

**"RECORD COPY"**Schedule No. 4-7-12Retain Until 2020**FINAL TEST REPORT****CONFIDENTIAL**
**Global Test Operations
Research and Vehicle Technology**

TO: M. Wooten

Test Order No.	T-CD476
Work Task W. O. No.	J18
Test Date	3/3/00
Date Reported	5/25/00
Sheet	1 of 4

SUBJECT: Crash Test 11798 (90° Left Side Front Pole Impact at 14.9 ± 0.4 mph, 24.0 ± 0.6 km/h)
- 2001 Lincoln Town Car (FN-143) Long Wheel Base 4-Door Sedan

REQUESTED BY: Vehicle Crash Safety Department, Research and Vehicle Technology - M. Wooten

OBJECT: To obtain development data relative to air bag system sensors.

SUMMARY OF
TEST RESULTS: See Section 1.0 for air bag system sensor data.

M. Foster
Test Development Engineer

Concur: S. Lash
Region Supervisor
Operations Engineering Section

VEHICLE DATA:

Make and Model	2001 Lincoln Town Car (FN-145) Long Wheel Base 4-Door Sedan (Confirmation: Prototype)	
ID Numbers	1LNHM22W1XY707687, 311-H-379, VC190013	
Power Train	4.6L, EFI, Automatic (4R70W) Transmission	
Fuel Tank(s)	Usable Capacity: 19.9 gal. (71.9L) Test Condition: Removed	
Front Seat(s)	Type: Bucket Cover: Leather Tracks/Position: 6-Way Power/Mechanical Mid and Down Seat Backs/Position: Adjustable/29.0° Rear of Vertical Head Restraints/Position: Adjustable/Up	
Restraint System	LF: 3-Point Continuous Loop Active Belt with Pyrotechnic Retractor, Steering Wheel Air Bag and Seat Back Side Air Bag RF: Instrument Panel Air Bag and Seat Back Side Air Bag	
Occupants	LF: NIO-SID Uninstrumented Dummy	
Test Weight	Front: 2369 lb (1075 kg) Rear: 2239 lb (1016 kg) Total: 4608 lb (2090 kg)	
Tires	Front: P225/60R16 Rear: P225/60R16 Spare: Removed	32 psi (221 kPa) 32 psi (221 kPa)
Significant Content or Accessories:	Air Conditioning, Power Steering, Power Brakes, Tilt Steering Wheel	

GENERAL TEST COMMENTS:**1. Test Procedure**

The test was performed according to the following Corporate test procedure(s):

- Side Impact Occupant Crash Protection, ST-15 dated March 19, 1998.
- Proposed non-regulator crash test procedure.

1.1 Vehicle Alignment

The test vehicle impacted on 350 mm diameter steel pole structure, rigidly attached to the barrier beam. The vertical steel pole was aligned so that the point of vehicle impact was near the test dummy's left front head center of gravity.

2. Remarks

Crash movies, pre- and post-crash still images of the test vehicle and copies of this report are available through the Operations Engineering Section, Safety Laboratories Department, QTO. The crash still images are stored and archived on CD ROMs. The file names of the still images are listed under crash number and a three digit sequence number which are 11798001 through 11798068 and CARRON001 through CARRON06.

TEST RESULTS:**1.0 Sensor Development**

Time histories of the dummy dynamic displacements obtained from Film Analysis are included in this report.

Time histories of the air bag/sensor(s) are included in this report.

Time histories of any requested derived data (i.e. integrations, etc.) were given to the requesting activity and are not included in this report.

2.0 Vehicle Crush, Film Analysis and/or Instrumentation Data

Time histories of the vehicle accelerations and other instrumentation are included in this report.

Time histories of vehicle dynamic displacements obtained from Film Analysis are included in this report.

Static displacements of various body points obtained by Dimensional Analysis are included in this report.

Time histories of any requested derived data (i.e. integrations, etc.) were given to the requesting activity and are not included in this report.

3.0 Vehicle Characteristics

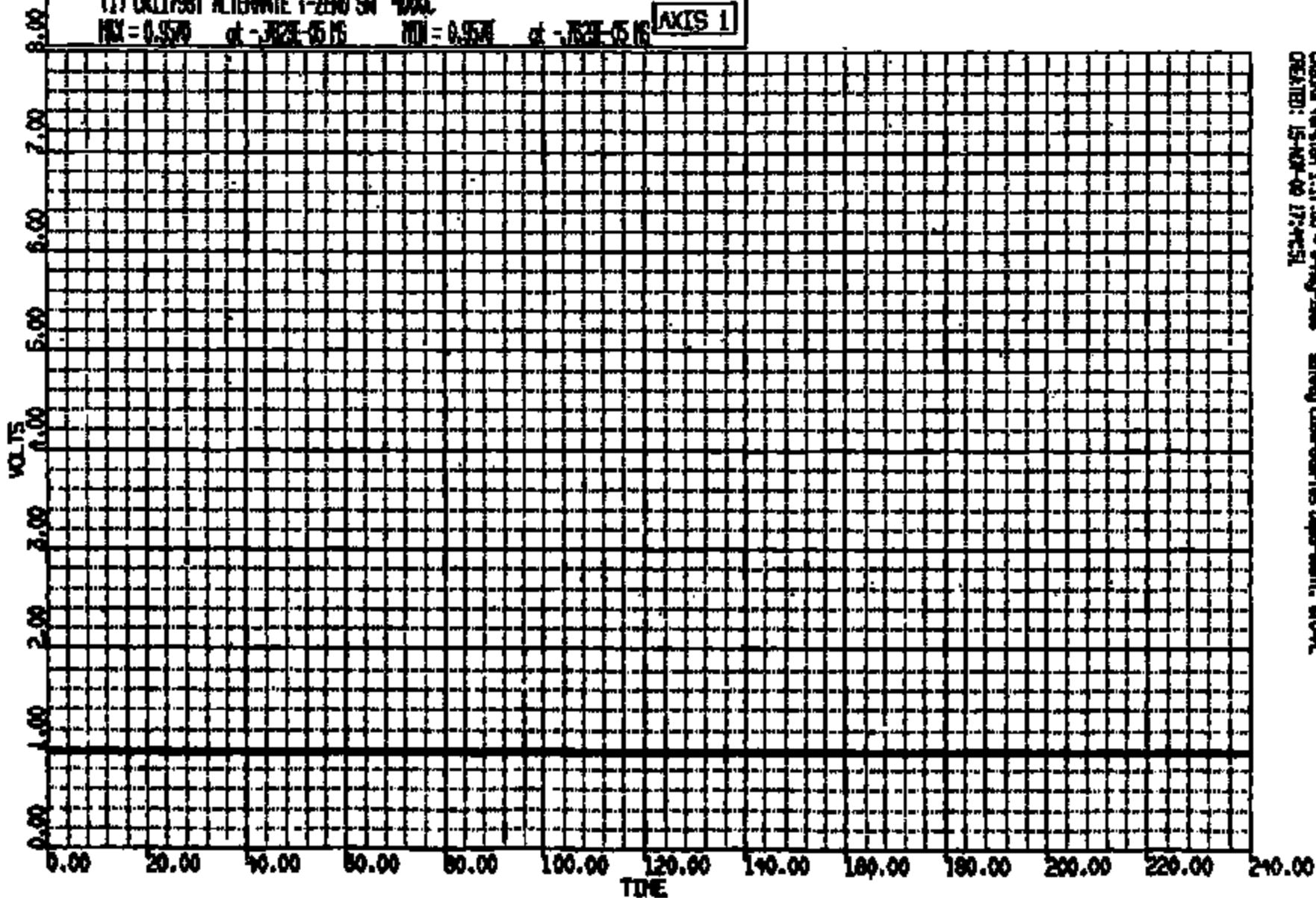
Only the L/F Seat Back Side Air Bag deployed.

OR R: 11798 TO: TCO798 DATE: 00050M 08:37:22
2001 FN-148

(1) CR11798T ALTERNATE T-ZERO SN 4000C

MAX = 0.9570 at -382E-05 MS MIN = 0.9570 at -382E-05 MS

AXIS 1



CASUS Version 1.17.00 - 9-May-2008 Safety Laboratories Department, SD-AL
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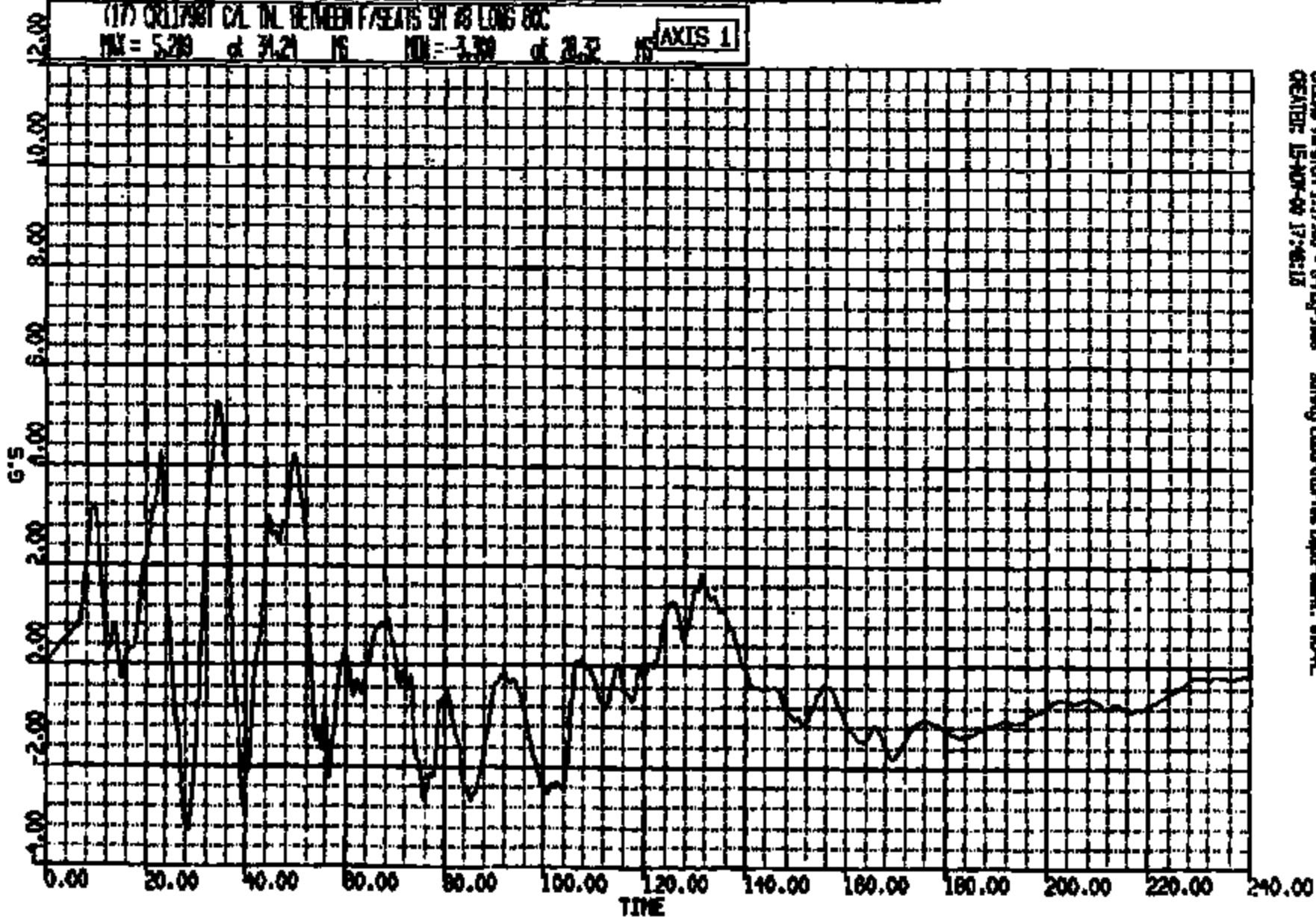
CRTS 0011798

CR 01: 11798 TO: T00478 DATE: 000303 02:27:22
2001 FN-145

(17) COLLAPSE CAL INL BETWEEN F/SEATS SH AS LONG SSC

MAX = 5.20 at 31.21 MS MIN = -3.30 at 28.32 MS

AXIS 1



CRS version 1.17.00 - 8-Feb-2008 Safety Laboratory Department, SDO-A
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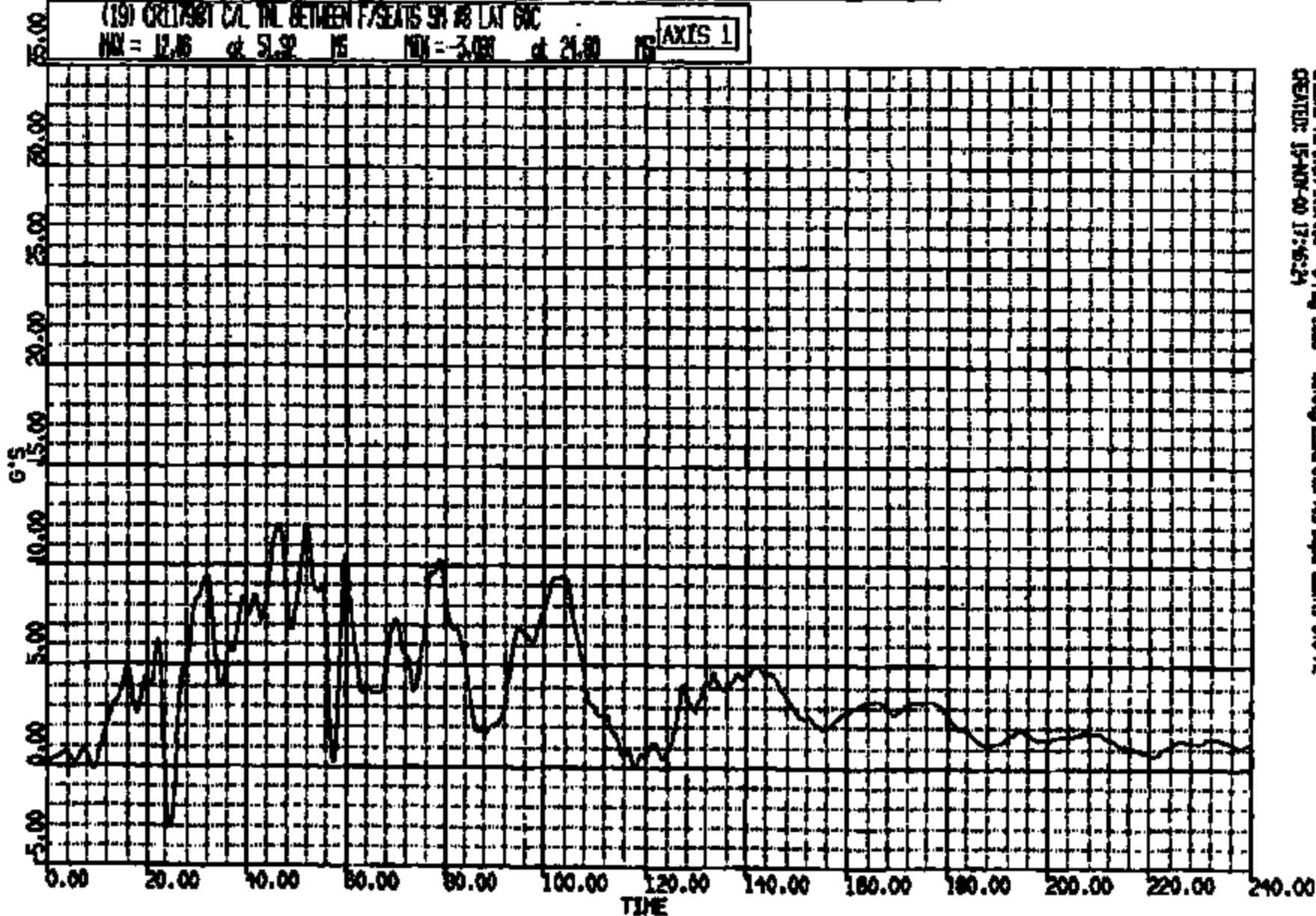
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CR R: 11798 TO: TCO-78 DATE: 000303 00:27:22
2001 FN-148

(19) CR117981 CAL TNL BETWEEN F/SEATS SH AS LAT GNC

MM = 12.46 at 51.92 MS MM = -3.000 at 21.00 MS

AXIS 1

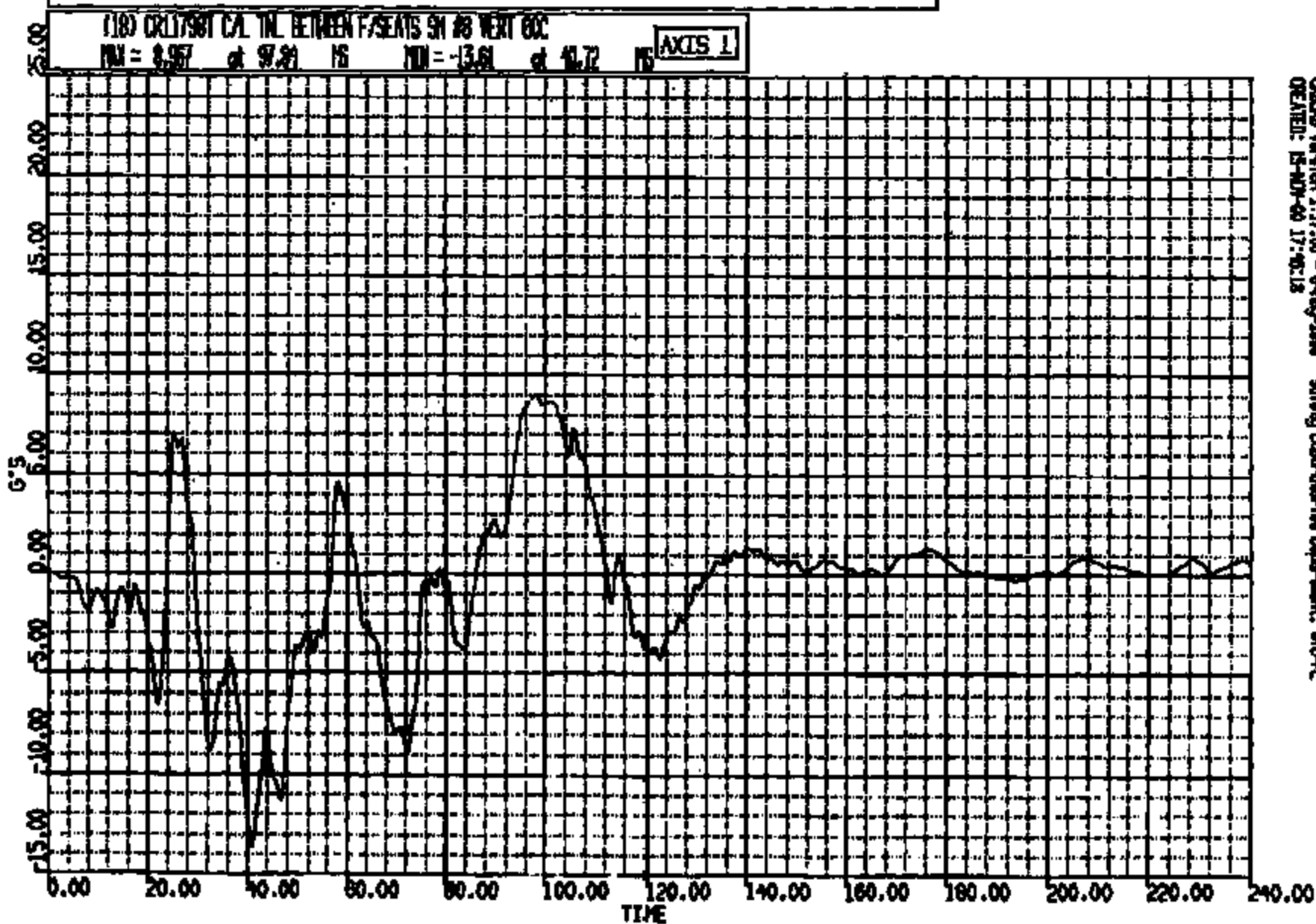


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Safety Laboratory Department, CRD-A

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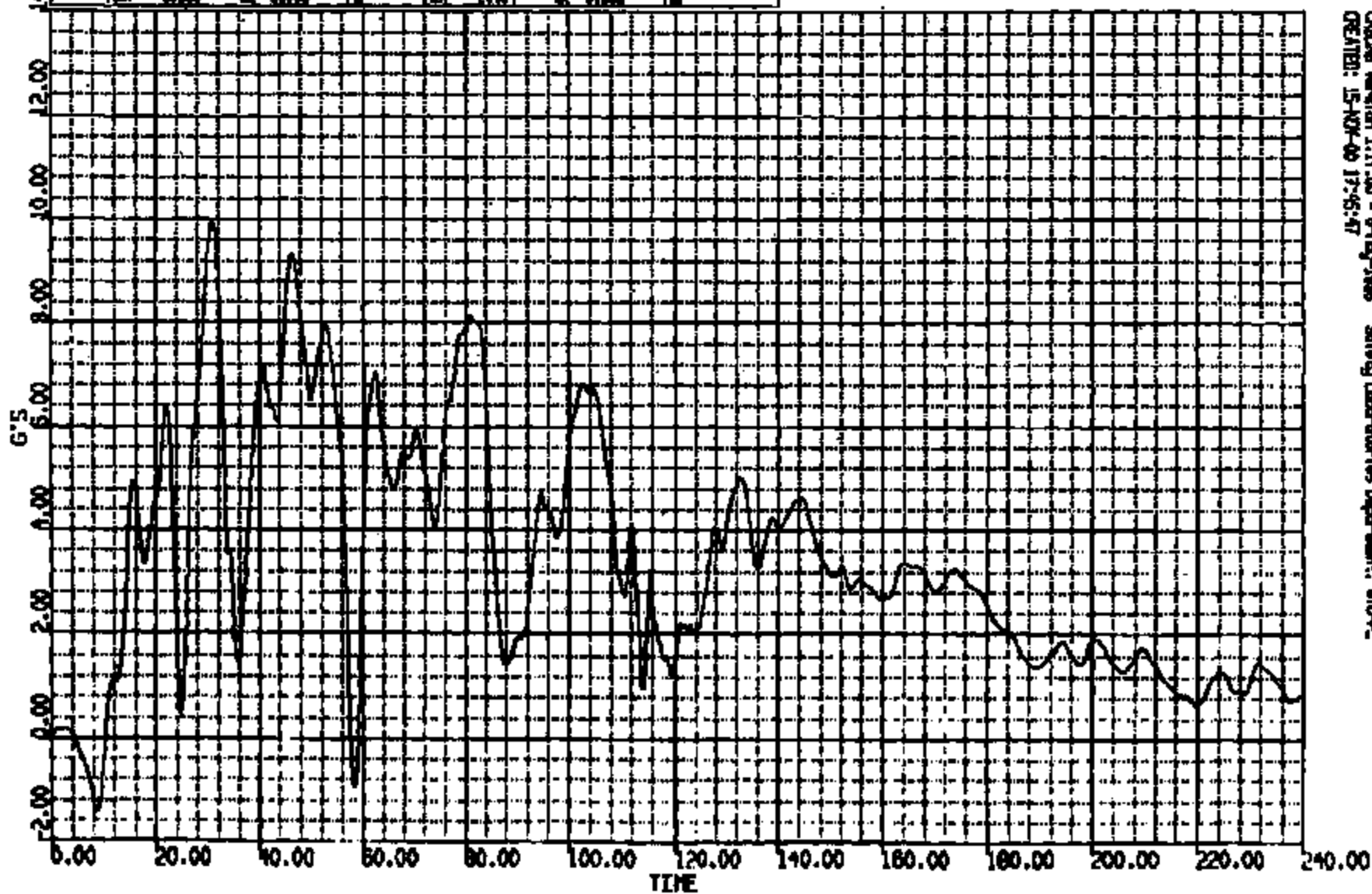
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2001 FN-145

(12) CR11798T CAL TUNNEL @ DASH RCH AS LAY 60C

MAX = 9.988 at 30.00 MS MIN = -1.691 at 4.500 MS

AXIS 1

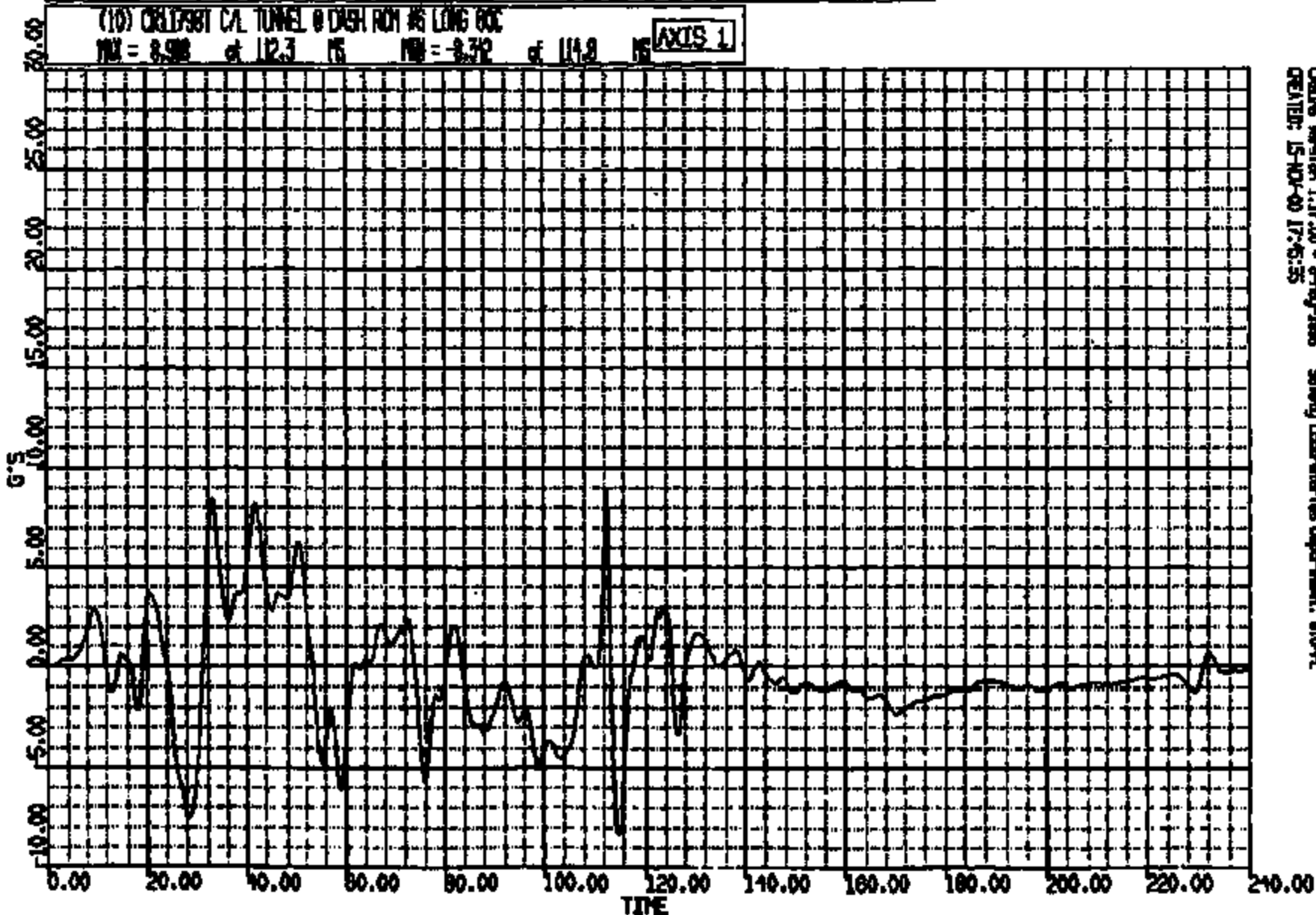


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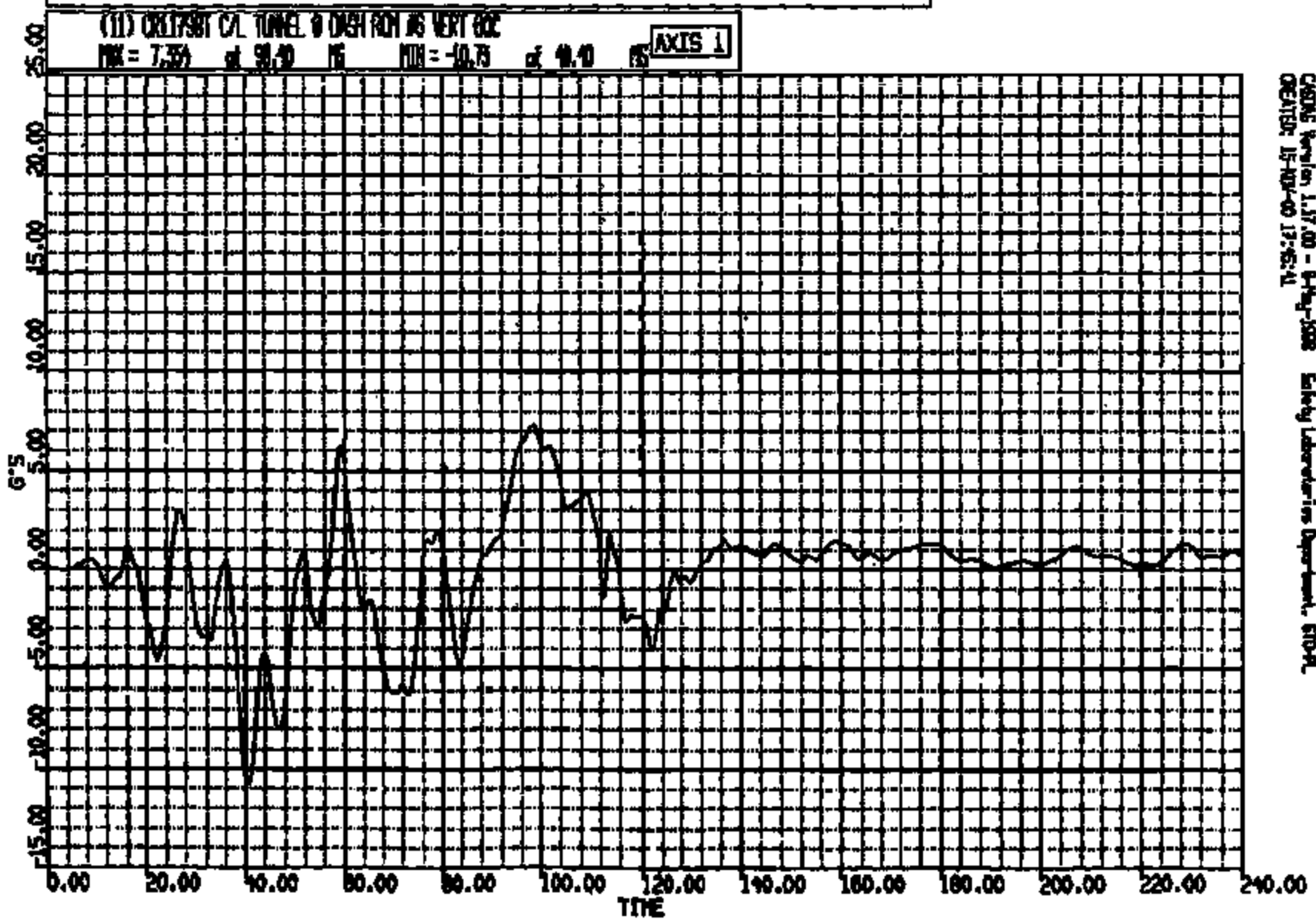


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8001 FN-145



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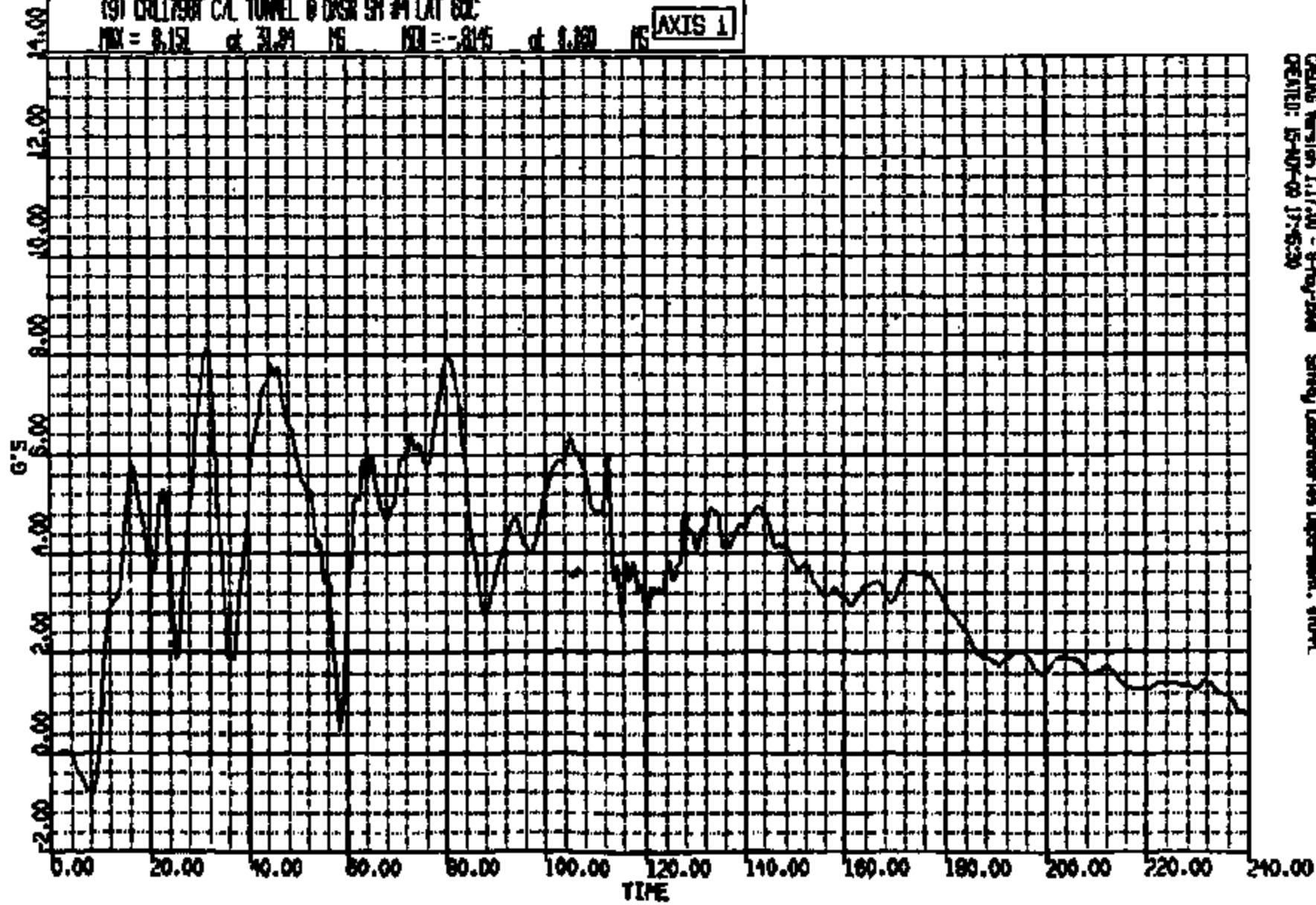
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DR #: 11798 TO: TCO+78 DATE: 000505 08:57:28
2001 FN-145

(9) COLLISON CAL TUNNEL @ DISK 91 #1 LAT 80C

MAX = 8.152 at 31.81 MS MIN = -8.045 at 1.880 MS

AXIS 1



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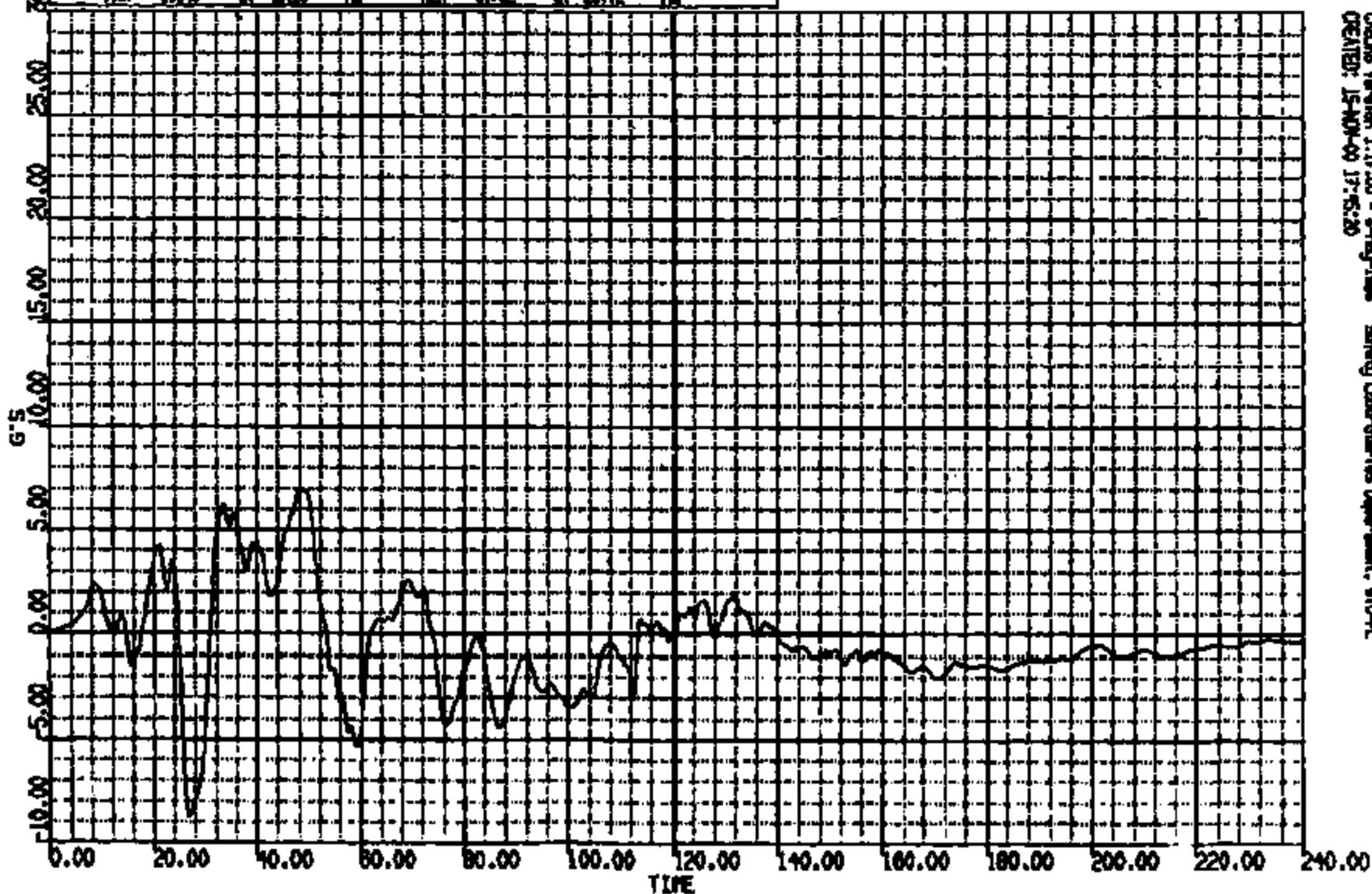
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DR R: 11788 TO: TCO476 DATE: 000503 08:57:22
2001 FN-145

(7) CR117987 CAL TUNNEL 8 DASH 91 #4 LONG 60C

MAX = 6.915 at 48.16 MS MIN = -8.352 at 26.72 MS

AXIS 1



CRS Version 1.17.00 - 8-Aug-1998 Safety Laboratories Department, SIOA
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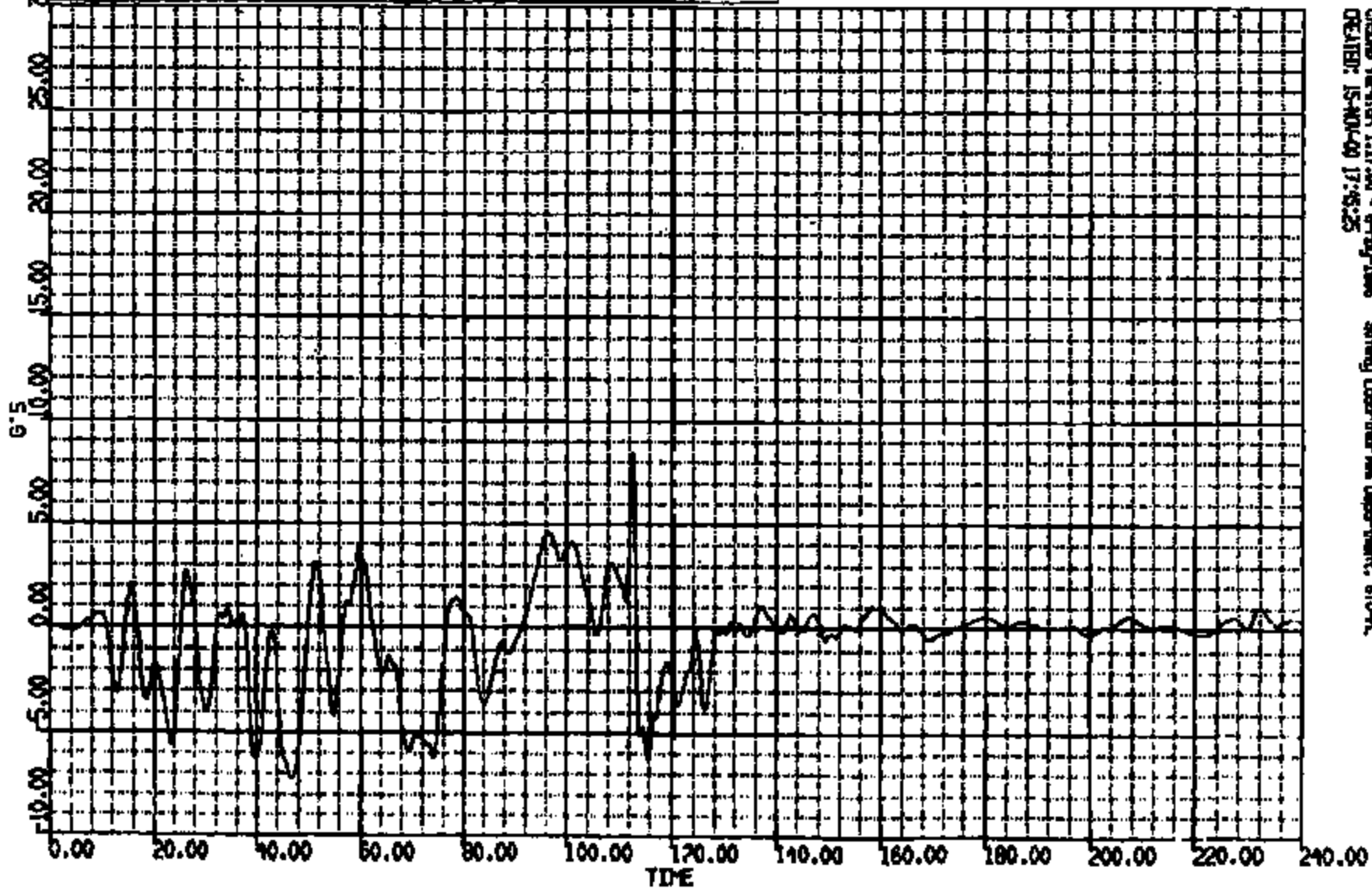
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2001 FN-145

