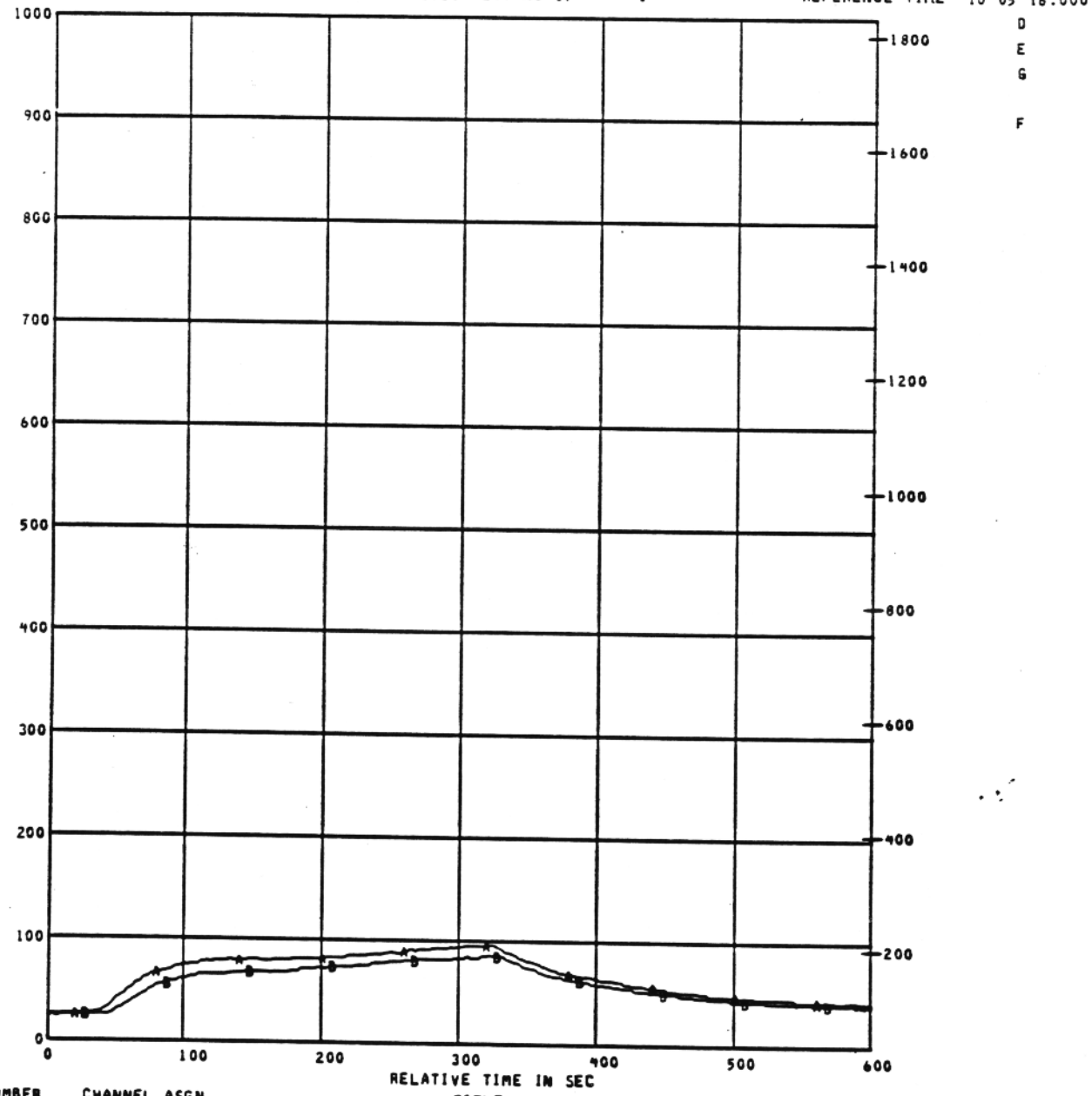
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 10 05 16.000



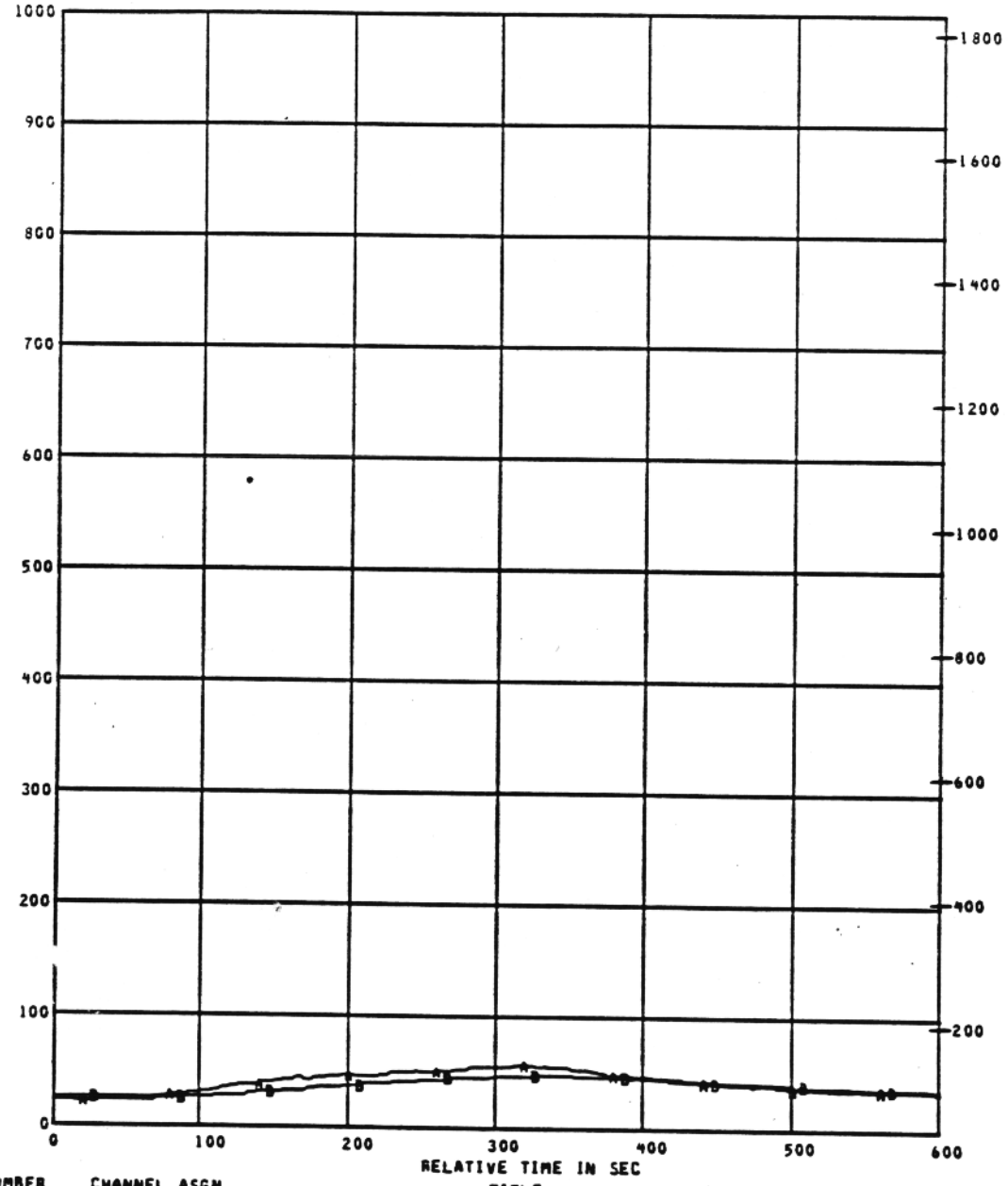
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 10 05 16.000



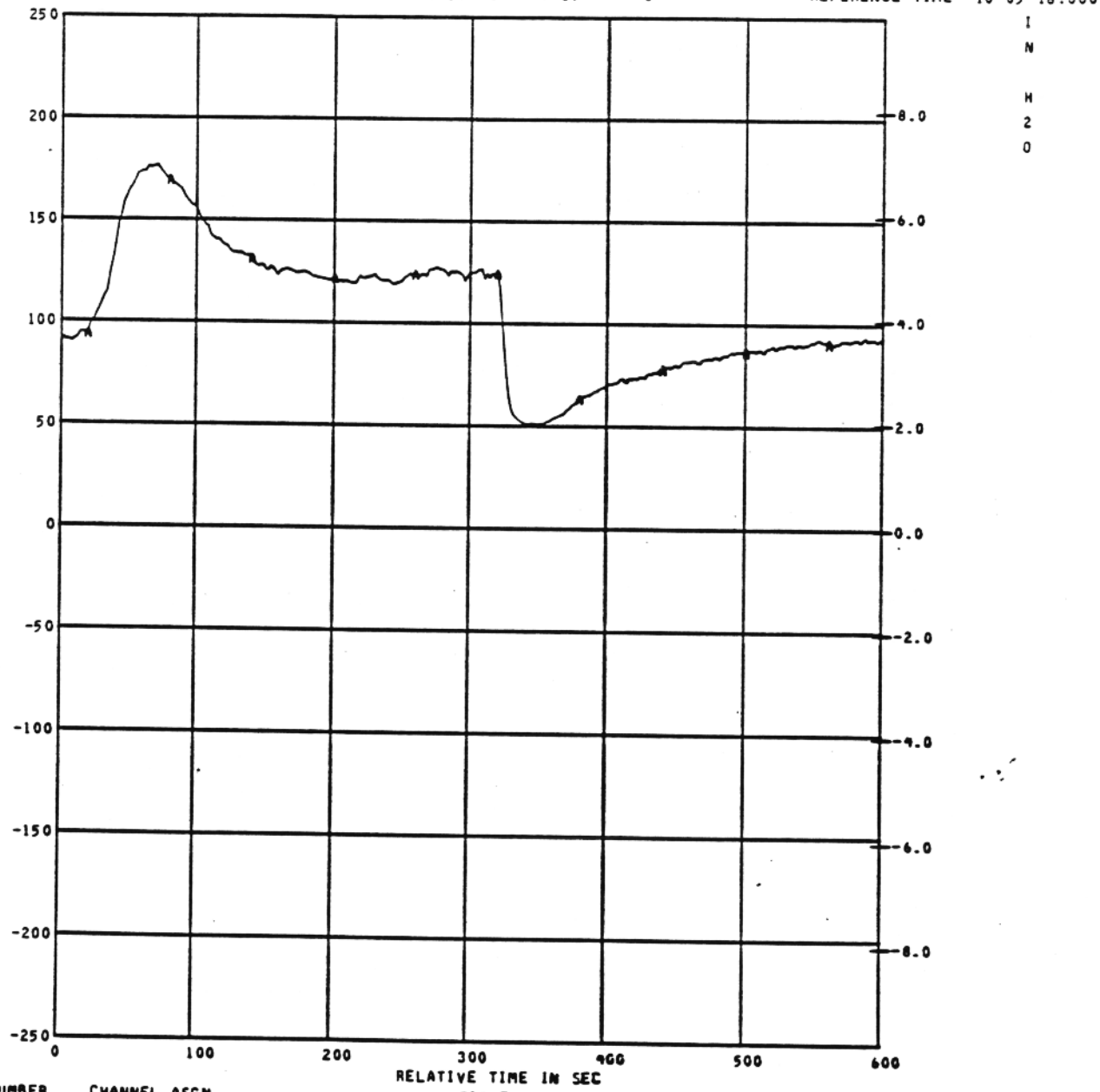
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 10 05 16.000



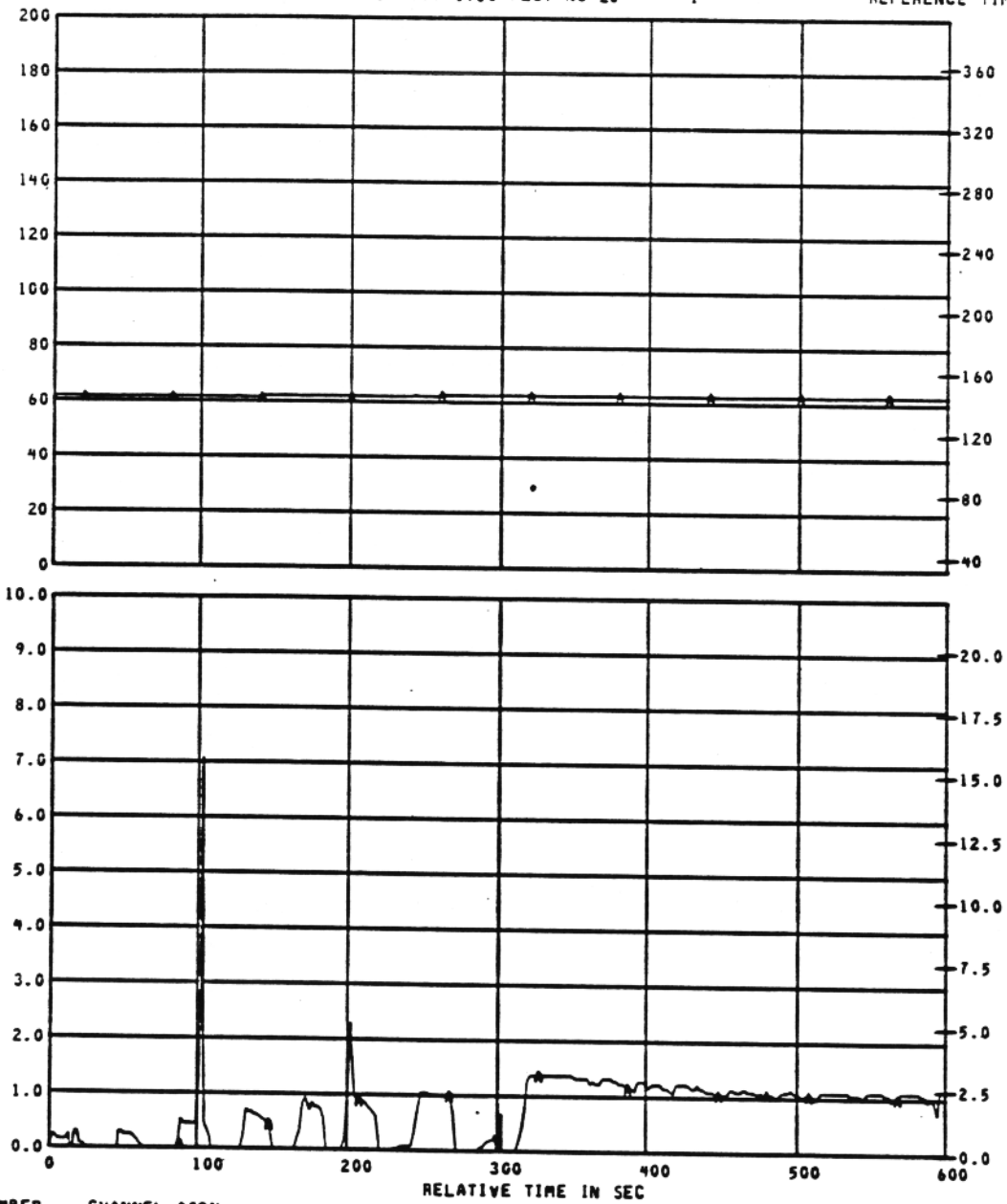
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 10 05 16.000



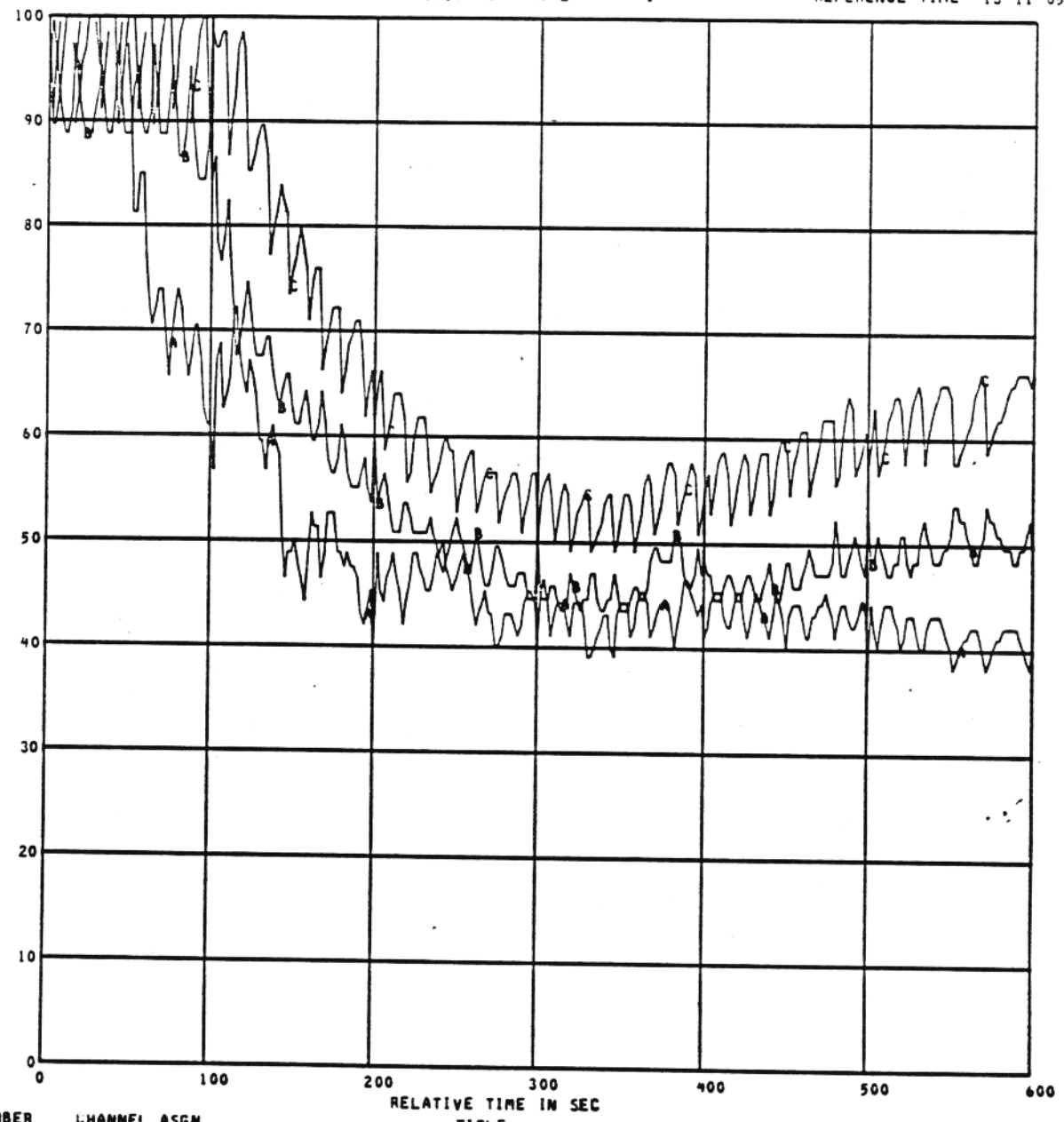
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H2O	AA

TEST ID NASA2 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 10 05 16.000



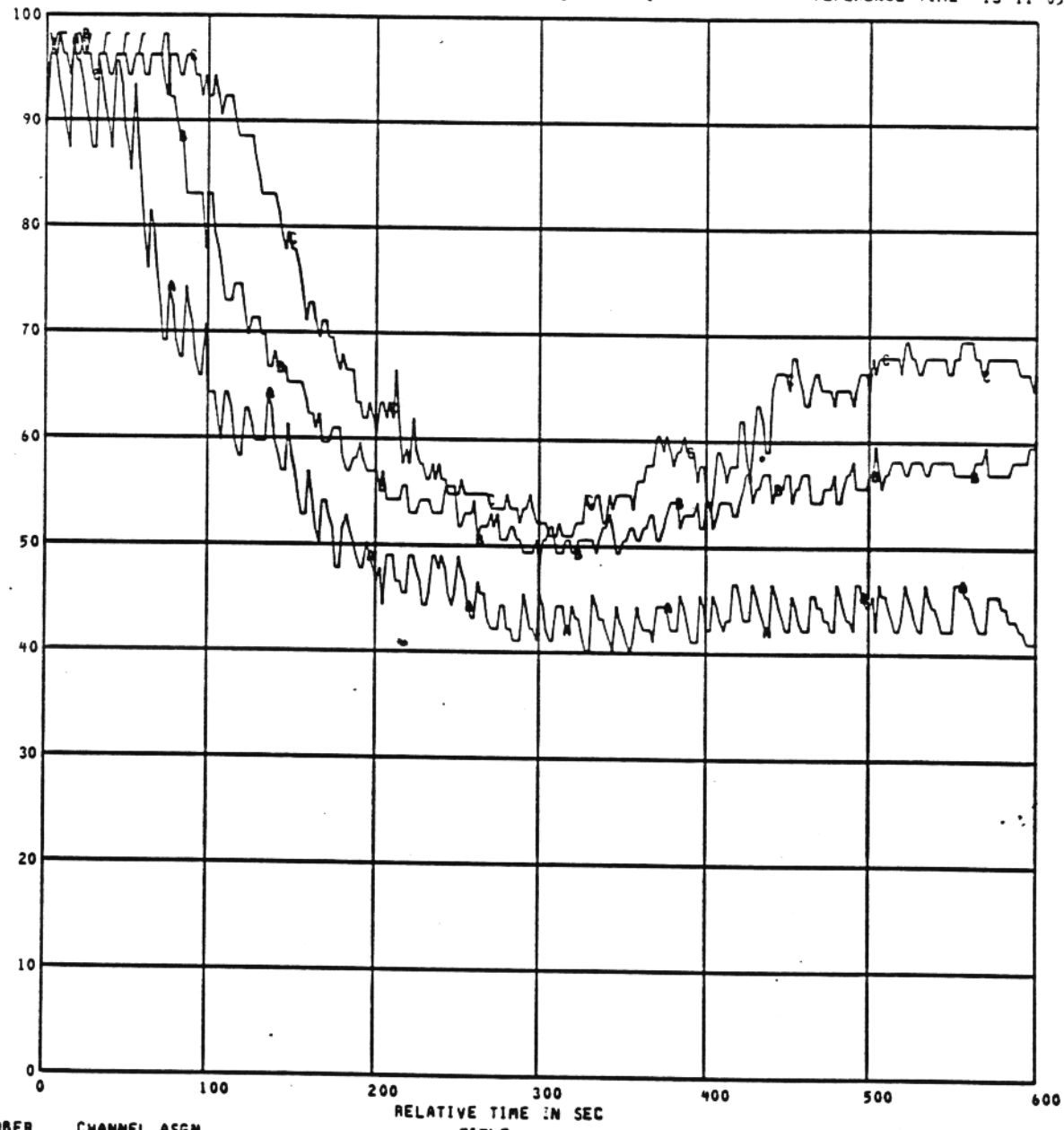
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 13 11 05.000



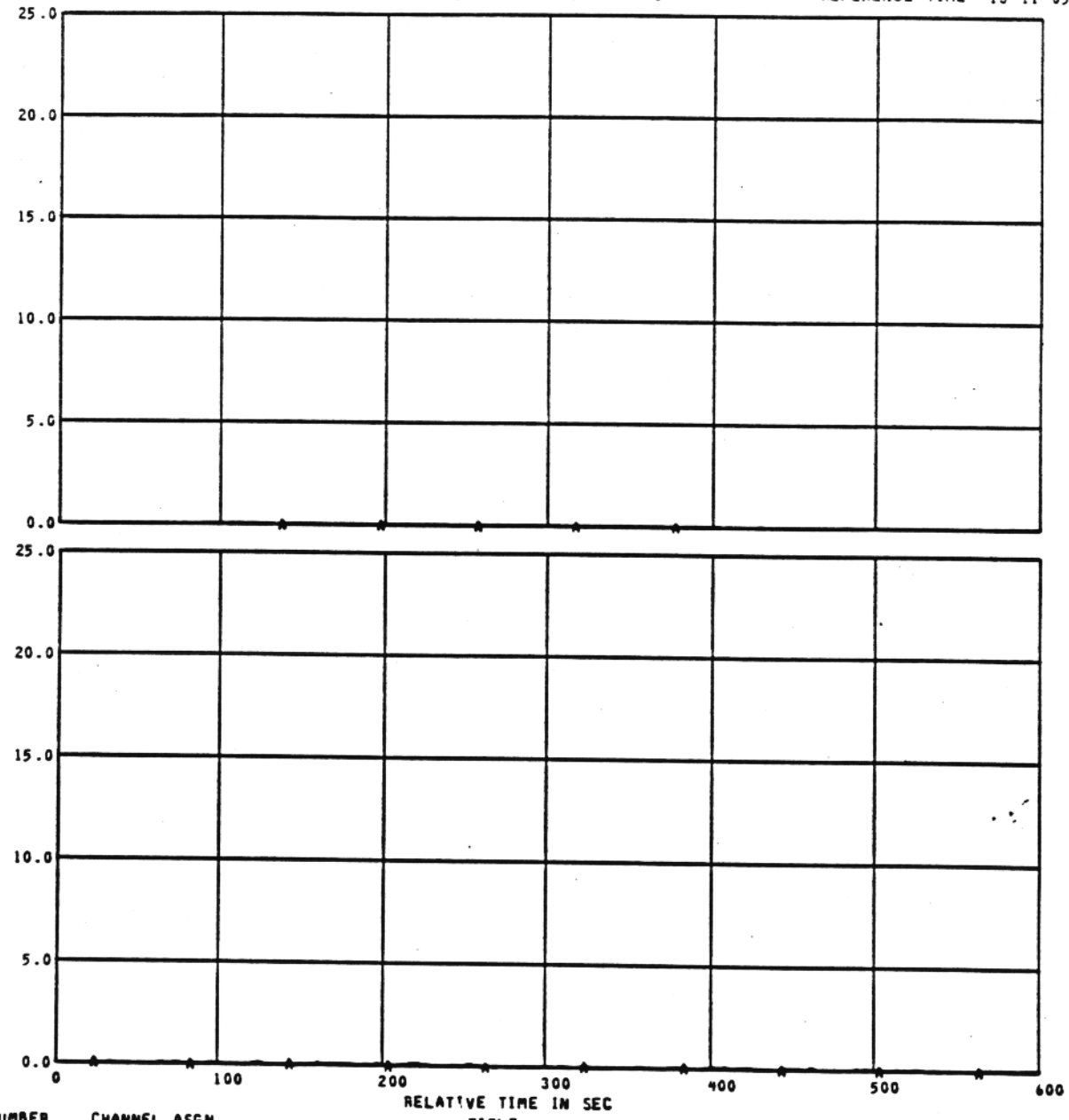
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 13 11 05.000



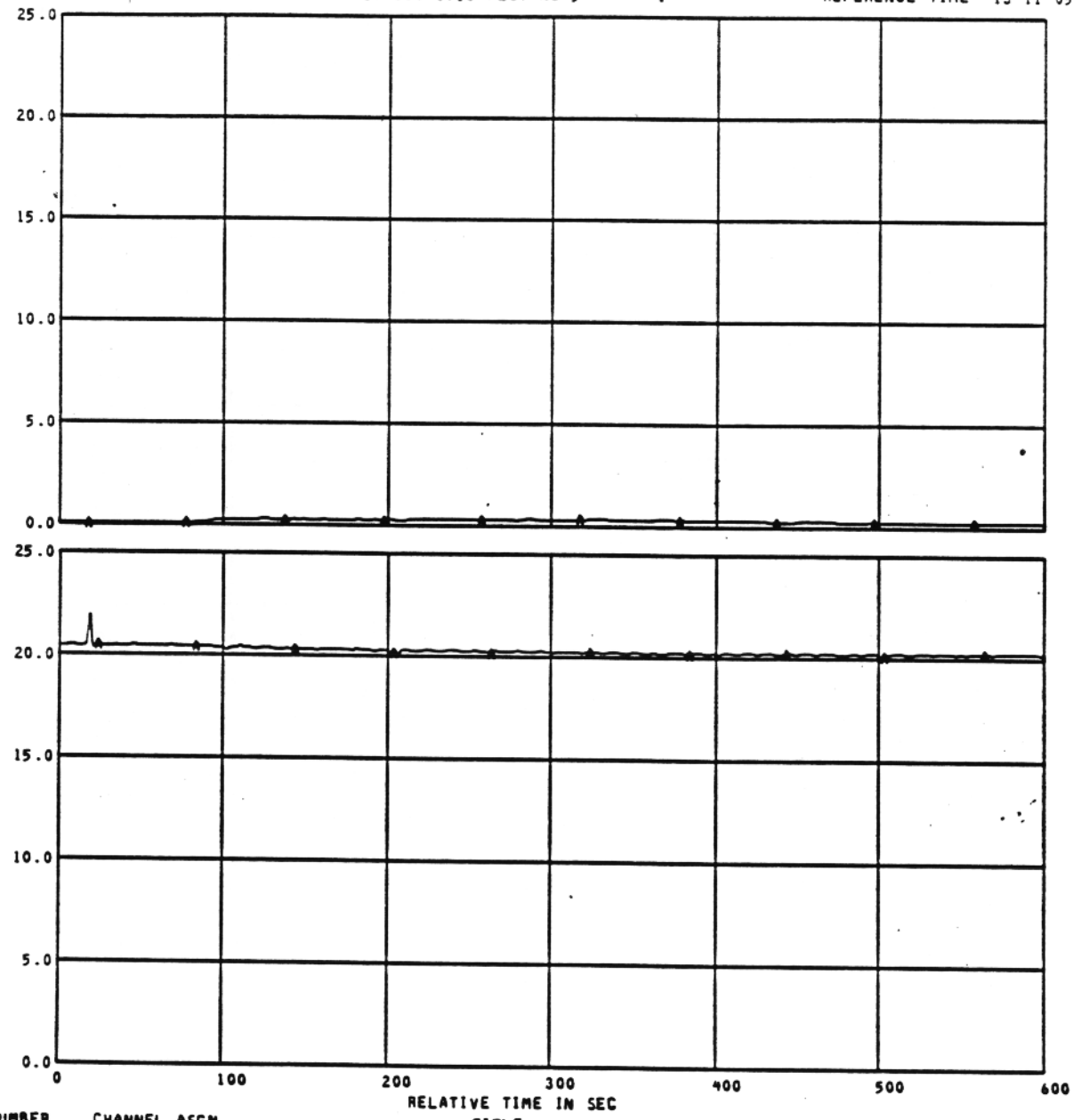
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 13 11 05.000



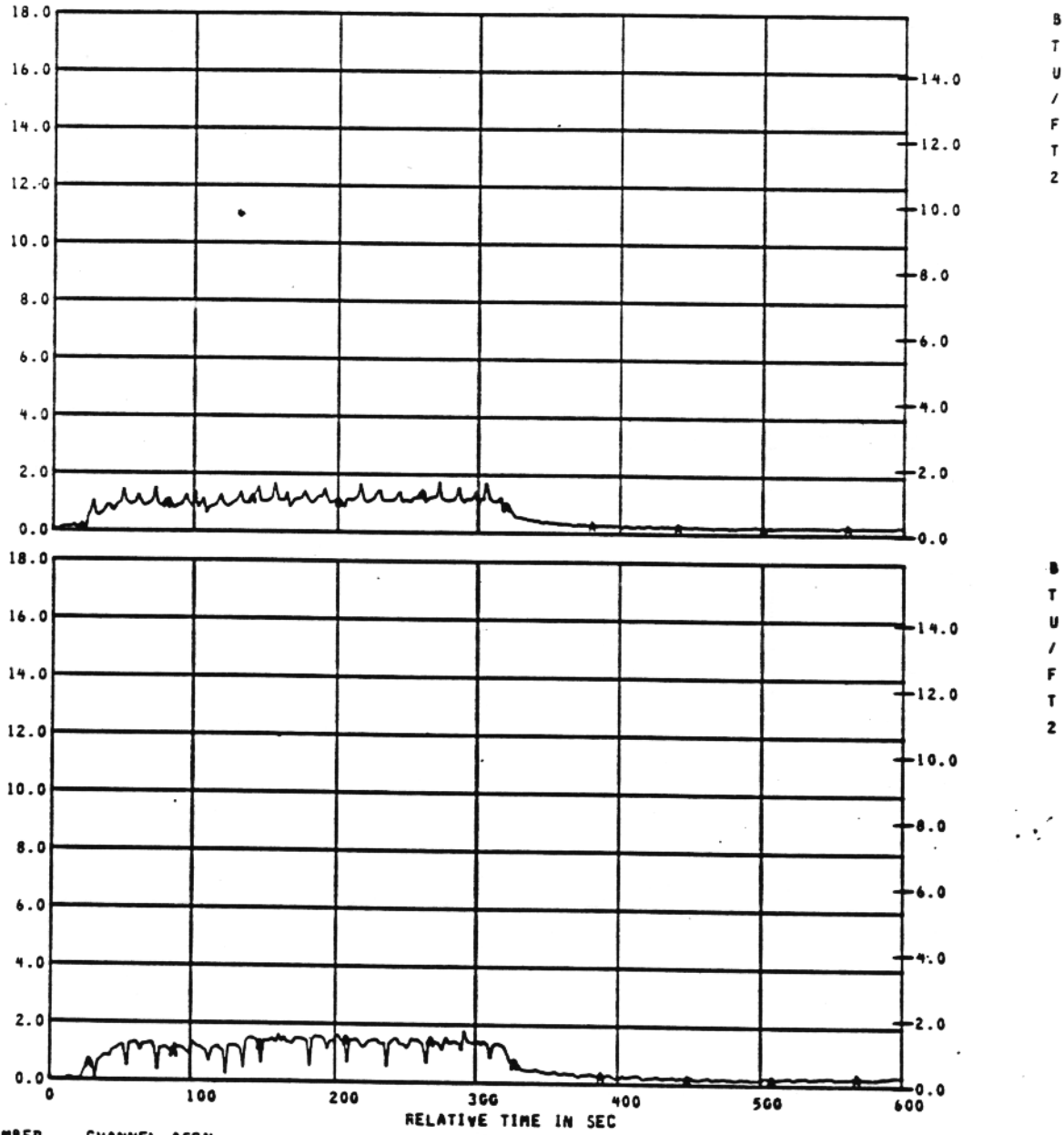
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 13 11 05.000



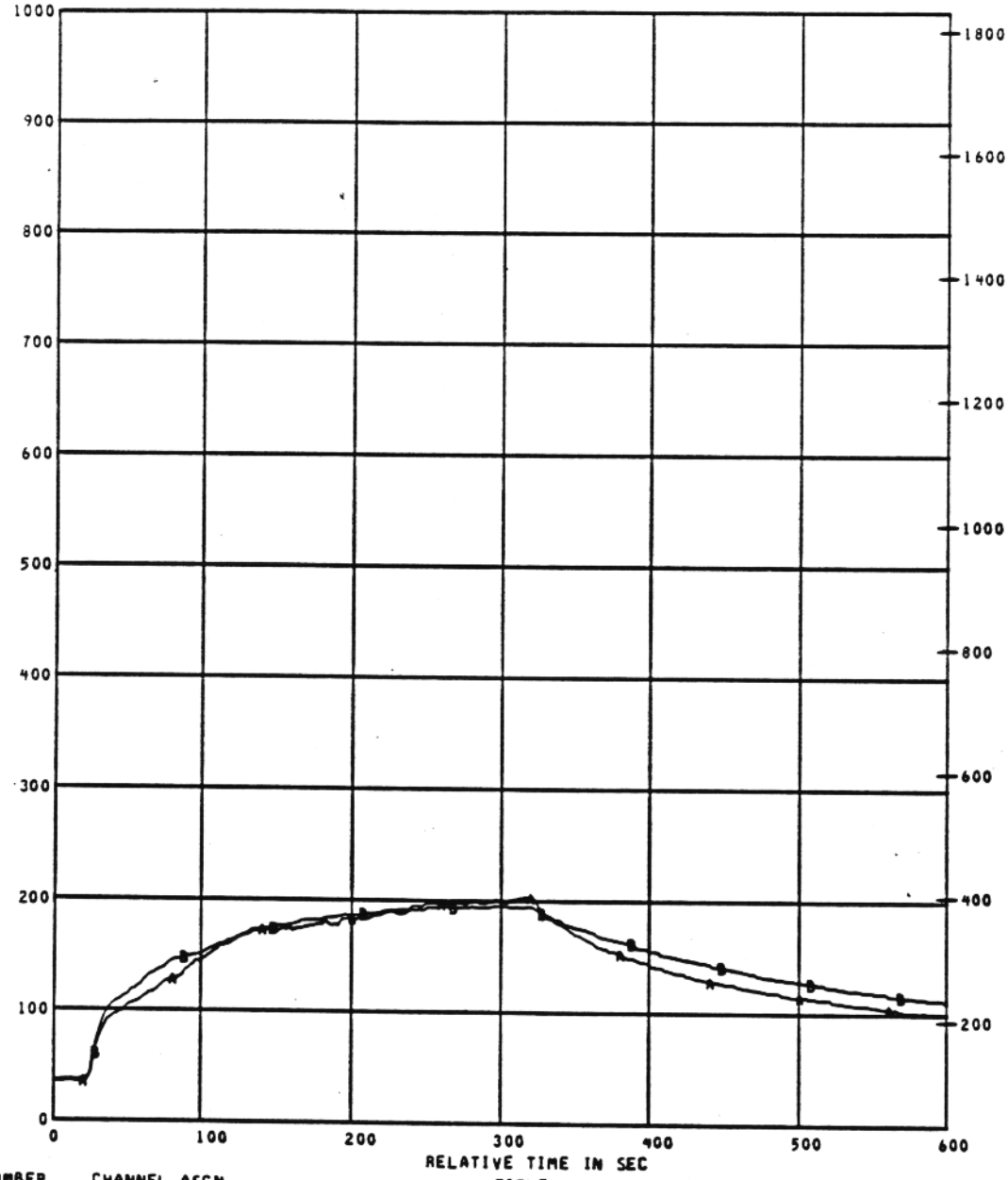
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA3 SEAT TST-OCT 1980 FLOT NO 6 - 1 REFERENCE TIME 13 11 05.000



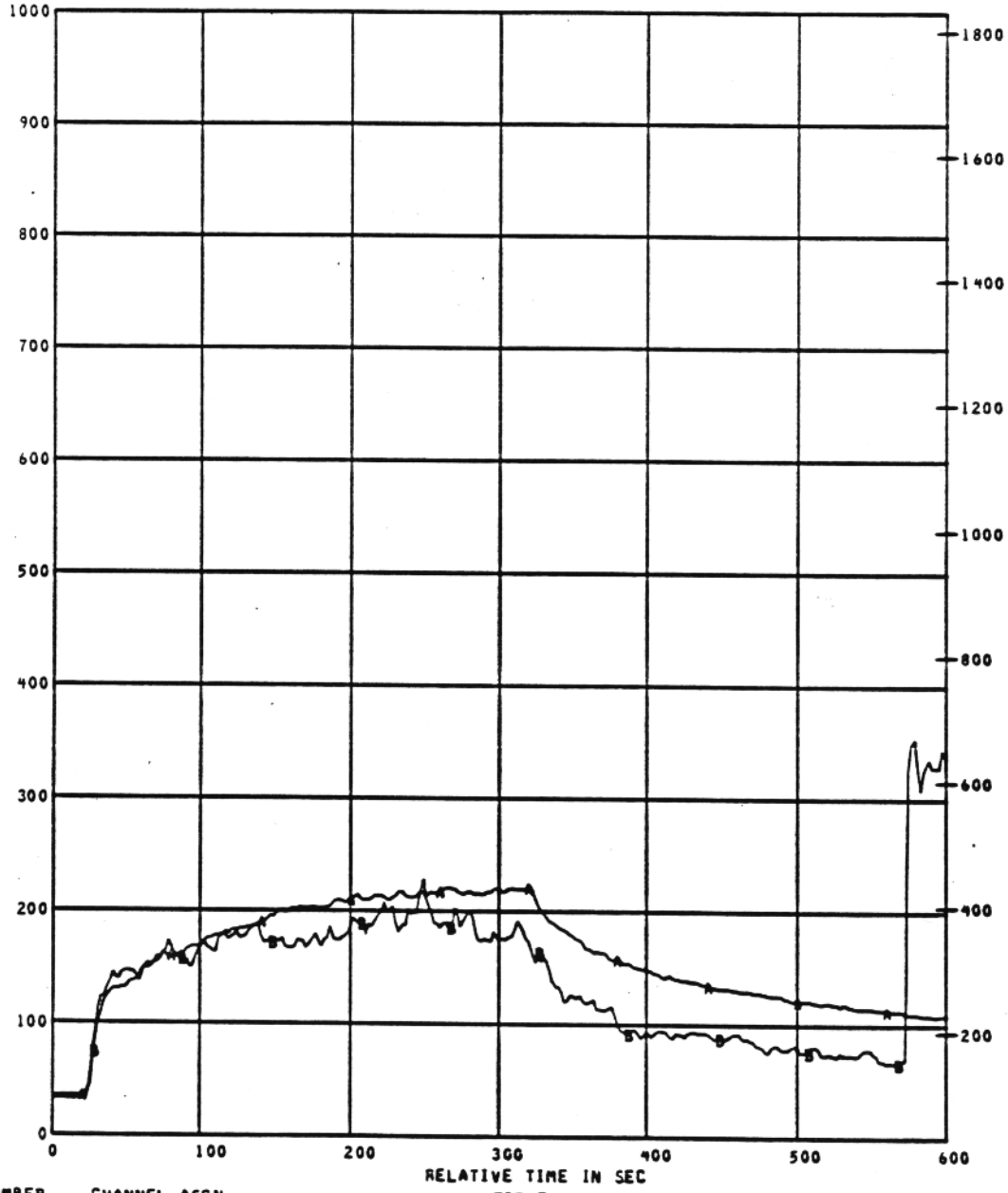
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 13 11 05.000



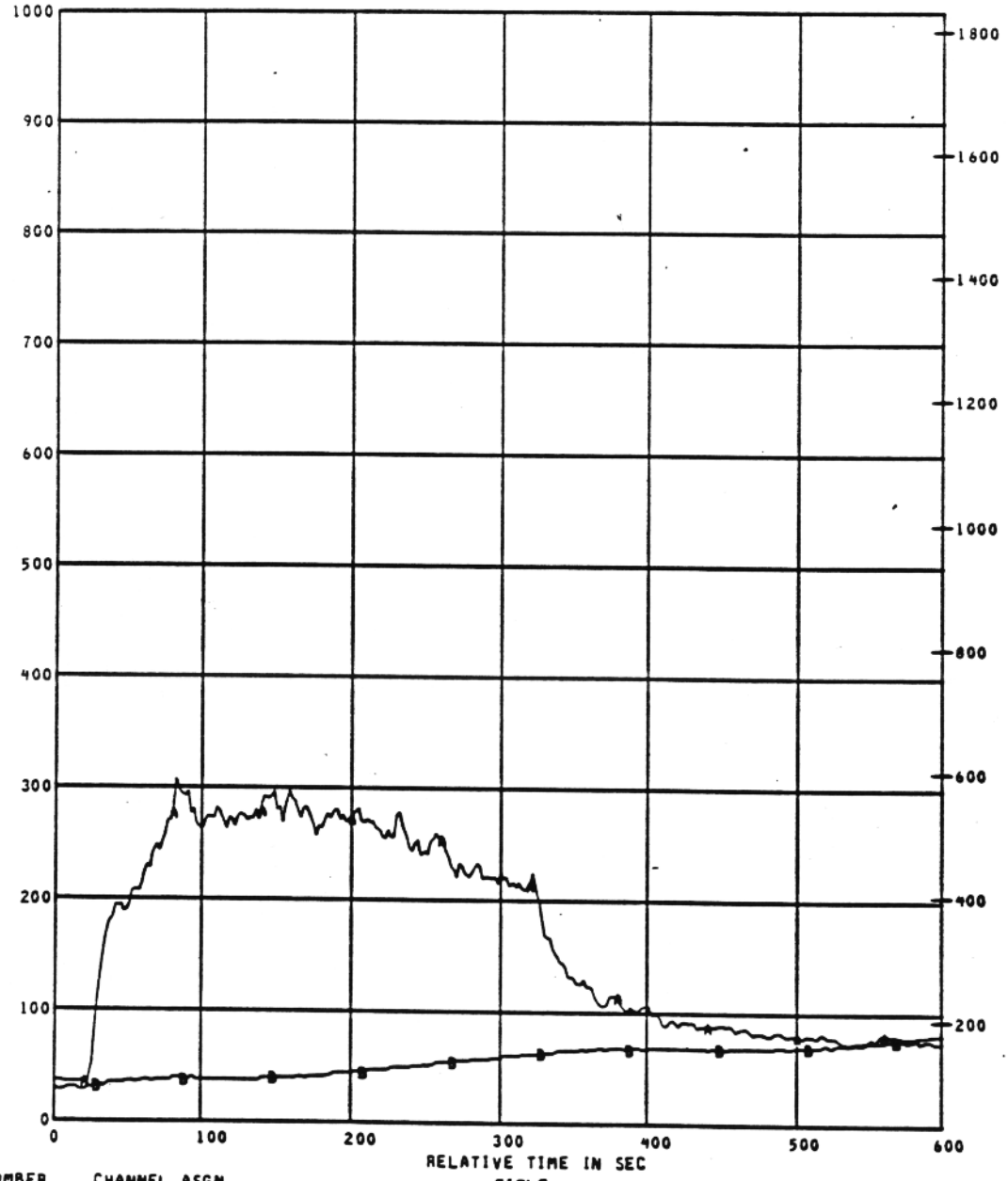
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 13 11 05.000



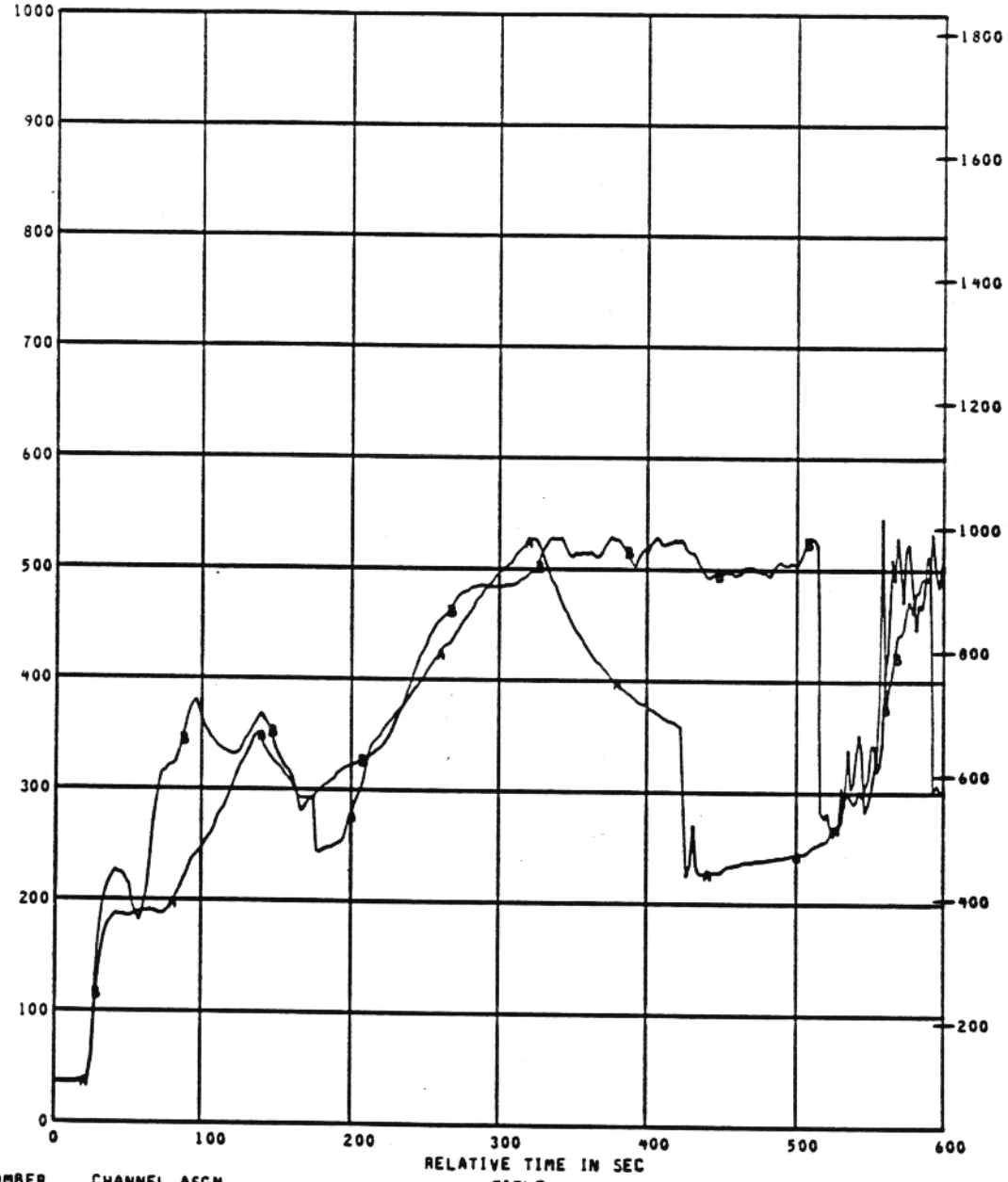
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 13 11 05.000



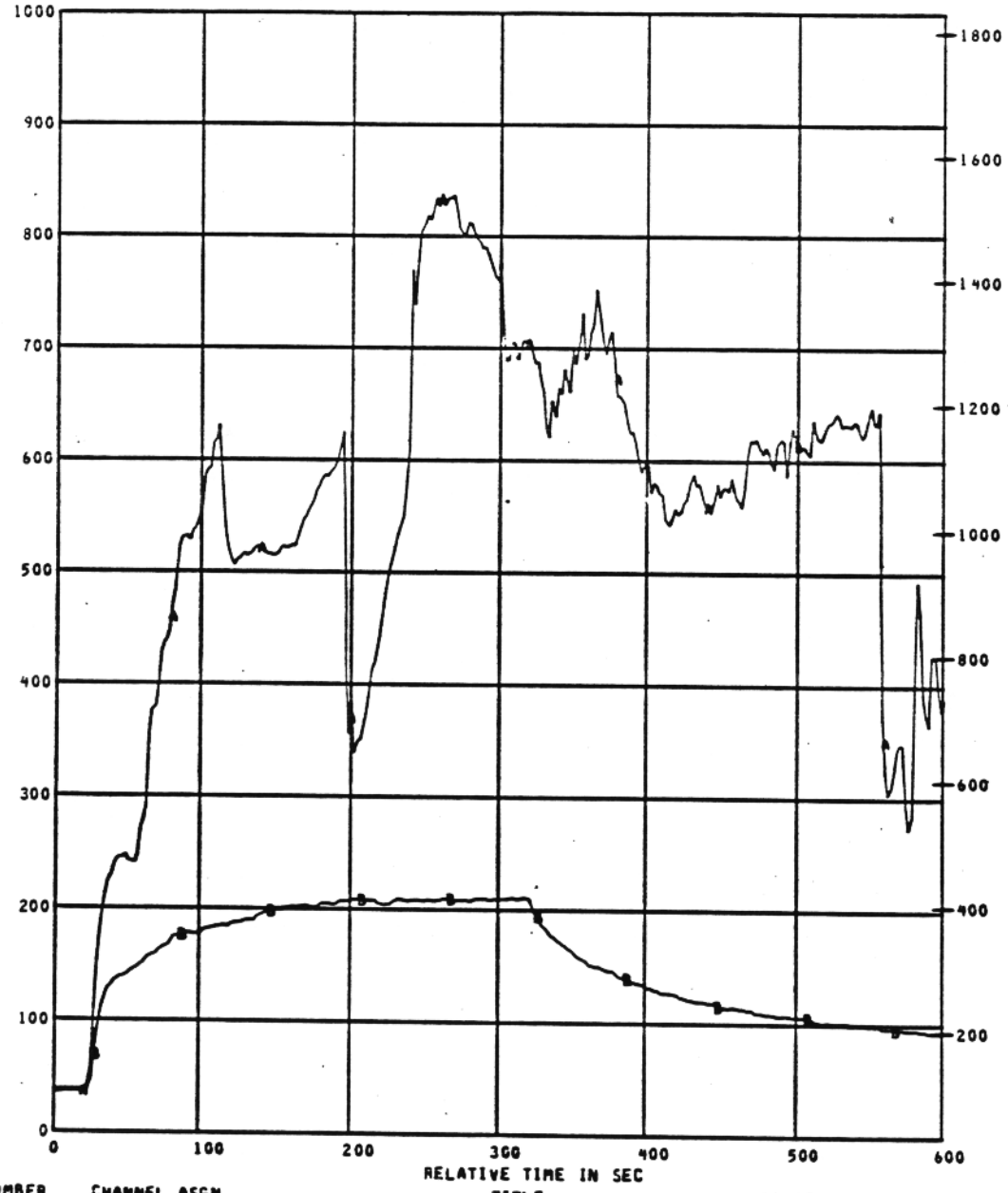
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 13 11 05.000



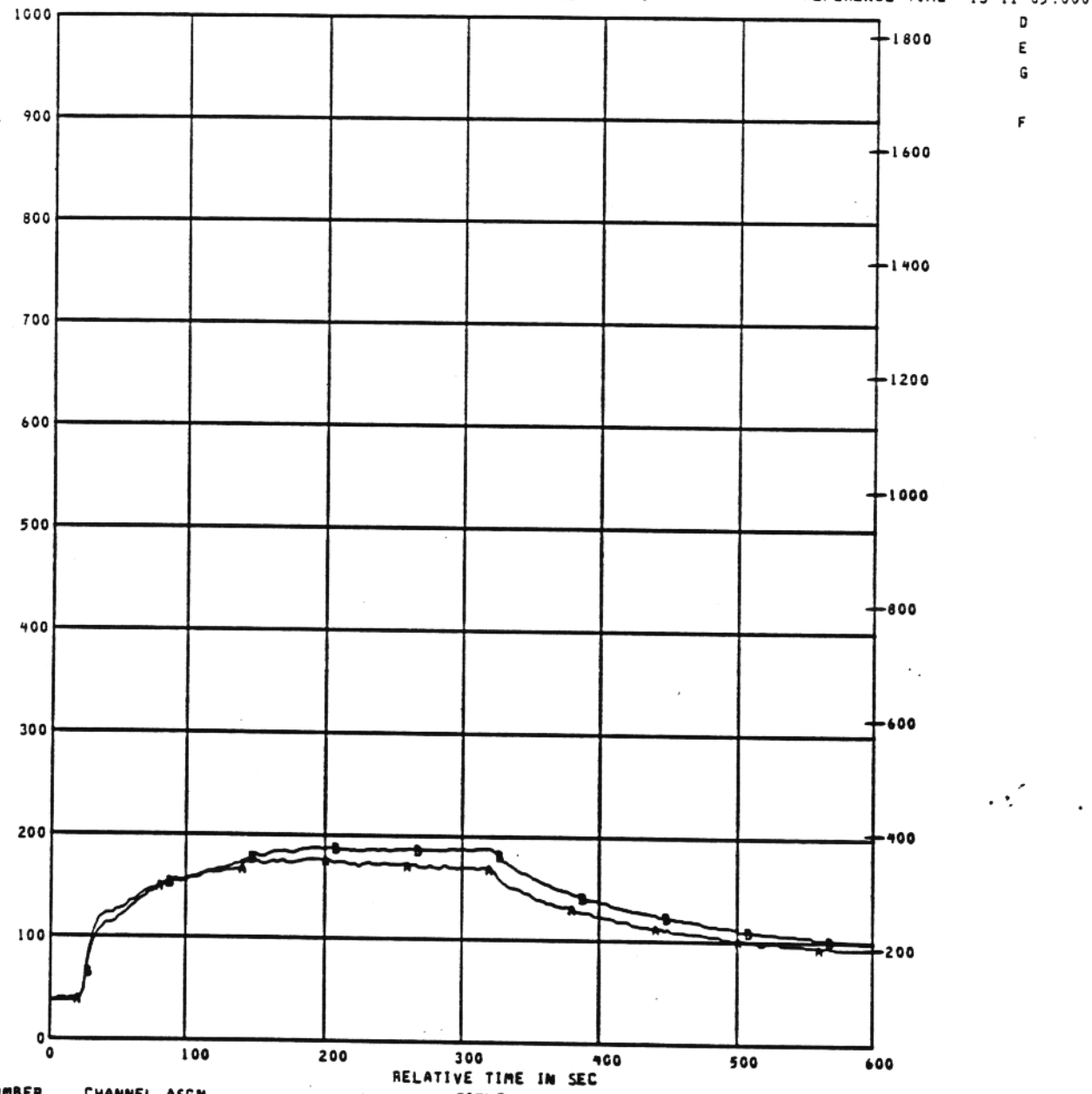
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 13 11 05.000



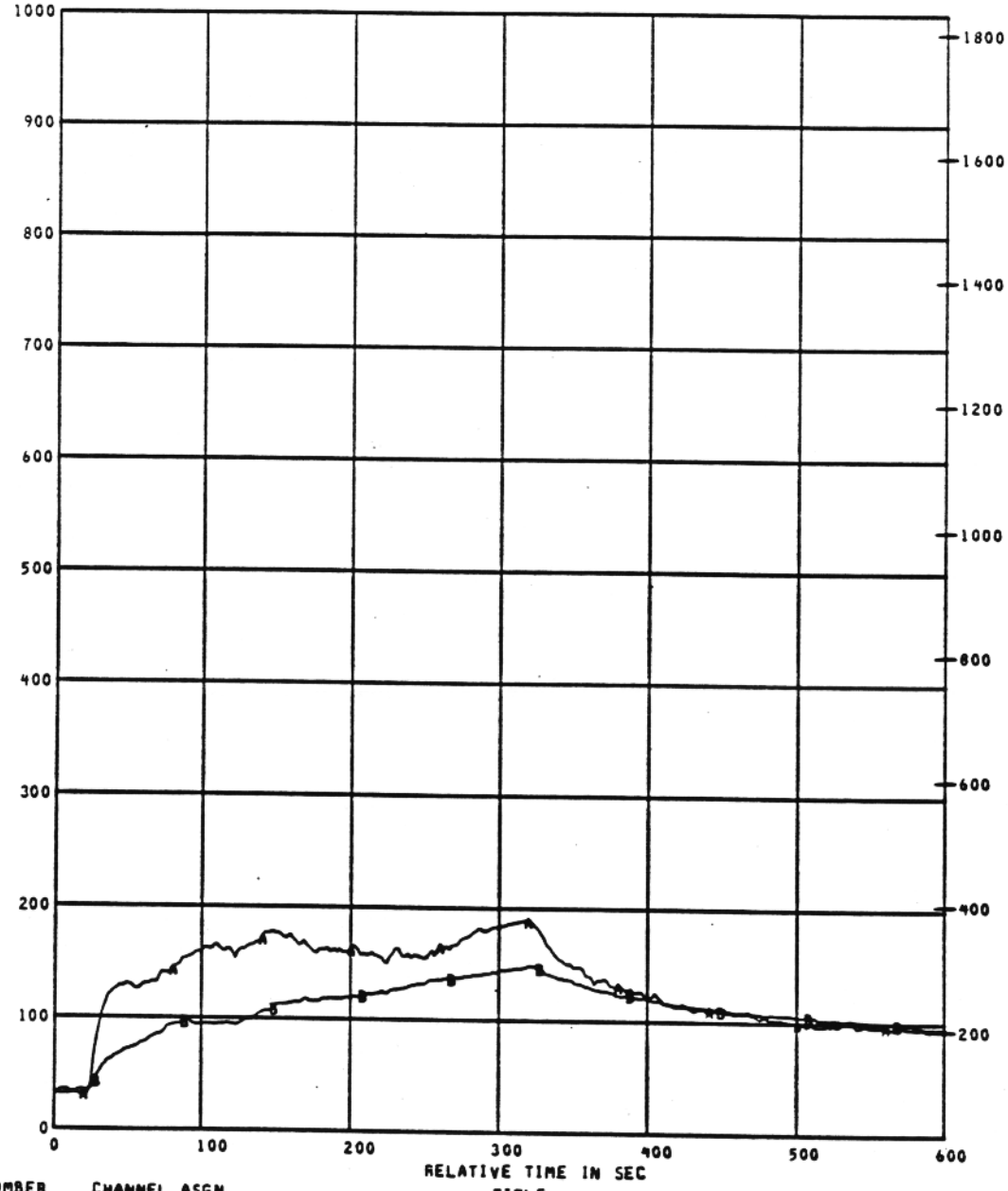
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 13 11 05.000



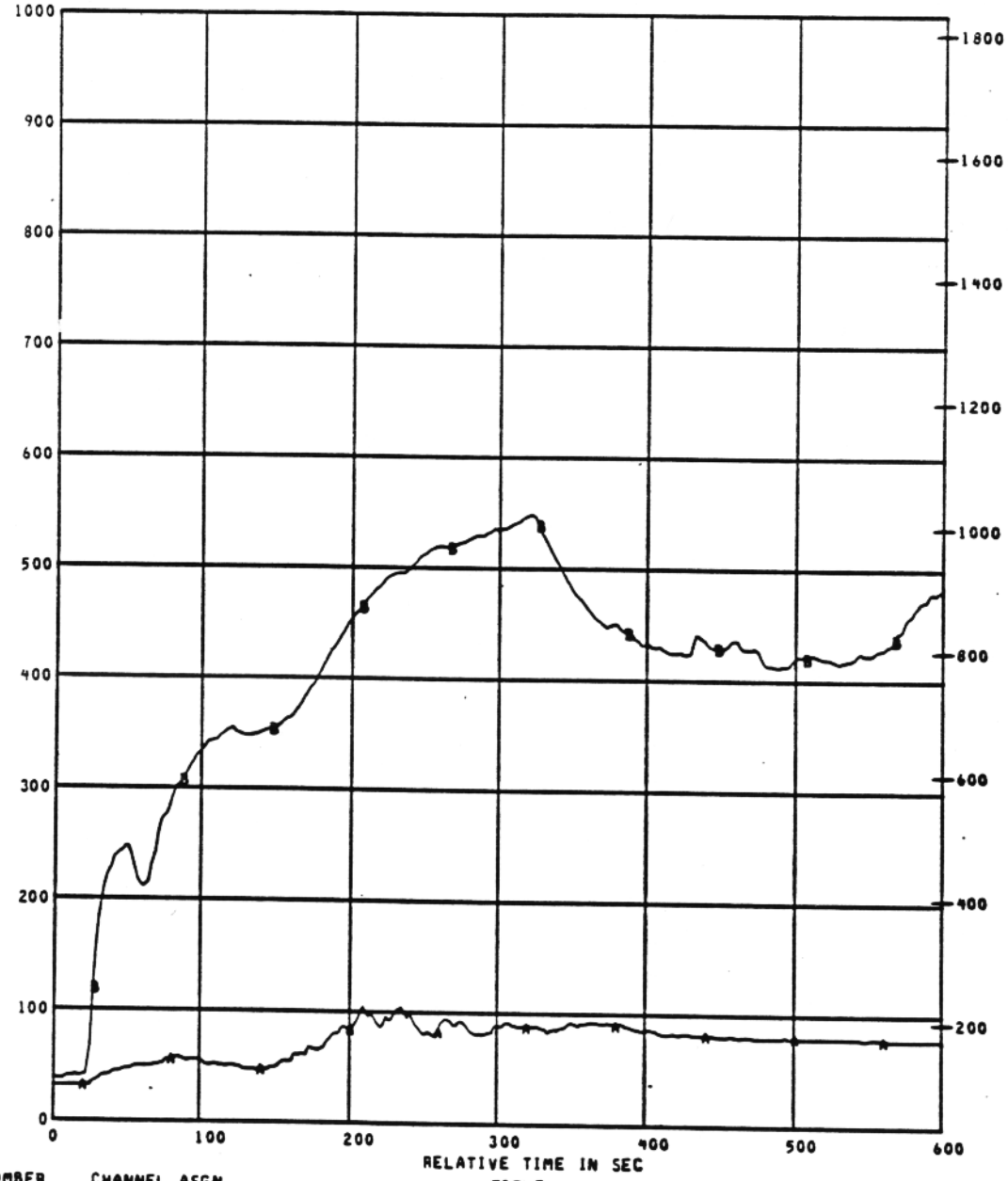
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 13 11 05.000



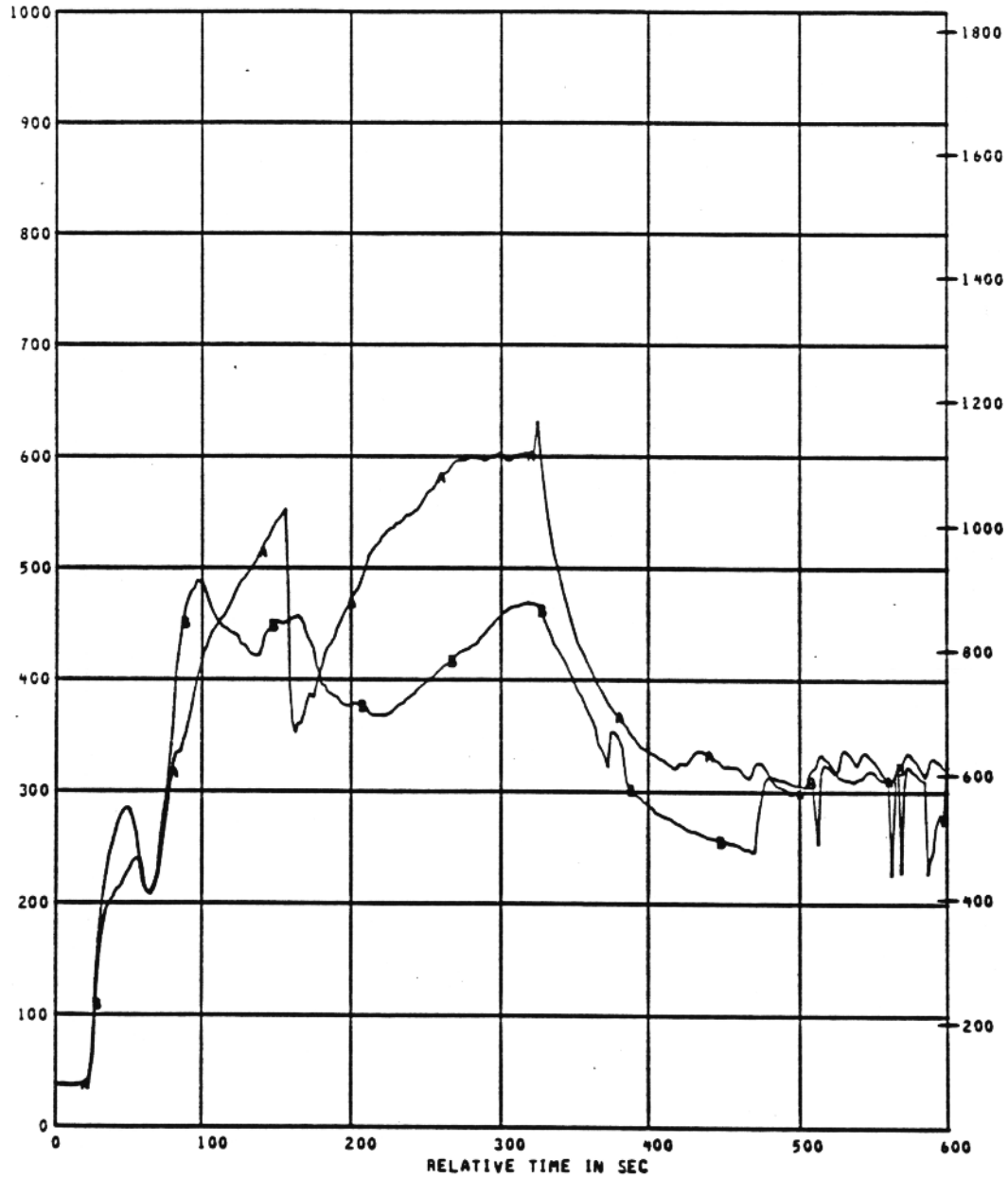
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 13 11 05.000



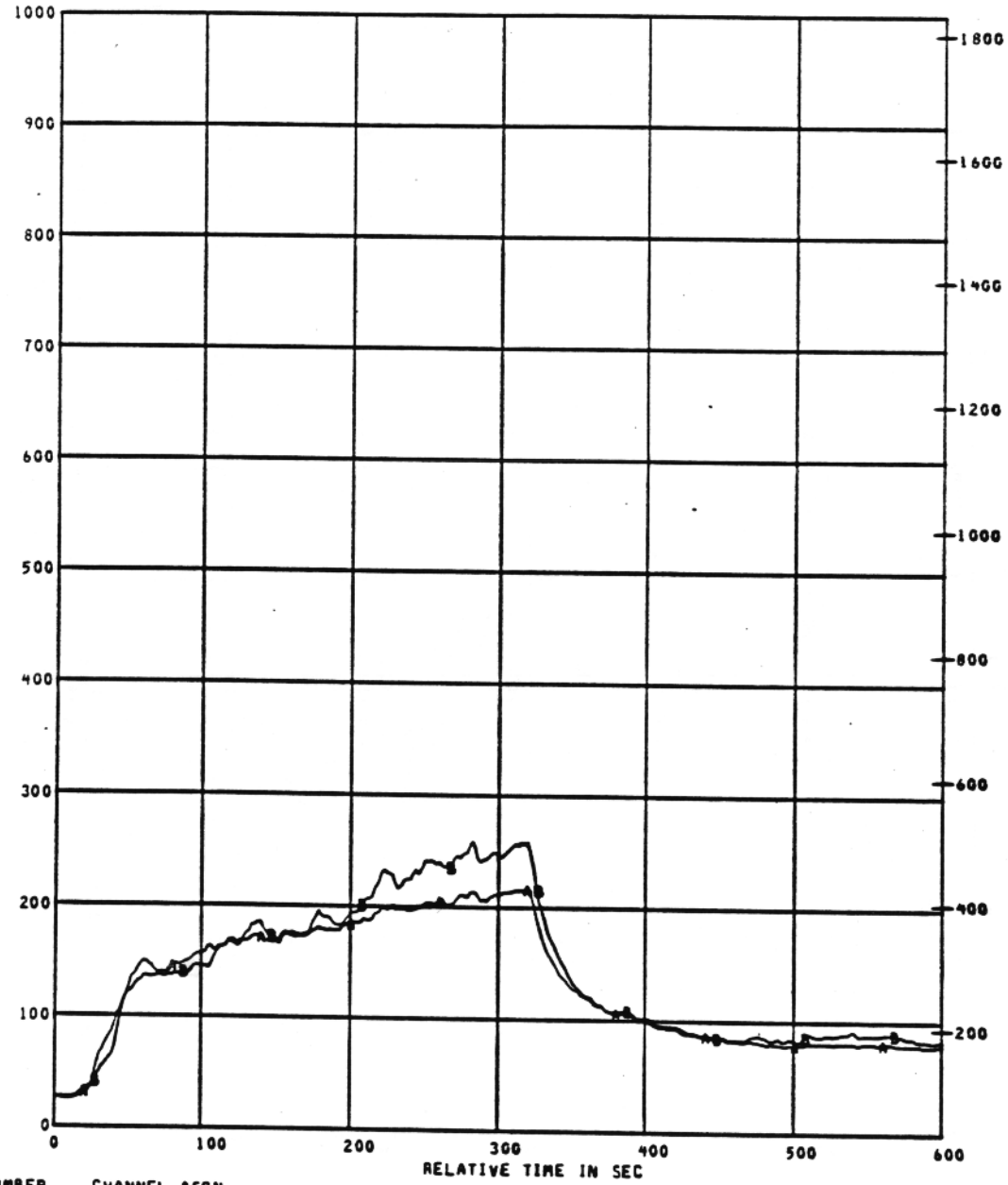
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 13 11 05.000



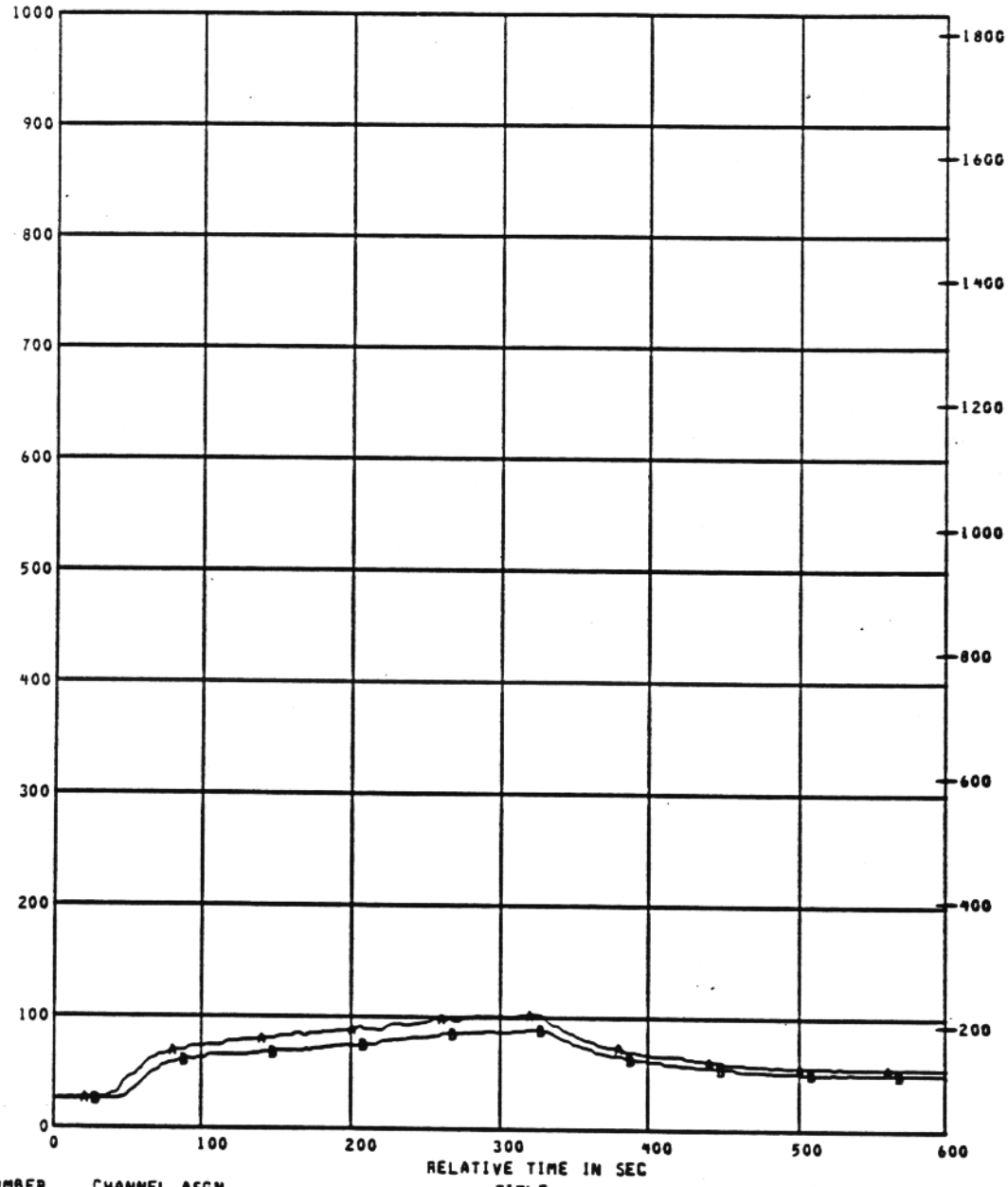
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 13 11 05.000



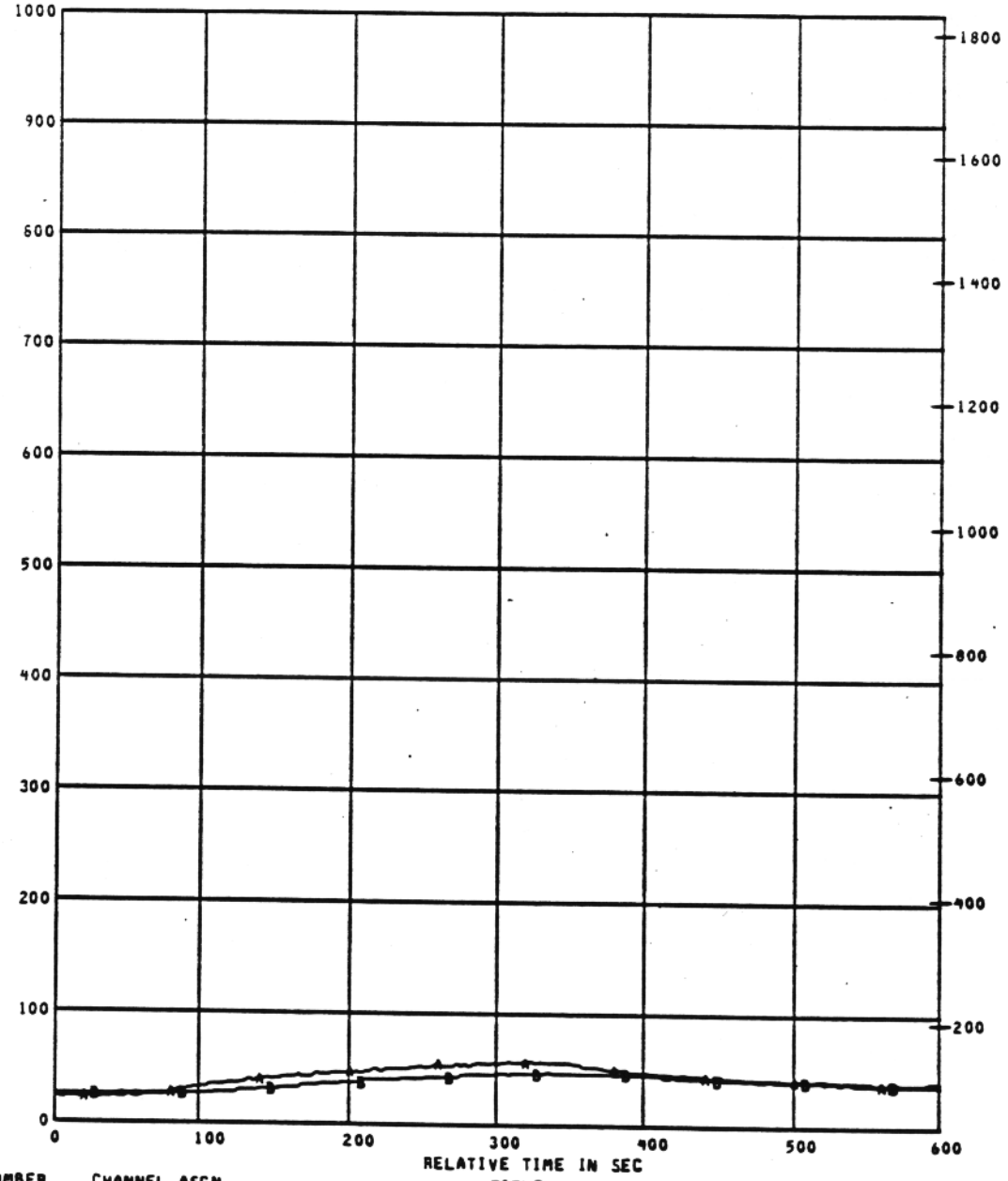
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 13 11 05.000

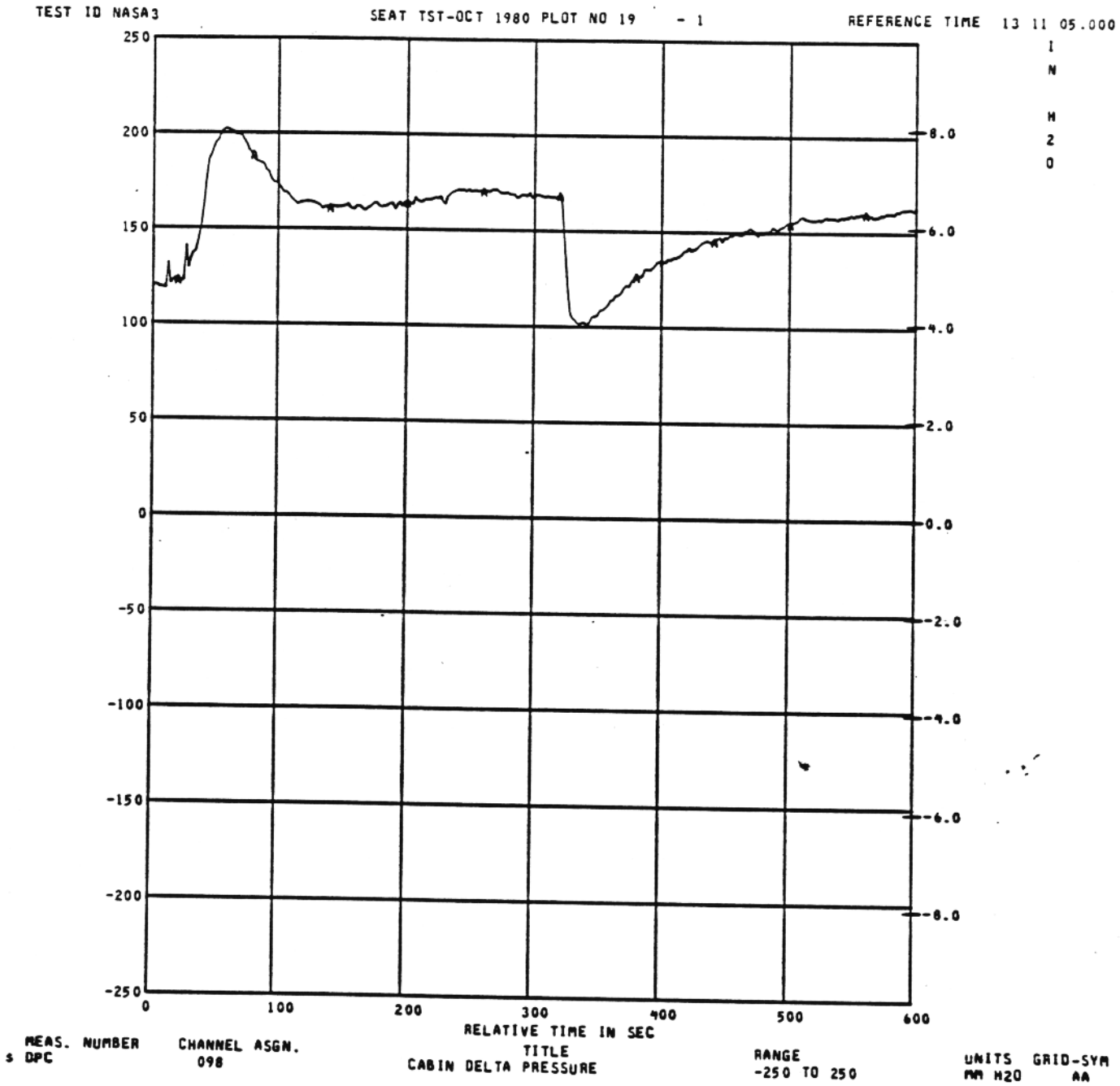


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

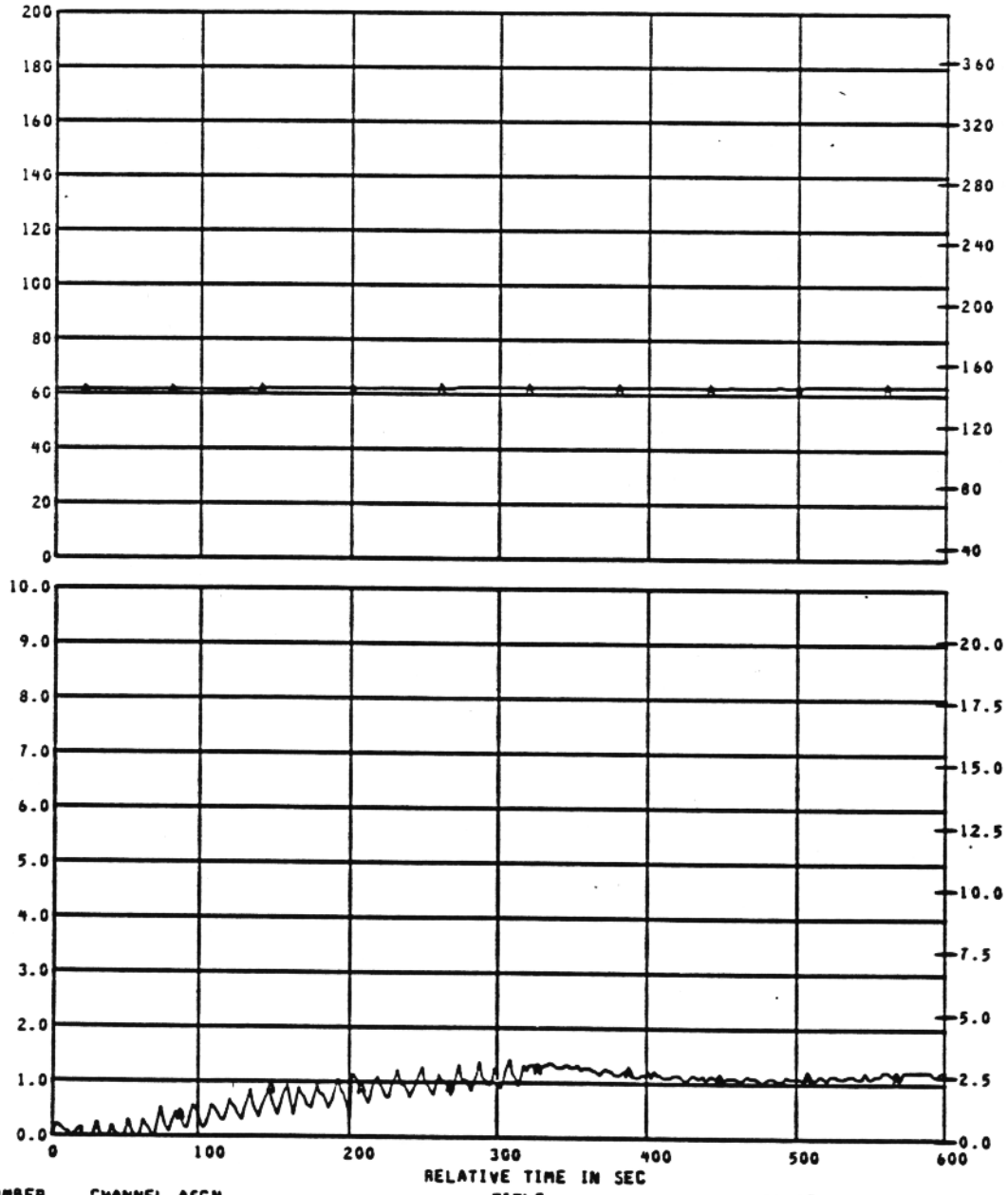
TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 13 11 05.000



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

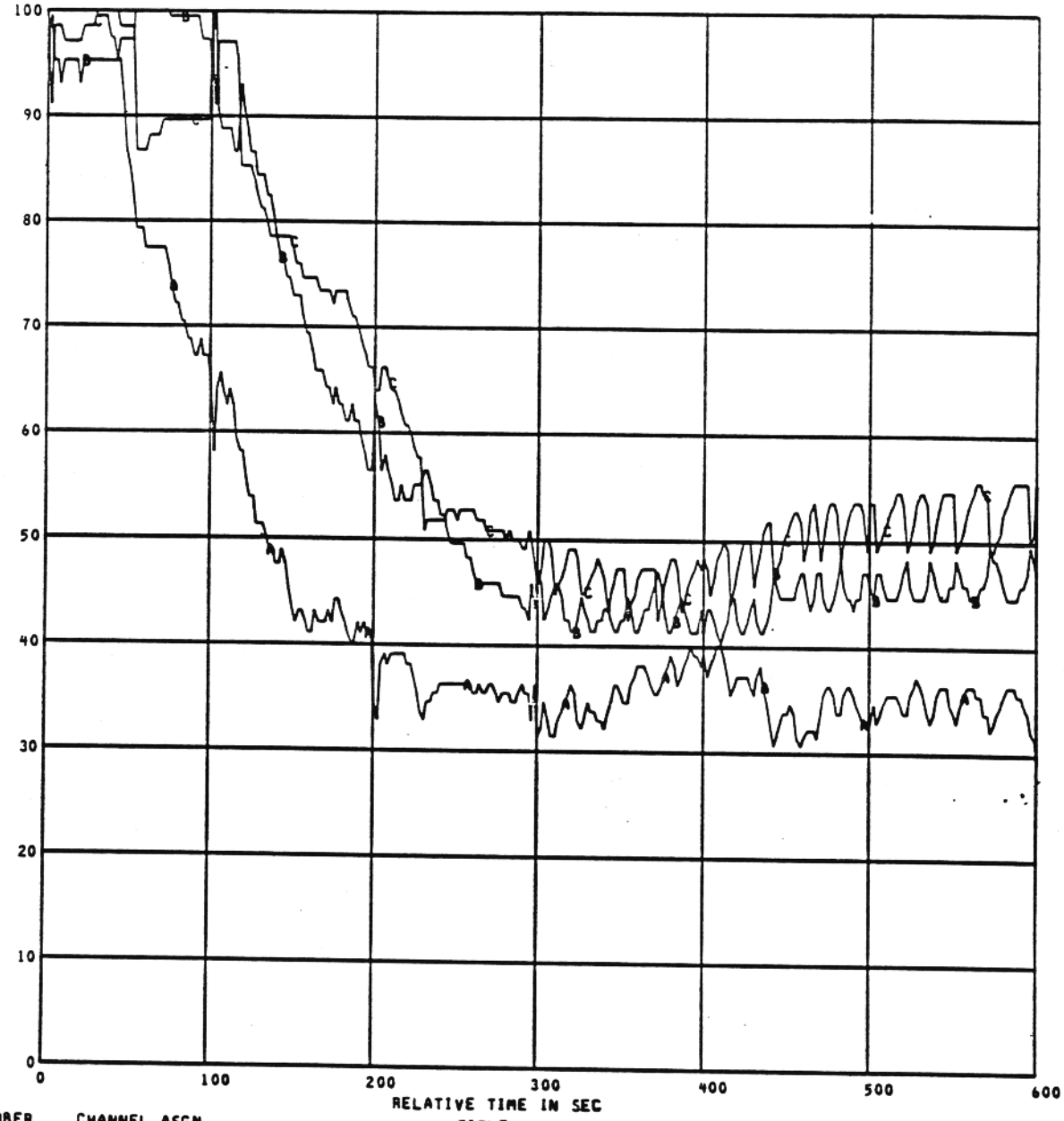

TEST ID NASA3
SEAT TST-OCT 1980 PLOT NO 19 - 1
REFERENCE TIME 13 11 05.000
IN H2O
250
200
150
100
50
0
-50
-100
-150
-200
-250
8.0
6.0
4.0
2.0
0.0
-2.0
-4.0
-6.0
-8.0
0
100
200
300
400
500
600
RELATIVE TIME IN SEC
MEAS. NUMBER
s DPC
CHANNEL ASGN.
098
TITLE
CABIN DELTA PRESSURE
RANGE
-250 TO 250
UNITS
MM H2O
GRID-SYM
AA

TEST ID NASA3 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 13 11 05.000



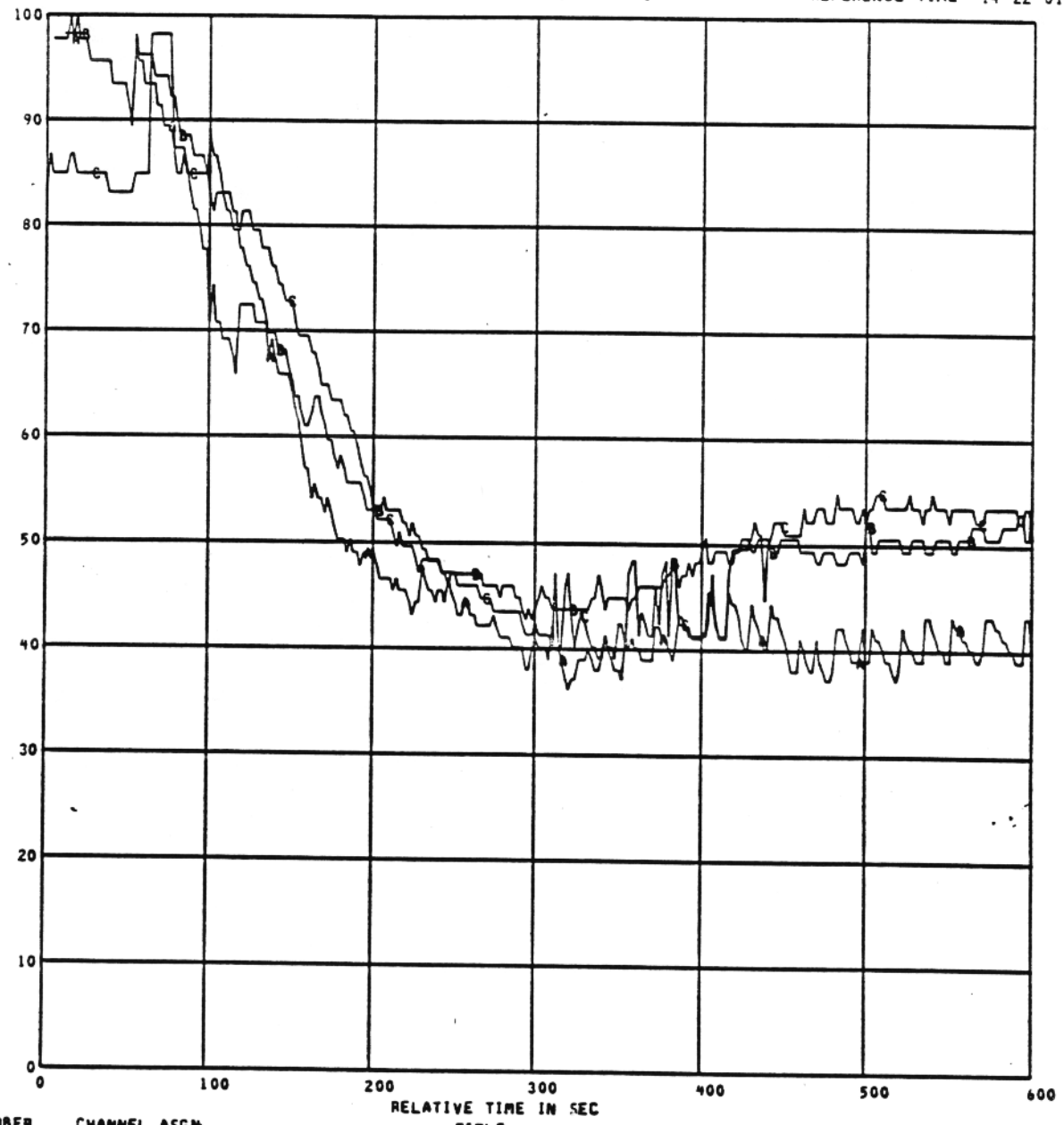
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 14 22 01.000



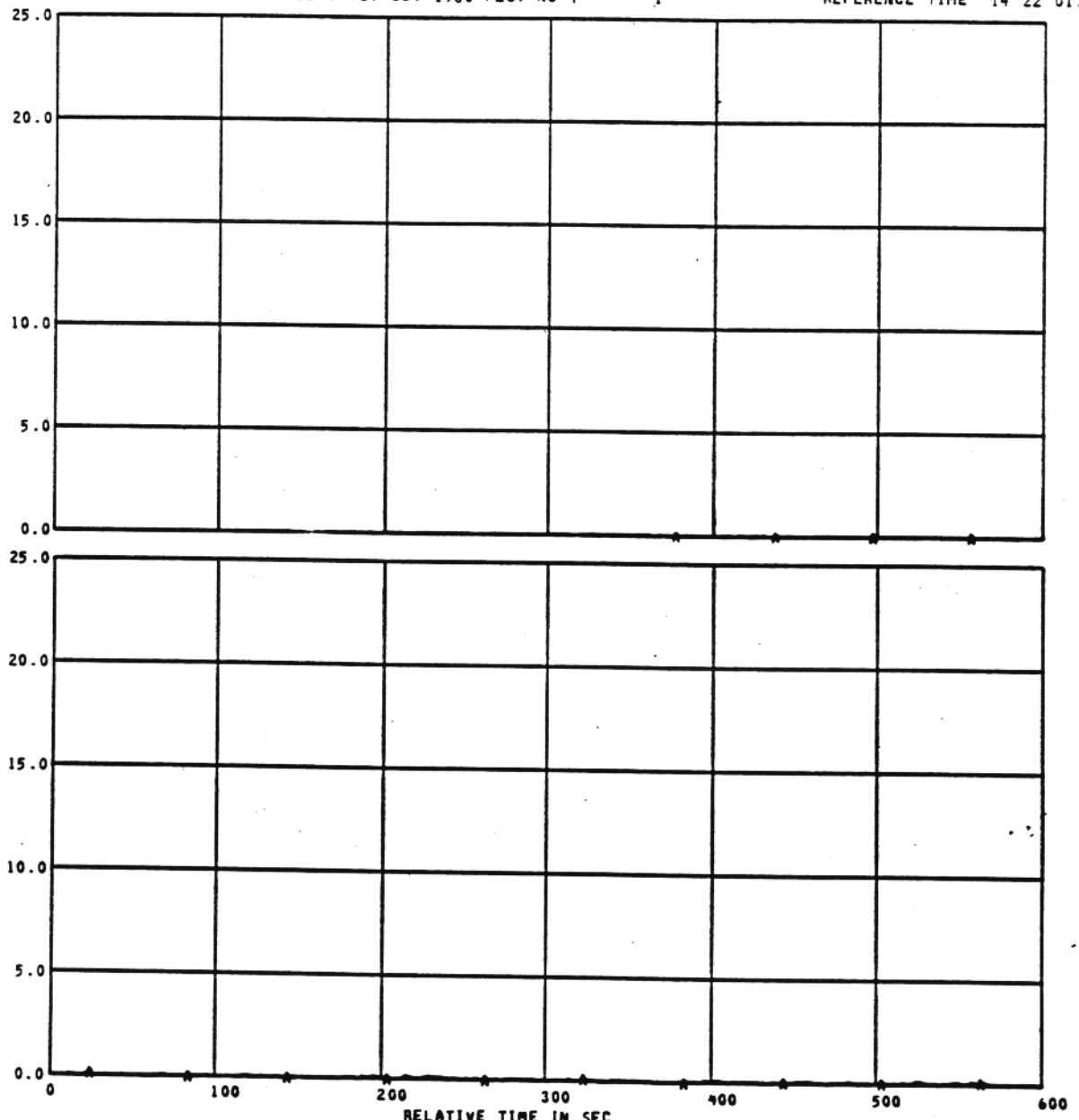
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 14 22 01.000



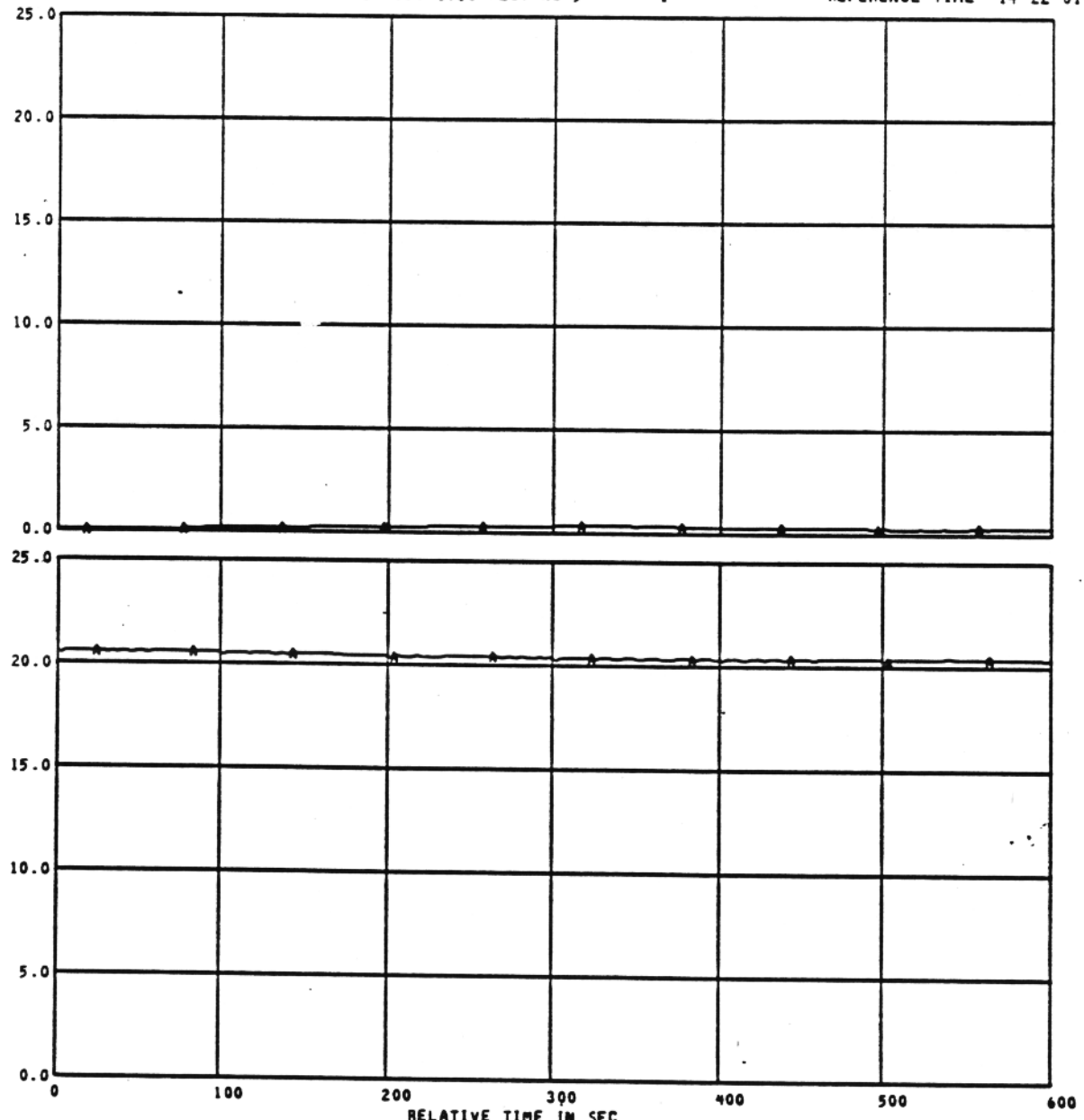
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 14 22 01.000



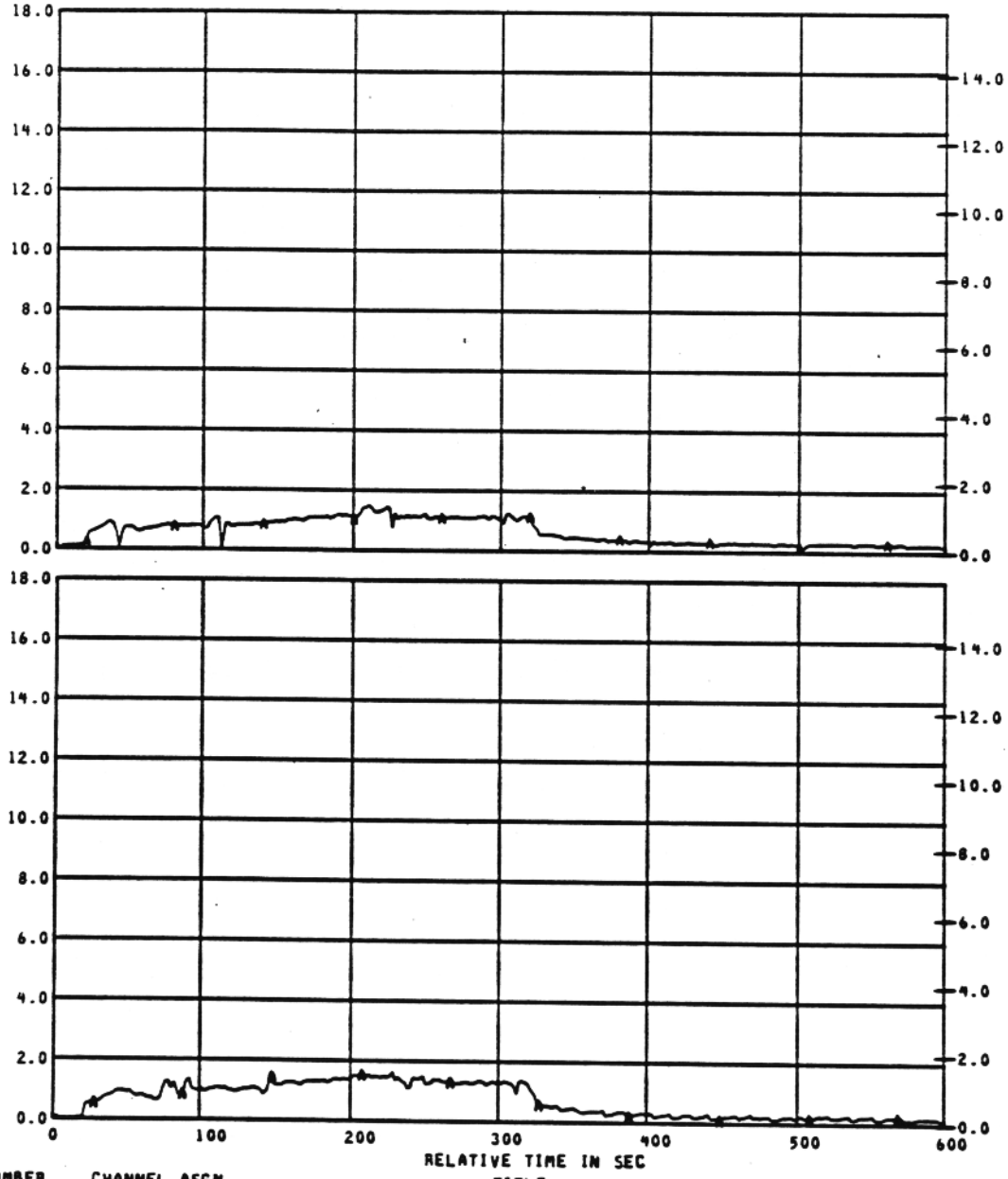
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 14 22 01.000



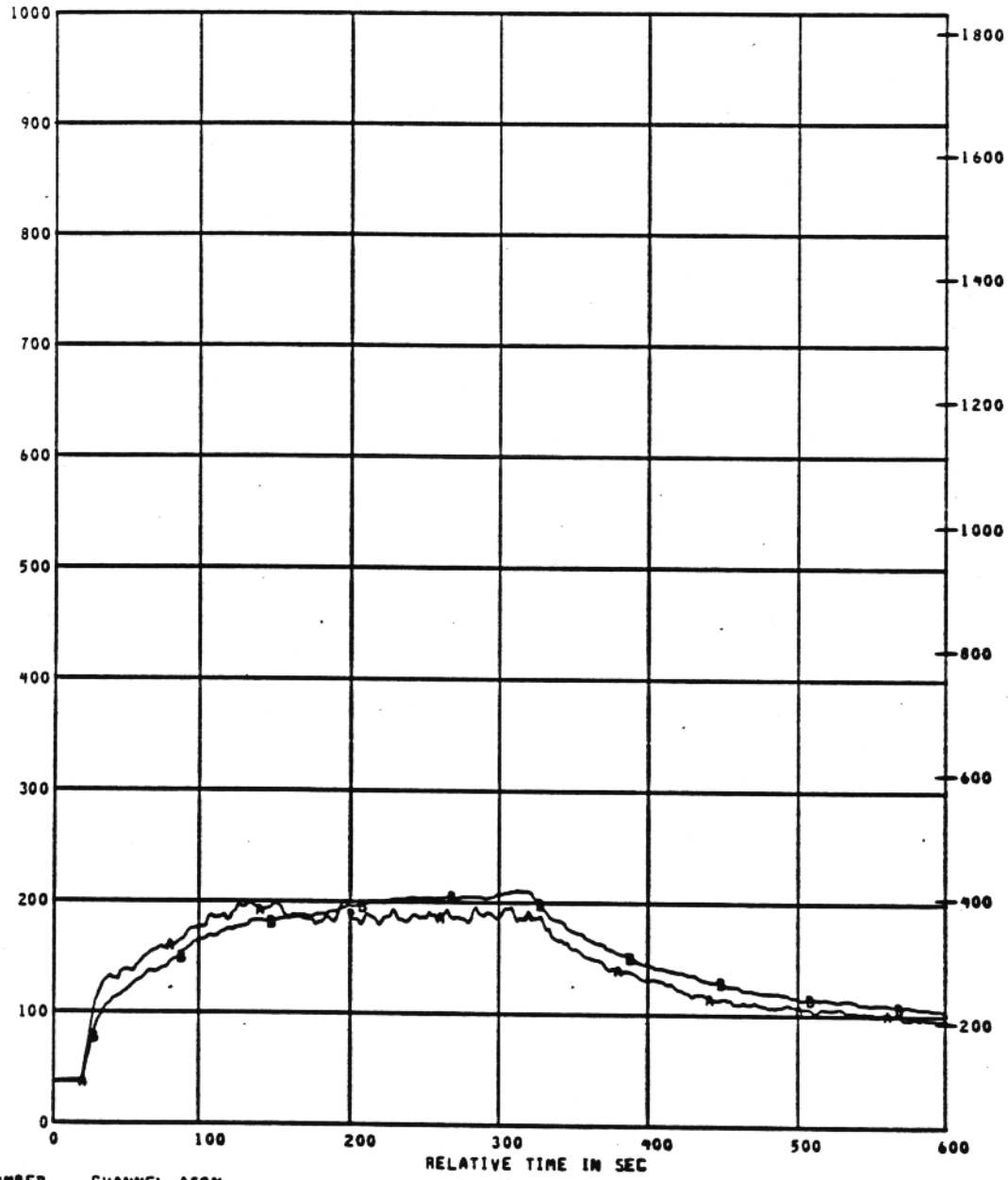
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 14 22 01.000



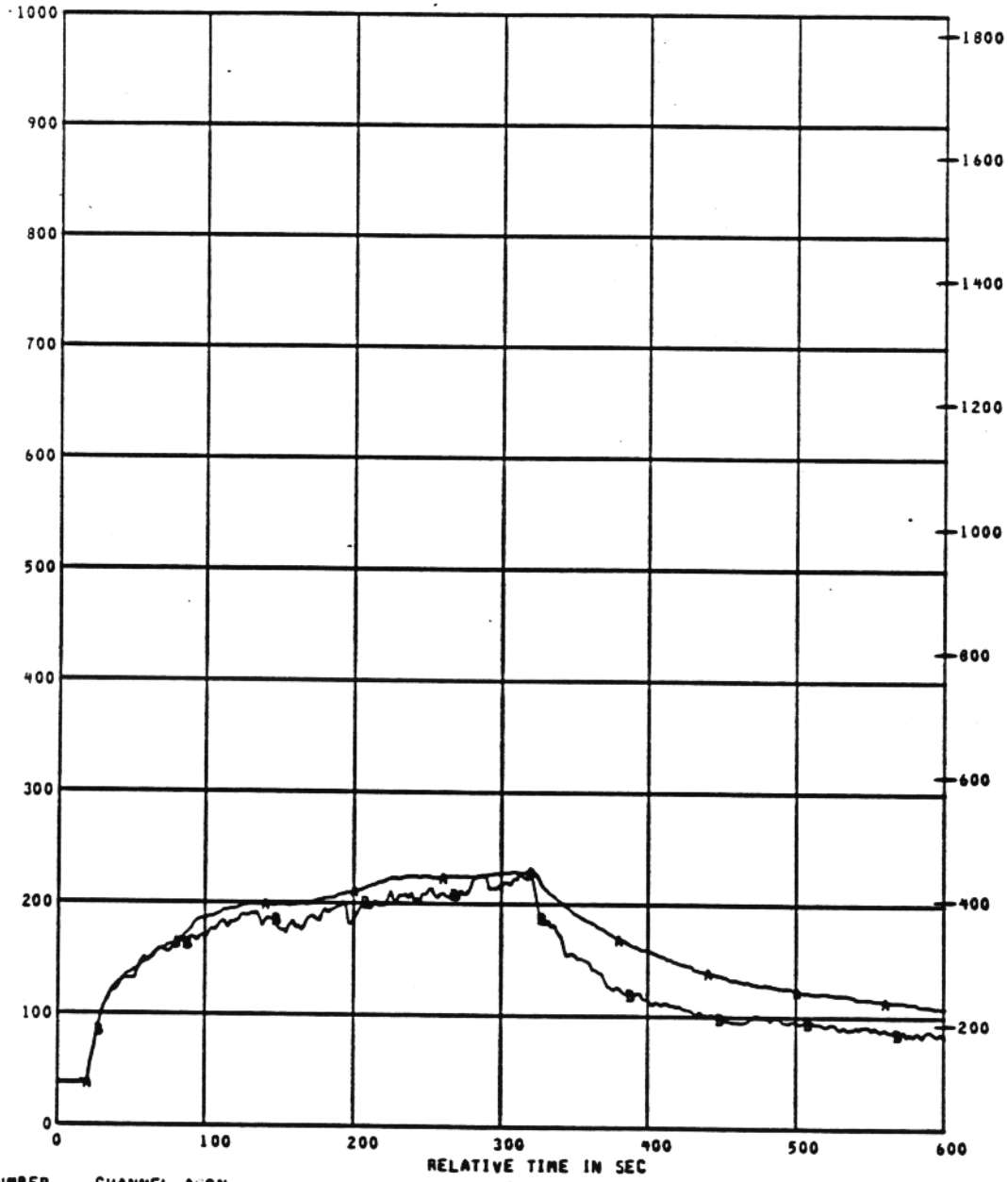
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 14 22 01.000



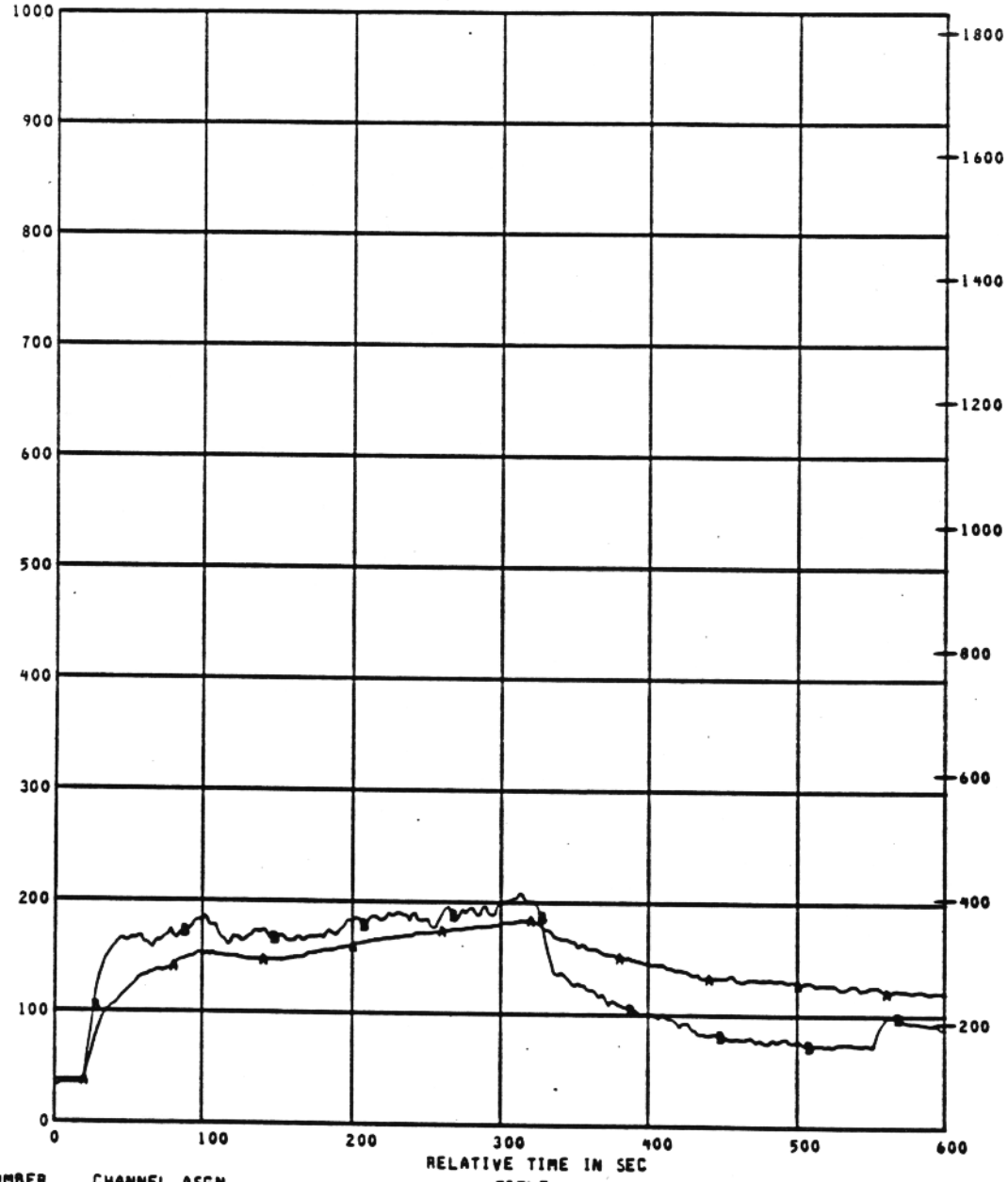
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 14 22 01.000



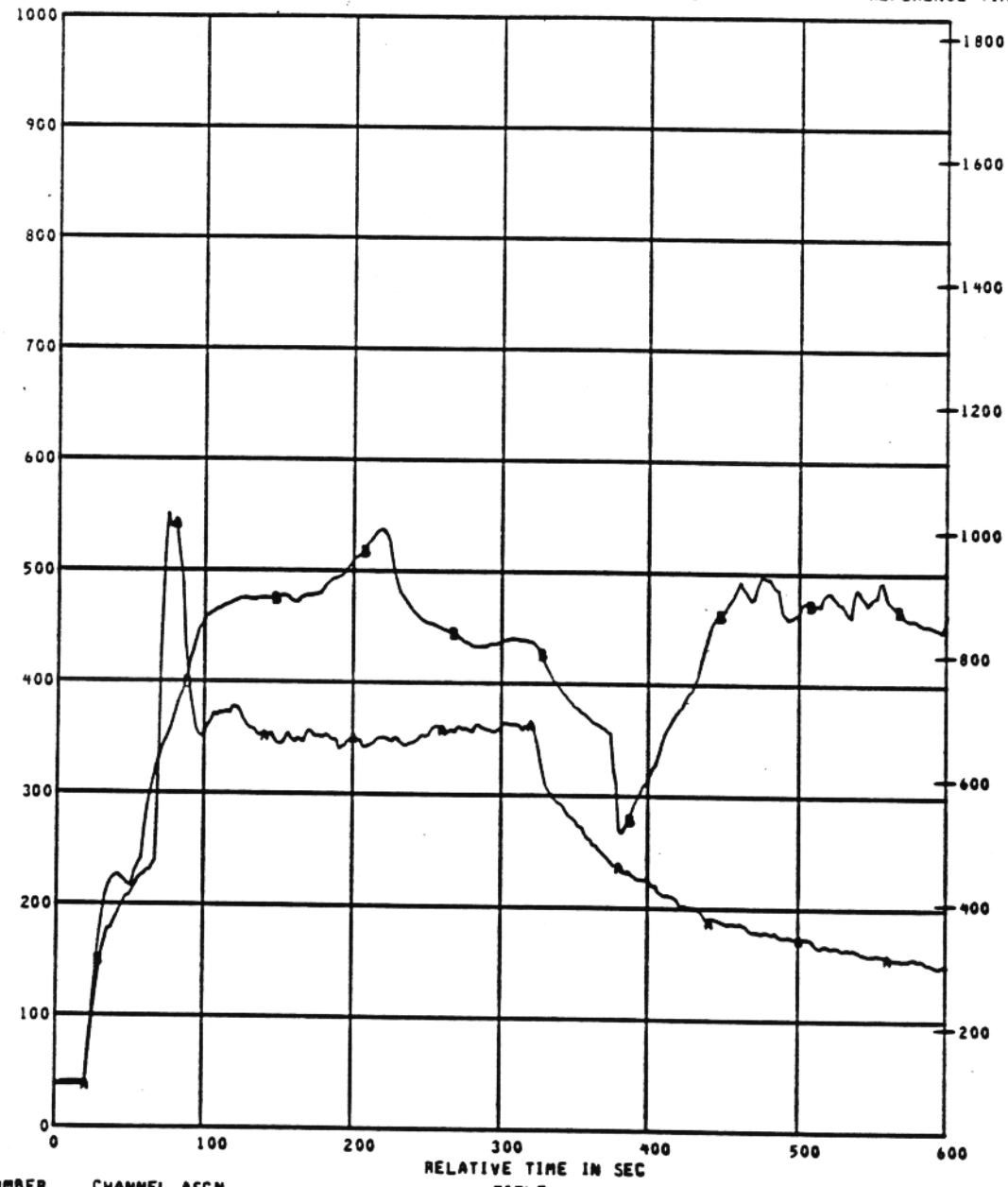
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 14 22 01.000



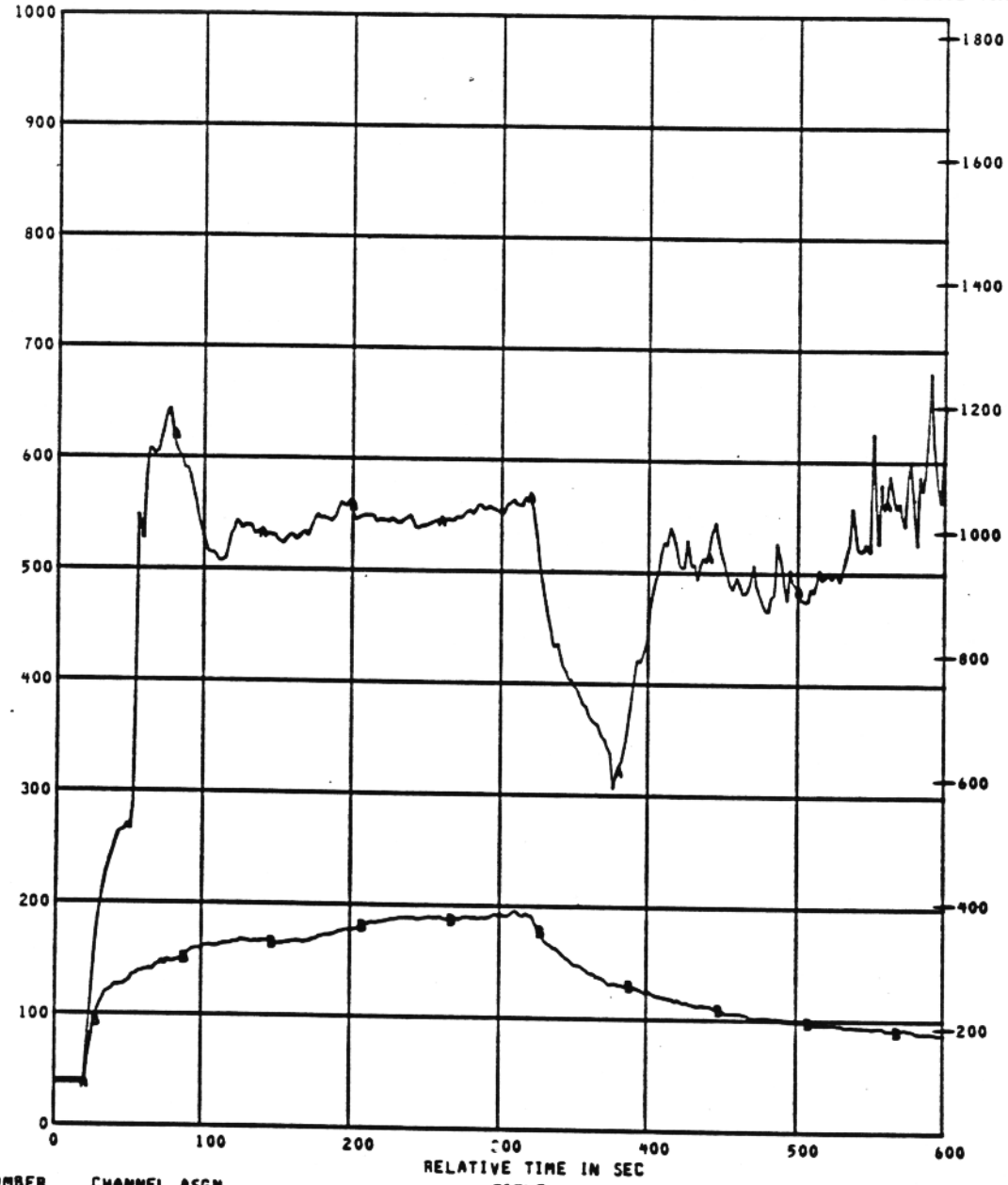
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 14 22 01.000



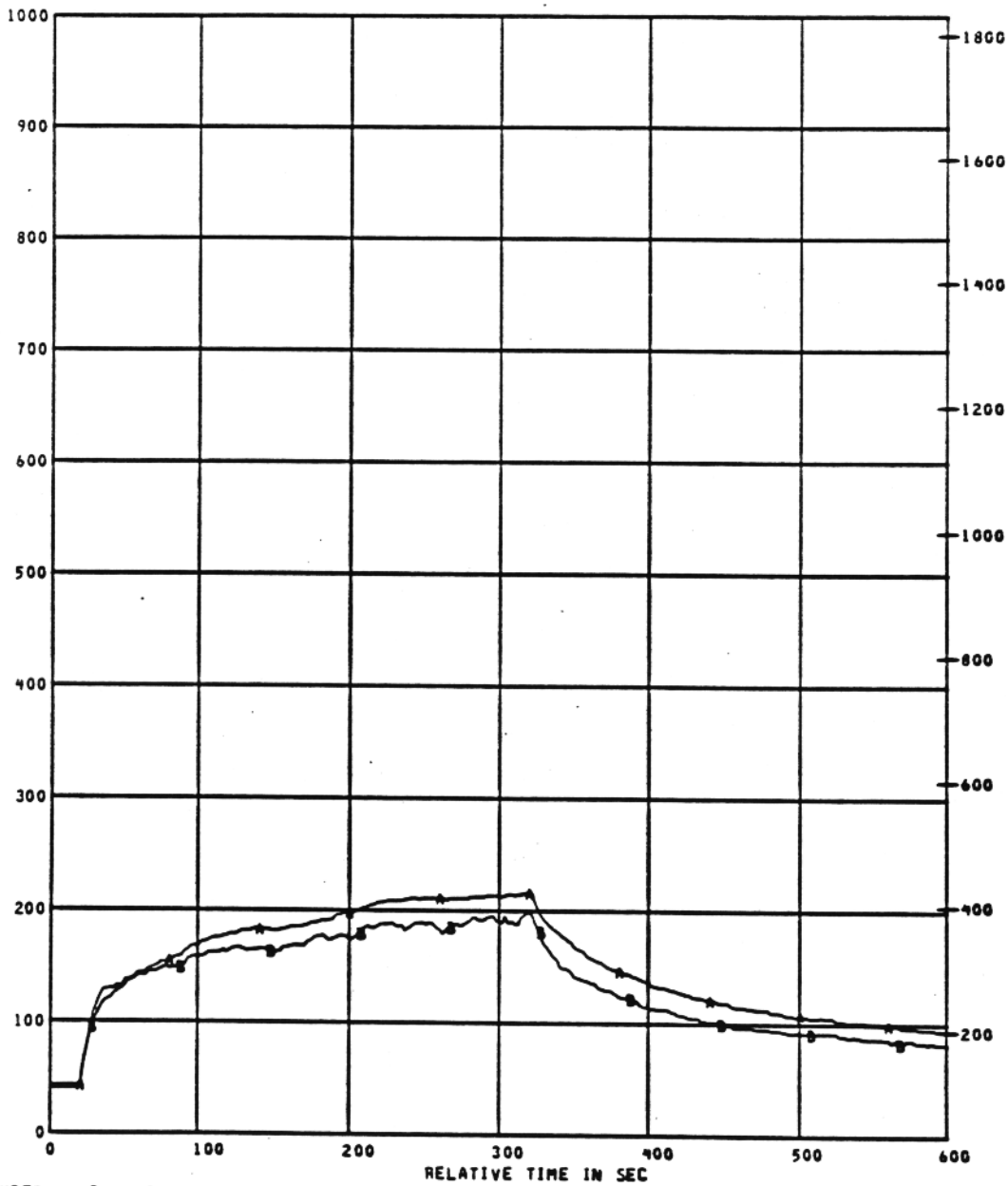
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 14 22 01.000



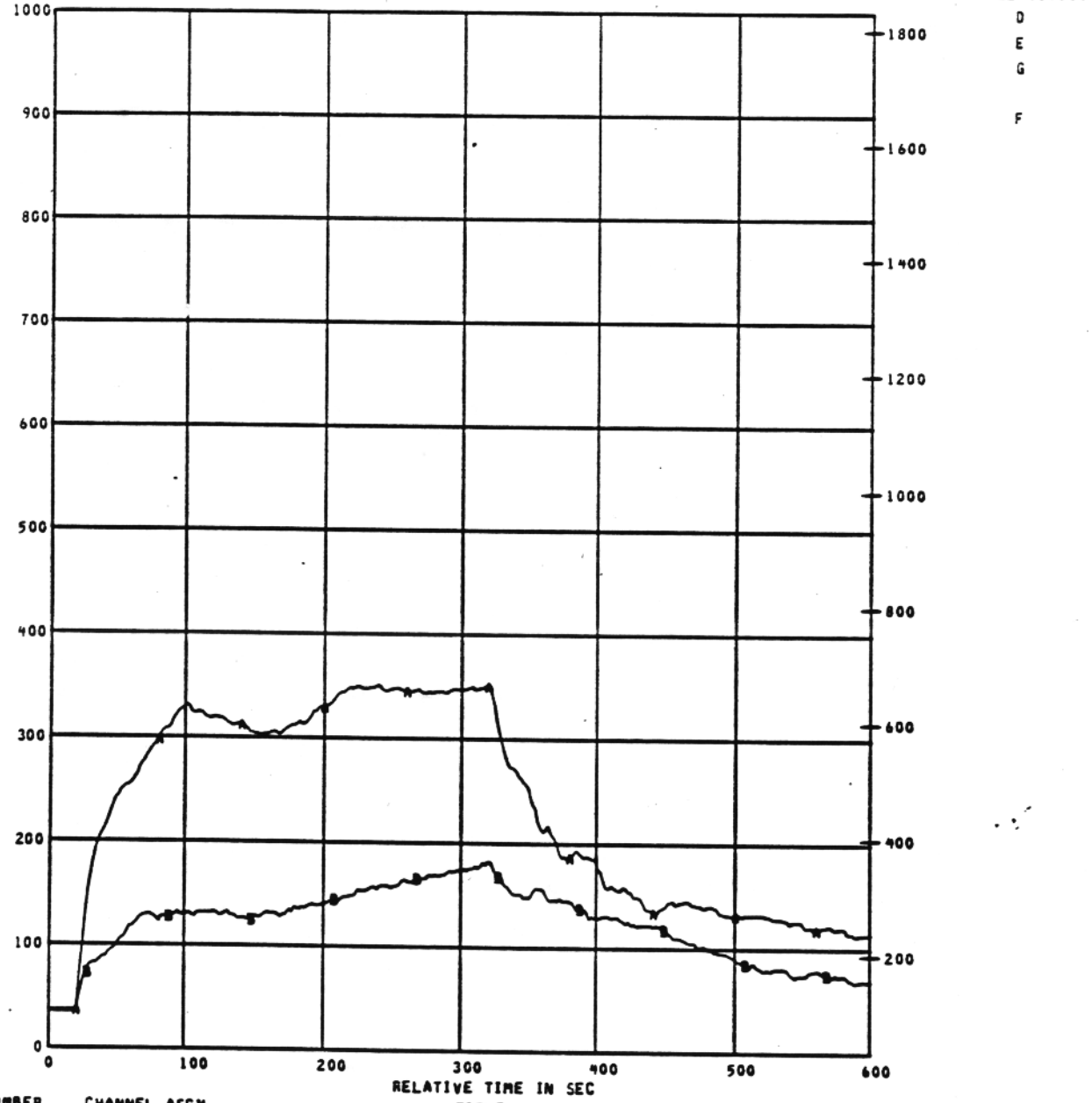
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 14 22 01.000



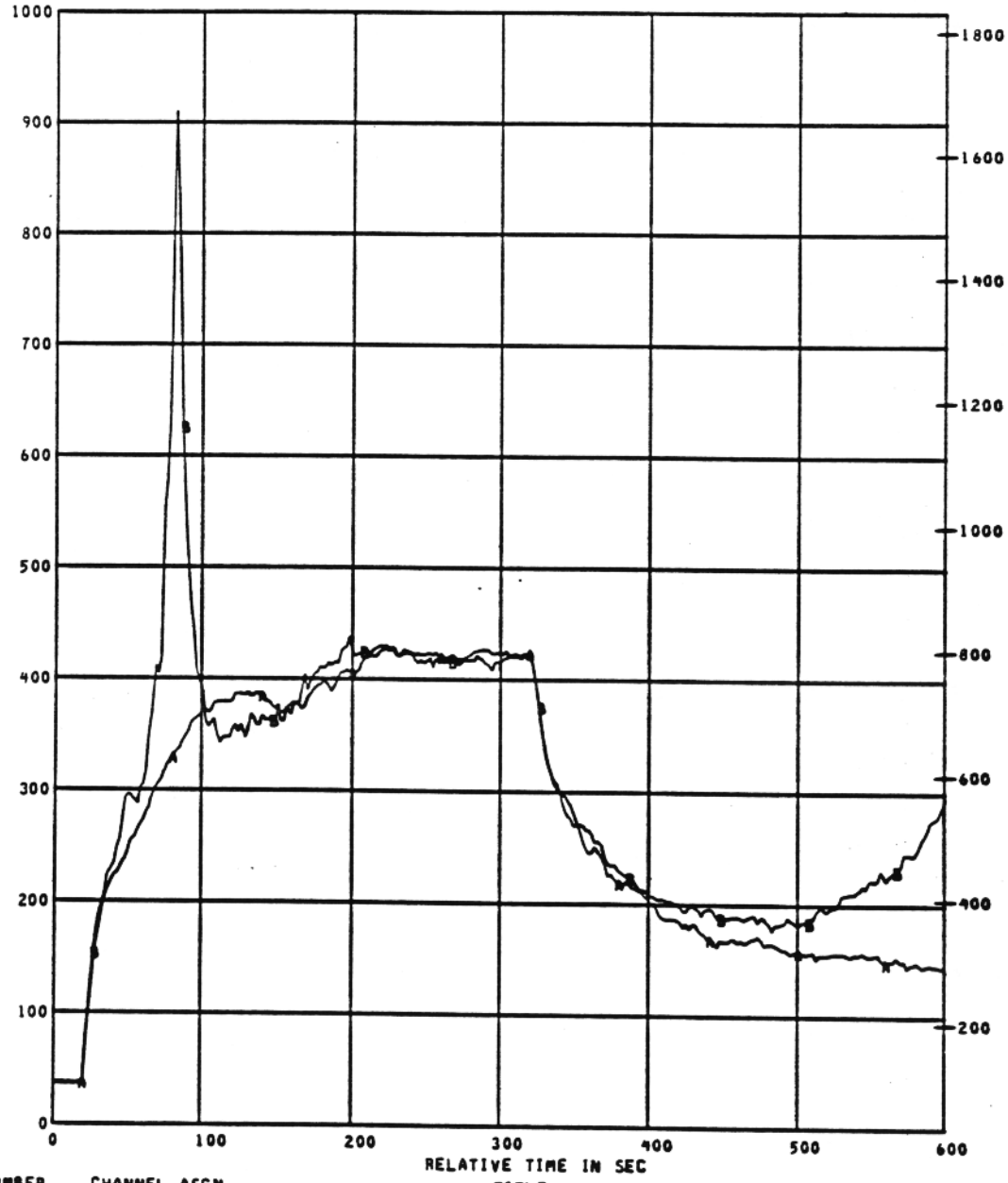
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 14 22 01.000



