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464724

CATALOGED BY: DDC
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FDL-TDR-64-140
VOLUME IV

WING BOX FUEL CONTAINMENT

VOLUME IV, BOOK C
TEST RESULTS AND EVALUATION

TECHNICAL DOCUMENTARY REPORT NO. FDL-TDR-64-140, VOL. IV

NOVEMBER 1964

Supersonic Transport Research Program
Sponsored by the
Federal Aviation Agency

Jointly Directed by: RTD, FAA and NASA

Air Force Flight Dynamics Laboratory
Research and Technology Division
Air Force Systems Command
Wright-Patterson Air Force Base, Ohio

DDC
RELEASED
JUN 21 1965
DDC-IRA E

PROJECT NO. 648D

Prepared under Contract No. AF33(657)-11460 by the
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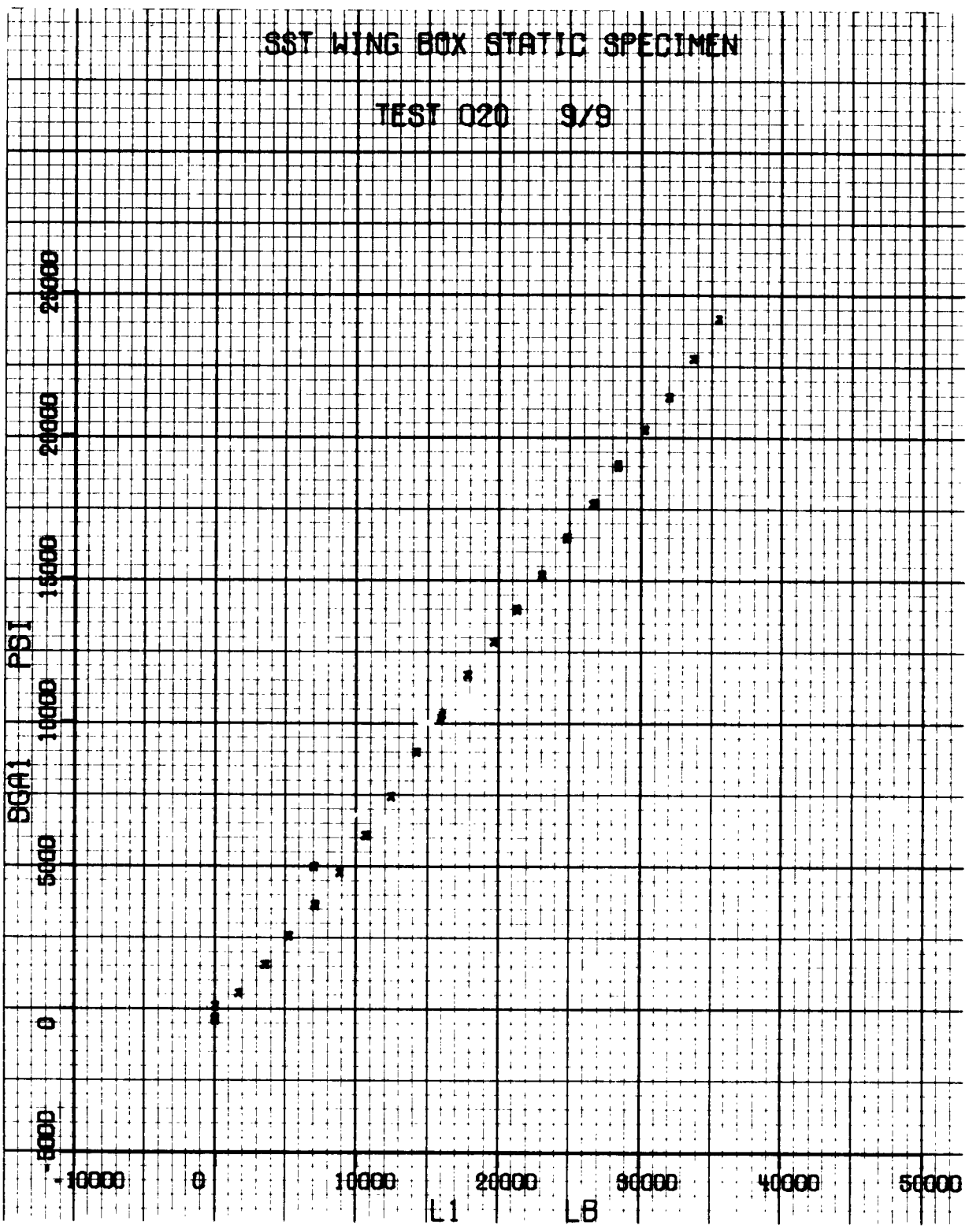
TEST No. 20

Jack Location	W.S. 189 ; F.S. 60
Jack Load, lb	0 - 35,300
Percent of Limit	0 - 100
Fuel Condition	Tanks EMPTY
Tank Pressure, psi	0
Maximum Surface Temperature, °F	ROOM TEMPERATURE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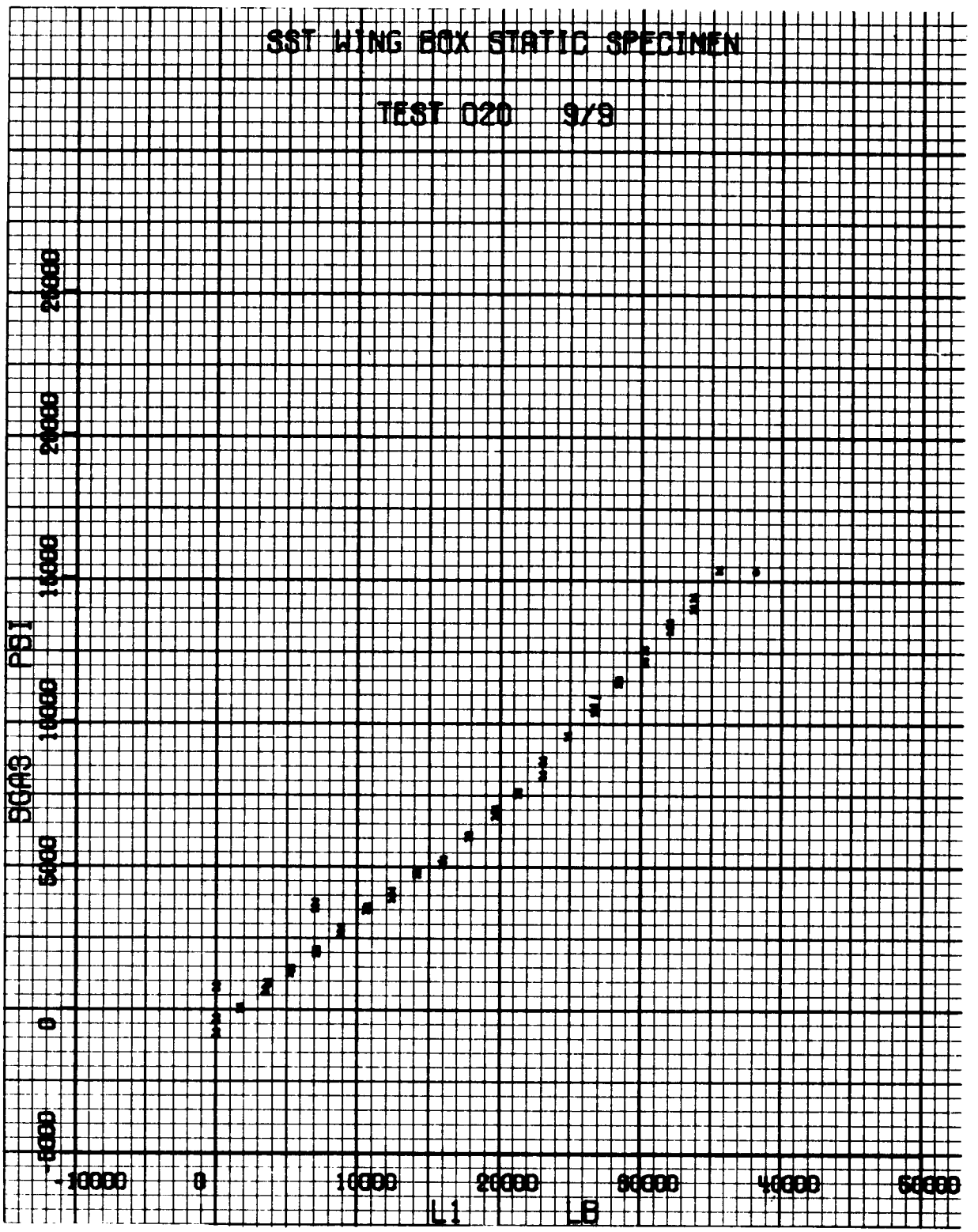
50000
L1
L8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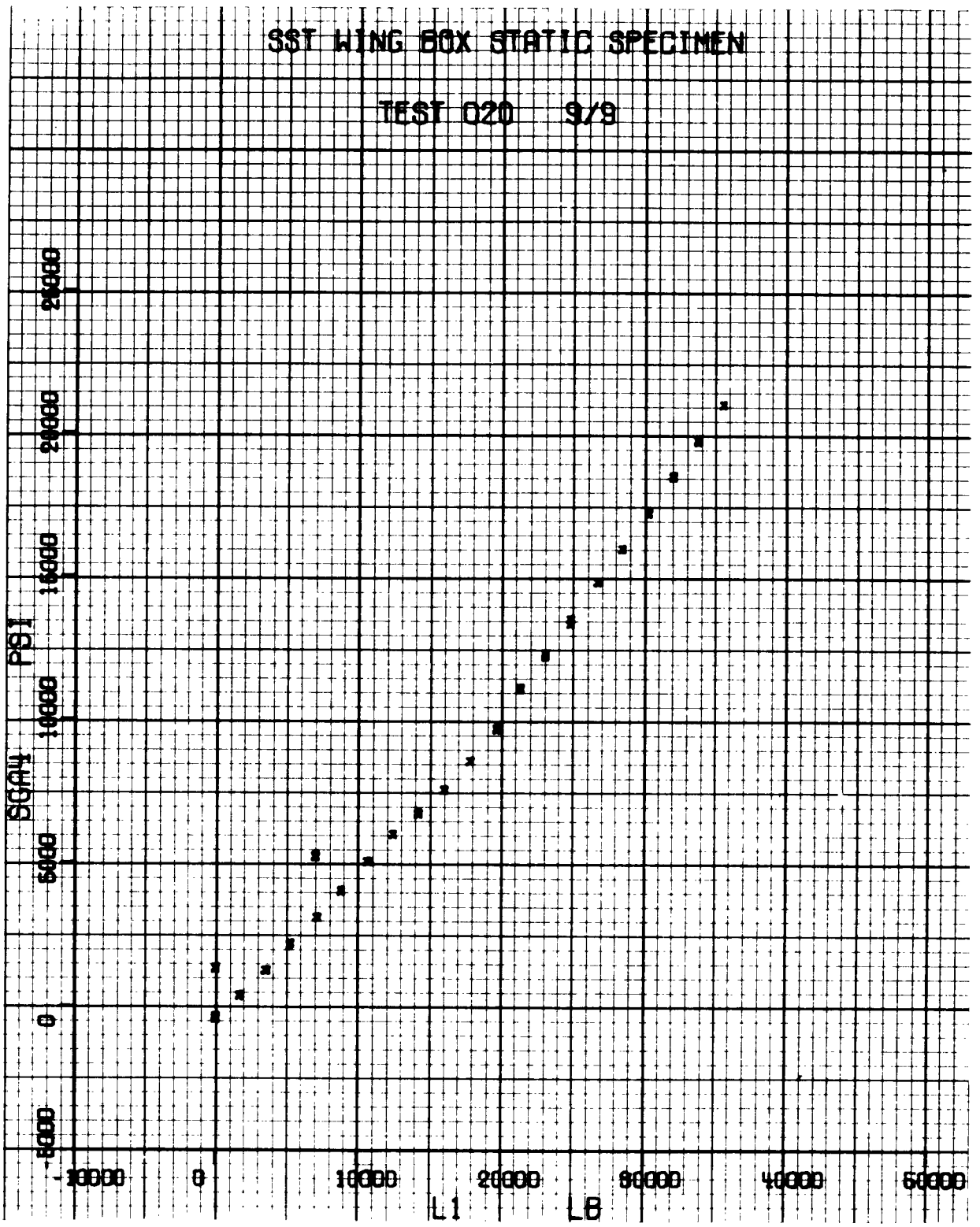
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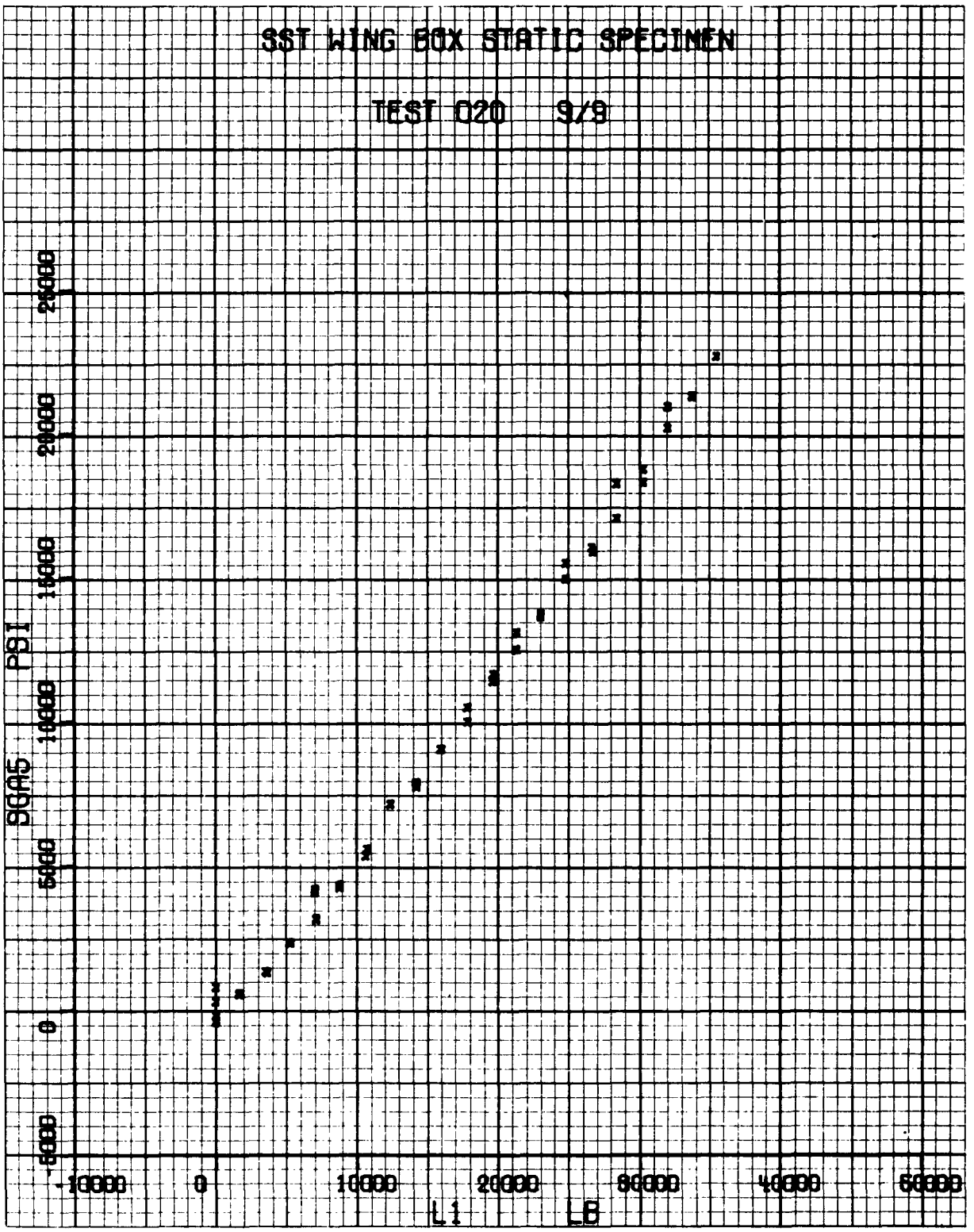
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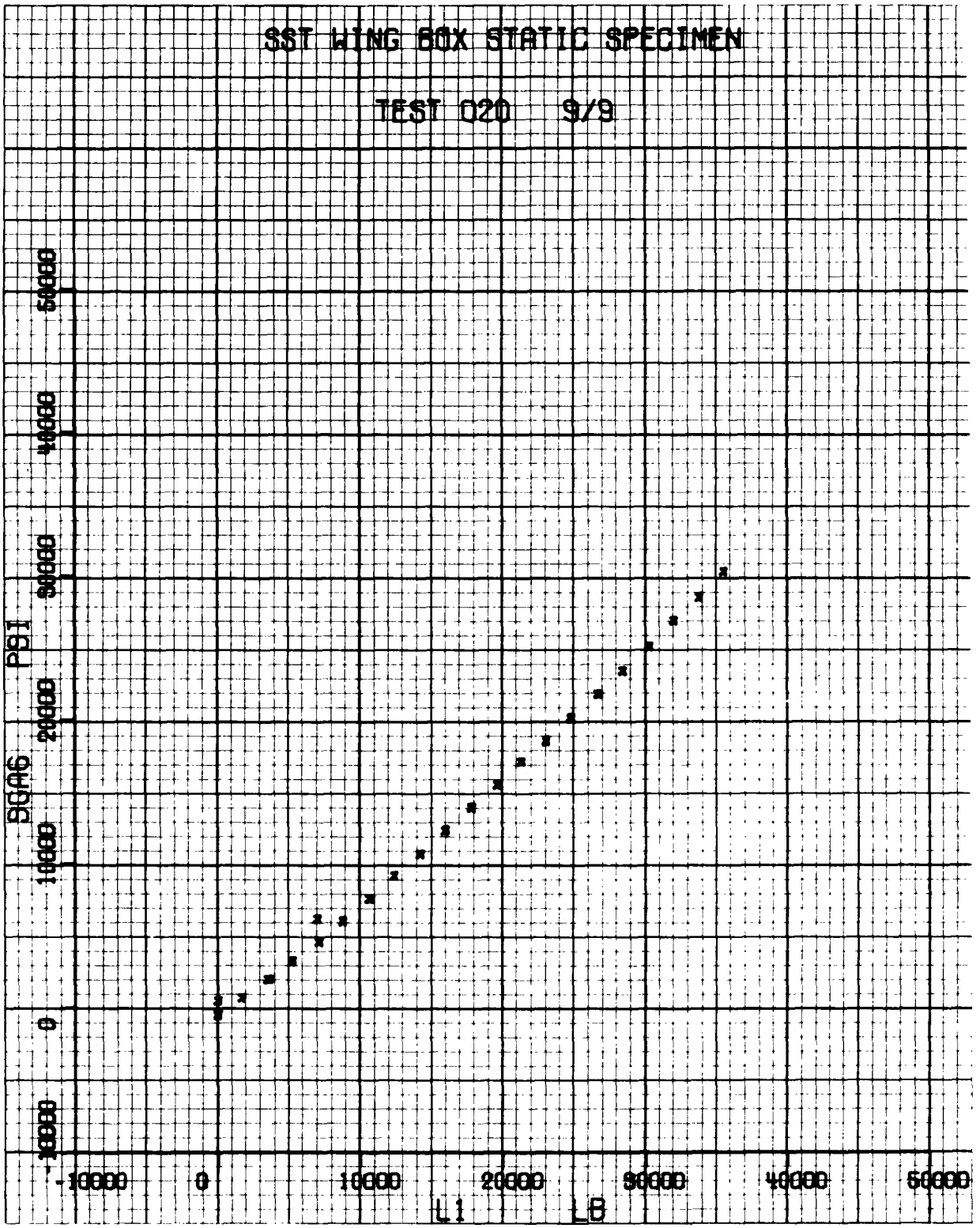
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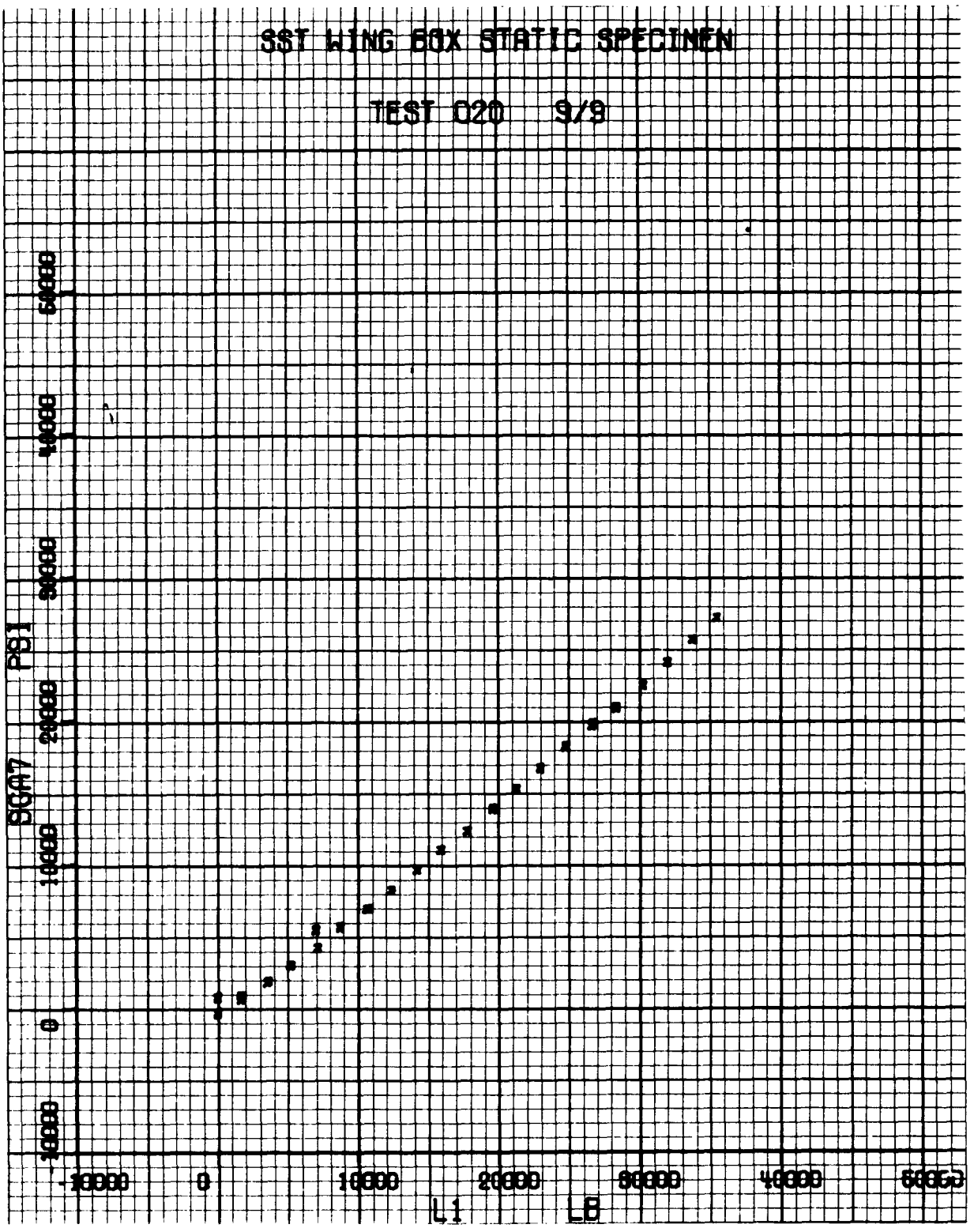
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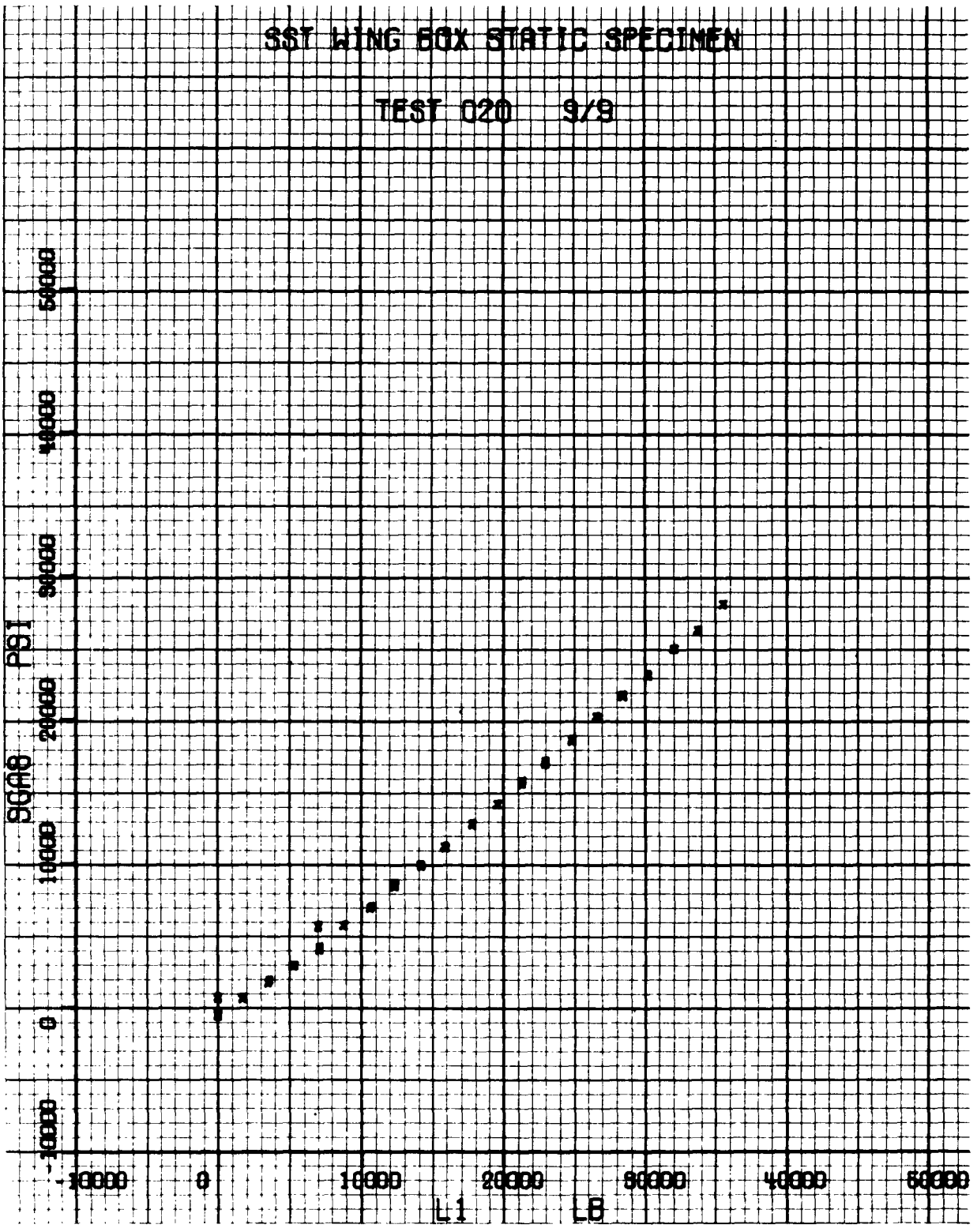
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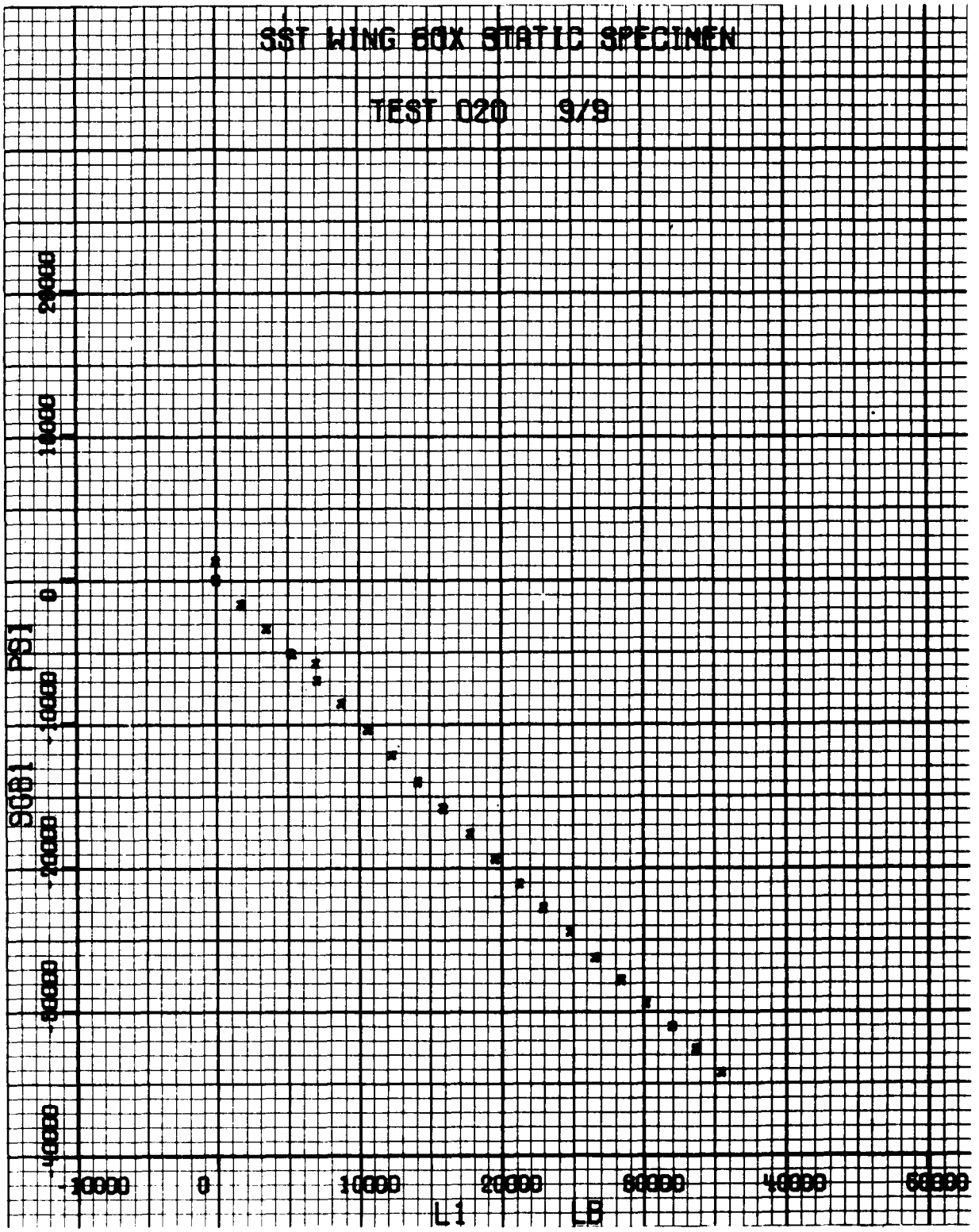
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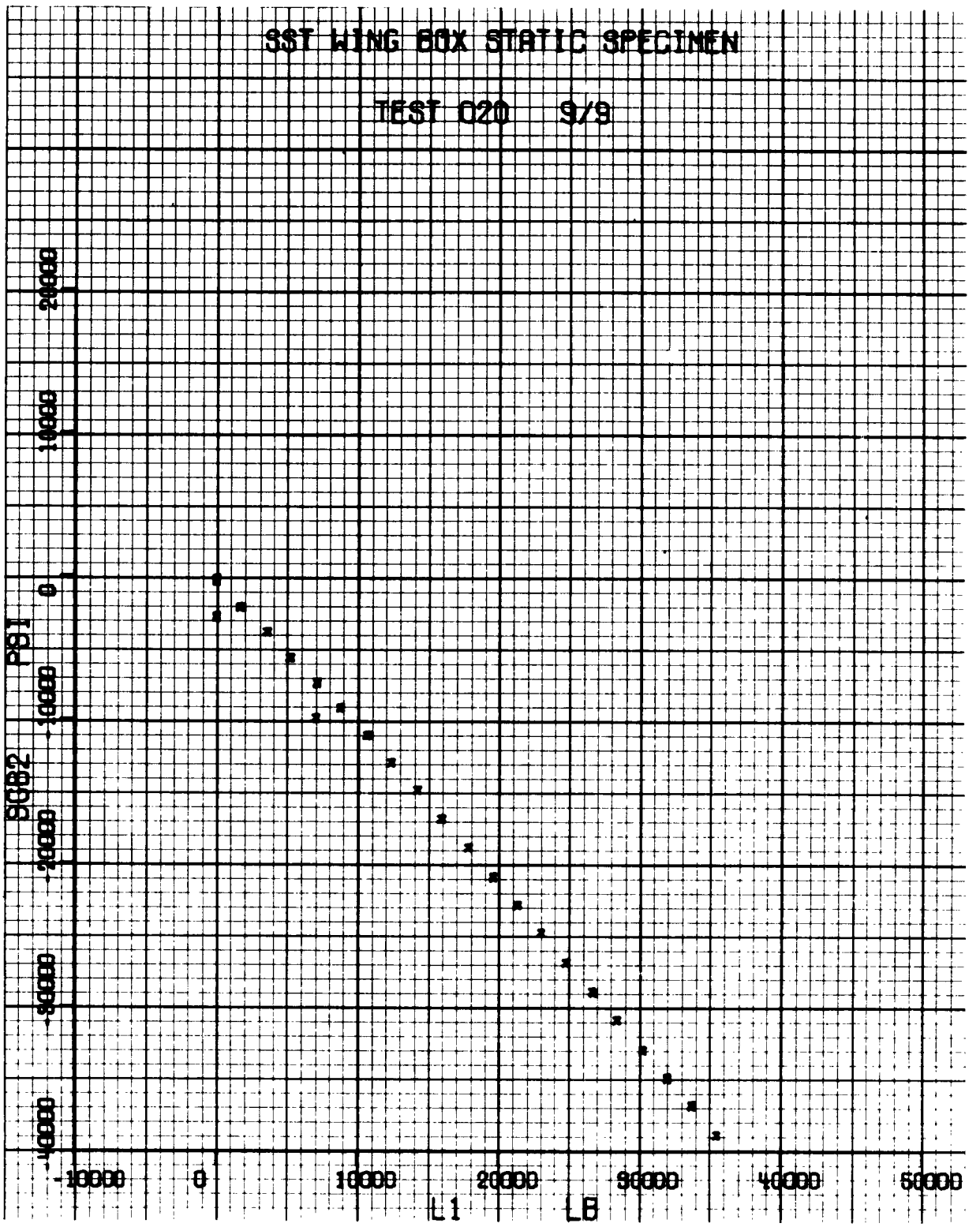
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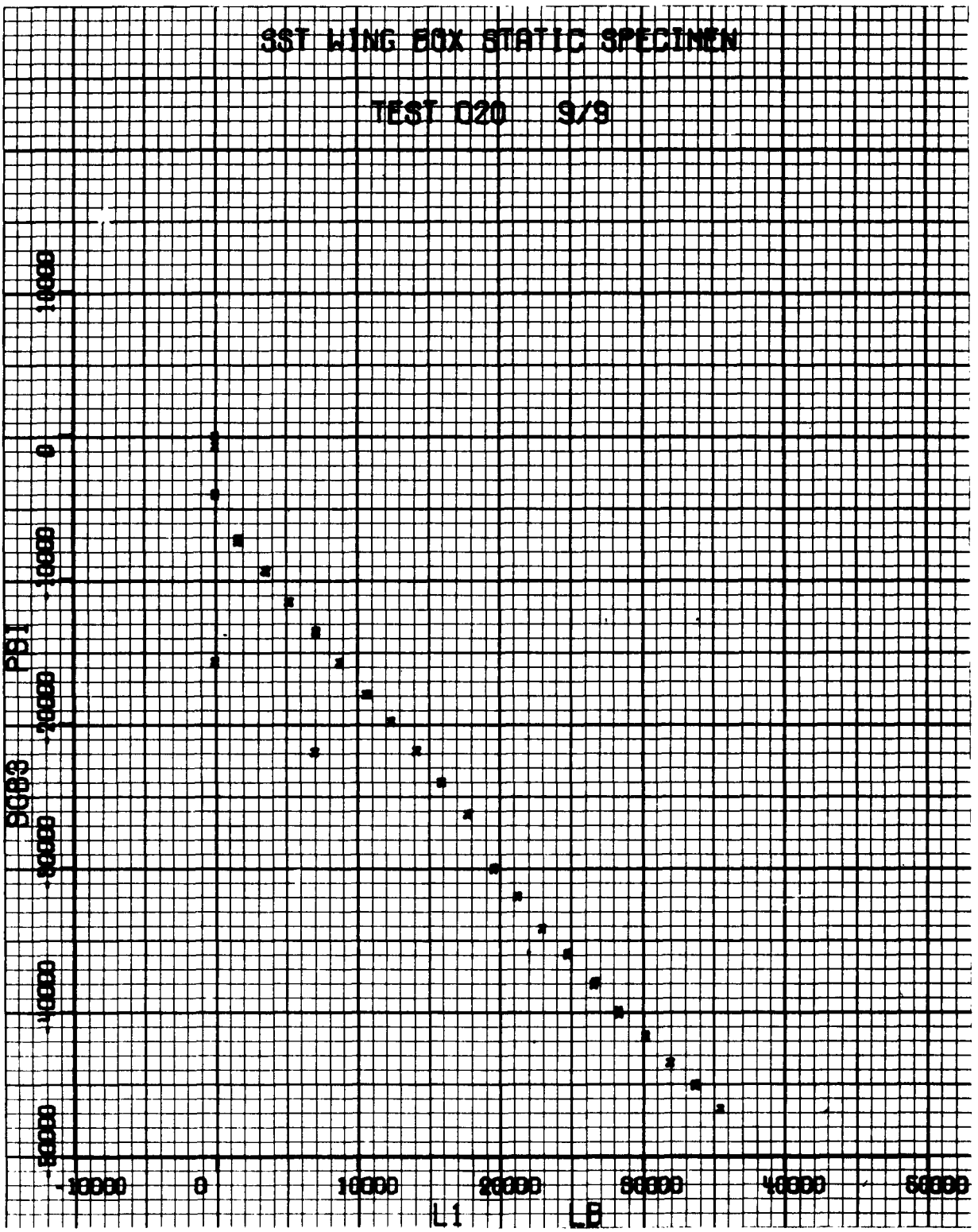