(8) CR1798 C/L TUNNEL @ DASH SN #4 VERT 60C

MAX = 8.45 at 112.6 NS MIN = -7.28 at 112.6 NS

AXIS 1



CRENS Version 1.17.00 - 8-May-1998 Safety Laboratory Inc. Department, 610-A
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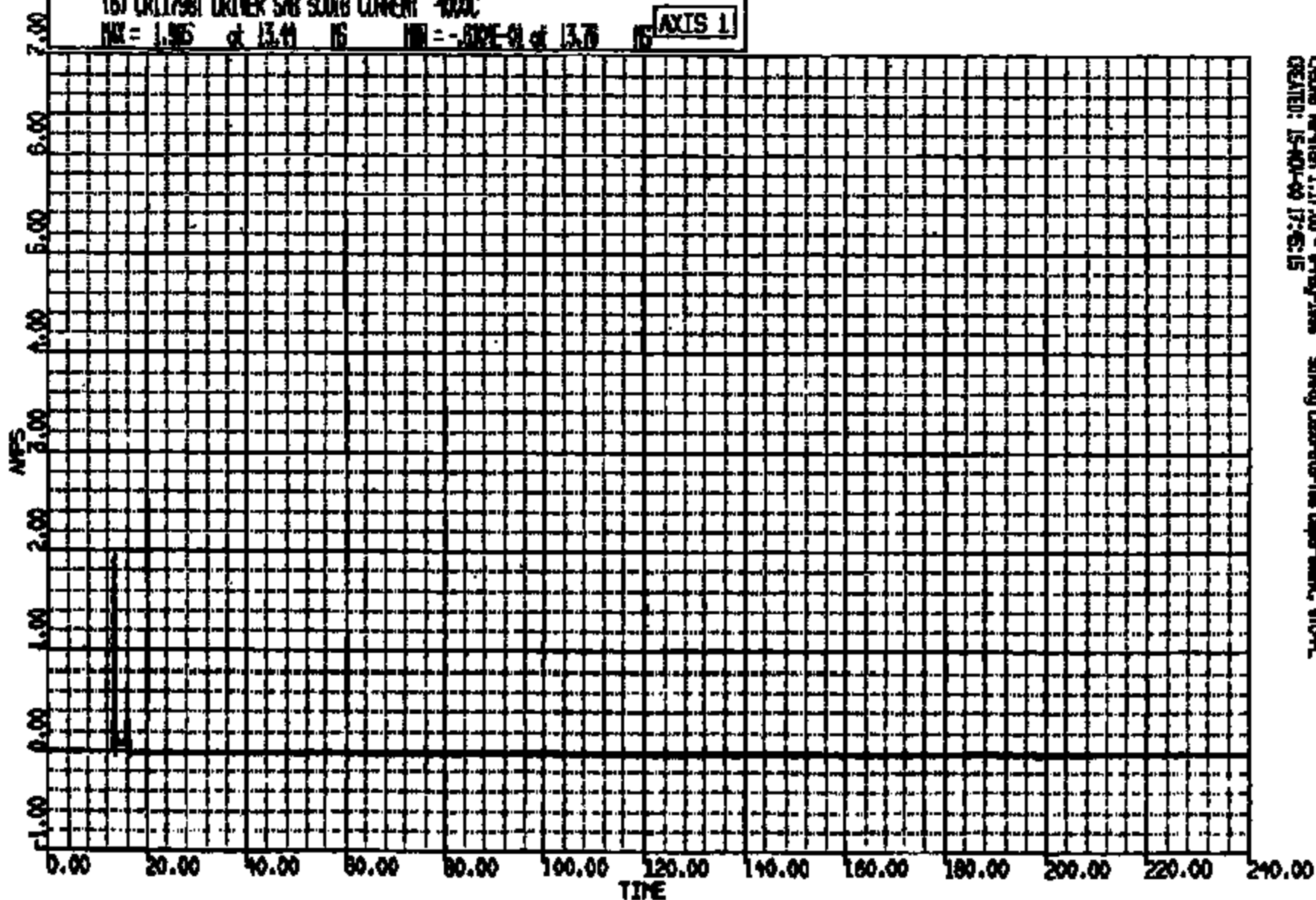
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OR R: 11798 TO: TC0478 DATE: 000803 08:37:22
2001 FN-14B

(6) CR1798T DRIVER SIB SOURCE CURRENT 400C

MAX = 1.95 at 13.14 IS MIN = -0.00E+01 at 13.75 IS

AXIS 1



CRS06 Version 1.17.00 - 8-May-2008 Safety Laboratory Department, GPOA
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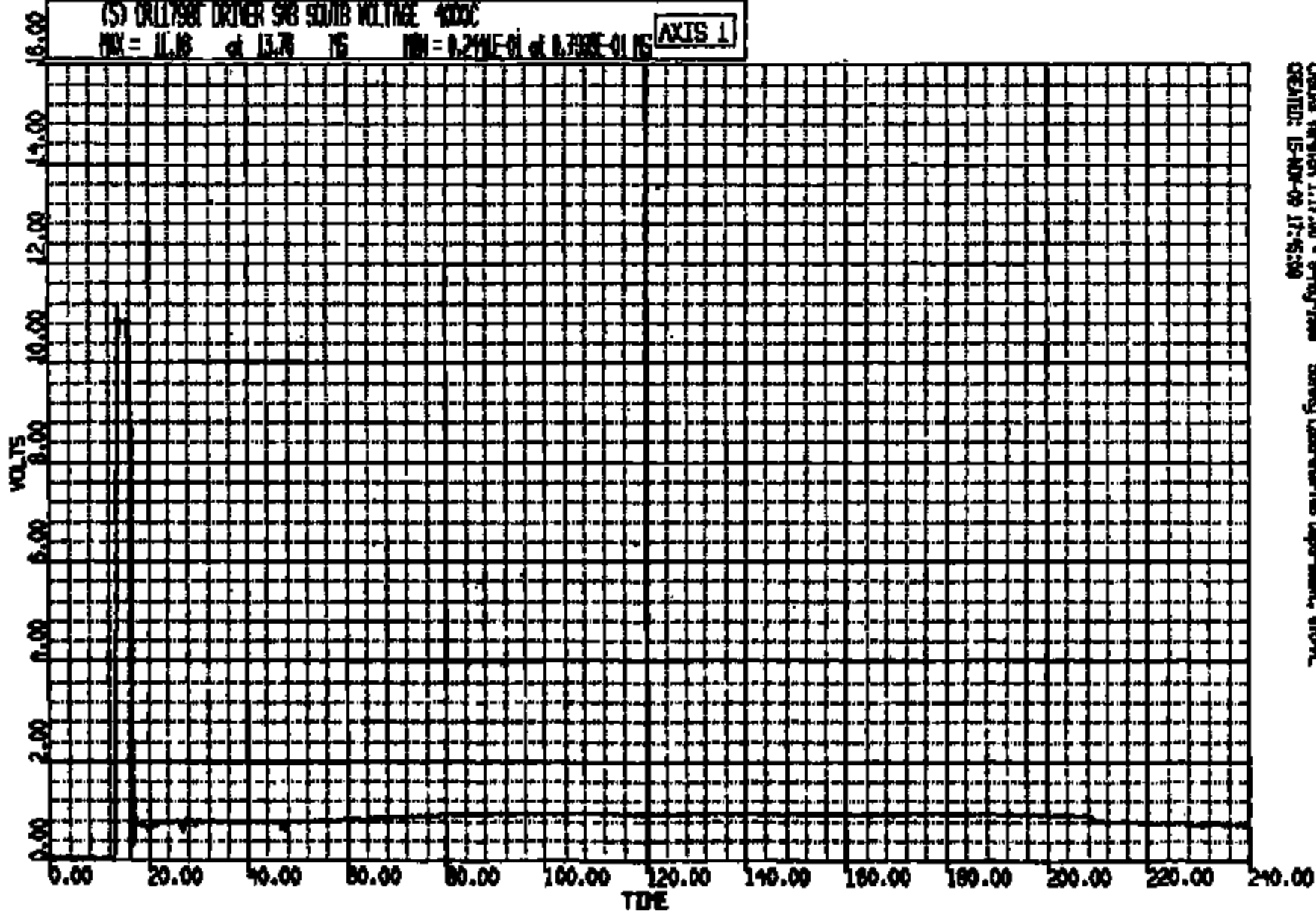
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DR N: 11798 TO: TCO-78 DATE: 000503 08:37:22
2001 FN-145

(S) CR1798 DRIVER SRS SQUB VOLTAGE 400C

MAX = 11.18 at 13.75 NS MIN = 0.241E-01 at 0.708E-01 NS

AXIS 1



CRASH Version 1.17.00 - 8-Aug-2000 Safety Laboratory Department, SROA
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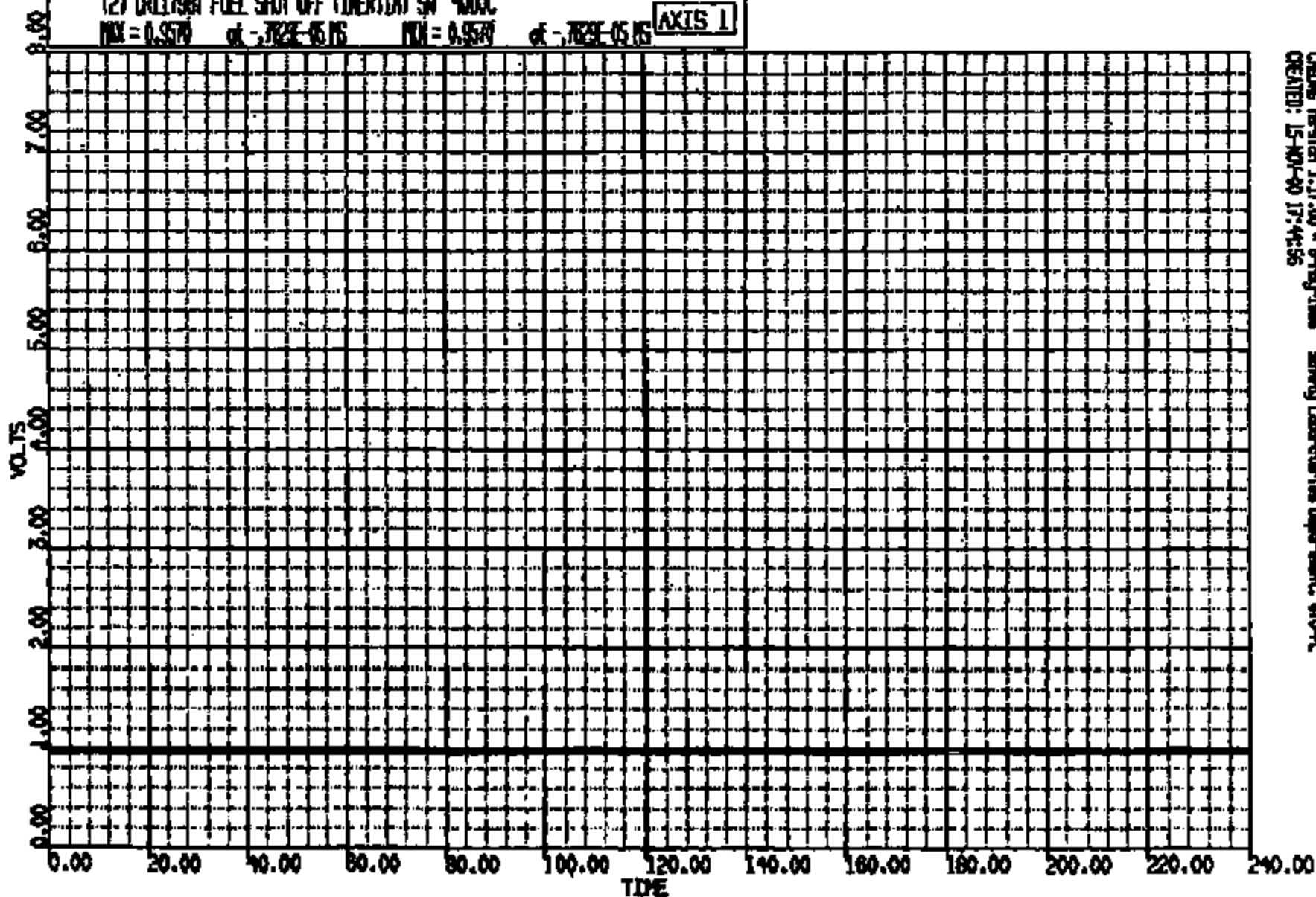
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OR R: 11798 TO: TCO+78 DATE: 000803 09:27:22
2001 FN-145

(2) DRILL788 FUEL SHUT OFF (INERTIA) SN 4000C

MIN = 0.957V at -782E-05 MS MAX = 0.957V at -782E-05 MS

AXIS 1



CRDS Version 1.17.00 - 8-May-1998 Safety Laboratory Department, SIO-L
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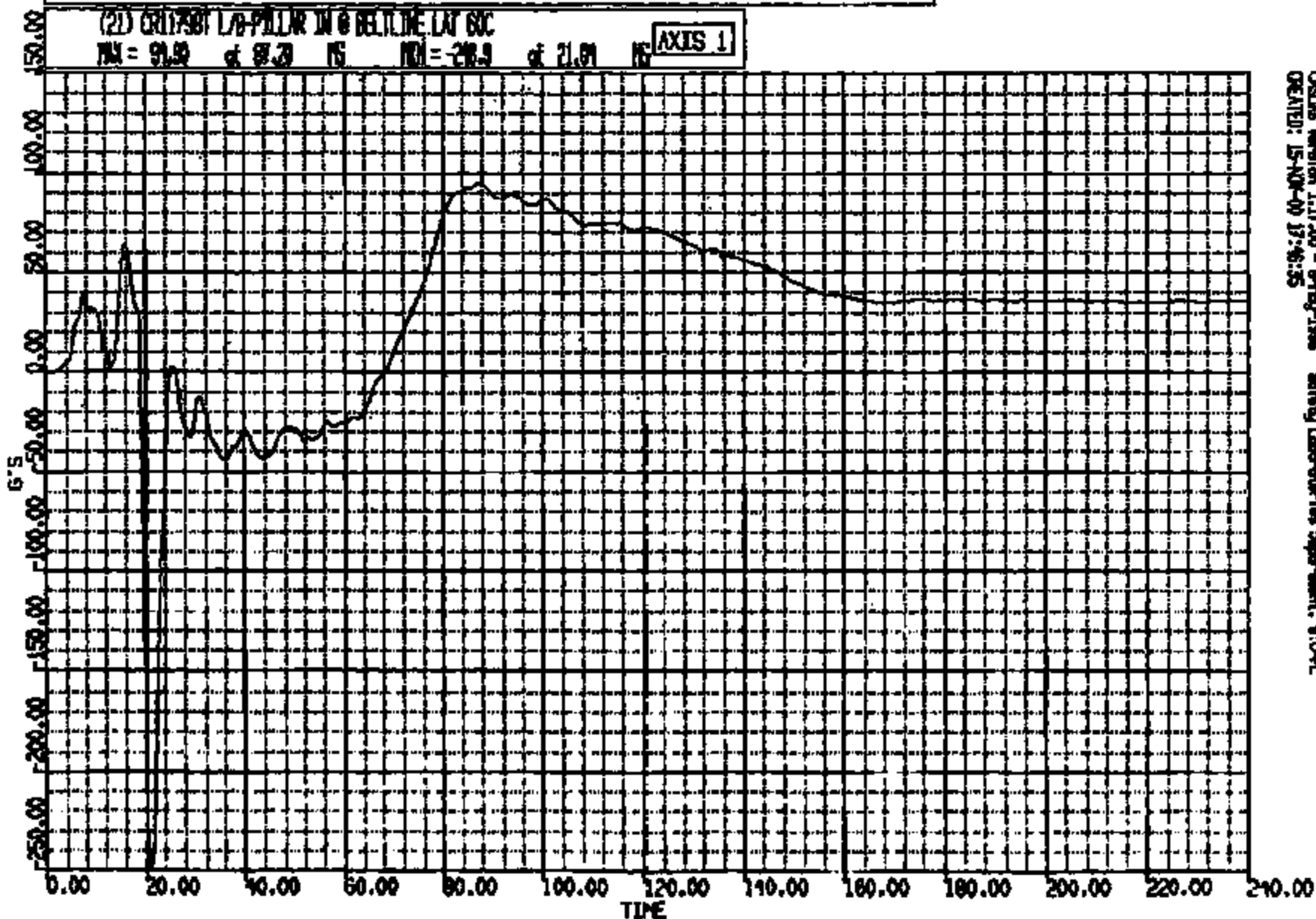
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2001 FN-145

(2) CR1798T L/D-PILLAR IN @ BELTLINE LAT 60C

MAX = 91.50 at 87.20 MS MIN = -20.5 at 21.01 MS

AXIS 1



CRSIS Version 1.17.00 - 8-May-1998 Safety Laboratory/Ins Department, SIOA
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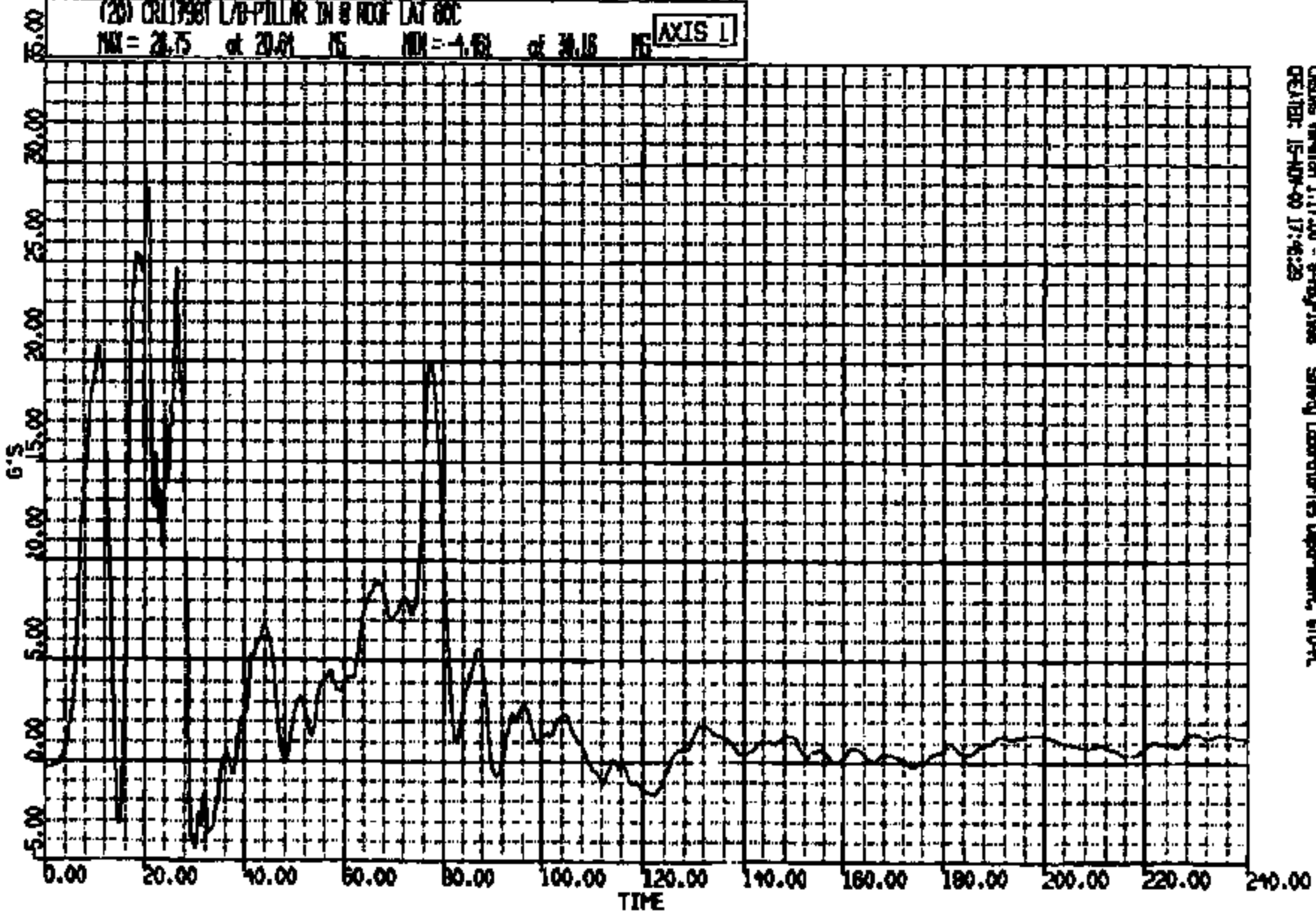
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2001 FN-145

(20) CRUISE/ST L/B-PILLAR IN @ NOOF LAT 80C

MAX = 28.75 at 20.61 Hz MIN = -4.62 at 38.18 Hz

AXIS 1



CASING: Version 1.17.00 - 8-Feb-1998 Safety Laboratories Department, GTO-FL
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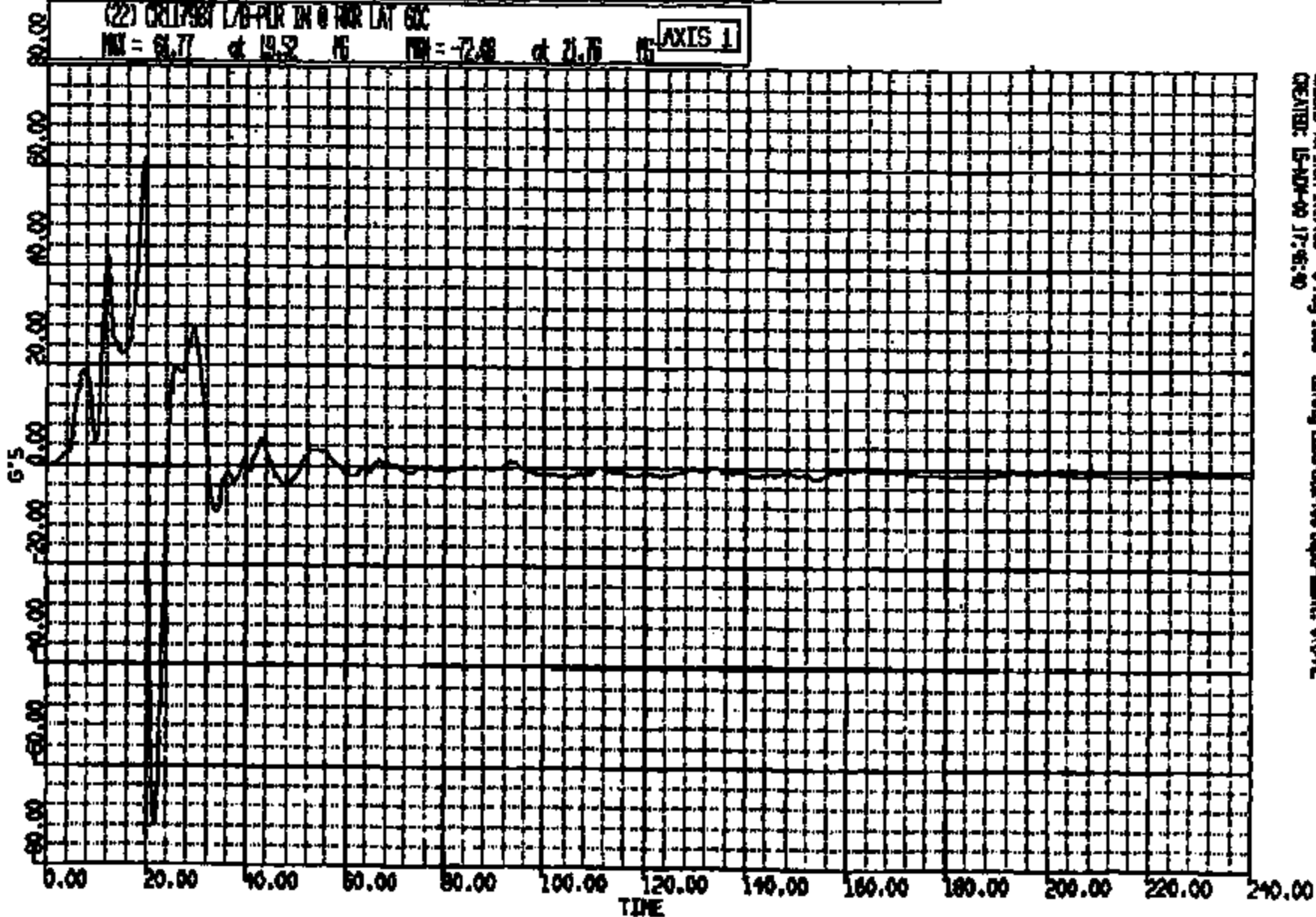
CRIS 0011798

OR R: 11798 TO: TCO-78 DATE: 000803 09:57:22
2001 FN-148

(22) CR17987 L/D-PLR IN @ FOR LAT GC

MAX = 61.77 at 19.52 MS MIN = -72.48 at 21.76 MS

AXIS 1



CRS06 Version 1.17.00 - 8-May-2002 Safety Laboratories Department, SIO-PL
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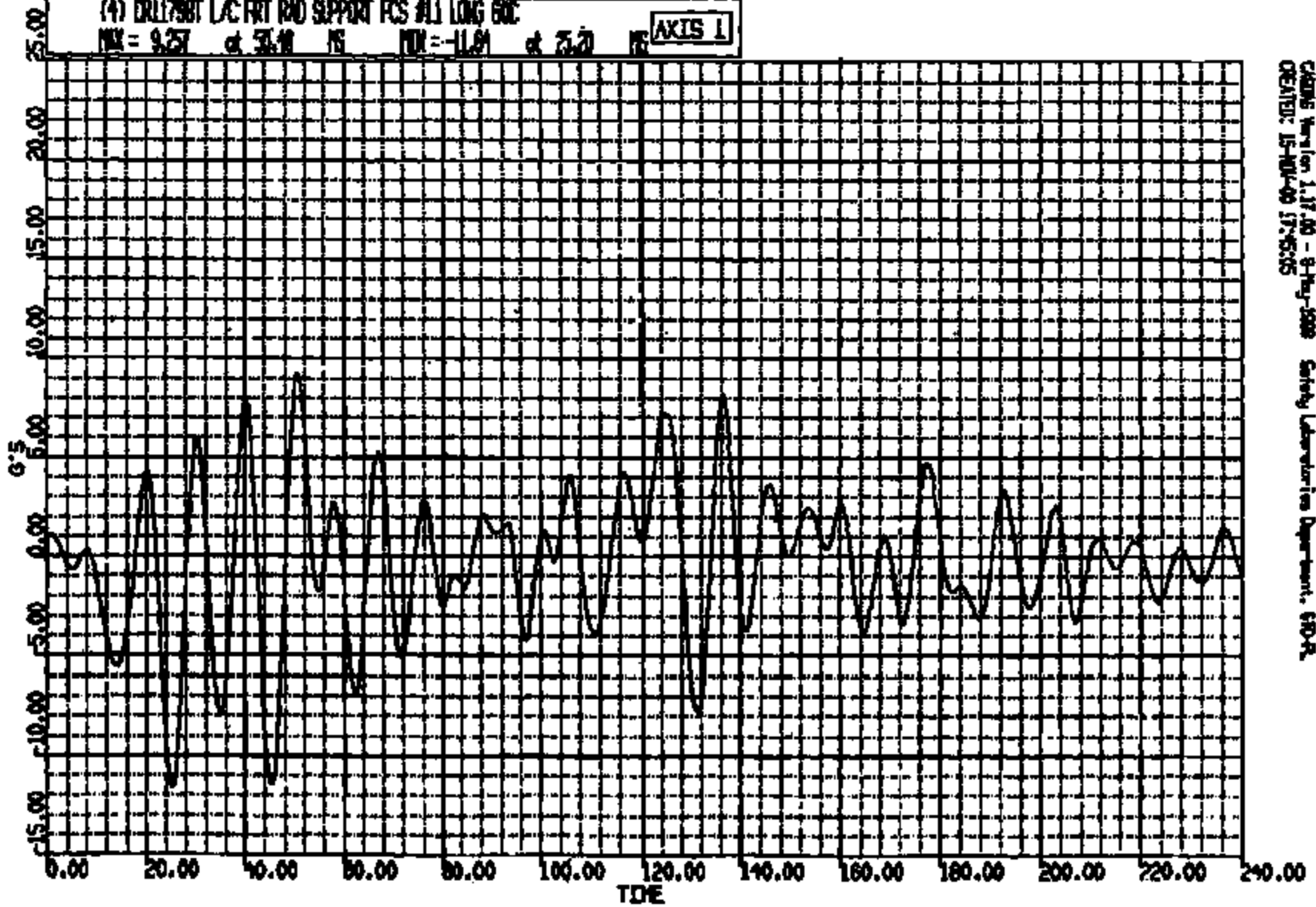
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OP #: 11798 TO: TCO+78 DATE: 000808 09:37:22
2001 FN-148

(4) DRL1798T LAC RTD SUPPORT PCS ALL LONG GOC

MAX = 9.257 at 35.10 MS MIN = -11.81 at 35.20 MS

AXIS 1



CRAMS Version 1.17.00 - 9-May-2008 Safety Laboratories Department, SRO-A
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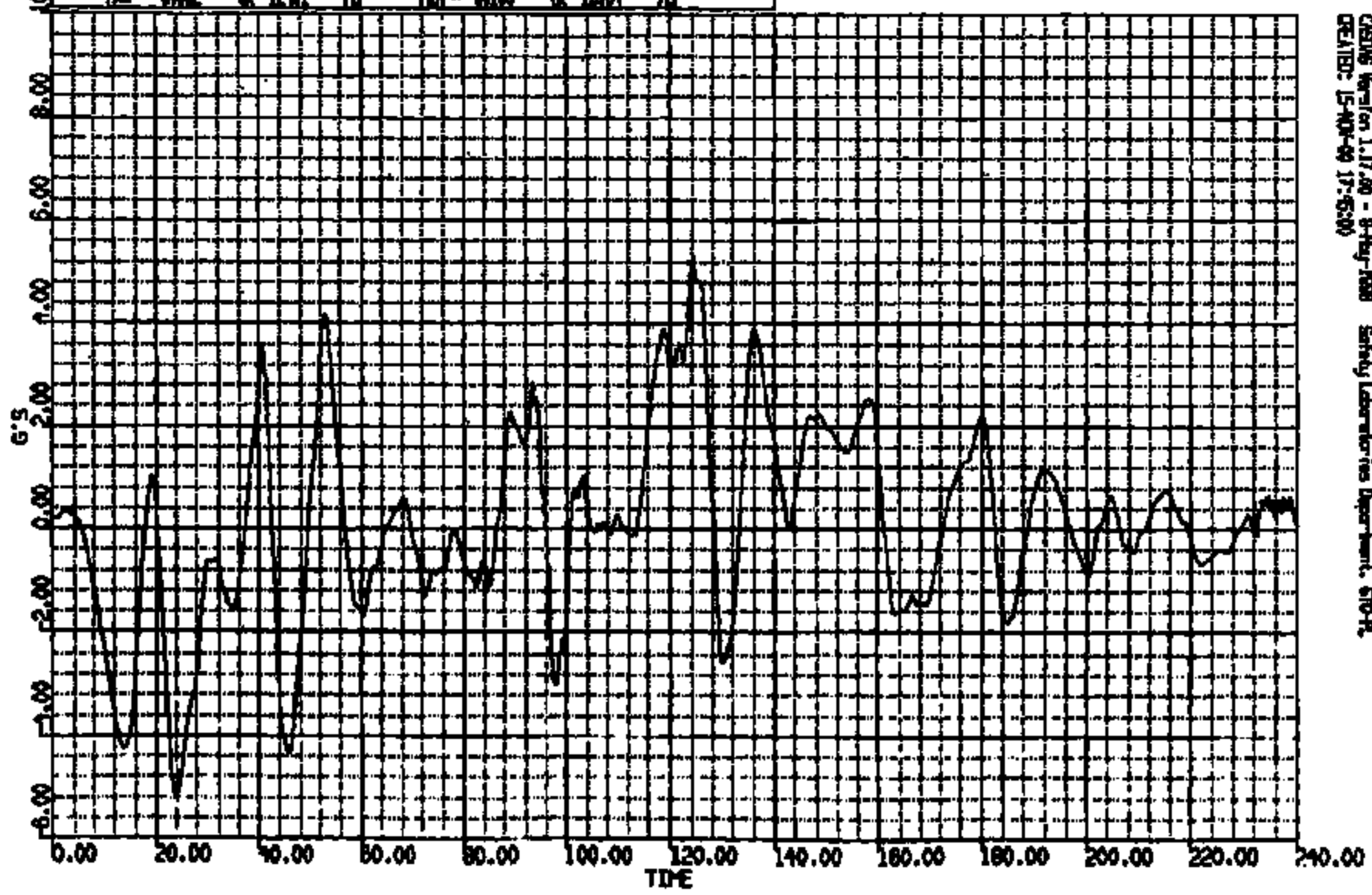
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CR R: 1.1728 TO: TCO-798 DATE: 000805 09:27:28
2001 FN-143

(3) OR1798T L/C FRT RND SUPPORT SN AS LONG 60C

MM = 5.32 at 12.1 MS MM = 5.19 at 23.8 MS

AXIS 1



CASING No=1 on 1.17.00 - 8-May-1998 Safety Laboratories Department, 670-A
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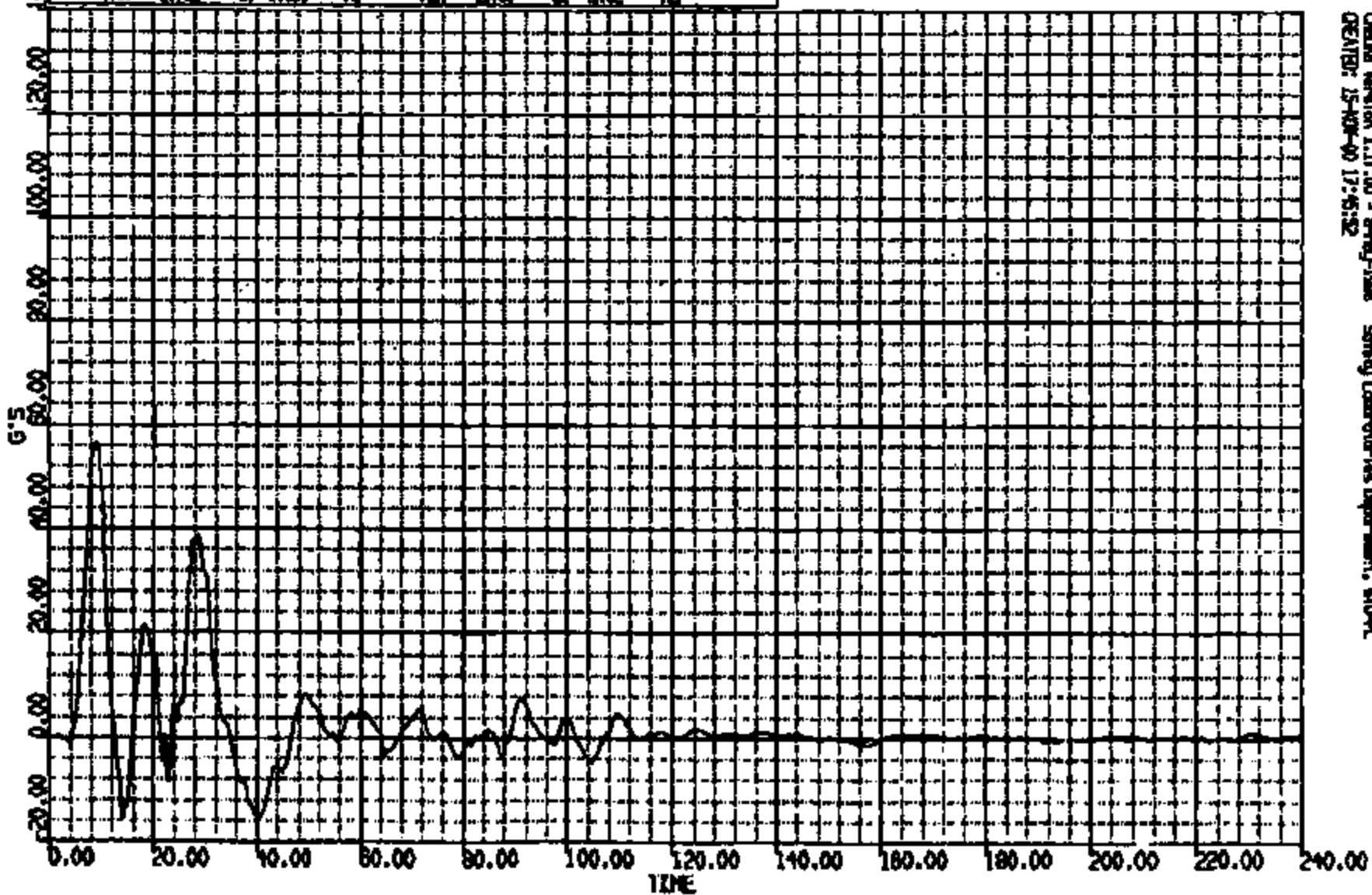
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CP R: 11798 TO: TCO478 DATE: 000803 08:37:38
2001 FN-145

(13) CR11798T L7 INGR @ BELT LINE MID LAT OXC

MAX = 58.32 at 8.90 MS MIN = -15.50 at 10.32 MS

AXIS 1



CRIME Version 1.17.00 - 8-May-1998 Safety Laboratories Department, SIO-PL
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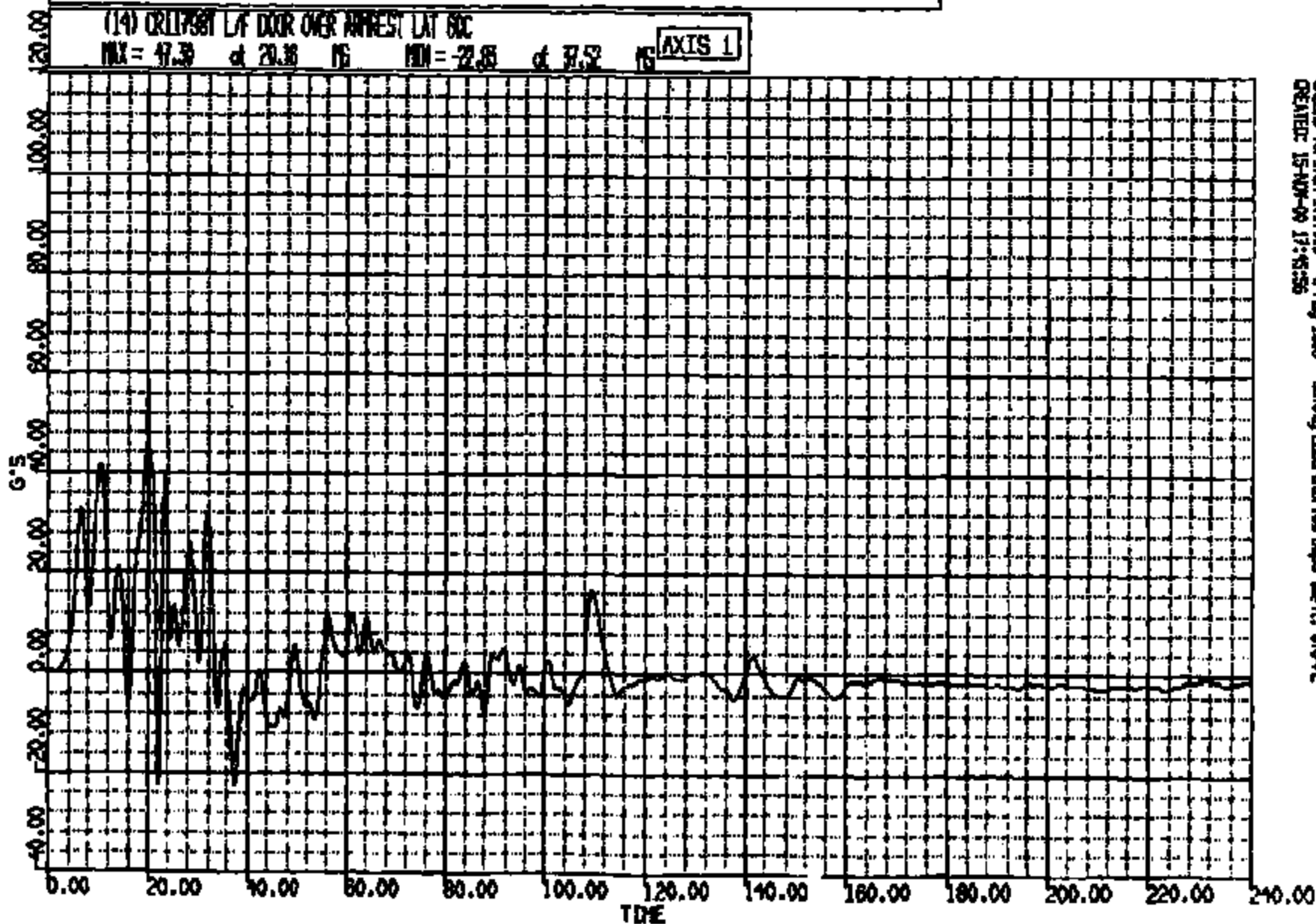
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2001 57-148

(14) ORL17981 LF DOOR OVER AIRREST LAT 60C

MAX = 47.39 d 20.36 16 MIN = -22.85 d 37.52 16

AXIS 1



CRJMS Version 1.11.00 - 8-May-1988 Safety Laboratory Department, 610-91
CREATED: 15-NOV-00 17:45:56

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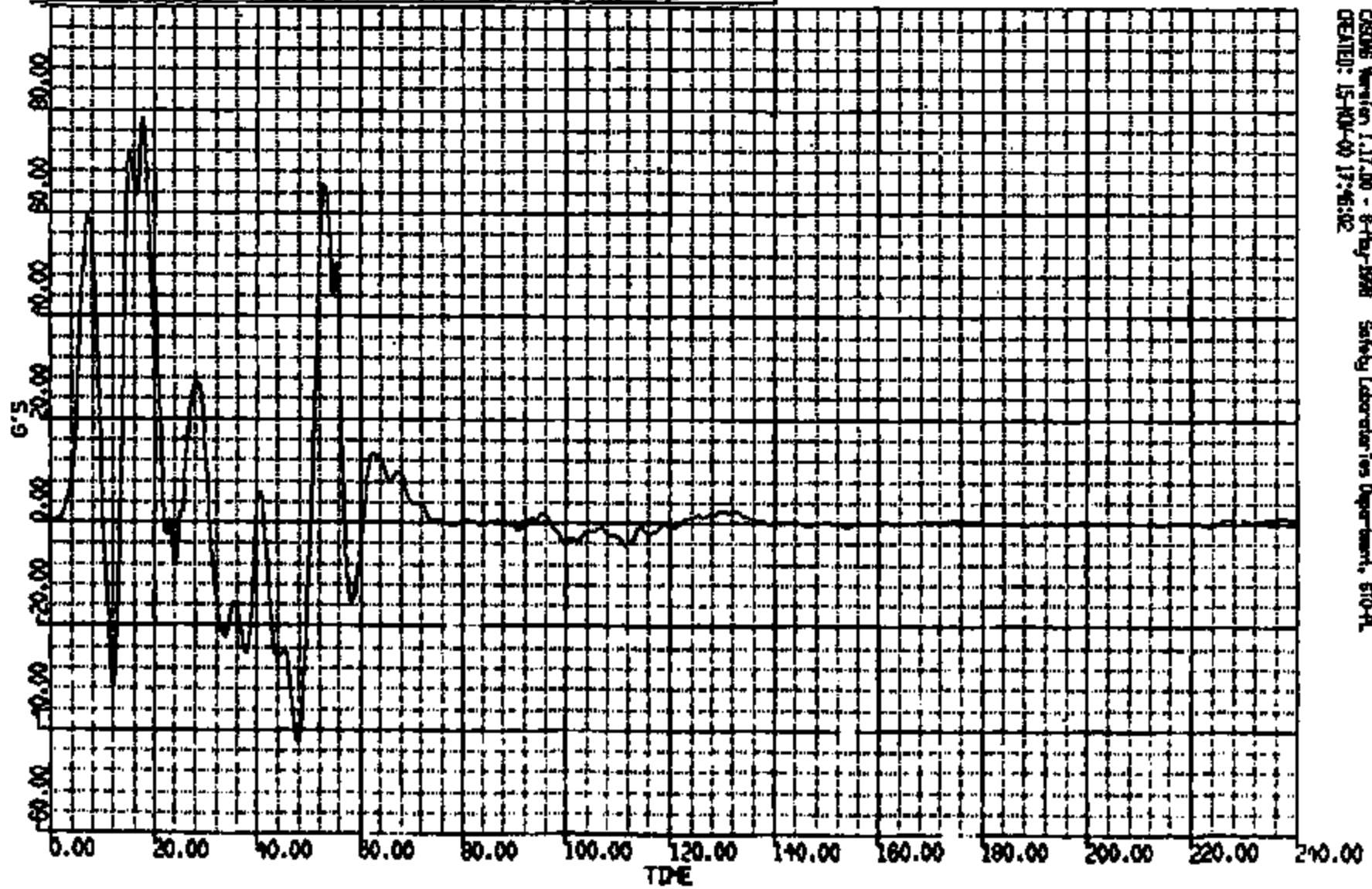
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Q# R: 11798 TO: TC0478 DATE: 000803 08:37:22
2001 FN-145