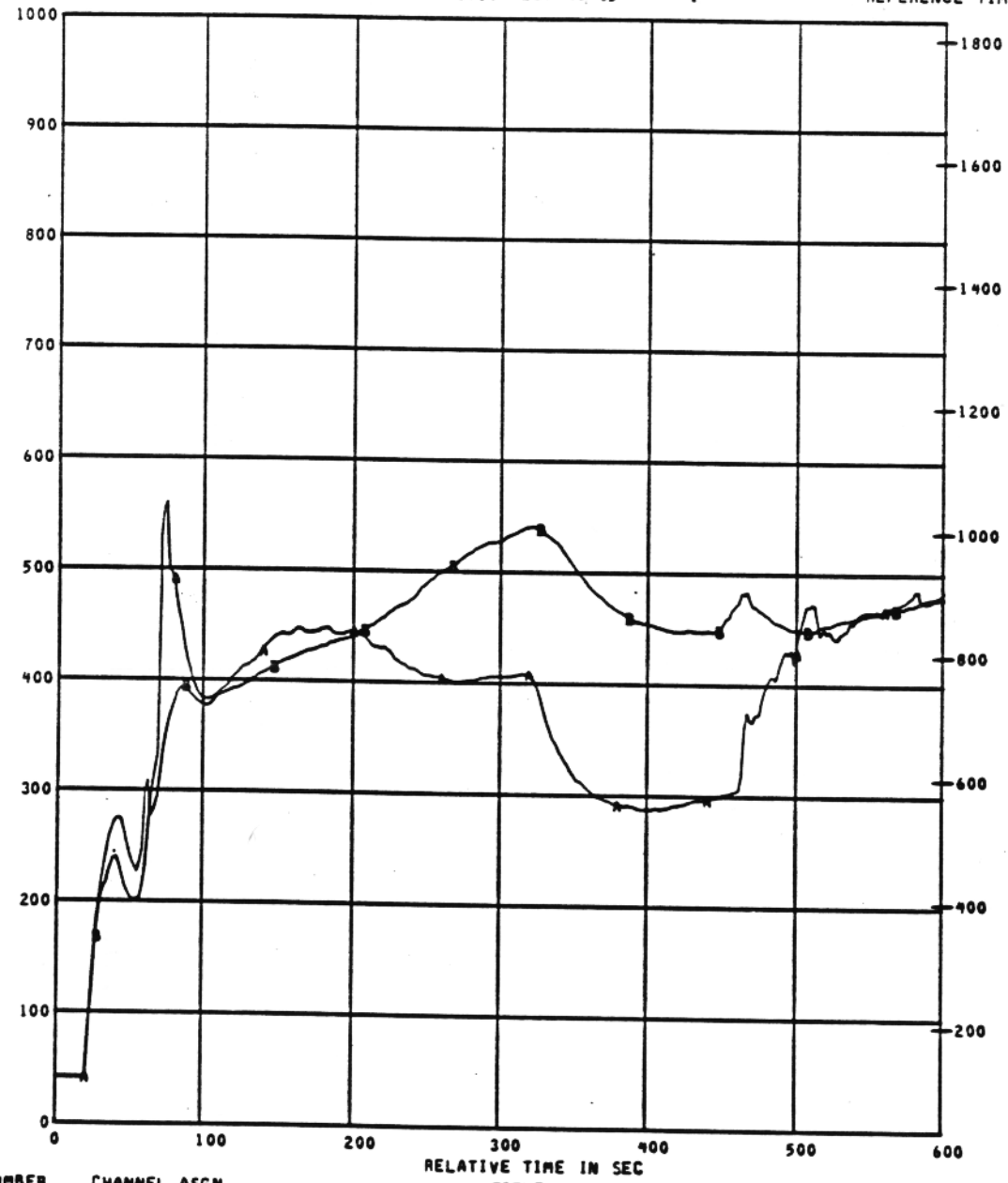
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 14 22 01.000



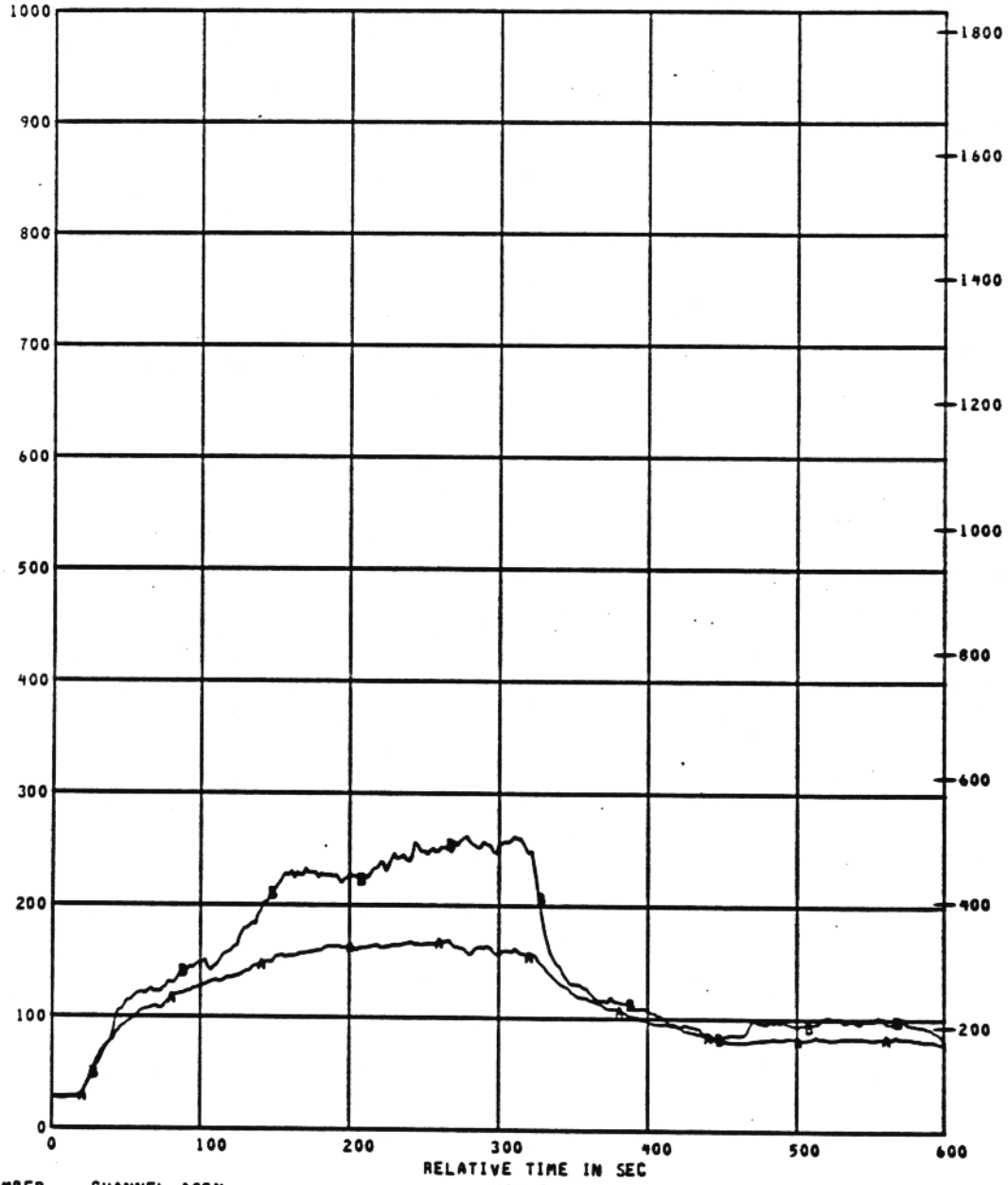
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 14 22 01.000



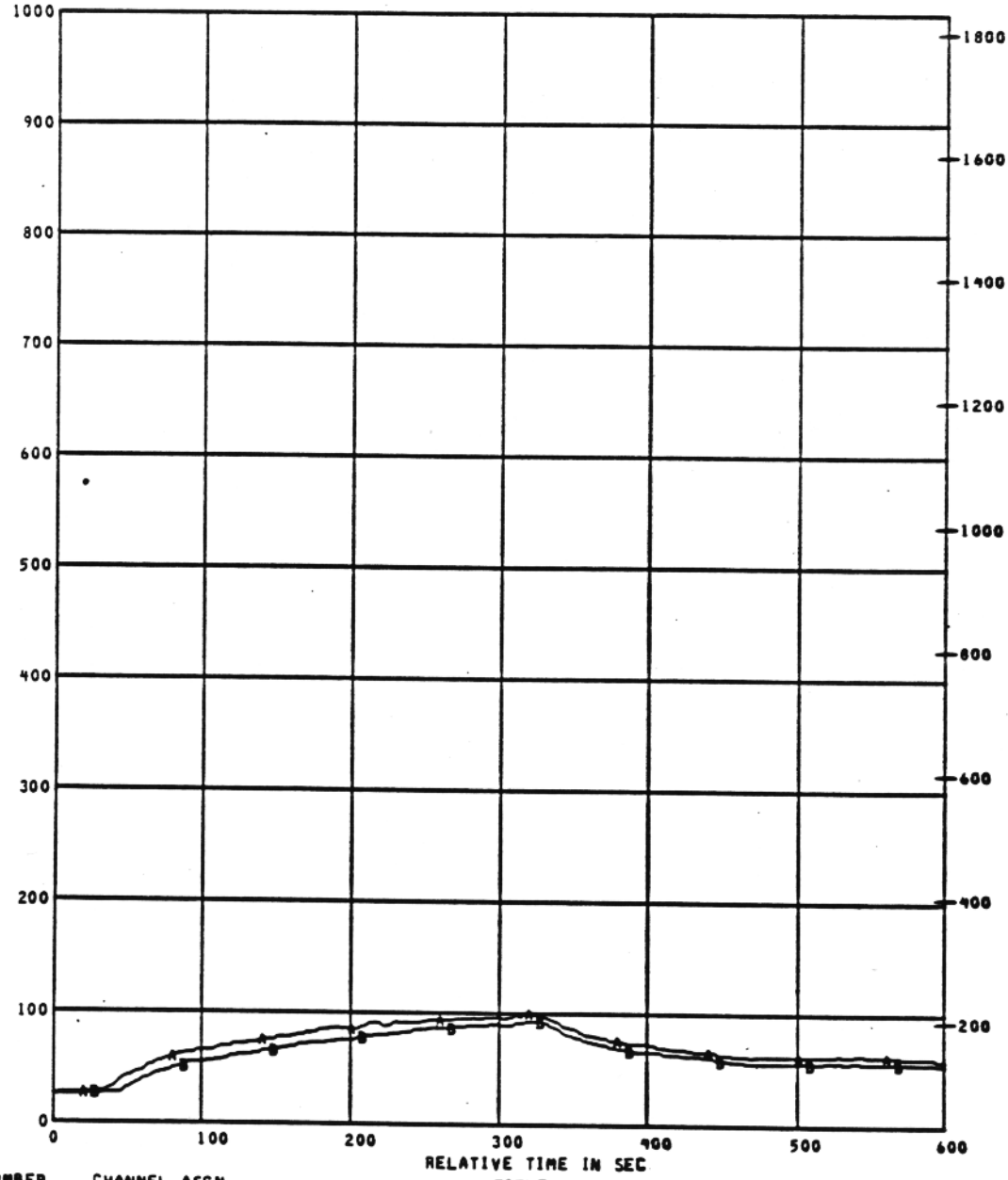
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 14 22 01.000



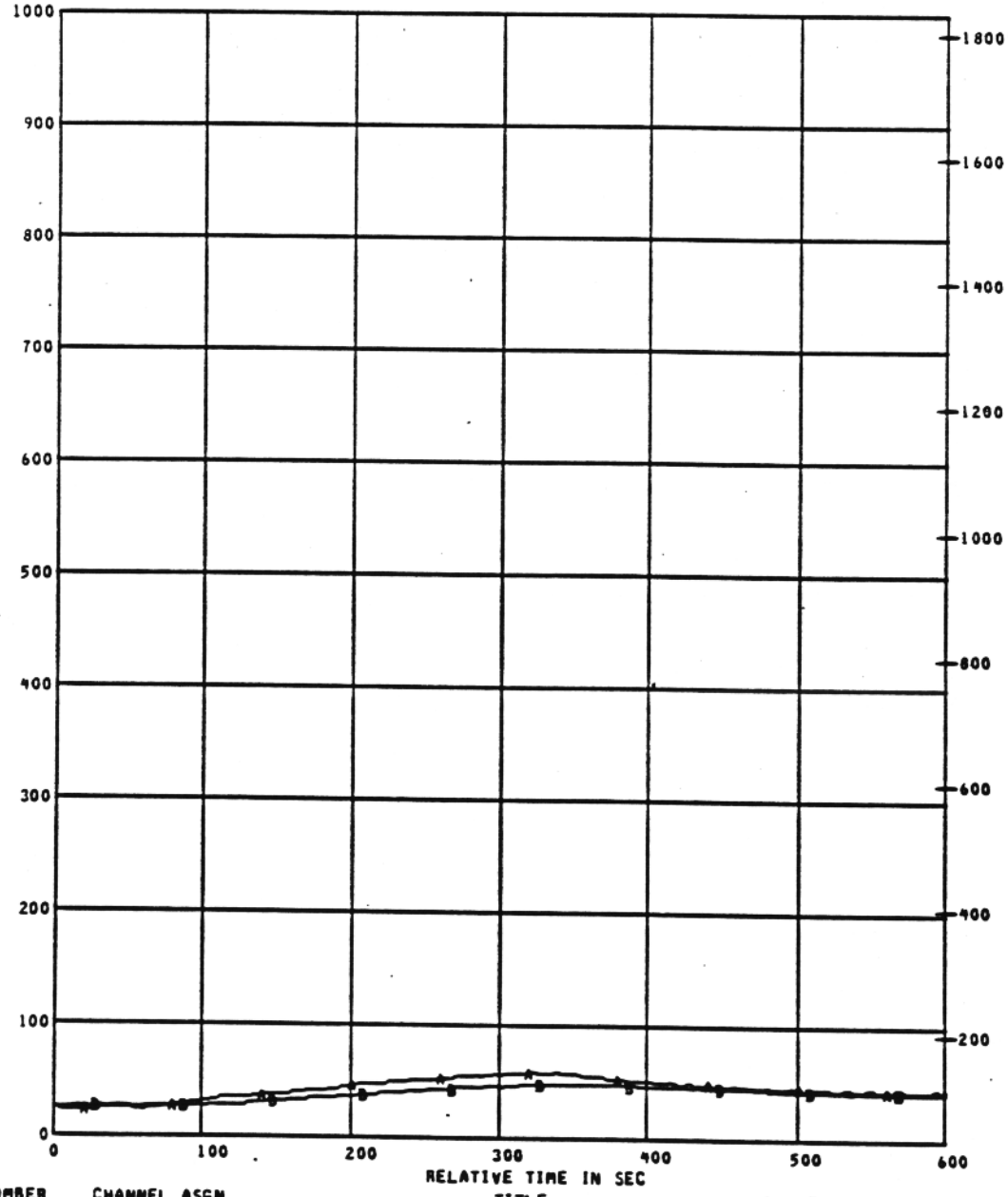
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 14 22 01.000

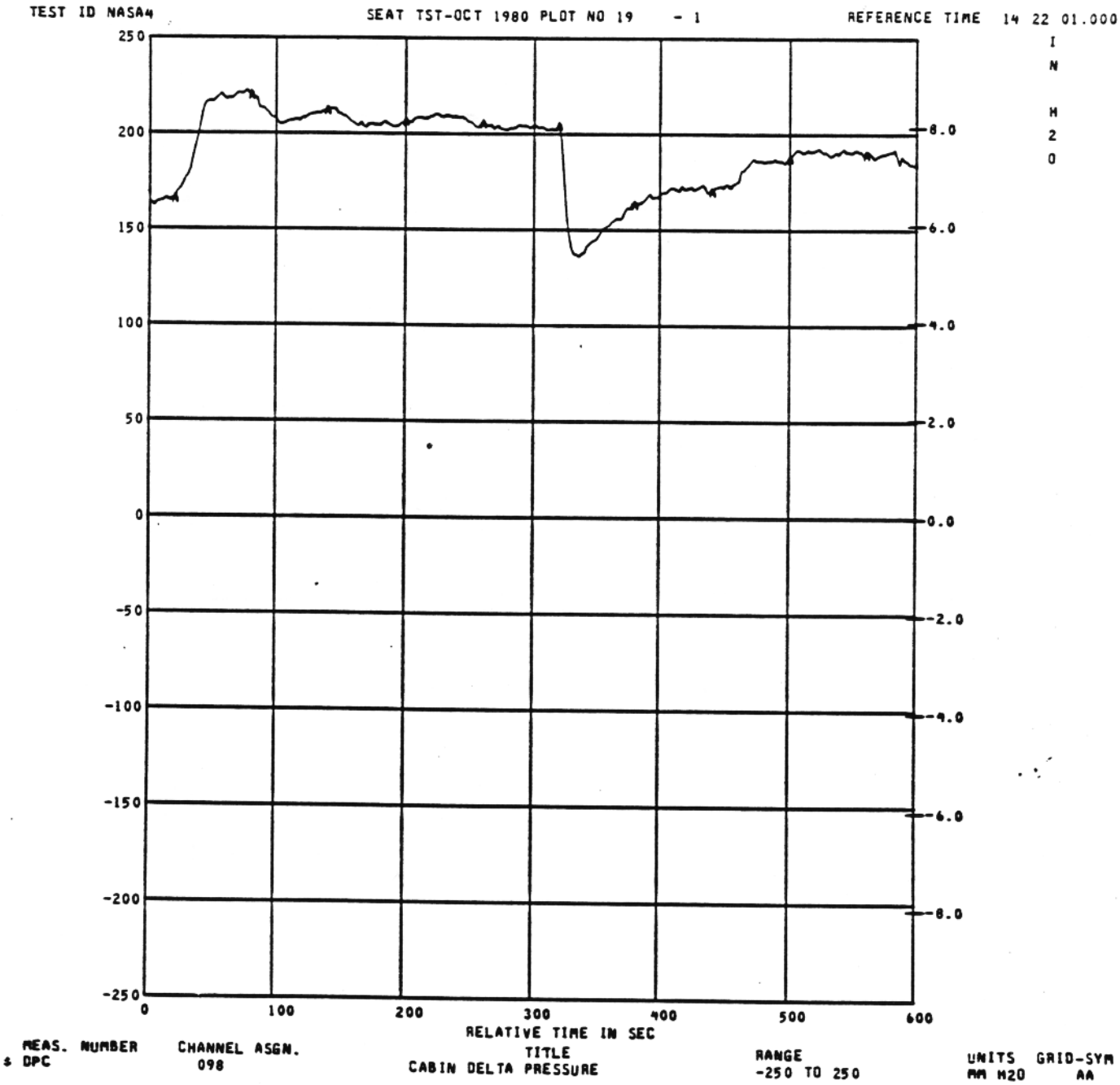


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

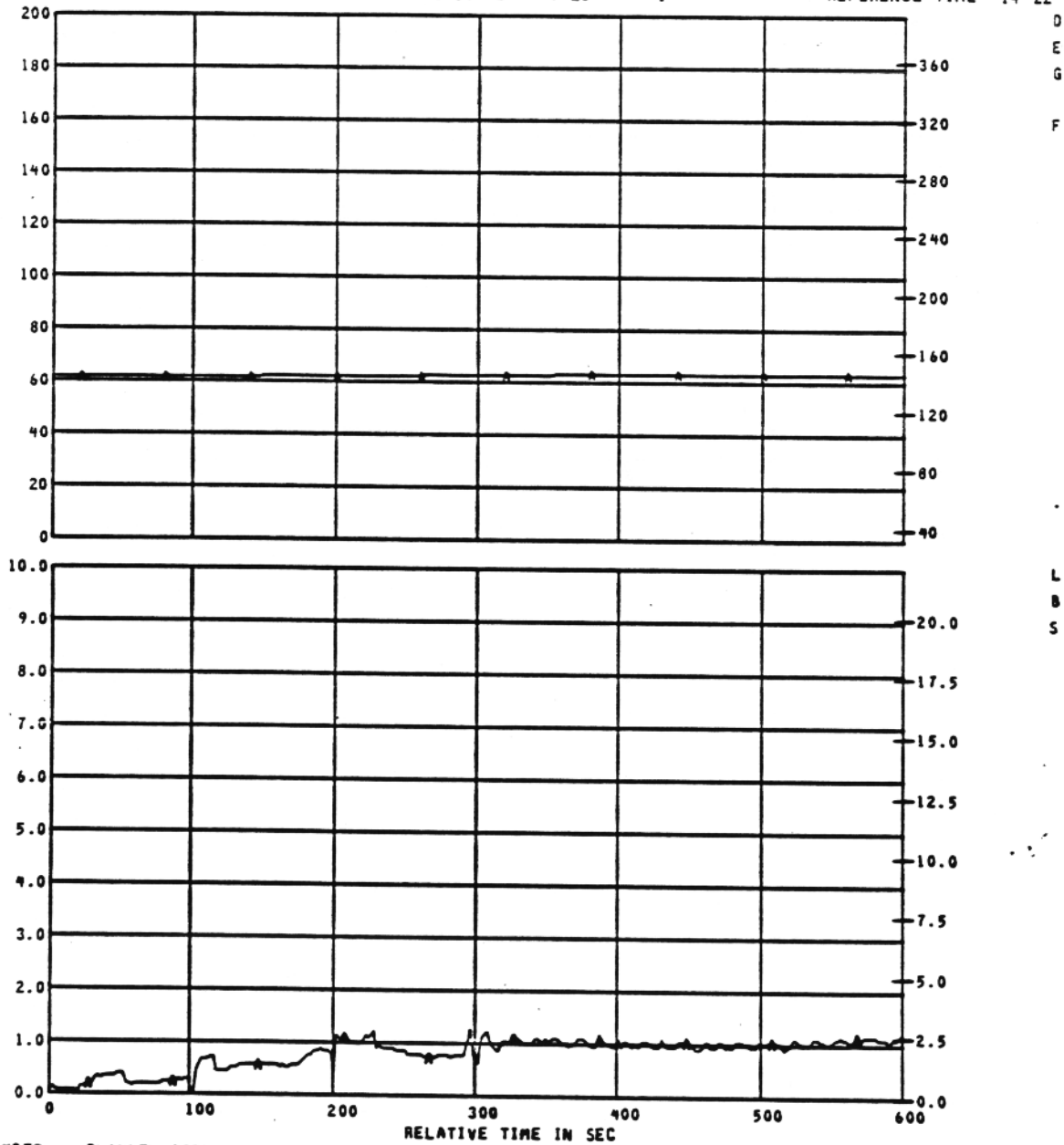
TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 14 22 01.000



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

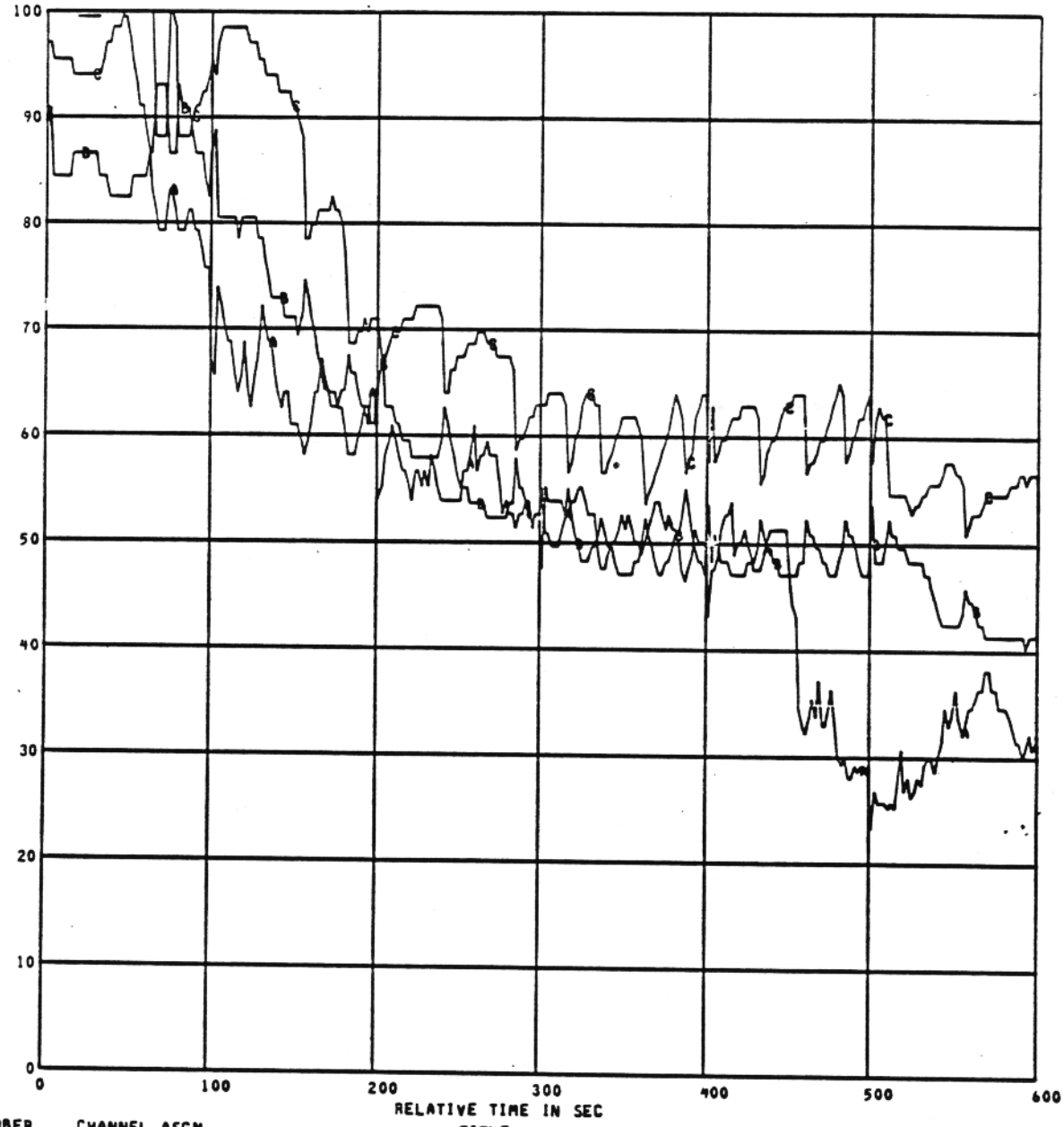

TEST ID NASA4
SEAT TST-OCT 1980 PLOT NO 19 - 1
REFERENCE TIME 14 22 01.000
IN H2O
250
200
150
100
50
0
-50
-100
-150
-200
-250
8.0
6.0
4.0
2.0
0.0
-2.0
-4.0
-6.0
-8.0
0
100
200
300
400
500
600
RELATIVE TIME IN SEC
MEAS. NUMBER
$ DPC
CHANNEL ASGN.
098
TITLE
CABIN DELTA PRESSURE
RANGE
-250 TO 250
UNITS
MM H20
GRID-SYM
AA

TEST ID NASA4 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 14 22 01.000



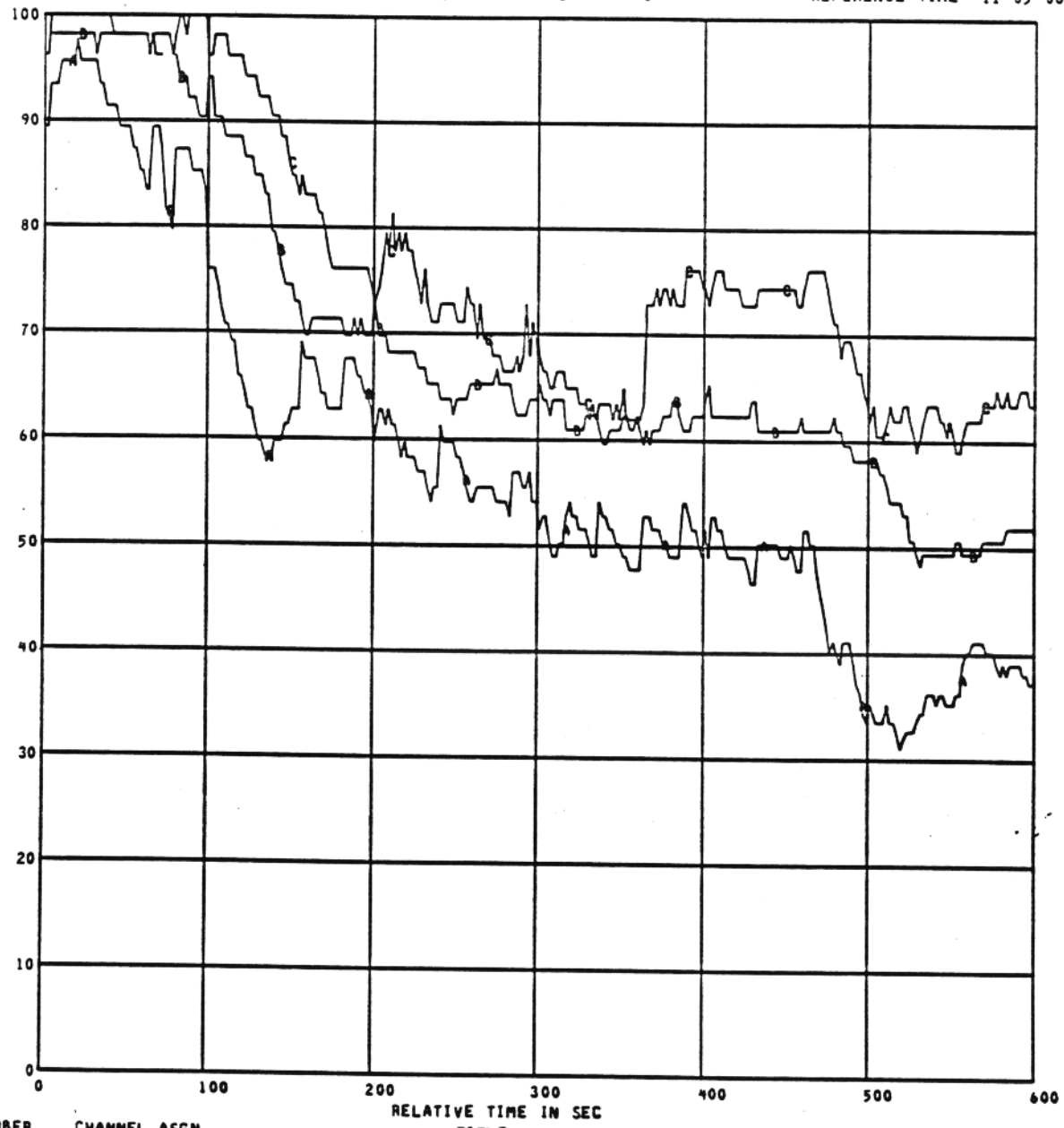
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO. 2 - 1 REFERENCE TIME 11 05 00.000



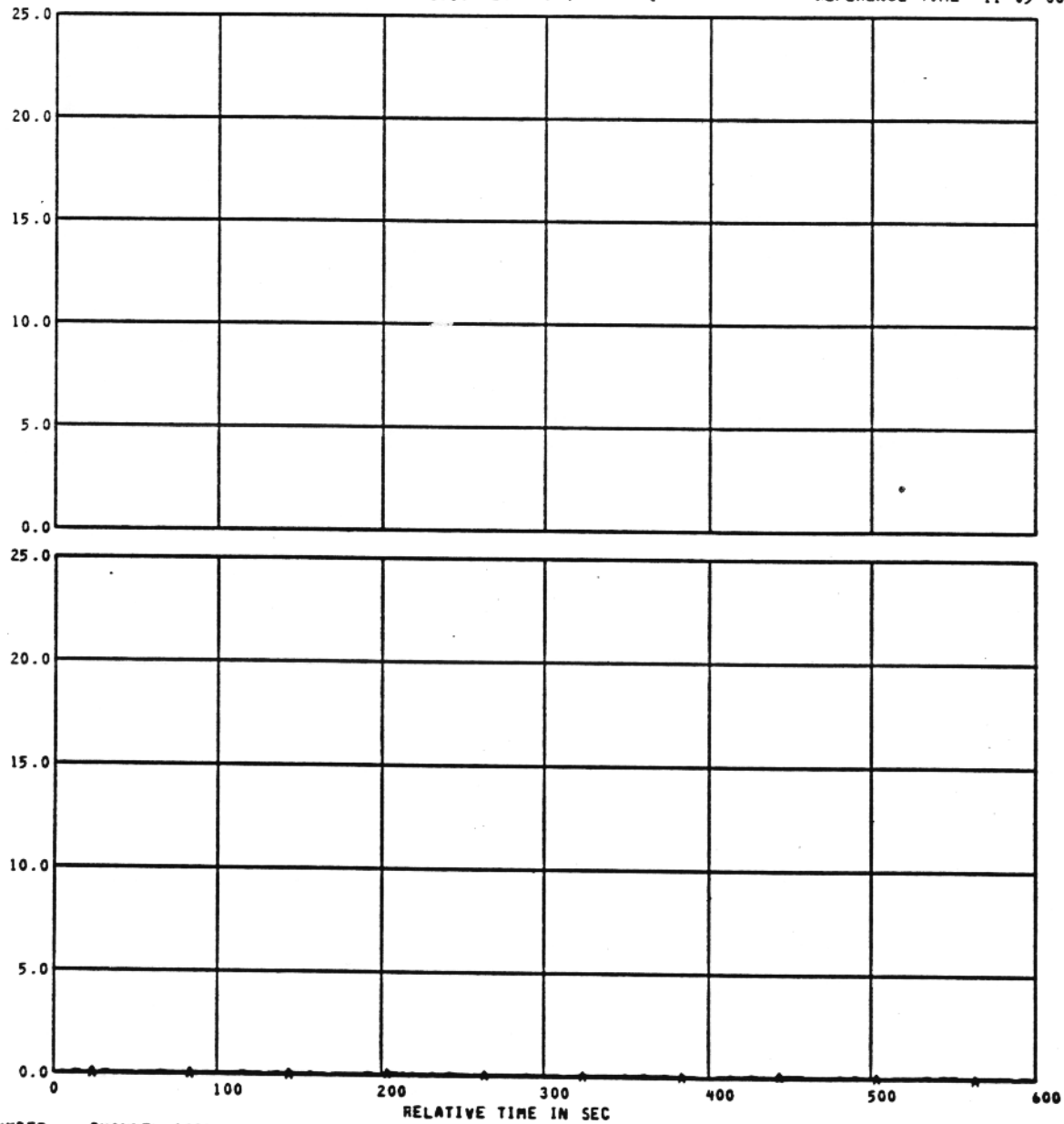
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 11 05 00.000



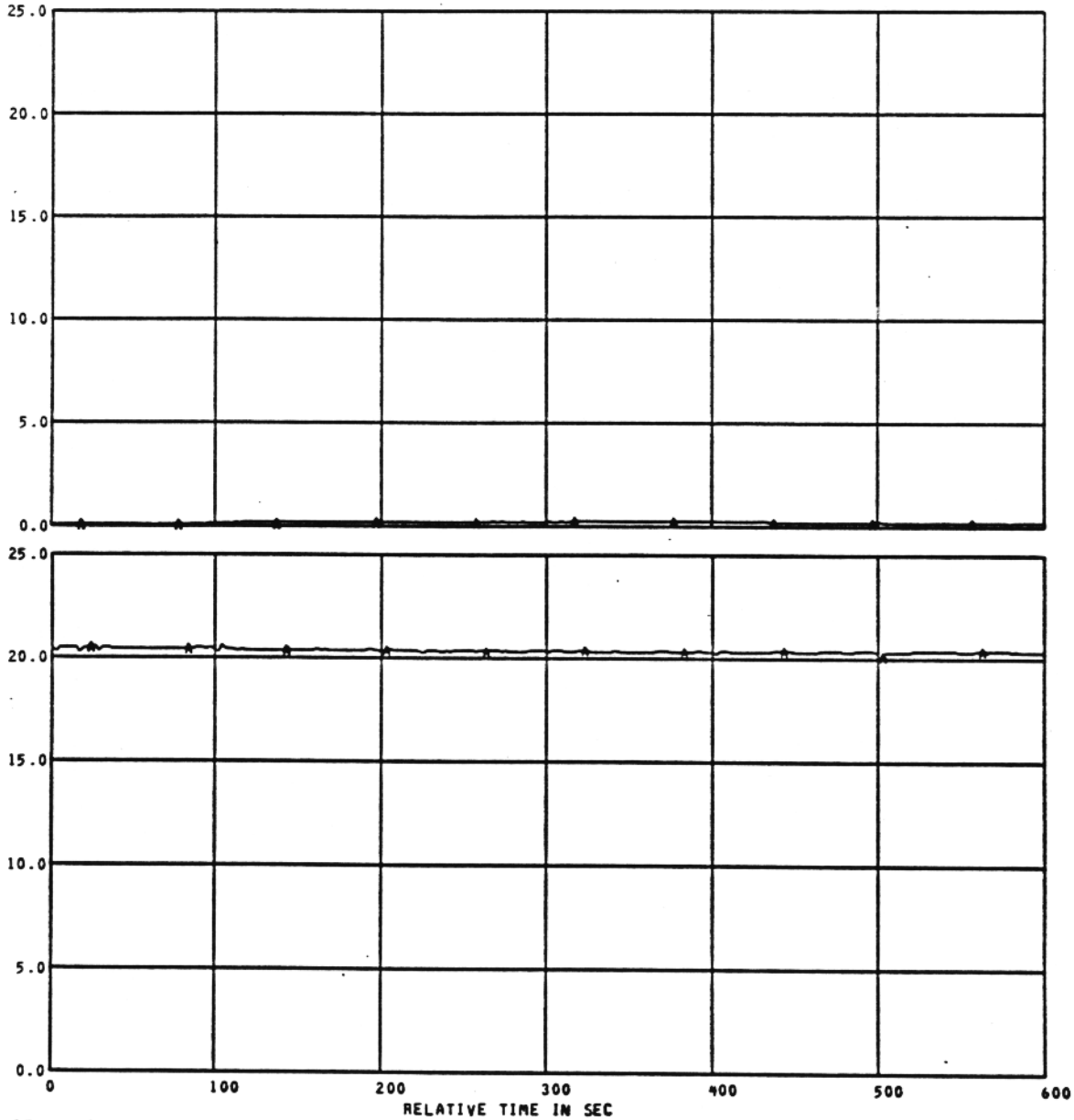
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 11 05 00.000



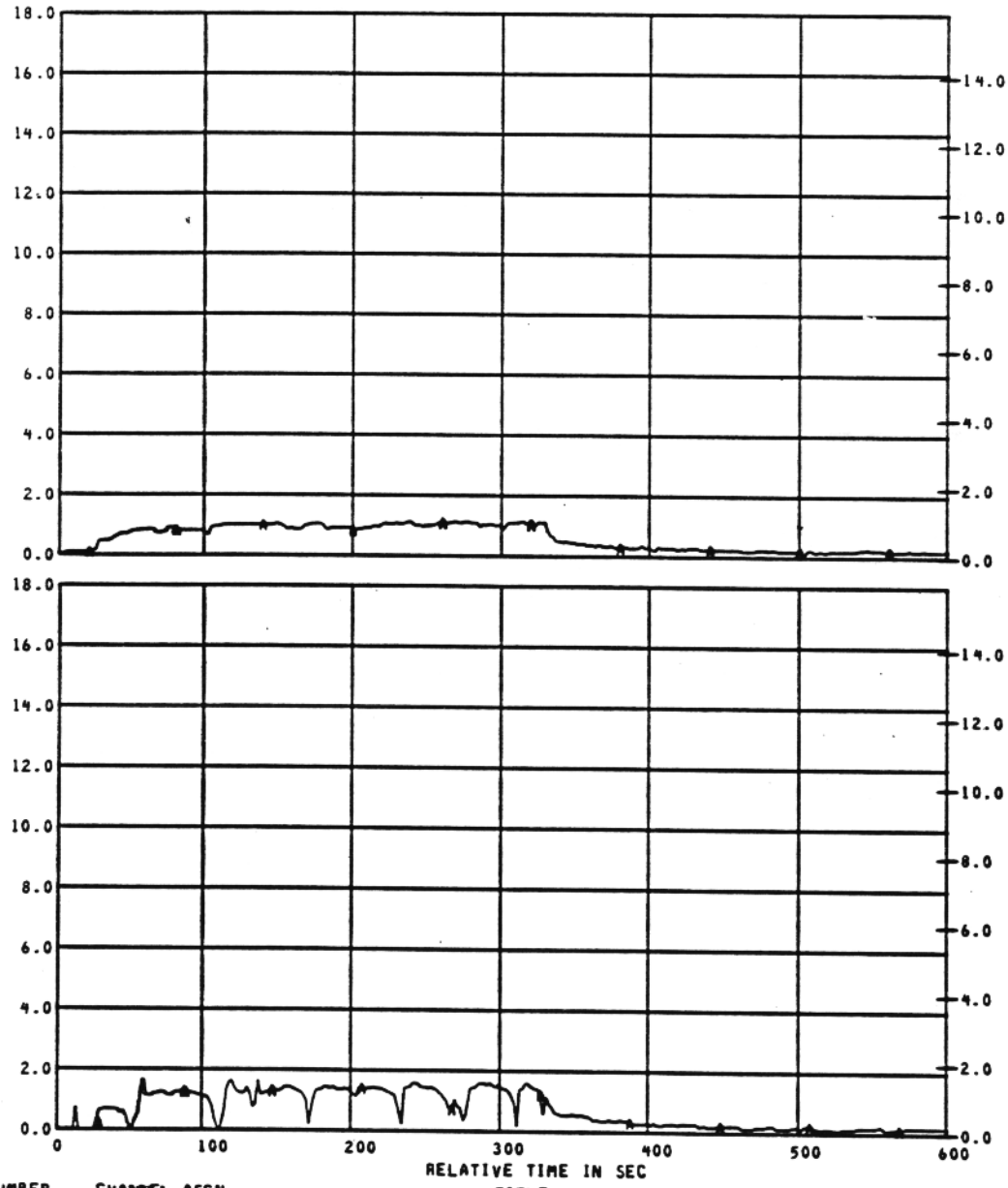
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 11 05 00.000



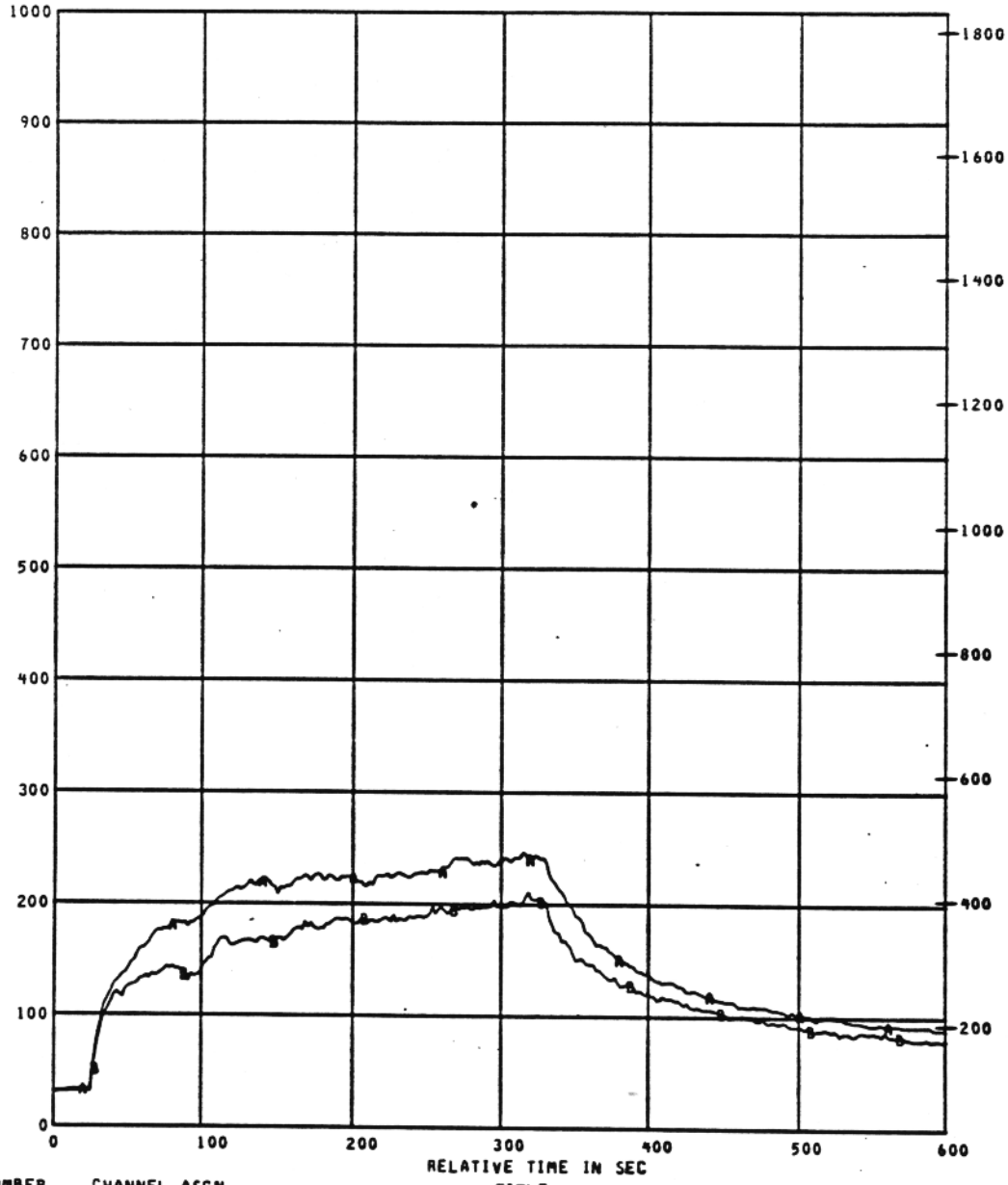
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 11 05 00.000



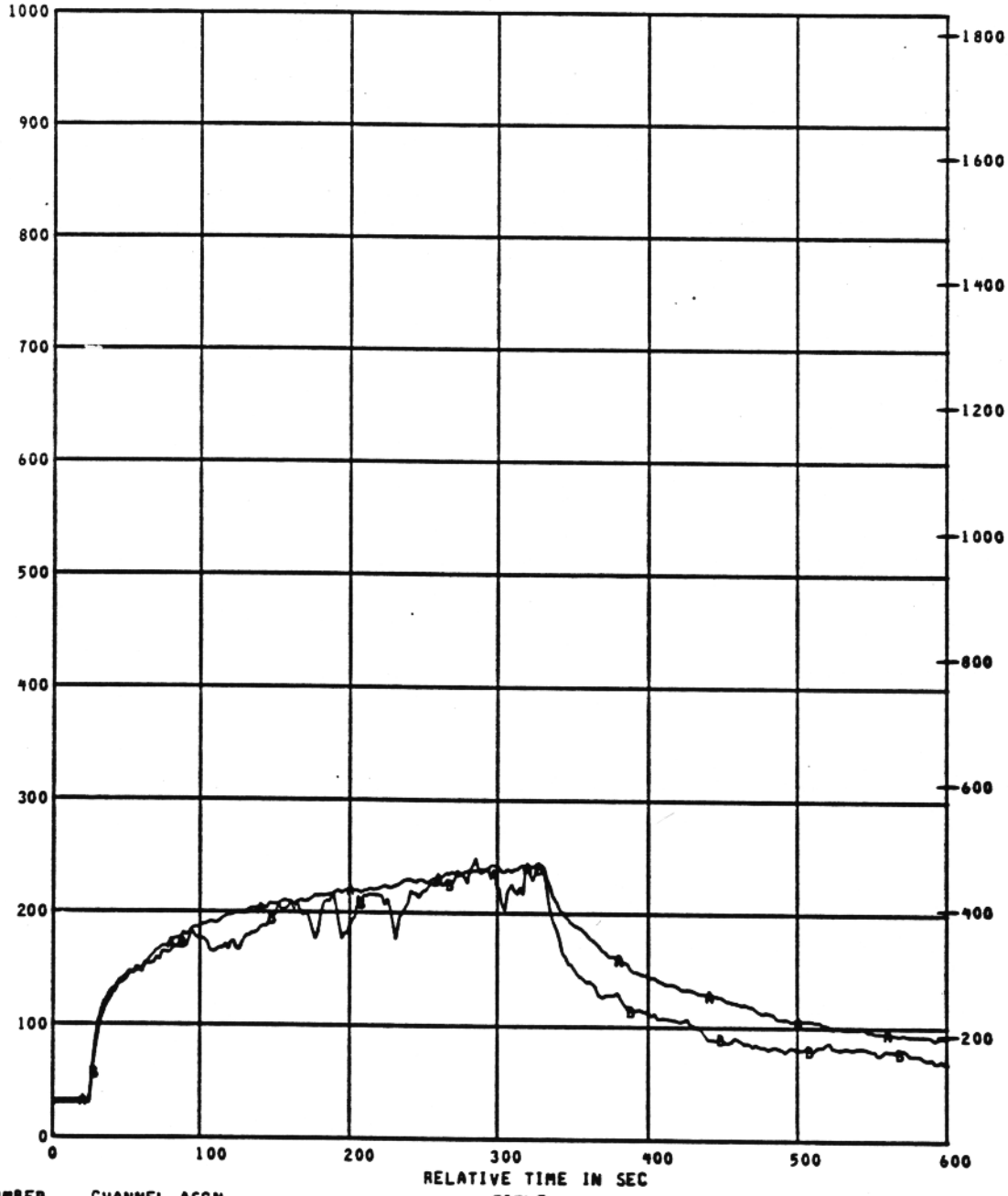
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 11 05 00.000



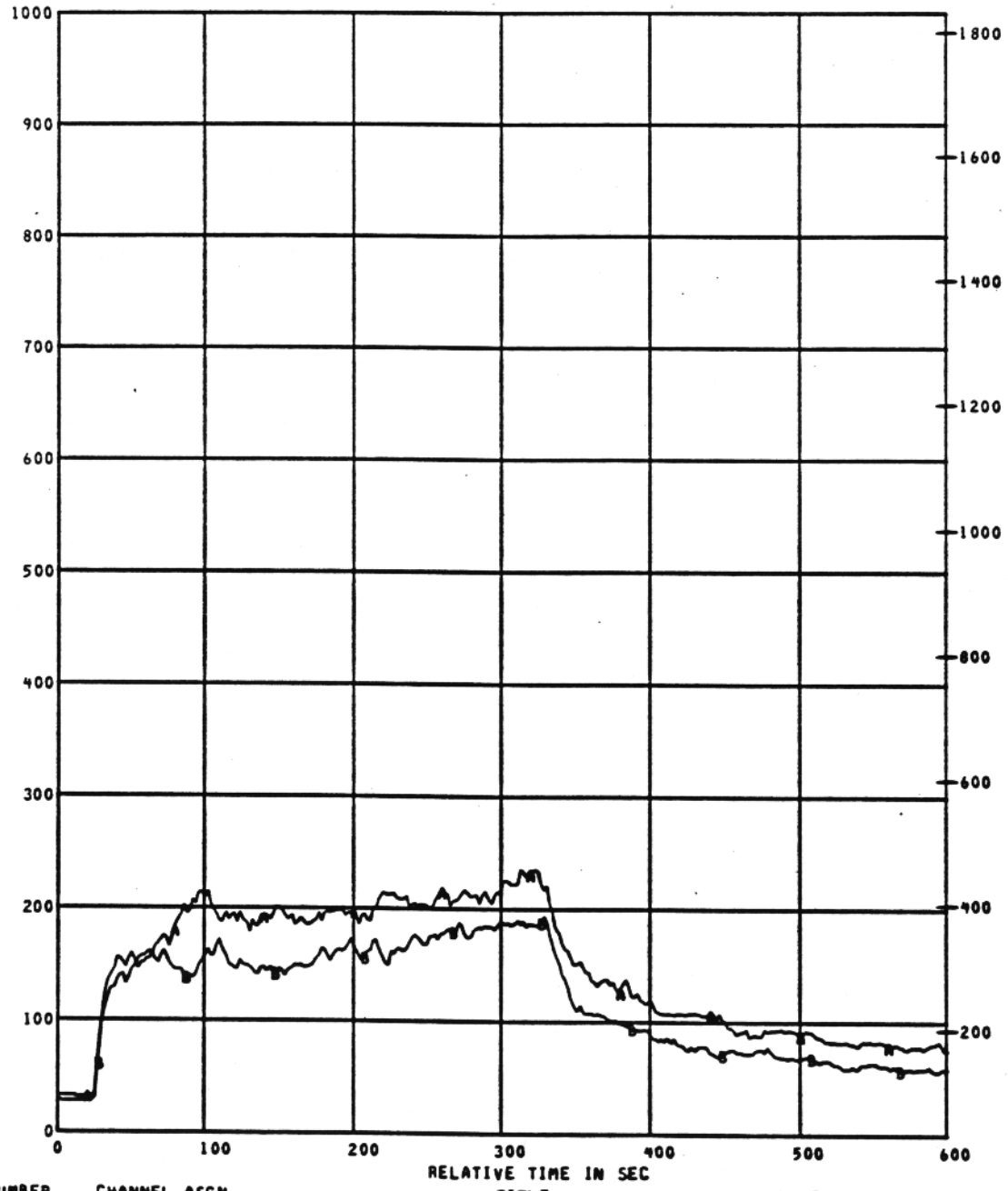
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 11 05 00.000



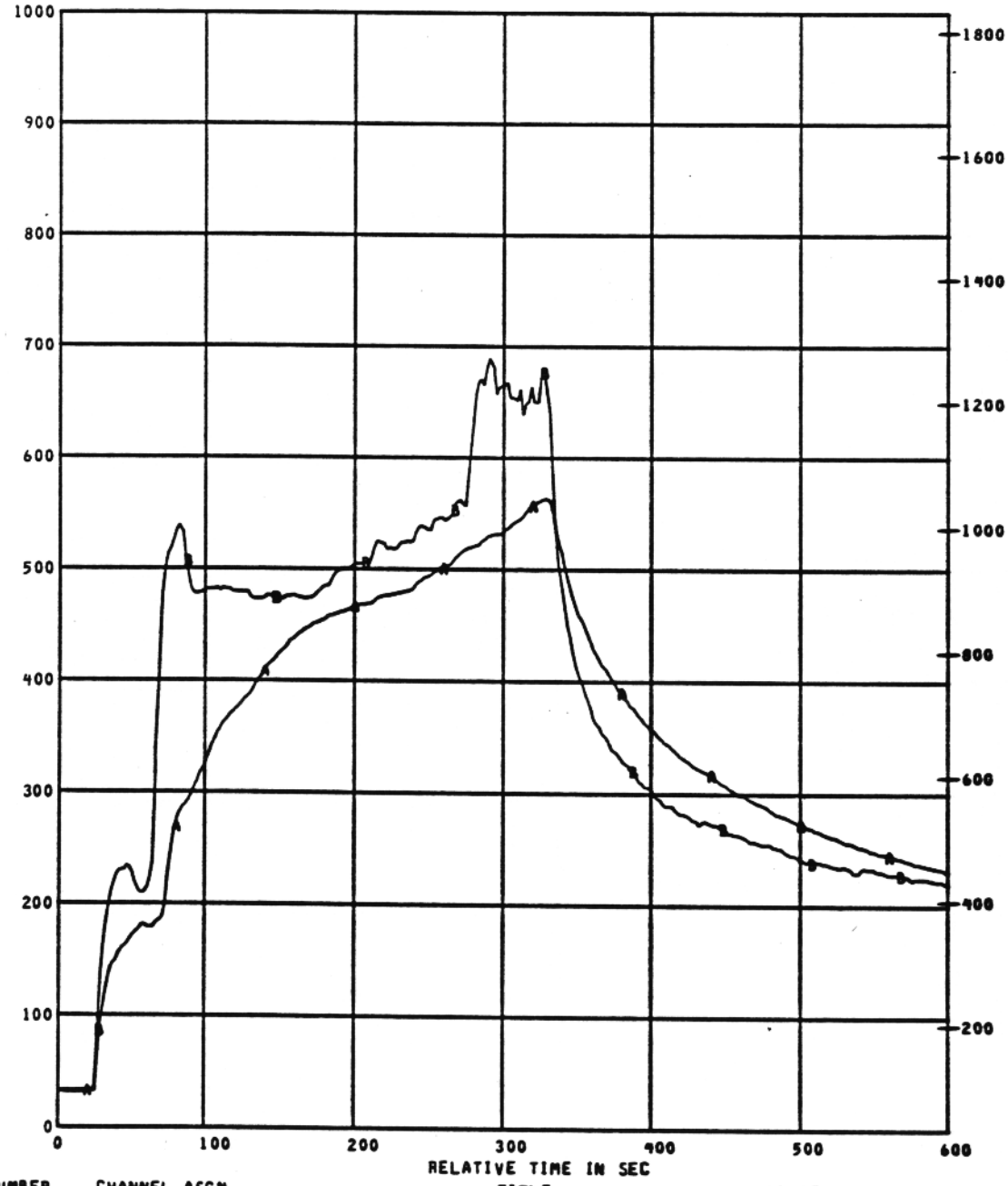
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 11 05 00.000



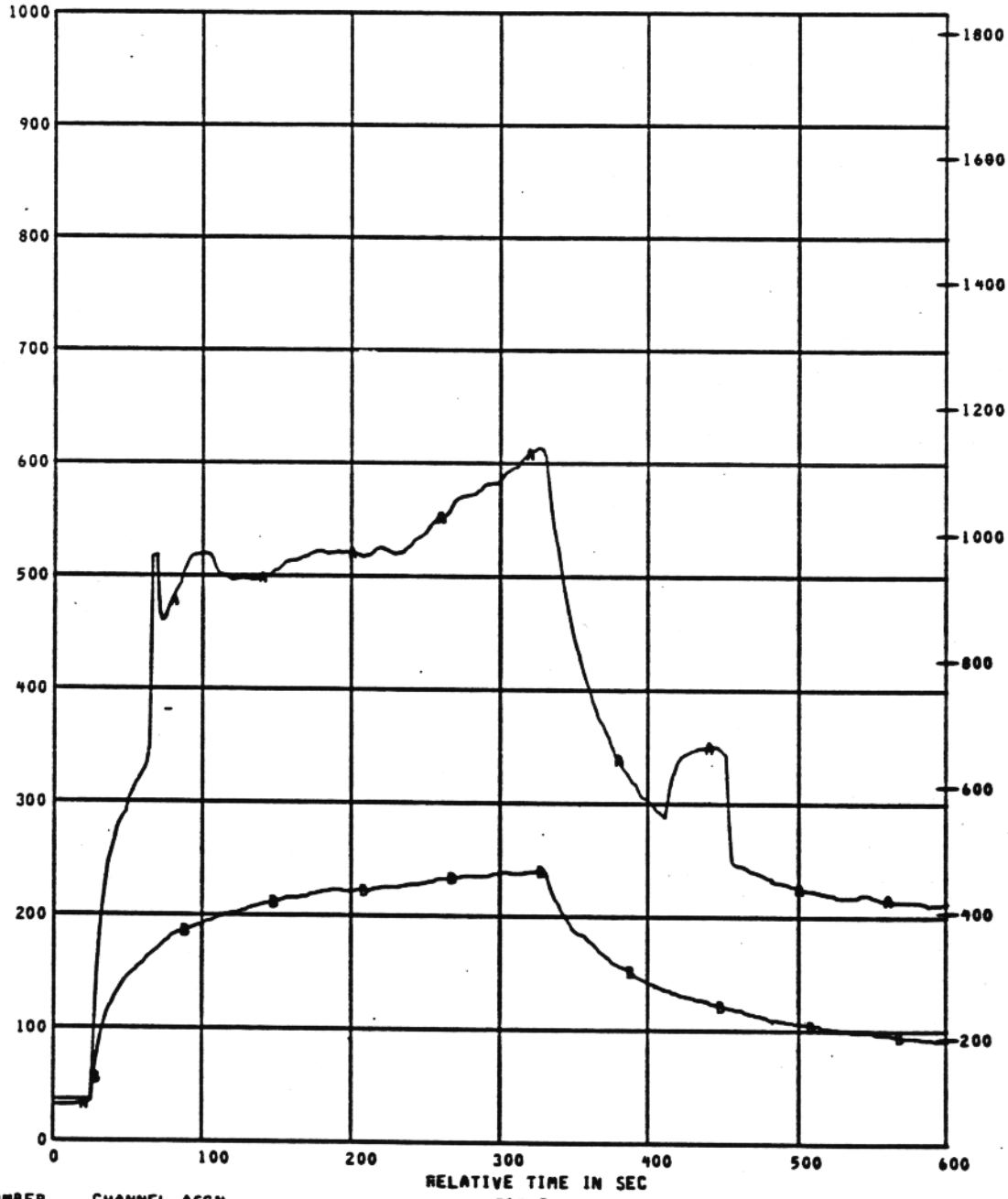
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 11 05 00.000



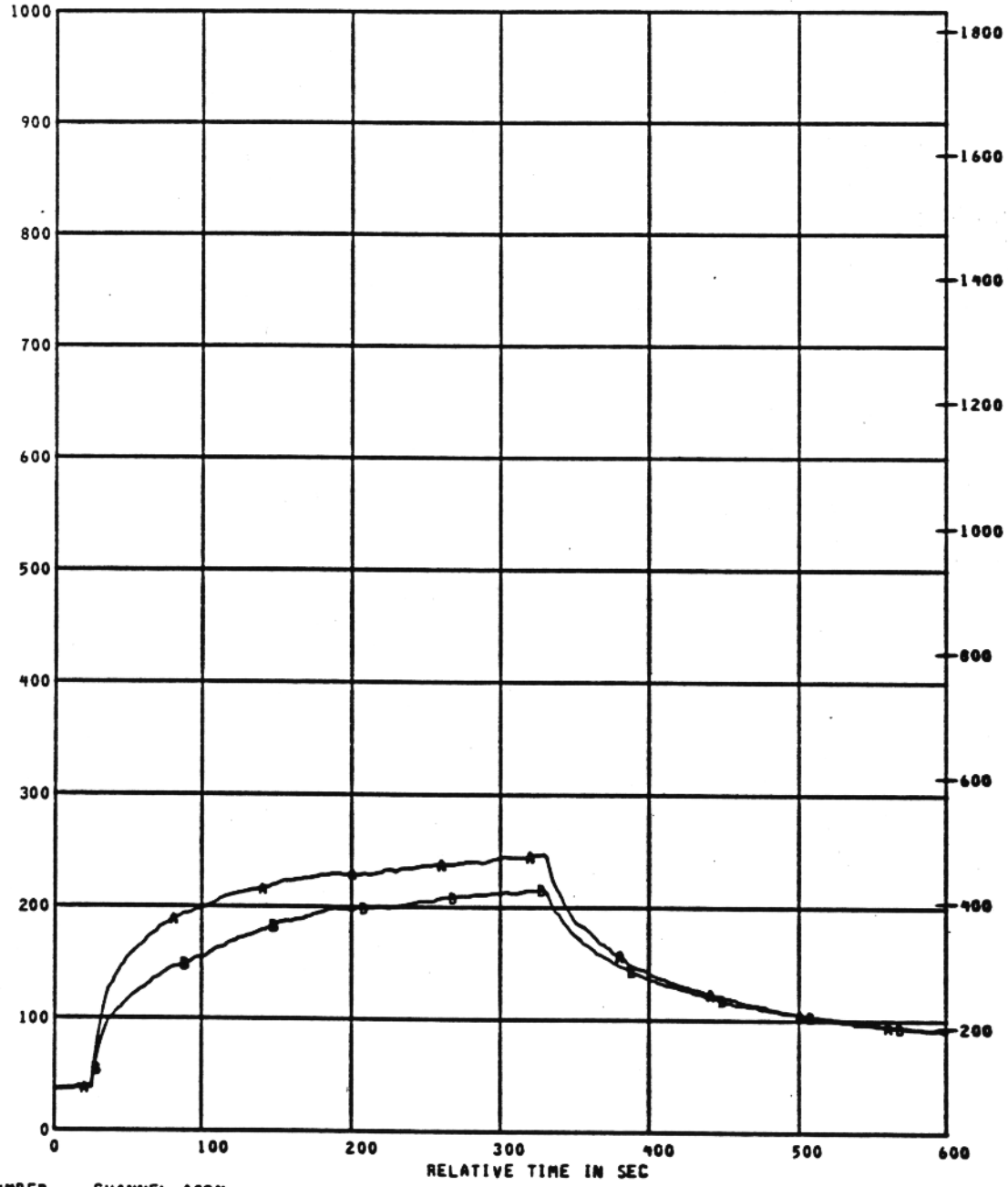
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
* TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
* TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 11 05 00.000



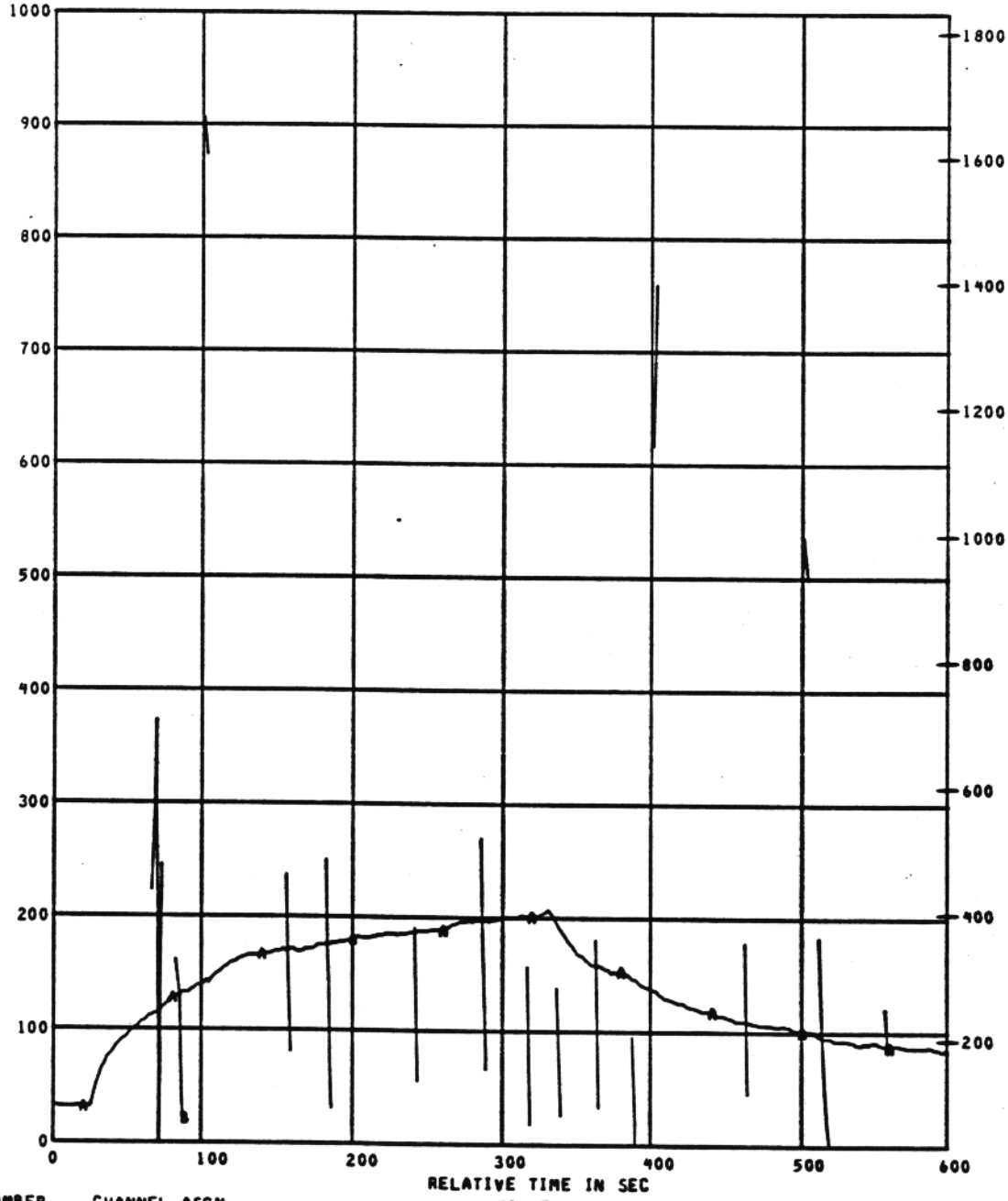
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 11 05 00.000



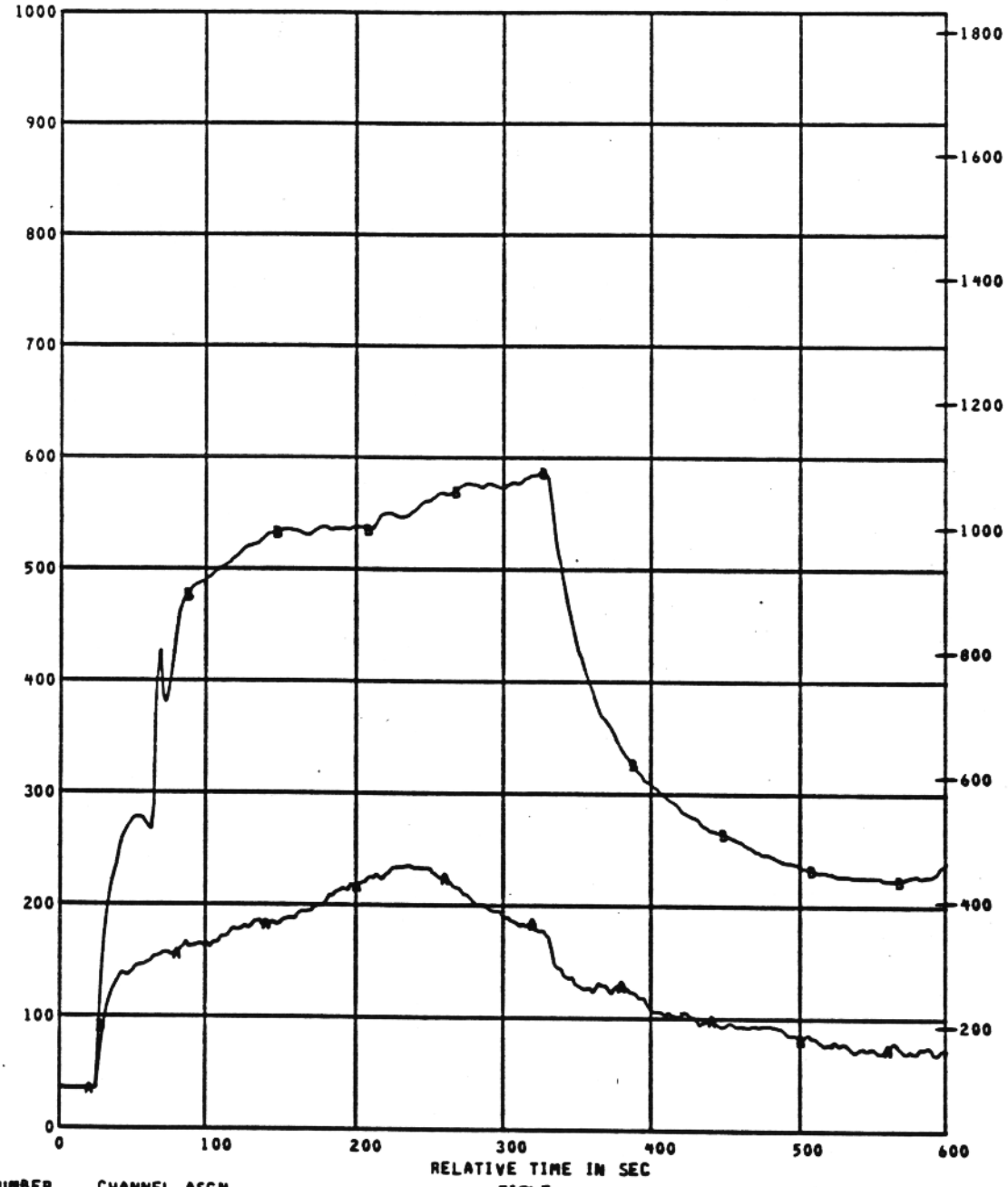
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 11 05 00.000



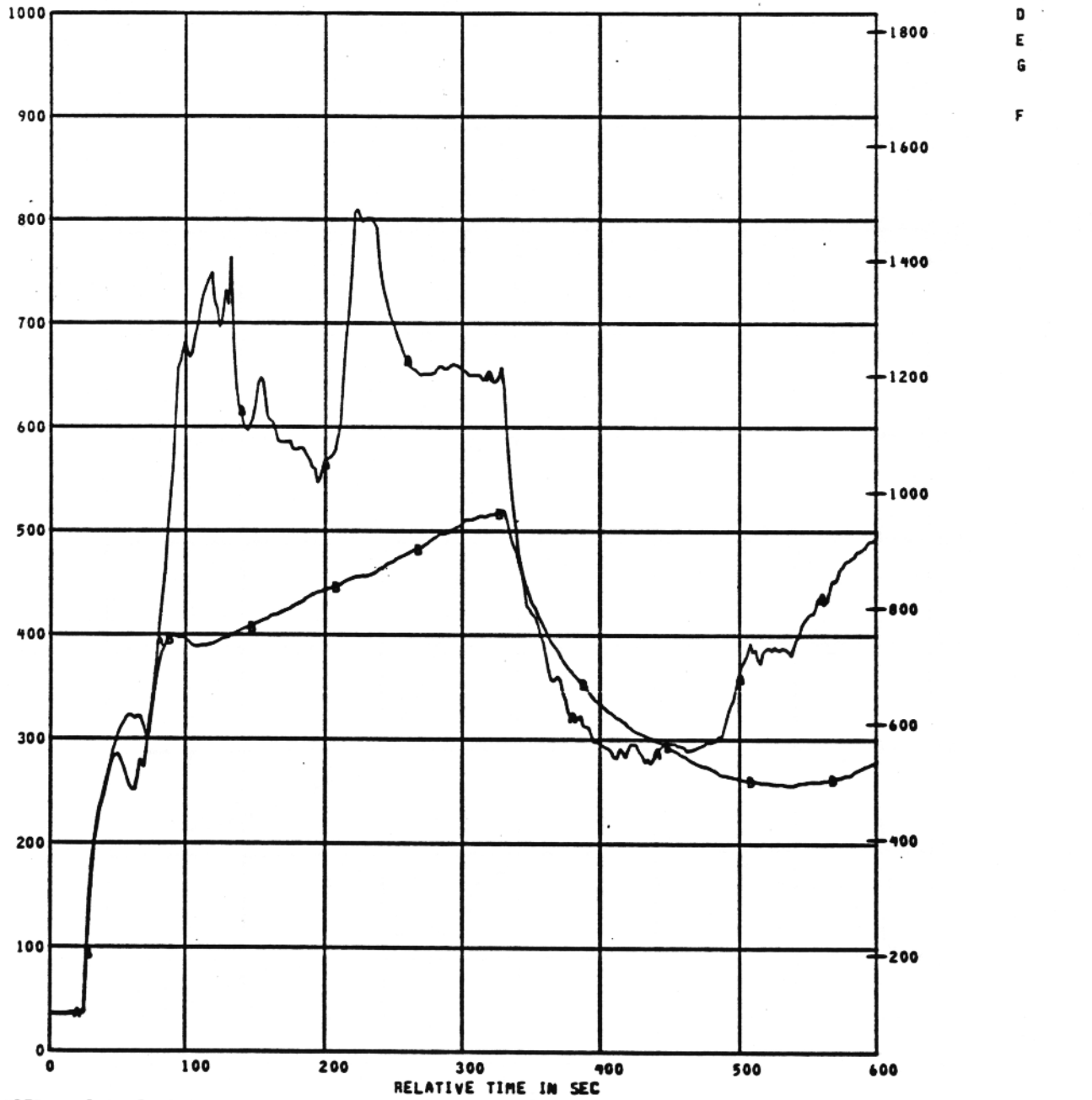
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 11 05 00.000



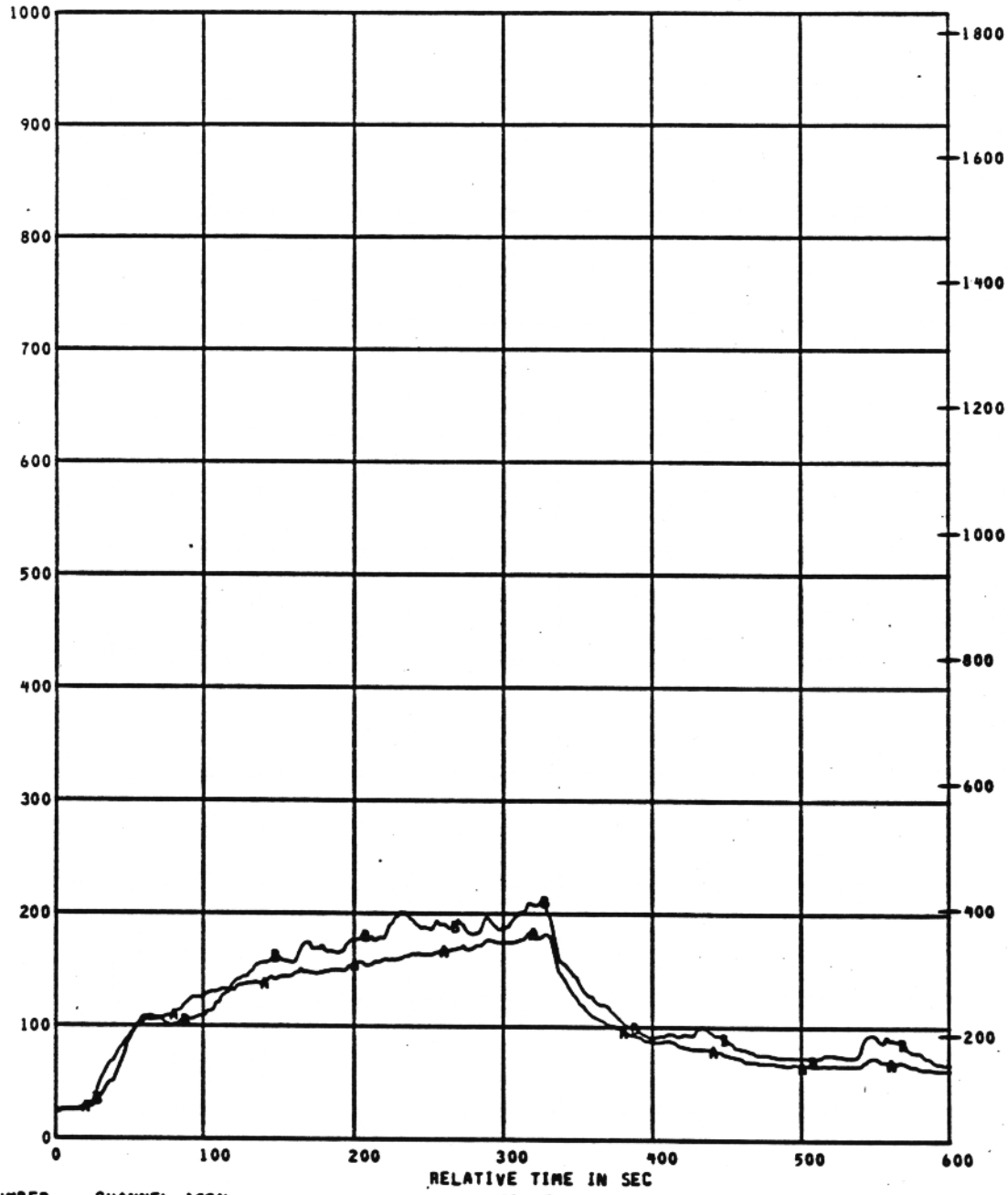
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 11 05 00.000



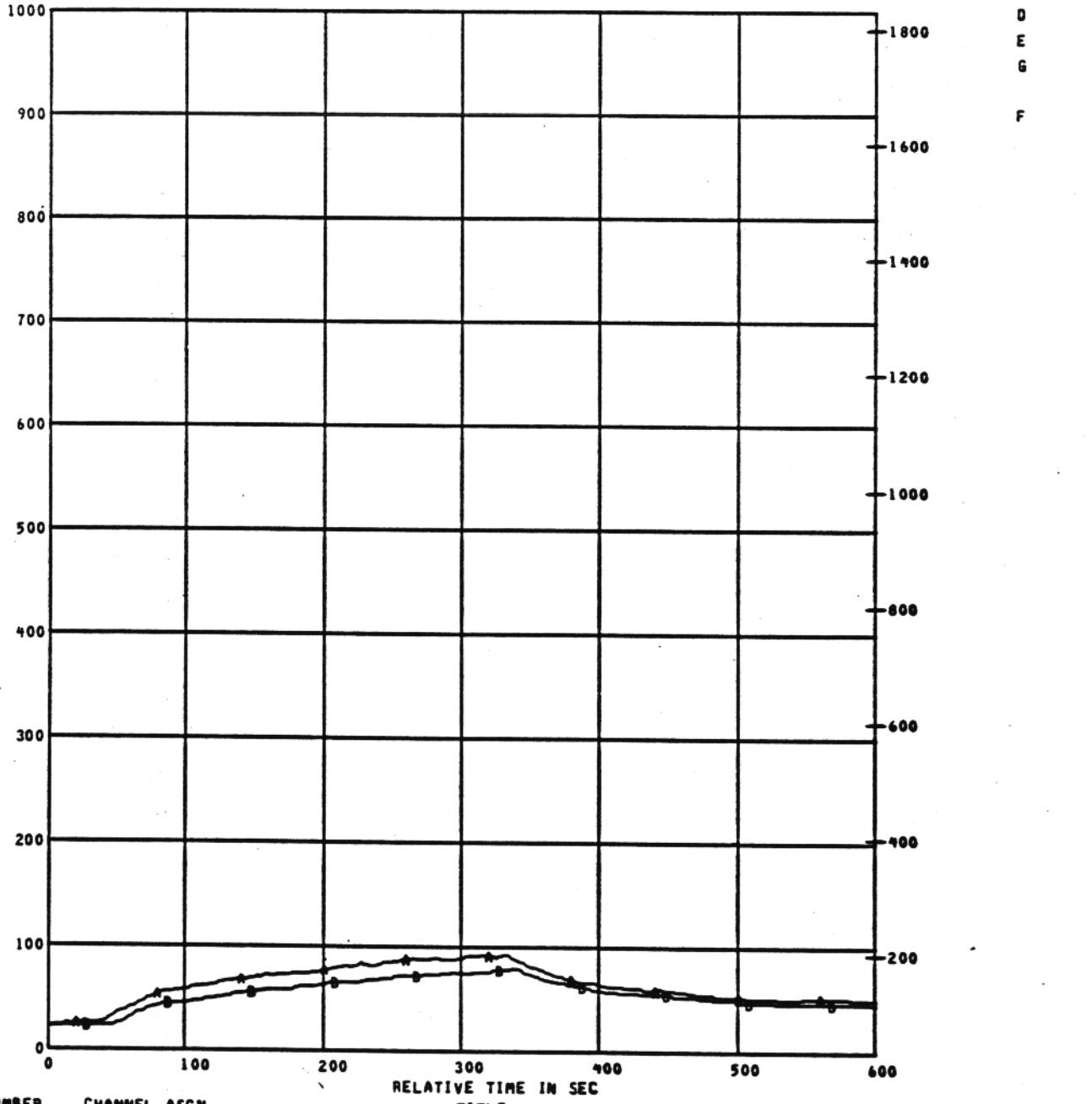
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 11 05 00.000



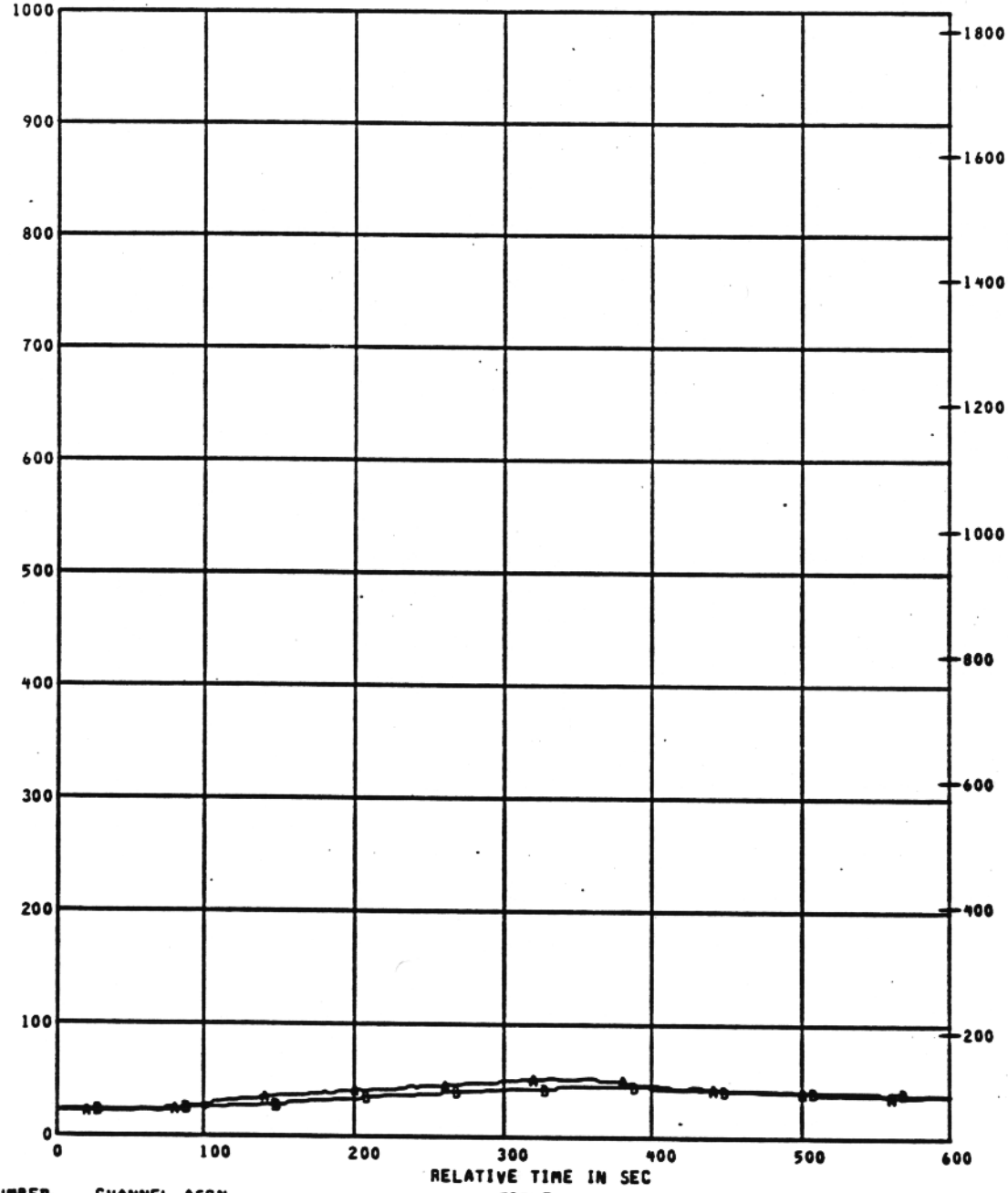
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 11 05 00.000



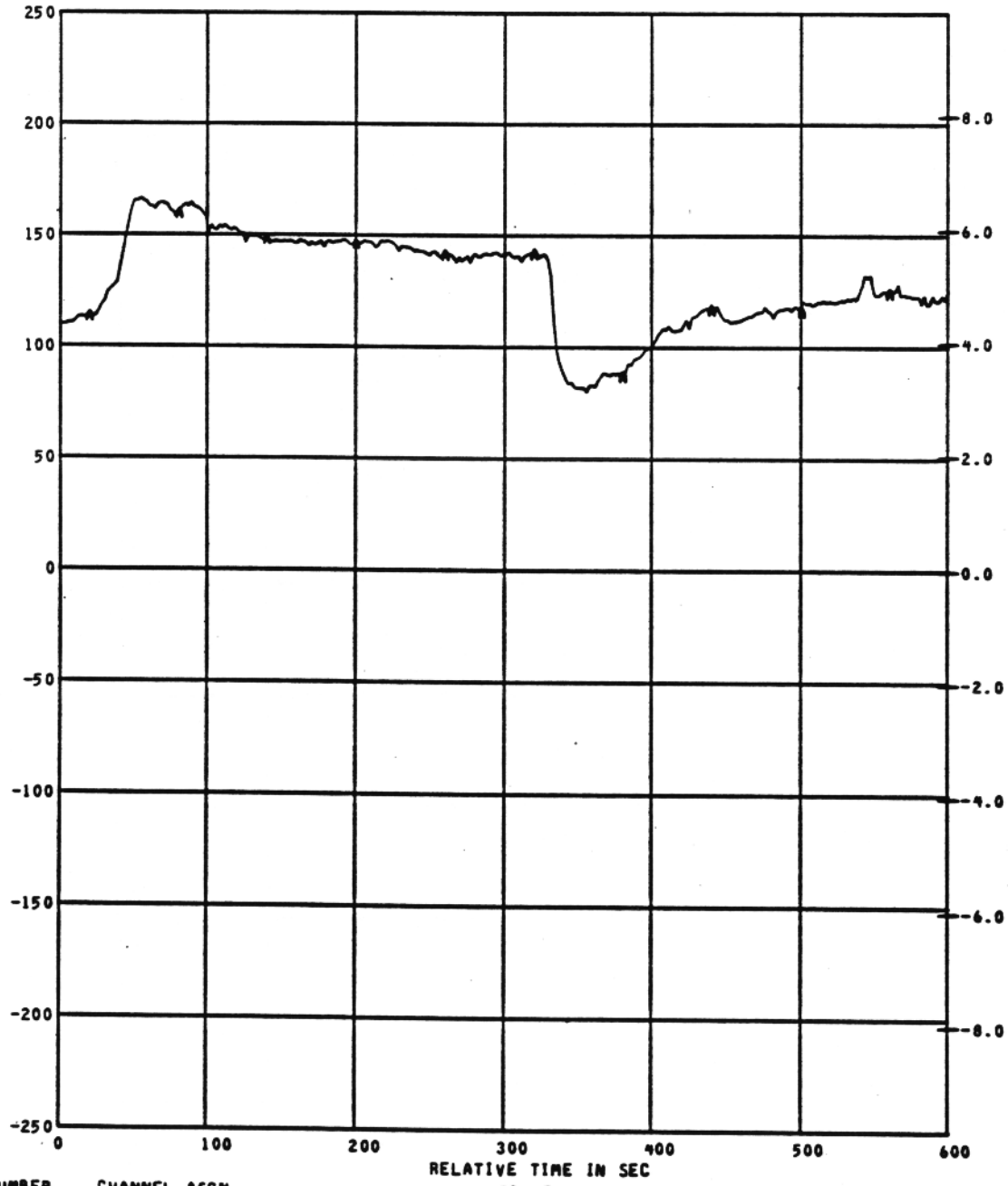
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 11 05 00.000



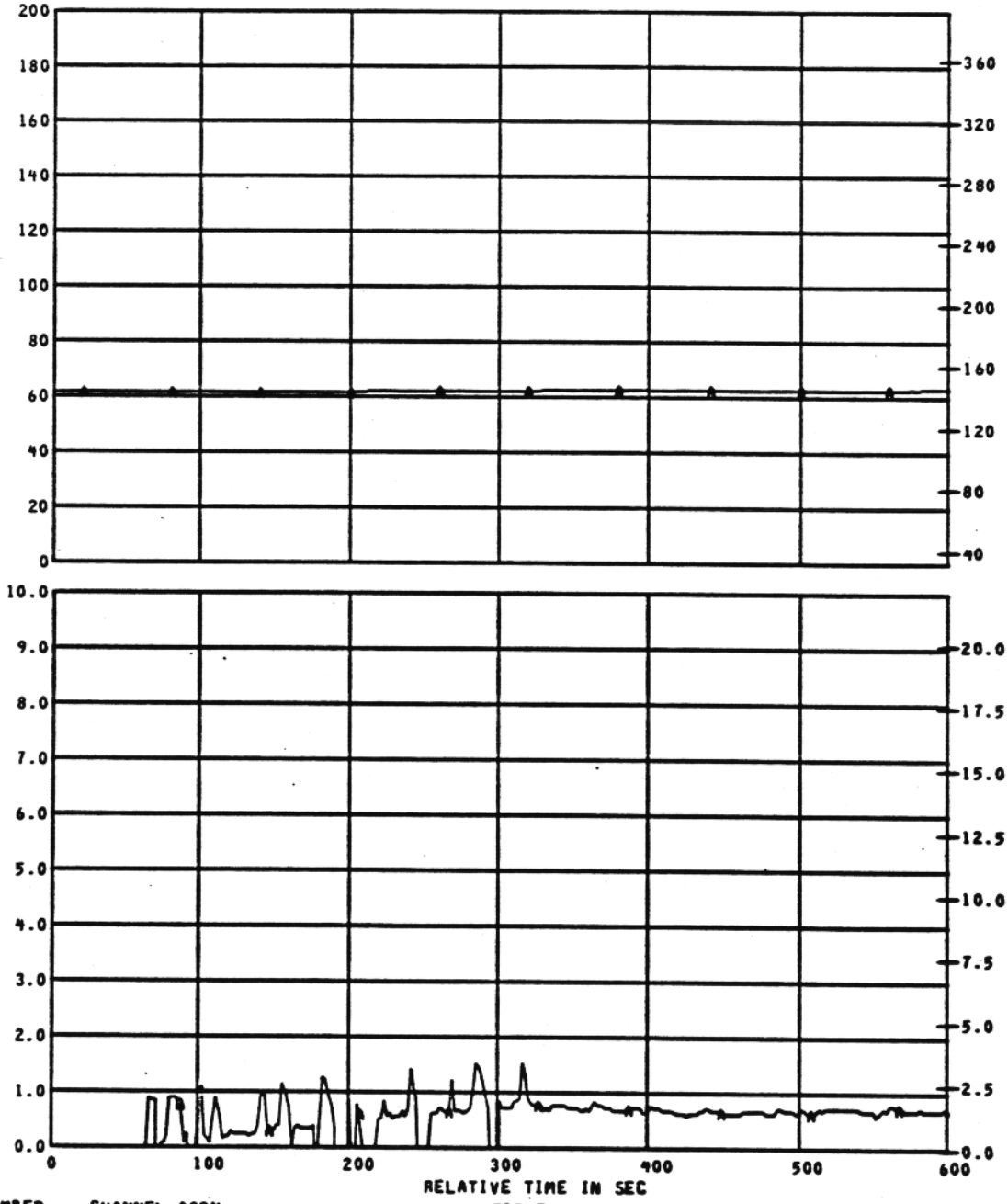
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 11 05 00.000



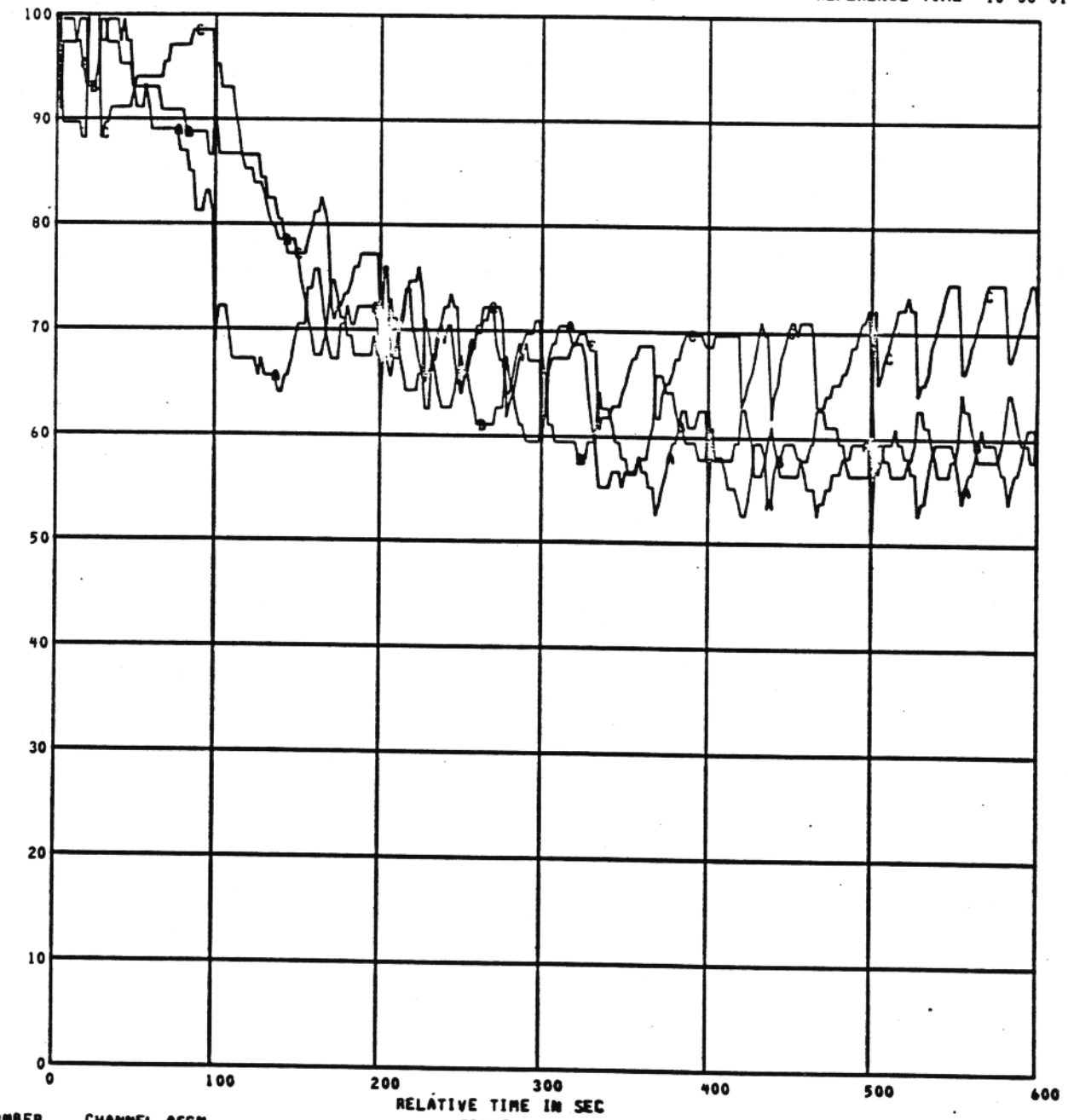
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H2O	AA

TEST ID NASA5 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 11 05 00.000



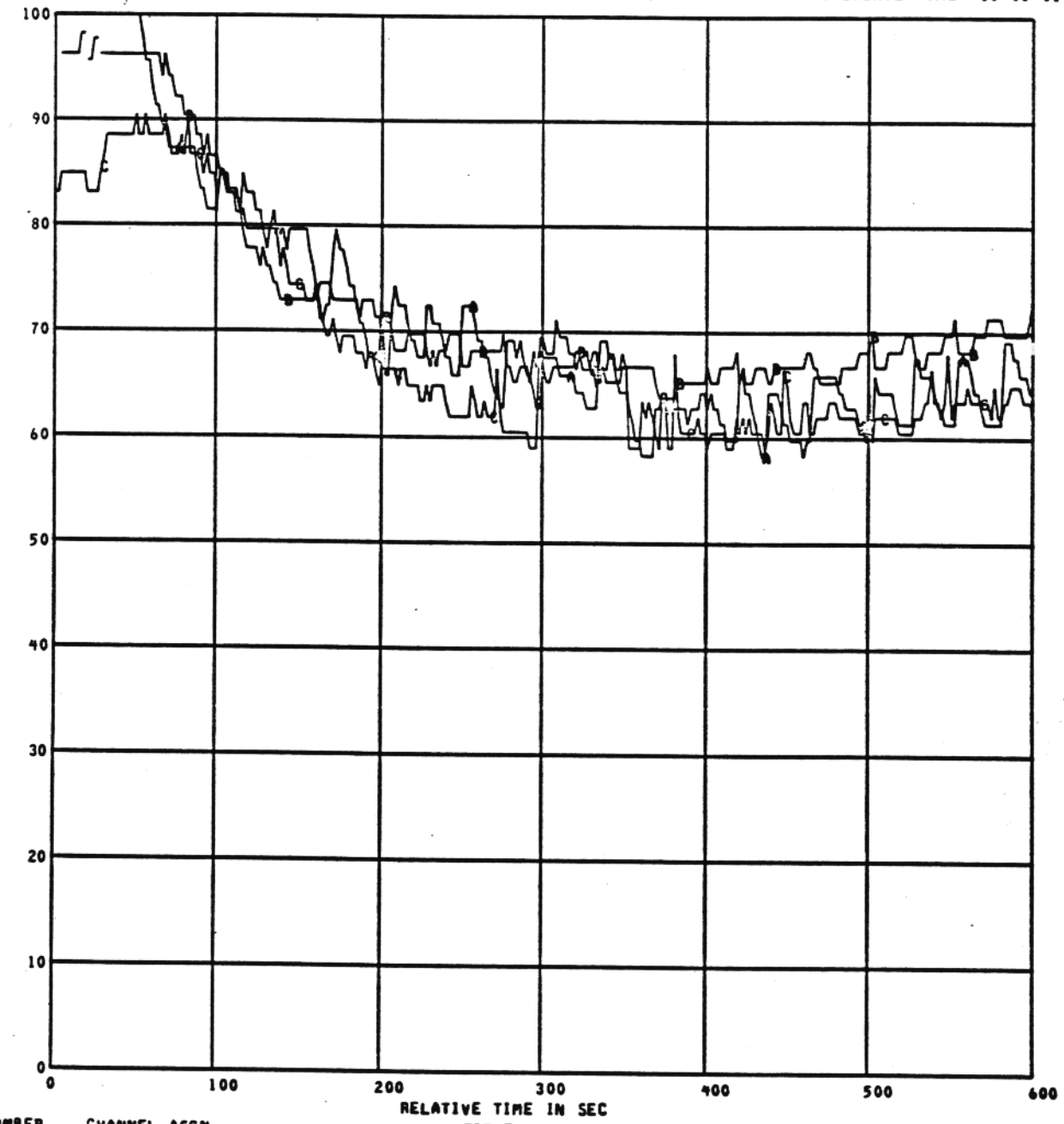
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 10 00 01.000



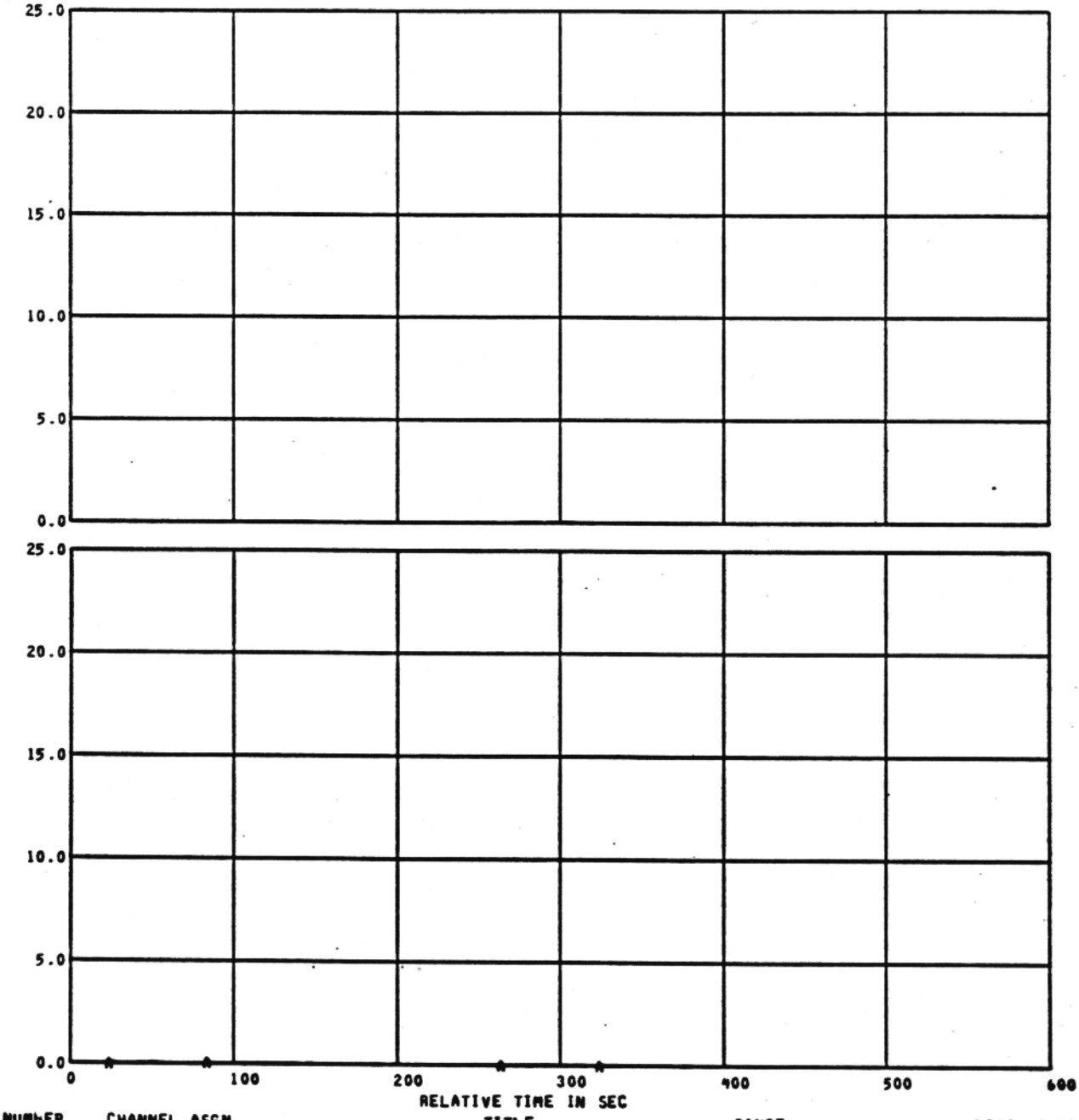
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 10 00 01.000



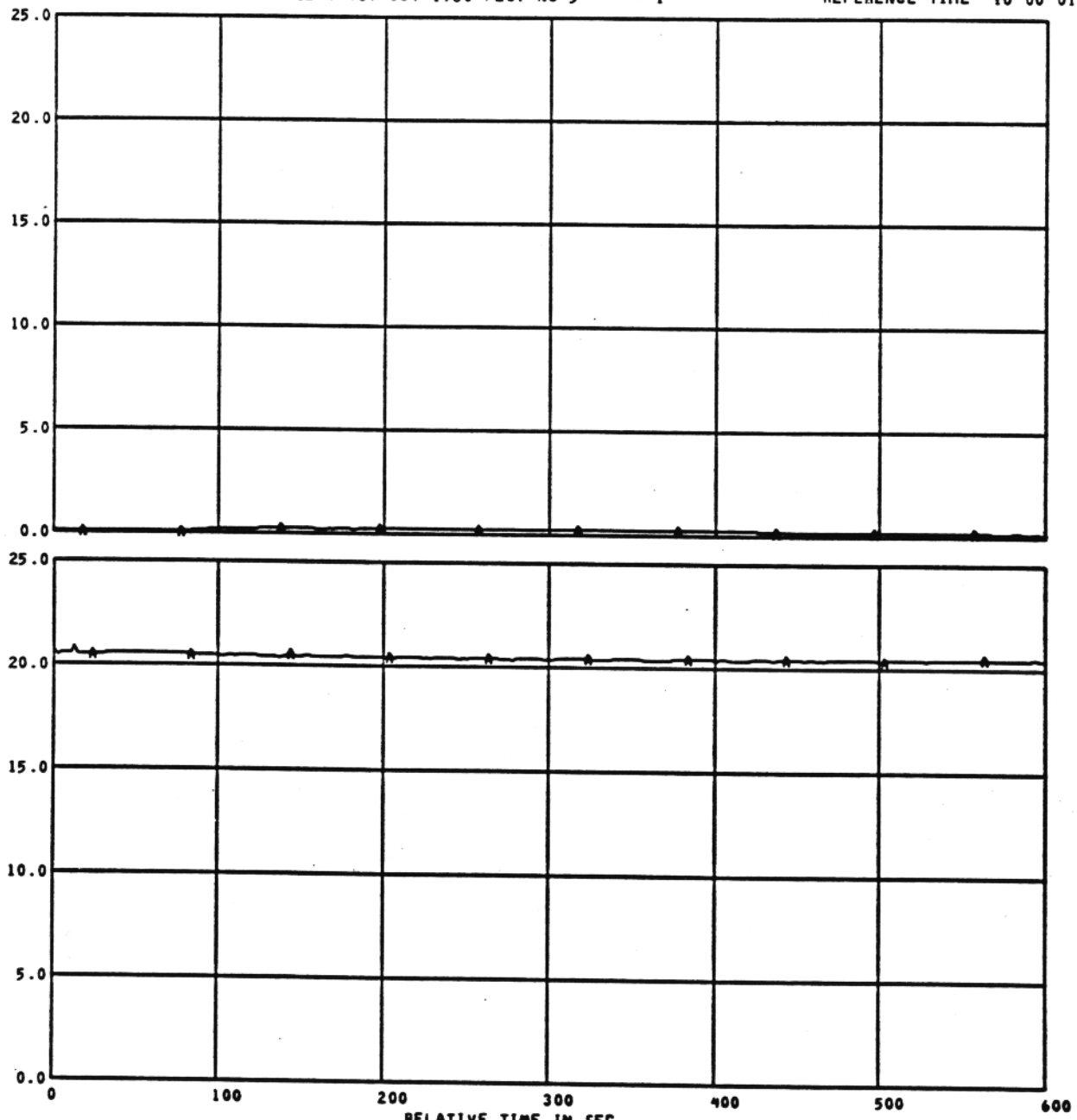
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 10 00 01.000



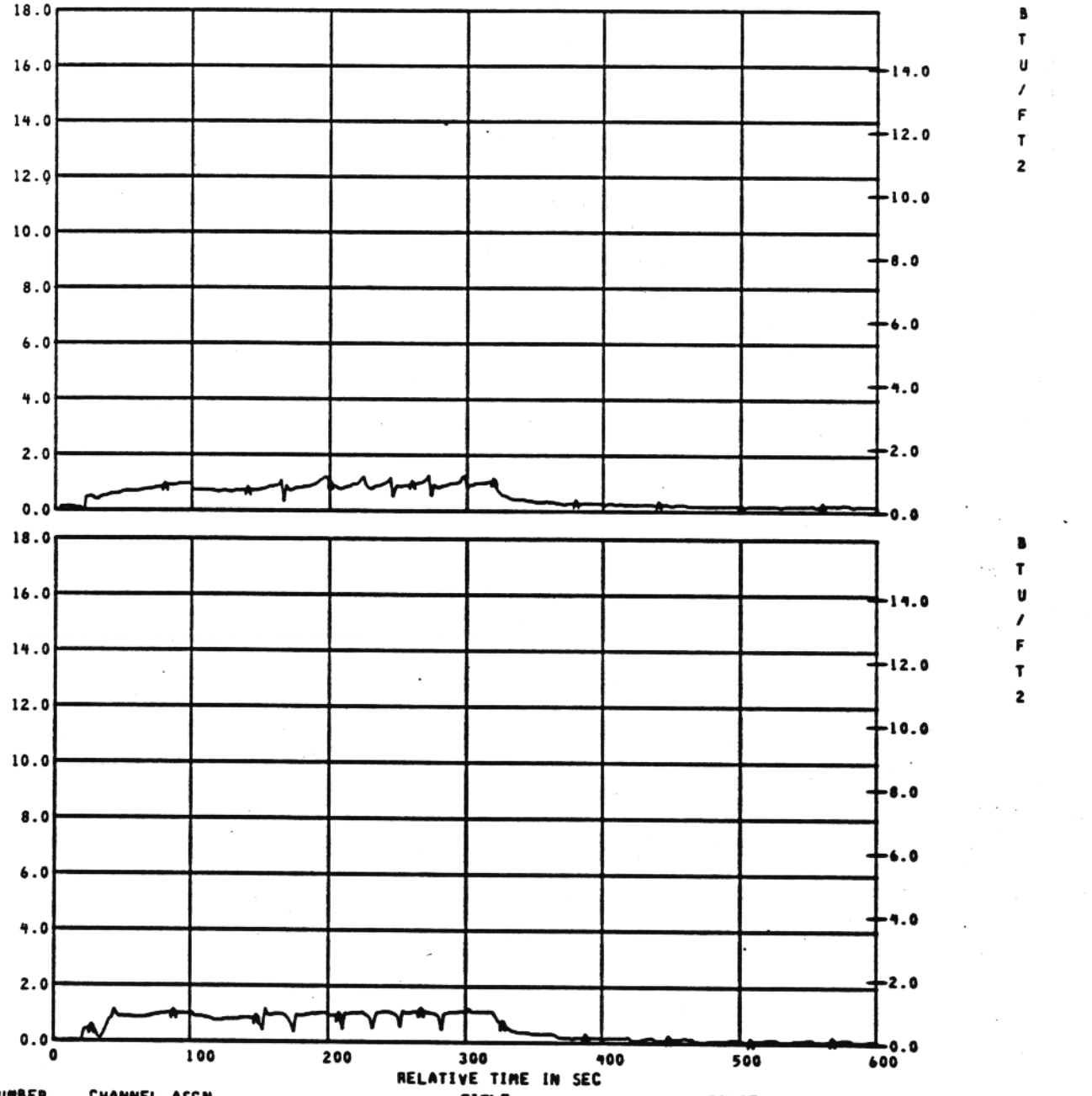
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 10 00 01.000



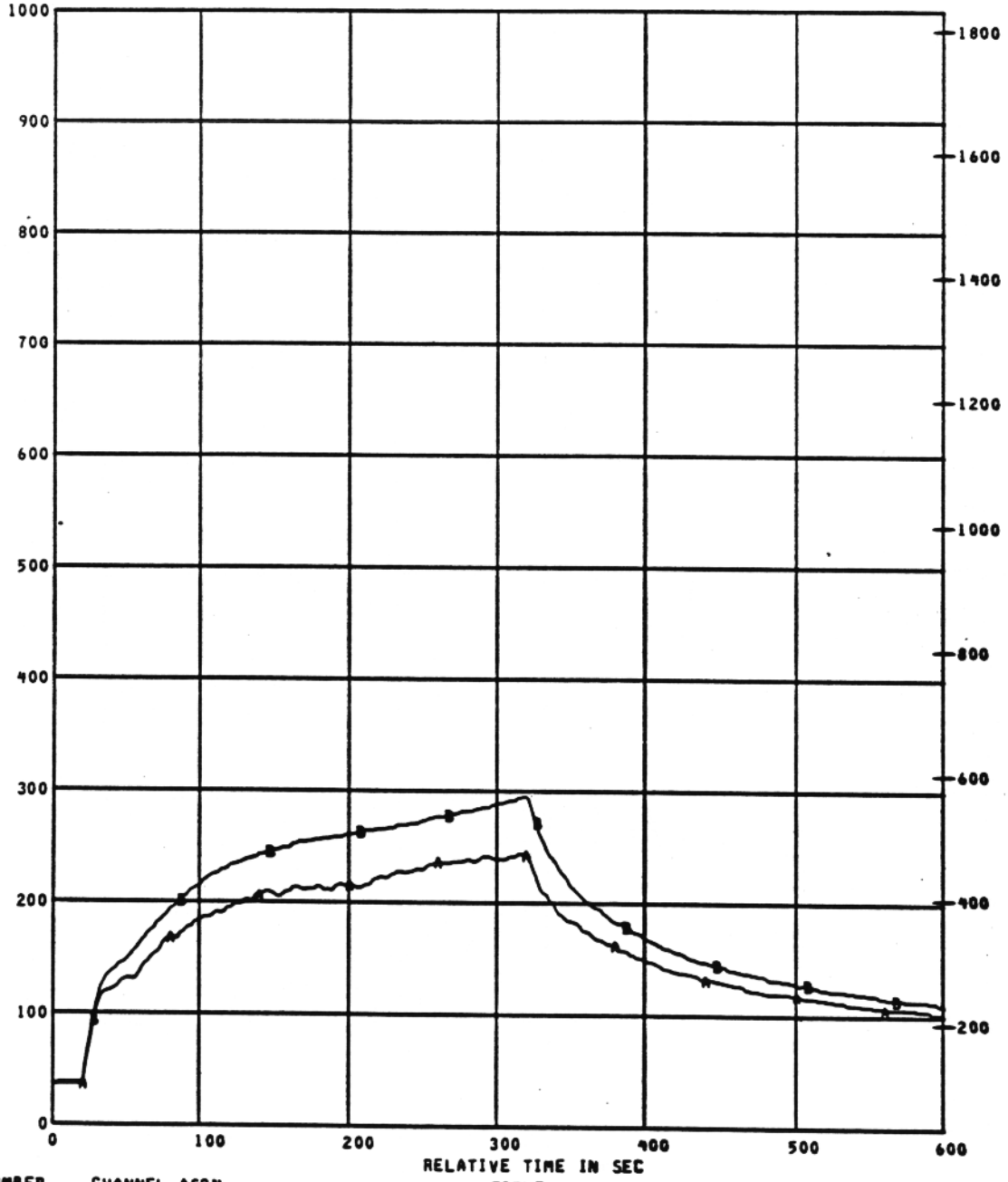
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 10 00 01.000



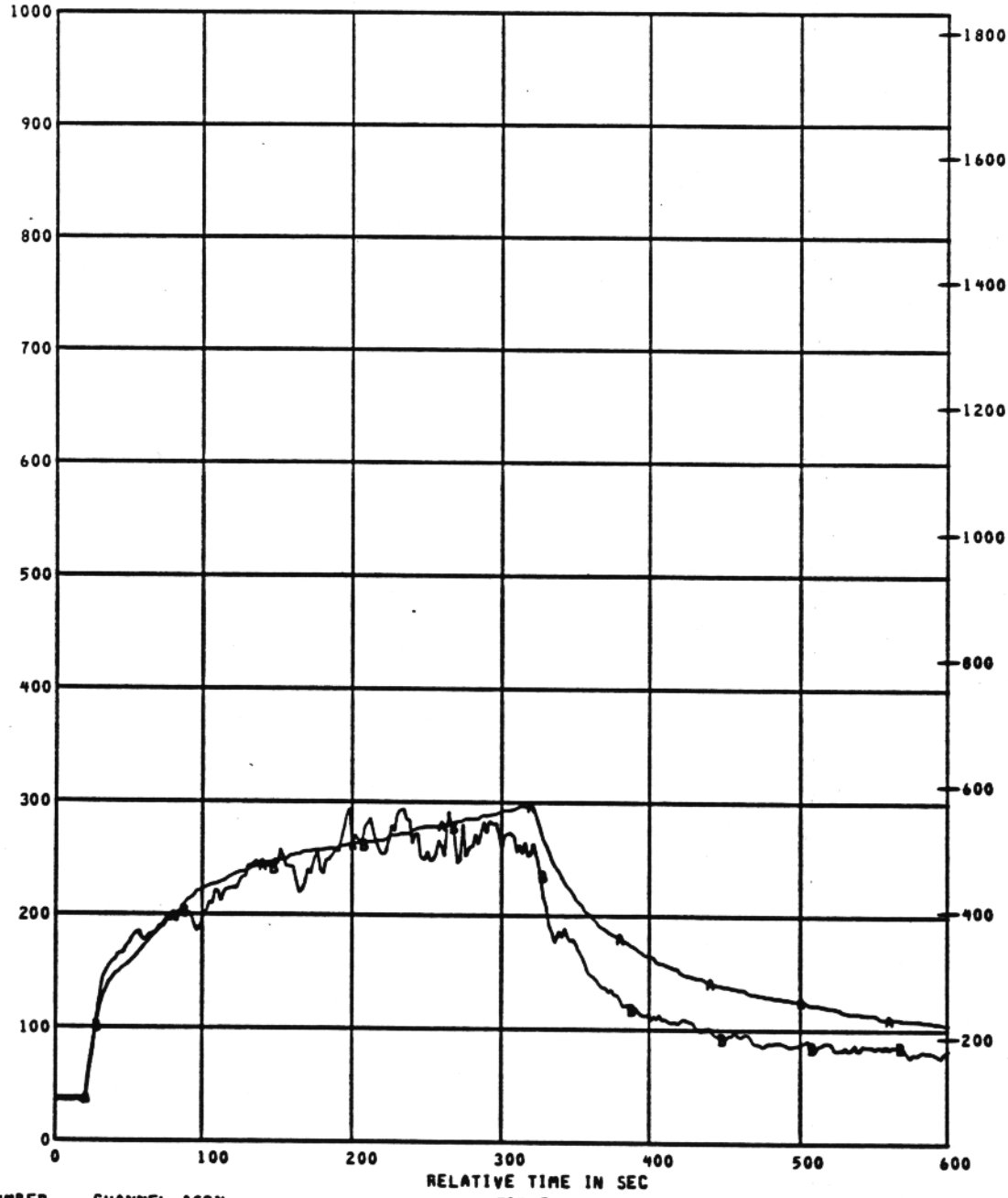
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 10 00 01.000



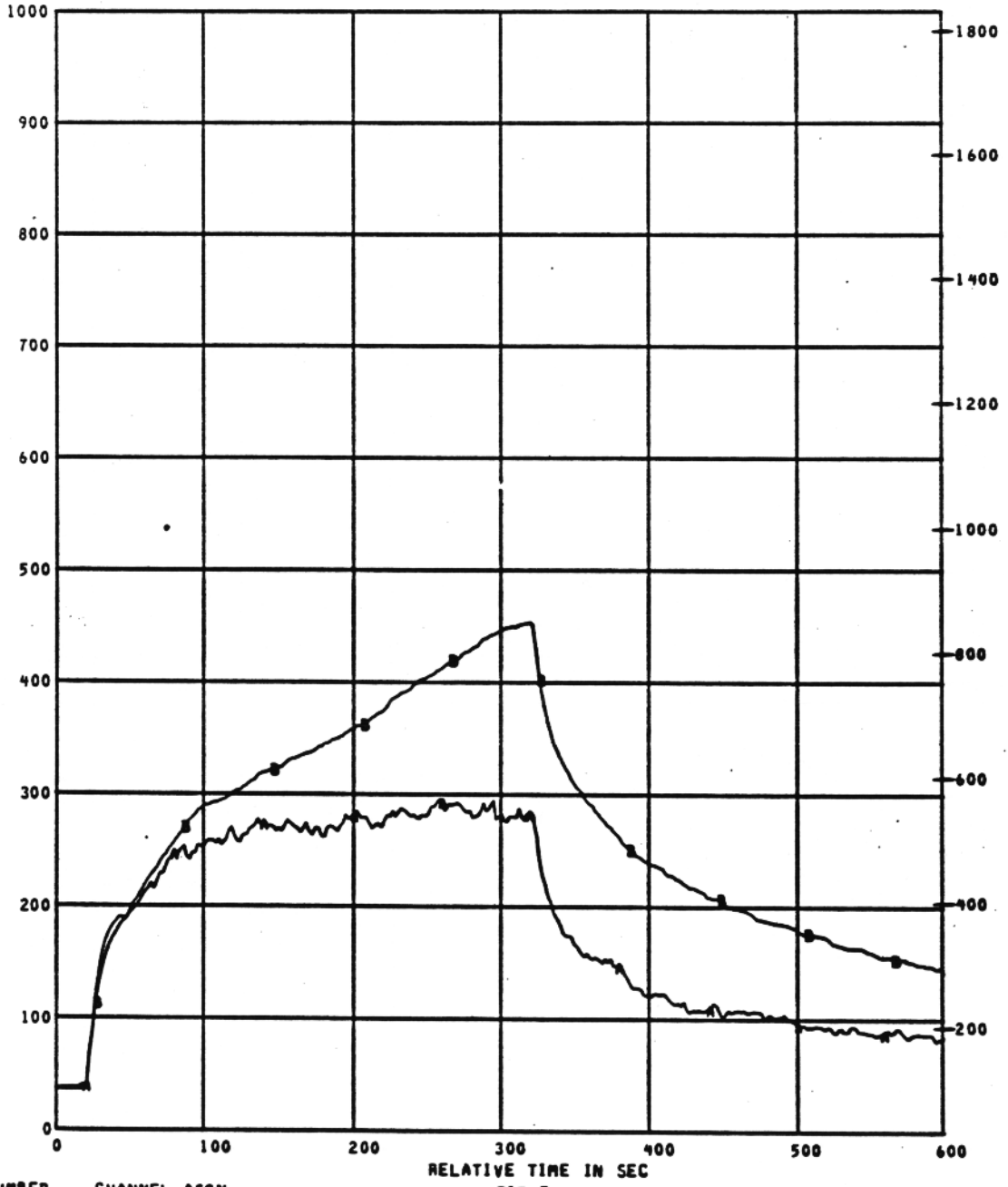
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 10 00 01.000



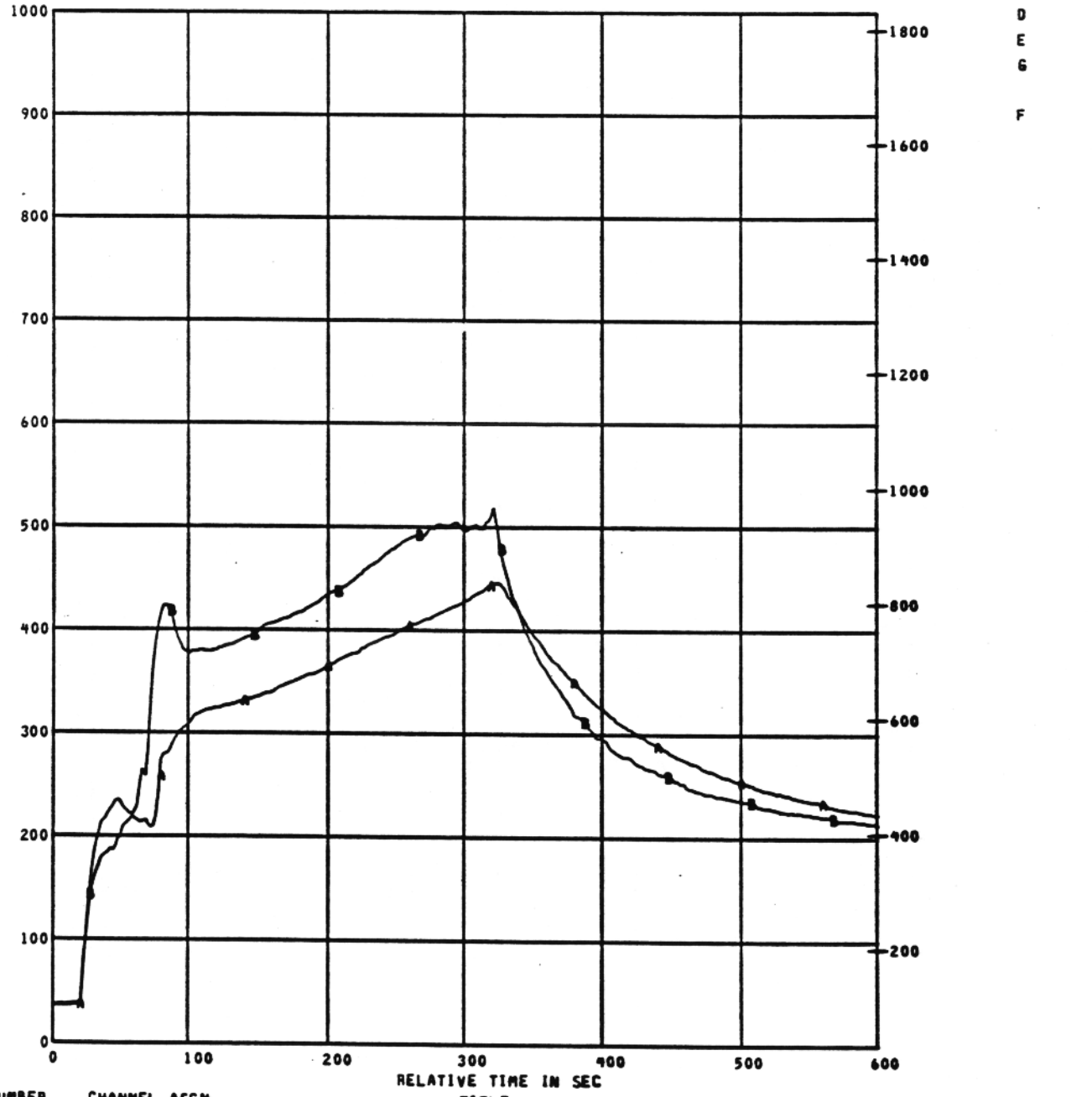
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 10 00 01.000



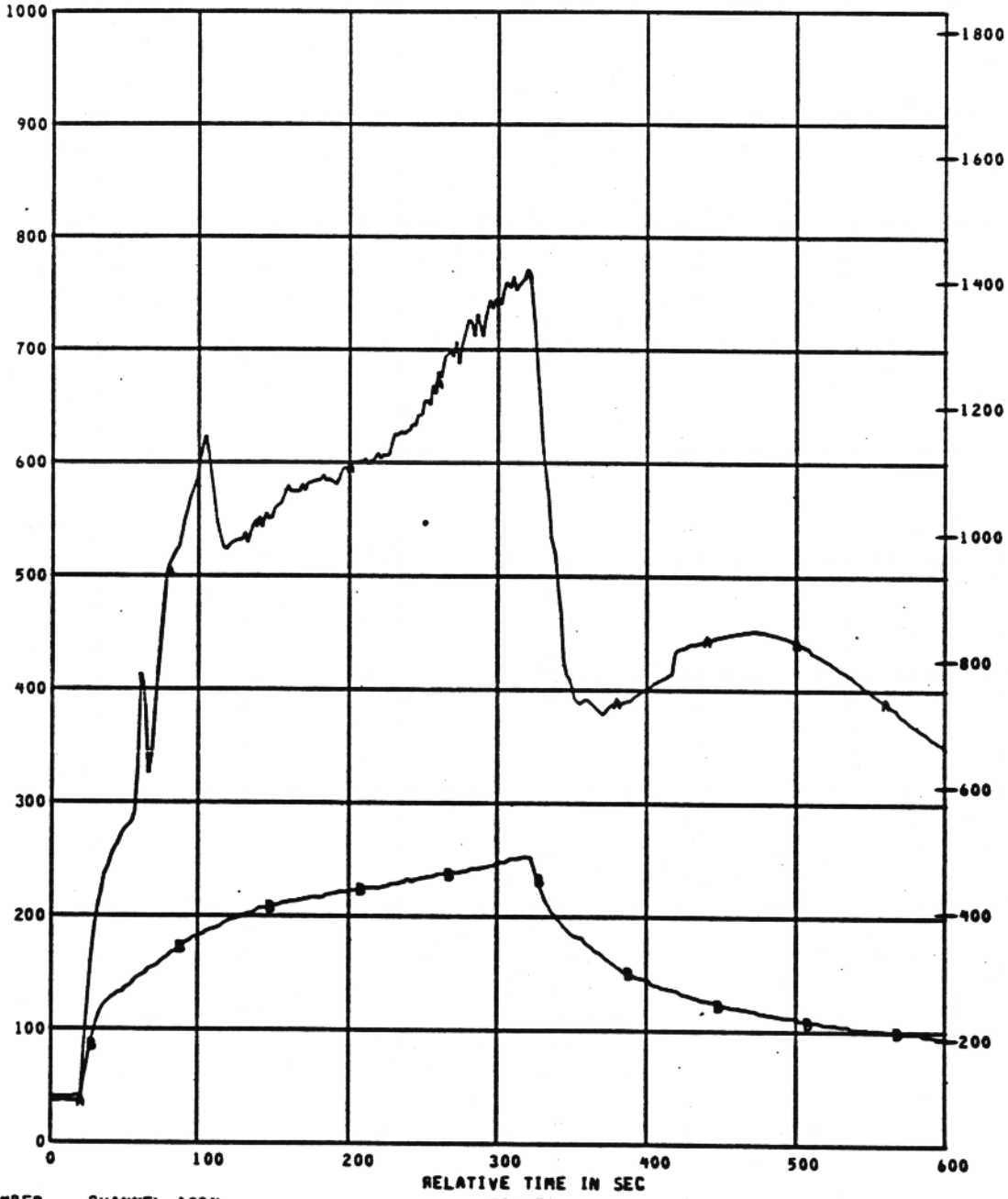
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 10 00 01.000



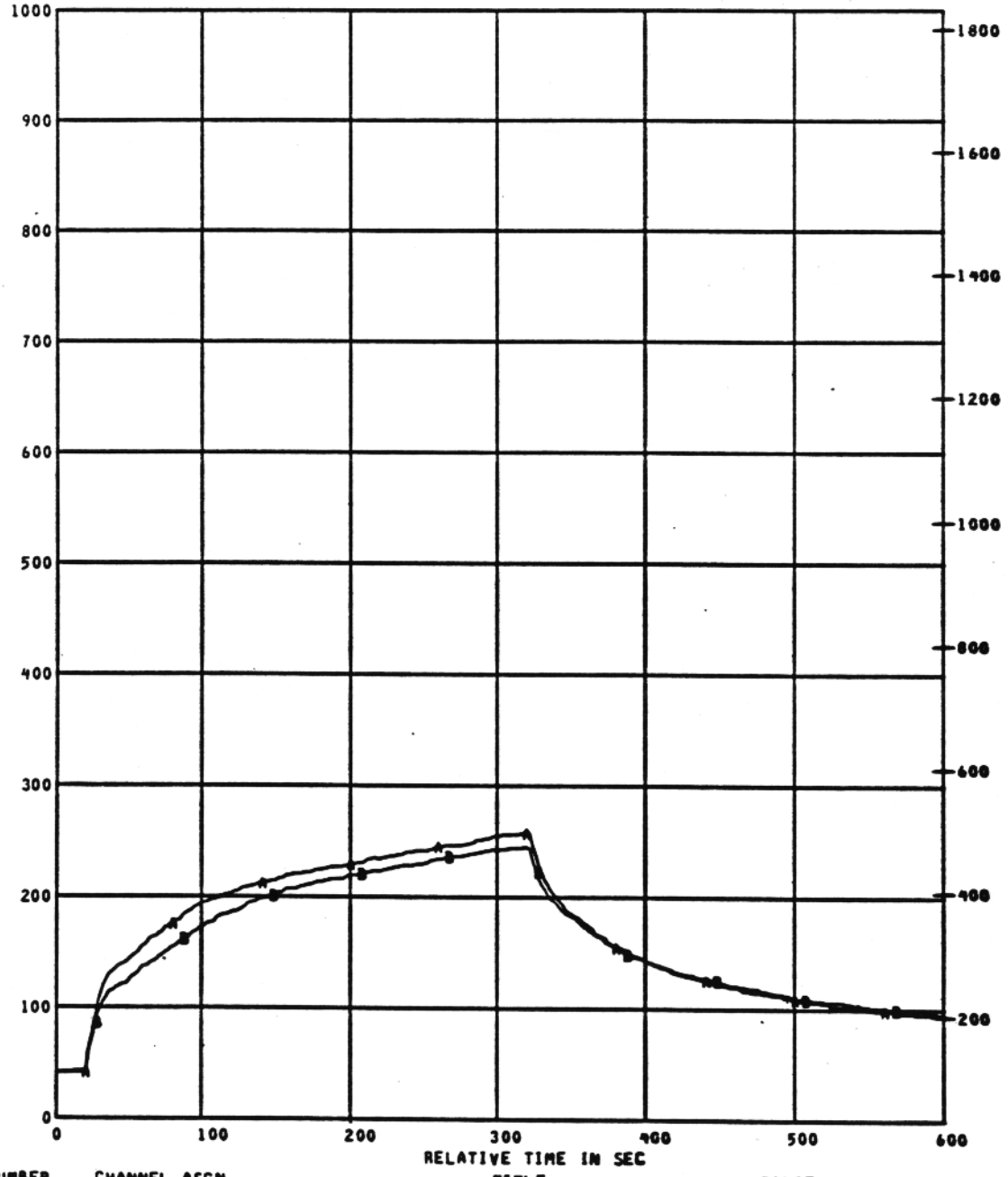
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 10 00 01.000