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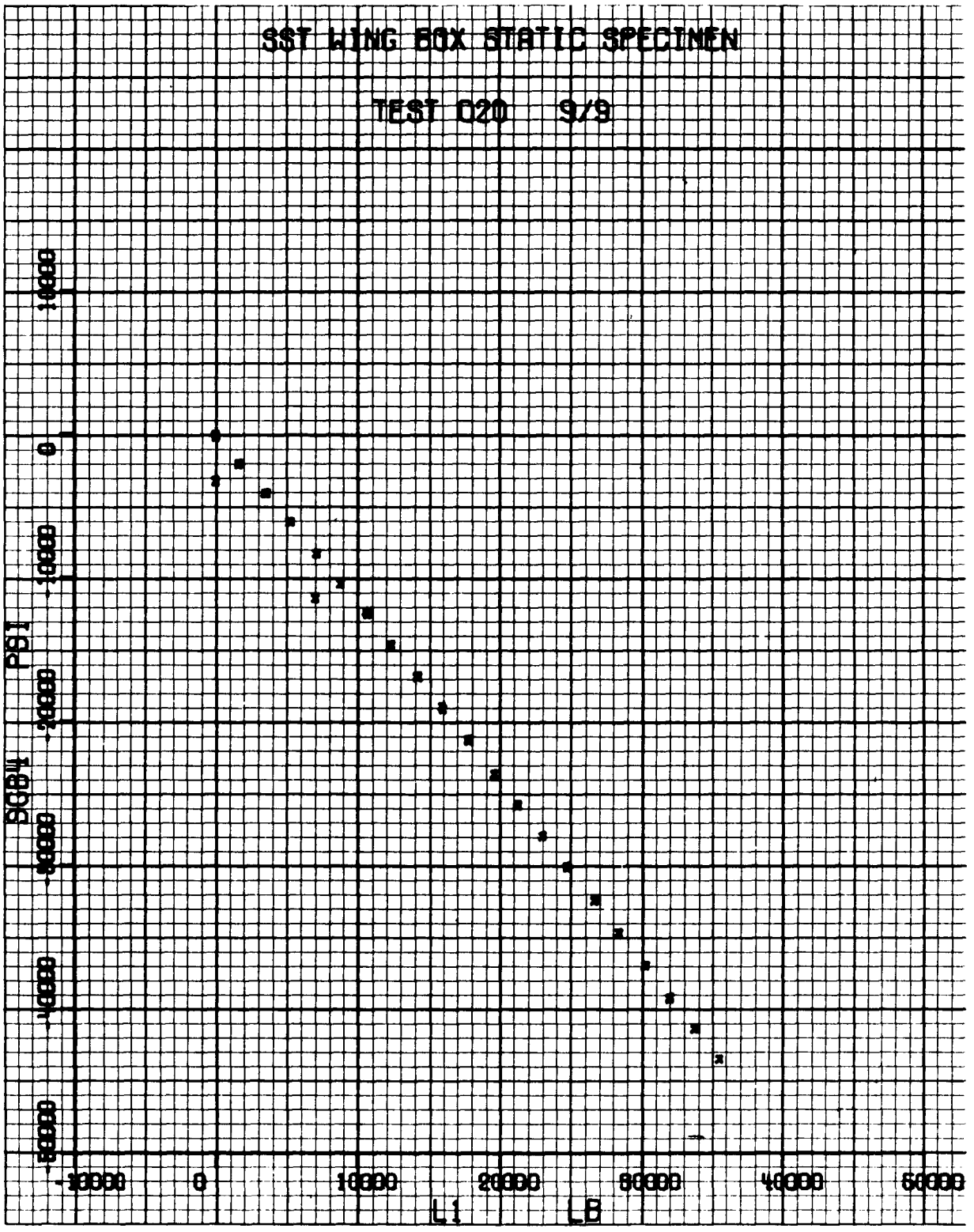
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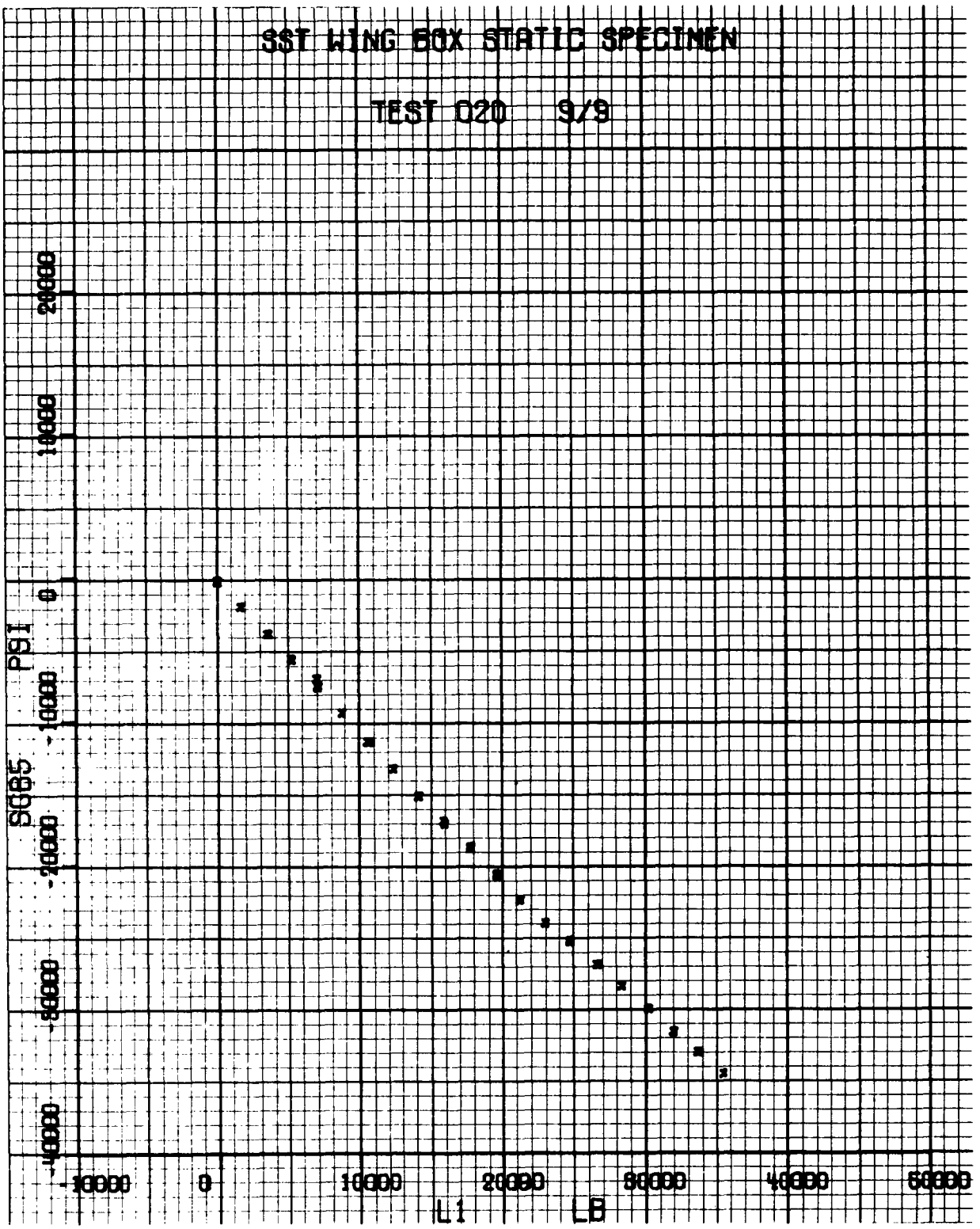
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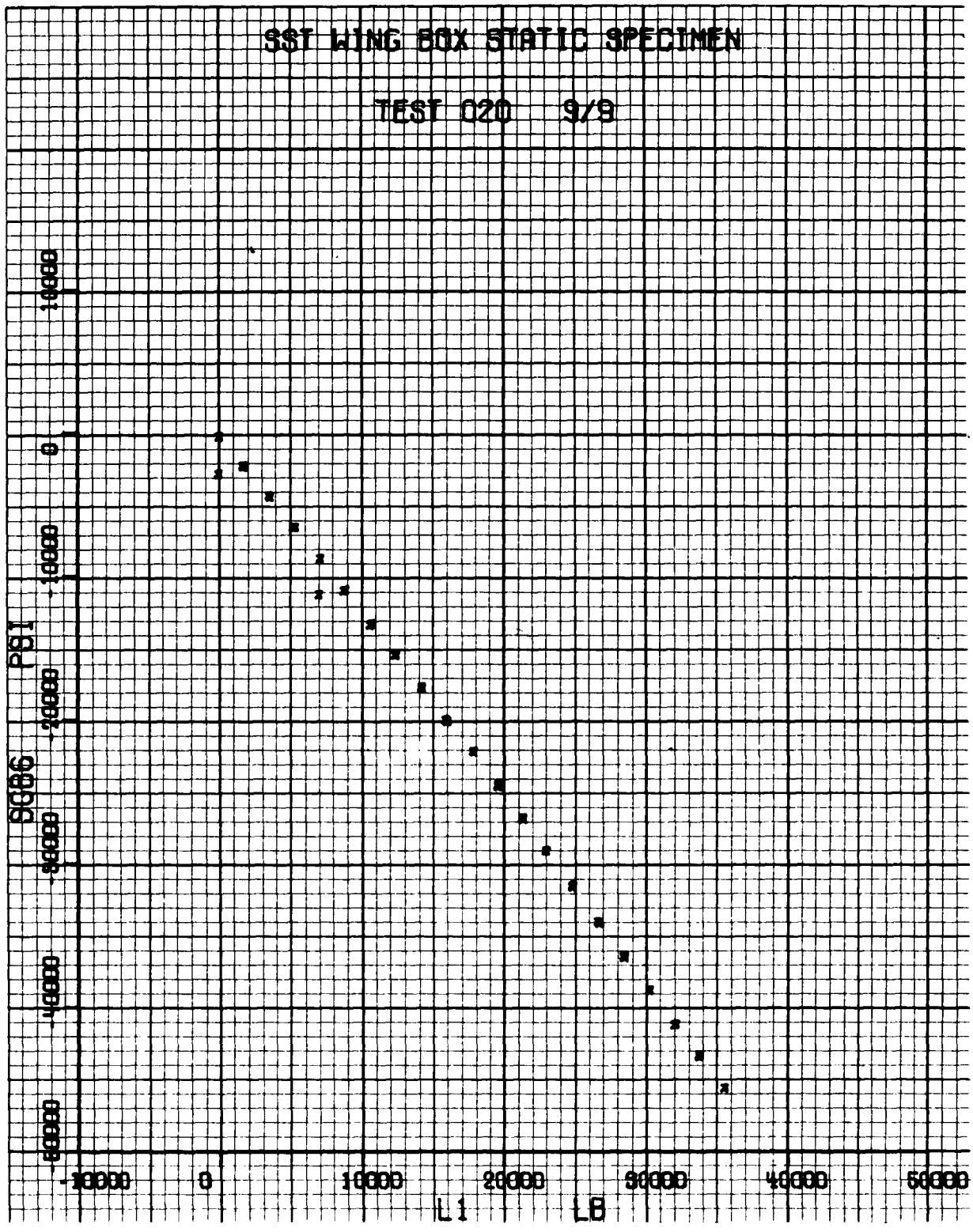
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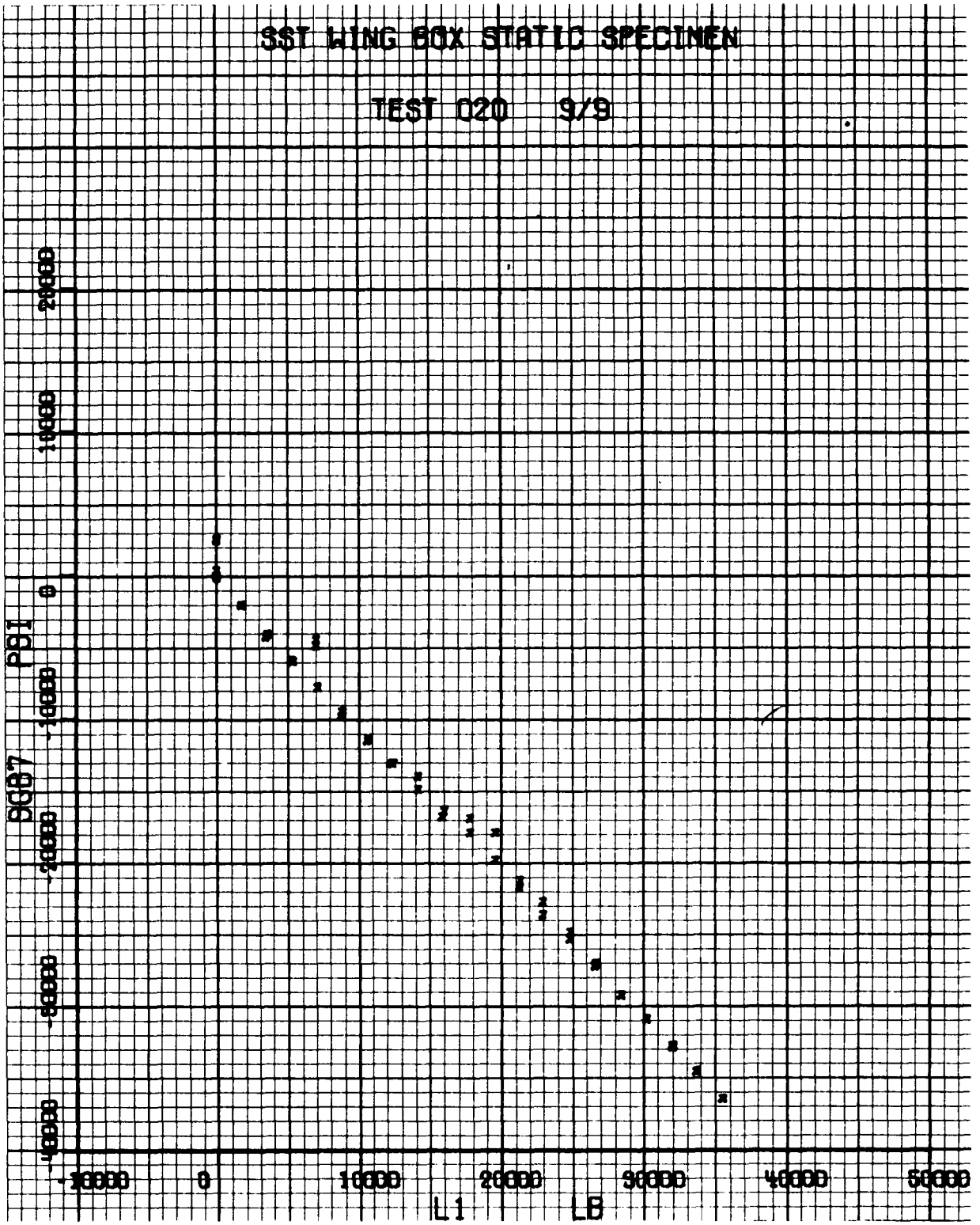
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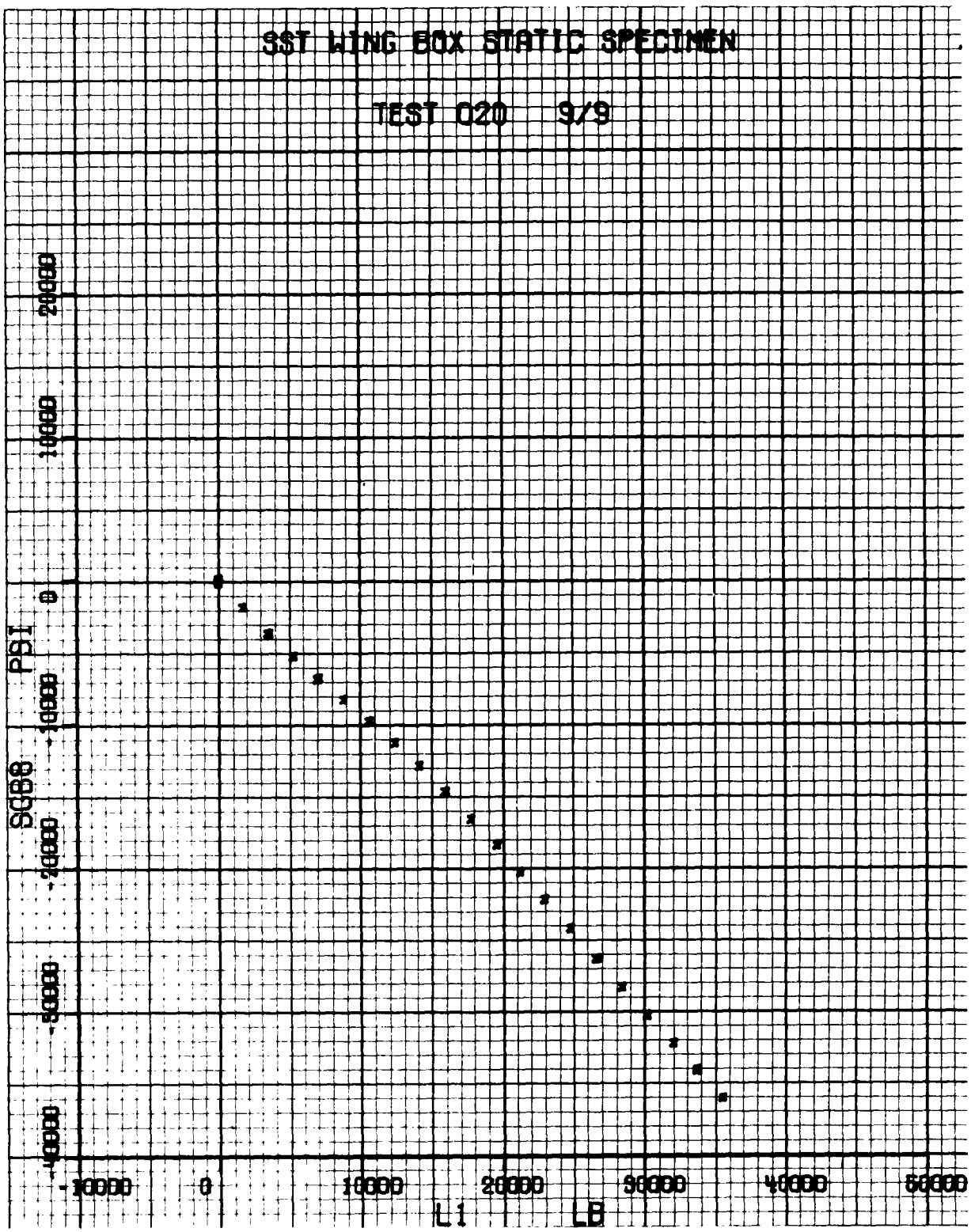
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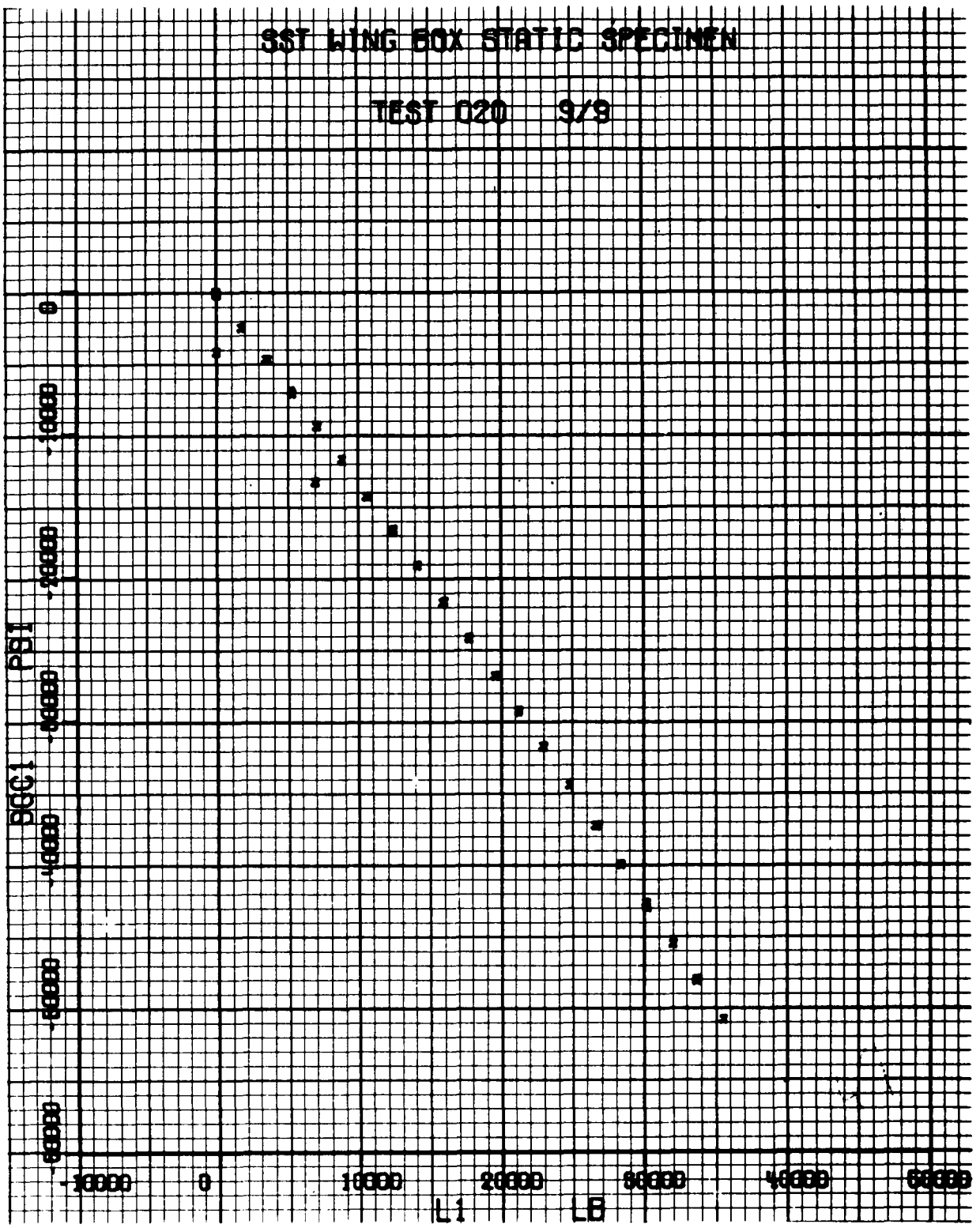
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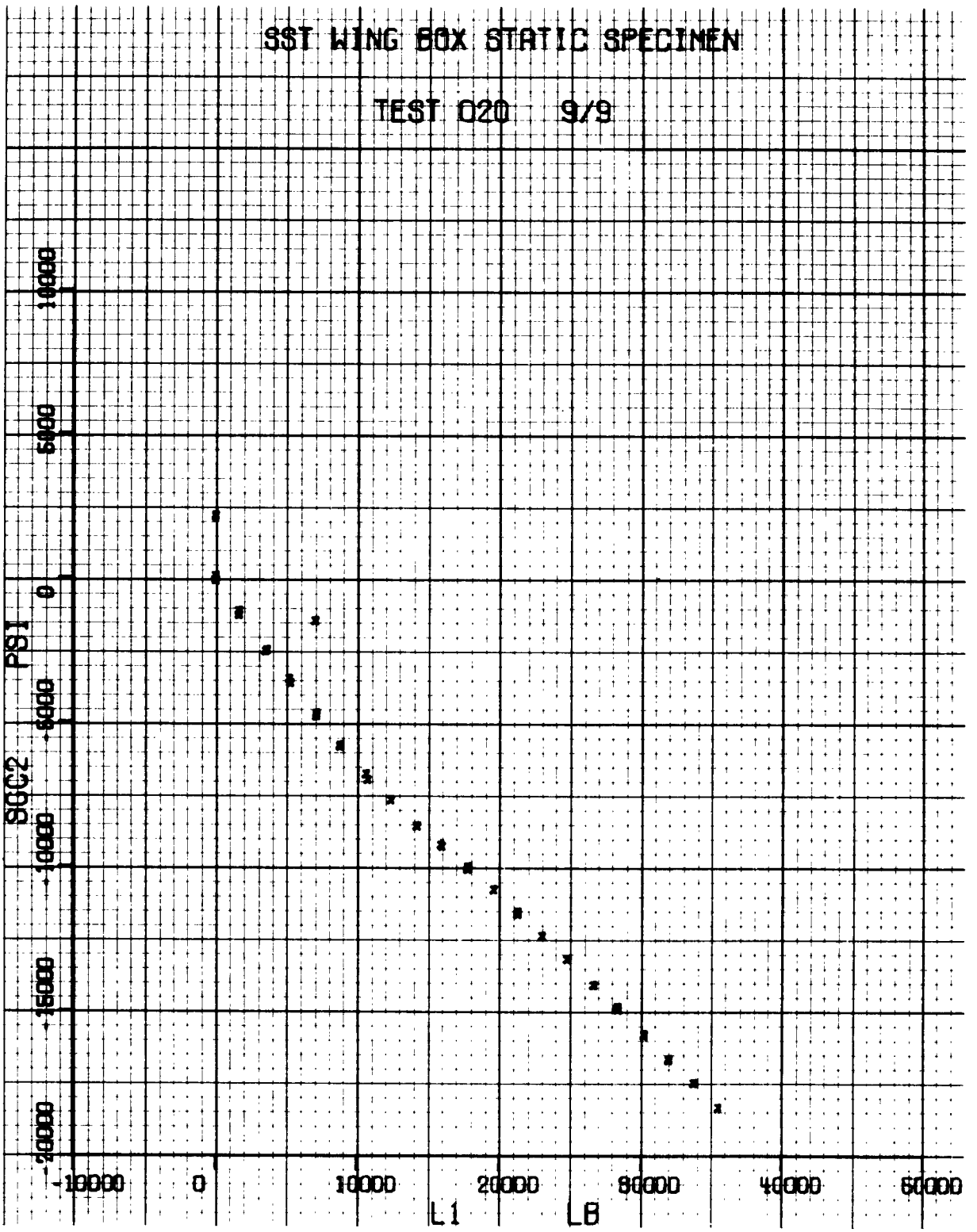
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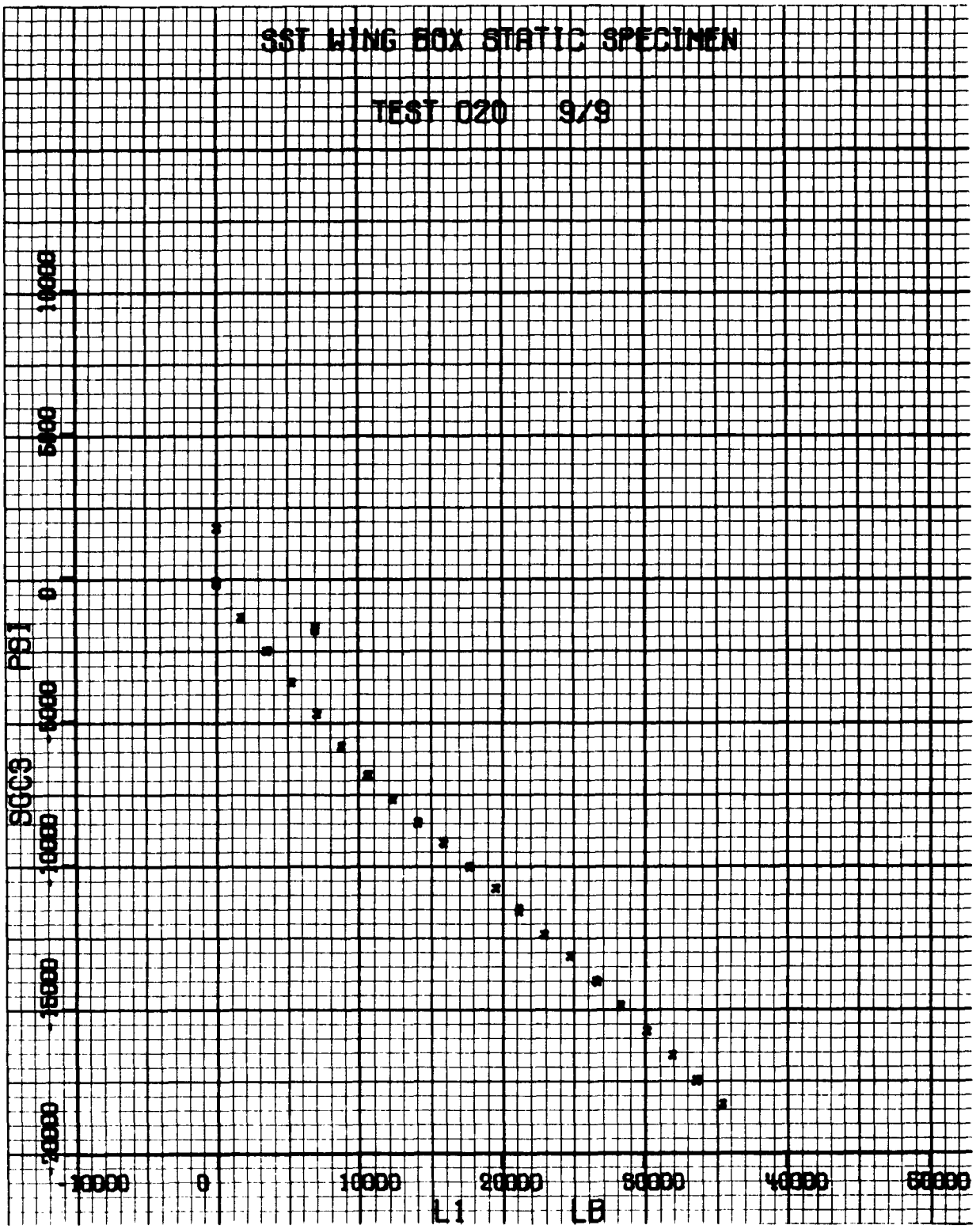
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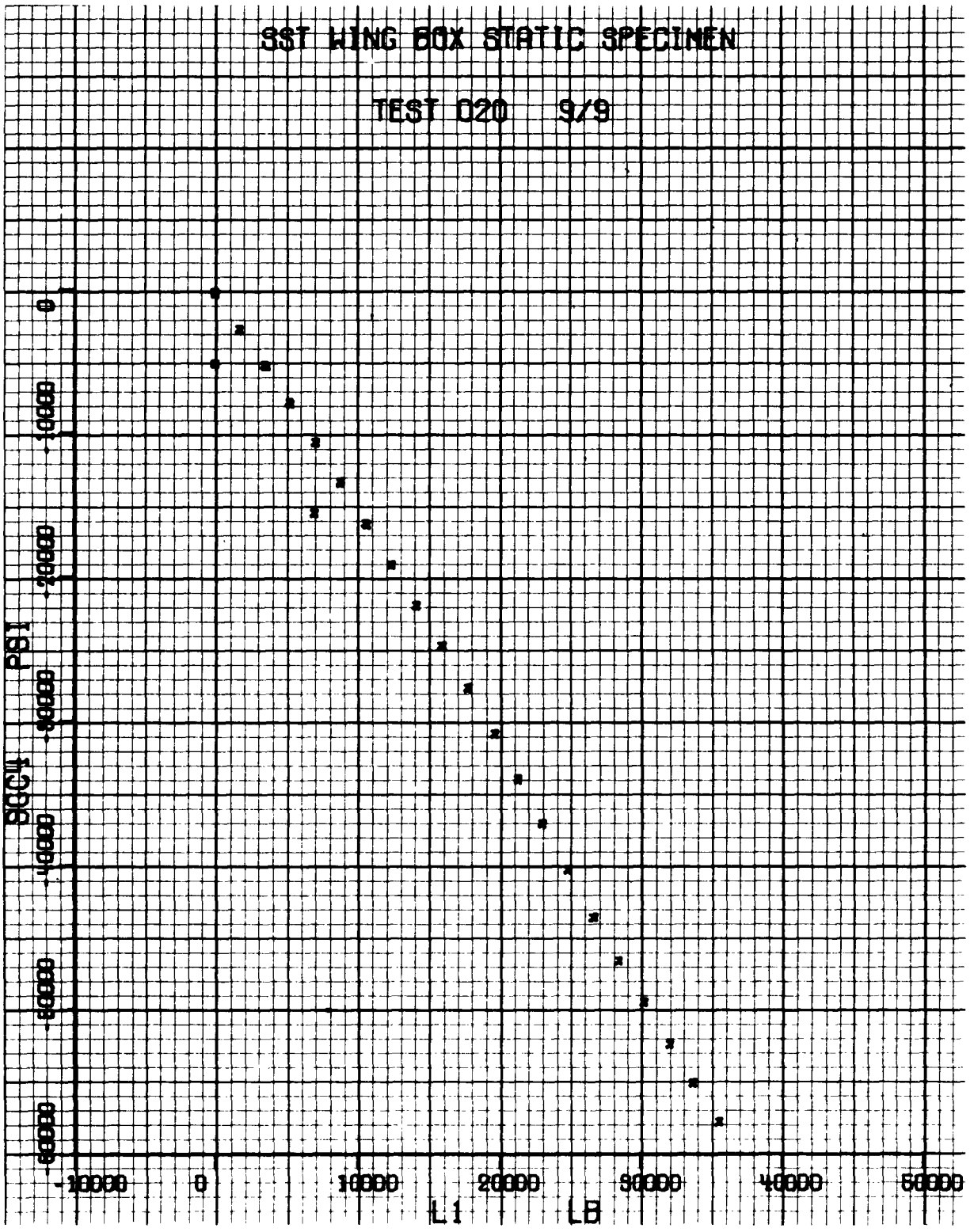
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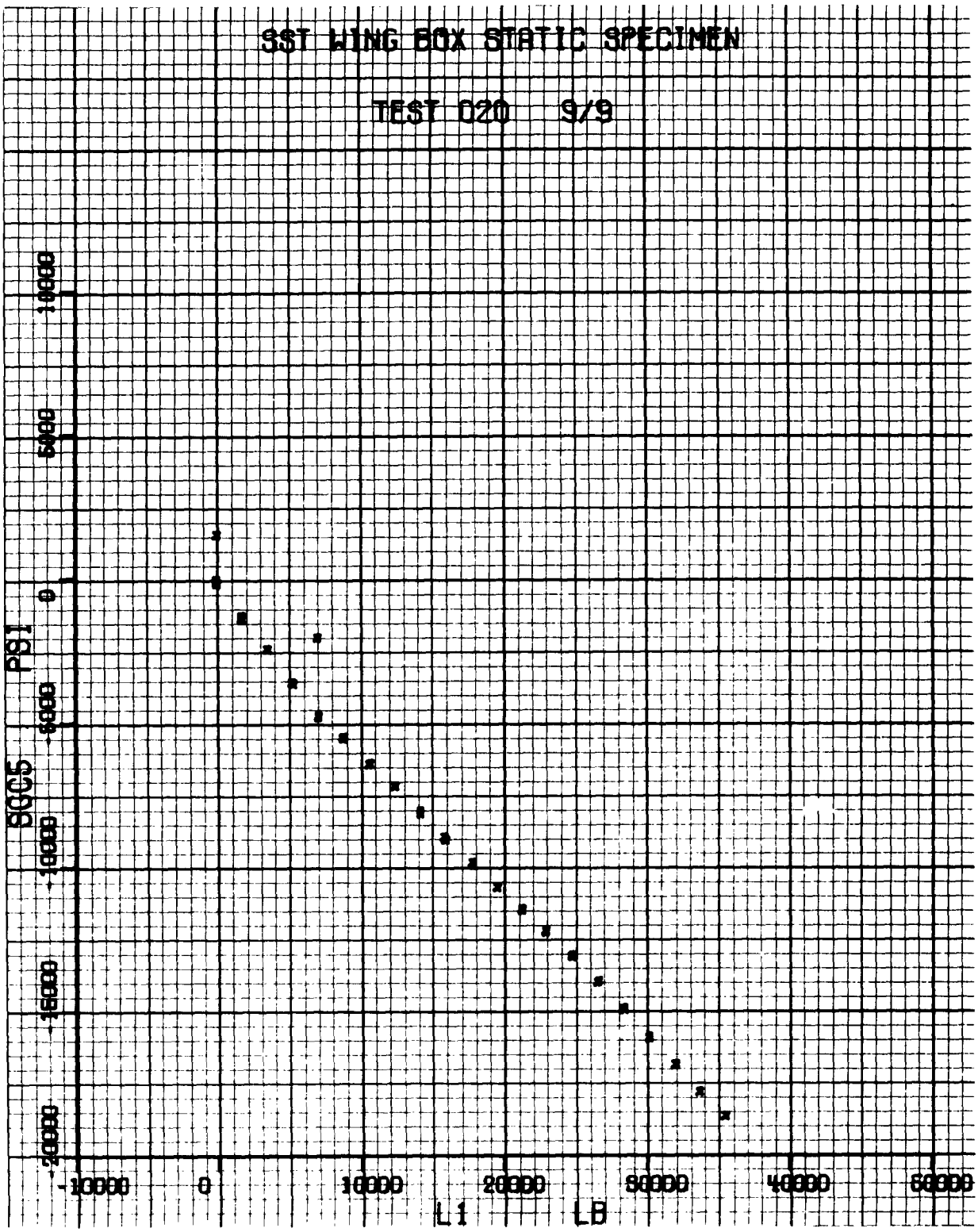
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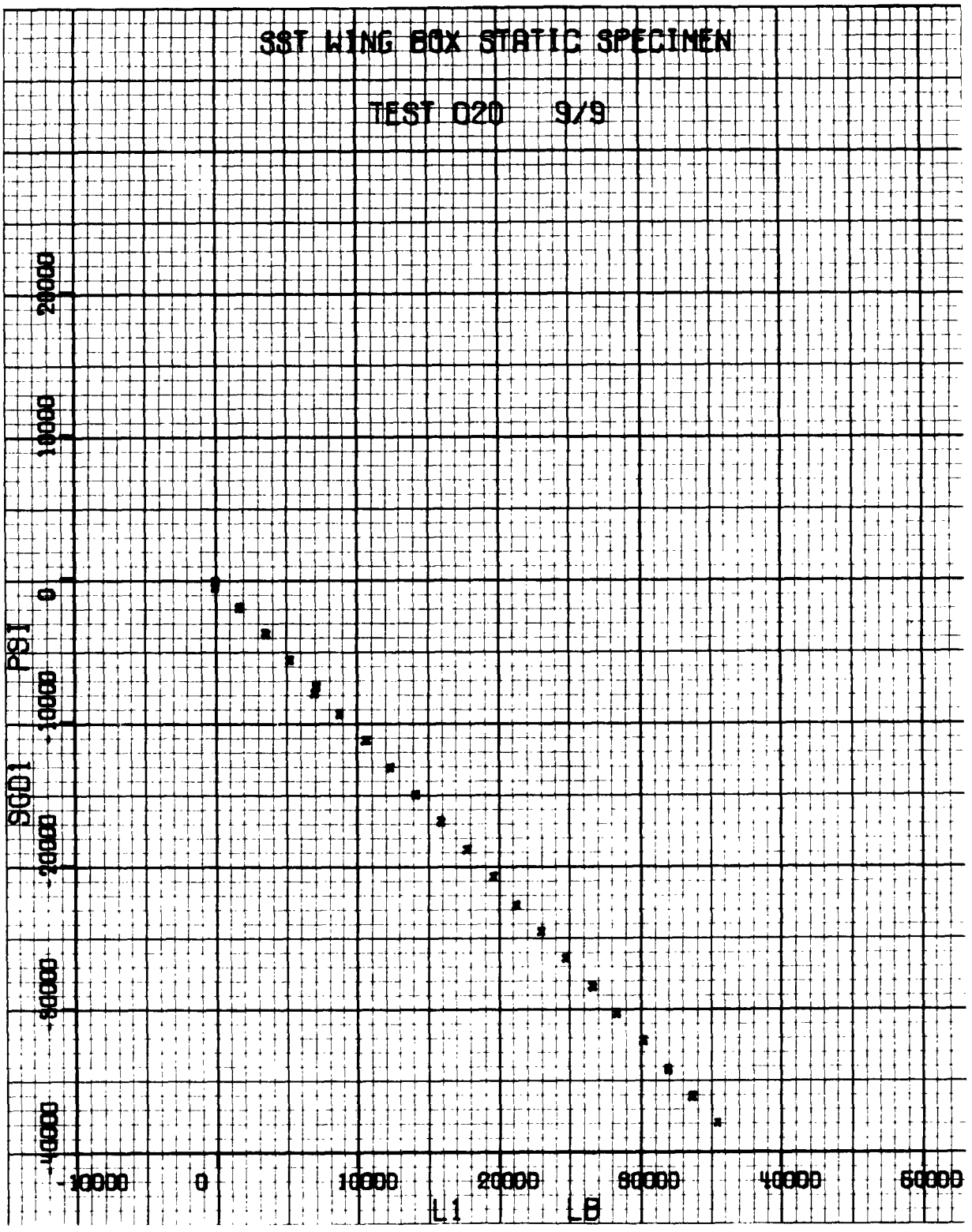
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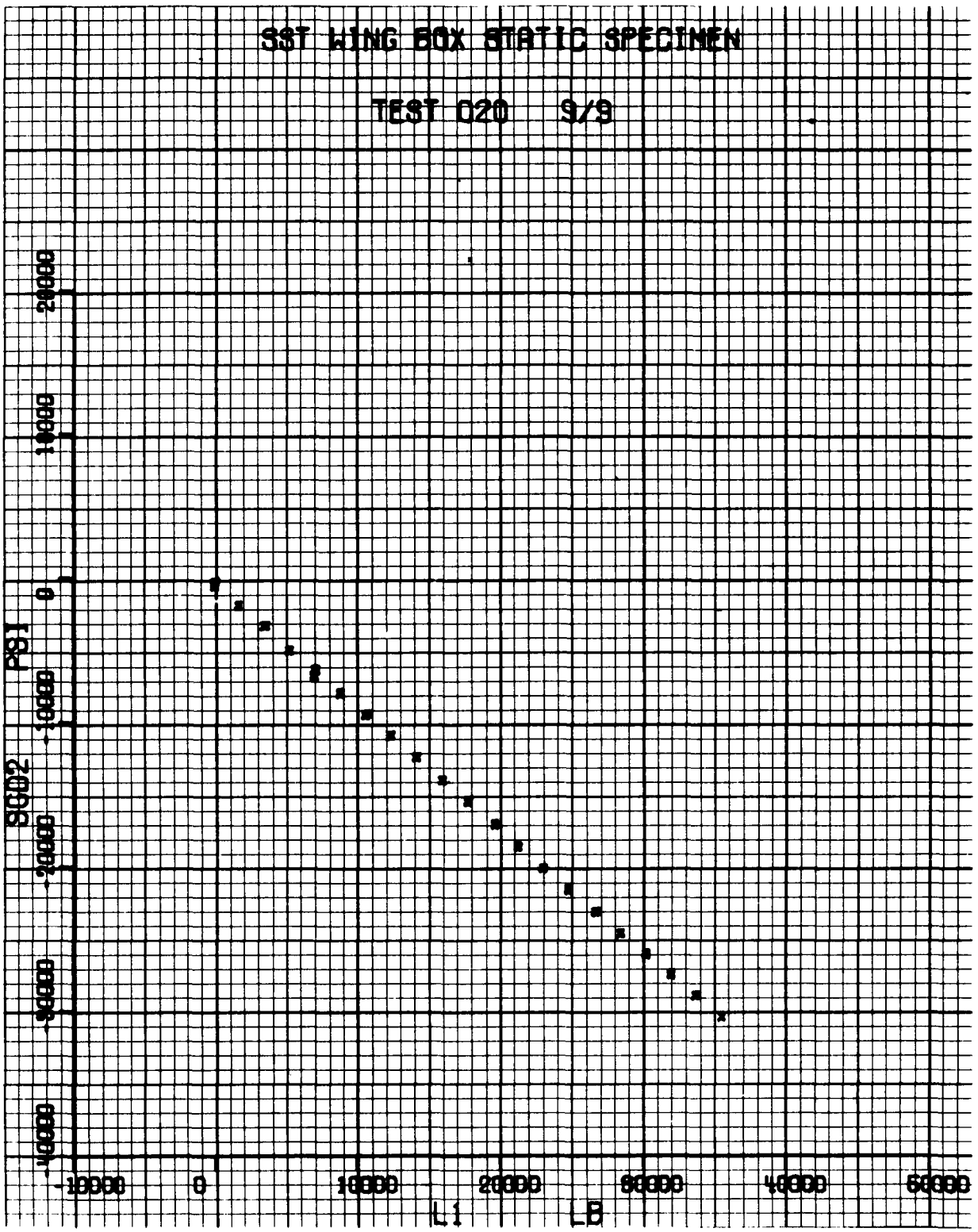
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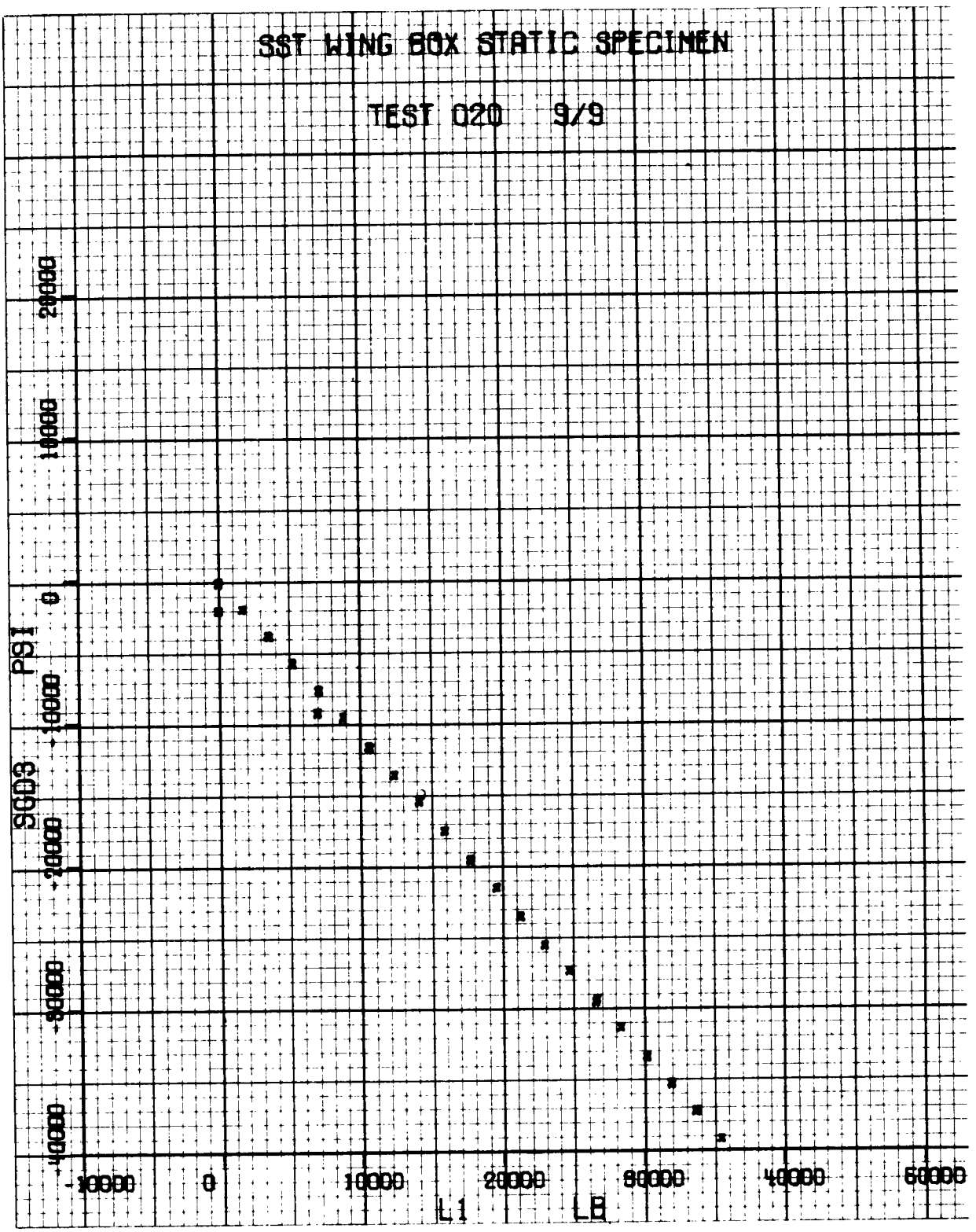
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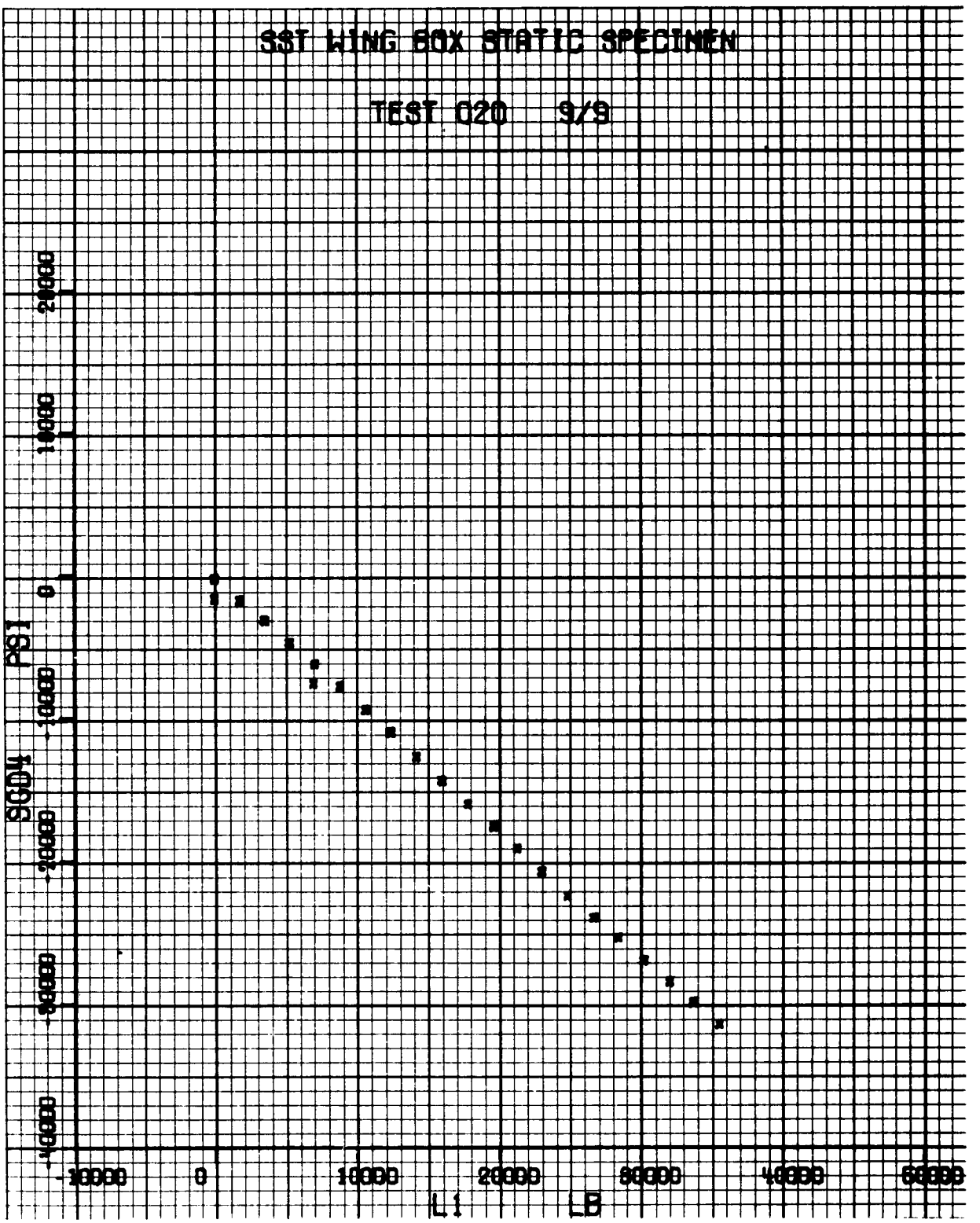
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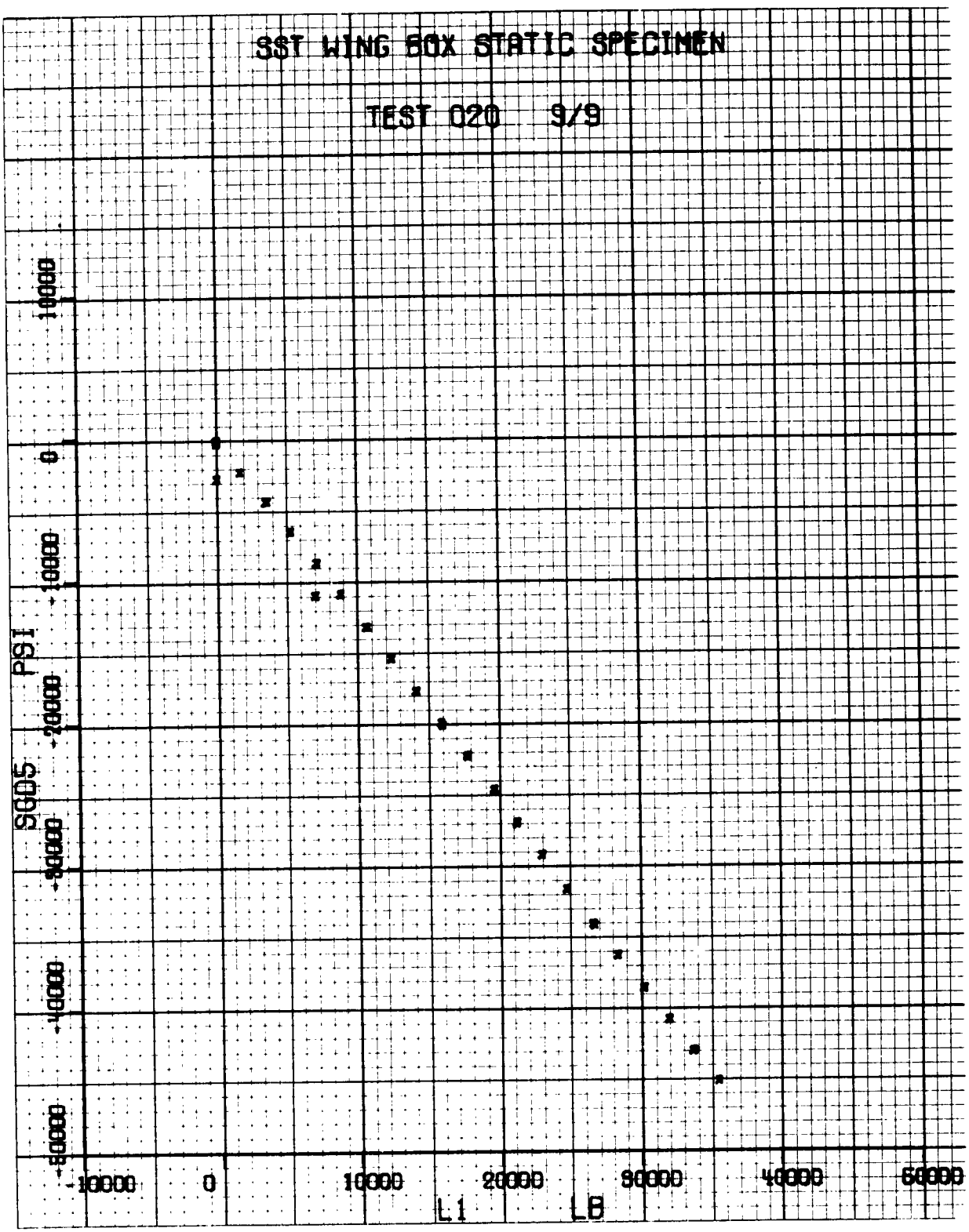
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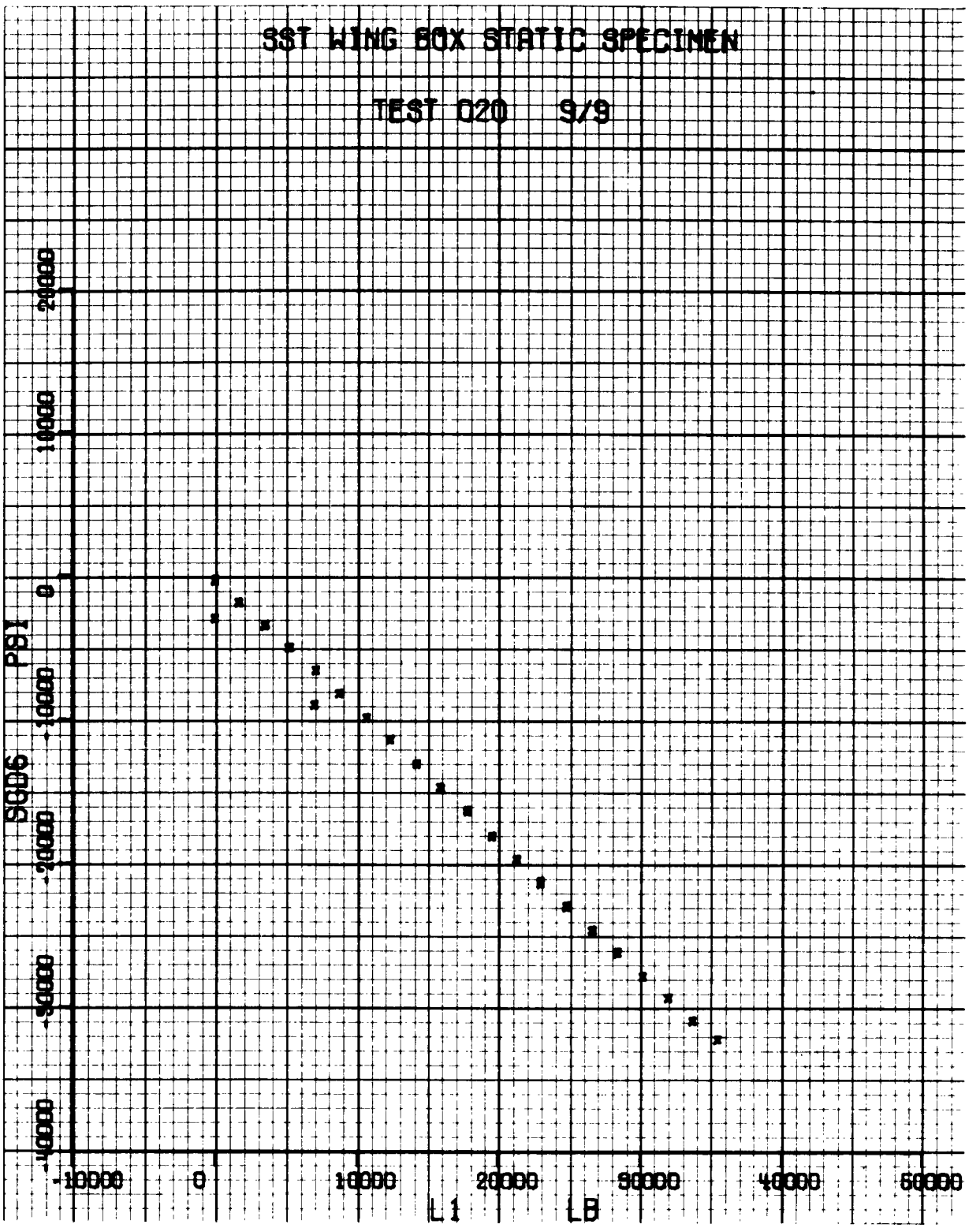
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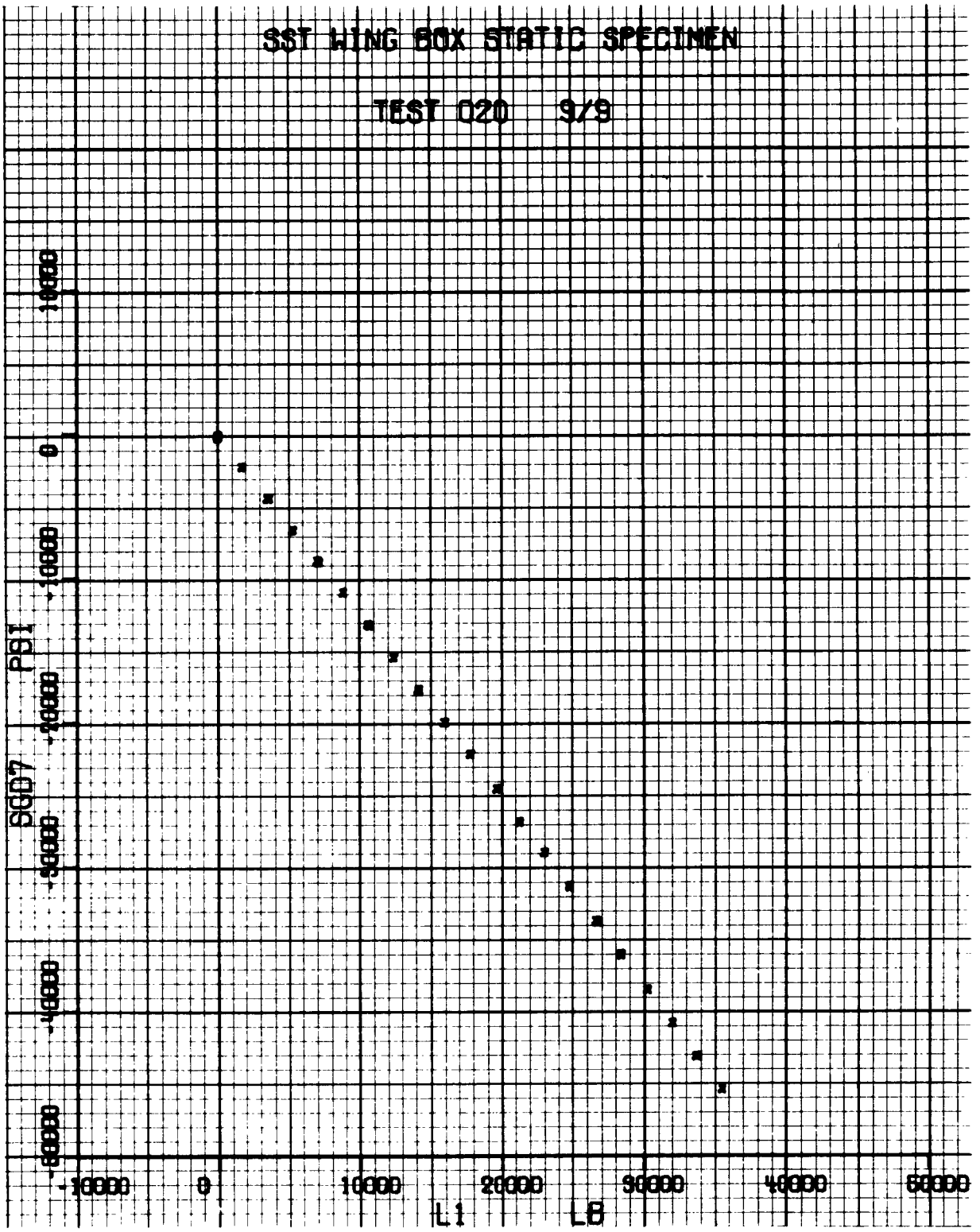
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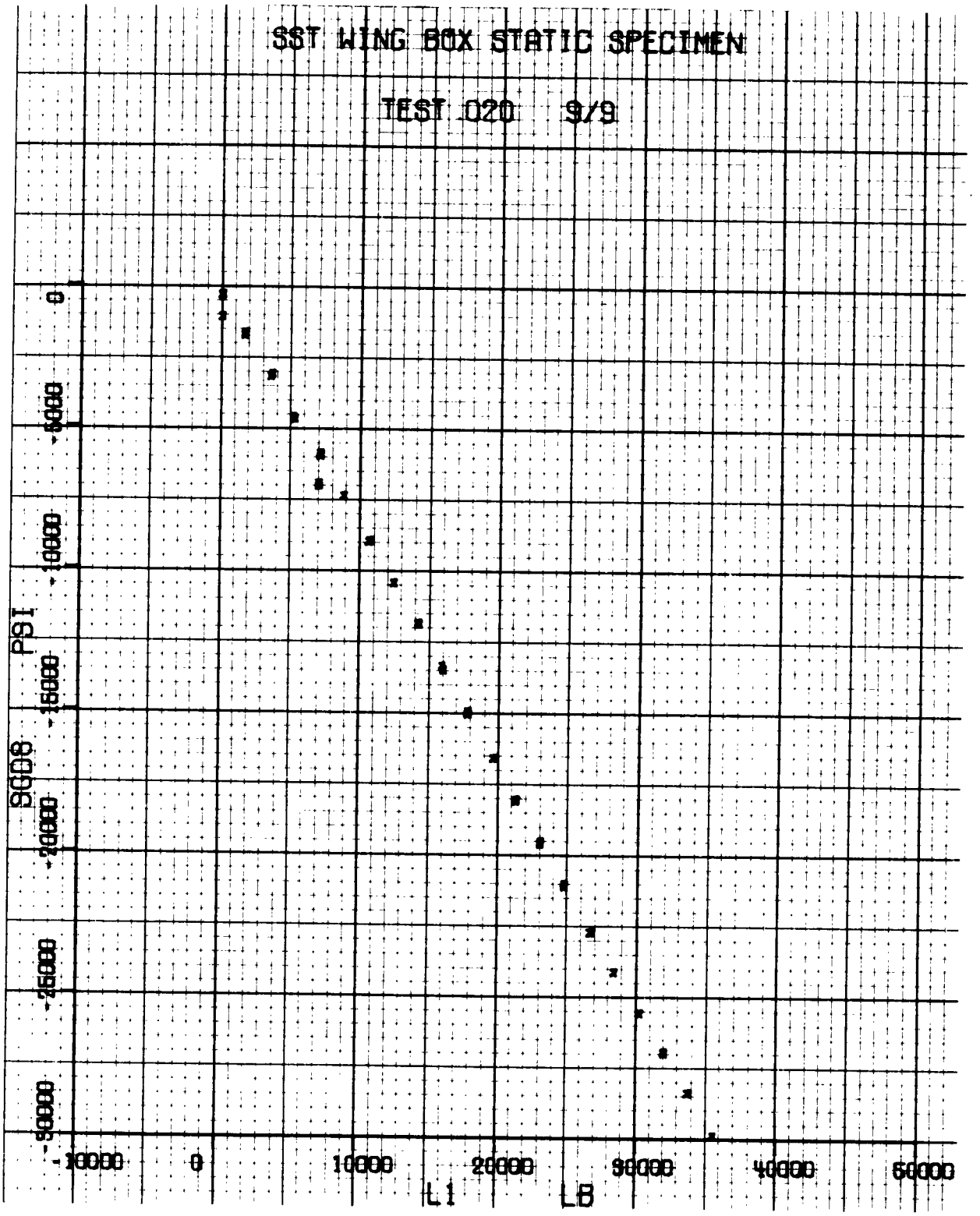
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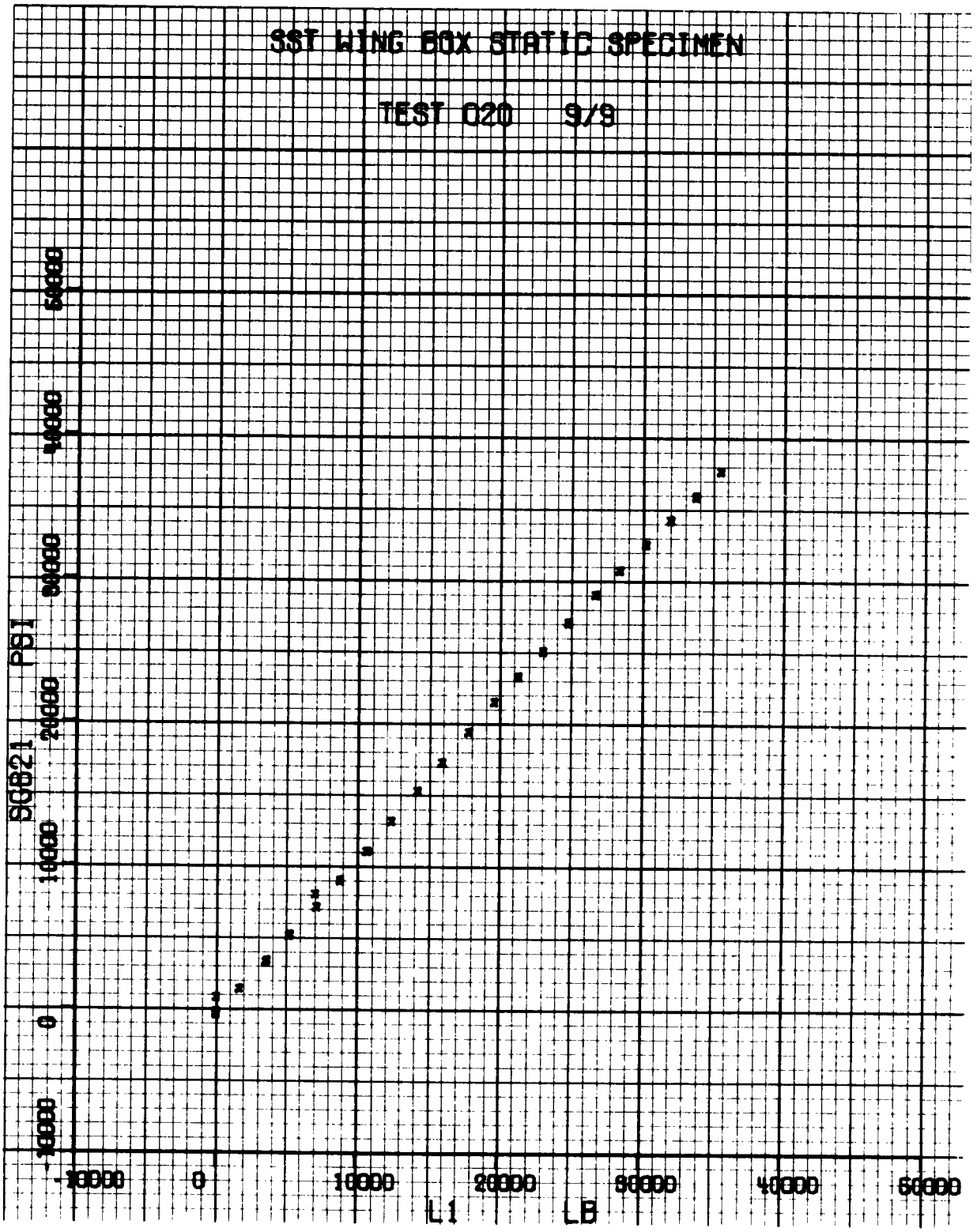
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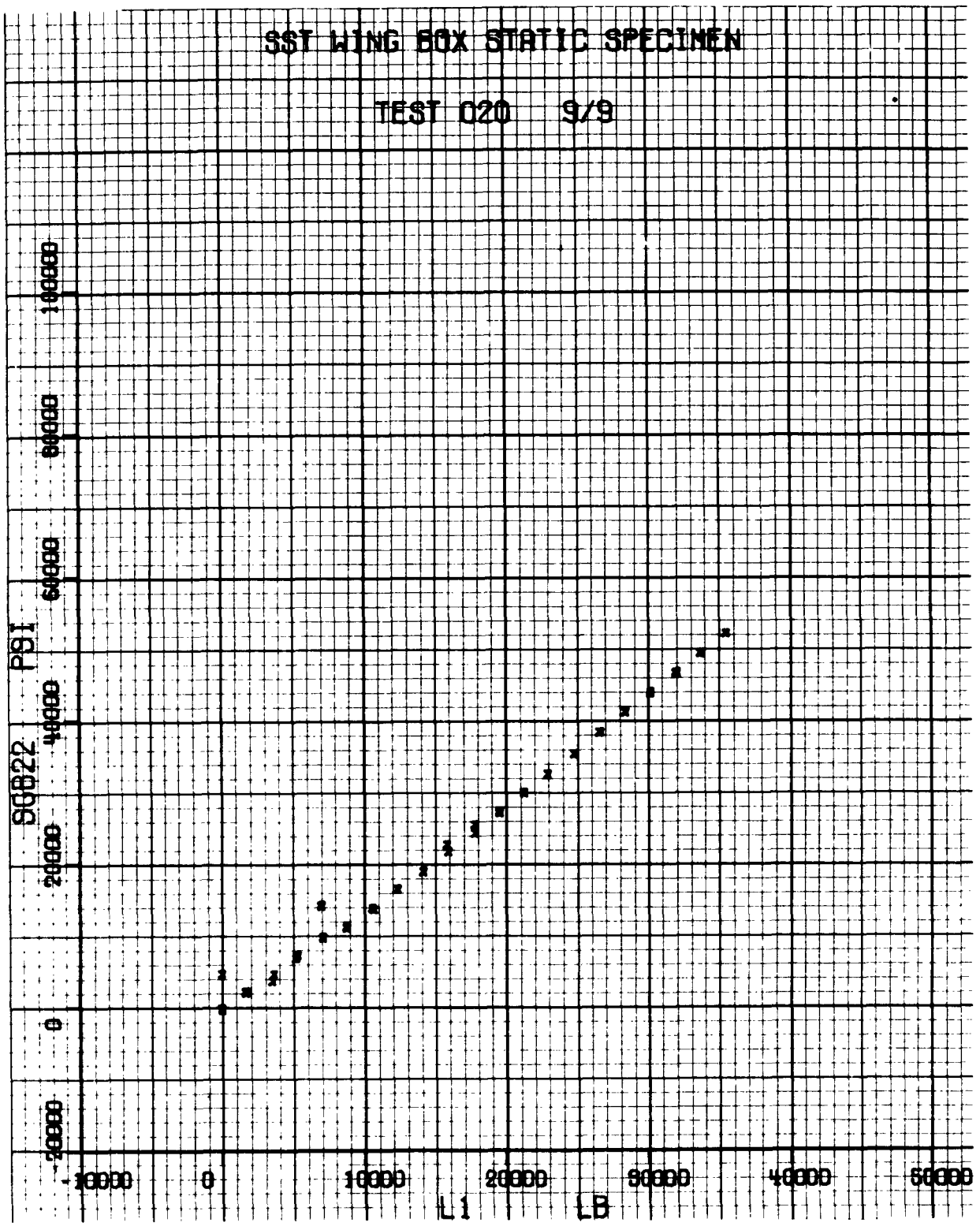