(15) CR117981 L/F DOOR REAR OF SEAT HPT LAT 60C

MIN = 78.82 at 17.75 MS MAX = 42.13 at 47.75 MS

AXIS 1

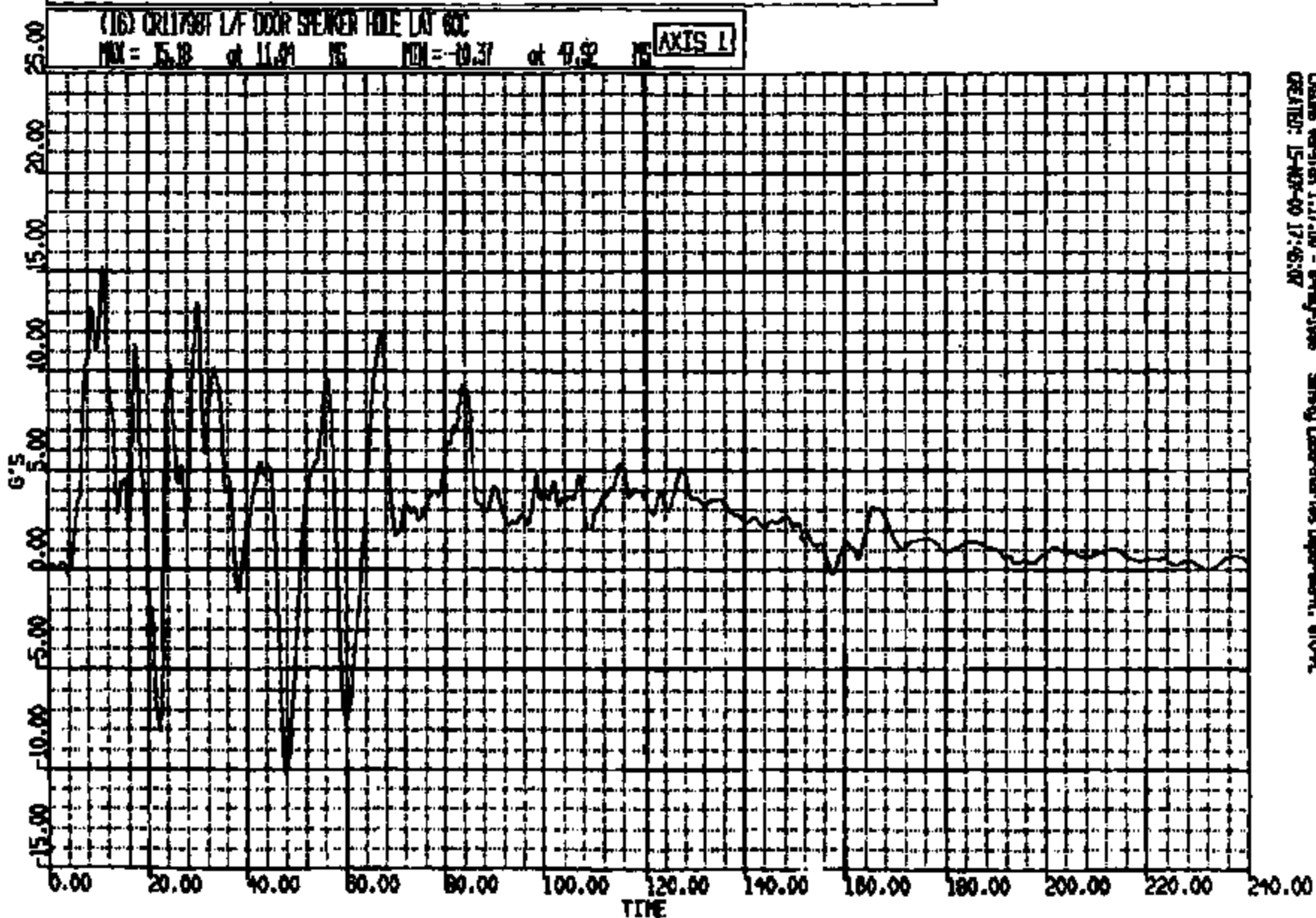


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CRIS 0011798

CR R: 11798 TO: TC0178 DATE: 000503 08:37:22
2001 FN-145



CASINS Version 1.17.00 - 8-Aug-1998 Safety Laboratories Department, 610-A,
CREATED: 15-MAR-00 17:46:07

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CRIS 0011798

CR R: 11798 TO: TCO478 DATE: 000EOR 08:27:22
2001 FN-145

(27) CR11798T L/F FLR PAM @ 42 WHER CIR 49 LAT 60C

MAX = 28.53 at 45.00 15 MIN = -12.75 at 53.30 15

AXIS 1



CR006 Version 1.17.00 - 8-May-1998 Safety Laboratories Department, 610-PL
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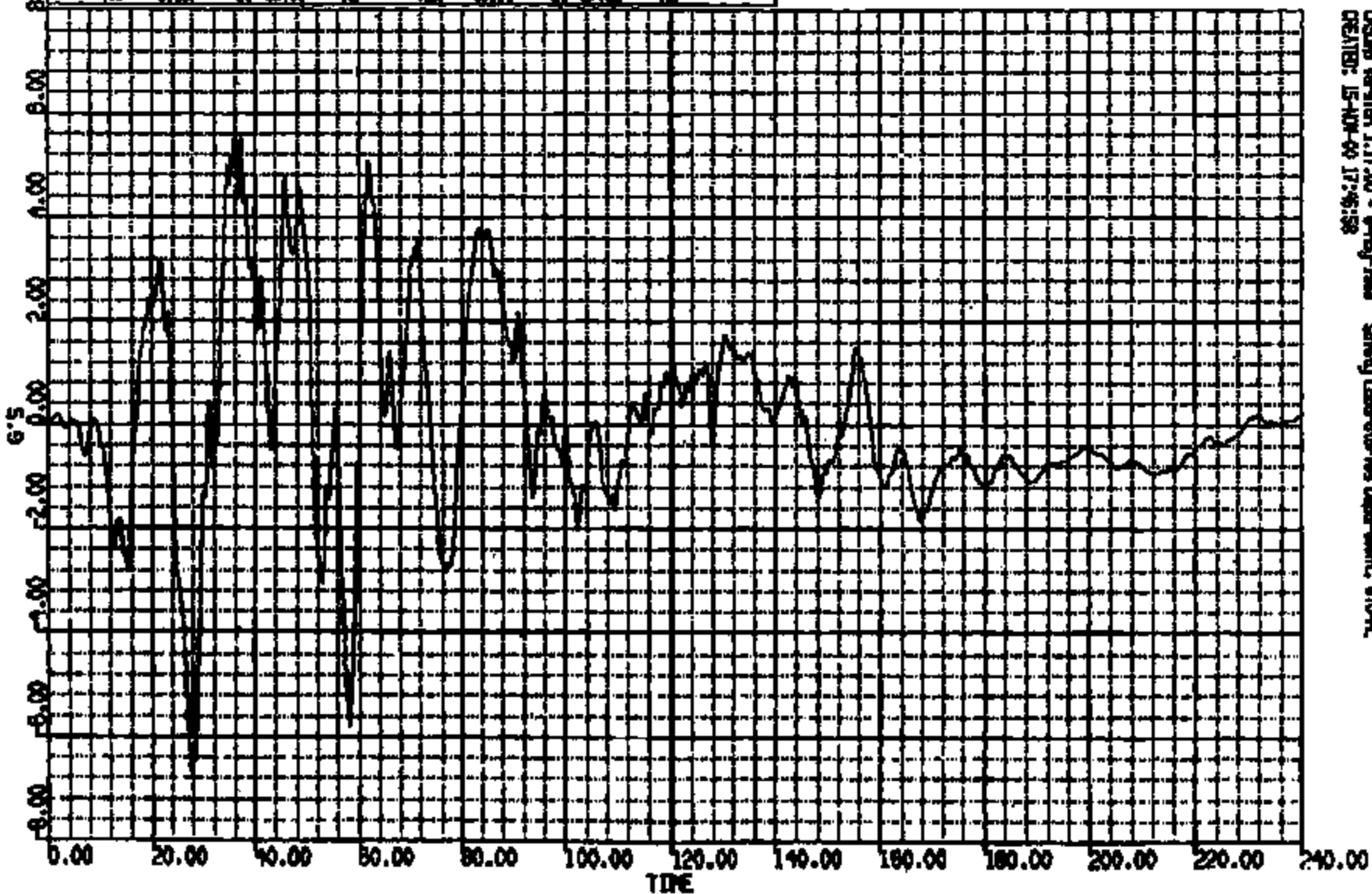
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CR R: 11798 TO: TCO478 DATE: 000803 08:37:22
2001 FN-145

(25) CR1798 LAF FLR PAN 0 12 WHEN CIR 19 LONG BOC

MAX = 5.087 at 35.00 MS MIN = -6.081 at 73.52 MS

AXIS 1



CRIMS Version 1.17.00 - 8-Feb-2008 Safety Laboratories Department, 610-A,
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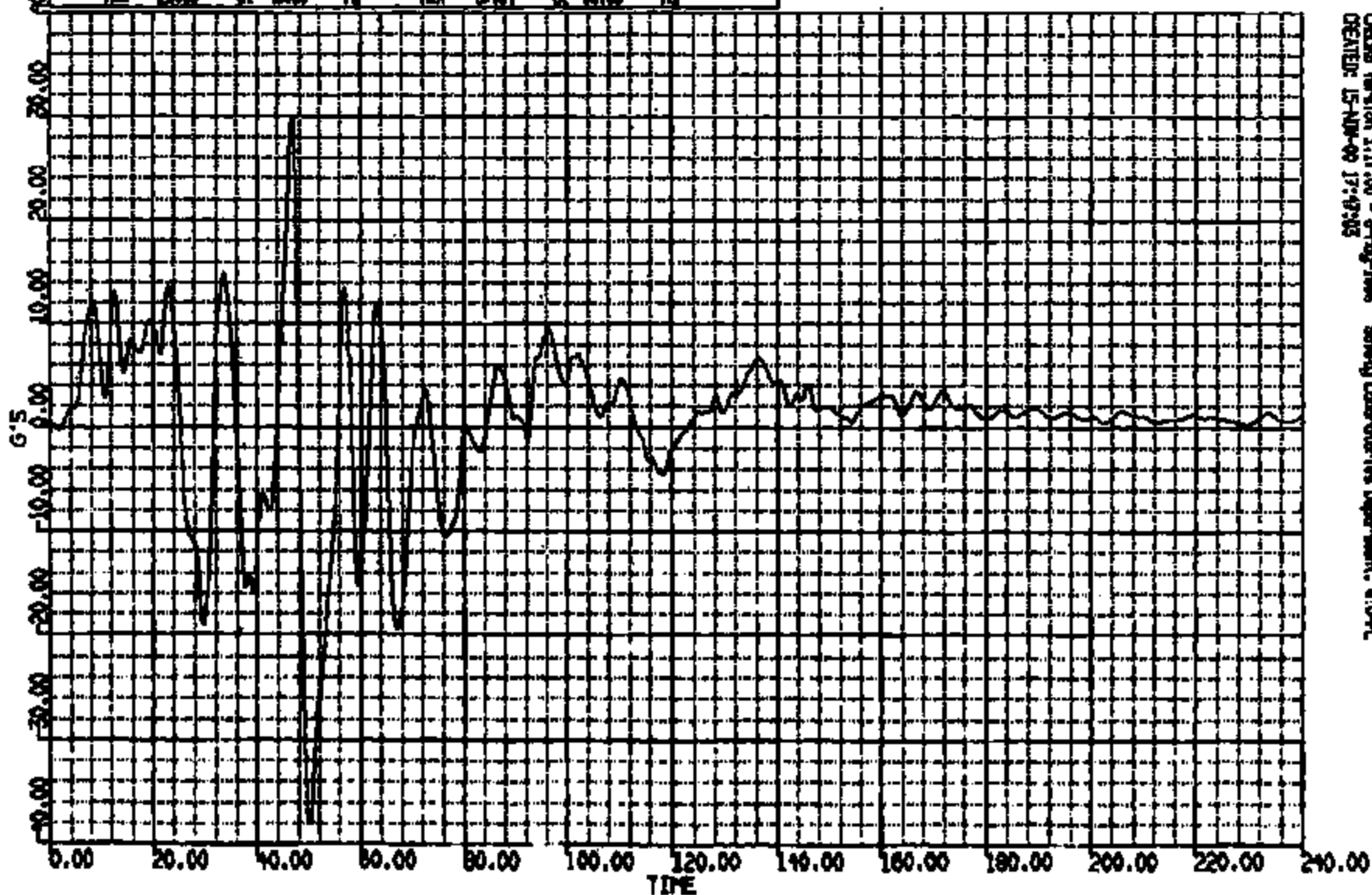
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CR R: 1.1798 TO: TC0178 DATE: 00030E 09:27:22
R001 FN-145

(26) CR117981 L/F FLR PAN 0 12 XPER CIR 10 VERT GC

MAX = 23.99 at 16.56 MS MIN = -37.91 at 58.08 MS

AXIS 1



CRSIS Version 1.17.00 - 8-May-1998 Safety Laboratories Department, 610-A
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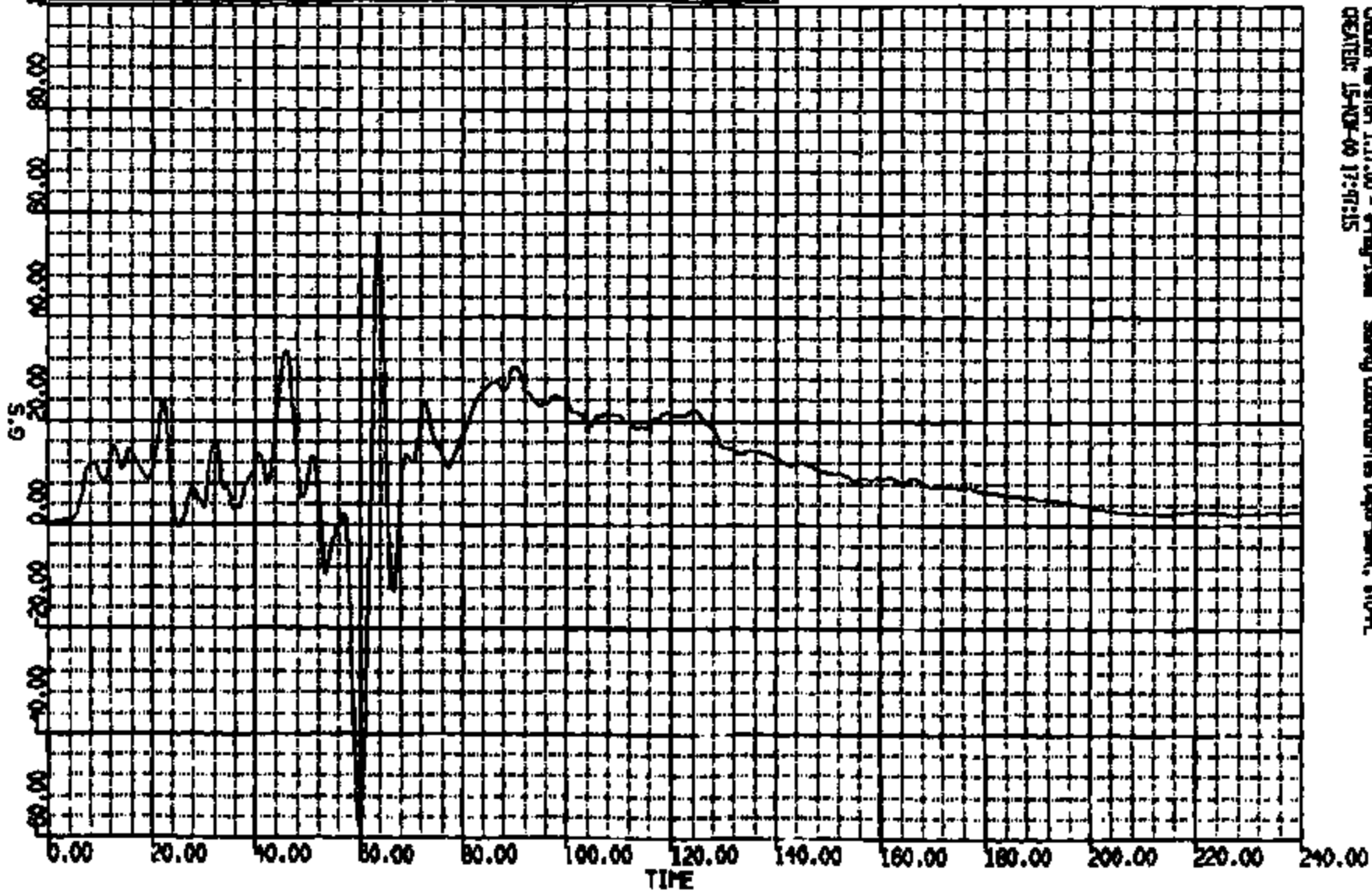
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QZ 7: 11798 TO: TC0178 DATE: 000305 09:27:22
2001 FN-145

(28) CR017981 LAF FLR PAN 0 12 WNR 55 W12 LAT 60C

PMI = 55.74 at 60.00 NS PMI = 57.57 at 61.00 NS

AXIS 1



CRSIS Version 1.17.00 - 8-Aug-1998 Safety Laboratories Department, SIOA
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CRIS 0011798

CR R: 11798 TO: TC0478 DATE: 000508 08:57:22
2001 FN-145

(25) CR11798 L/R DOOR @ BELTLINE MID LAT 60C

MIN = 37.05 at 23.91 15 MIN = 3.95 at 52.95 15

AXIS 1



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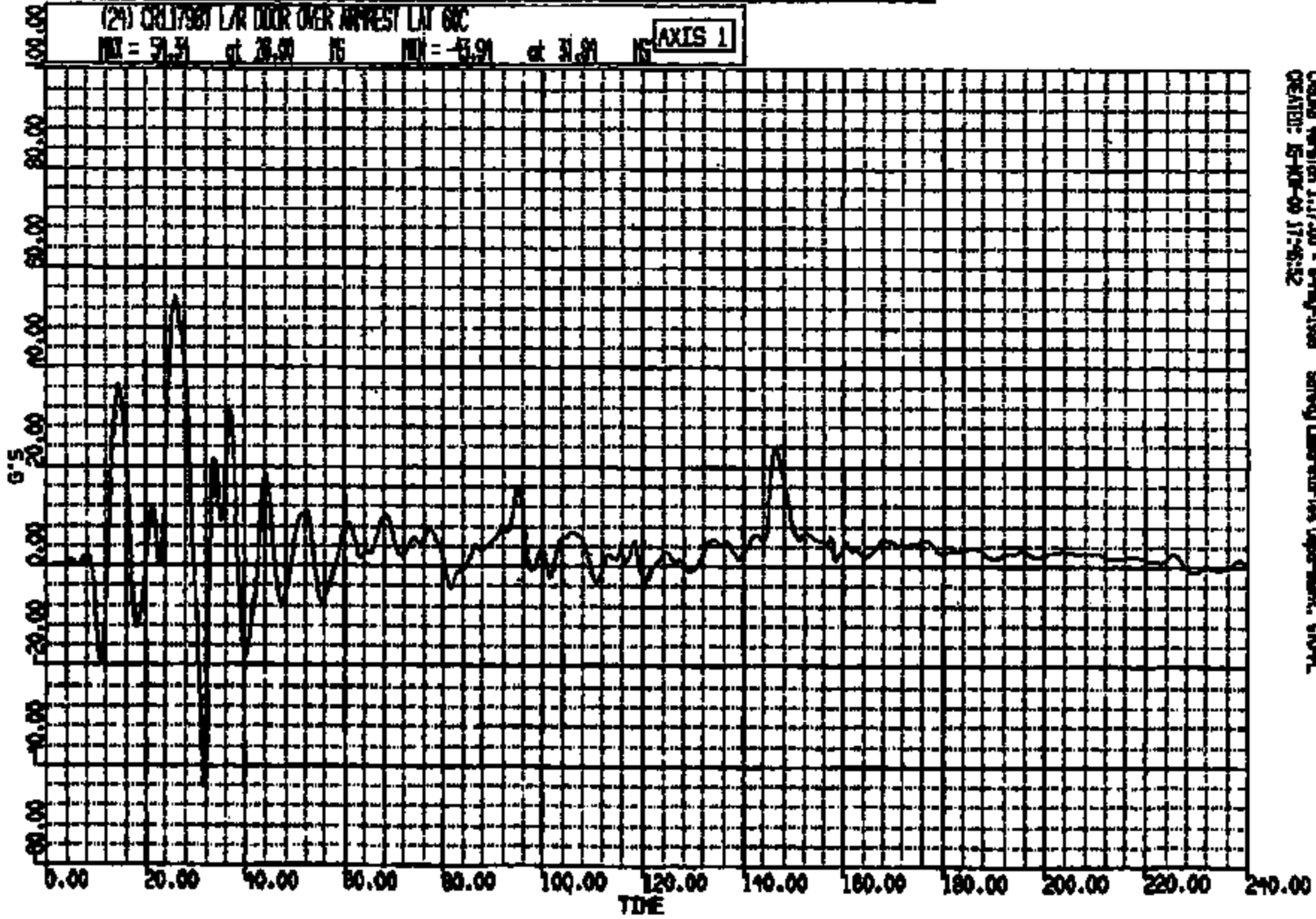
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CR N: 11798 TO: TC0178 DATE: 000305 09:27:28
2001 FN-148

(24) CR117981 LAR DCR OVER ANVET LAY 60C

MAX = 51.51 at 28.00 IS MIN = -43.91 at 31.81 IS

AXIS 1



CR005 Version 1.17.00 - 8-Aug-1998 Safety Laboratory Department, CDR
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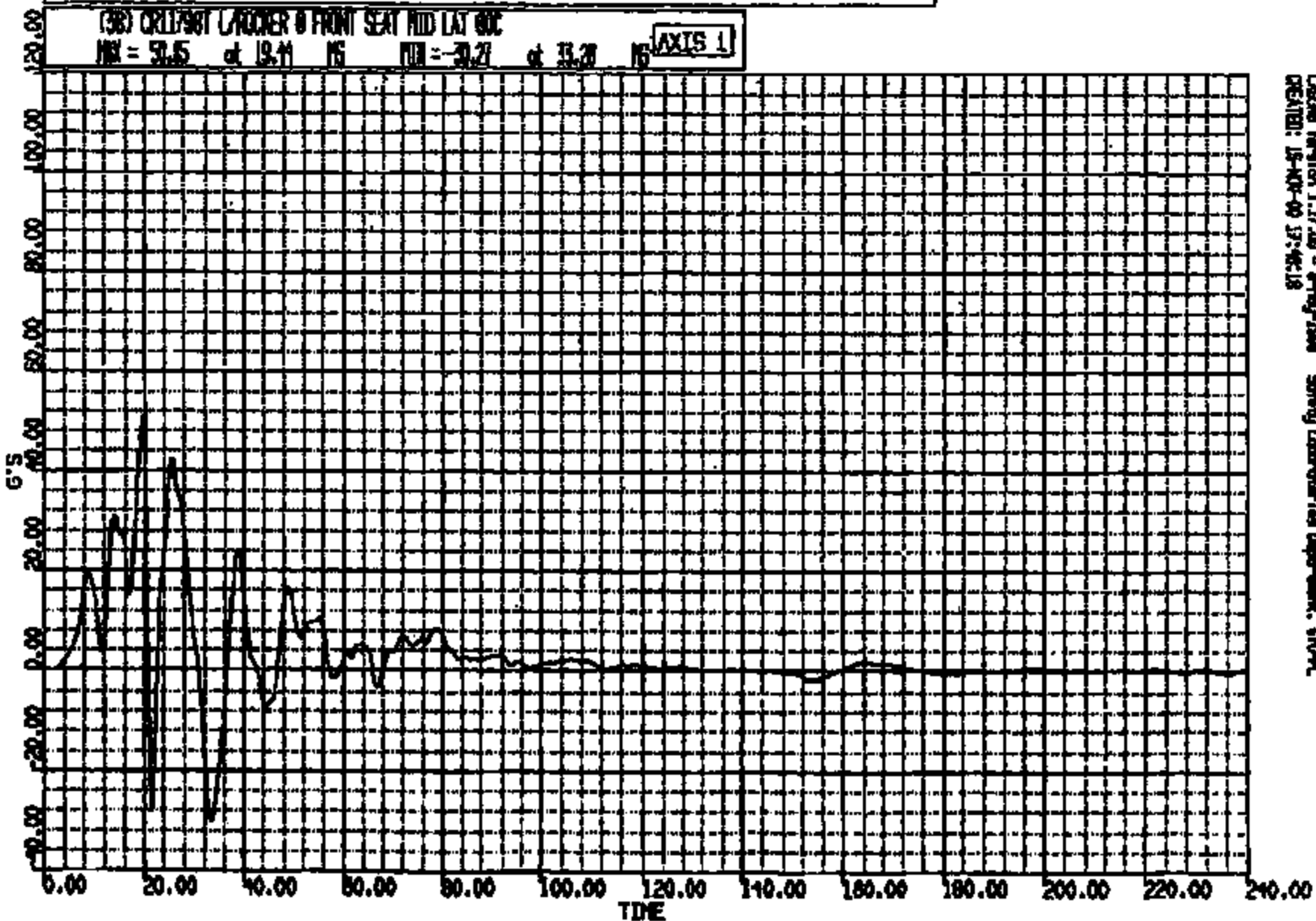
CRIS 0011798

CR N: 11798 TO: T00478 DATE: 000202 09:27:22
2001 FN-148

(38) CR11798T LADDER @ FRONT SEAT MID LAT GUC

MAX = 51.5 at 13.11 MS MIN = -30.21 at 33.28 MS

AXIS 1



CR11798 Version 1.17.00 - 2-May-2000 Safety Laboratory Department, SRO-A
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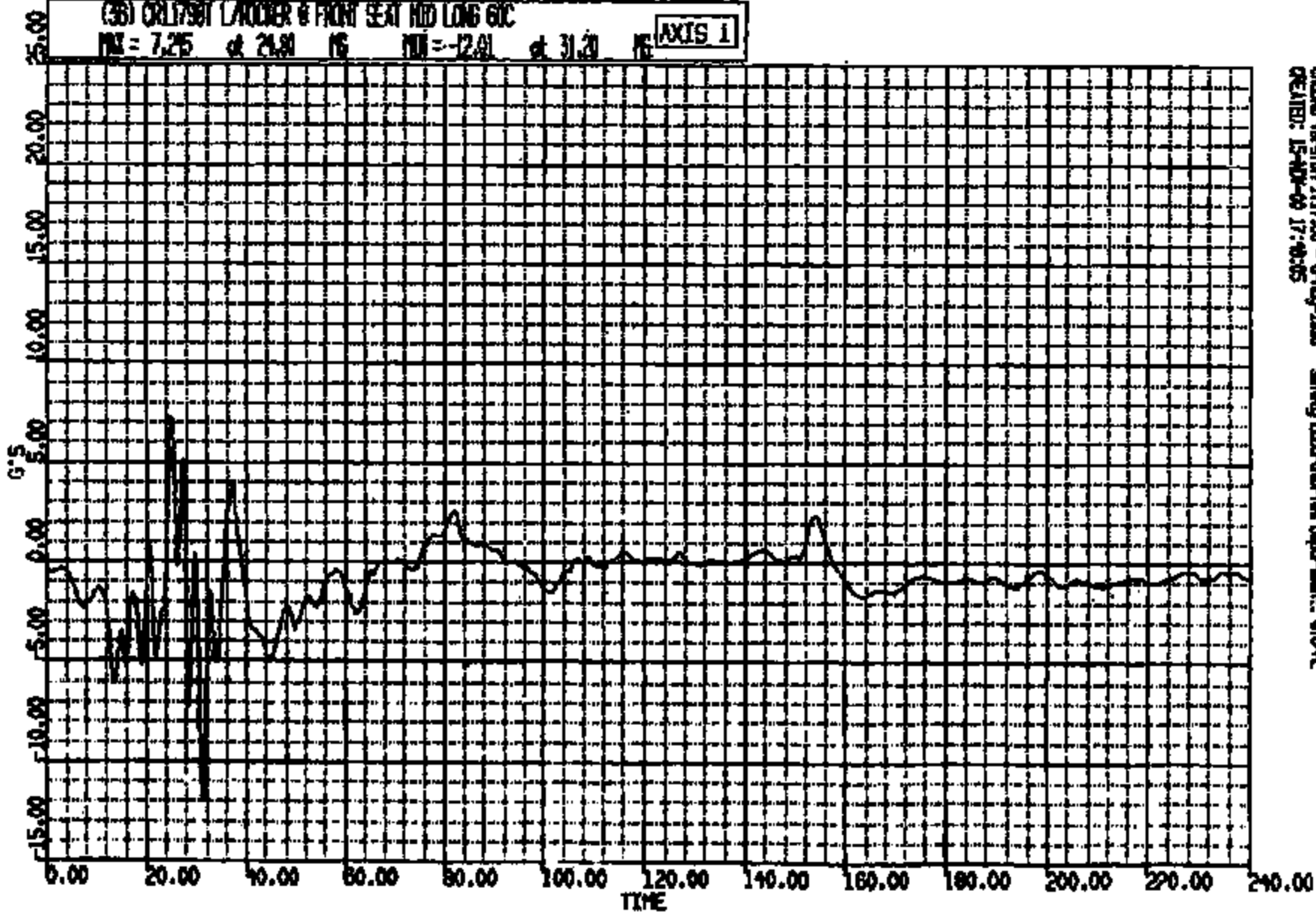
CR11798

CR R: 11798 TD: TCO+78 DATE: 000803 08:37:28
2001 FN-146

(36) CR11798T L/ROCKEY & FRONT SEAT MID LONG GIC

ME = 7.25 at 21.20 MS MIN = -12.01 at 31.20 MS

AXIS 1



CRASH Version 1.17.00 - 8-Aug-1998 Safety Laboratories Department, SIO-IL
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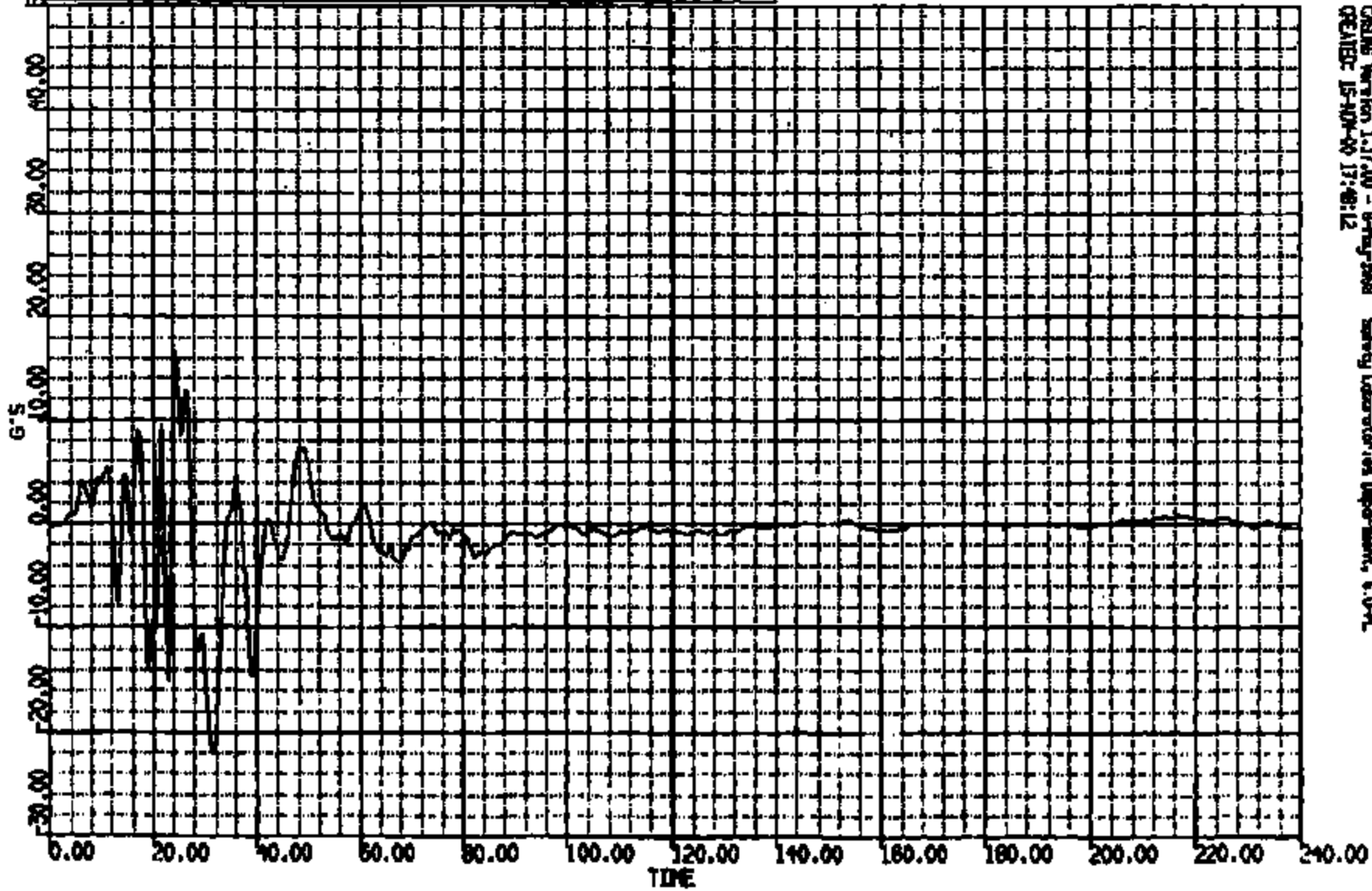
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2001 FN-145

(37) CR017581 L/ROCKER @ FRONT SEAT MID VERT GOC

MAX = 38.85 at 21.10 MS MIN = -21.95 at 31.35 MS

AXIS 1



CRSIS Version 1.17.00 - 8-Aug-2008 Safety Laboratories Department, ETO-L
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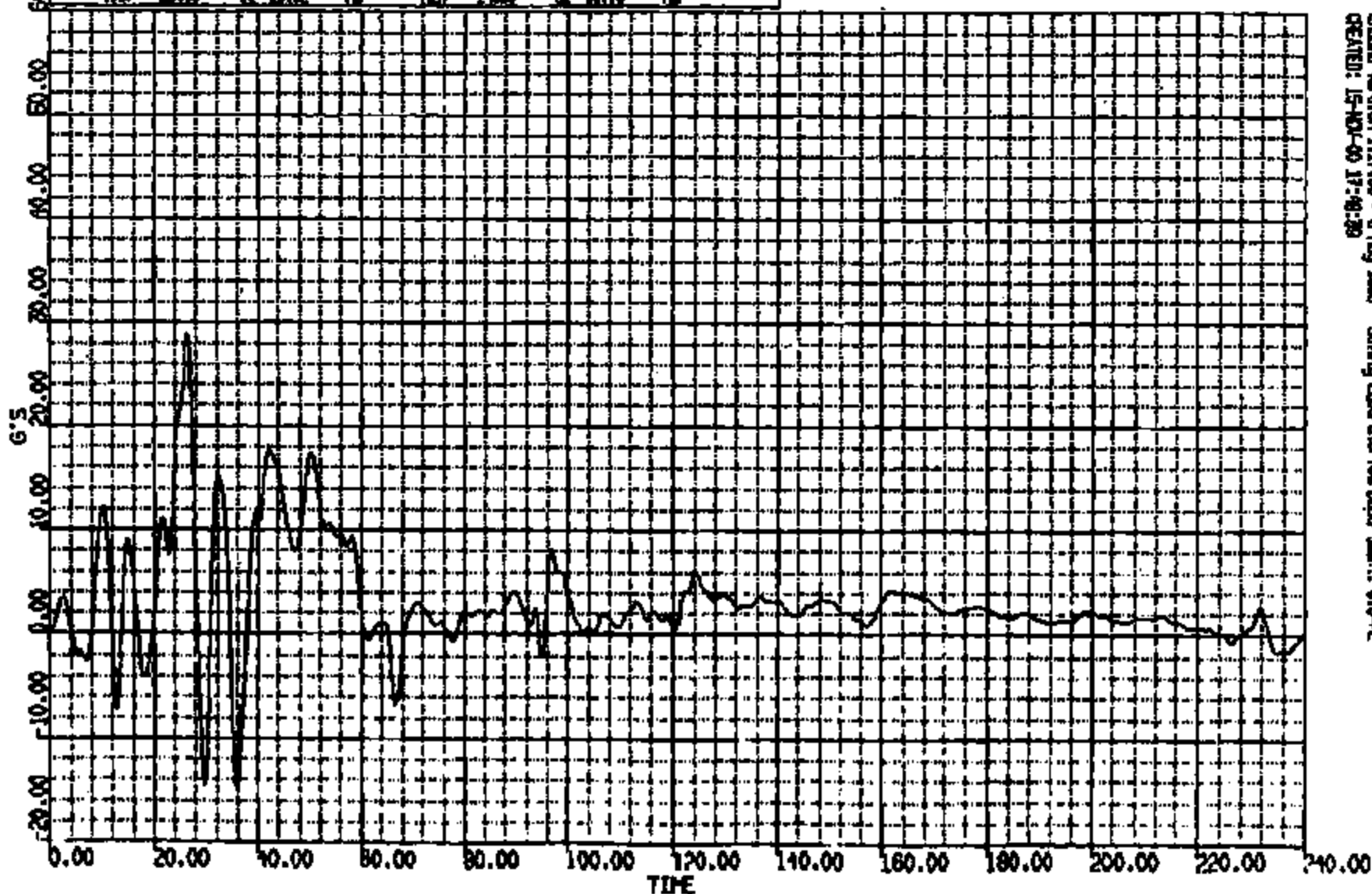
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OR R: 11798 TO: TCO478 DATE: 000503 08:57:22
2001 FN-145

(41) OR117981 L/ROCKER @ REAR SEAT MID LAT 60C

MAX = 29.05 at 26.32 MS MIN = -14.65 at 5.78 MS

AXIS 1



CRSME Version 1.17.00 - 8-Feb-1999 Safety Laboratories Data Unit: 610-2
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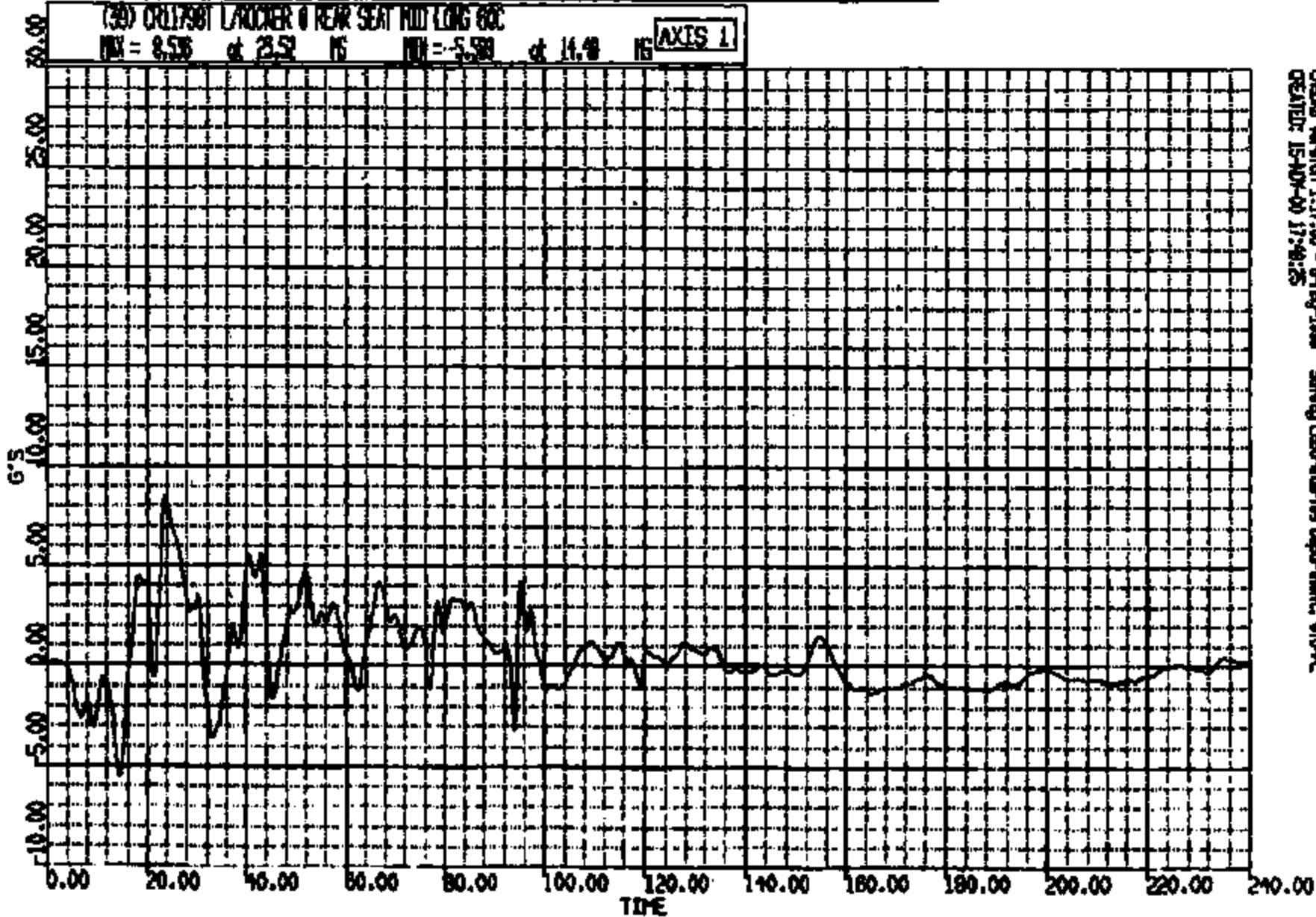
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CR R: 11798 TO: TC0478 DATE: 000502 08:37:22
2001 FN-145