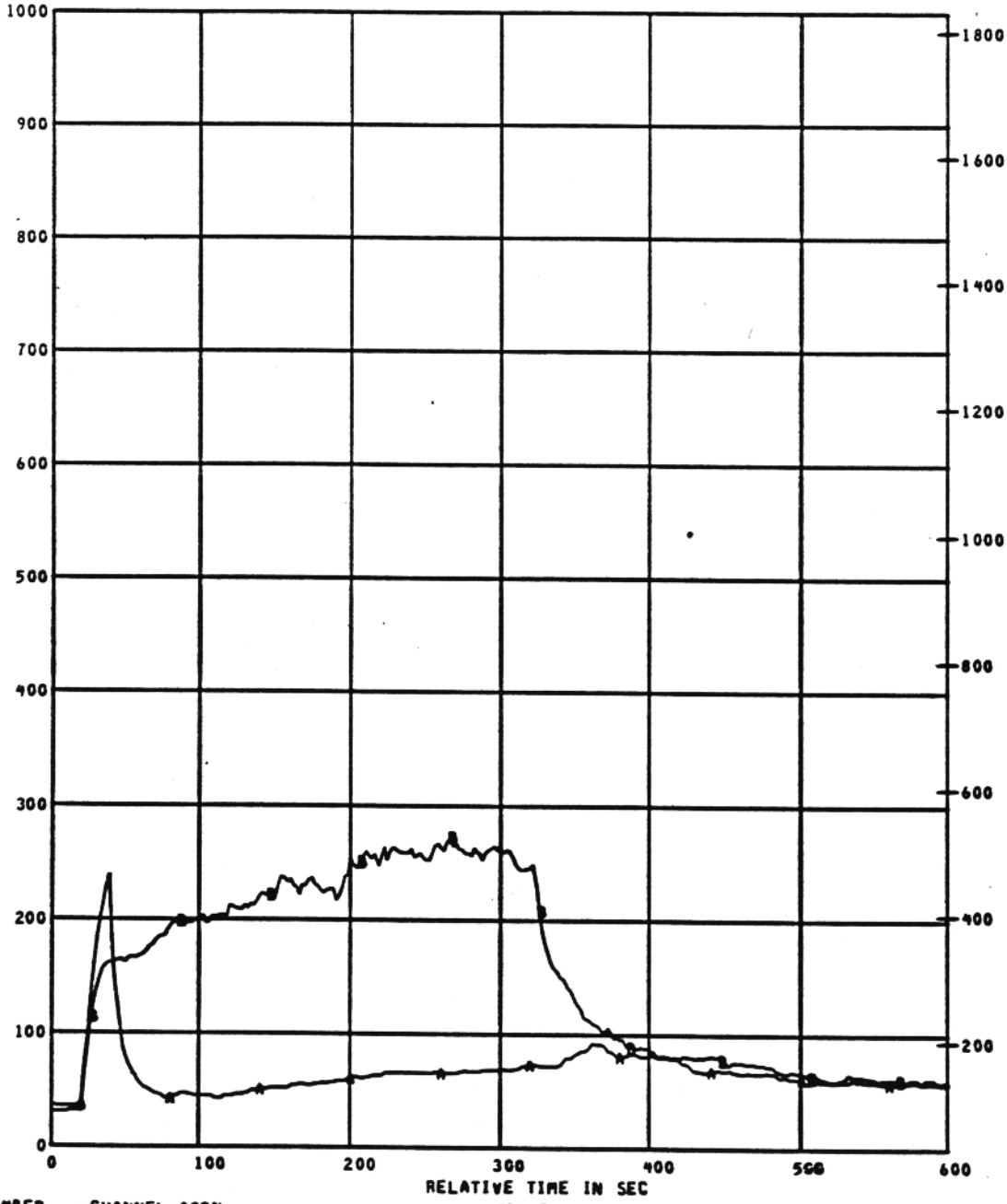
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 10 00 01.000



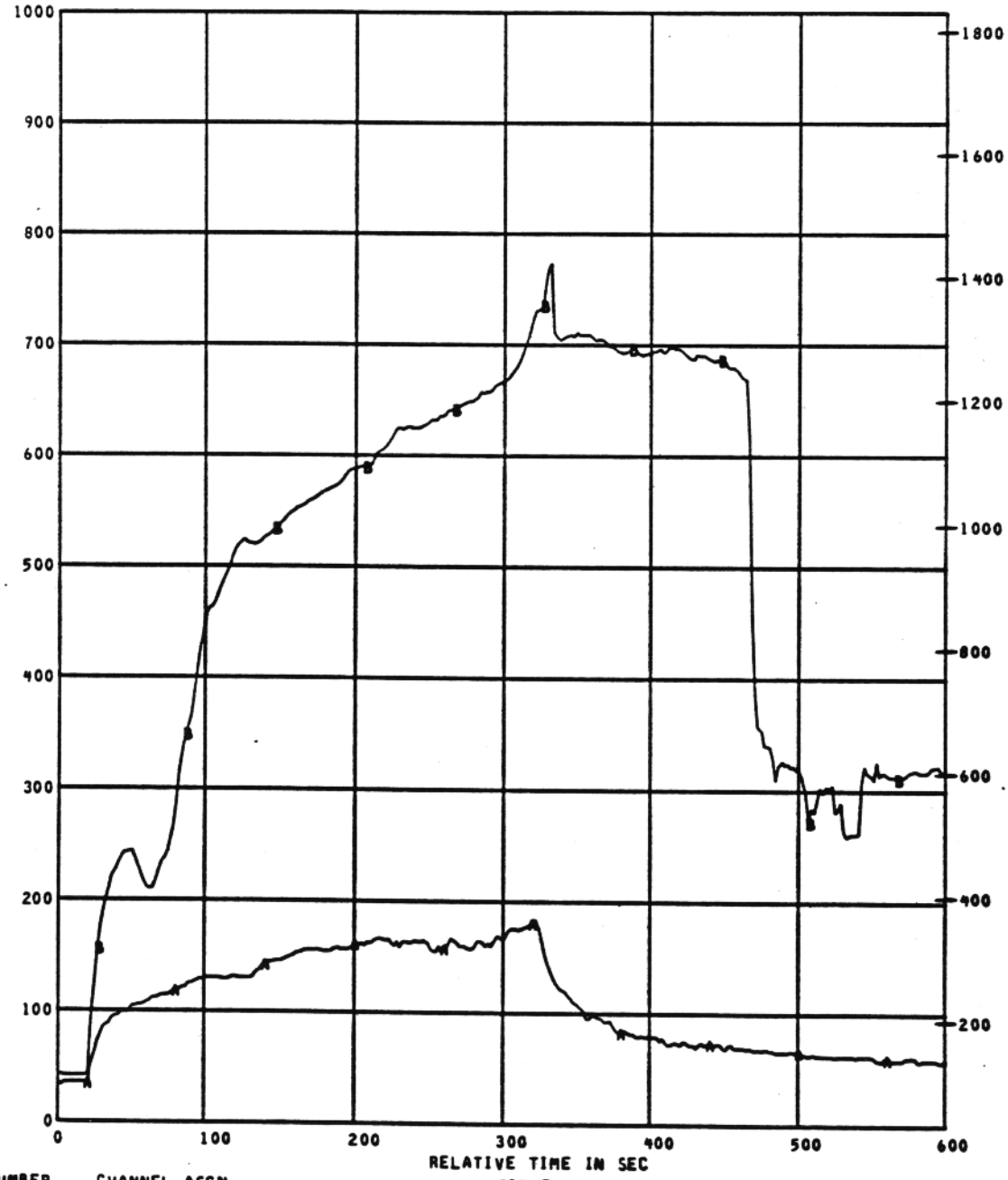
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 10 00 01.000



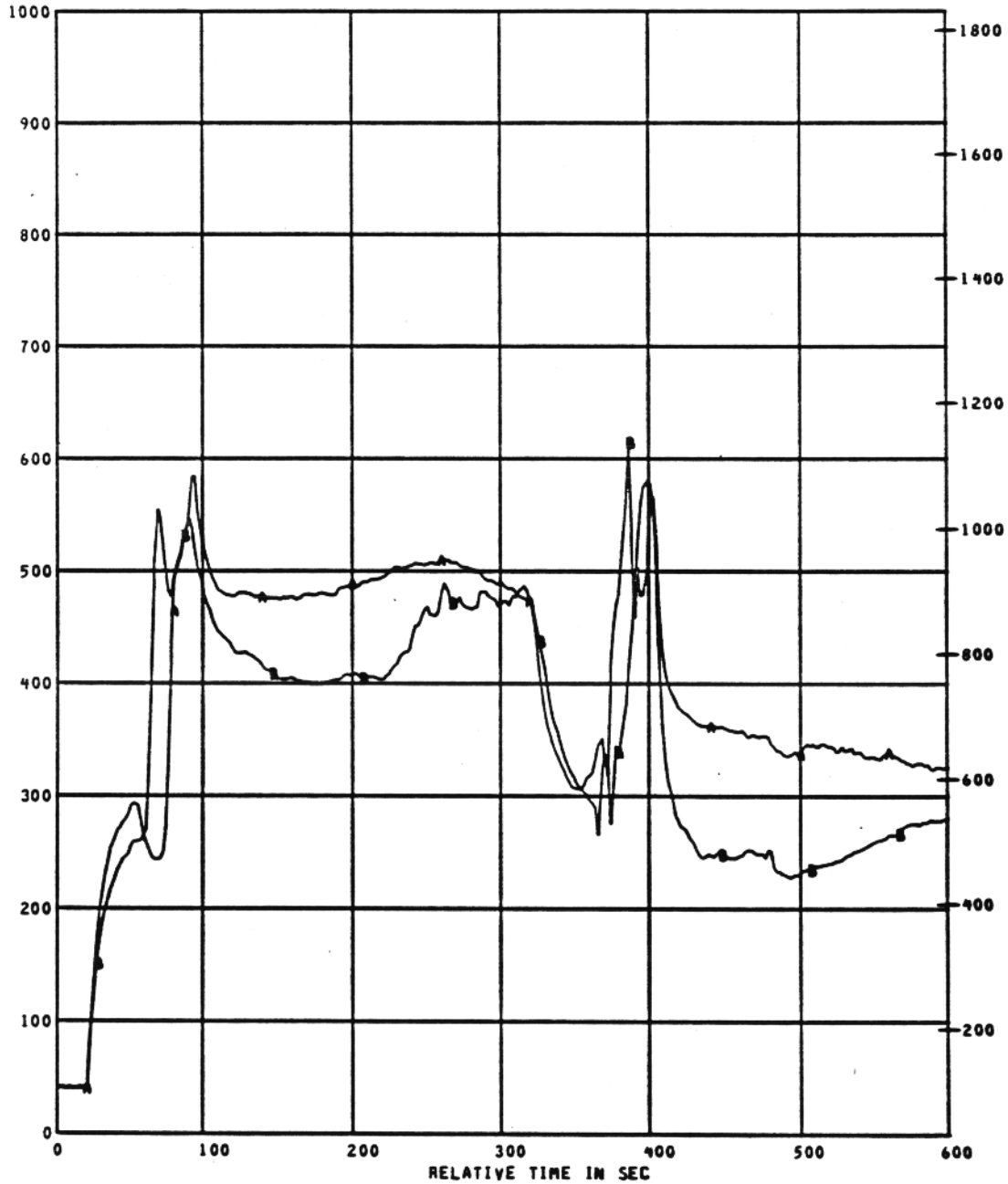
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1600	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1600	DEG C	AB

TEST ID NAS46 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 10 00 01.000



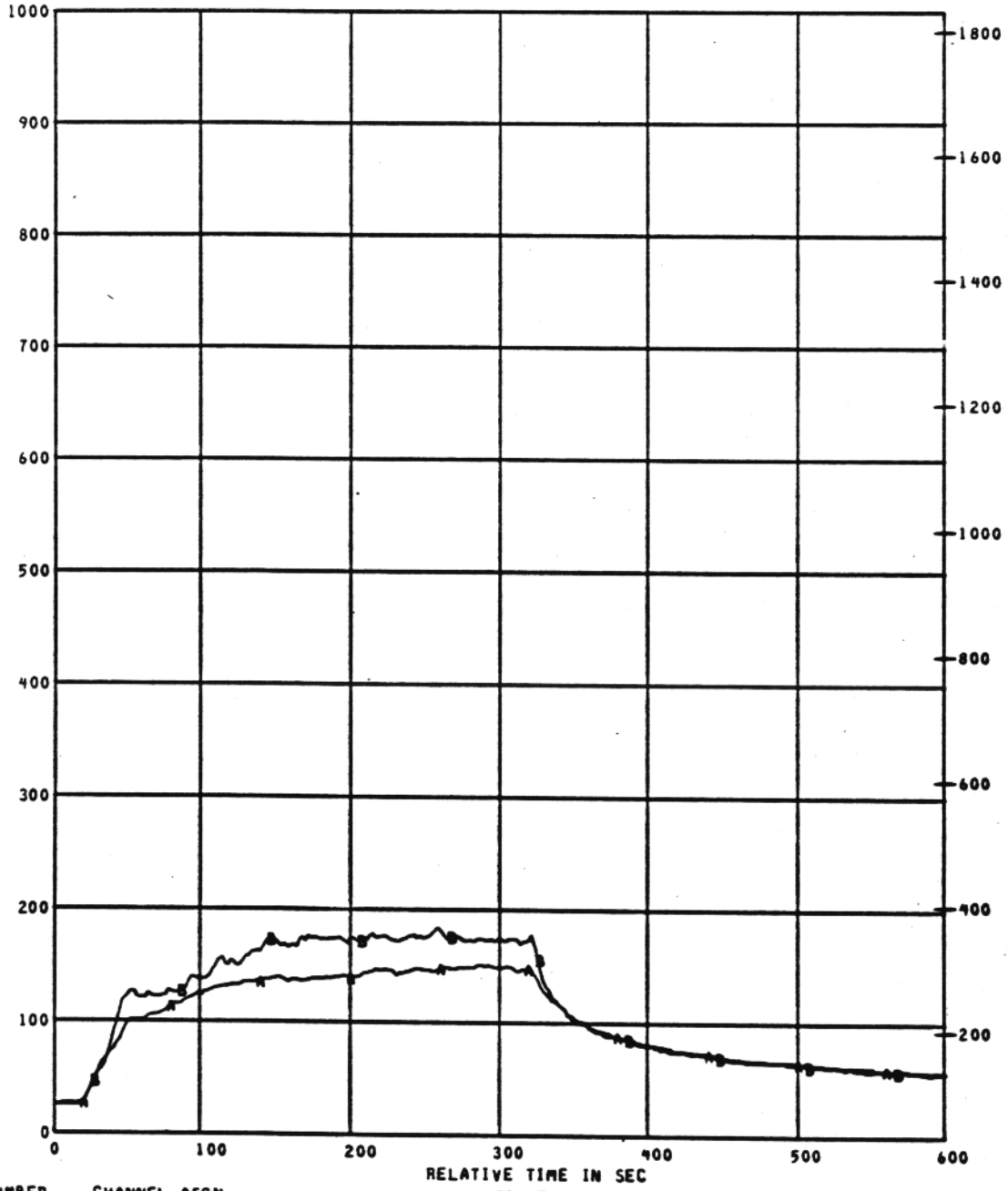
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 10 00 01.000



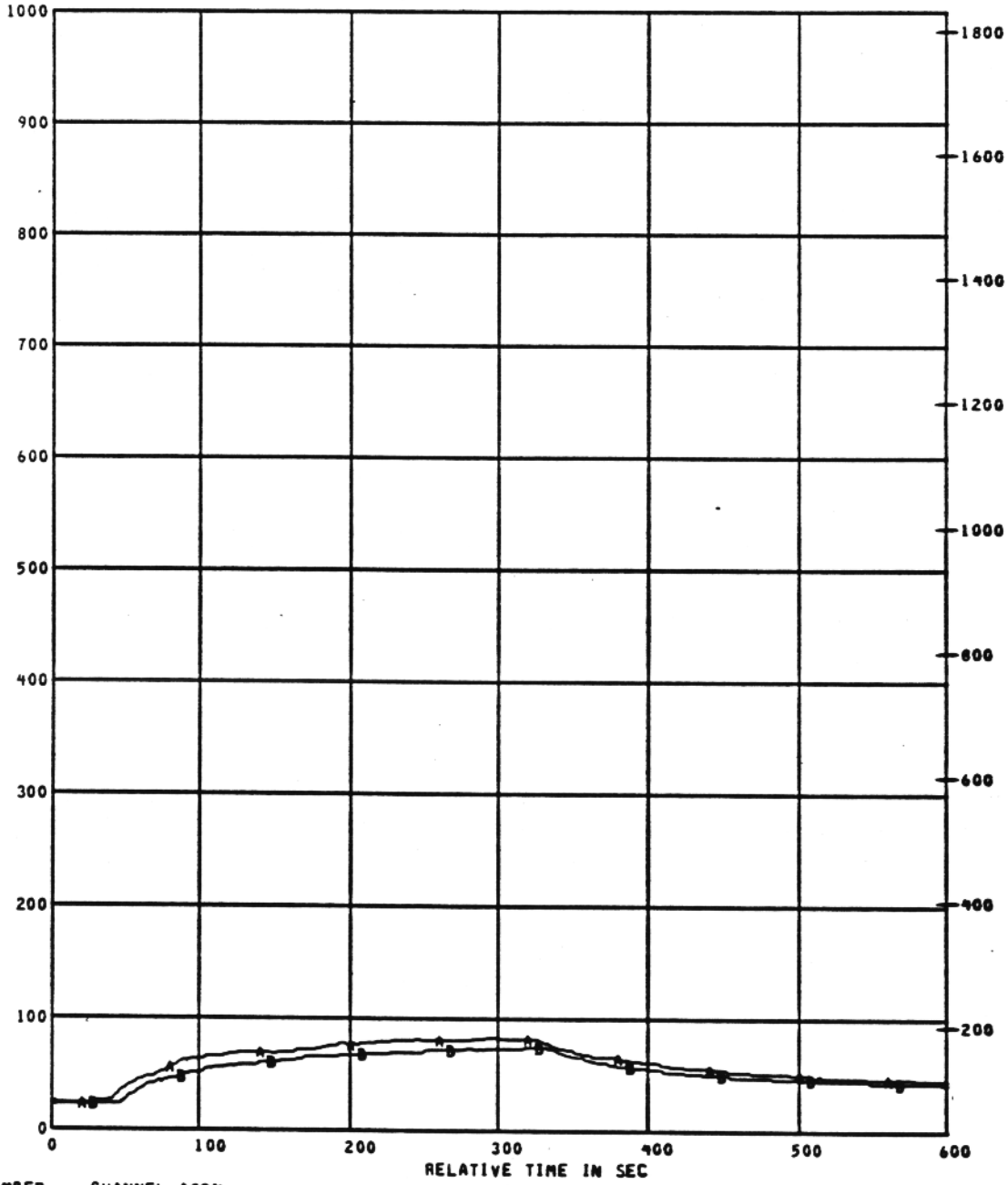
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 10 00 01.000



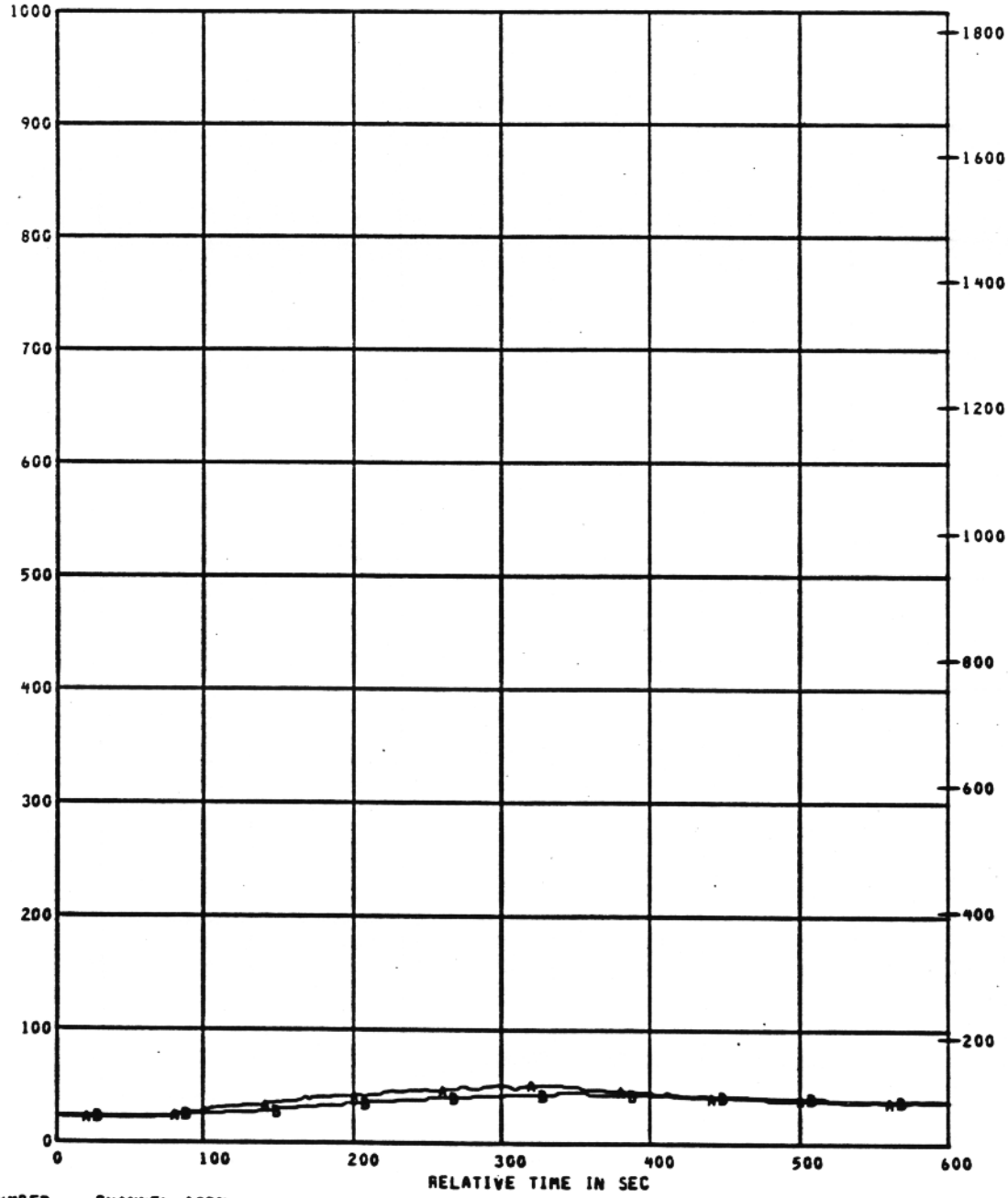
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 10 00 01.000



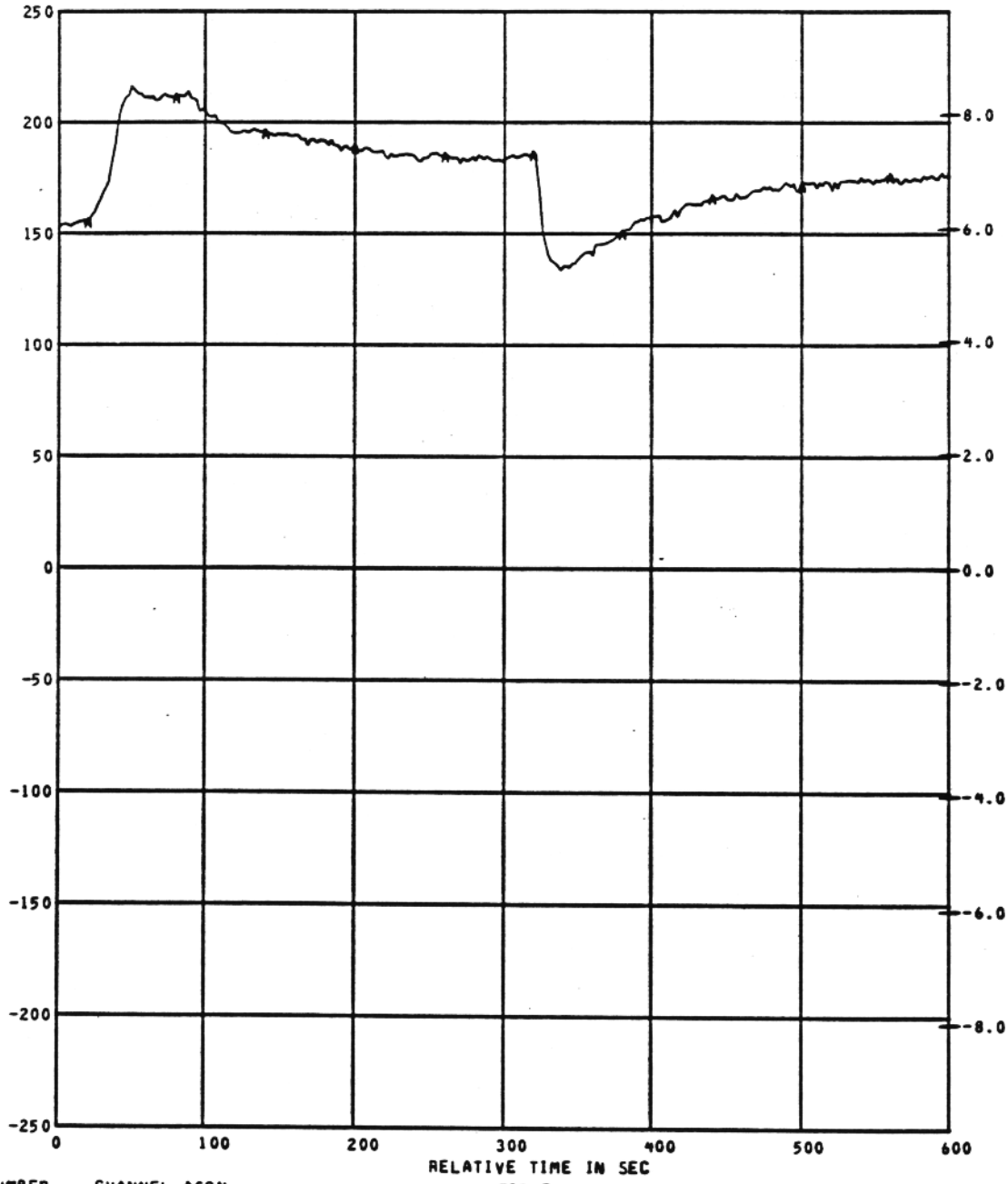
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 10 00 01.000



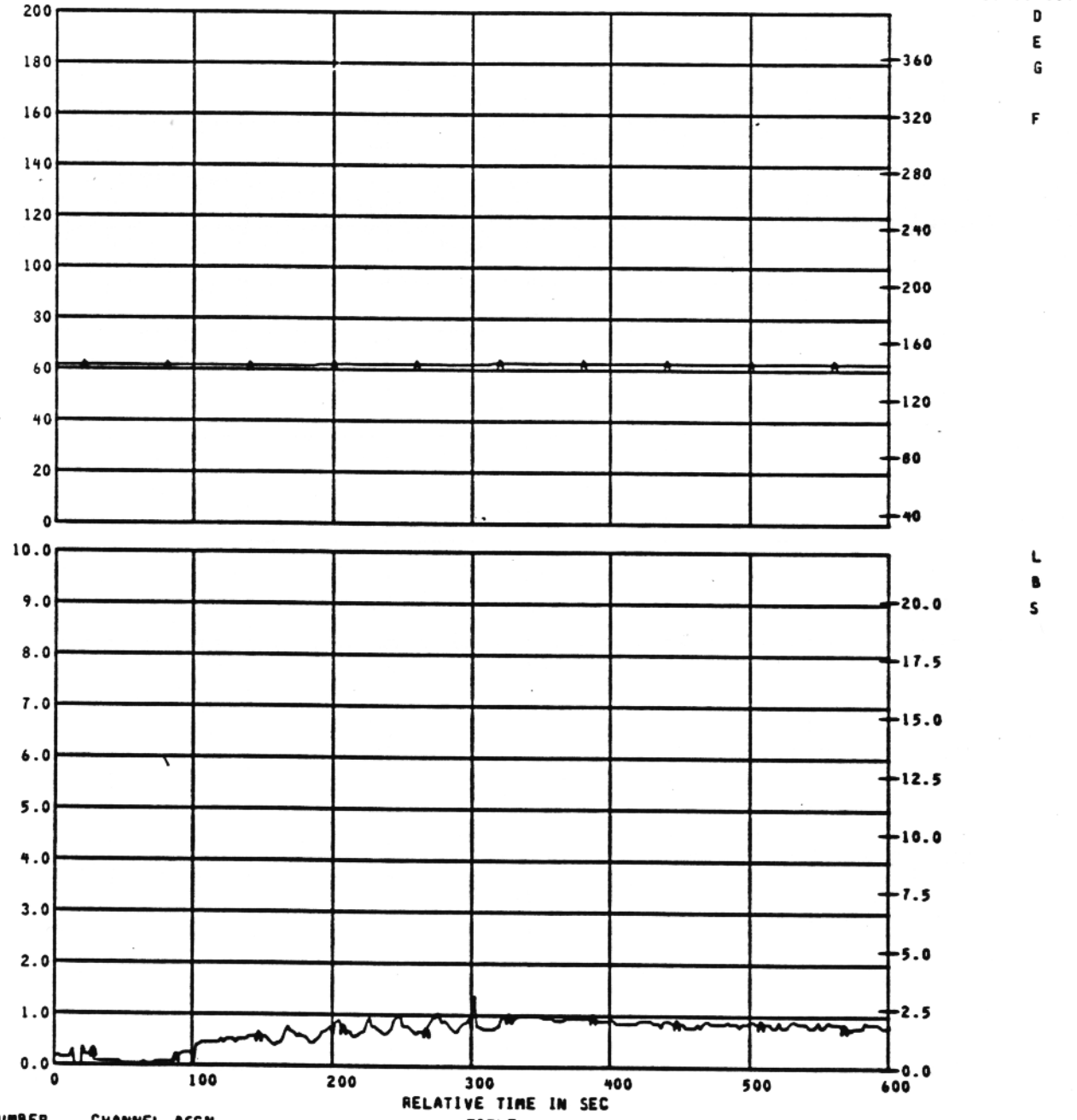
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 10 00 01.000



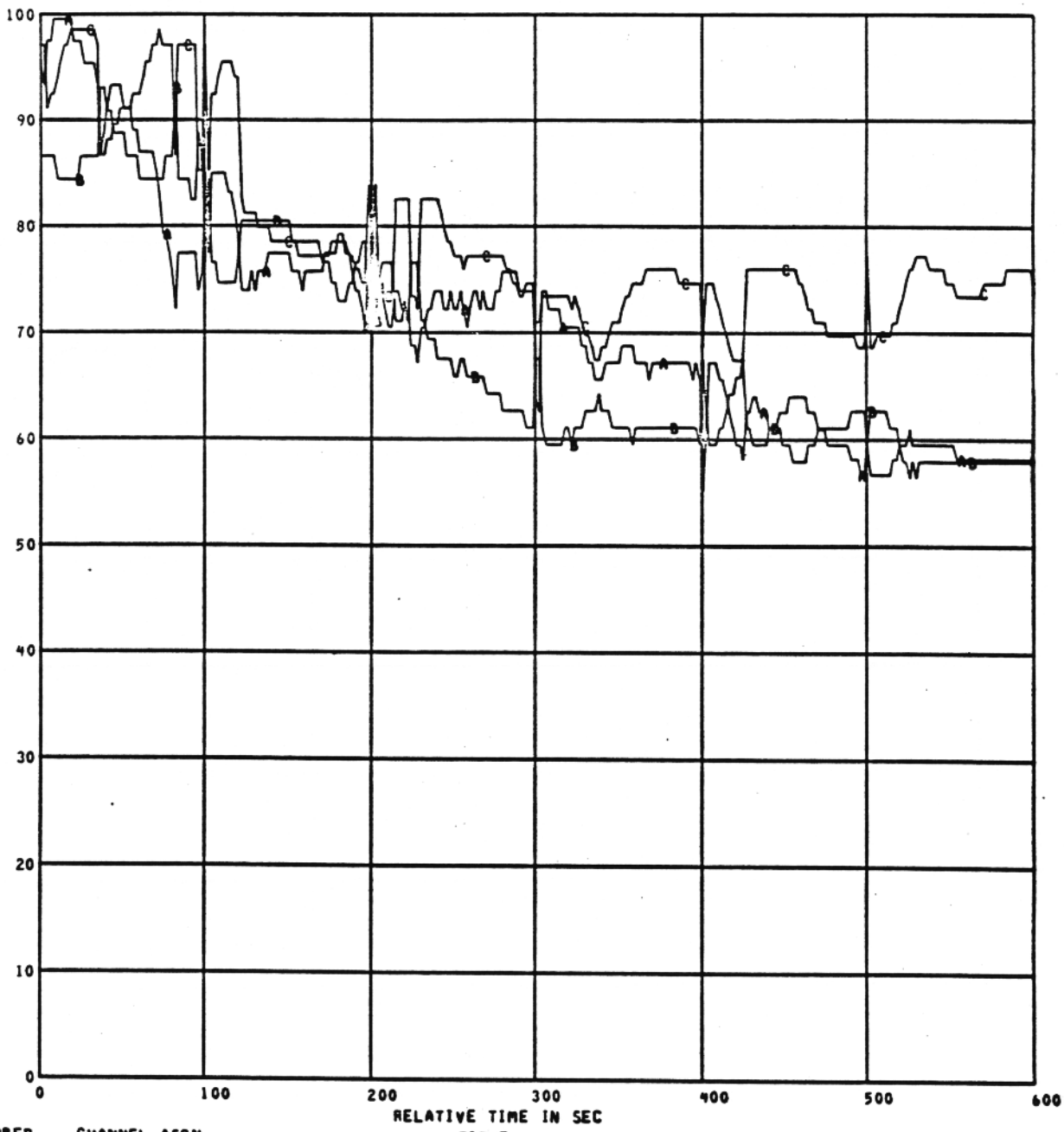
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H20	AA

TEST ID NASA6 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 10 00 01.000



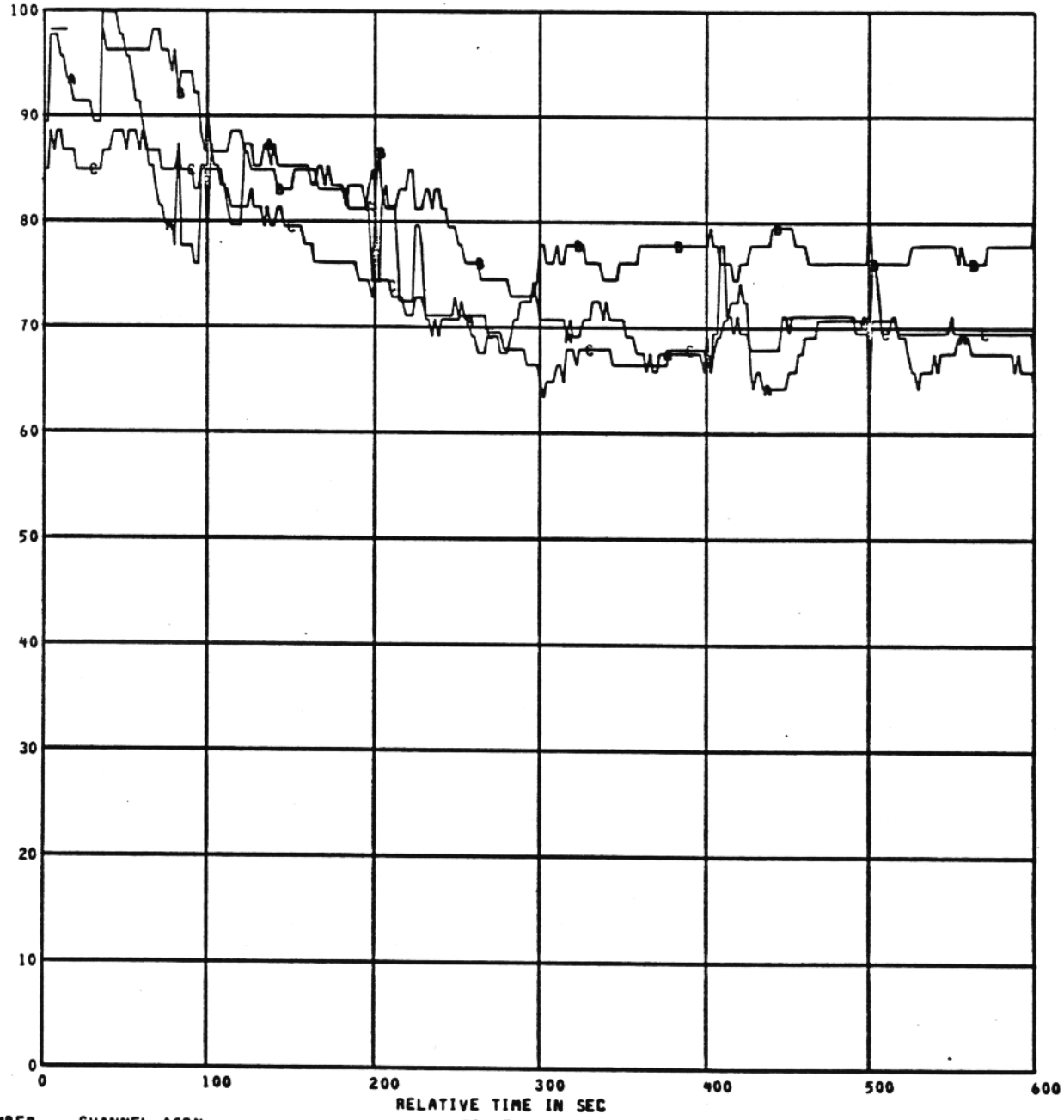
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 13 17 58.000



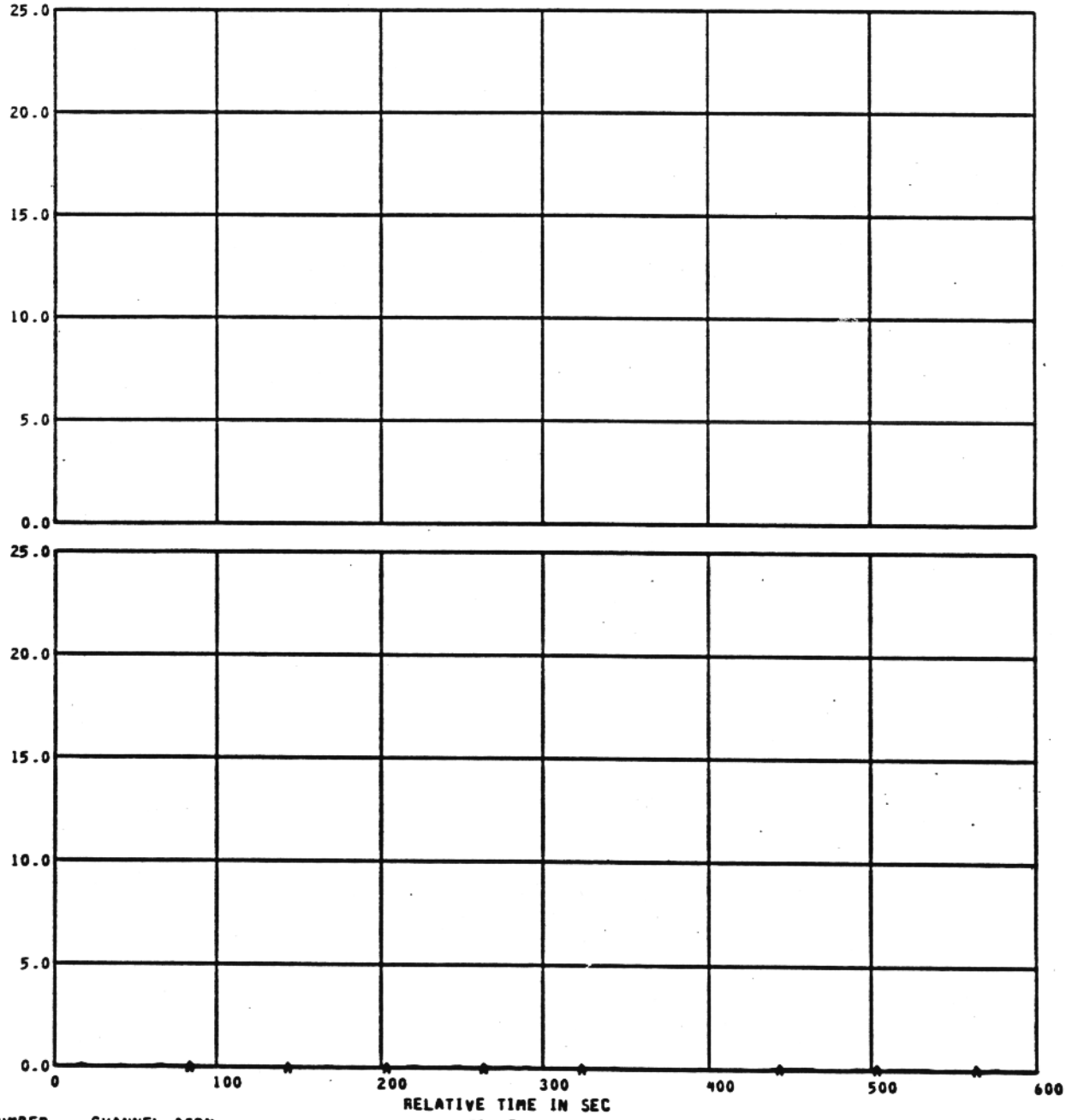
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 13 17 58.000



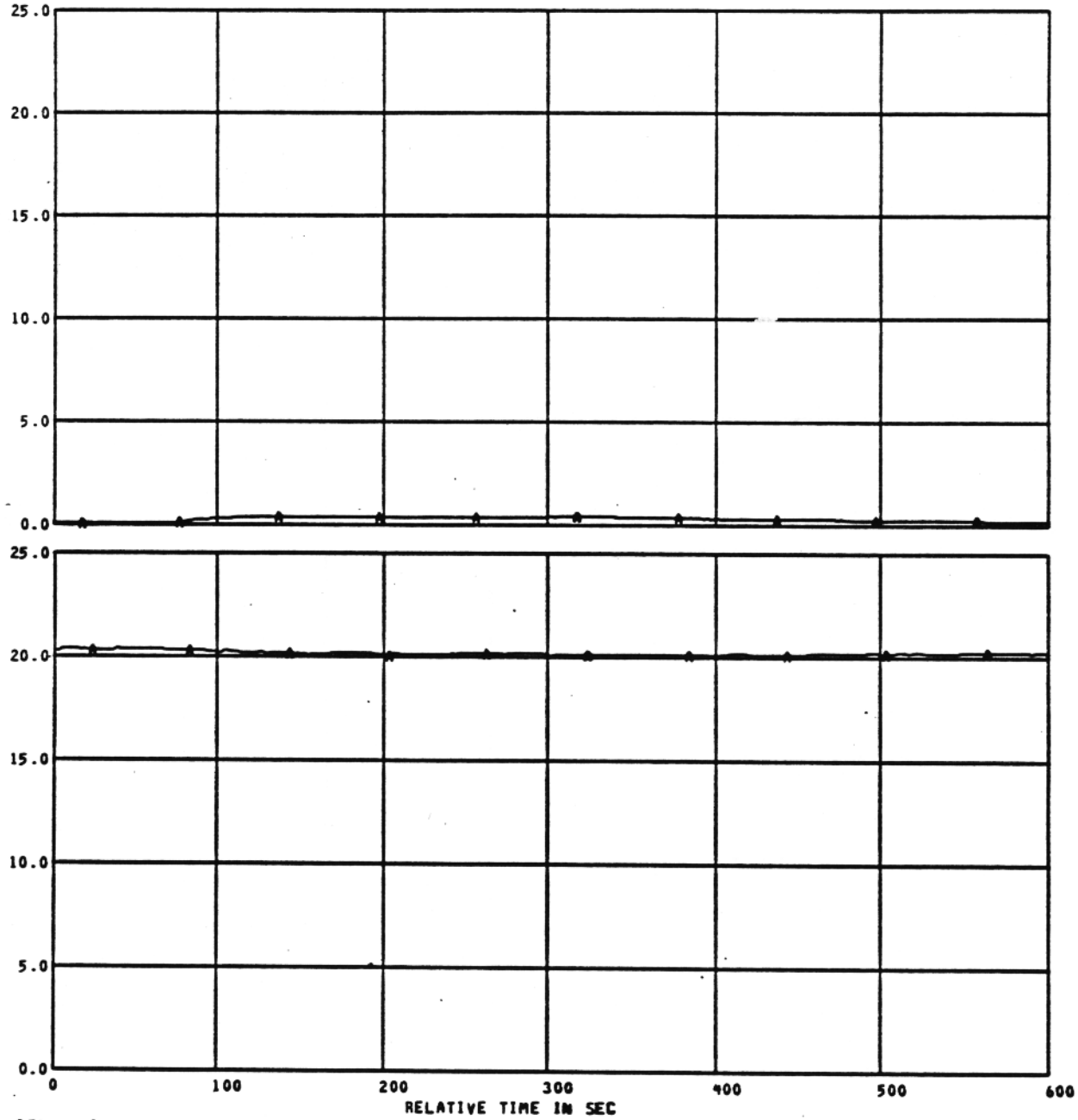
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 13 17 58.000



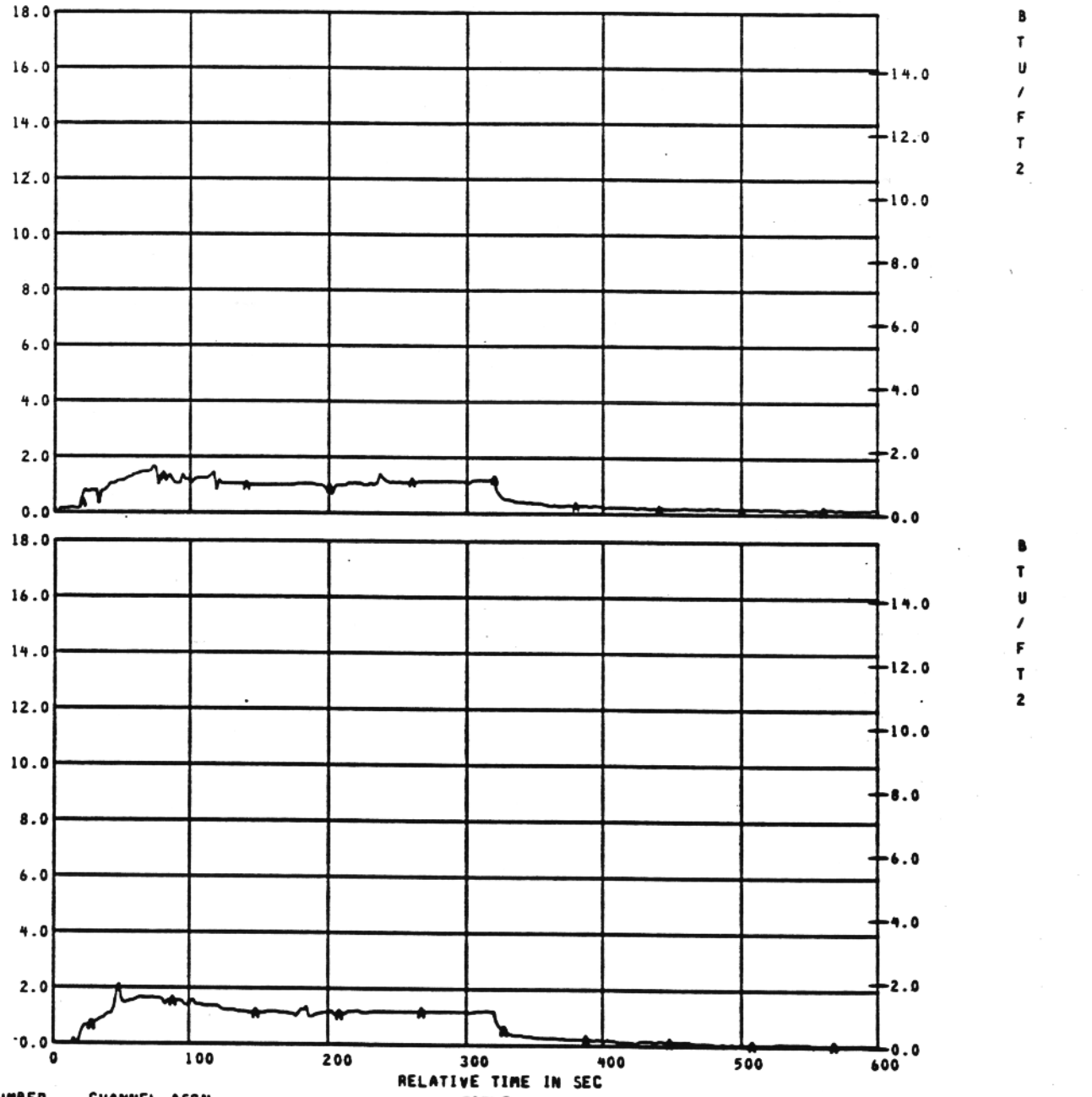
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 13 17 58.000



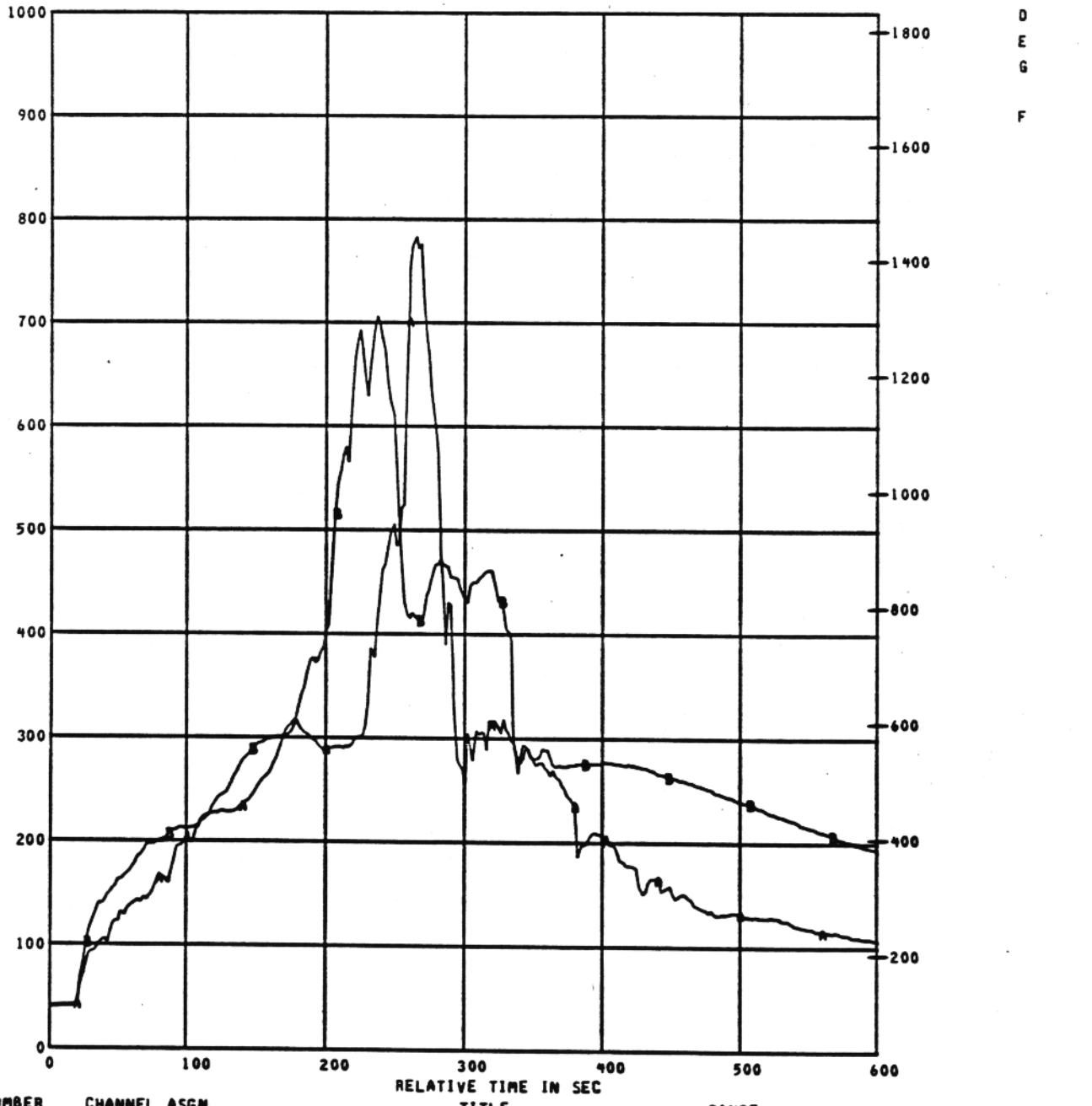
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 13 17 58.000



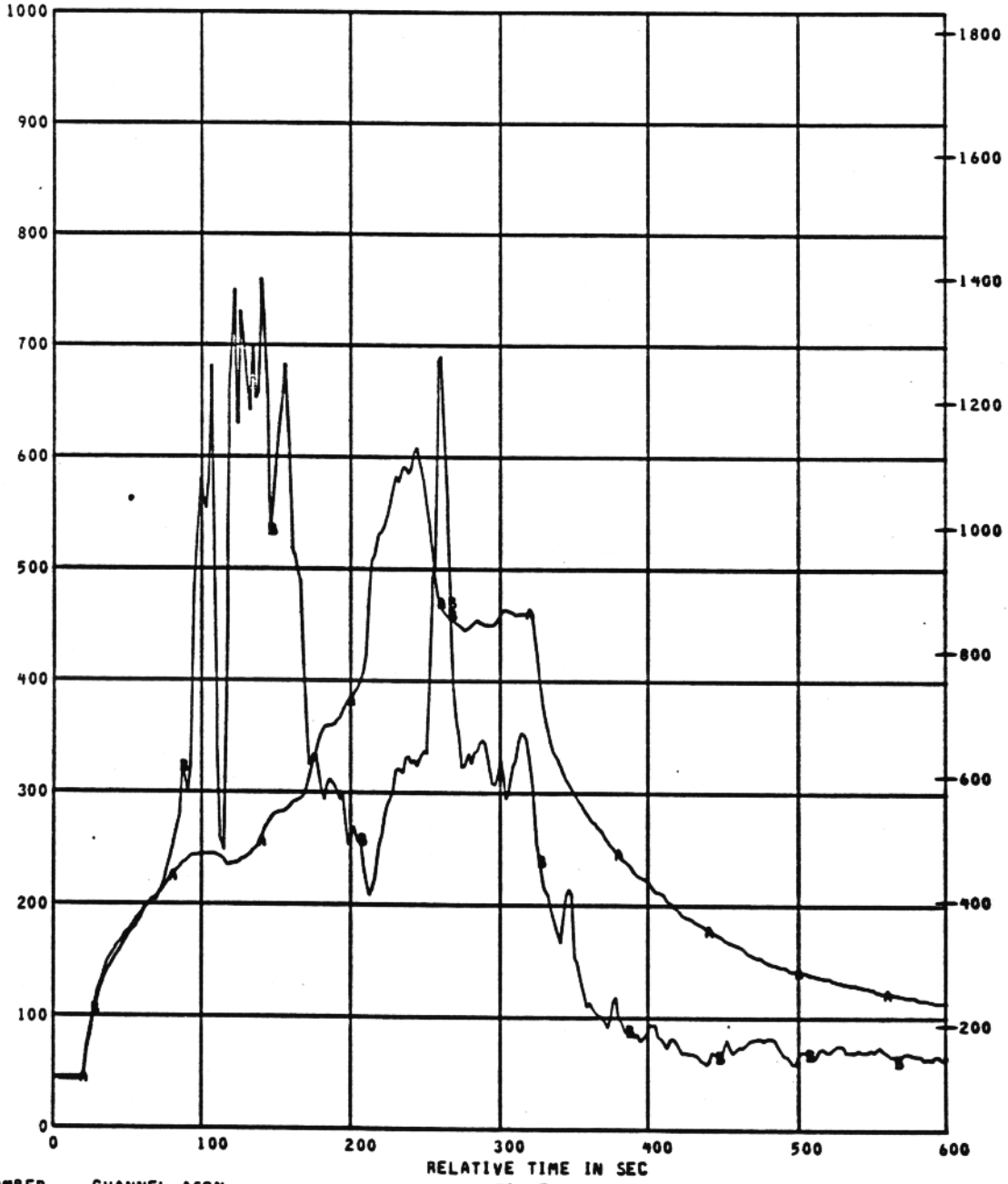
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 13 17 58.000



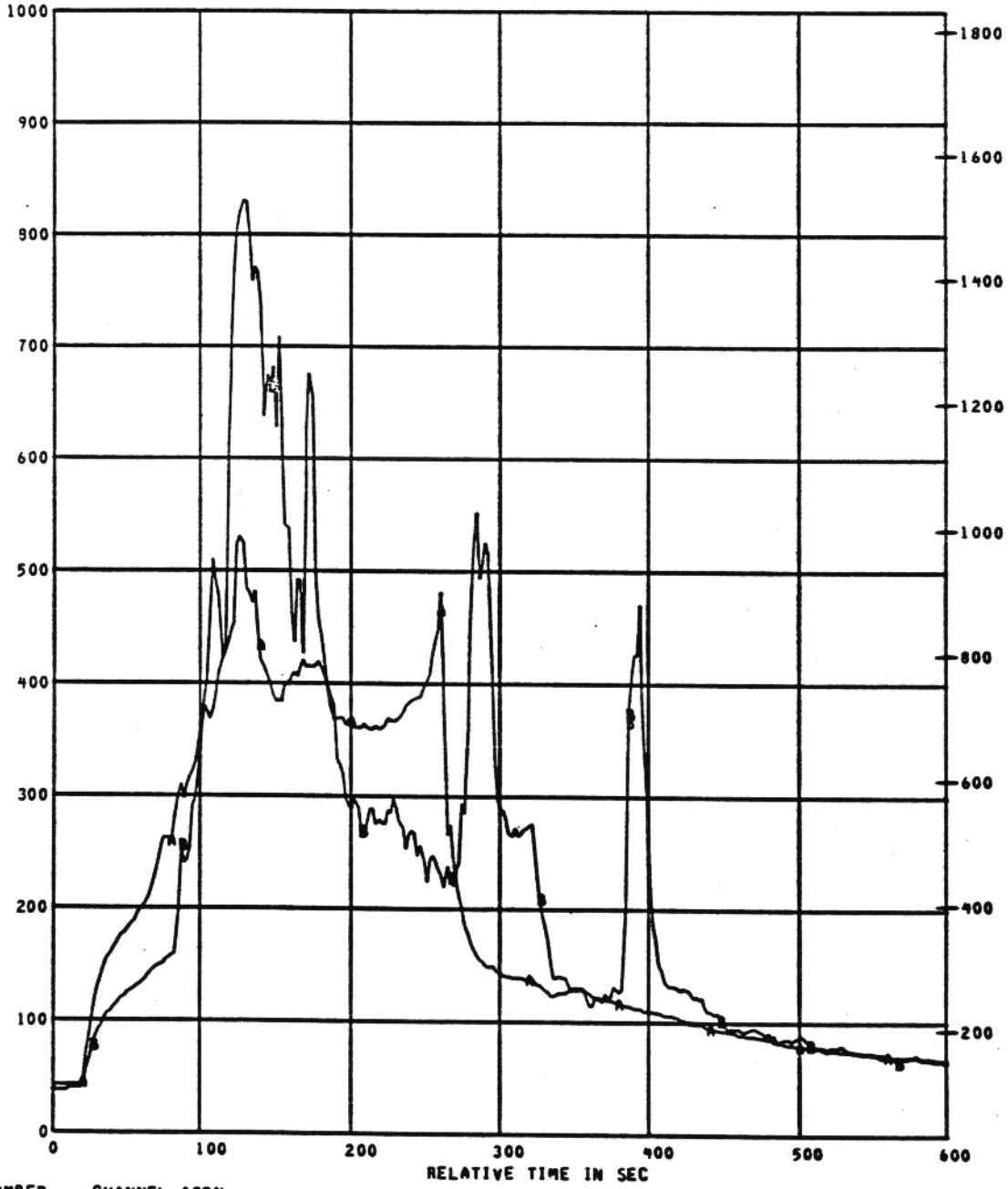
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 13 17 58.000



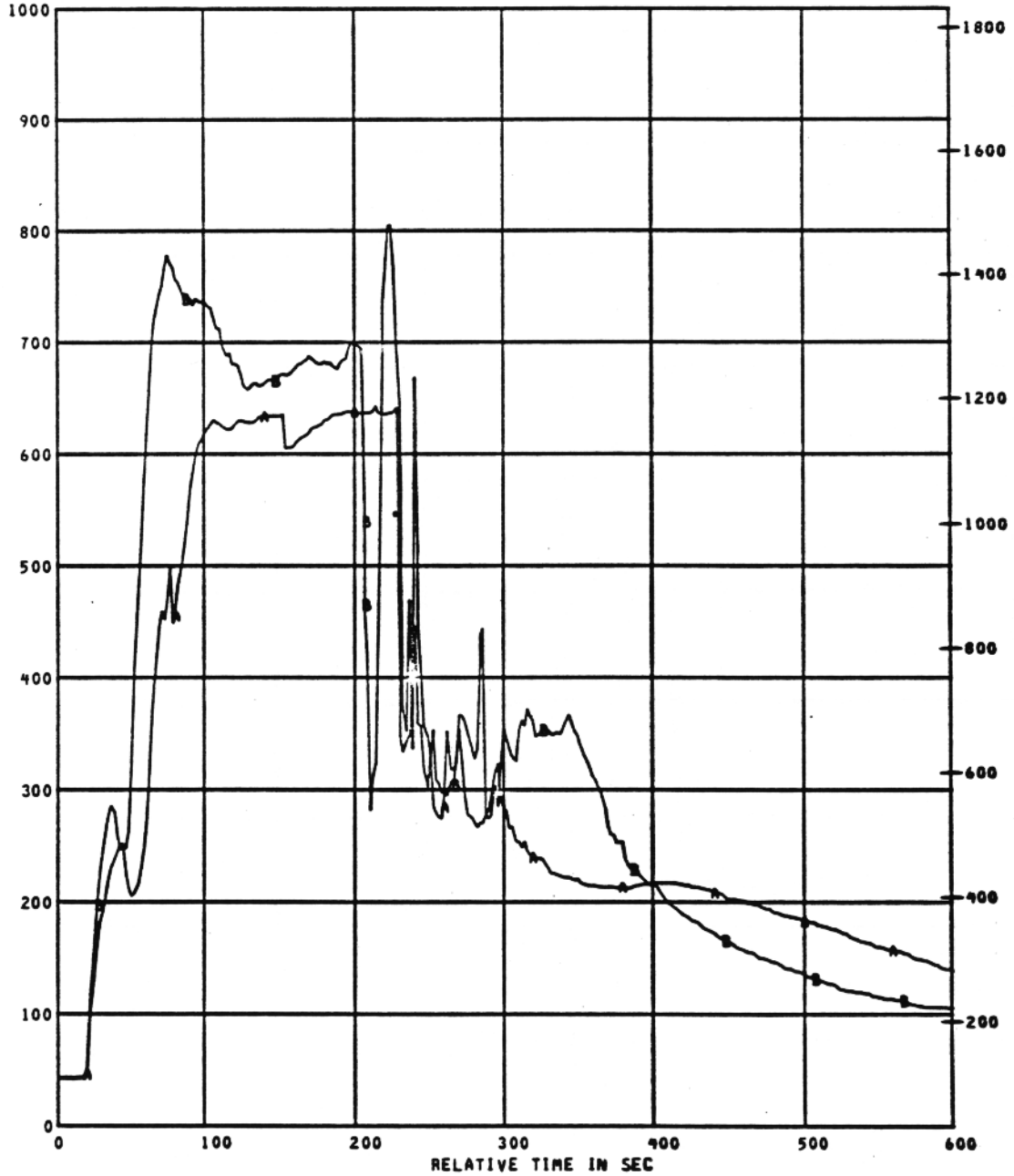
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 13 17 58.000



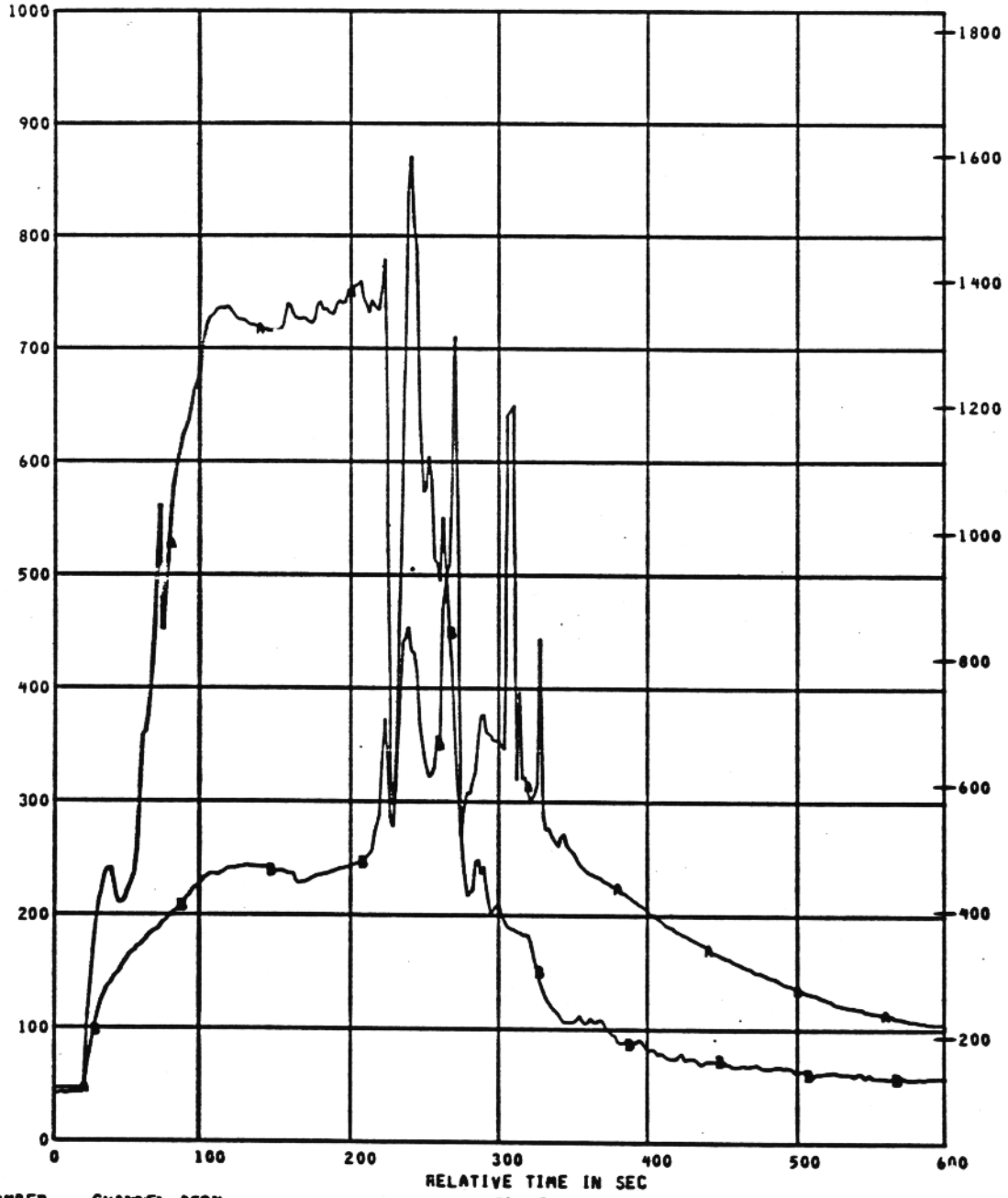
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 13 17 58.000



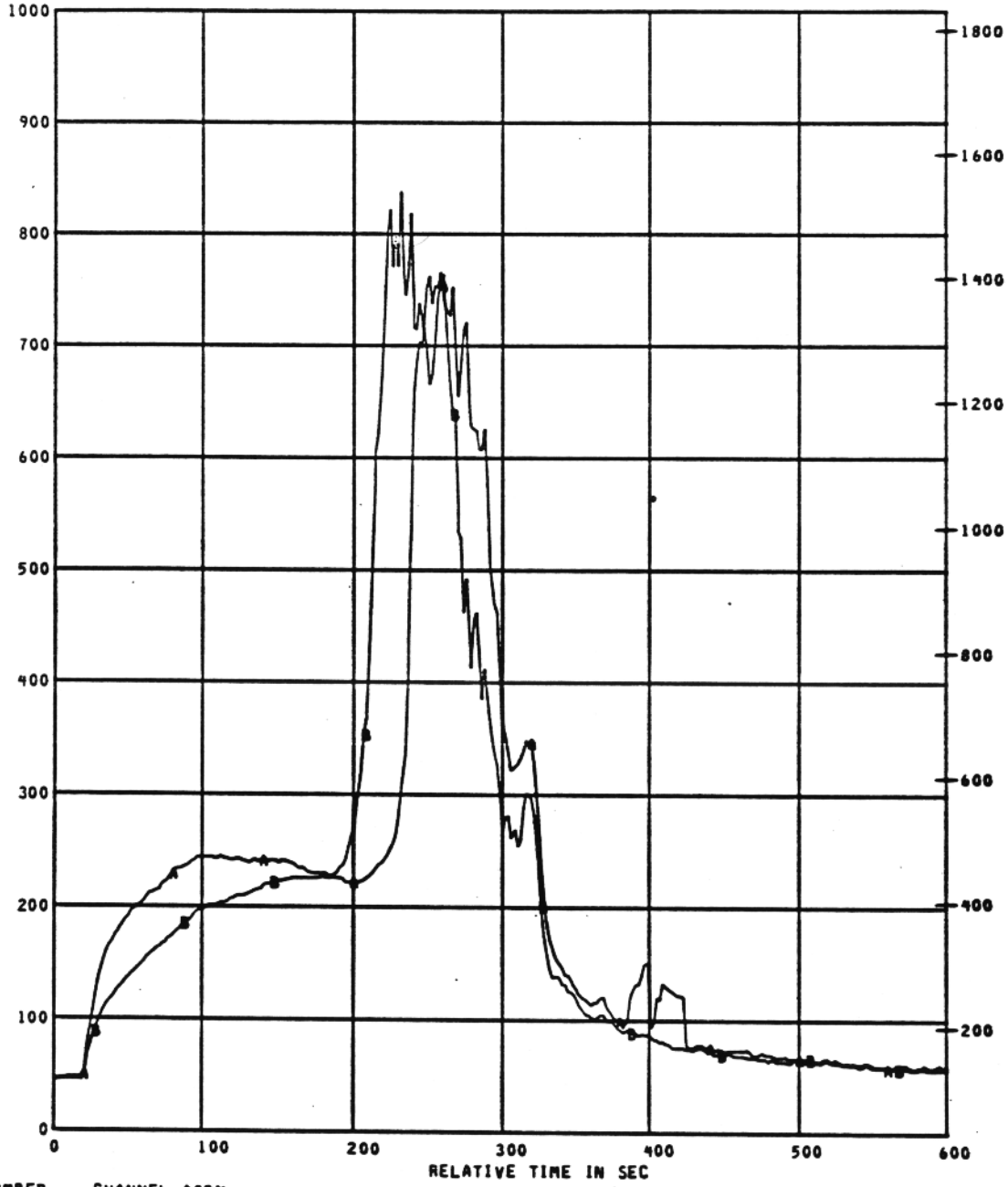
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 13 17 58.000



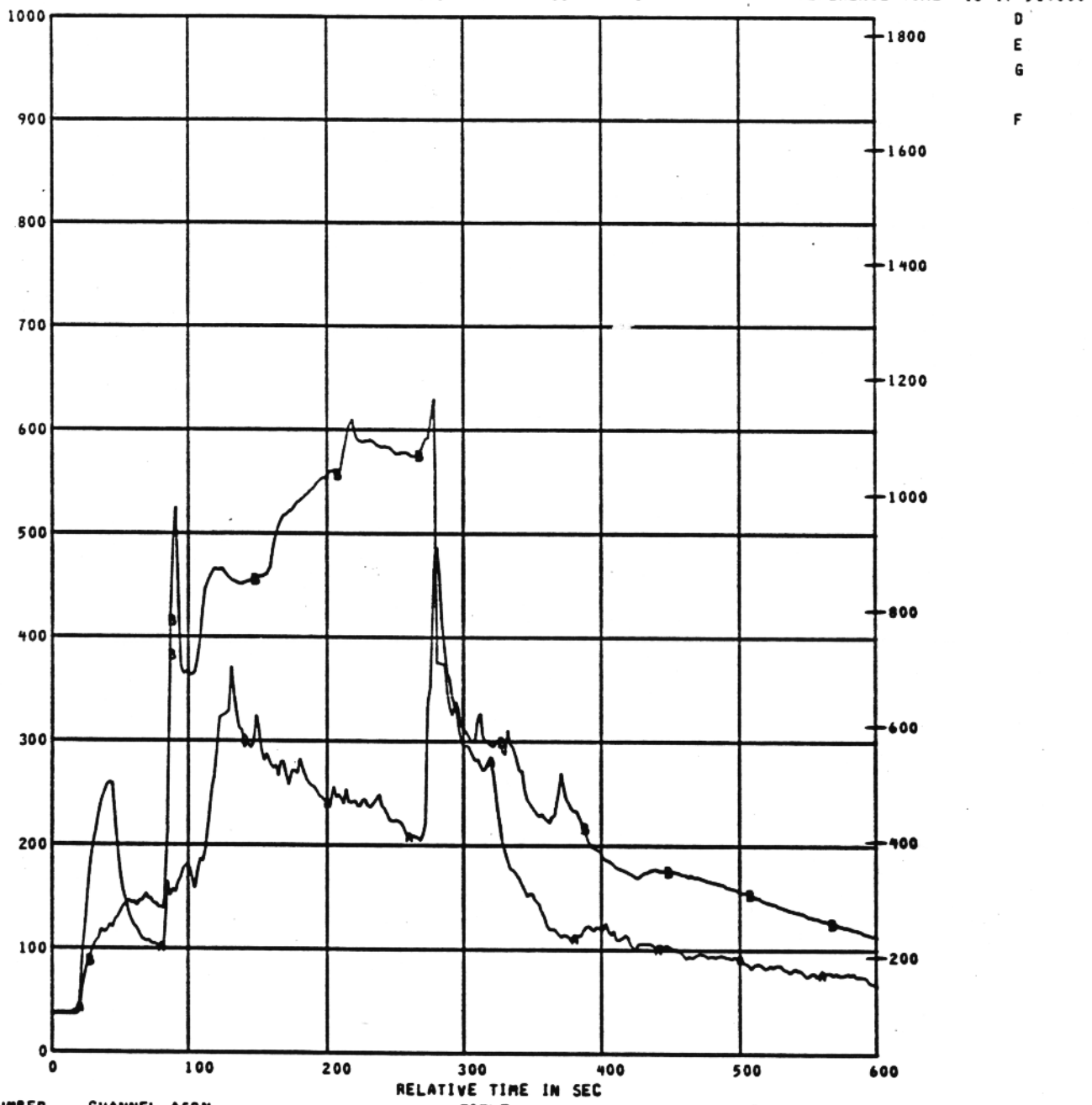
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 13 17 58.000



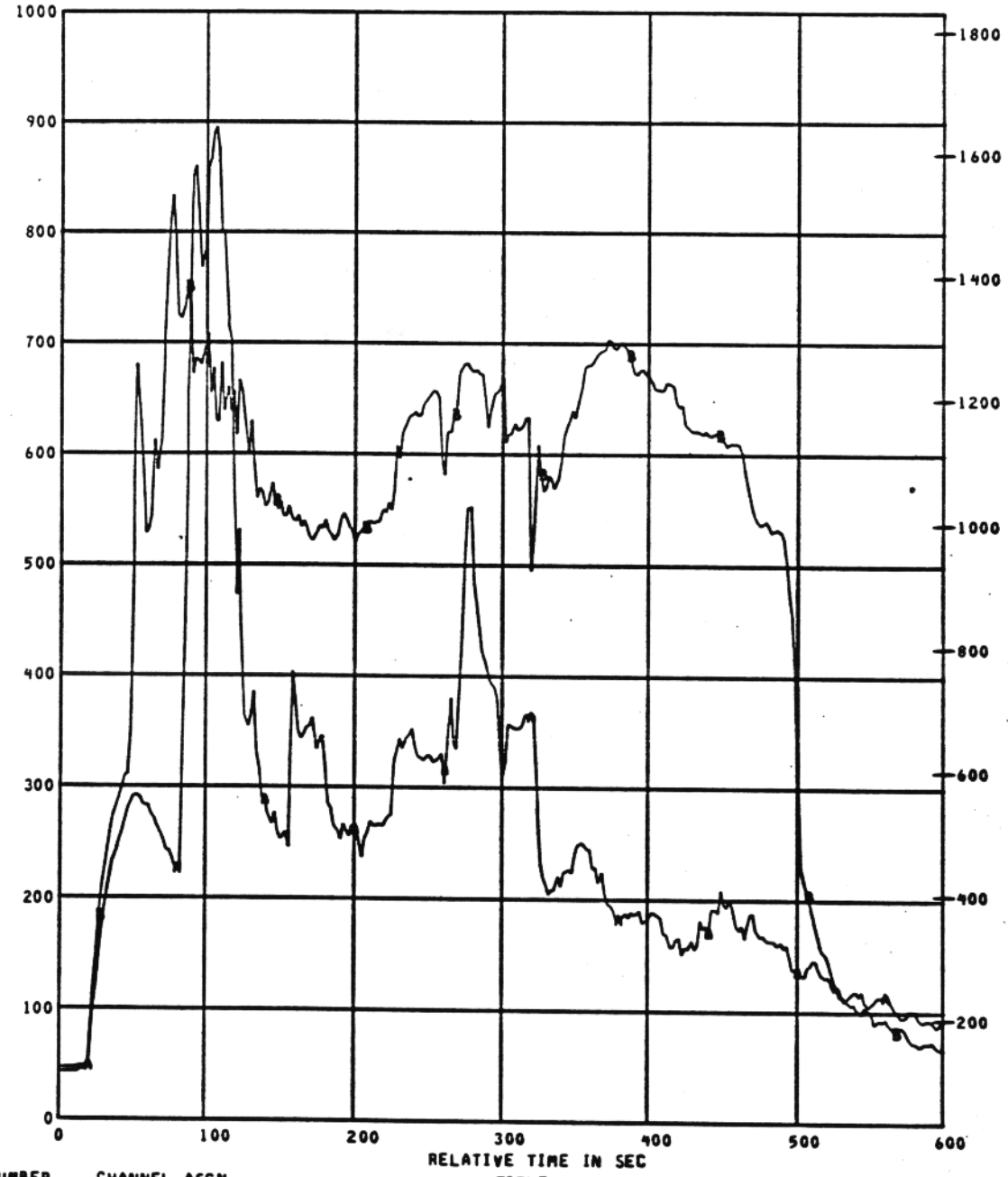
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 13 17 58.000



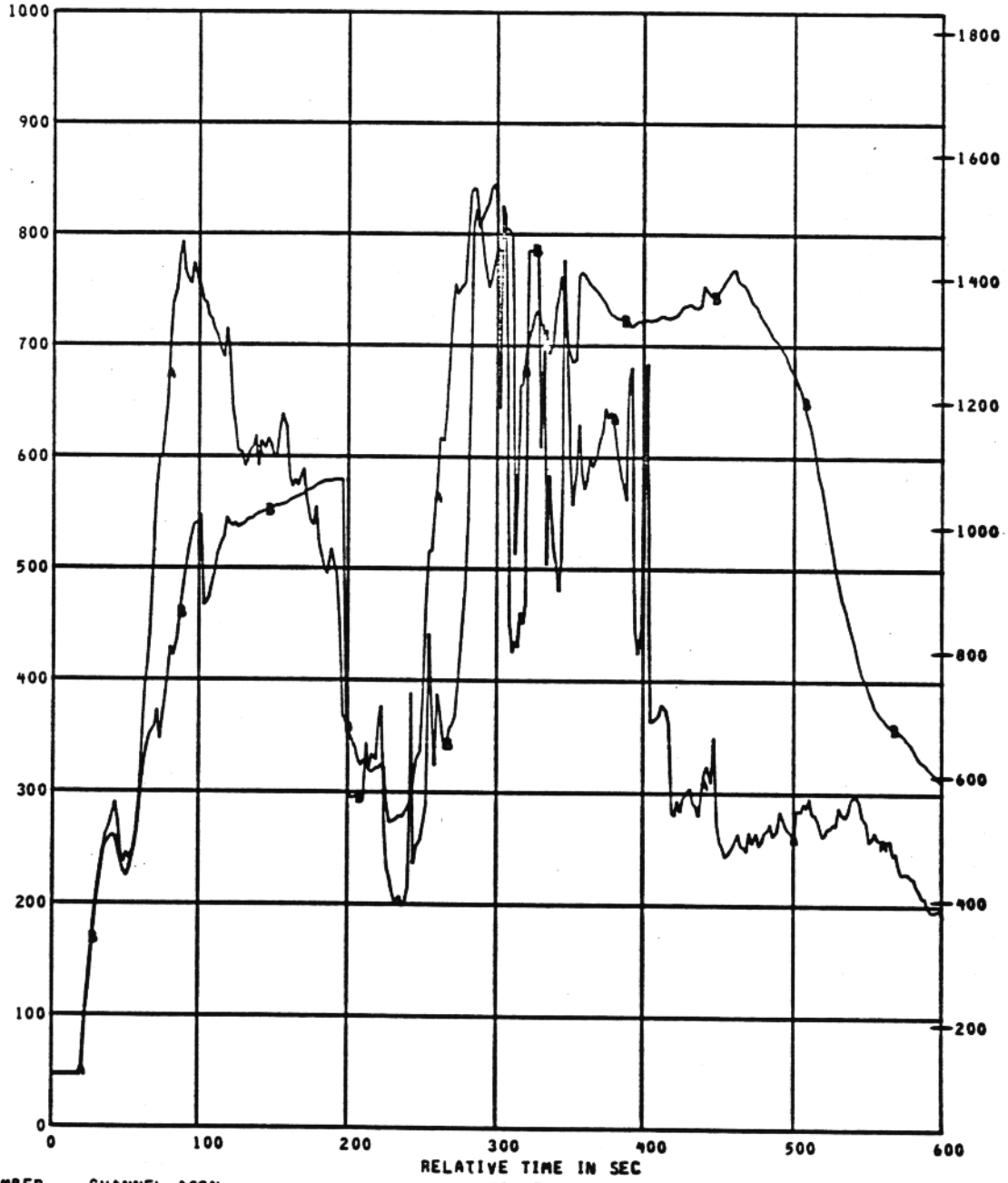
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 13 17 58.000



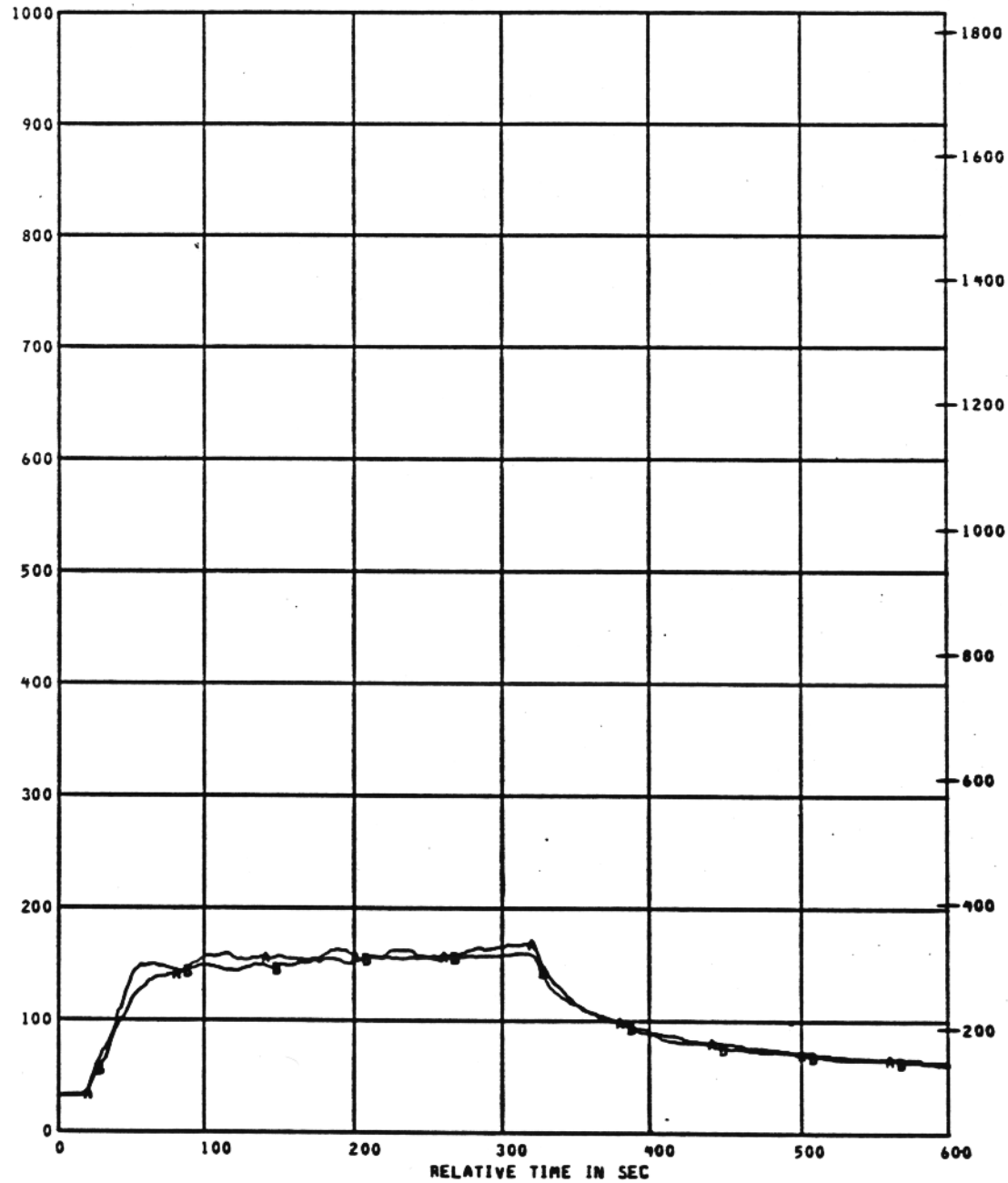
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 13 17 58.000



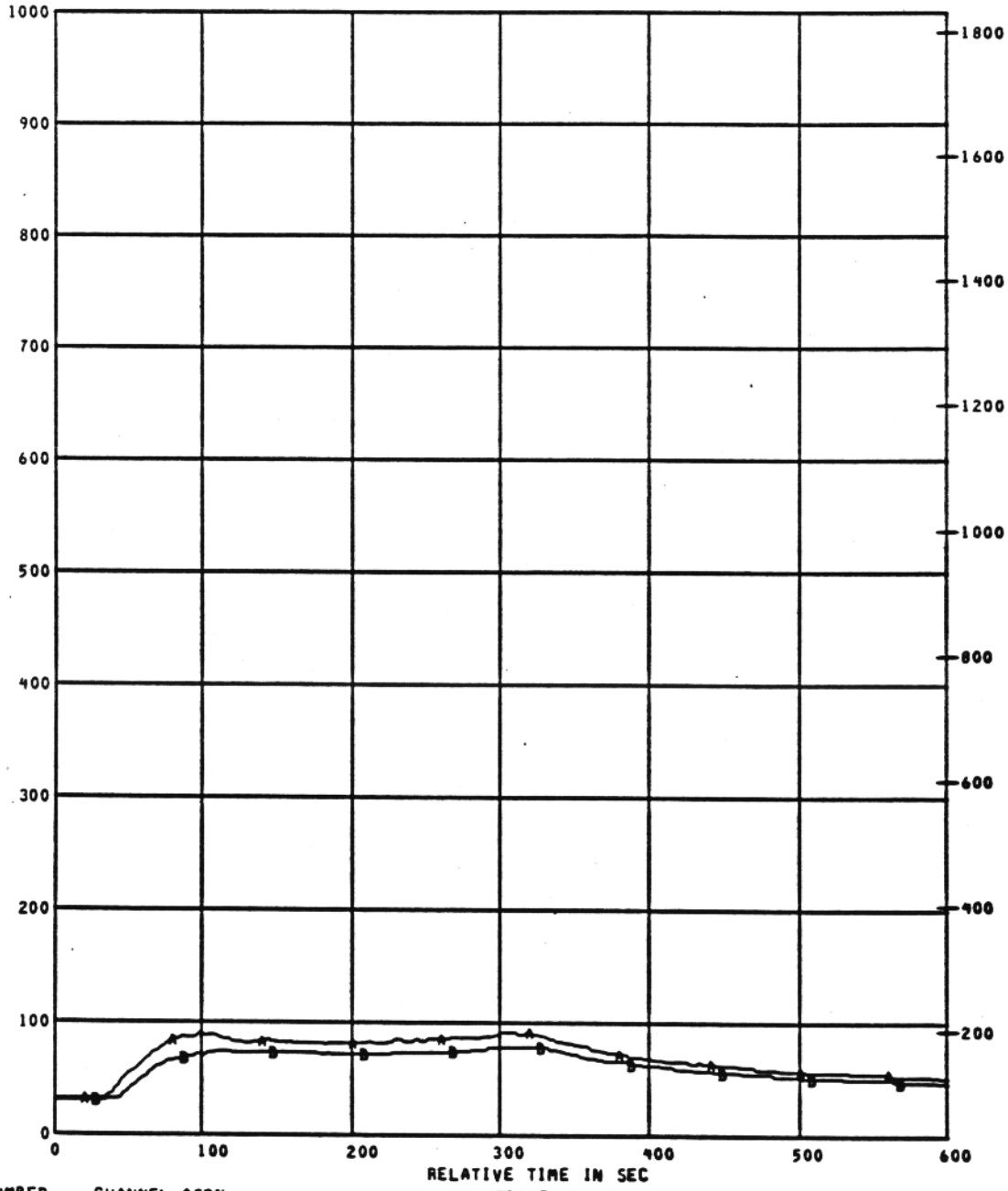
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 13 17 58.000



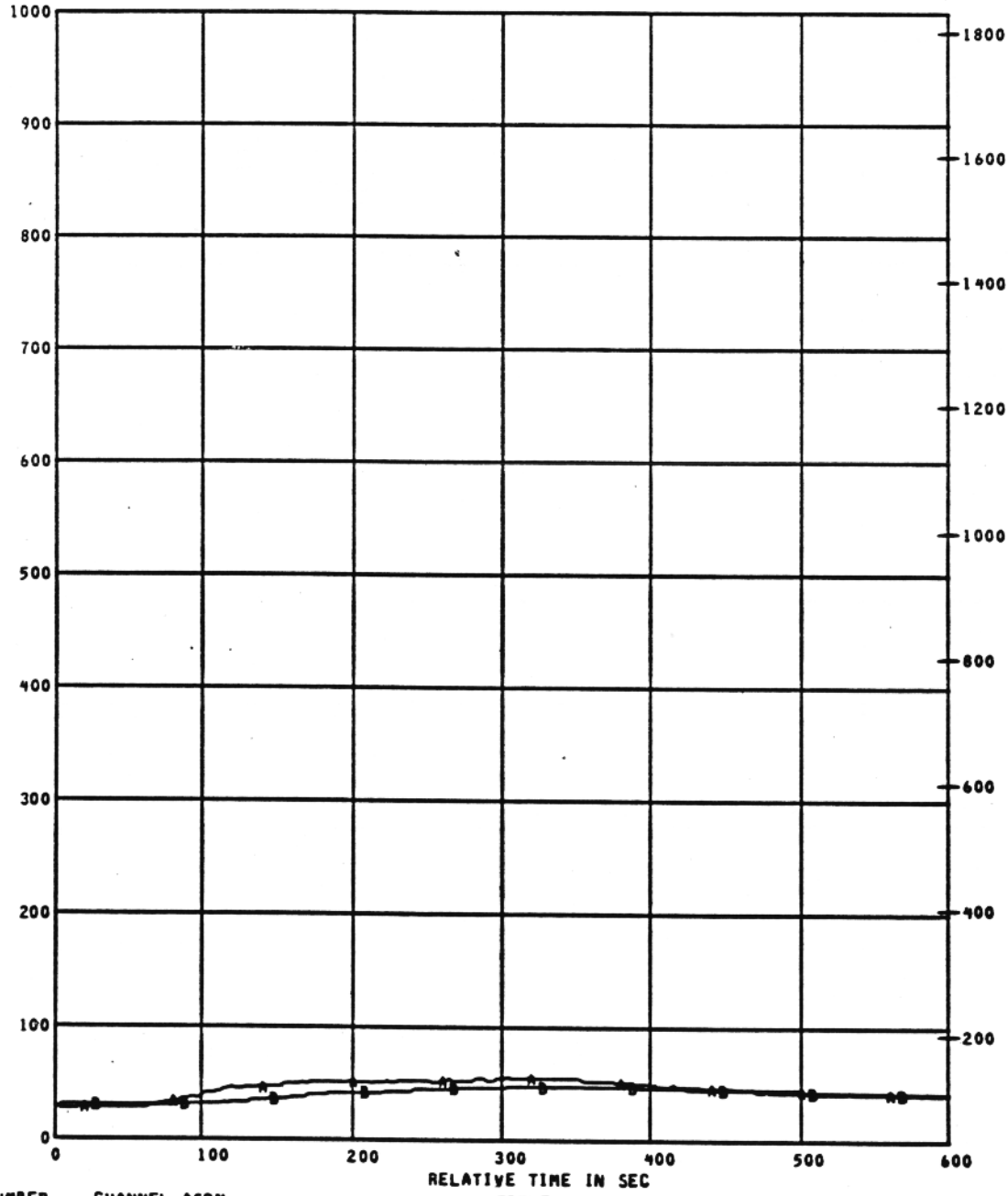
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 13 17 58.000



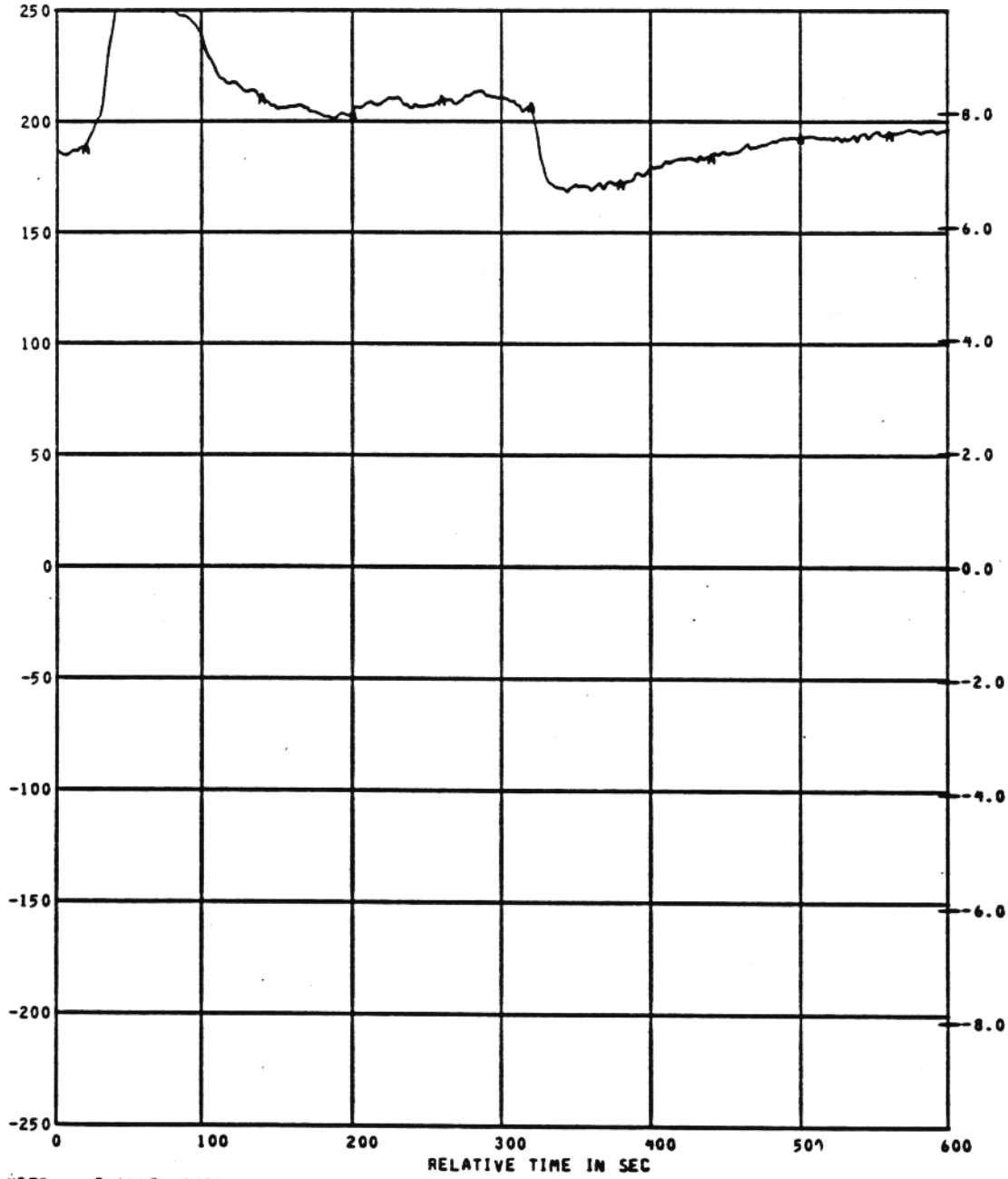
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 13 17 58.000



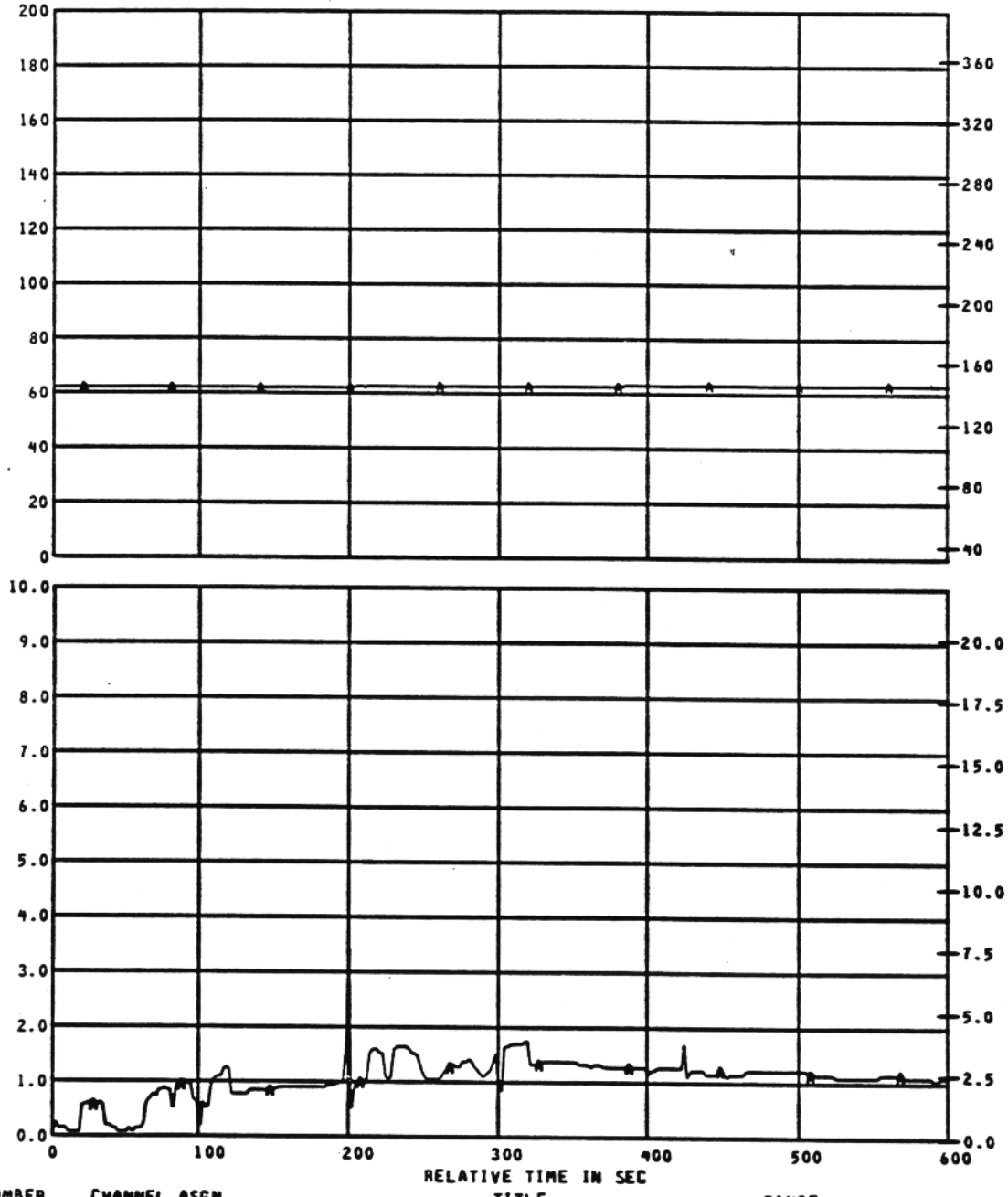
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 13 17 58.000



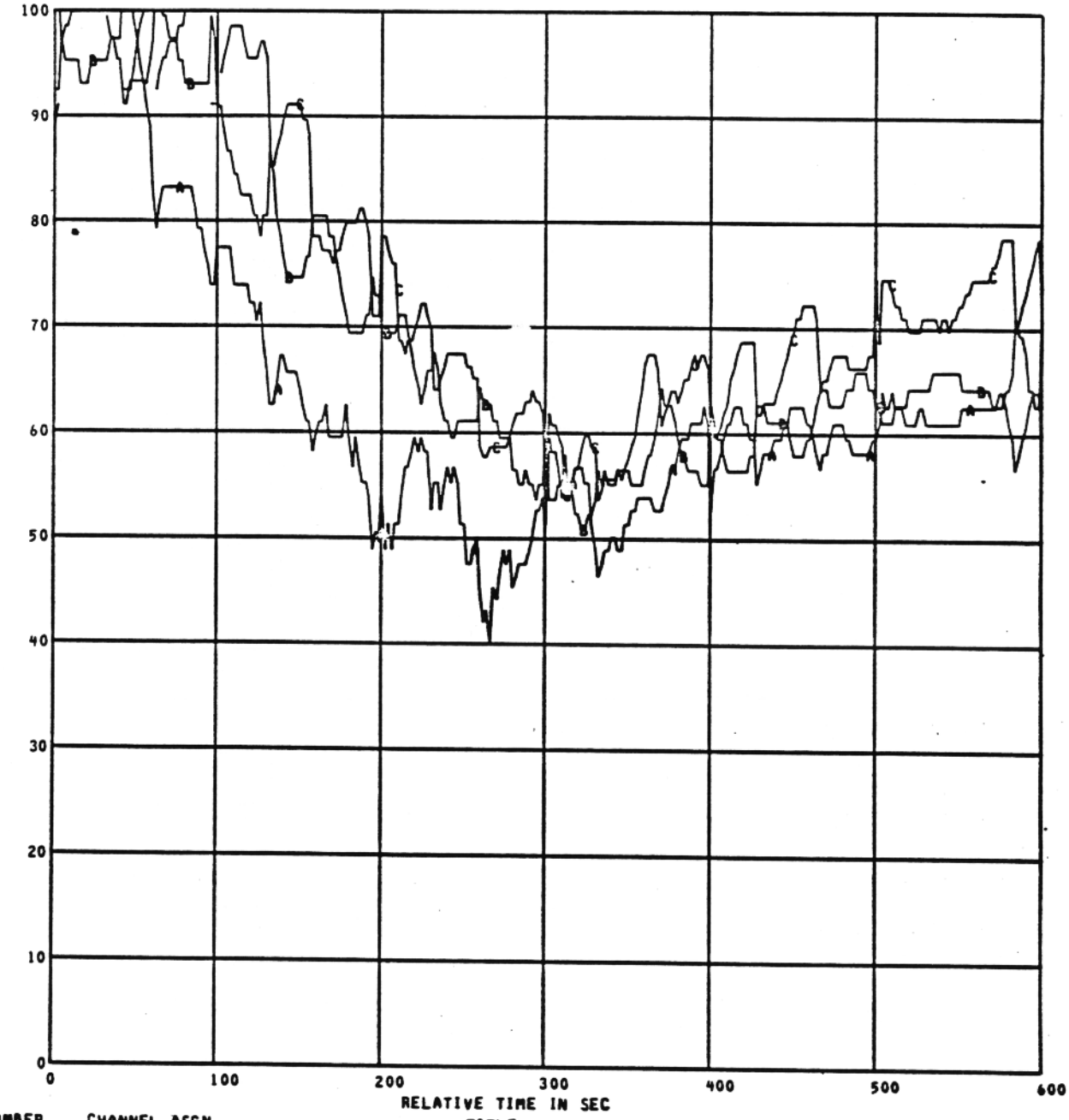
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H2O	AA

TEST ID NASA7 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 13 17 58.000



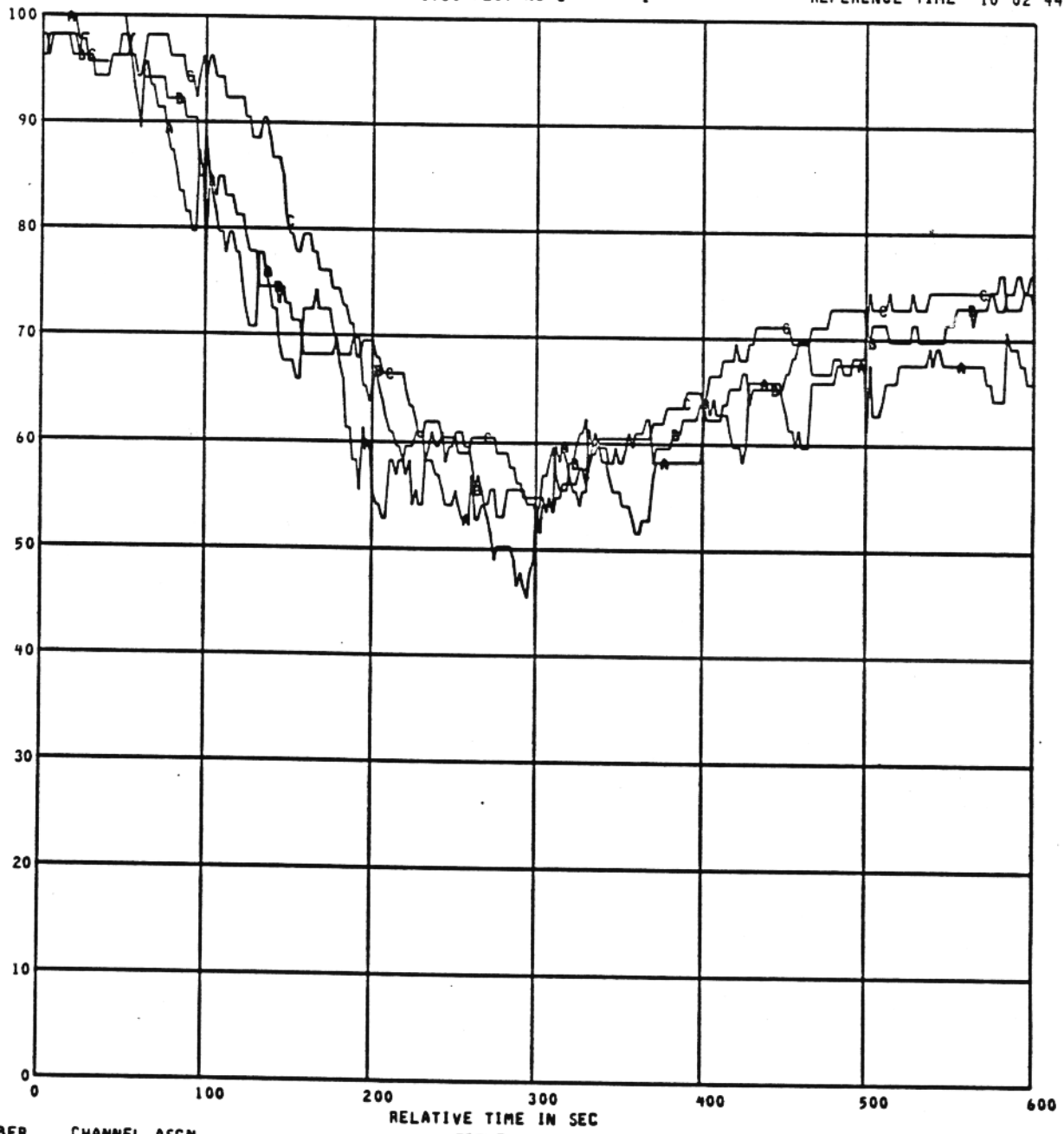
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 10 02 44.000



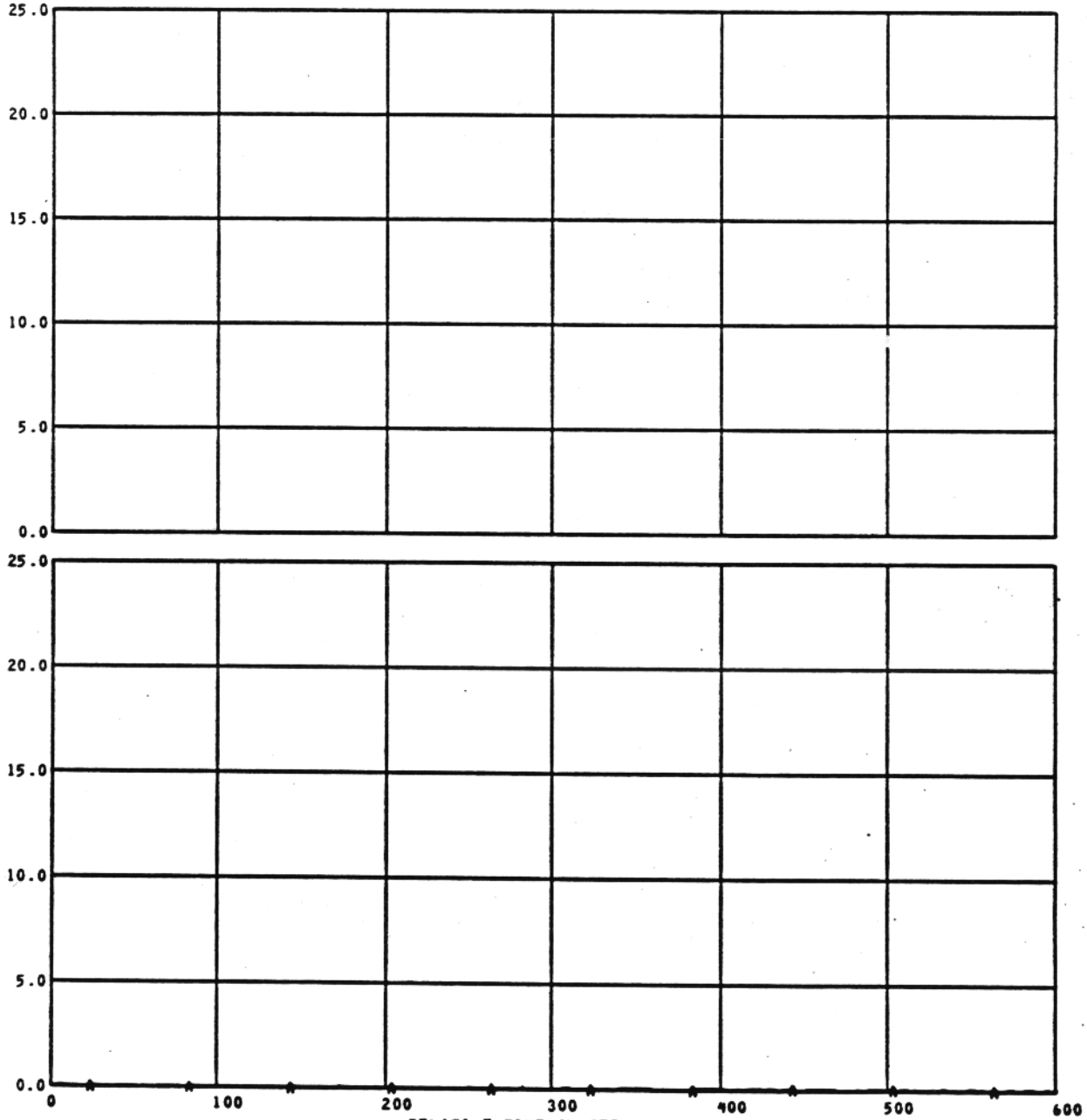
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 10 02 44.000



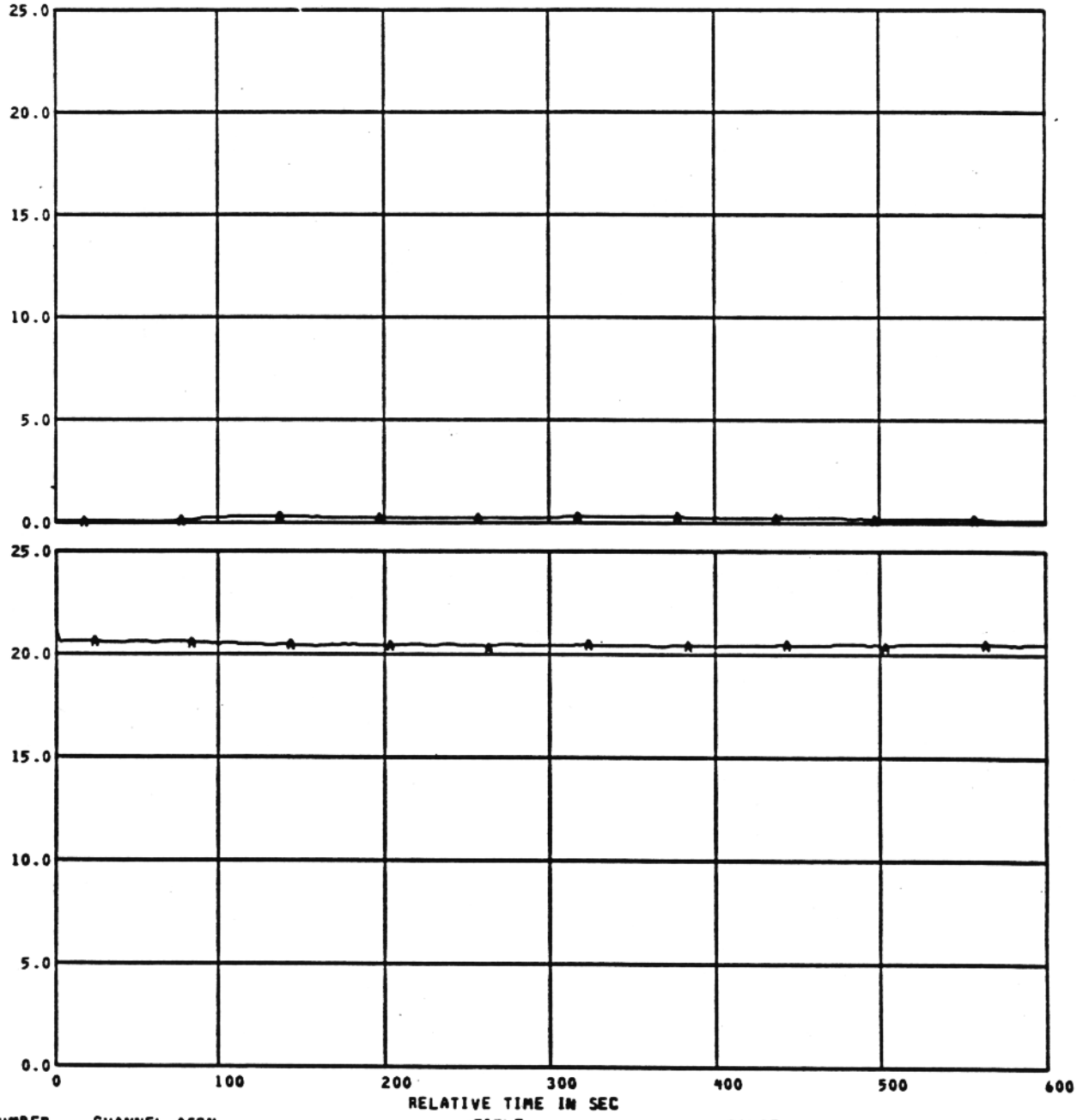
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 10 02 44.000



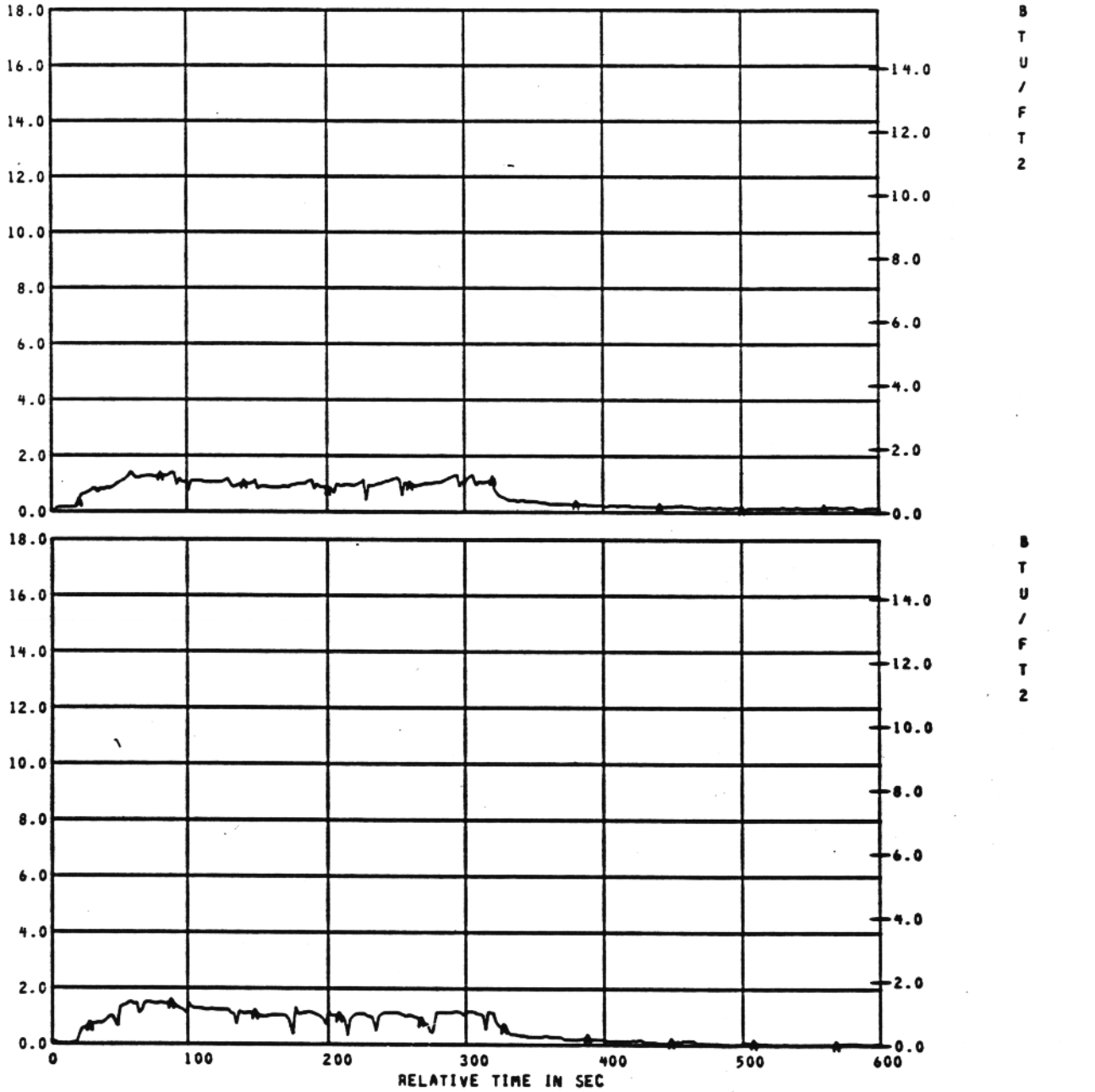
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 10 02 44.000



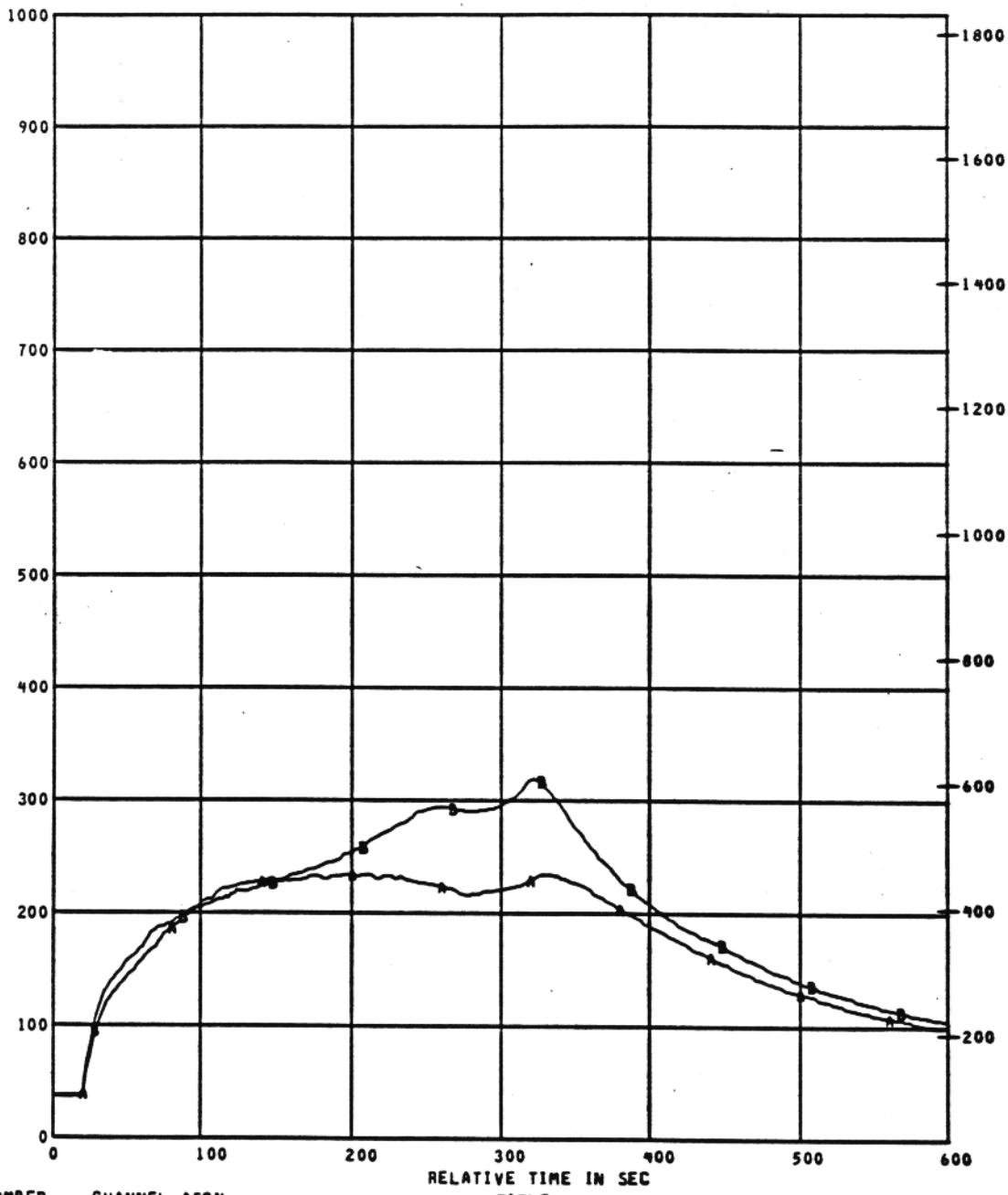
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 10 02 44.000



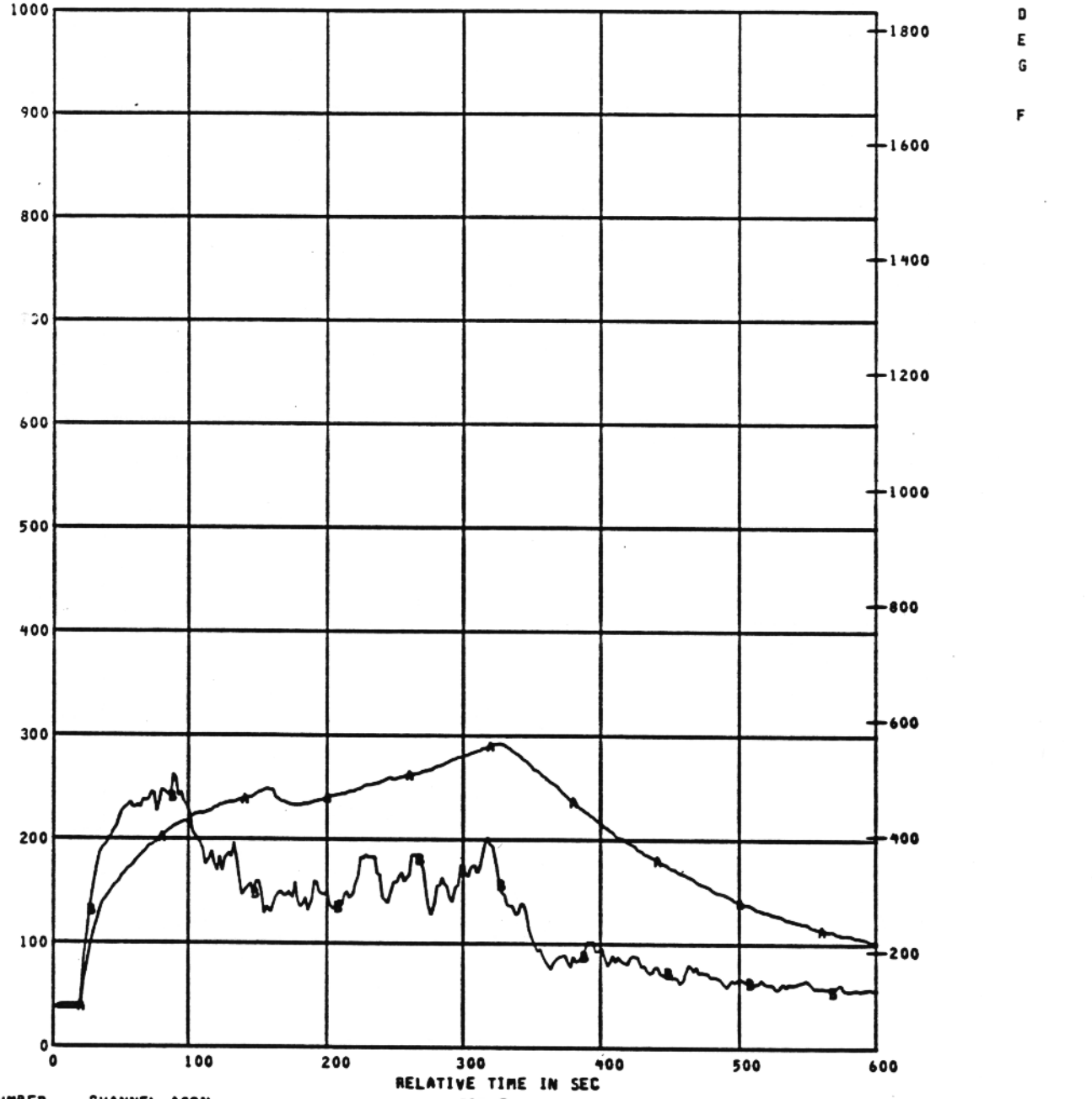
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 10 02 44.000



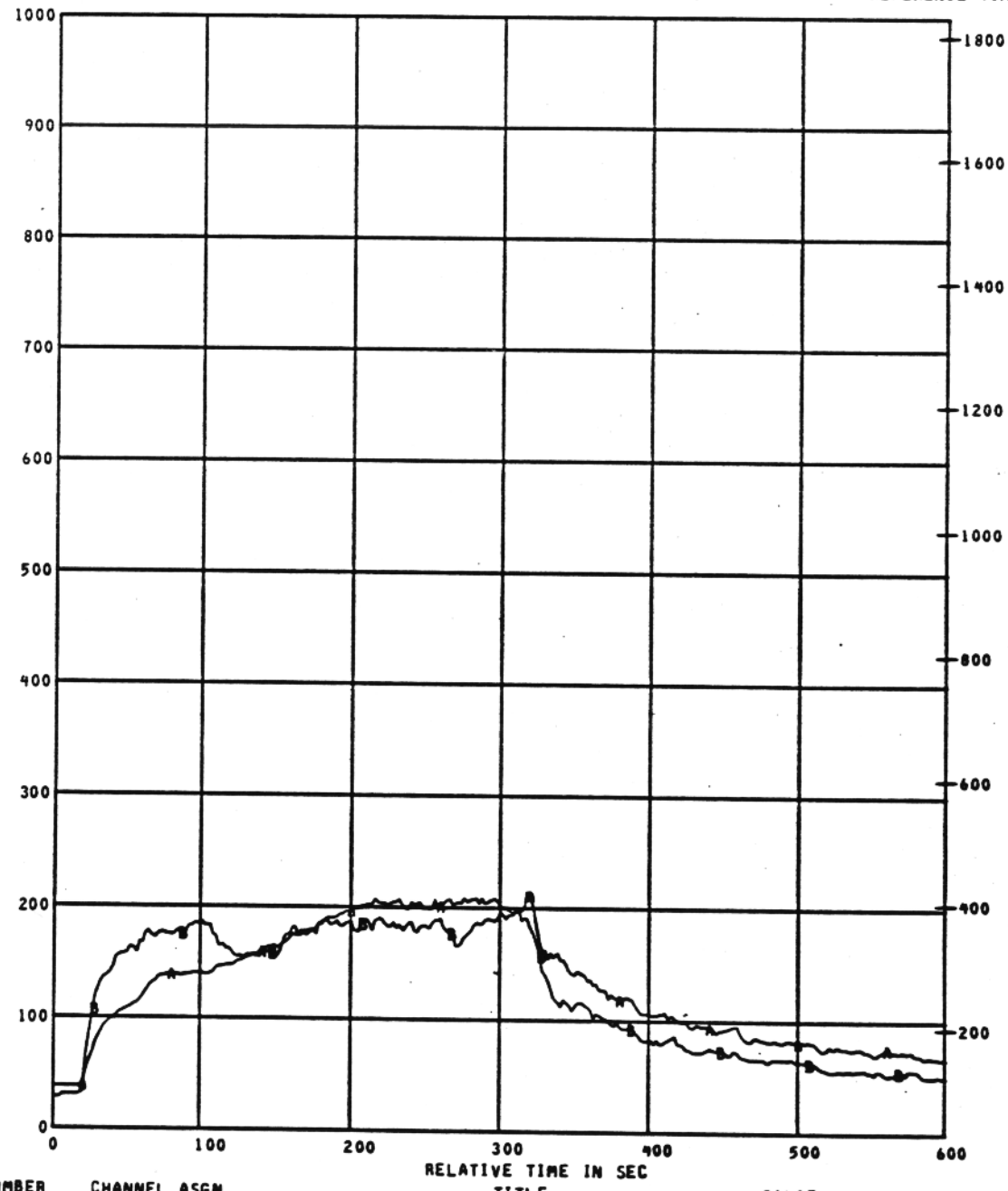
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 10 02 44.000



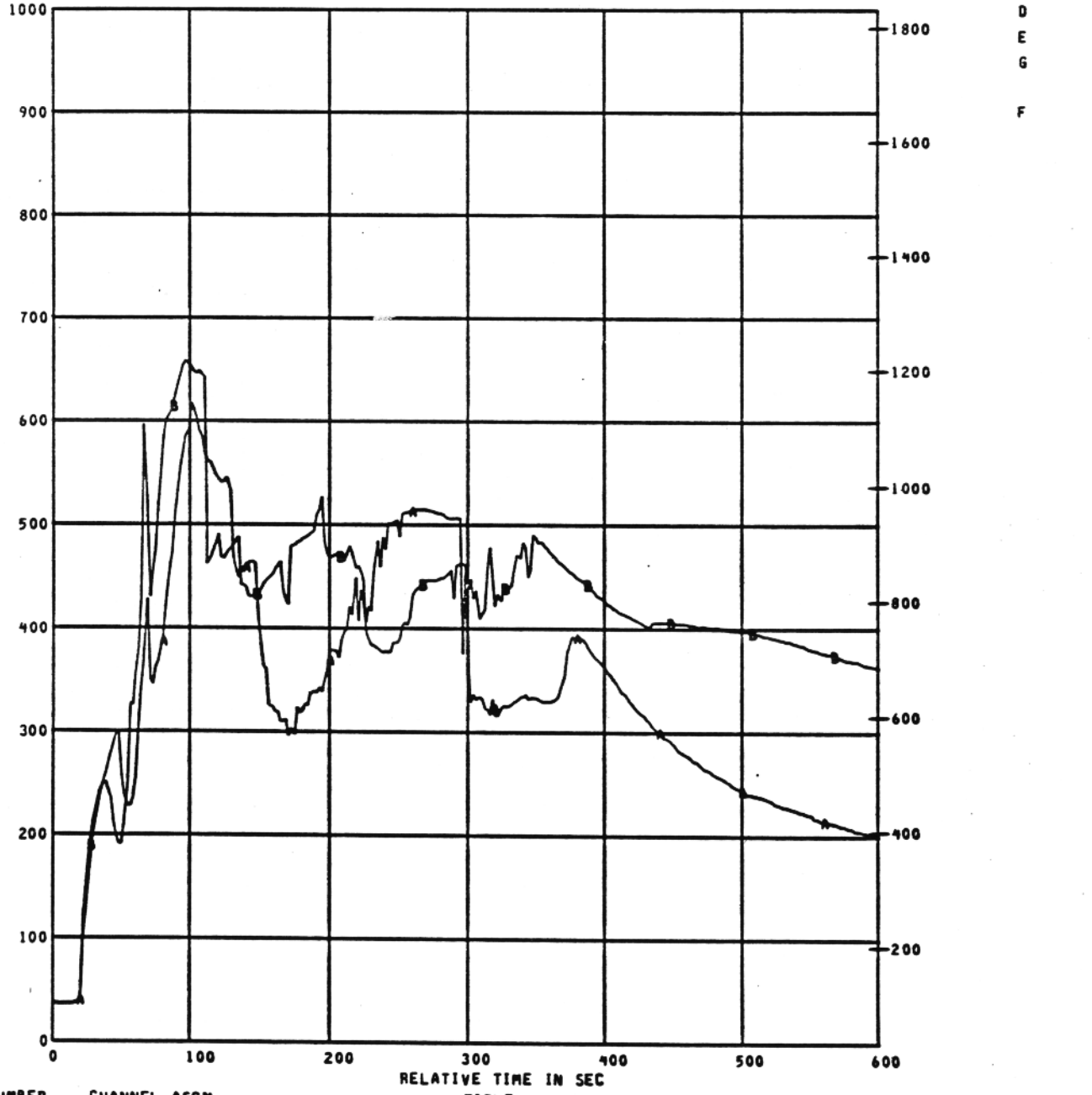
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 10 02 44.000



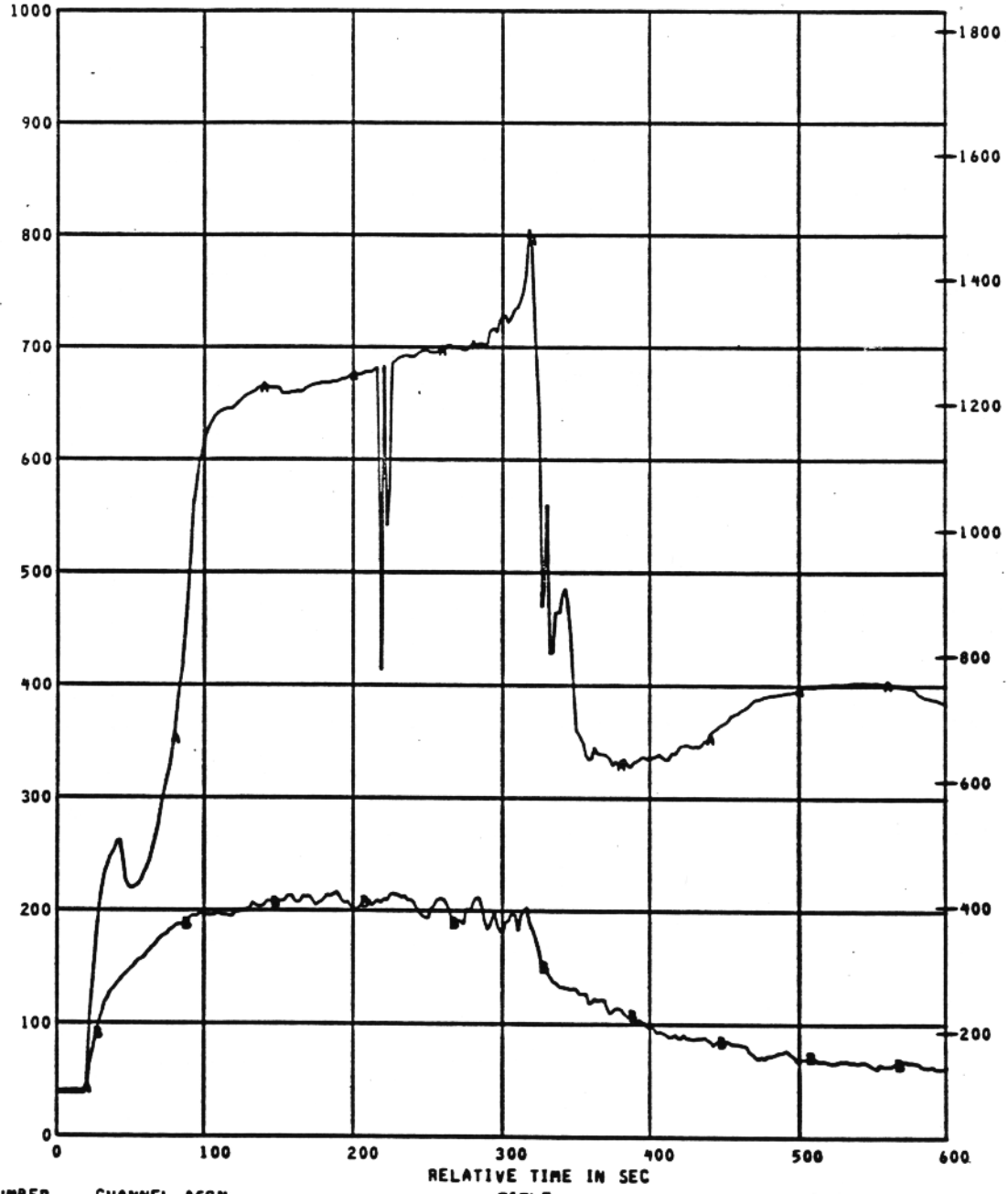
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 10 02 44.000