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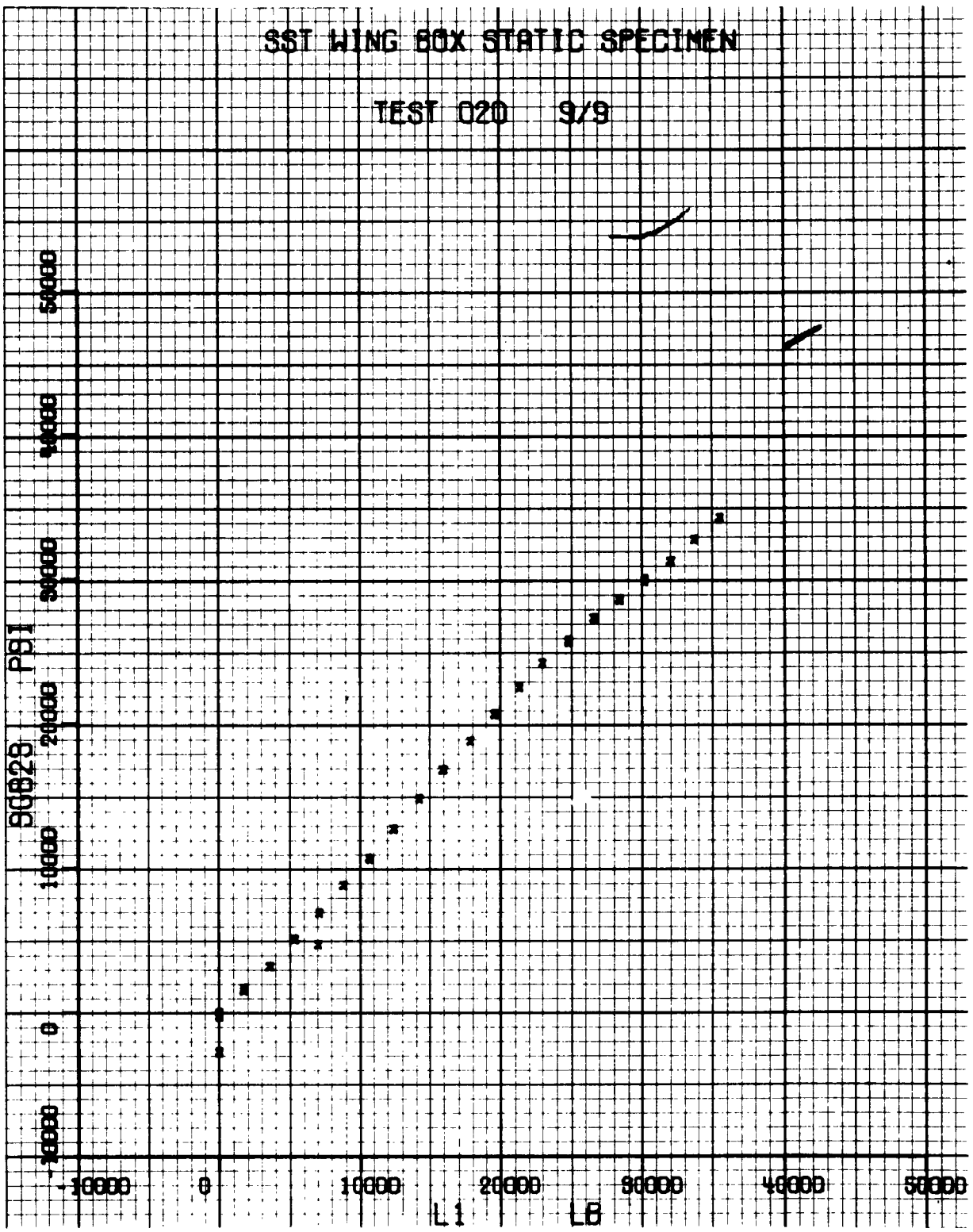
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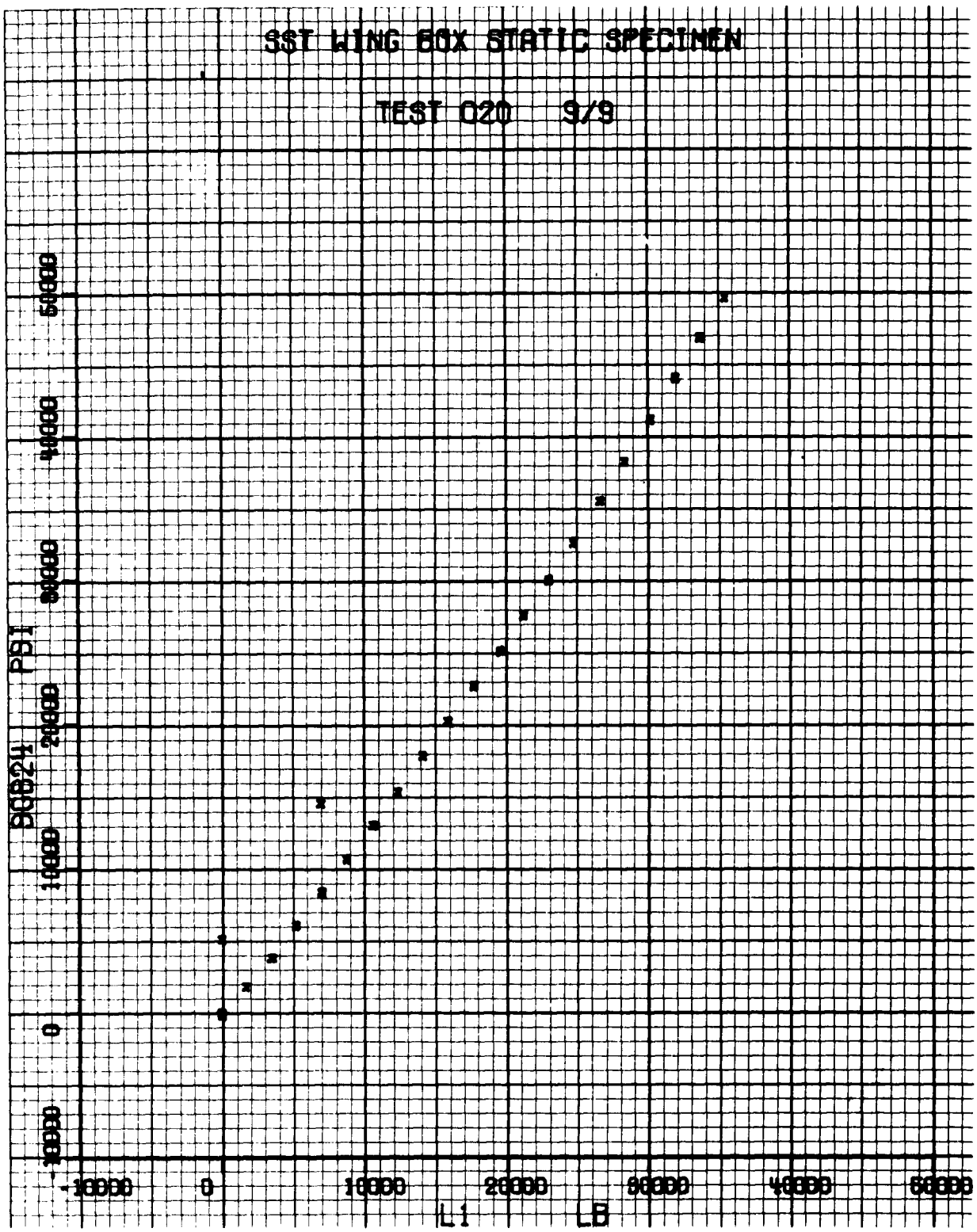
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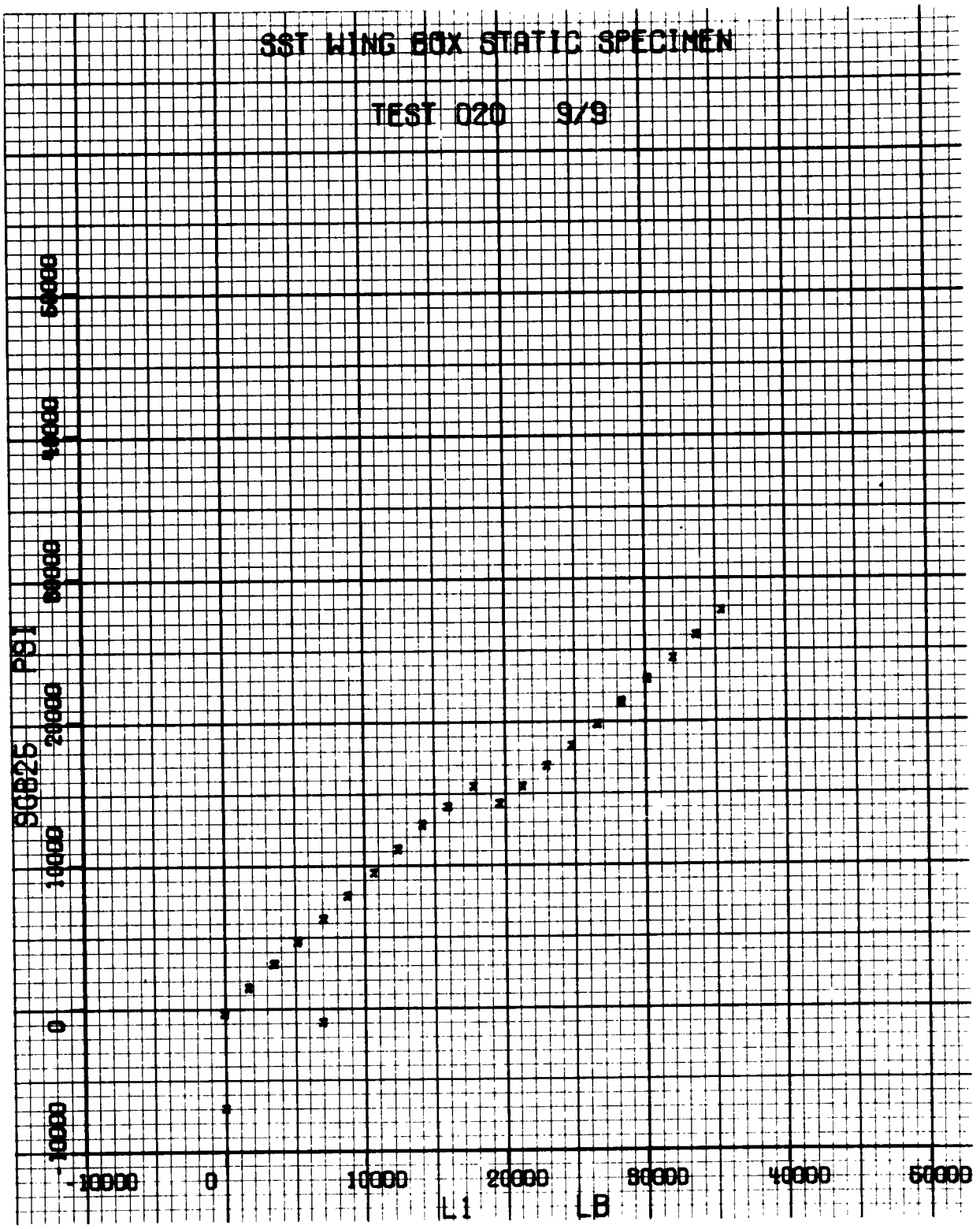
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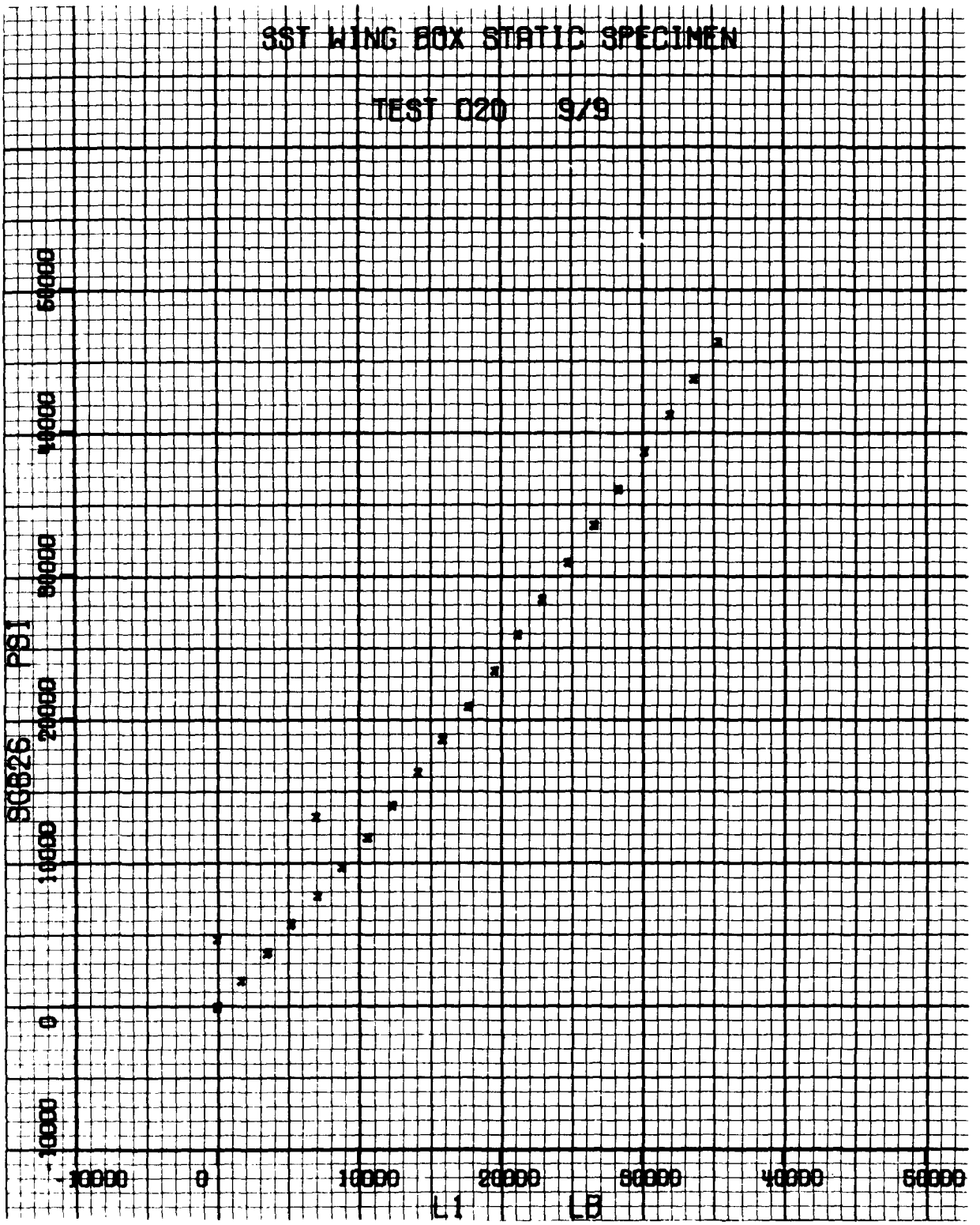
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
SCB26
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20000
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40000
50000
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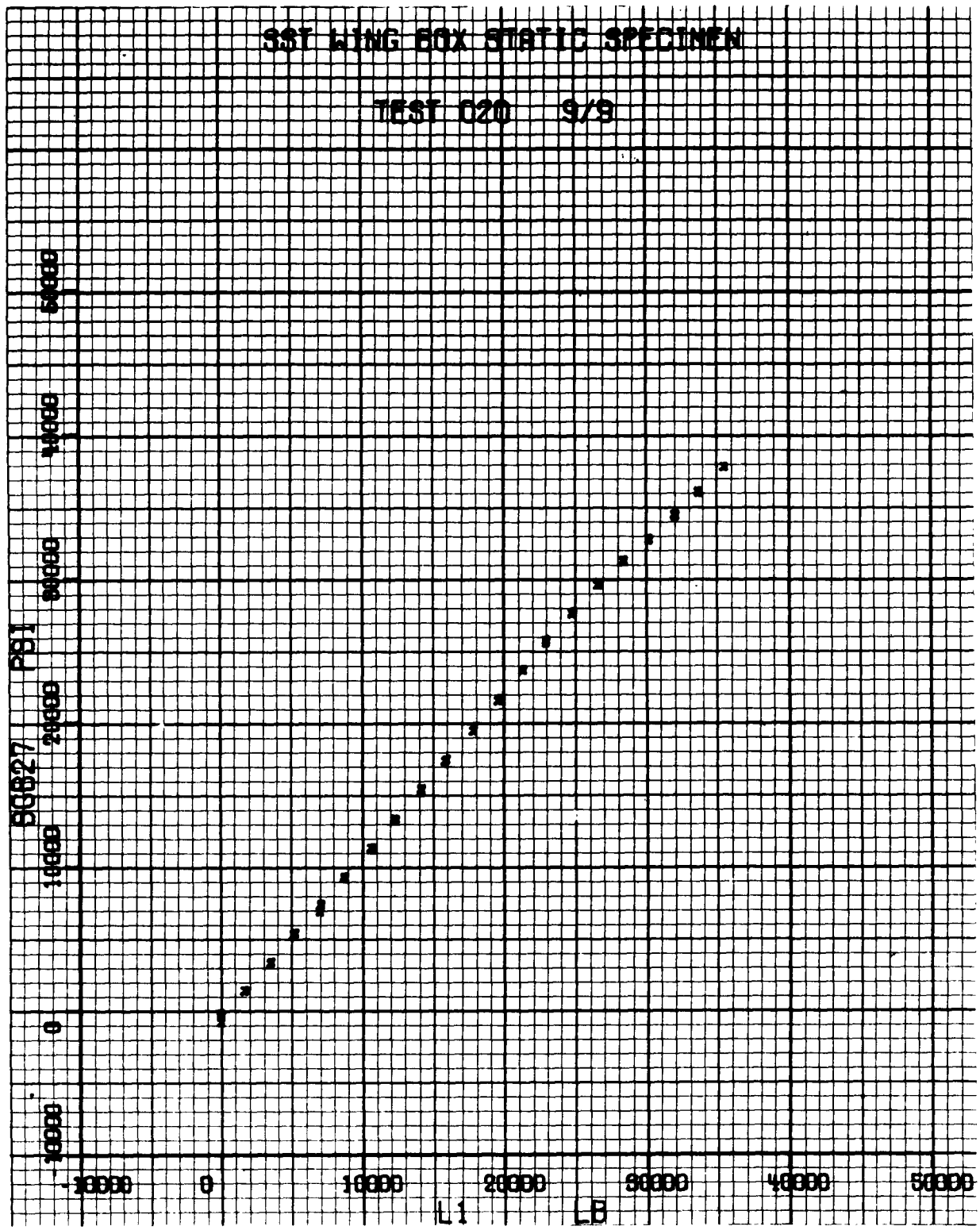
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
BOEING
PSI
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10000
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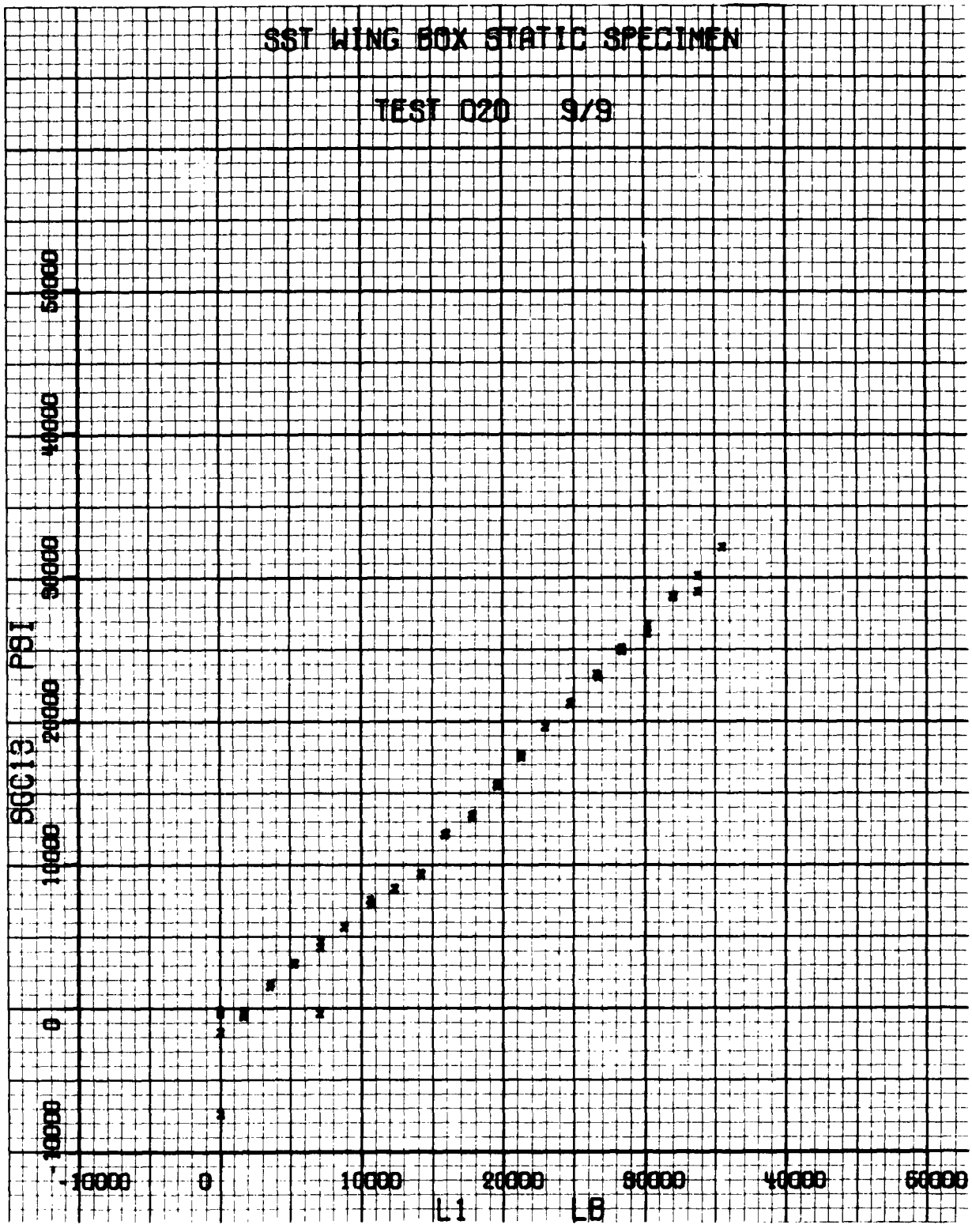
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGC13 PSI
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20000
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40000
50000
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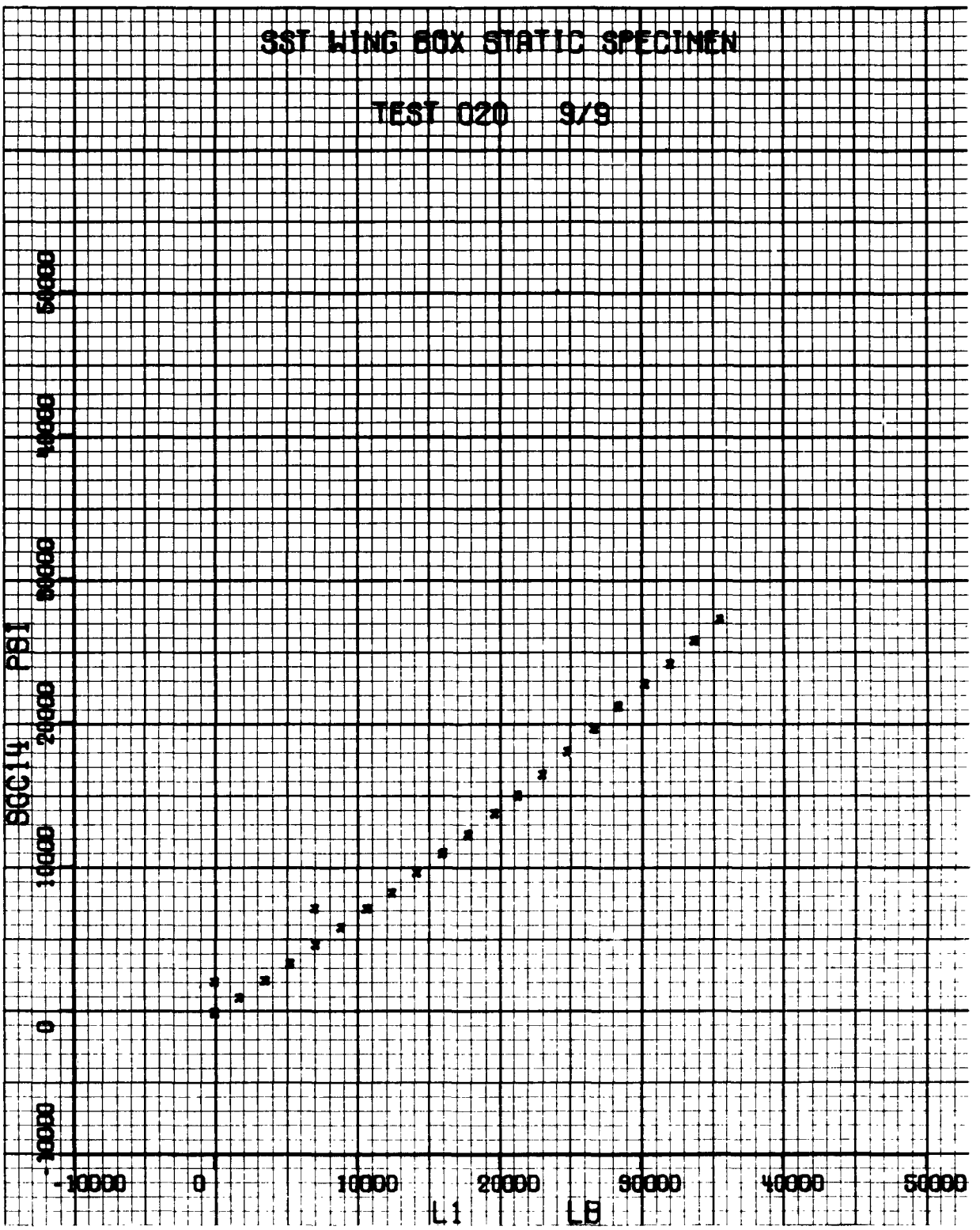
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
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10000
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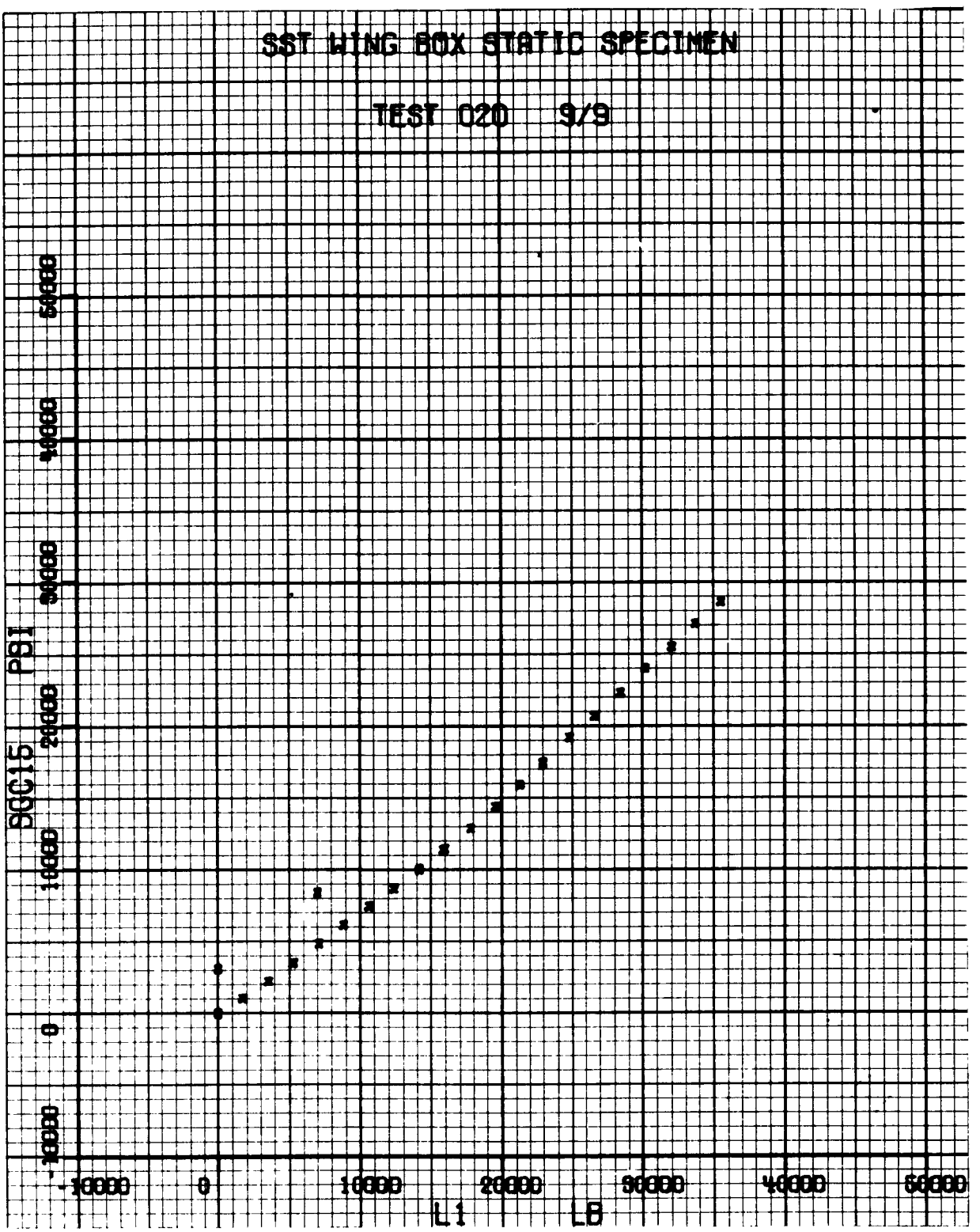
L1
LB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TEST 020 9/9
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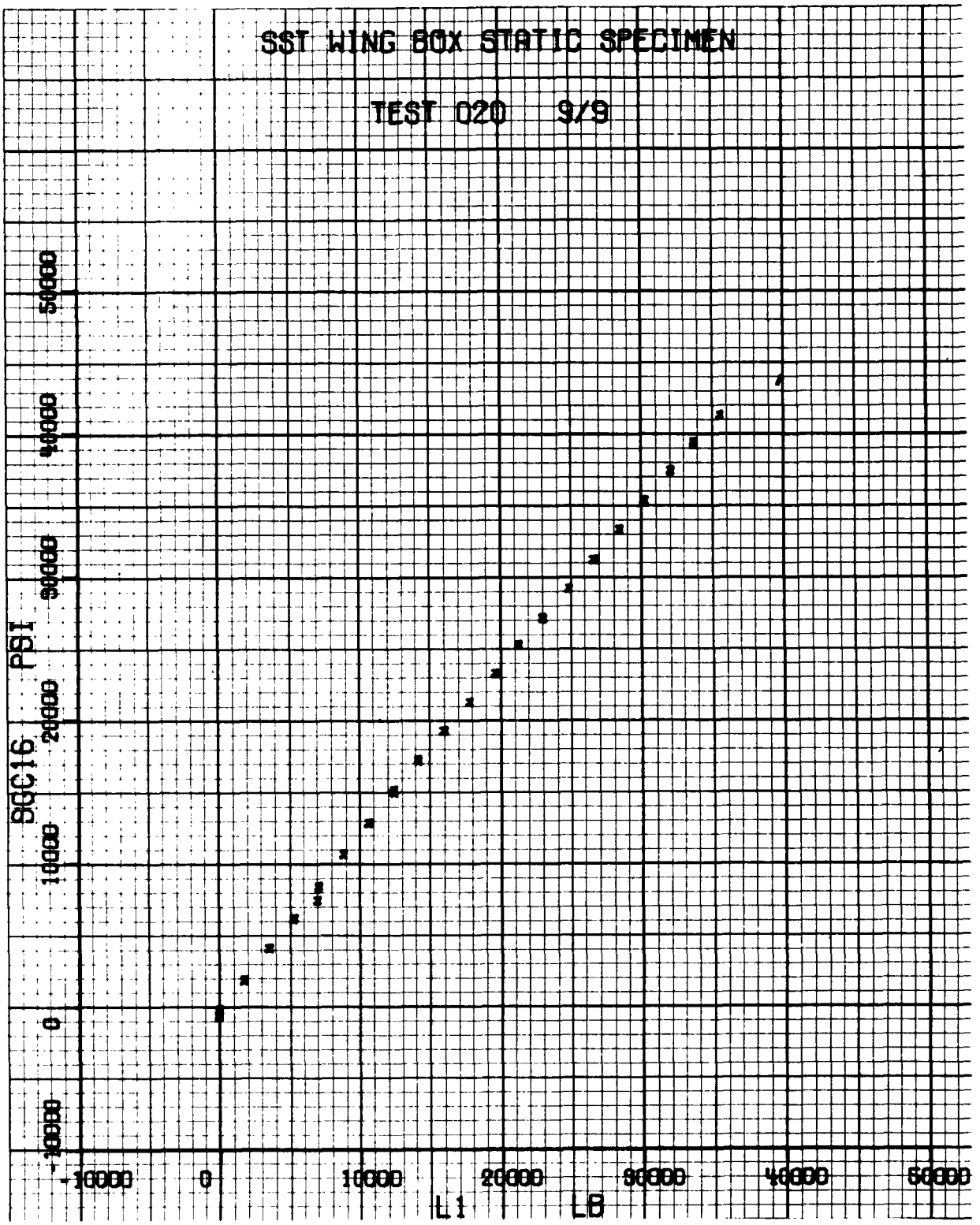
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
BGC16 PSI
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-10000
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40000
50000
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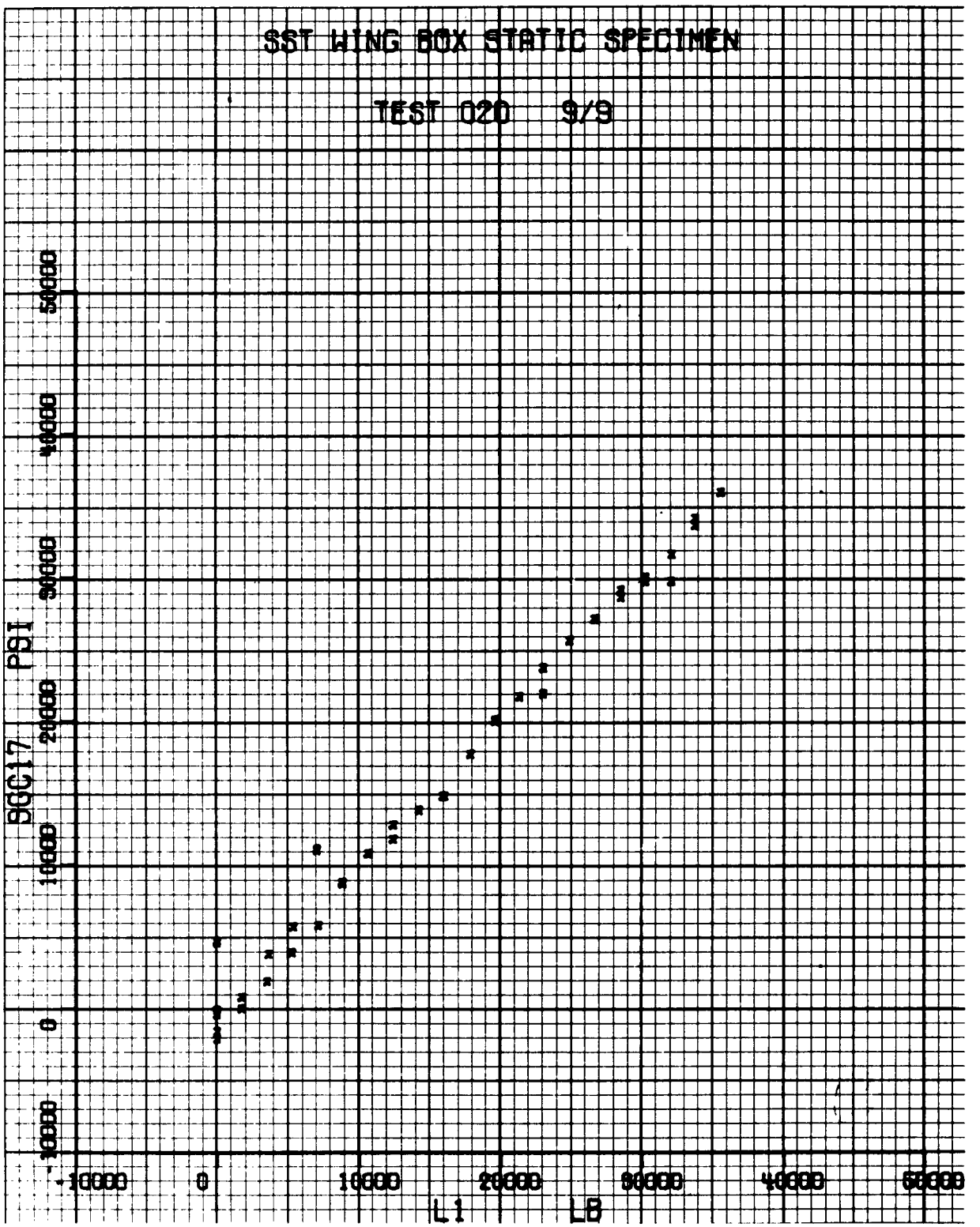
L8