(30) CR017981 L/ROCKER @ REAR SEAT MID LONG 60C

MAX = 8.56 at 23.52 MS MIN = -5.58 at 14.48 MS

AXIS 1



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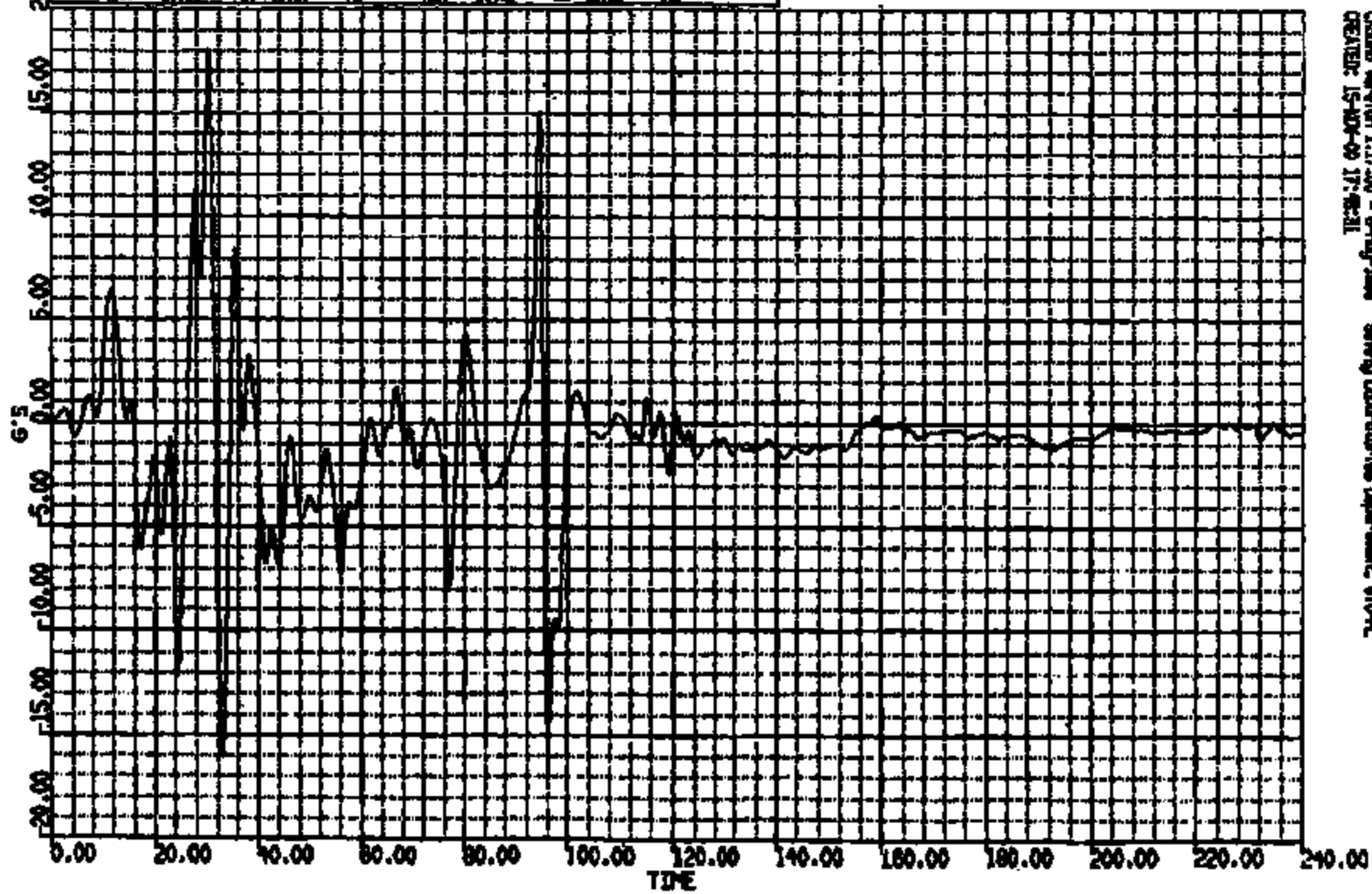
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2001 FN-145

(40) CRUISE L/ROCKER @ REAR SEAT MID VERT GOC

MAX = 30.02 at 33.16 MS MIN = -16.15 at 32.88 MS

AXIS 1



CRASH Version 1.17.00 - 8-Aug-2000 Safety Laboratories Department, 610-PL
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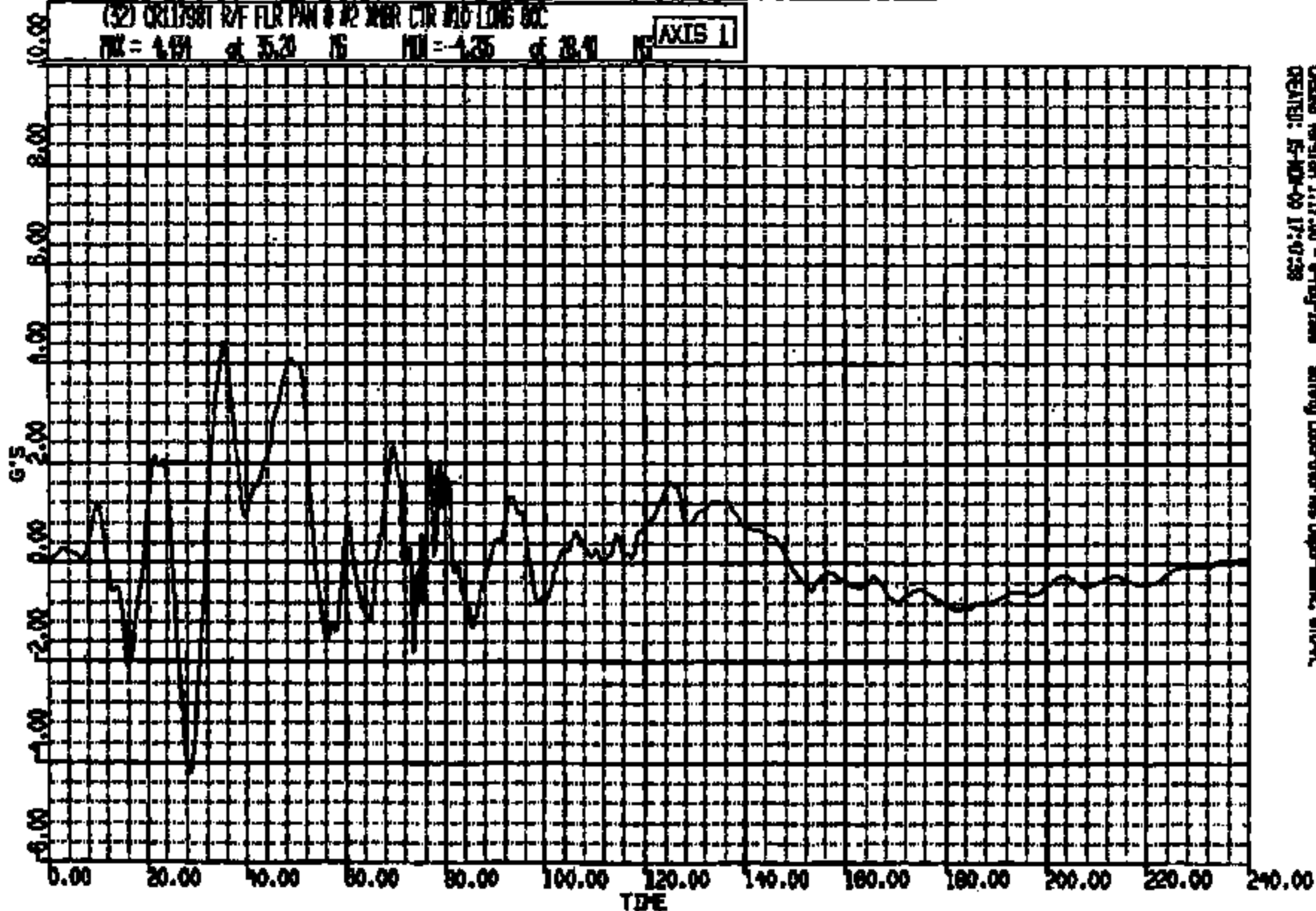
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CR #1 11798 TO: TCO478 DATE: 000503 08:37:22
2001 FN-145

(32) CR11798T R/F FLR PAN # 42 WBR CTR #10 LONG OCT

PK = 4.691 at 35.20 16 MIN = 4.25 at 38.40 16

AXIS 1



CREAM Version 1.17.00 - 8-Aug-2000 Safety Laboratory Inc Department, 610-A,
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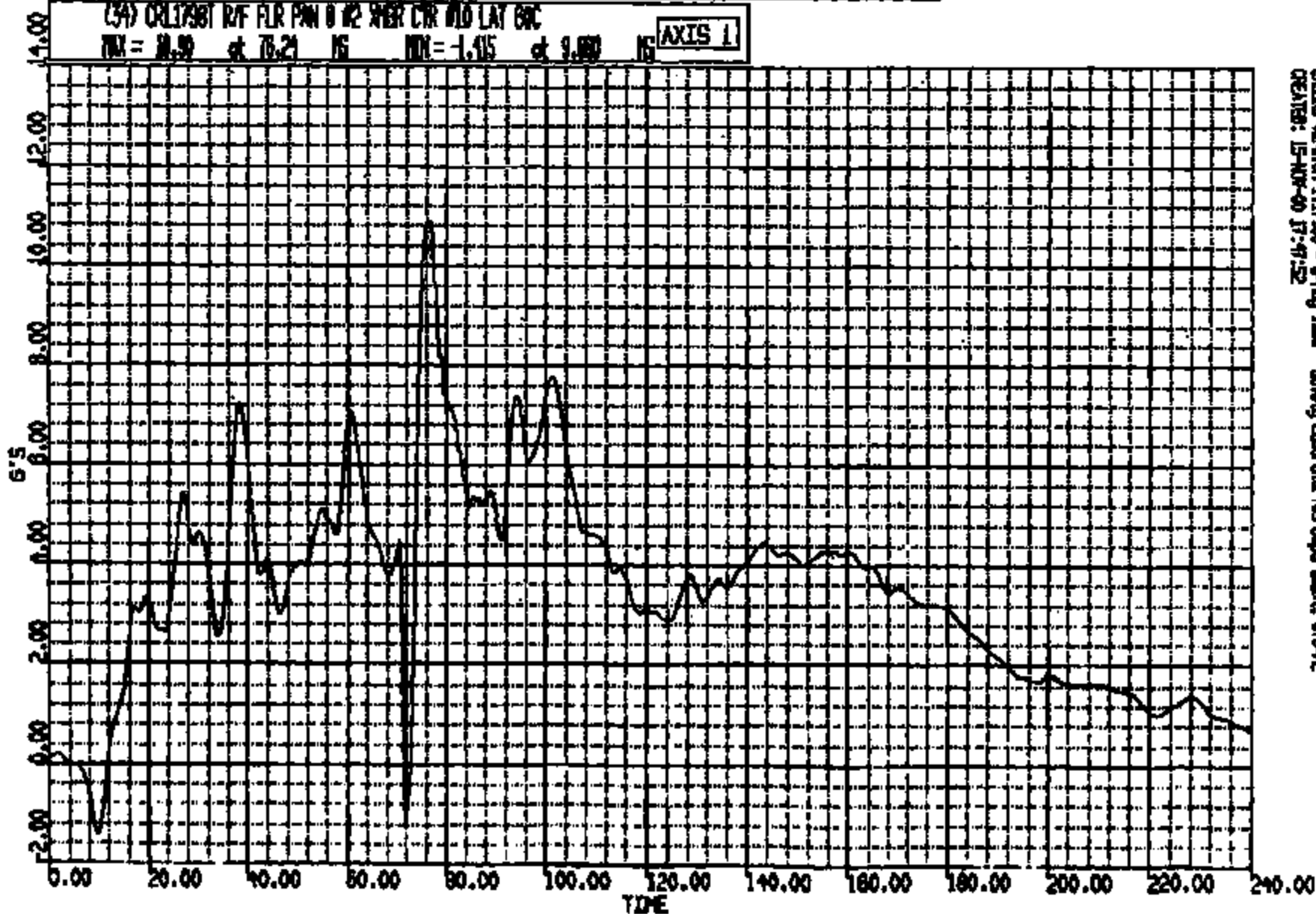
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CR R: 11798 TO: TCO-78 DATE: 000803 08:37:28
B001 FN-145

(34) CEL1798T R/F FLR PWH 0 42 WBR CRK WLD LAT CMC

MAX = 10.99 at 75.21 15 MIN = -1.15 at 9.00 15

AXIS 1



CRSIS Version 1.17.00 - 8-Aug-2008 Safety Laboratories Department, SIO-PL
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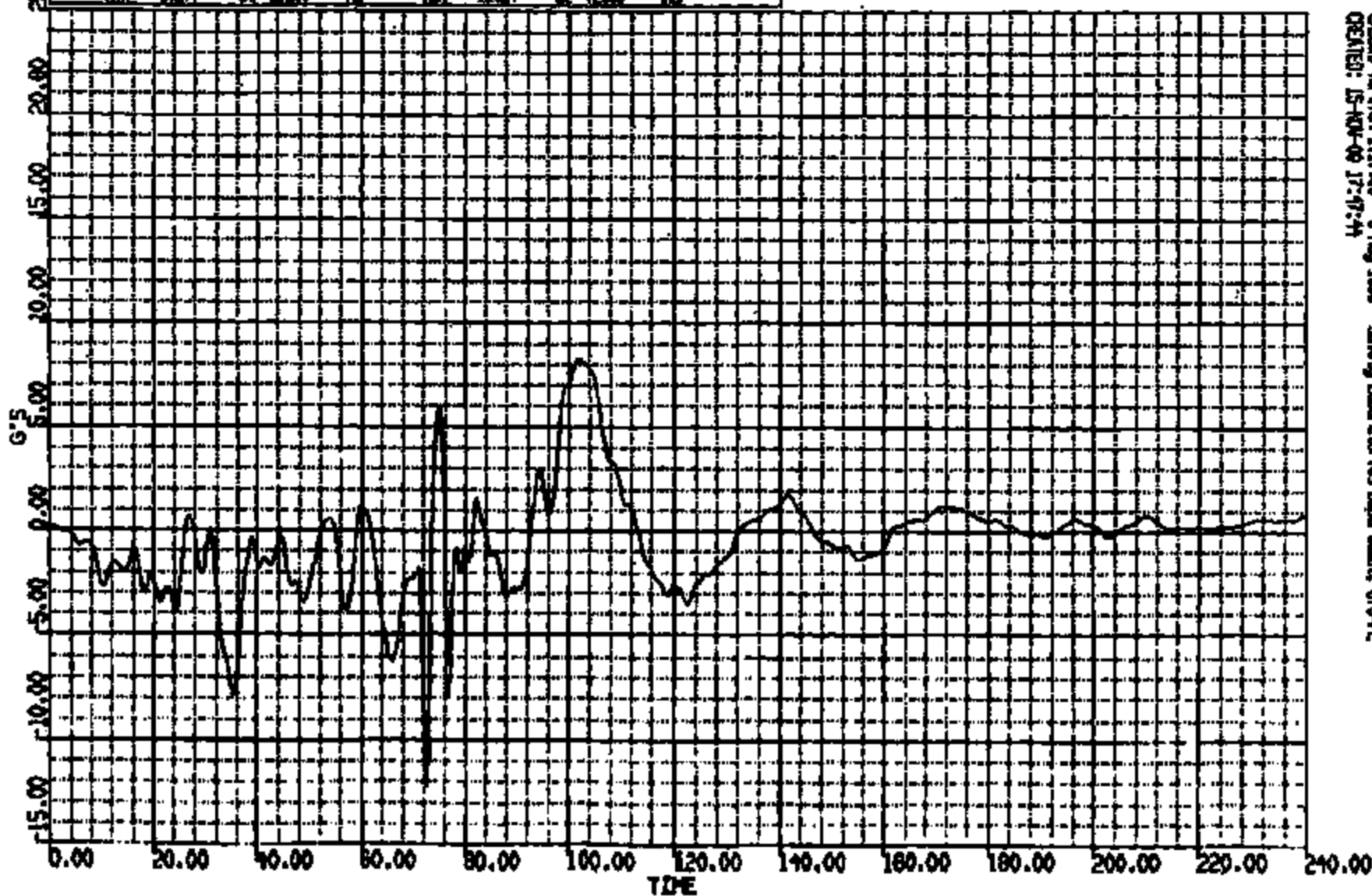
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(35) ORL1798T R/F FLR PAN 8 12 XPER CTR #10 VERT 80C

MAX = 8.277 at 102.0 MS MIN = -12.21 at 72.5 MS

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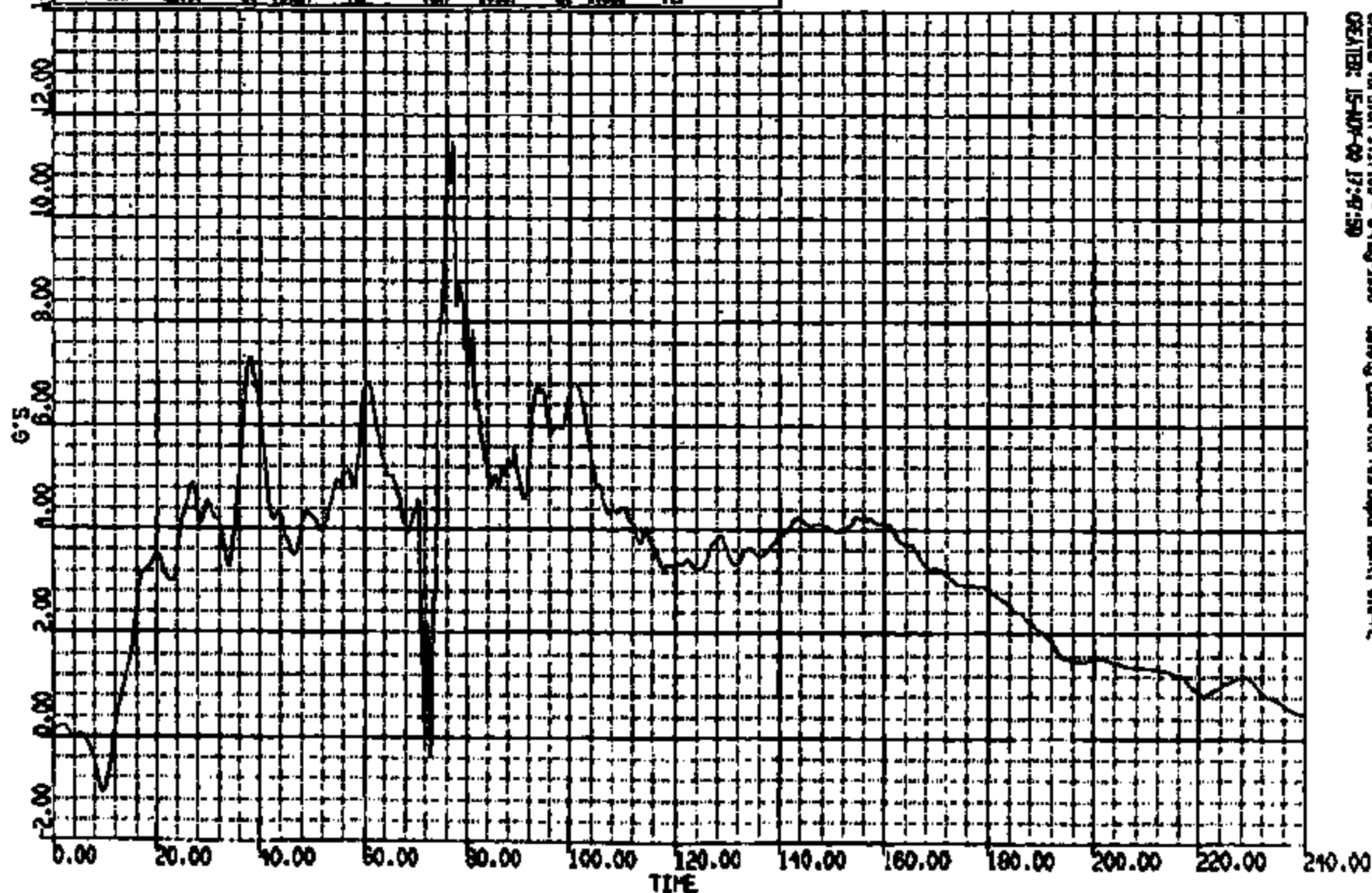
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(35) ORL1798T R4F FLR PAN 0 J2 XBR ECS #13 LAT SOC.

MAX = 12.00 at 75.21 NS MIN = -1.057 at 9.600 NS

AXIS 1



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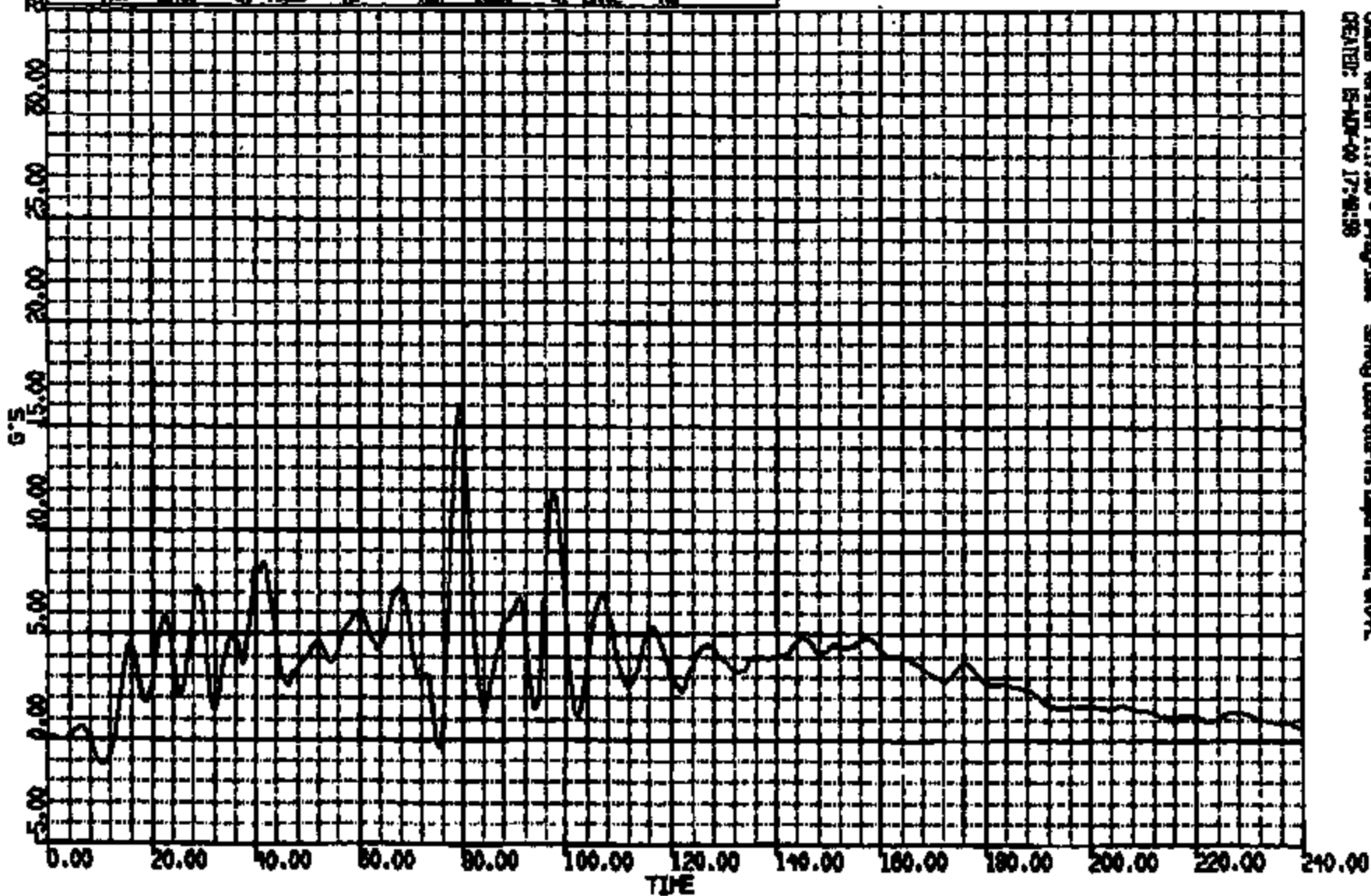
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(44) CR117981 R/ROCKER @ FRONT SEAT MID LAT 60C

MAX = 15.98 at 79.28 DE MIN = -1.25 at 10.32 DE

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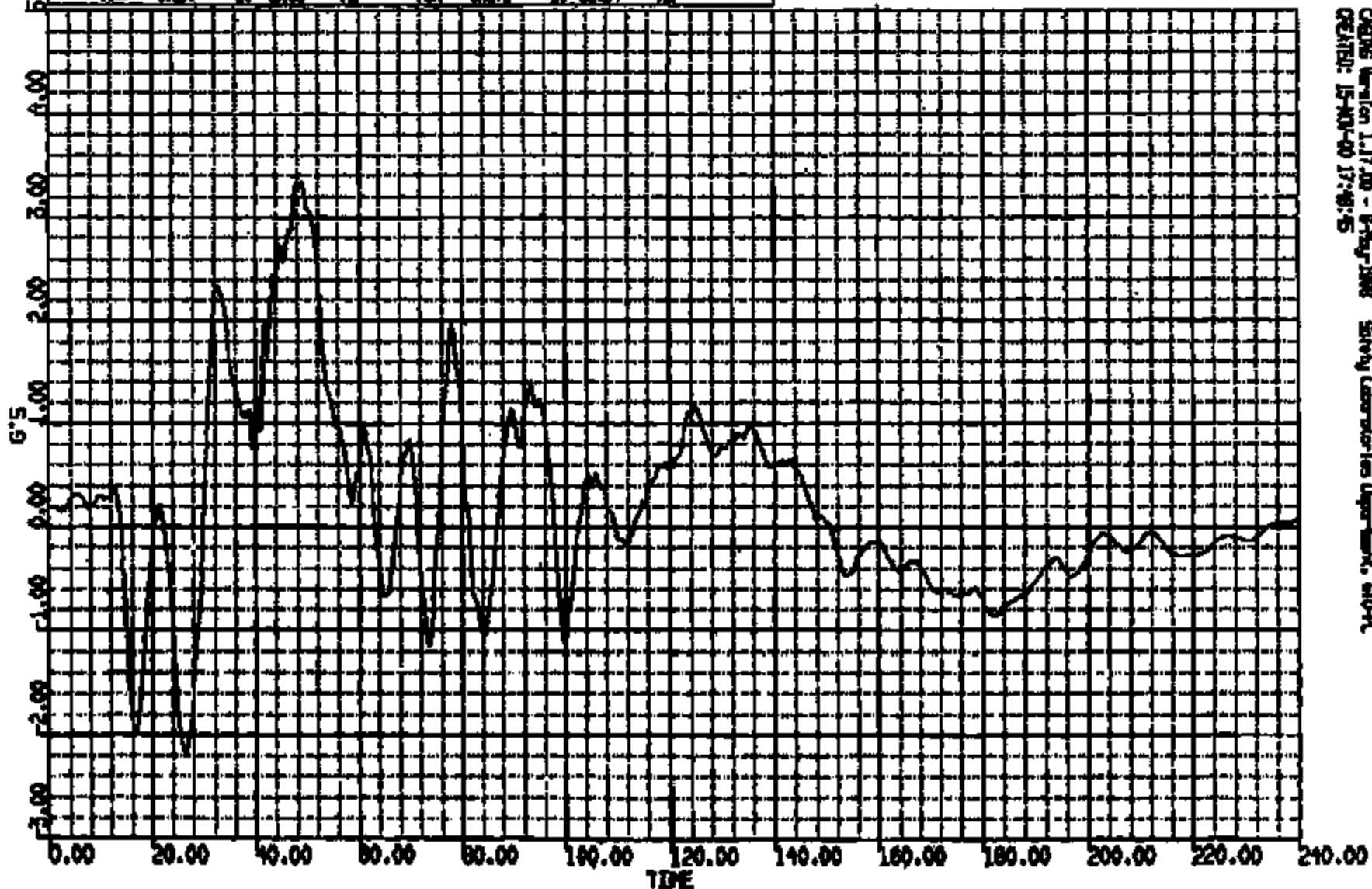
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(42) ORL17981 R/RICKER @ FROM SEAT MID LONG 60C

MIN = 3.36 at 18.00 MS MAX = 2.12 at 28.21 MS

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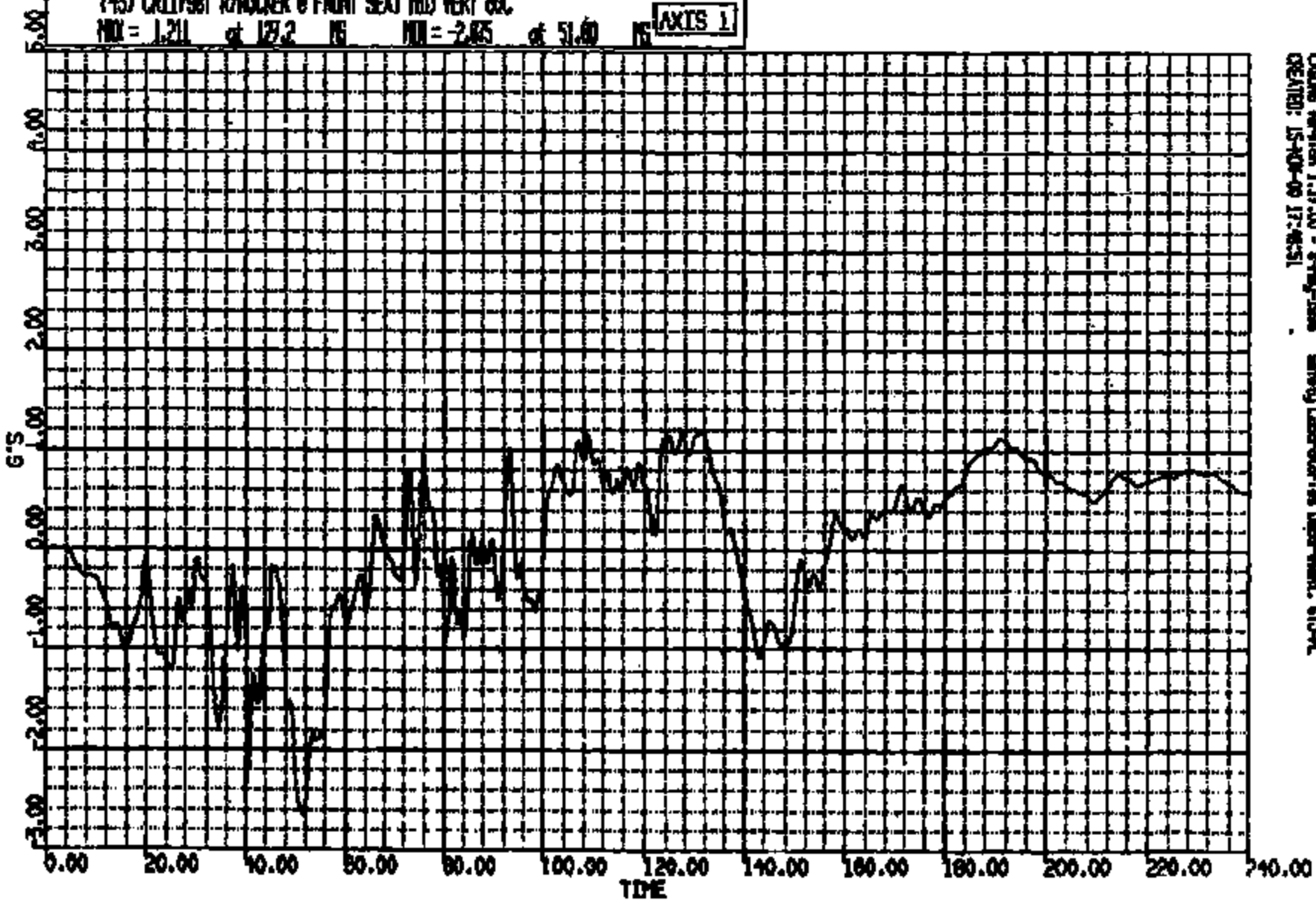
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143 CR17981 RATCHER @ FRONT SEAT MID VERT OSC

MAX = 1.211 at 127.2 MS MIN = -2.835 at 51.60 MS

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CRMS Version 1.37.00 - 8-May-2008
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Safety Laboratory Division, DTIC-A

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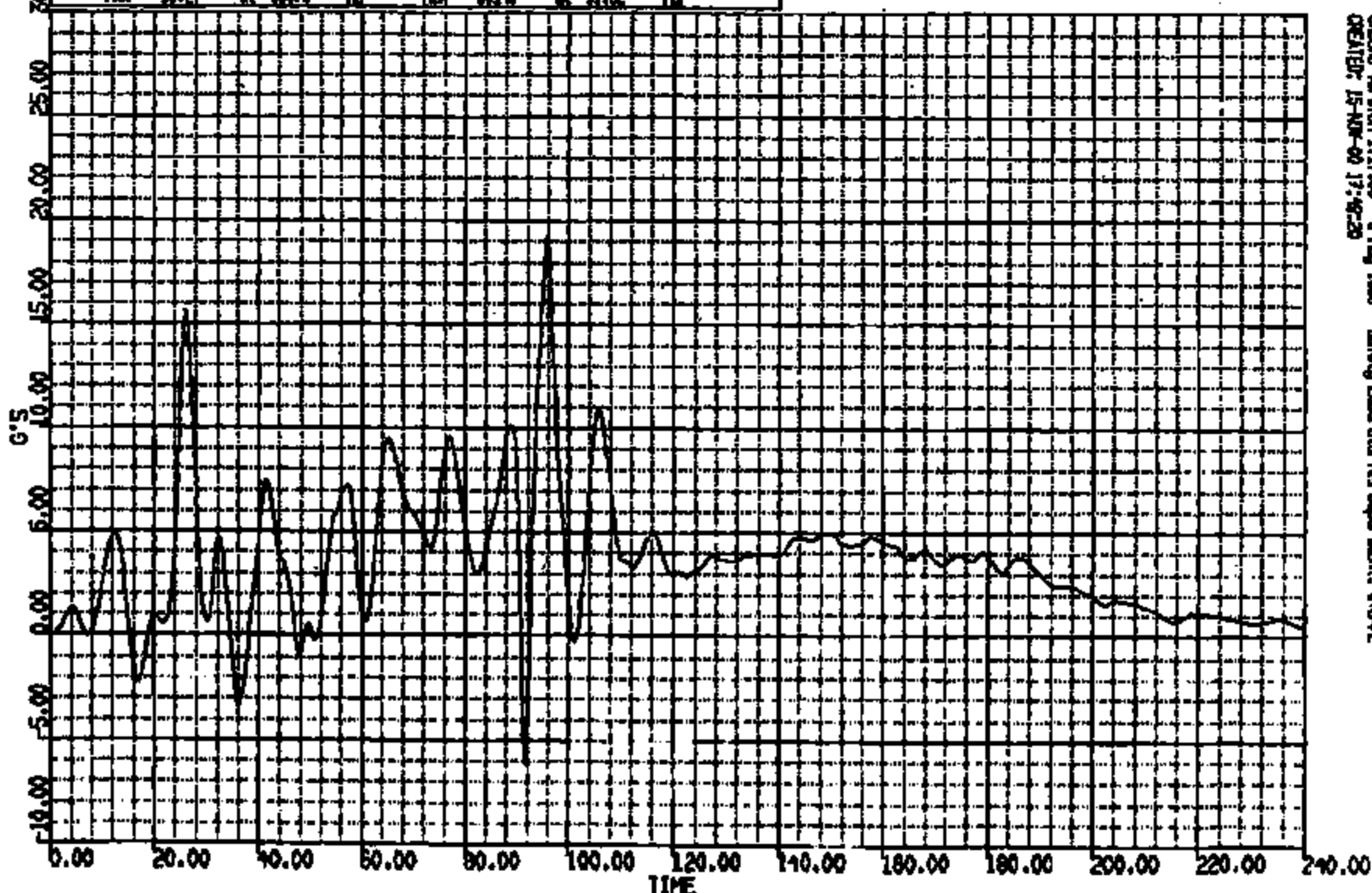
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(47) CR117981 BAROMETER @ REAR SEAT MID LAT GUC

MAX = 19.27 at 95.76 MS MIN = -6.149 at 91.52 MS

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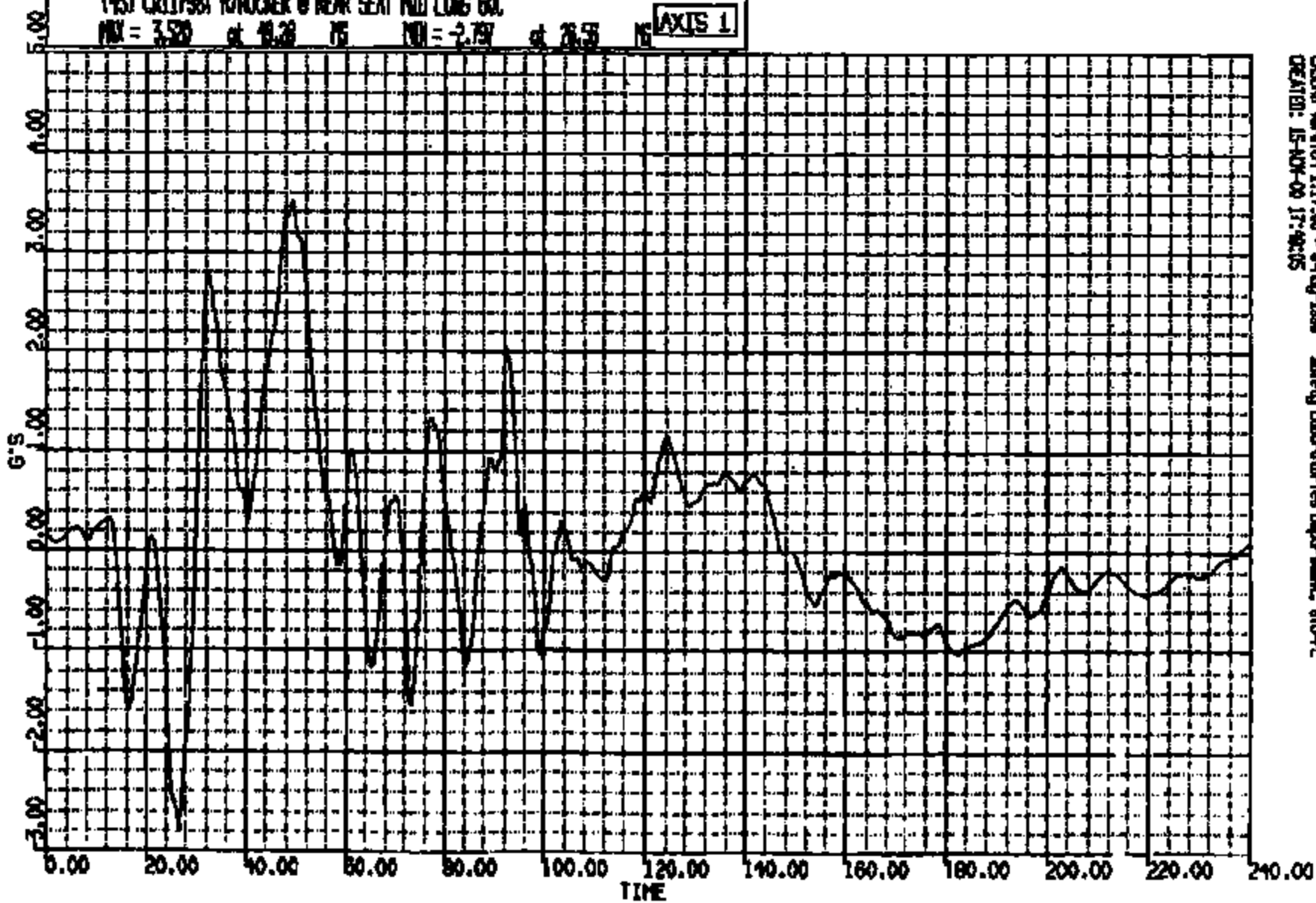
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(45) CR11798/ R/ROCKIER @ NEAR SEAT MID LONG GOC

MAX = 3.520 at 45.28 MS MIN = -2.797 at 26.55 MS

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Safety Laboratories Department, 610-PL

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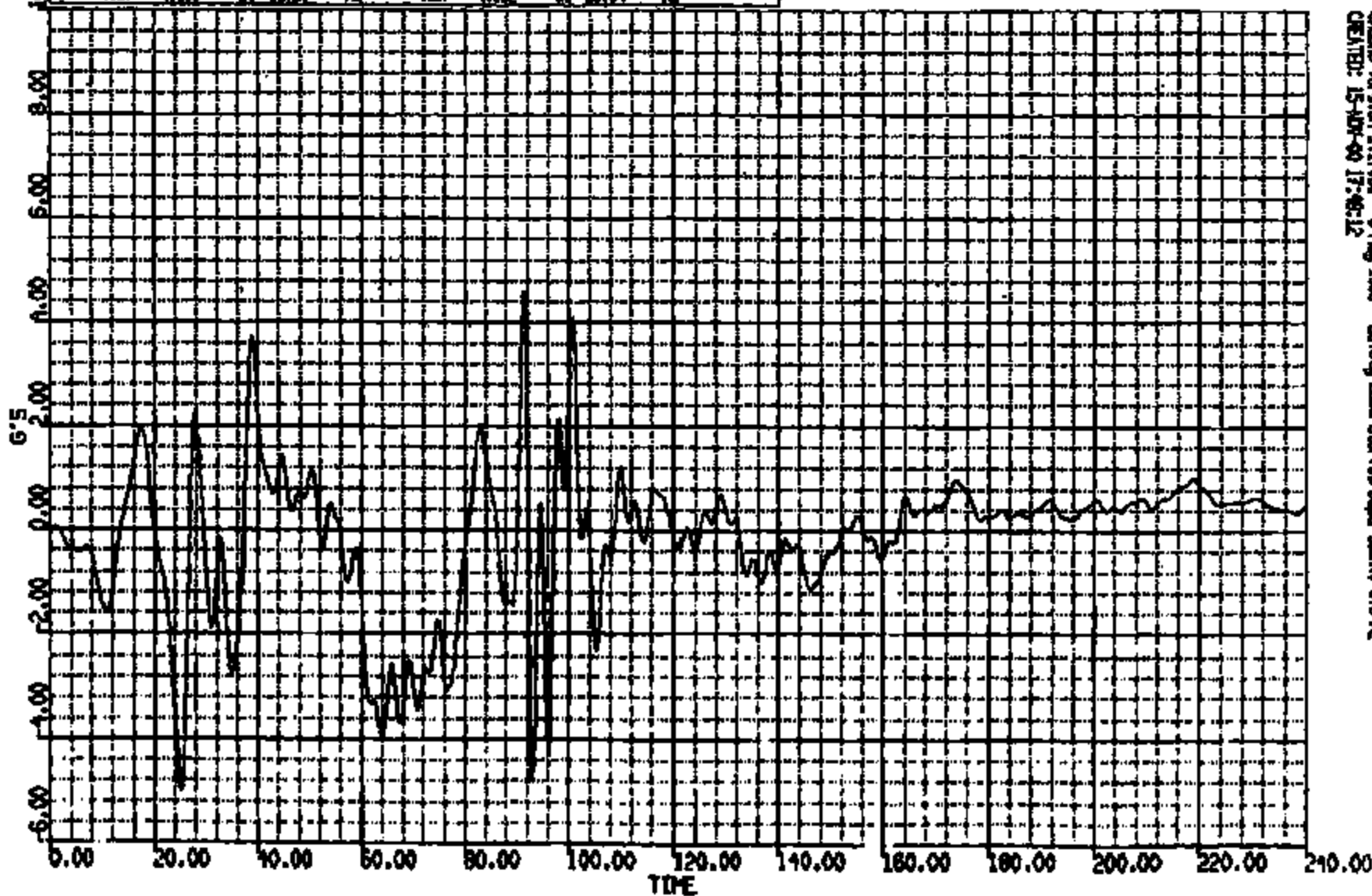
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MO01 11:428