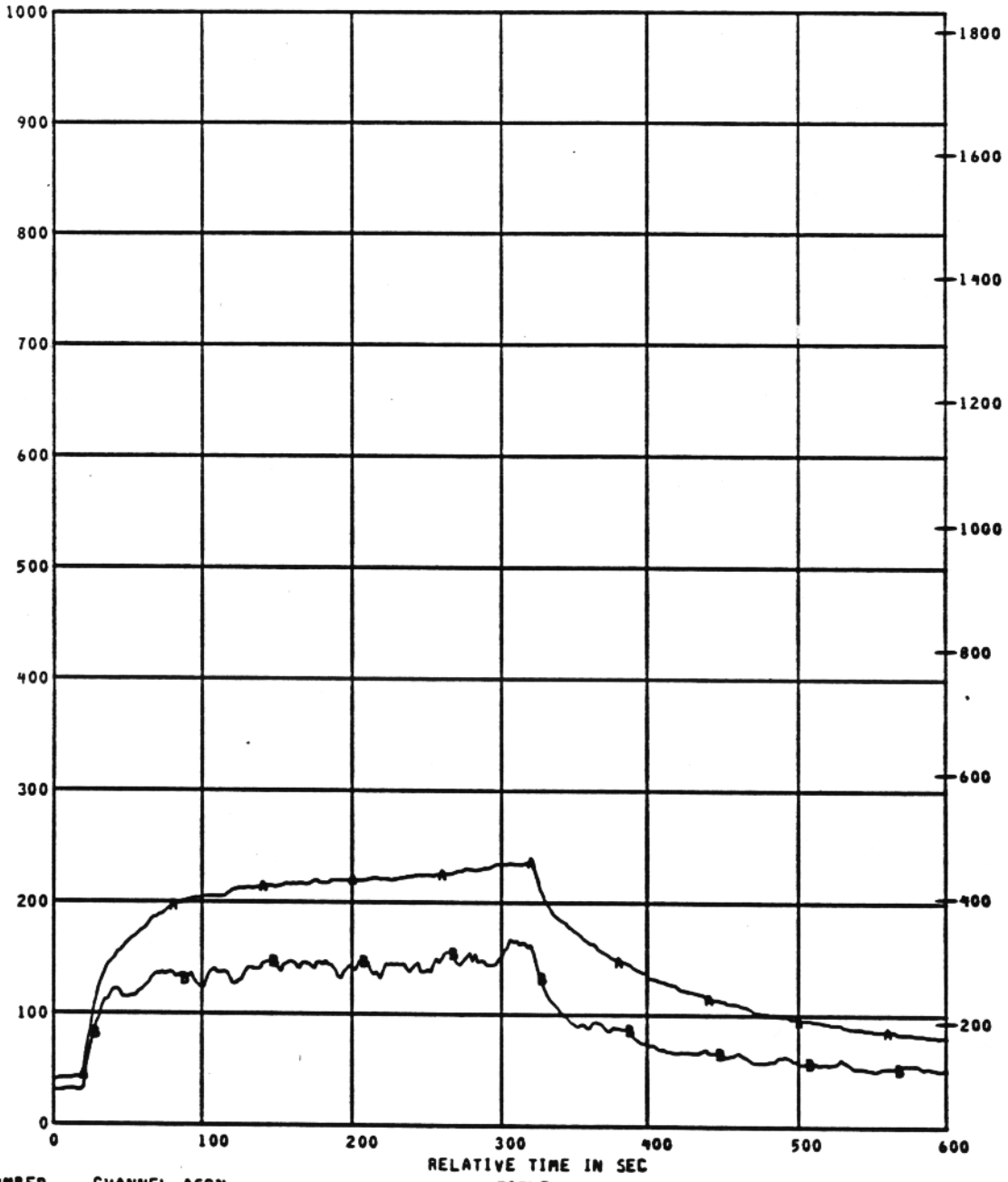
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 10 02 44.000



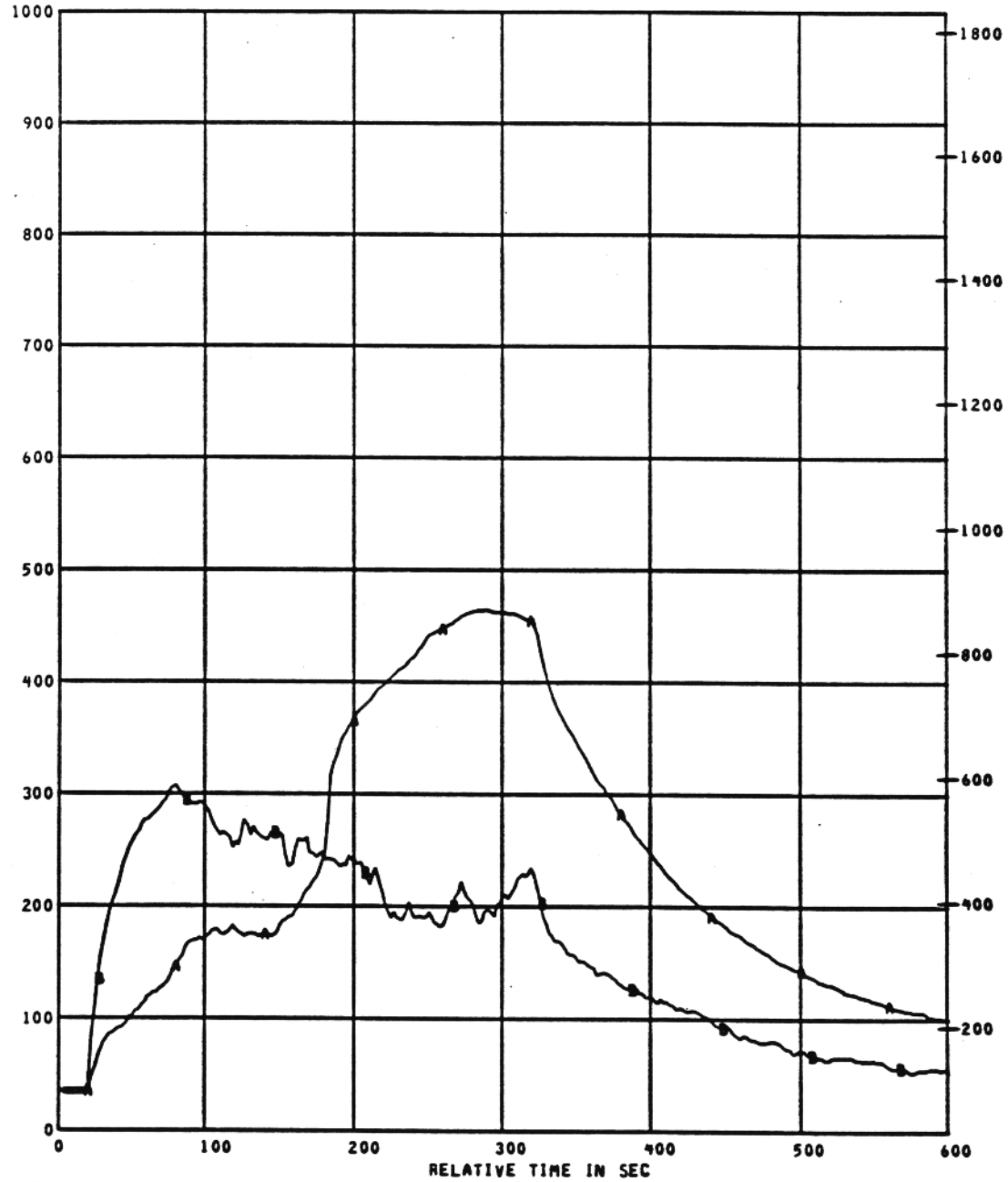
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 10 02 44.000



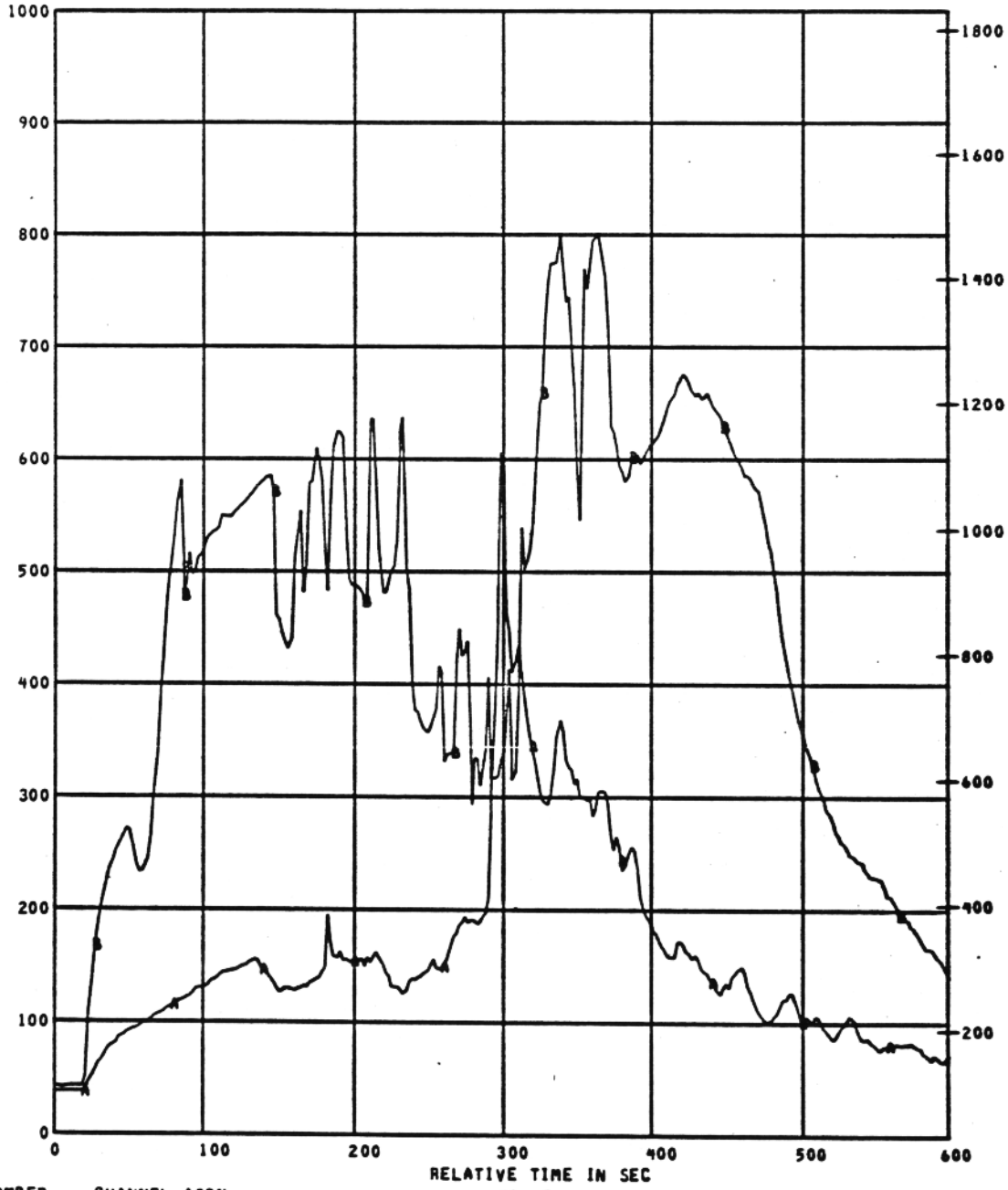
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 10 02 44.000



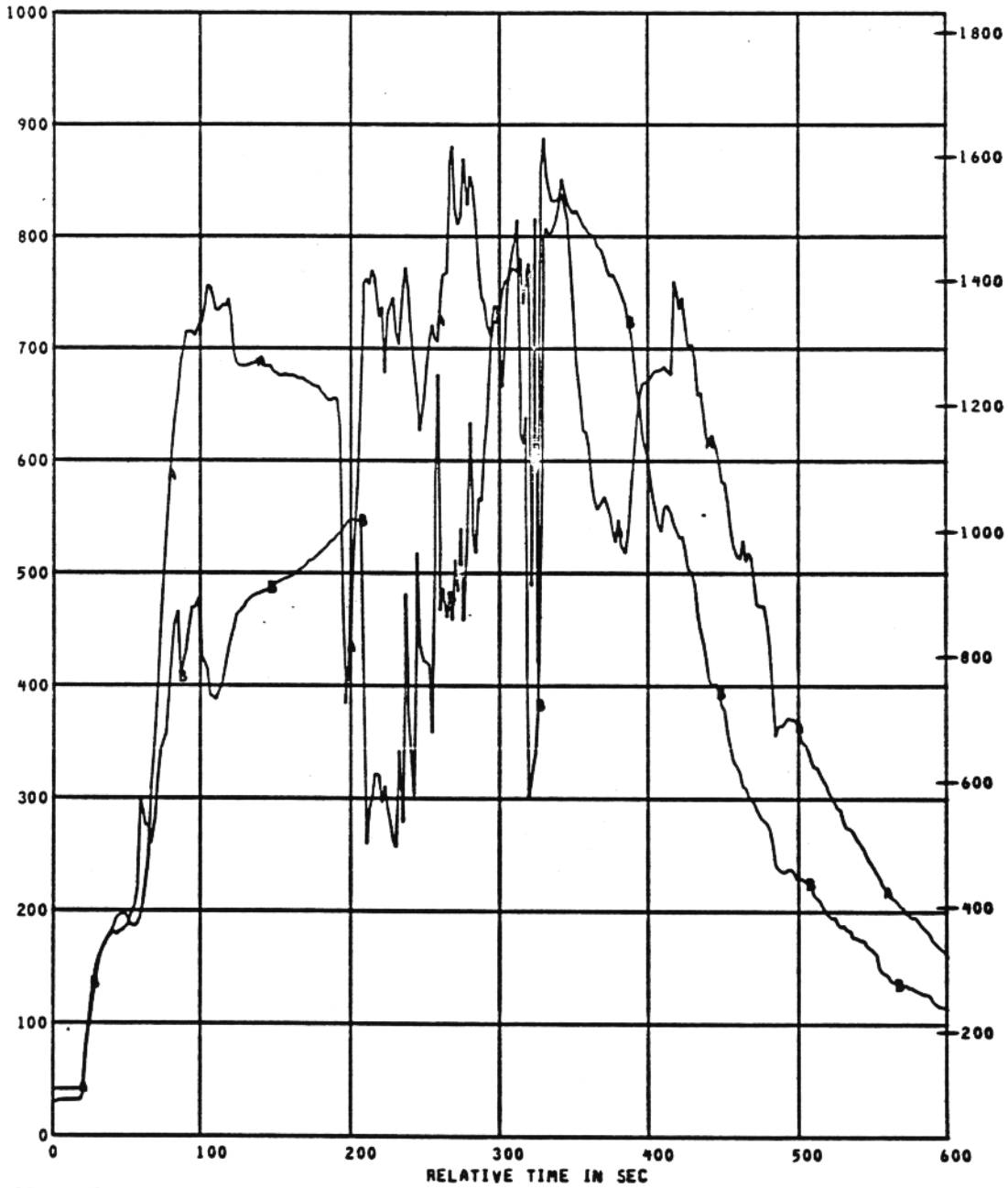
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 10 02 44.000



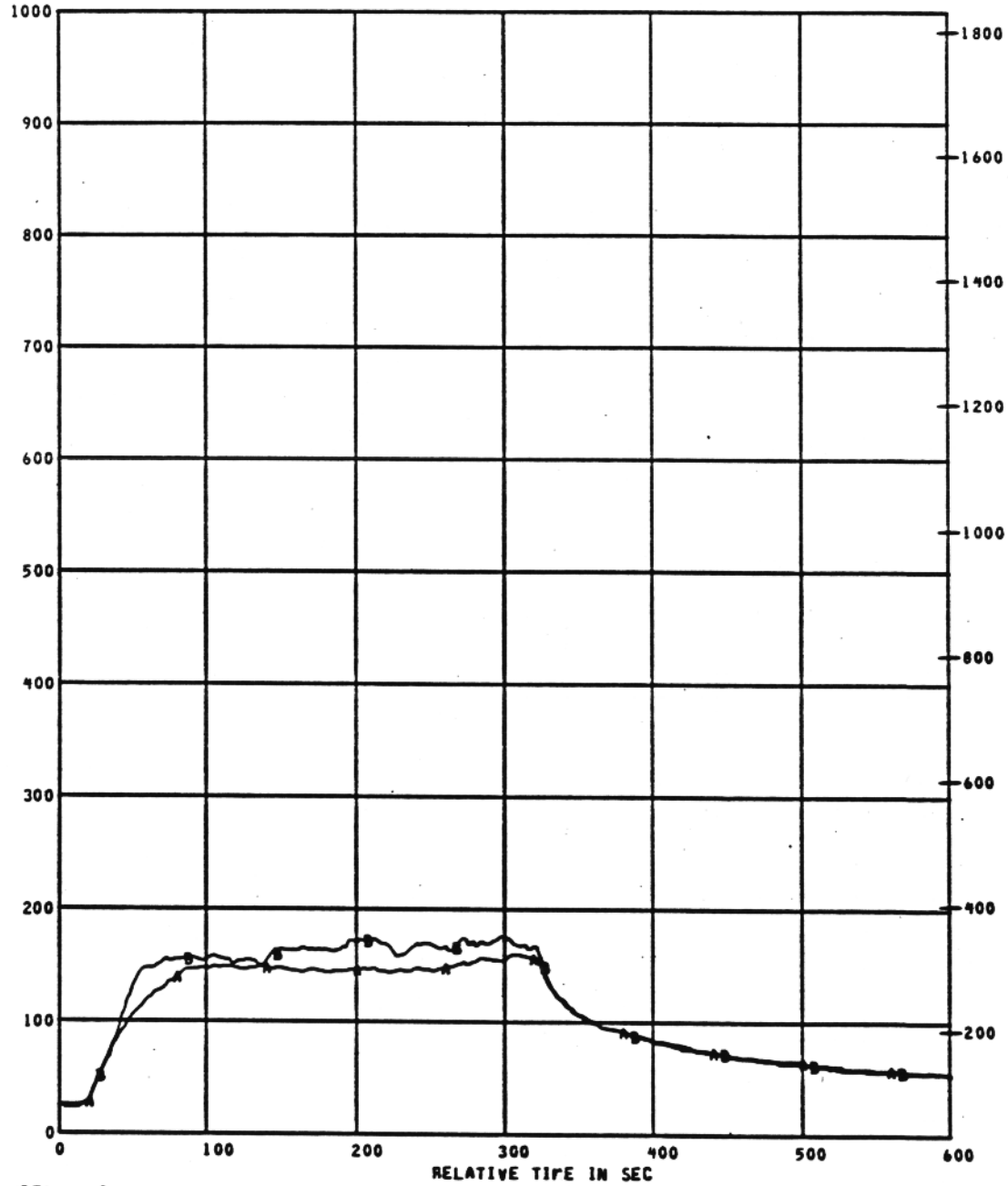
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 10 02 44.000



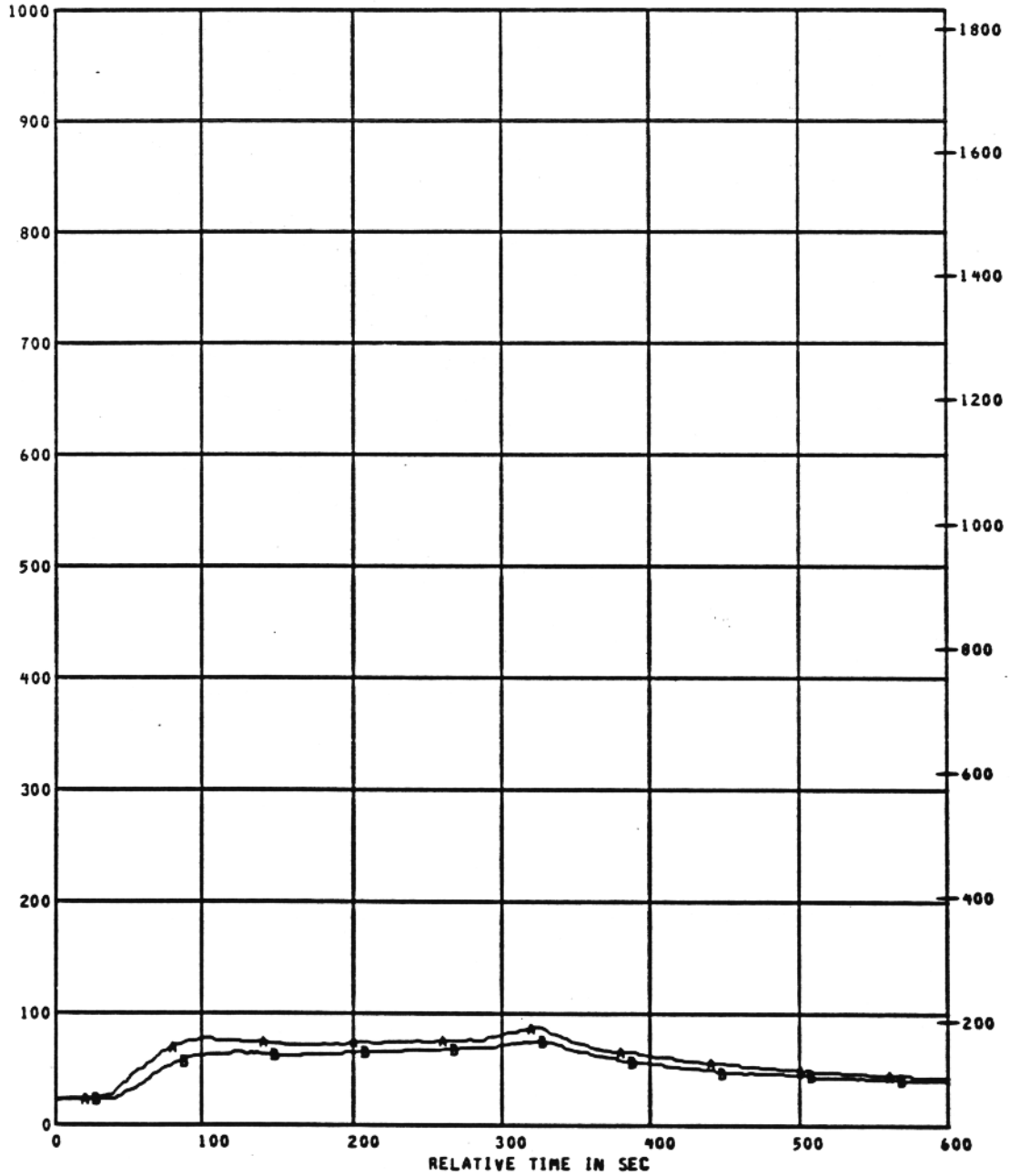
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 10 02 44.000



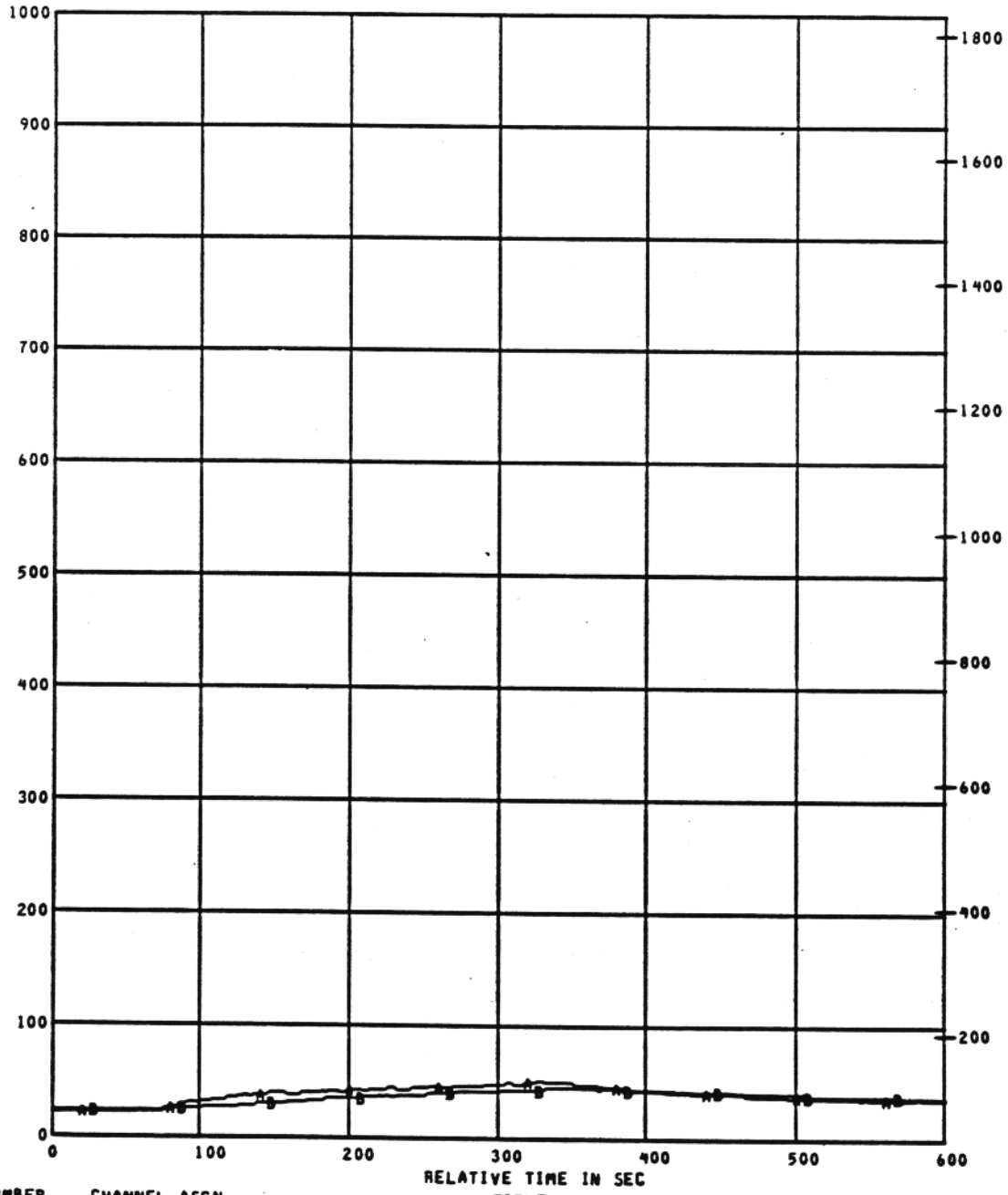
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 10 02 44.000



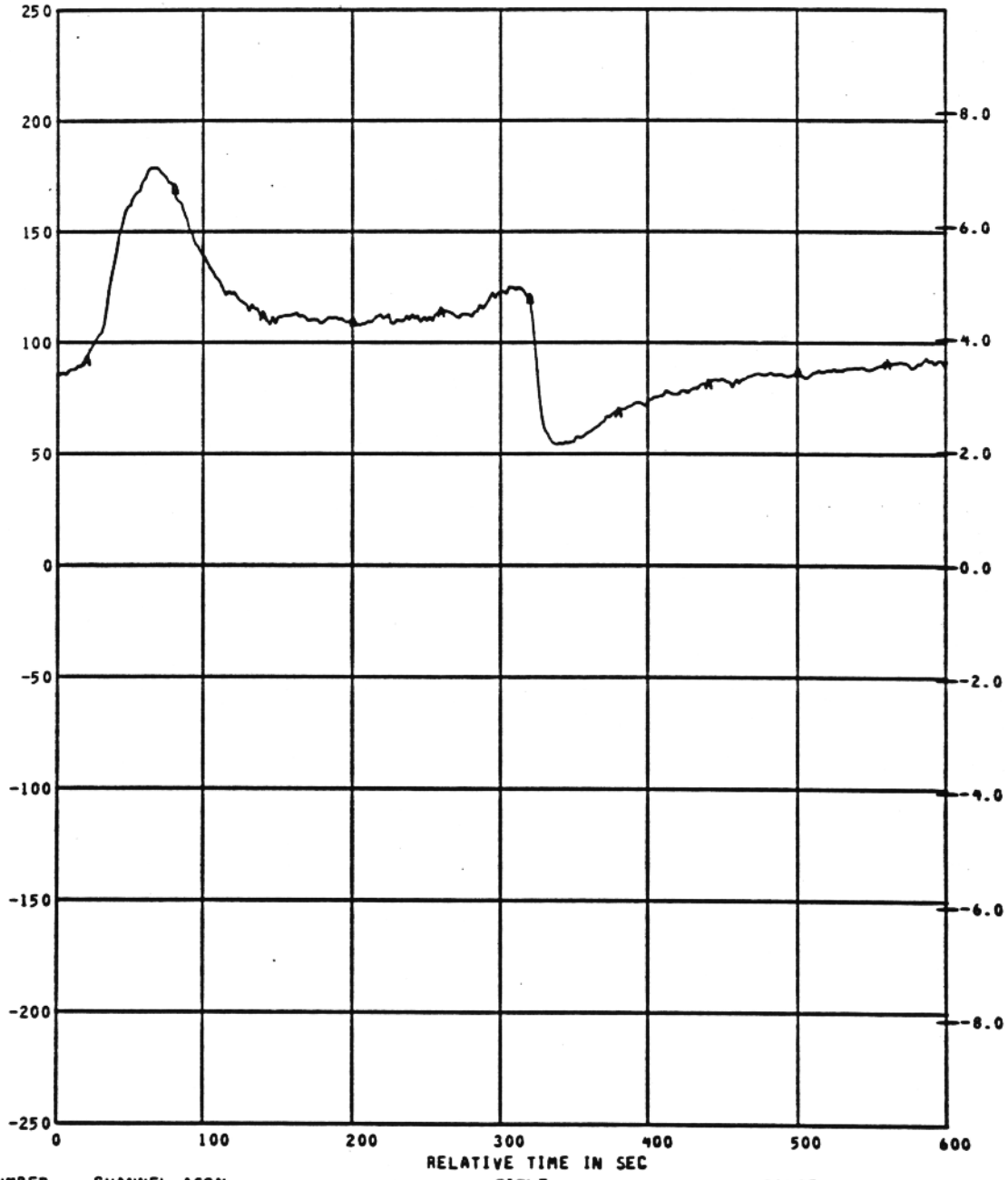
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 10 02 44.000



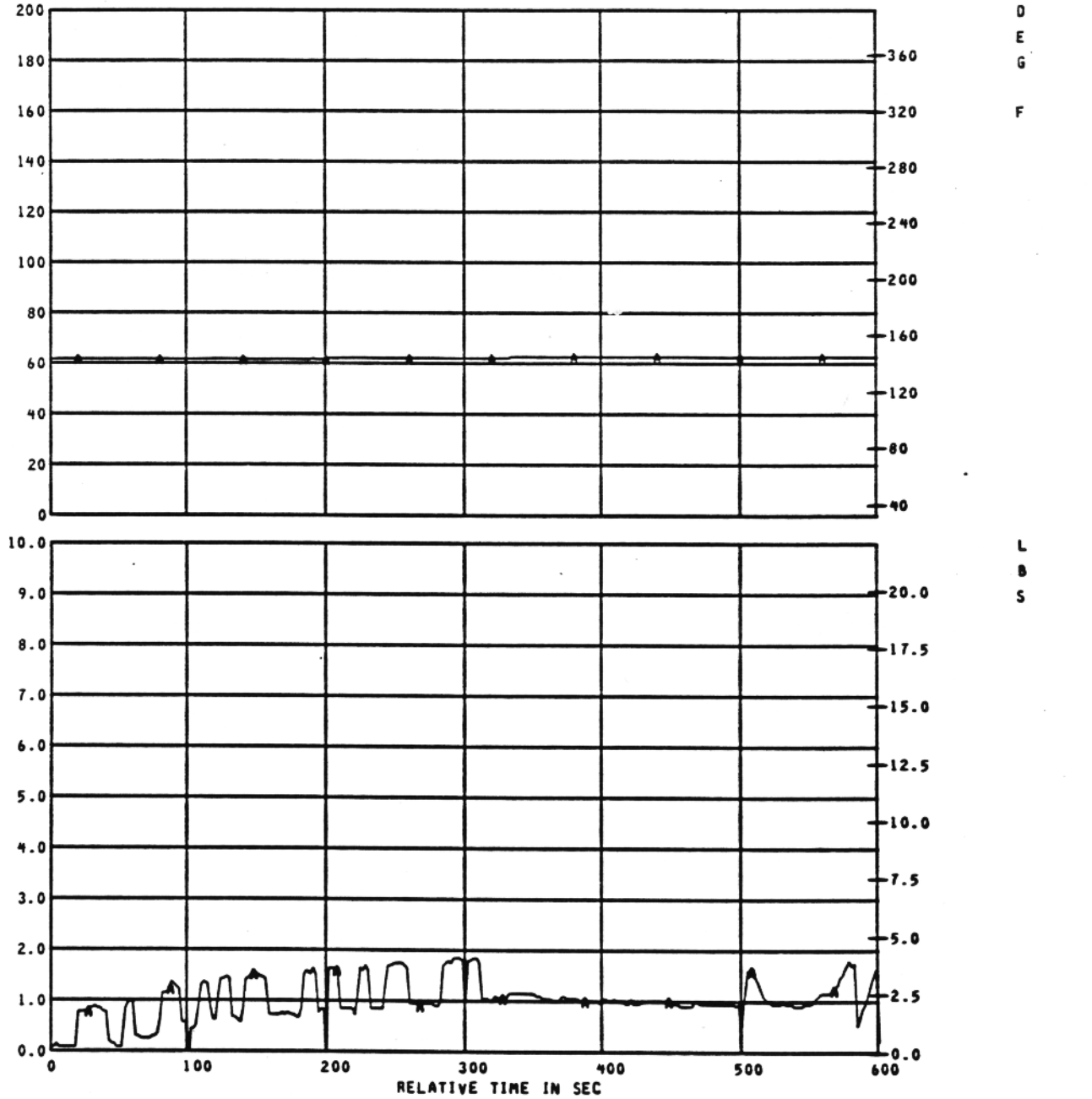
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 10 02 44.000



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

TEST ID NASA8 SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 10 02 44.000

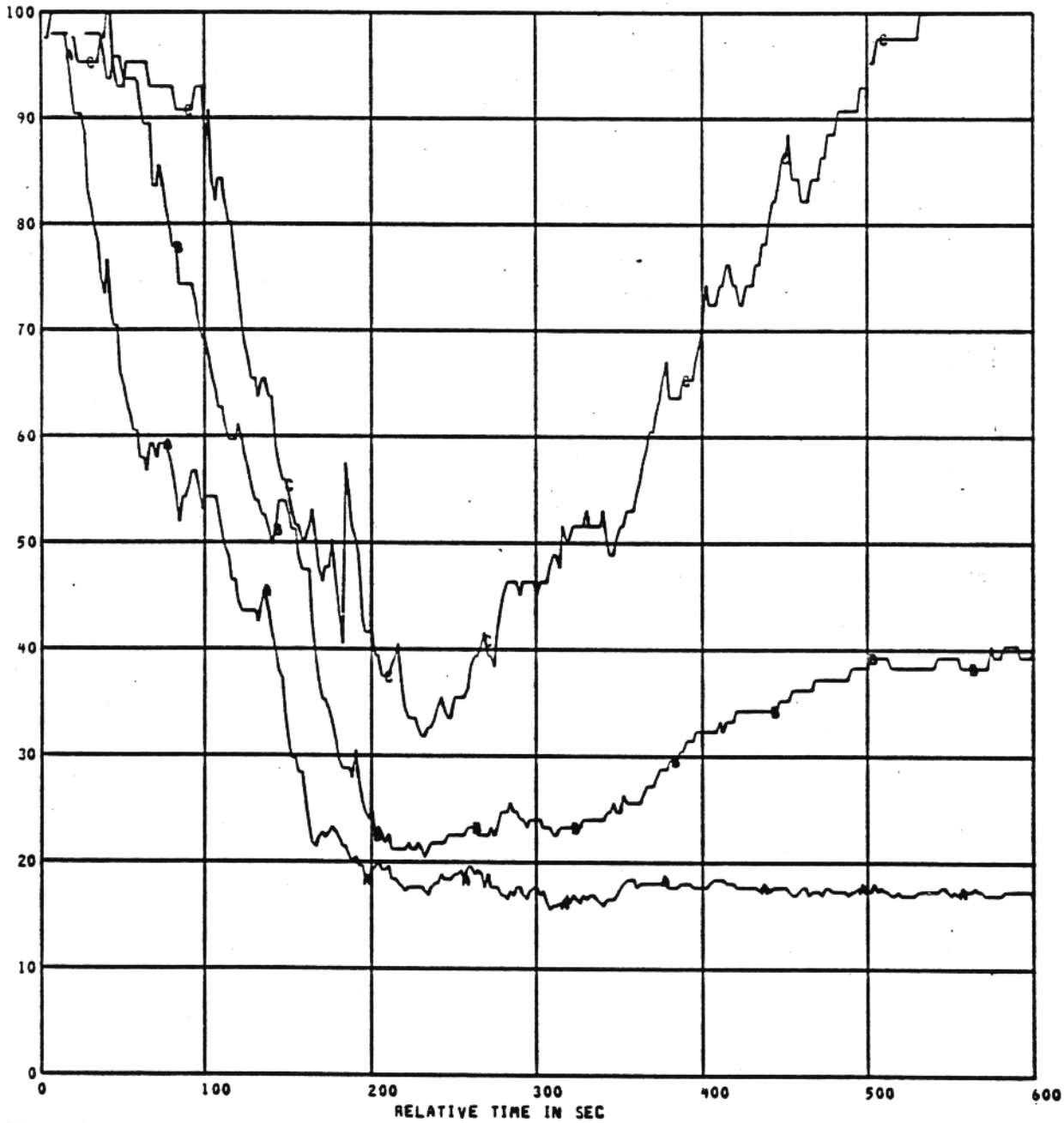


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

3.2 CUSHION DATA, FUEL PAN TESTS

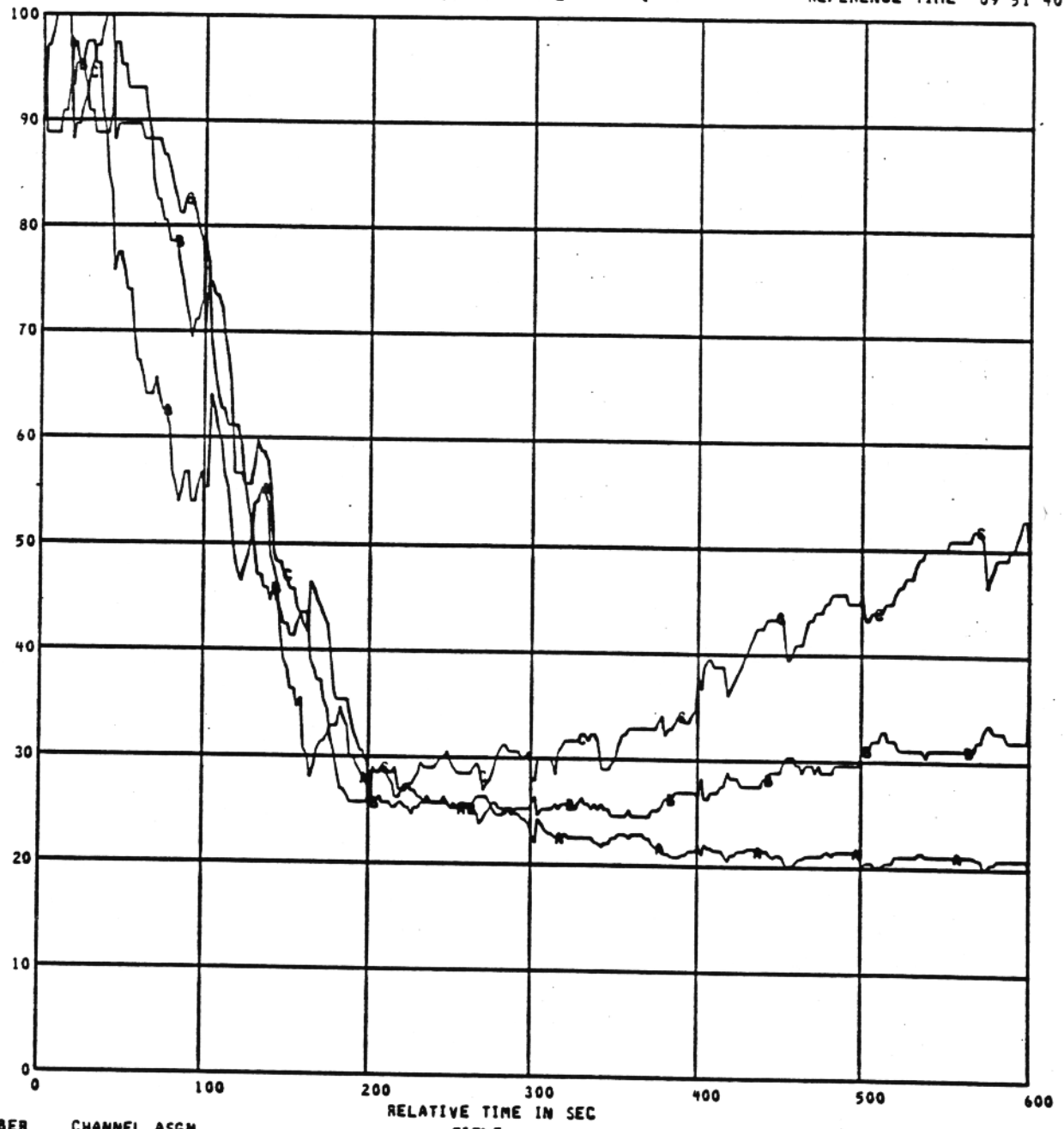
		Page
NAS 1B	Cushion Configuration 1	164-183
NAS 2B	Cushion Configuration 2	184-204
NAS 3B	Cushion Configuration 3	205-224
NAS 4B	Cushion Configuration 4	225-244
NAS 5B	Cushion Configuration 5	245-264
NAS 6B	Cushion Configuration 6	265-284
NAS 7B	Cushion Configuration 7	285-304
NAS 8B	Cushion Configuration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

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 09 51 40.000



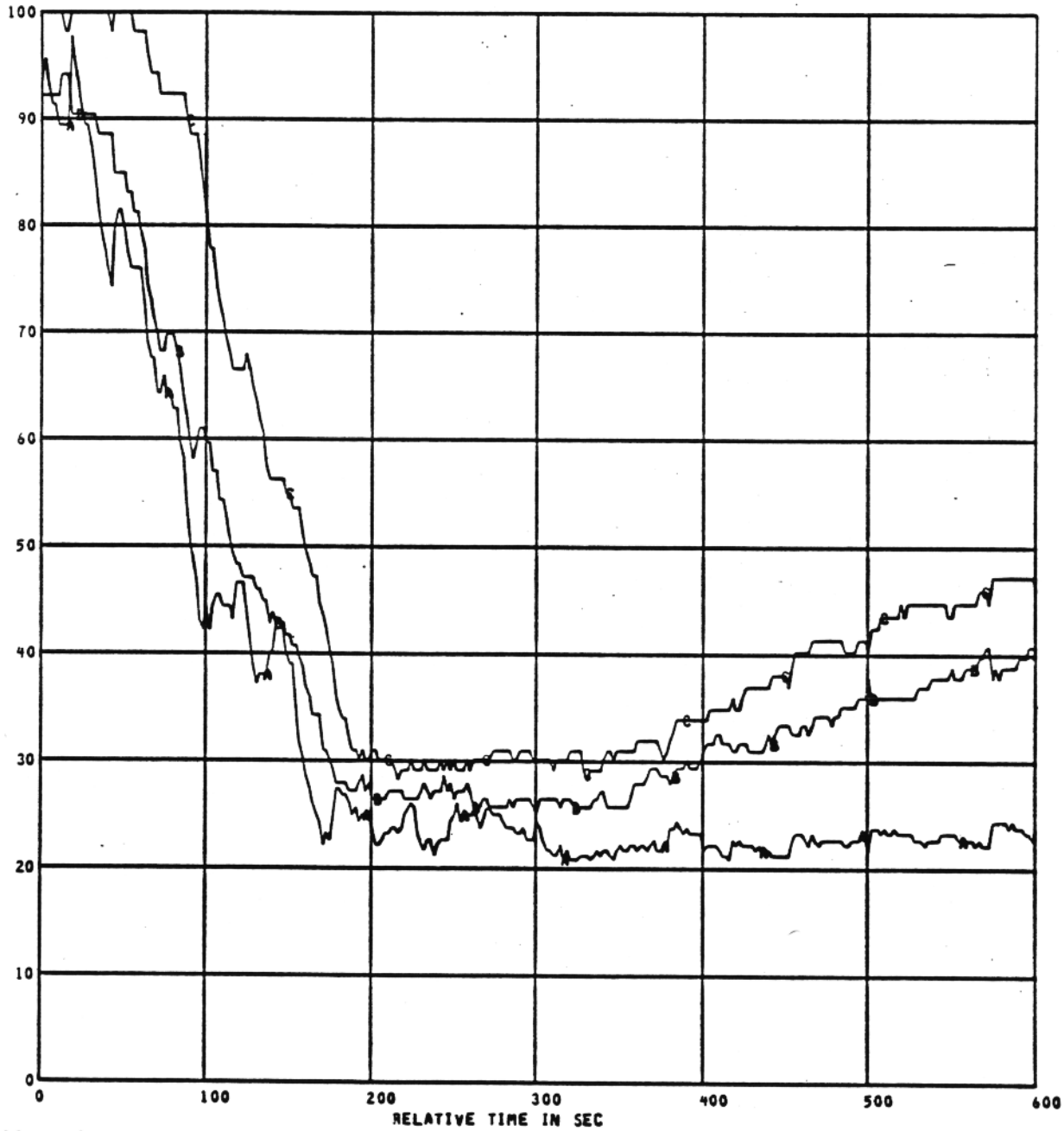
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 09 51 40.000



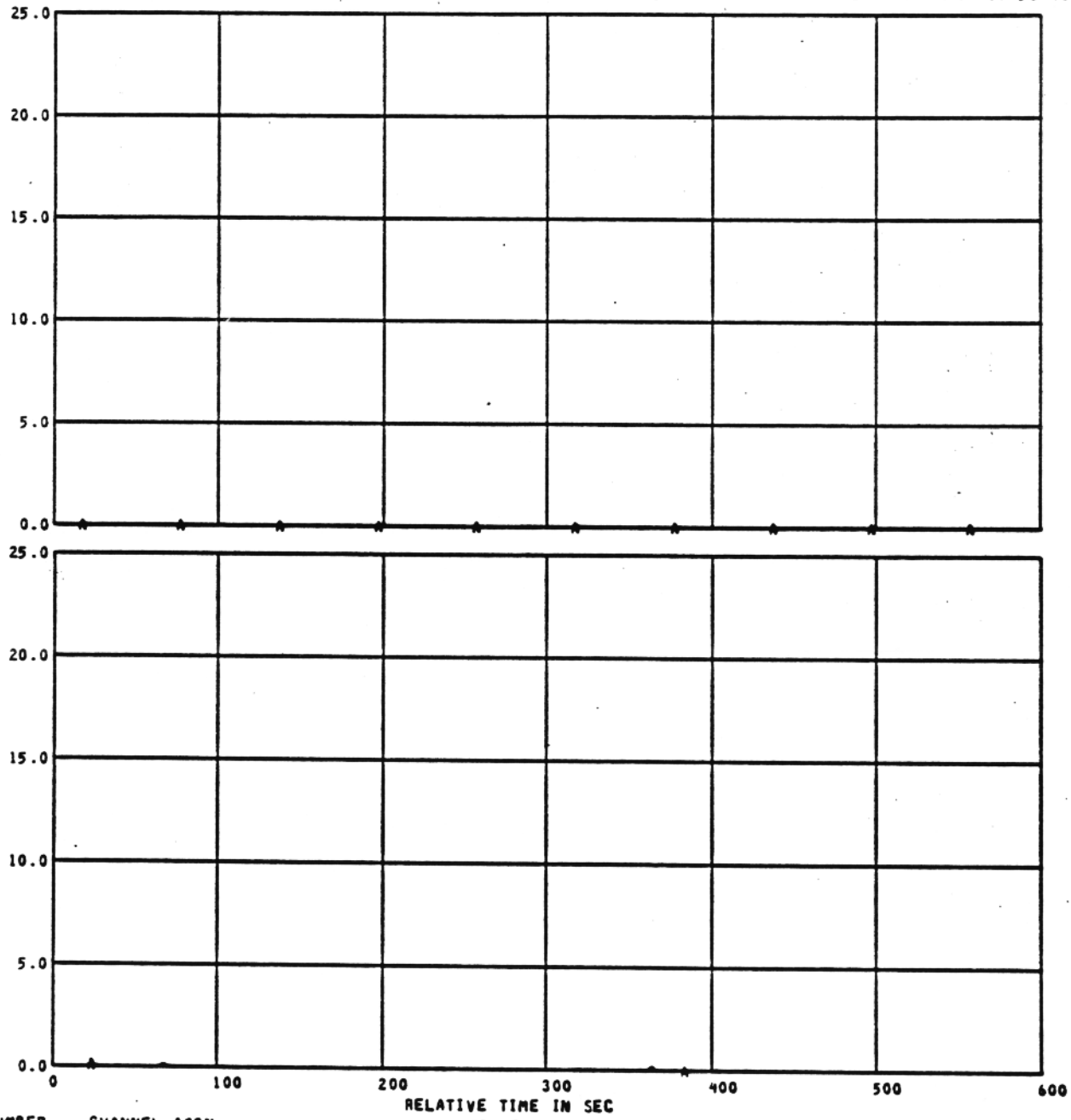
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 09 51 40.000



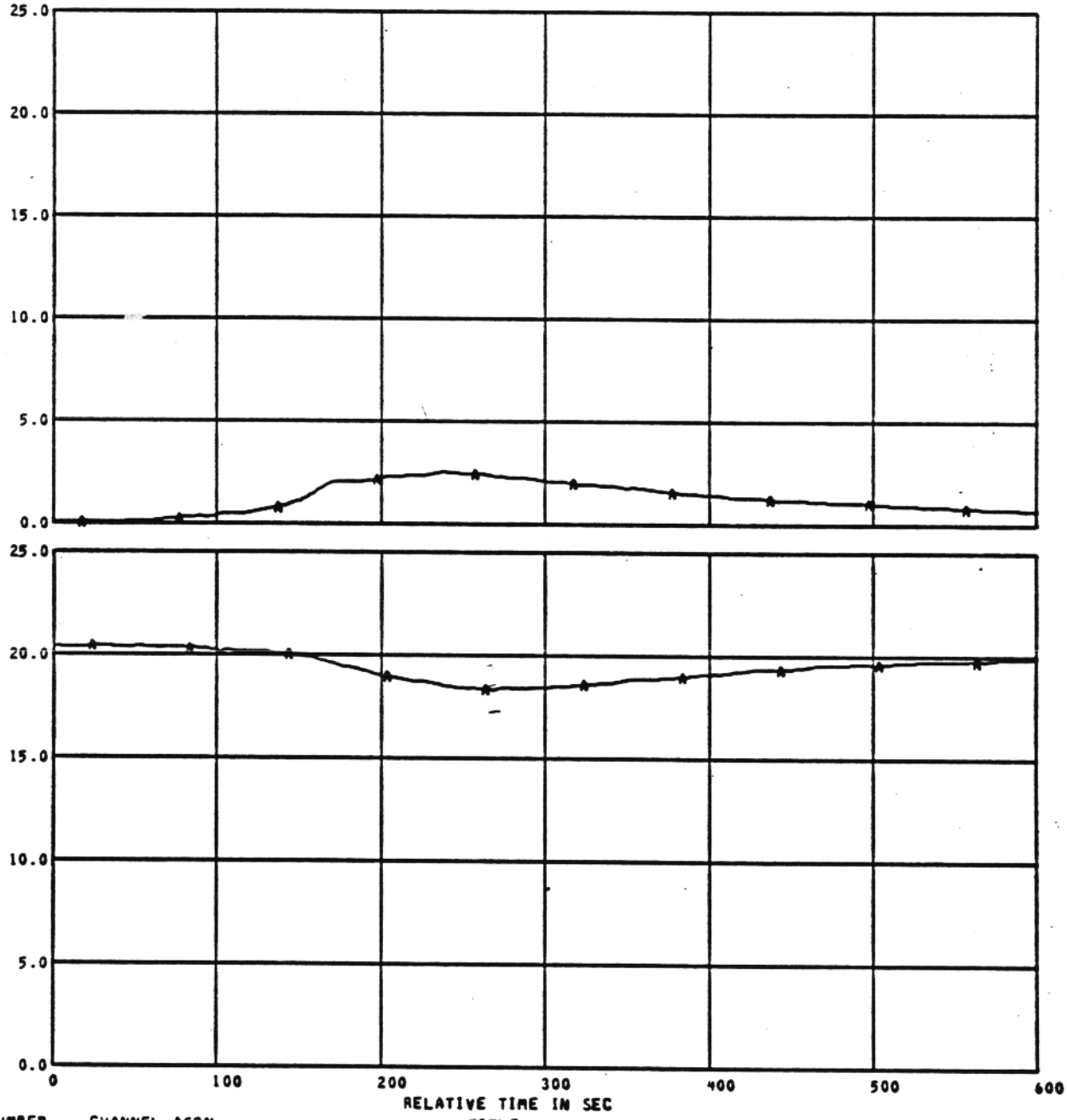
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 09 51 40.000



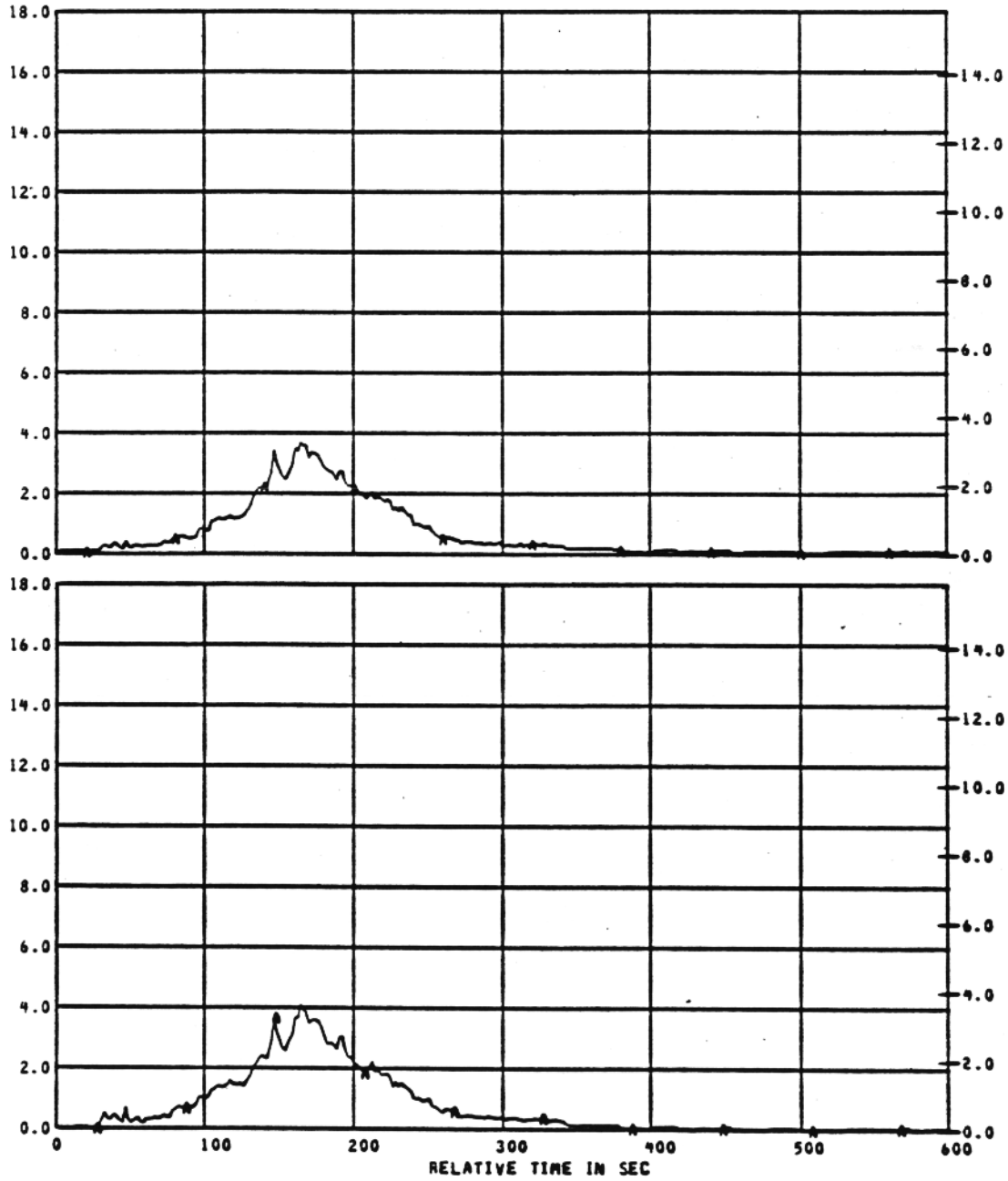
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 09 51 40.000



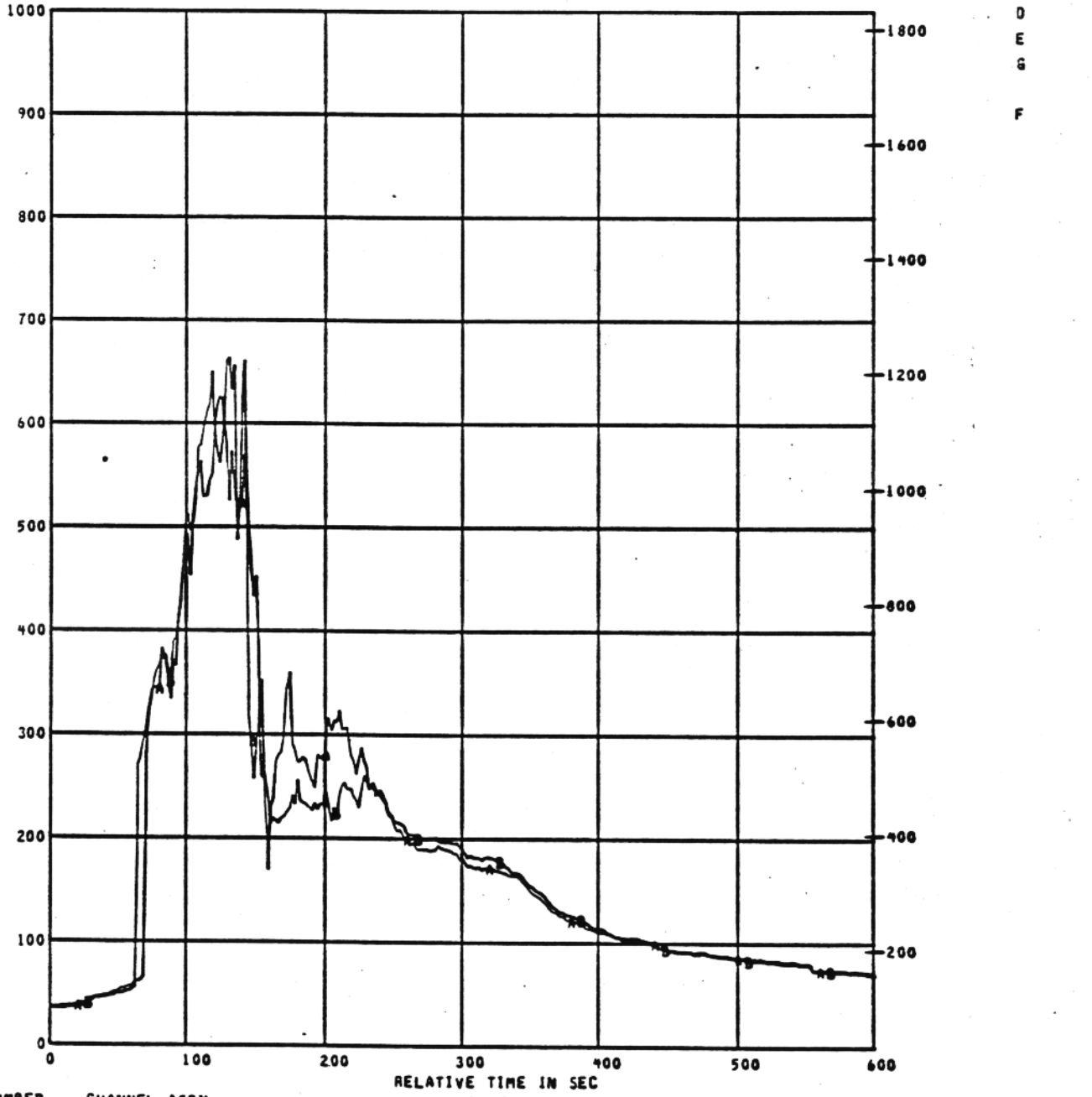
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 09 51 40.000



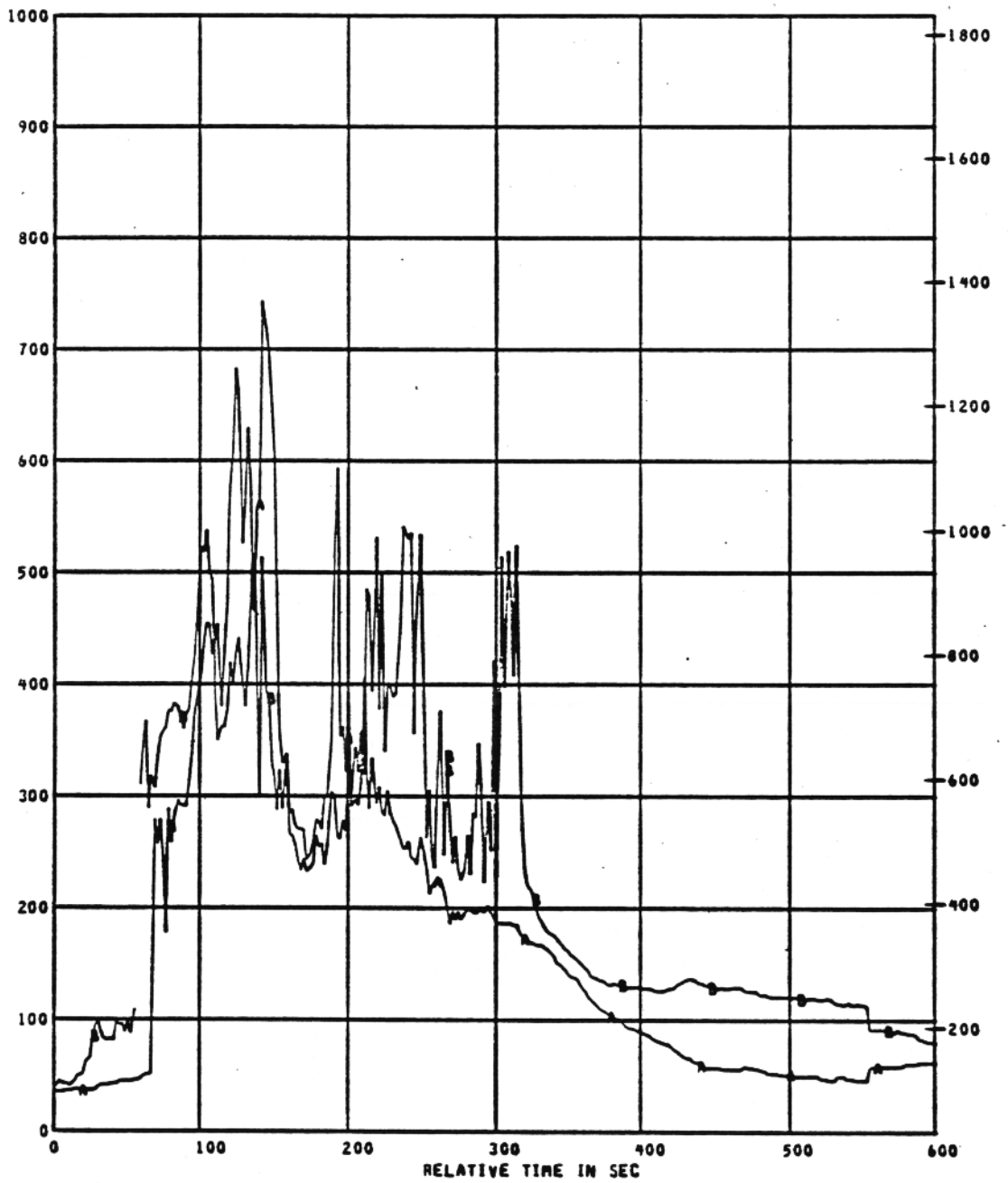
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 09 51 40.000



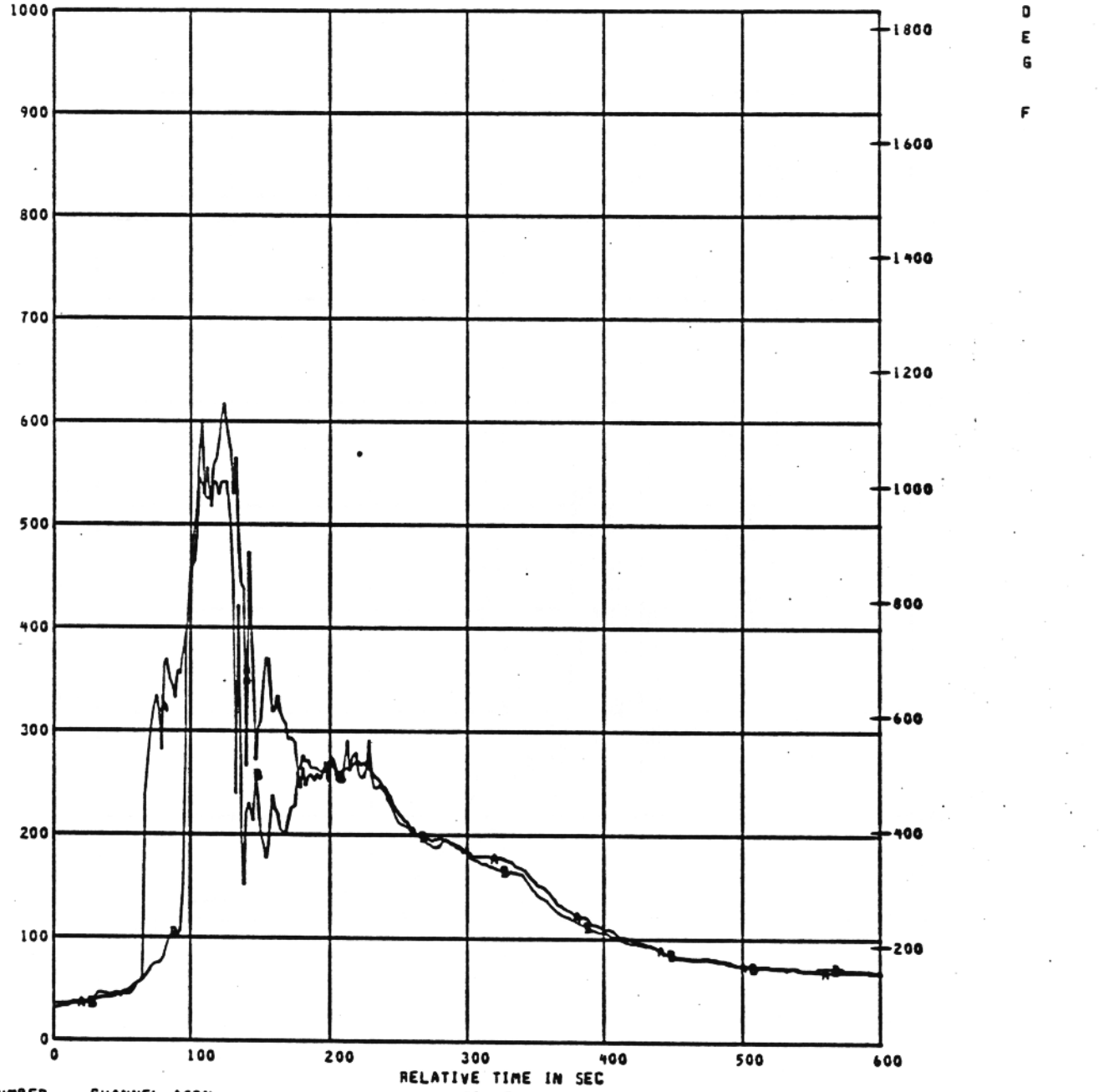
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 09 51 40.000



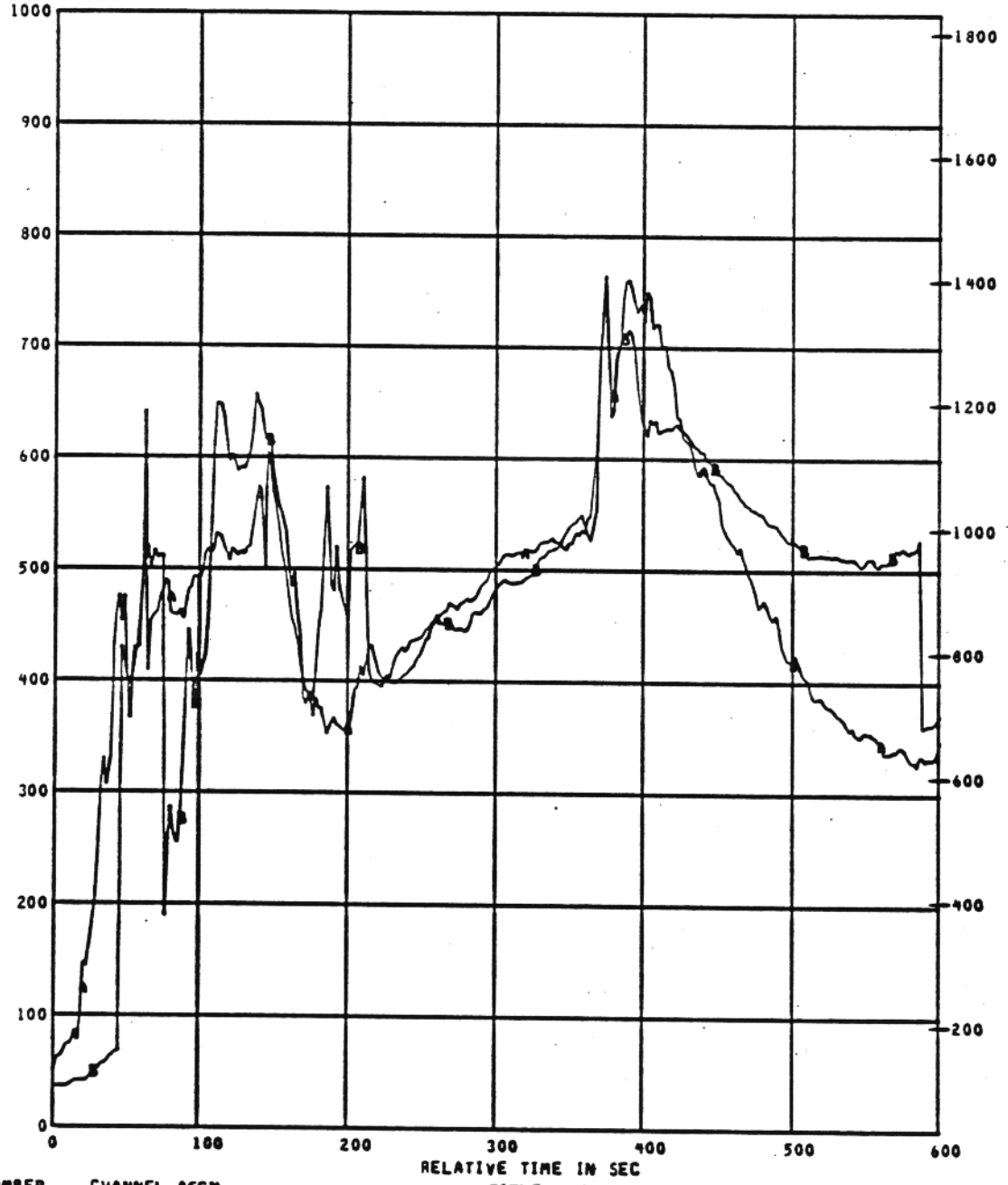
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 09 51 40.000



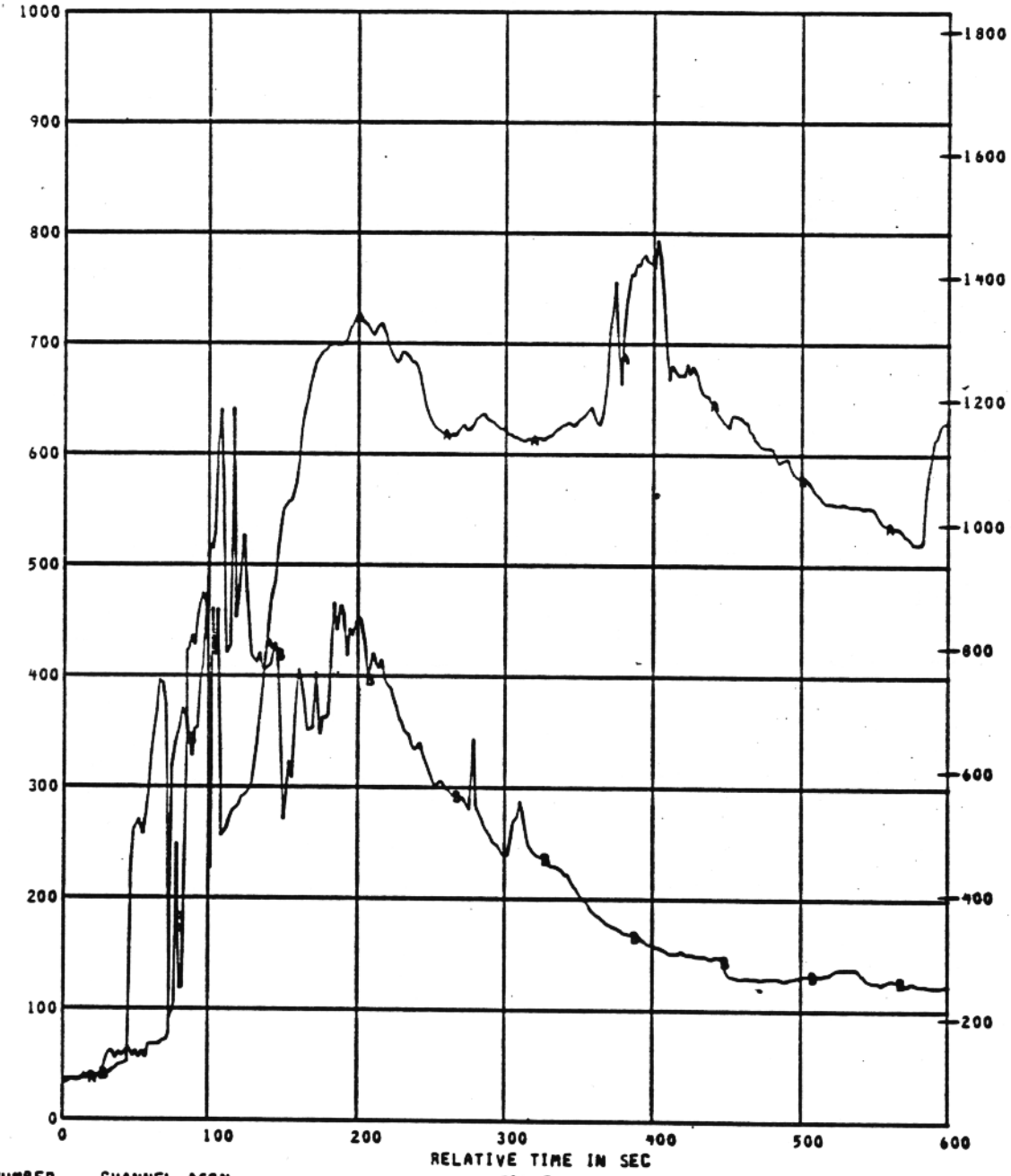
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 09 51 40.000



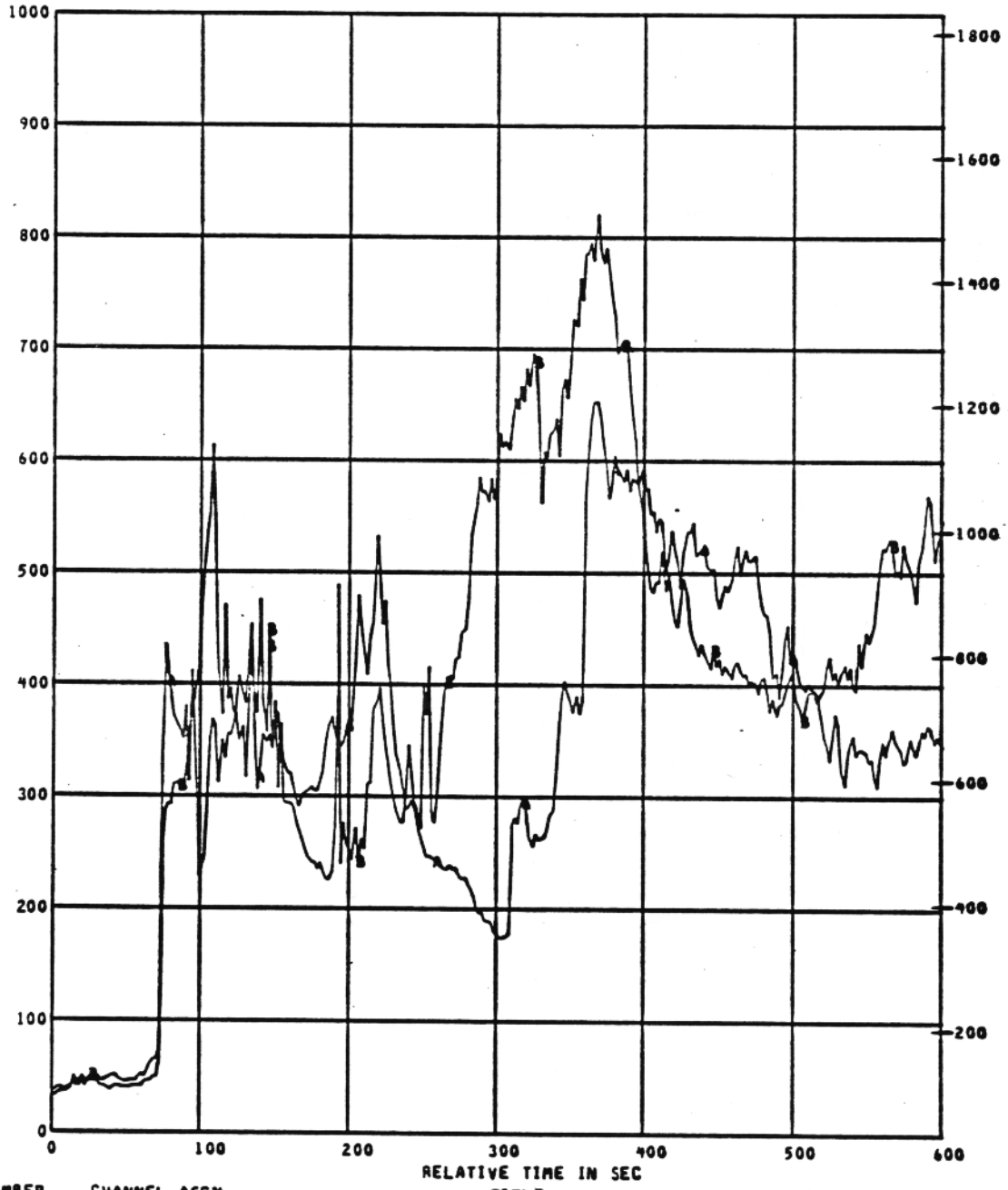
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 09 51 40.000



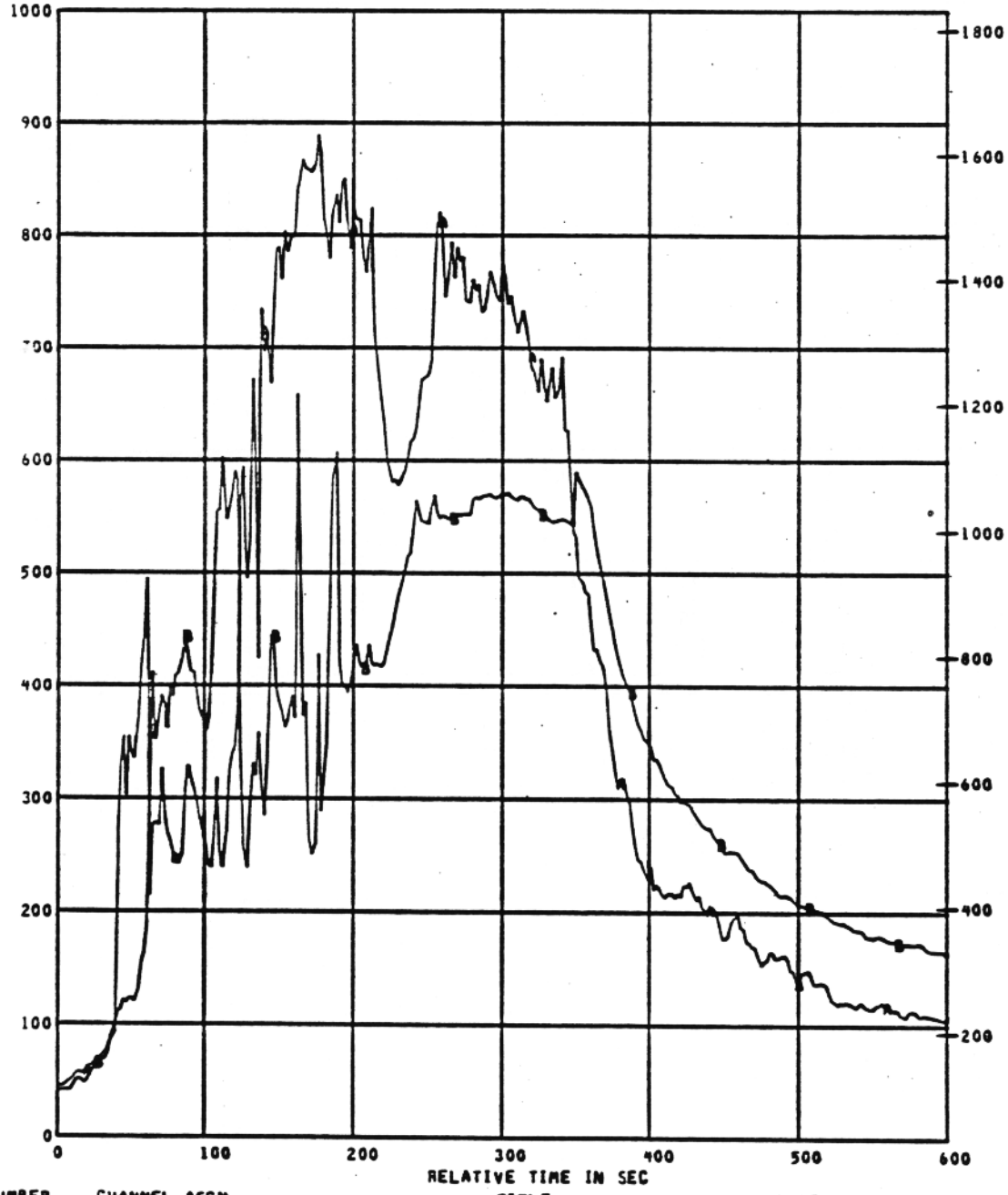
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 09 51 40.000



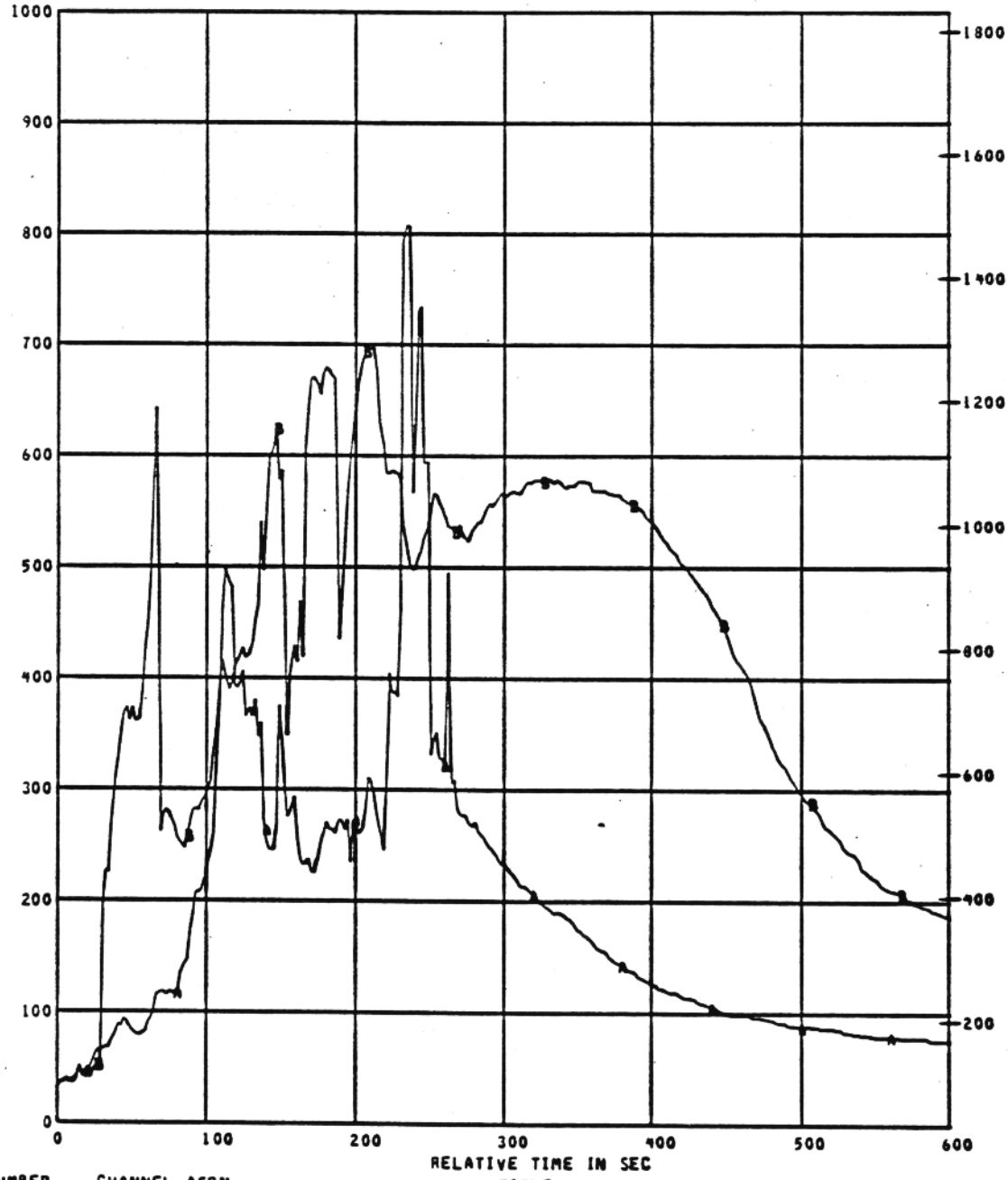
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS18 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 09 51 40.000



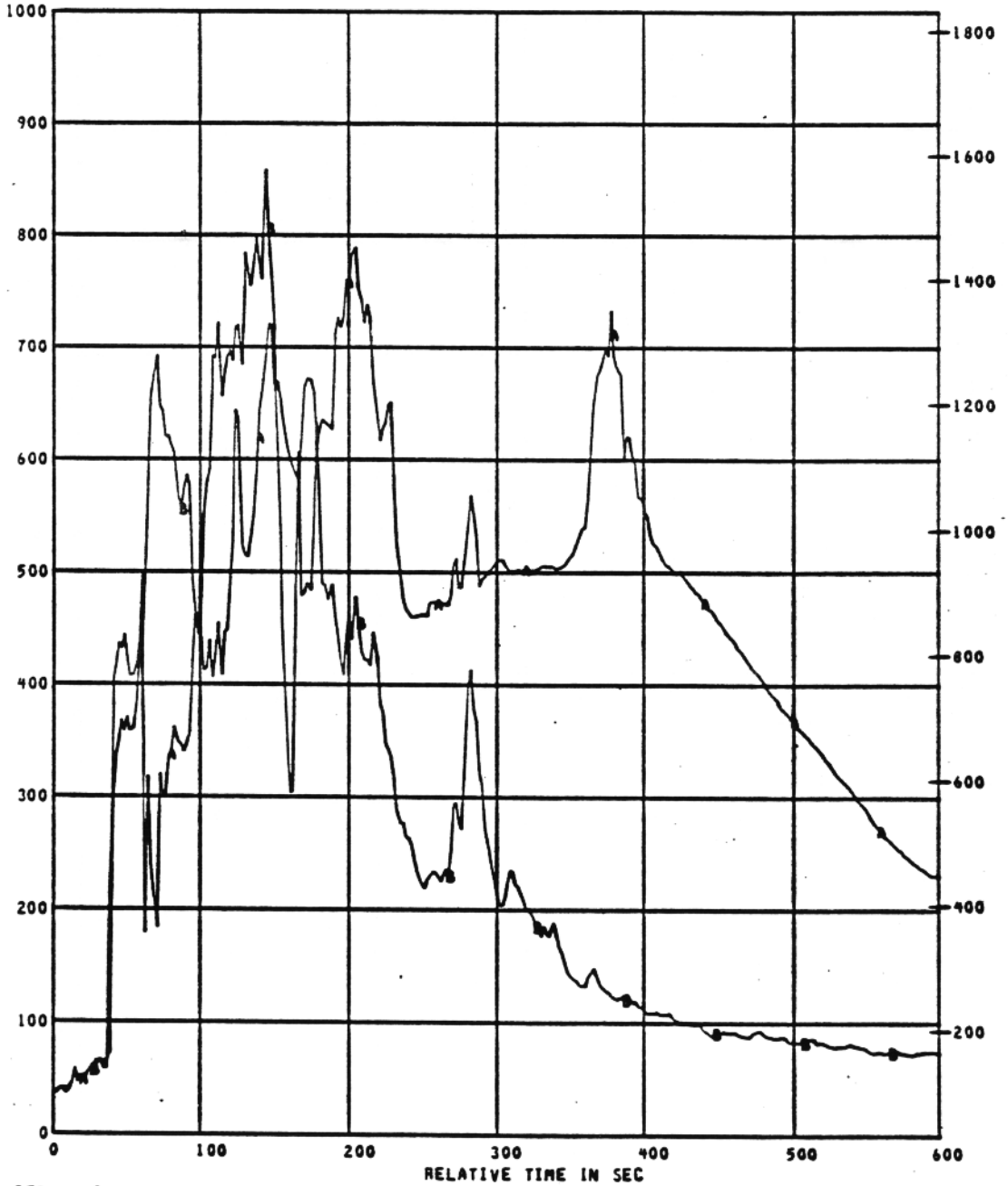
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 09 51 40.000



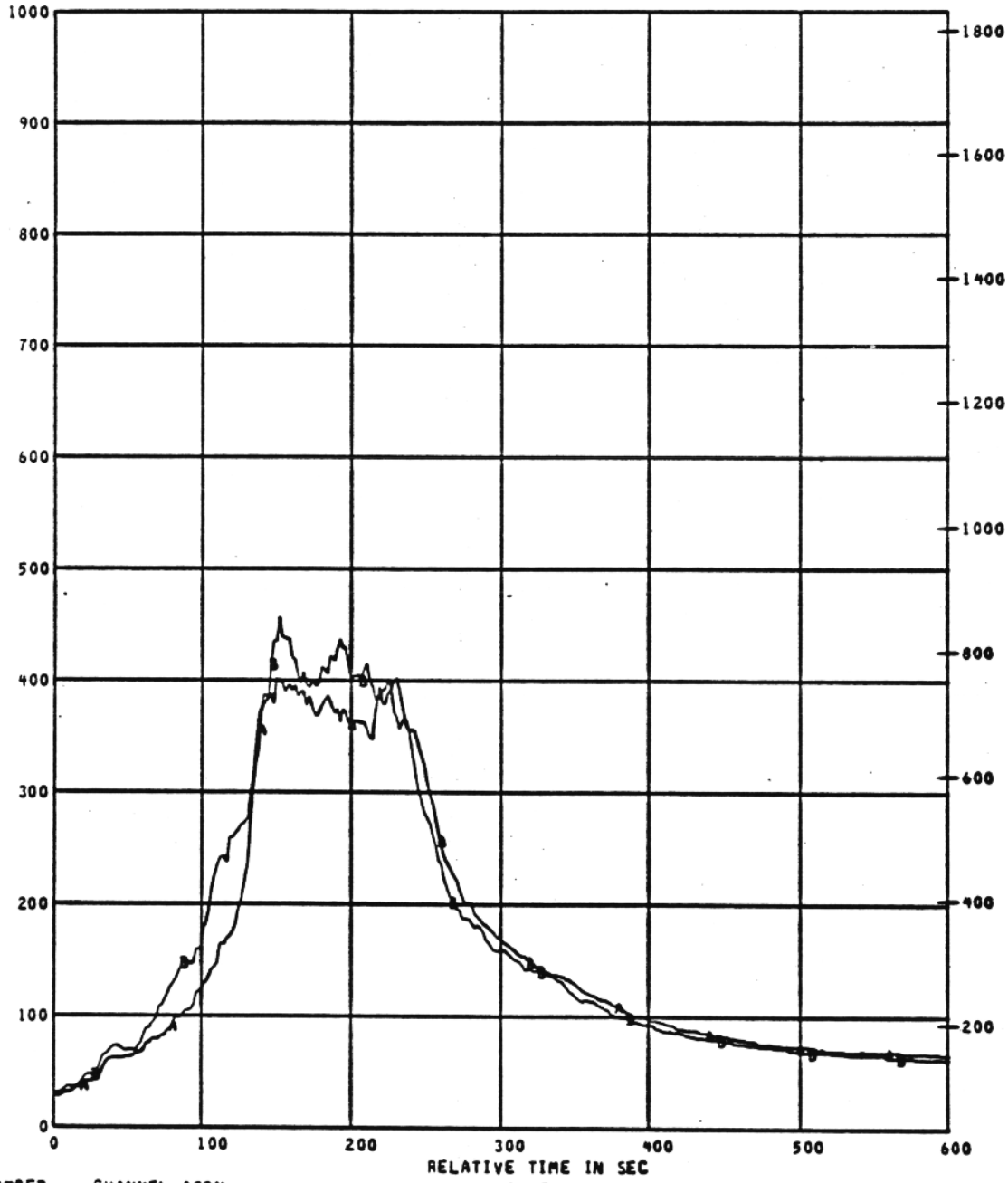
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 09 51 40.000



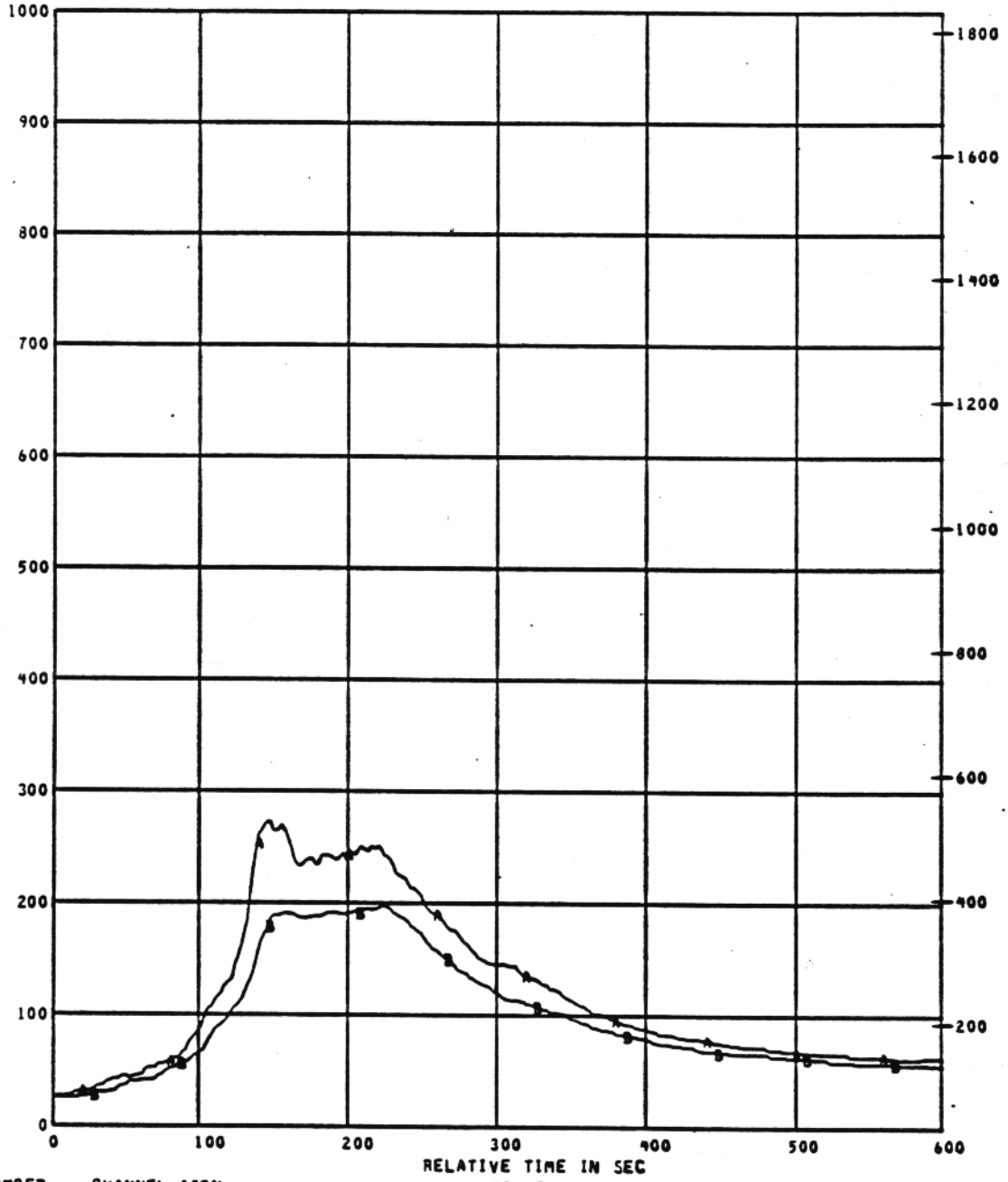
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 09 51 40.000



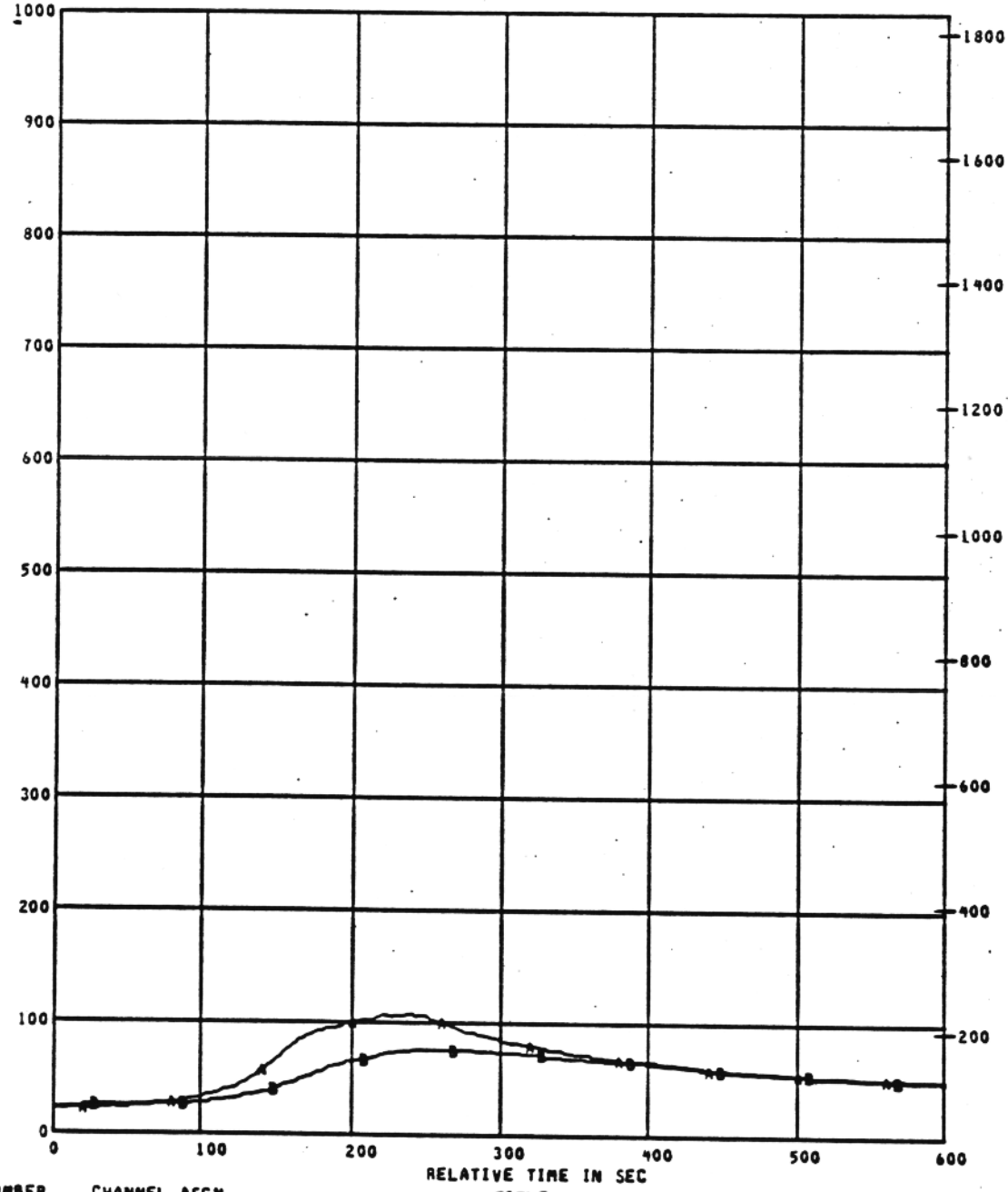
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 09 51 40.000



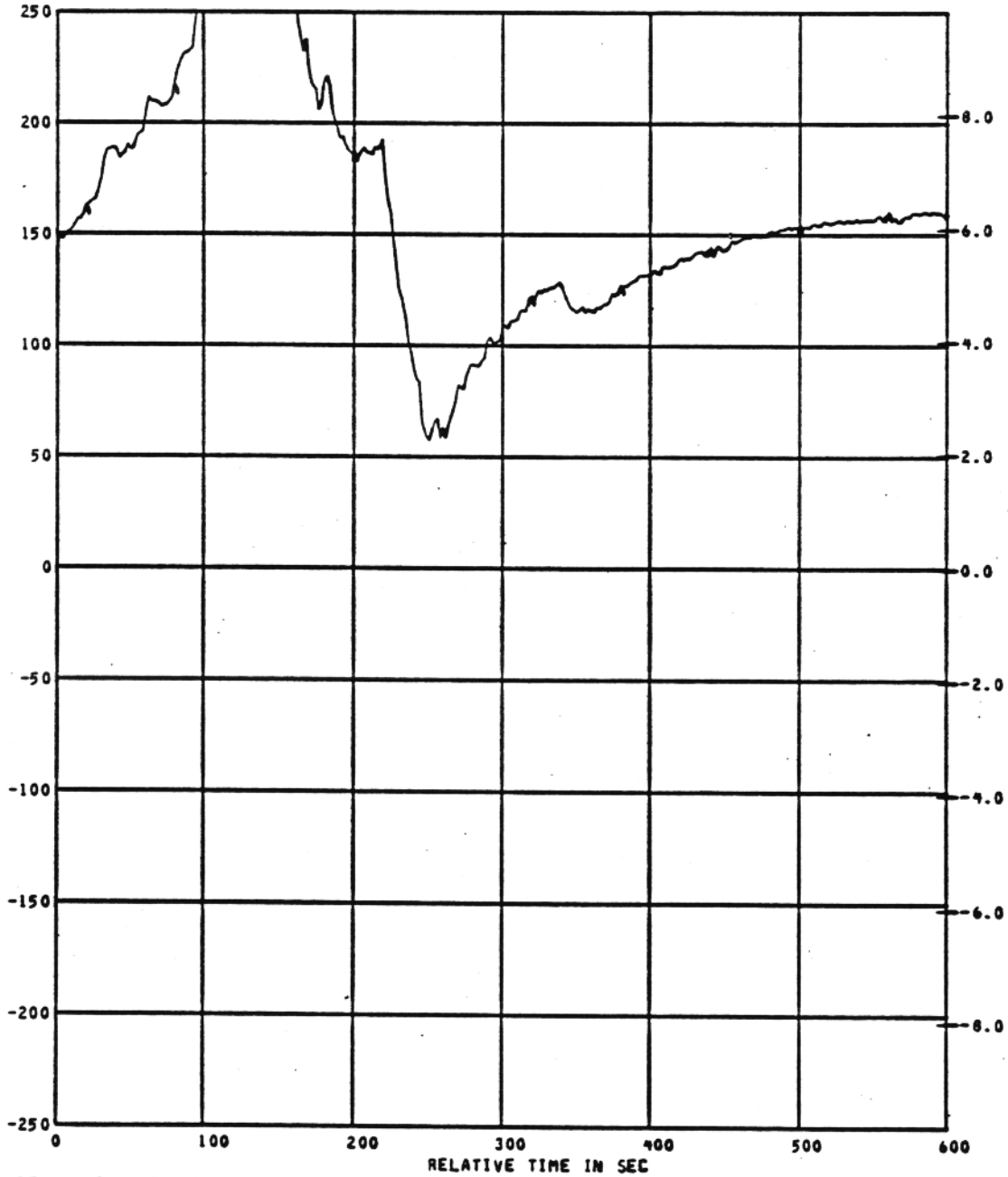
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 09 51 40.000



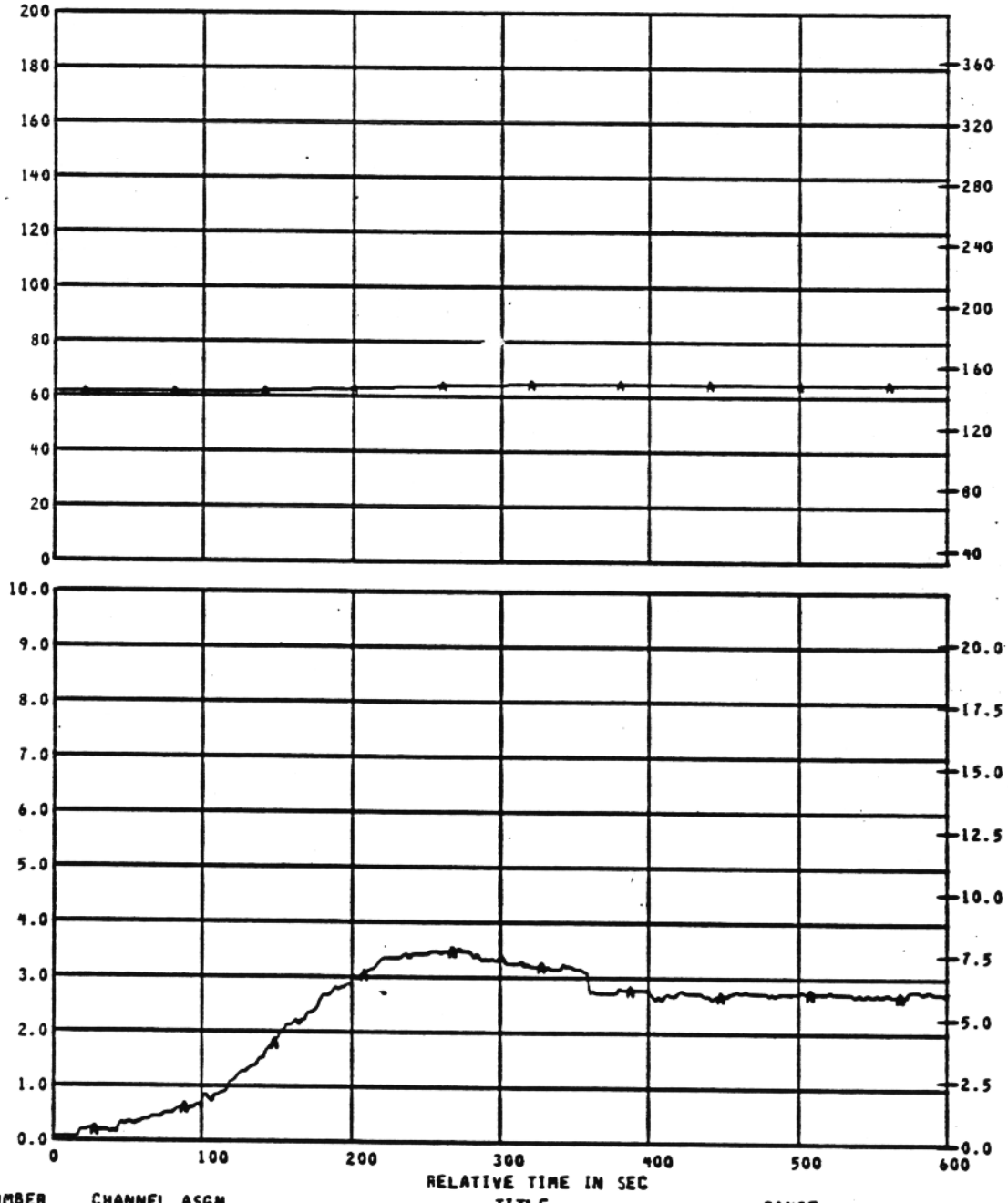
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 09 51 40.000



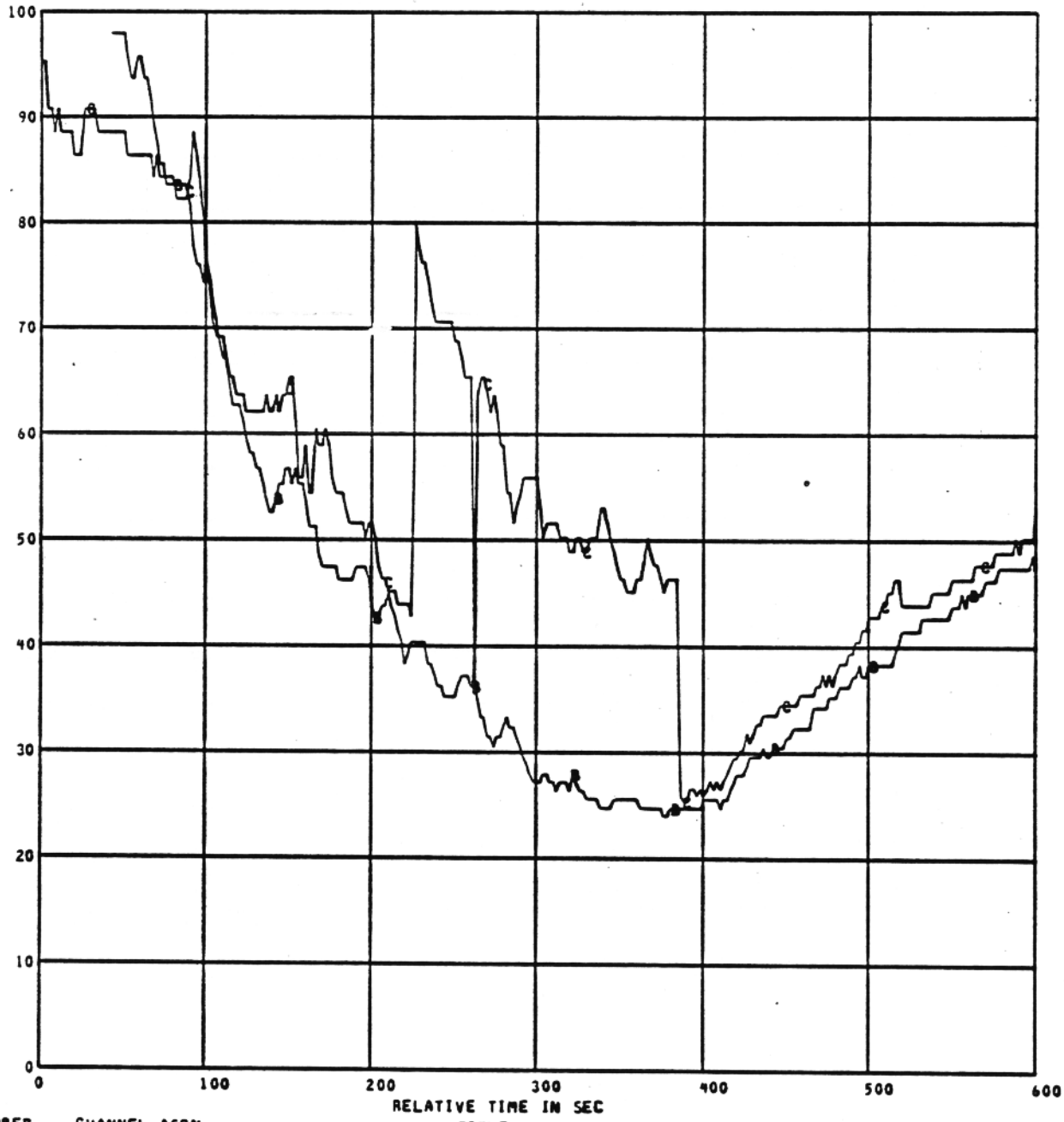
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H20	AA

TEST ID NAS1B SEAT TST-OCT 1980 PLOT NO 20 - I REFERENCE TIME 09 51 40.000



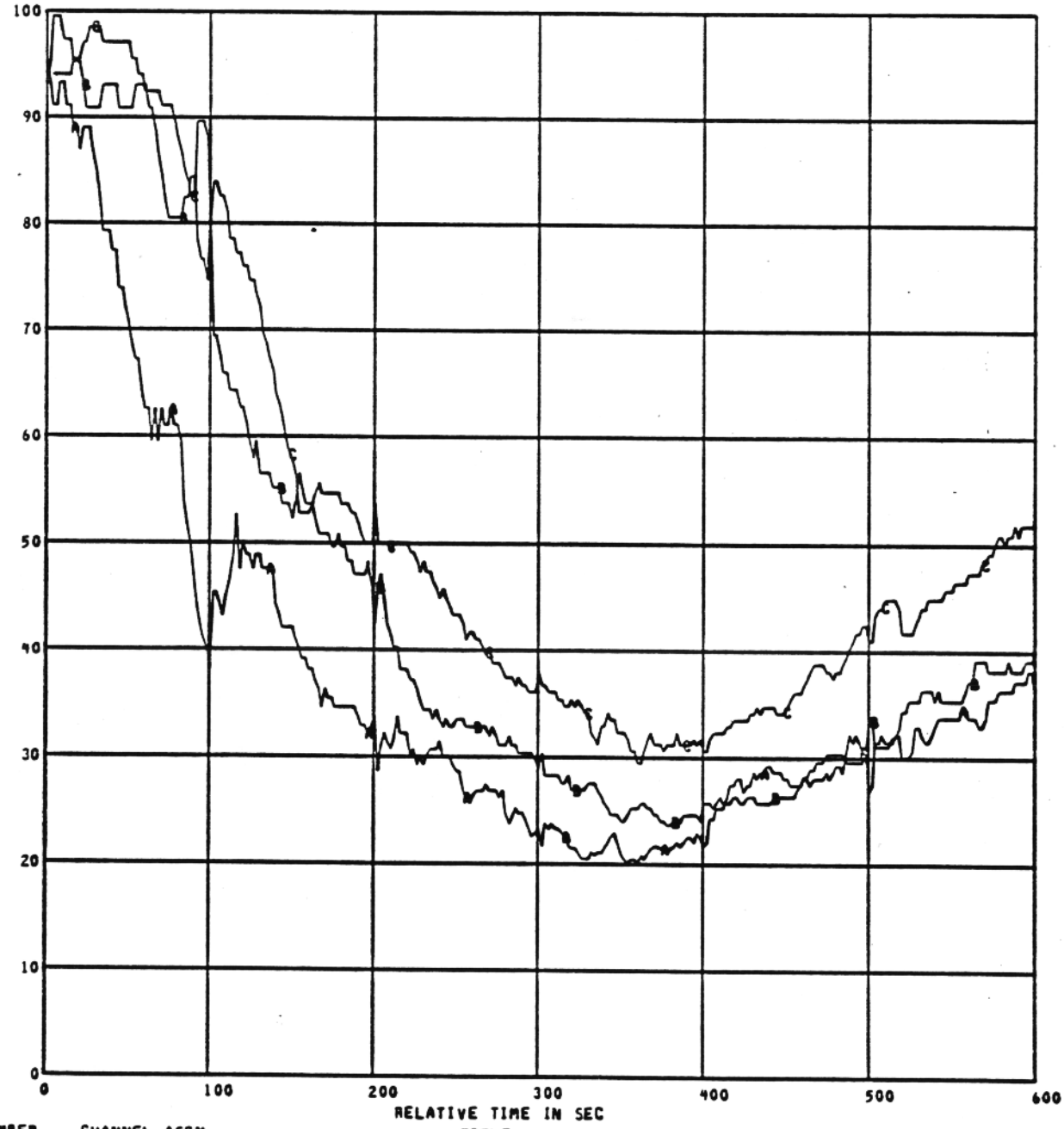
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 14 08 03.000



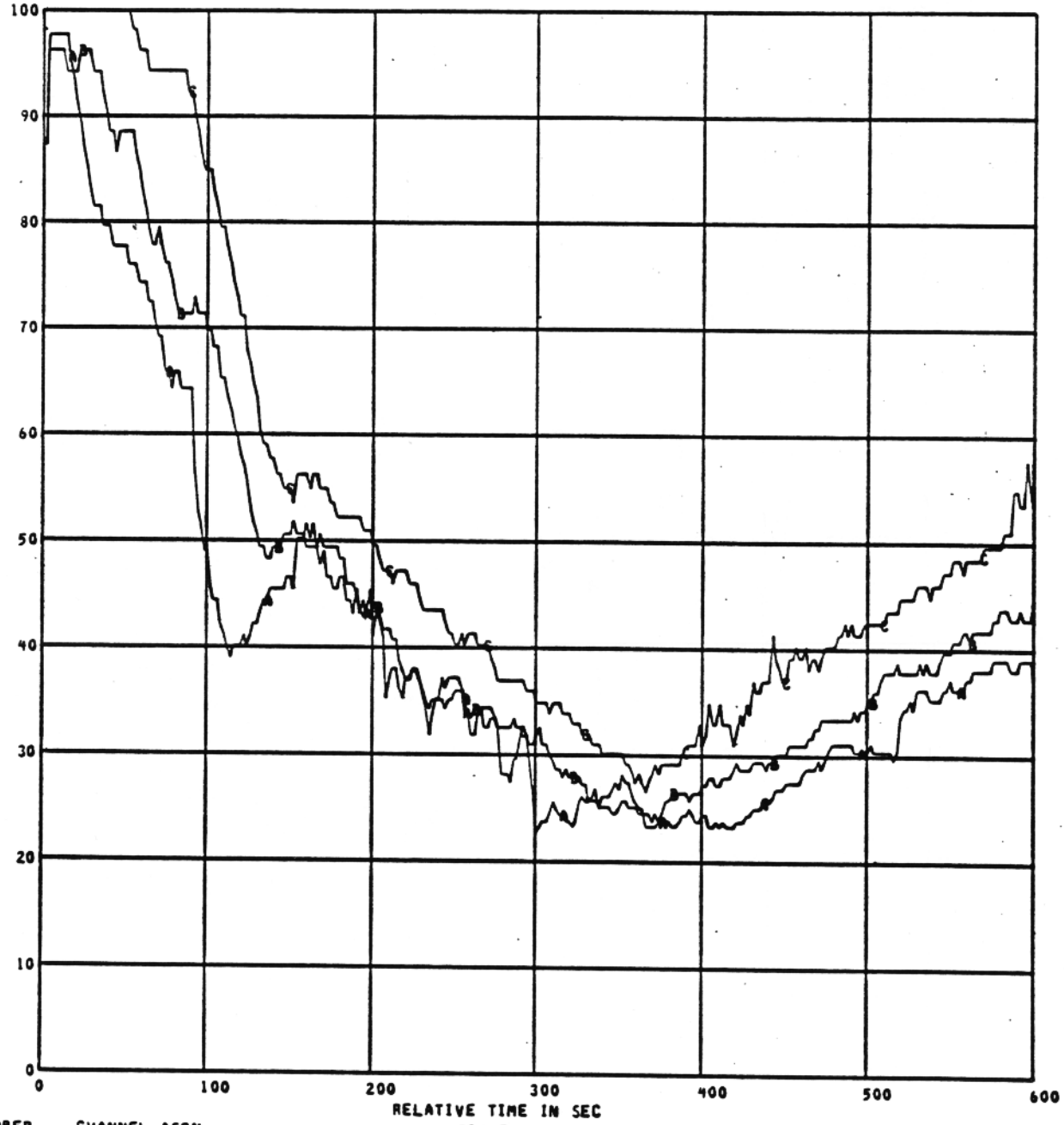
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 14 08 03.000



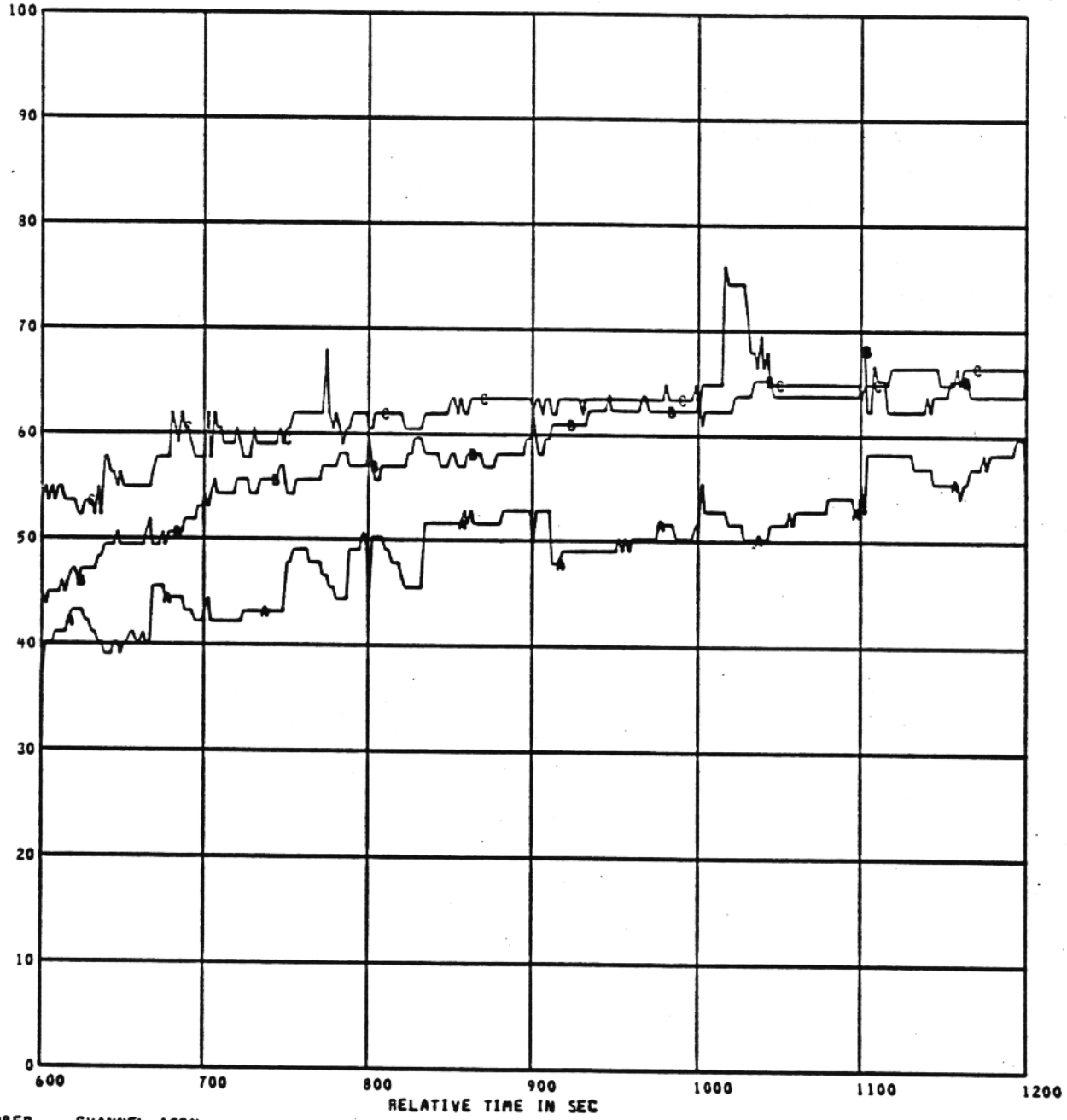
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 14 08 03.000



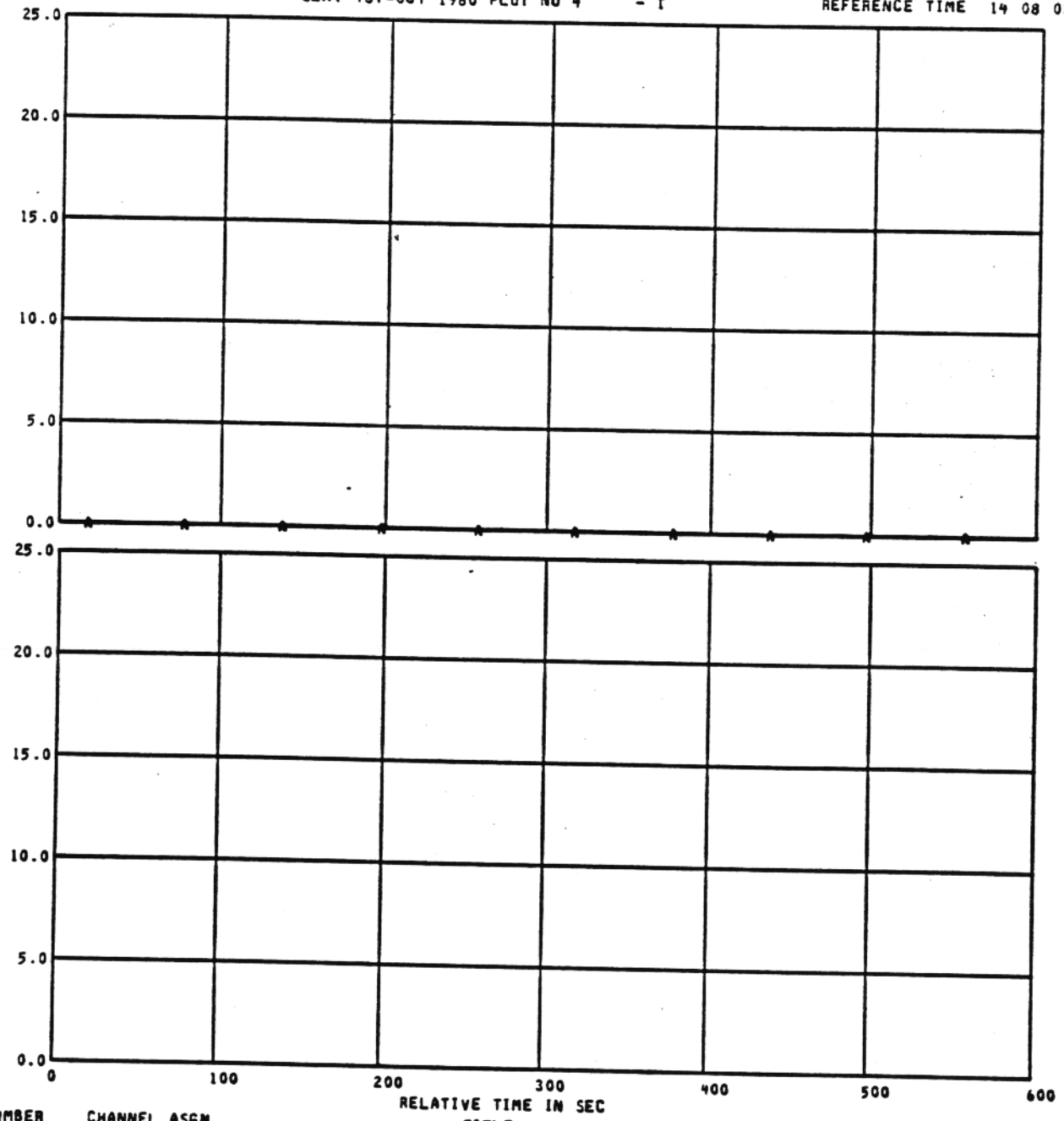
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 3 - 2 REFERENCE TIME 14 08 03.000



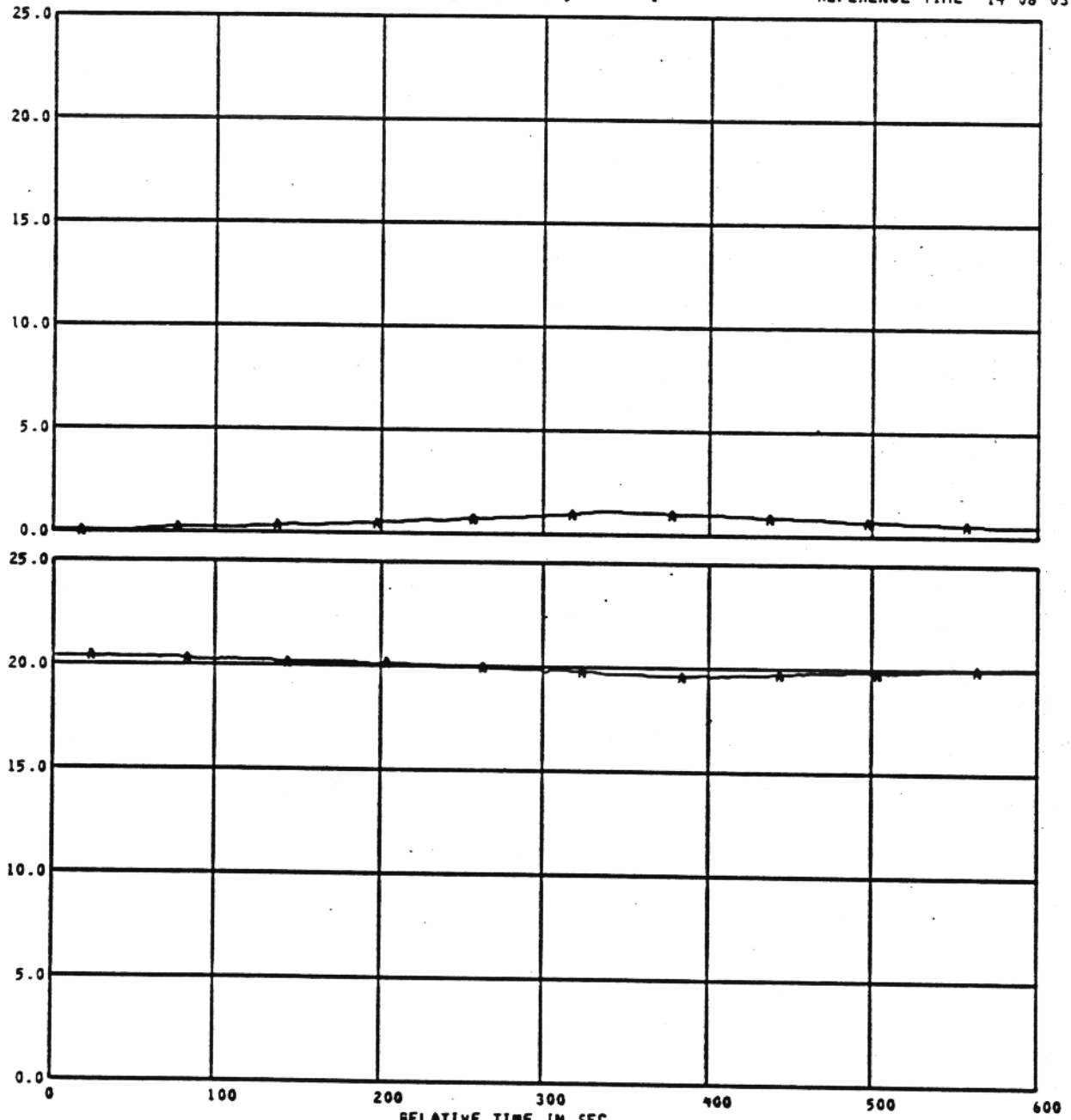
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS28 SEAT TST-OCT 1980 PLOT NO 4 - I REFERENCE TIME 14 08 03.000



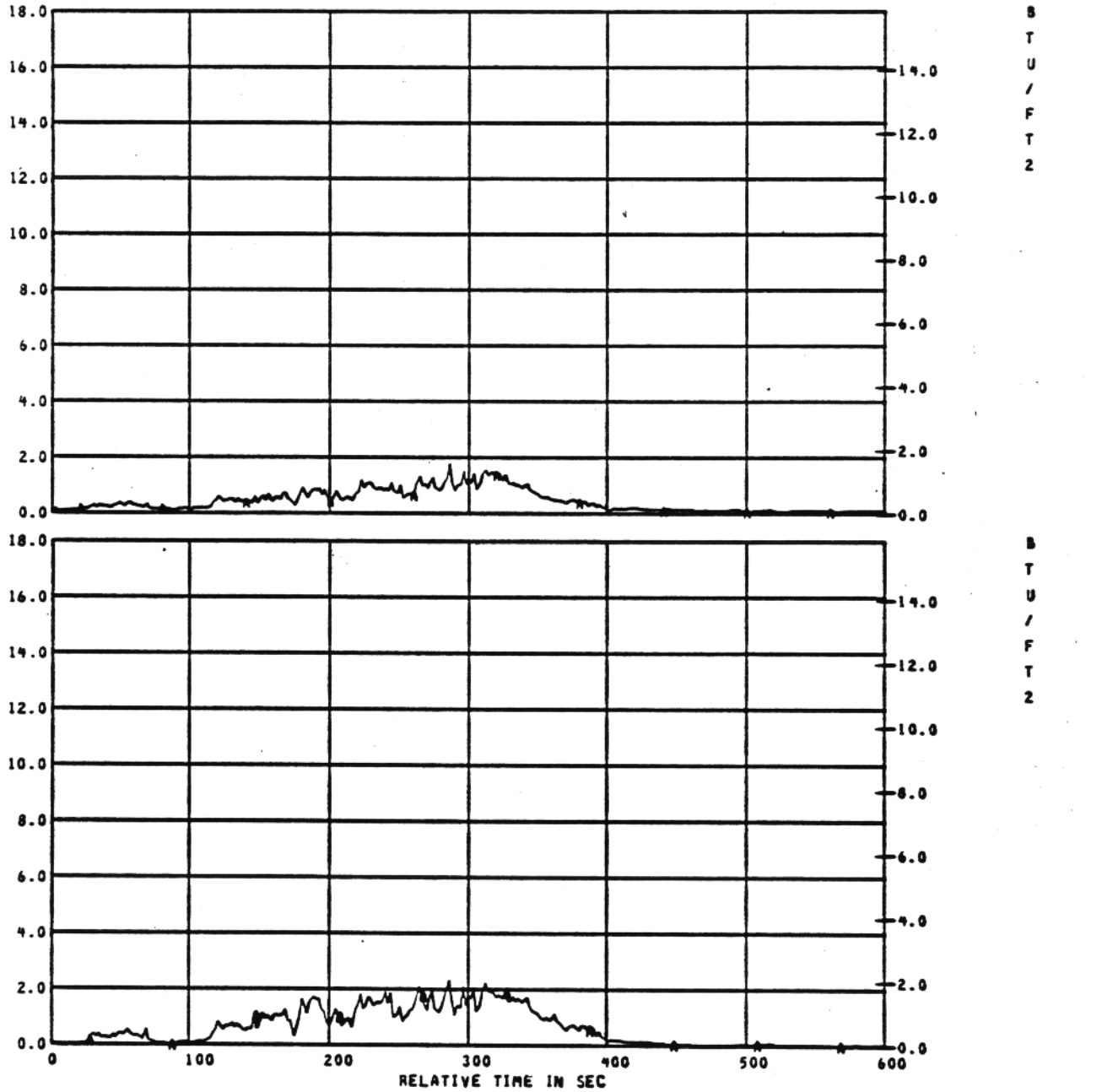
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 14 08 03.000