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGG17 PSI
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-10000
-10000
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20000
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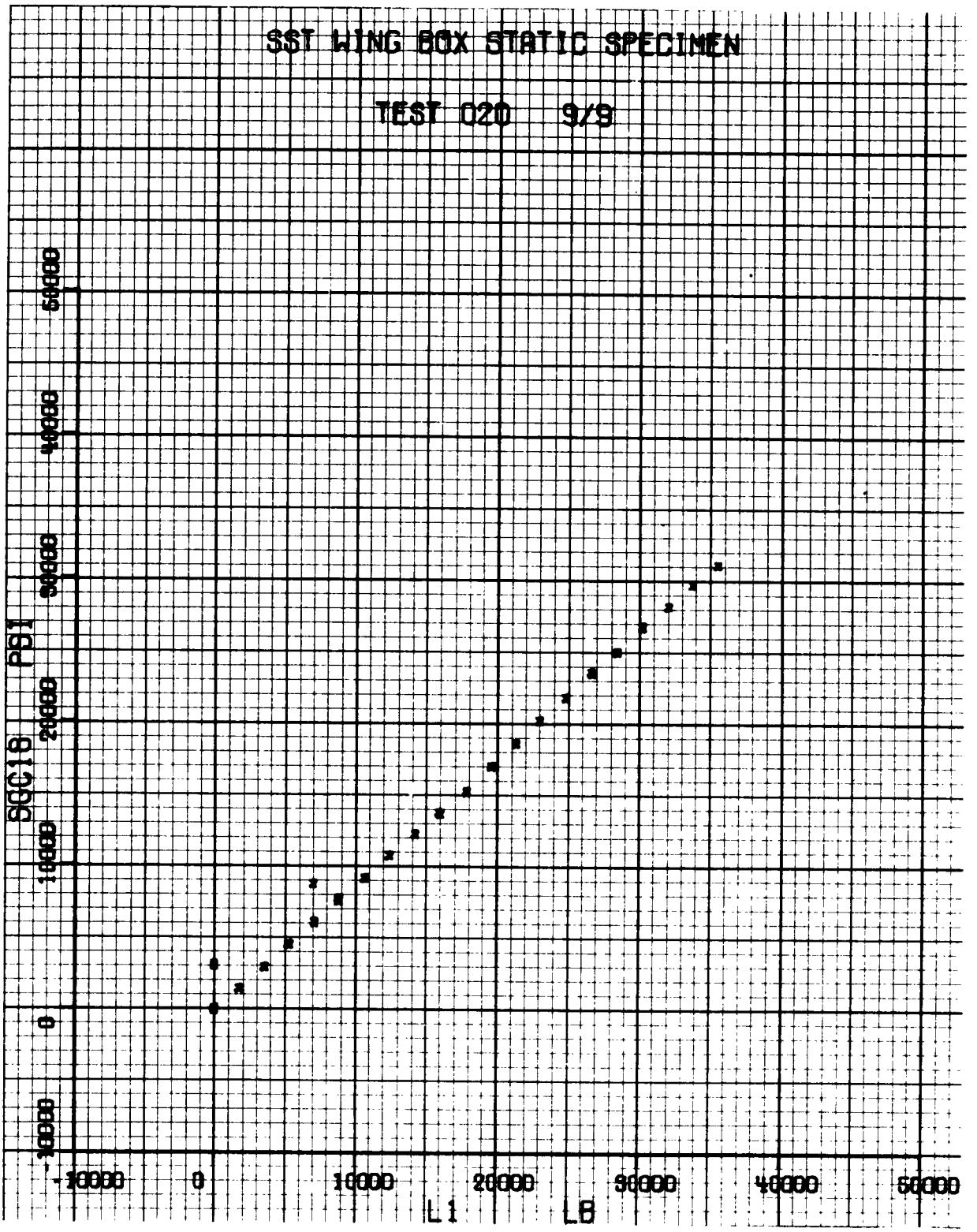
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGC18 PSI
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20000
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50000
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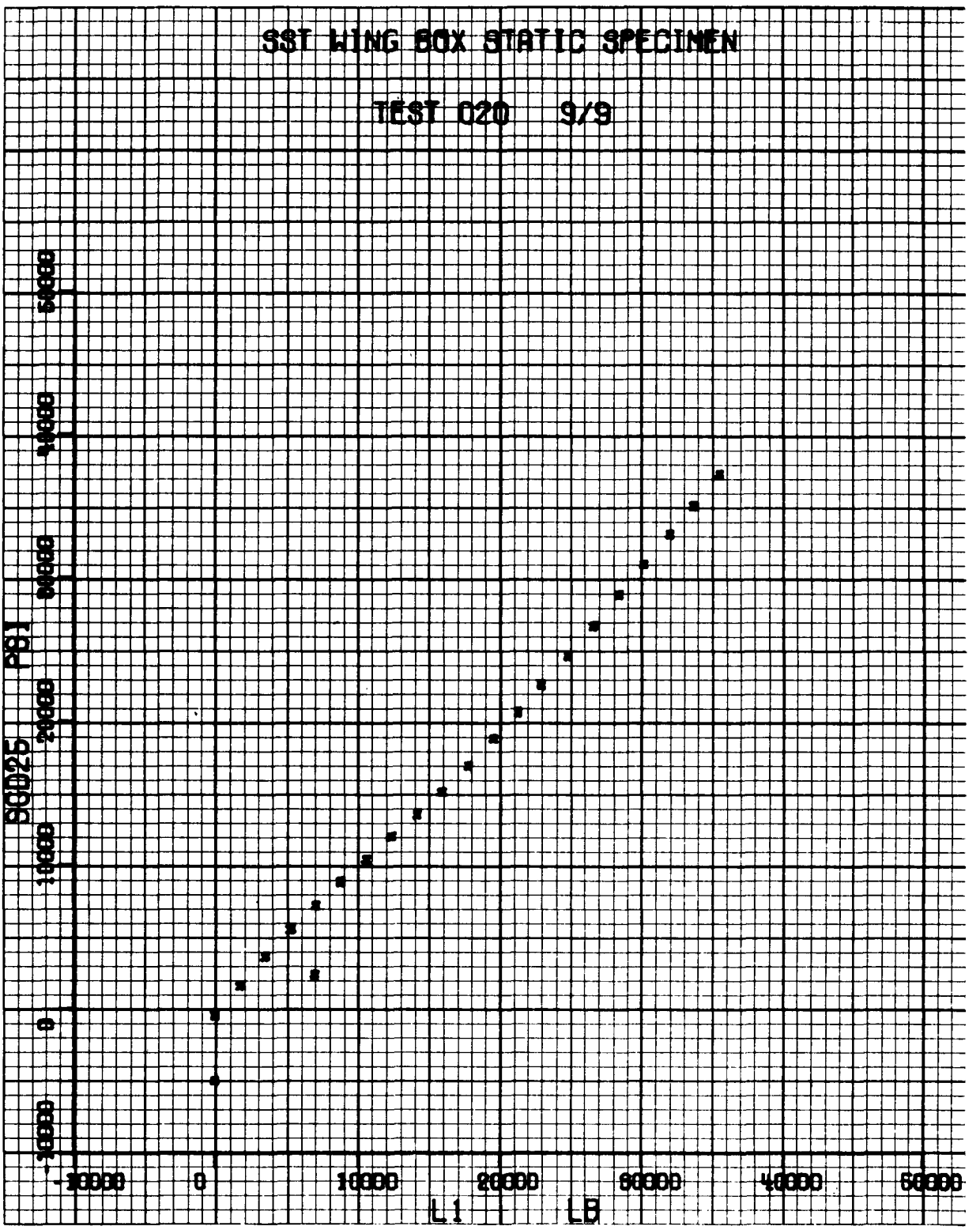
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGD25 PB1
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40000
50000
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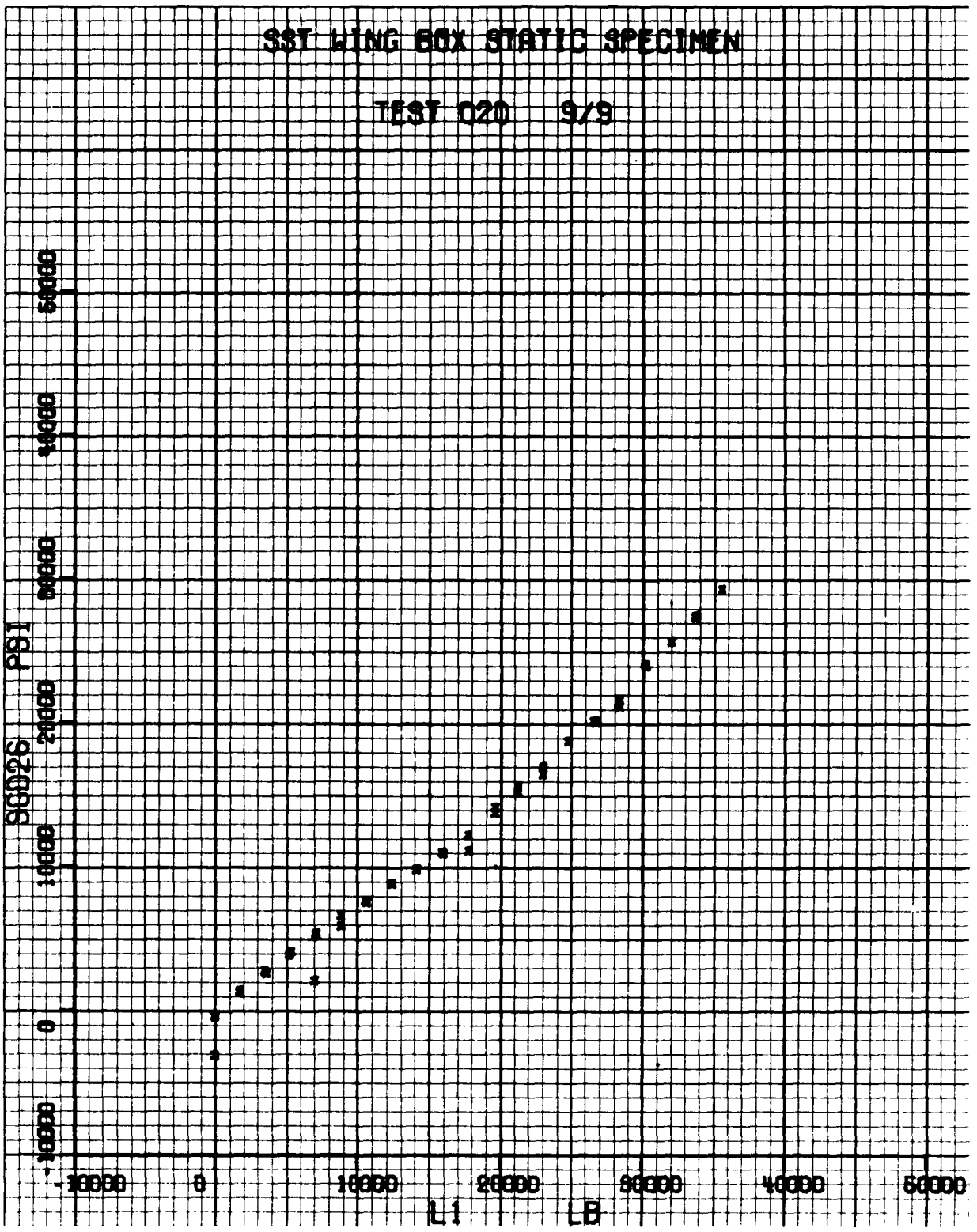
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
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PSI
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0
10000
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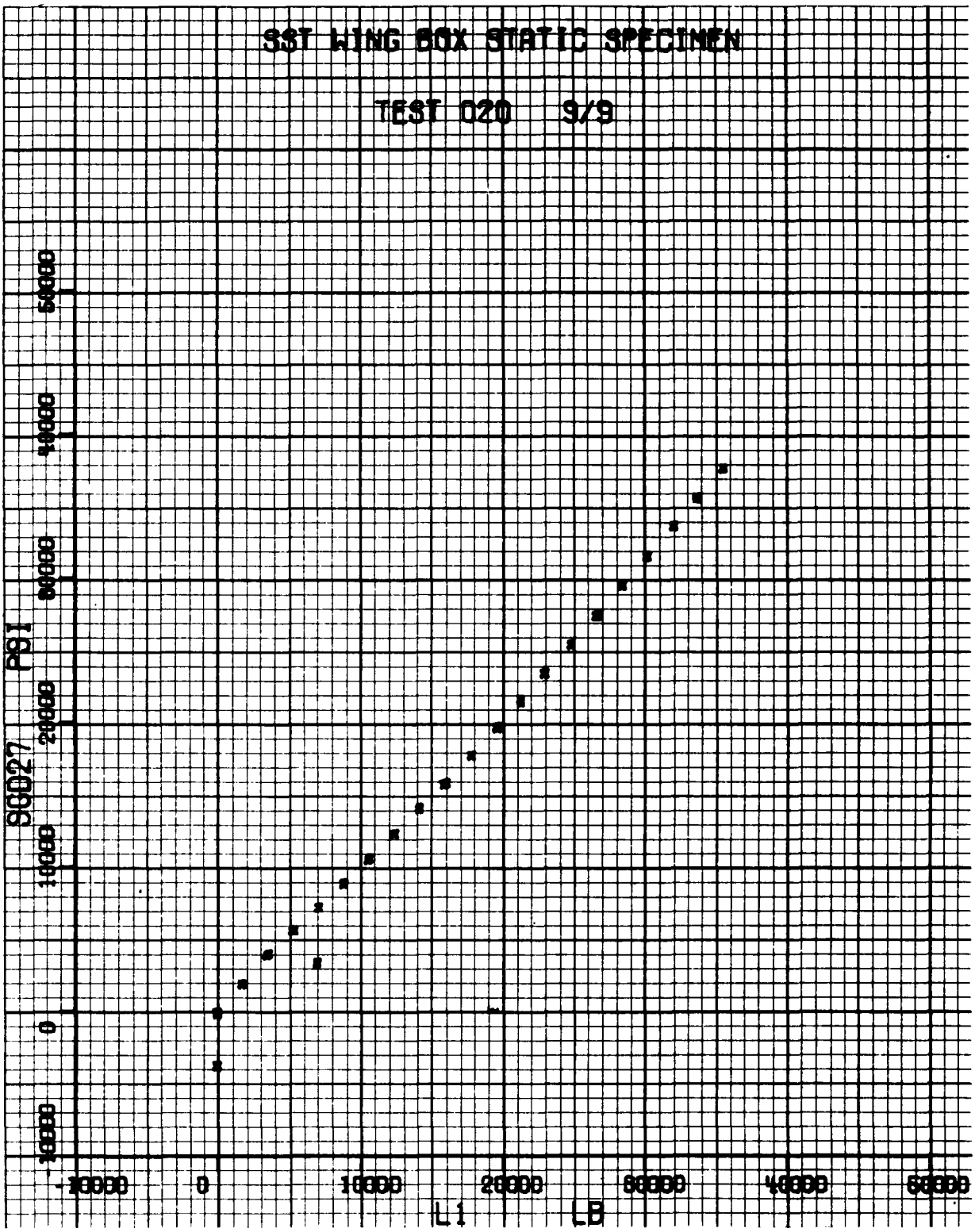
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
90027
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10000
20000
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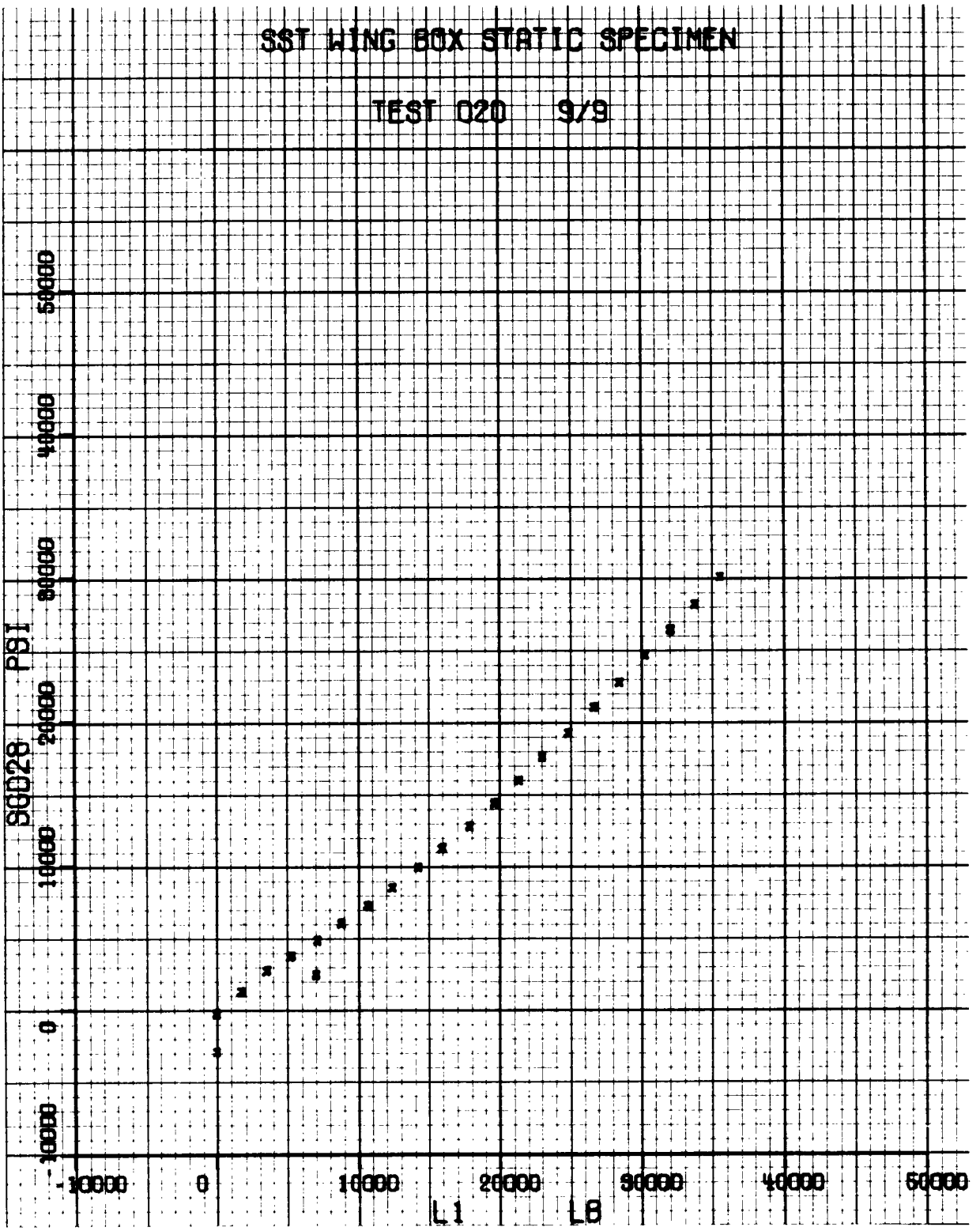
40000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG028 PSI
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-10000
-10000
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40000
50000
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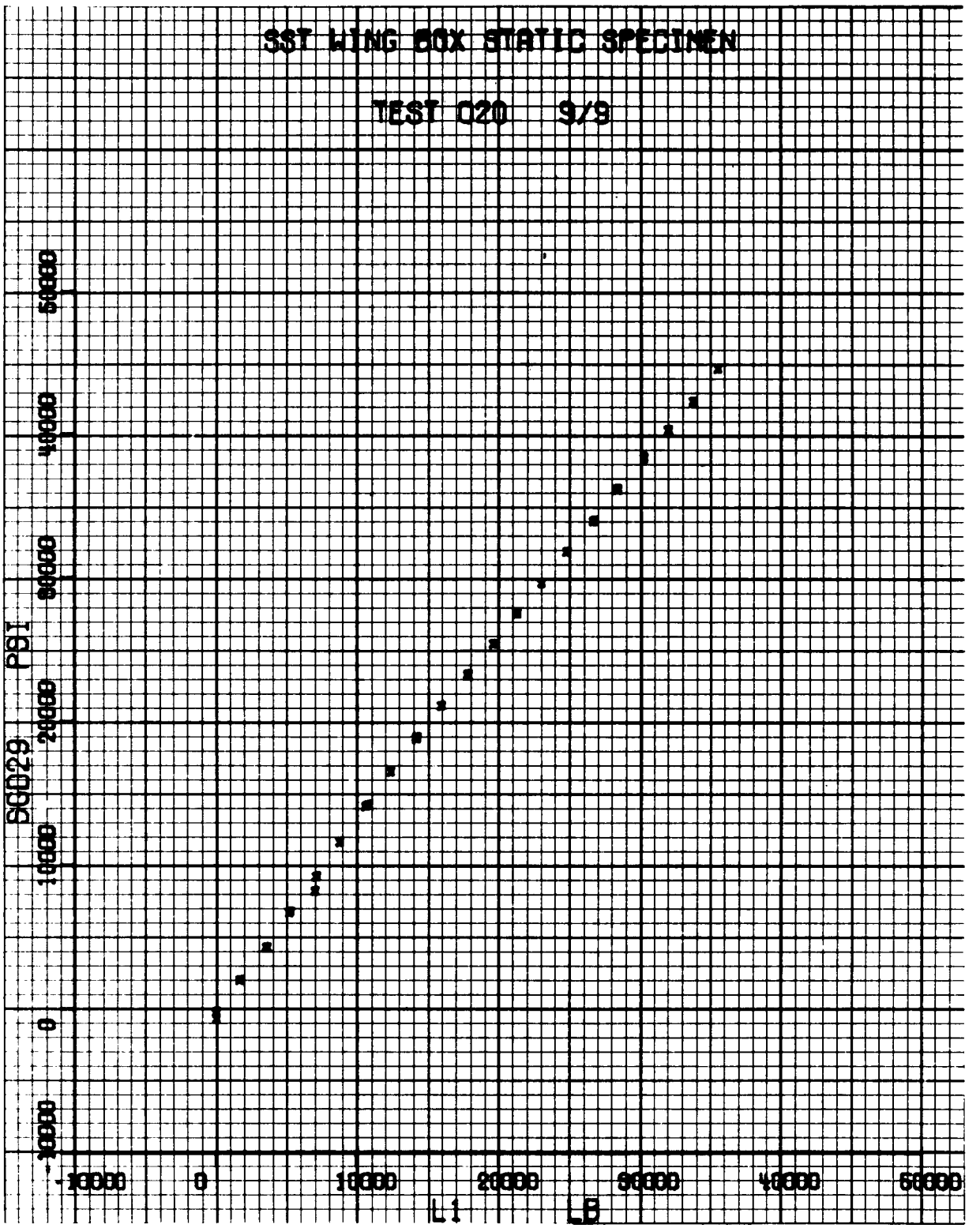
SST WING BOX STATIC SPECIMEN
TEST C20 9/9
SG029 PSI
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10000
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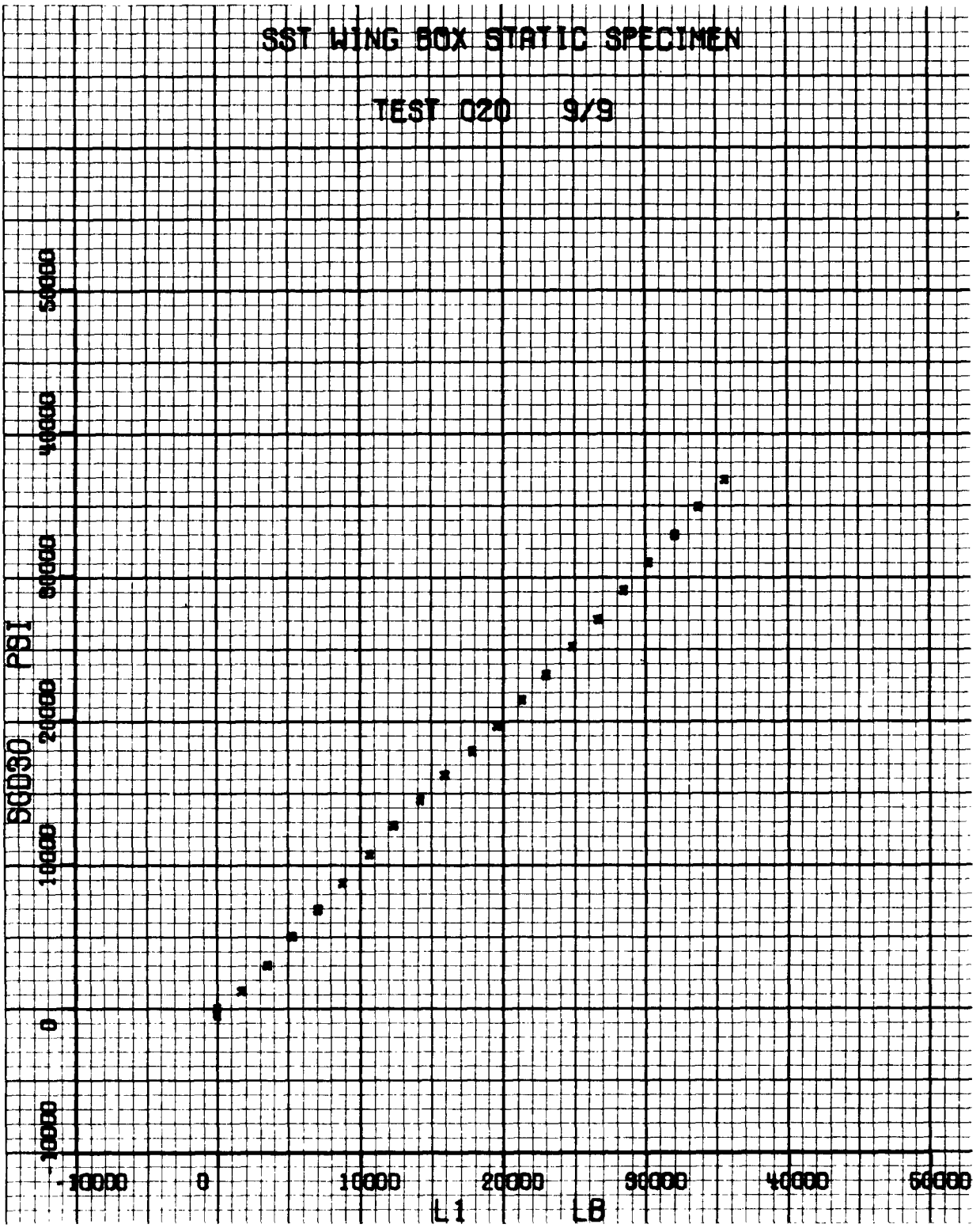
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGD30
PSI