(46) CR117981 RANDOMER @ REAR SEAT MID VERT GDC

MIN = 4.985 at 91.20 MS MAX = 4.992 at 25.01 MS

AXIS 1



CASME Version 1.17.00 - 8-May-2008 Safety Laboratories Department, CTO-PL
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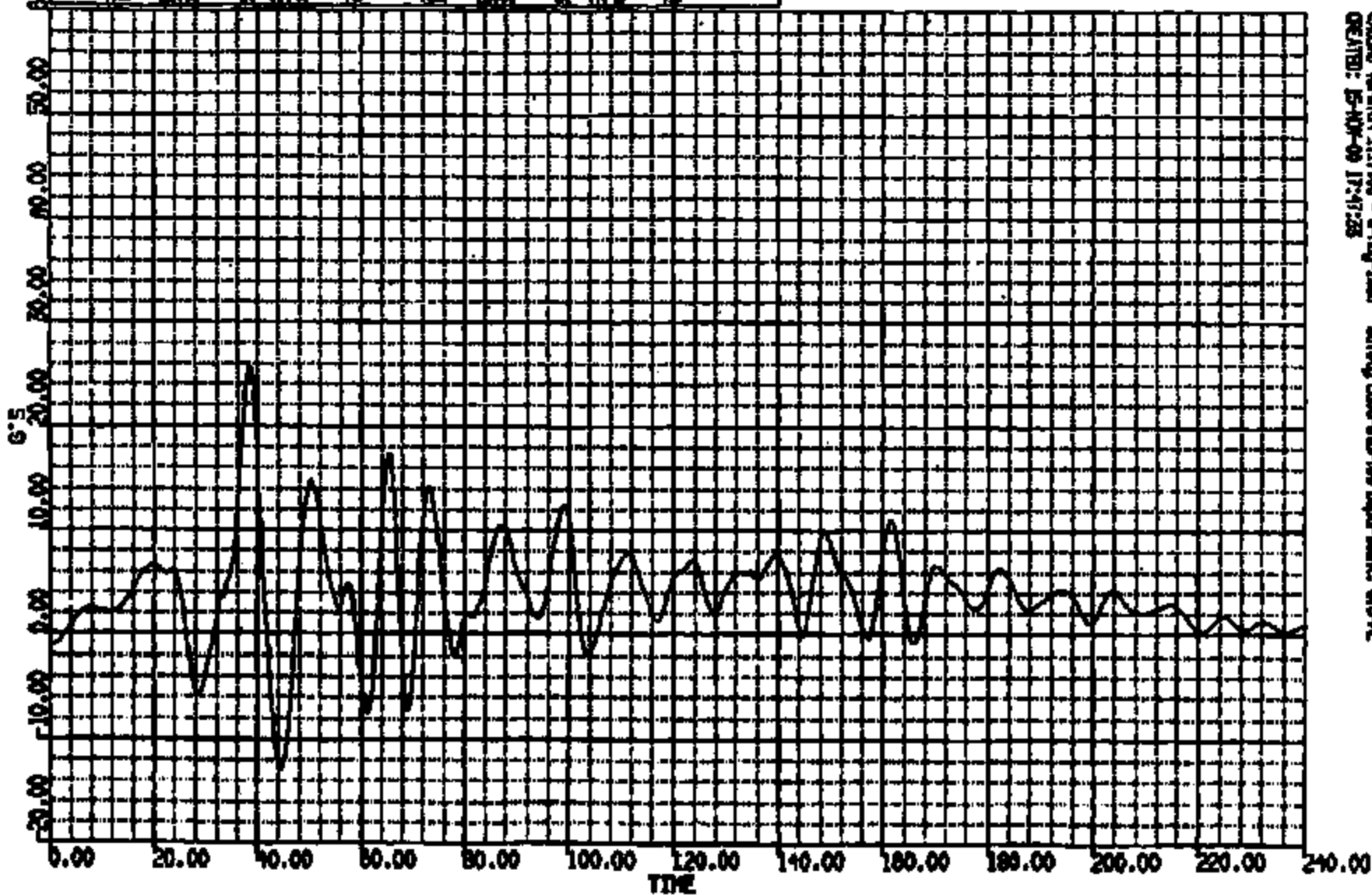
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(31) CR11798 INAK @ FUEL SWITCH LAT 60C

VAL = 25.00 @ 30.00 MS MIN = -12.95 @ 11.00 MS

AXIS 1



CR11798 Version 1.17.00 - 8-May-2008 Safety Laboratory Department, GPOA
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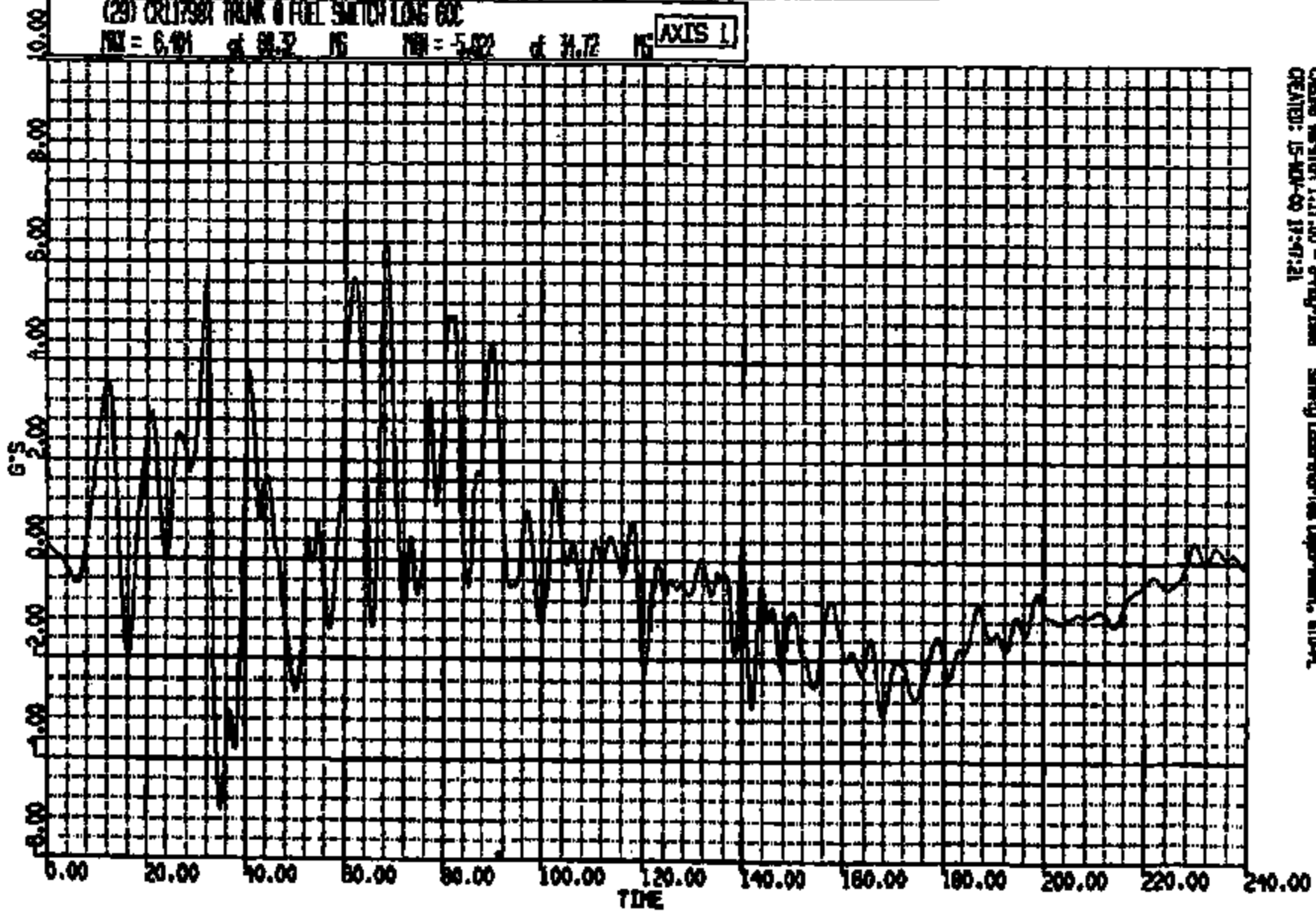
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OR R: 1.1798 TD: TCO+78 DATE: 000302 08:57:28
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(20) CRUISE TRACK @ FUEL SWITCH LONG 60C

RM = 6.441 of 68.32 MS RM = 5.822 of 34.72 MS

AXIS 1



CRUISE Mission 1.17.00 - 8-Aug-1998 Safety Laboratory/ies Department, ETO-PL
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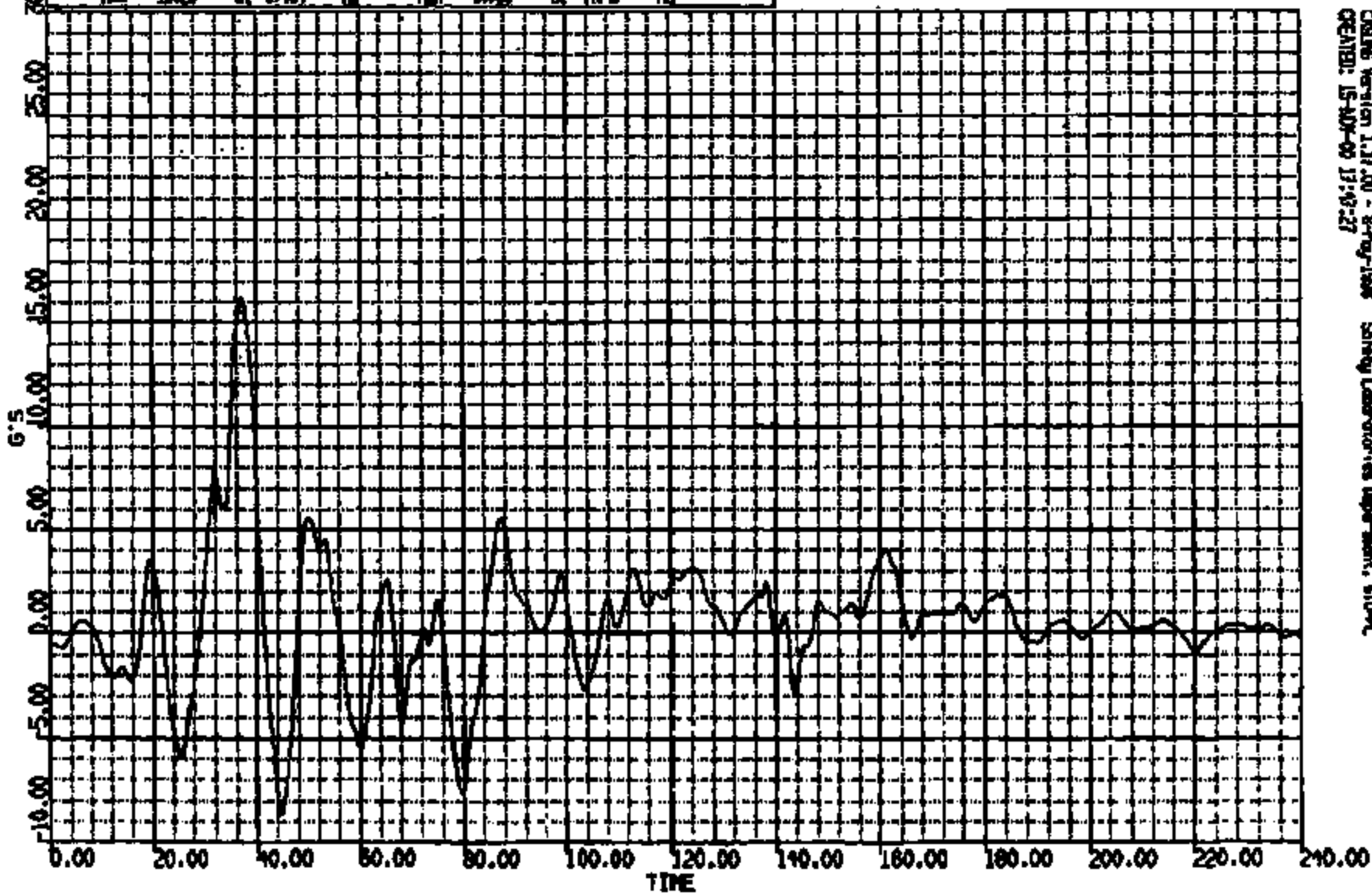
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(30) CR11798Y TRUNK @ FUEL SWITCH VERT GDC

MAX = 15.29 at 37.01 15 MIN = -8.35 at 41.41 15

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CHANGE Version 1.17.00 - 8-May-1998 Safety Laboratories Department, SIO-AL
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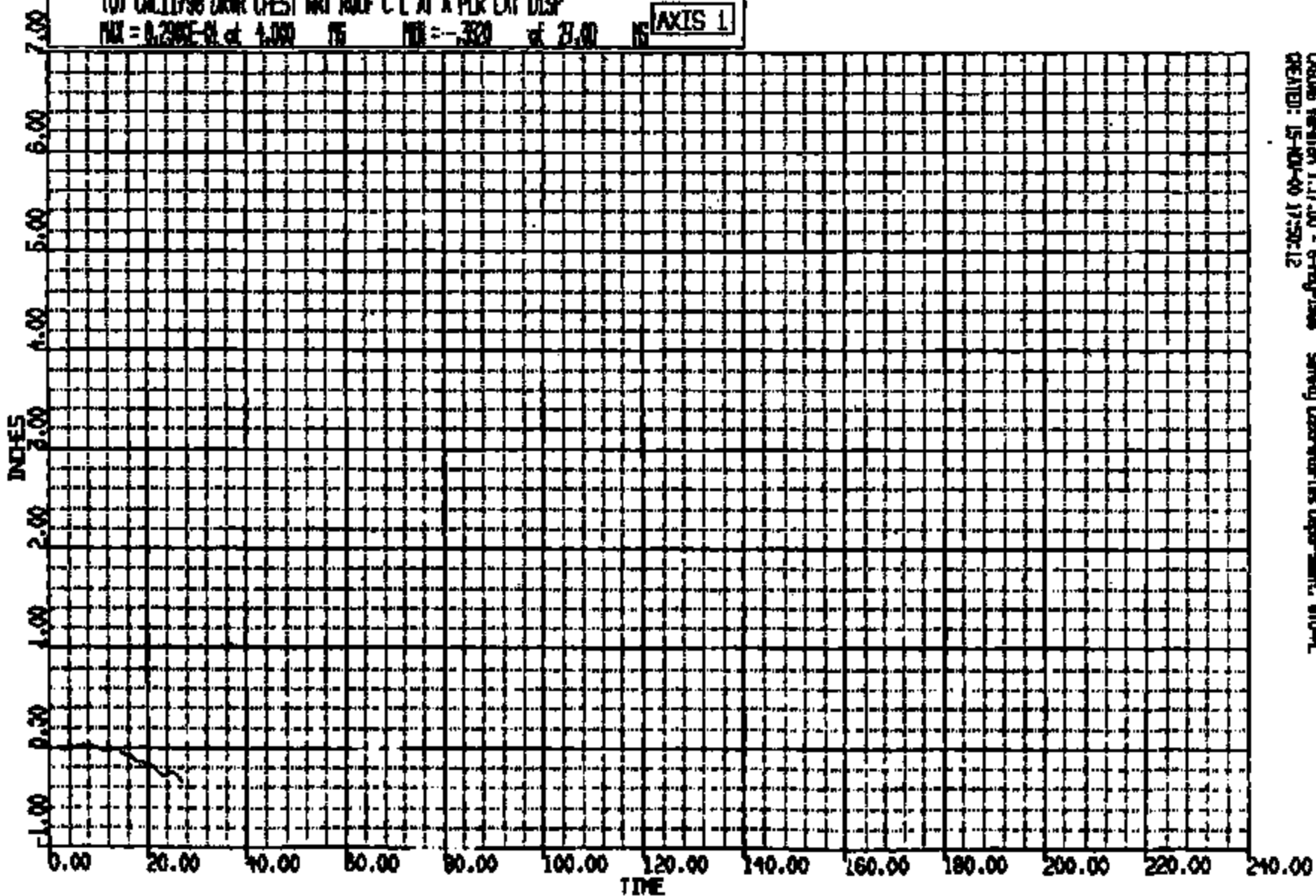
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(0) CR011798 DOWN CHEST WRT ROOF C L AT A PLR LAT DISP

MAX = 0.290E-01 at 1.000 IN MIN = -.320 at 21.00 IN

AXIS 1



CR011798 Version 1.17.00 - 8-Aug-1998 Safety Laboratories Department, 610-11
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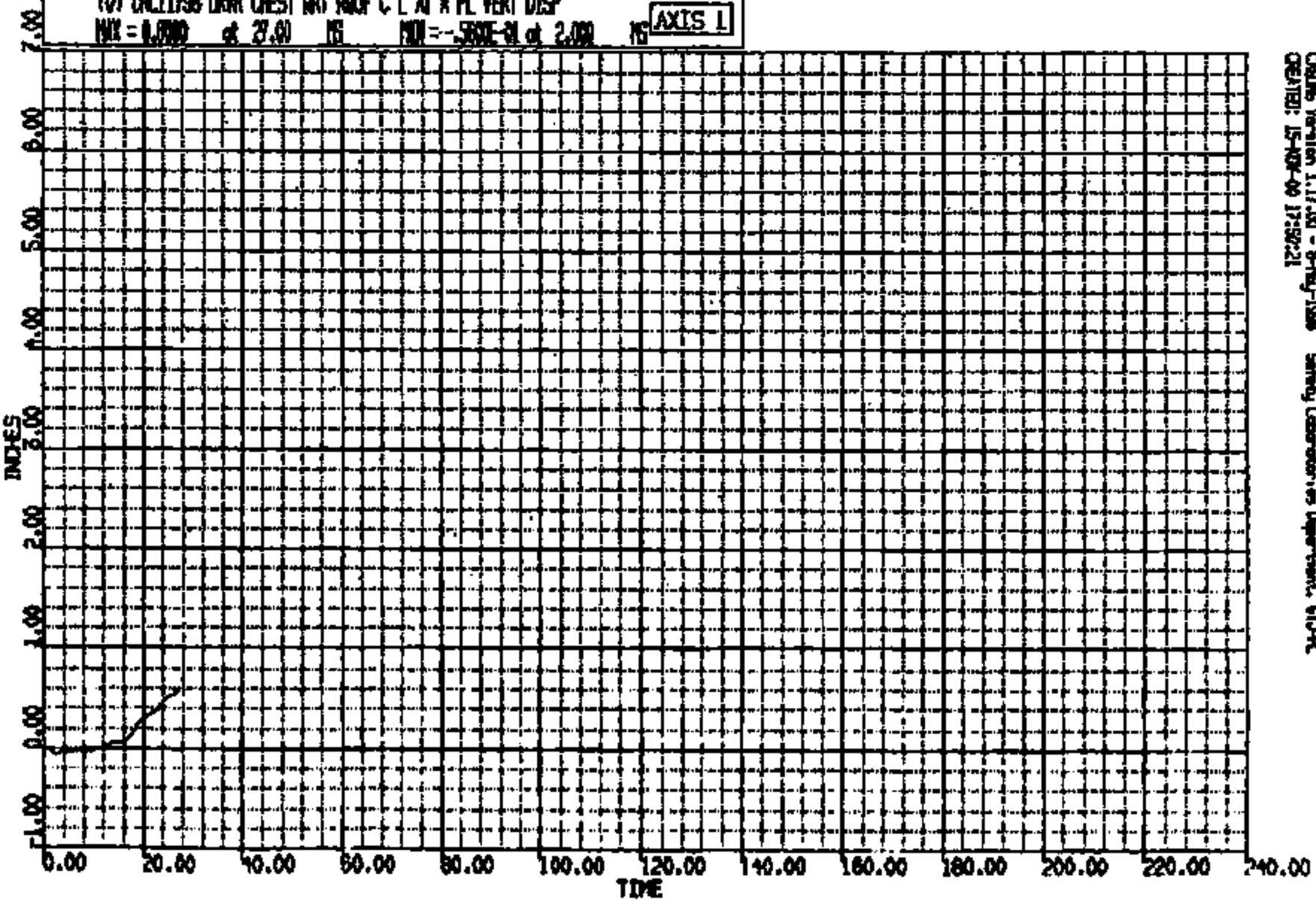
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(0) CR11798 DNR CHEST WRT ROOF C L AT A PL VERT DISP

MAX = 0.000 at 27.00 MS MIN = -5.80E-01 at 2.000 MS

AXIS 1

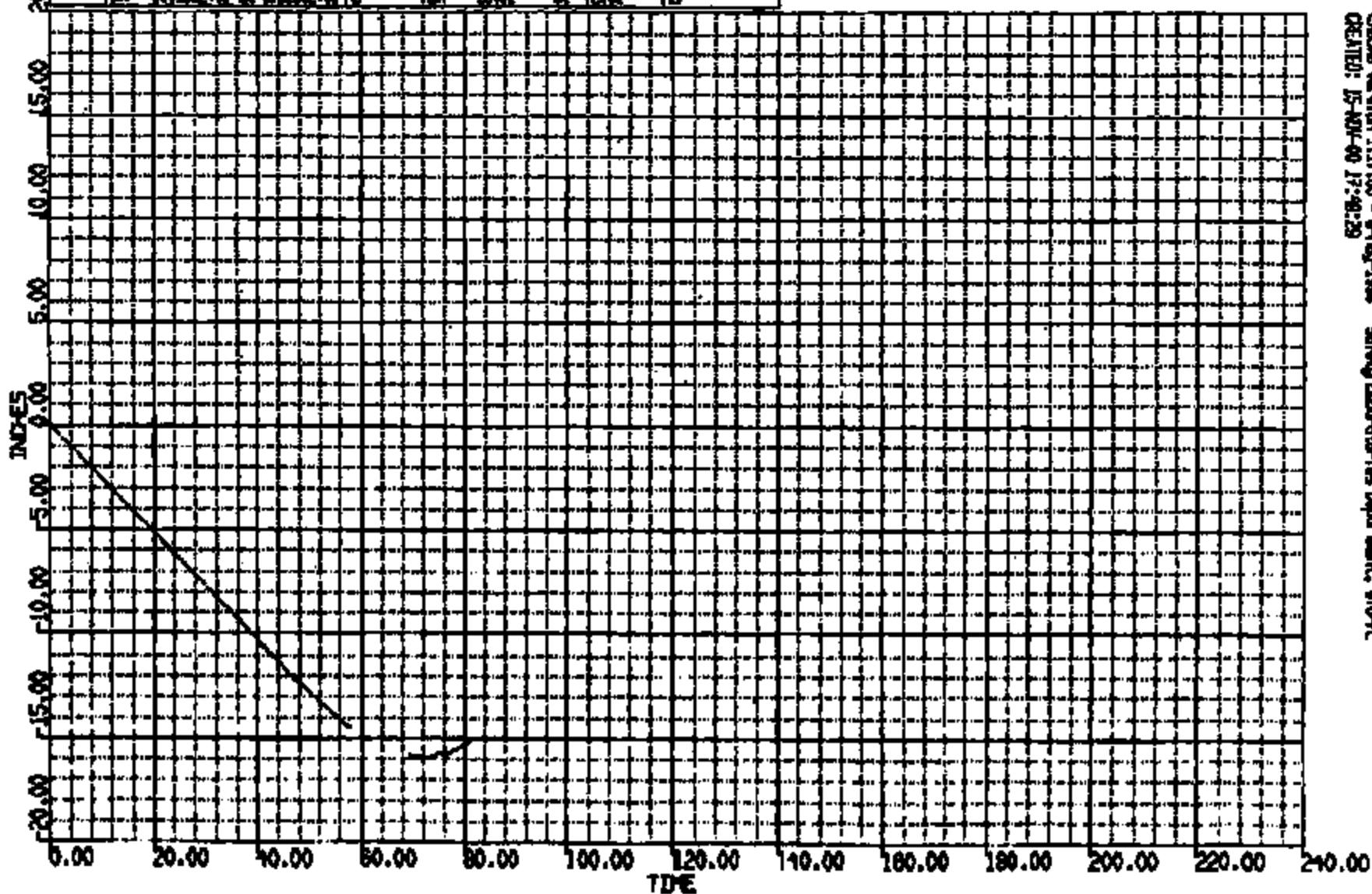


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2001 FN-145

(0) CR011798 DRVR HEAD WRT POLE LAT DISP

MAX = 0.000E+00 at 0.000E+00 MS MIN = -15.91 at 72.00 MS

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CR006 Revision 1.17.00 - 8-Aug-1998 Safety Laboratories Department, SLD-PL
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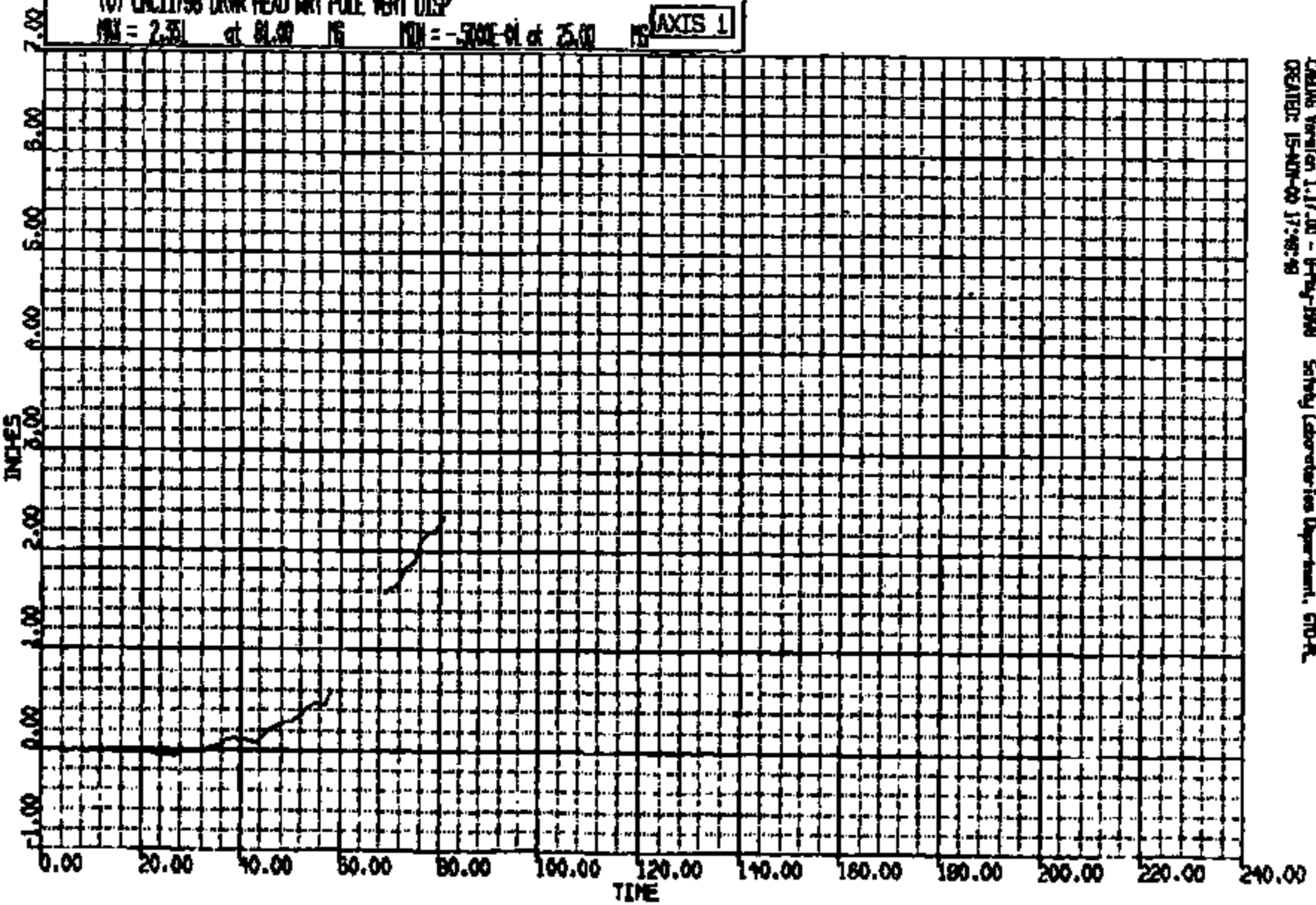
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(0) CHC11798 DRWR HEAD WRT POLE VERT DISP

MIN = 2.35 at 81.00 MS MAX = -5.00E-01 at 25.00 MS

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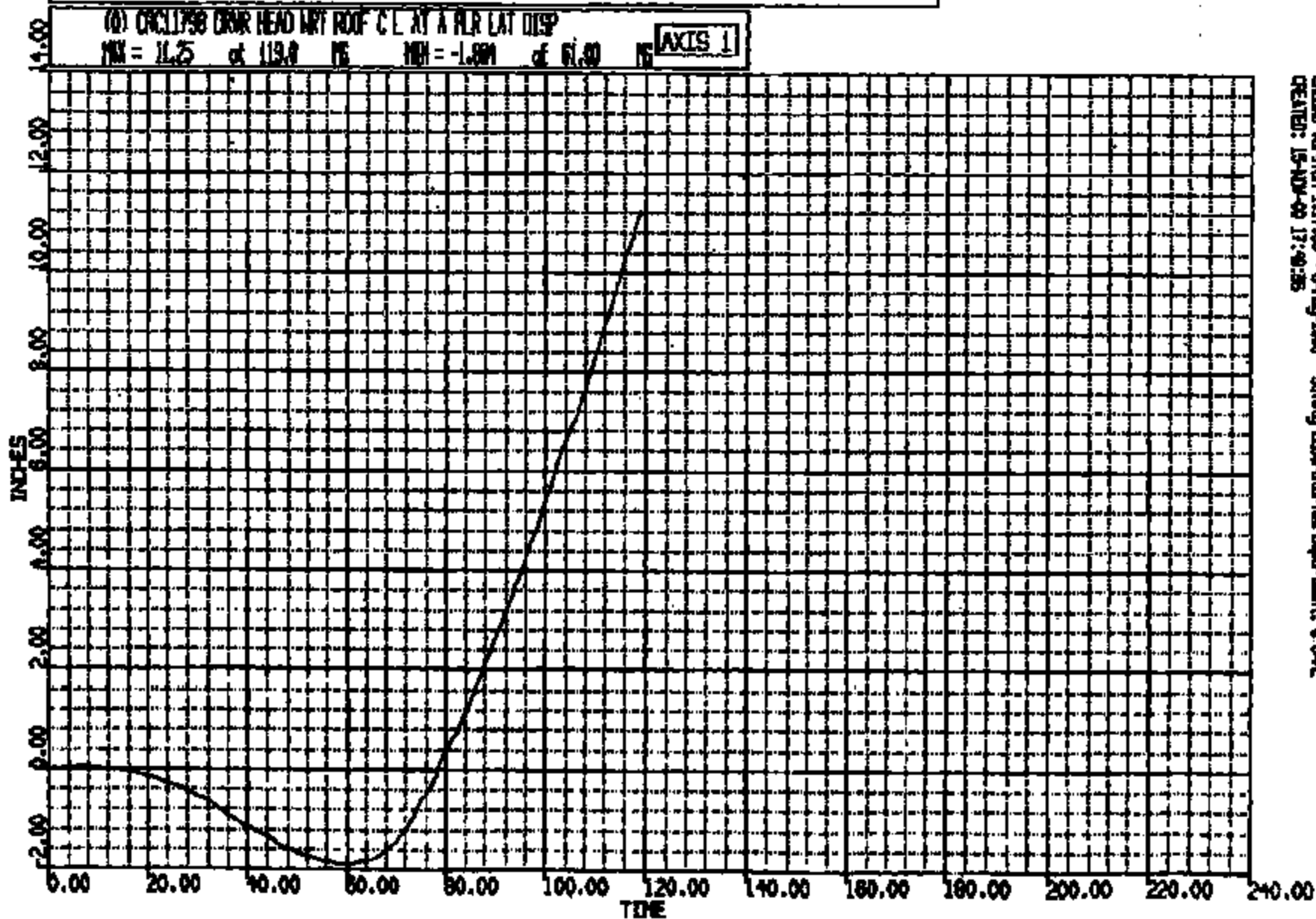
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(0) CR011798 CRNR HEAD WRT ROOF C.L. AT A FLR LAT DISP

MIN = 11.25 at 113.0 PG MAX = -1.001 at 61.00 PG

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CR011798 Version 1.17.00 - 9-Aug-1998 Safety Laboratories Department, SLO
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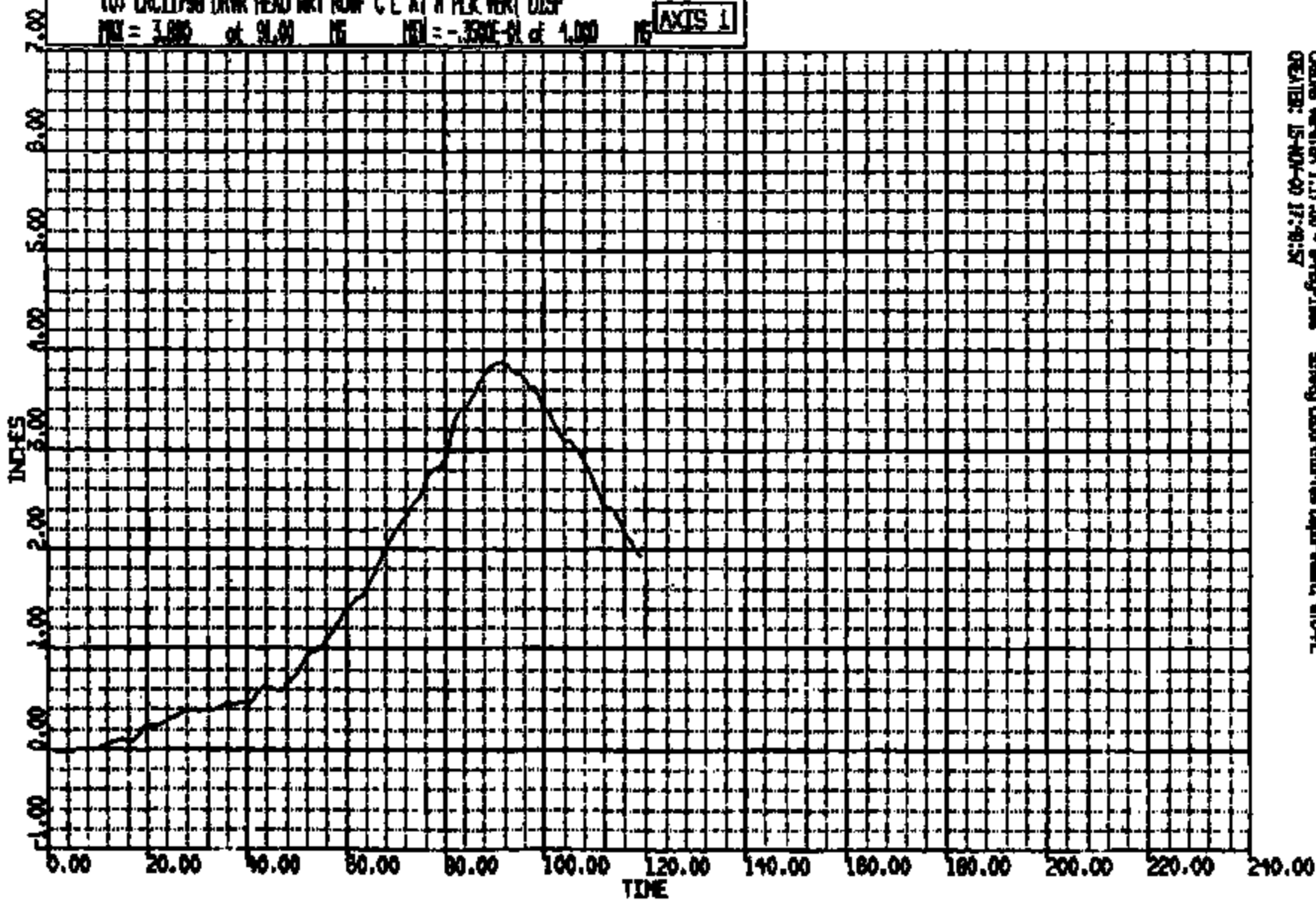
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(3) CXC11798 DRAG HEAD ART ROM C/L AT A PLR VERT DISP

MAX = 3.885 at 91.00 MS MIN = -3.350E-01 at 1.000 MS

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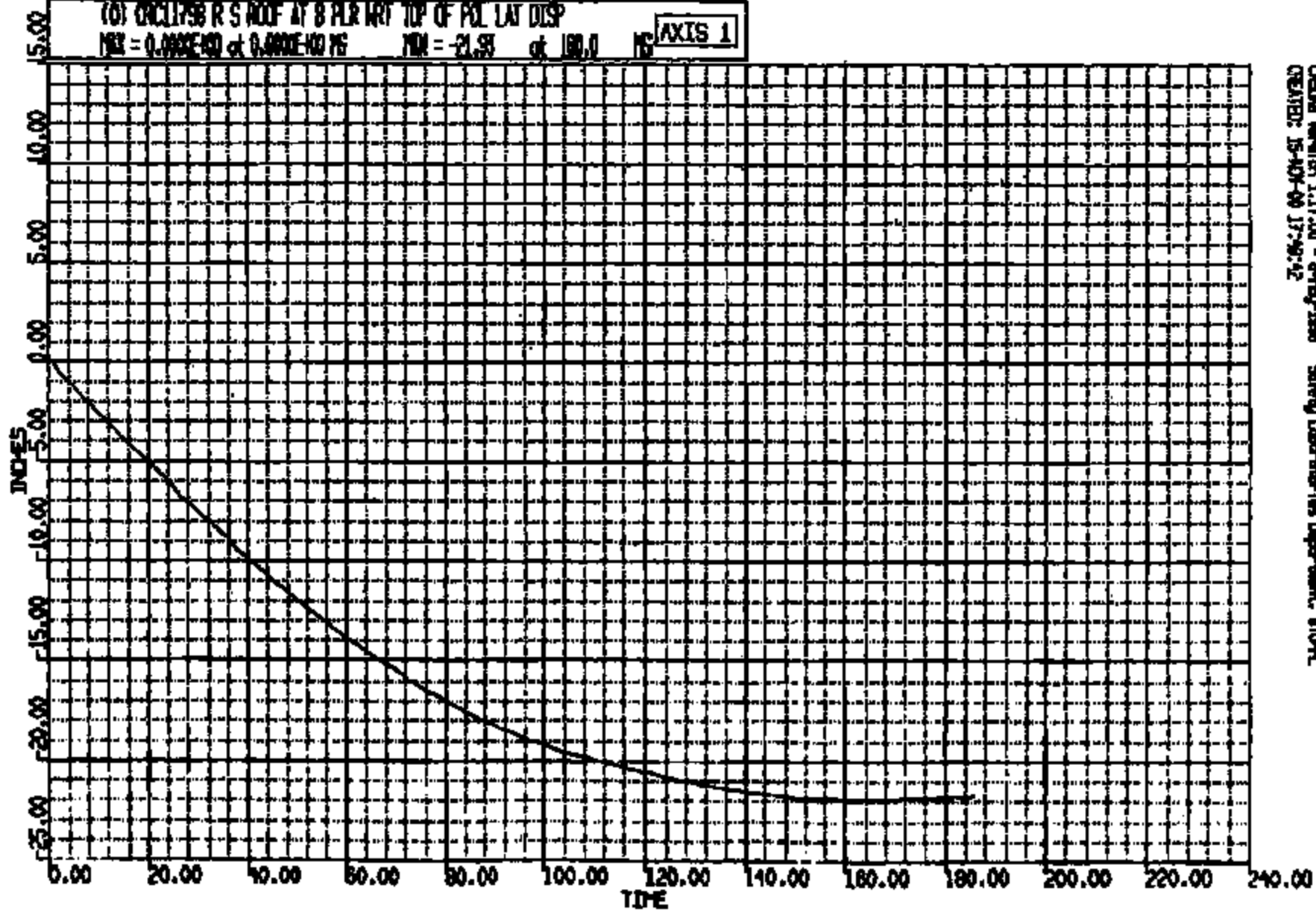
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(0) CR011798 R S ROOF AT 8 PLR WRT TOP OF POL LAT DISP

MAX = 0.000E+00 at 0.000E+00 MS MIN = -21.91 at 100.0 MS

AXIS 1



CR011798 117.00 - 8-17-98 Safety Laboratories Department, EIOA
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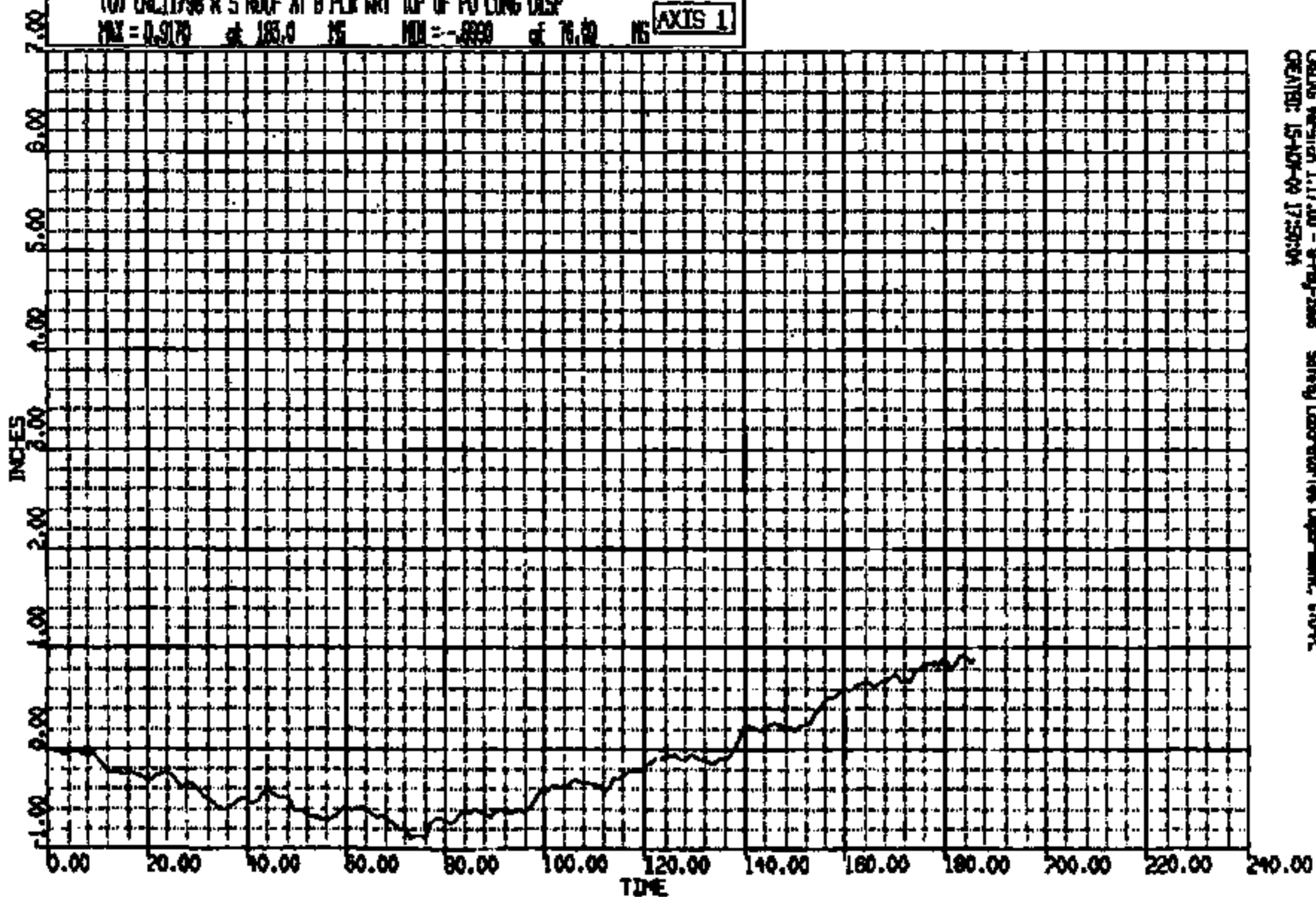
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(0) 0011798 R S ROOF AT B PLN WRT TOP OF PO LONG DISP