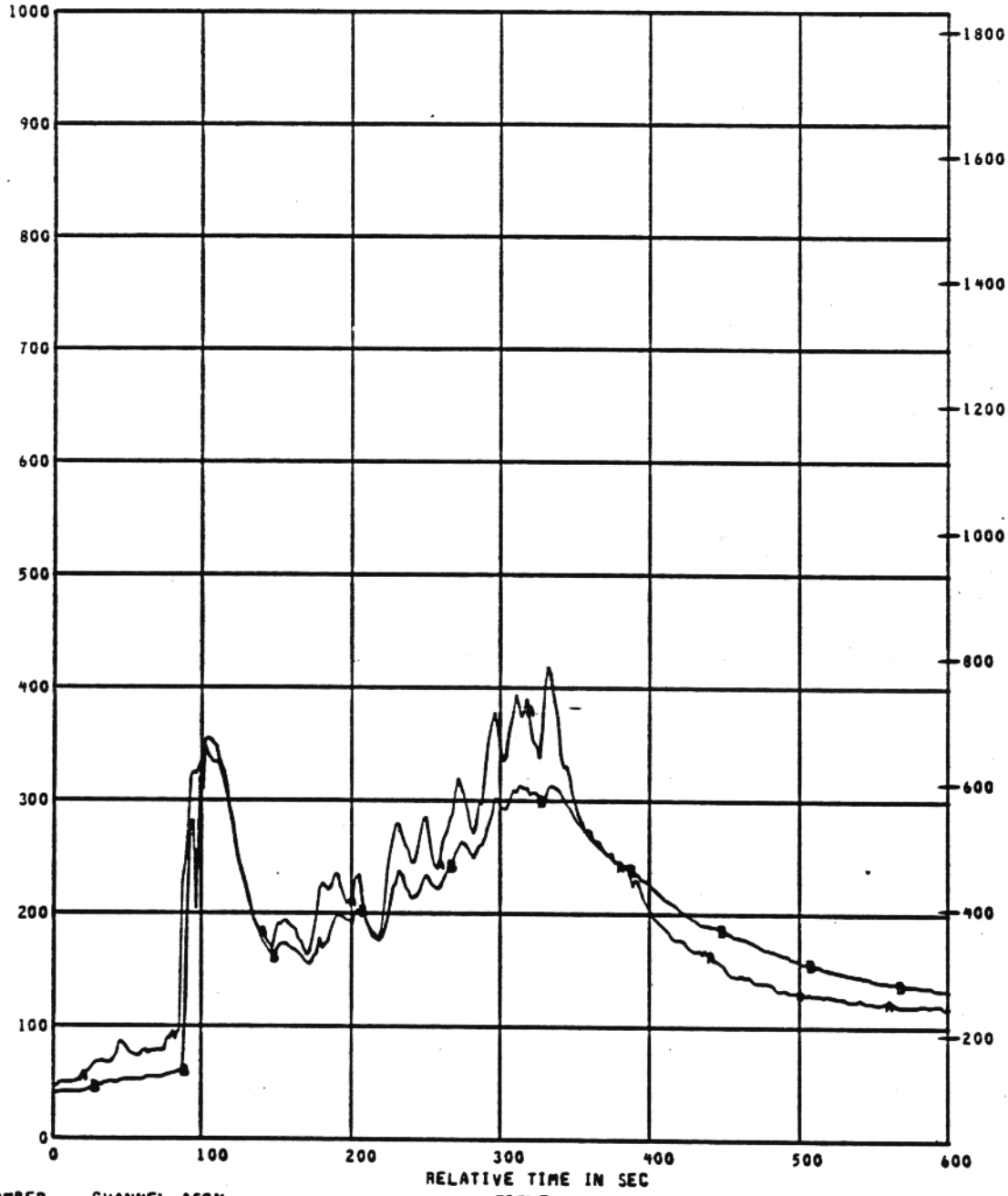
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 14 08 03.000



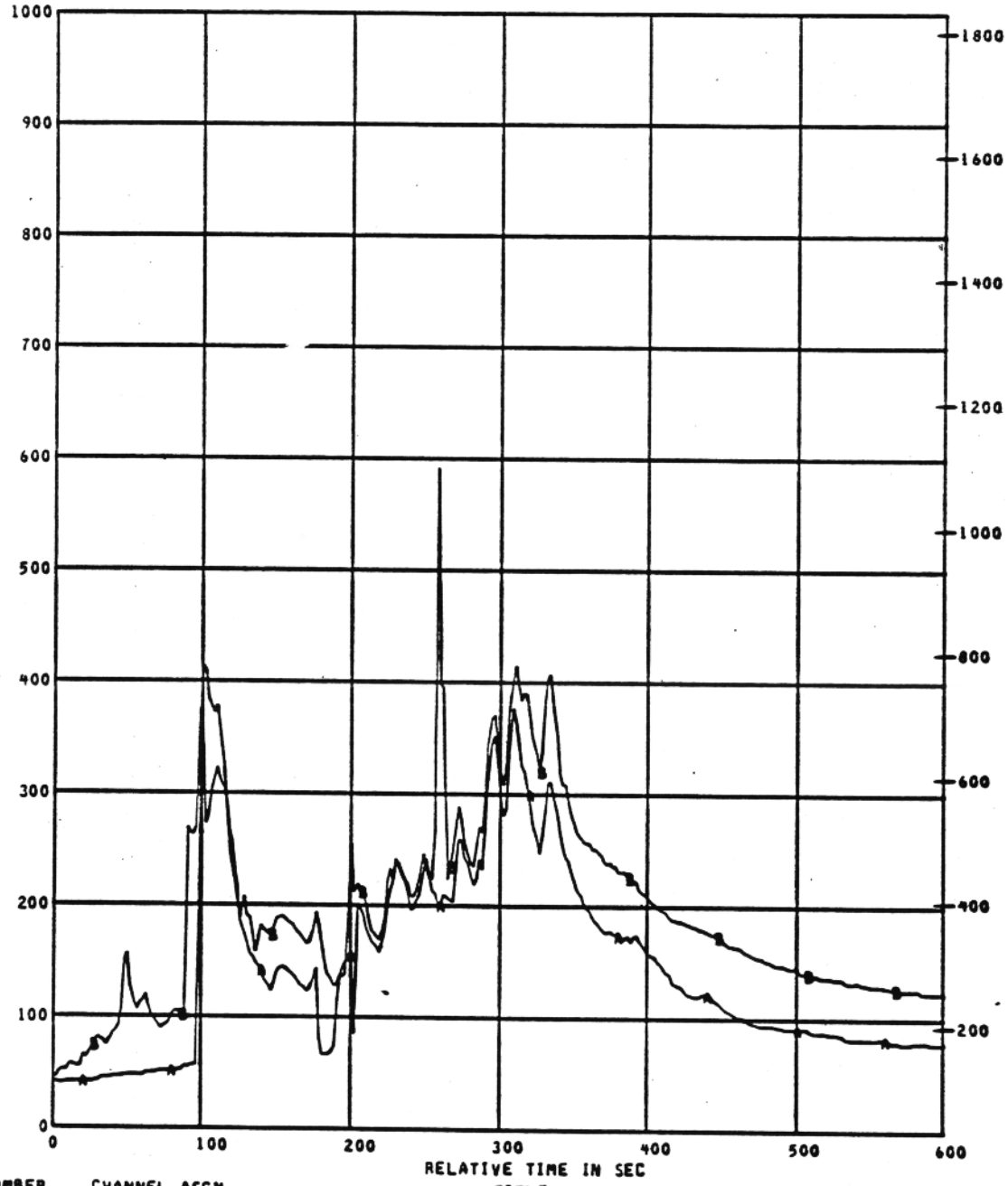
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 14 08 03.000



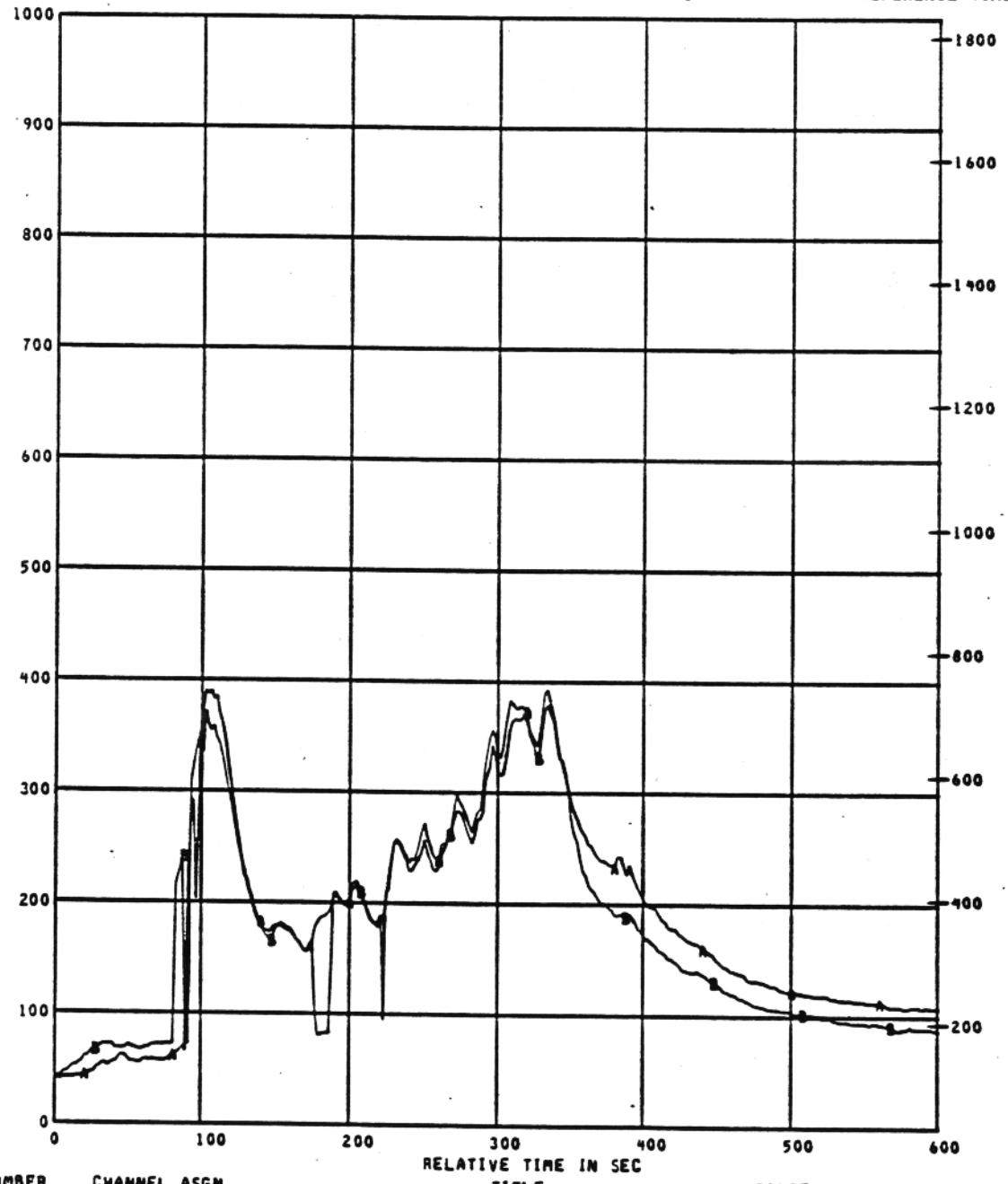
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 14 08 03.000



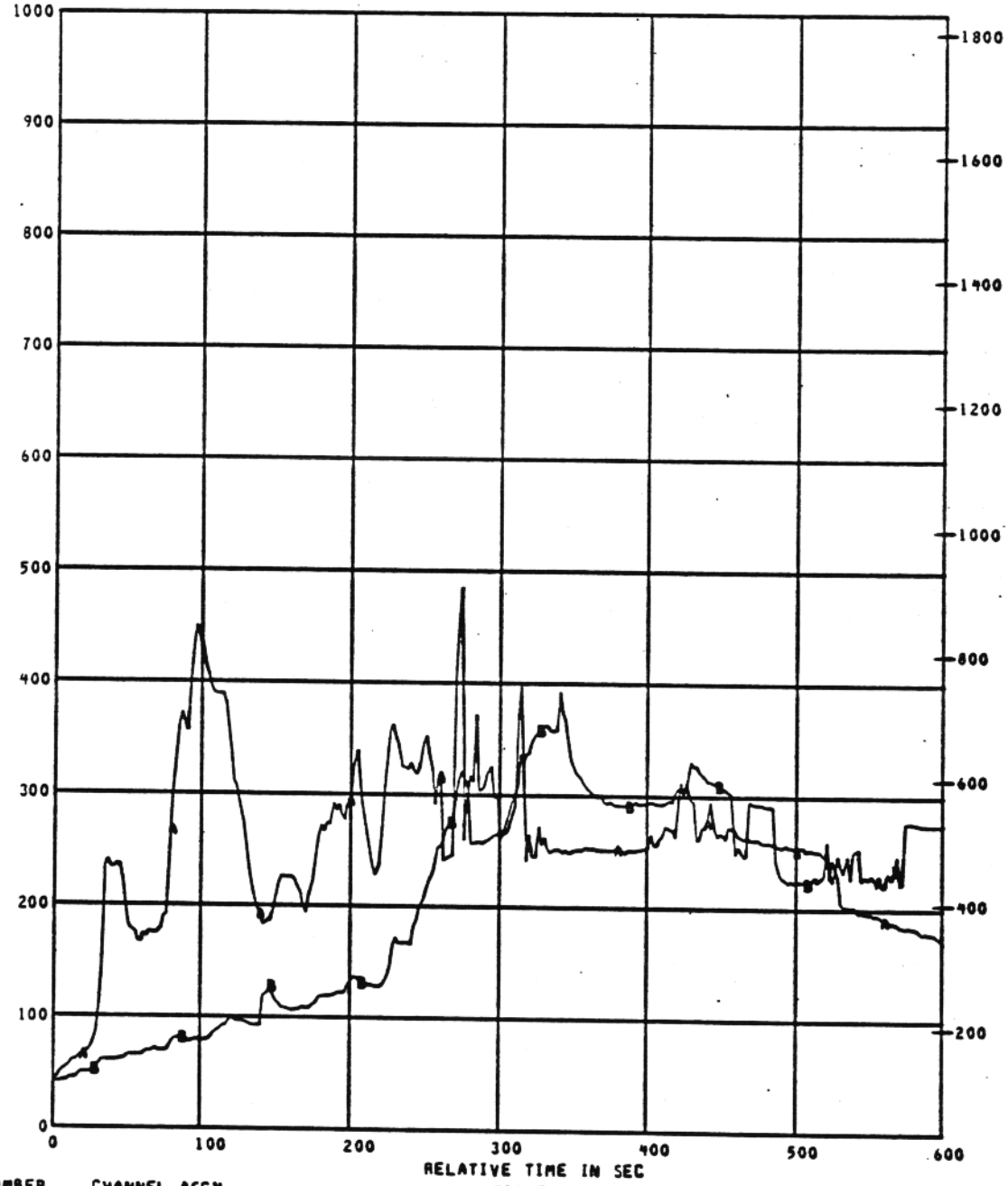
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 14 08 03.000



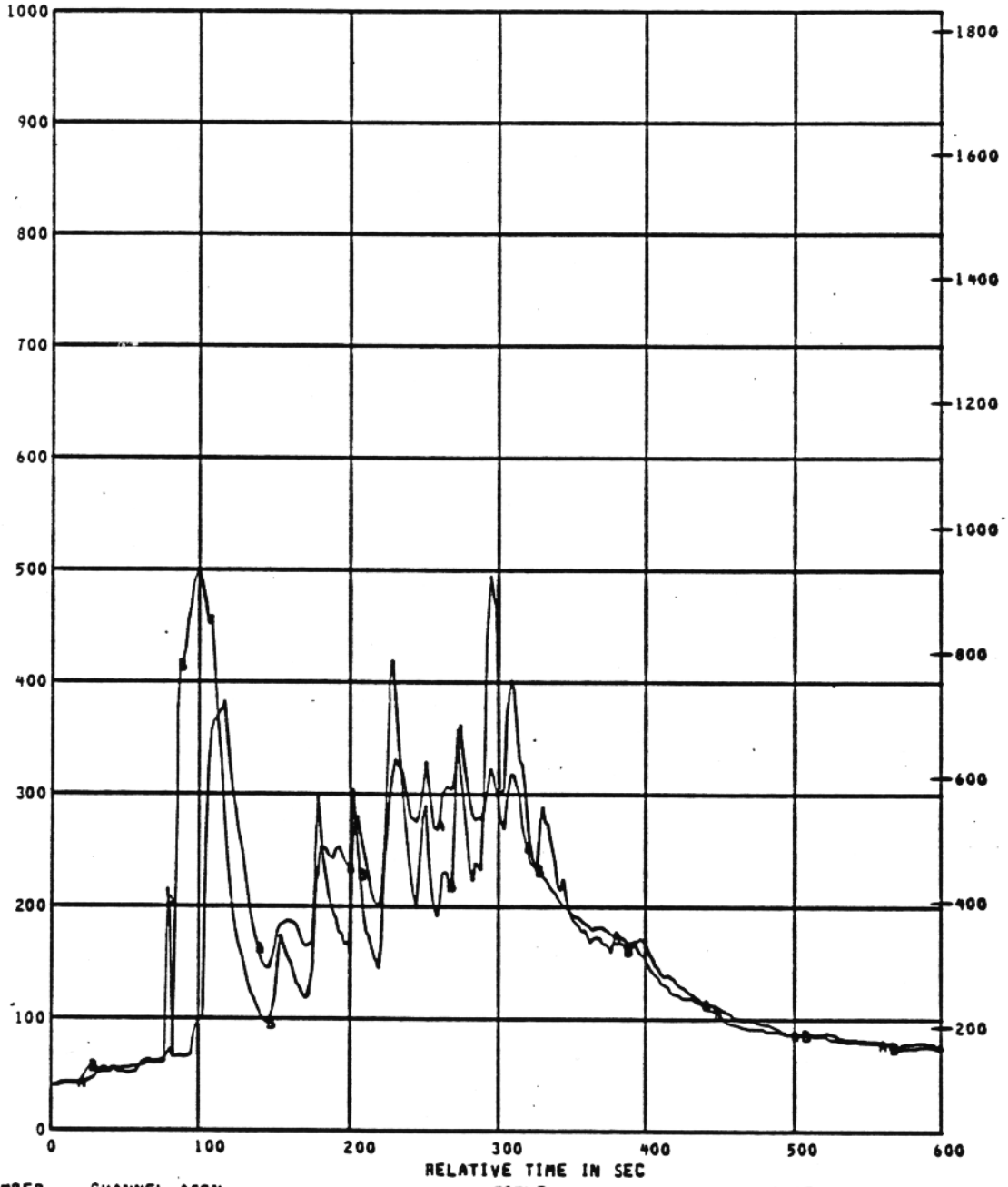
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 14 08 03.000



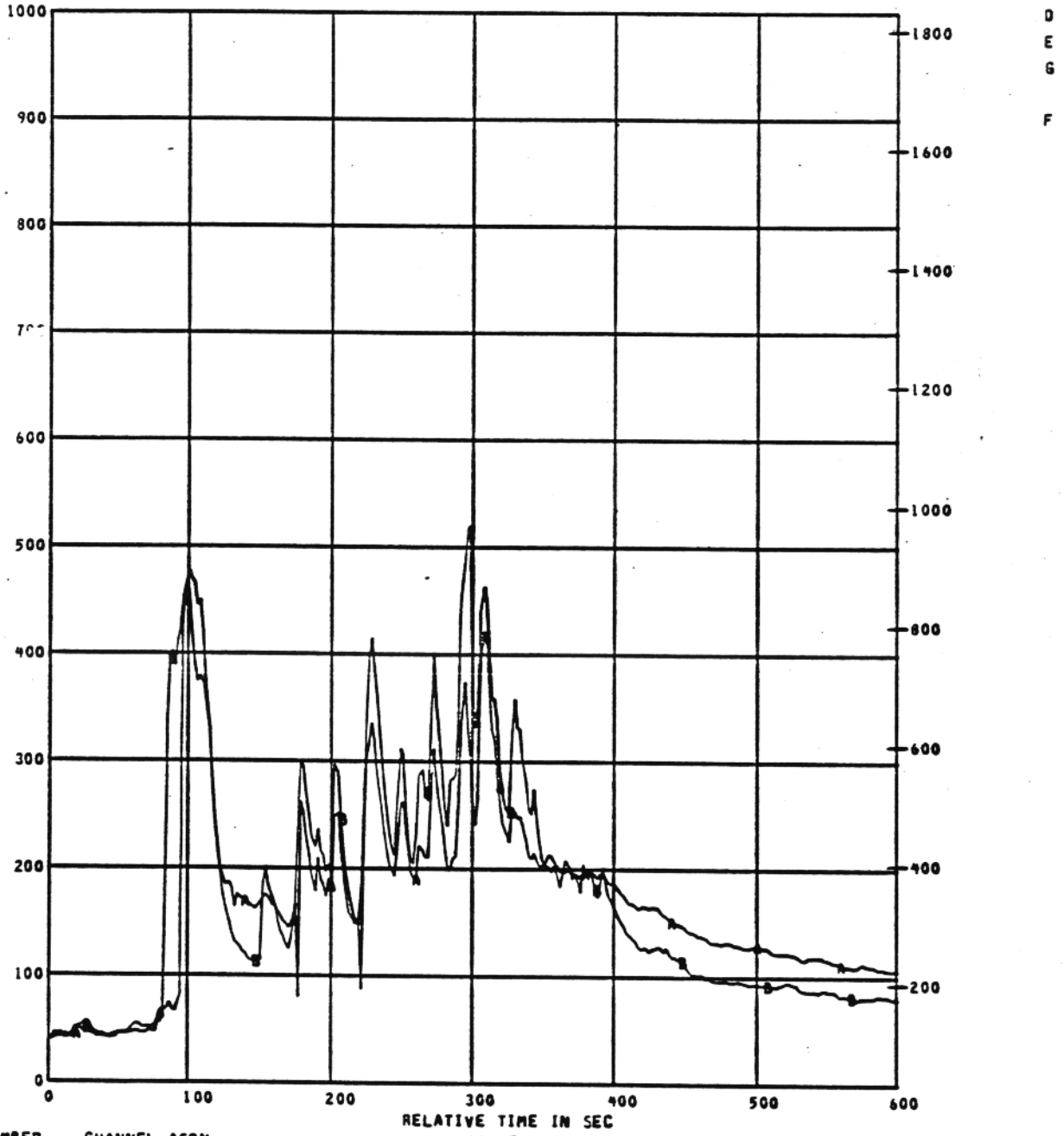
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 14 08 03.000



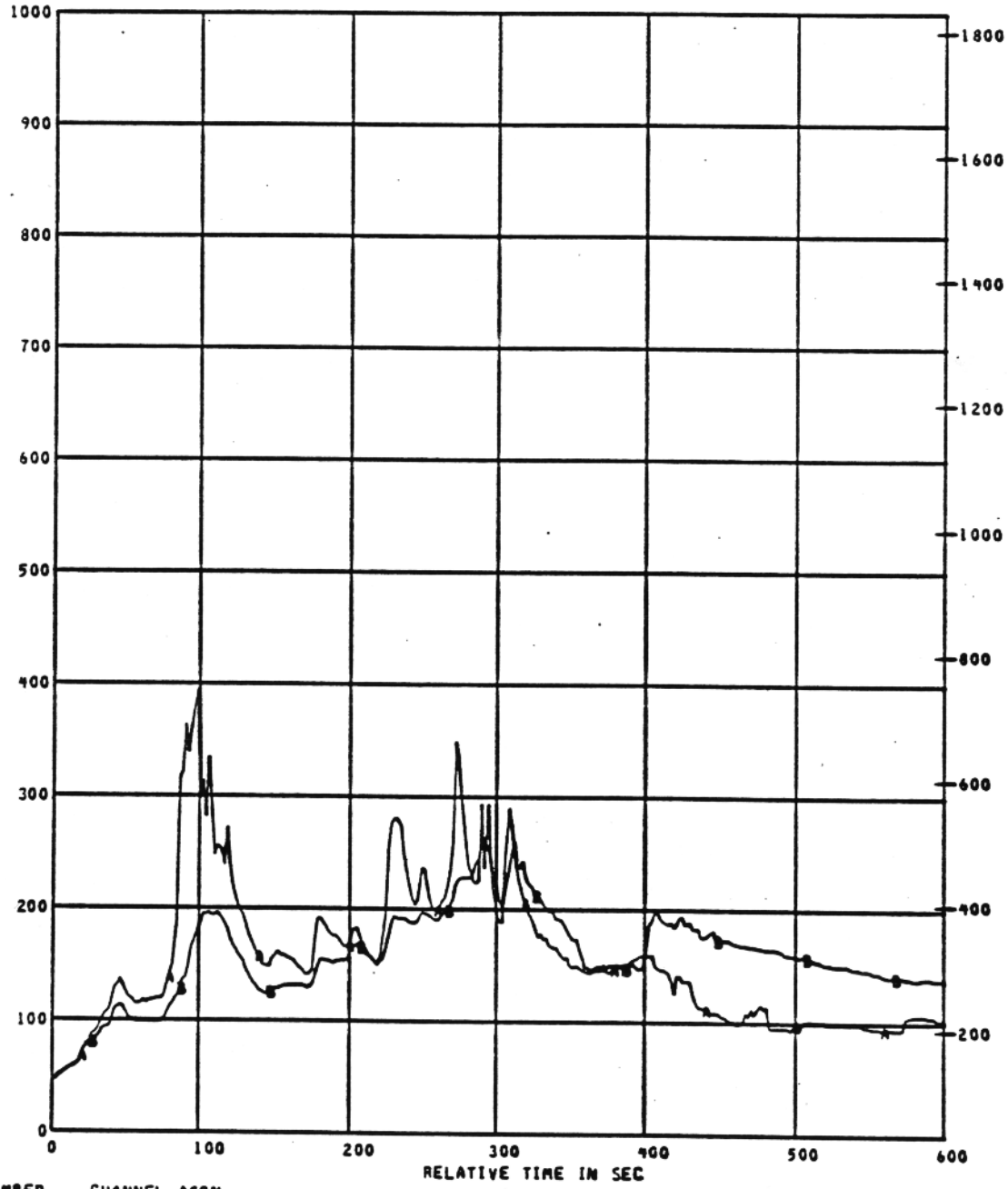
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 14 08 03.000



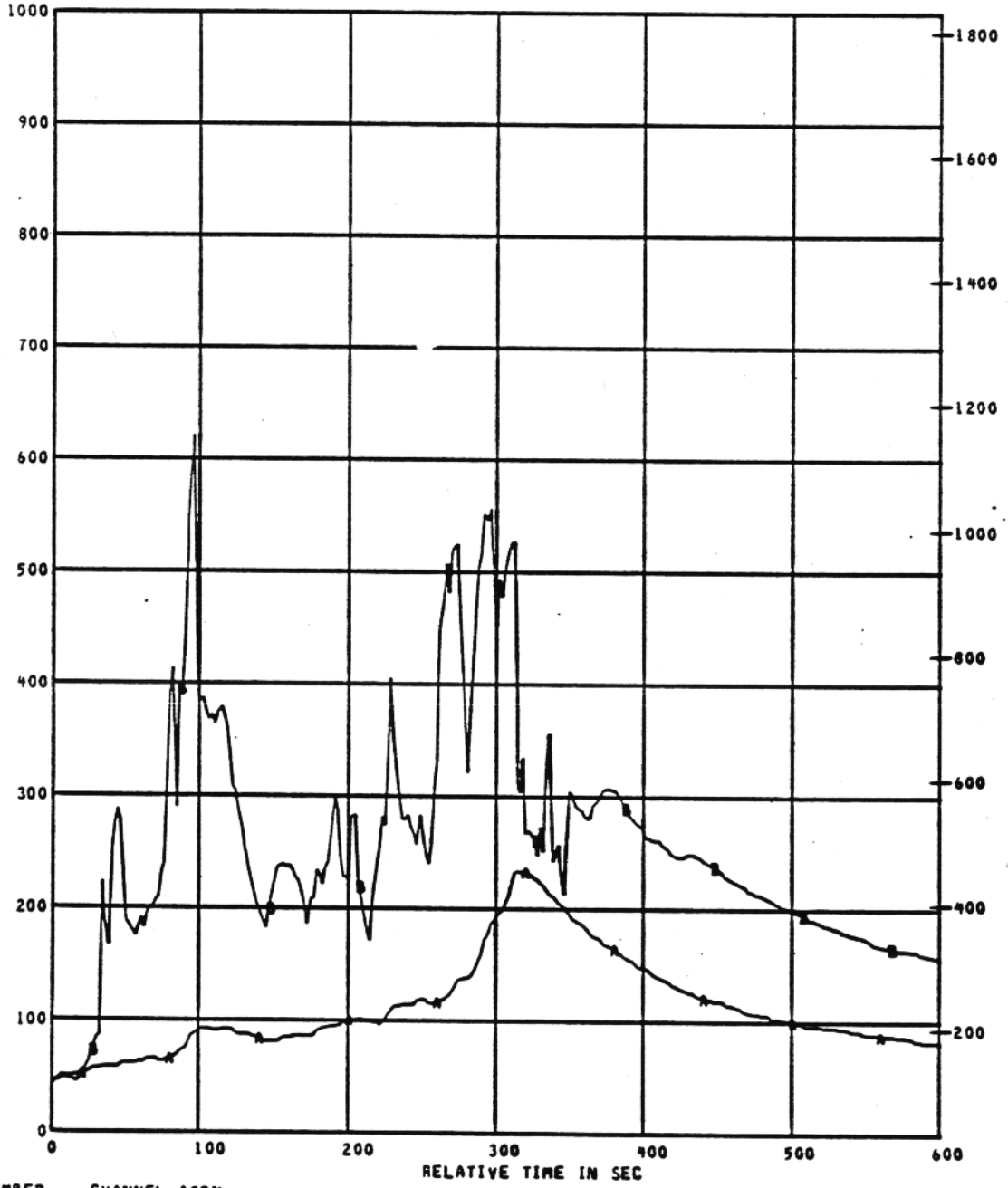
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 14 08 03.000



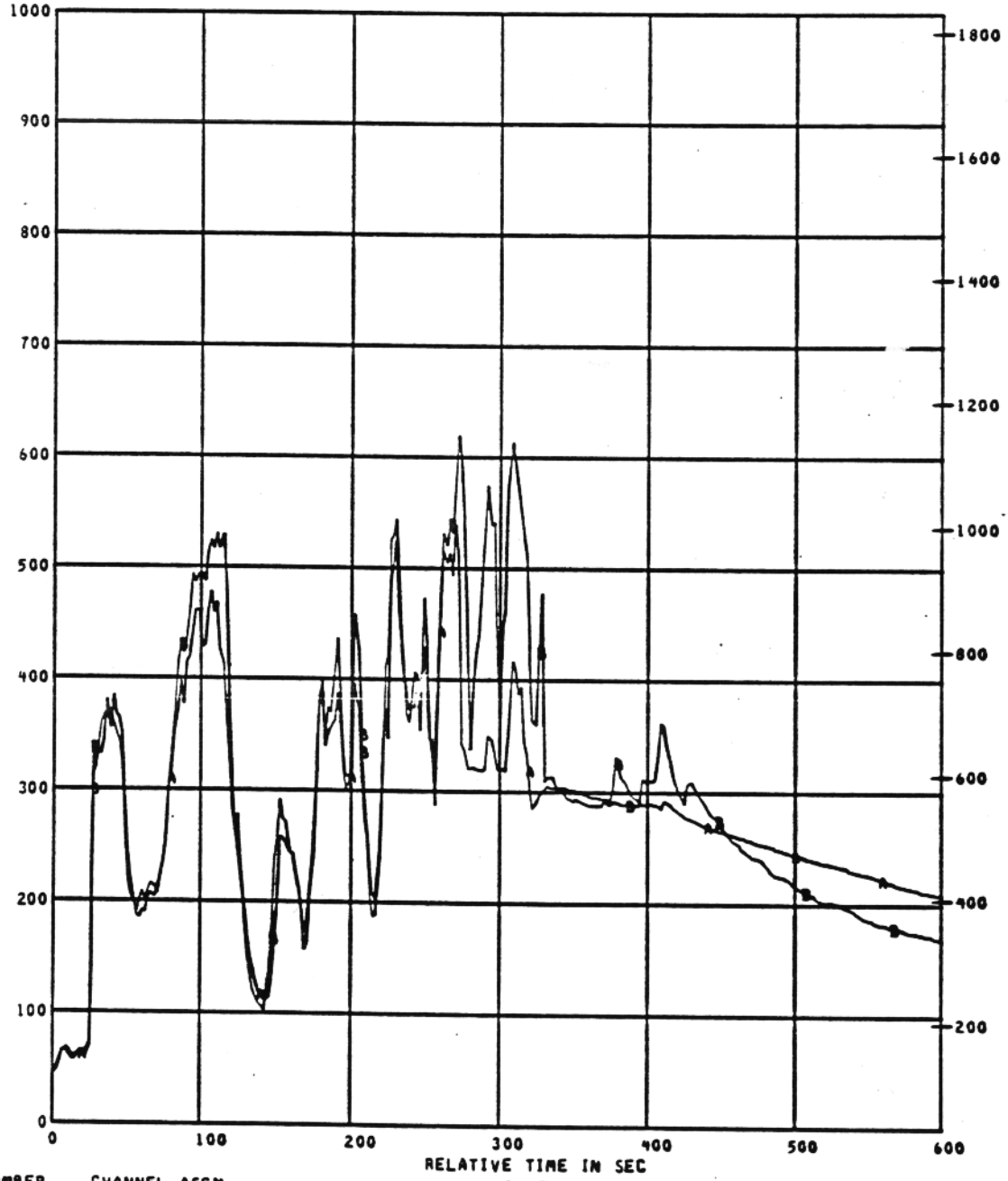
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 14 08 03.000



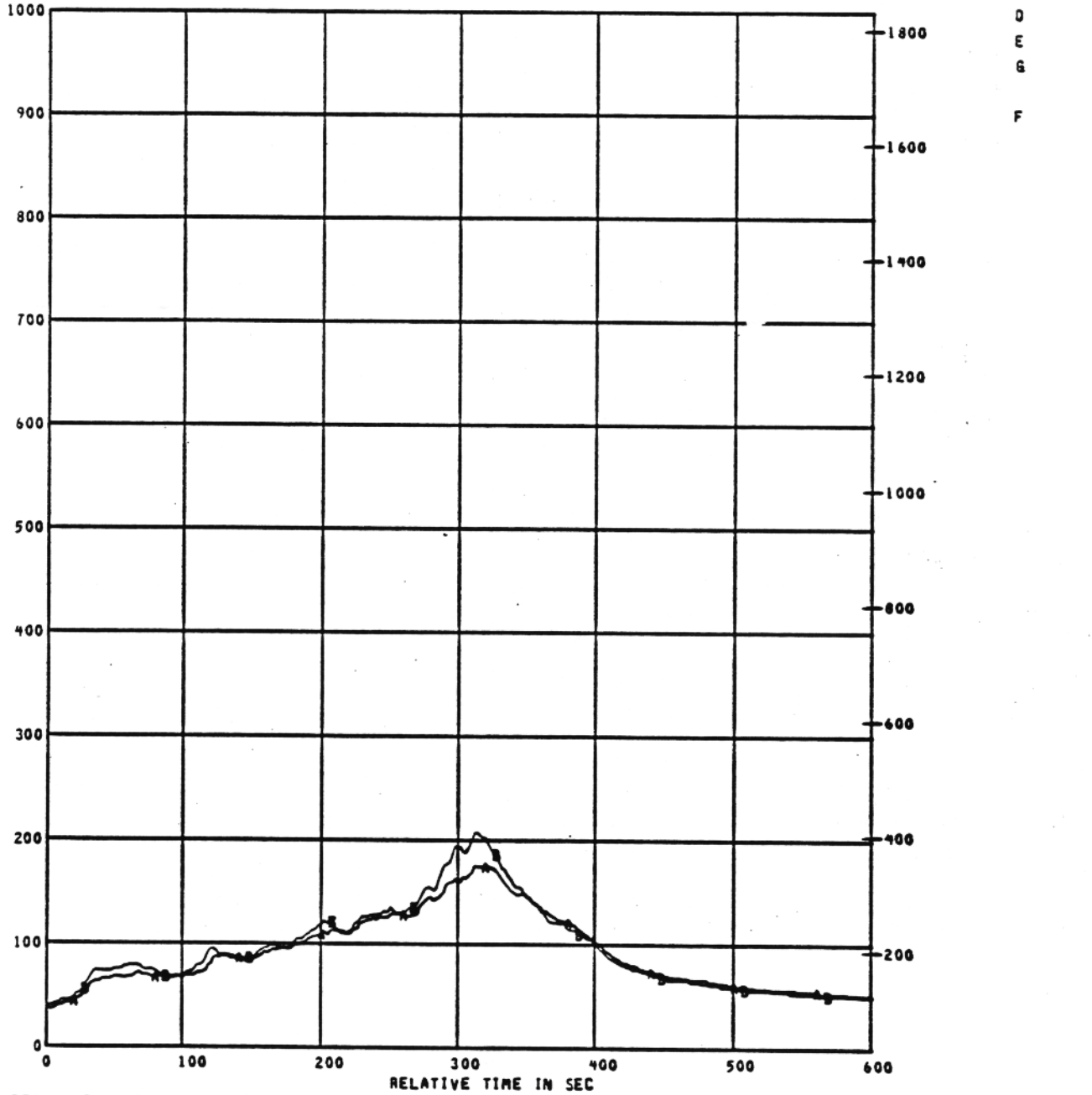
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 14 08 03.000



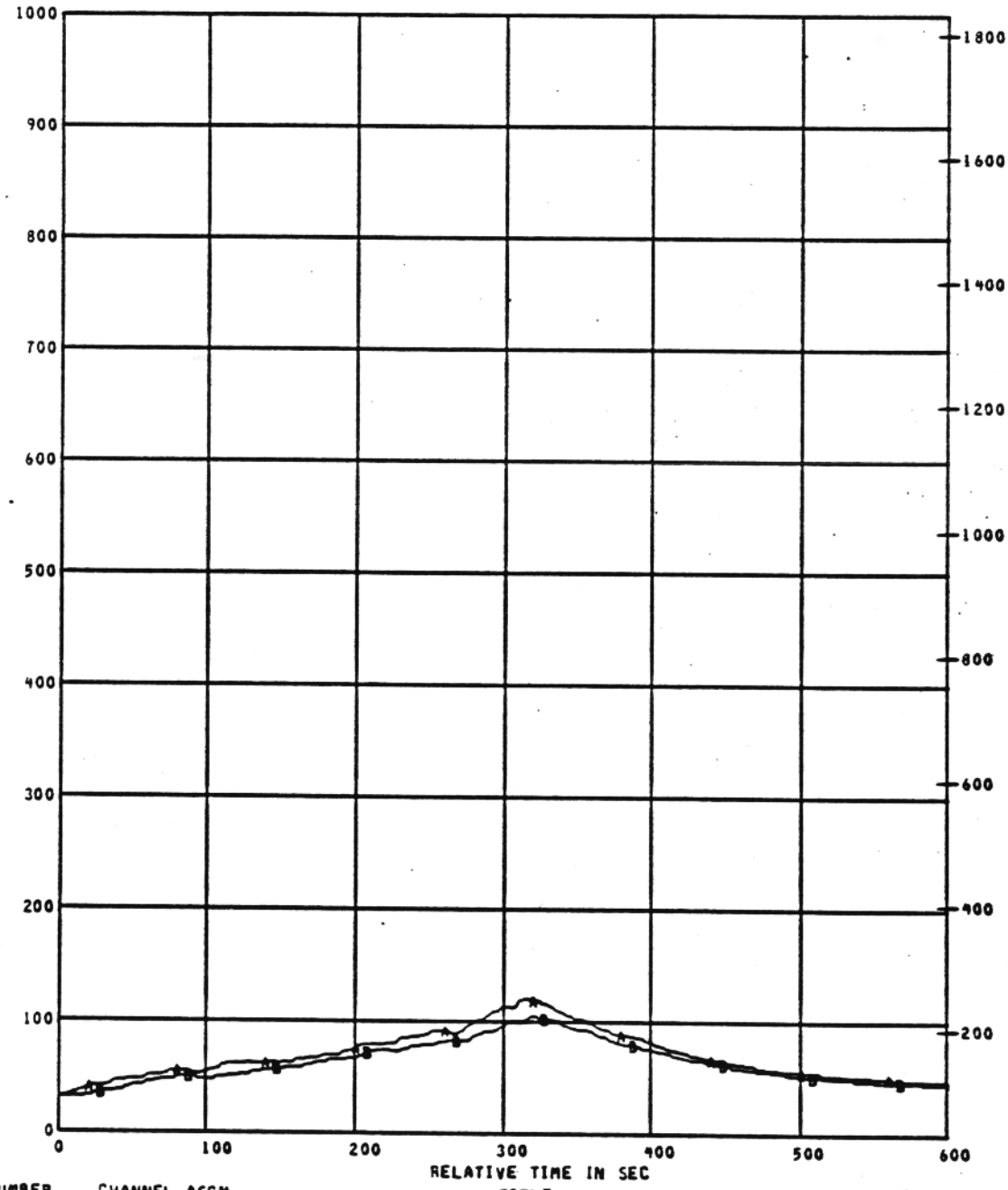
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 14 08 03.000



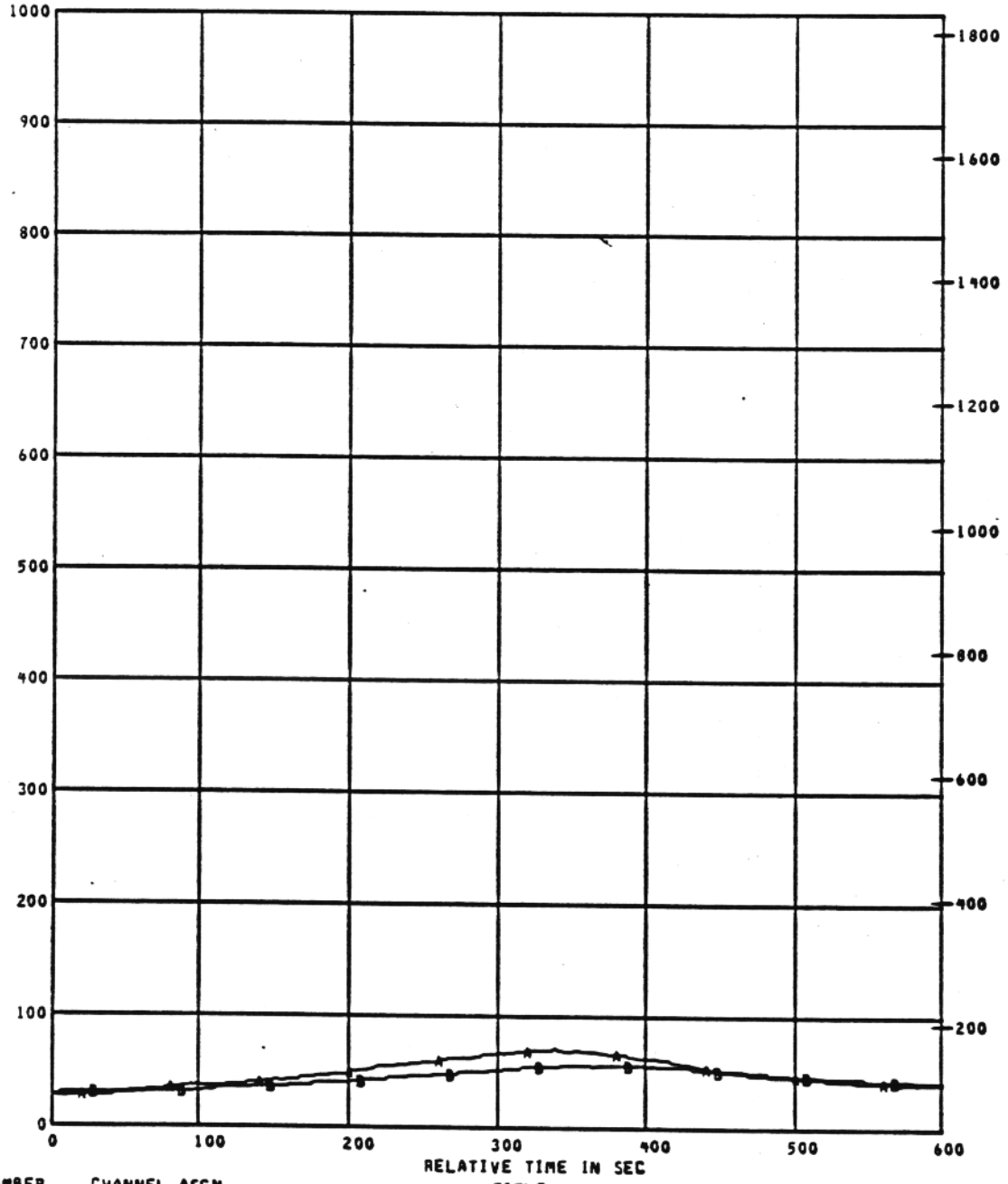
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS28 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 14 08 03.000



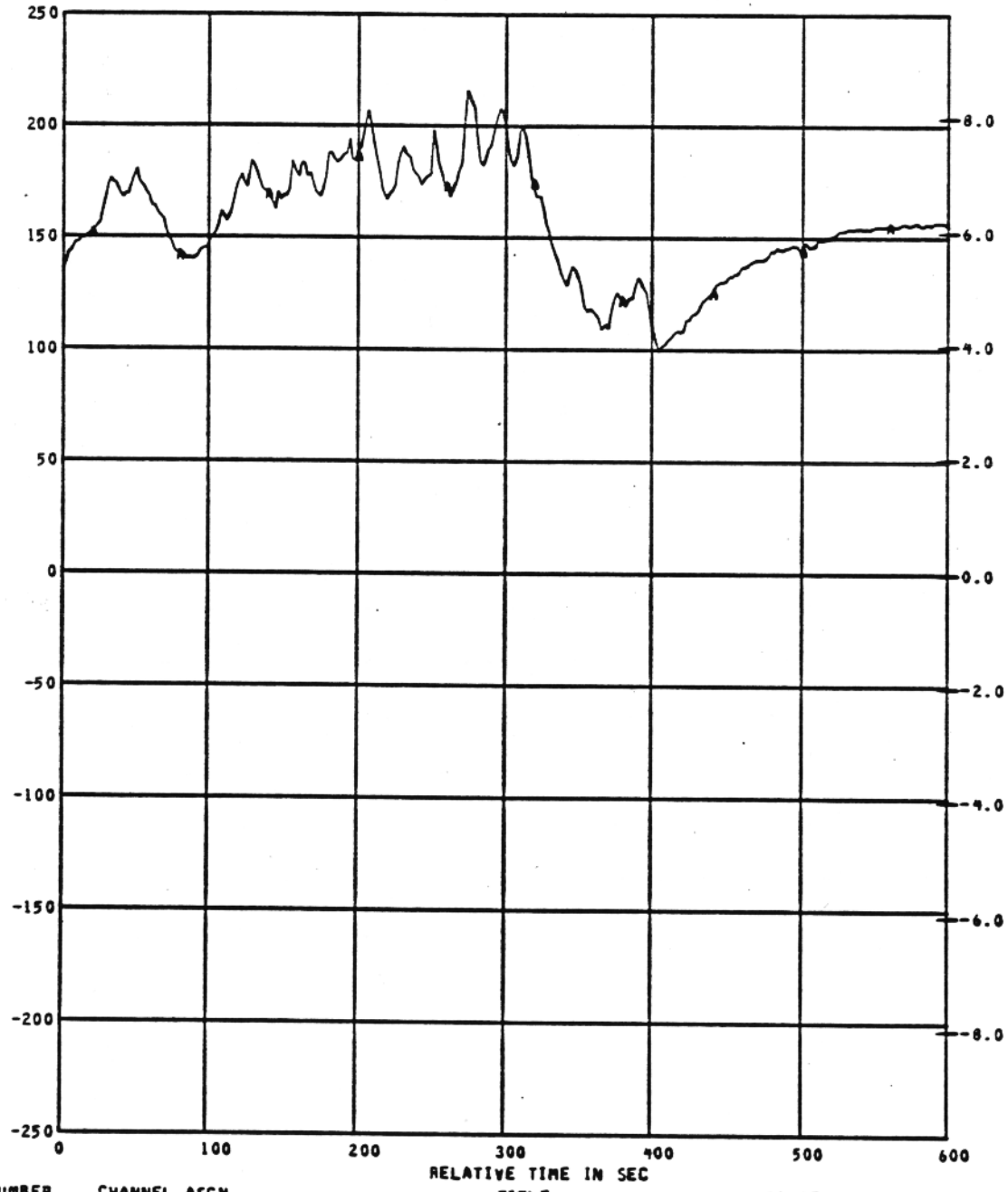
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS28 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 14 08 03.000



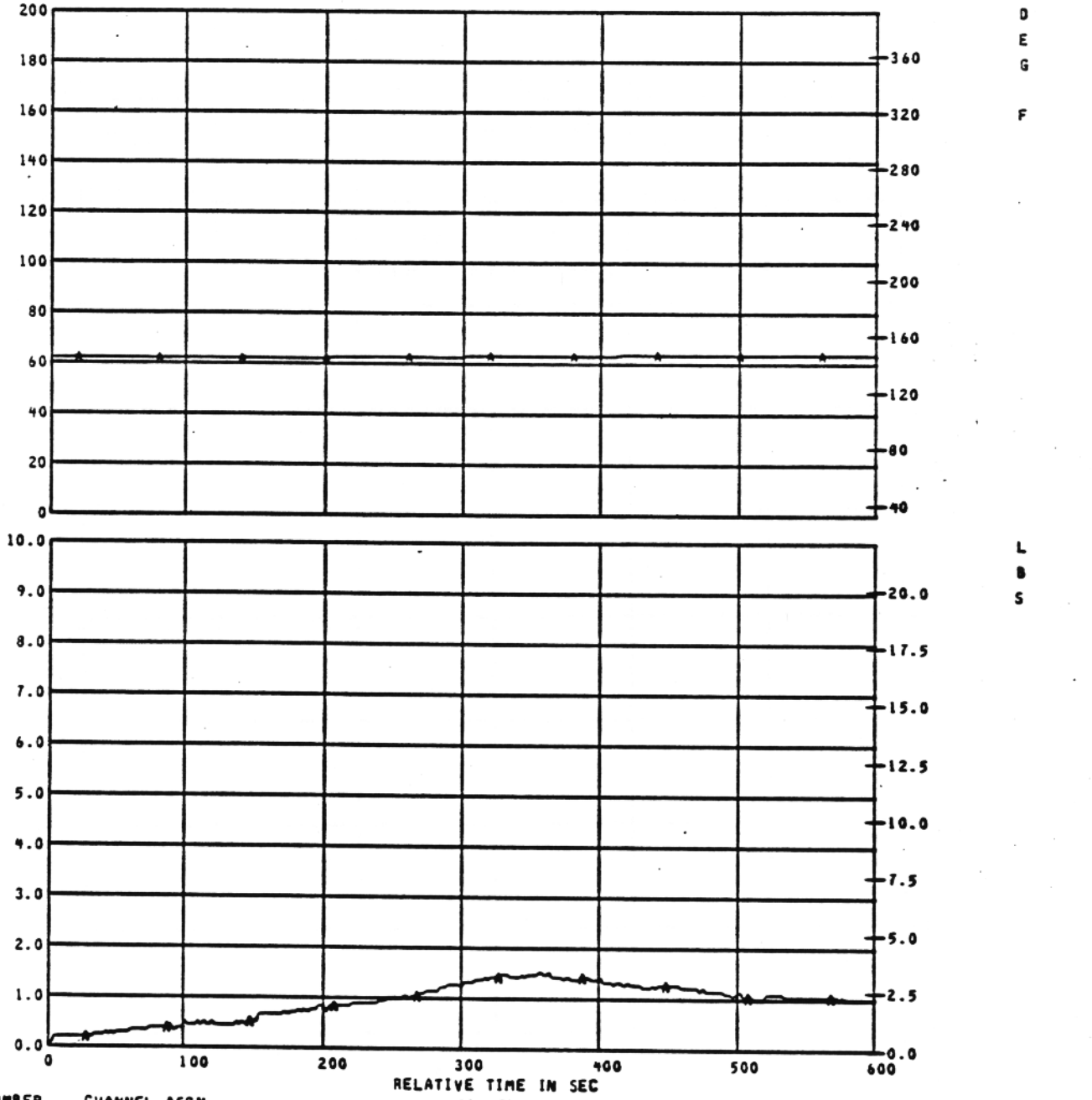
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 14 08 03.000



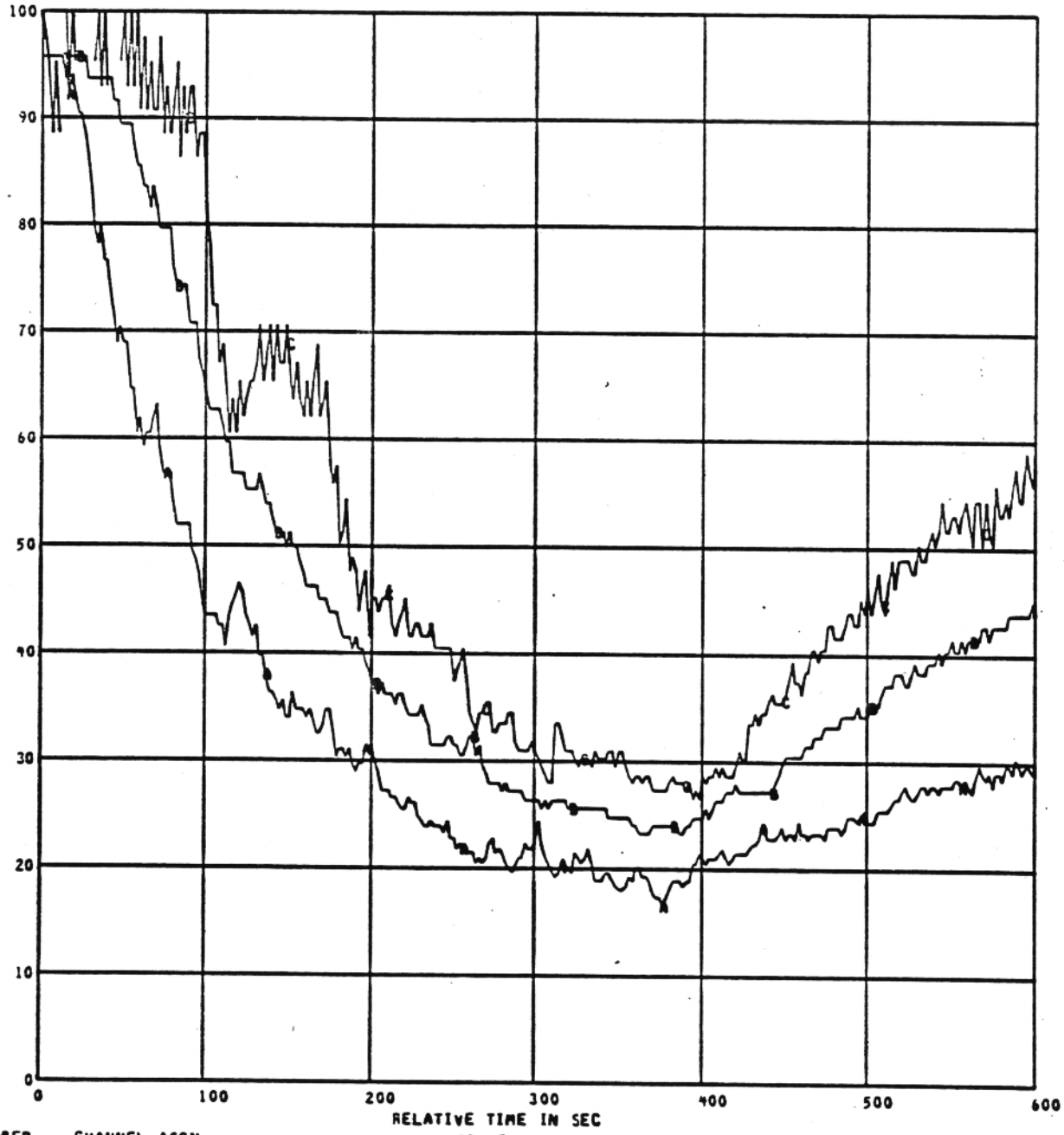
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H2O	AA

TEST ID NAS2B SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 14 08 03.000



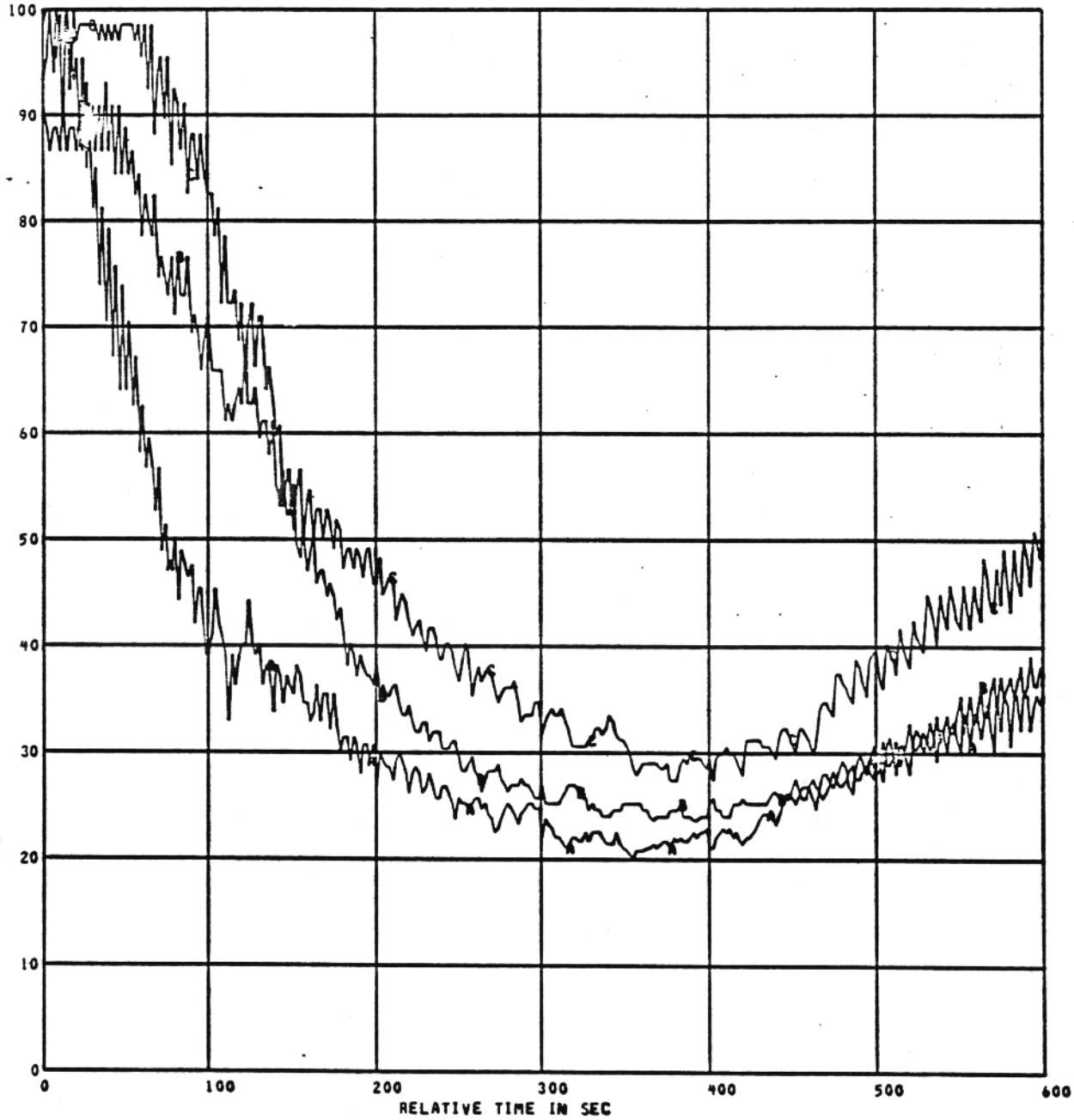
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
s WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 14 23 31.000



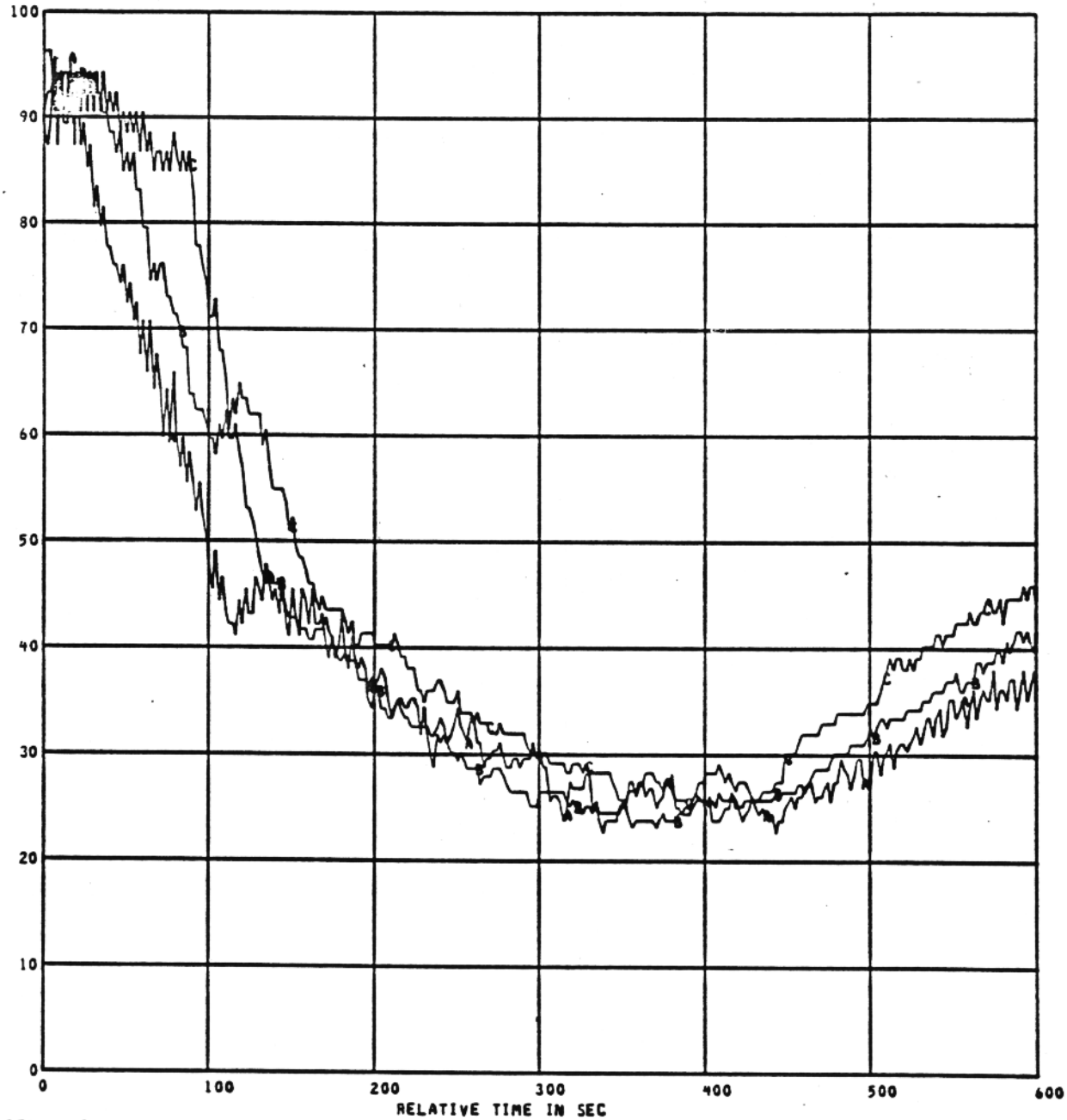
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 14 23 31.000



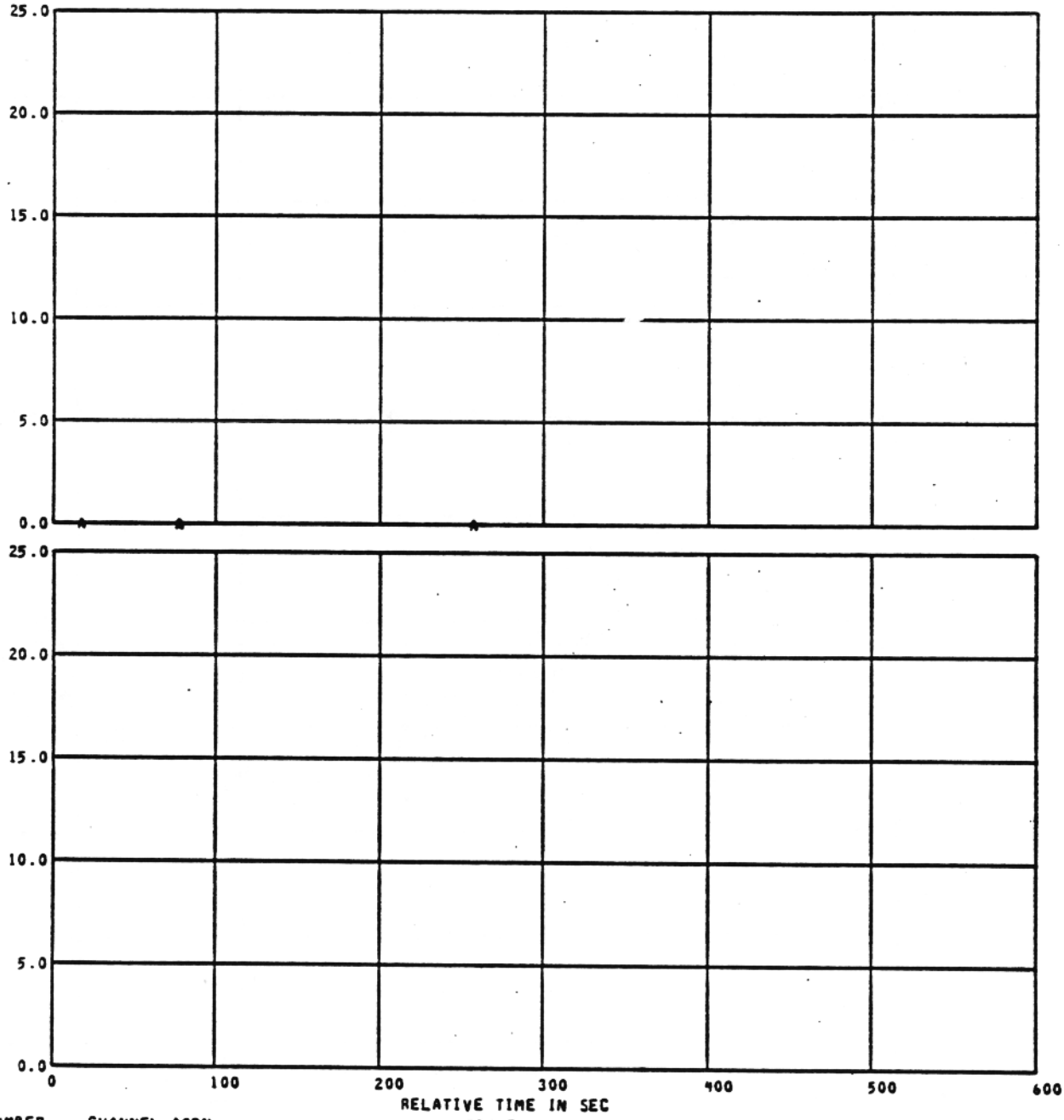
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 14 23 31.000



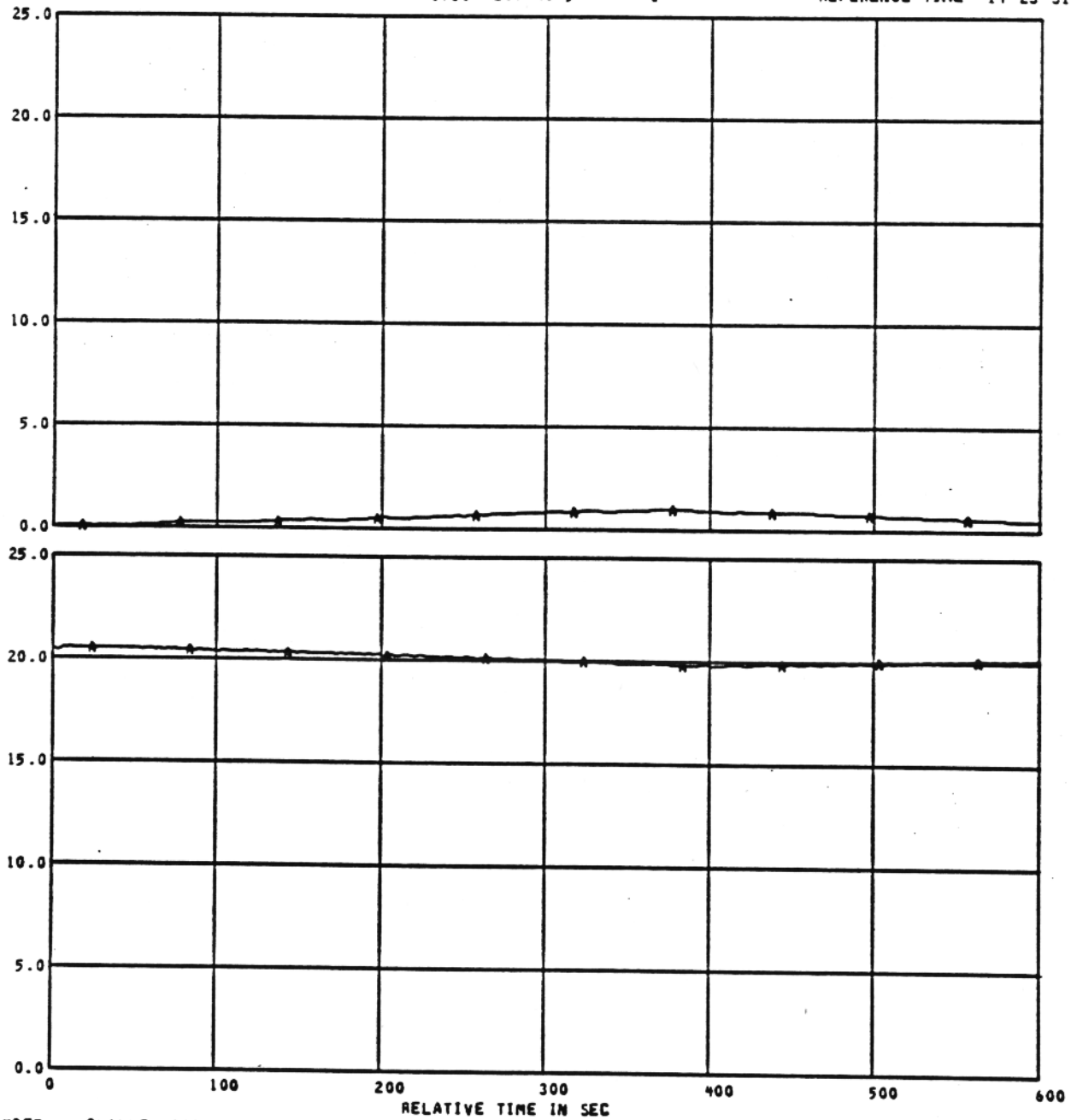
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 14 23 31.000



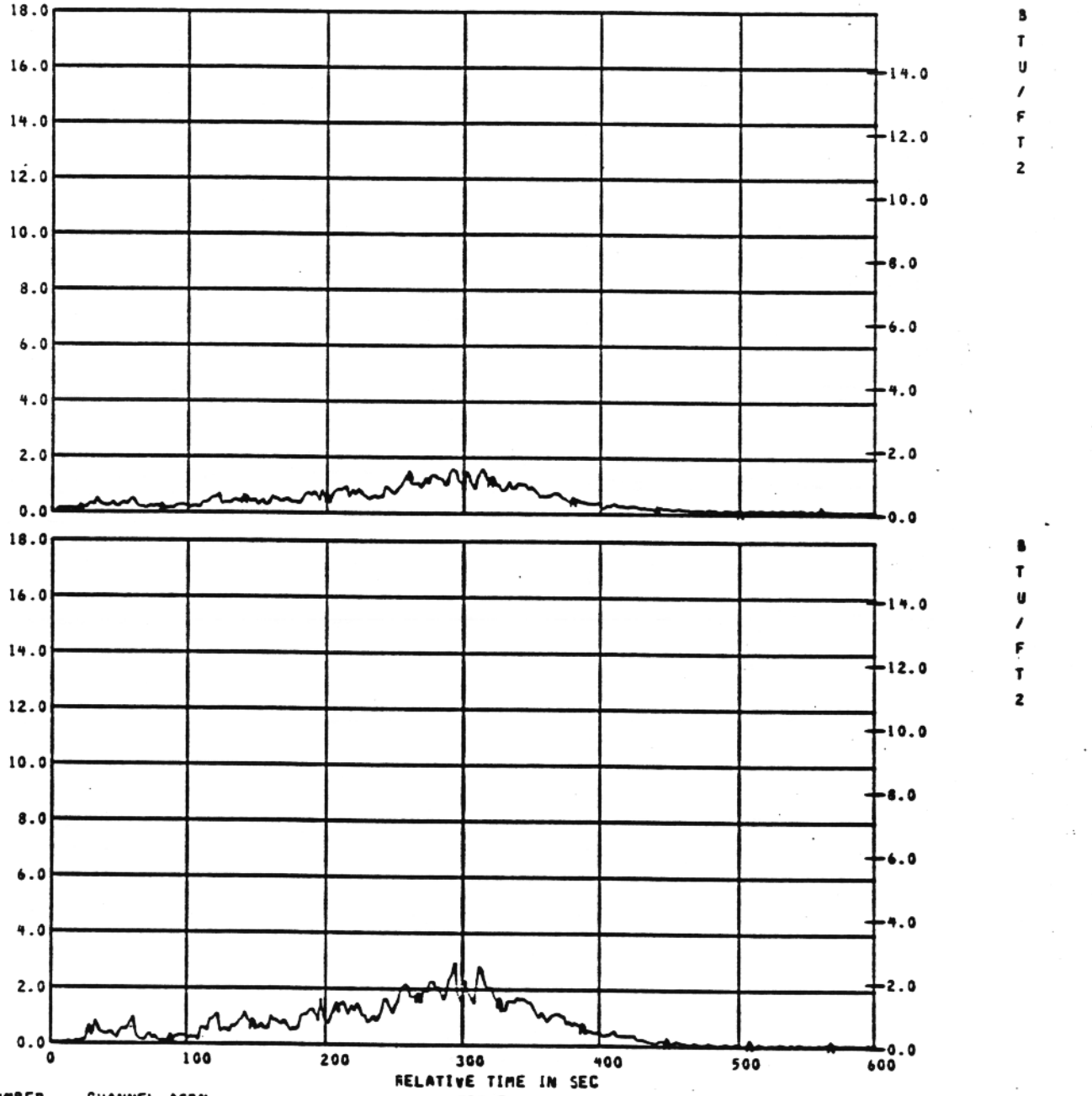
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 14 23 31.000



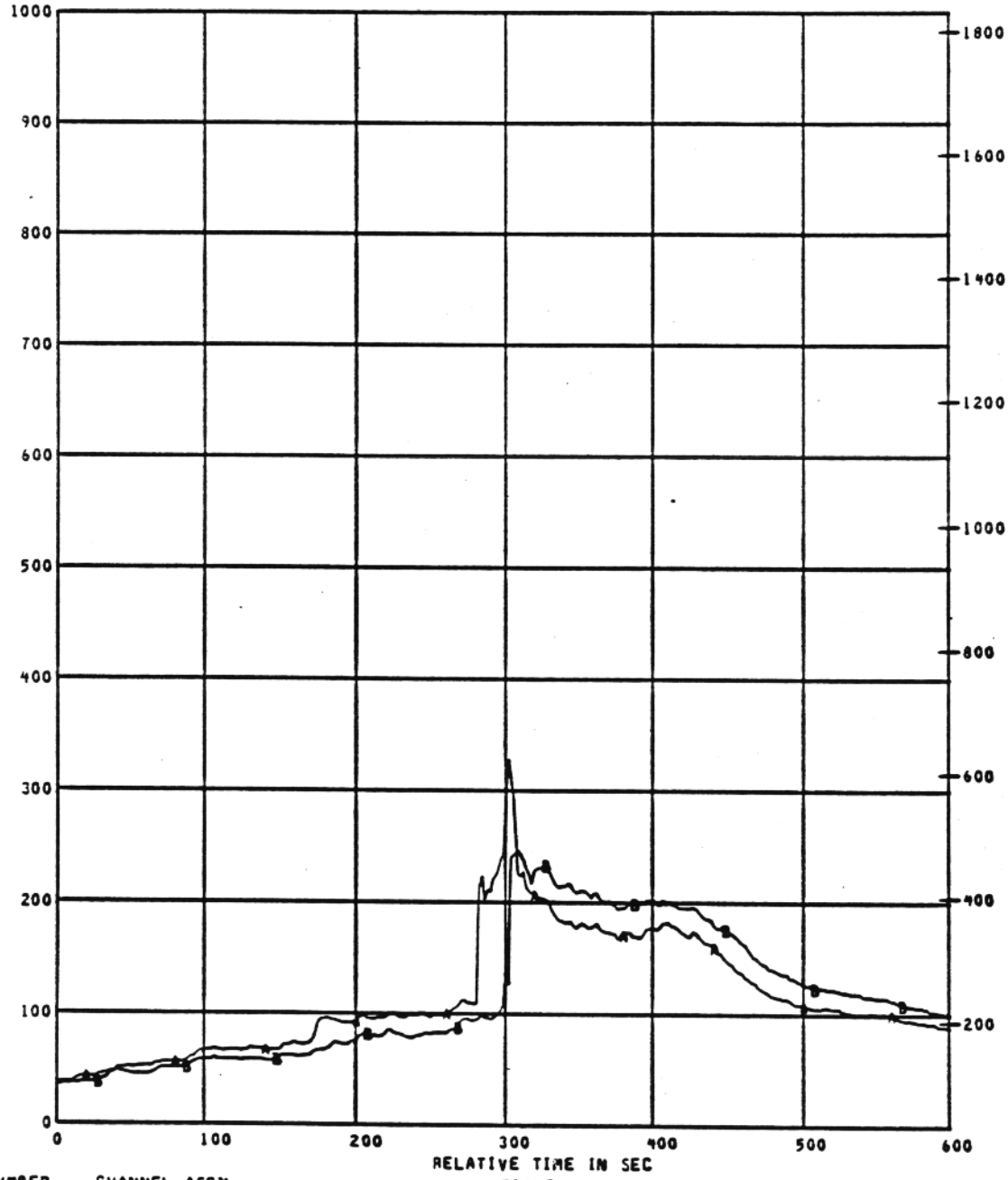
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 14 23 31.000



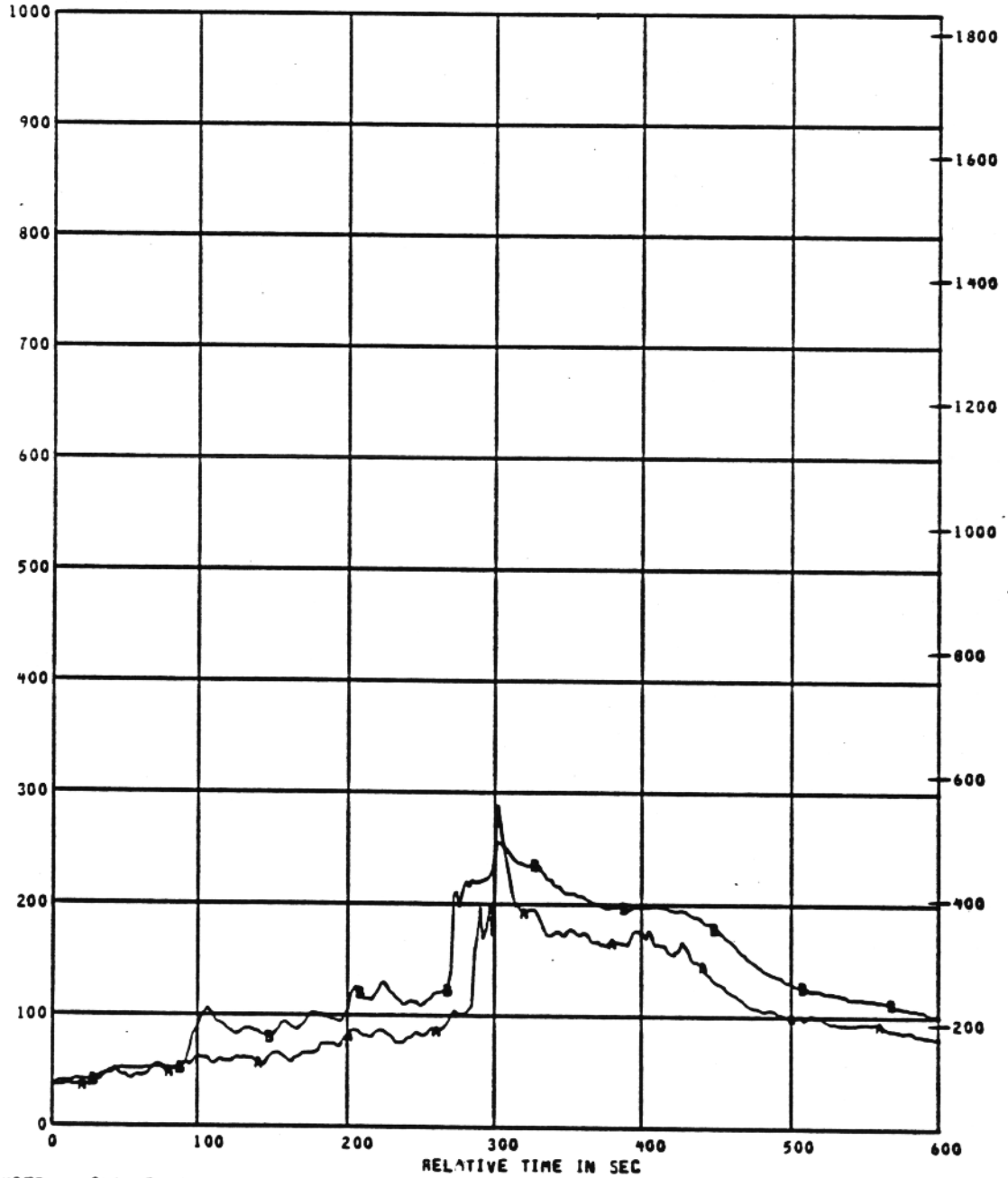
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 14 23 31.000



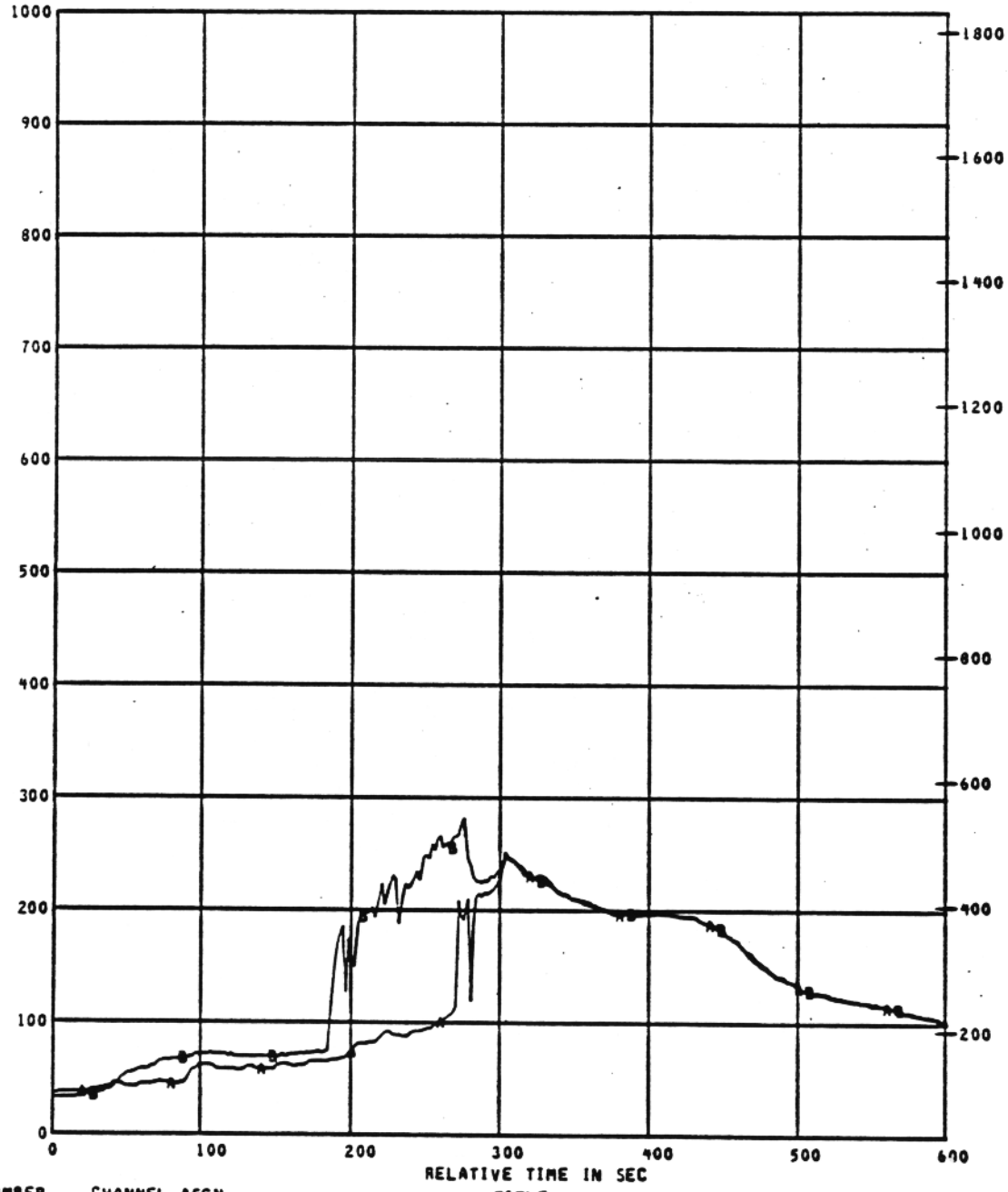
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 14 23 31.000



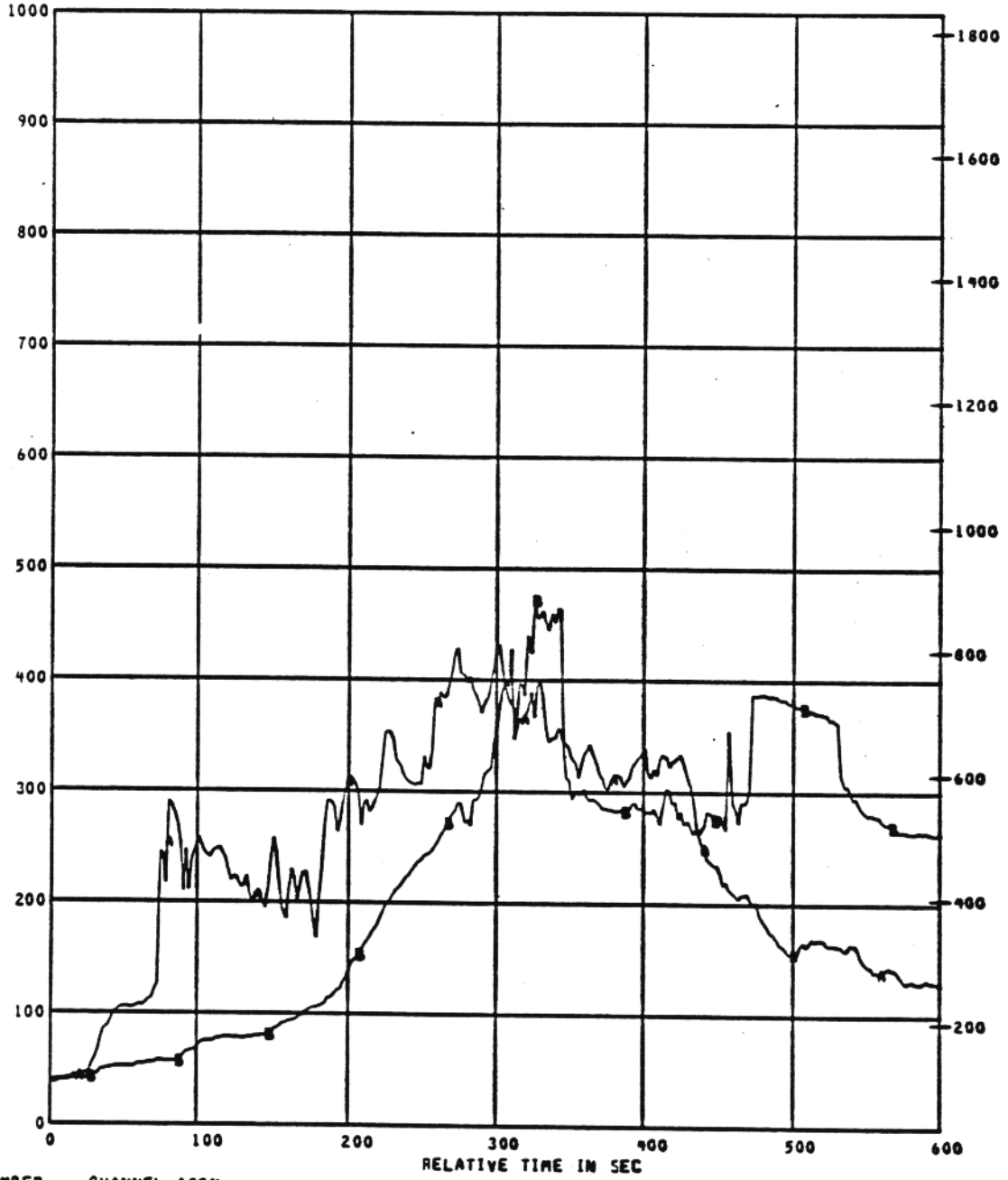
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 14 23 31.000



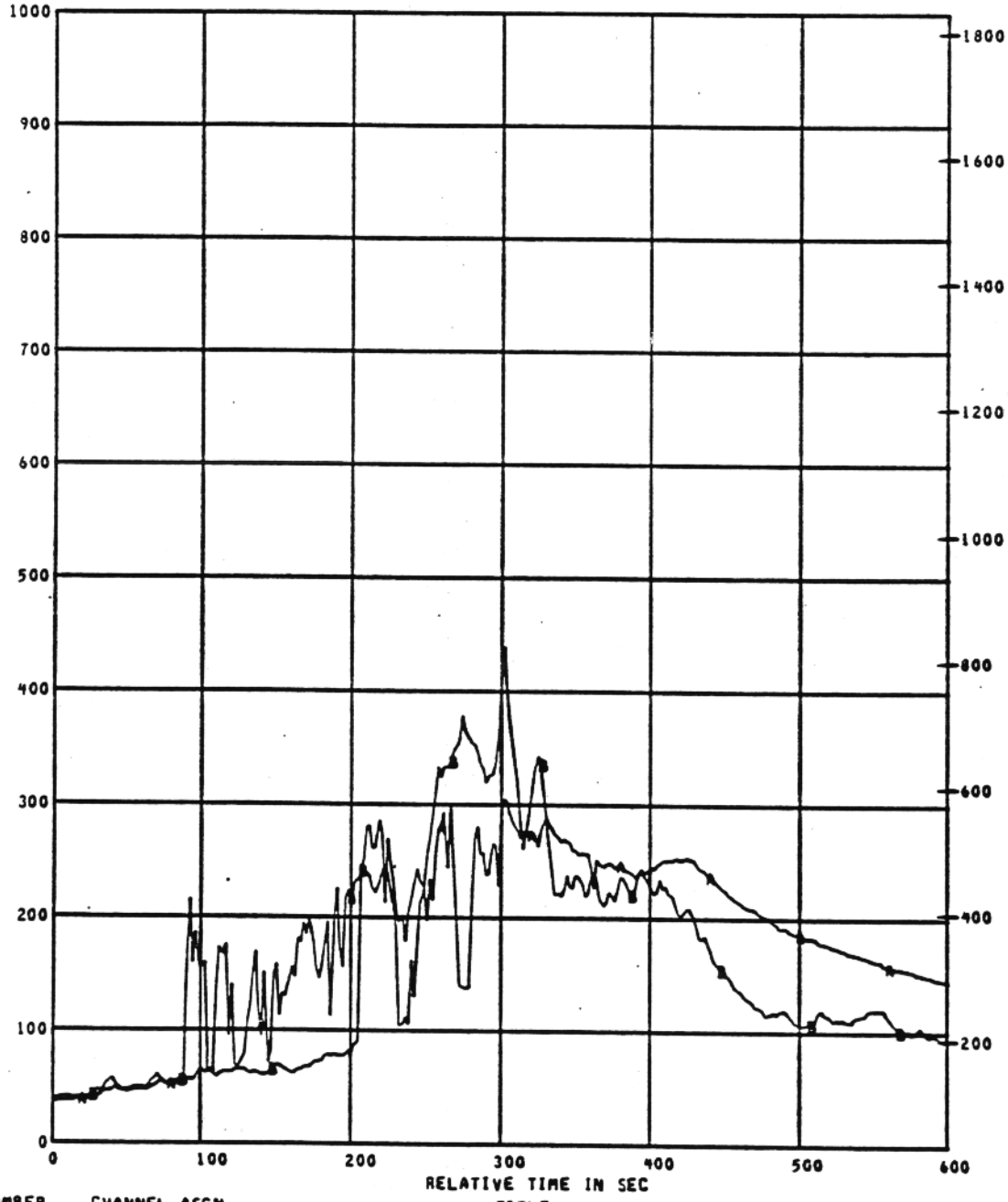
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 14 23 31.000



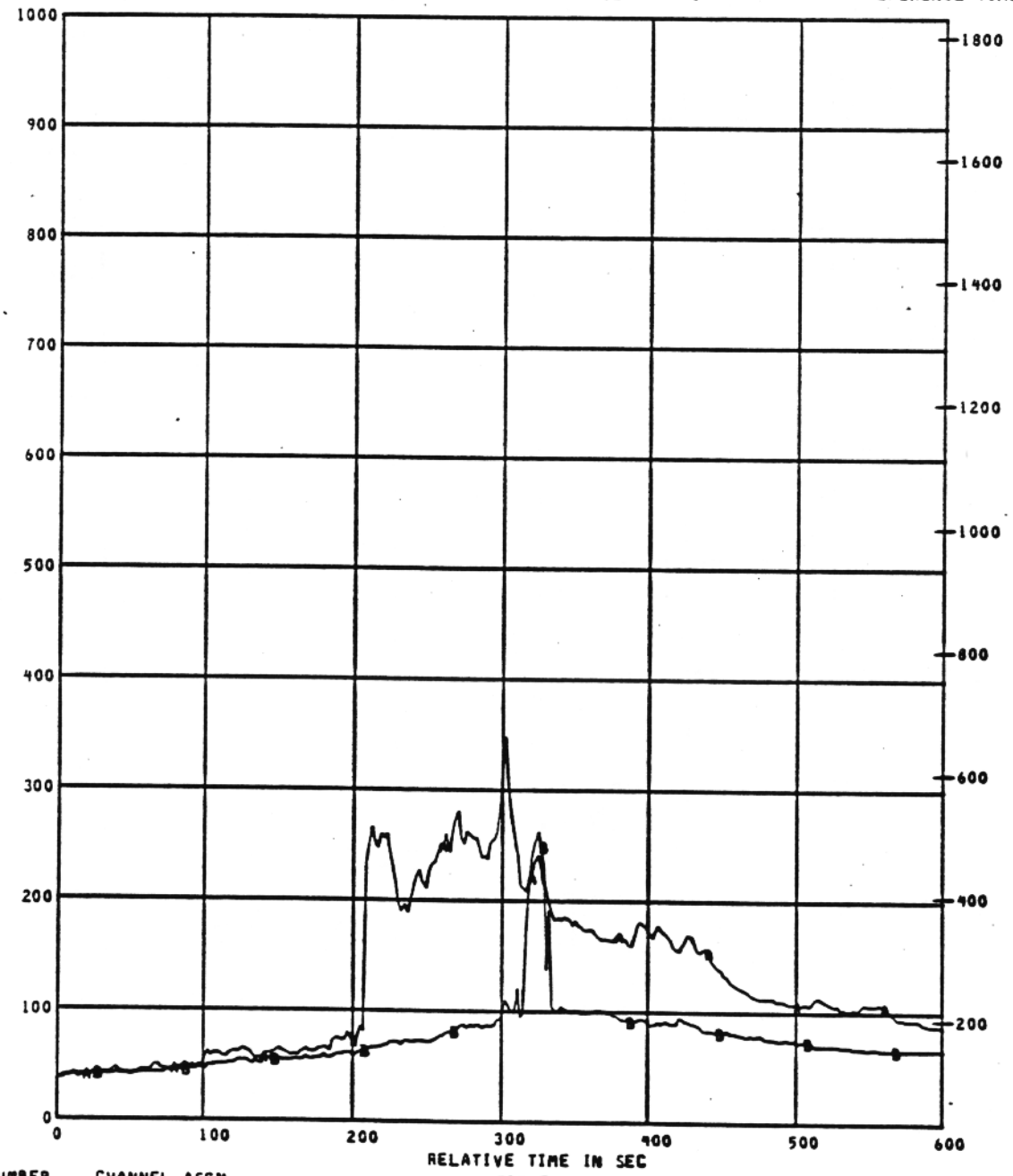
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 14 23 31.000



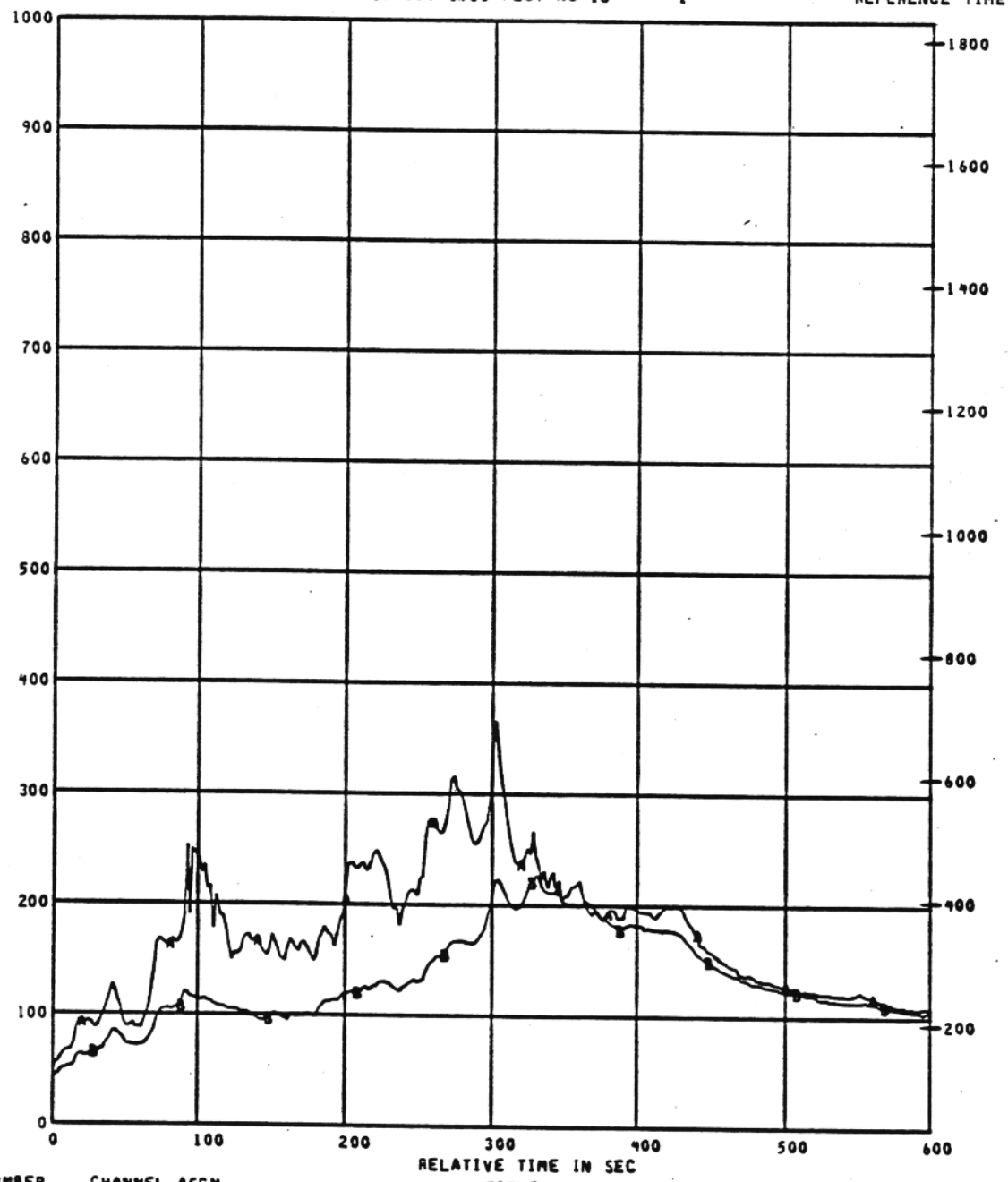
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 14 23 31.000



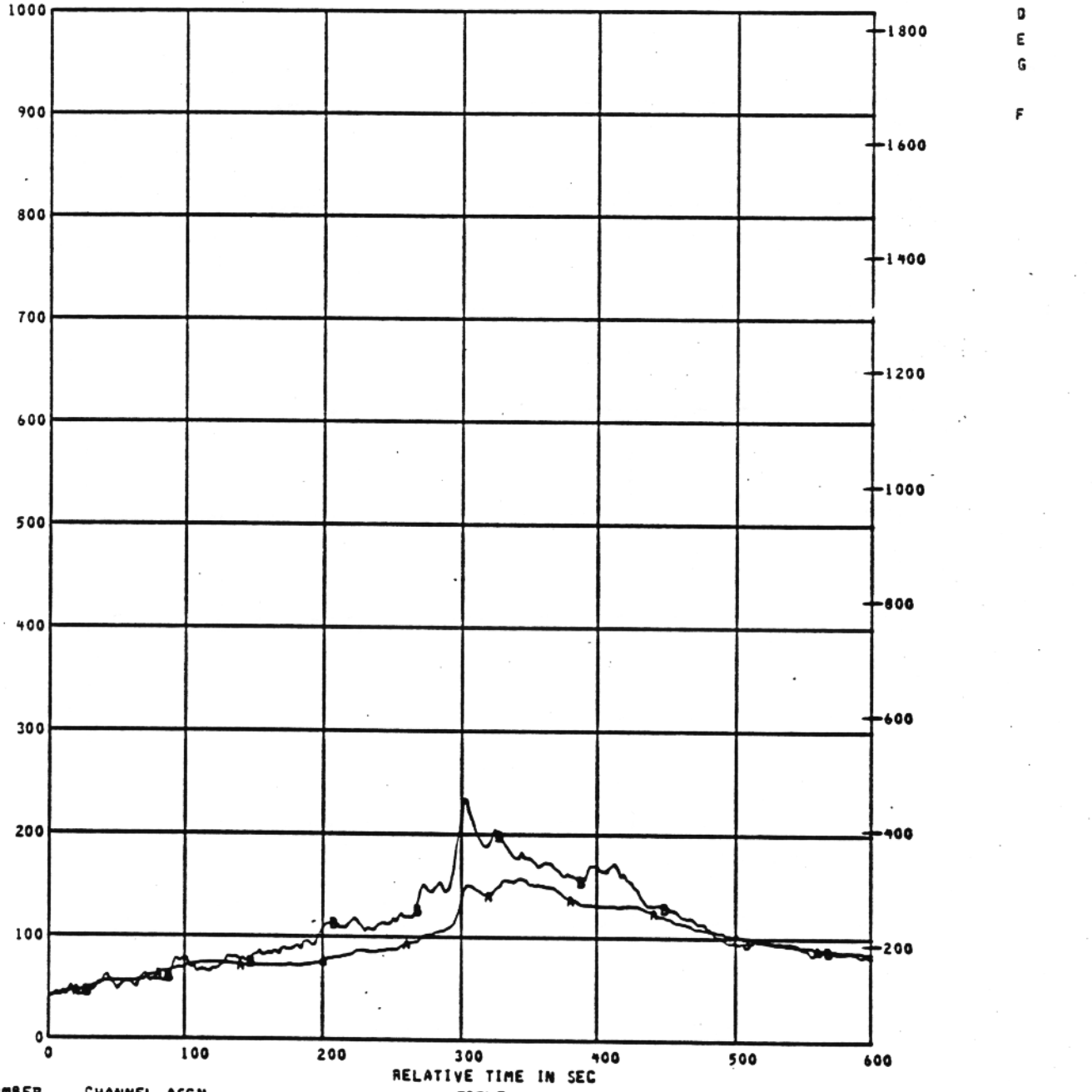
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 14 23 31.000



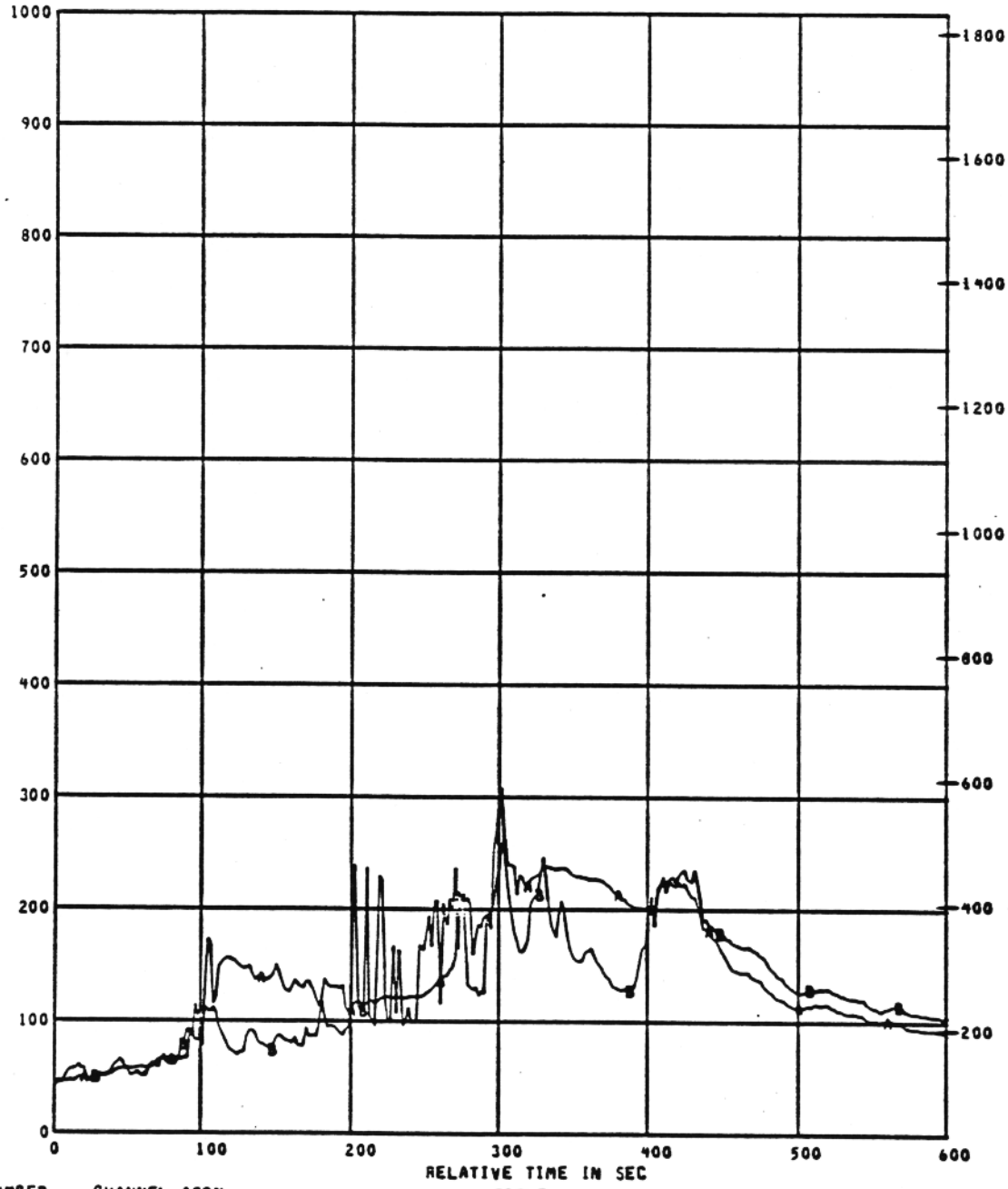
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 14 23 31.000



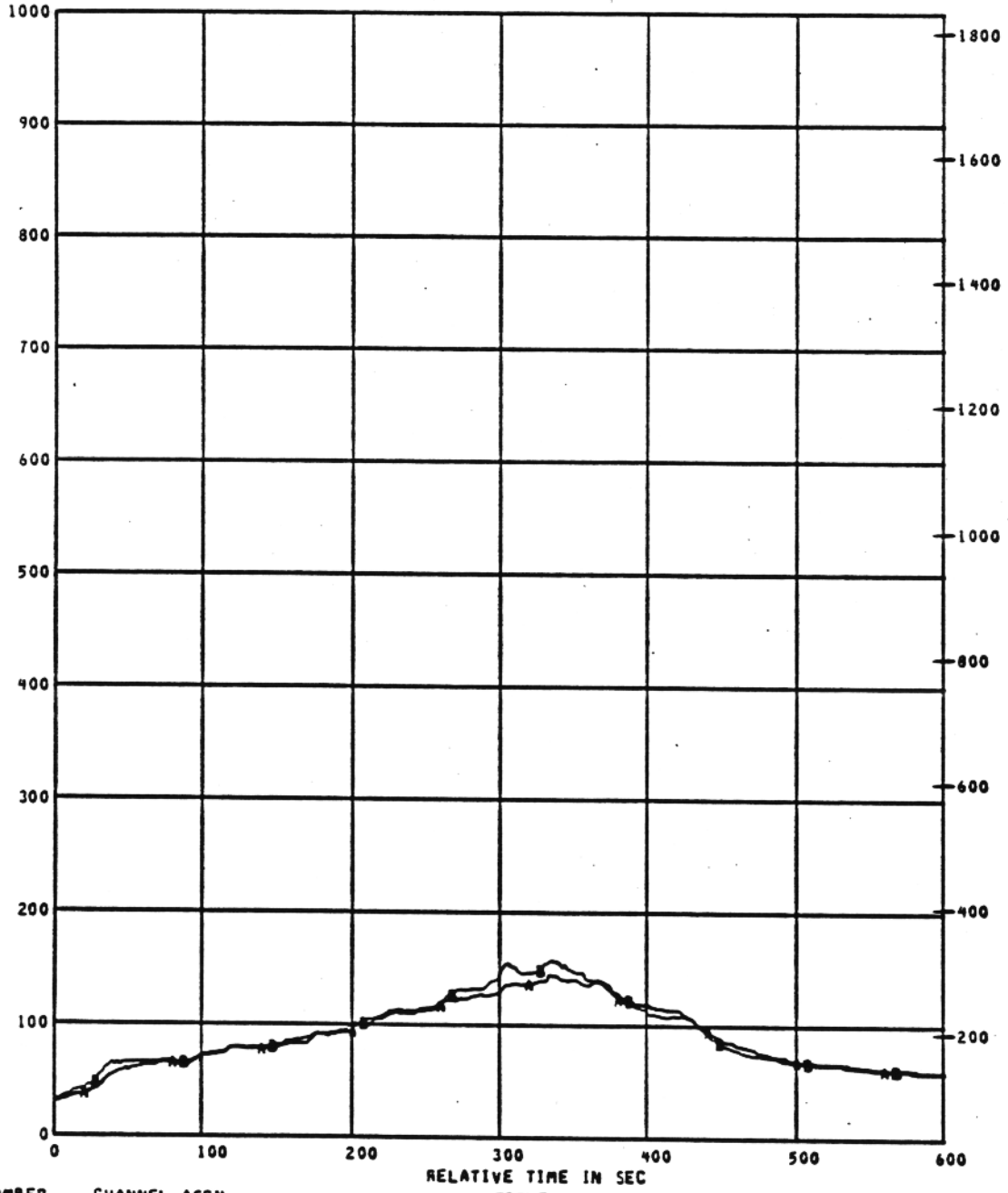
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS38 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 14 23 31.000



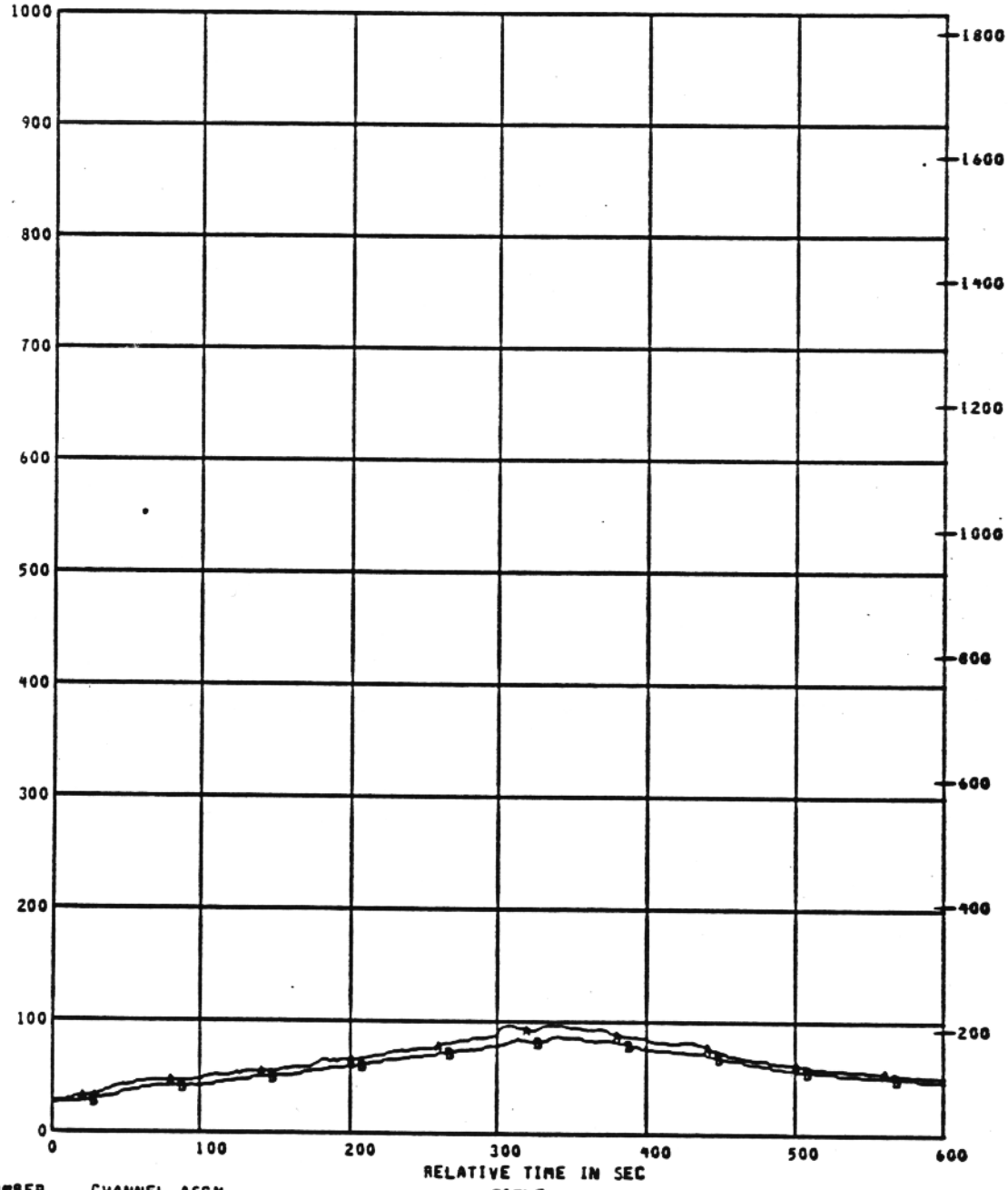
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 14 23 31.000



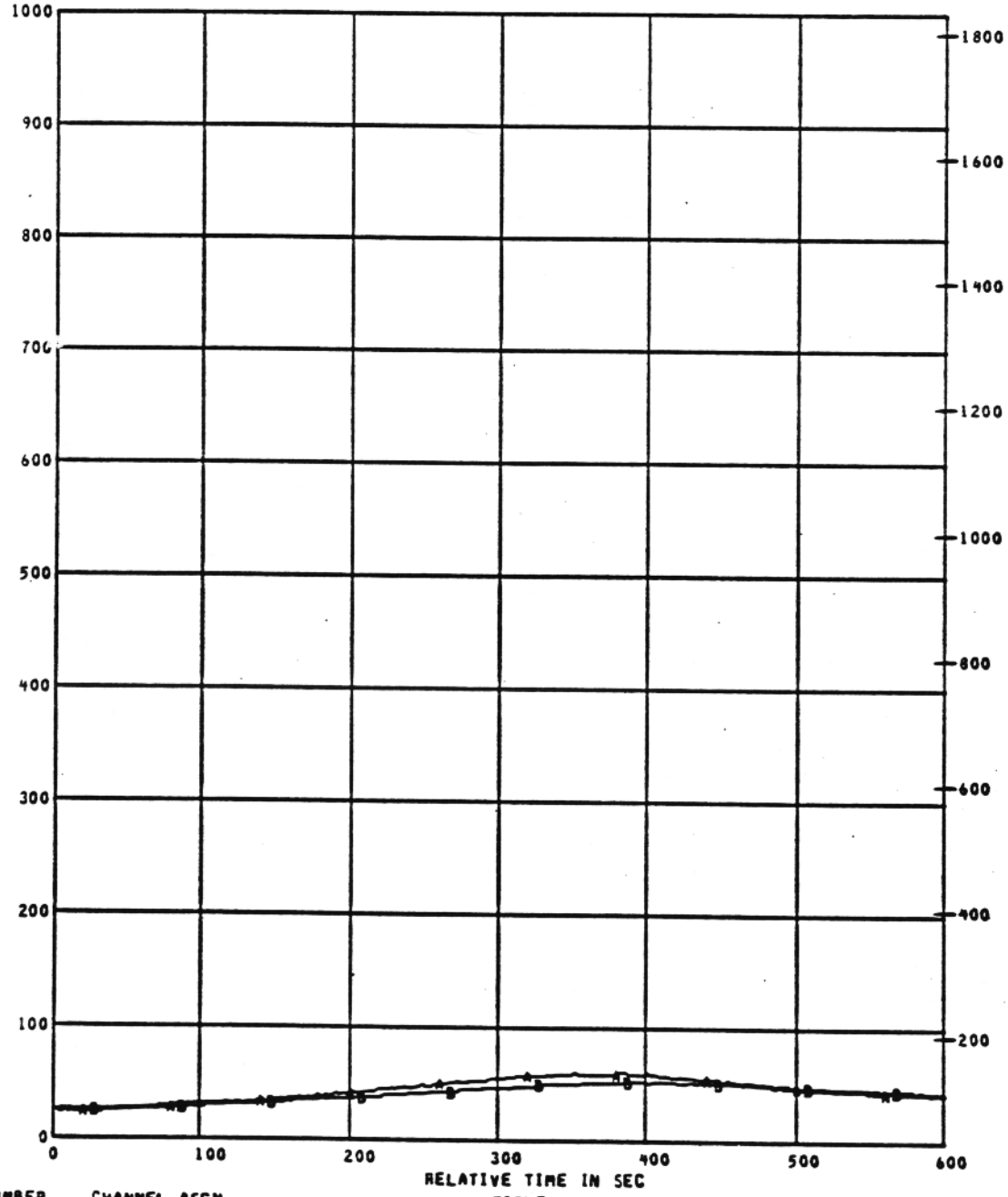
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 14 23 31.000



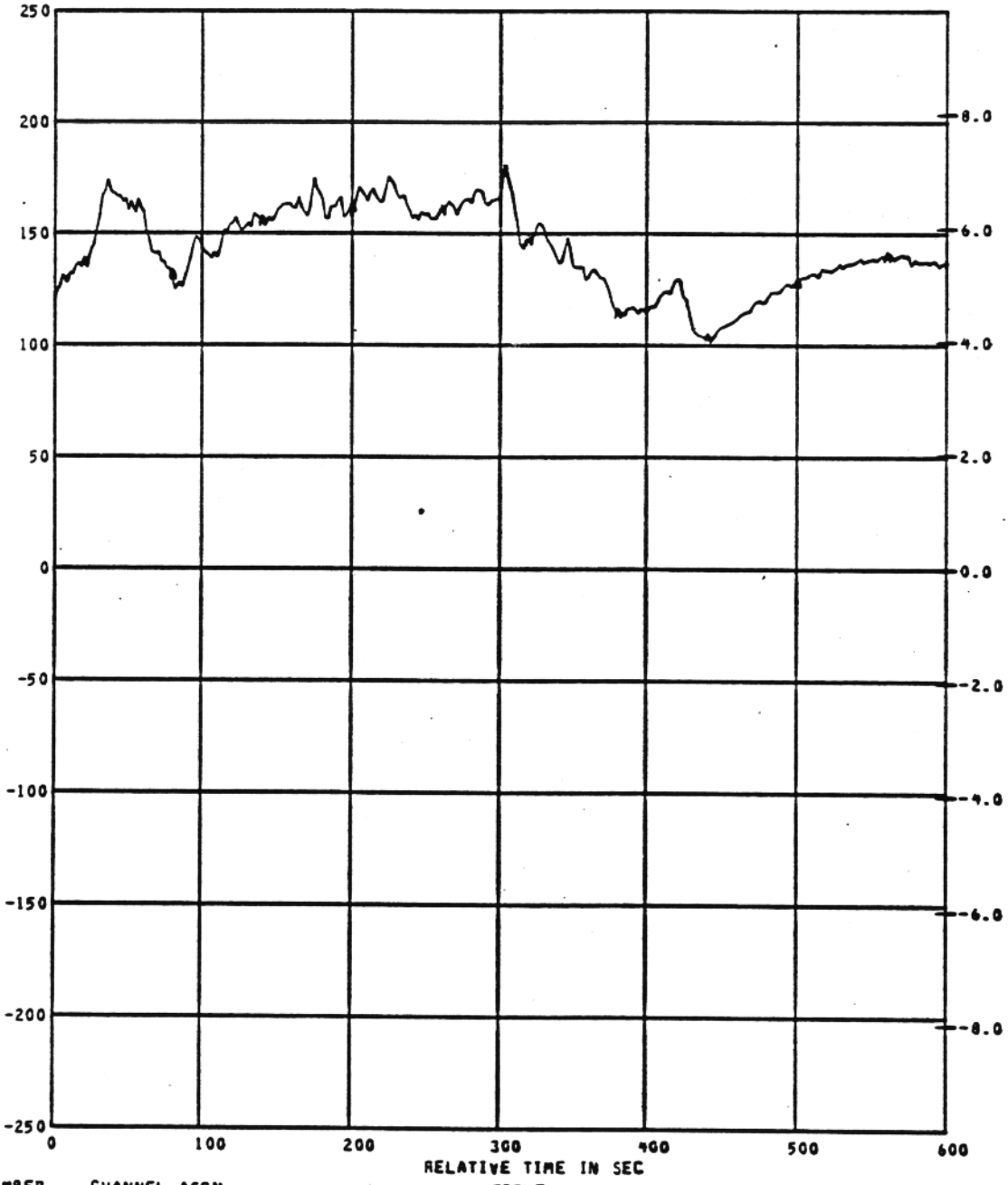
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 14 23 31.000



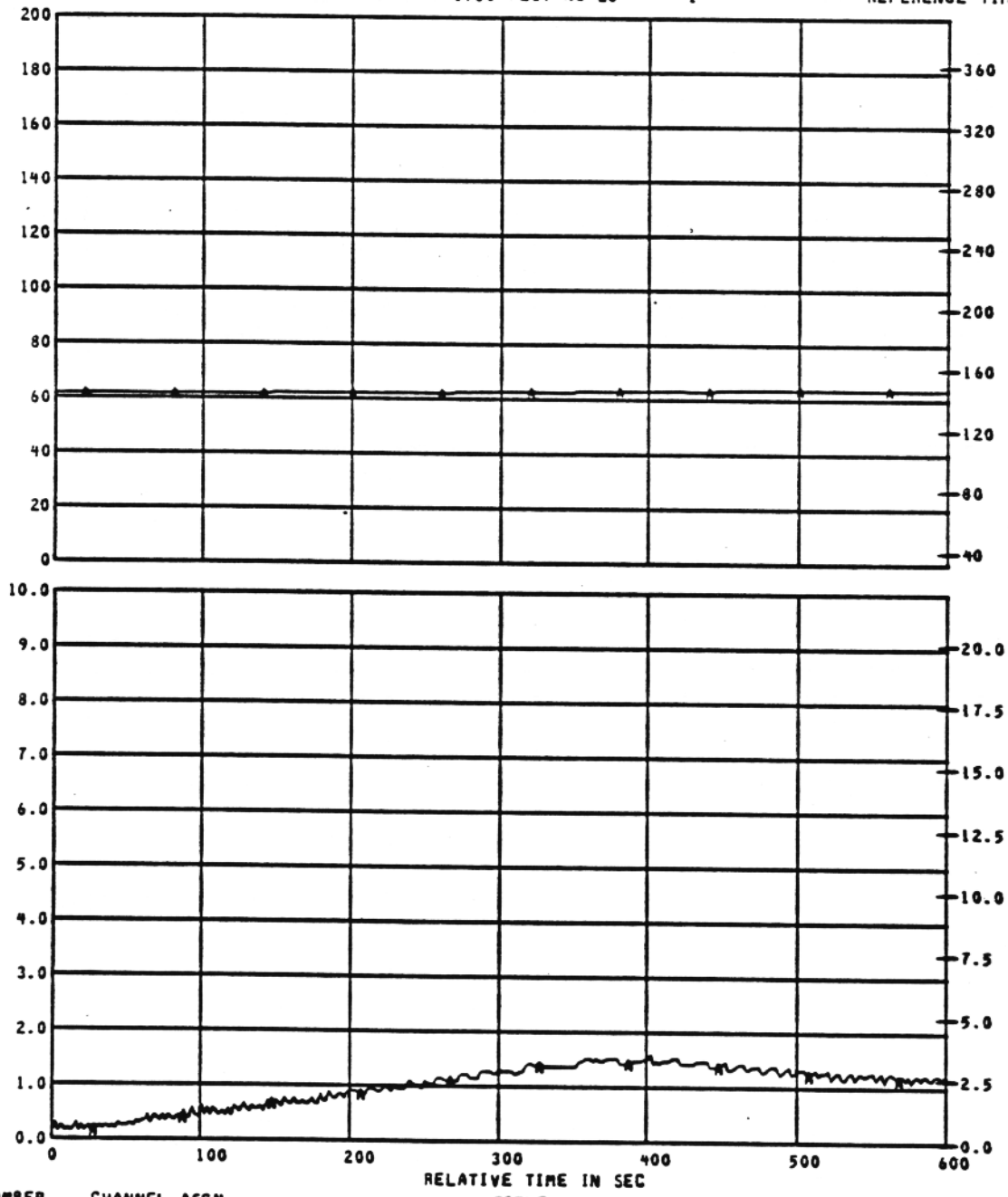
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS3B SEAT TST-OCT 1986 PLOT NO 19 - 1 REFERENCE TIME 14 23 31.000



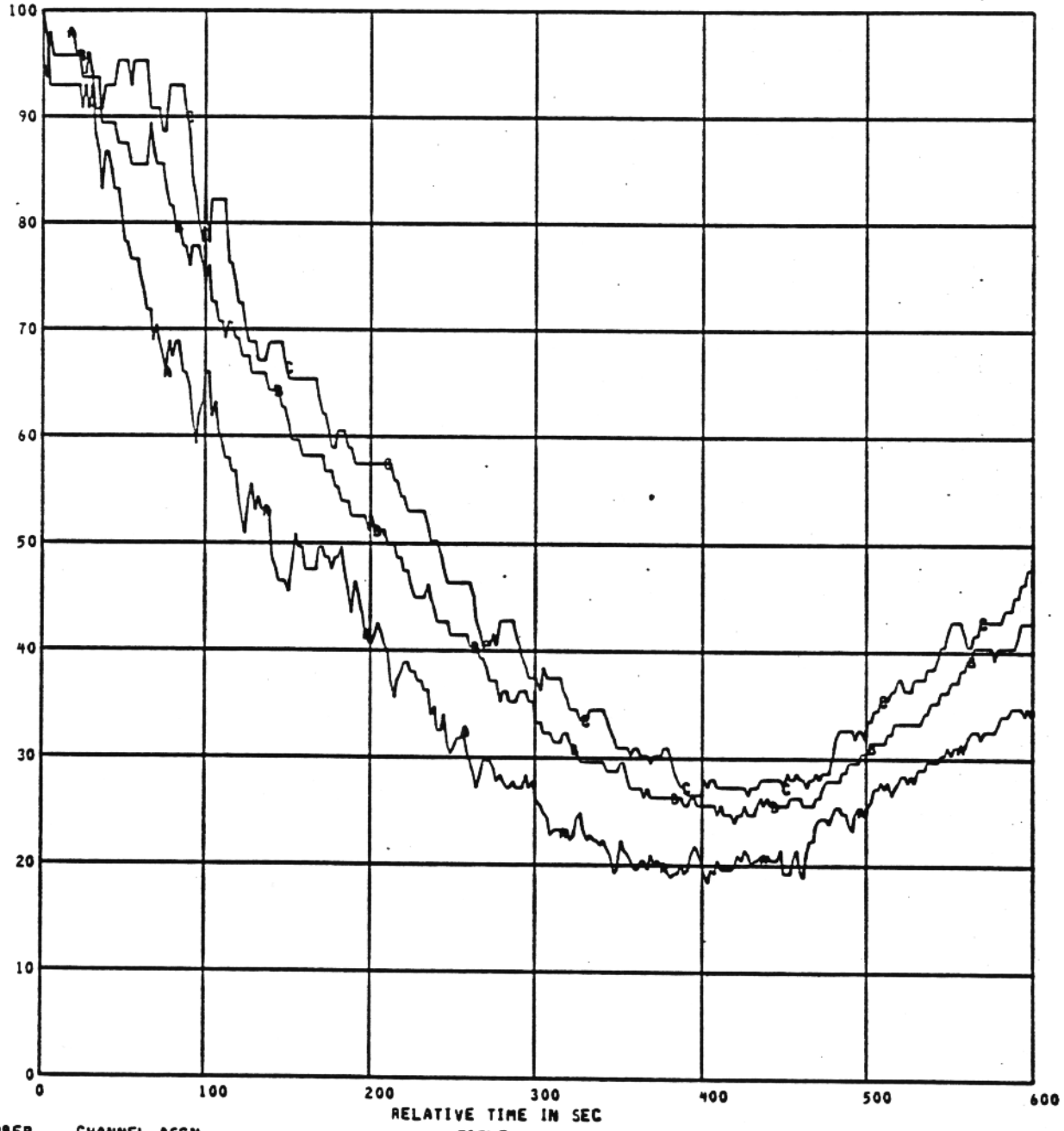
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H2O	AA

TEST ID NAS3B SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 14 23 31.000



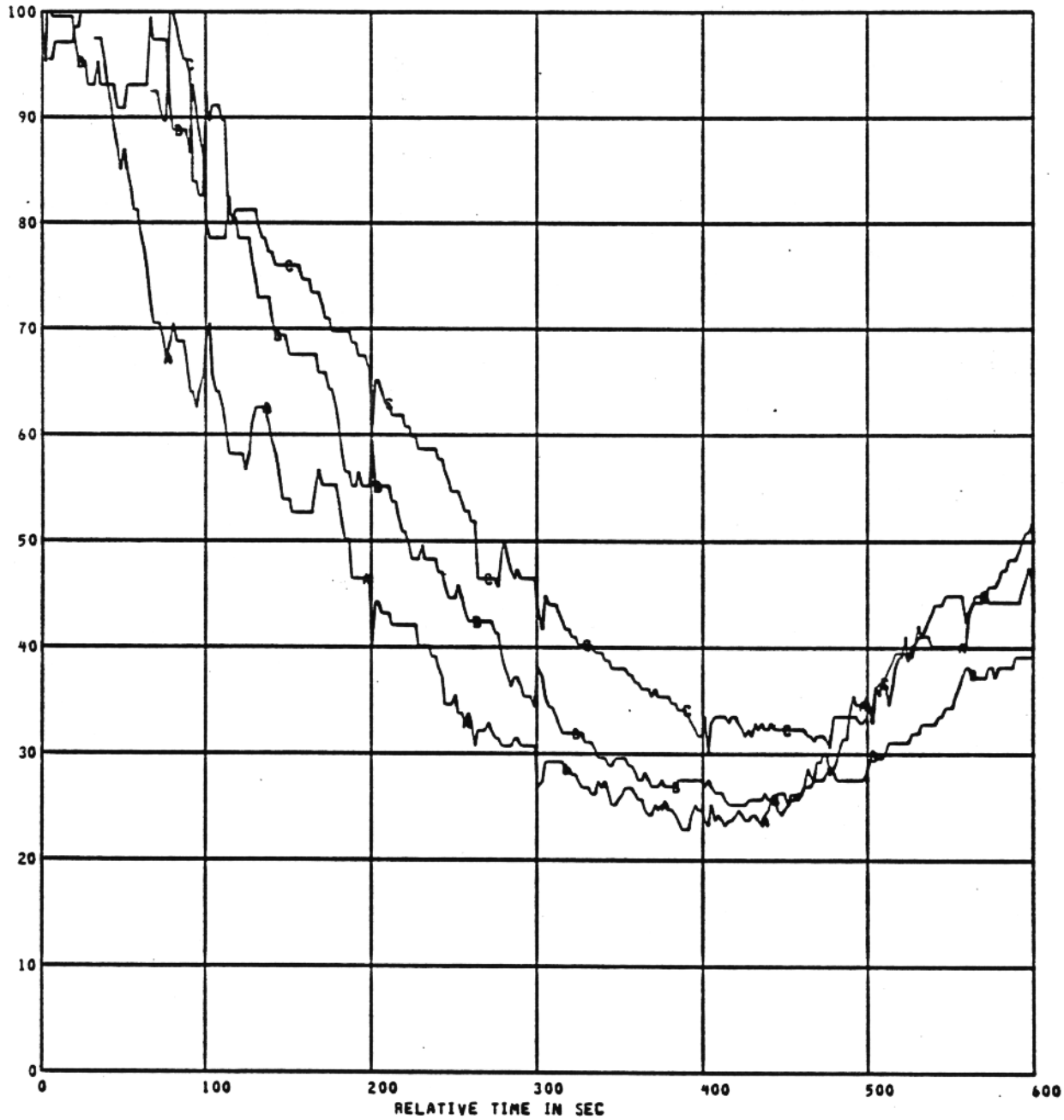
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 13 51 05.000