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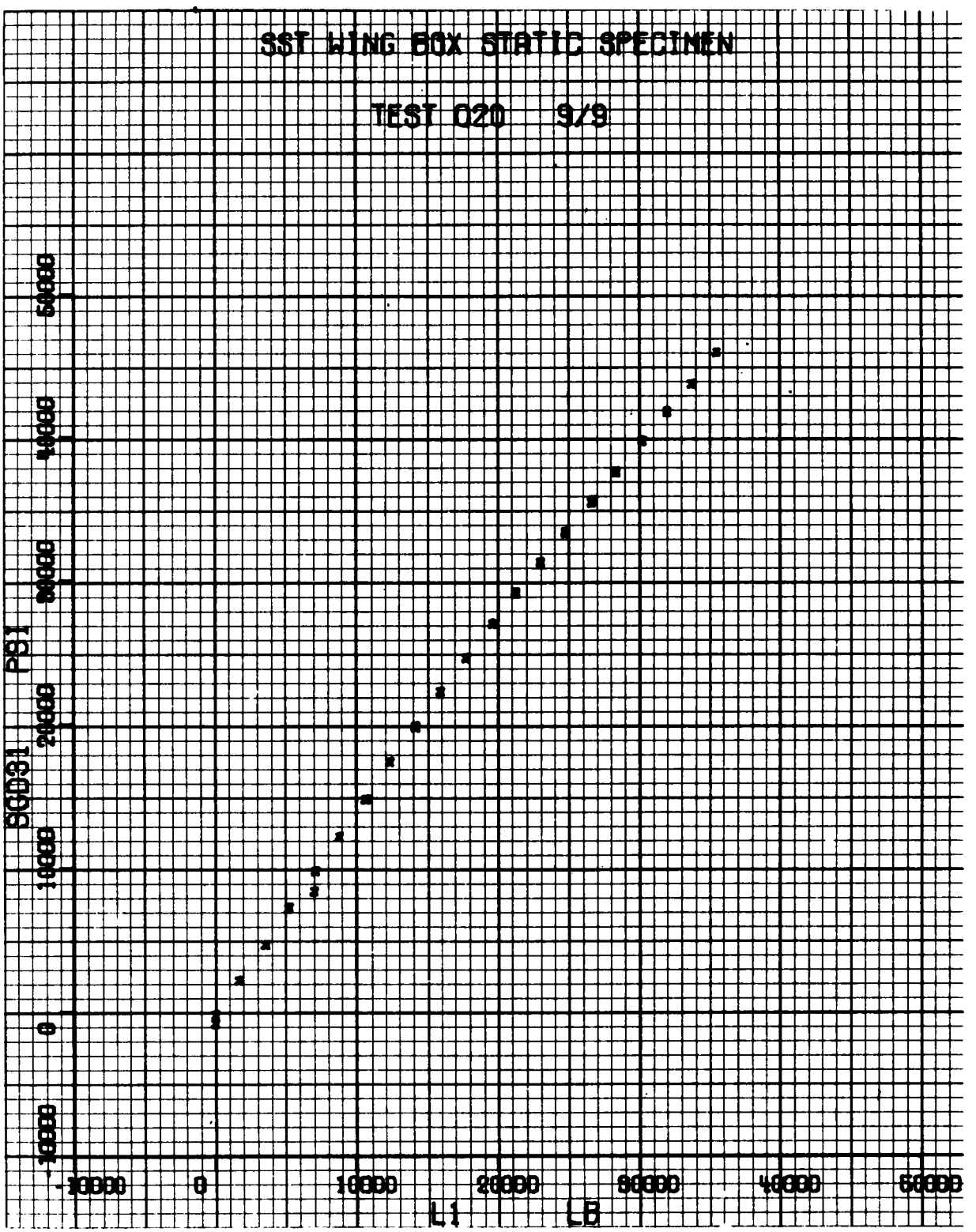
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
BOOM PSI
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40000
20000
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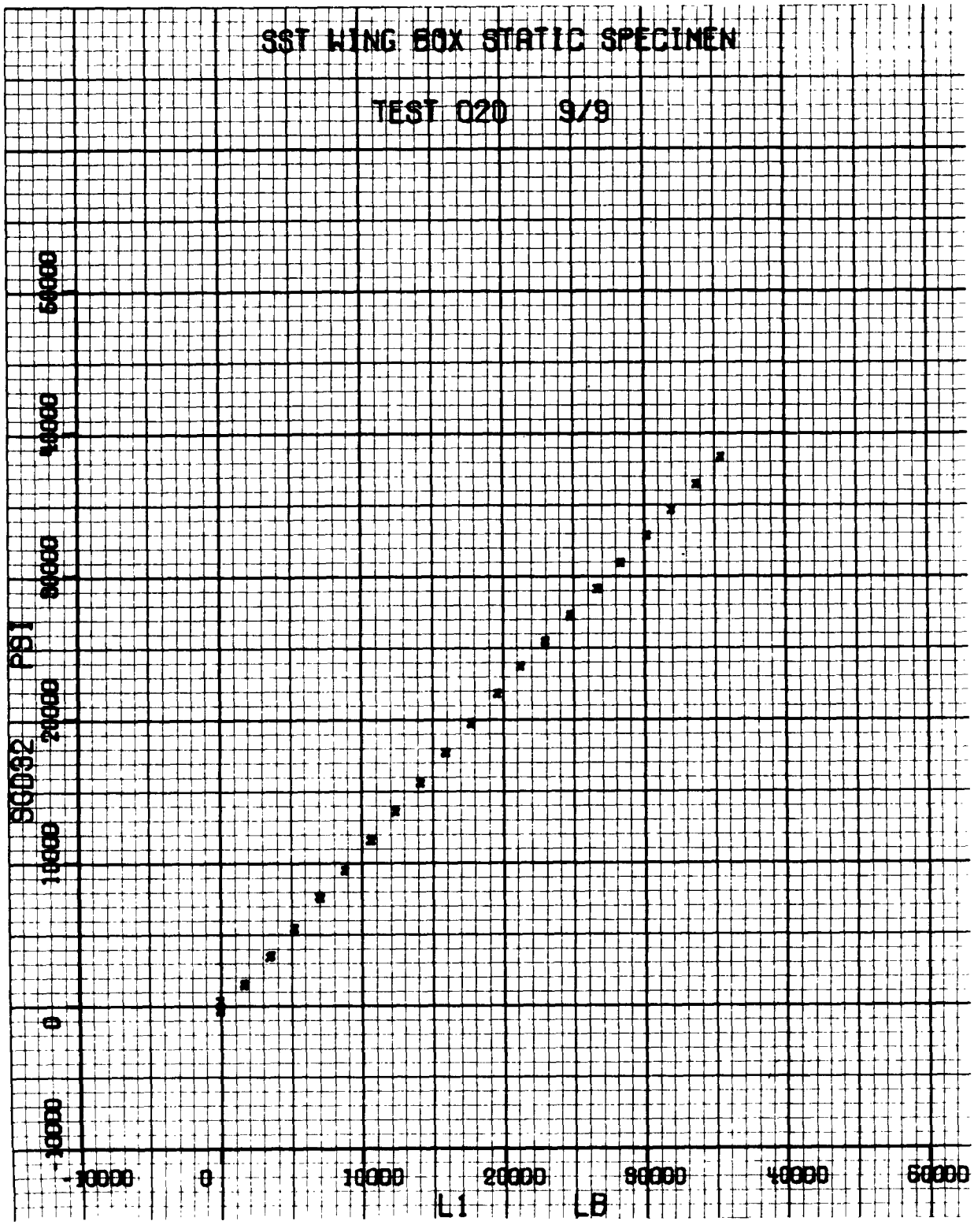
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG032 PSI
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-10000
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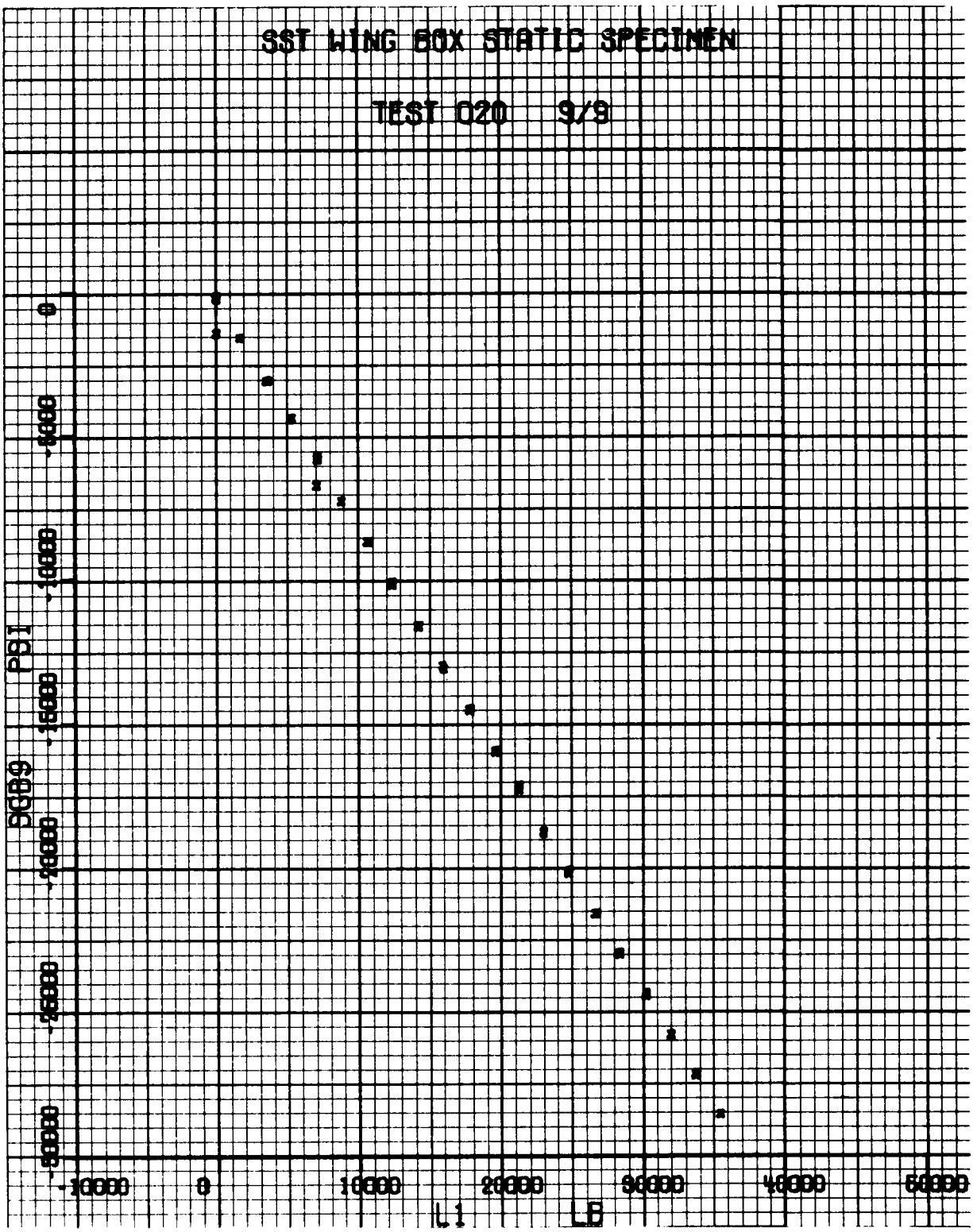
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
0
-5000
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-15000
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-25000
-30000
-35000
-10000
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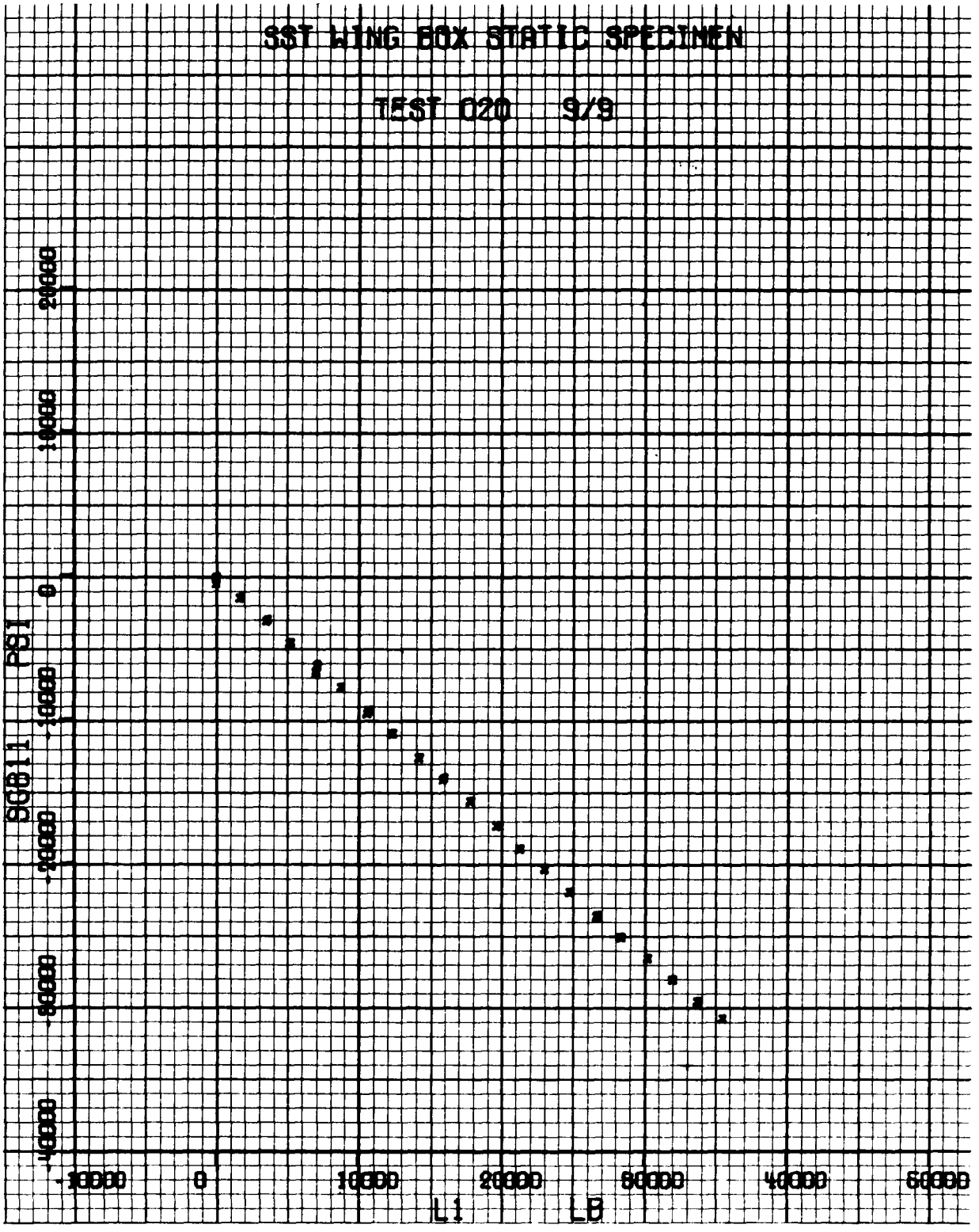
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG811 PSI
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10000
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-20000
-30000
-40000
-10000
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10000
20000
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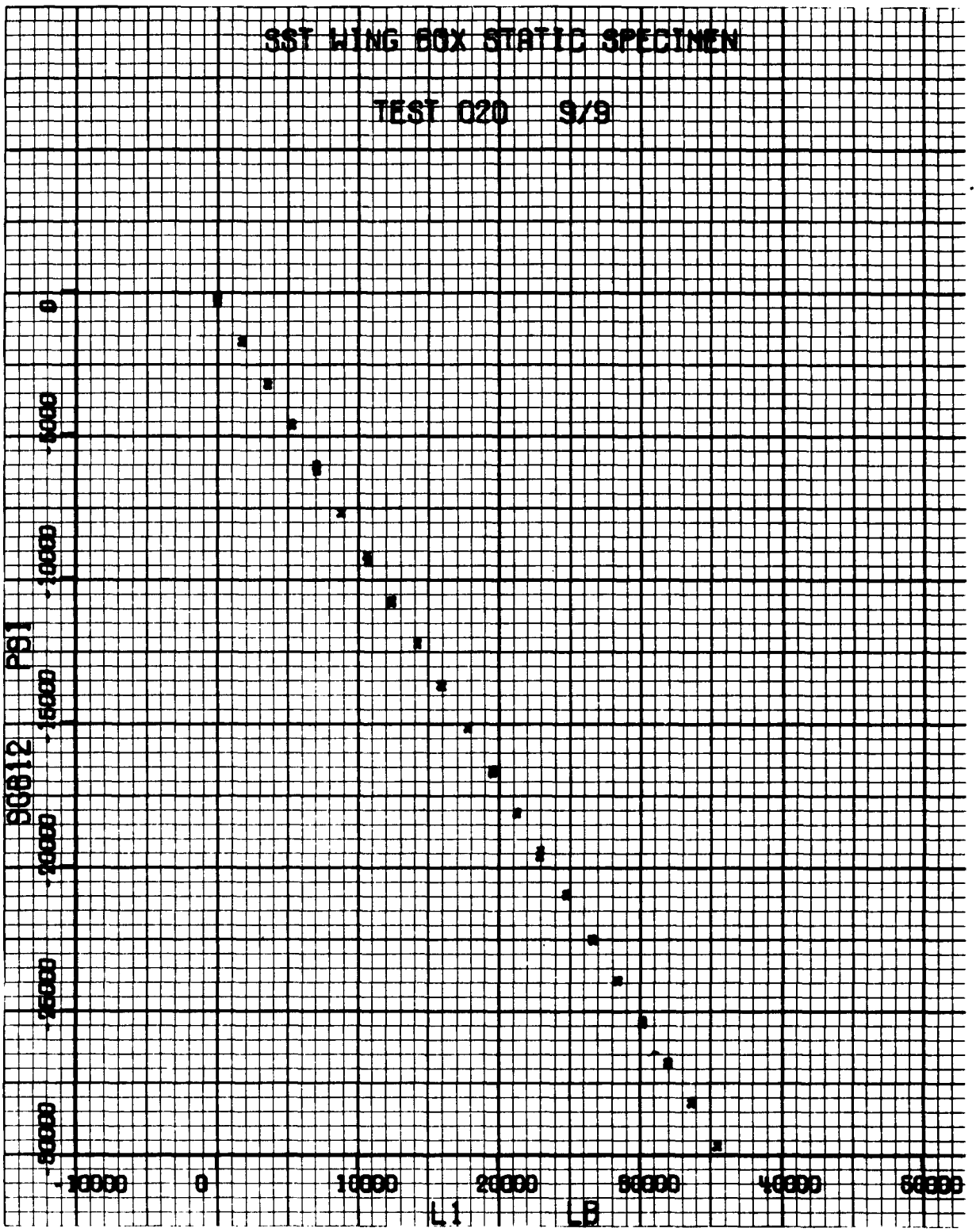
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
BOB12 PSI
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-2000
-4000
-6000
-8000
-10000
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-14000
-16000
-18000
-20000
-10000
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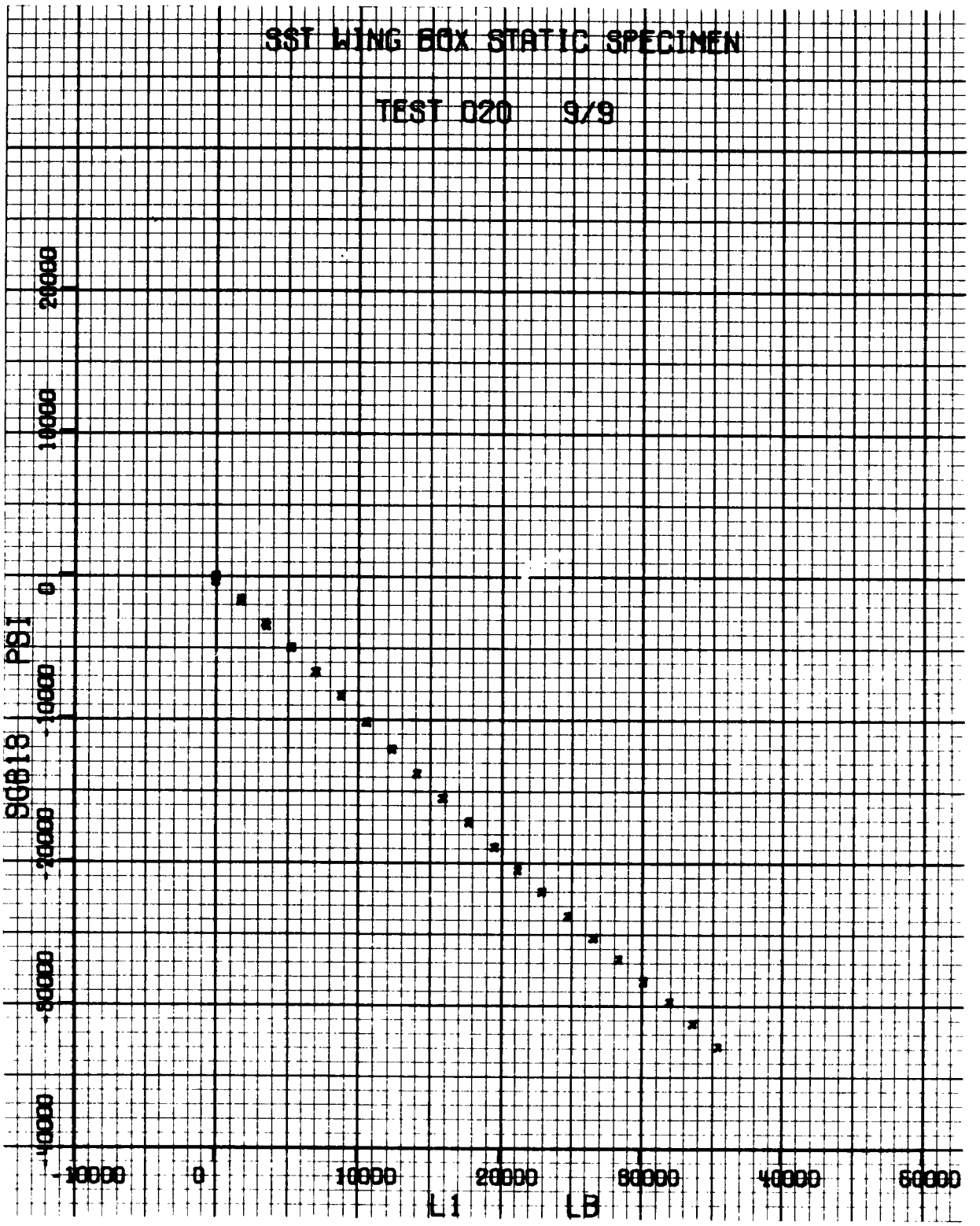
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG818
PSI
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-40000
-10000
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10000
20000
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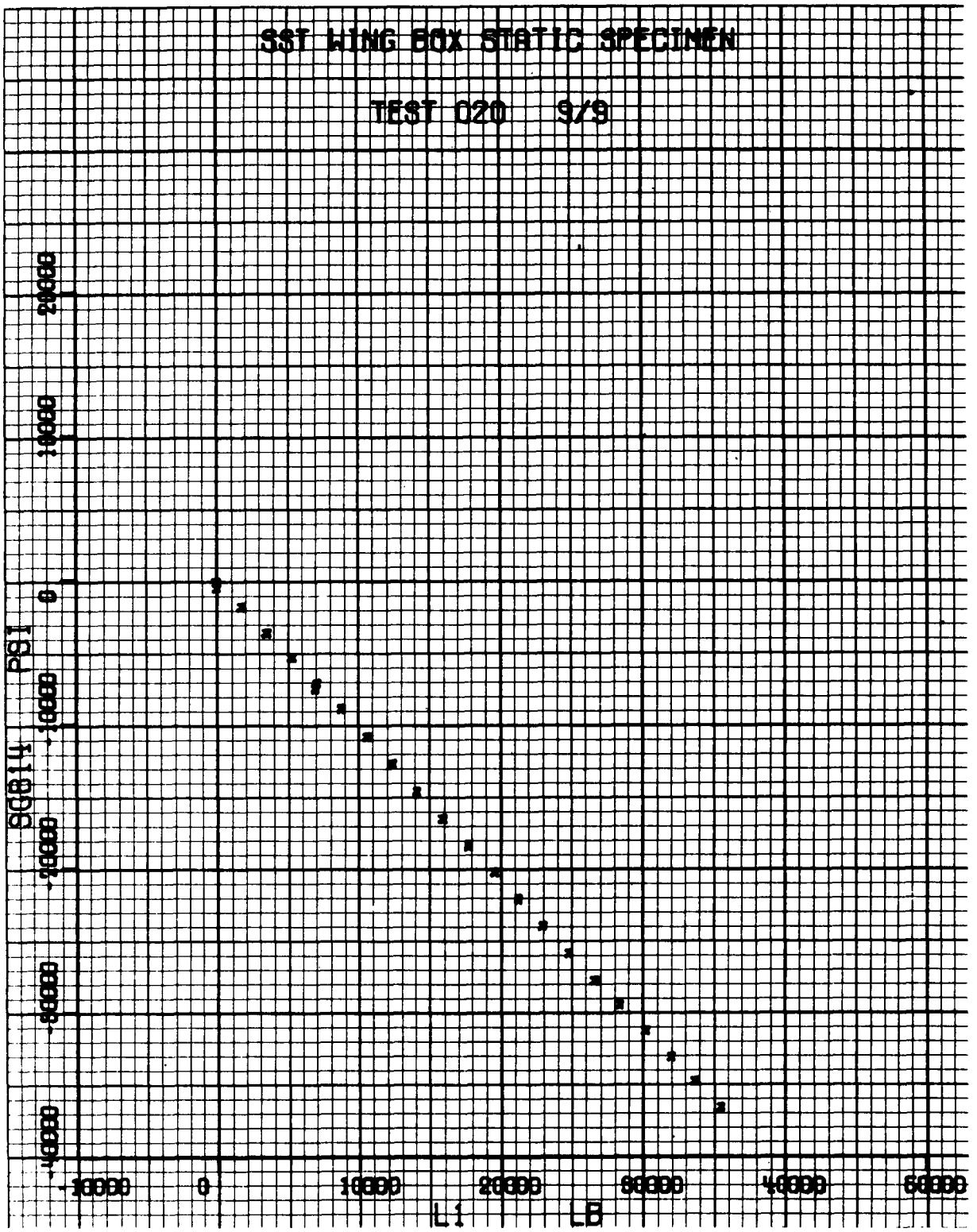
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