MAX = 0.9170 at 185.0 MS MIN = -0.8930 at 75.00 MS

AXIS 1



CRS Version 1.17.00 - 8-May-2008 Safety Laboratories Department, CIO-FL
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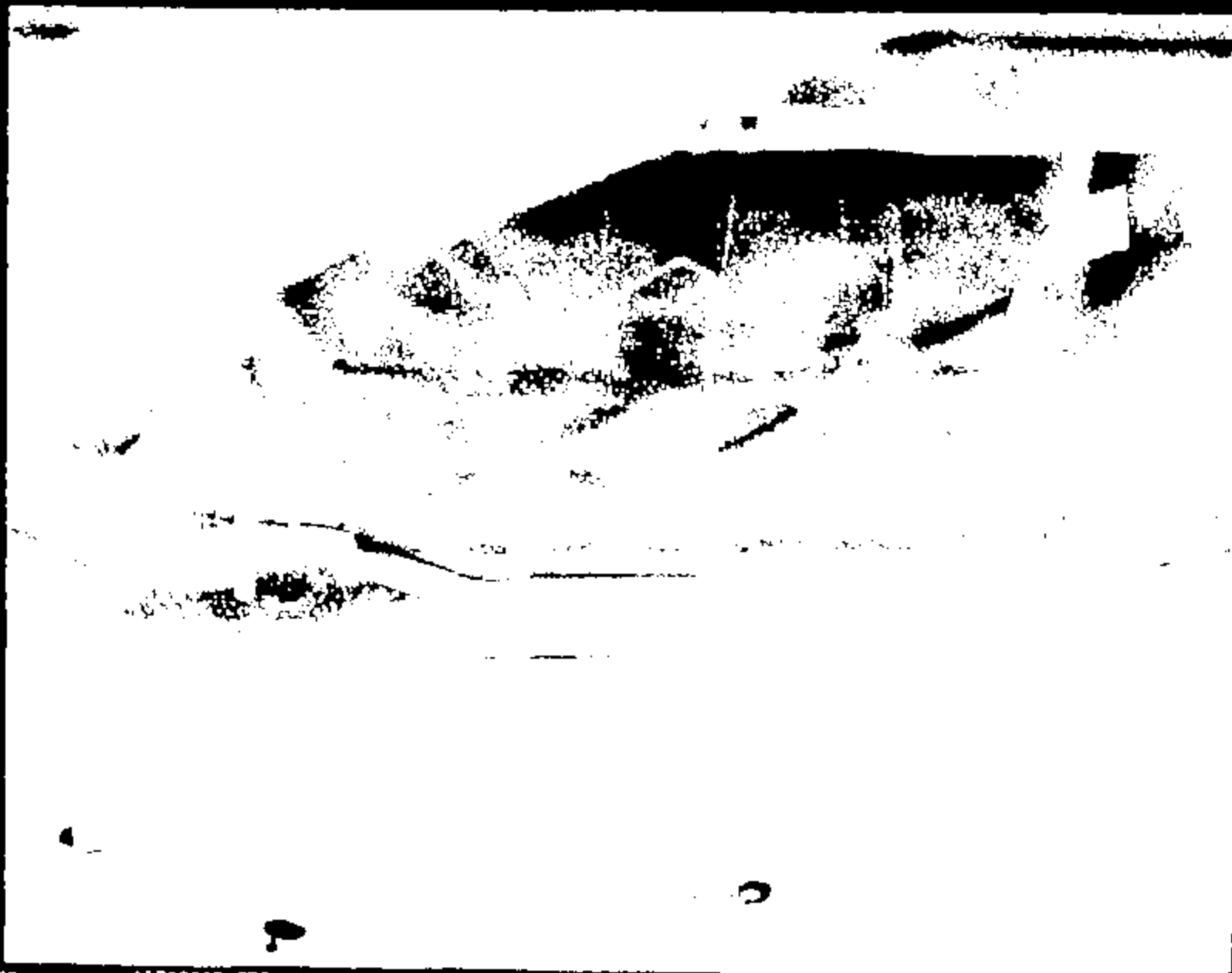


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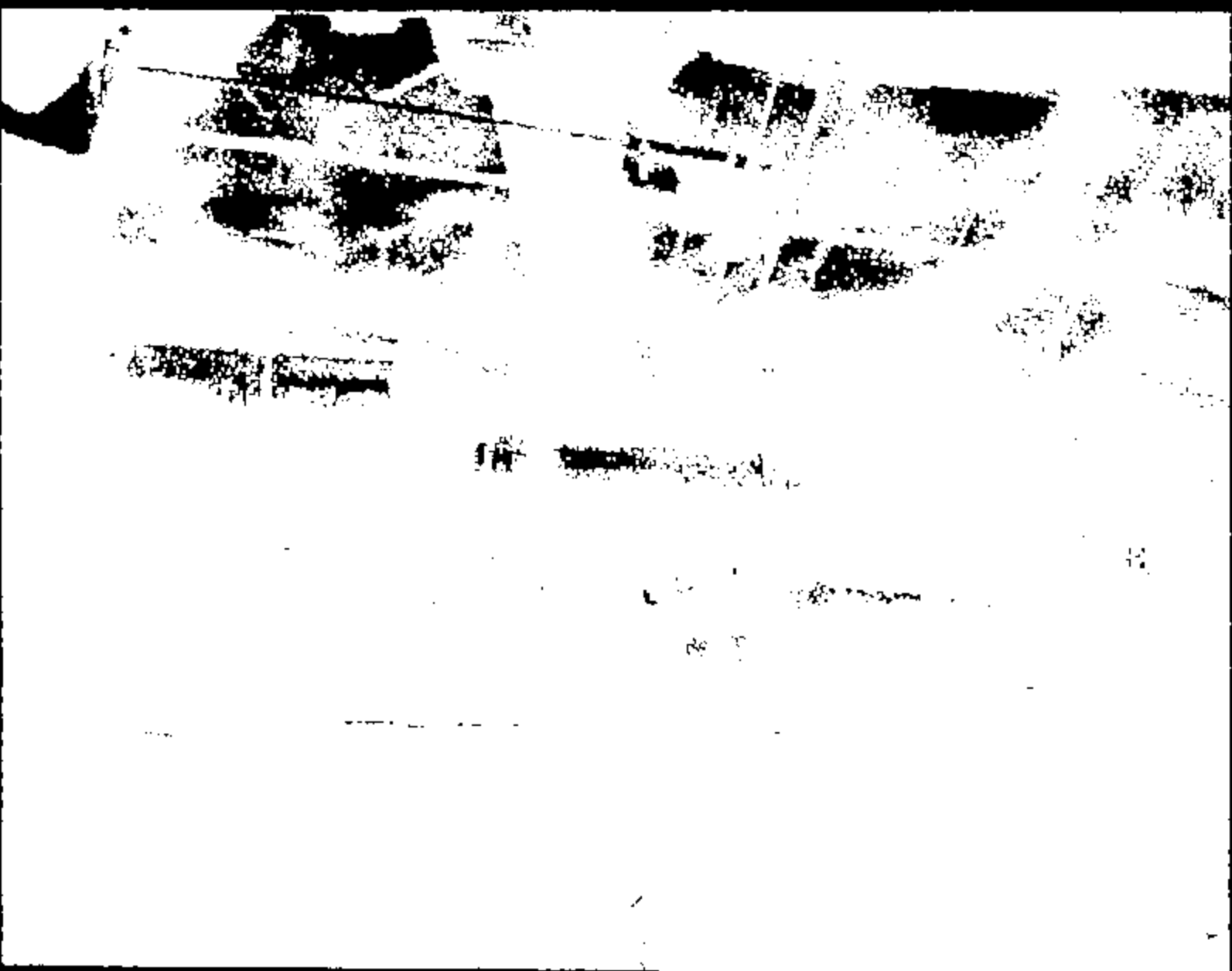
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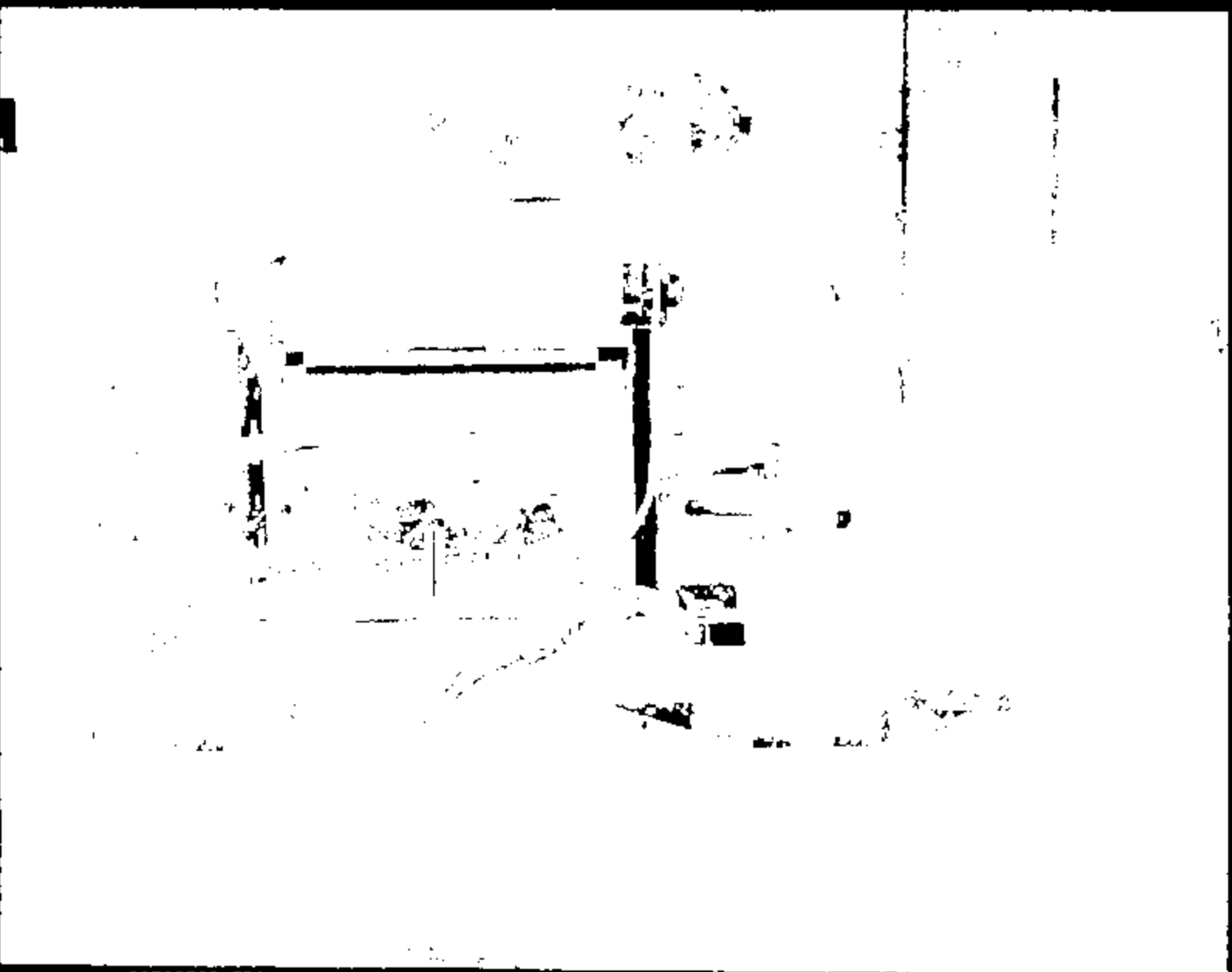


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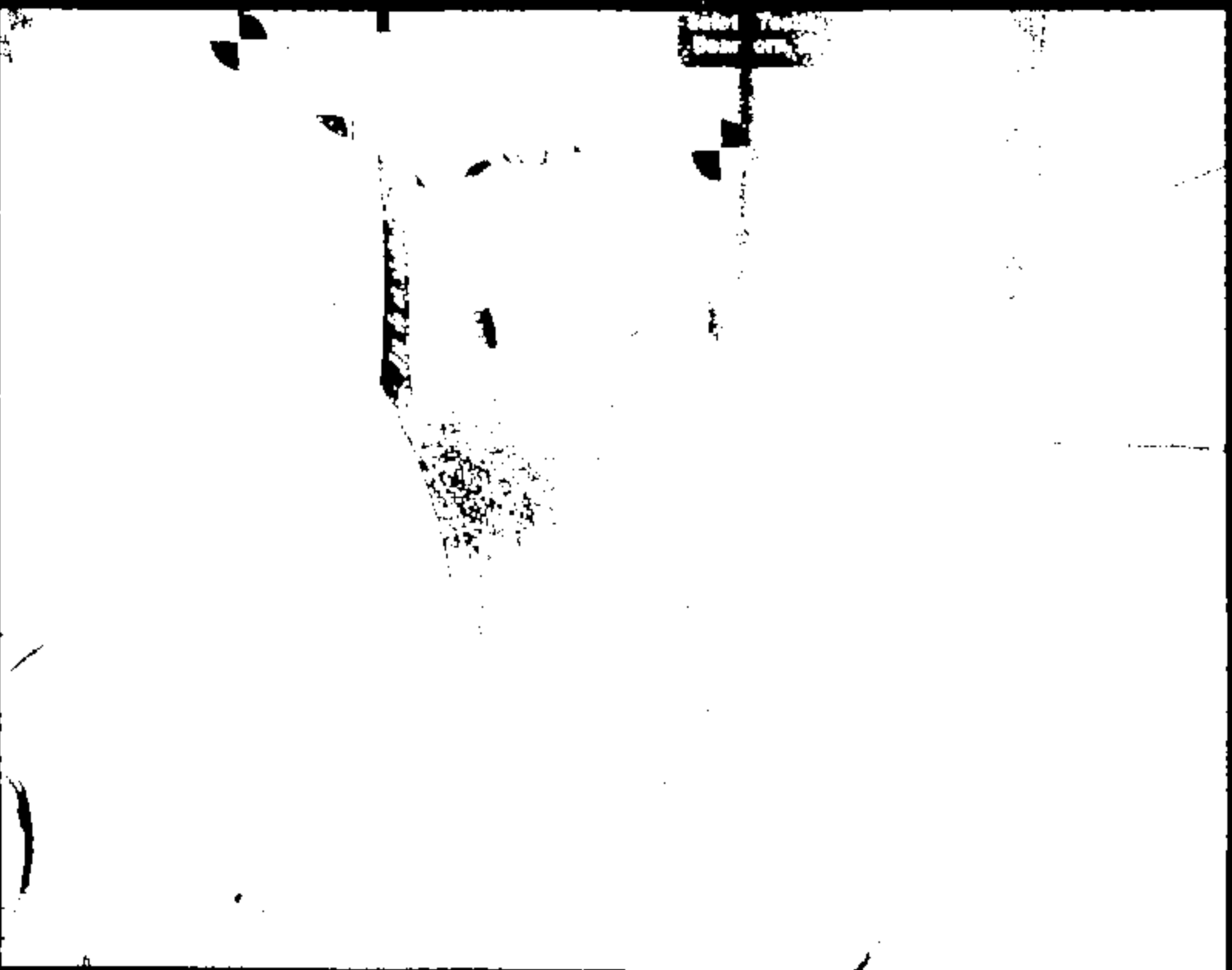


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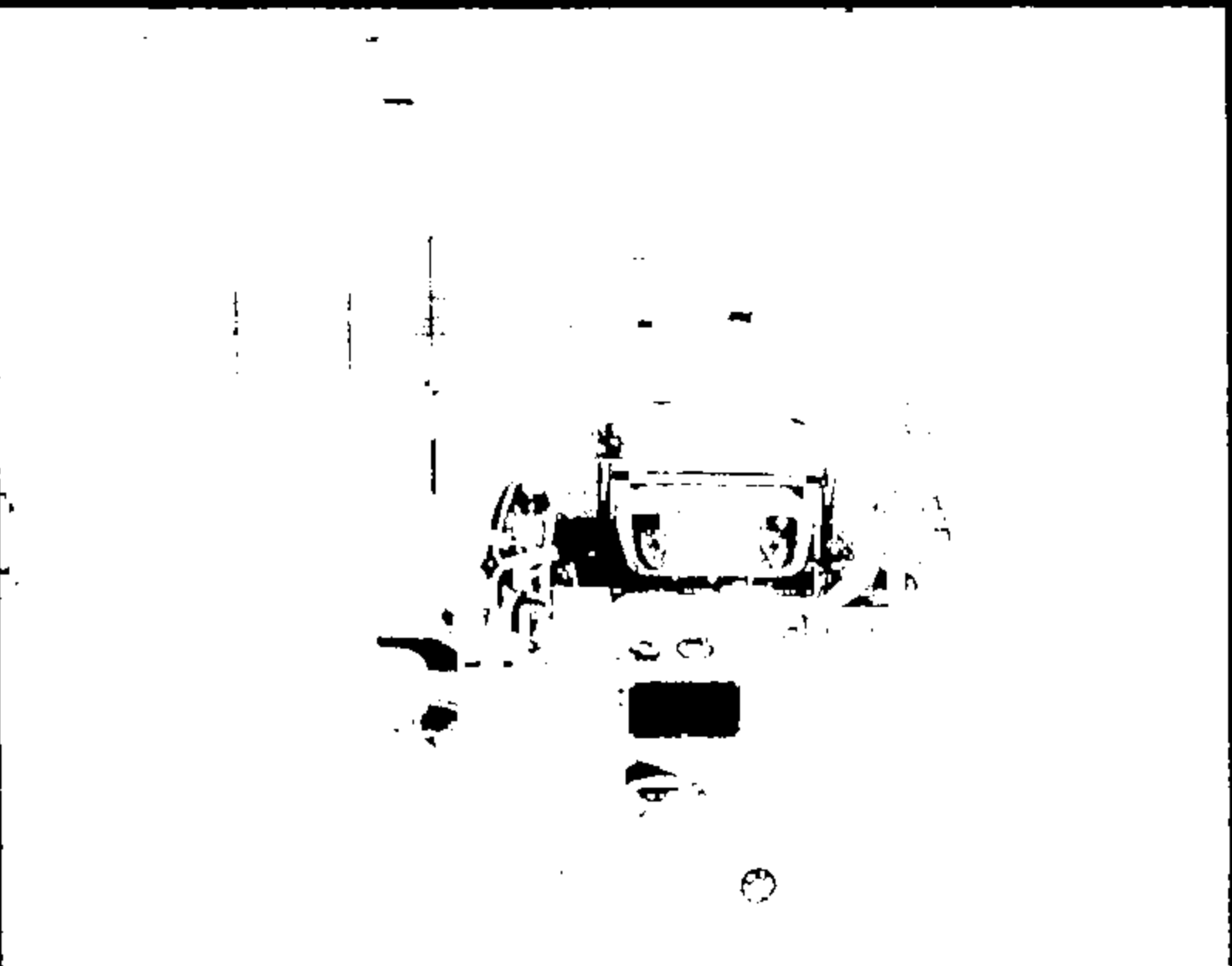
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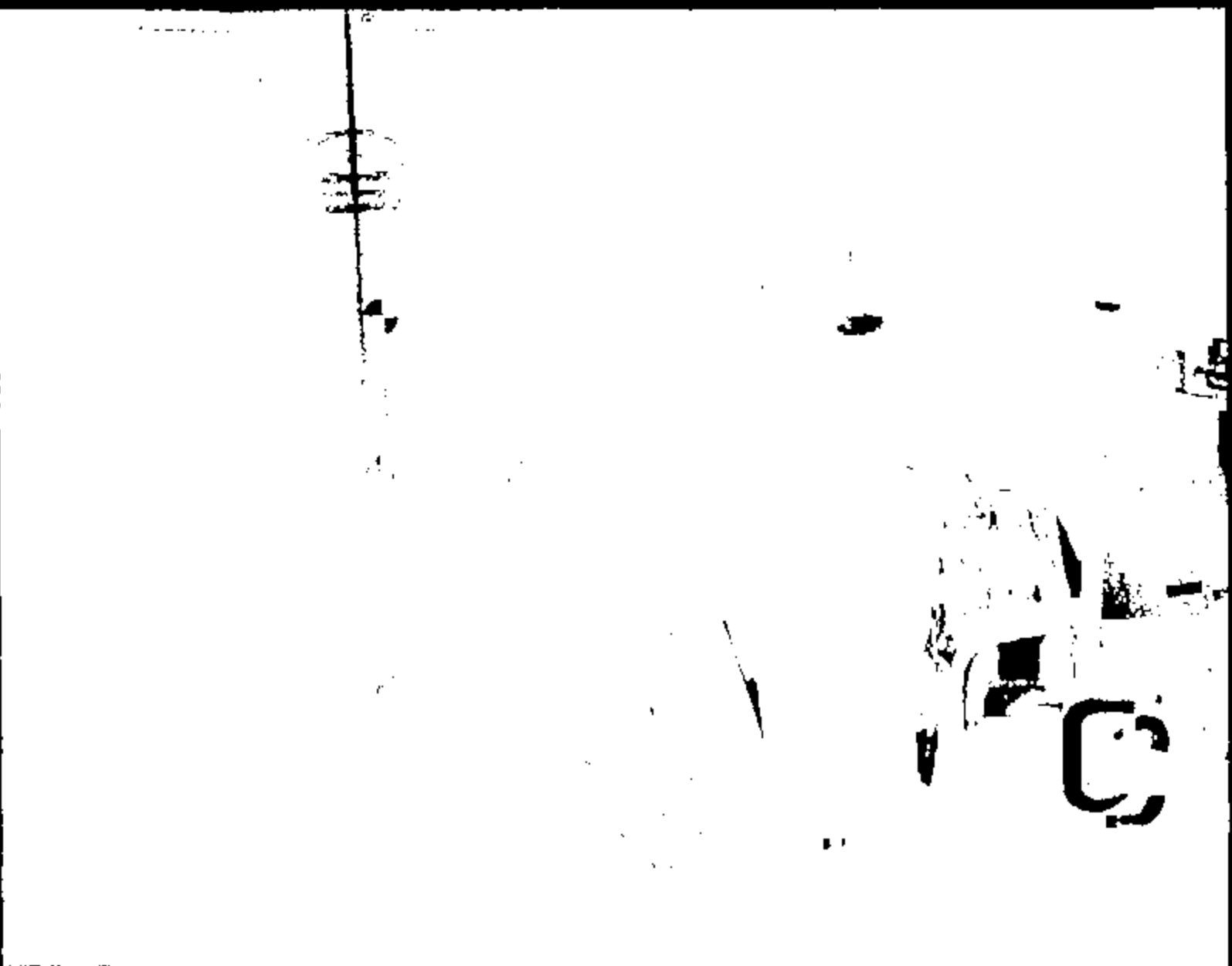
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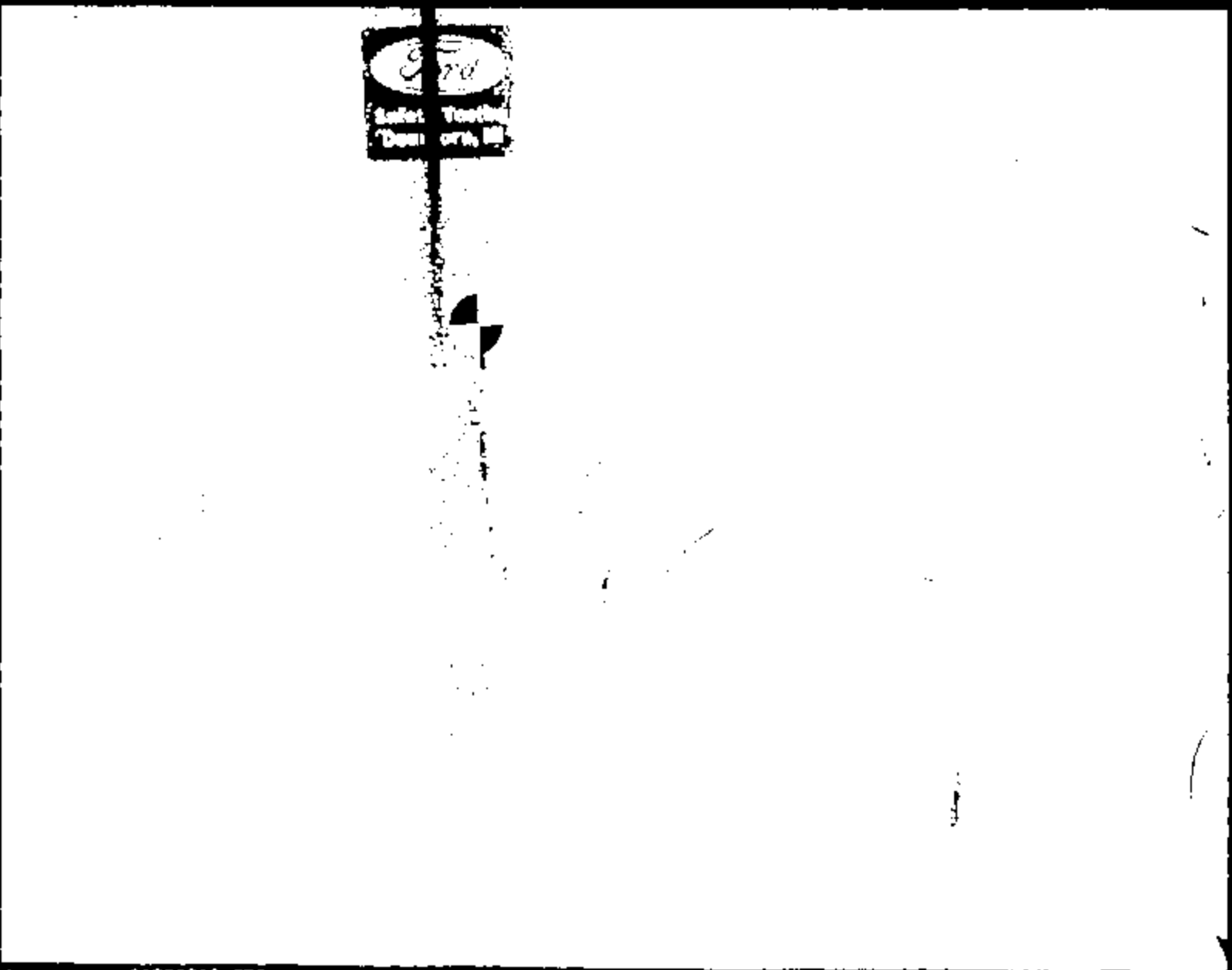
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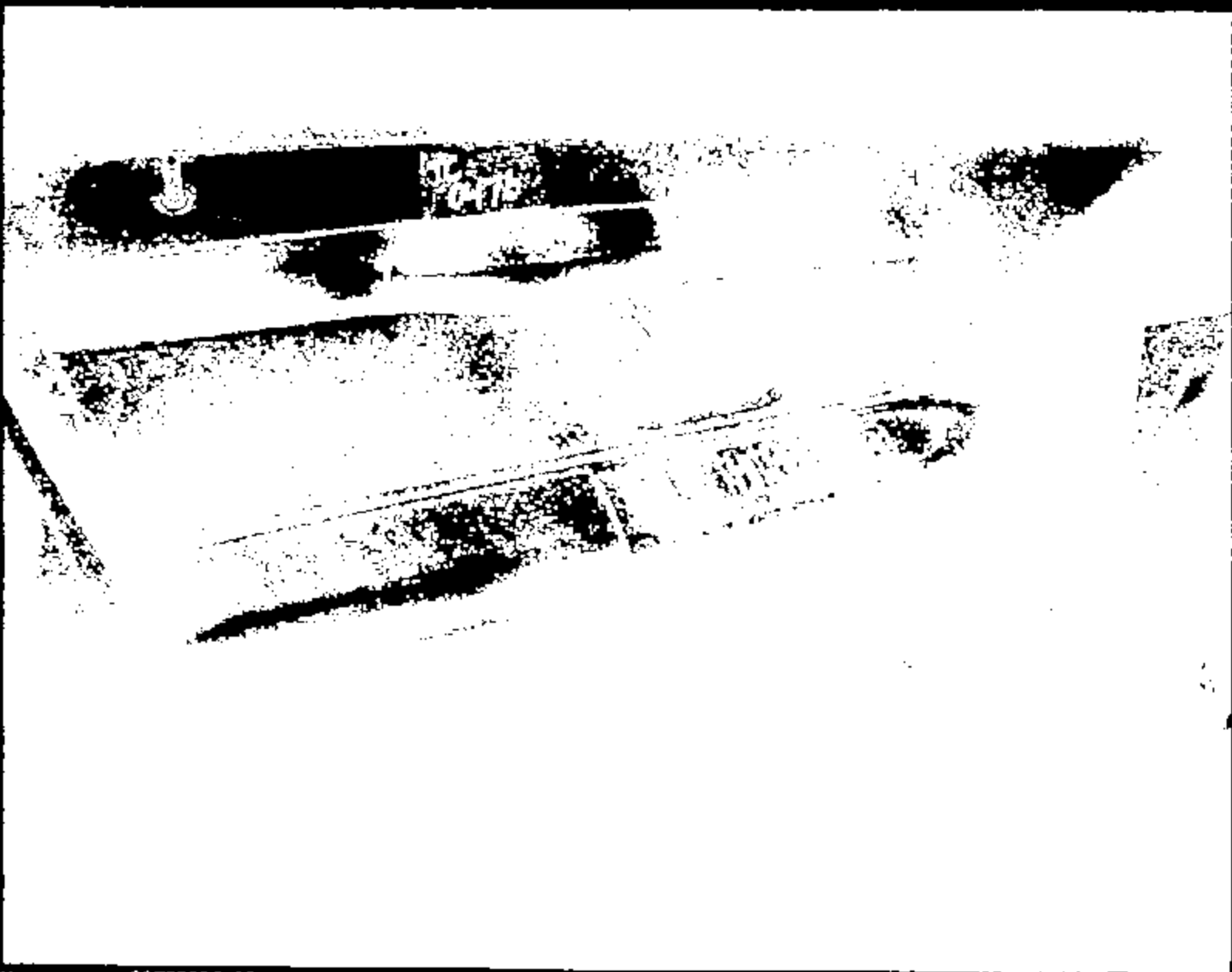
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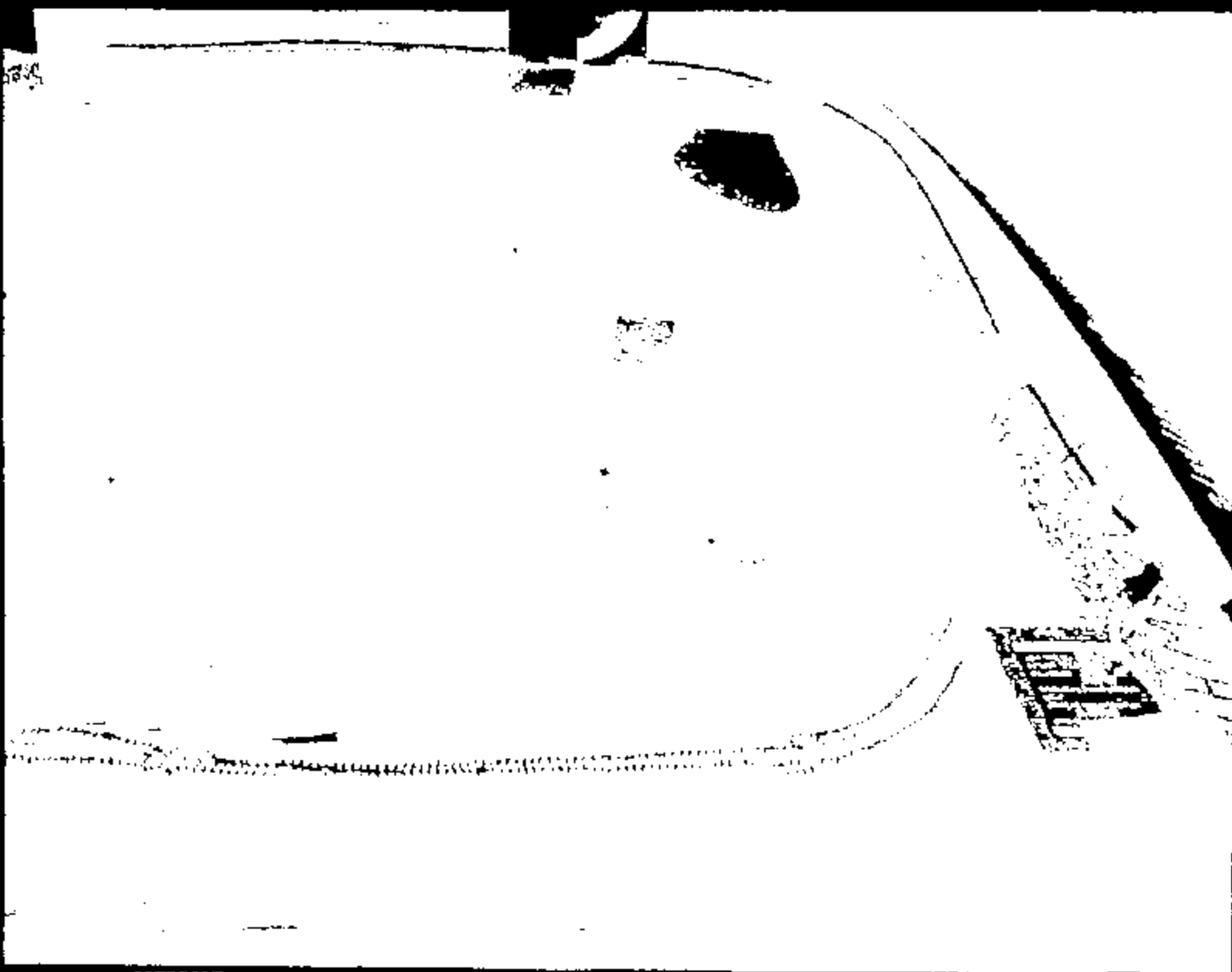


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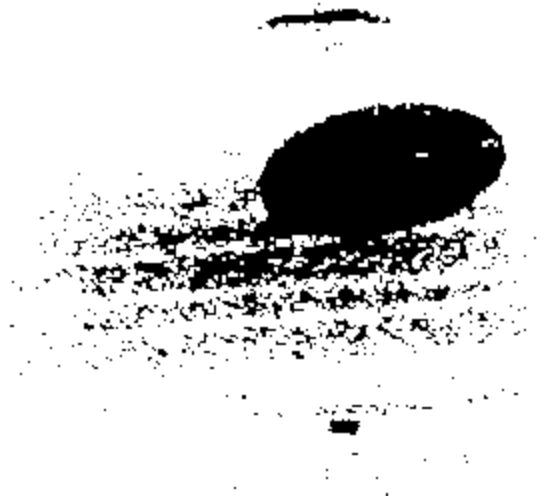


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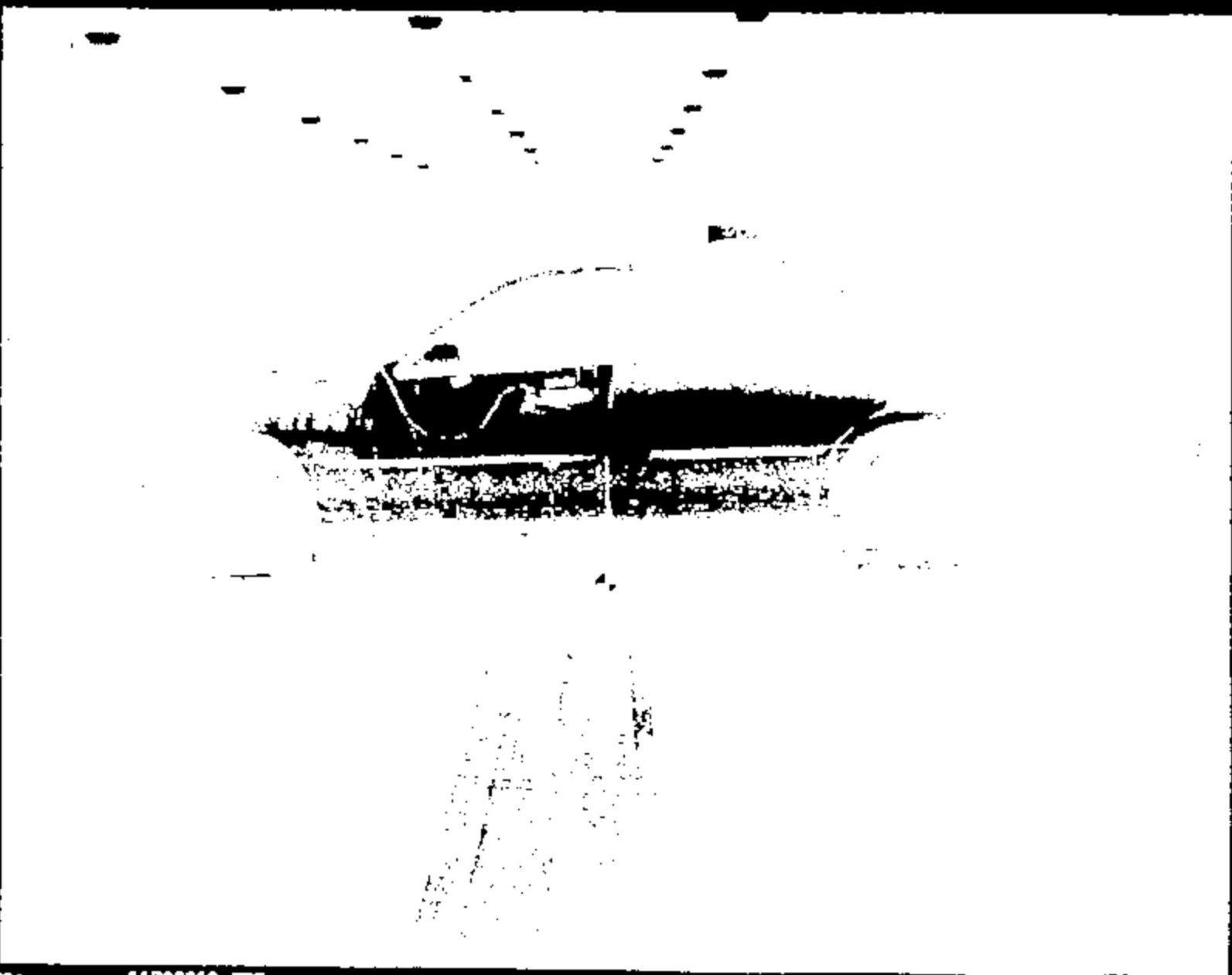


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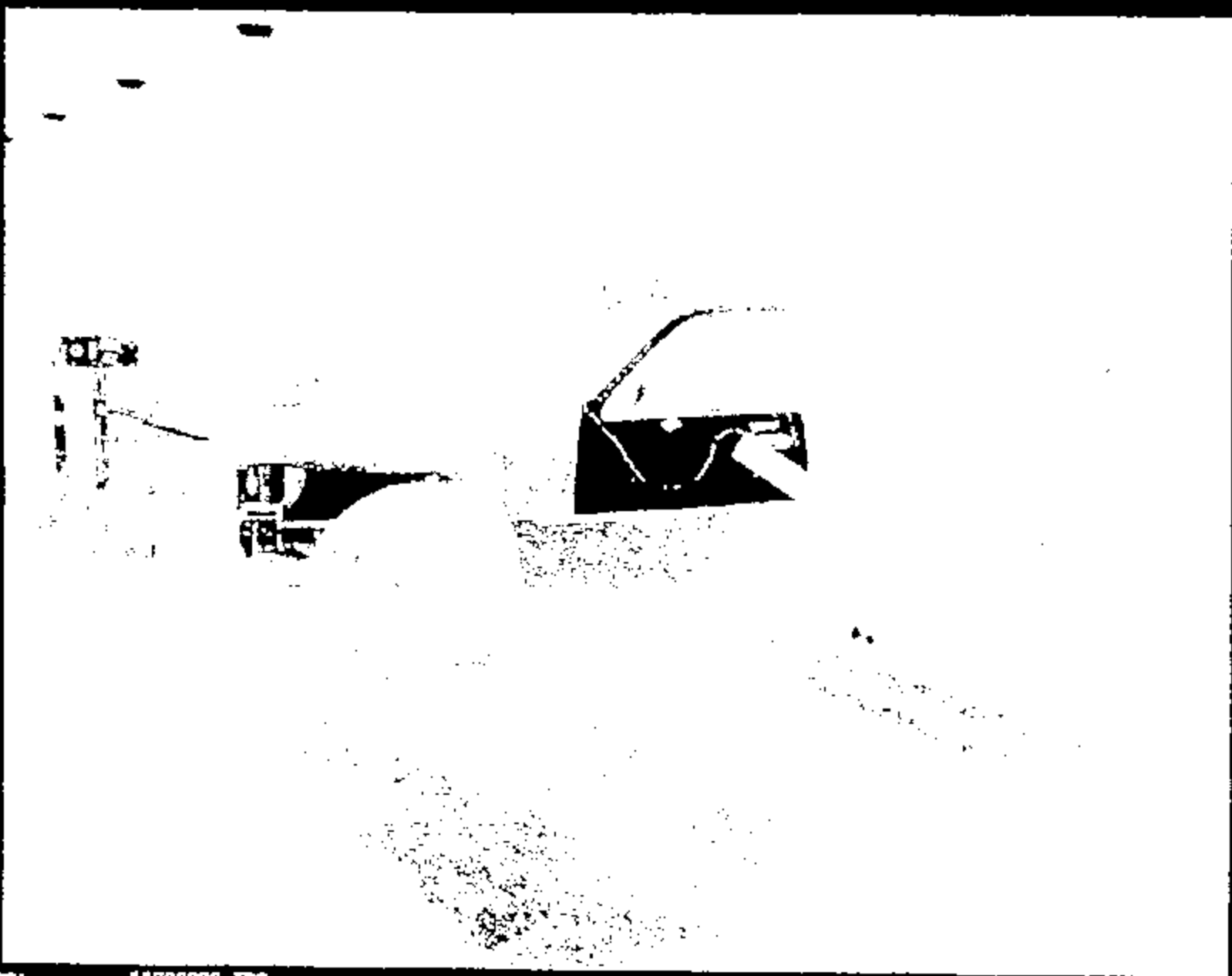
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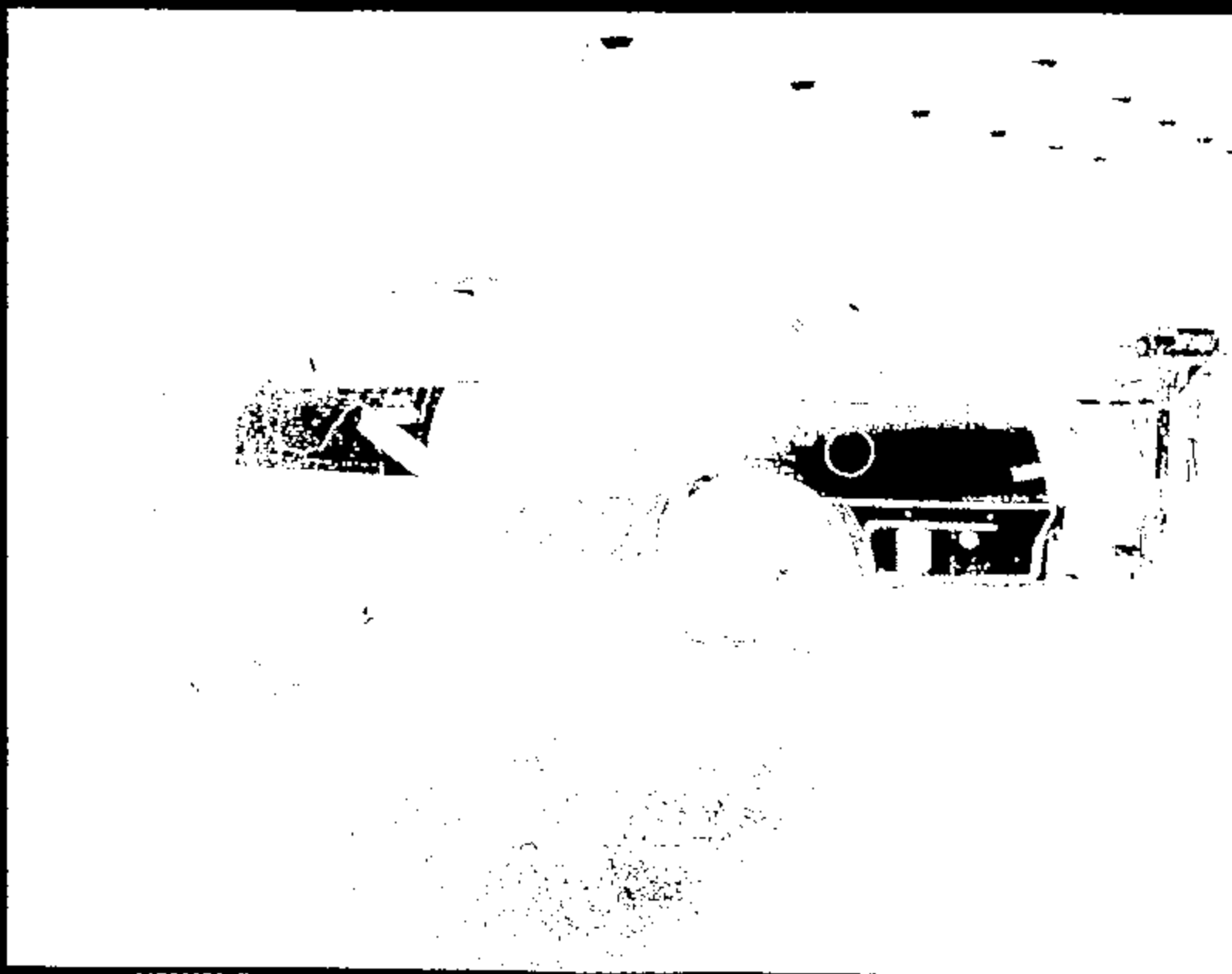