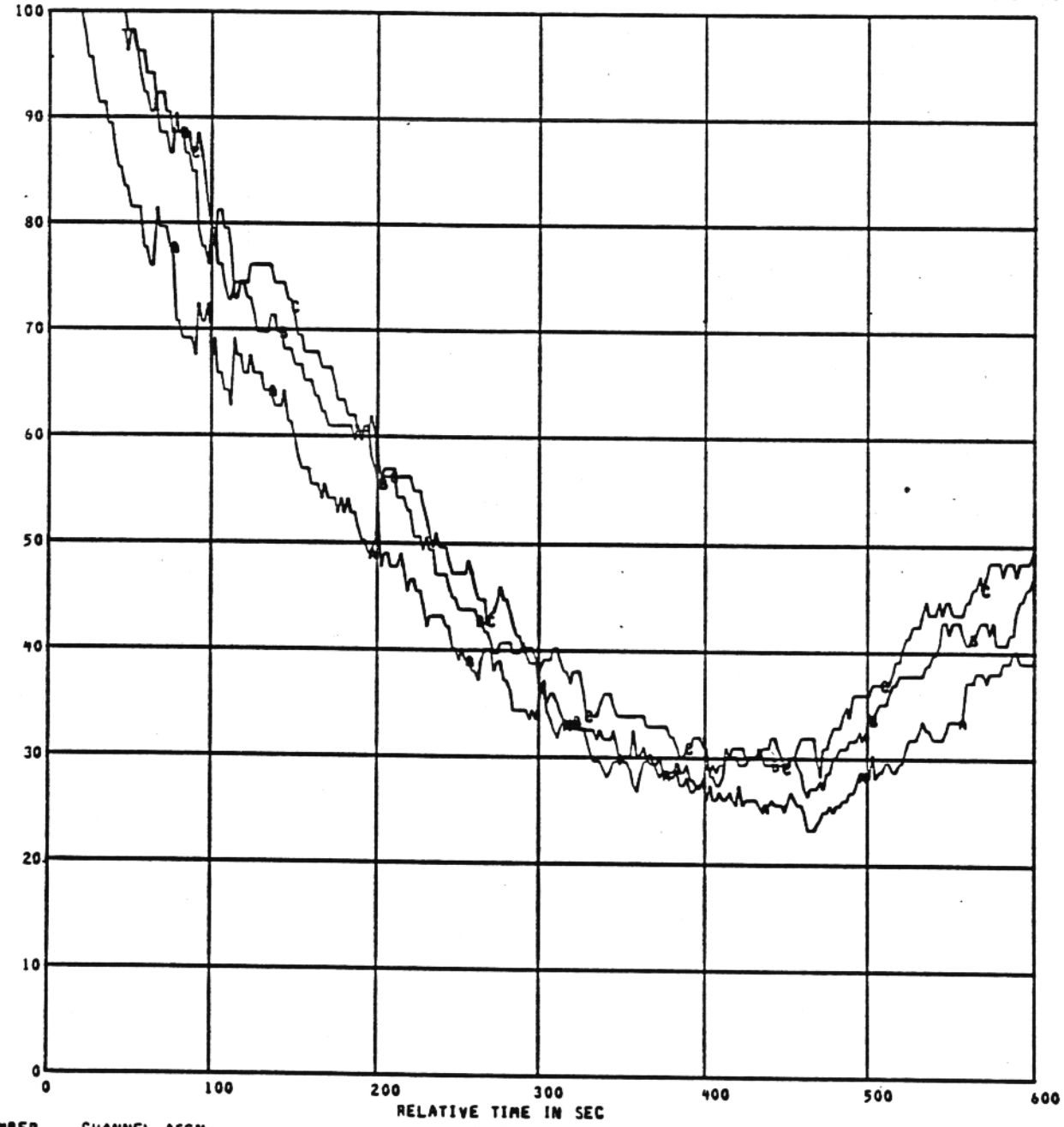
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 13 51 05.000



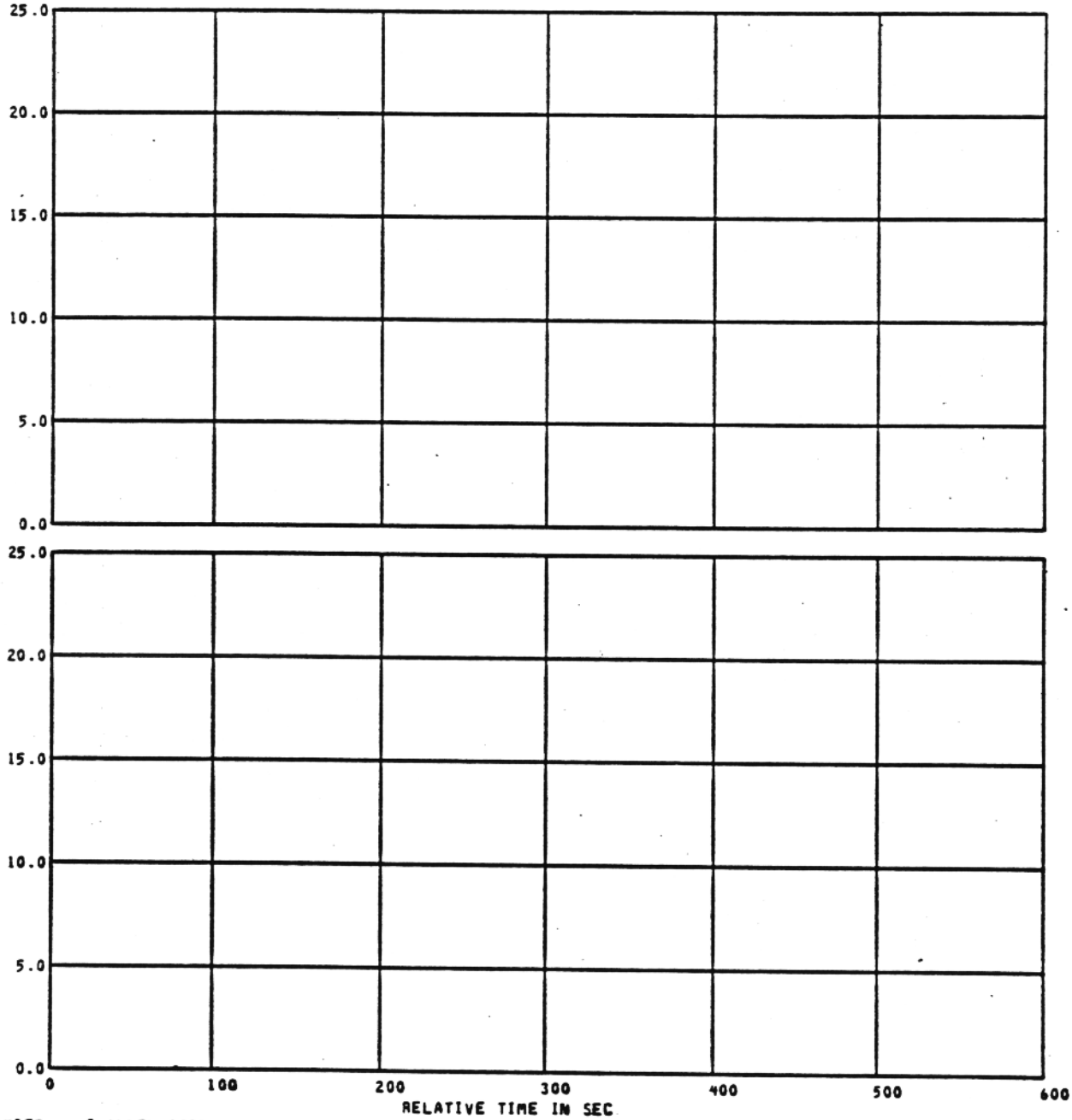
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 13 51 05.000



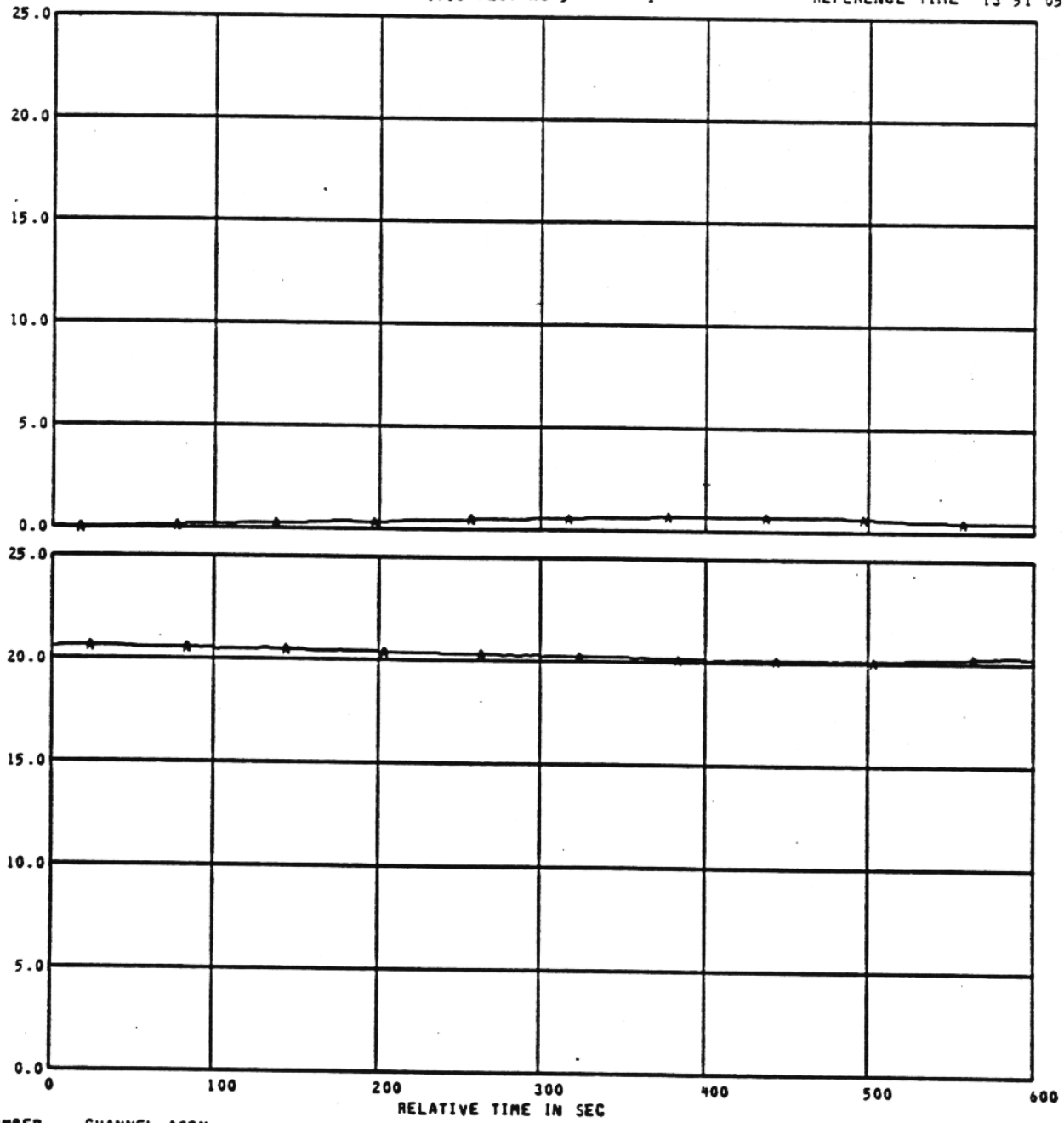
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 13 51 05.000



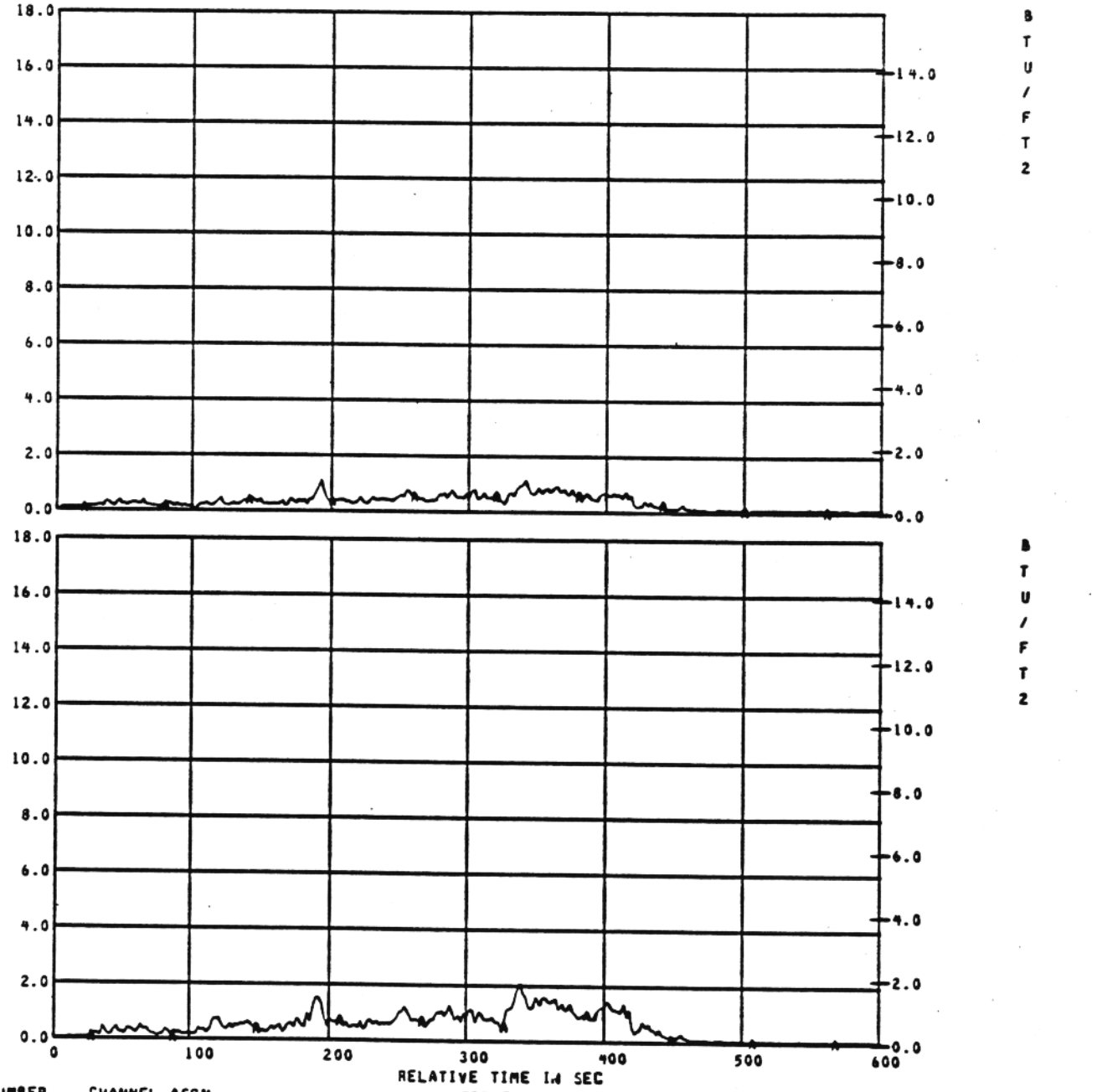
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS48 SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 13 51 05.000



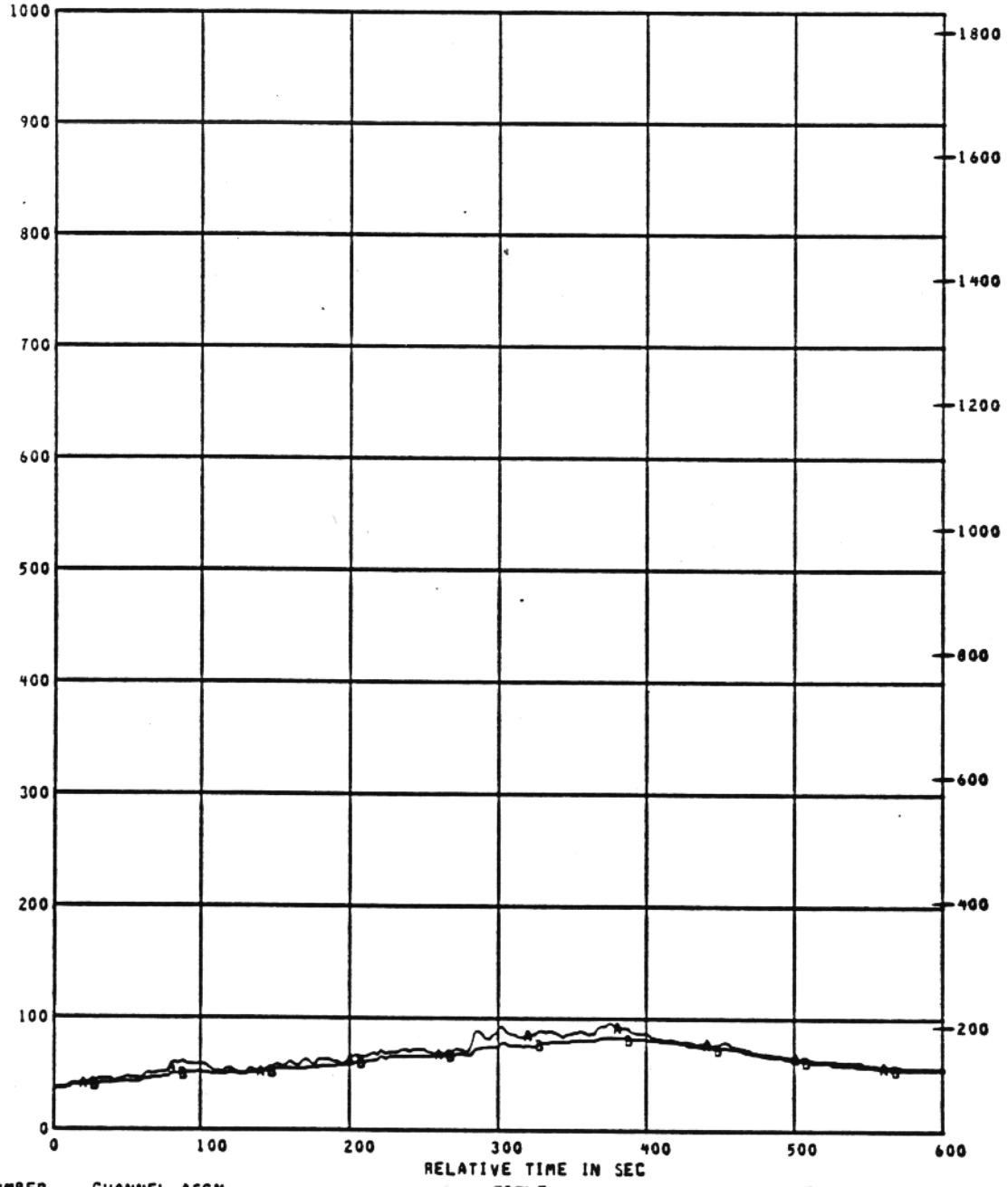
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 13 51 05.000



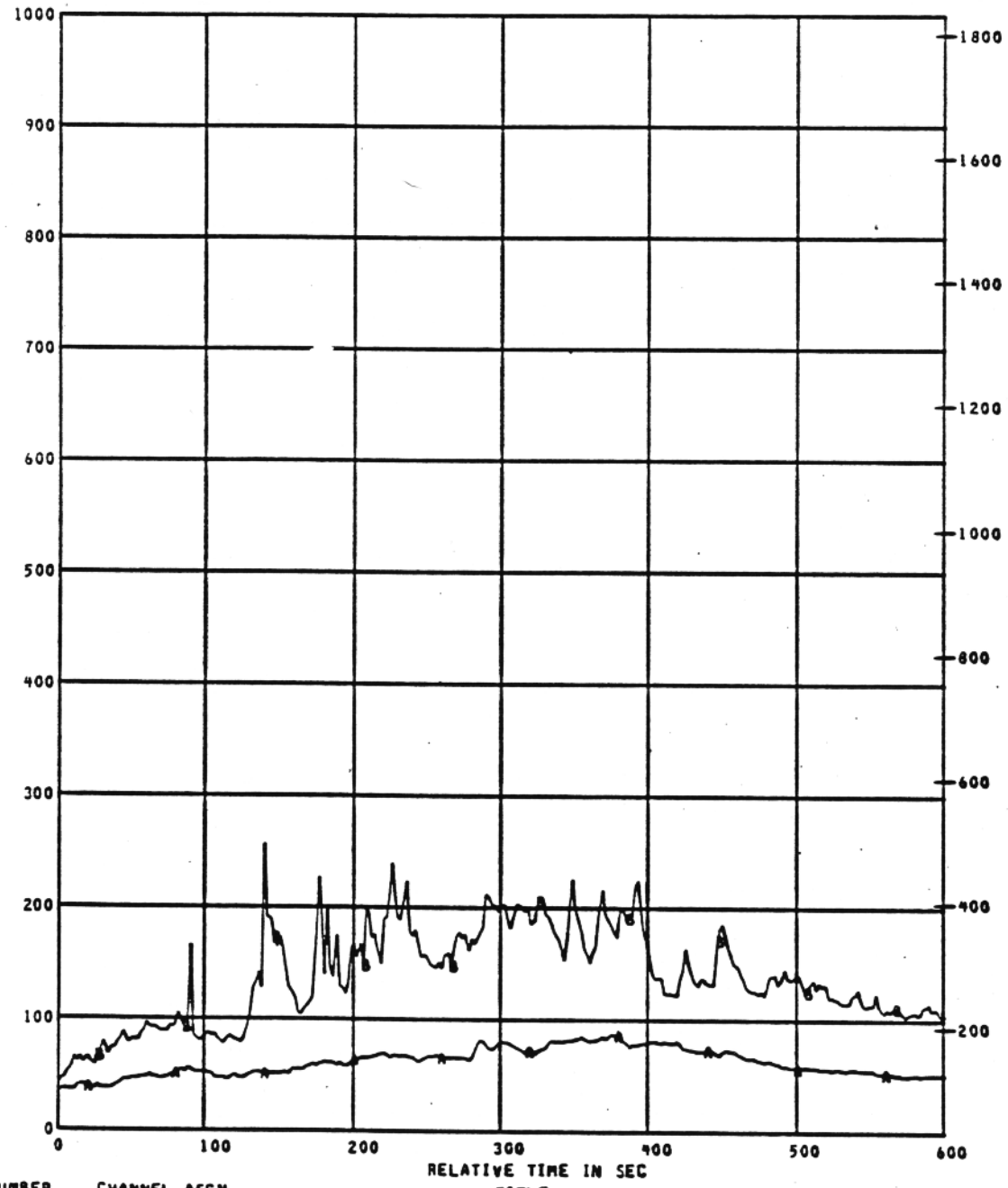
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 13 51 05.000



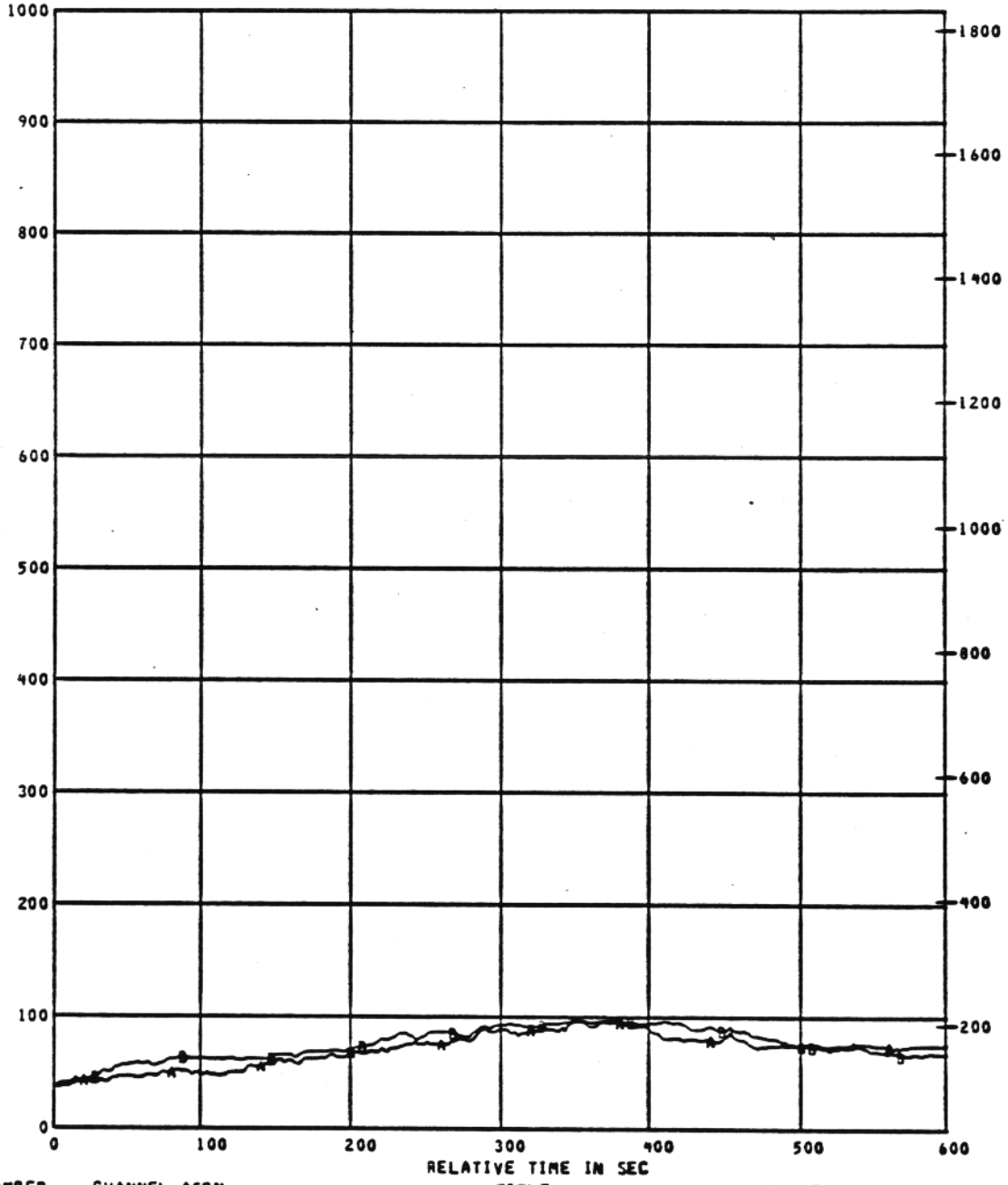
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 13 51 05.000



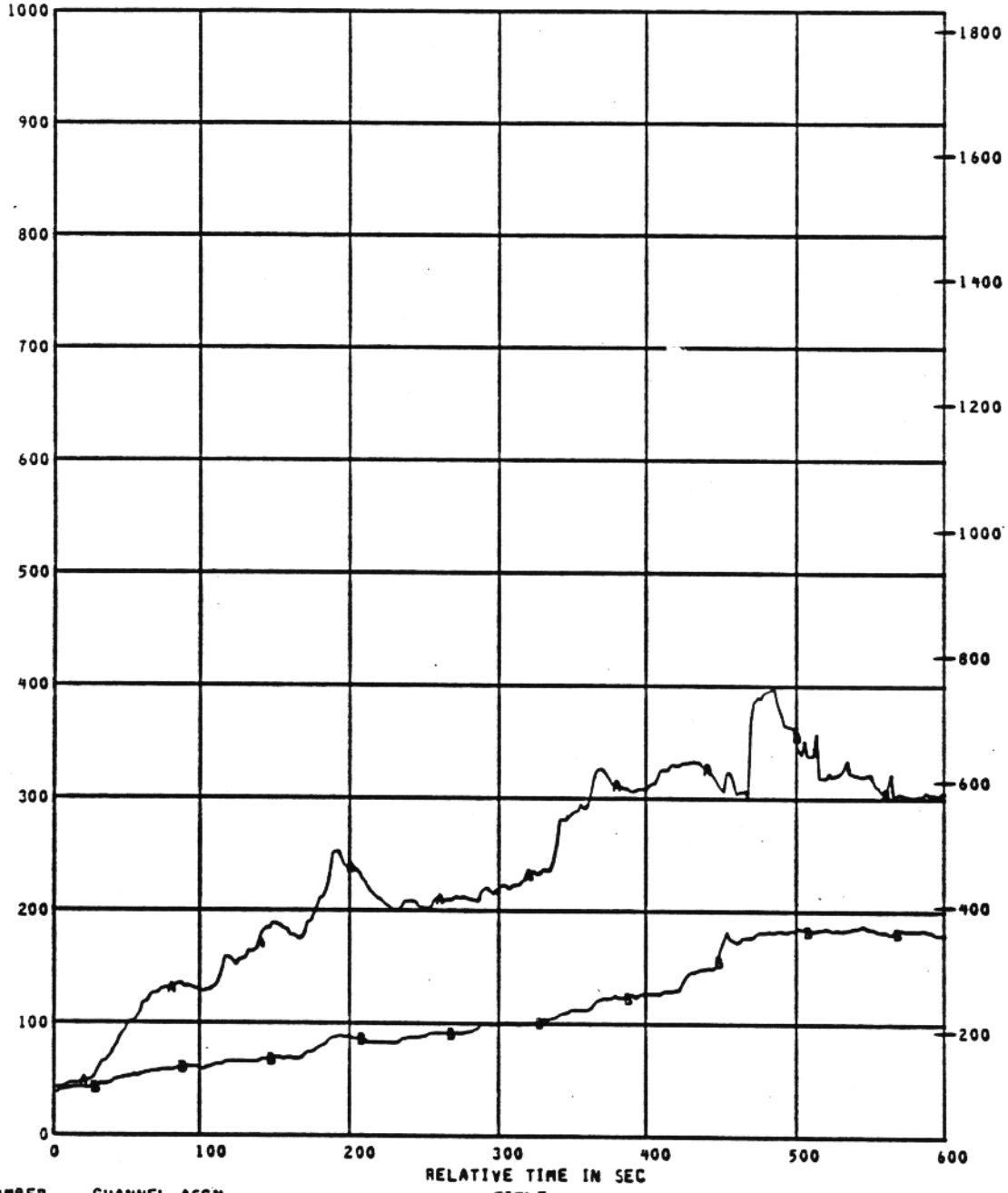
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS48 SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 13 51 05.000



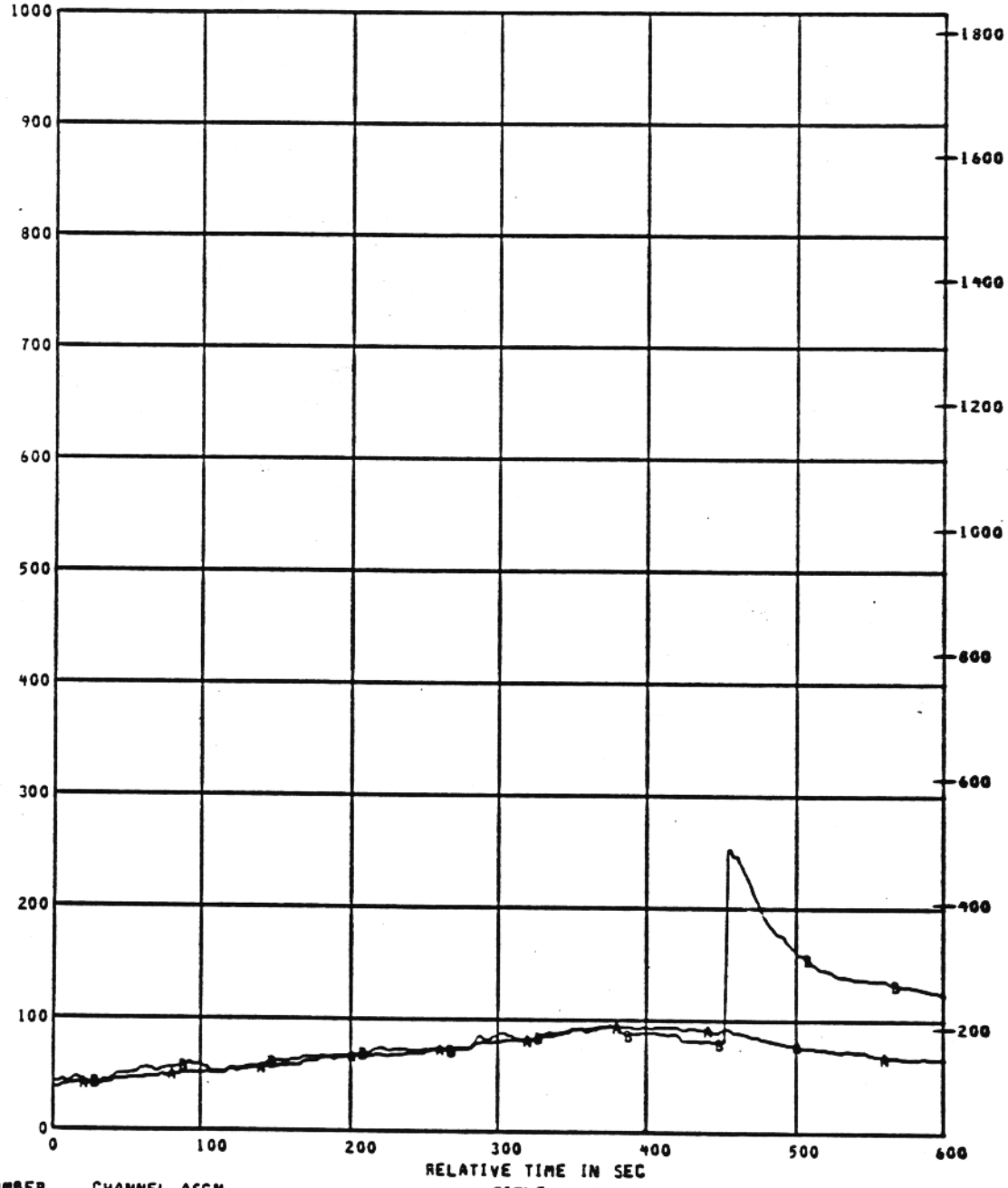
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 13 51 05.000



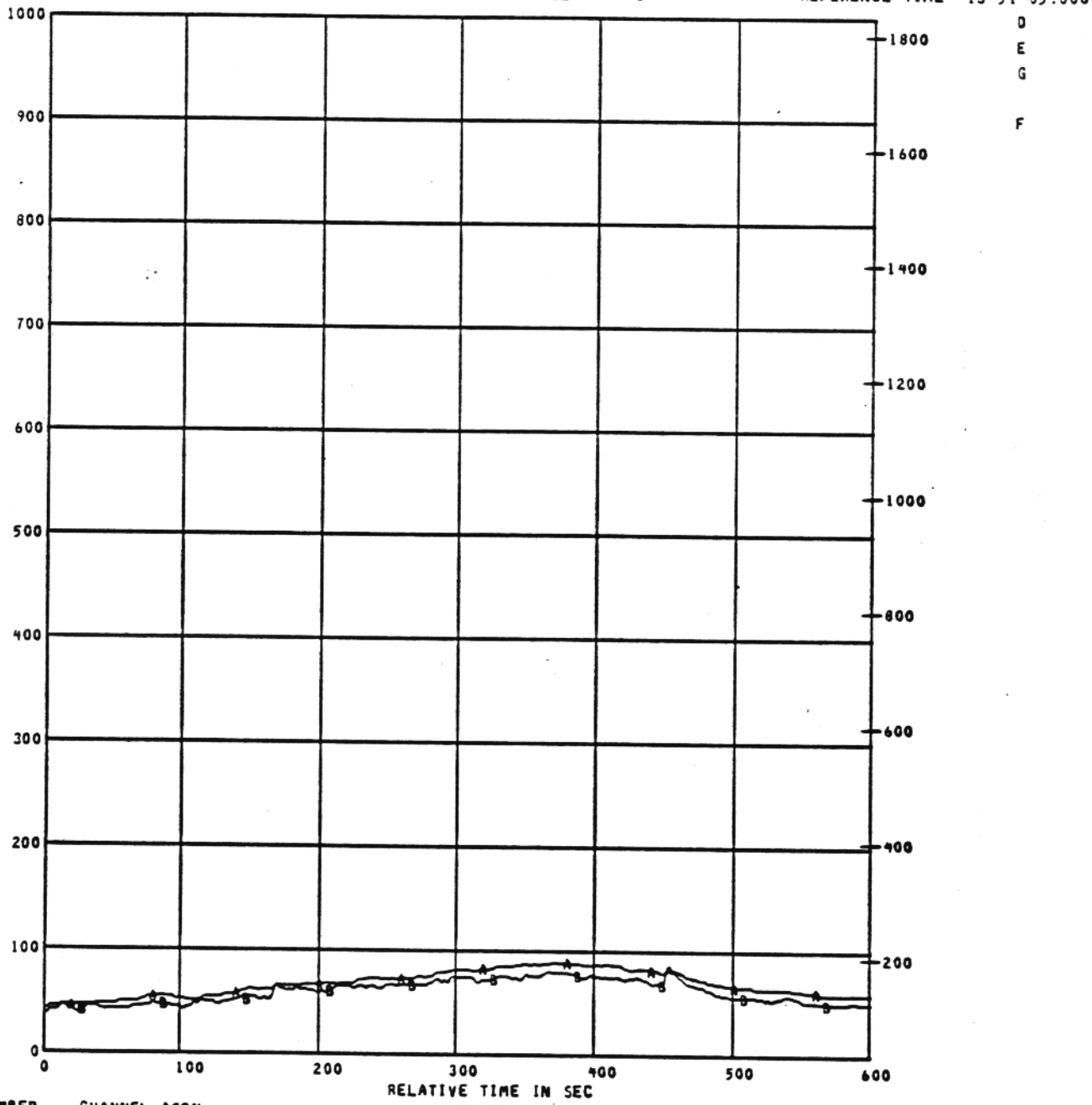
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 13 51 05.000



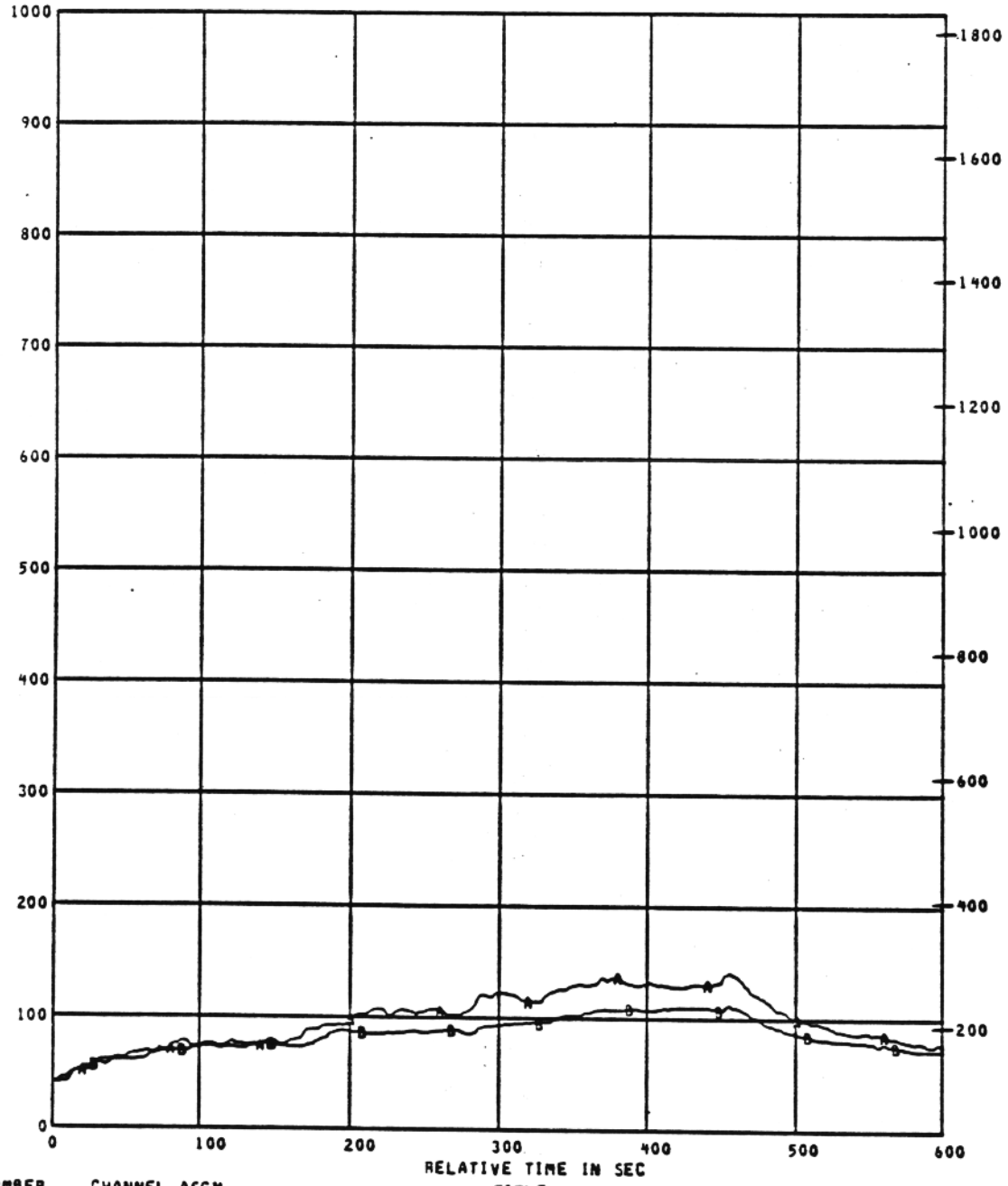
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 13 51 05.000



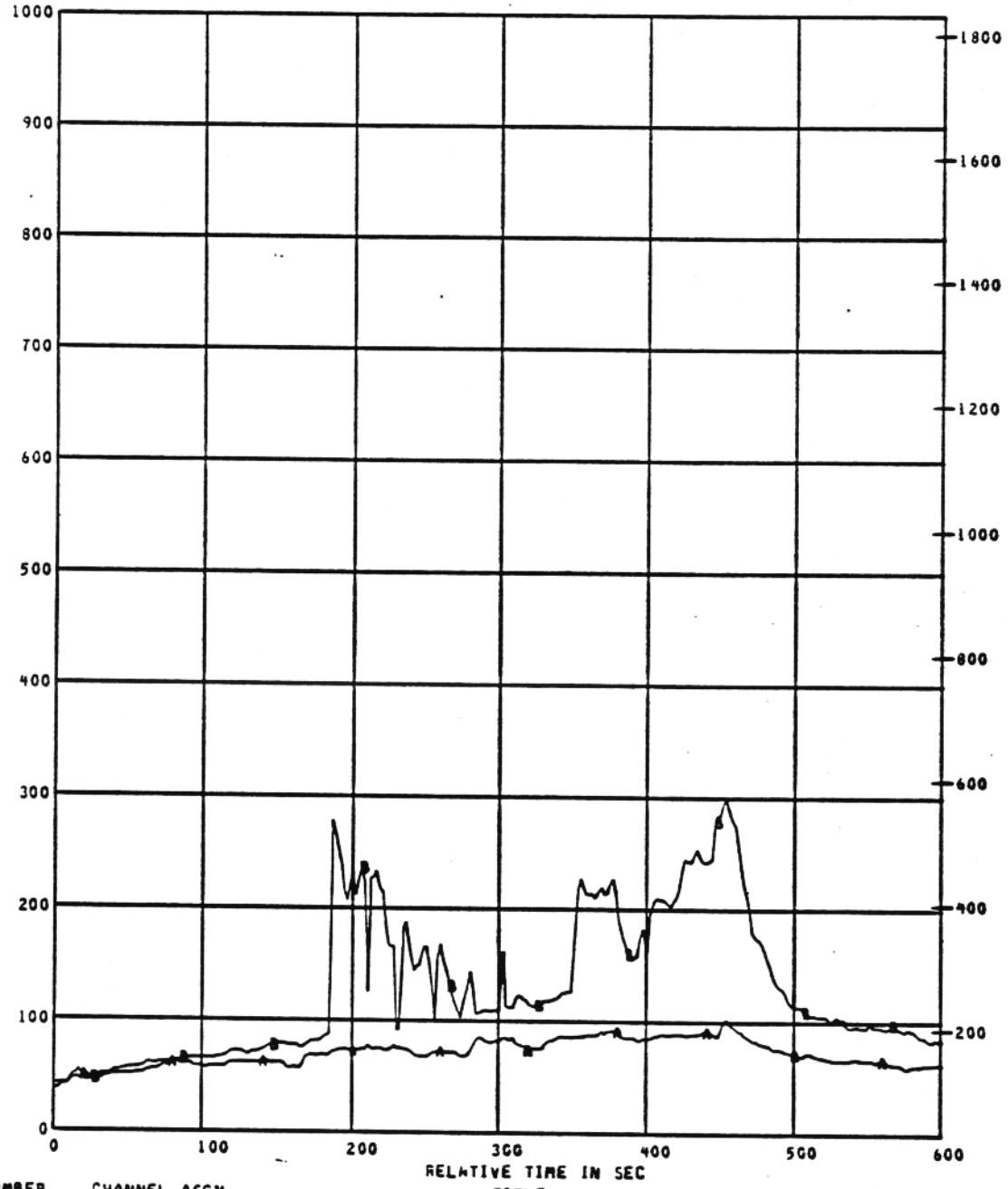
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 13 51 05.000



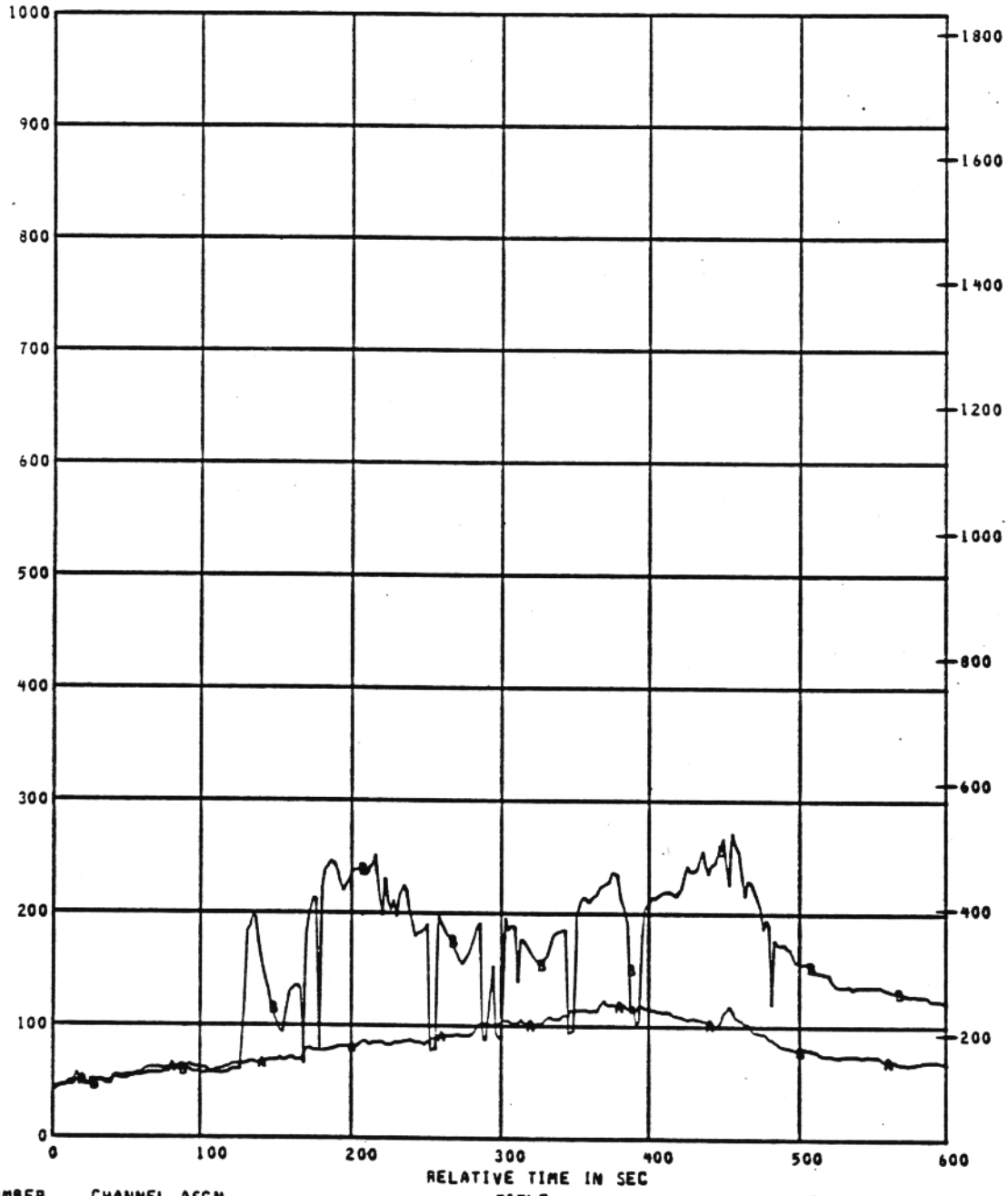
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS48 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 13 51 05.000



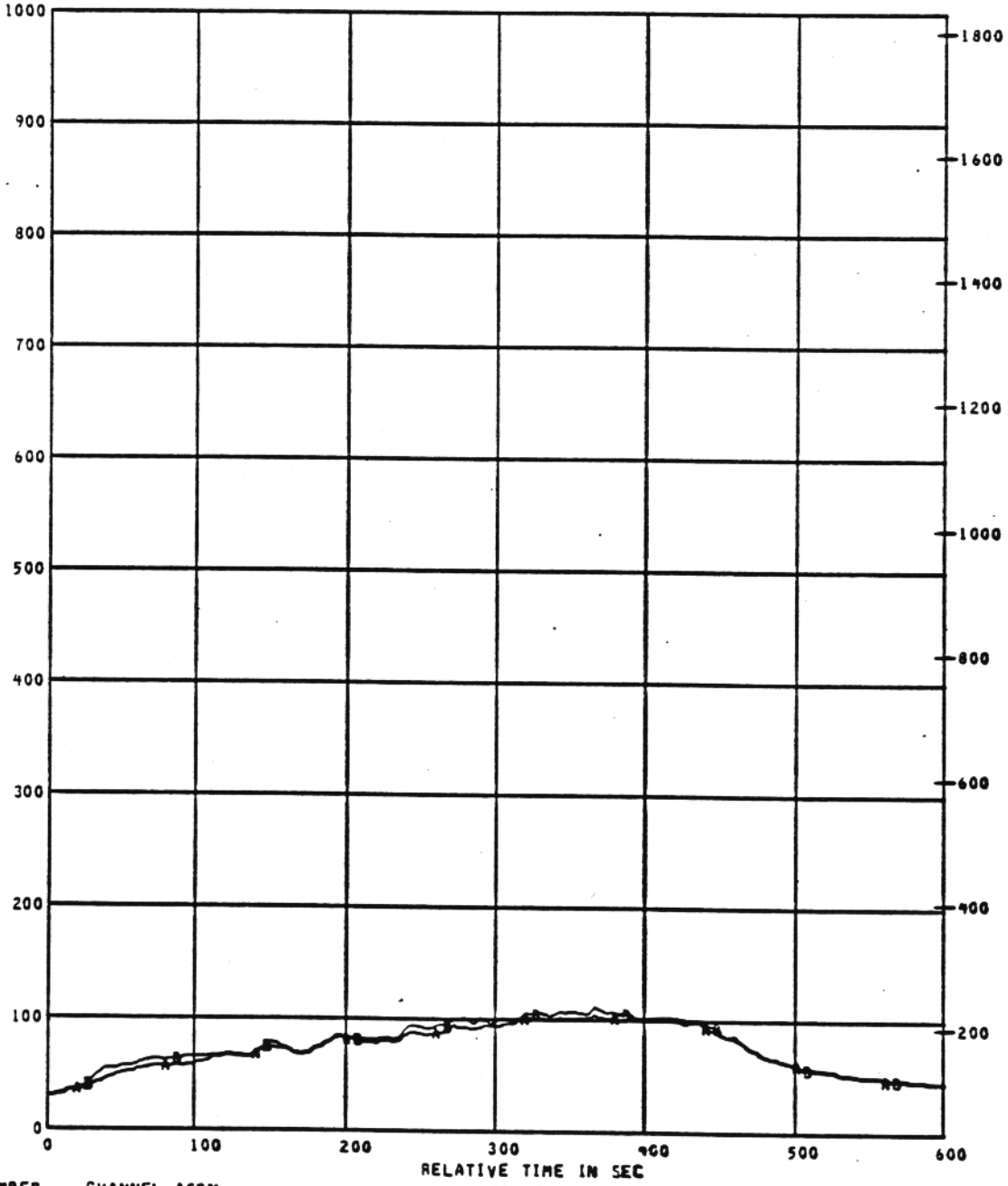
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 13 51 05.000



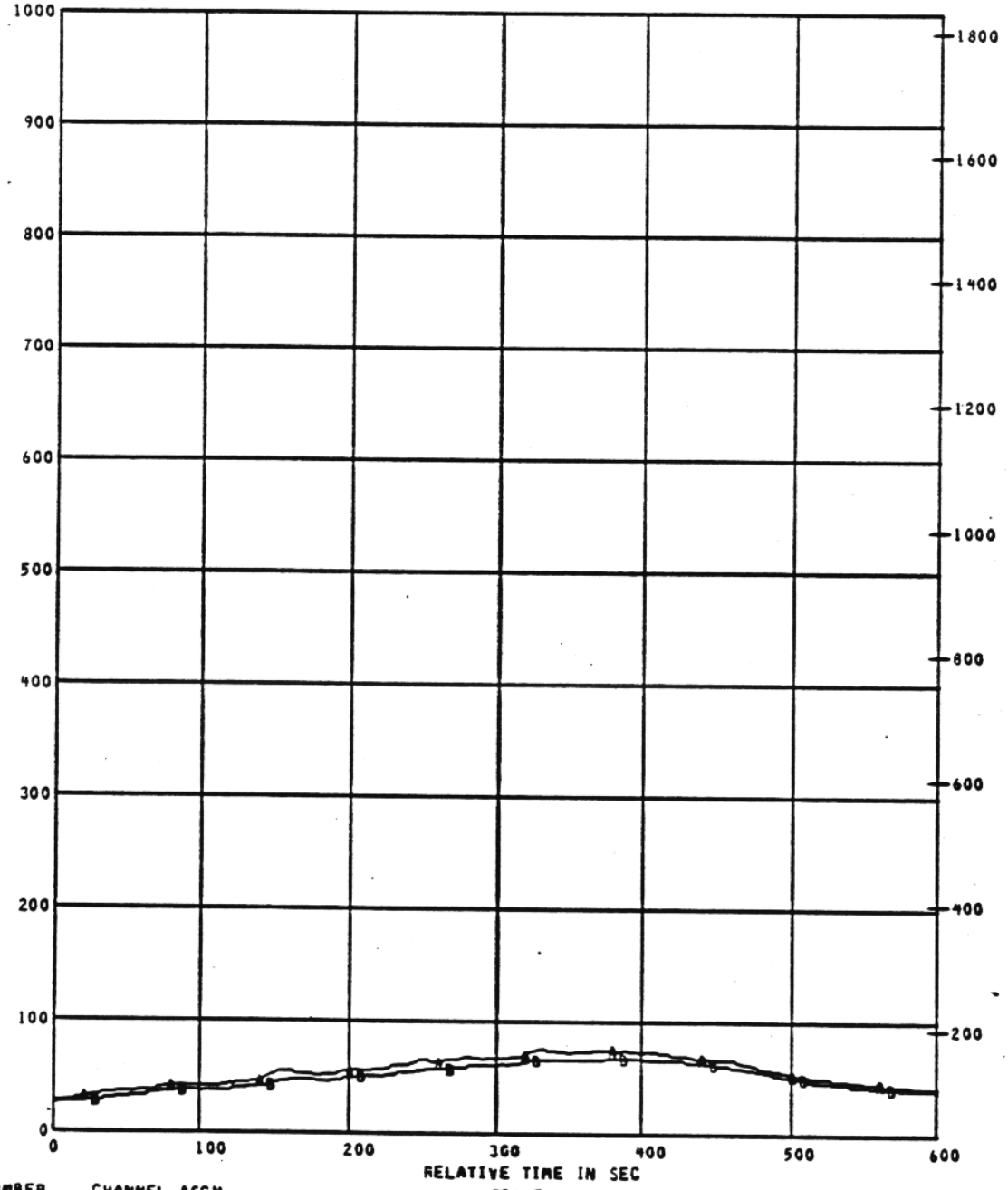
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 13 51 05.000



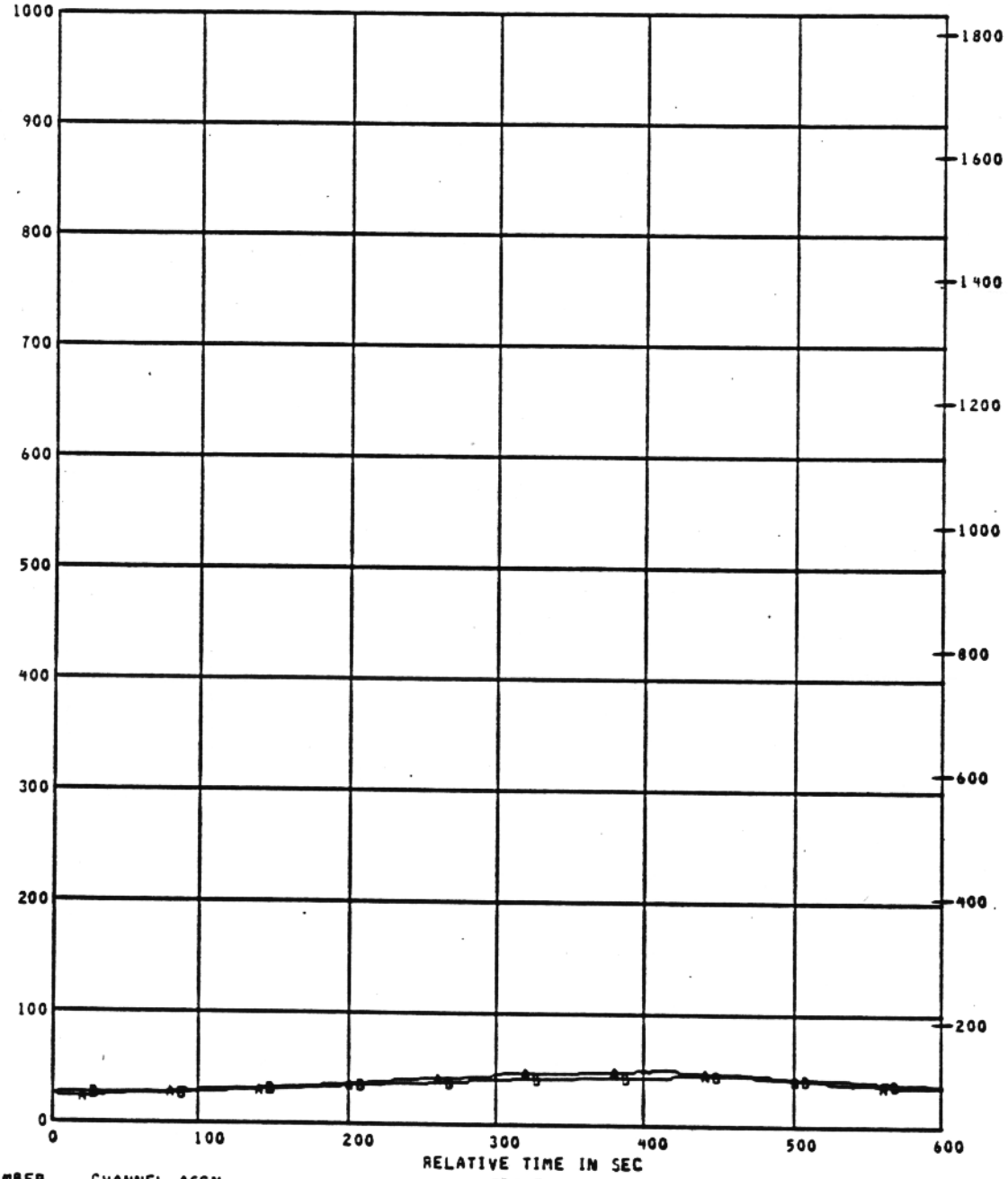
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS48 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 13 51 05.000



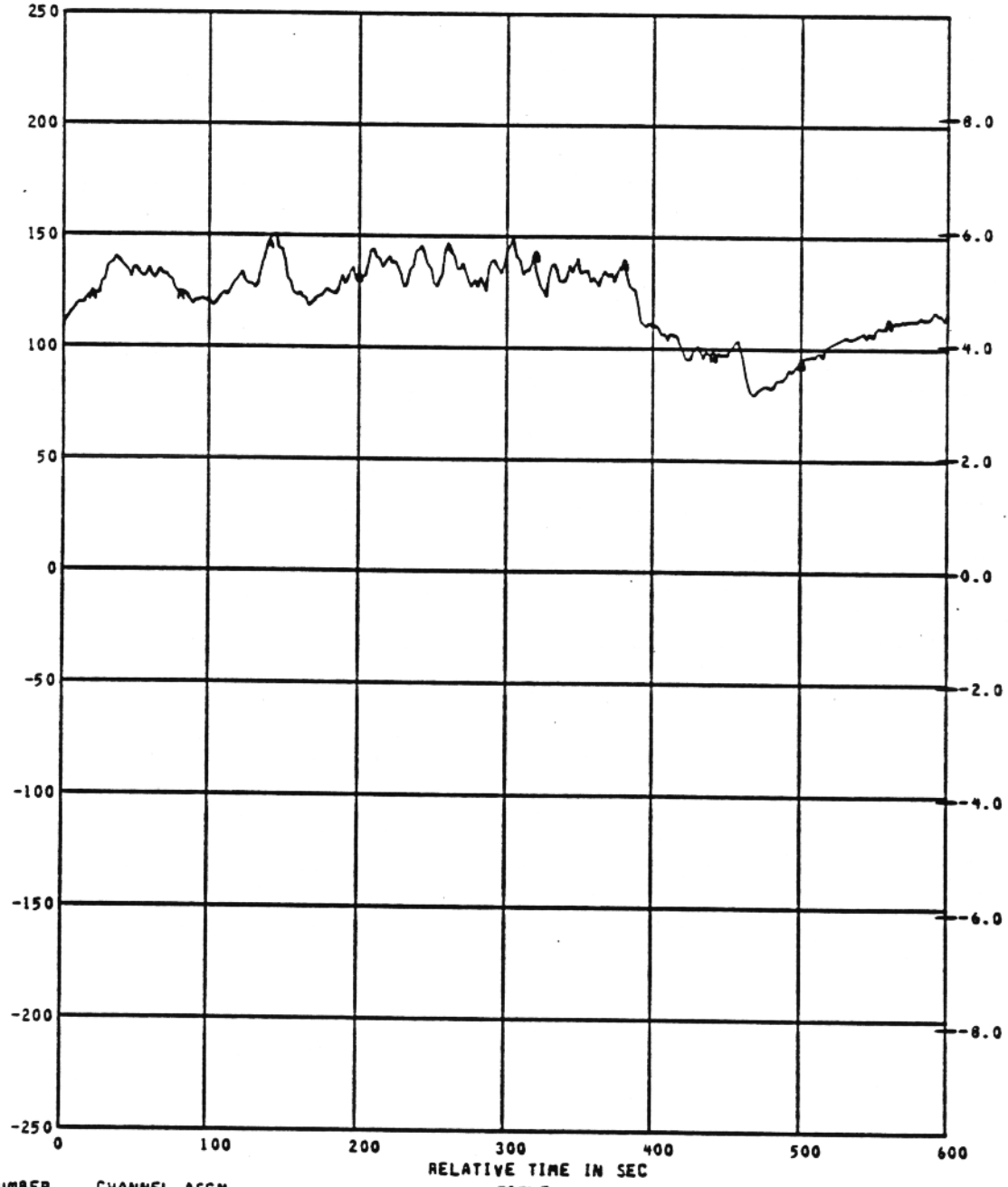
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS48 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 13 51 05.000



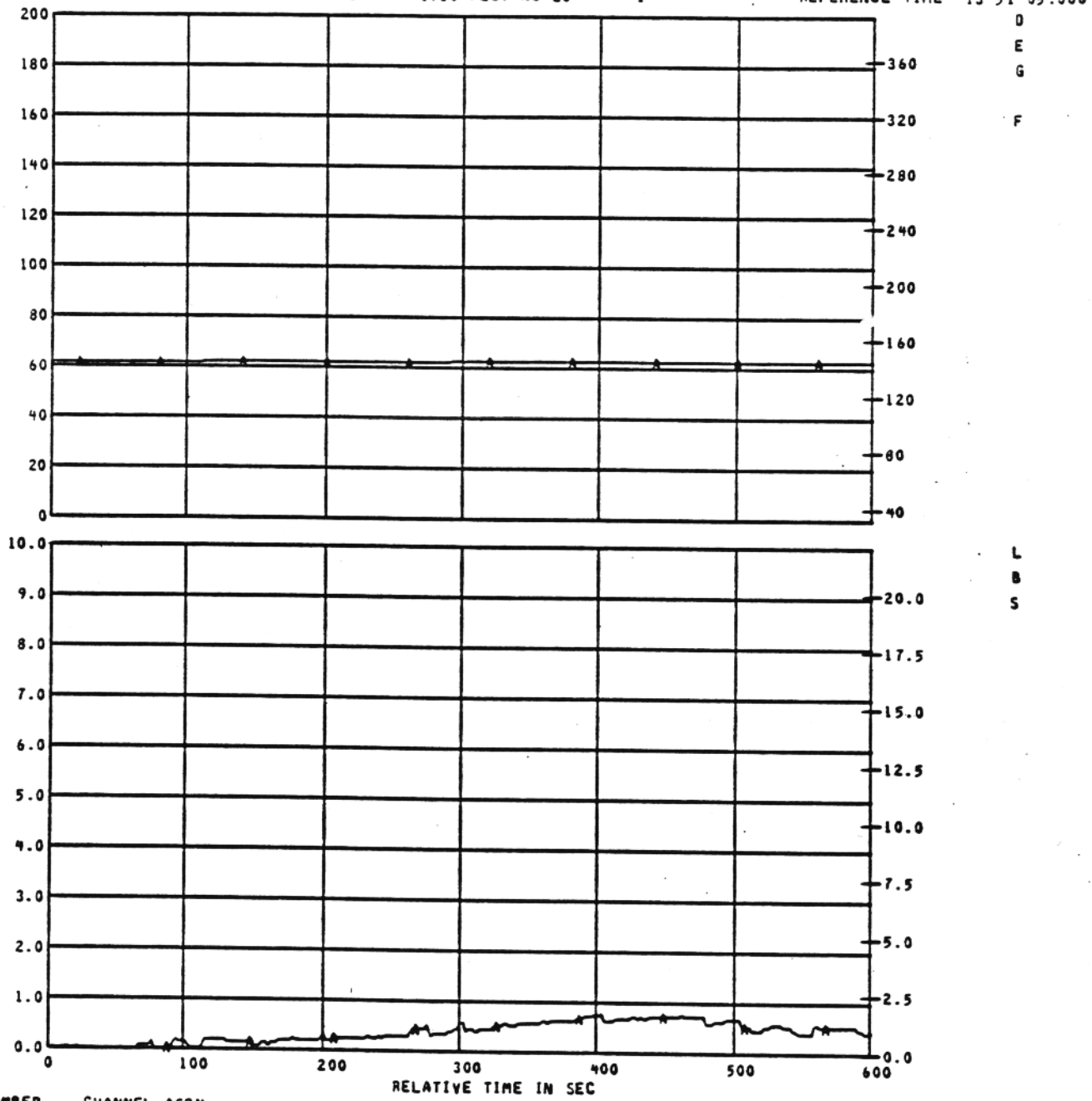
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS48 SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 13 51 05.000



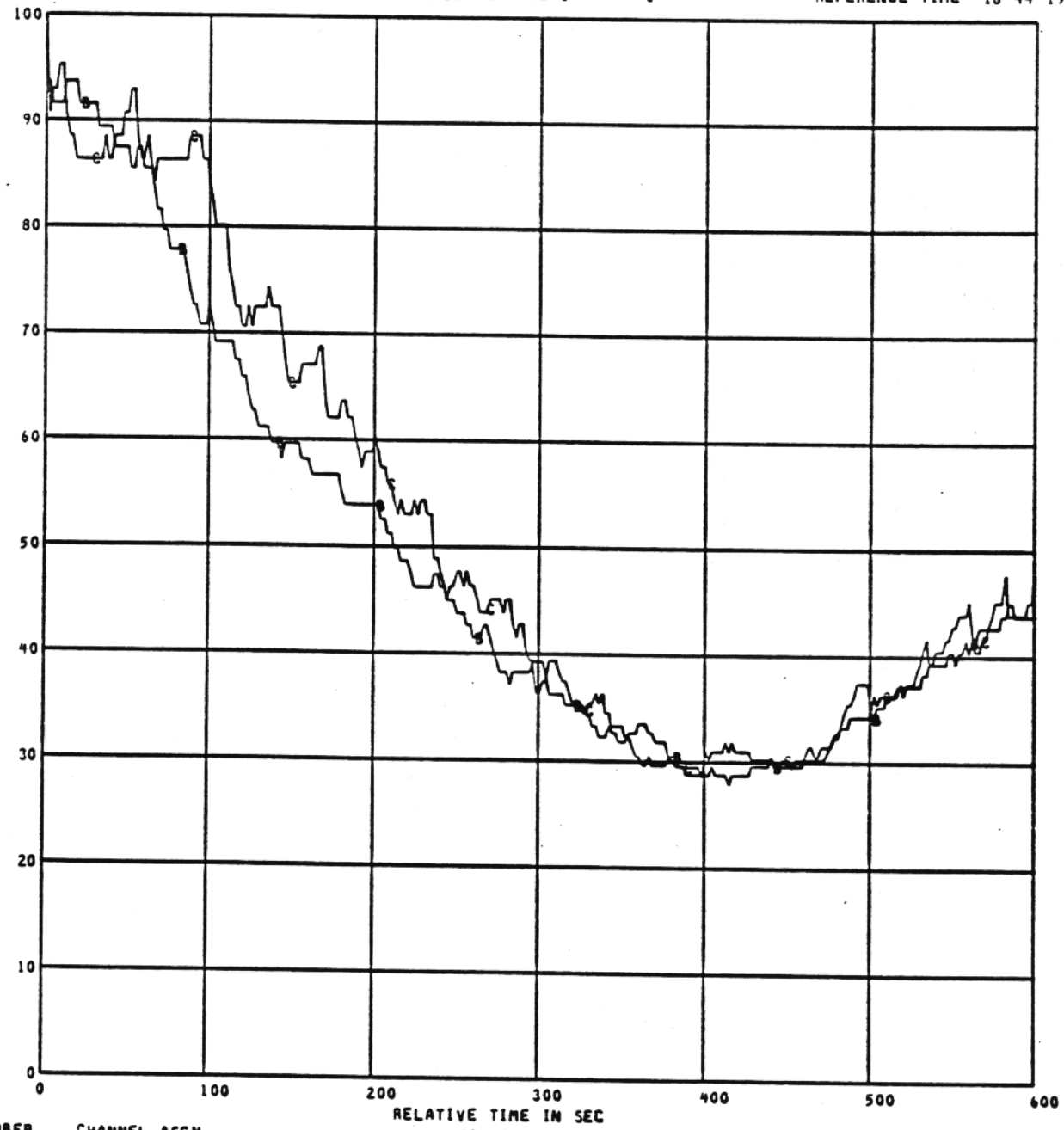
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H2O	AA

TEST ID NAS4B SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 13 51 05.000



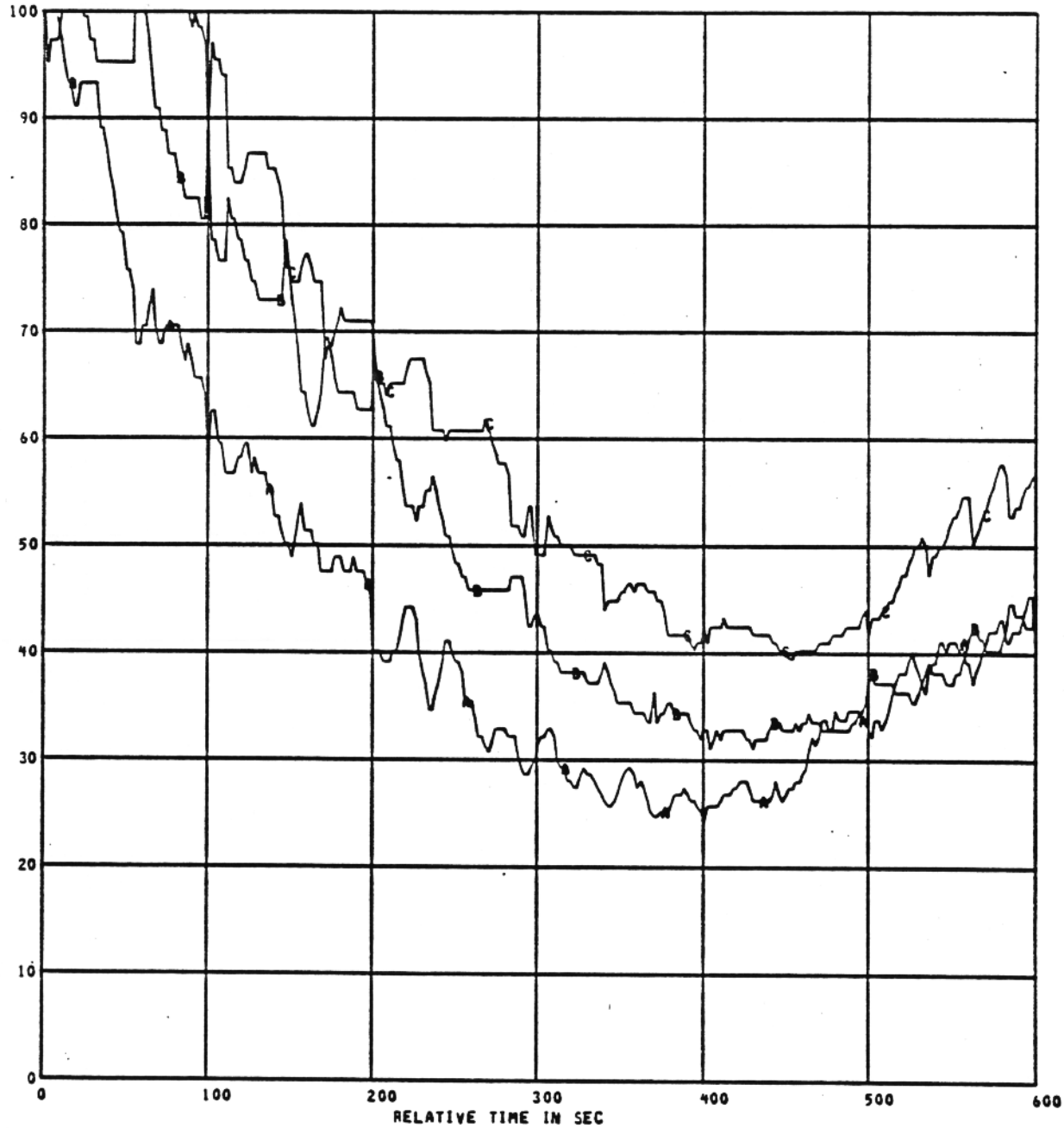
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
s WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS58 SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 16 44 19.000



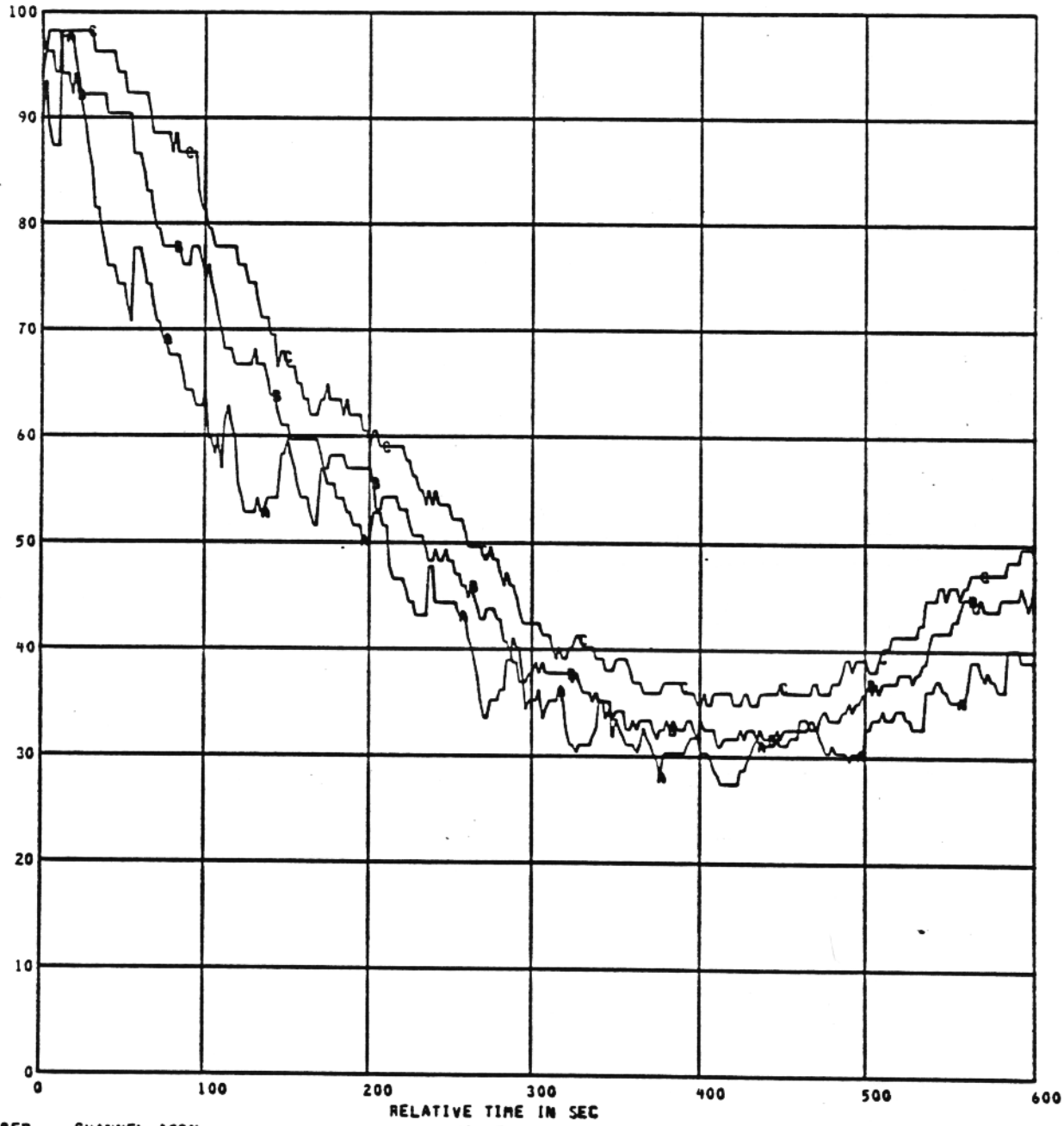
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 16 44 19.000



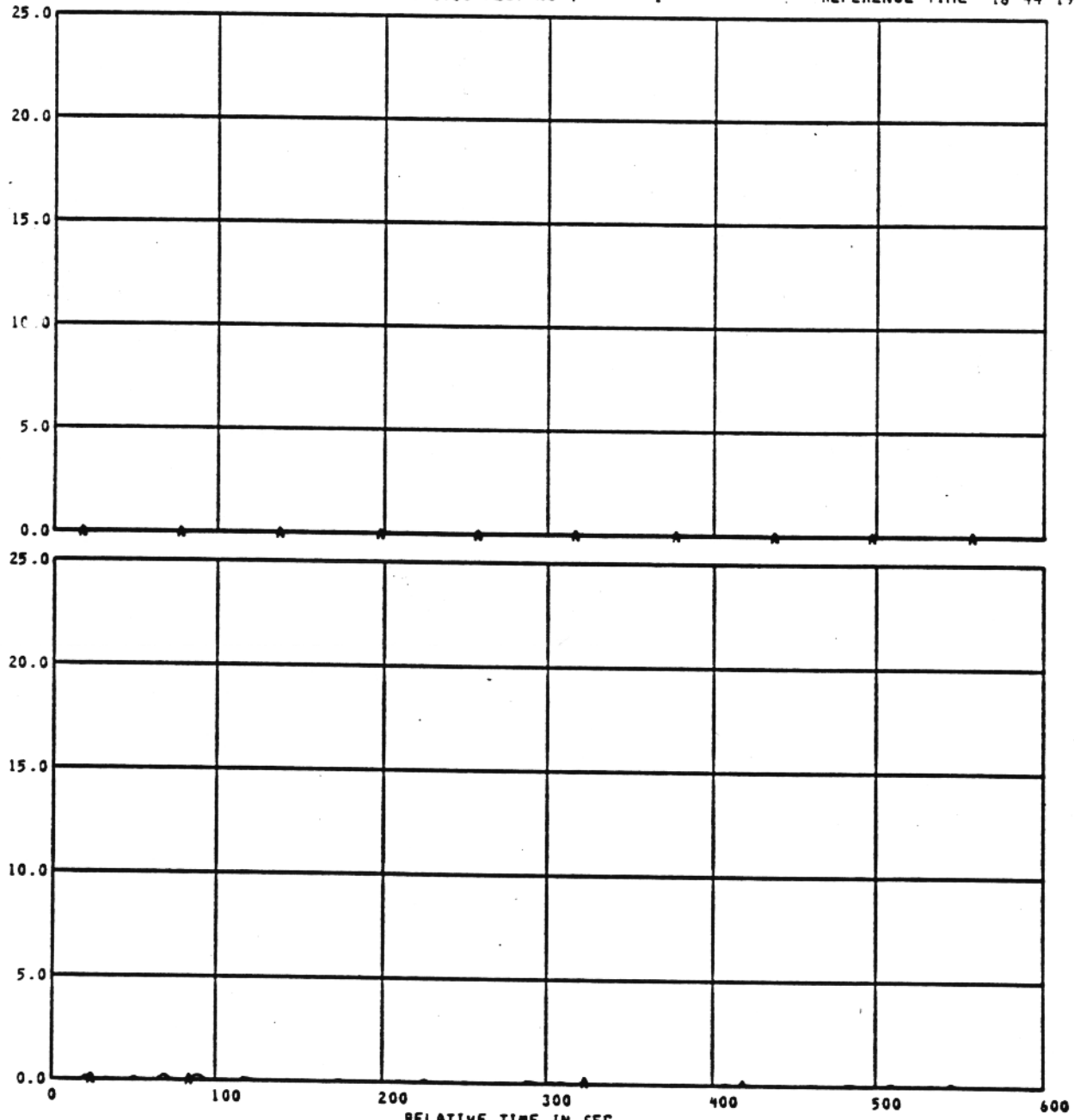
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 16 44 19.000



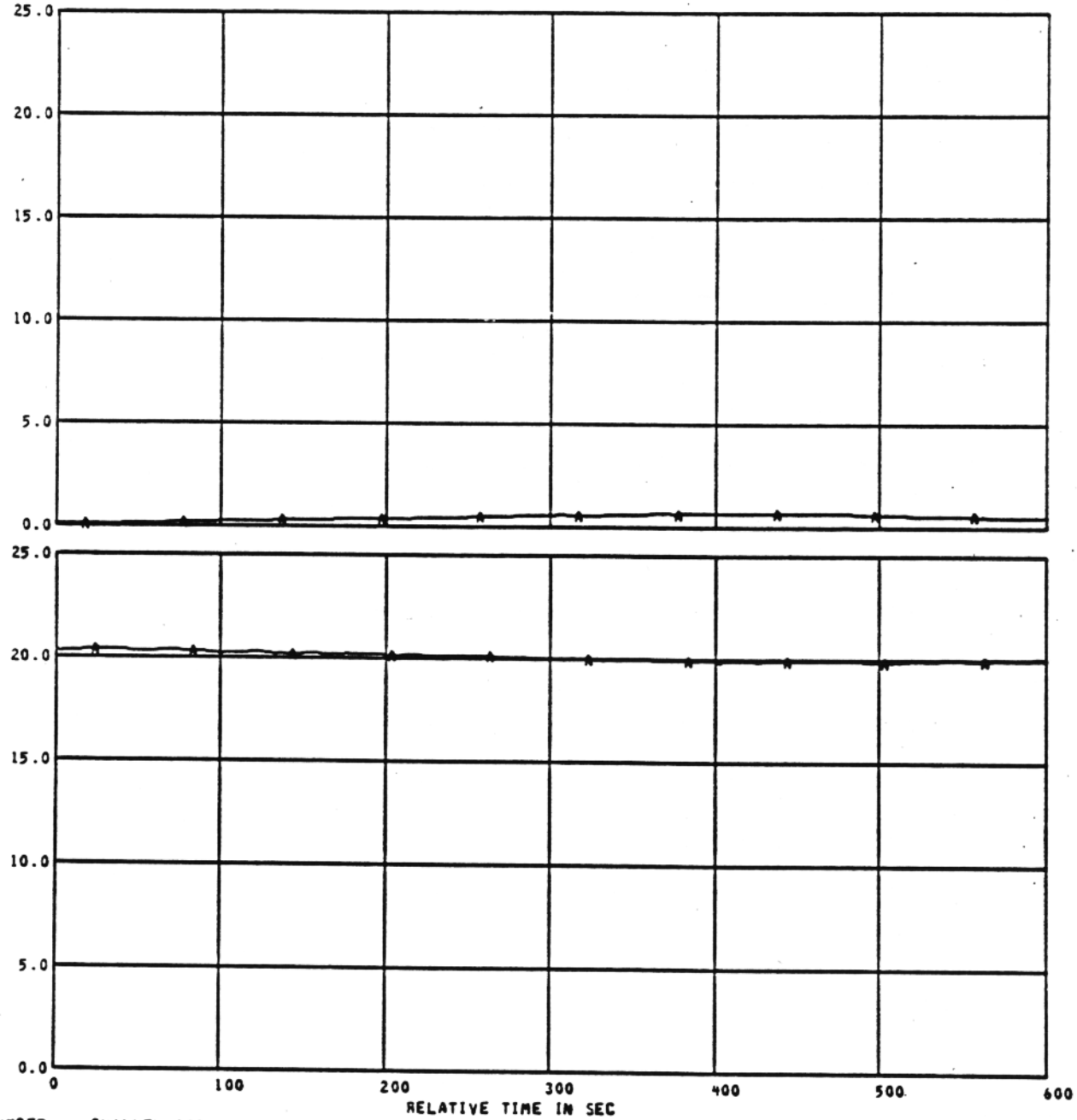
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 16 44 19.000



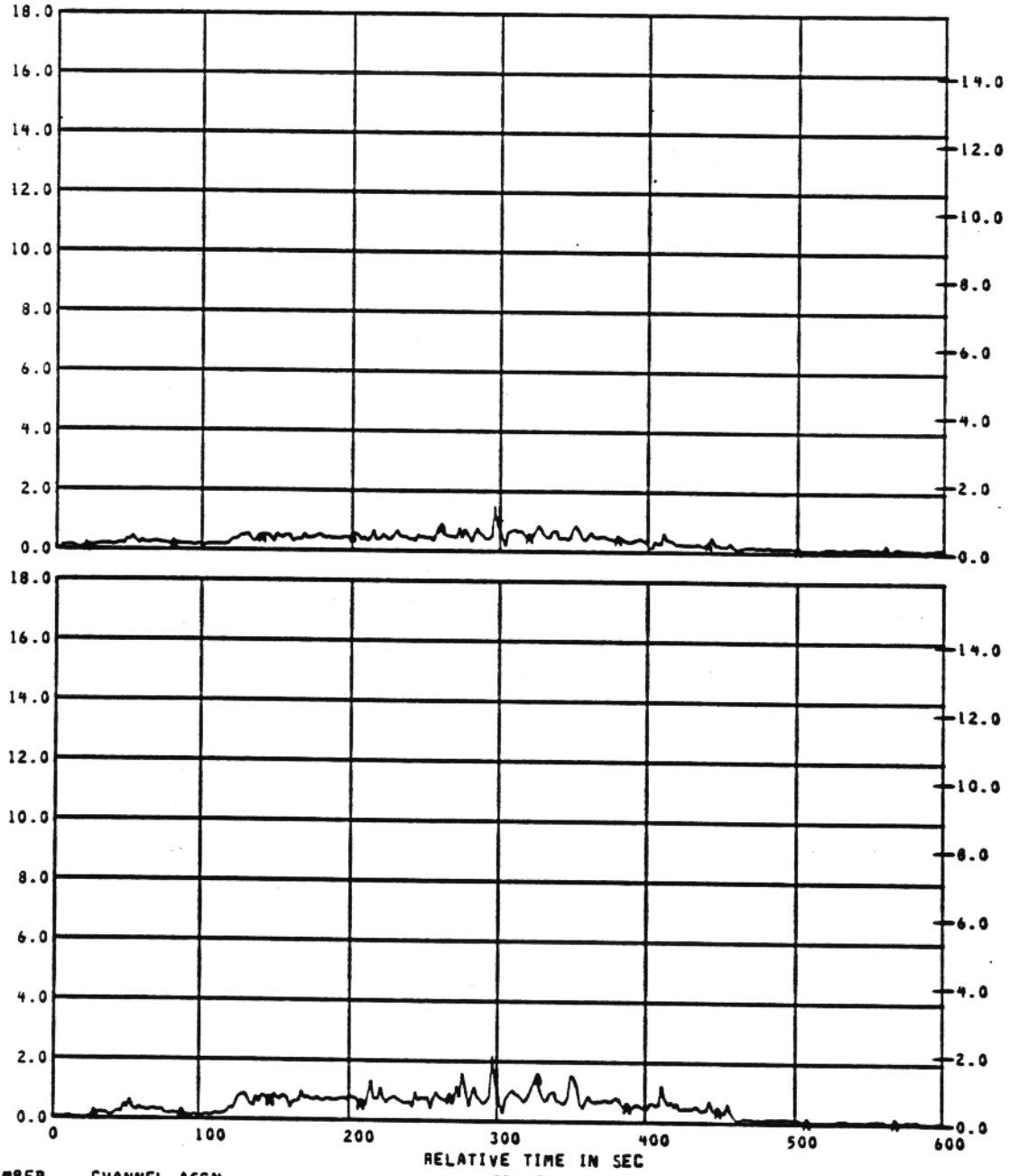
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 16 44 19.000



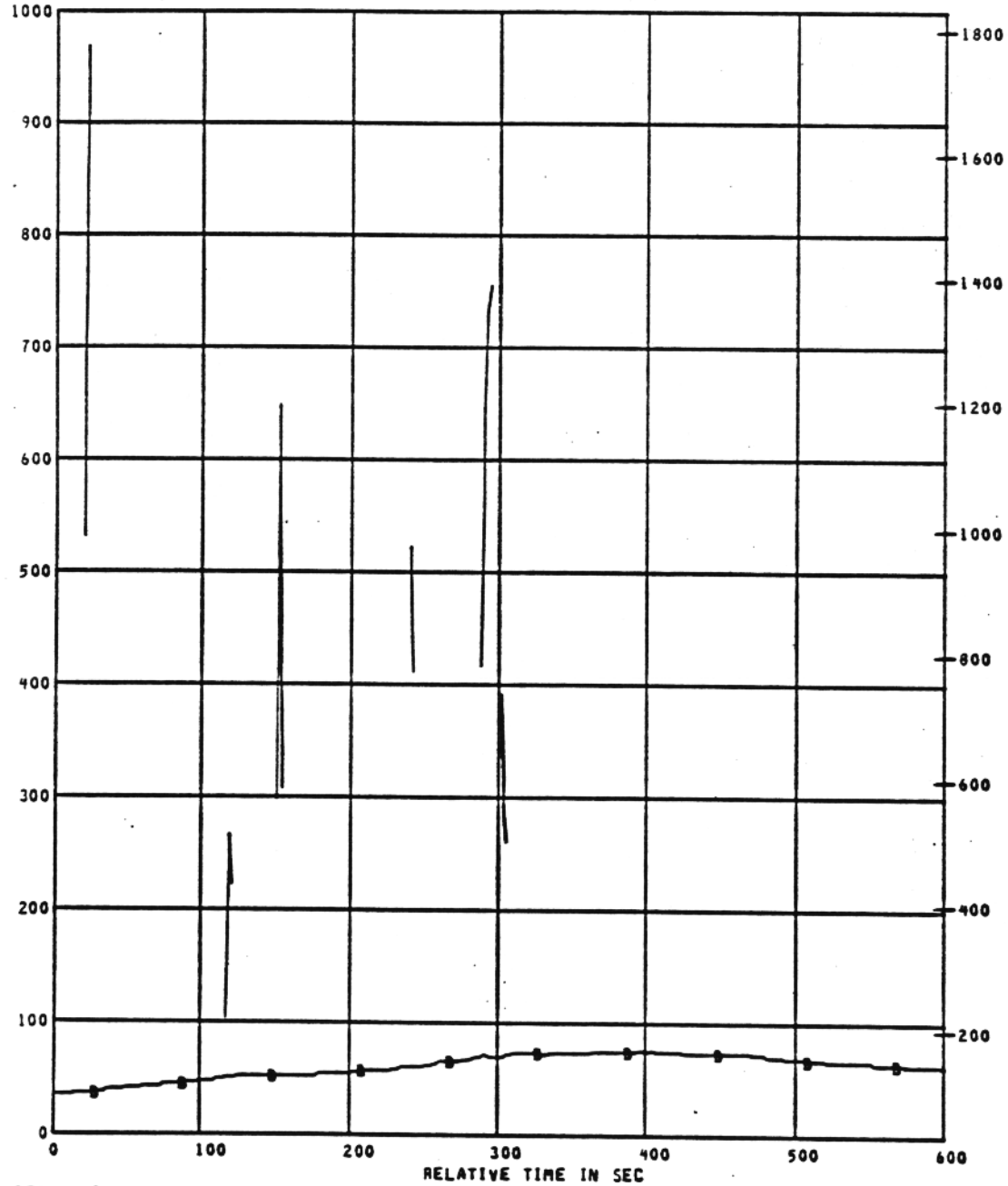
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 16 44 19.000



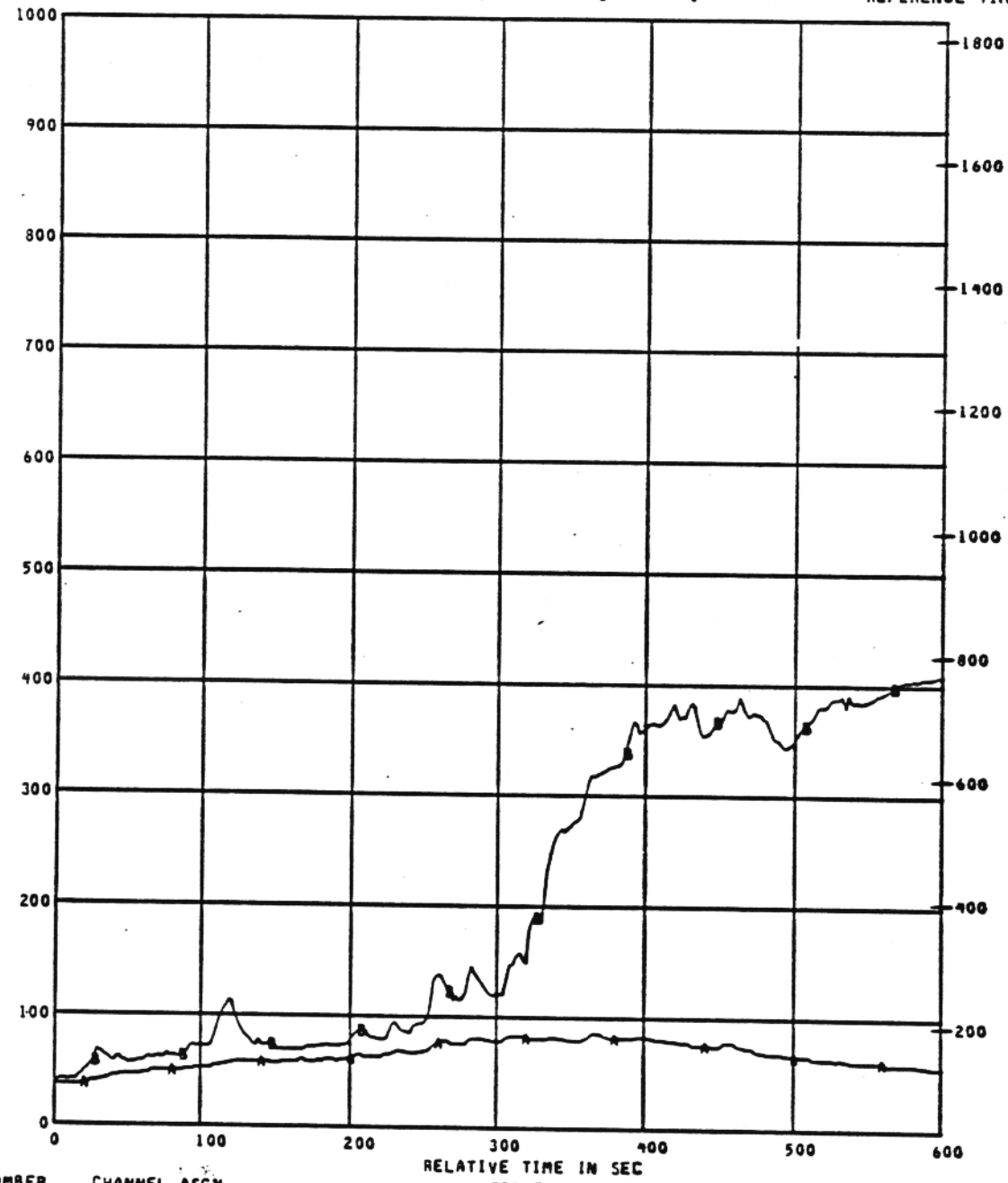
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
s CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 16 44 19.000



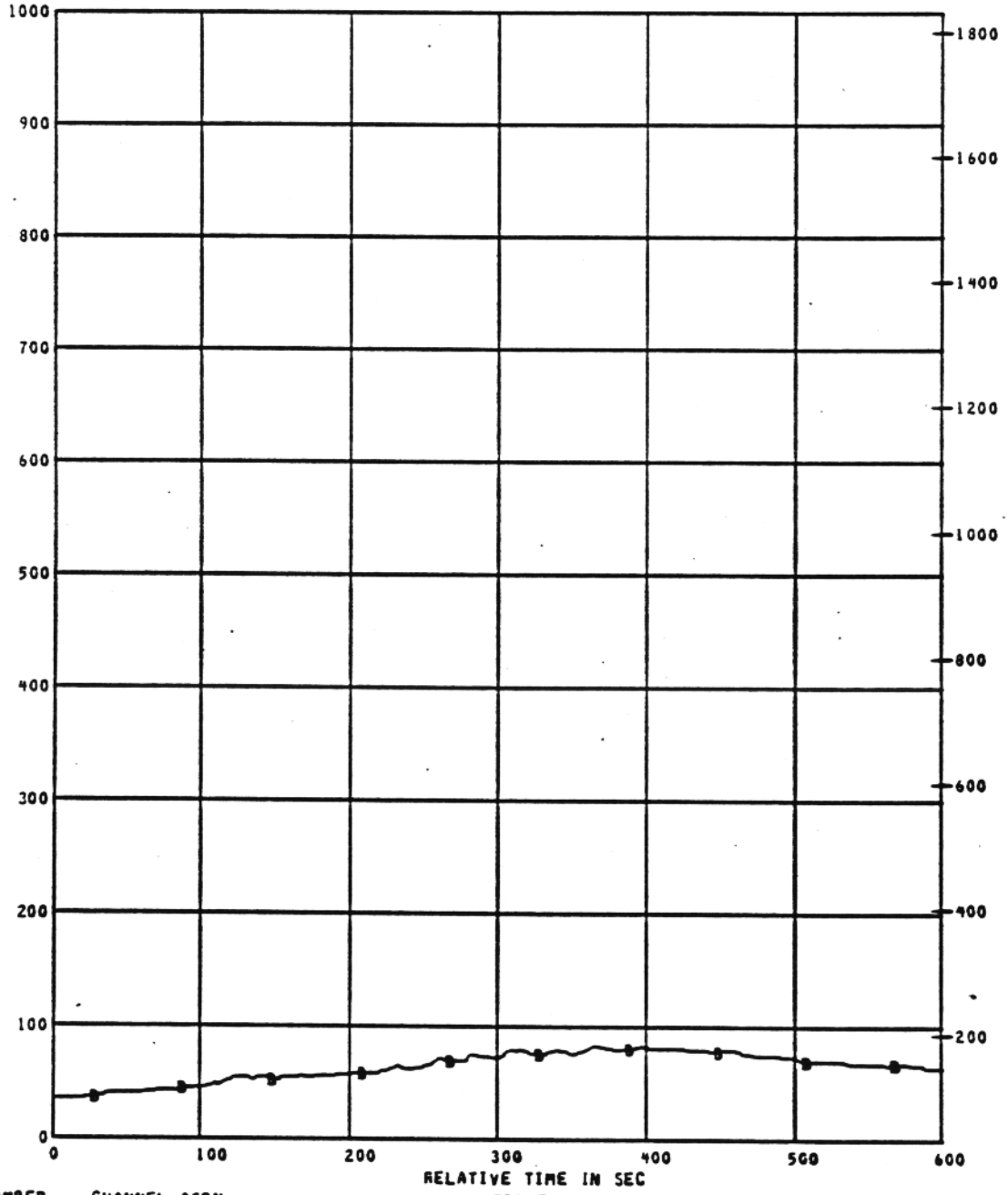
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 16 44 19.000



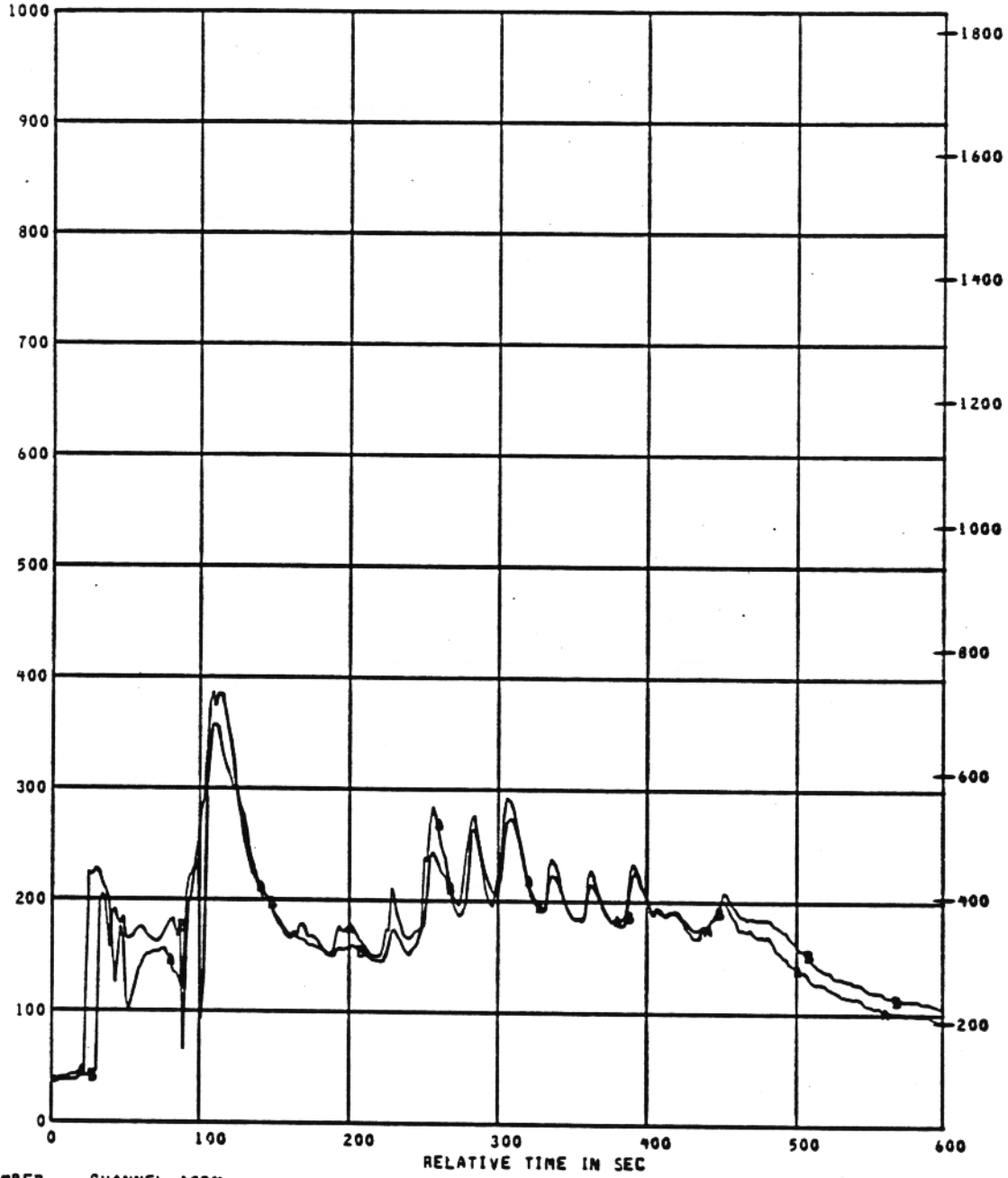
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 16 44 19.000



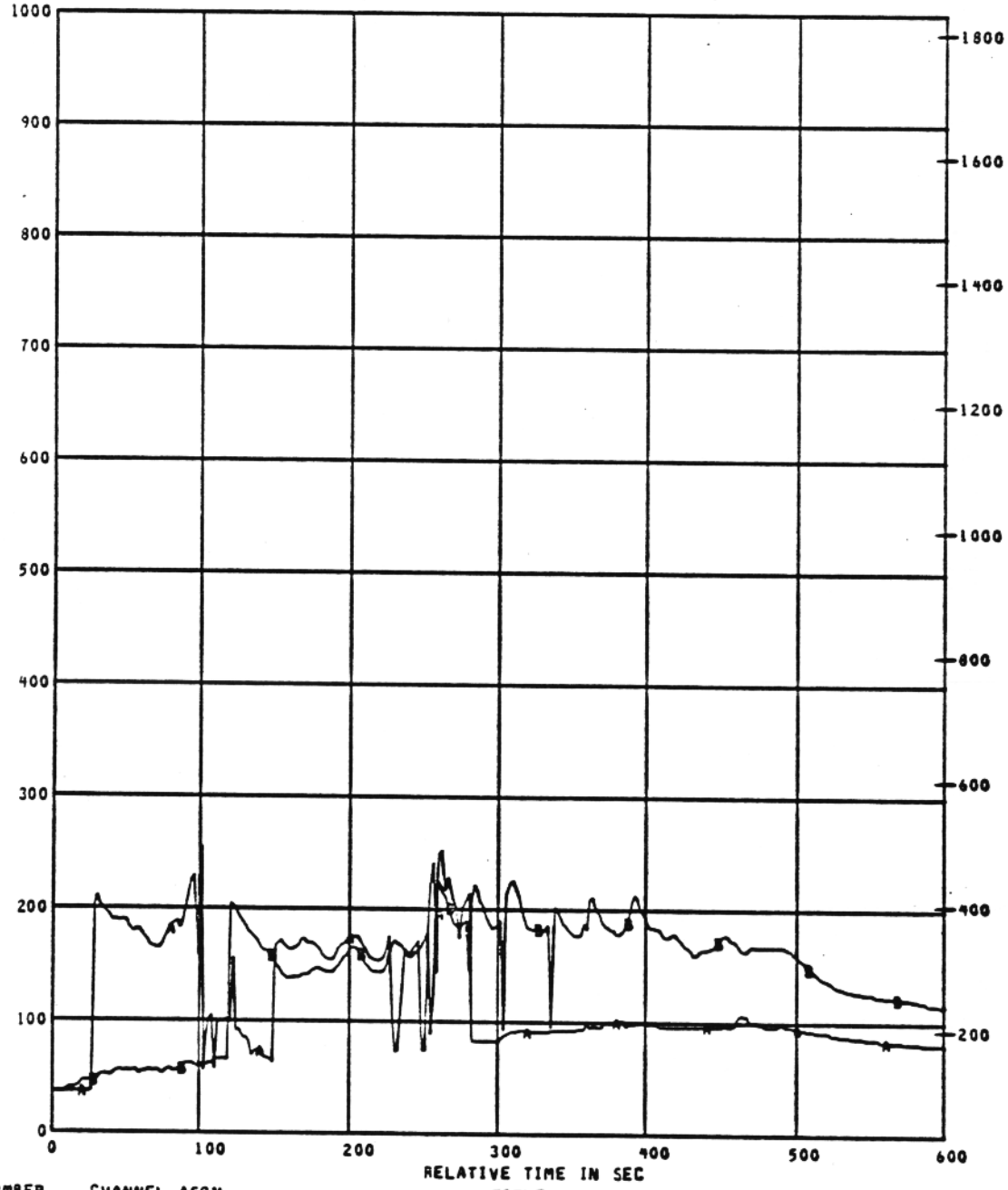
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 16 44 19.000



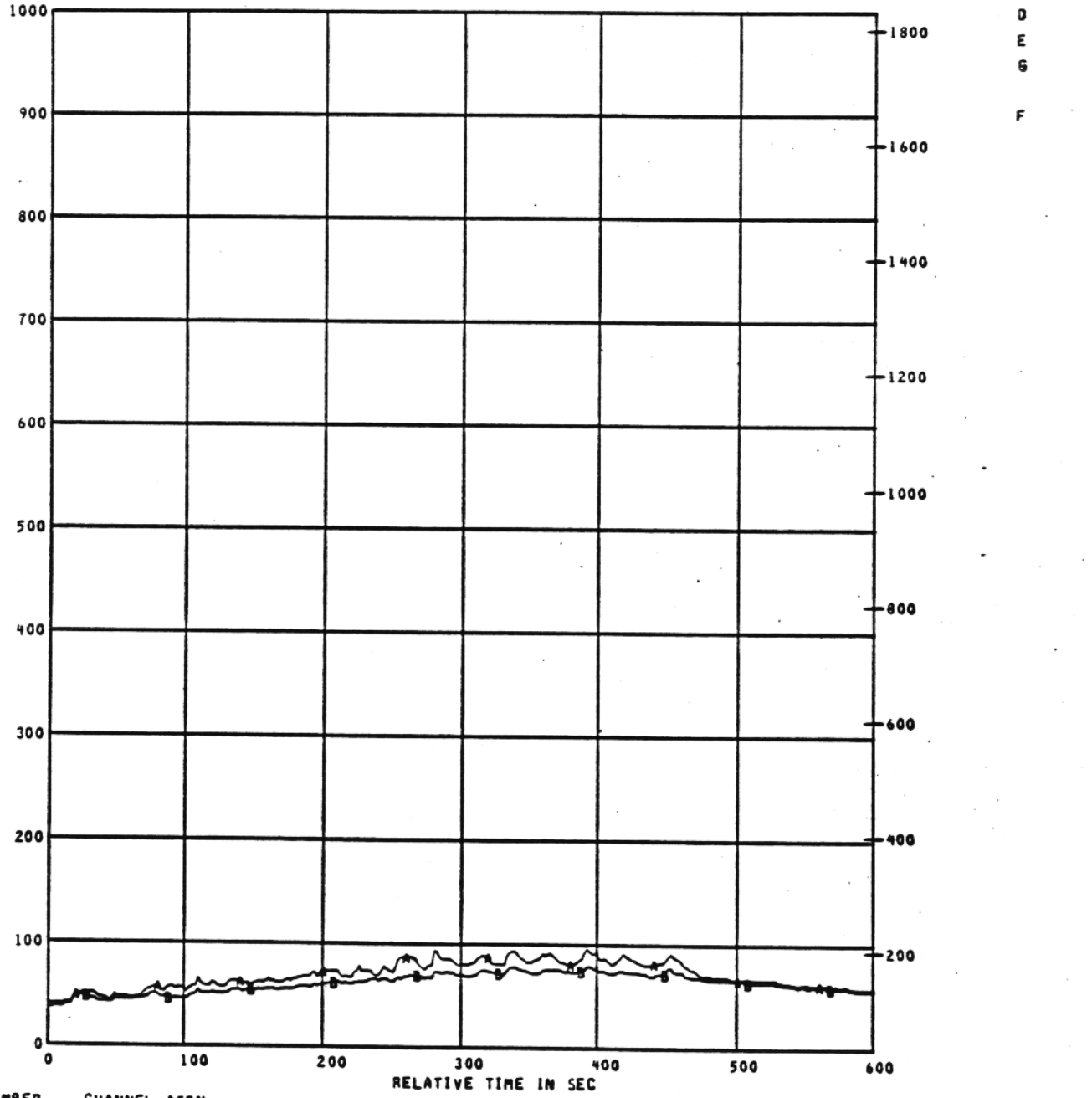
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 16 44 19.000



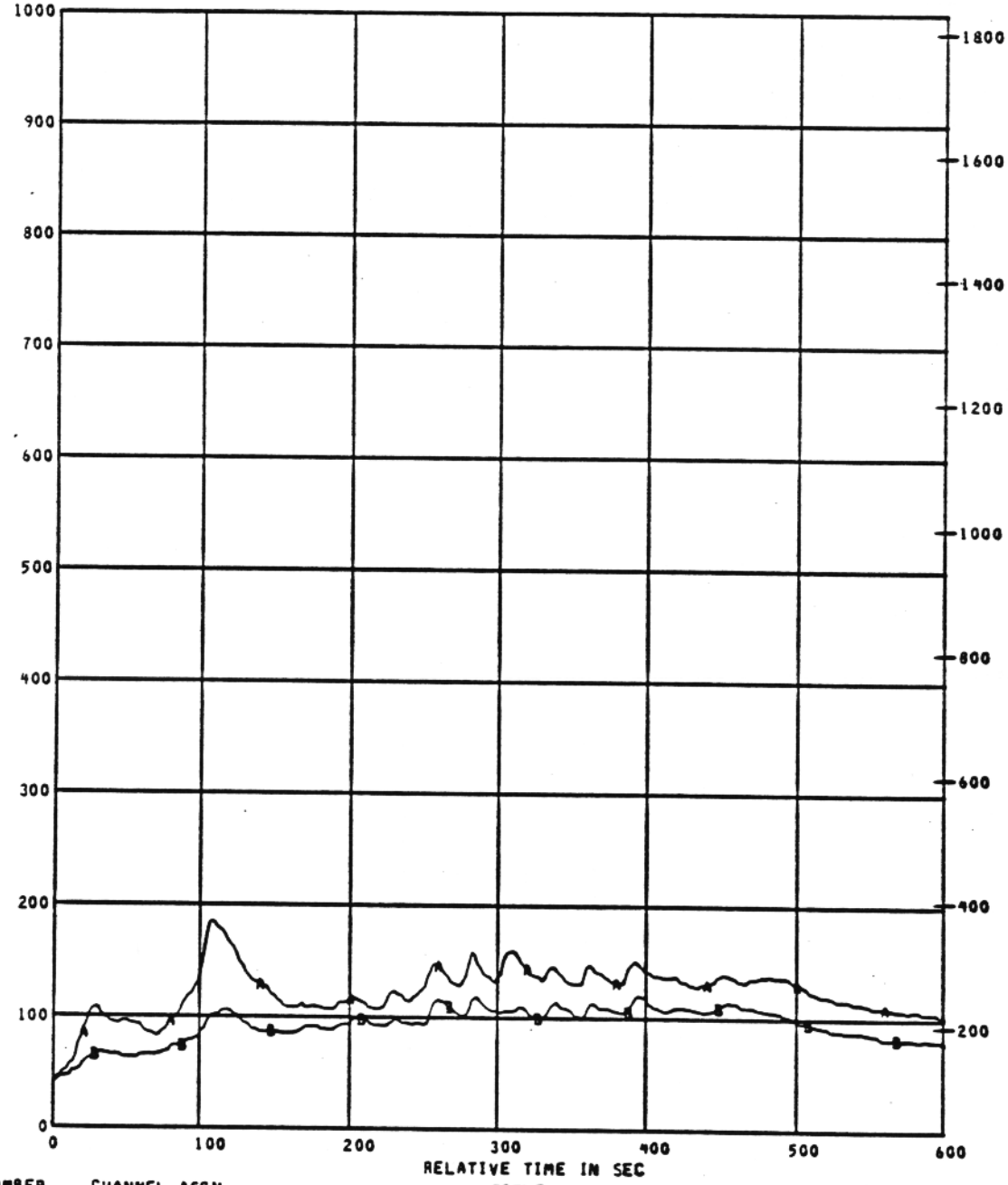
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 16 44 19.000



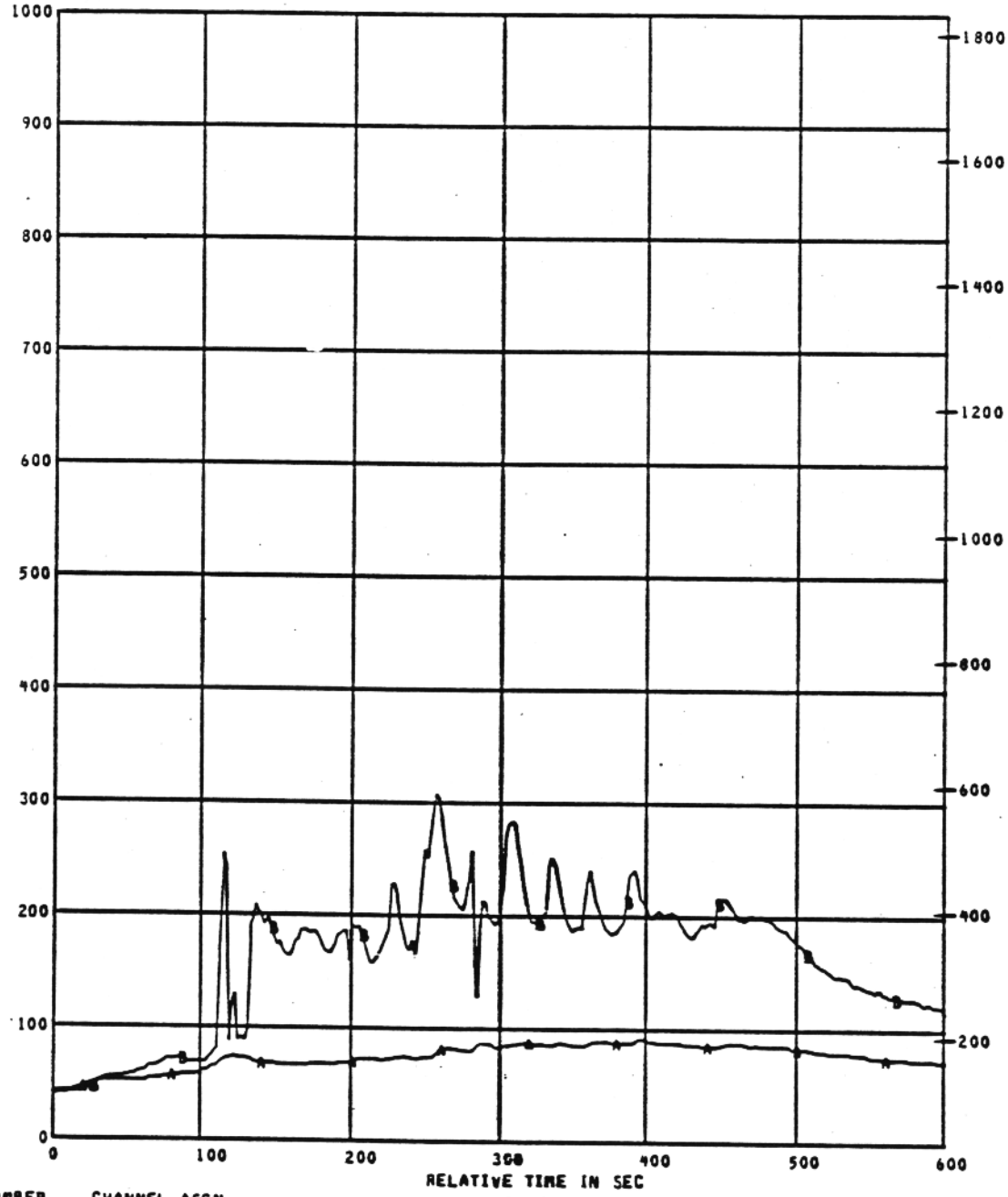
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS58 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 16 44 19.000



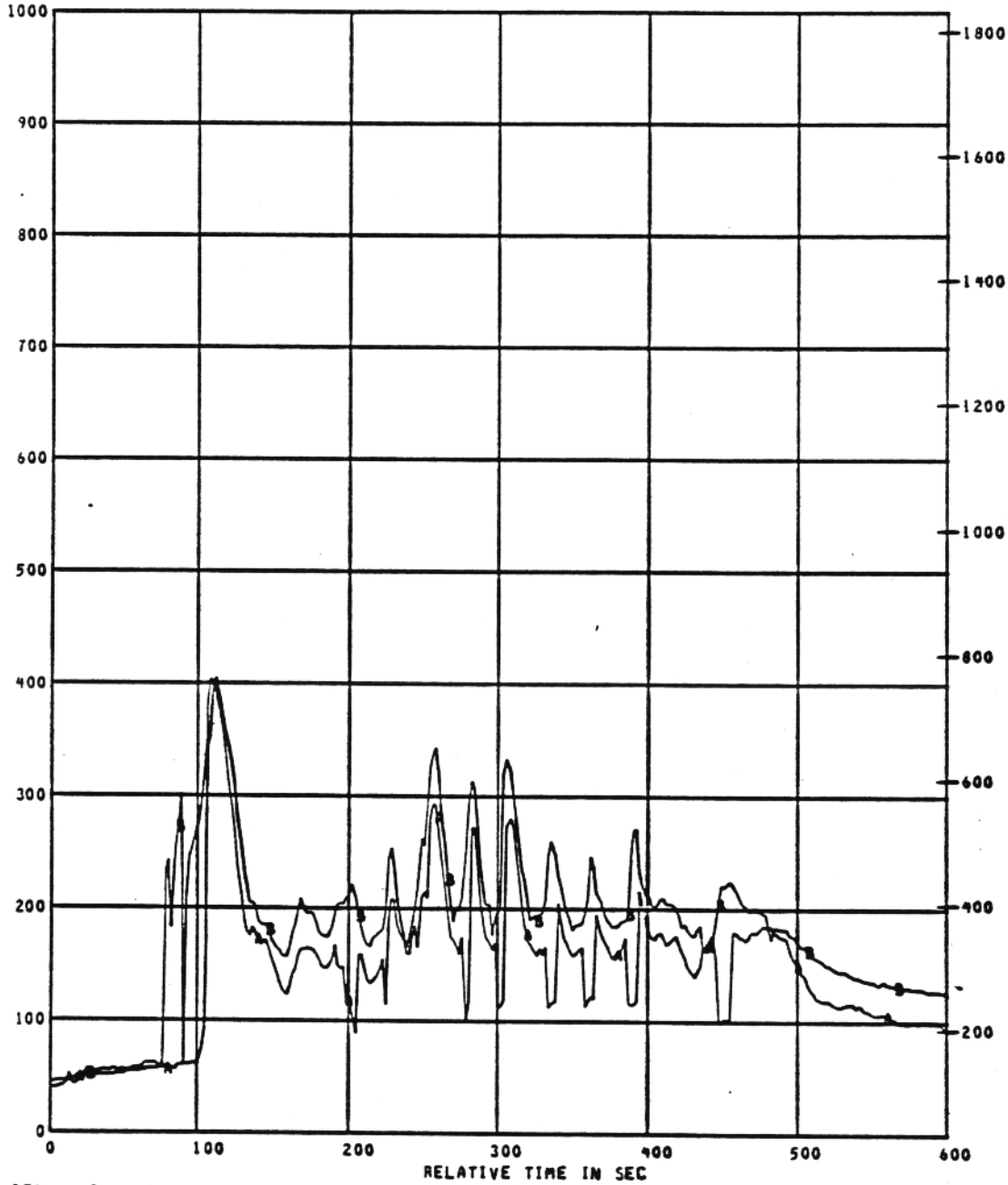
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS58 SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 16 44 19.000



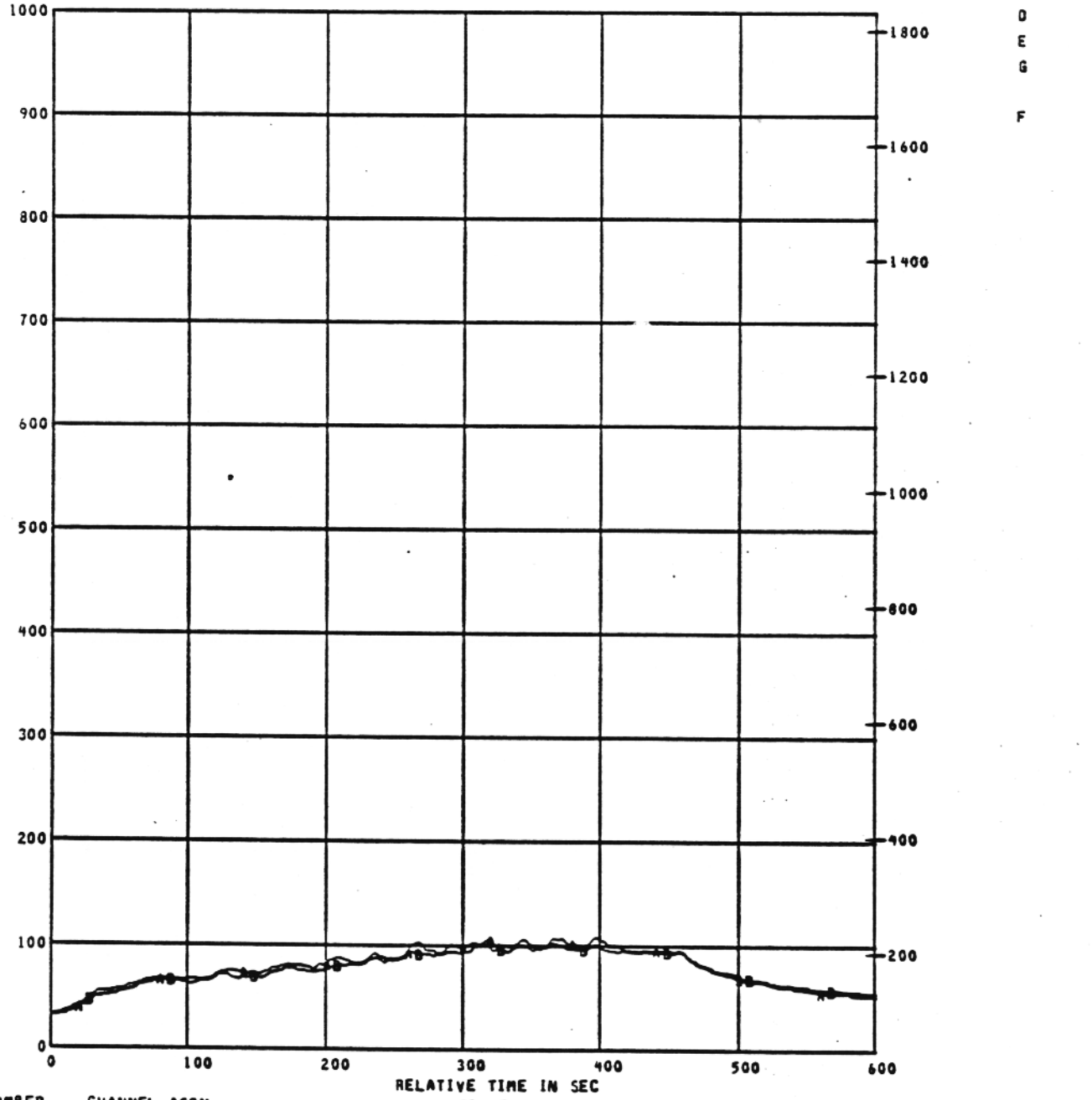
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS58 SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 16 44 19.000



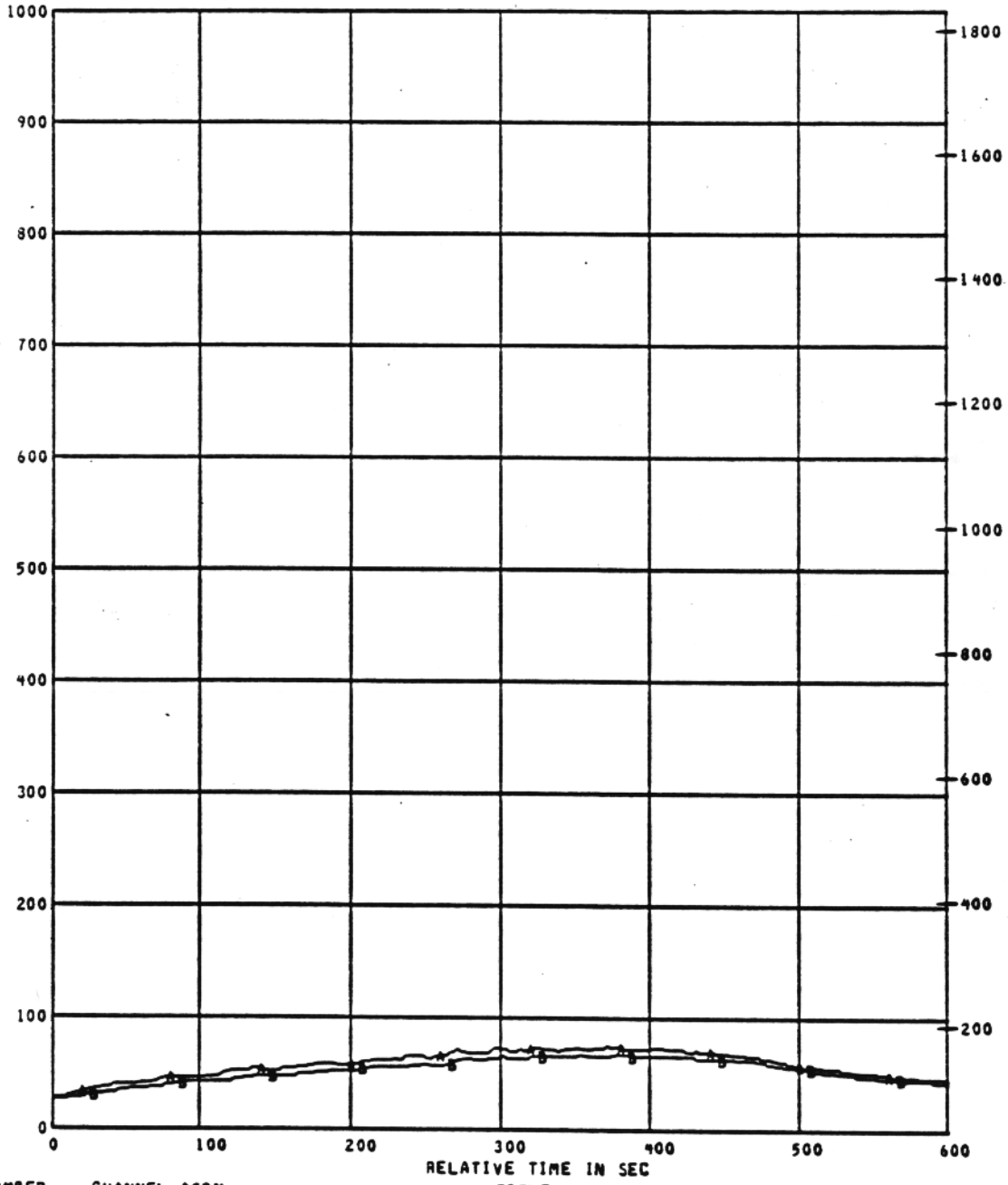
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 16 44 19.000



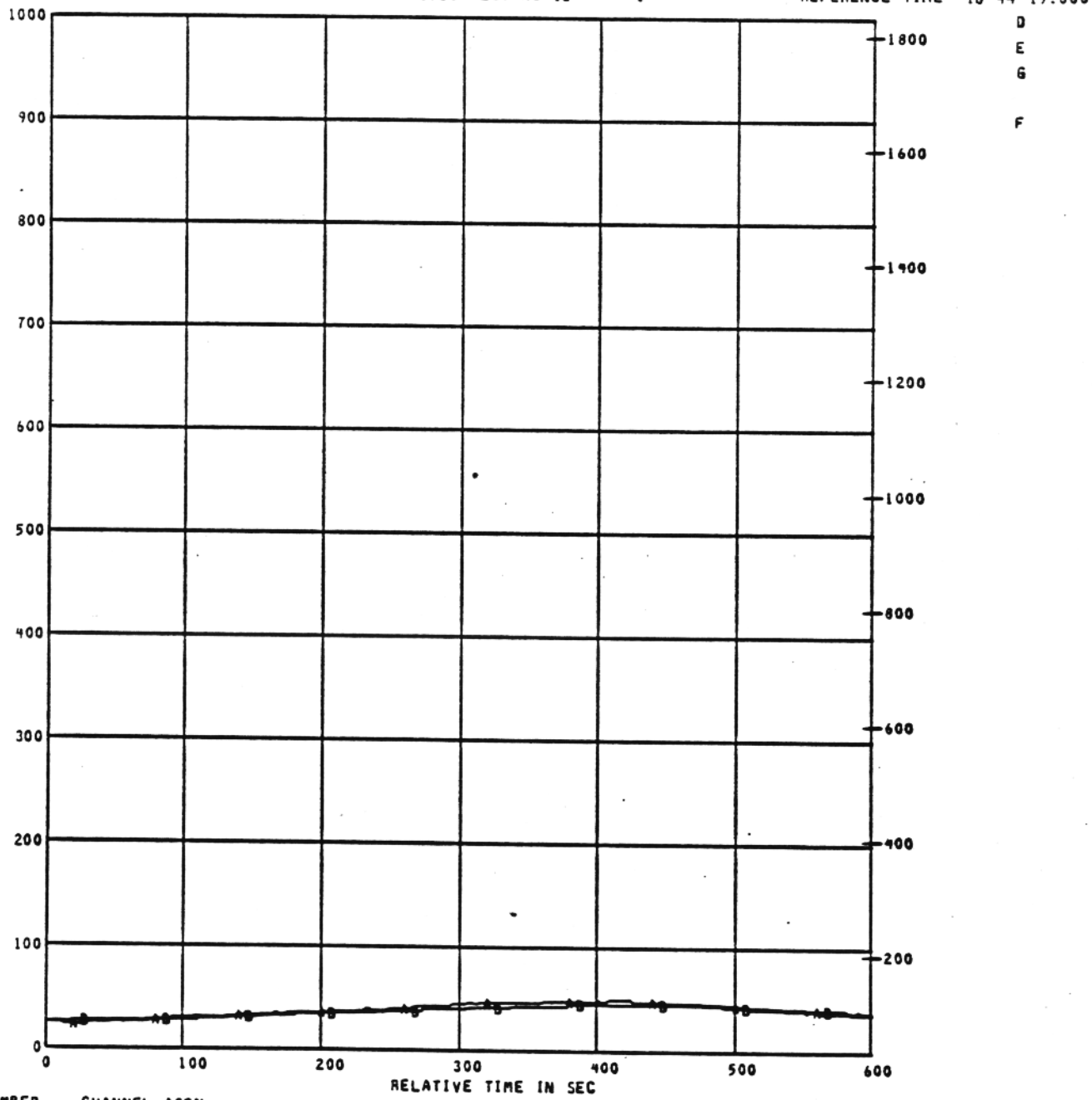
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NA55B SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 16 44 19.000



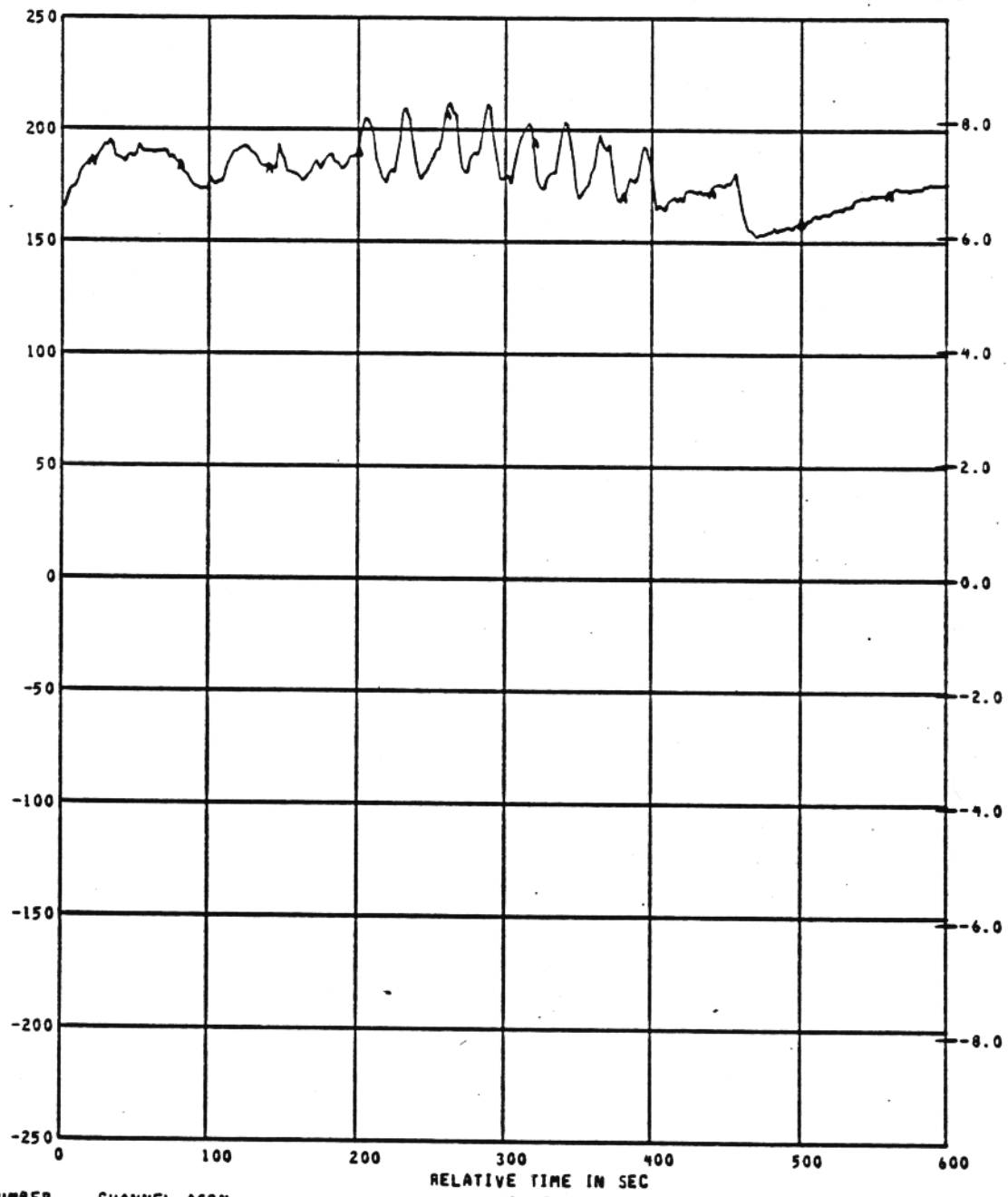
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 16 44 19.000