20000
10000
0
-10000
-20000
-30000
-40000
-50000
-60000
-70000
-80000
-90000
-100000
-110000
-120000
-130000
-140000
-150000
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-180000
-190000
-200000
-10000
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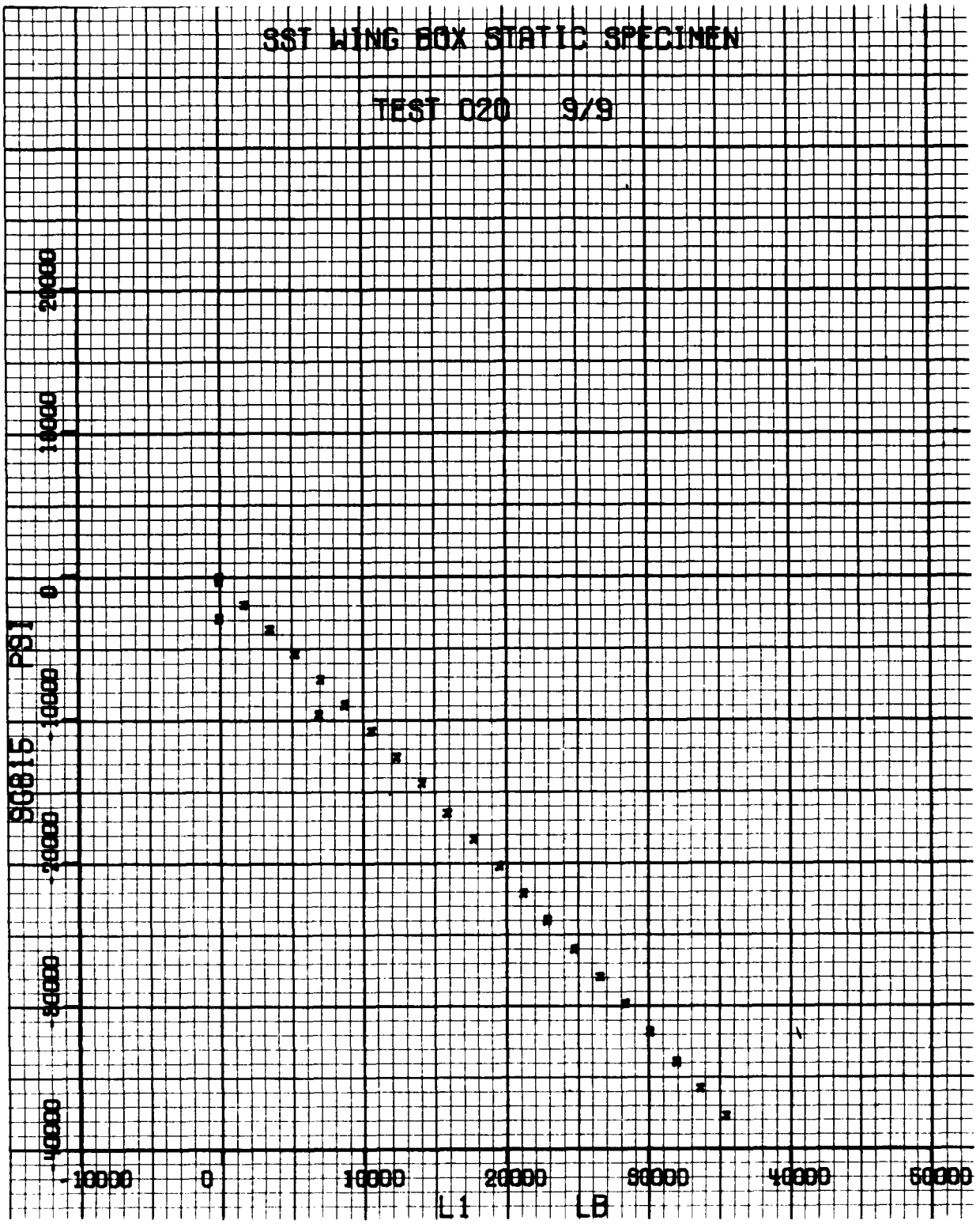
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
20000
10000
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-10000
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-30000
-40000
90815
-10000
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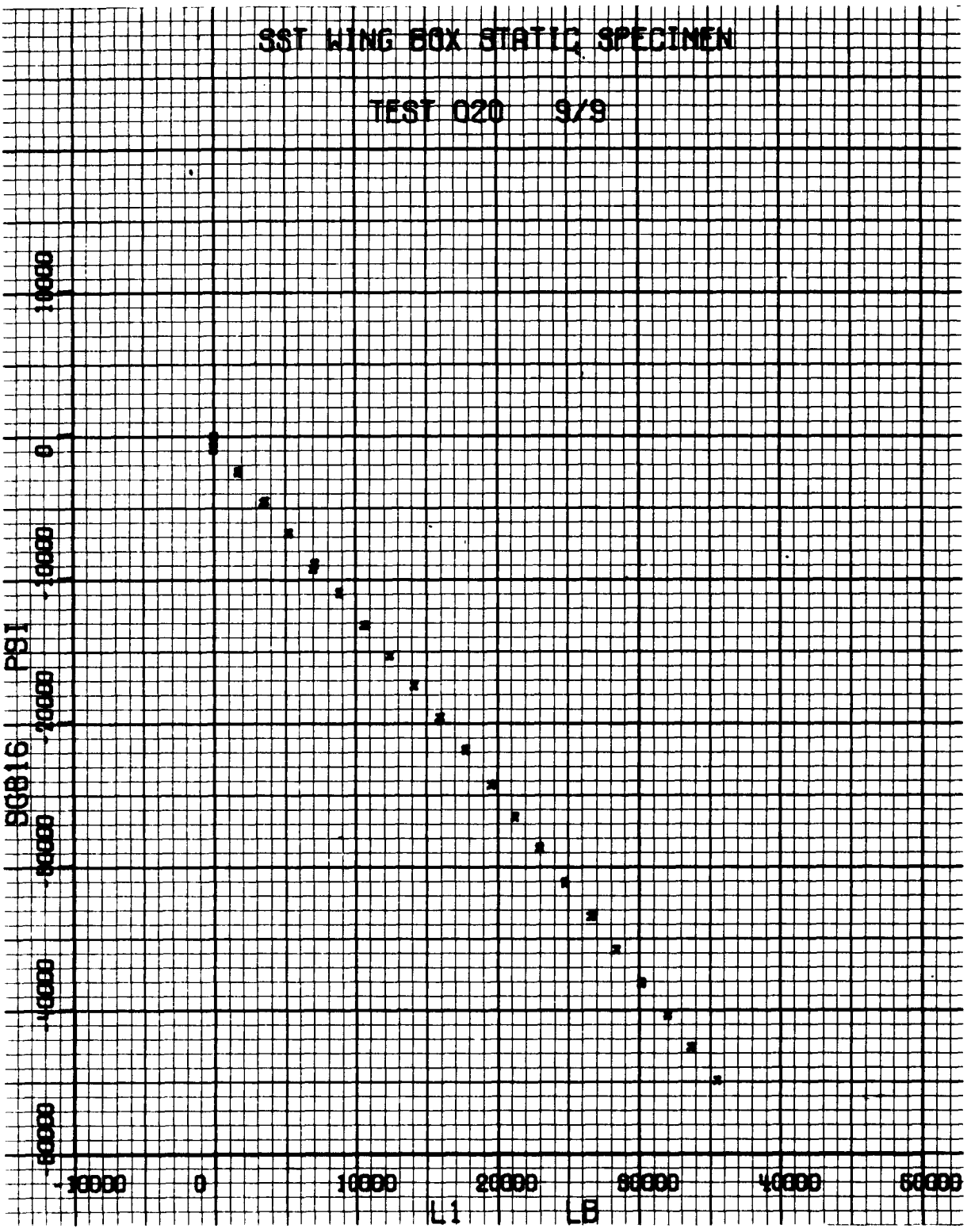
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
90816
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-30000
-40000
-50000
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40000
50000
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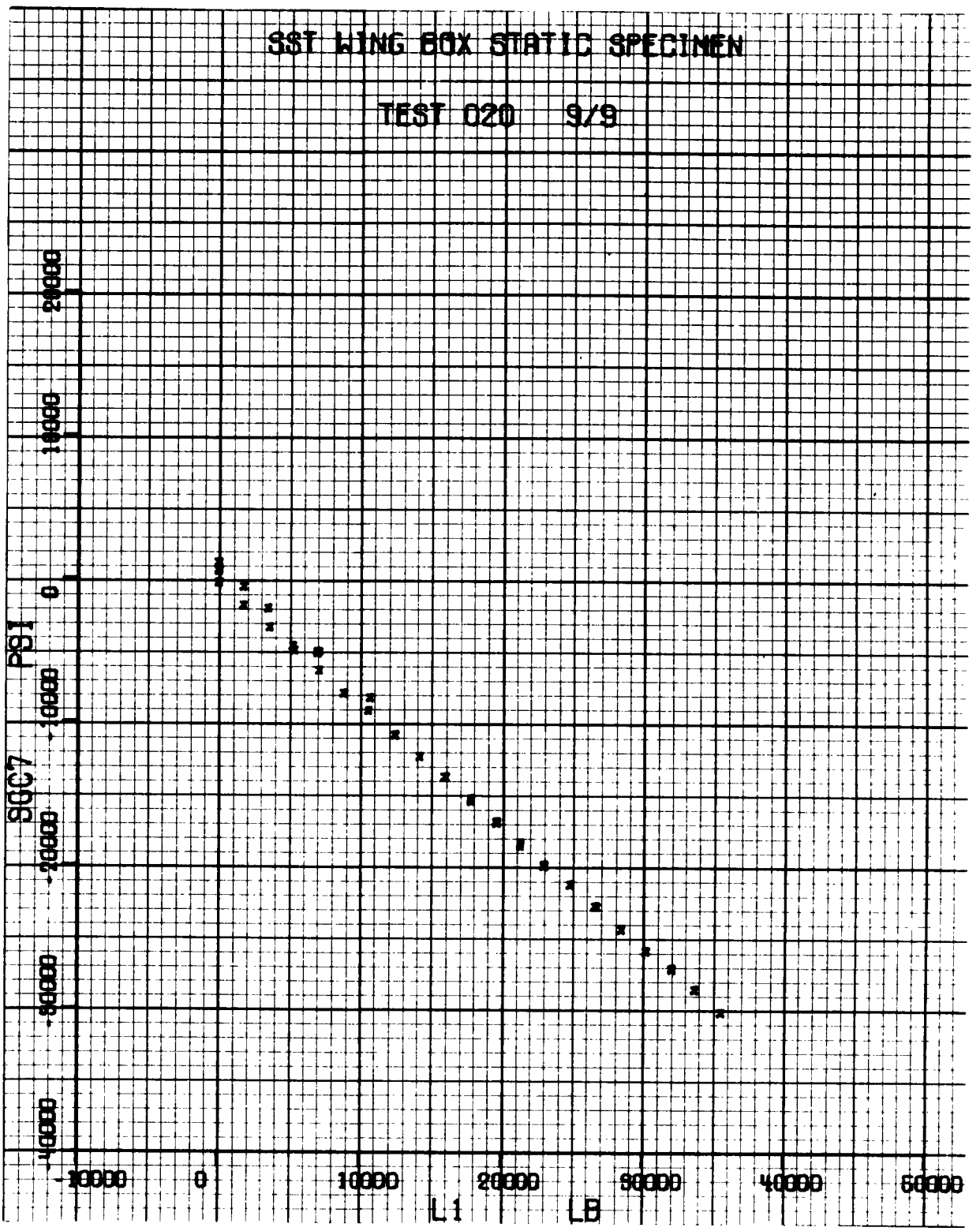
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG37
PSI
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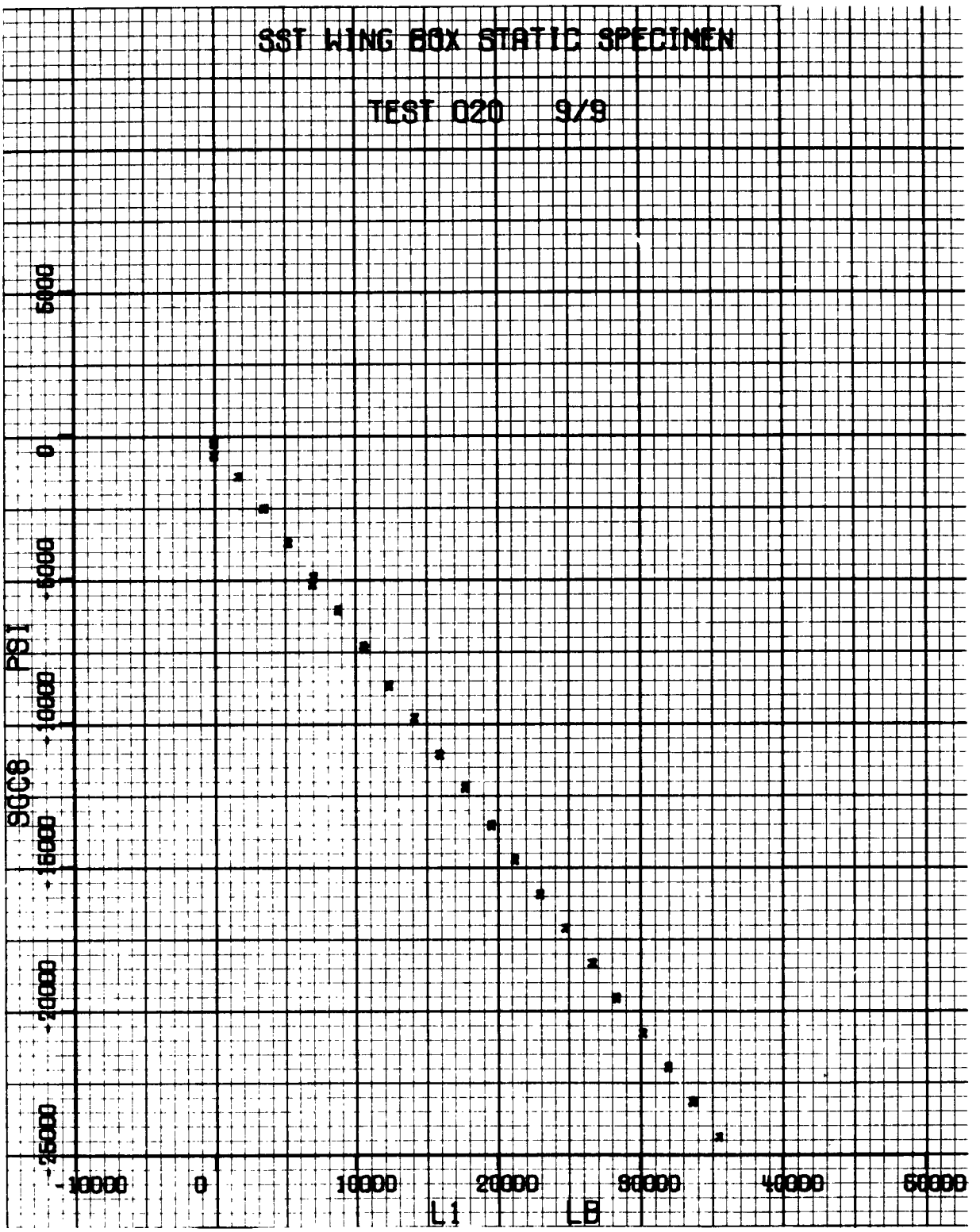
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
SGC8
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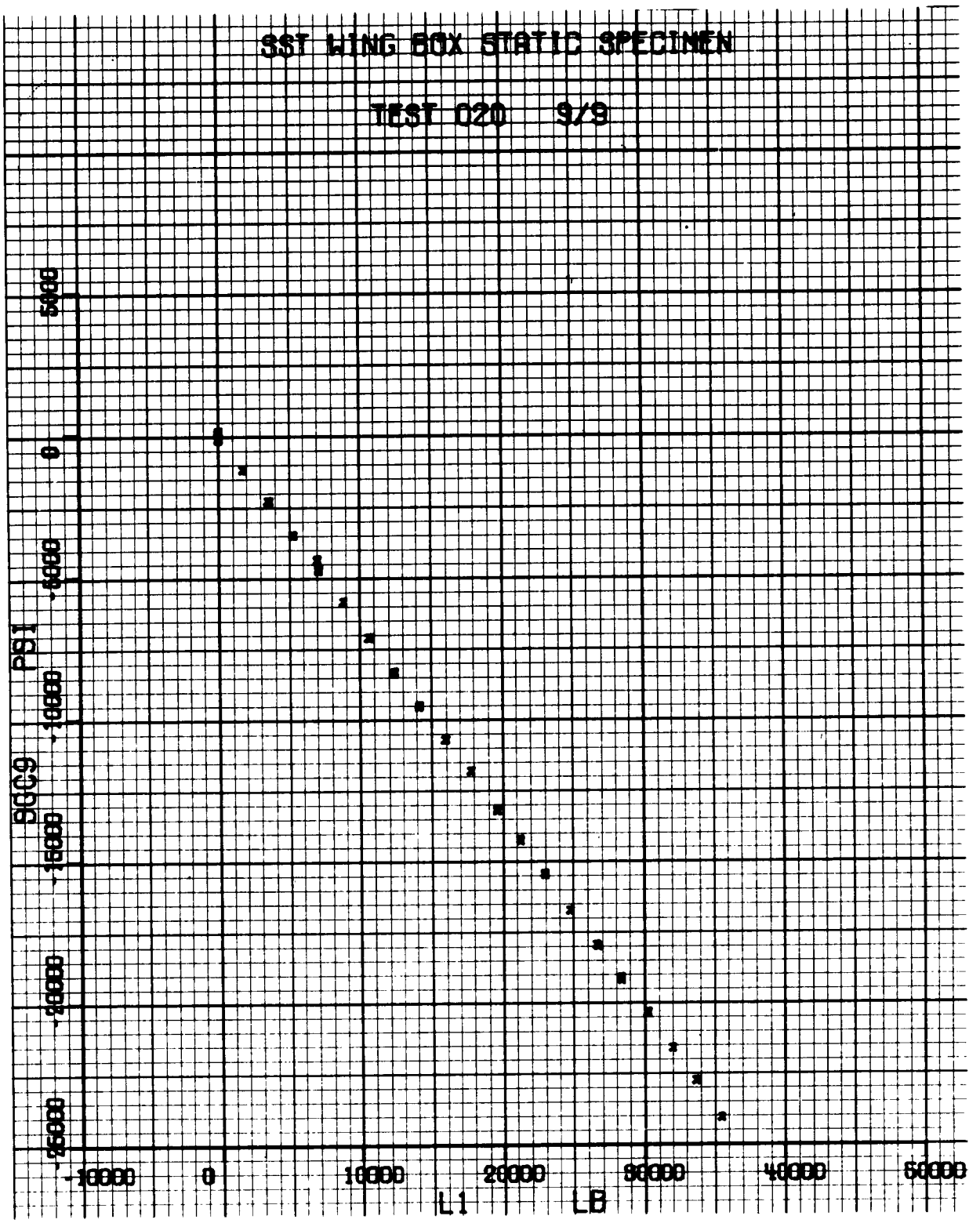
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGG9 PSI
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-20000
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-10000
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10000
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40000
50000
L1
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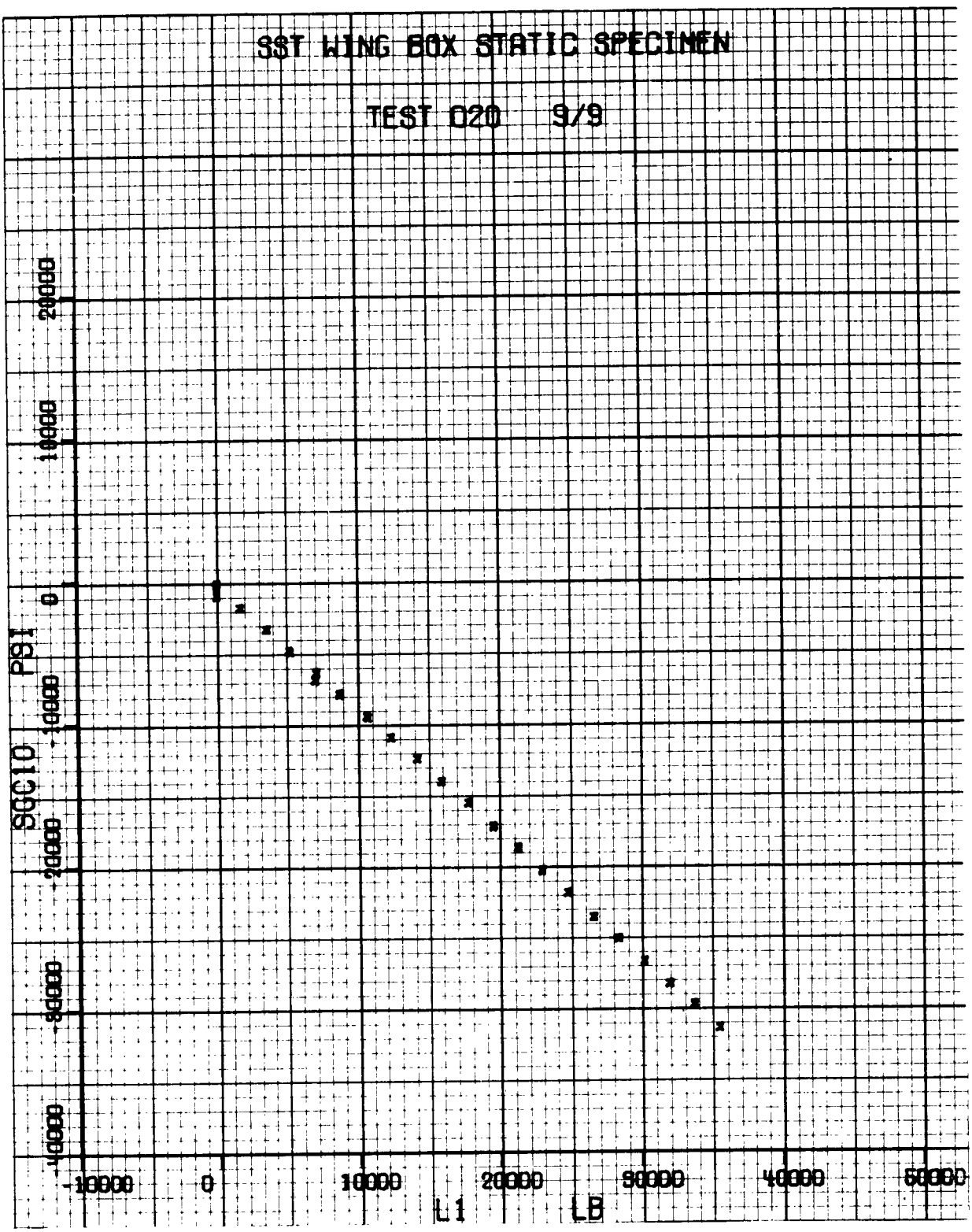
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG10 PSI
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-30000
-40000
-10000
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50000
L1