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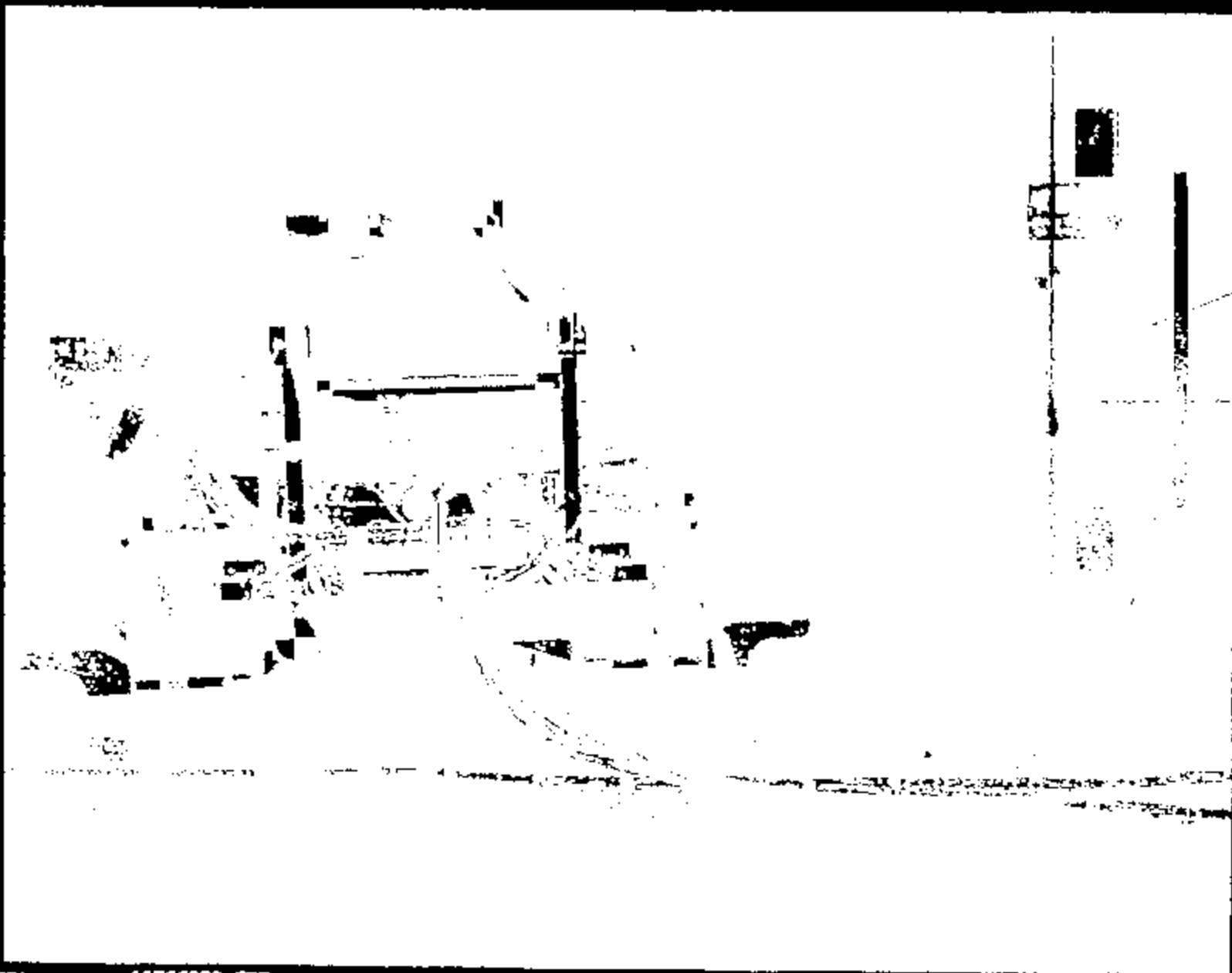


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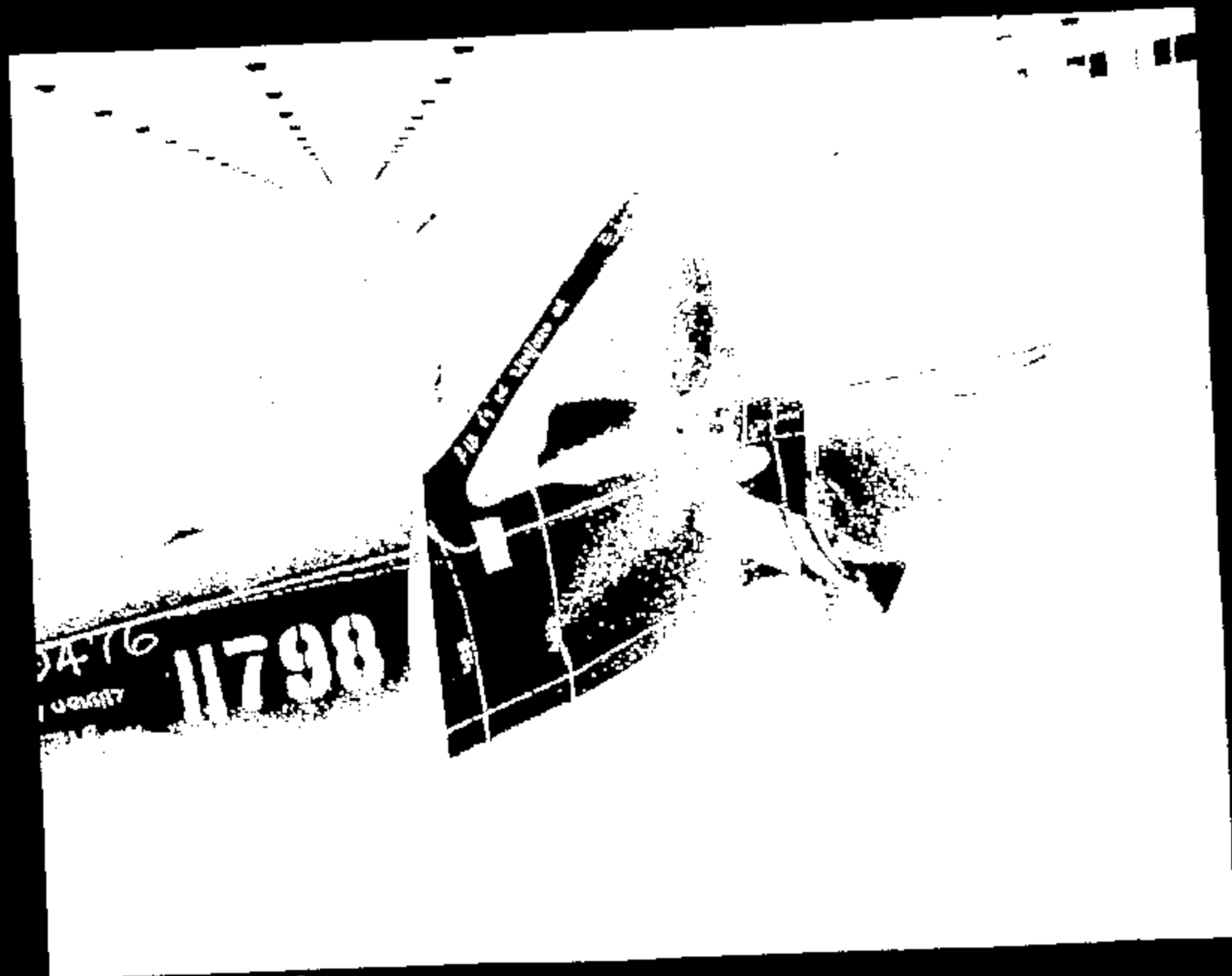


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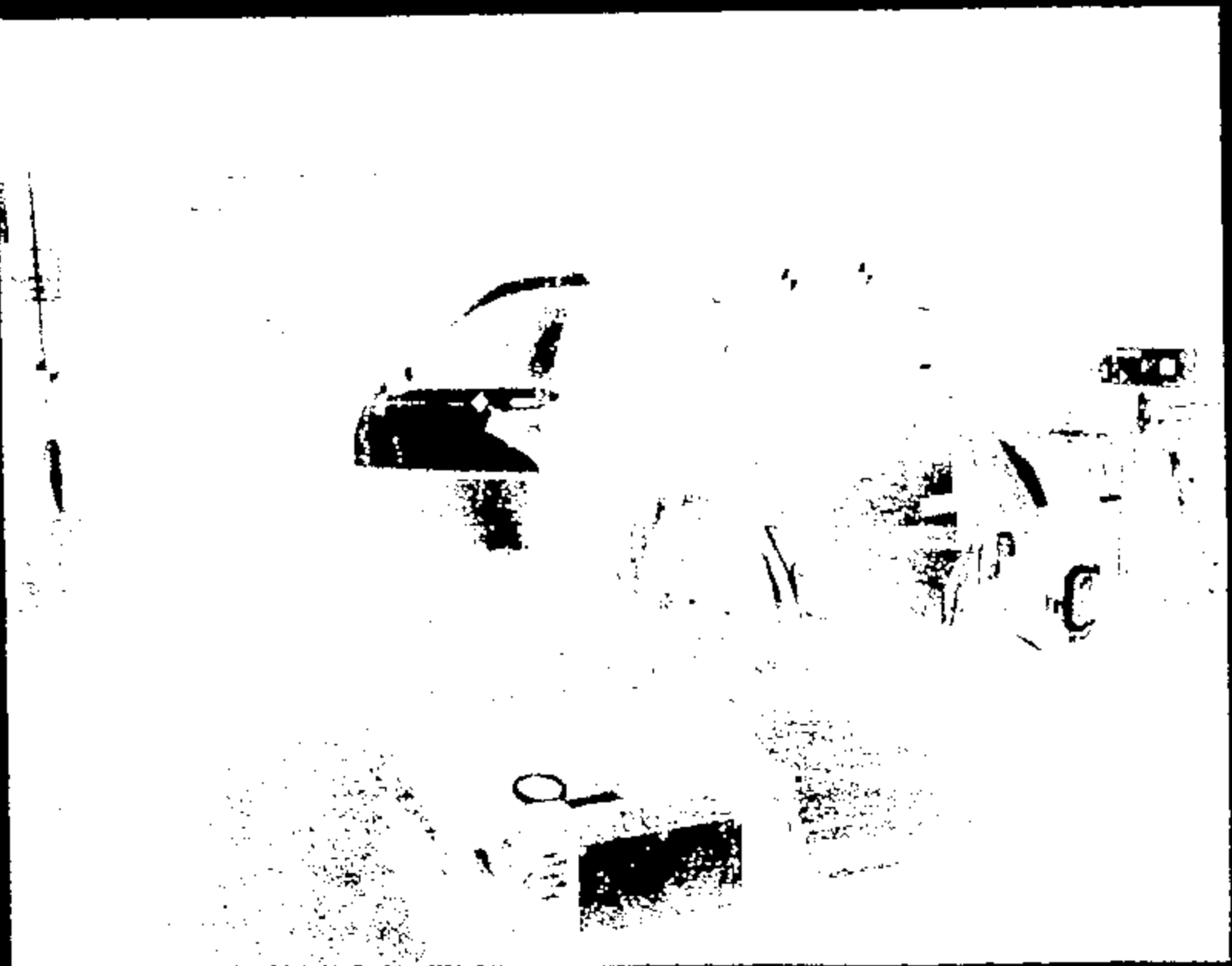
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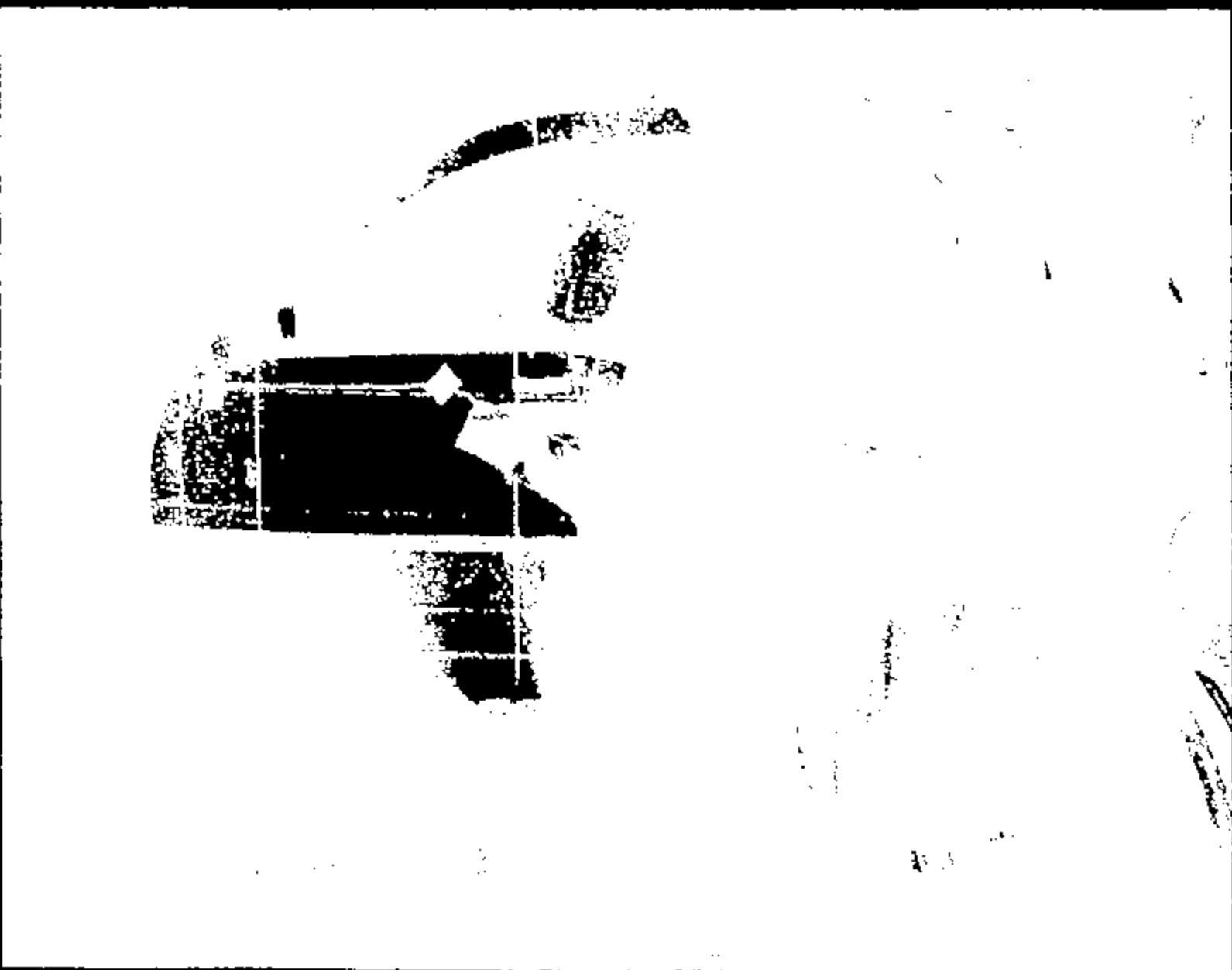
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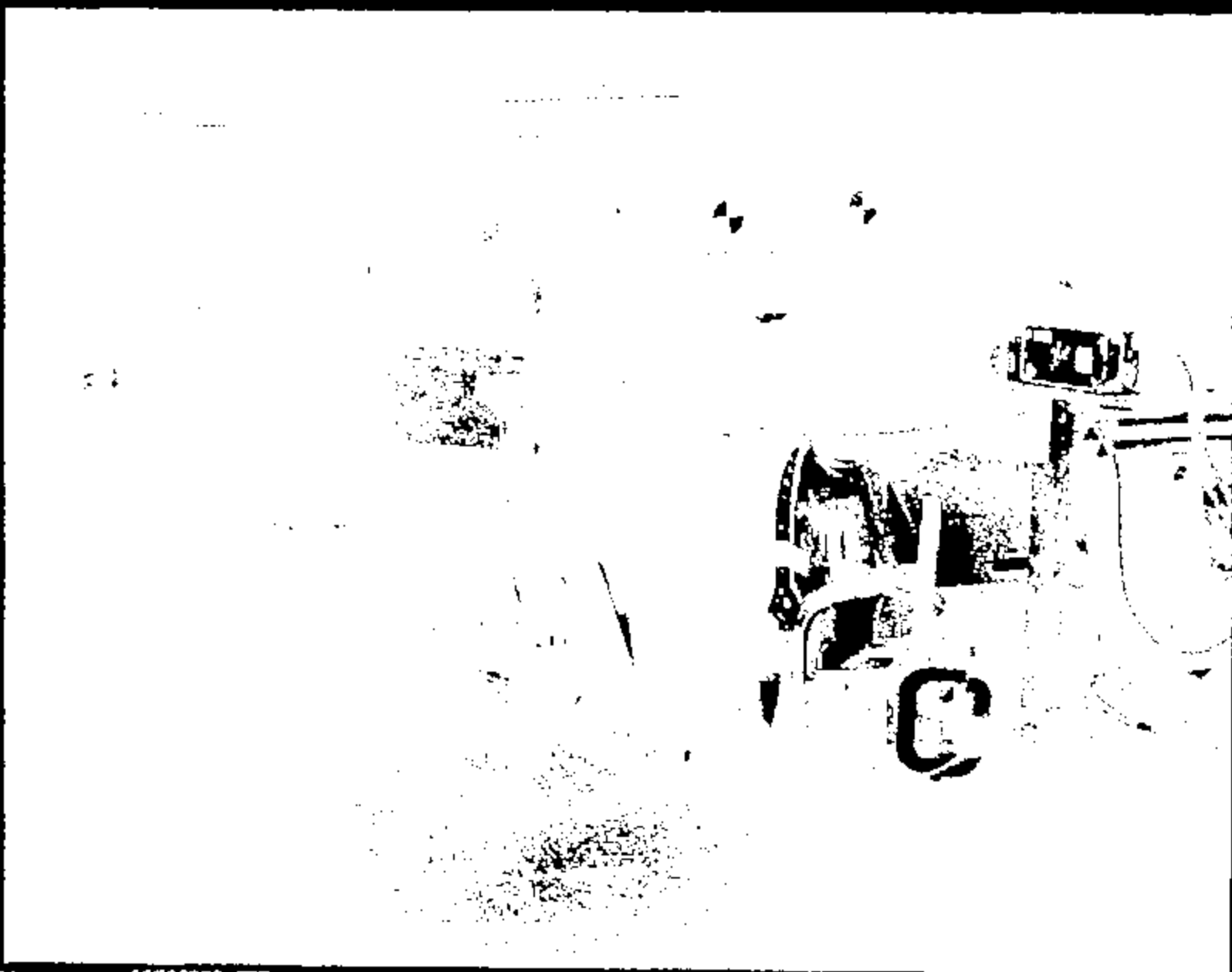


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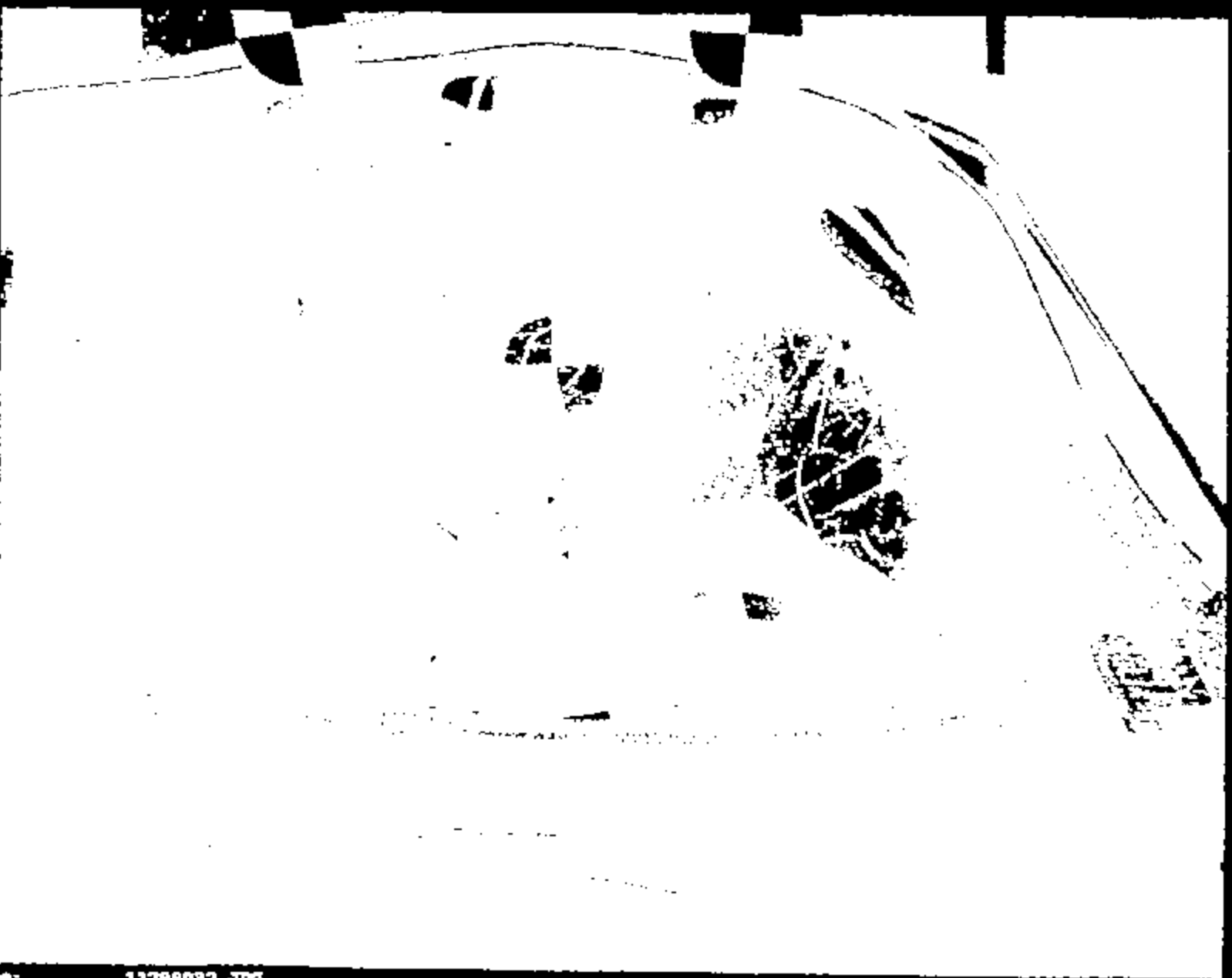
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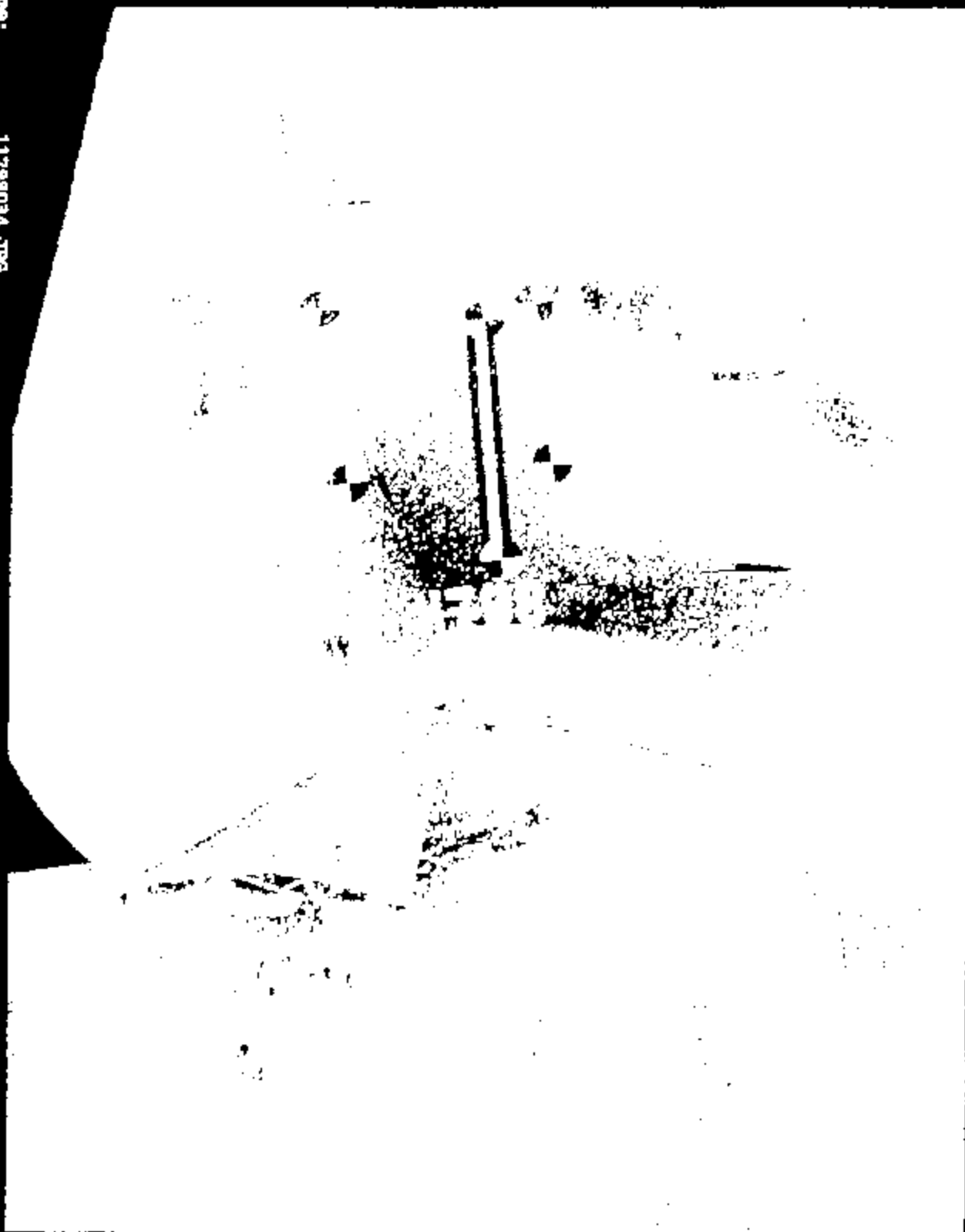
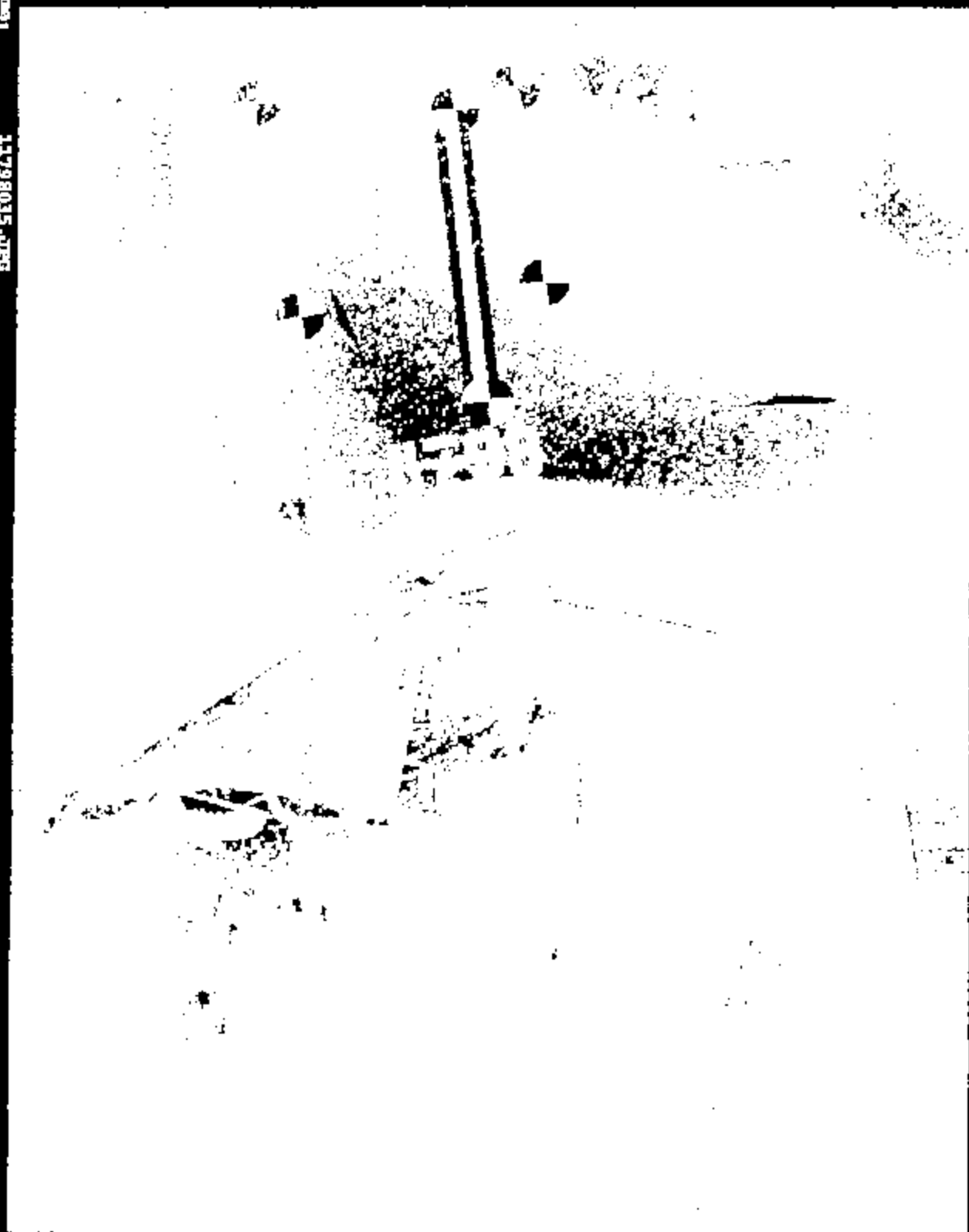


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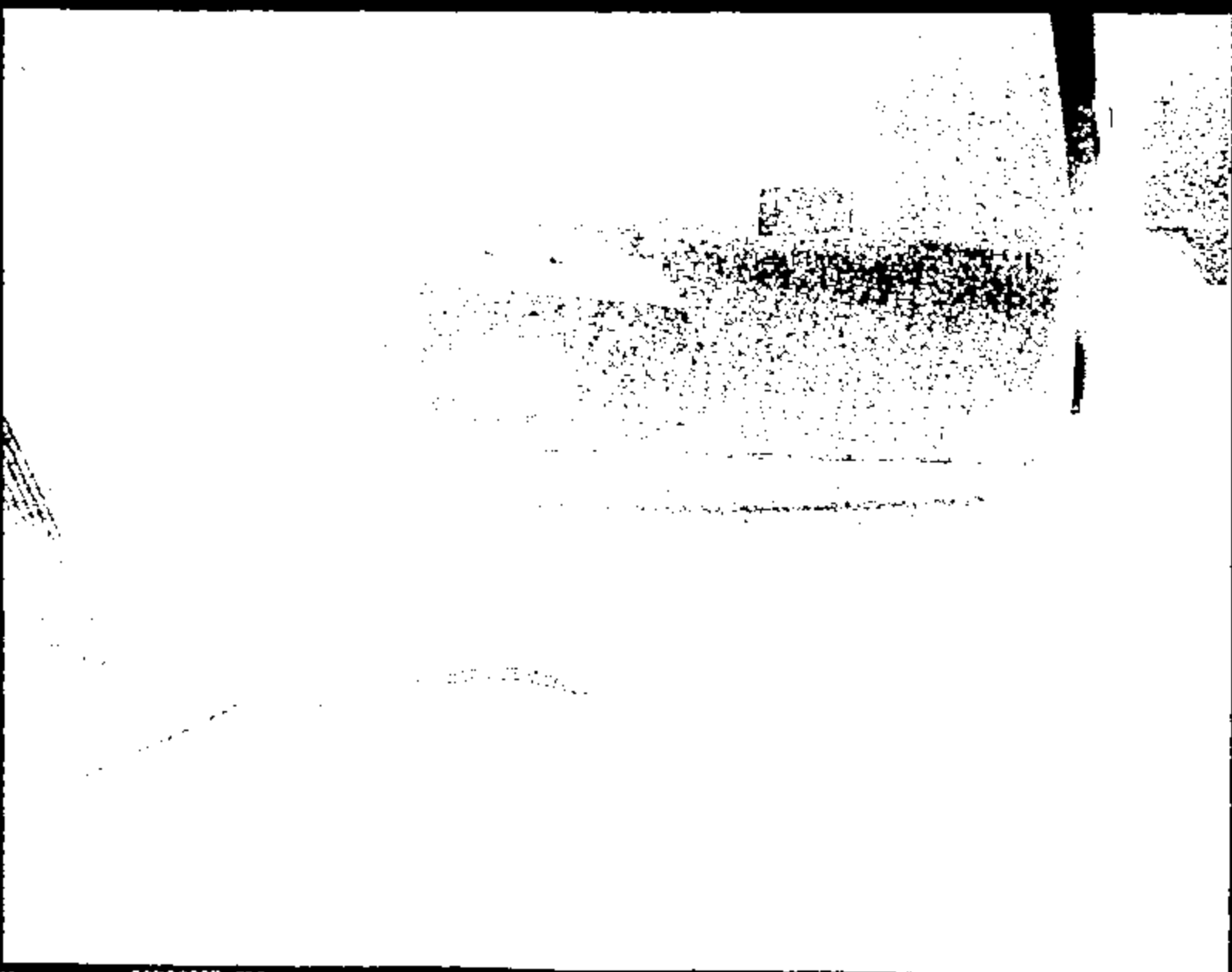


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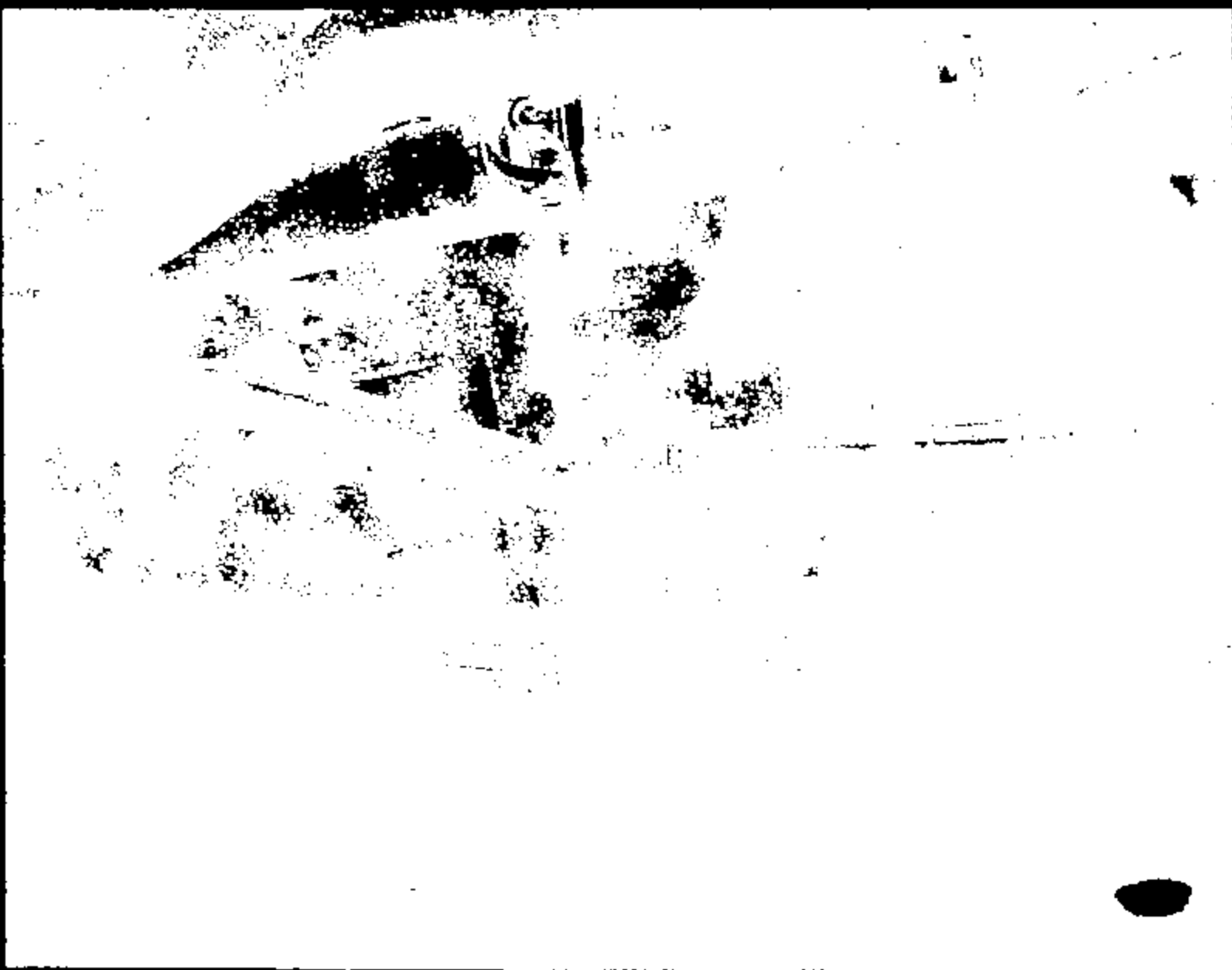


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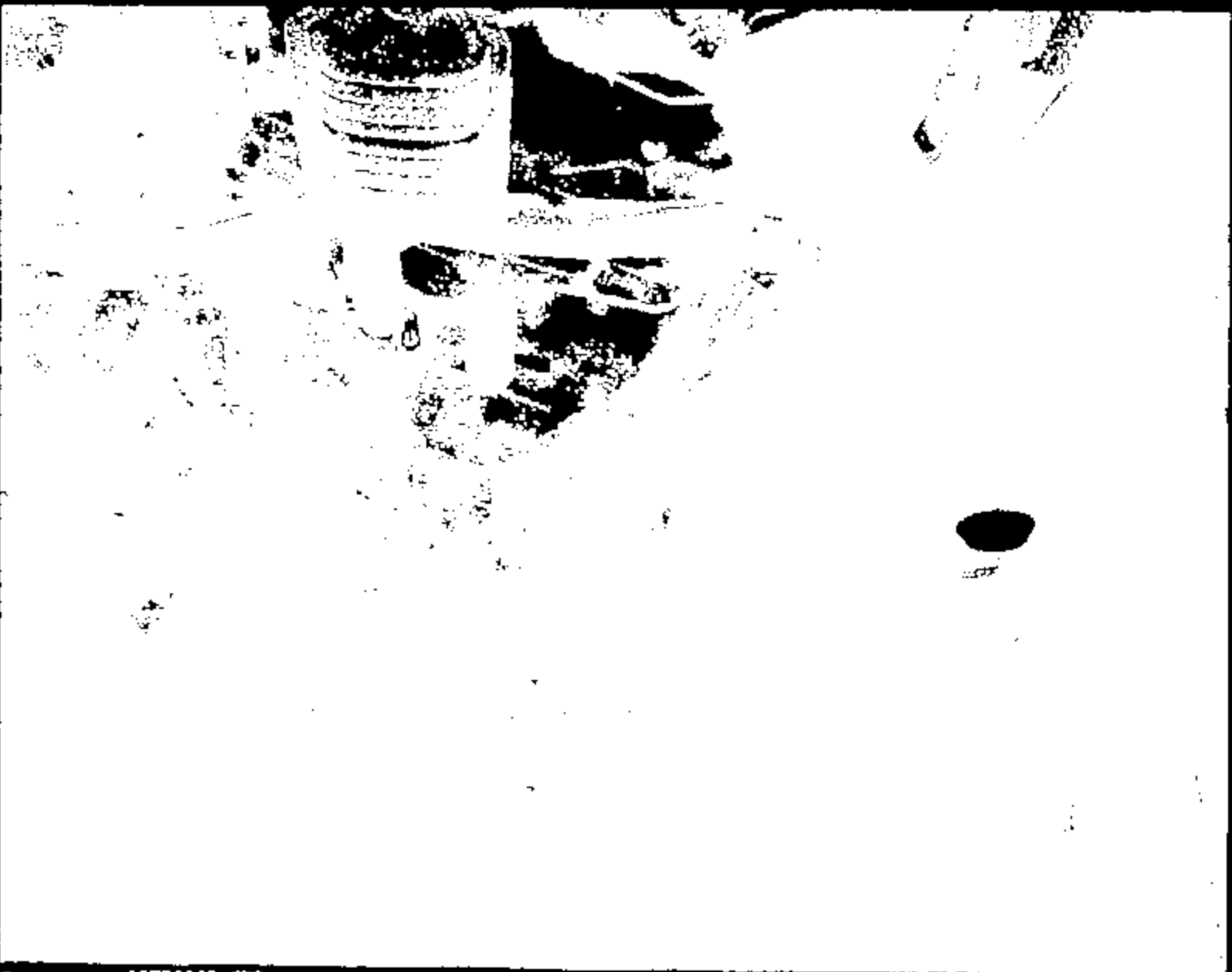
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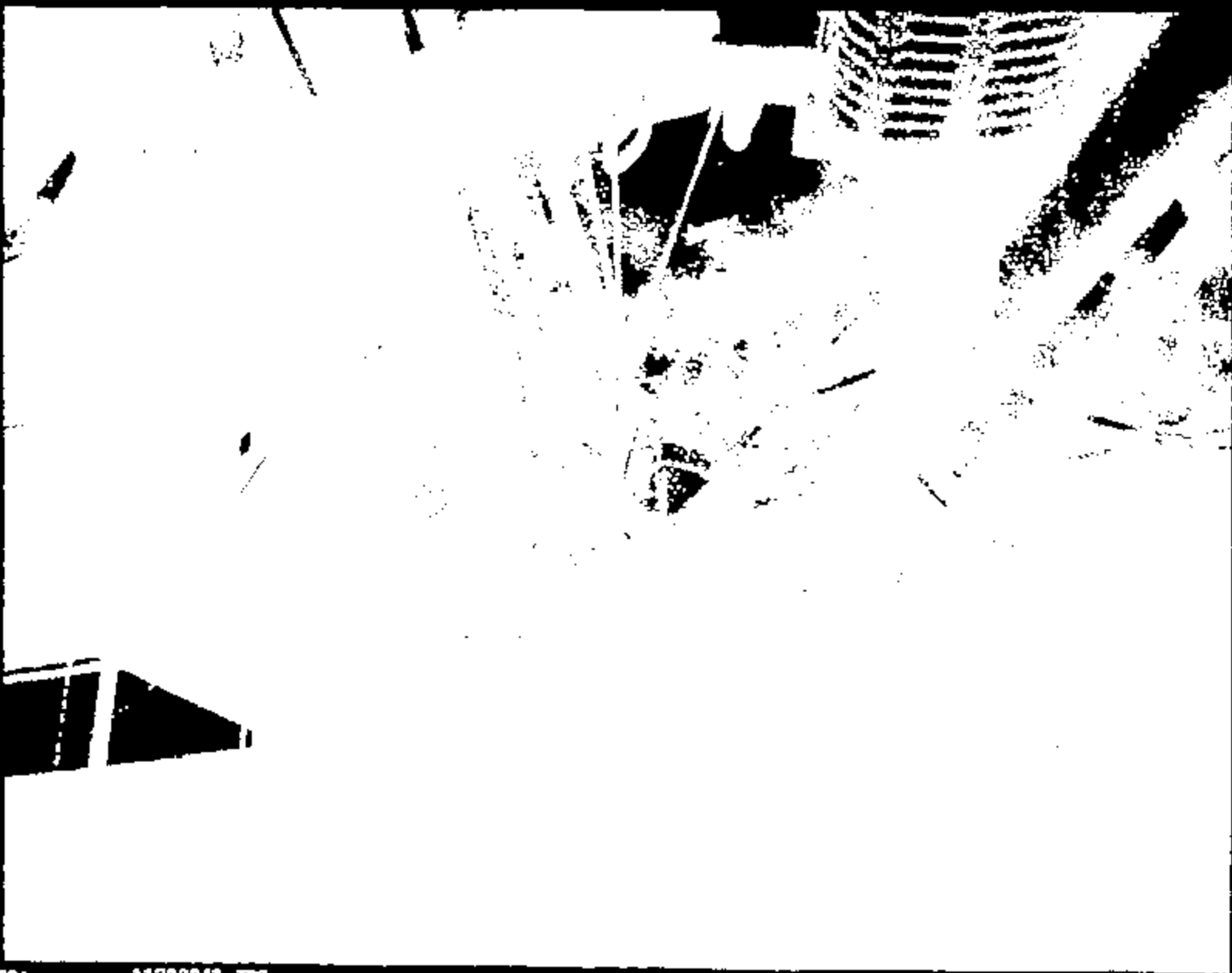
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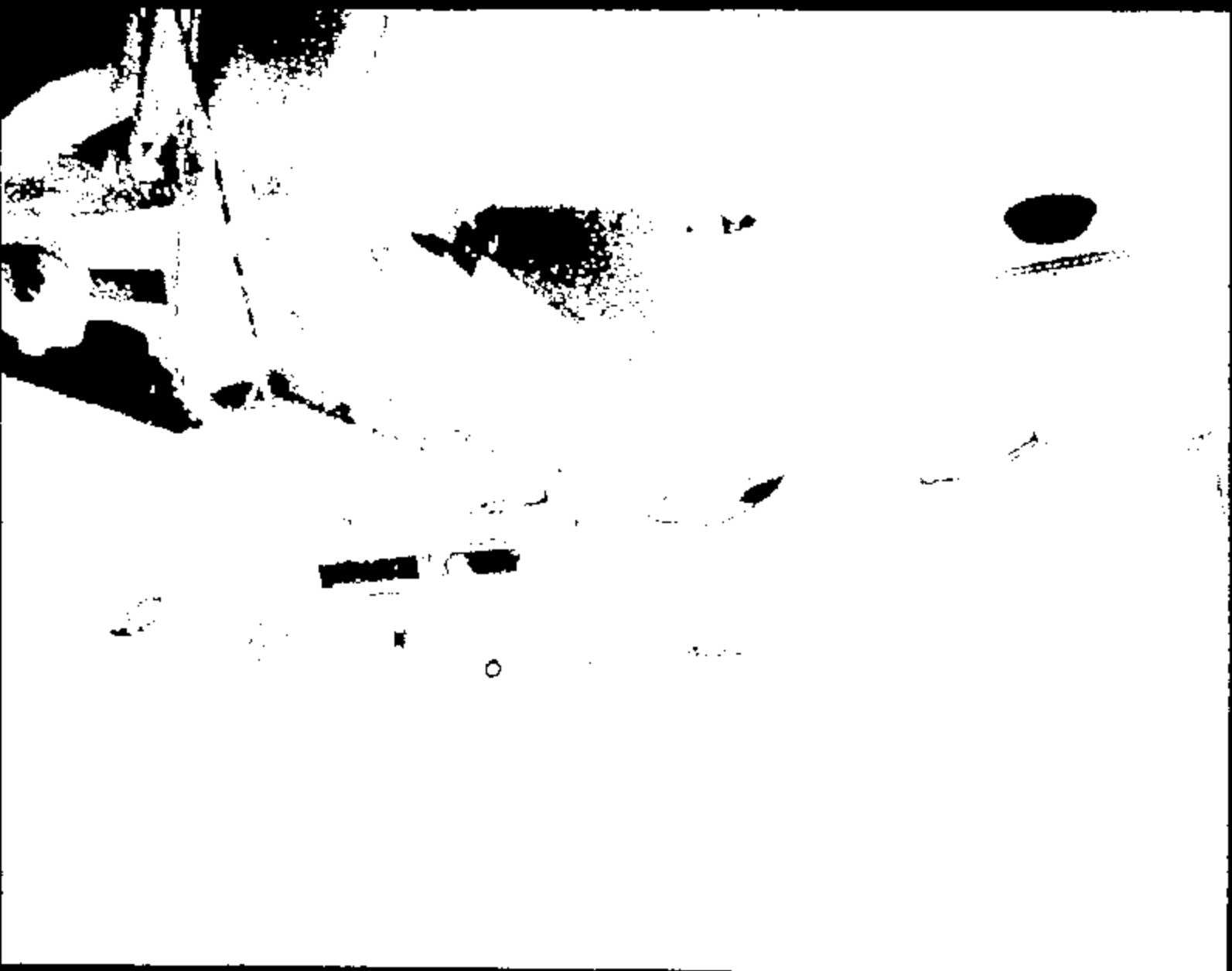