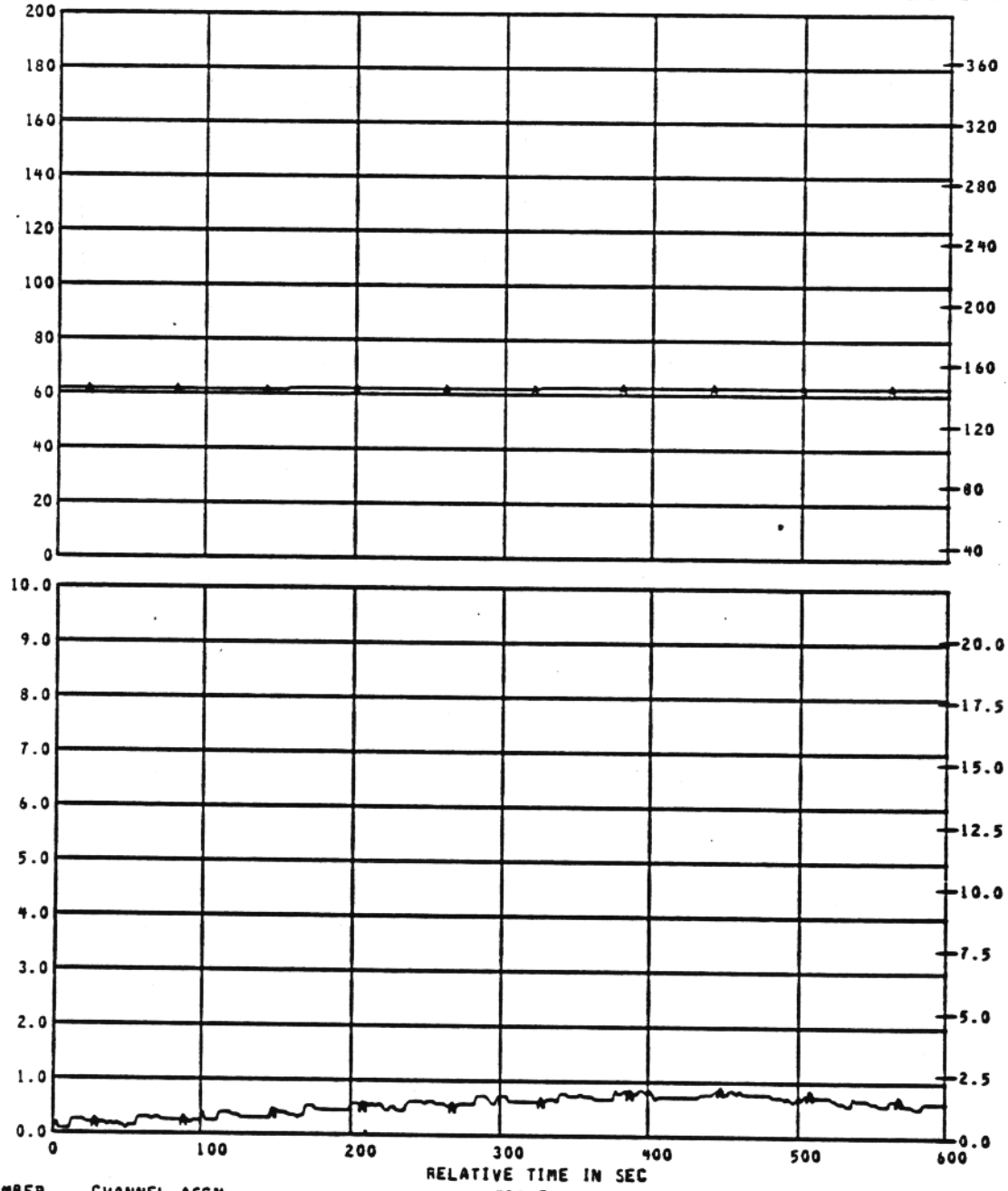
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 16 44 19.000



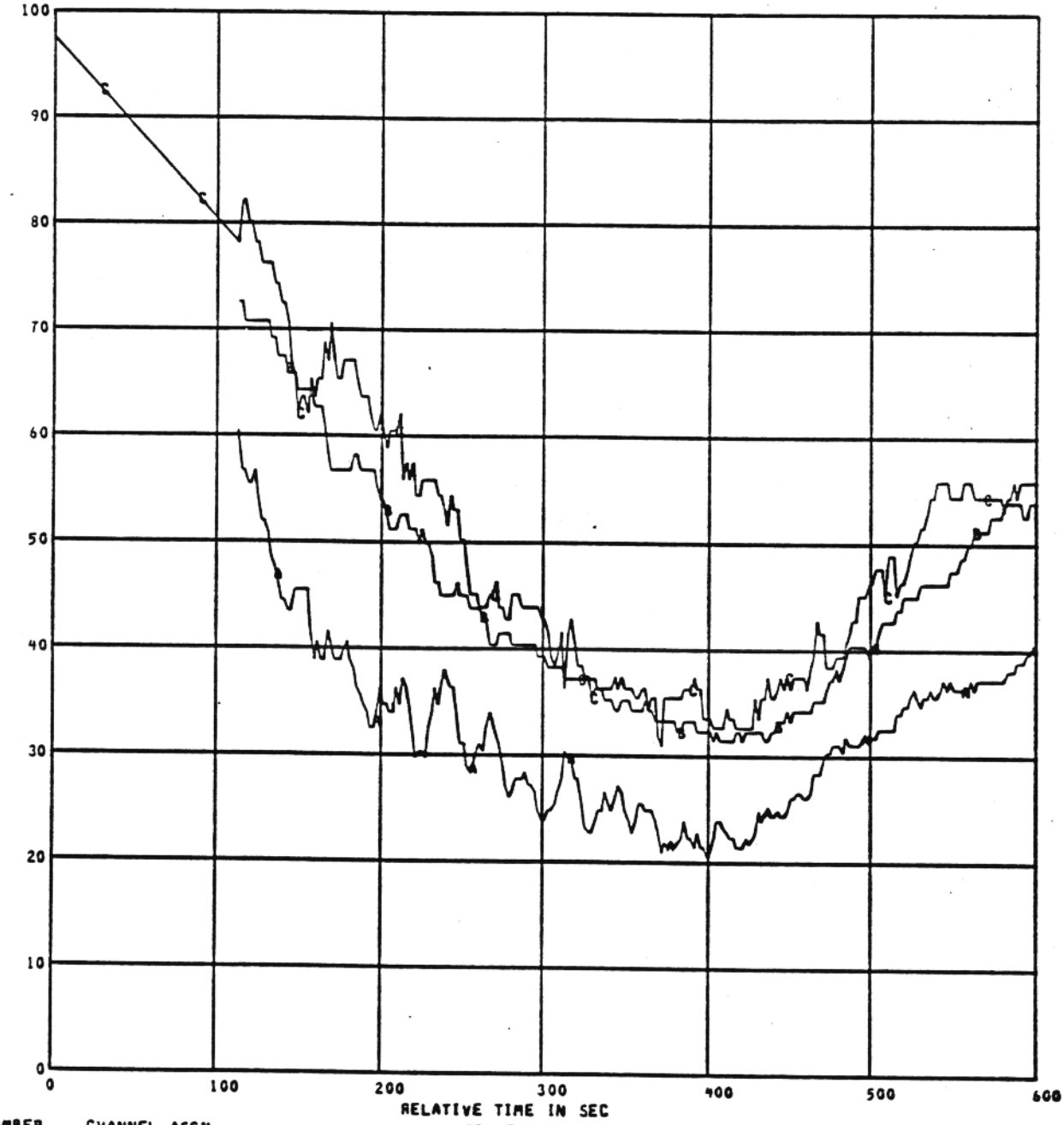
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H20	AA

TEST ID NAS5B SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 16 44 19.000



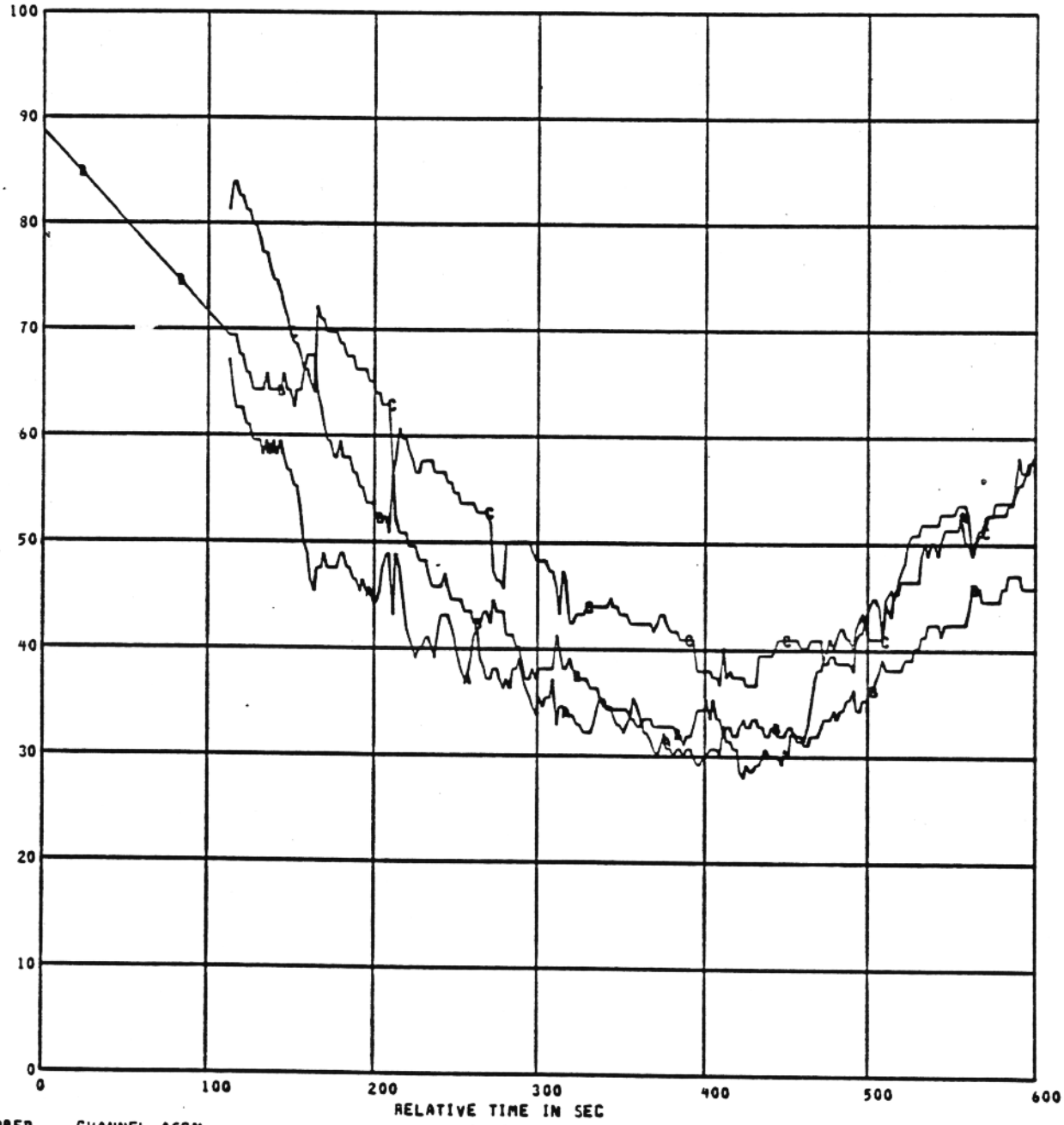
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS68 SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 10 22 04.000



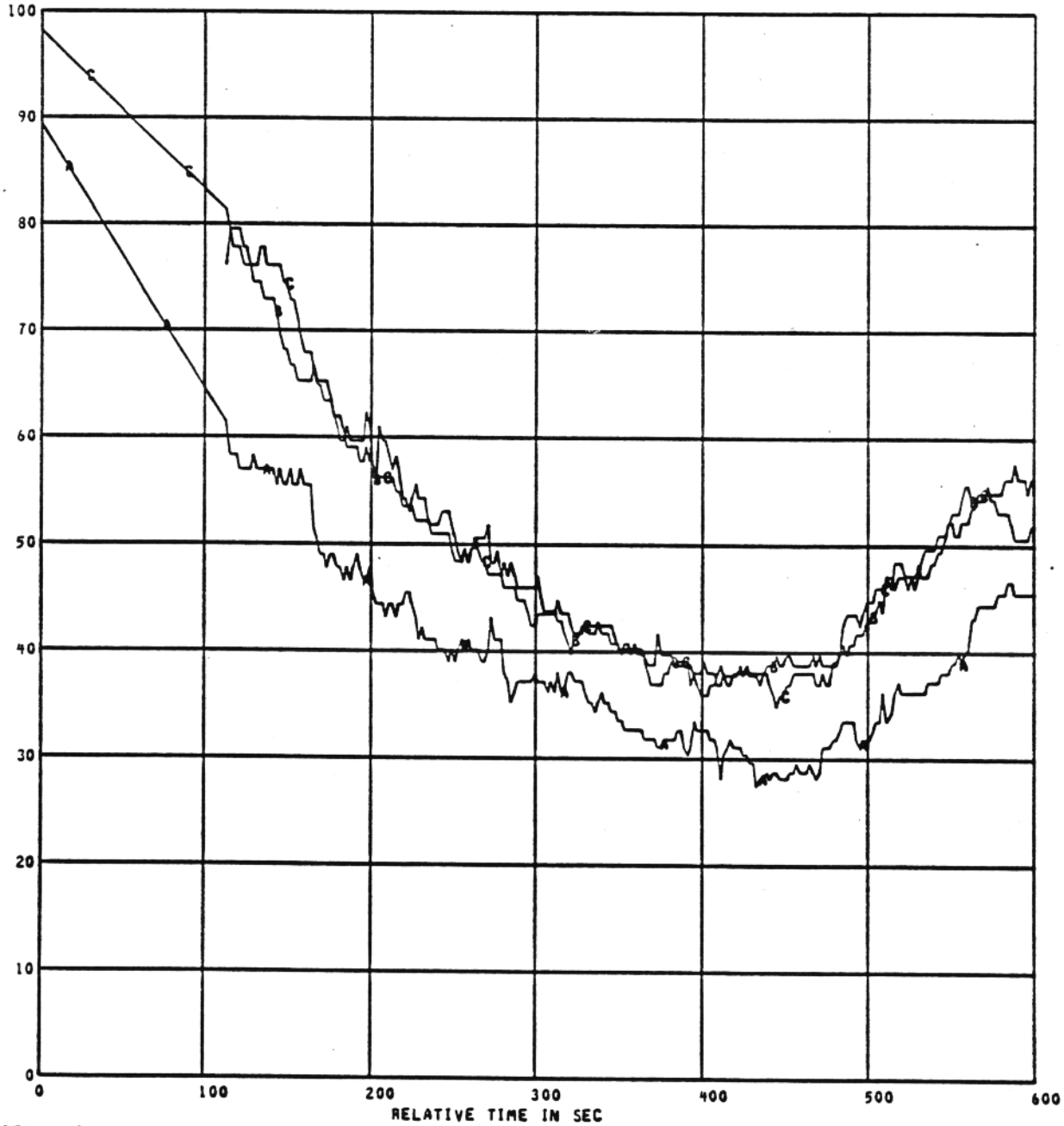
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS68 SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 10 22 04.000



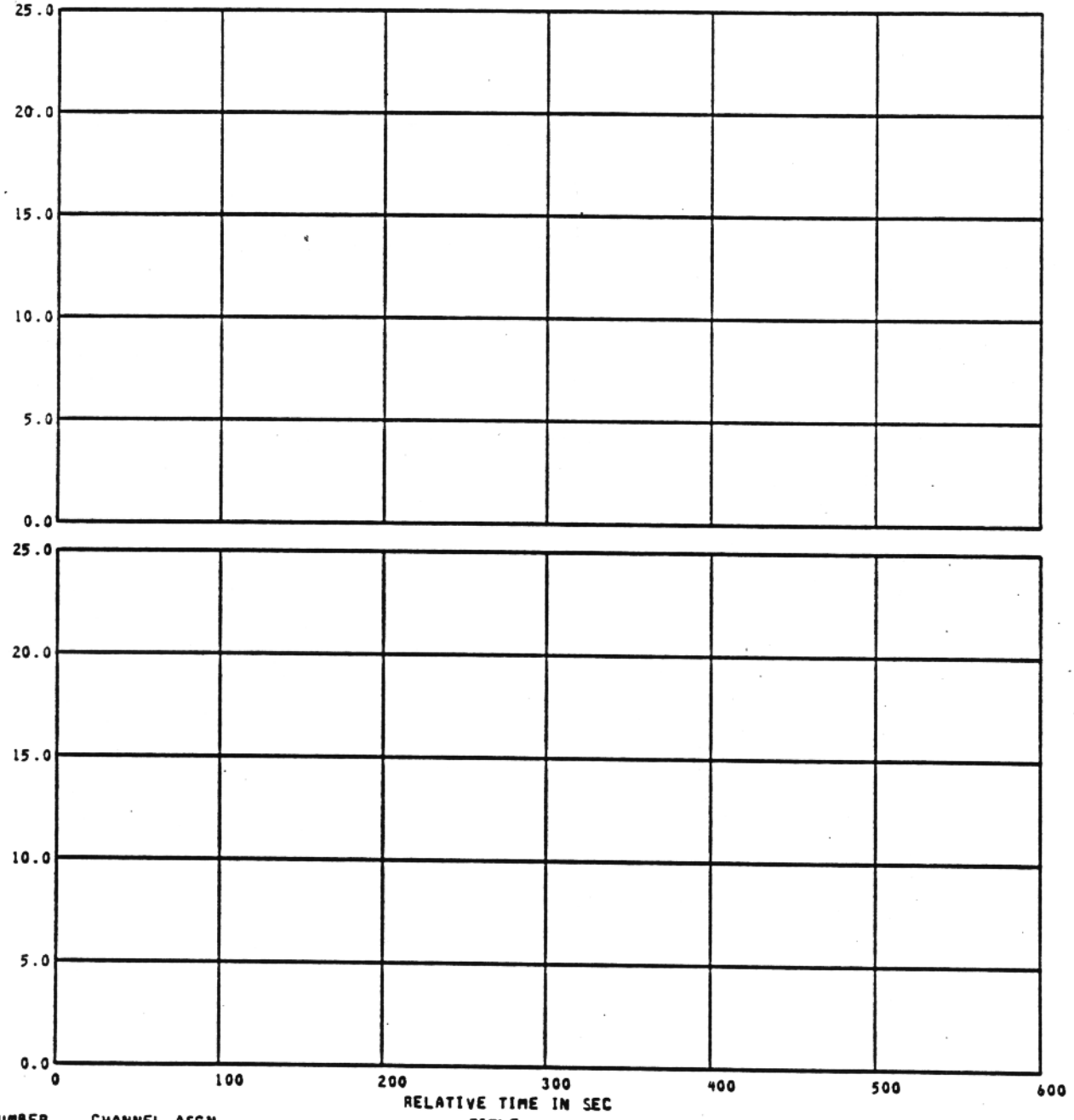
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS68 SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 10 22 04.000



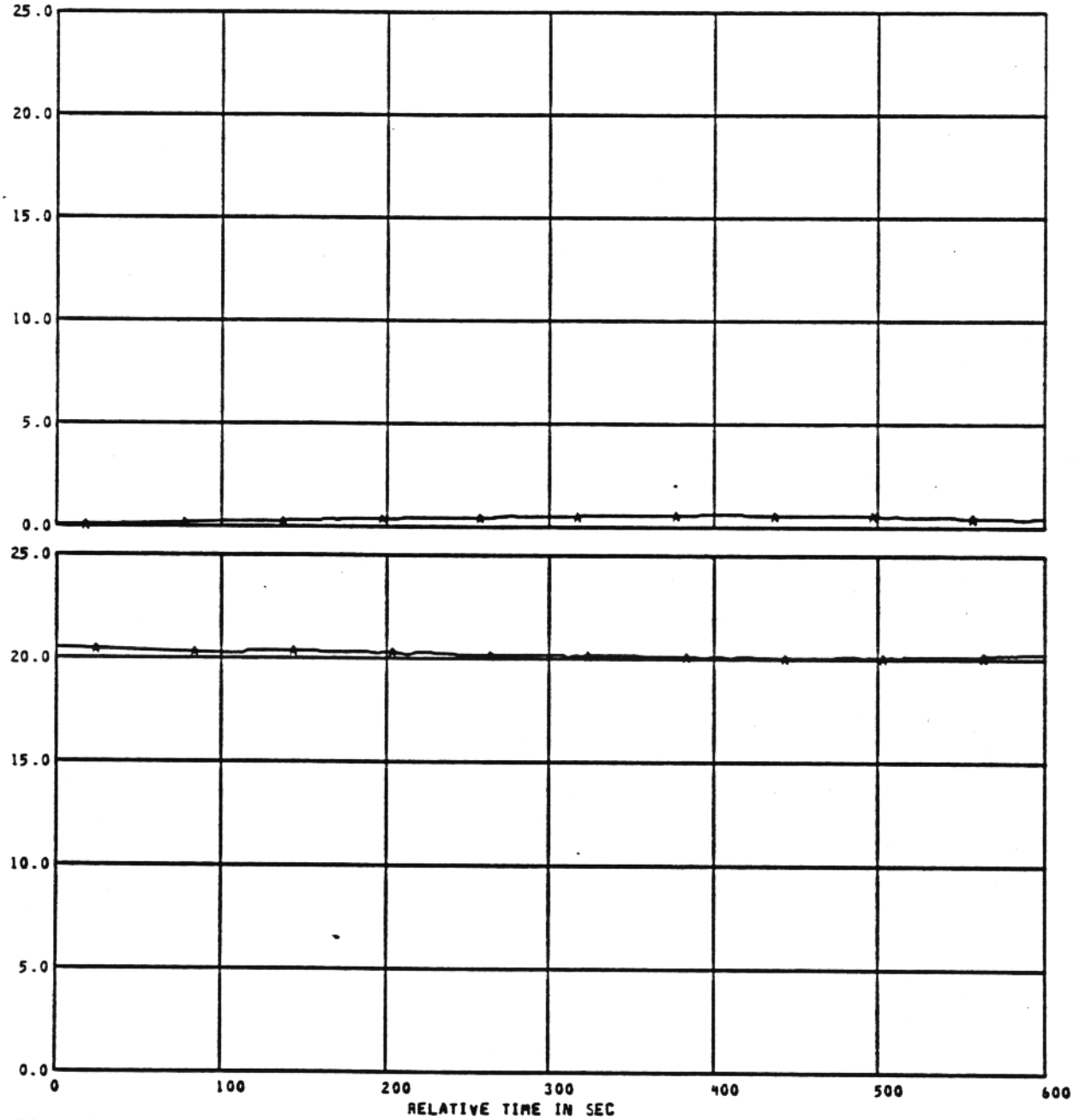
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 10 22 04.000



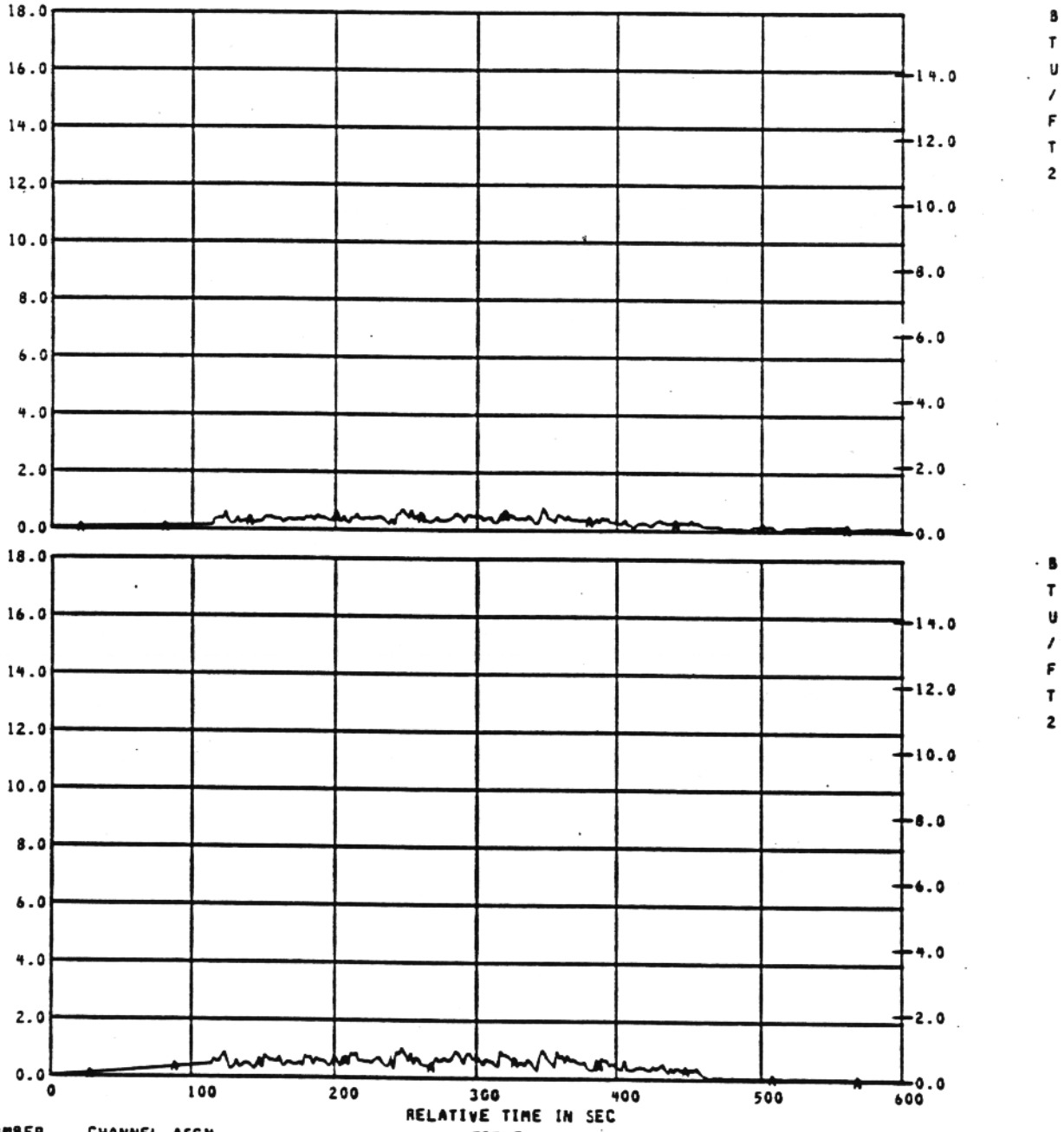
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS.	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 10 22 04.000



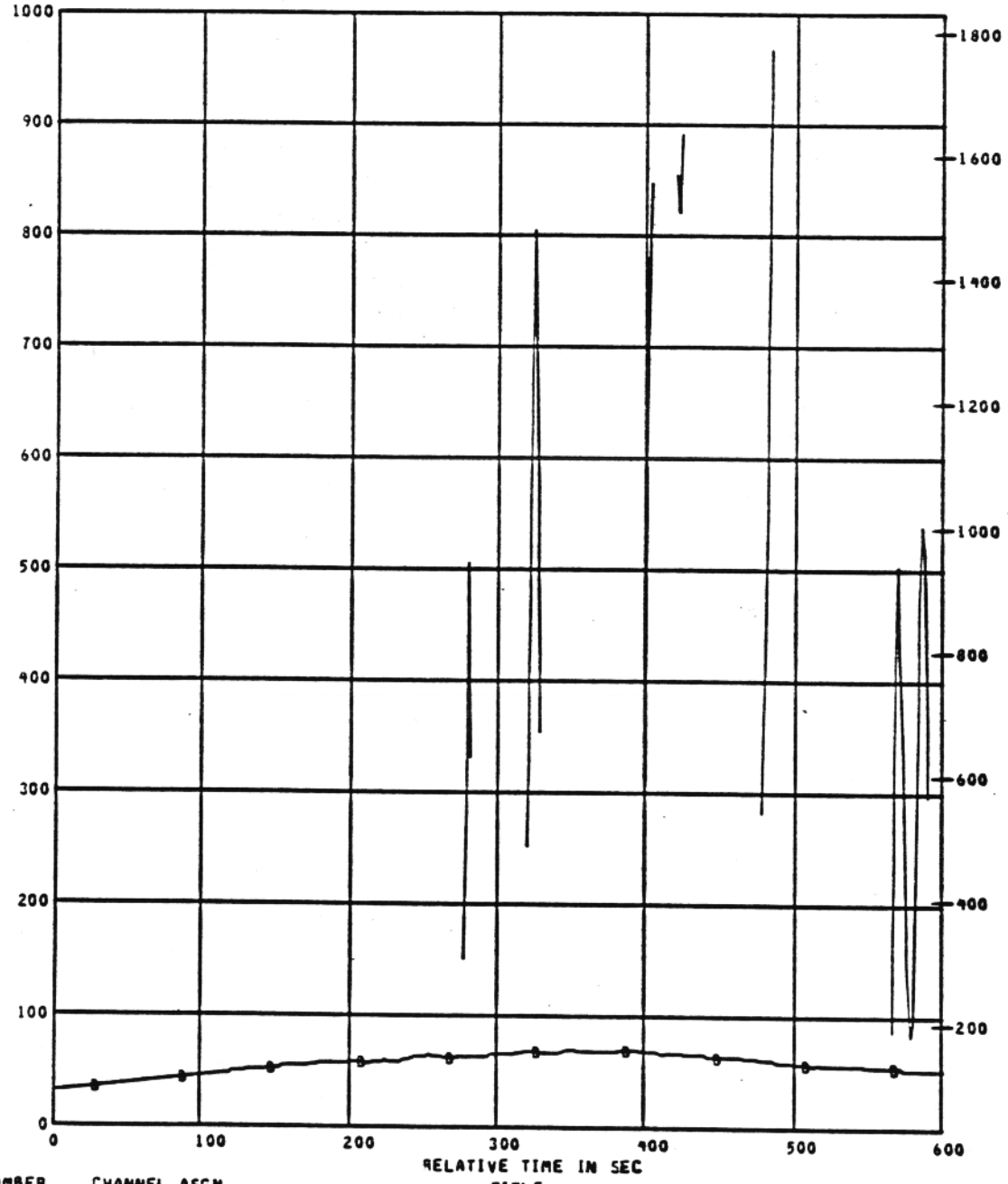
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 10 22 04.000



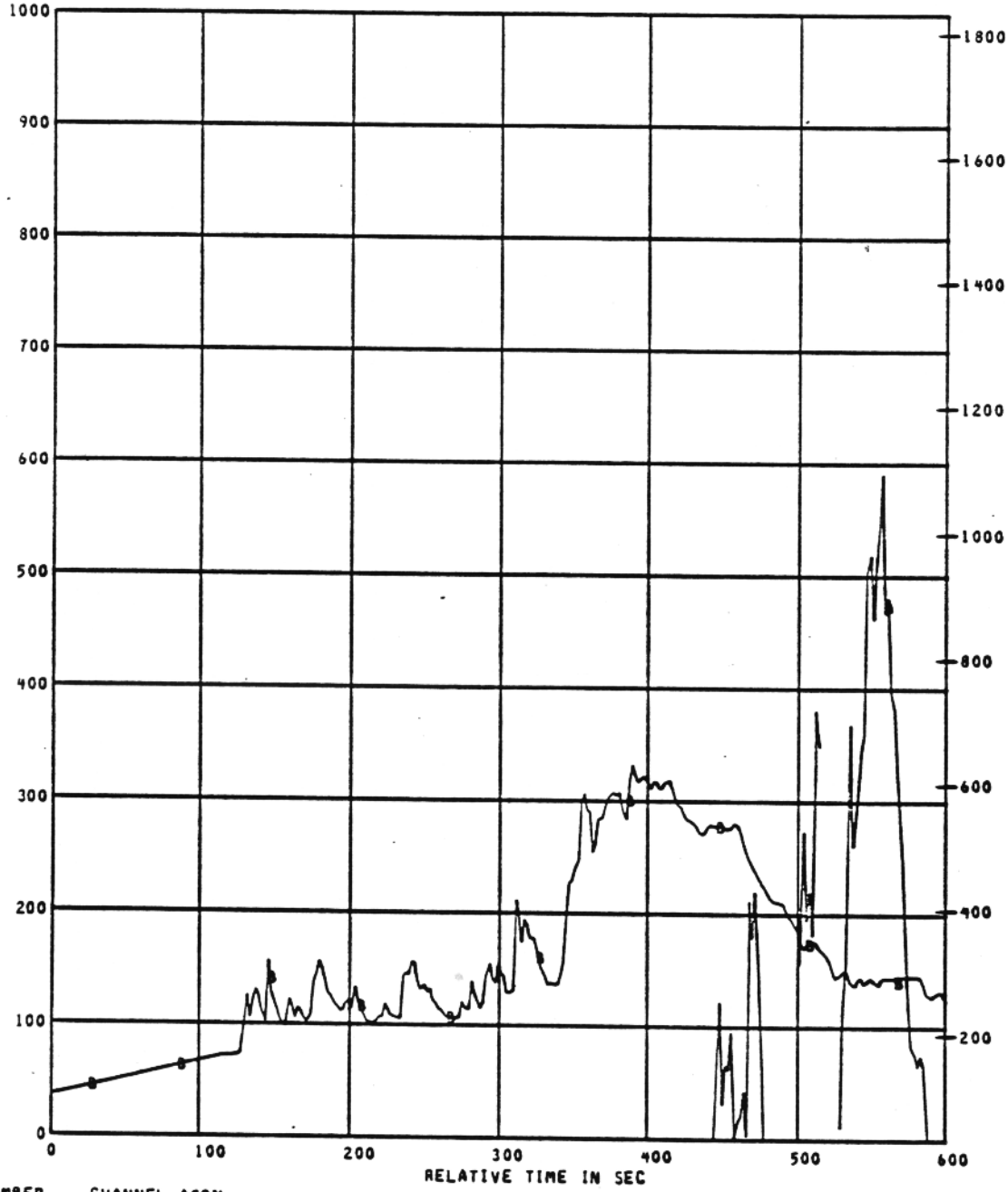
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
s CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 10 22 04.000



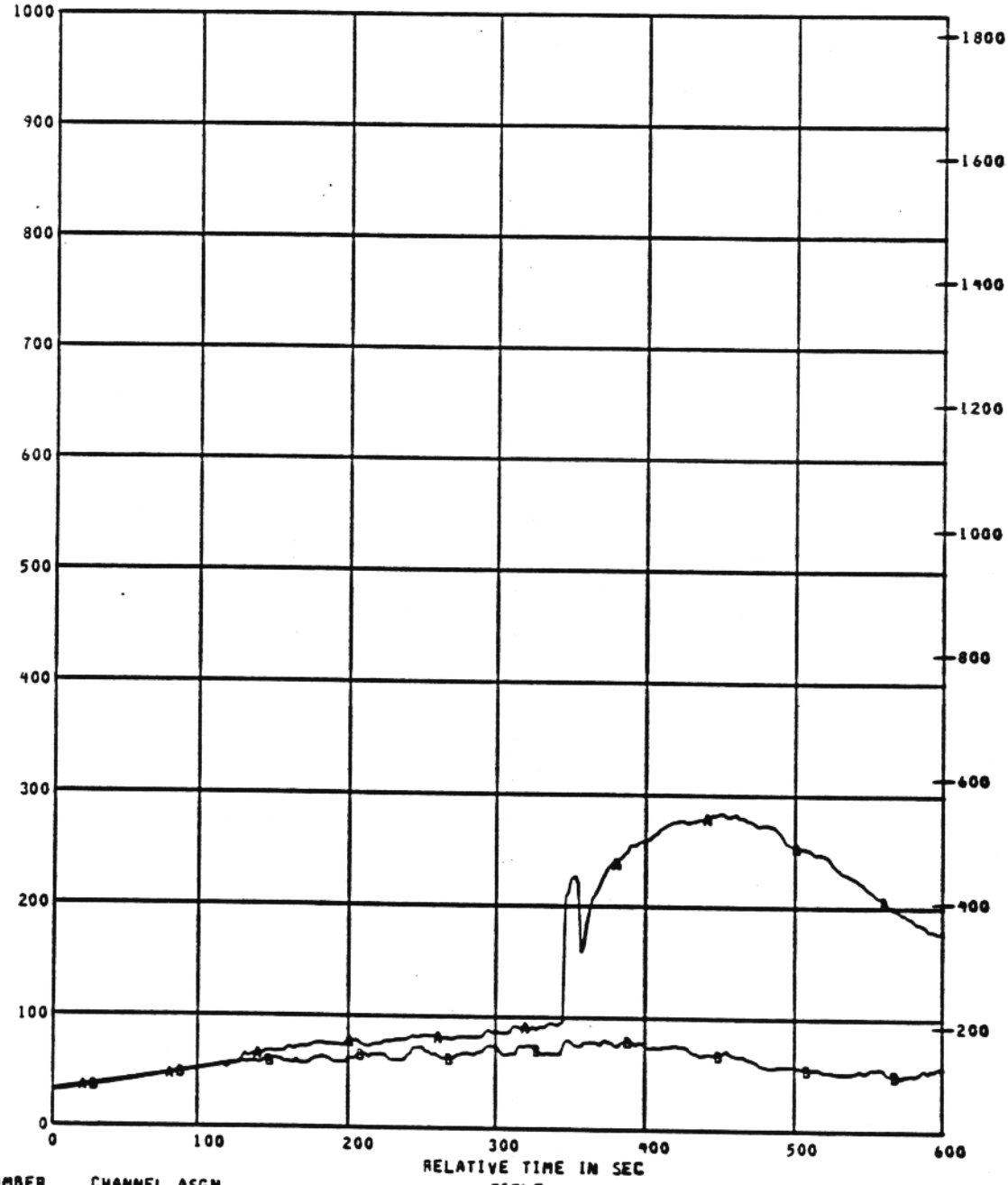
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS68 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 10 22 04.000



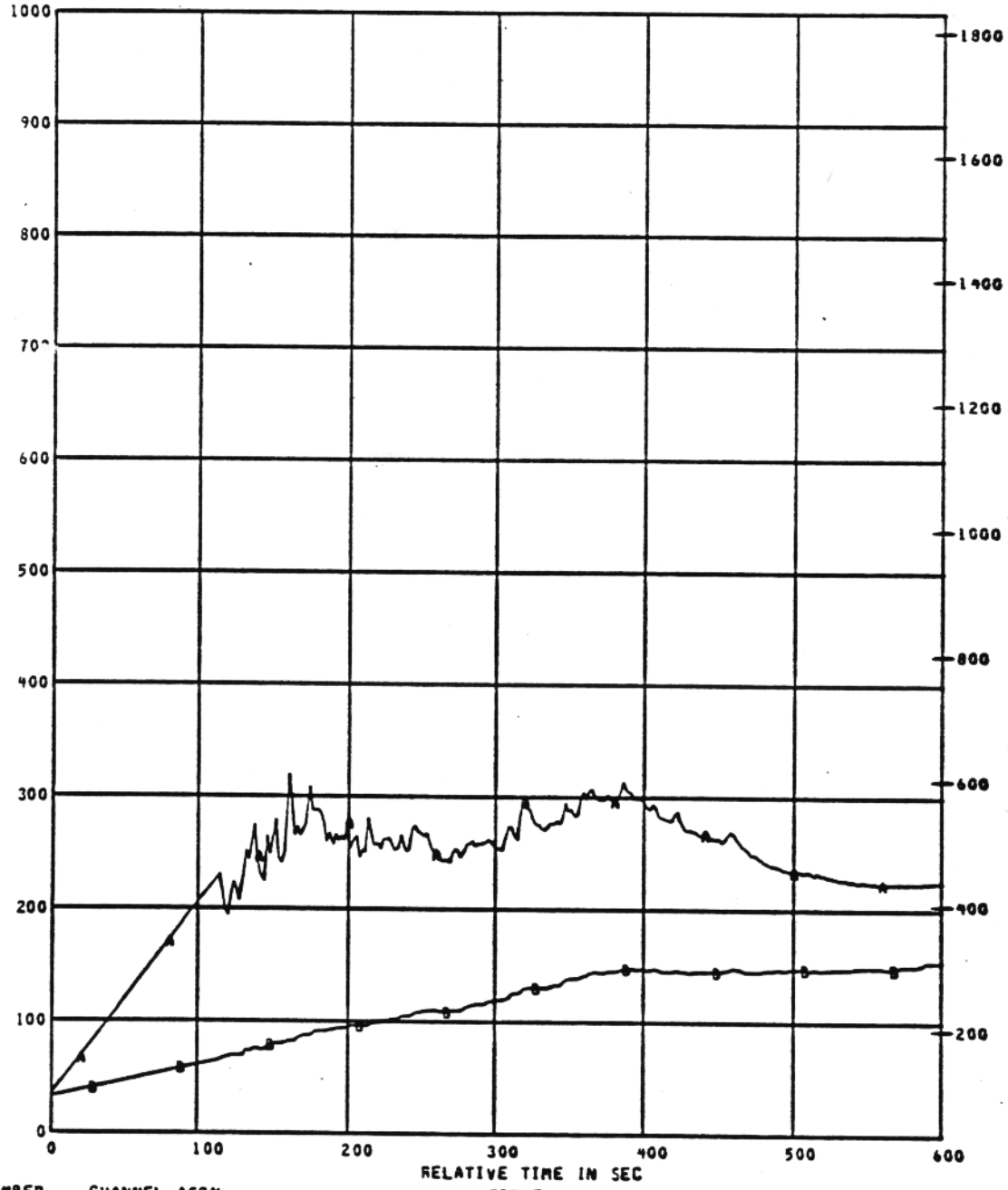
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 10 22 04.000



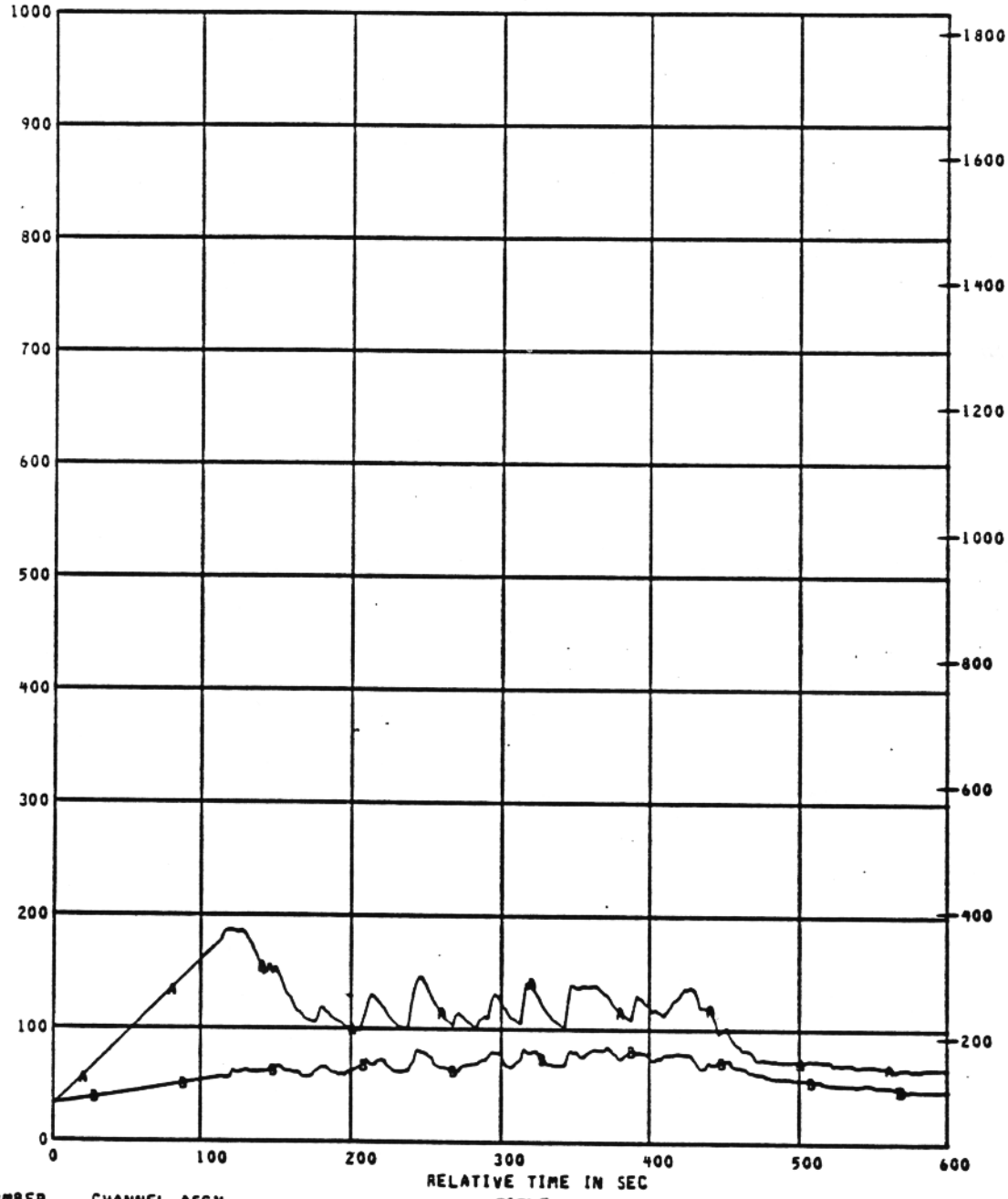
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 10 22 04.000



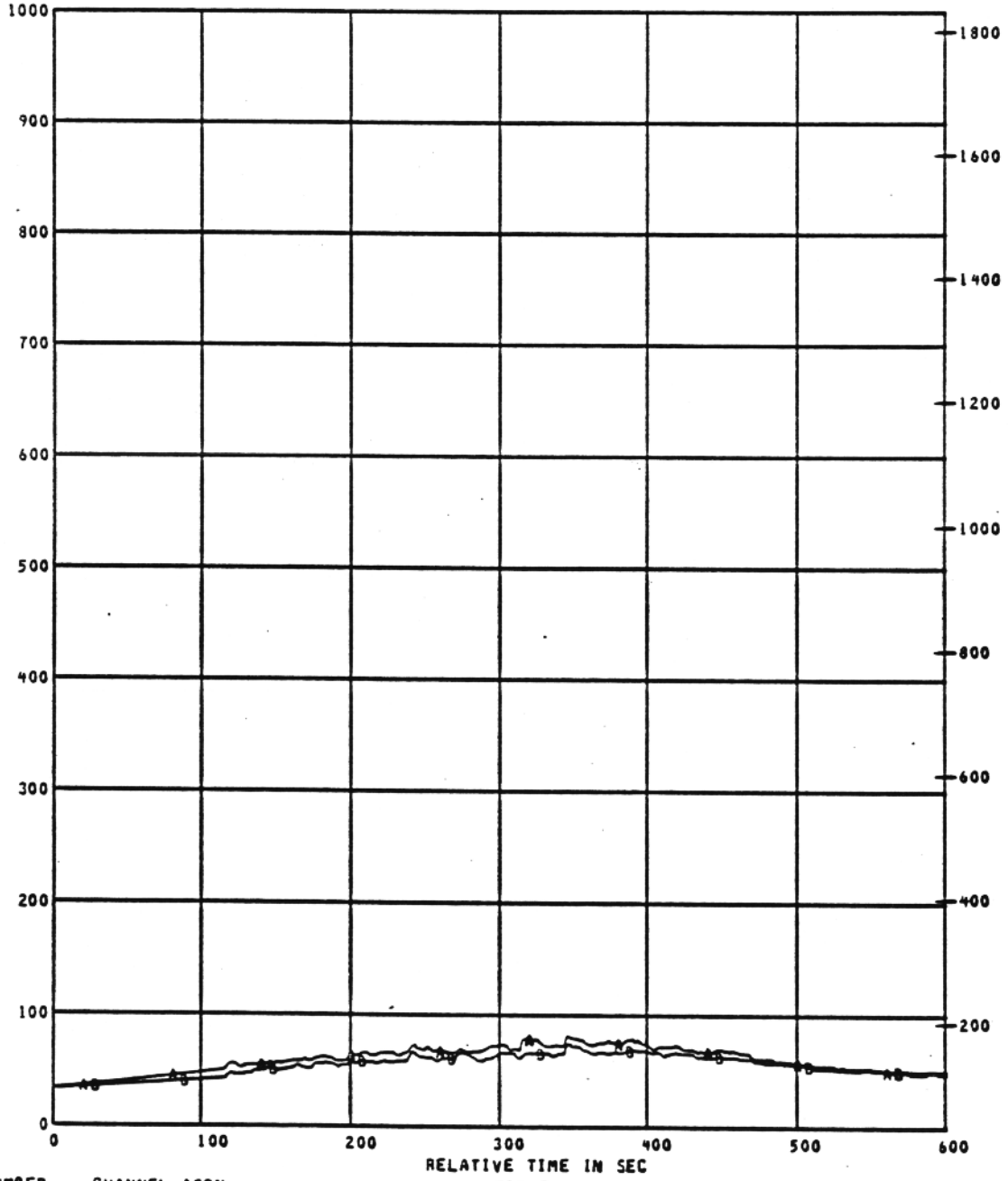
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS68 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 10 22 04.000



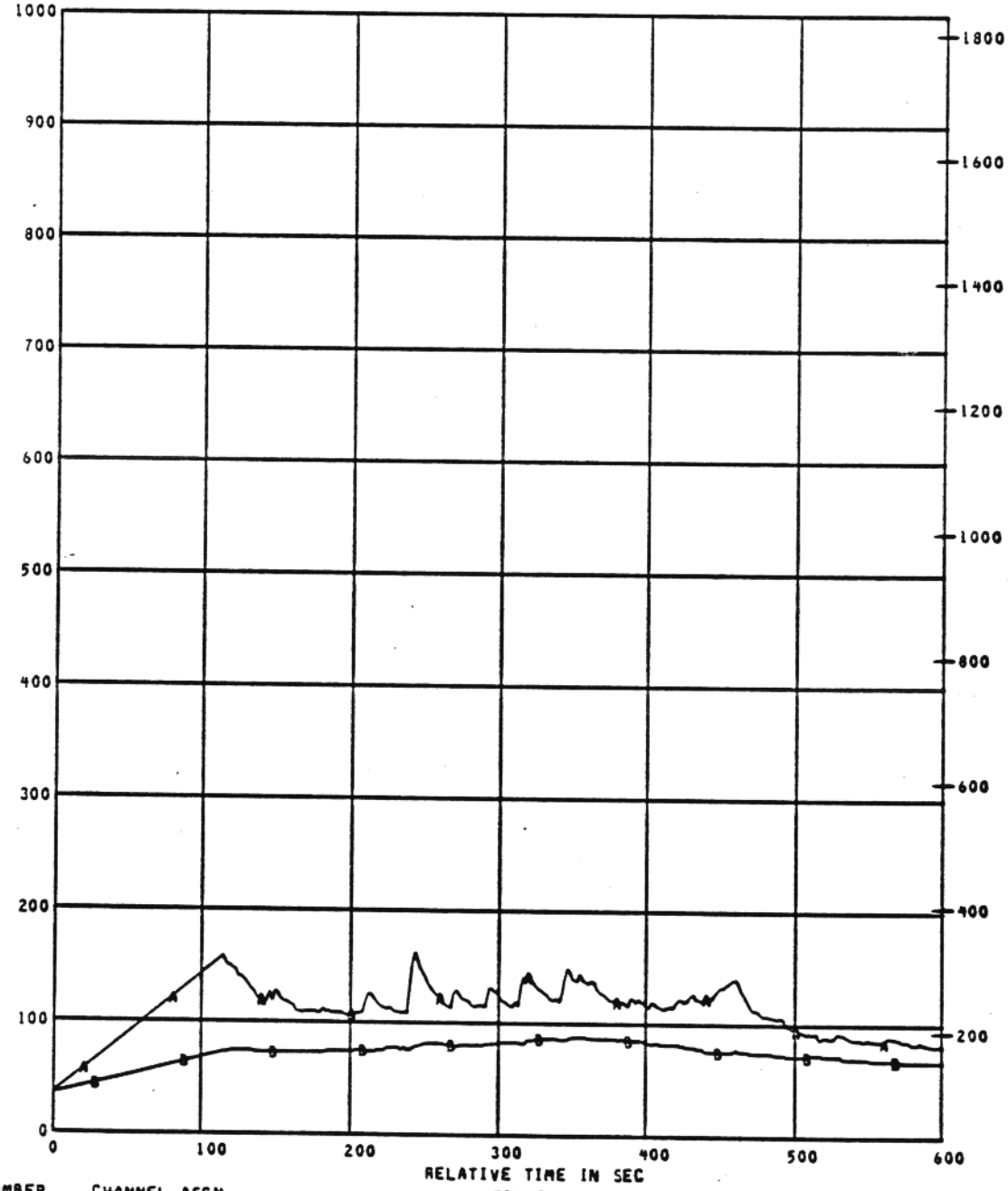
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 10 22 04.000



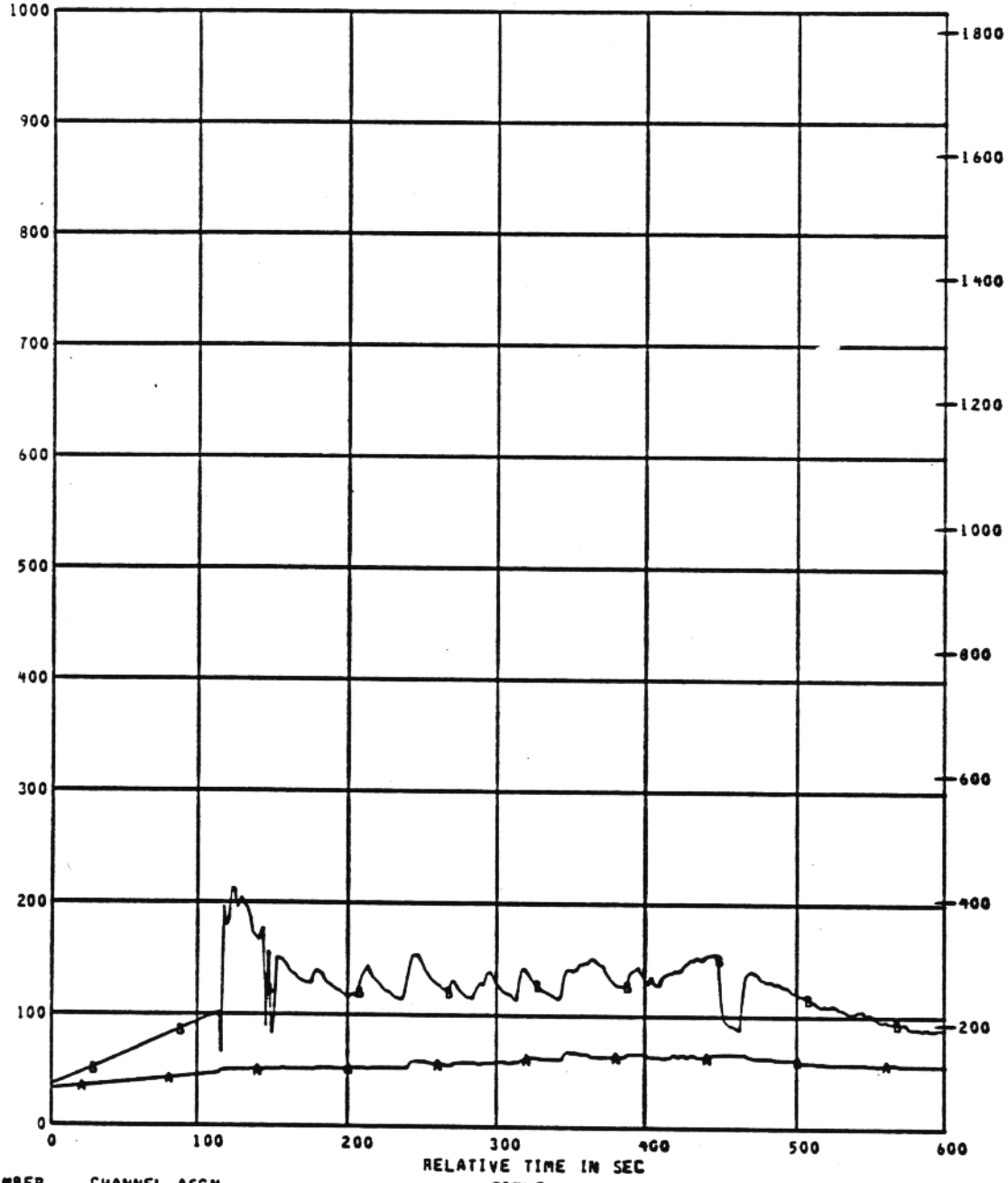
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
s TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 10 22 04.000



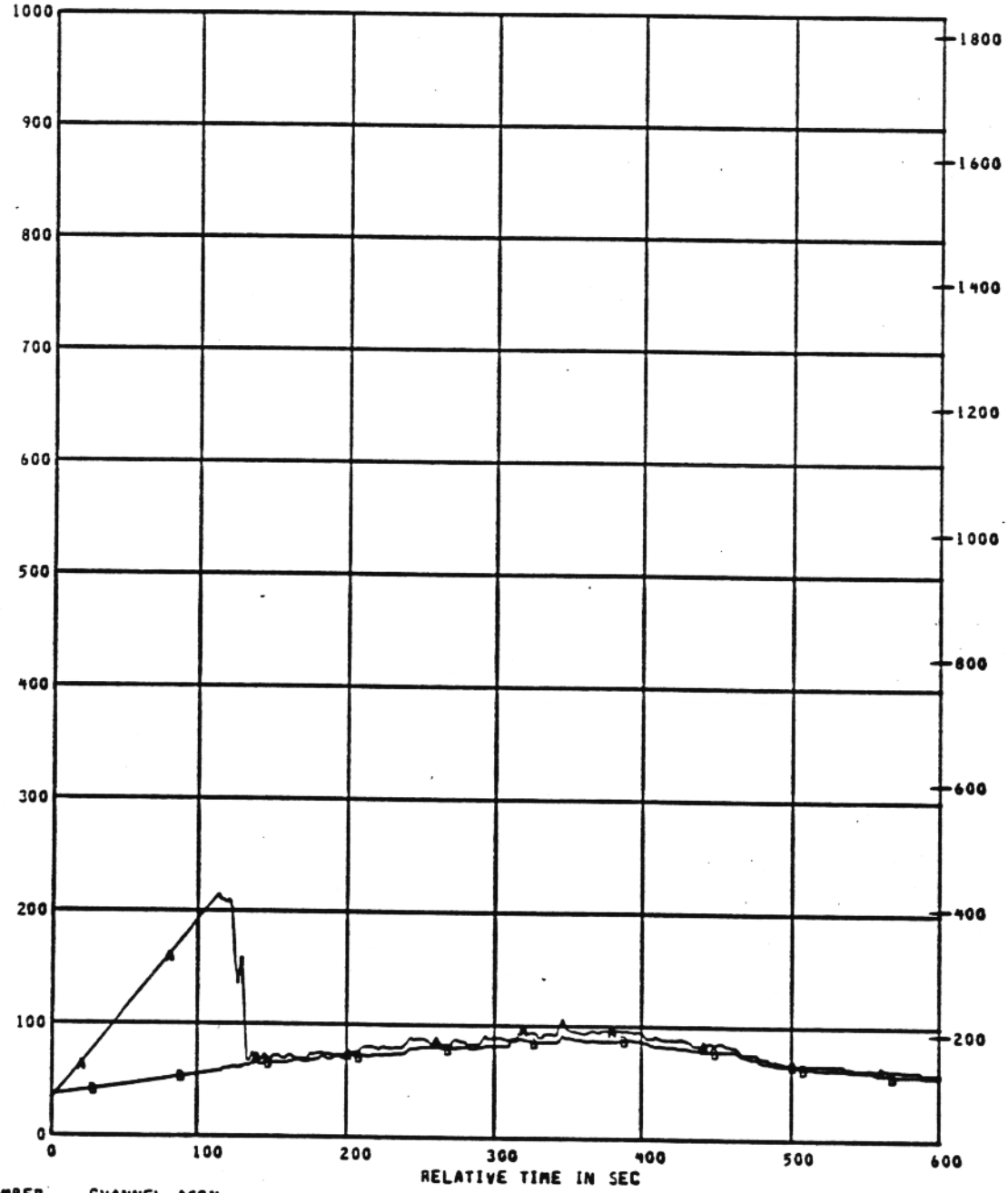
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 10 22 04.000



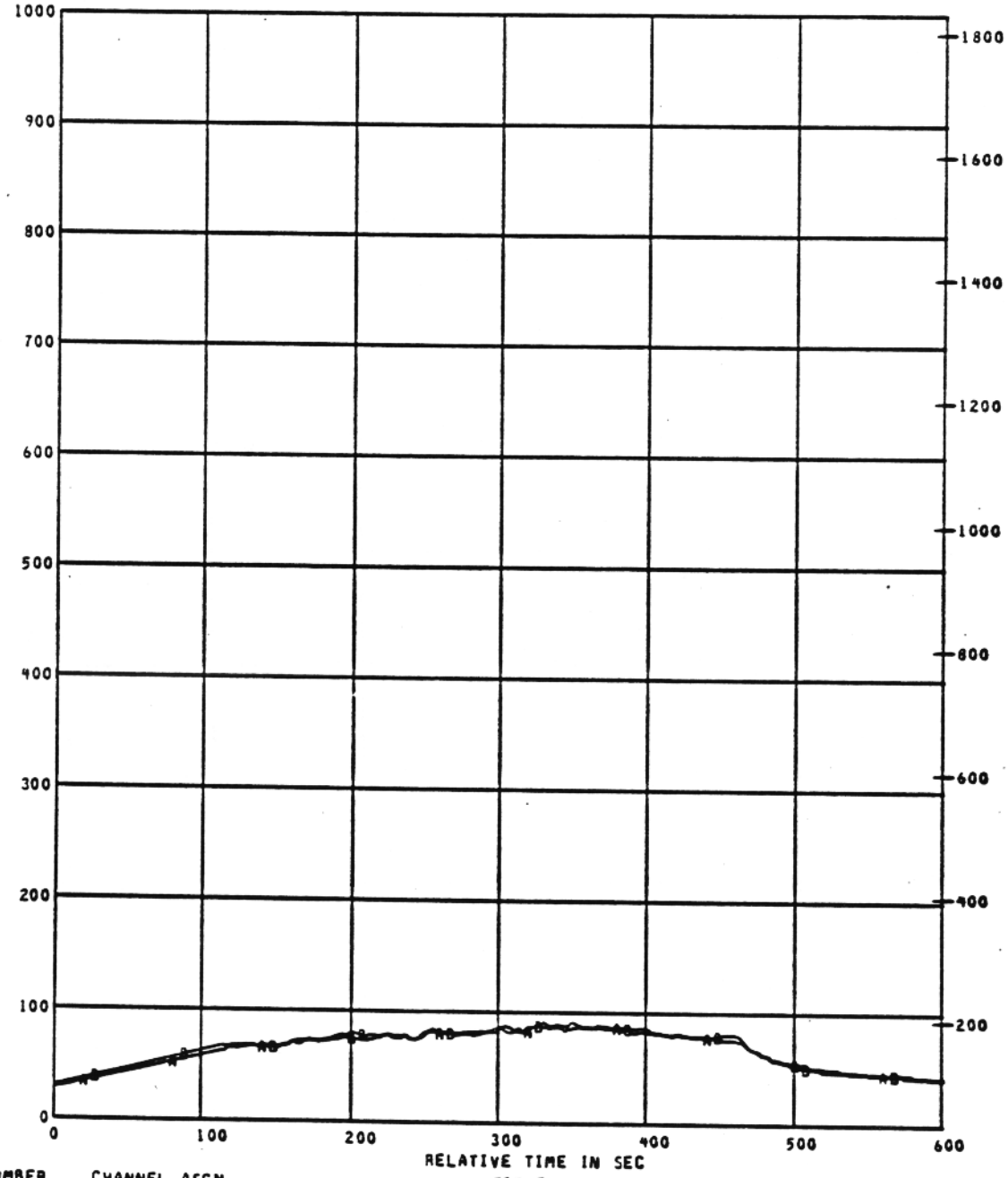
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 10 22 04.000



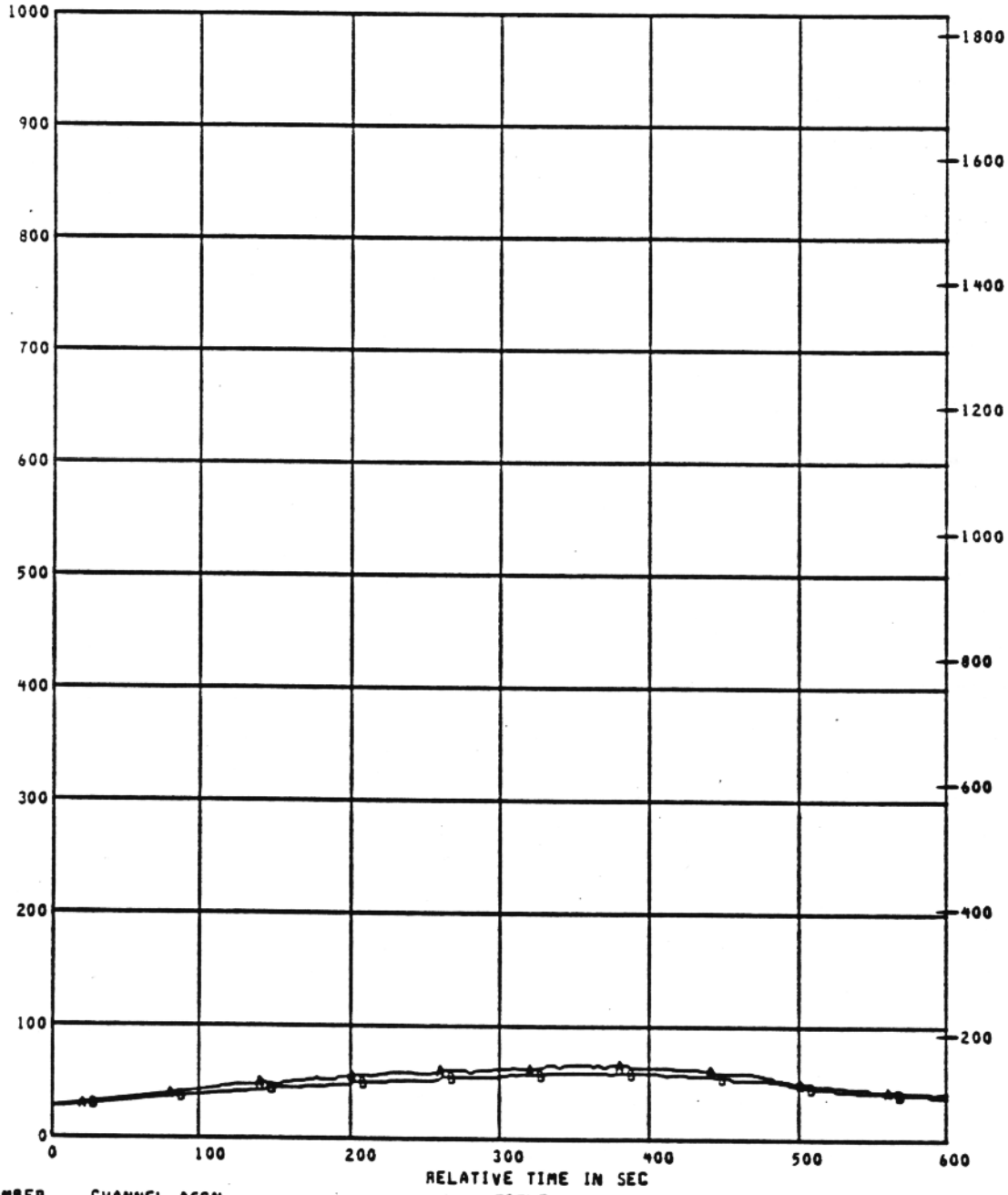
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 10 22 04.000



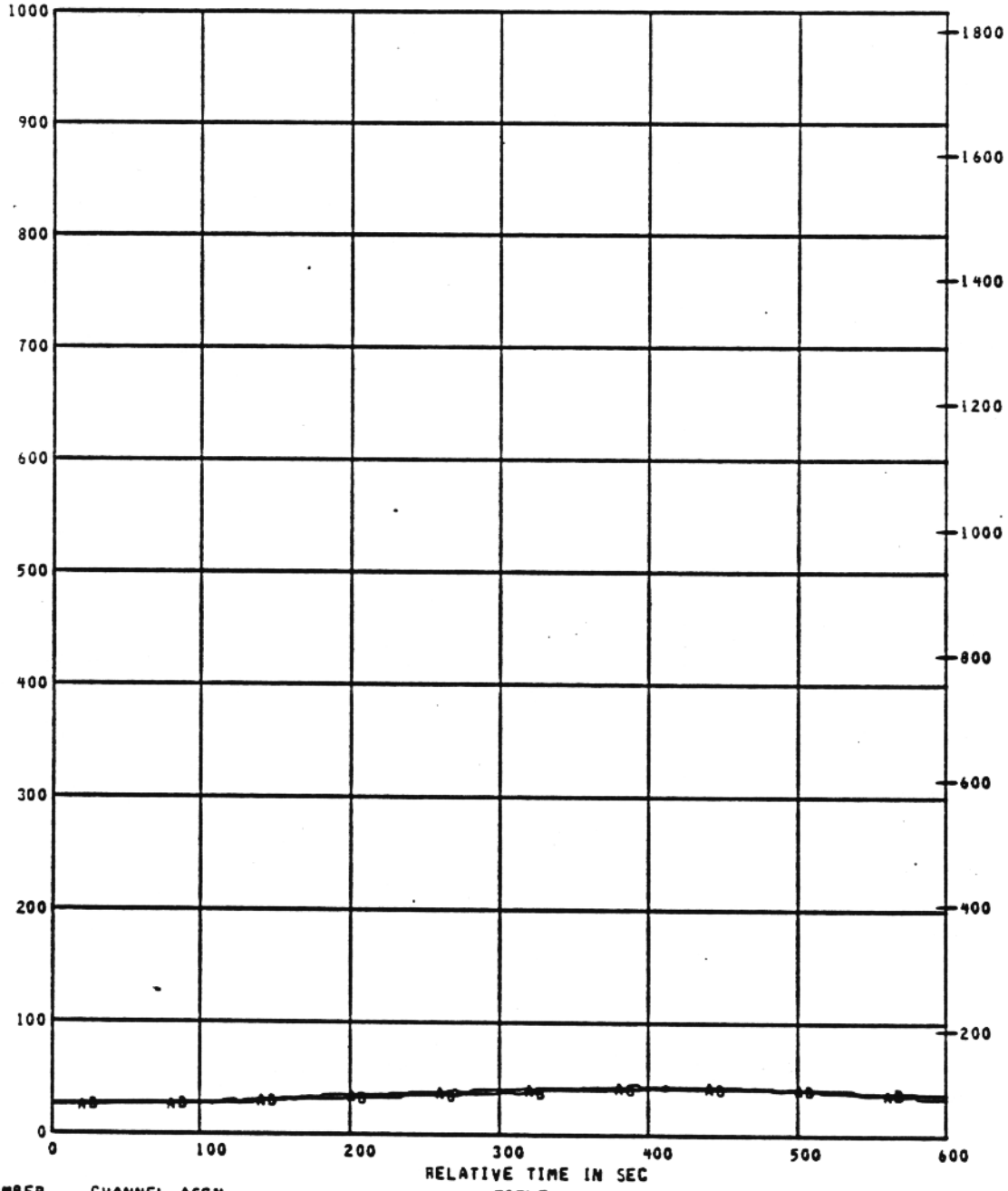
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS68 SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 10 22 04.000



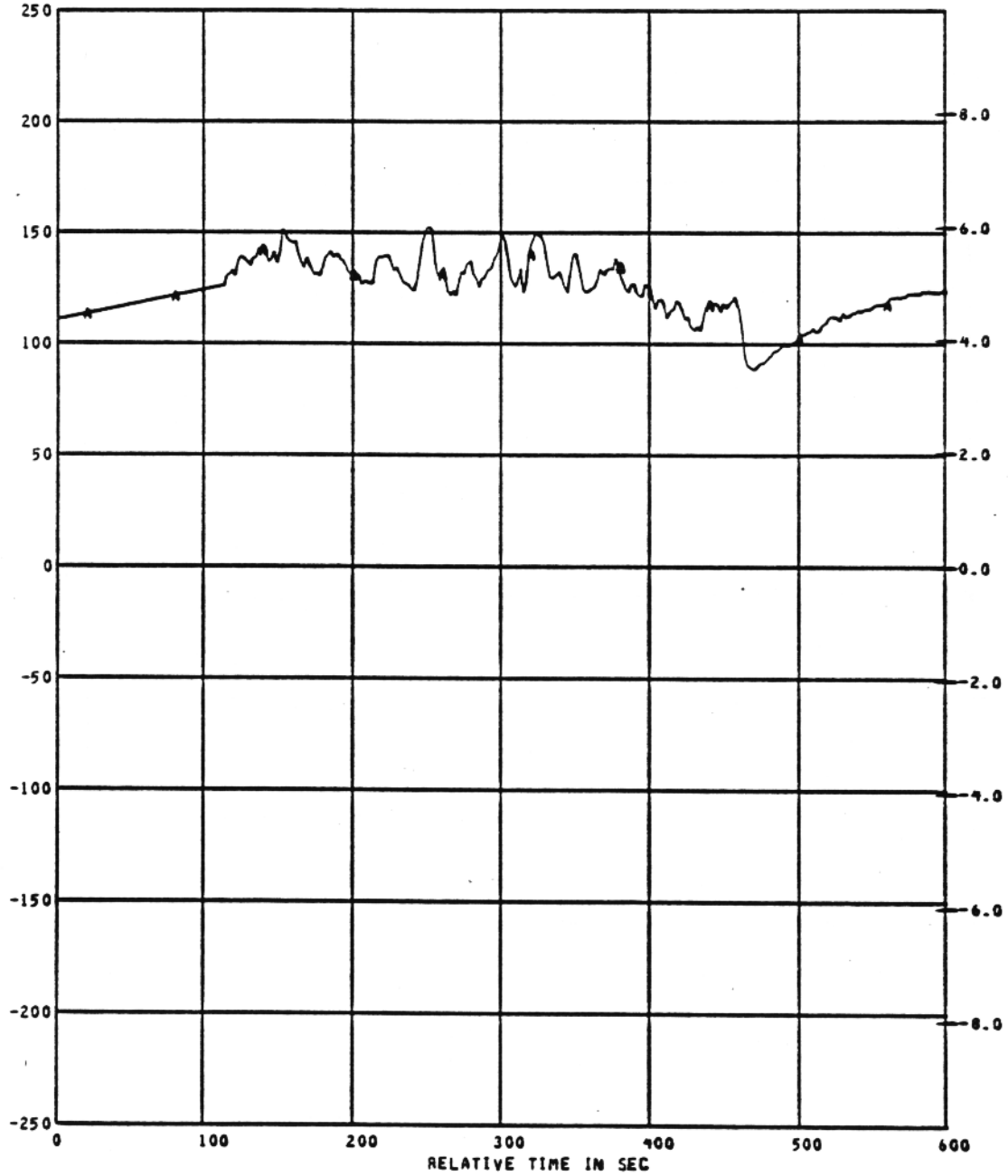
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 10 22 04.000



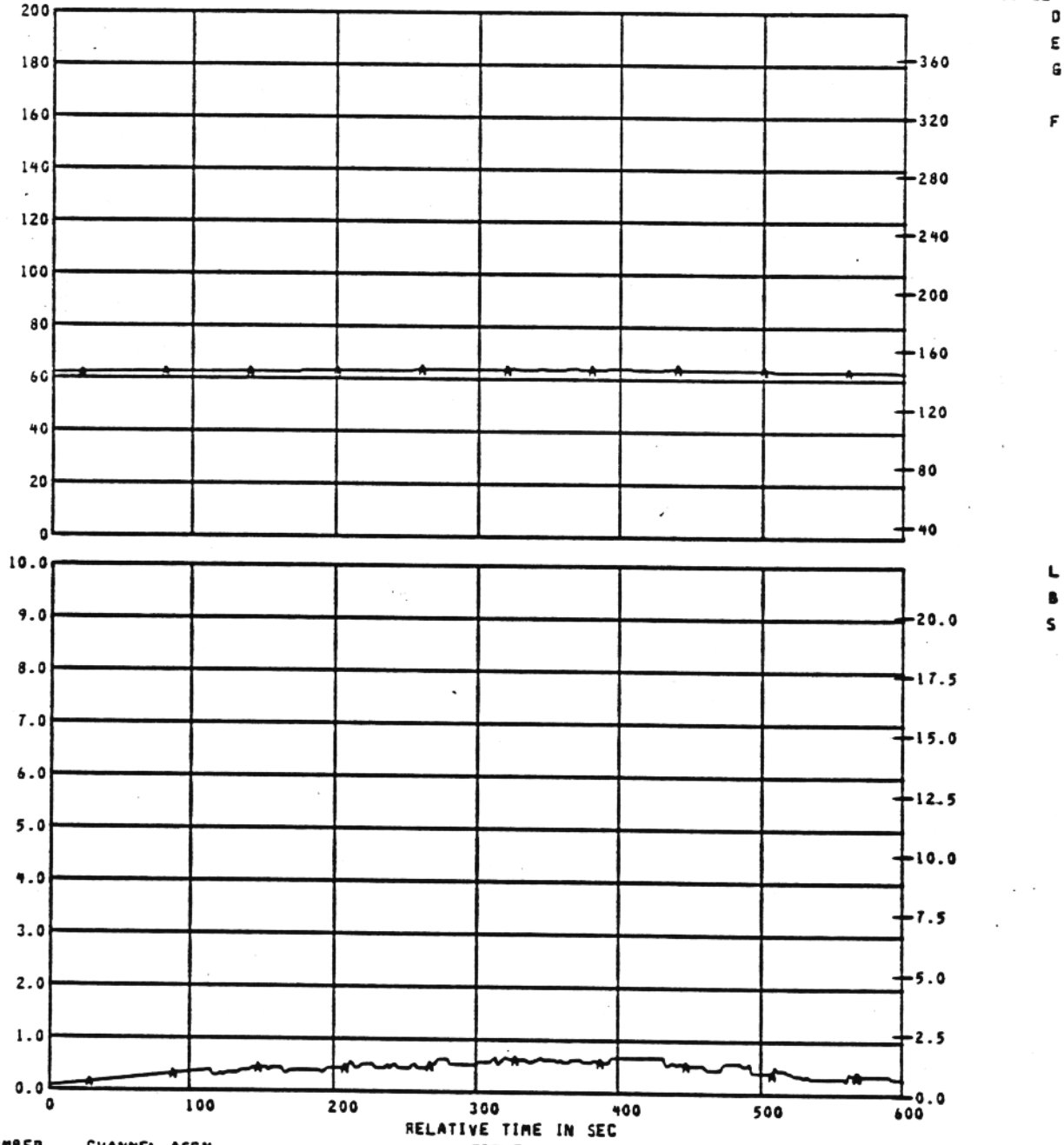
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 10 22 04.000



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

TEST ID NAS6B SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 10 22 04.000

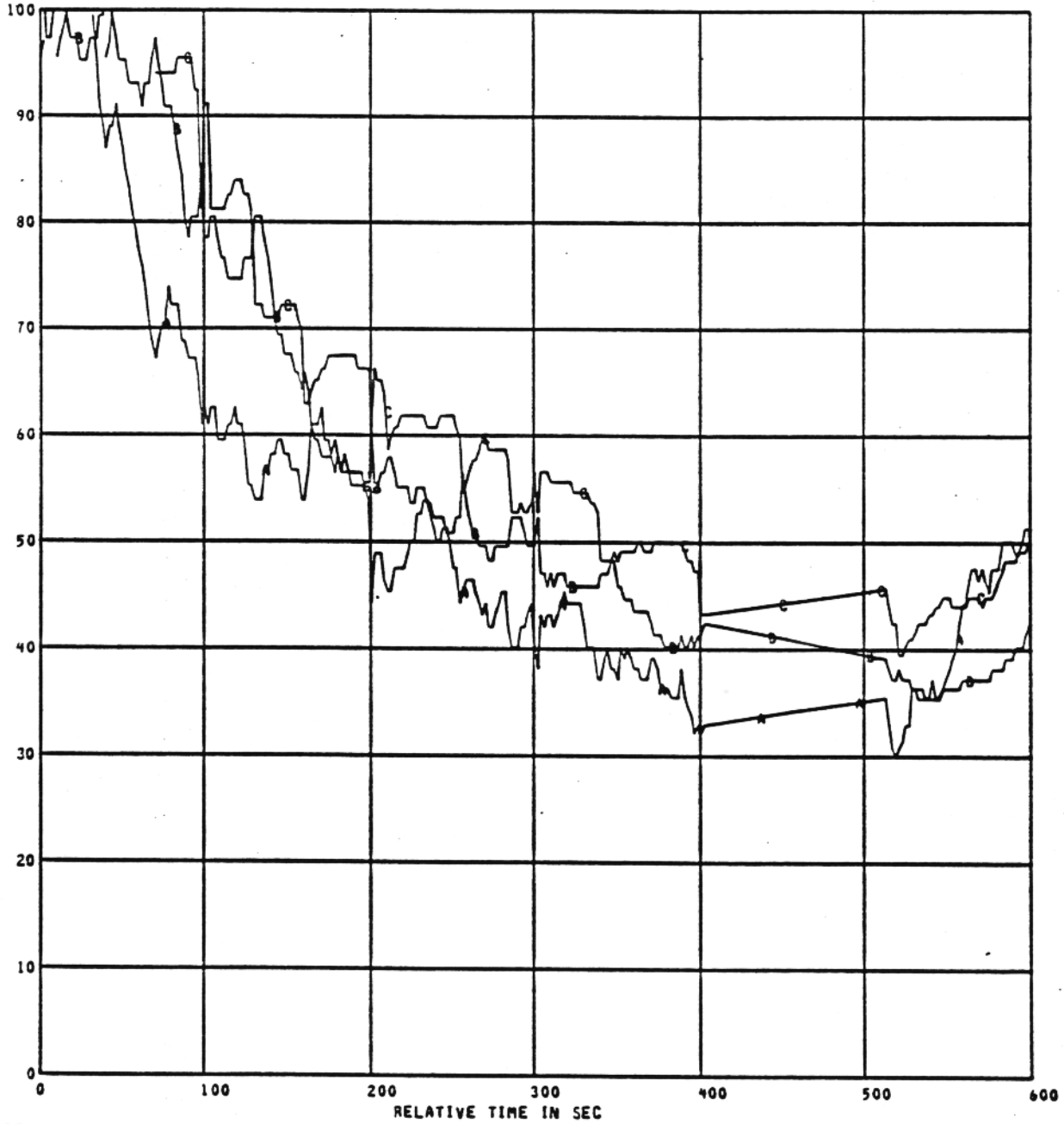


MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
$ WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 16 43 50.000

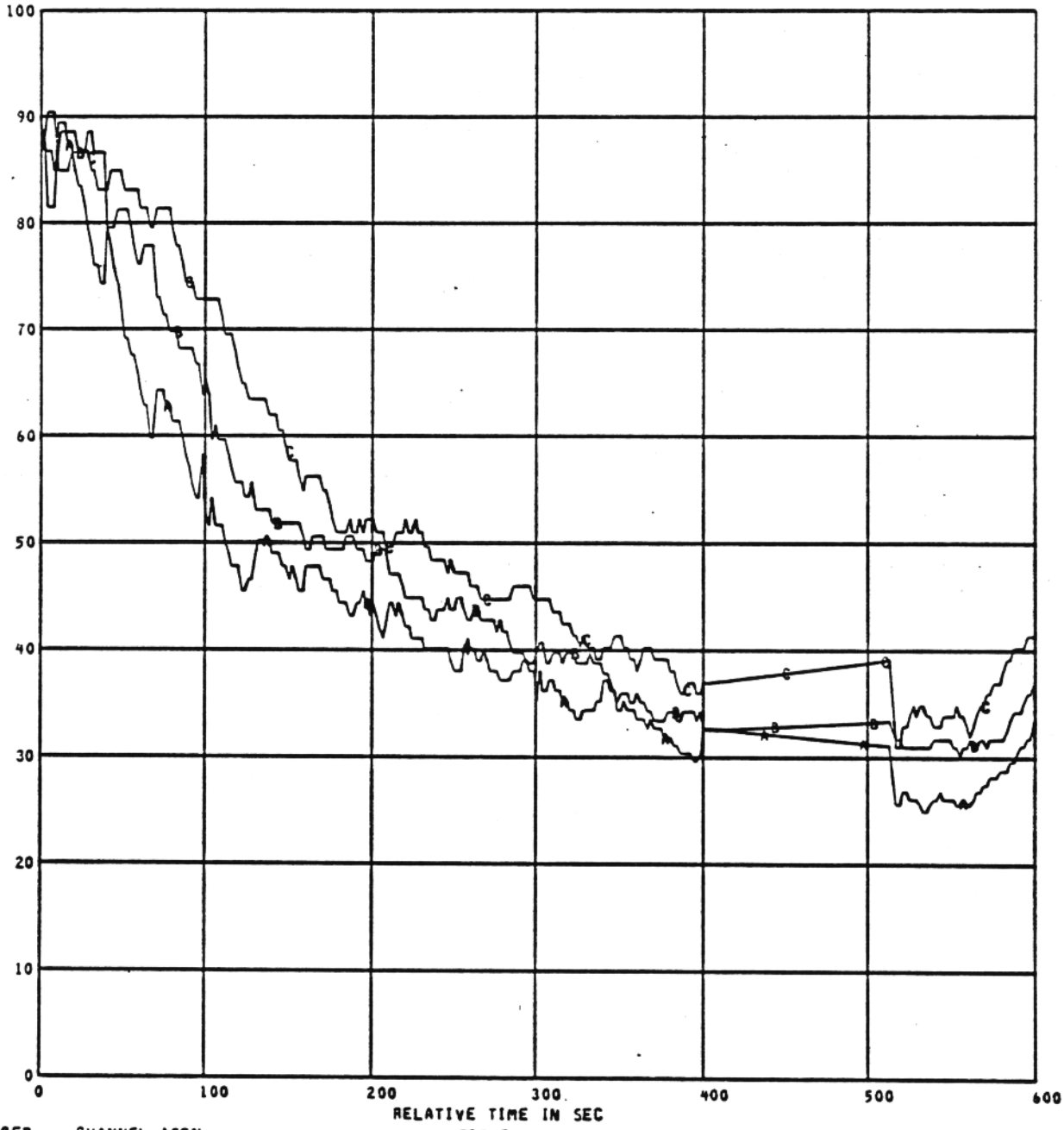
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 10 43 50.000



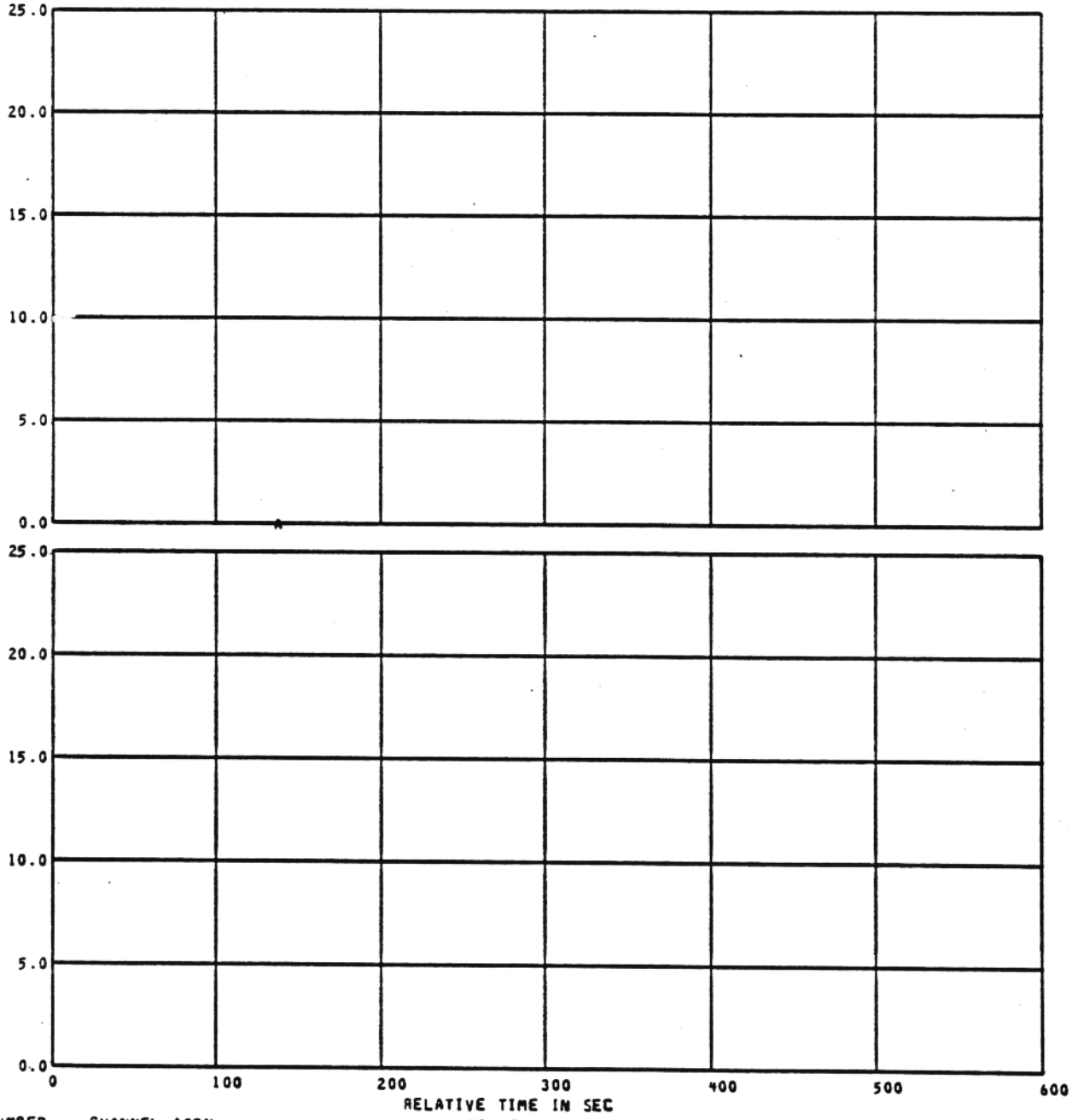
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 10 43 50.000



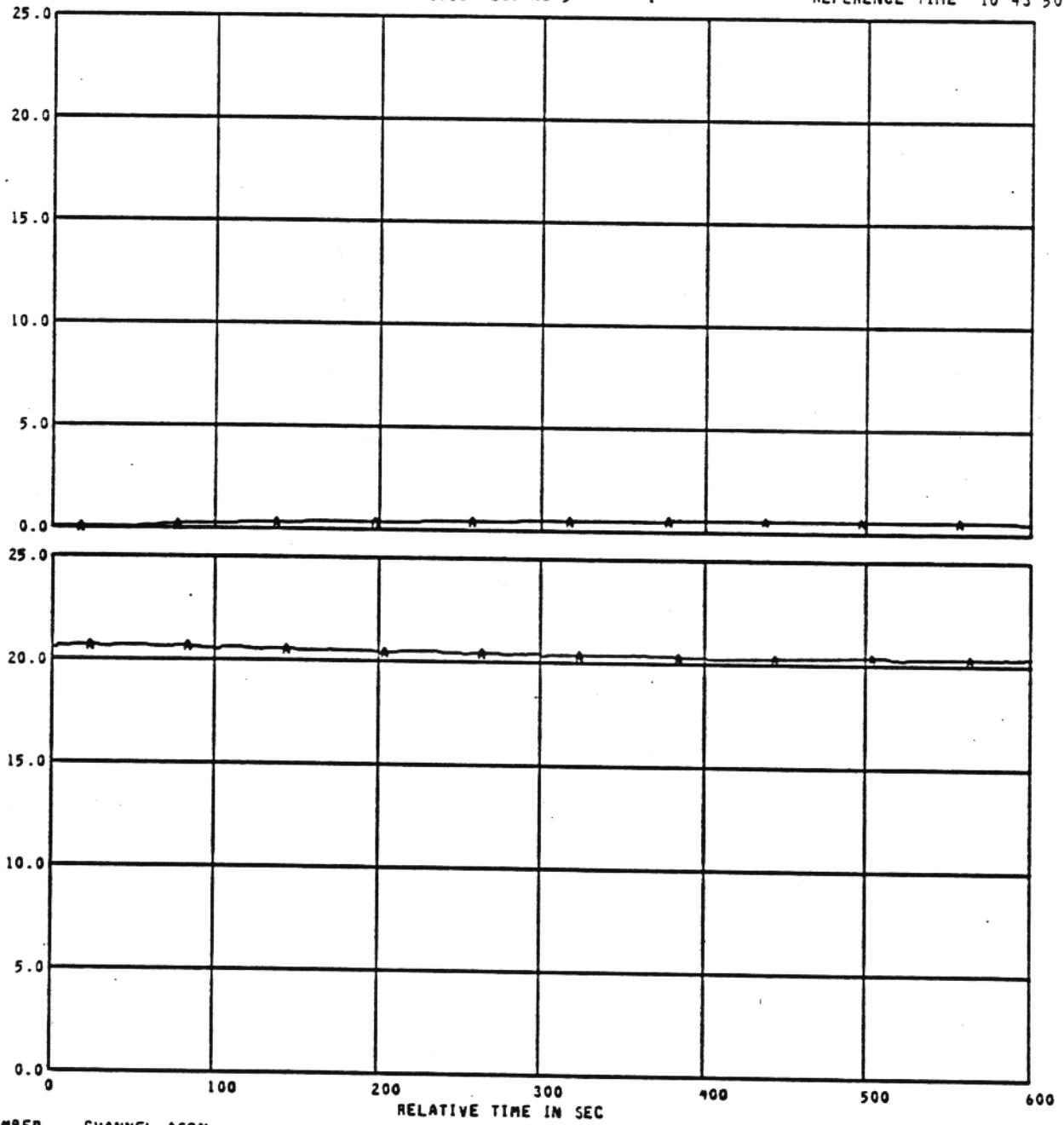
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 10 43 50.000



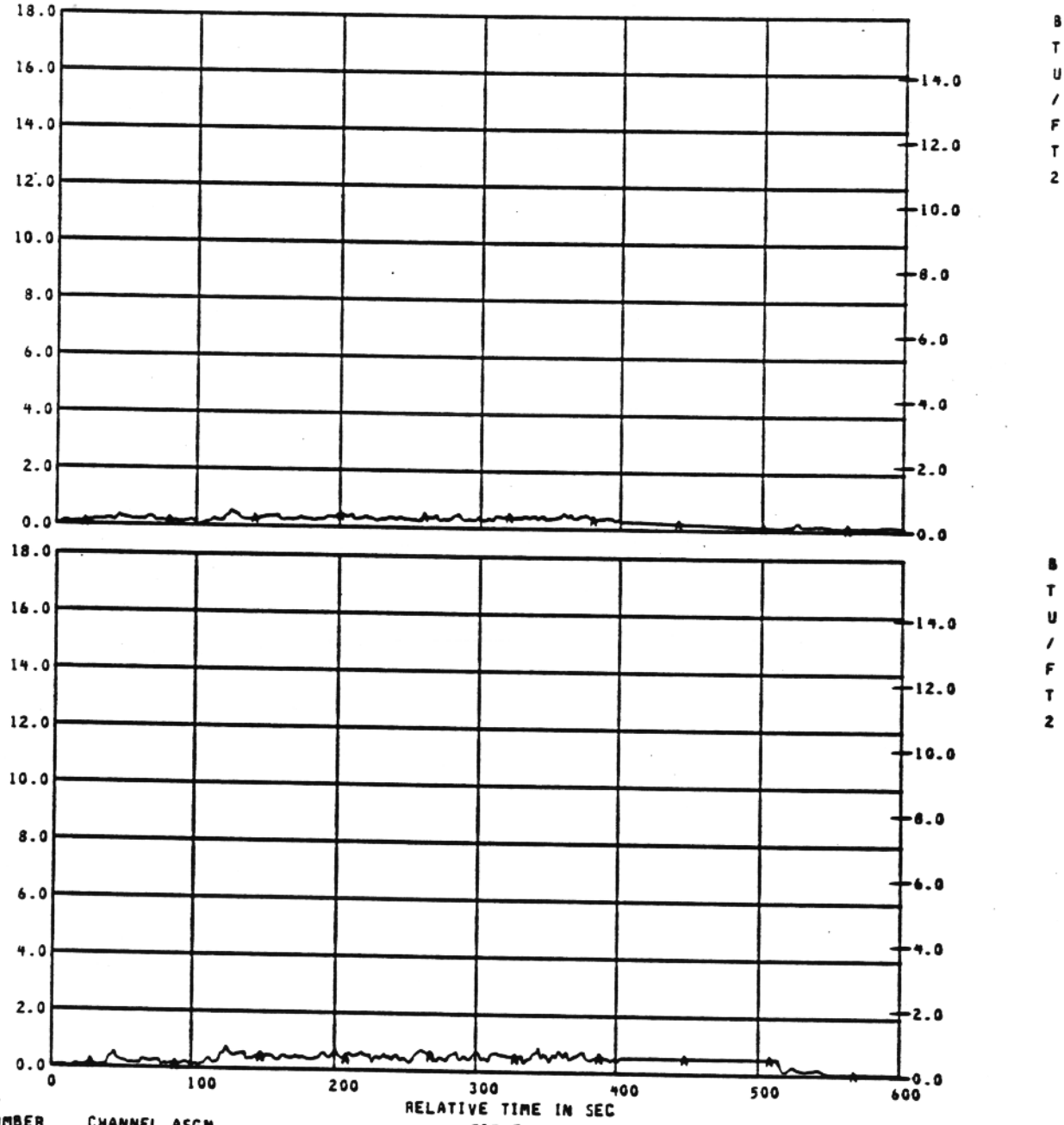
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 10 43 50.000



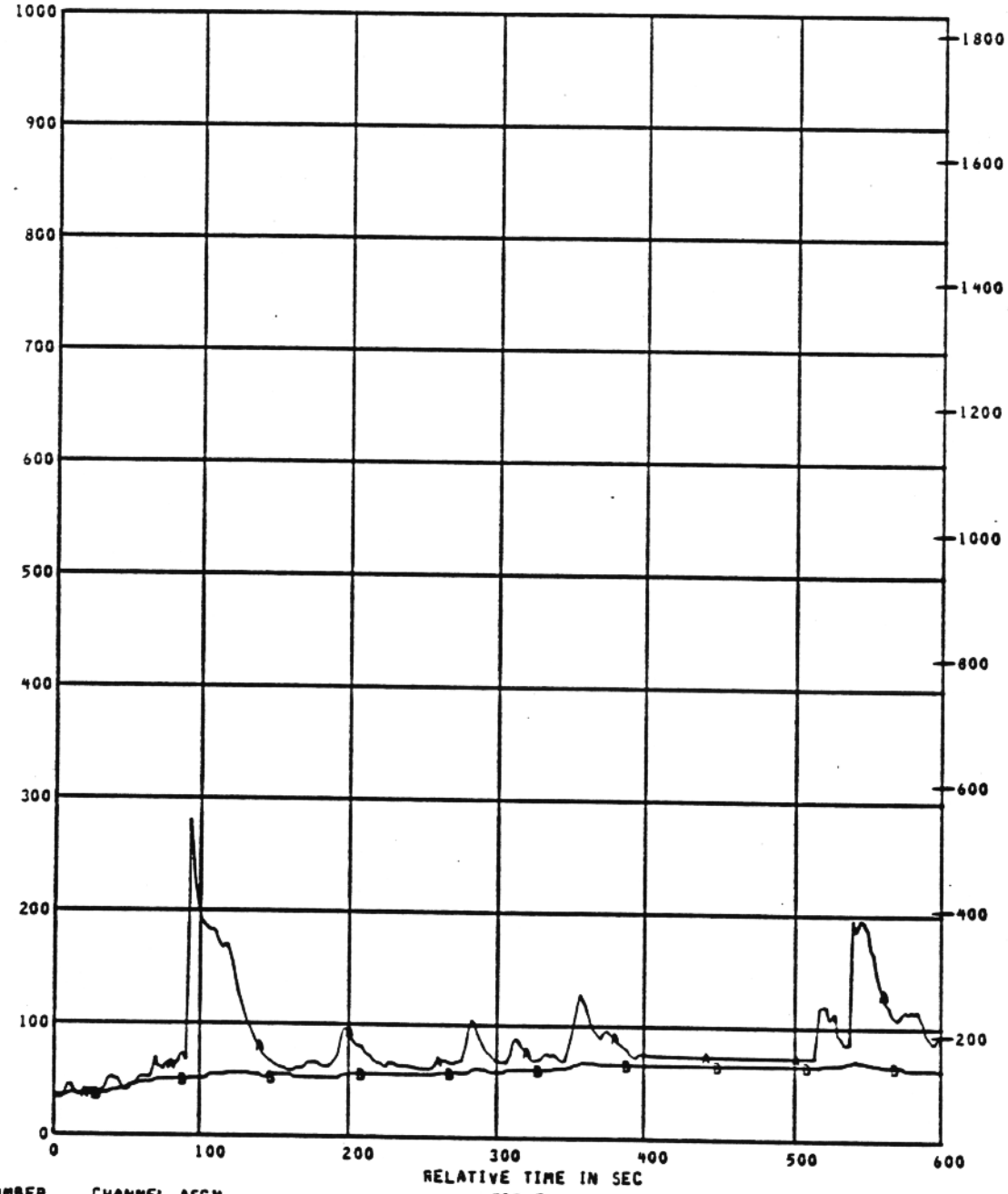
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 10 43 50.000



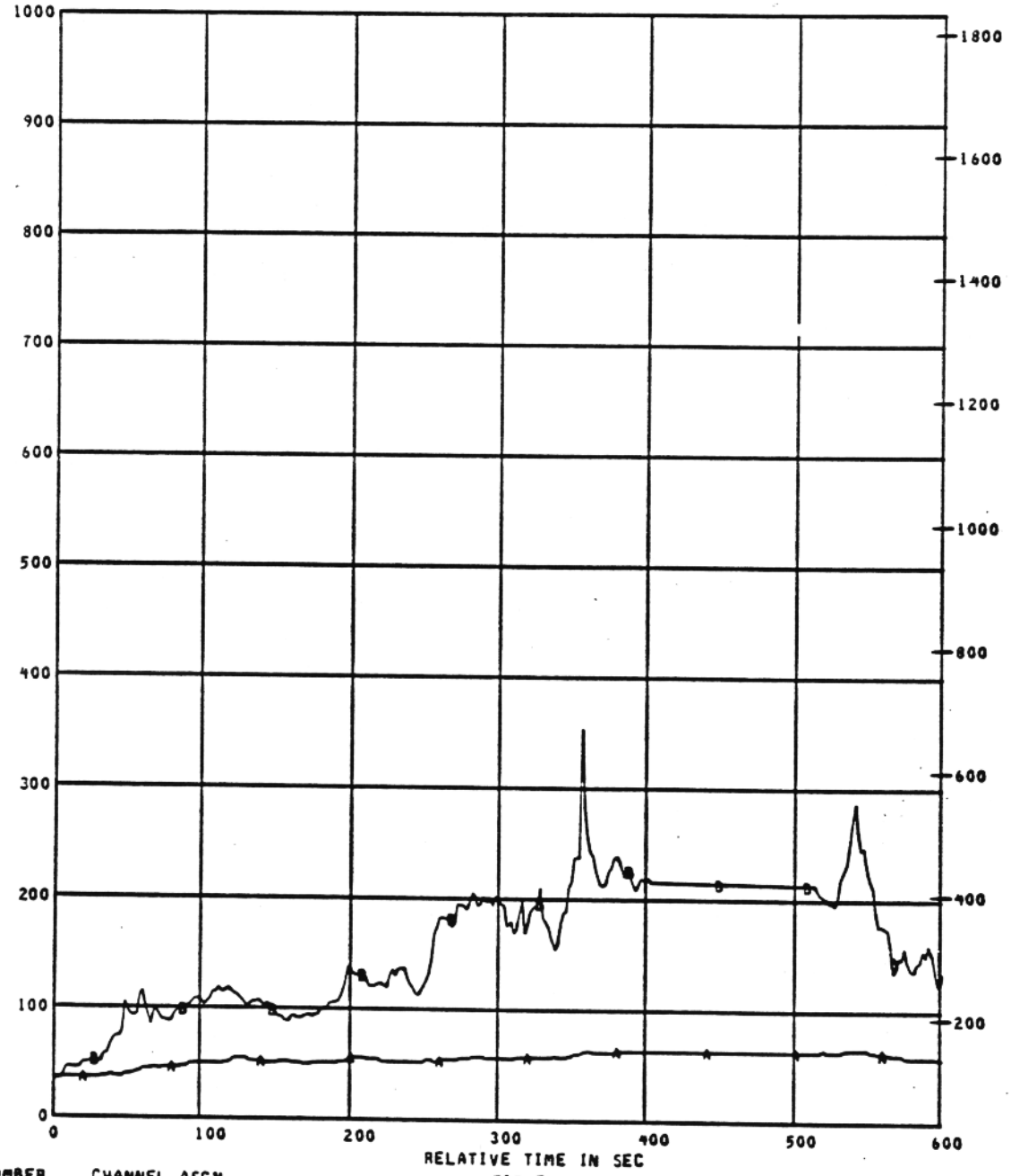
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
$ CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS78 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 10 43 50.000



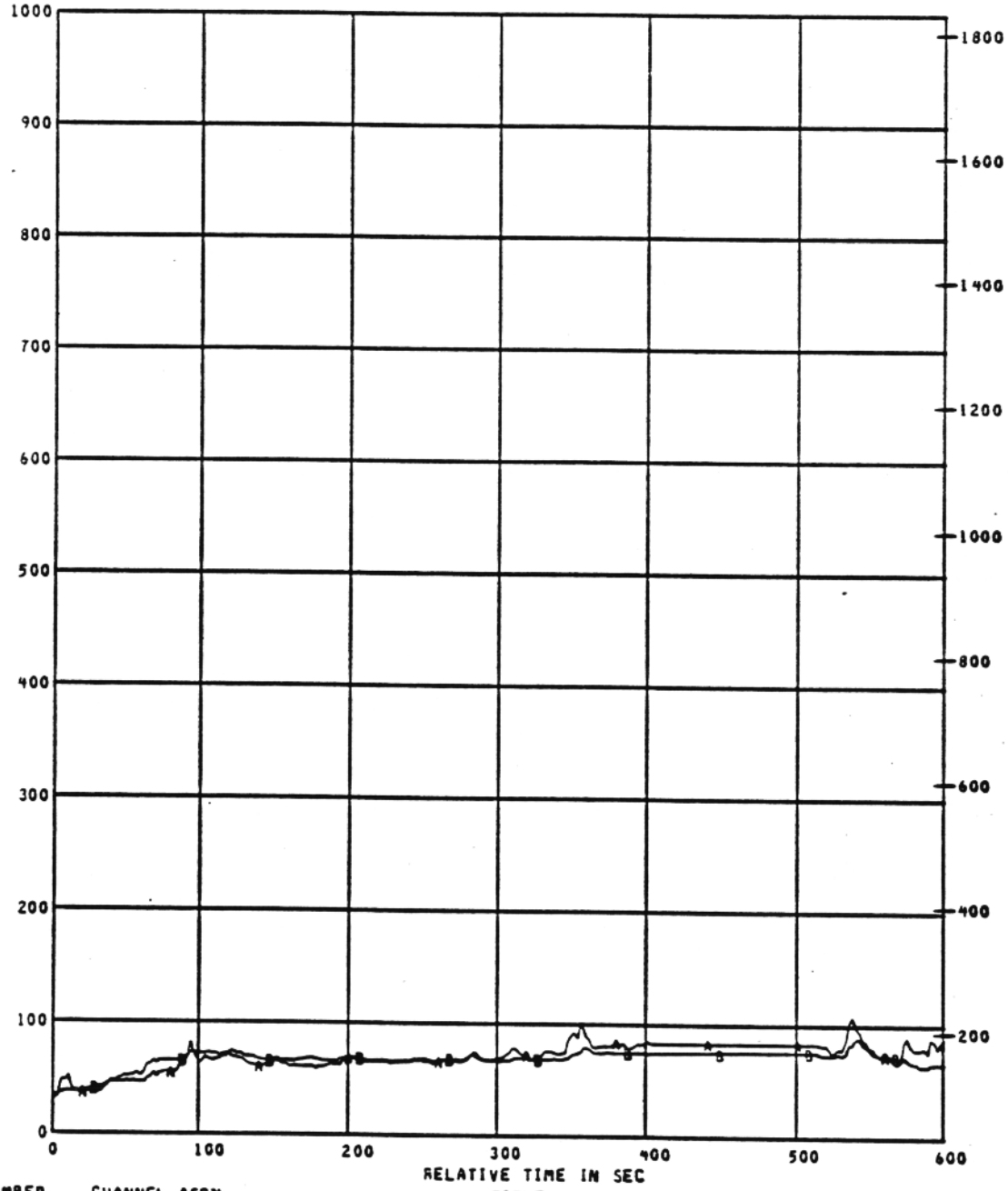
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS78 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 10 43 50.000



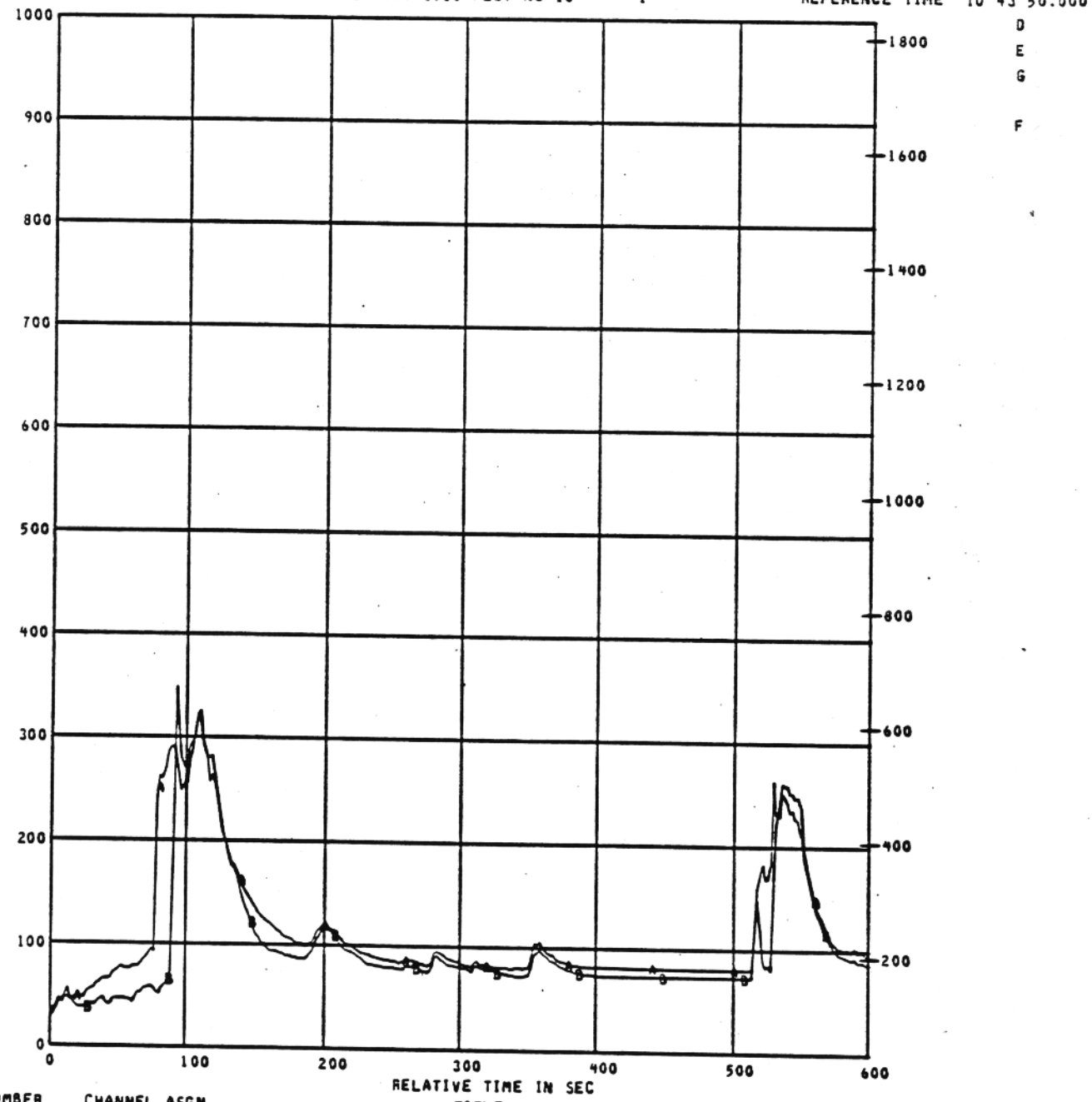
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 10 43 50.000



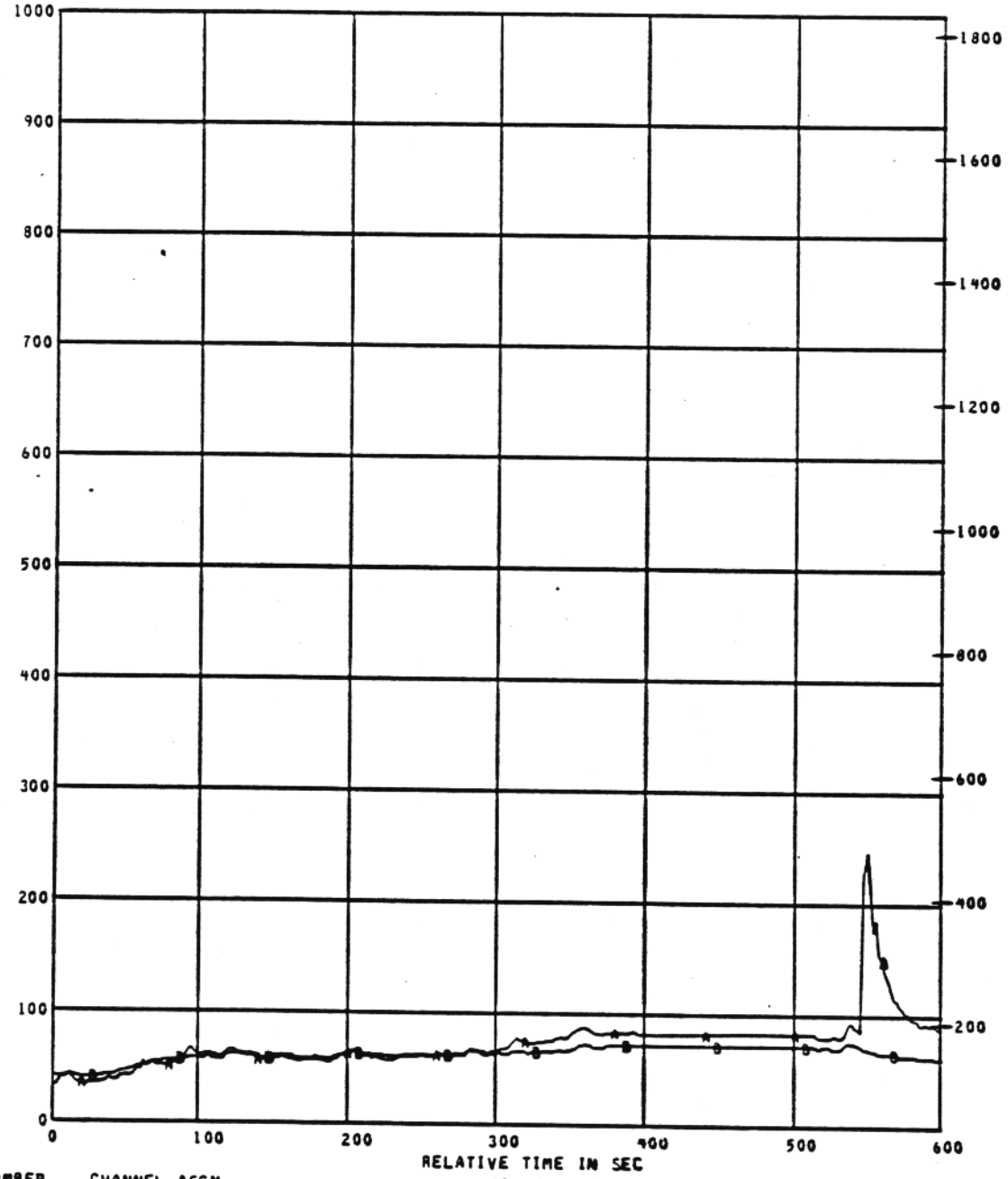
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 10 43 50.000



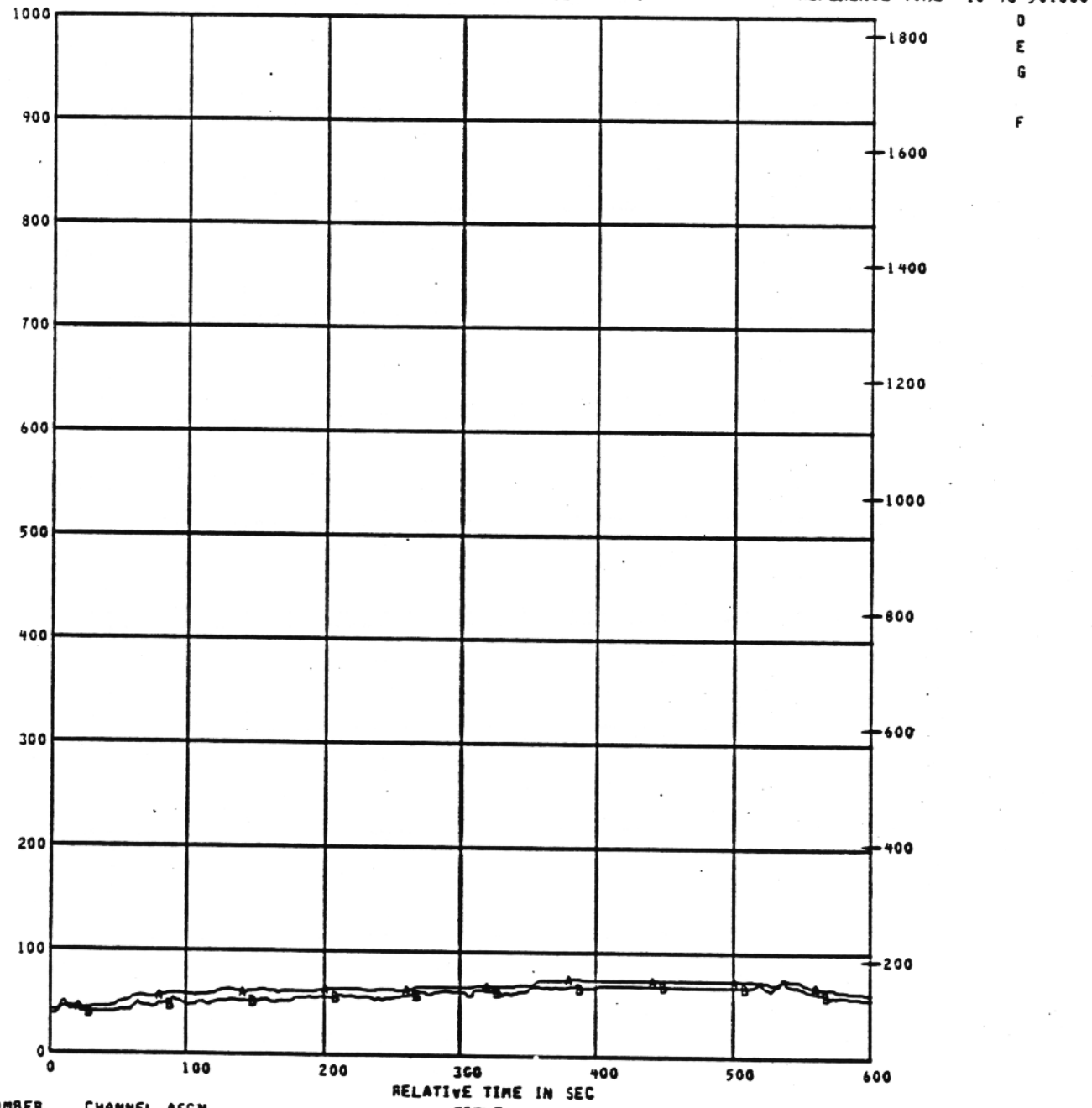
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS78 SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 10 43 50.000



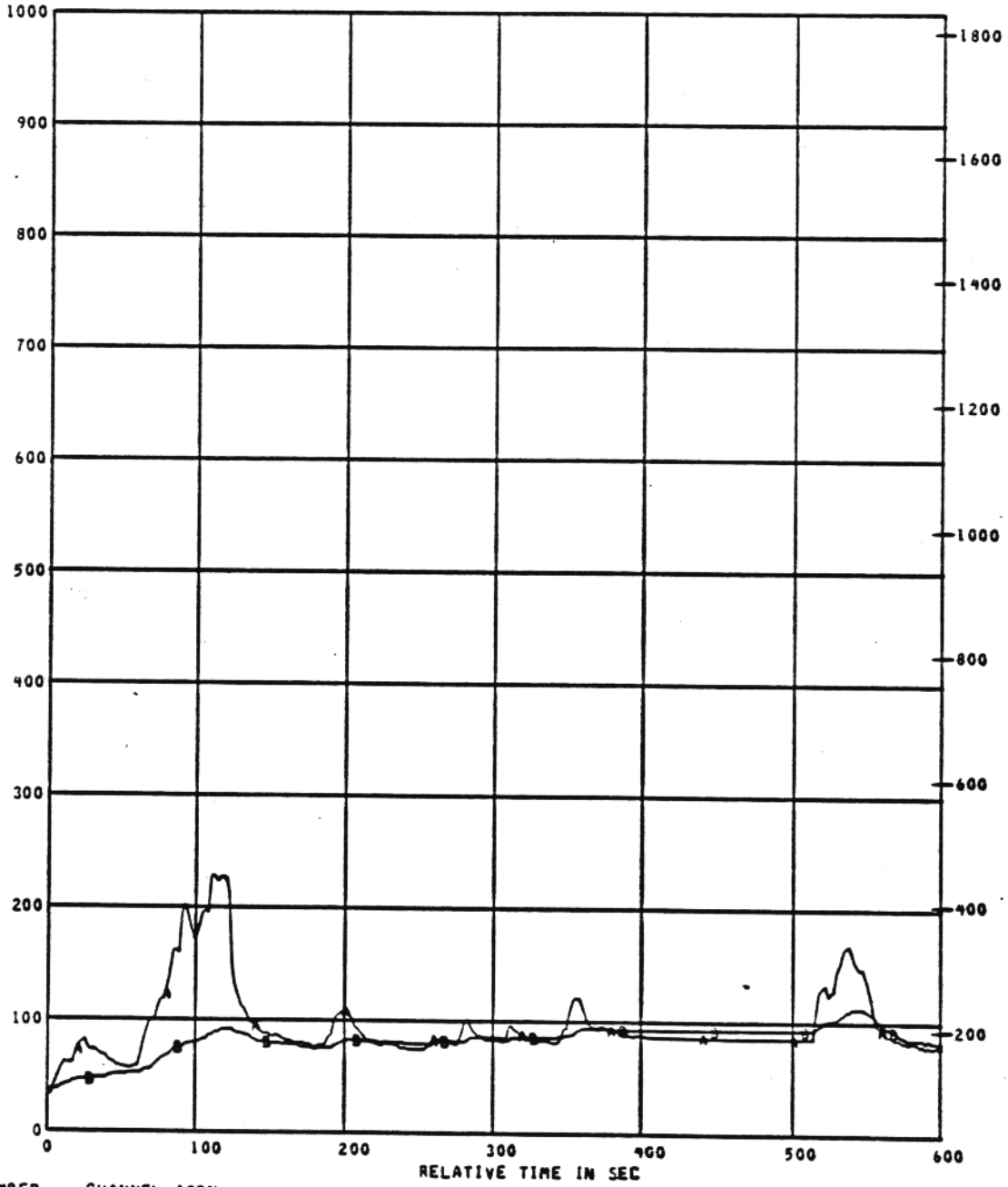
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS7B SEAT TST-OCT 1986 PLOT NO 12 - 1 REFERENCE TIME 10 43 50.000



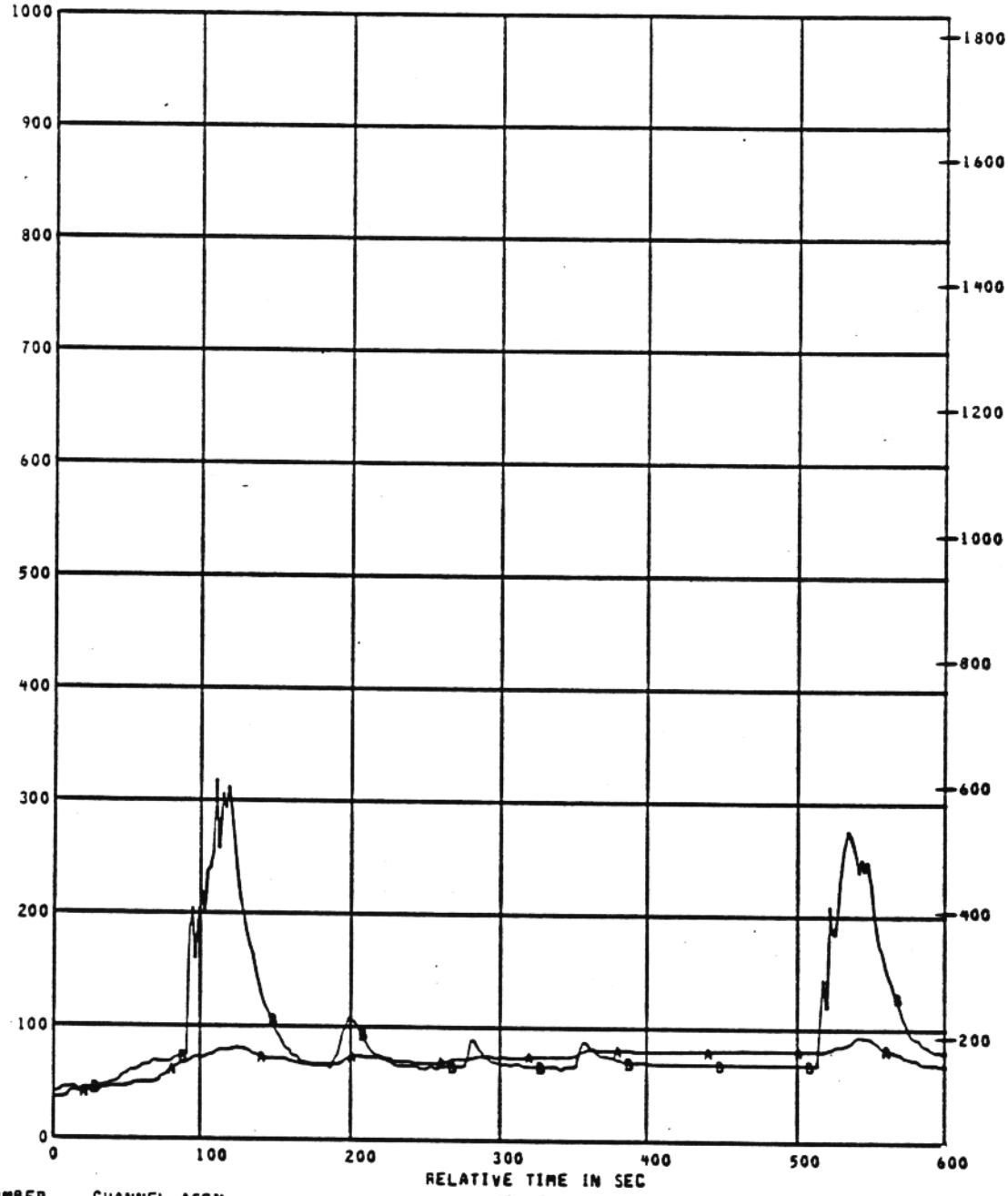
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
s TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS78 SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 10 43 50.000



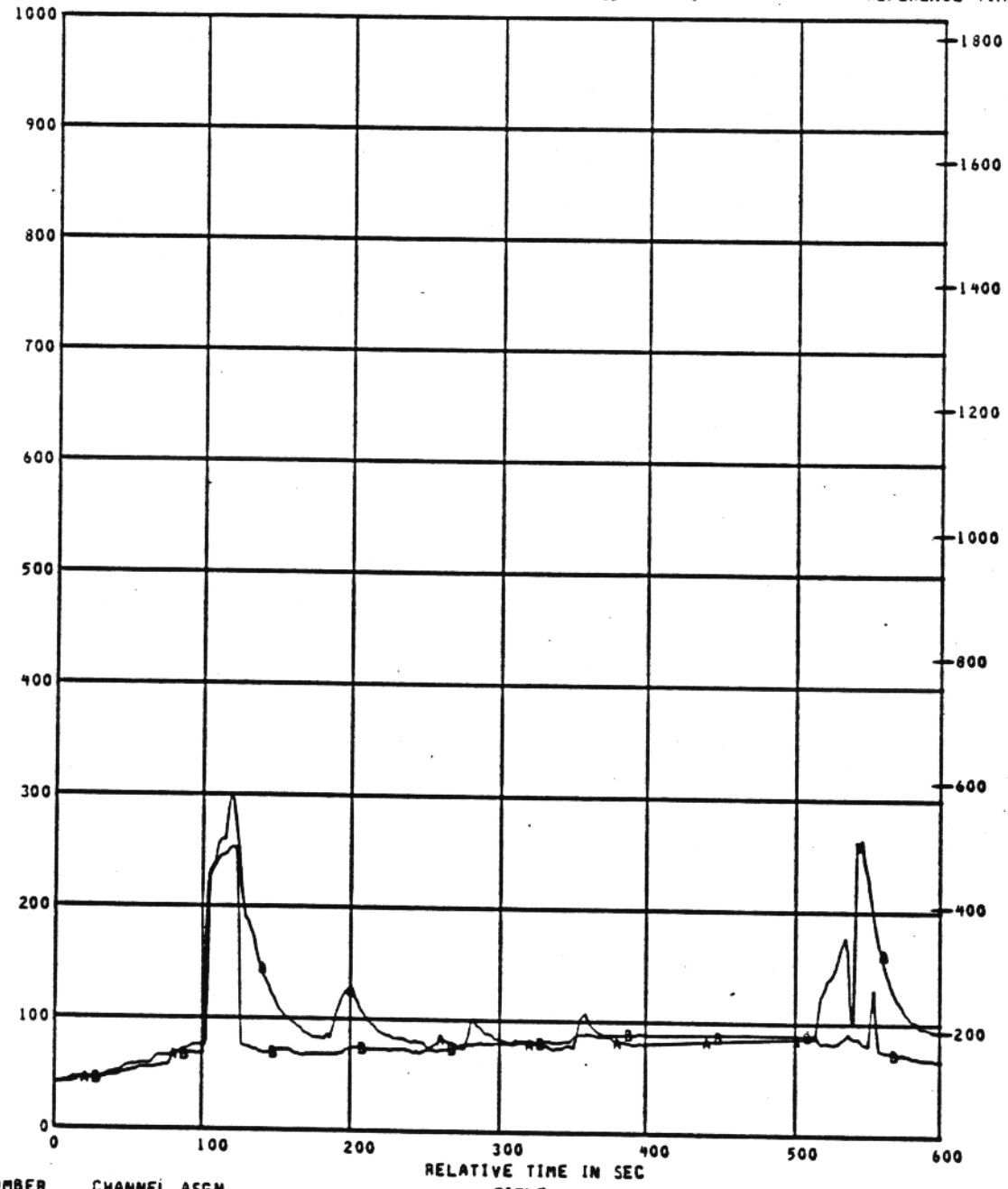
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NA57B SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 10 43 50.000



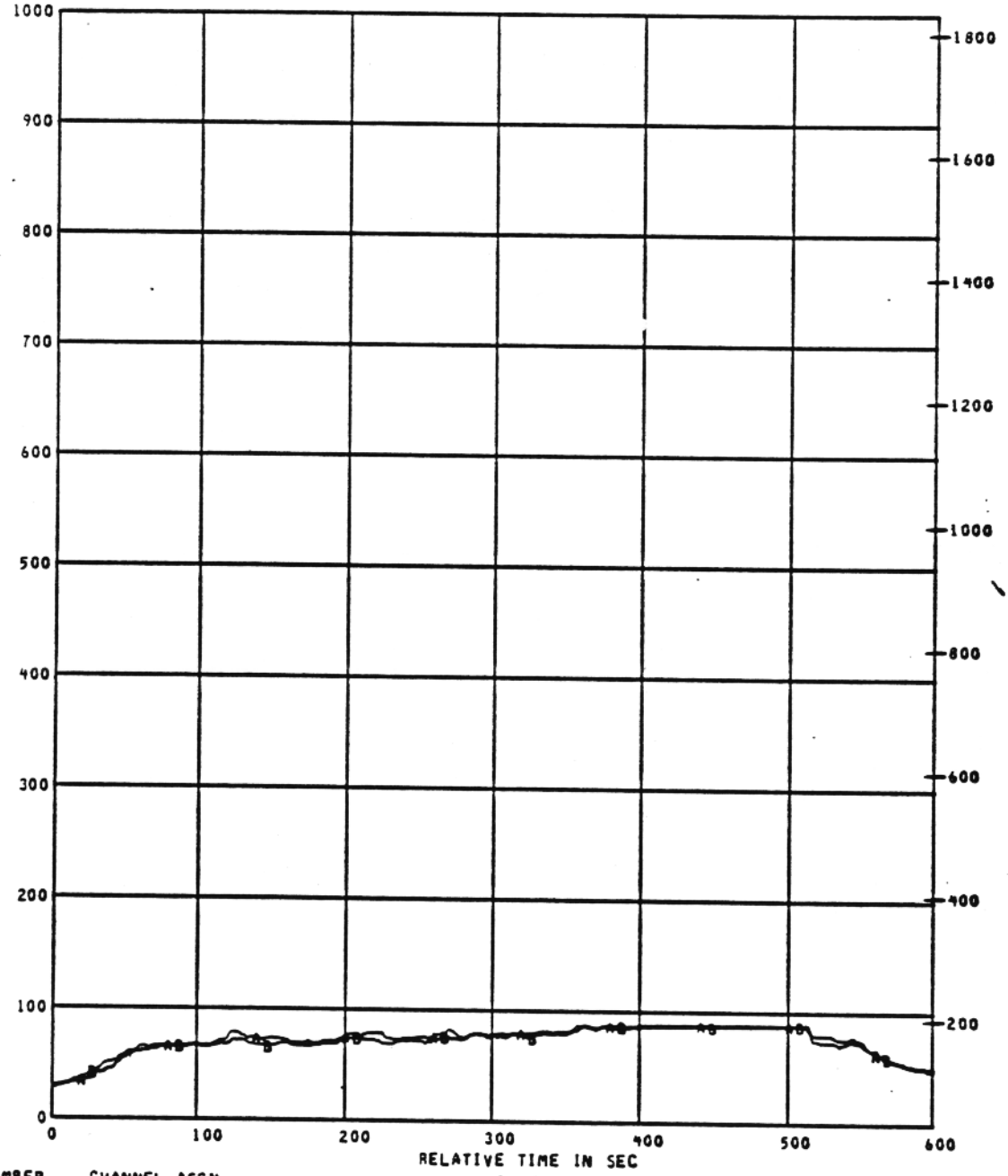
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
$ TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 10 43 50.000