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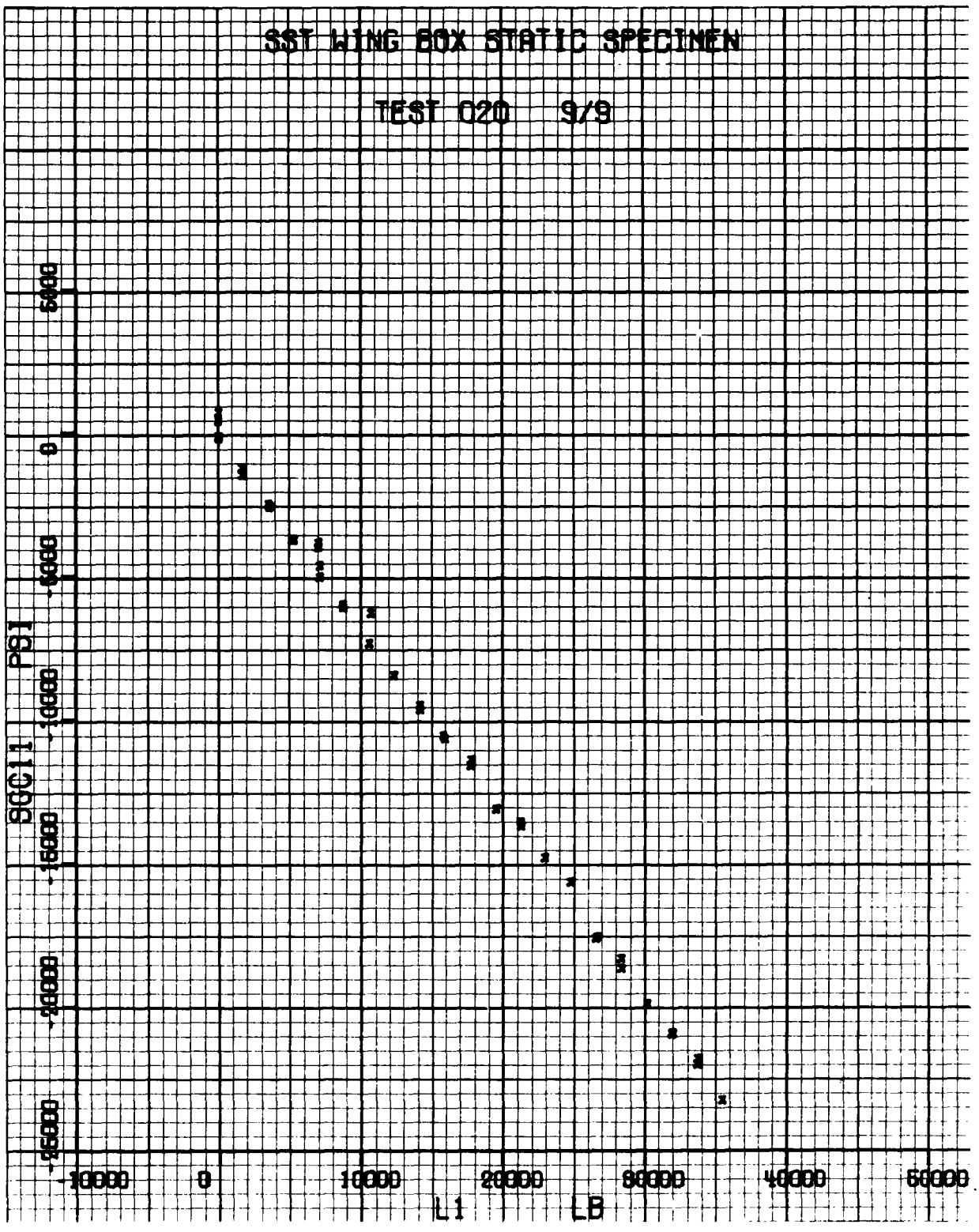
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGC11 PSI
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-16000
-20000
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-10000
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20000
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50000
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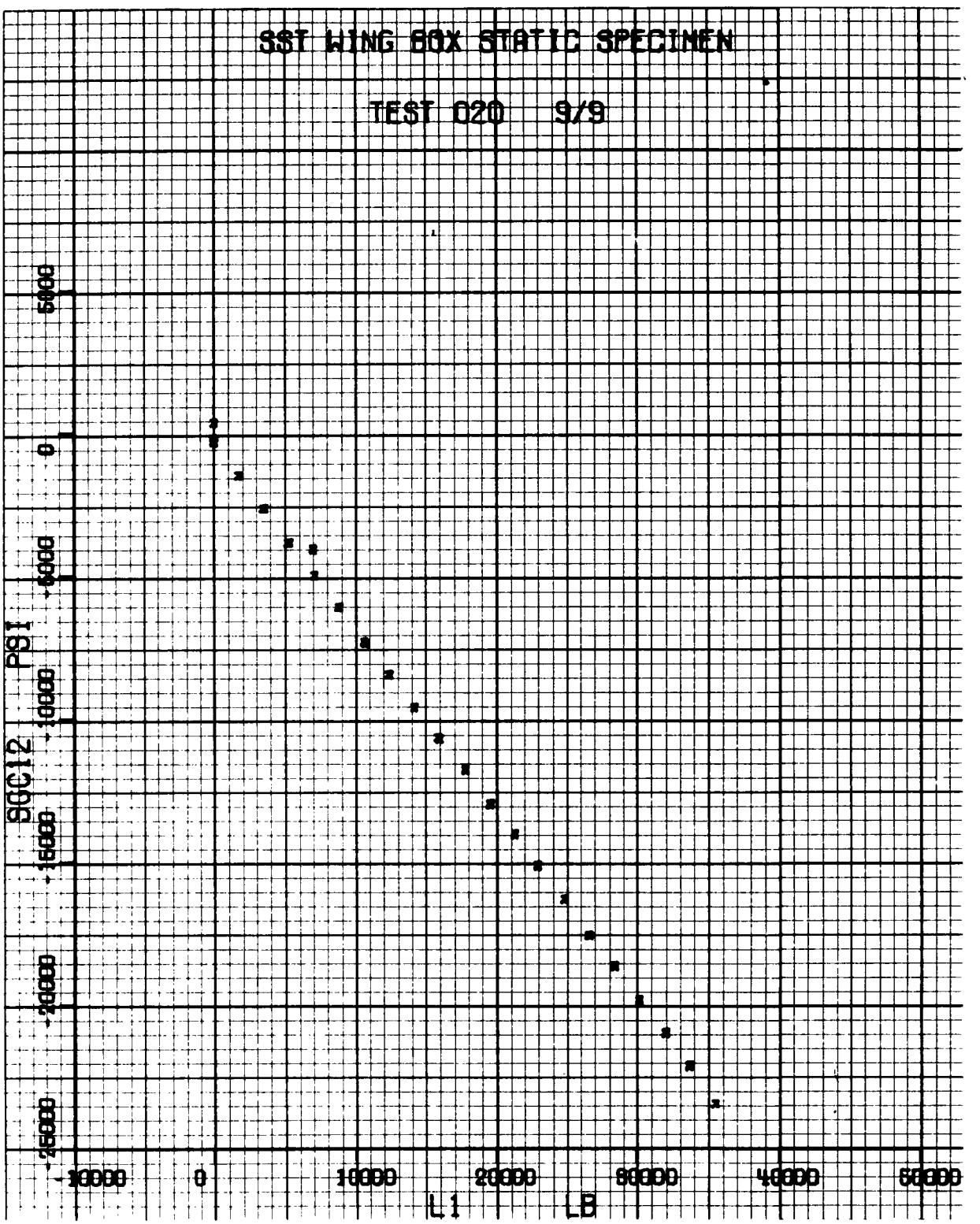
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGC12 PSI
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-20000
-25000
-10000
0
10000
20000
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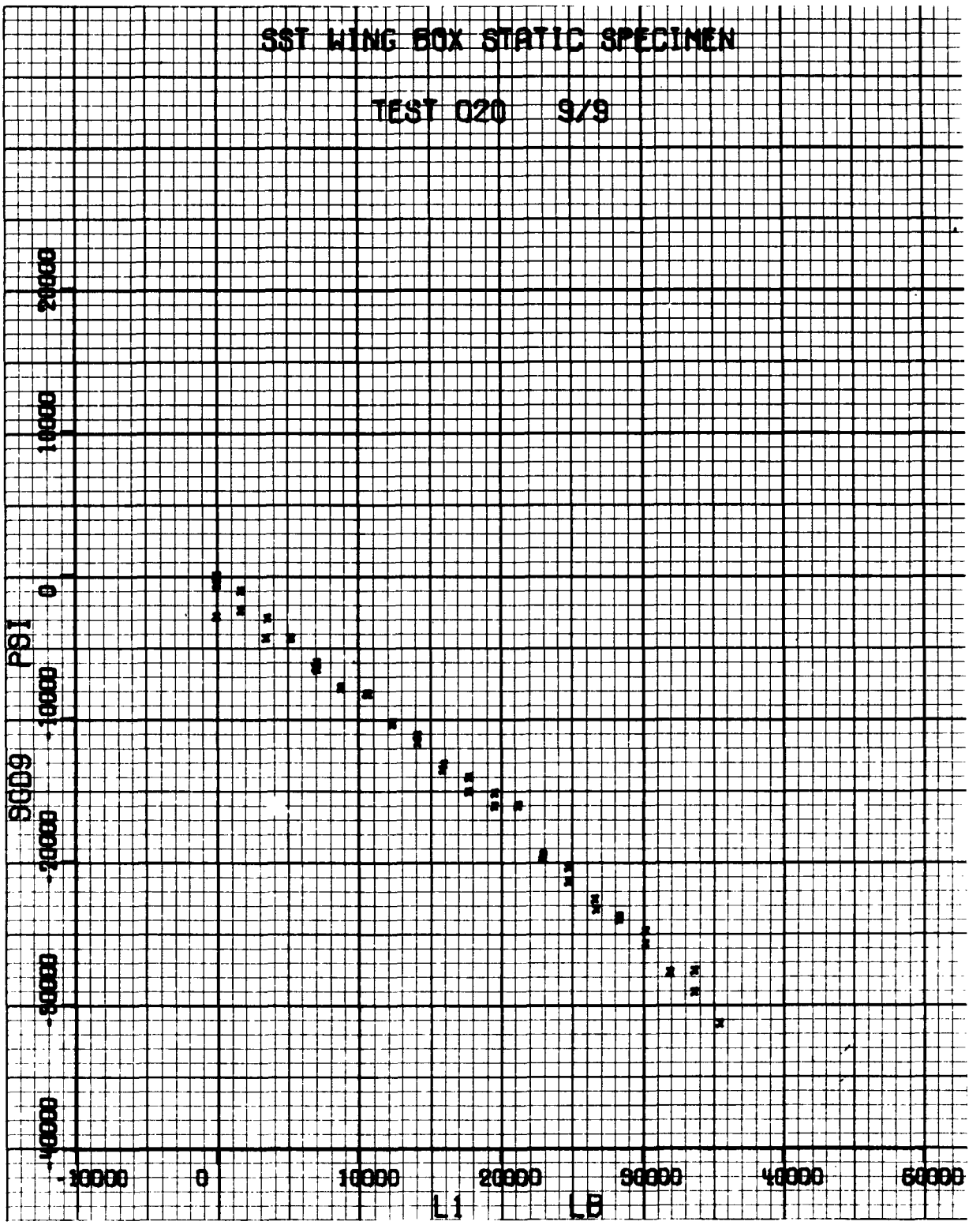
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
GAGE PSI
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50000
L1
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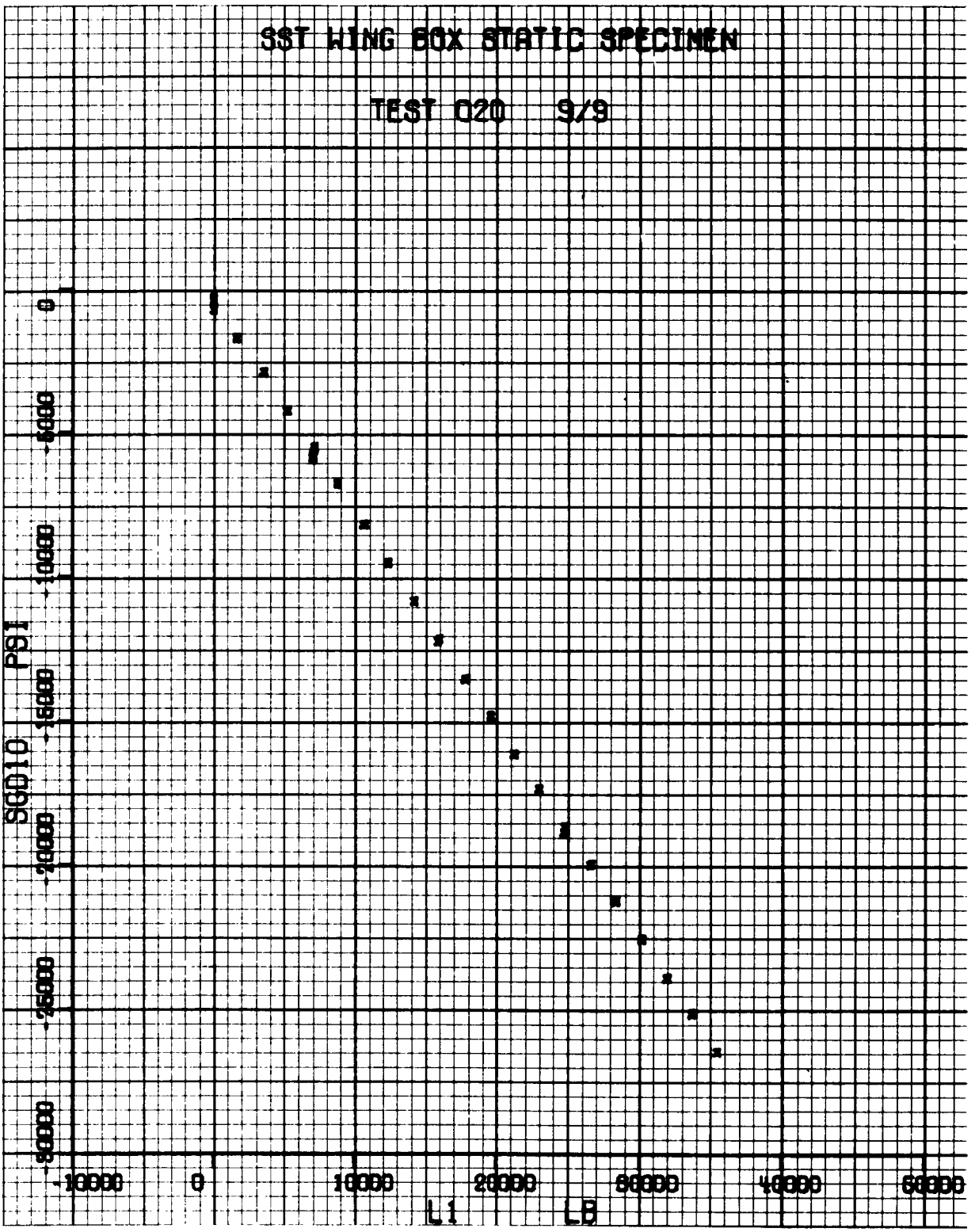
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG010 PSI
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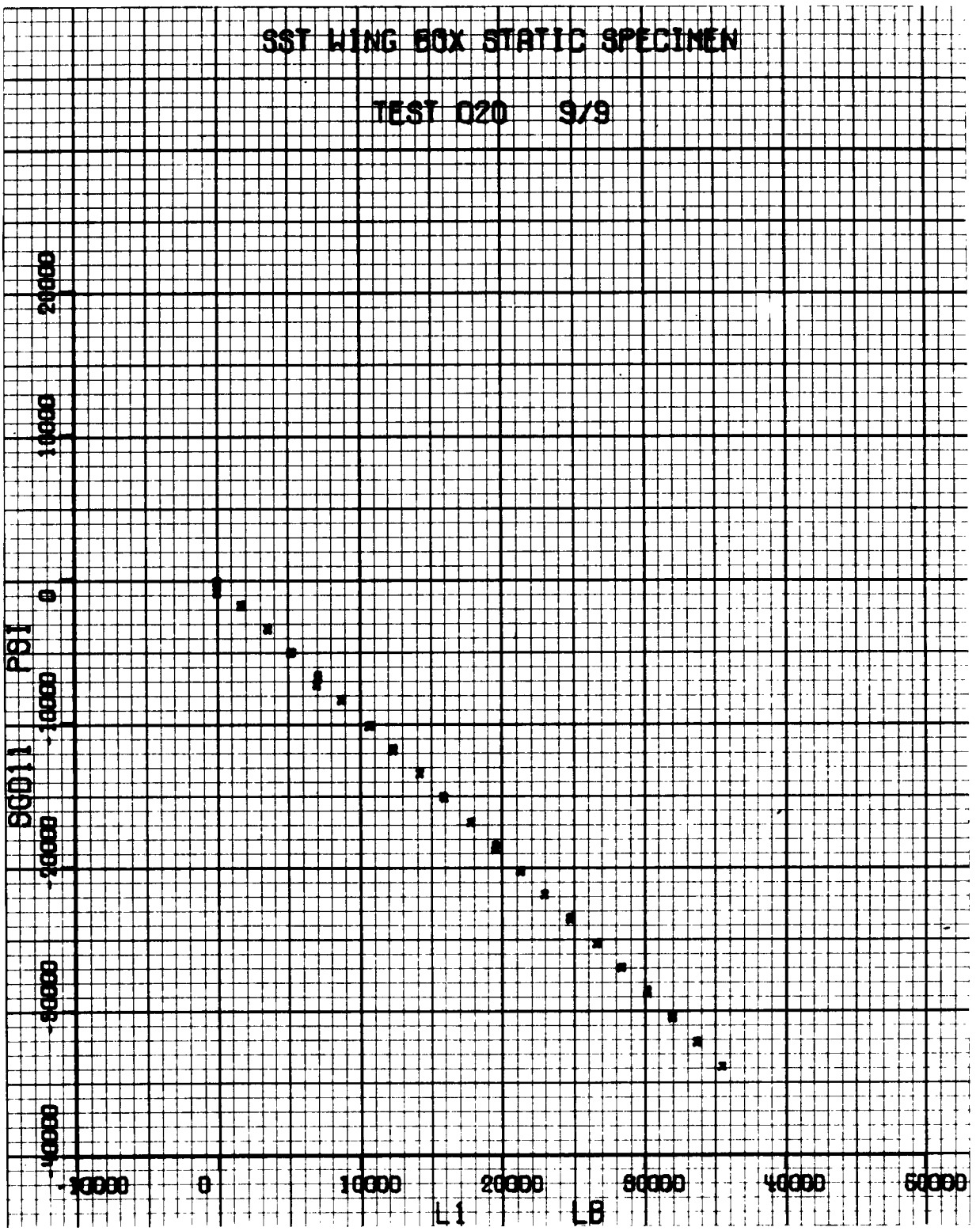
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG11 PSI
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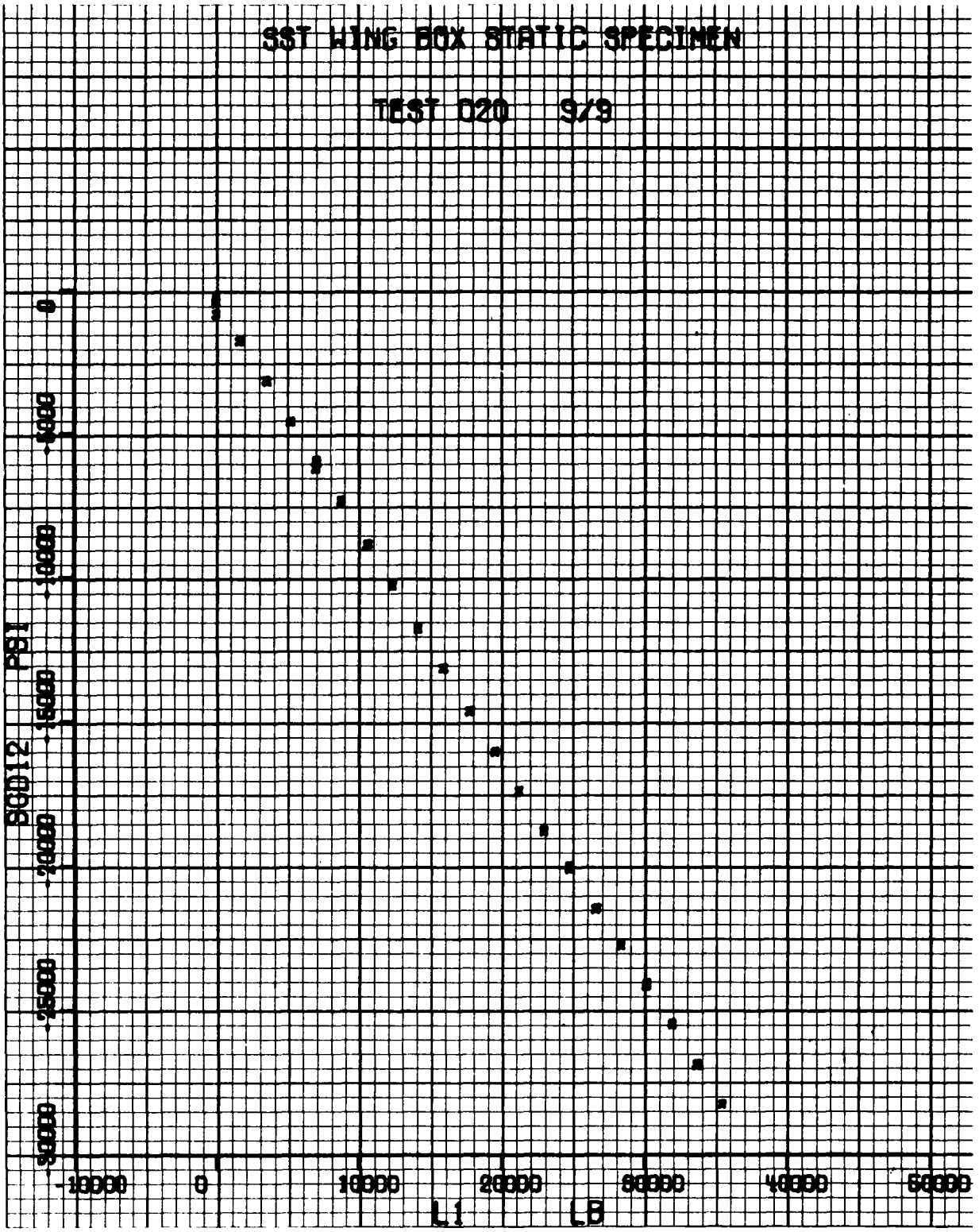
0
10000
20000
30000
40000
50000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
0
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-10000
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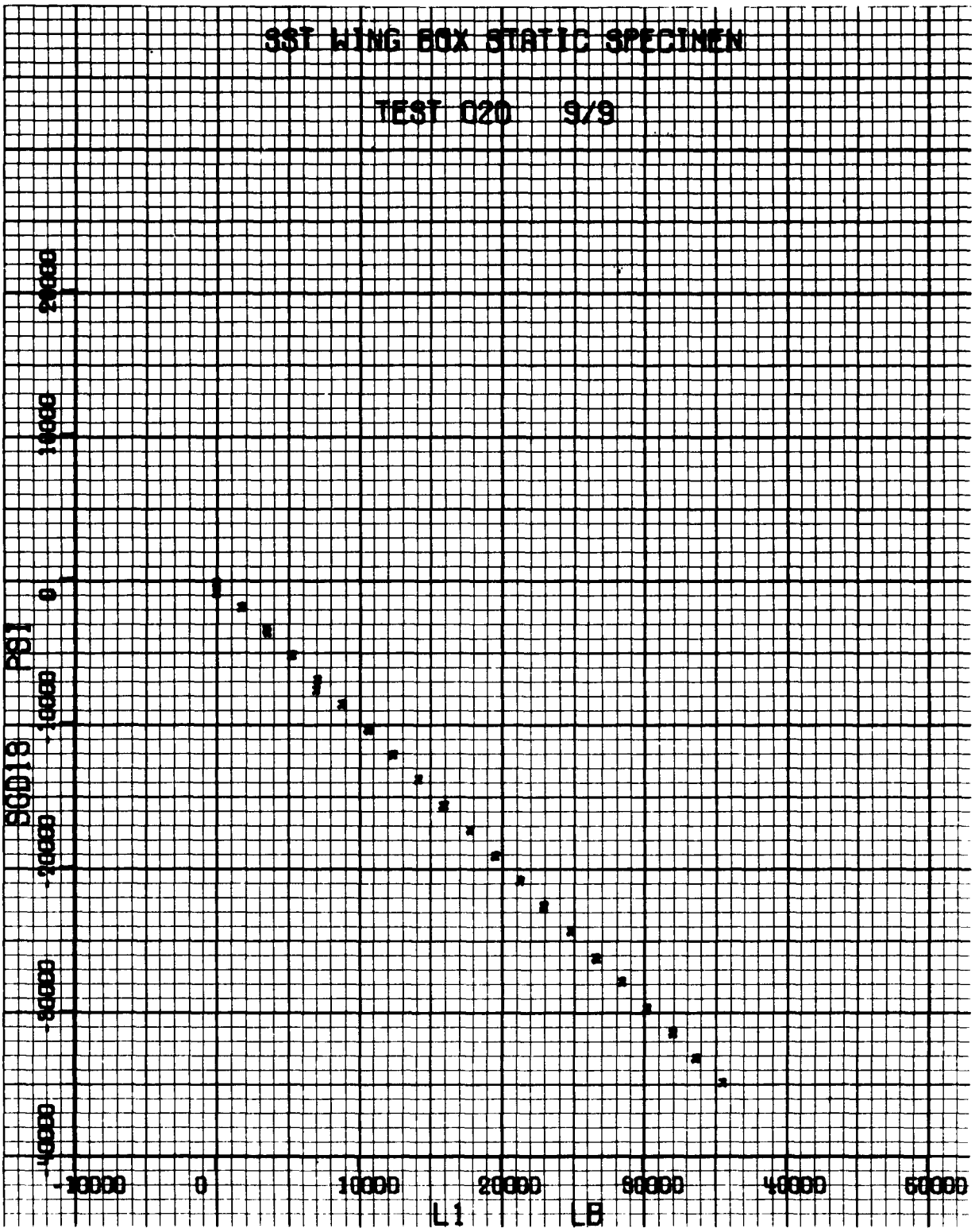
-20000
-25000
-30000
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG018 PSI
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10000
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LI
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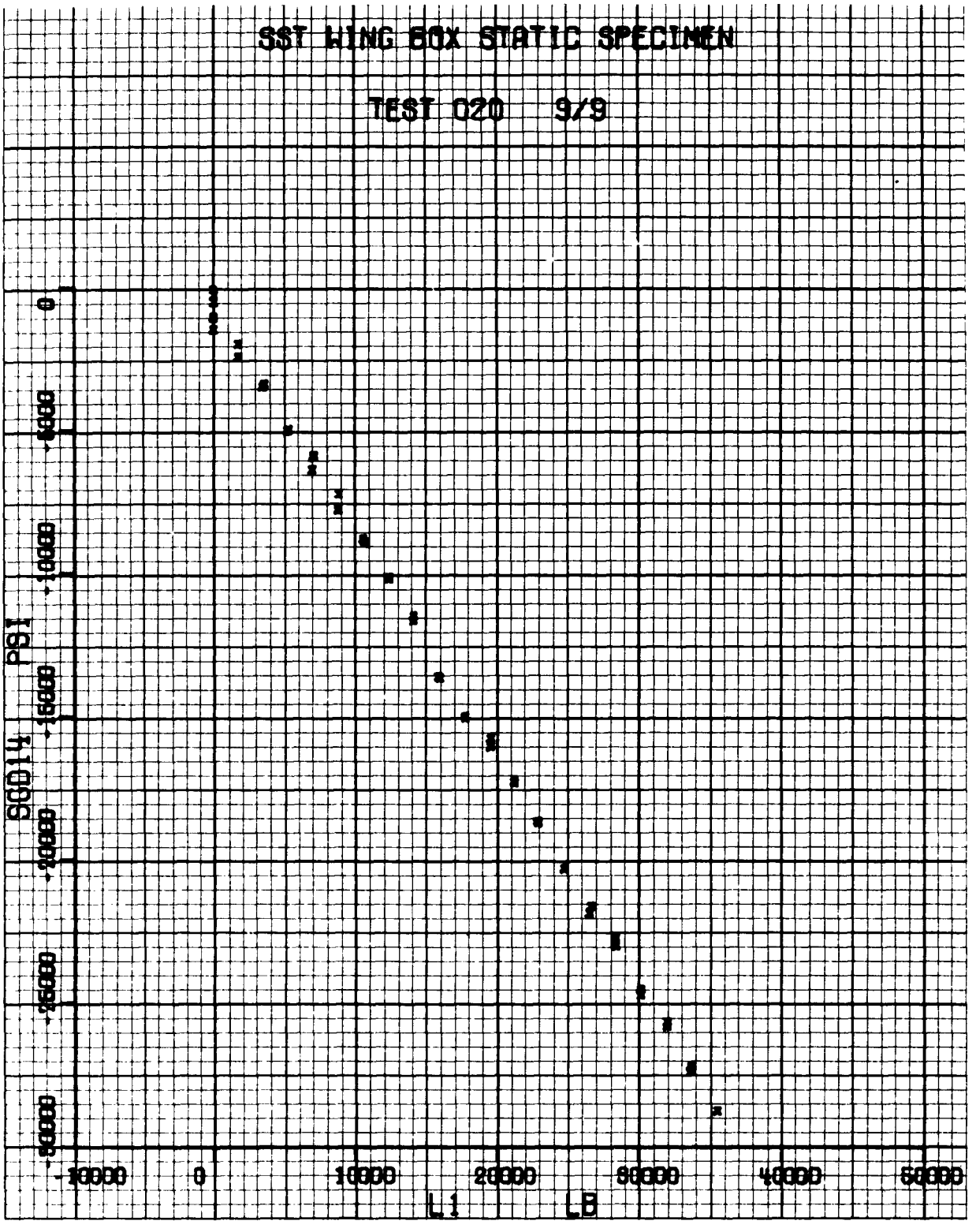
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