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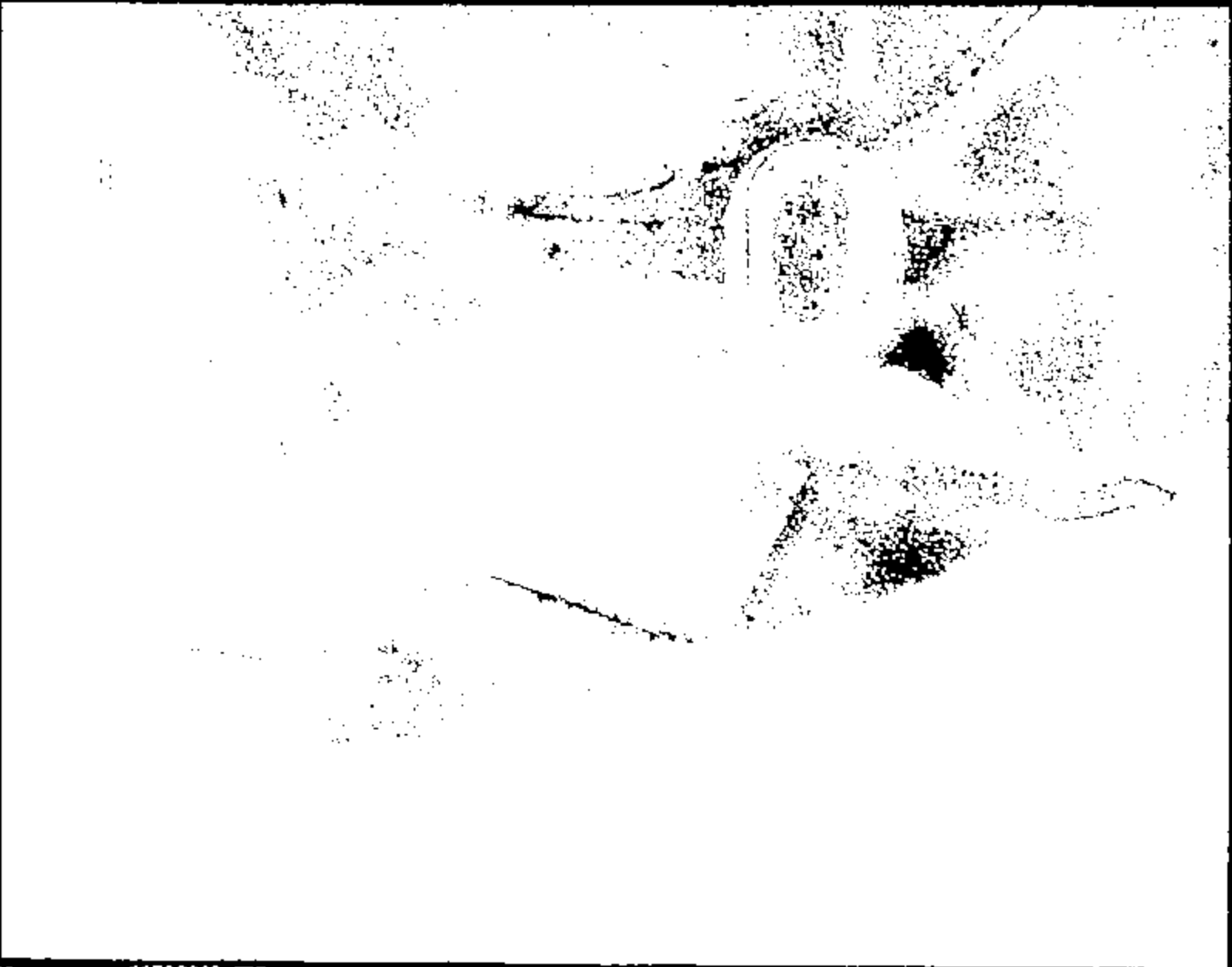
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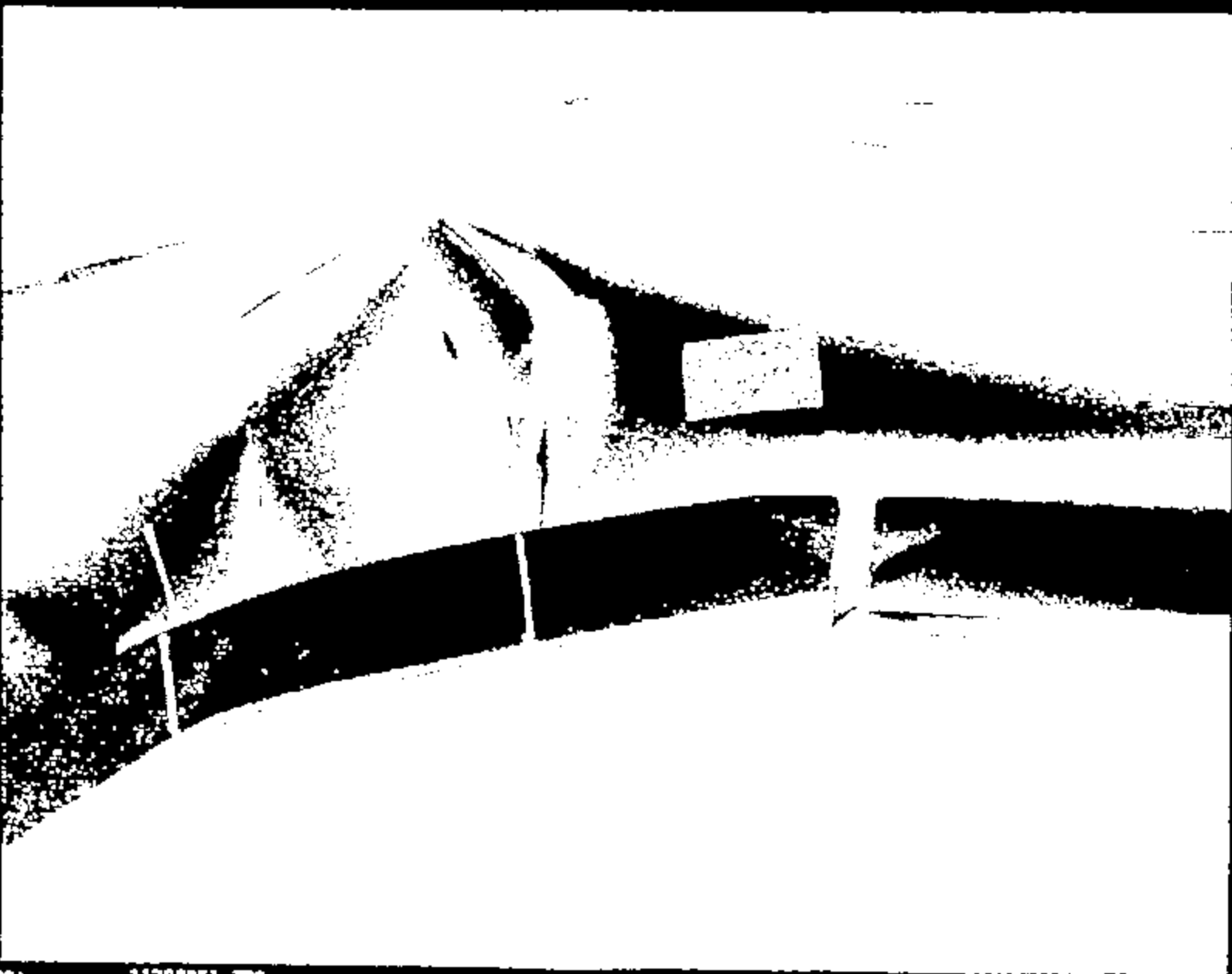
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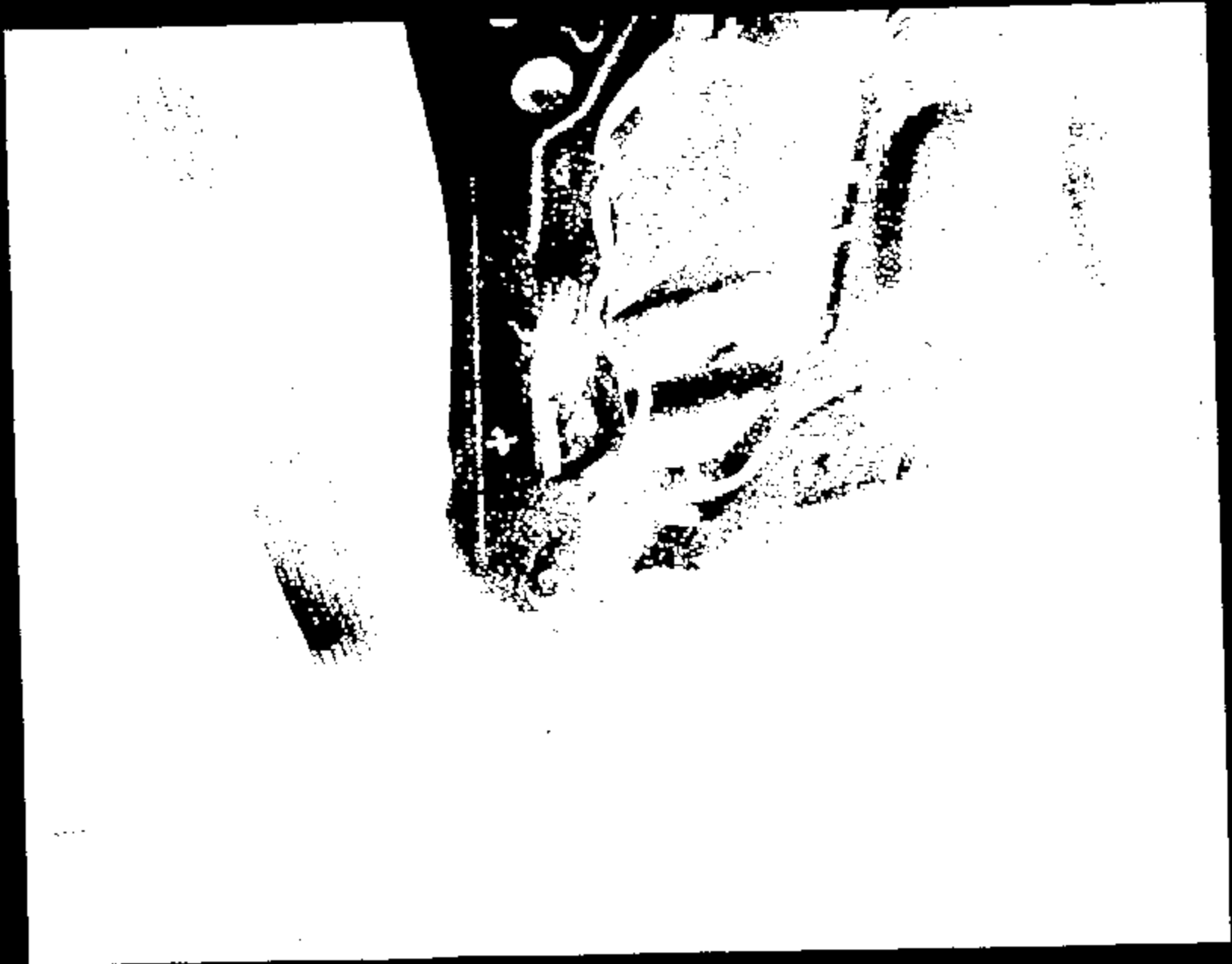


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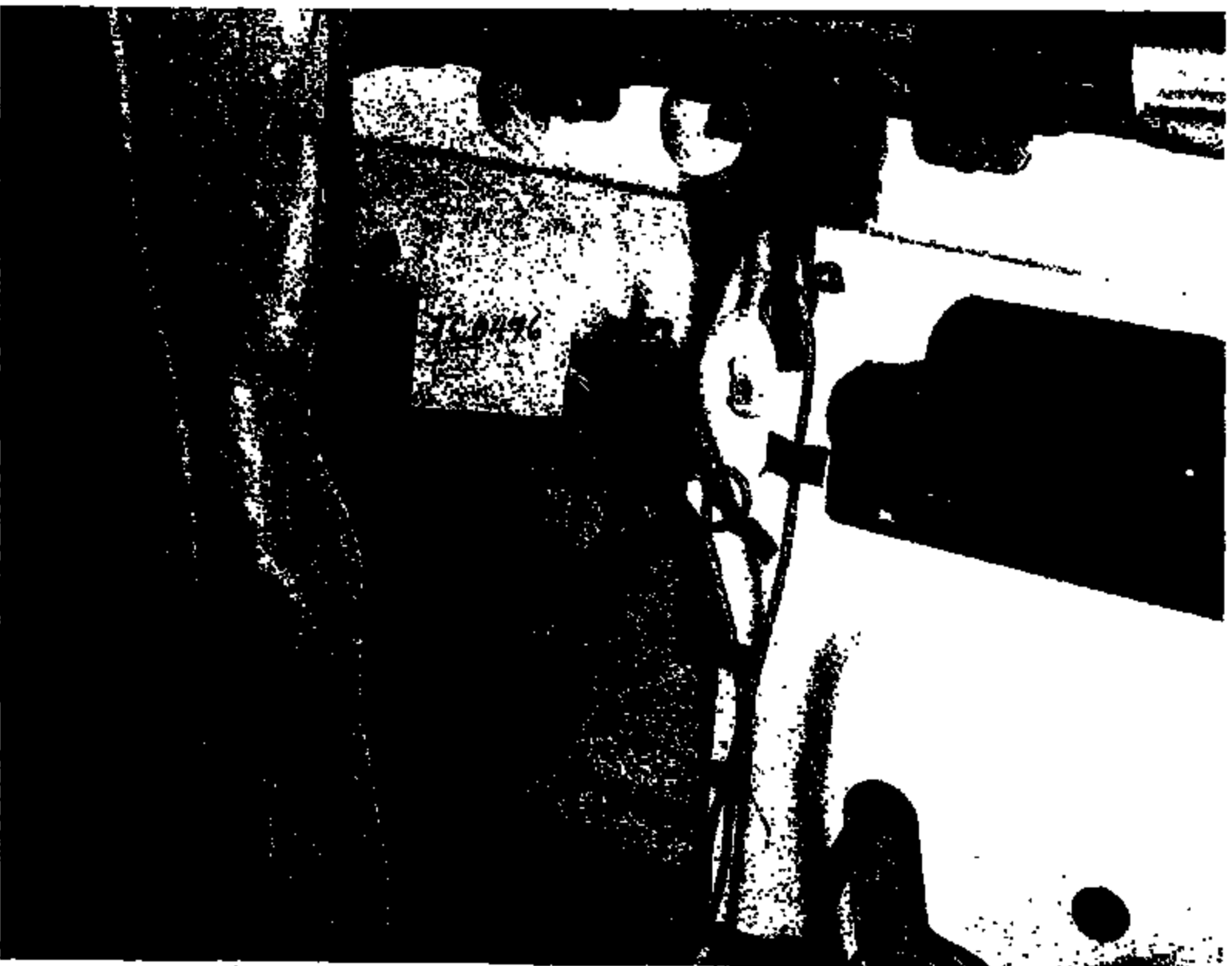
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Page 1

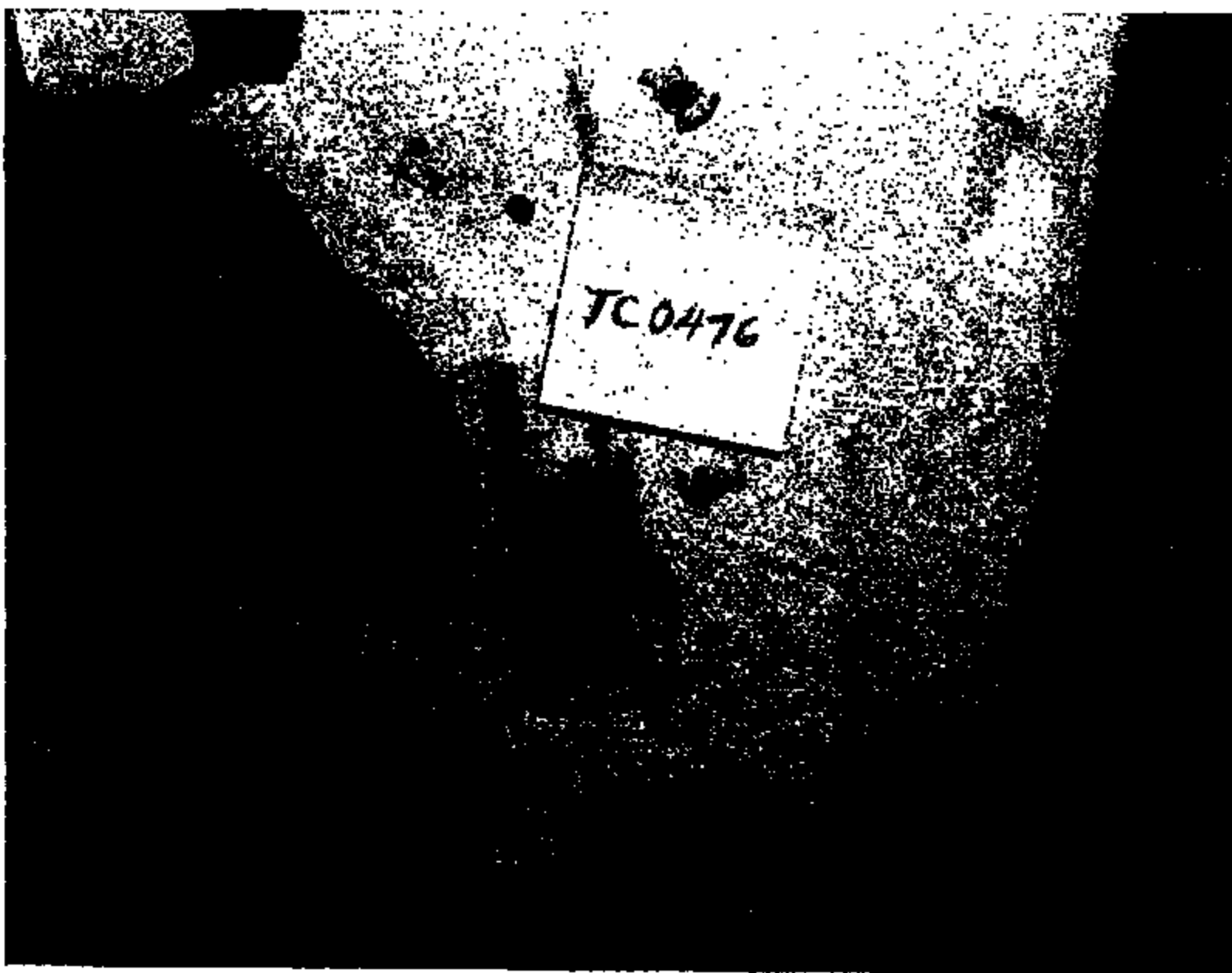
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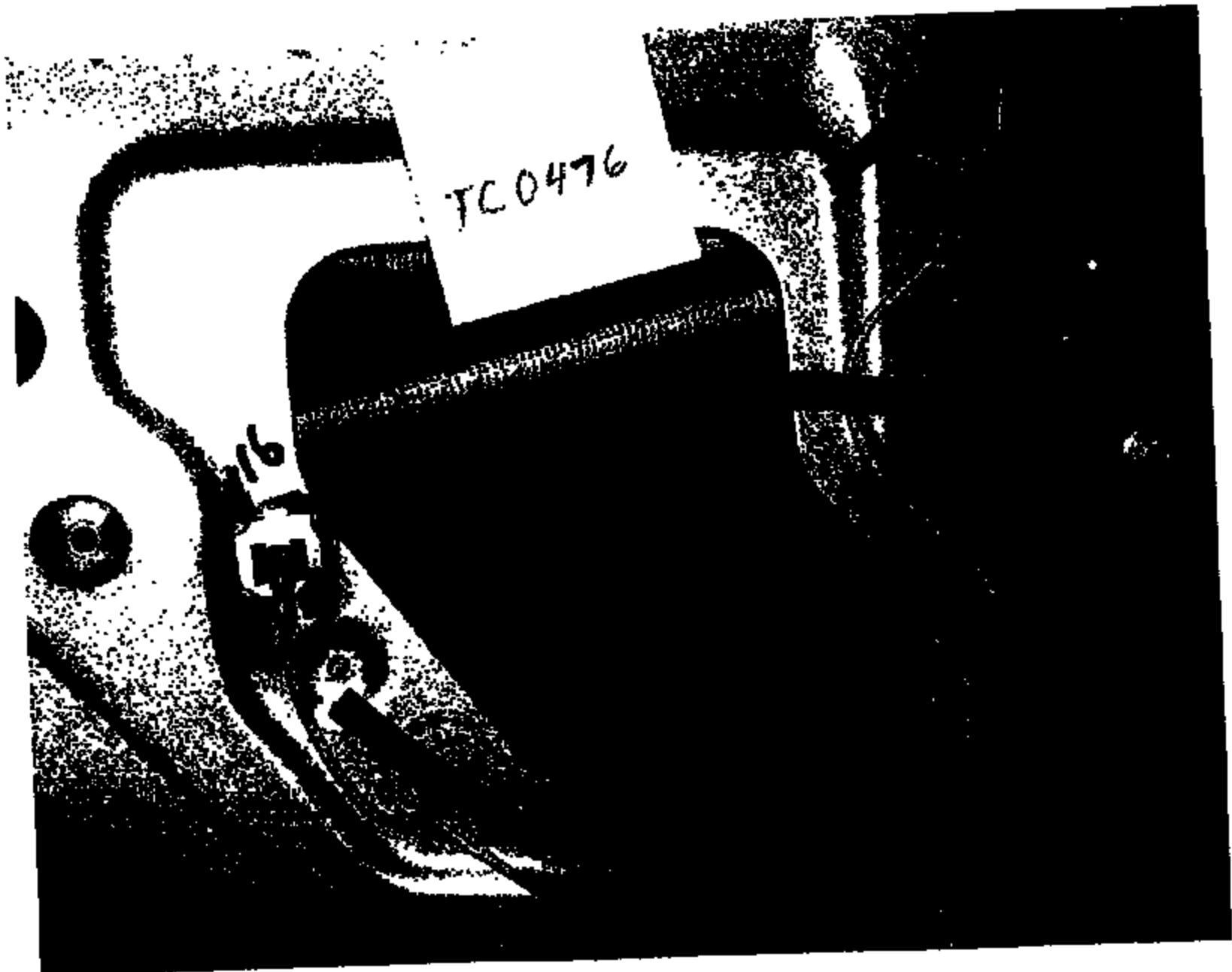
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Name:

Carron02.jpg

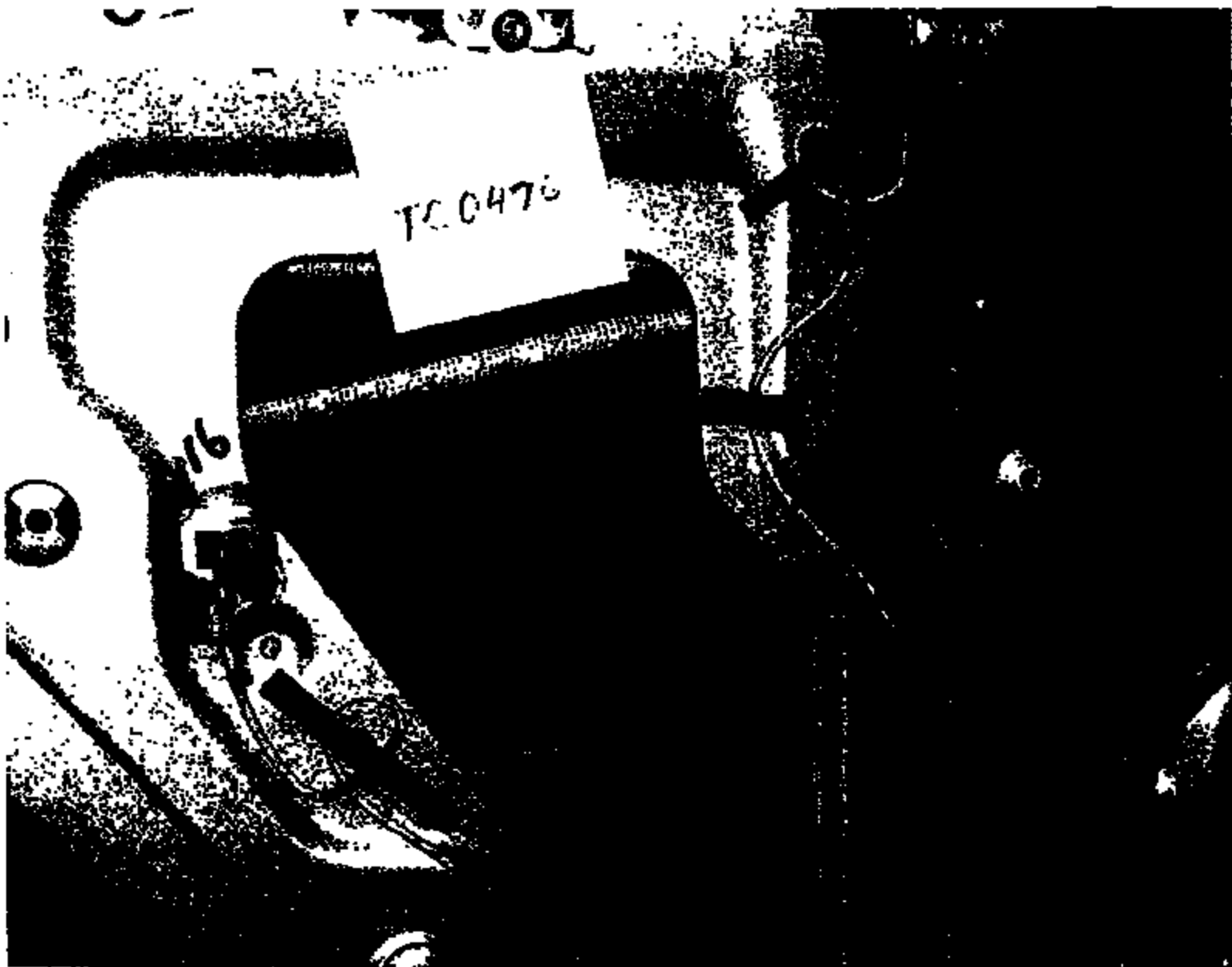


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Carren03.jpg

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Name:

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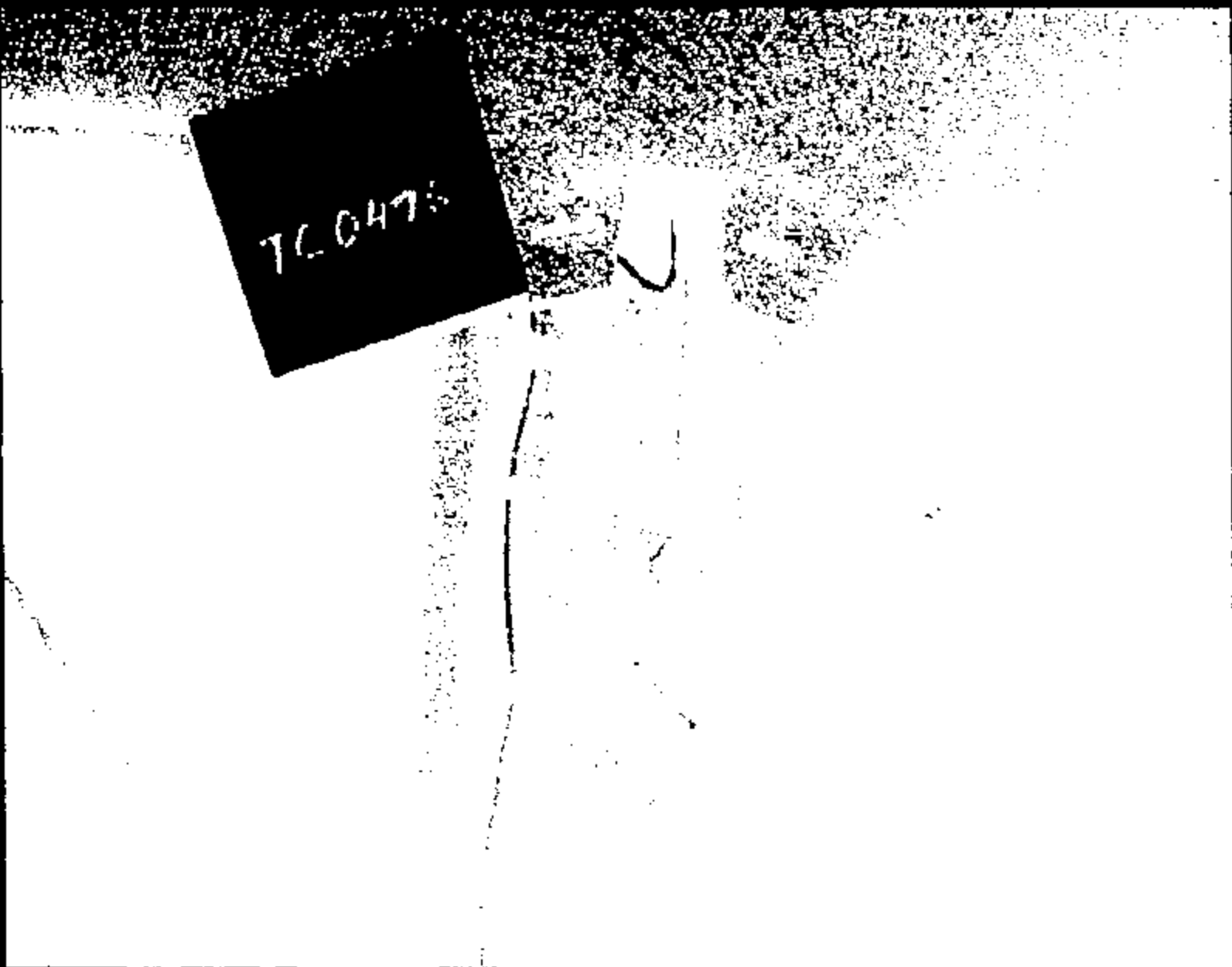
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Name:

Carron05.jpg

CRIS 0011798



Cartron06.jpg

Name :

CRIS 0011798

General Request Information

TA# TG0476

Test Mode

15mph LH Side Pole (250mm) Use rollers

Test Objectives: Cert (C) Verif (V) Dev (D) Audit (A) Safety Guideline (SG)

Regulatory

- ☐ FMVSS 204 - Steering Wheel Displacement
- ☐ FMVSS 208 - Frontal Occupant Protection
- ☐ FMVSS 212 - Wind Shield Retention
- ☐ FMVSS 214 - Side Impact Protection
- ☐ FMVSS 219 - Windshield Zone Intrusion
- ☐ Film Analysis
- ☐ Template
- ☐ FMVSS 301 - Fuel System Integrity
- ☐ Rollover
- ☐ Pressure Check
- ☐ FMVSS 309 - NGV Fuel System Integrity
- ☐ Rollover
- ☐ Pressure Check
- ☐ 74/237/EEC (ECE 12) - Protection of the Driver Against Steering Mechanism
- ☐ ECE 32 - Rear Impact Testing (Occupant Survival Space)
- ☐ ECE 33 - Frontal Impact (Occupant Survival Space)
- ☐ ECE 94 - Prevention of Fire Risk
- ☐ 98/74/EC - Frontal Offset
- ☐ ECE / M / 138 STEP II - 300mm Barrier Side Impact

Ford Automotive Operations Safety Design Guidelines

- ☐ Front FAO Safety Design Guidelines (Includes Door Performance)
- ☐ Offset Frontal FAO Safety Design Guidelines
- ☐ Interior Side Impact Protection FAO Safety Design Guidelines
- ☐ Rear Impact (Includes Door Performance)
- ☐ Fuel System Performance FAO Safety Design Guidelines

Other

- ☐ Sensor Development
- ☐ Other, Specify: _____

Primary Test Vehicle Information

Use (Target/Built):	TARGET
Model Year:	2001
Vehicle Program:	FN148 LWB
Vehicle Name:	LINCOLN
Body Style:	SEDAN
Build Number:	VC180019
Tag Number:	311/379
VIN Number:	1LNHM82W3KY707884
Fuel System Rated Capacity:	19 gallons
Prototype Level:	CP
Drive Side:	LH

m-2-00
1-26-00

Special Prep/Build Instructions Primary Vehicle

TAs TC0478

Special Build Instructions

☐ Remove Side View Mirrors
☐ Remove Headrests
☐ Remove Hood
☐ Remove Arm rest
☐ Remove Bottom of Bumper Cover
☐ Cut Off Brakes & Clutch Pedal
☐ Color Contrast Under Hood Components

Other, Specify:

☒ Install RCM Bracket, RCM, Takata Sensors
☒ Replace left driver door with new downgauged door.
☒ Confirm new door has been baked and painted.
☒ Confirm windows are up.

Pyro Restraints Usage

☒ Left Front Air Bag
☒ Right Front Air Bag
☒ Left Side Air Bag
☒ Right Side Air Bag
☒ Left Pyro Retractor
☐ Left Pyro Buckle
☐ Right Pyro Retractor
☐ Right Pyro Buckle

Other, Specify:

☒ LIVE FIRE
☐ Remote Fire Thru:
 (No fire time listed if sensor fired OR if no pyro restraints are used)

Special Pre-Test Preparation

Other, Specify:

☐
☐

Occupant / ATD Request Primary Vehicle

TAS TC0478

		Occupant 1	Occupant 2
Type		BioBID	N/A
Instrumentation Level*		Uninstrumented	N/A
In-Vehicle Location		Left Front	N/A
Verify:	Seat Position Long	Mid track travel	N/A
	Seat Position Vert	Full down	N/A
	Seat Back Angle	28 degrees	N/A
Positioning Procedure		ST-1B	N/A
	Use Foot Rest	Yes	N/A
	Take Seat Track Video	N/A	N/A
	Special Positioning Instructions		
Dummy Adjustment	(arm angle)	N/A	N/A
Occupant Belted		Yes	N/A

*See instrumentation request for detailed instrumentation information.

Test Conditions - Final Prep

TA# TC0475

Final Prep Contacts

ONE of these MUST be present during weigh-up & final prep

Test Engineer	Request Engineer	Build Coordinator
Name: _____	Mary Wroten	Emory Moler
Phone: _____	33-71789	84-57542
Pager: _____	MWRO	EMEL

Tire Pressure (psi)

Front: 32Rear: 32

Fuel System

Fuel Tank & System to Contain: None

<u>N/A</u>	=	<u>N/A</u>	x	<u>19 gallons</u>
Full Level	=	%	x	Capacity

Weight Targets

If required weight distribution is UNACHIEVABLE, please note allowable variances.

Curb Weight (lbs)	Requested Test Weight (lbs)	Acceptable Test Weight Variance (lbs)		Actual Test Weight
		High (+)	Low (-)	
Front: <u>2255</u>	<u>2250</u>	Front: <u>12.5</u>		Front: _____
Rear: <u>1795</u>	<u>2235</u>	Rear: <u>12.5</u>		Rear: <u>1795</u>
Total: <u>4051</u>	<u>4485</u>	Total: <u>25</u>		Total: _____

Rated Luggage Load: 200 lbs X 55% option weight Max option weight

Target test weight is 4485lbs including casters.

Max acceptable weight is 4770lbs (max test weight) including casters.

CONTACT REQUESTOR IF TARGET WEIGHT CANNOT BE ACHIEVED.

Simulate/Verify at Weigh-Up

Dummy Weight

On Board Camera Count

Weight Addition (Restrictions)

Do NOT place any weight in the following locations:

<u> </u> Air Cleaner	<u> </u> Engine	<u>X</u> Doors
<u> </u> Battery	<u> </u> Fan Box/Shroud	<u>X</u> Foot Wells - Front
<u> </u> Bottle - Coolant	<u> </u> Headlamp Opnigs	<u>X</u> Foot Wells - Rear
<u> </u> Bottle - Washer	<u> </u> Radiator	<u>X</u> Quarter Panels
<u> </u> Other: _____		<u> </u> Trunk Floor

Ride Heights

Measure @ Test Weight

Front: 718Rear: 707

Measure

Front: Wheel lip

To: Ground

Additional Remarks

Approved/Signature: Mary Wroten, 33-71789
 Printed: 8/26/2000 Phillip Saylor
 Drafting Dept, Dayton

Request #: TC0475
 Final Prep Worksheet
 Page 5 of 10

Auto 10
 Van 1000 - Issues 10, 11, 12
 Authors: ClearWing/Platinum/Colt

CRTS 0011798

	<u>F</u>	<u>R</u>	<u>T</u>
	2360	2235	4595
	-194	-194	-
Without Castles	<u>2166</u>	<u>2041</u>	

1) 2194 1978

2) 2182 2043

3) 2175 2045 4220 without castles
(+9) (+4)

<u>194</u>	<u>194</u>	<u>388</u>	<u>castles</u>
------------	------------	------------	----------------

Total 2369 2239 ~~4595~~
(+9) (+4) 4608 (+13)

Dimensional Analysis Request Primary Vehicle

TAM TQ478

Is Impacts

PRE	POST			
X		404	Control Points (CAP)	Exterior
		405	Control Points (TRUCK)	Exterior
		408	Body Targets & Orientation Points (Wheel Lugs)	Exterior
		411	A.B.C. Pillars	Interior
		417	Pre-Crash Lateral Seat CL's, H-Pos, etc	Exterior/Interior
		418	NHTSA Barrier Face Profiles (Mid-Bumper, Mid-Stack, Top of Barrier)	Exterior
		419	European Barrier Face Profiles (Mid-Bumper, Mid-Stack, Top of Barrier)	Exterior
X	X	421	Roof line exterior section	Exterior
X	X	423	Belts exterior section (1st 50mm Body line below glass/weather strip)	Exterior
X	X	425	Mid-line exterior section (plan view @ 800 mm Body line)	Exterior
X	X	427	Character line exterior section (plan view @ 600 mm Body line)	Exterior
X	X	429	Bottom of door exterior section	Exterior
X	X	431	Hooker line exterior section (1st 10 mm Body line below door opening)	Exterior
X	X	433	Roof line interior section	Interior
X	X	435	Belts interior section	Interior
X	X	437	Hip line interior section	Interior
X	X	439	Hinge Pillar exterior section (1st 50mm Body line forward of Hinge plate)	Exterior
X	X	439	2500 mm Body line interior and exterior sections	Exterior/Interior
X	X	440	Front H-Point Mid-Seat Location interior and exterior sections (per package)	Exterior/Interior
X	X	441	B-Pillar interior and exterior sections (1st 50mm Body line rearward of Hinge plate)	Exterior/Interior
X	X	442	Rear H-Point Location interior and exterior sections (per package)	Exterior/Interior
	X		Pole location of center of dummy head CG Impact	Exterior
X			Exact x, y, z coordinates of accelerometer locations	Exterior/Interior

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