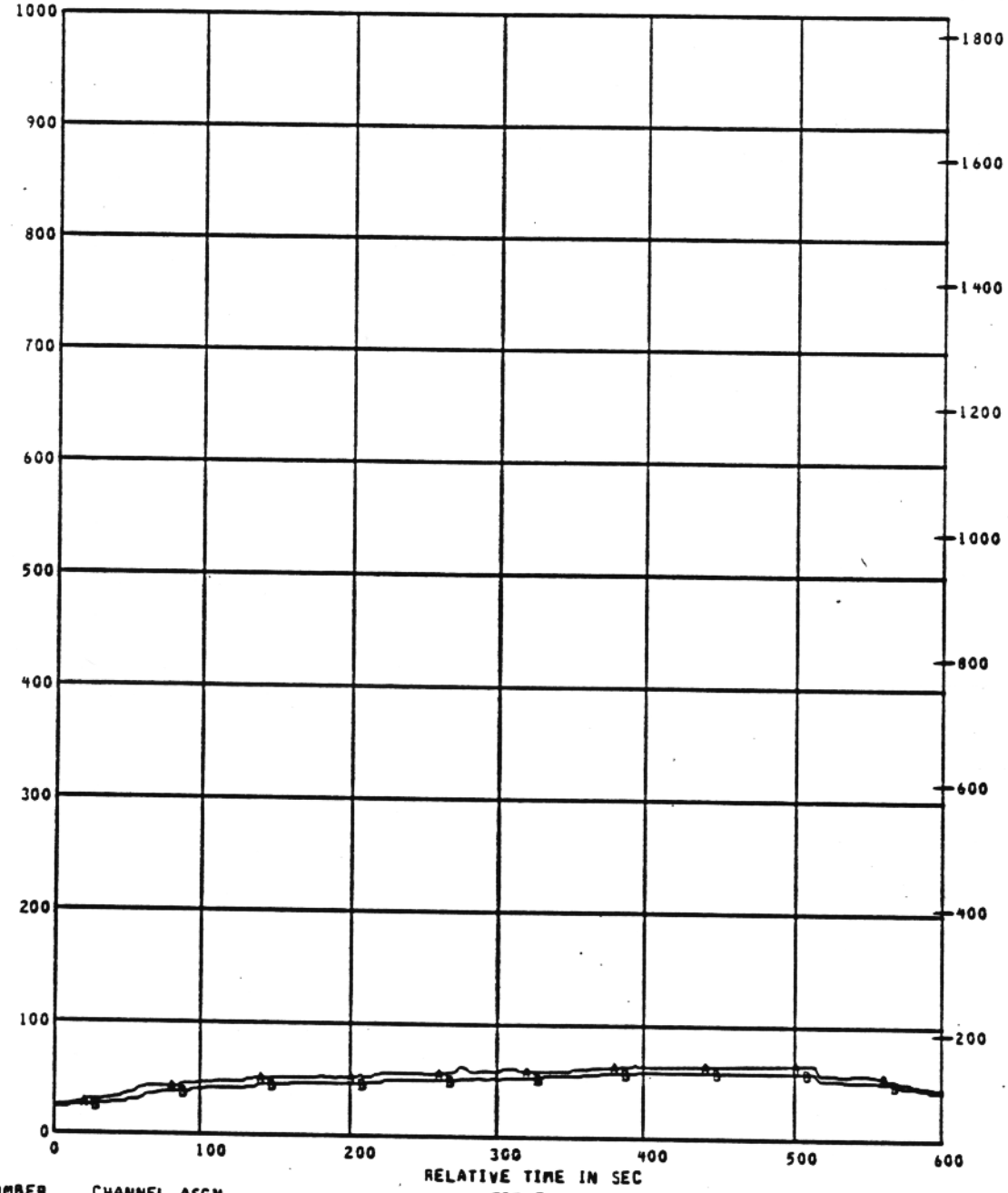
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 10 43 50.000



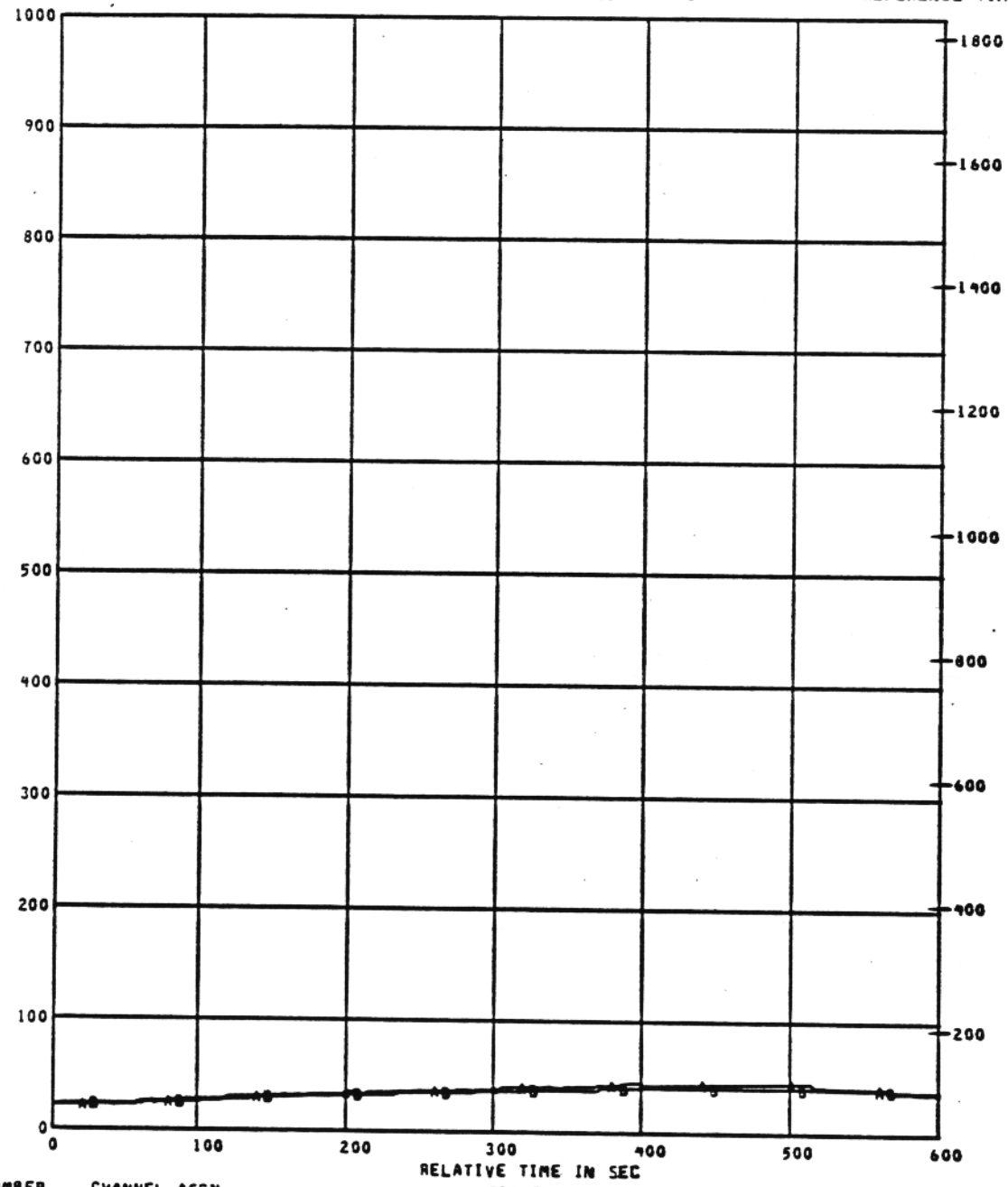
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 10 43 50.000



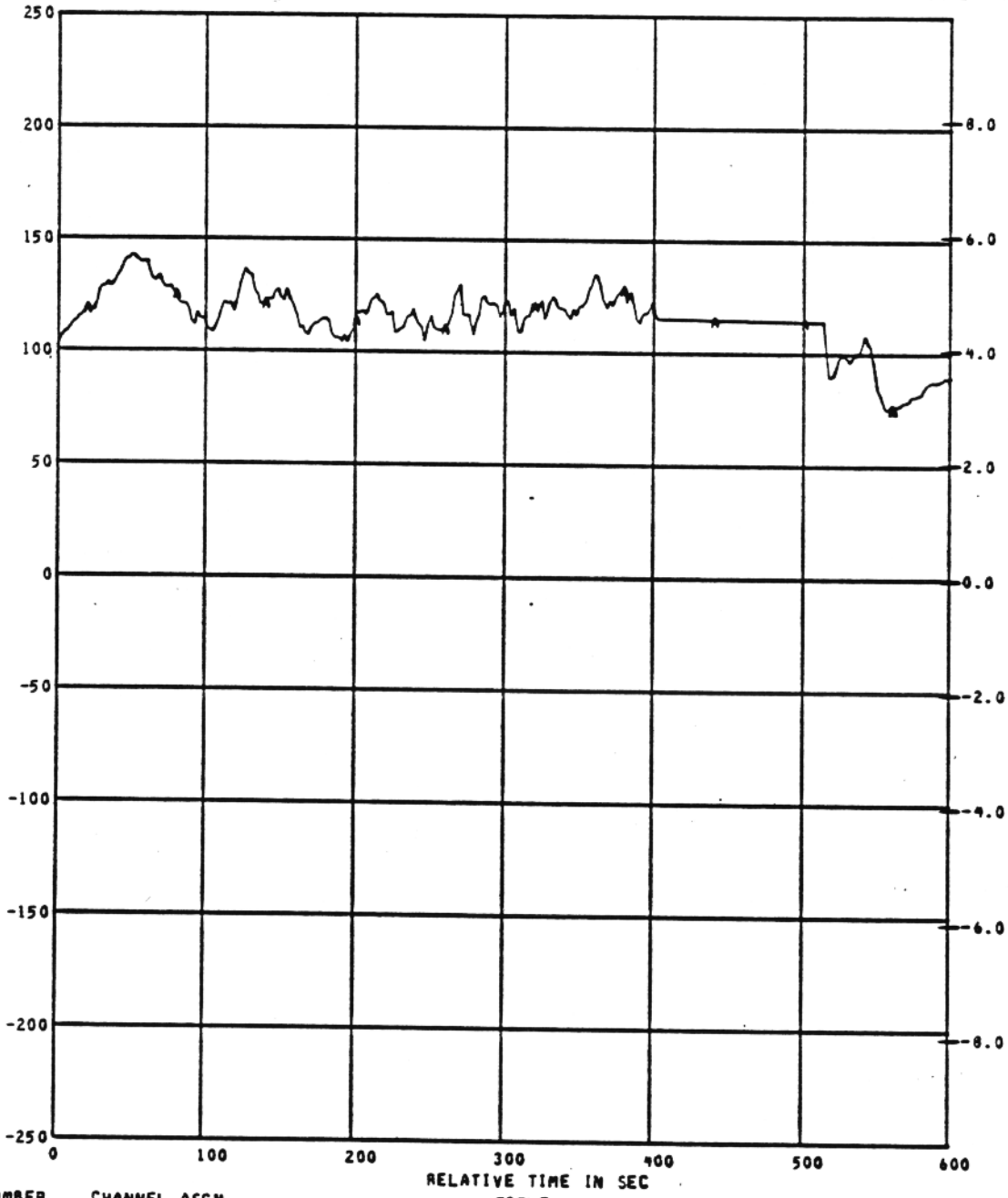
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS78 SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 10 43 50.000



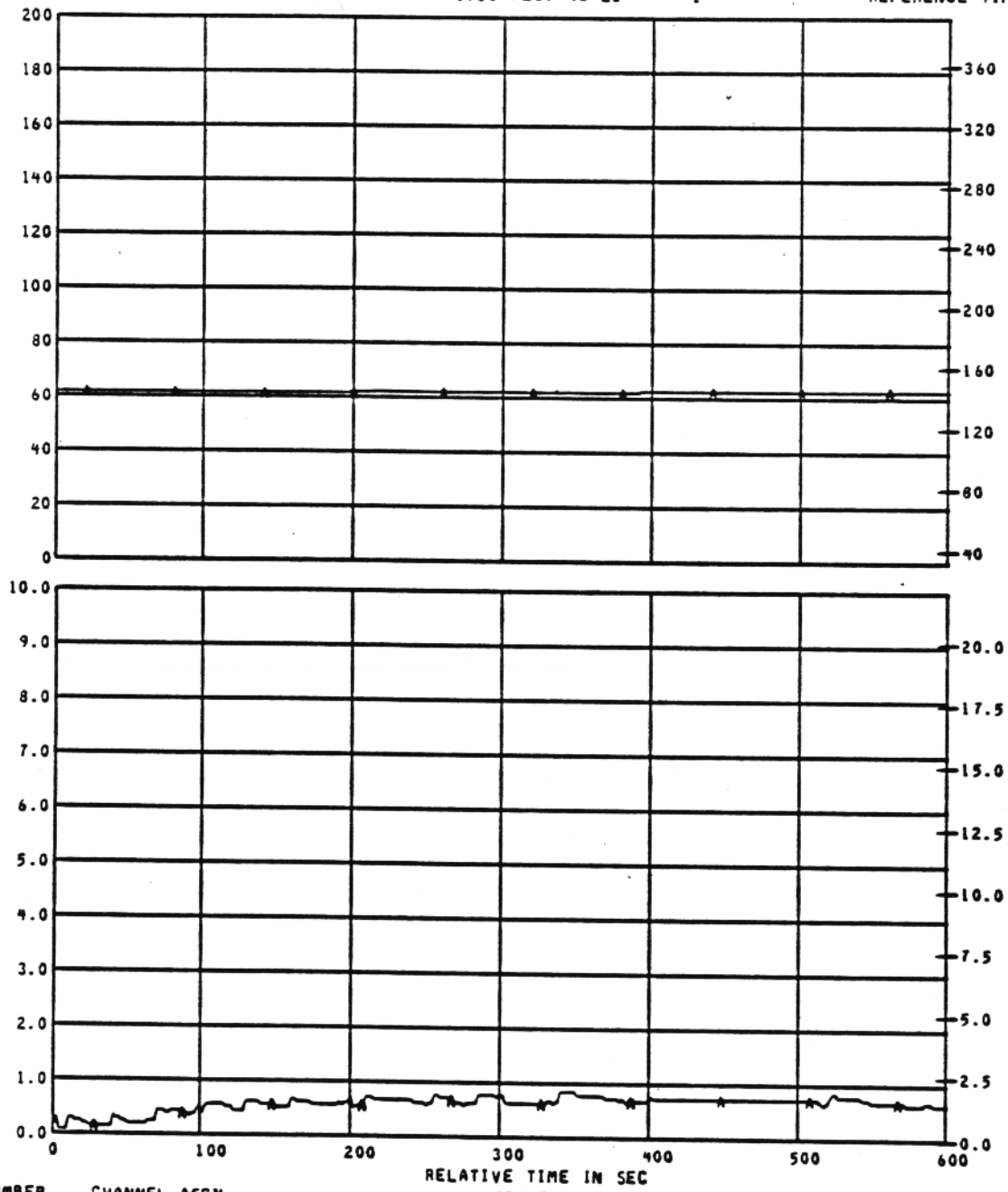
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 10 43 50.000



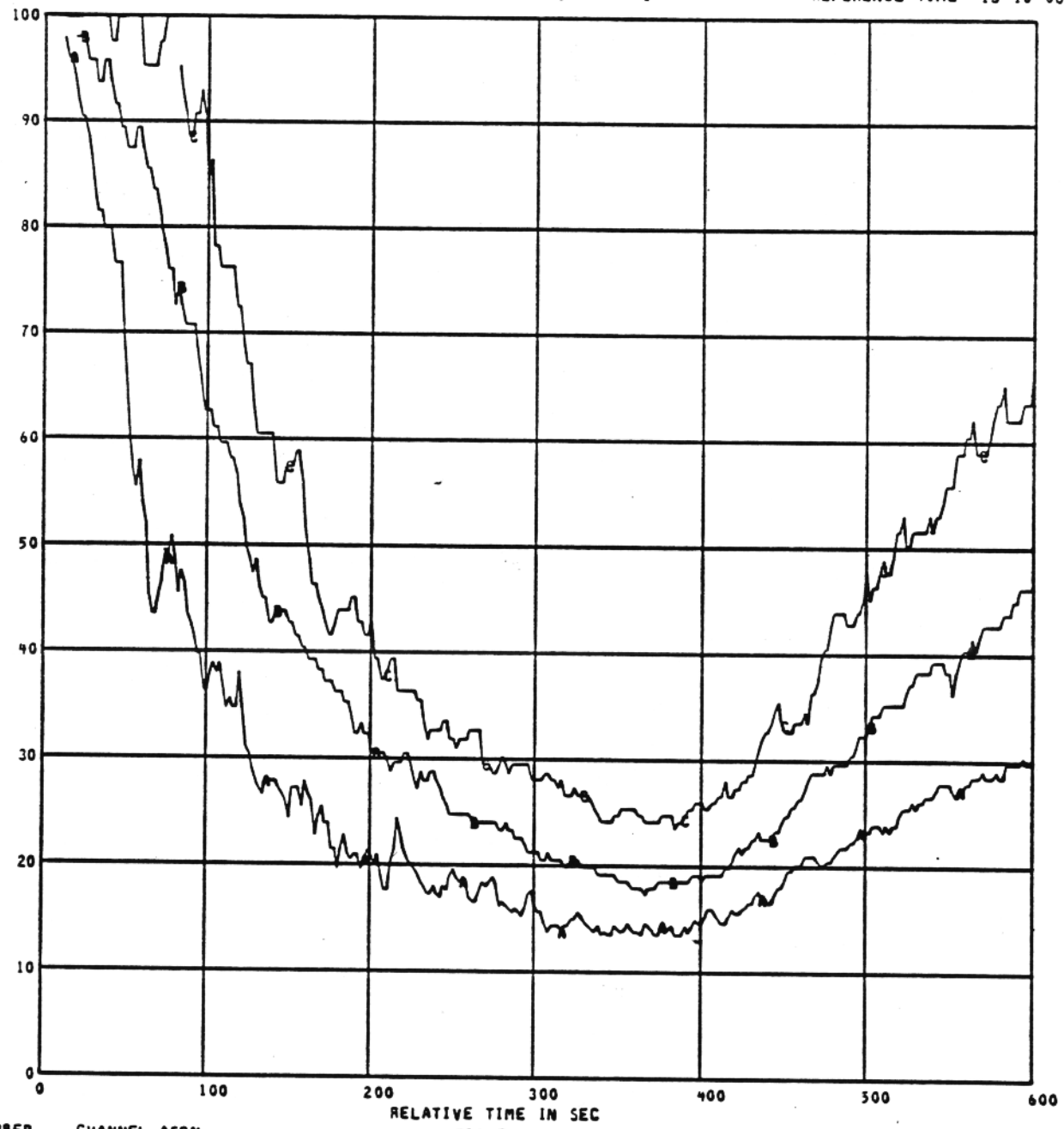
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ DPC	098	CABIN DELTA PRESSURE	-250 TO 250	MM H2O	AA

TEST ID NAS7B SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 10 43 50.000



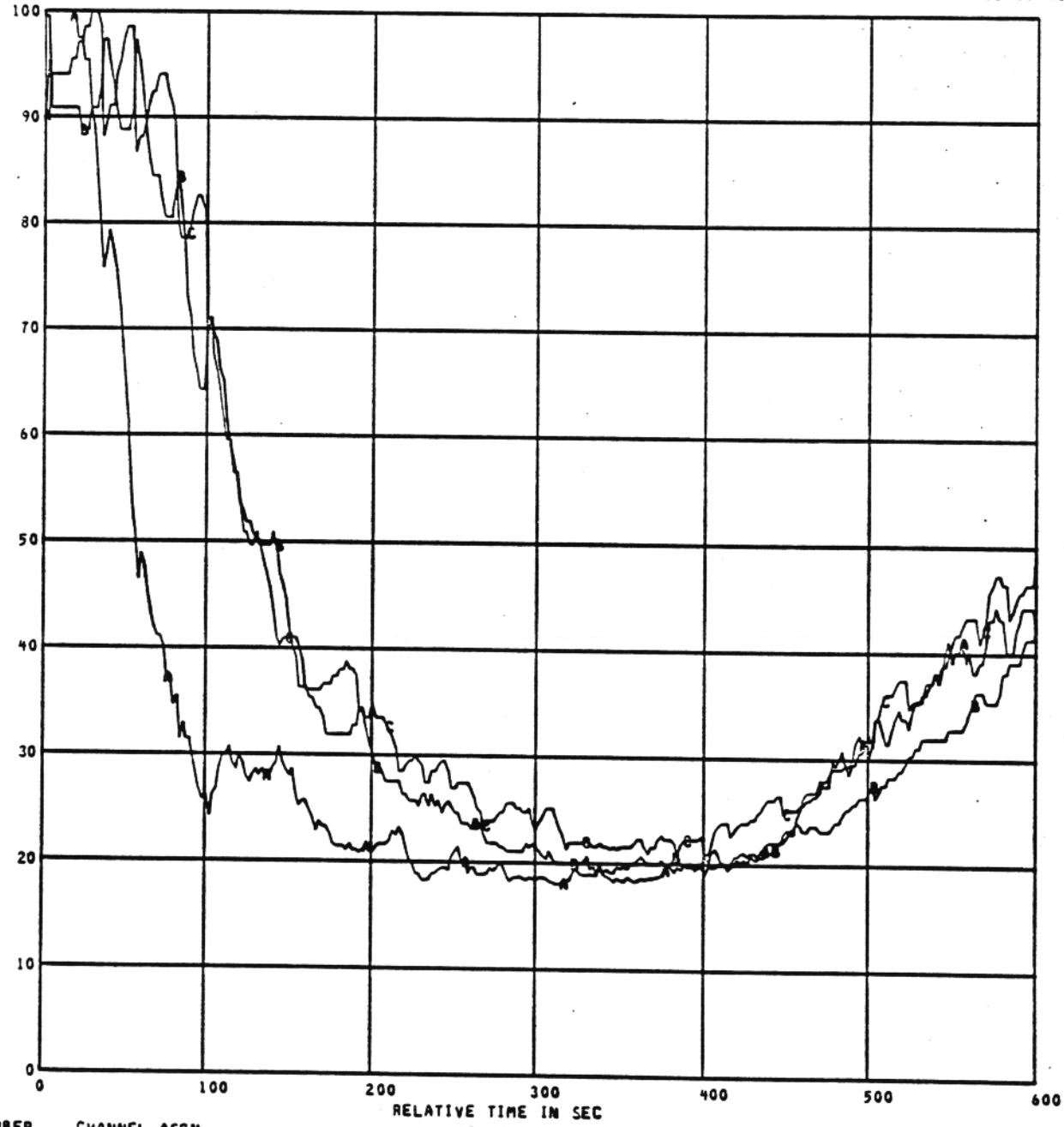
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TLC	125	TEMP-LOAD CELL	0 TO 200	DEG C	AA
s WL	149	WEIGHT LOSS	0.0 TO 10.0	KG	BA

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 13 10 08.000



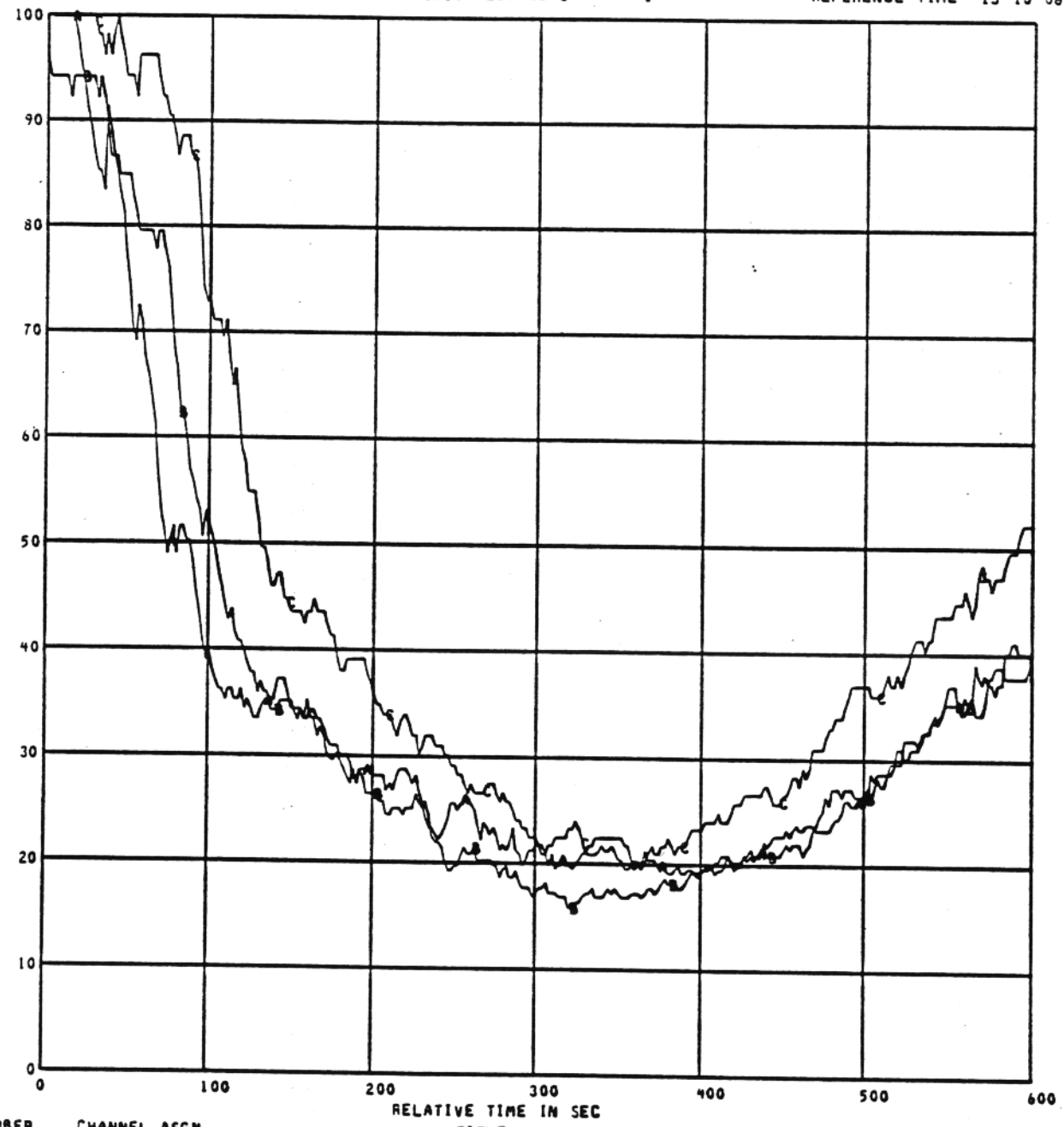
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 13 10 08.000



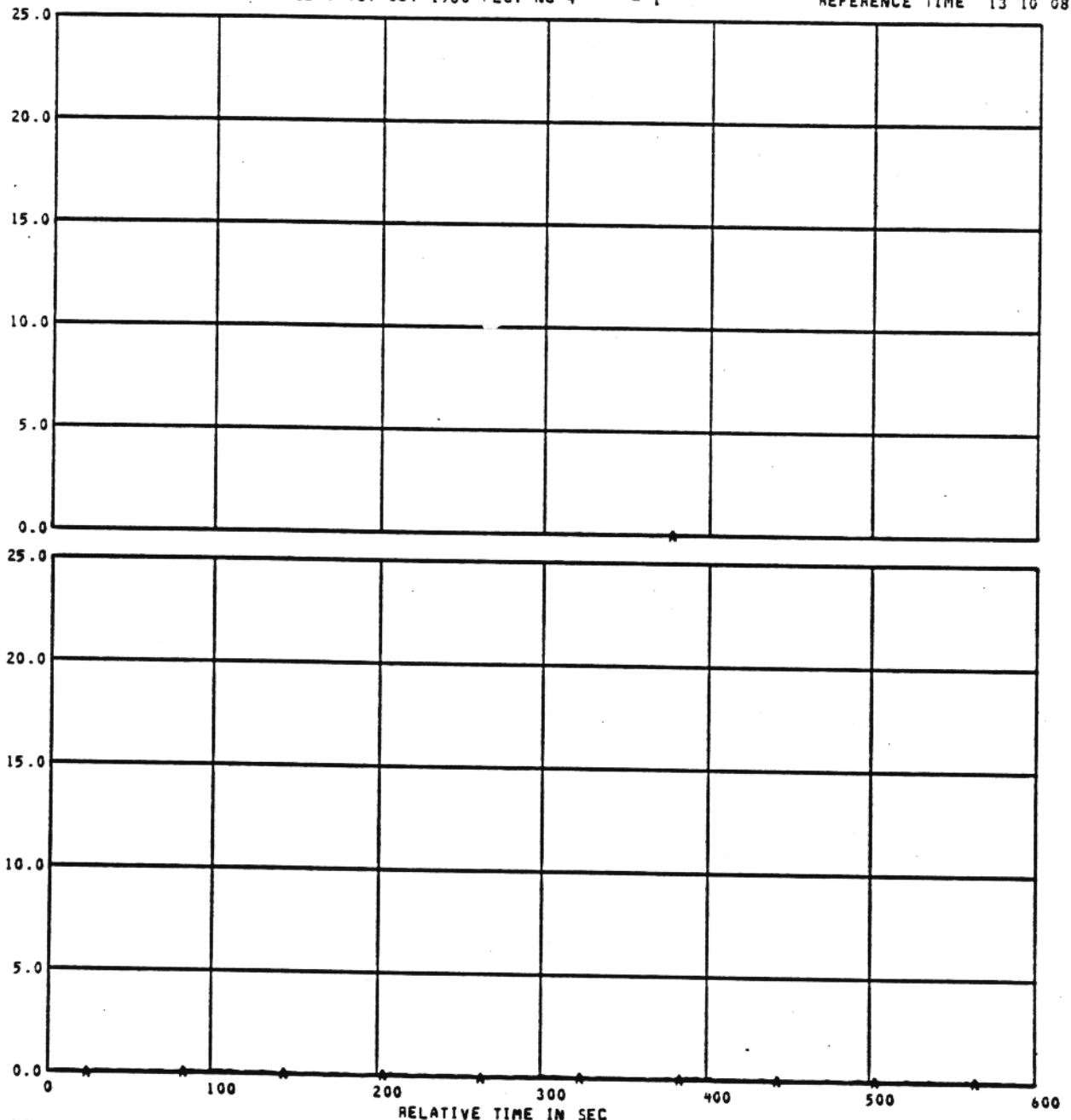
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 13 10 08.000



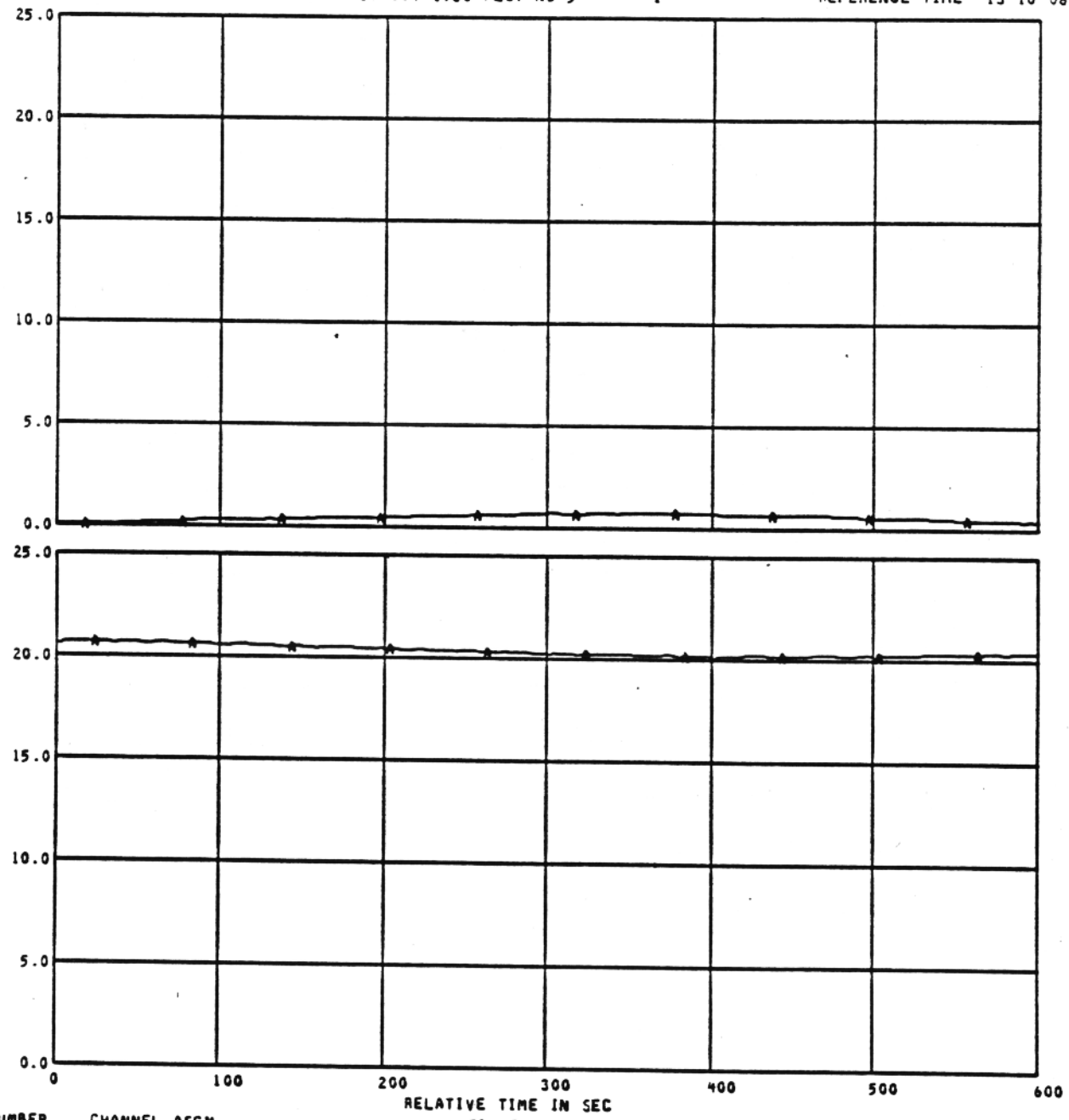
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 13 10 08.000



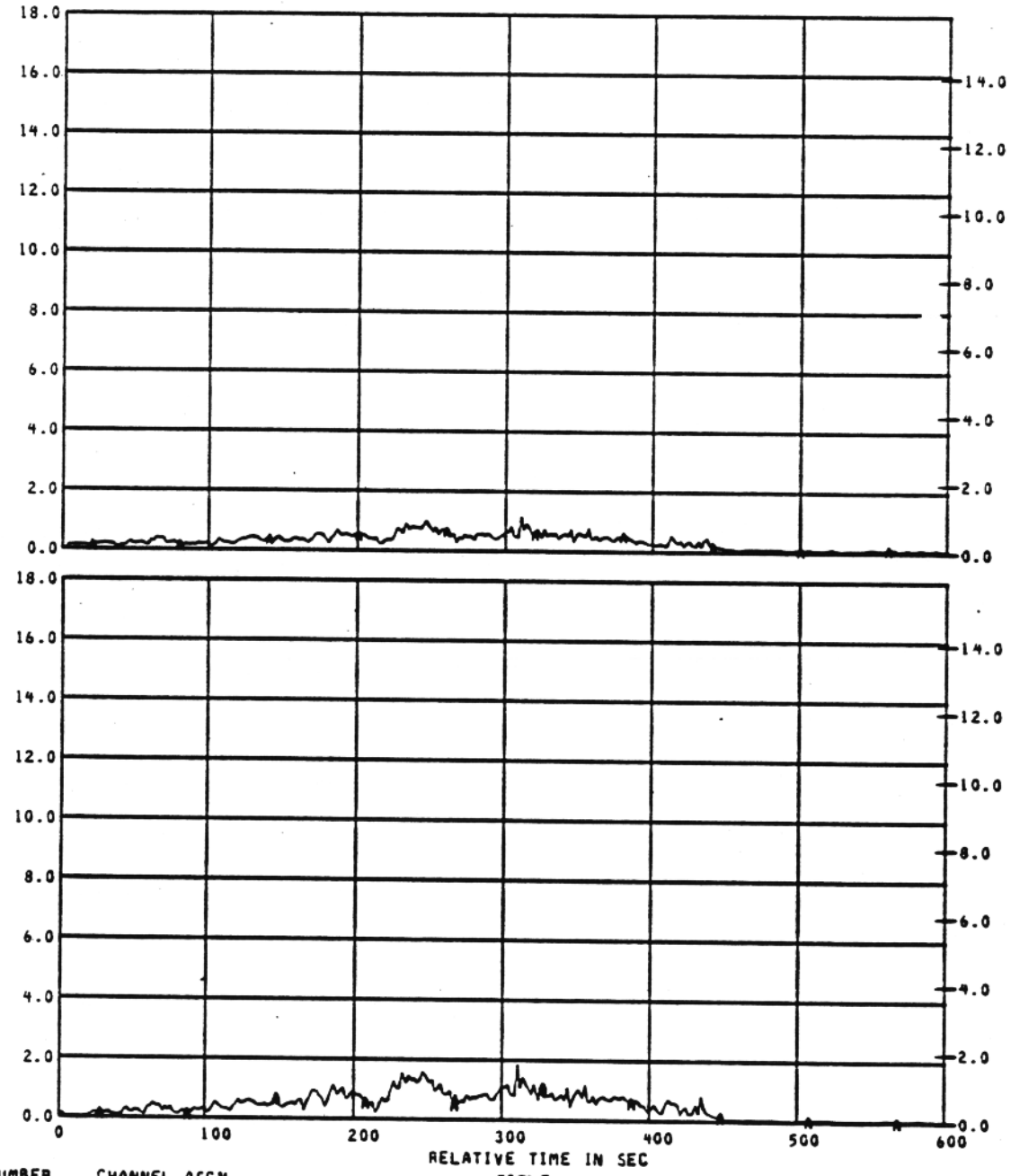
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 13 10 08.000



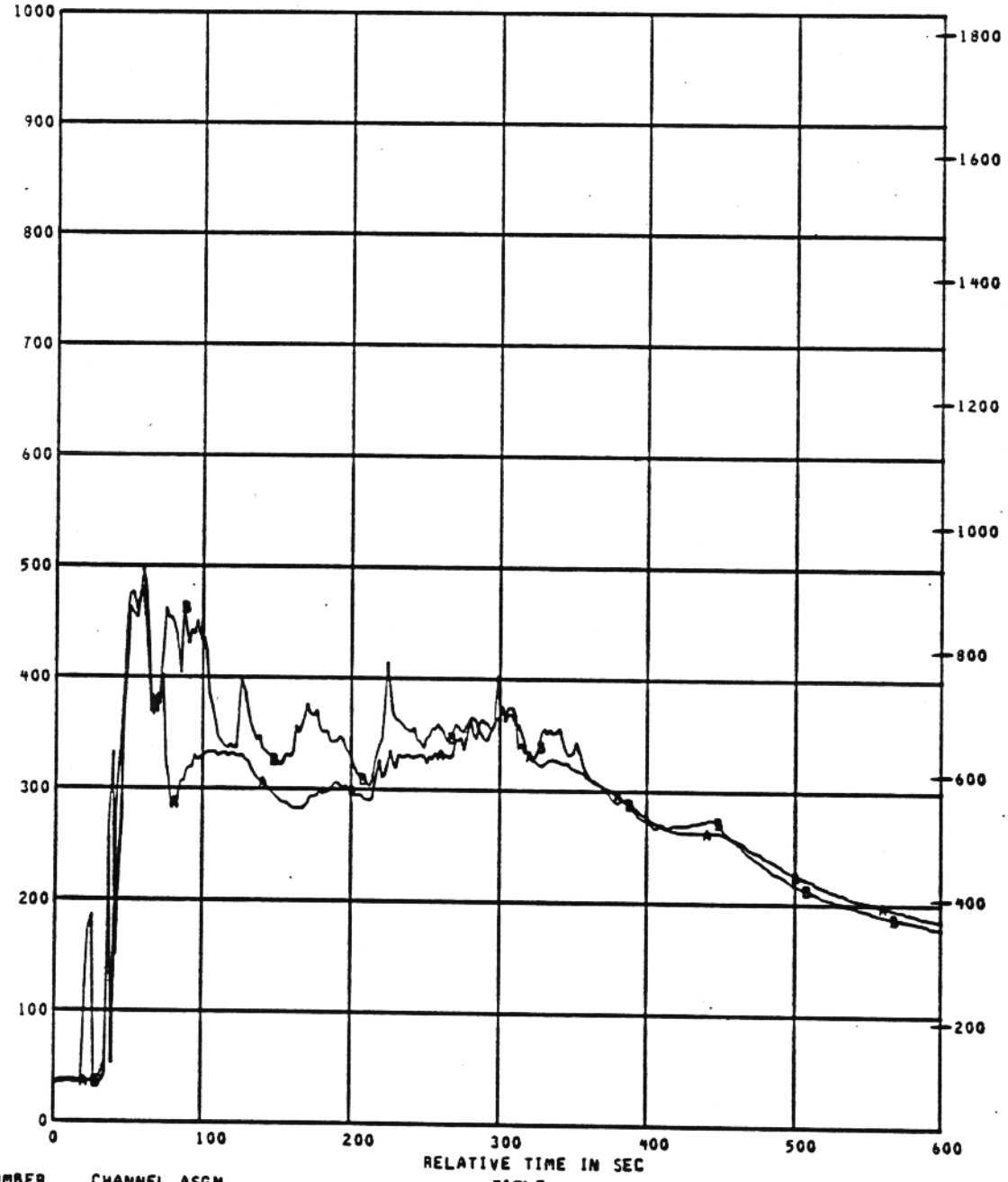
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 13 10 08.000



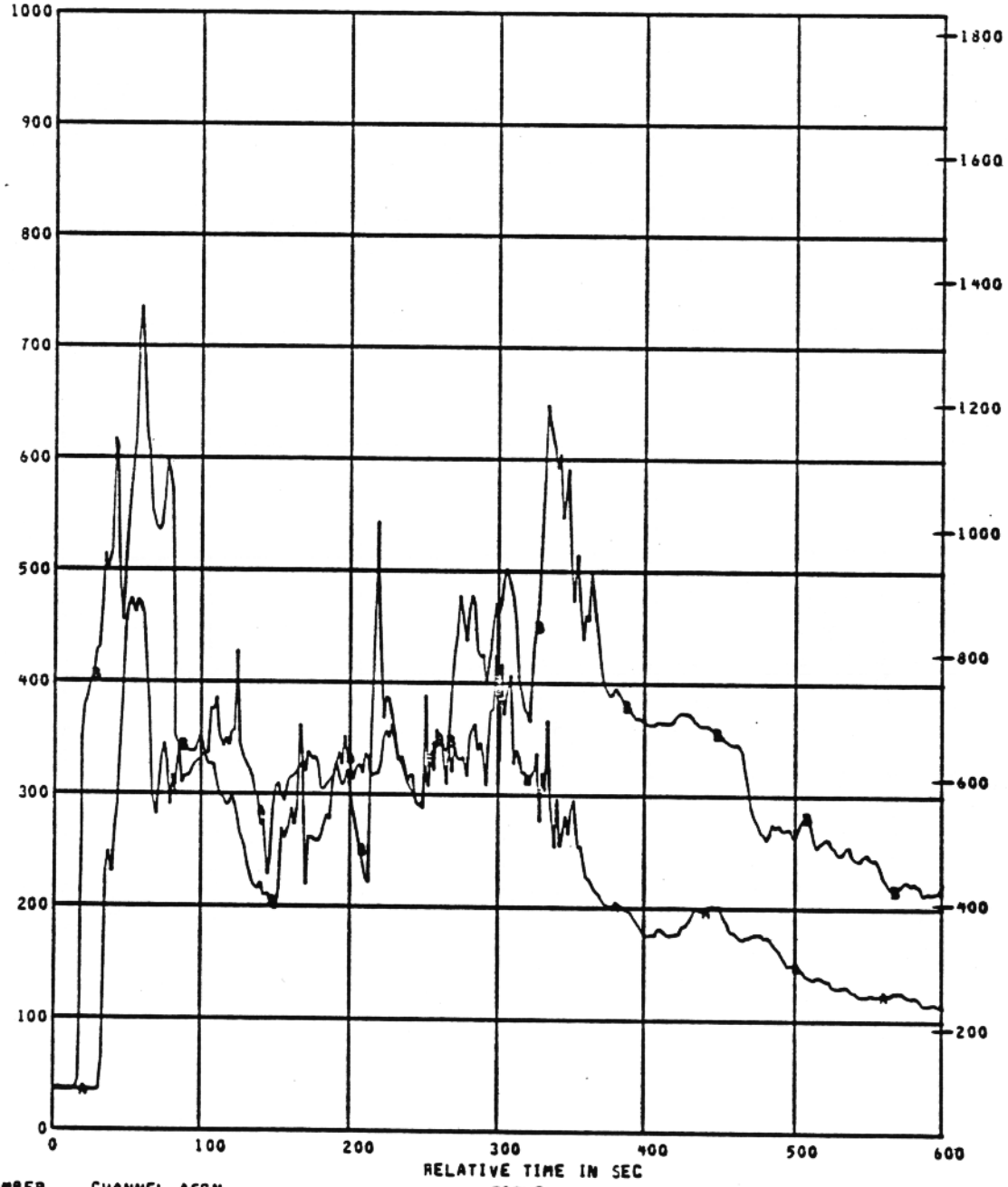
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
s CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NAS88 SEAT TST-OCT 1980 PLOT NO 7 - 1 REFERENCE TIME 13 10 08.000



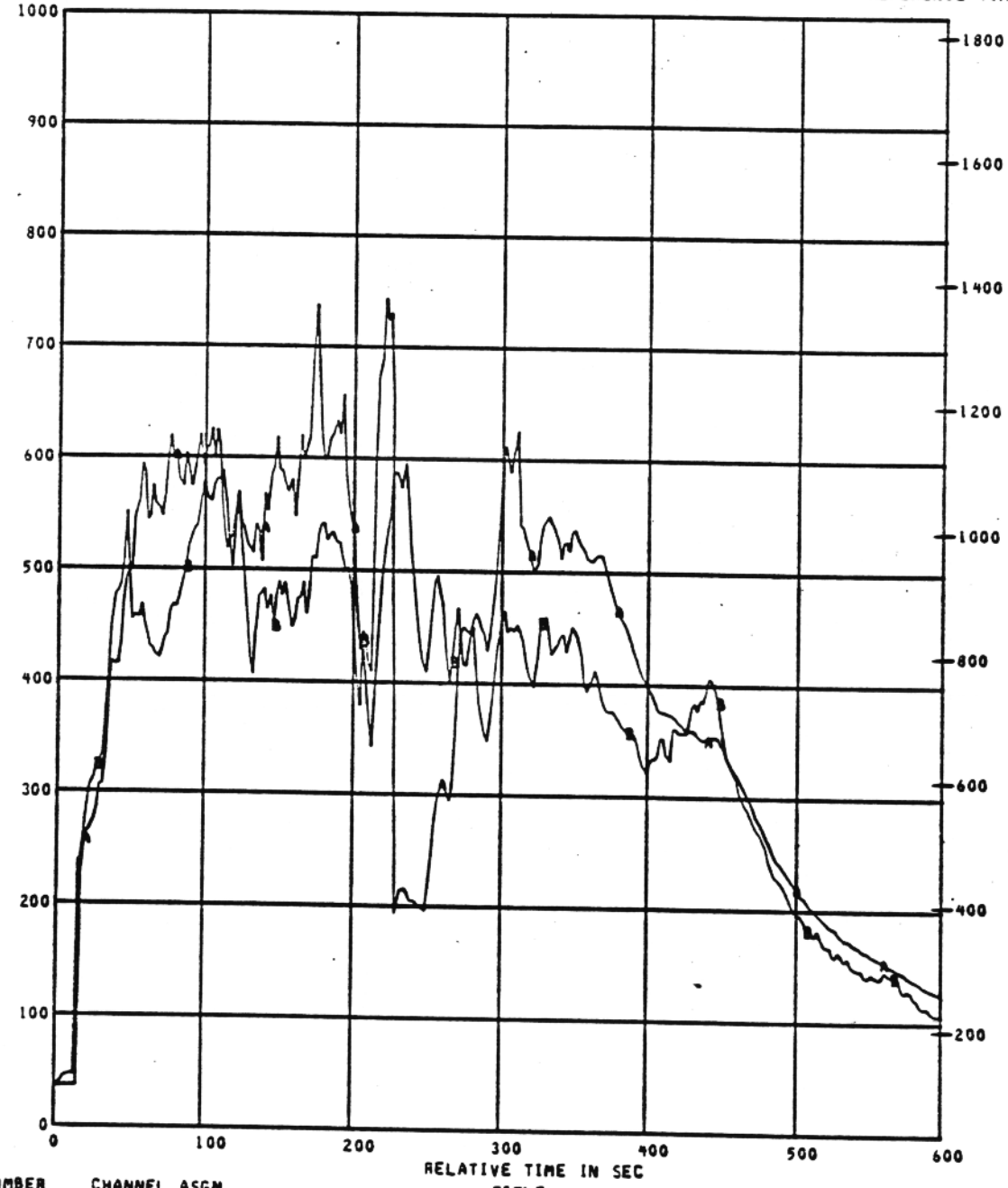
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL1	101	TEMP-SEAT LEFT FRONT	0 TO 1000	DEG C	AA
$ TSL2	102	TEMP-SEAT LEFT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS88 SEAT TST-OCT 1980 PLOT NO 8 - 1 REFERENCE TIME 13 10 08.000



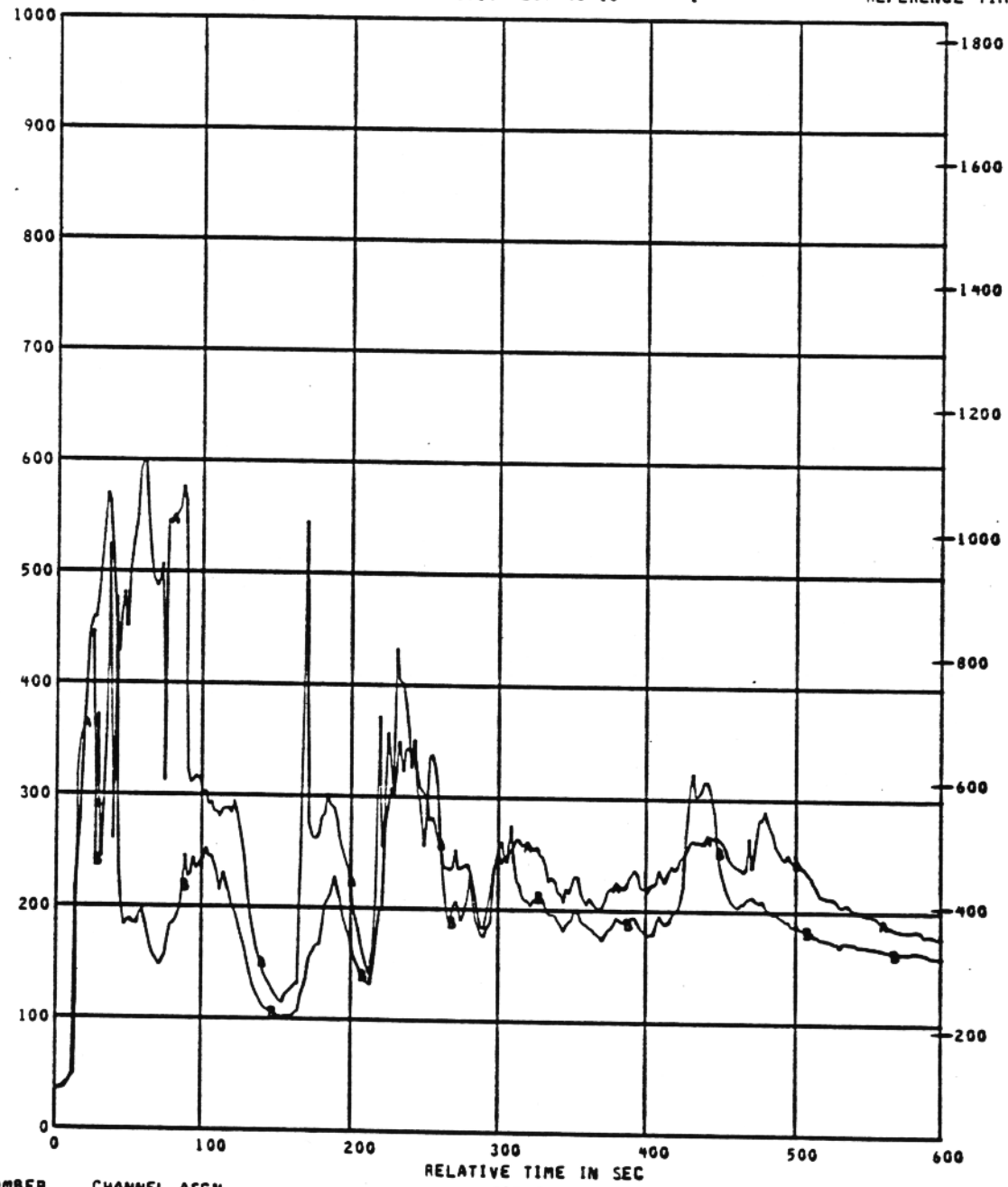
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSL3	103	TEMP-SEAT LEFT REAR	0 TO 1000	DEG C	AA
$ TSC1	104	TEMP-SEAT CENTER FRONT	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 9 - 1 REFERENCE TIME 13 10 08.000



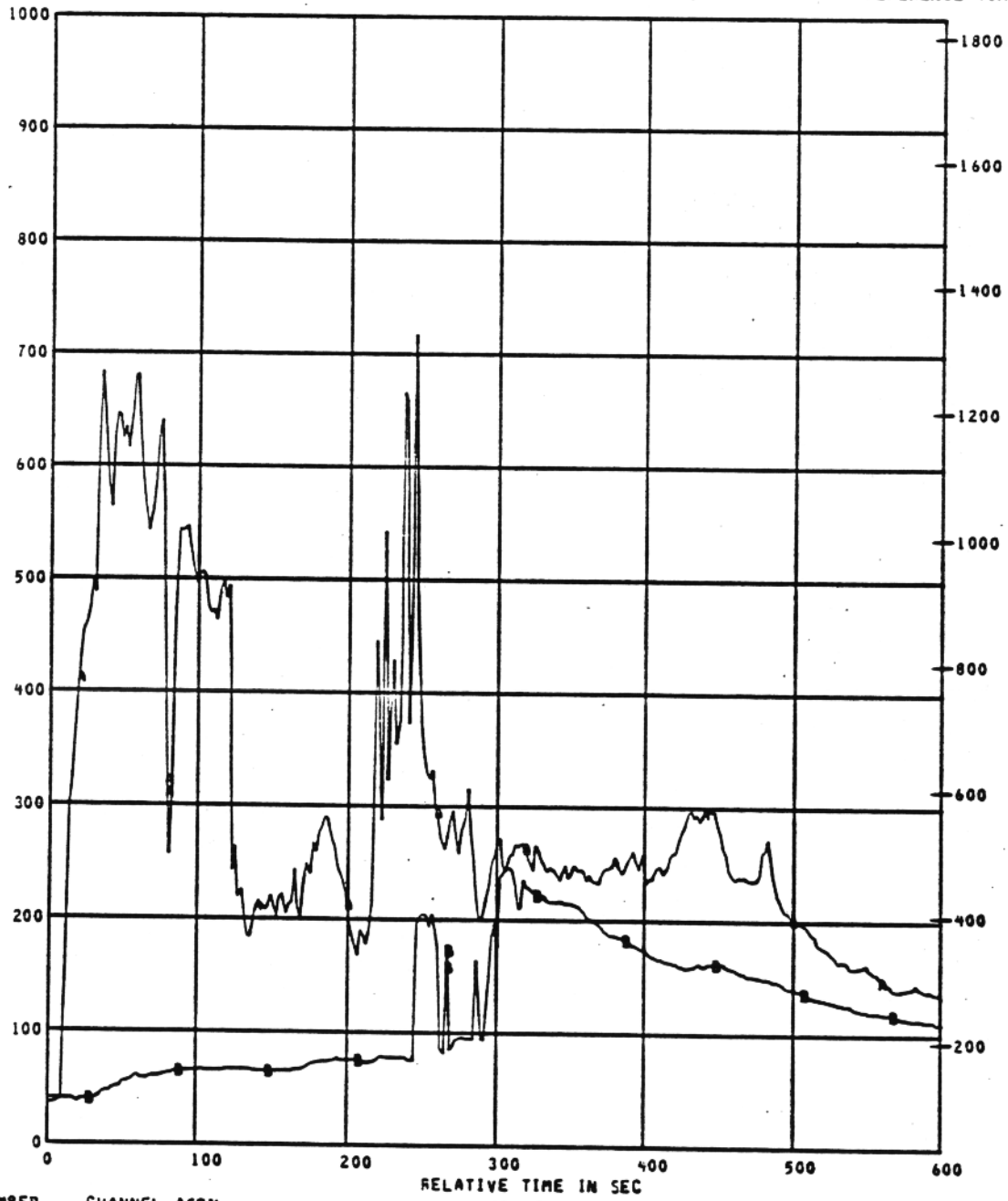
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSC2	105	TEMP-SEAT CENTER MIDDLE	0 TO 1000	DEG C	AA
$ TSC3	106	TEMP-SEAT CENTER REAR	0 TO 1000	DEG C	AB

TEST ID NAS88 SEAT TST-OCT 1980 PLOT NO 10 - 1 REFERENCE TIME 13 10 08.000



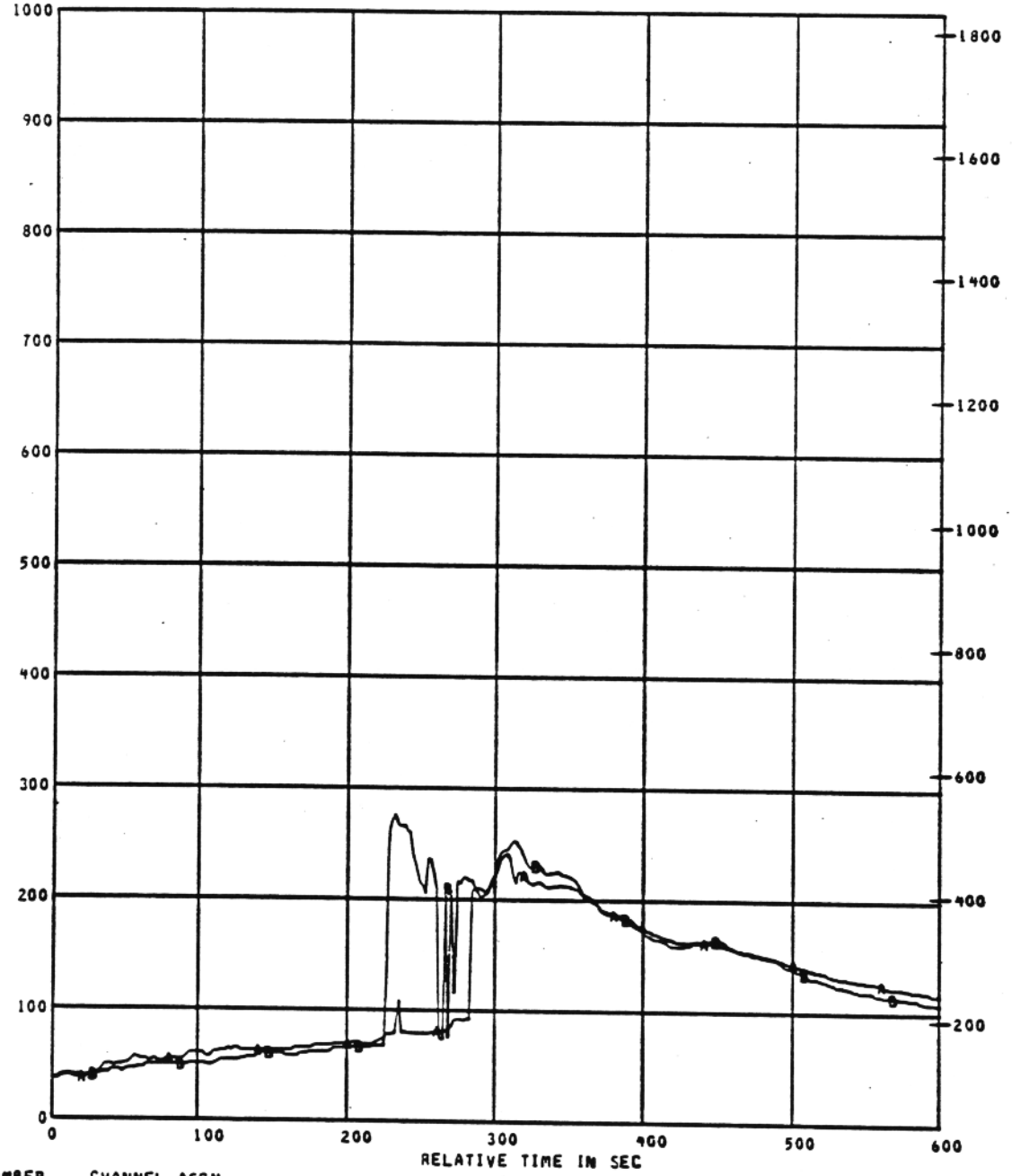
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR1	107	TEMP-SEAT RIGHT FRONT	0 TO 1000	DEG C	AA
$ TSR2	108	TEMP-SEAT RIGHT MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 11 - 1 REFERENCE TIME 13 10 08.000



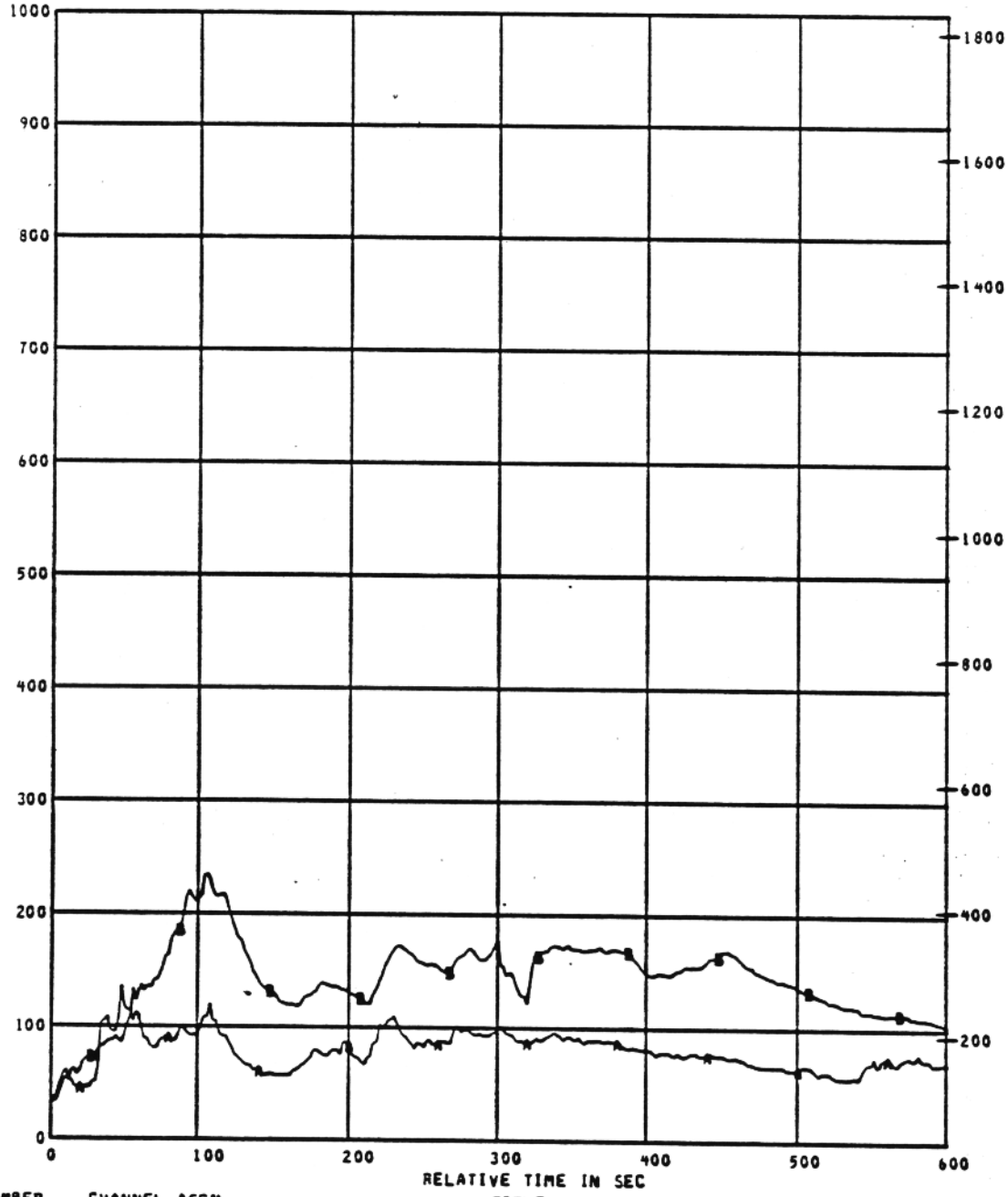
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TSR3	109	TEMP-SEAT RIGHT REAR	0 TO 1000	DEG C	AA
$ TBL1	110	TEMP-BACK LEFT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 12 - 1 REFERENCE TIME 13 10 08.000



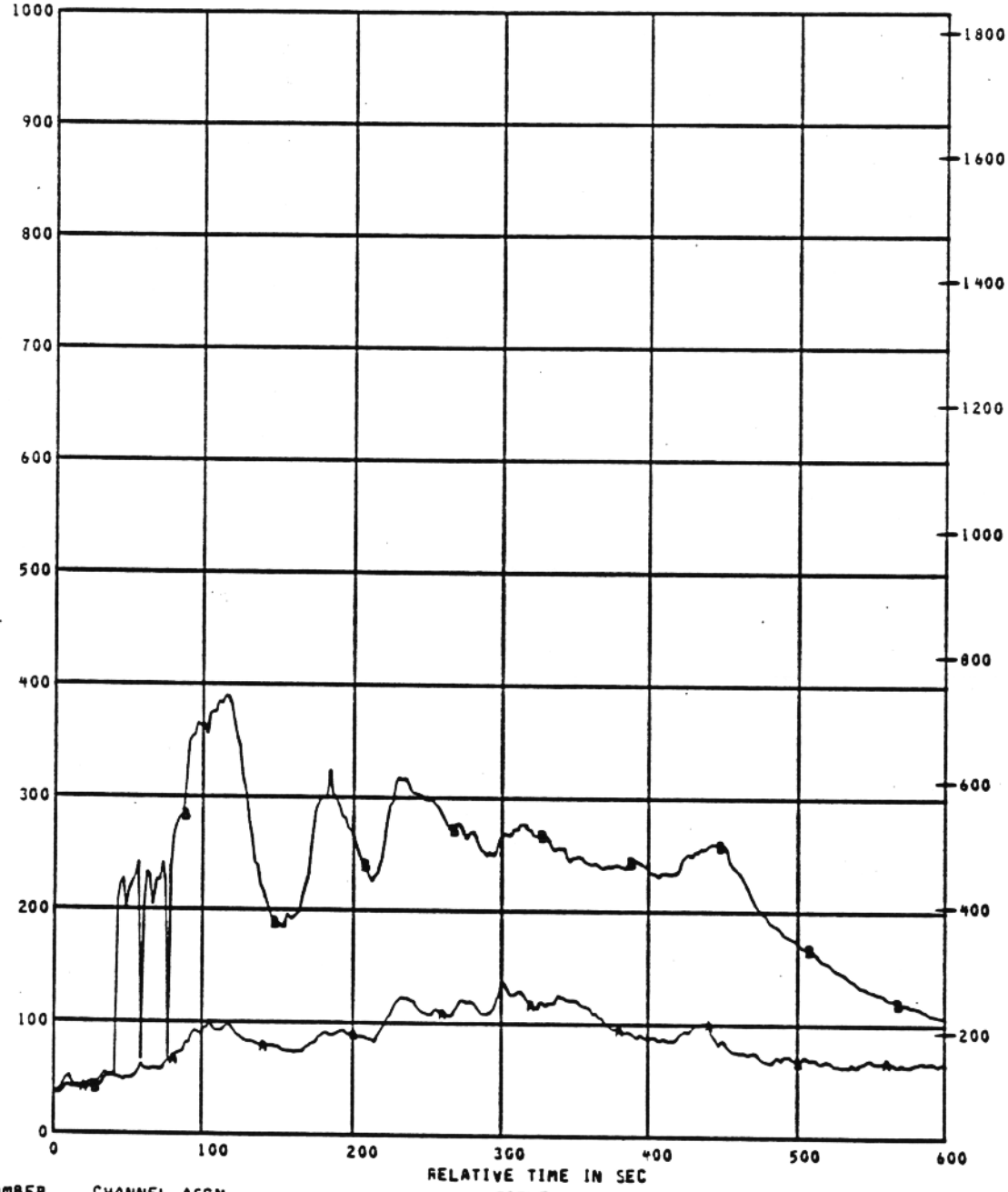
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBL2	111	TEMP-BACK LEFT MIDDLE	0 TO 1000	DEG C	AA
$ TBL3	112	TEMP-BACK LEFT TOP	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 13 - 1 REFERENCE TIME 13 10 08.000



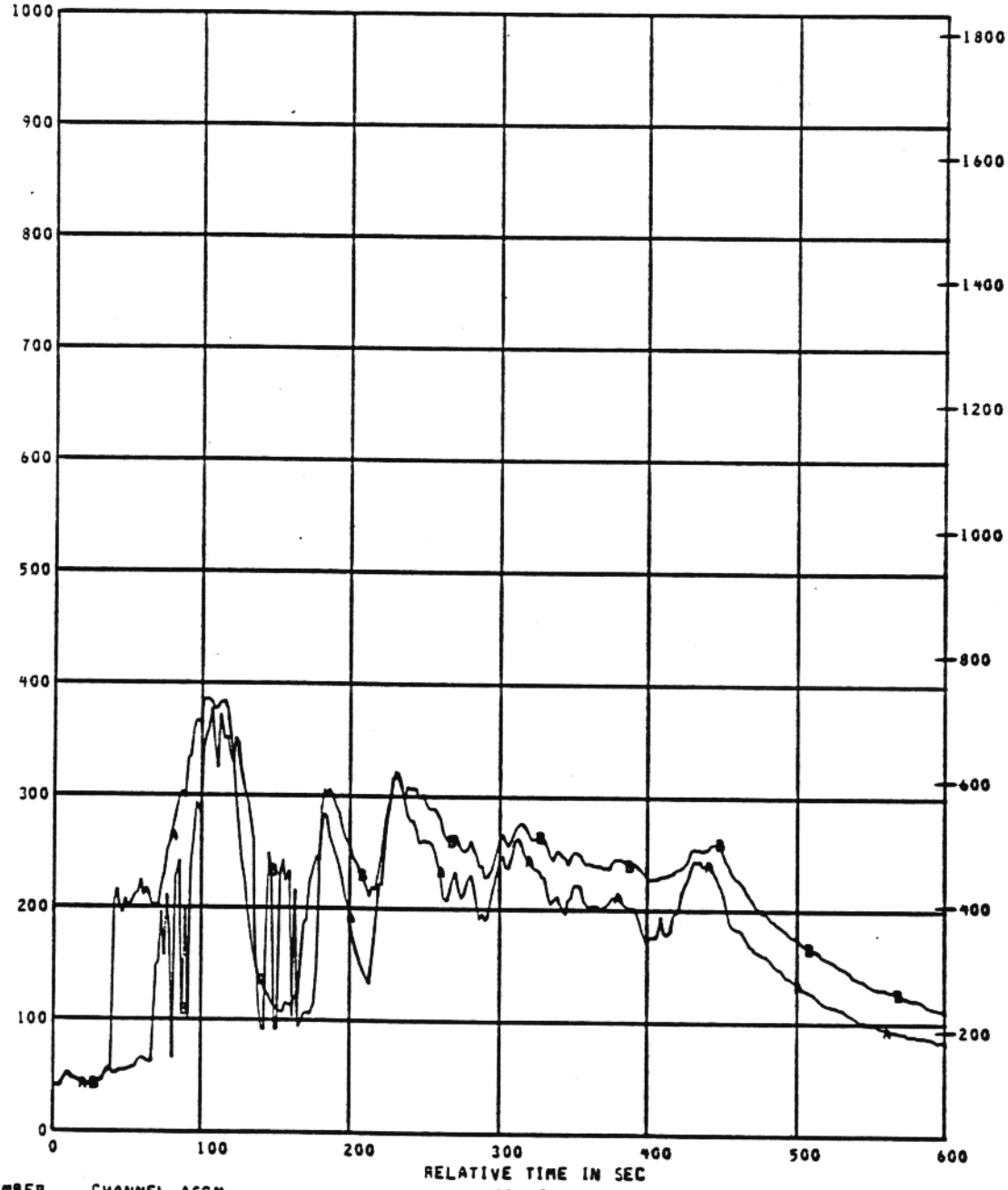
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBC1	113	TEMP-BACK CENTER BOTTOM	0 TO 1000	DEG C	AA
$ TBC2	114	TEMP-BACK CENTER MIDDLE	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 14 - 1 REFERENCE TIME 13 10 08.000



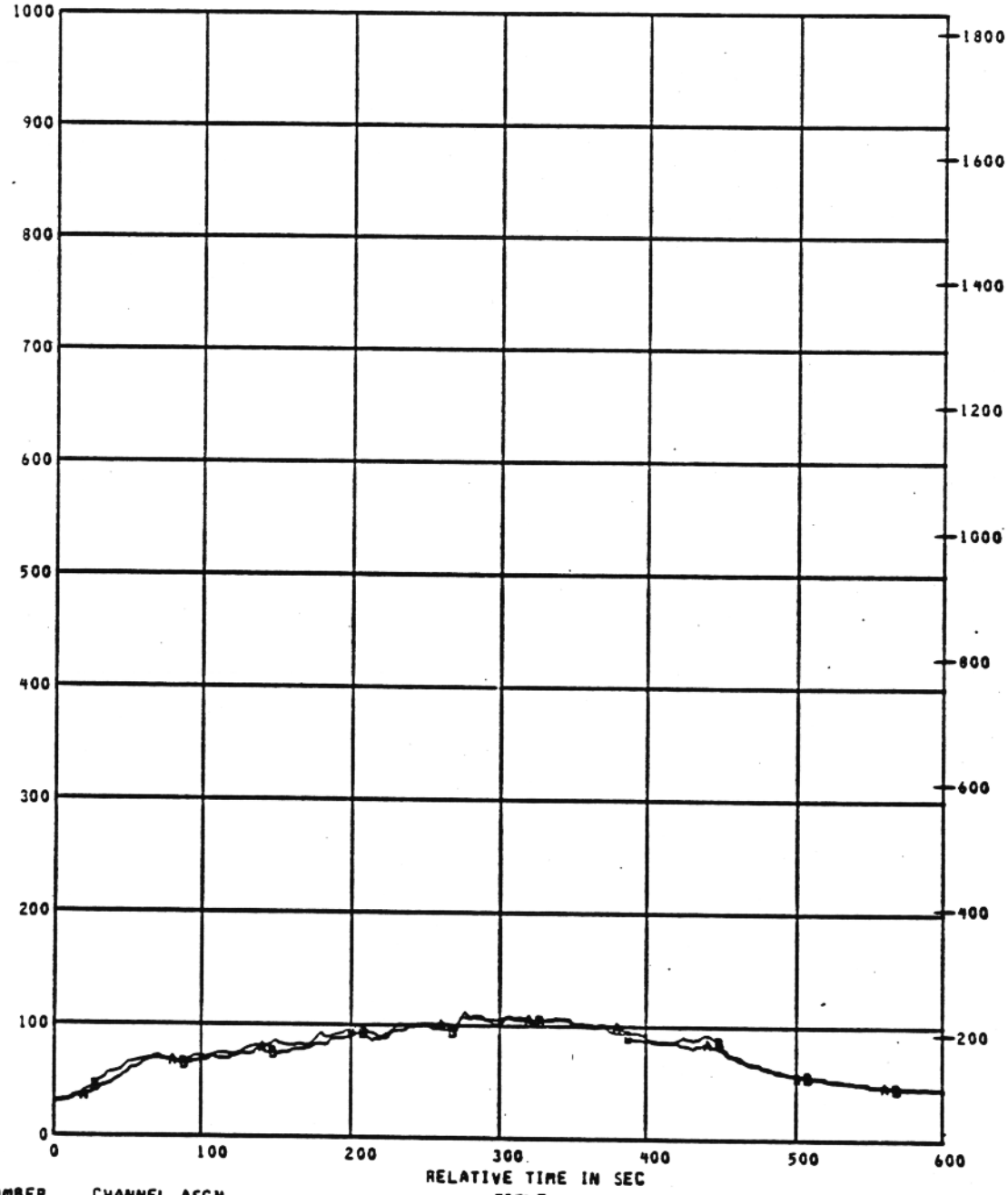
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s TBC3	115	TEMP-BACK CENTER TOP	0 TO 1000	DEG C	AA
s TBR1	116	TEMP-BACK RIGHT BOTTOM	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 15 - 1 REFERENCE TIME 13 10 08.000



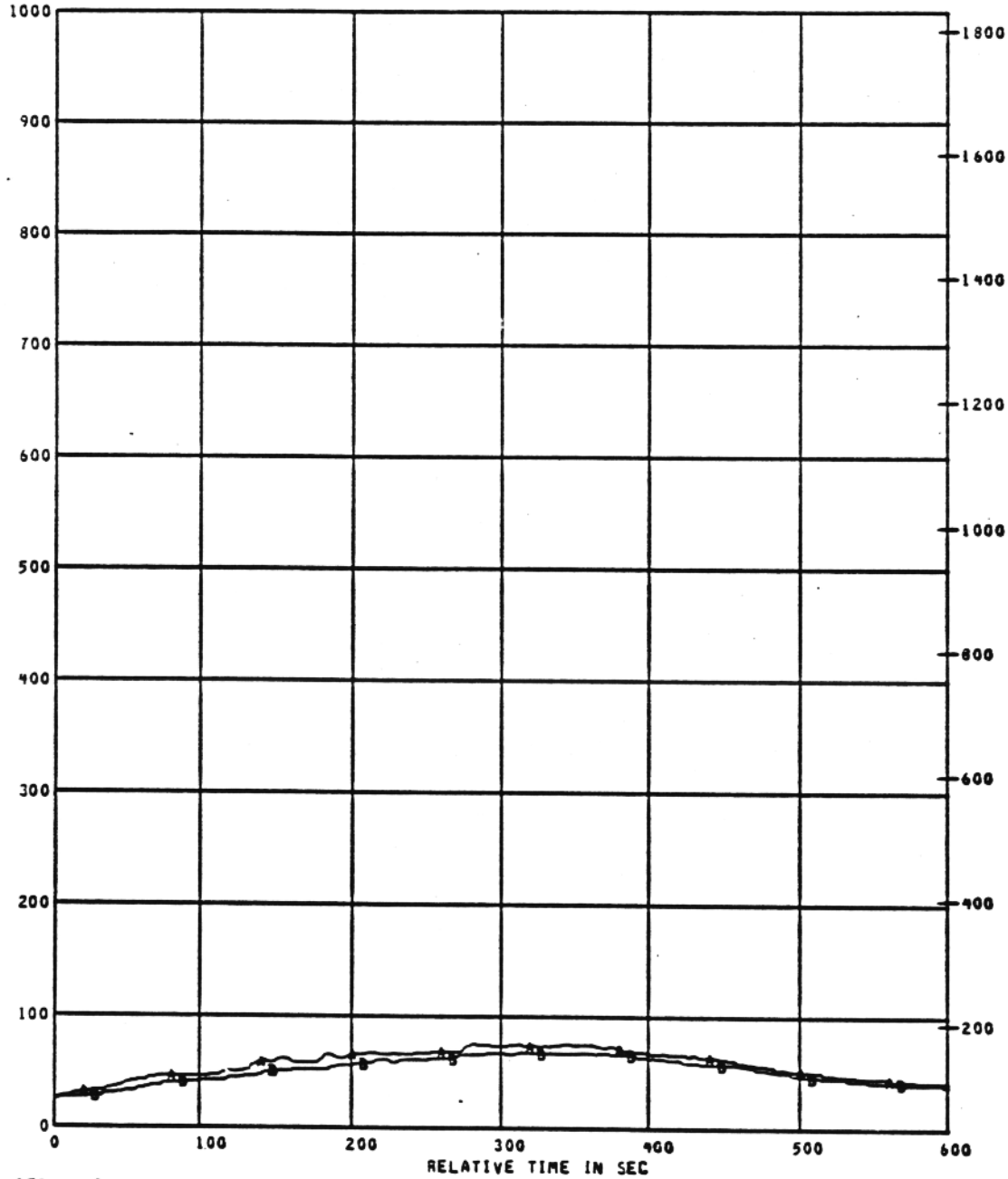
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TBR2	117	TEMP-BACK RIGHT MIDDLE	0 TO 1000	DEG C	AA
$ TBR3	118	TEMP-BACK RIGHT TOP	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 13 10 08.000



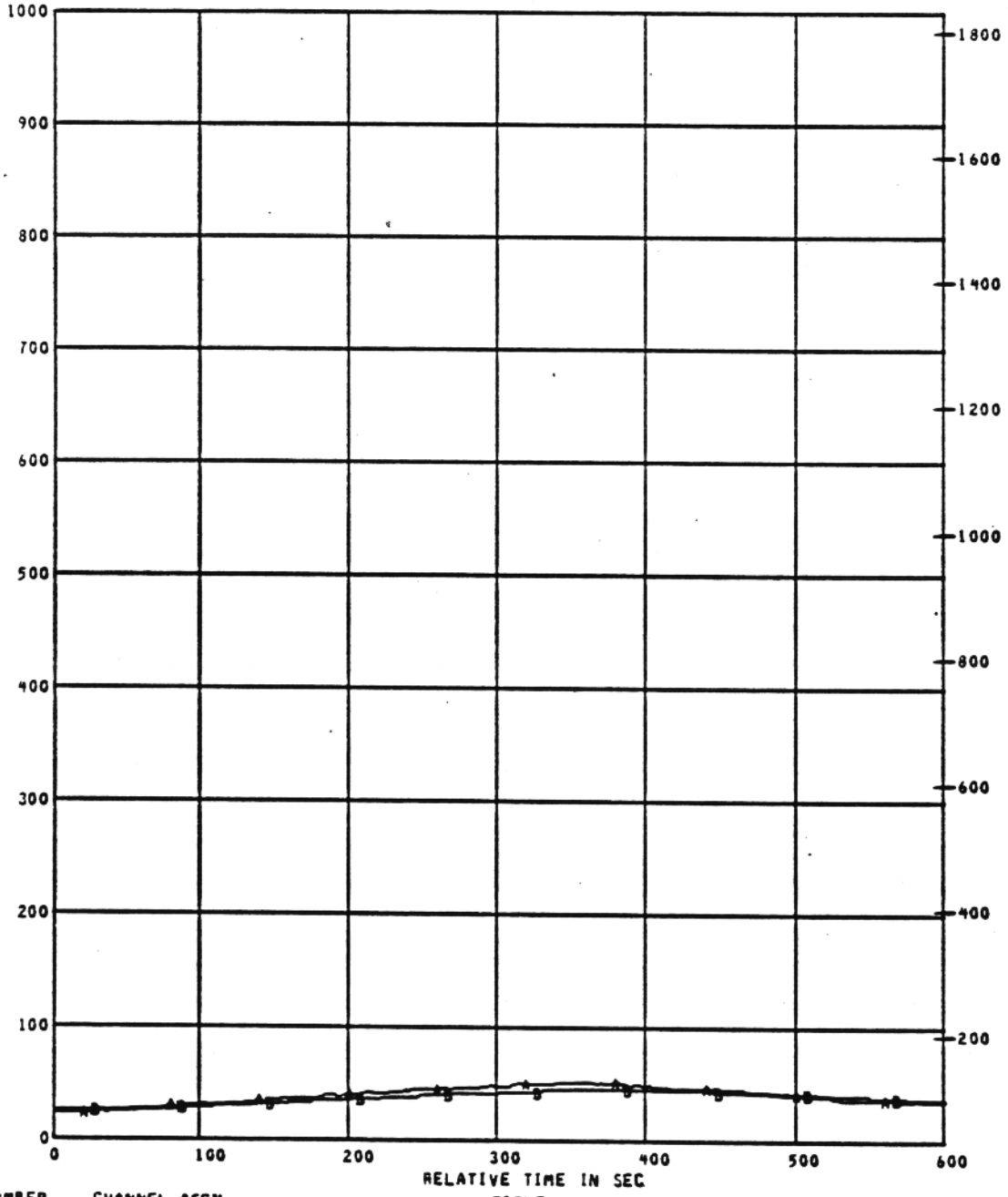
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 13 10 08.000



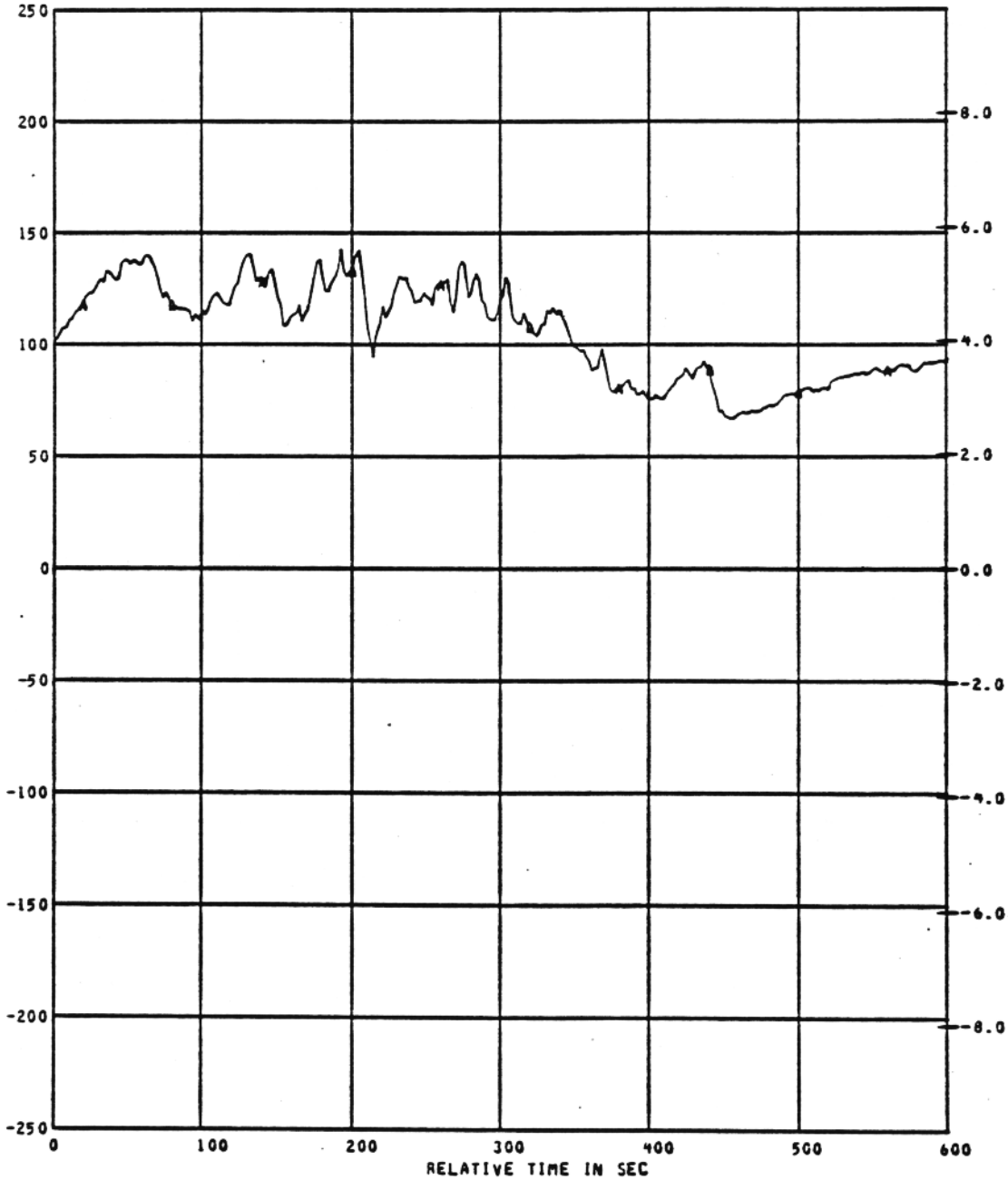
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 13 10 08.000



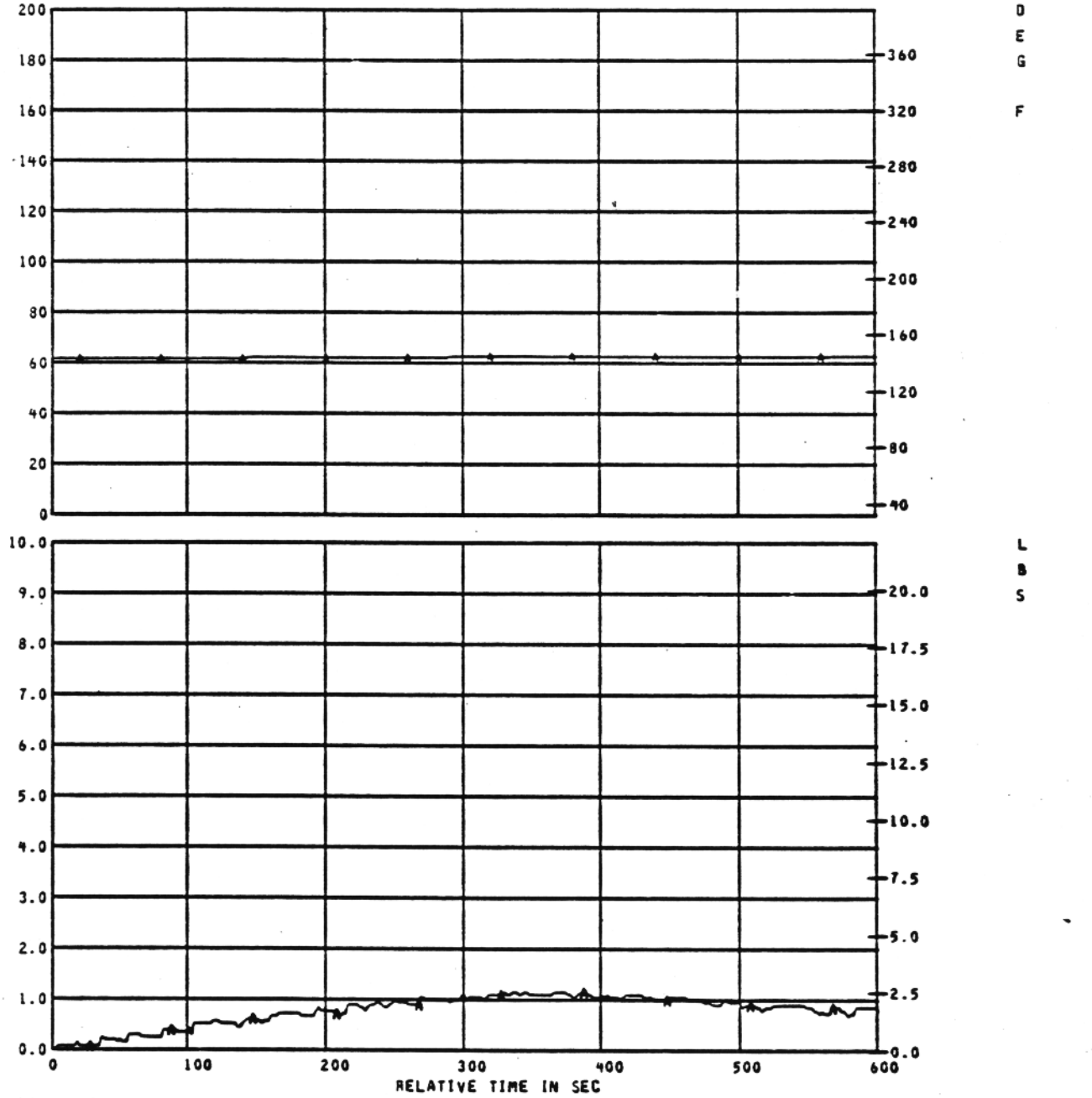
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 13 10 08.000



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

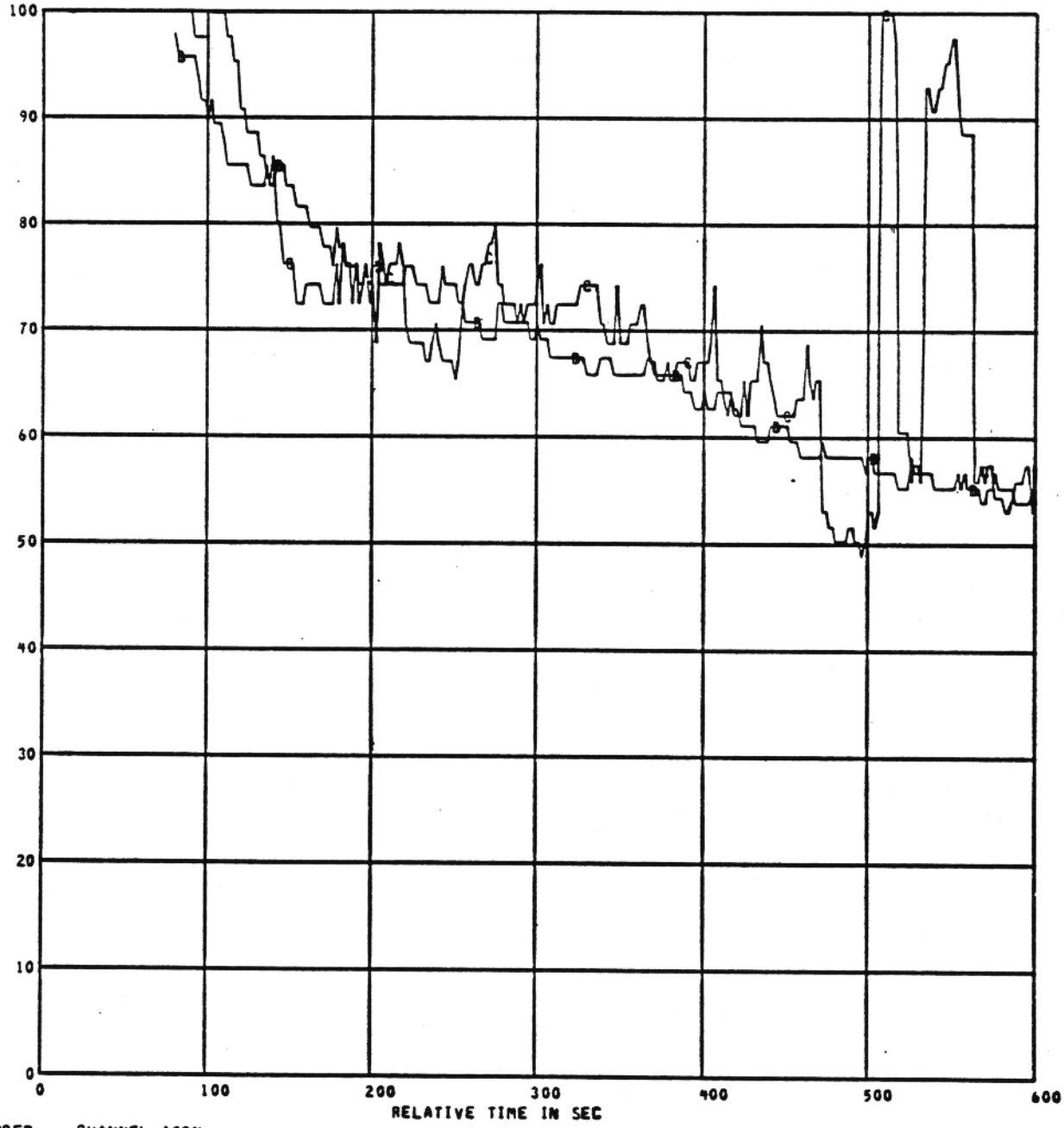
TEST ID NAS8B SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 13 10 08.000



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

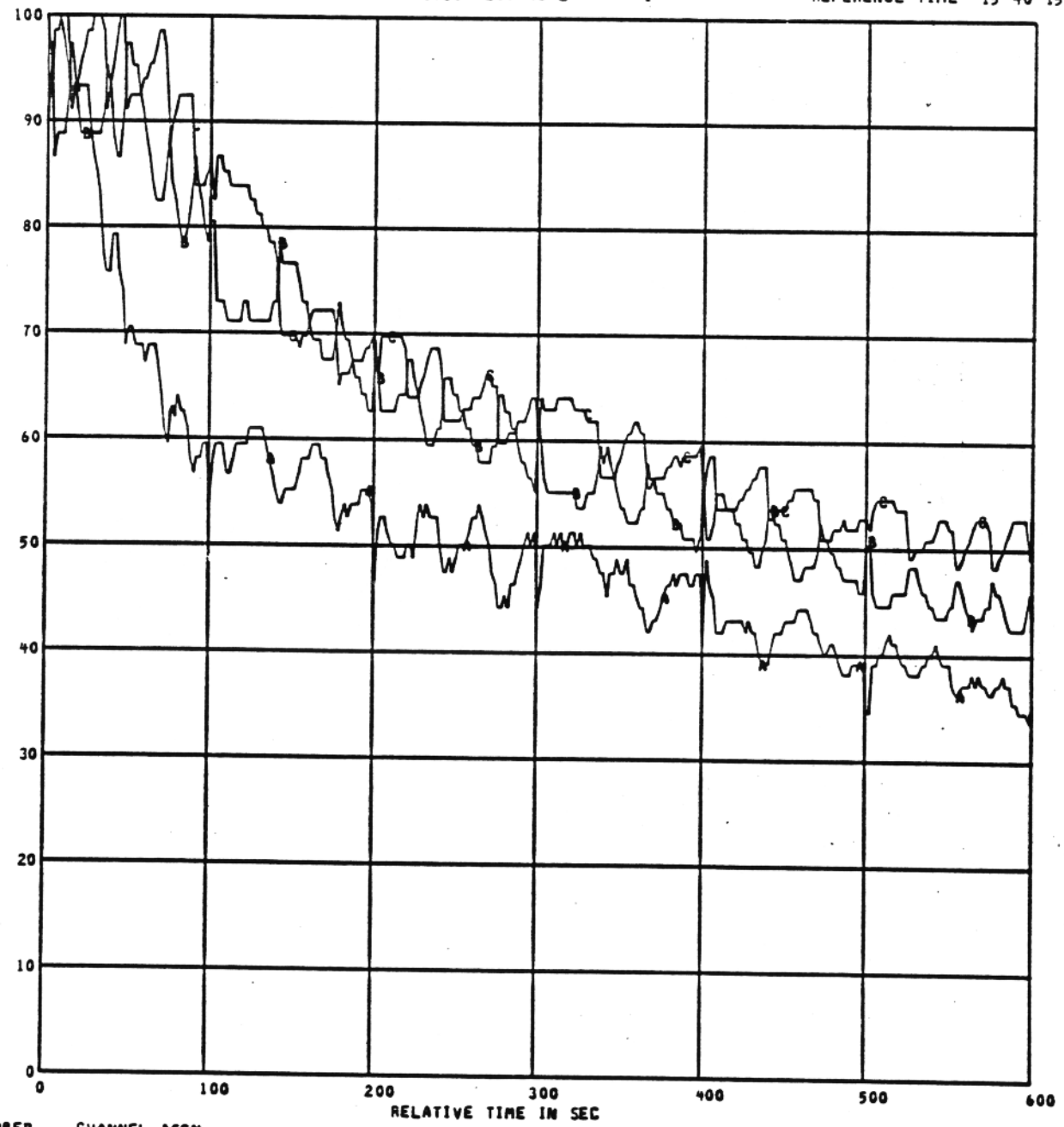
3.3 JET A FUEL DATA

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 1 - 1 REFERENCE TIME 15 40 15.000



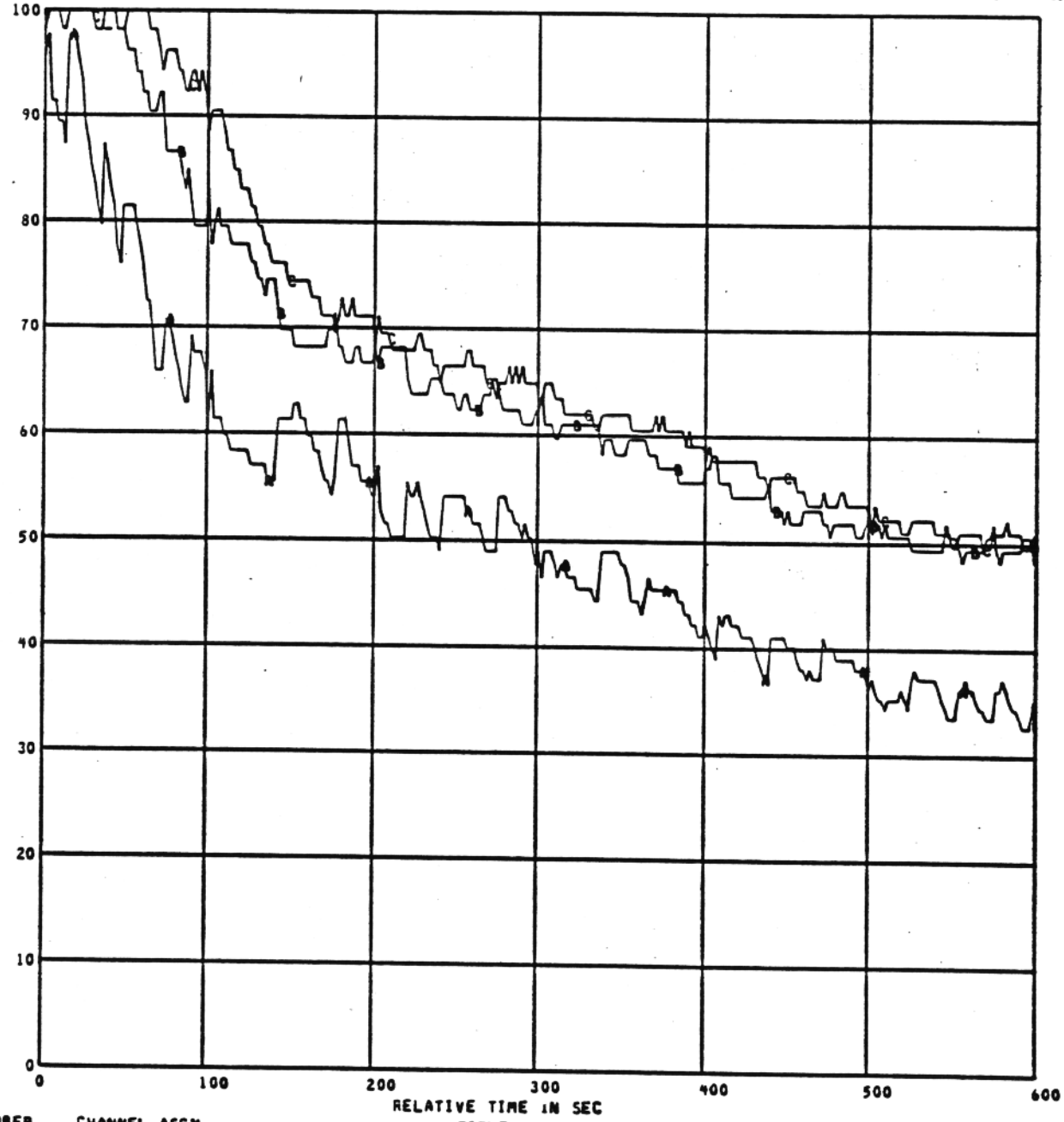
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PE1	160	PHOTOMETER-EAST TOP	0 TO 100	PCT	AA
PE2	161	PHOTOMETER-EAST MIDDLE	0 TO 100	PCT	AB
PE3	162	PHOTOMETER-EAST BOTTOM	0 TO 100	PCT	AC

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 2 - 1 REFERENCE TIME 15 40 15.000



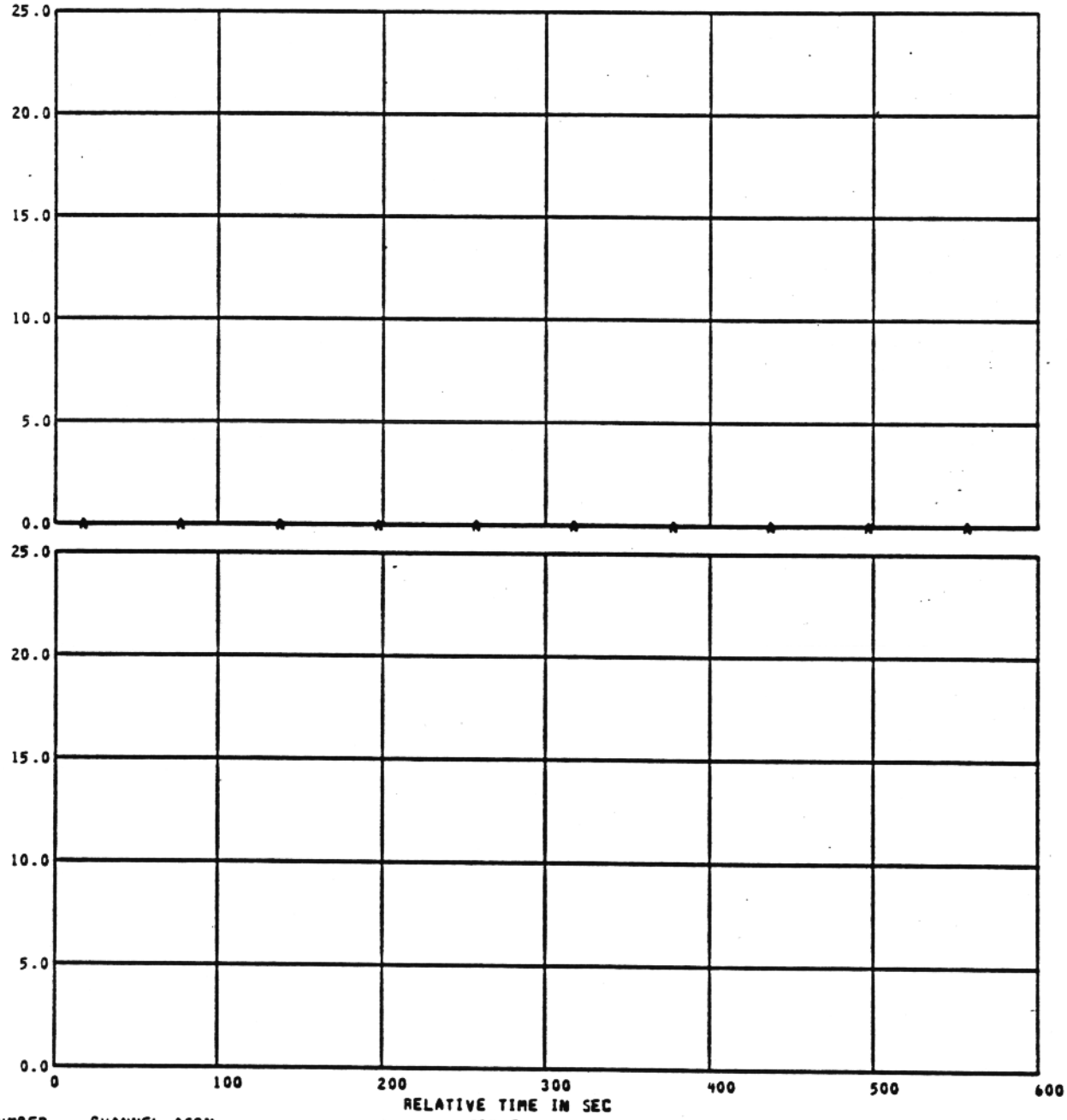
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PM1	163	PHOTOMETER-MIDDLE TOP	0 TO 100	PCT	AA
PM2	164	PHOTOMETER-MIDDLE MIDDLE	0 TO 100	PCT	AB
PM3	165	PHOTOMETER-MIDDLE BOTTOM	0 TO 100	PCT	AC

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 3 - 1 REFERENCE TIME 15 40 15.000



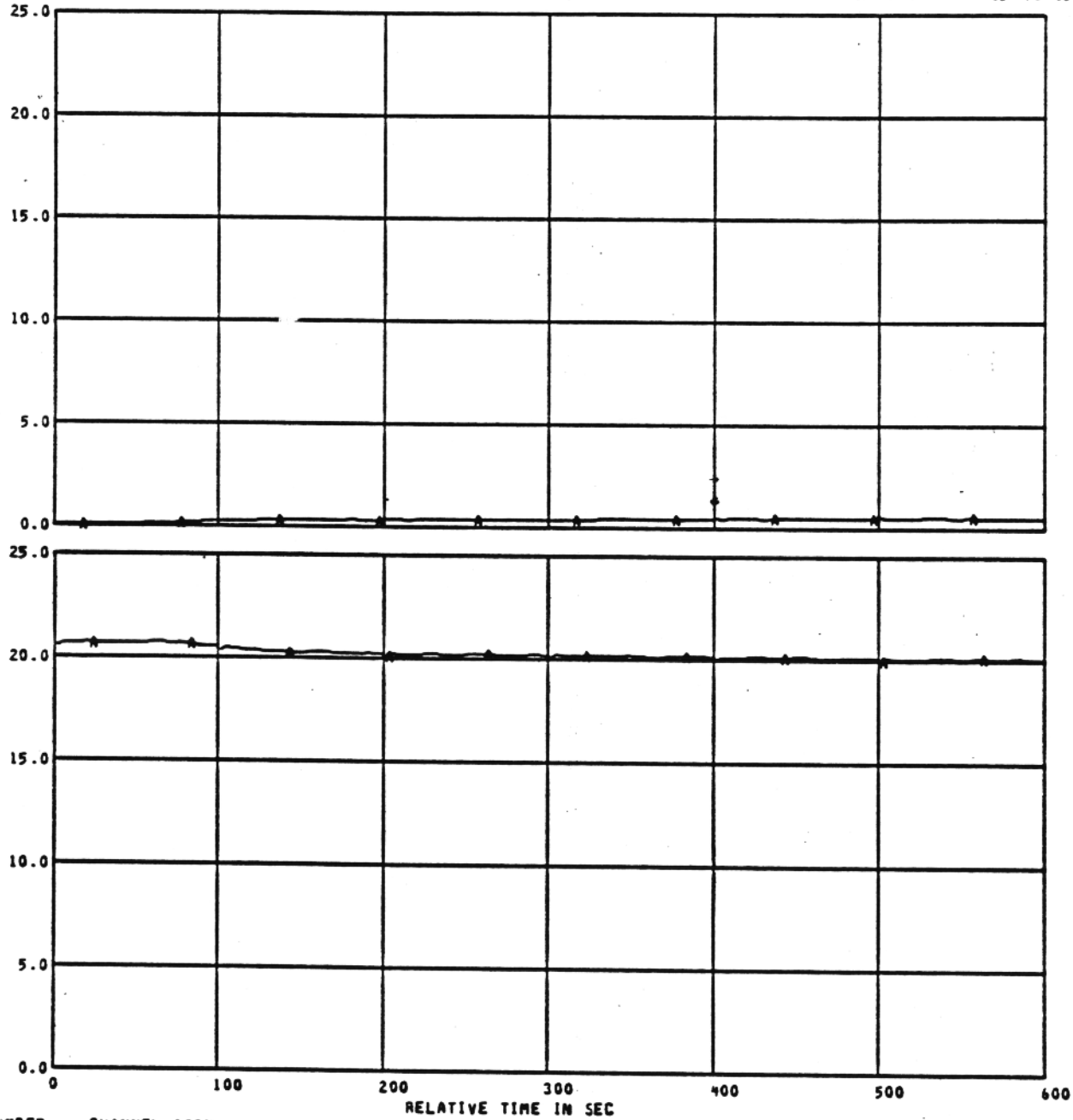
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
PW1	166	PHOTOMETER-WEST TOP	0 TO 100	PCT	AA
PW2	167	PHOTOMETER-WEST MIDDLE	0 TO 100	PCT	AB
PW3	168	PHOTOMETER-WEST BOTTOM	0 TO 100	PCT	AC

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 4 - 1 REFERENCE TIME 15 40 15.000



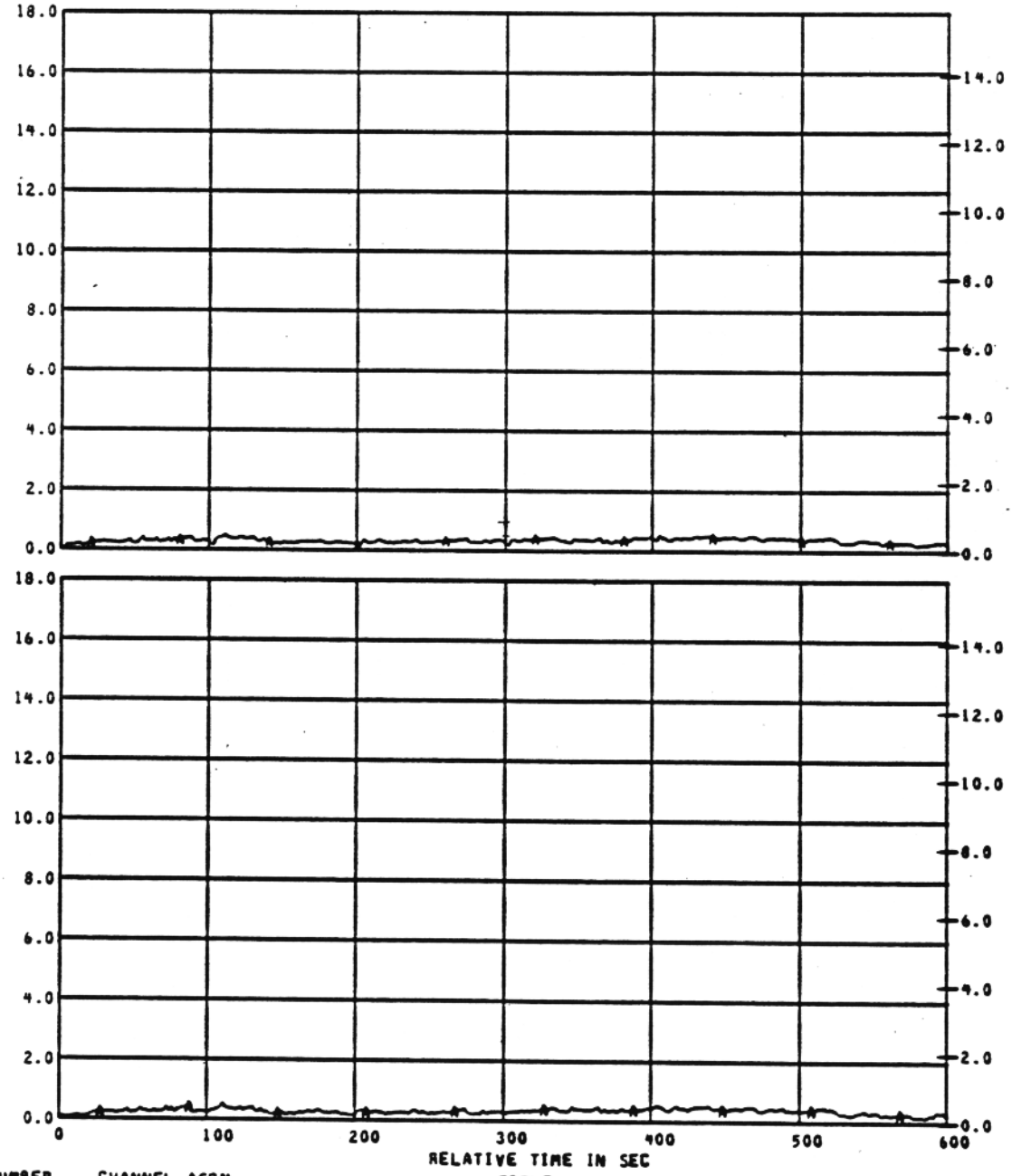
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CHXE	085	METHANE EXHAUST	0.0 TO 25.0	PCT	AA
COE	084	CARBON MONOXIDE EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 5 - 1 REFERENCE TIME 15 40 15.000



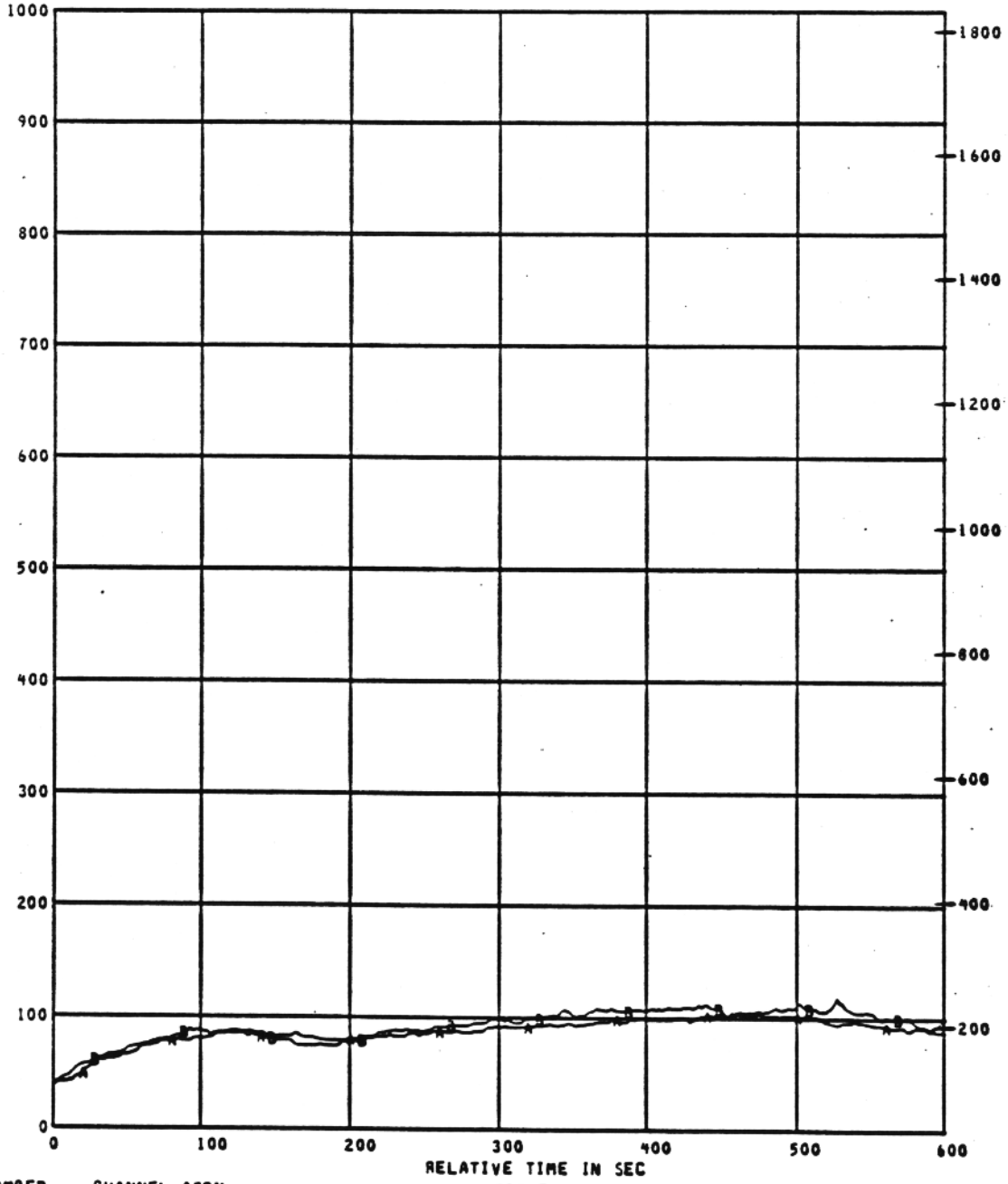
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
CO2E	090	CARBON DIOXIDE EXHAUST	0.0 TO 25.0	PCT	AA
O2E	094	OXYGEN EXHAUST	0.0 TO 25.0	PCT	BA

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 6 - 1 REFERENCE TIME 15 40 15.000



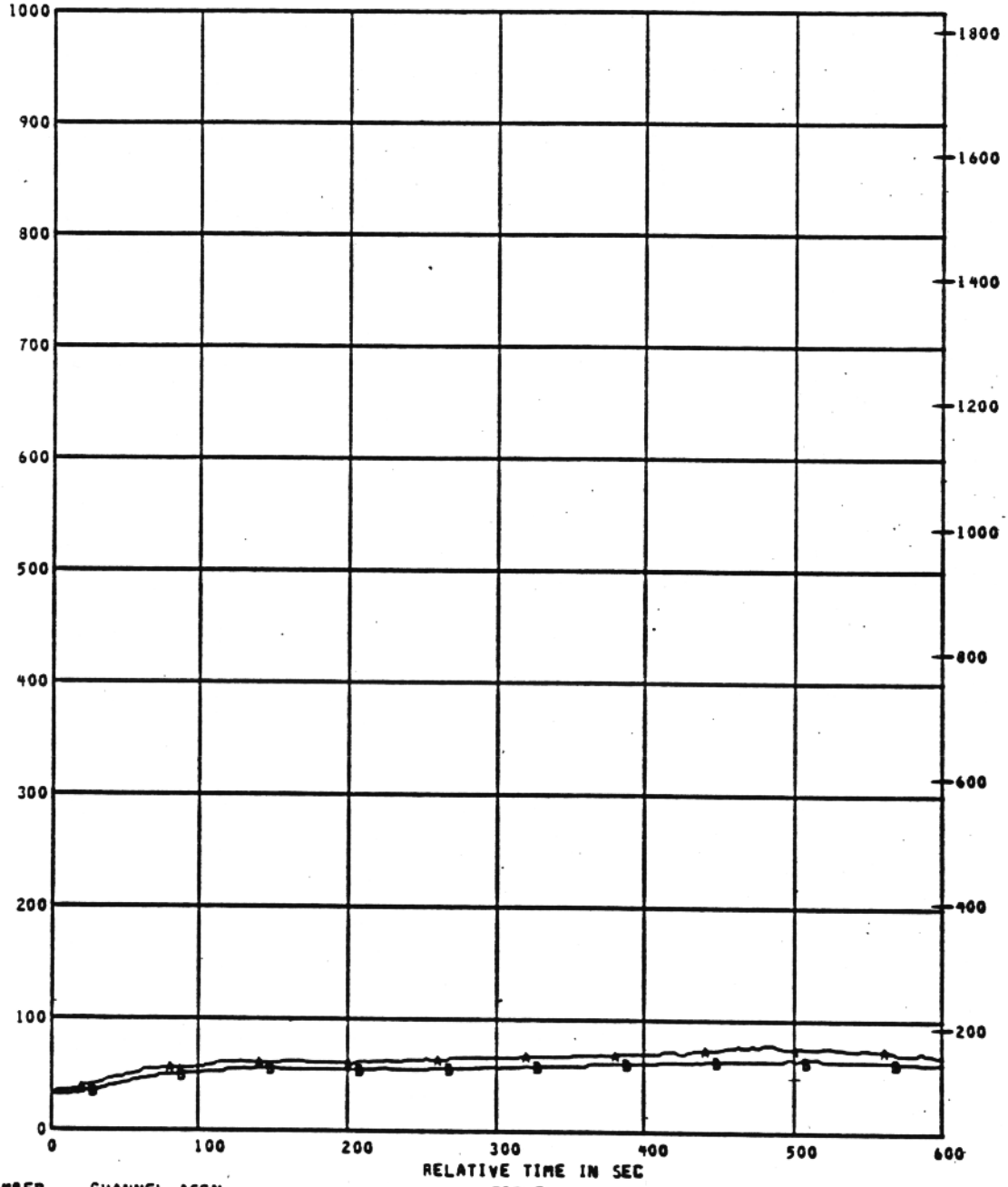
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
s CU	150	CALORIMETER UPPER	0.0 TO 18.0	WATT/CM2	AA
s CL	151	CALORIMETER LOWER	0.0 TO 18.0	WATT/CM2	BA

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 16 - 1 REFERENCE TIME 15 40 15.000



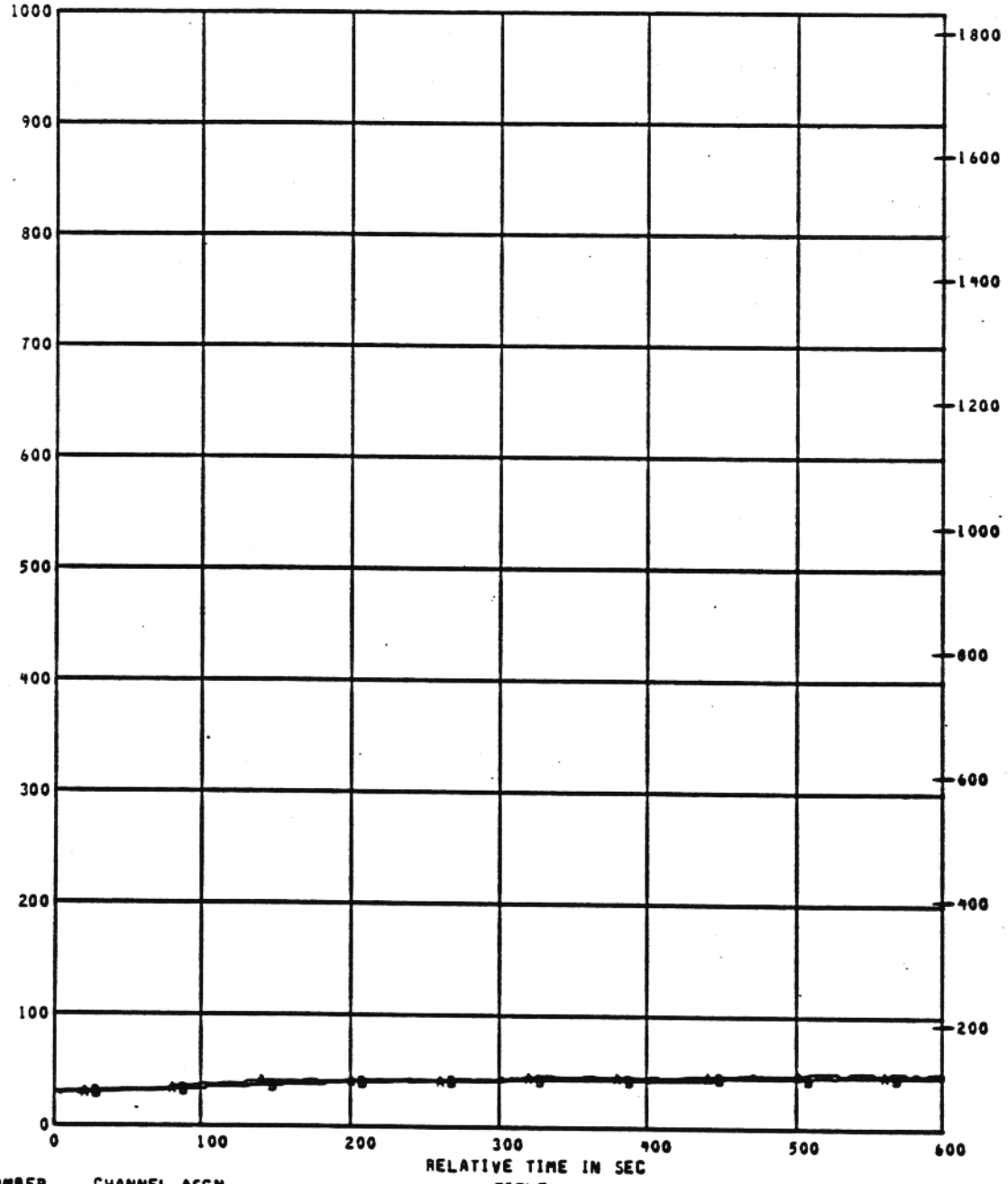
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCL	119	TEMP-CEILING LEFT	0 TO 1000	DEG C	AA
$ TCR	120	TEMP-CEILING RIGHT	0 TO 1000	DEG C	AB

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 17 - 1 REFERENCE TIME 15 40 15.000



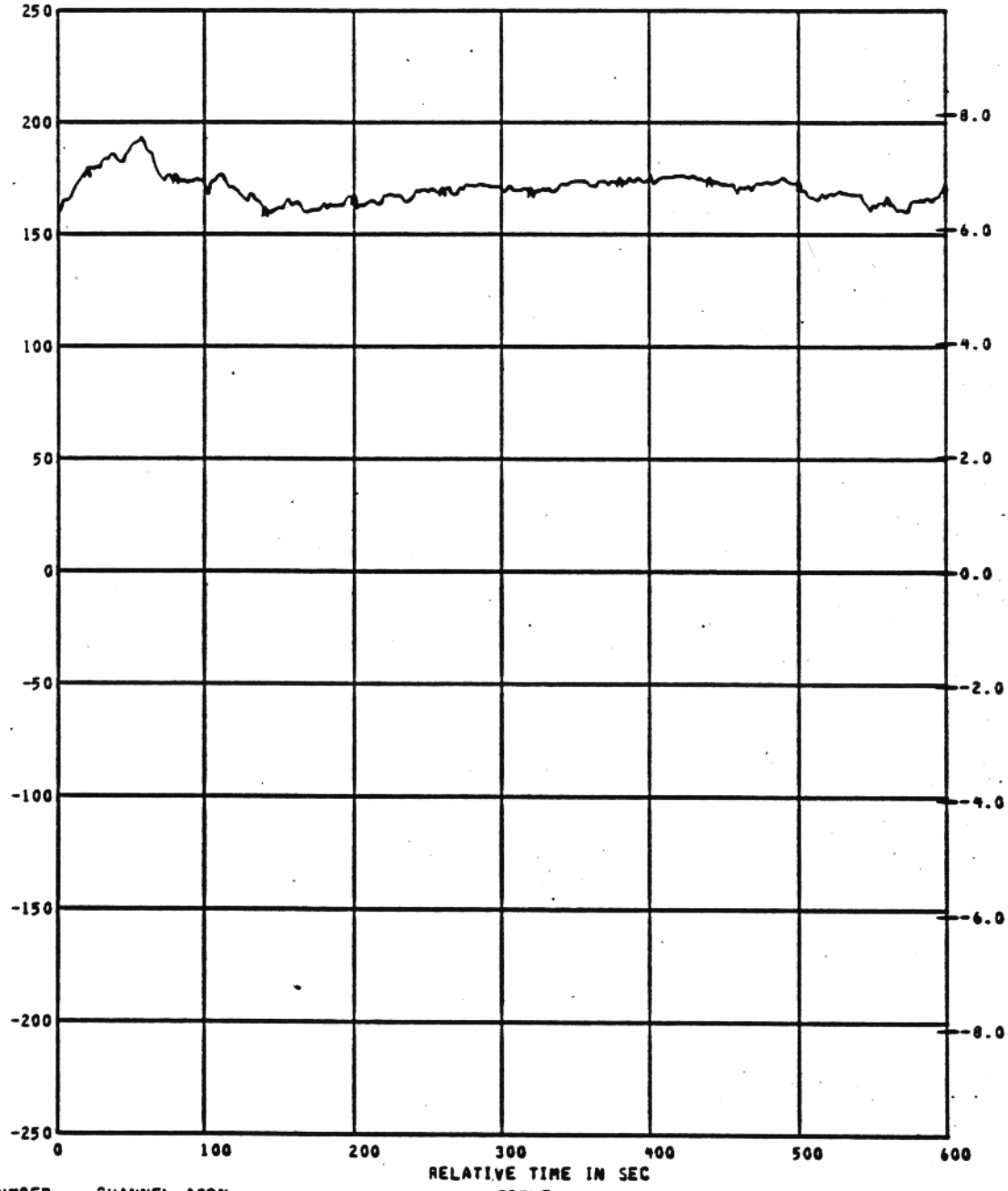
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TCM	121	TEMP-CEILING MIDDLE	0 TO 1000	DEG C	AA
$ TCW	122	TEMP-CEILING WEST	0 TO 1000	DEG C	AB

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 18 - 1 REFERENCE TIME 15 40 15.000



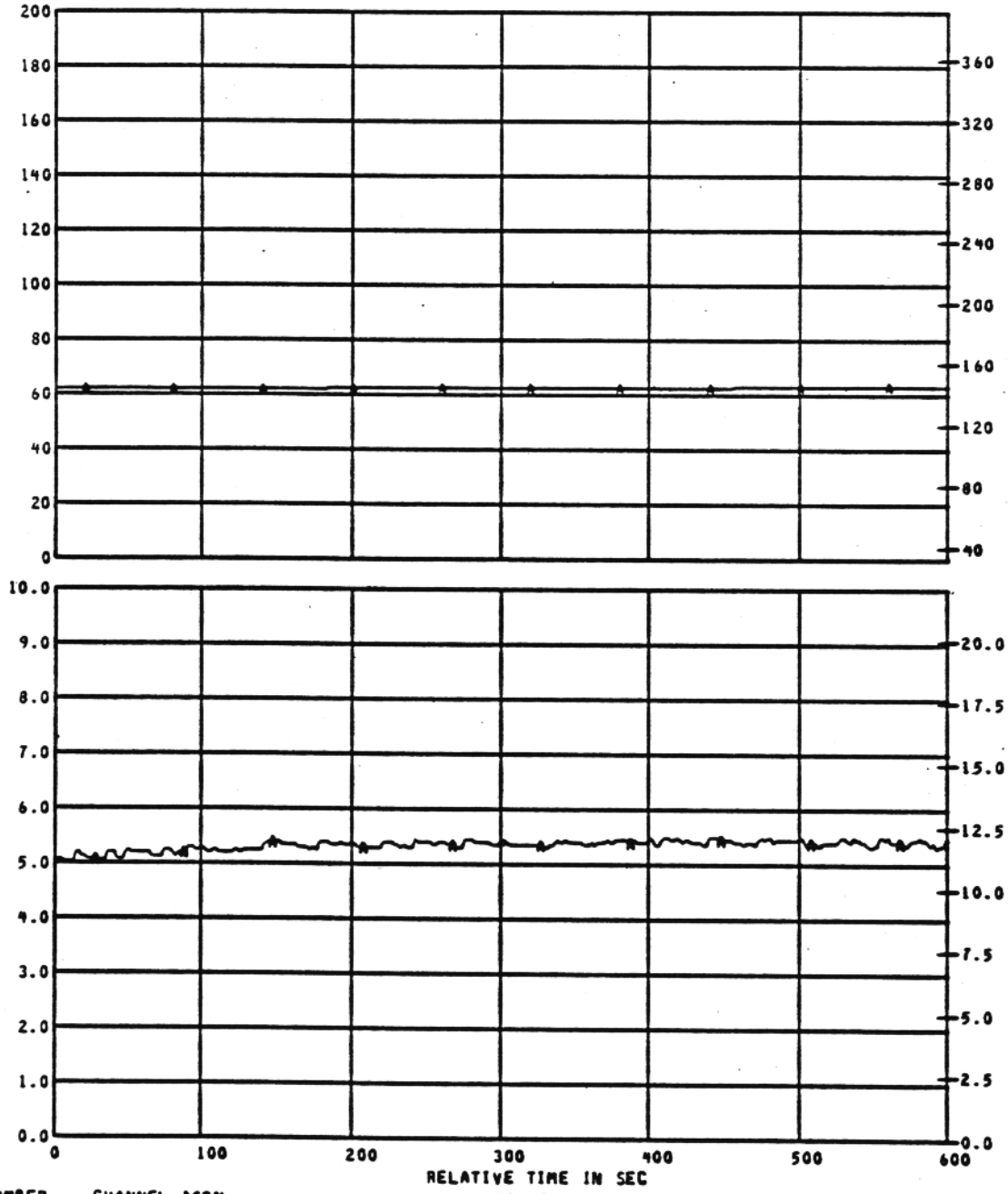
MEAS. NUMBER	CHANNEL ASGN.	TITLE	RANGE	UNITS	GRID-SYM
$ TRC	123	TEMP-ANIMAL CAGE	0 TO 1000	DEG C	AA
$ TAO	124	TEMP-AIR OUT	0 TO 1000	DEG C	AB

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 19 - 1 REFERENCE TIME 15 40 15.000



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

TEST ID NASC SEAT TST-OCT 1980 PLOT NO 20 - 1 REFERENCE TIME 15 40 15.000



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