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SG014
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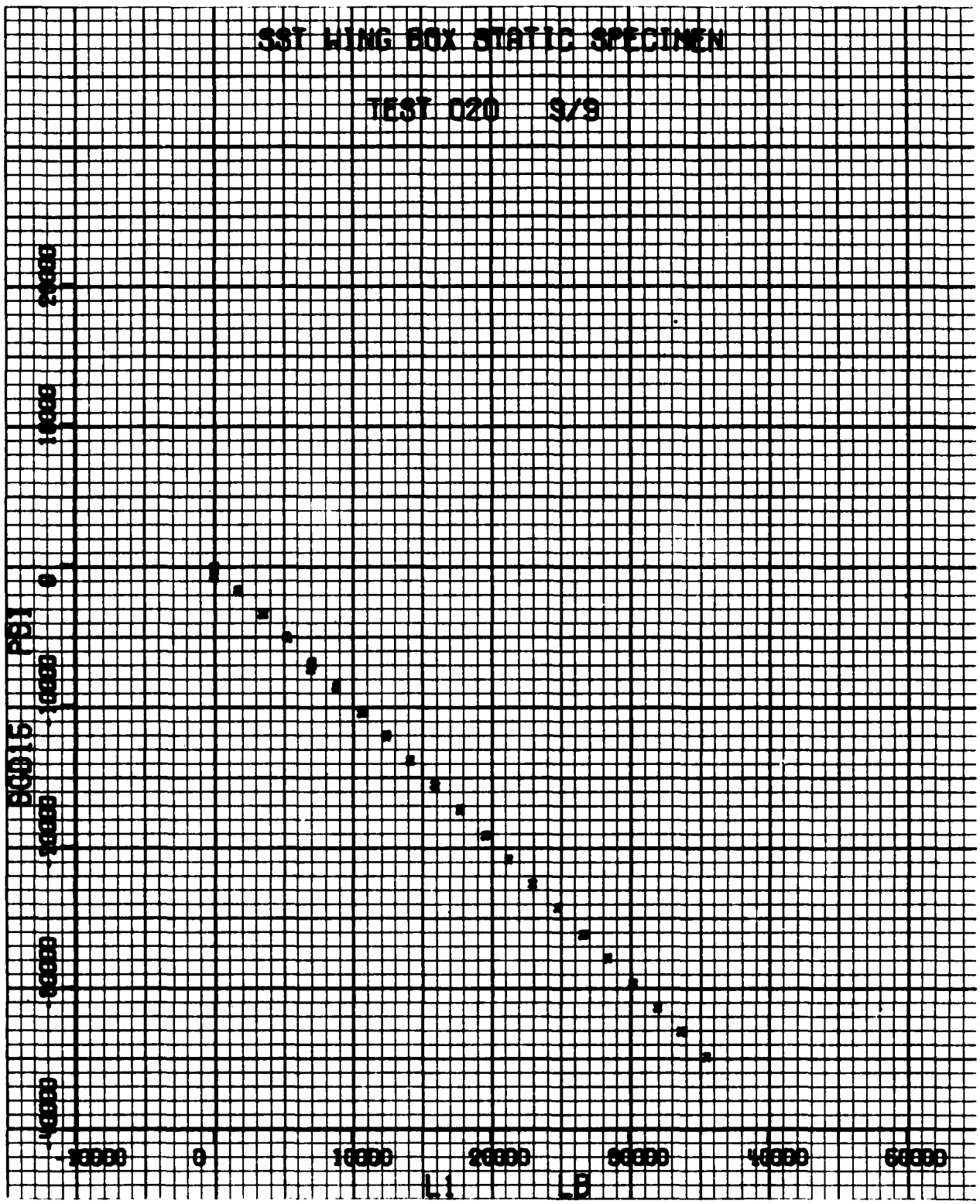
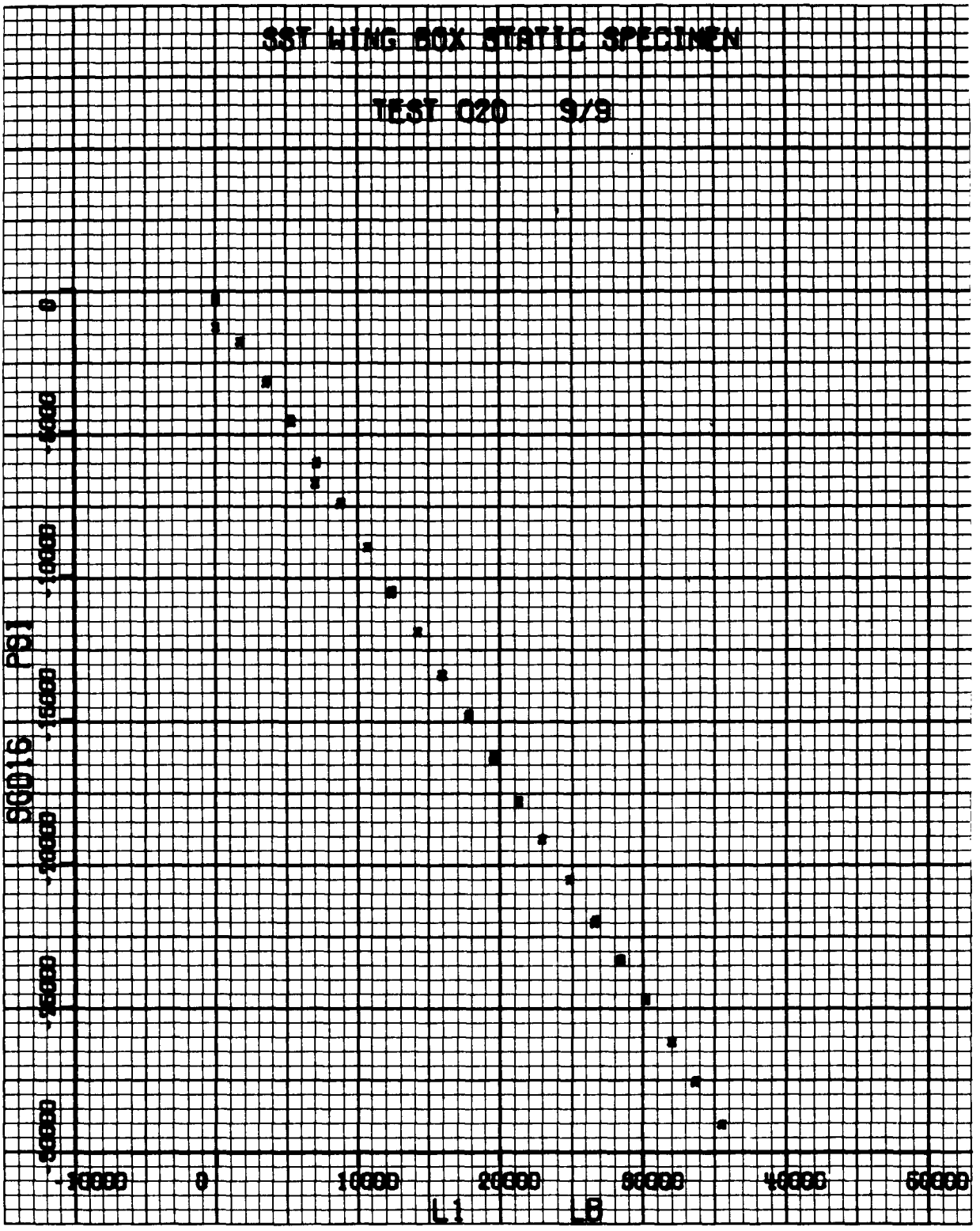
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
BOOM
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG016 PSI
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-8000
-12000
-16000
-20000
-24000
-28000
-32000
-10000
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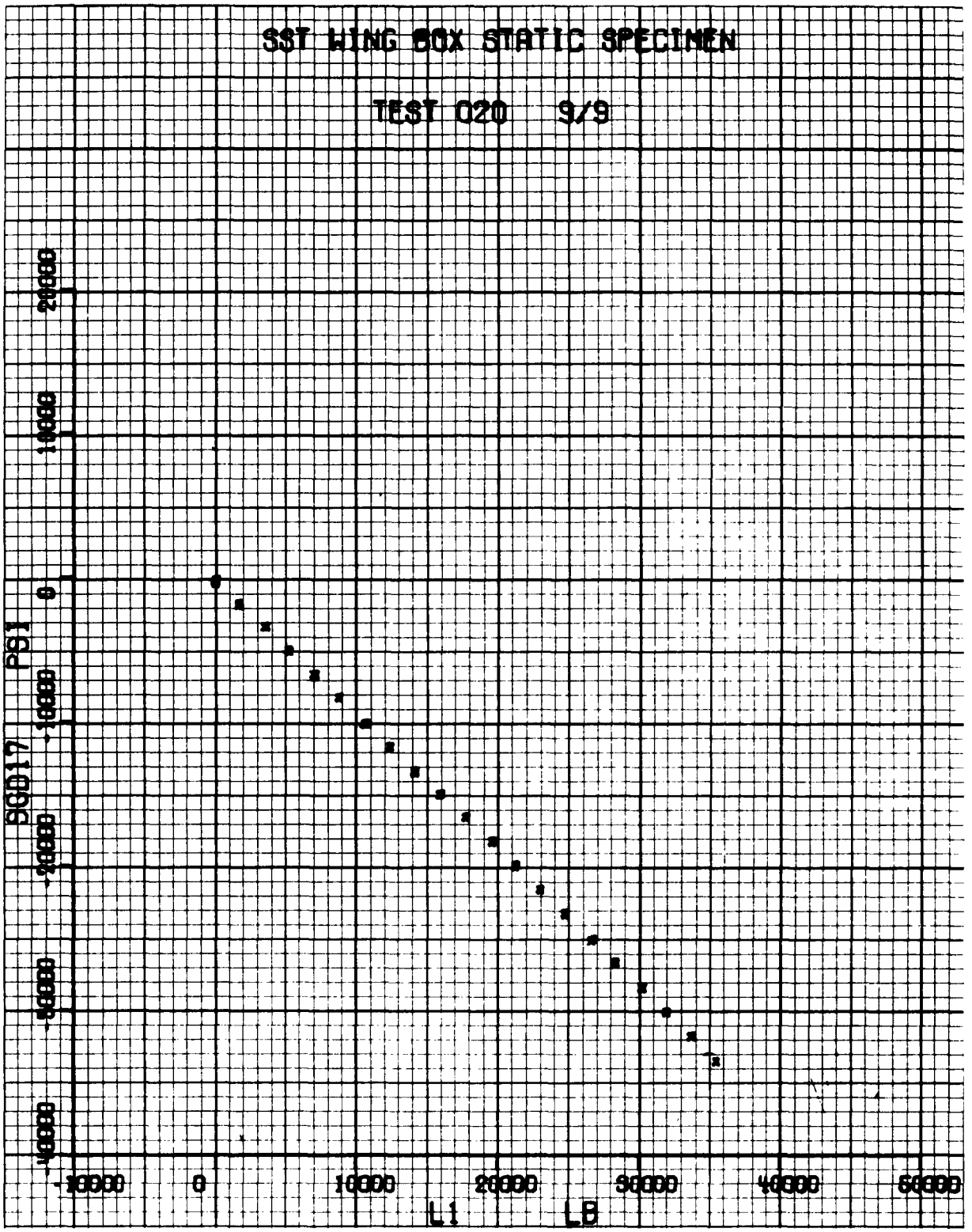
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG017 PSI
-10000
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10000
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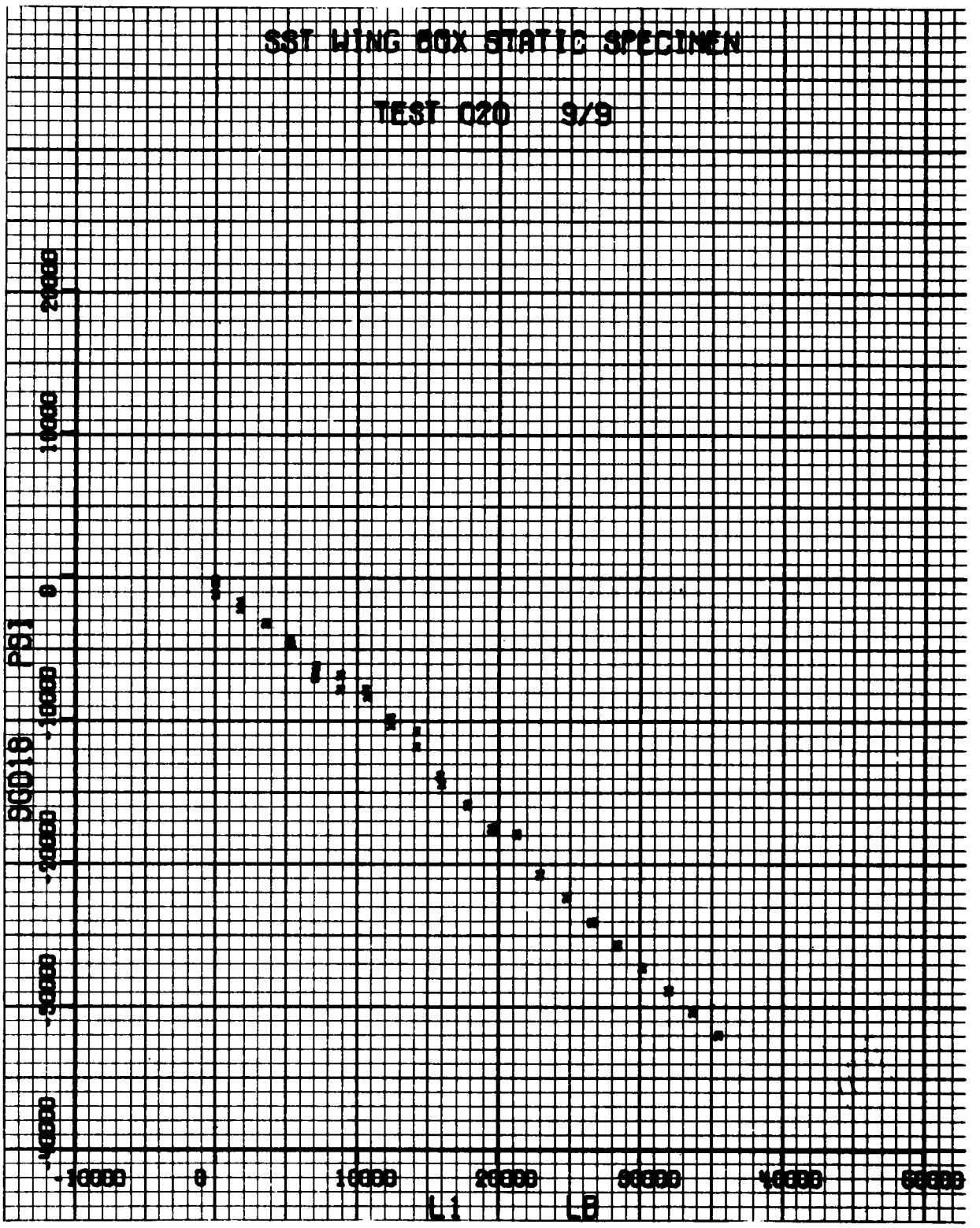
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
P91
90018
20000
10000
0
-10000
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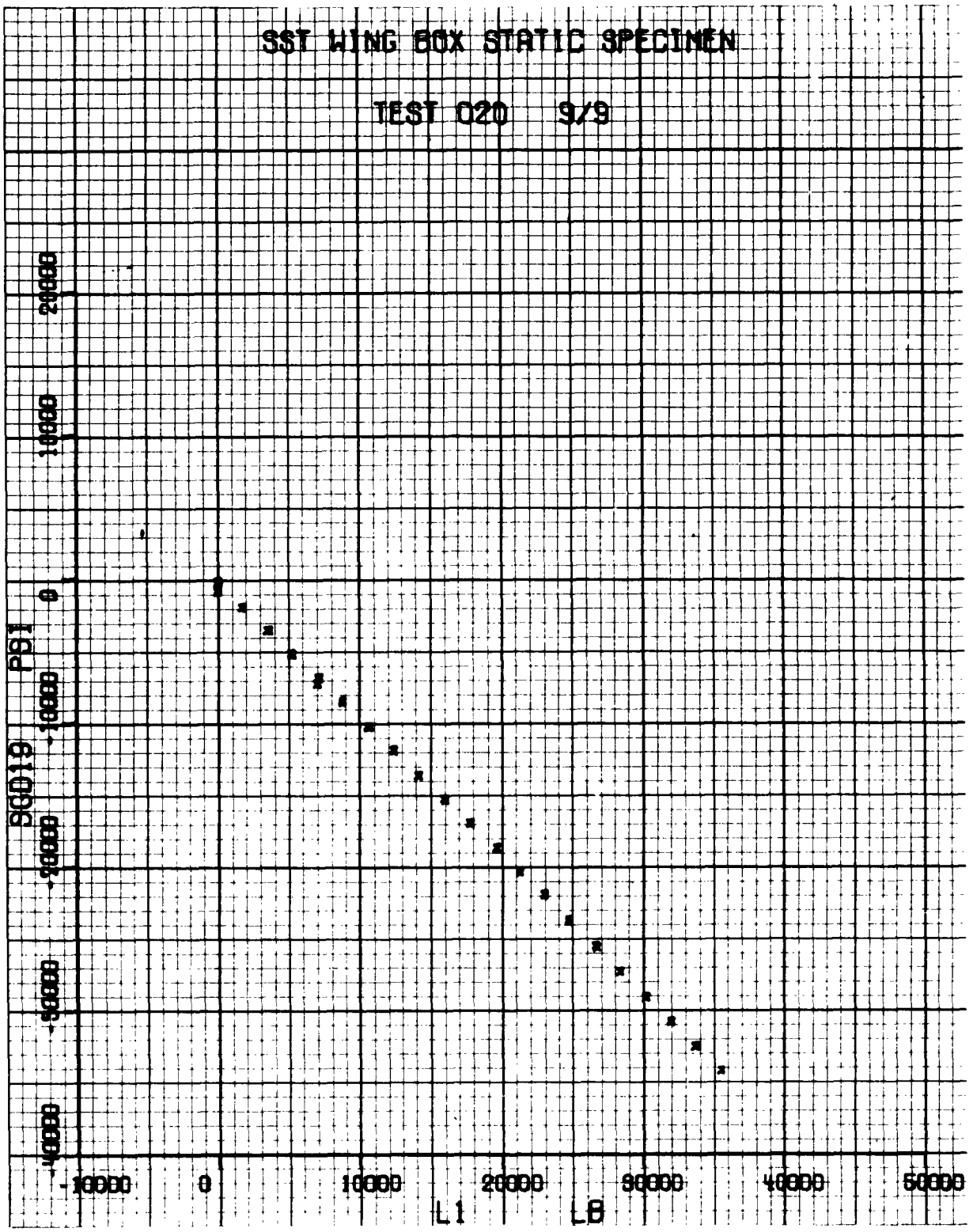
-30000
-40000
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGD19 PSI
20000
10000
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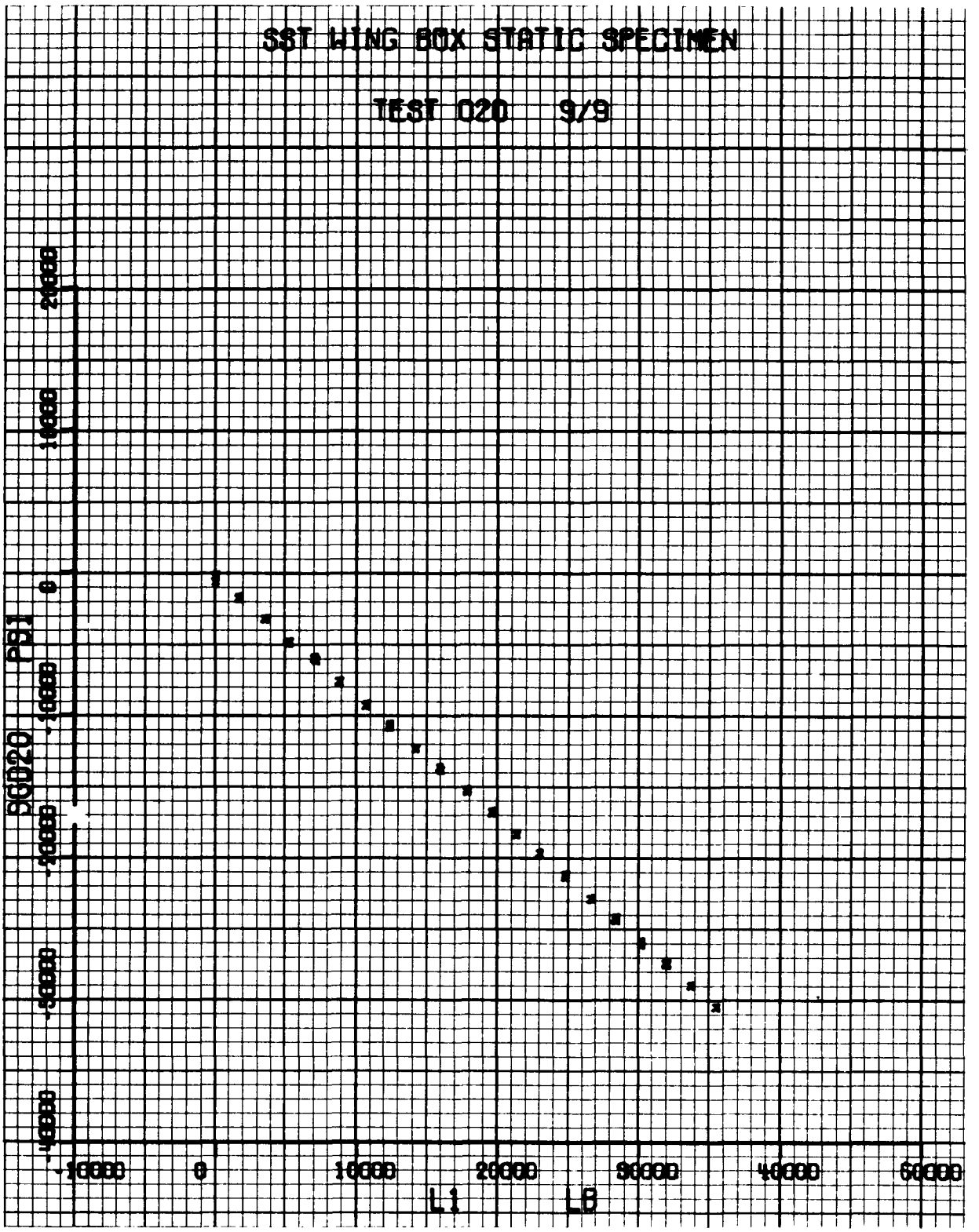
-20000
-30000
-40000
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
PGD20
20000
10000
0
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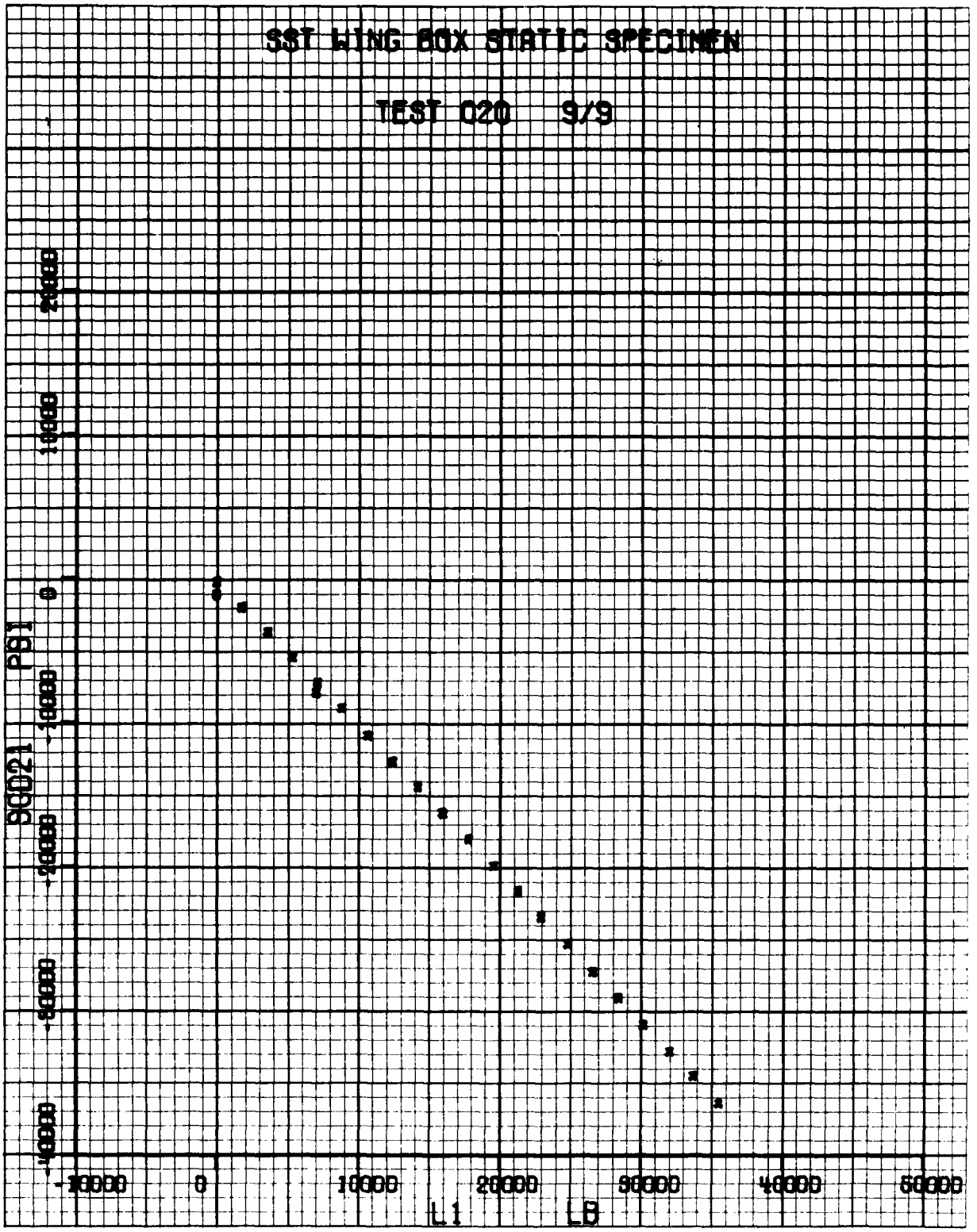
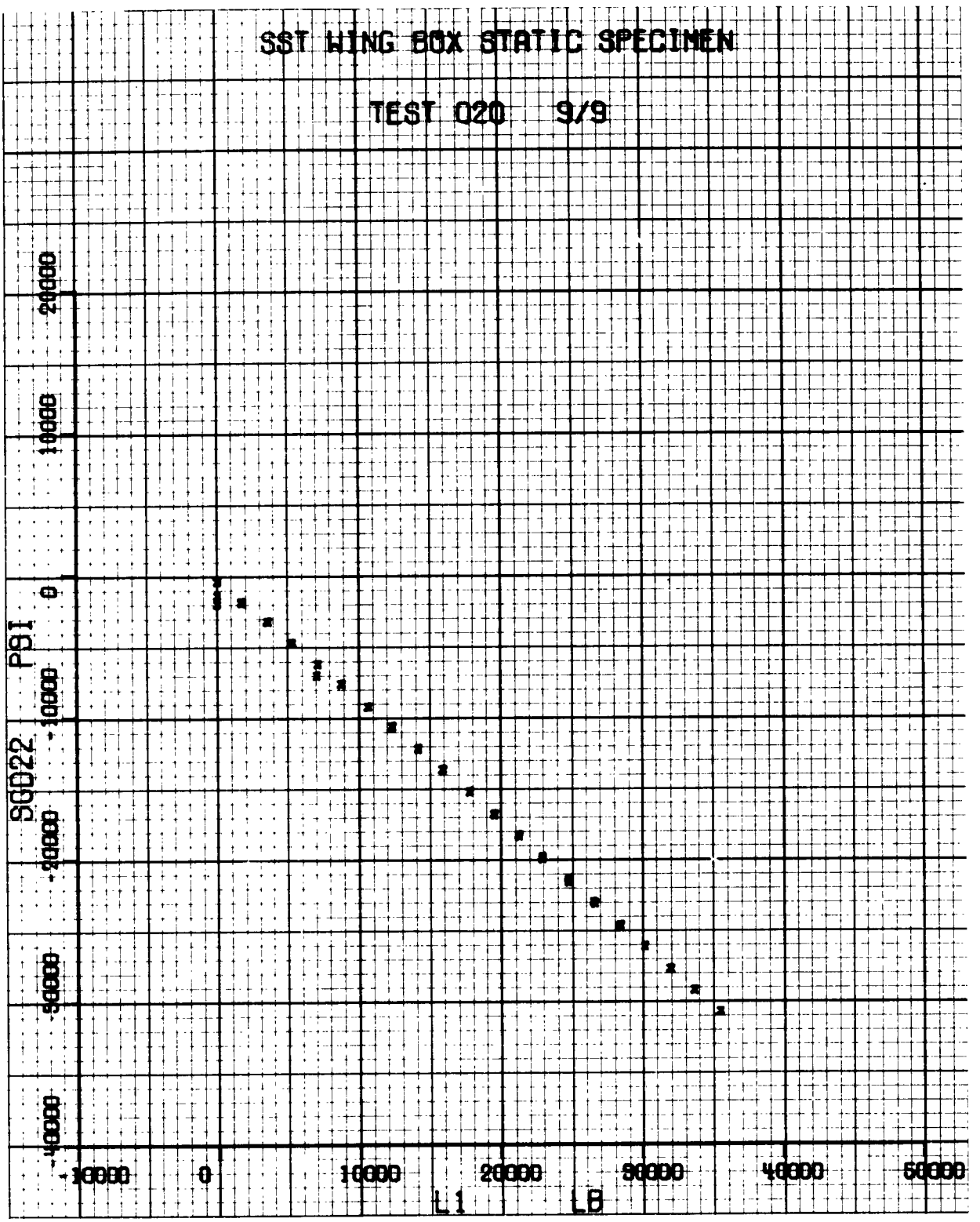
-20000
-30000
-40000
-10000
0
10000
20000
30000
40000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
90021 PSI
20000
10000
0
-10000
-20000
-30000
-40000
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG022 PSI
20000
10000
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-10000
-20000
-30000
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-10000
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10000
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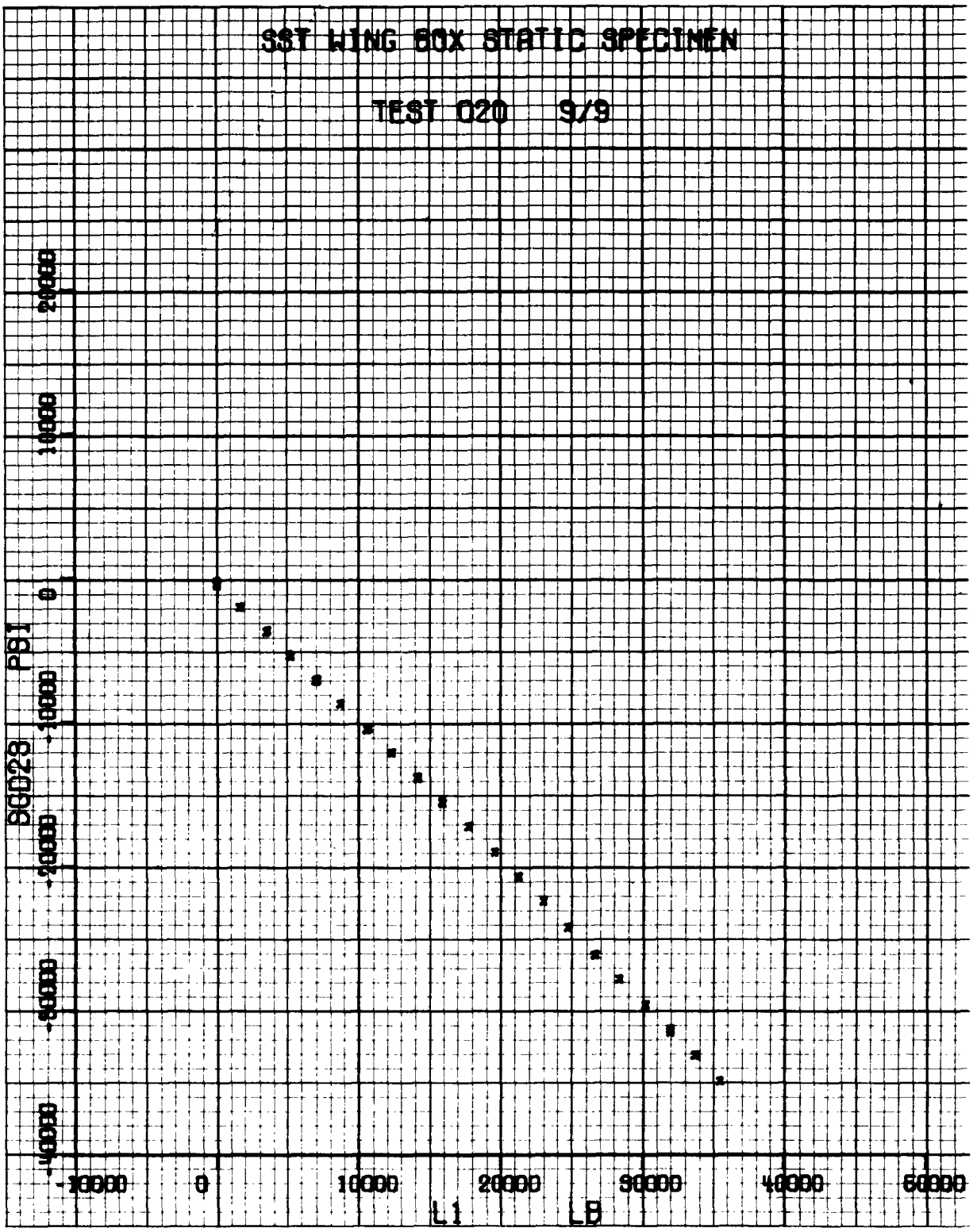
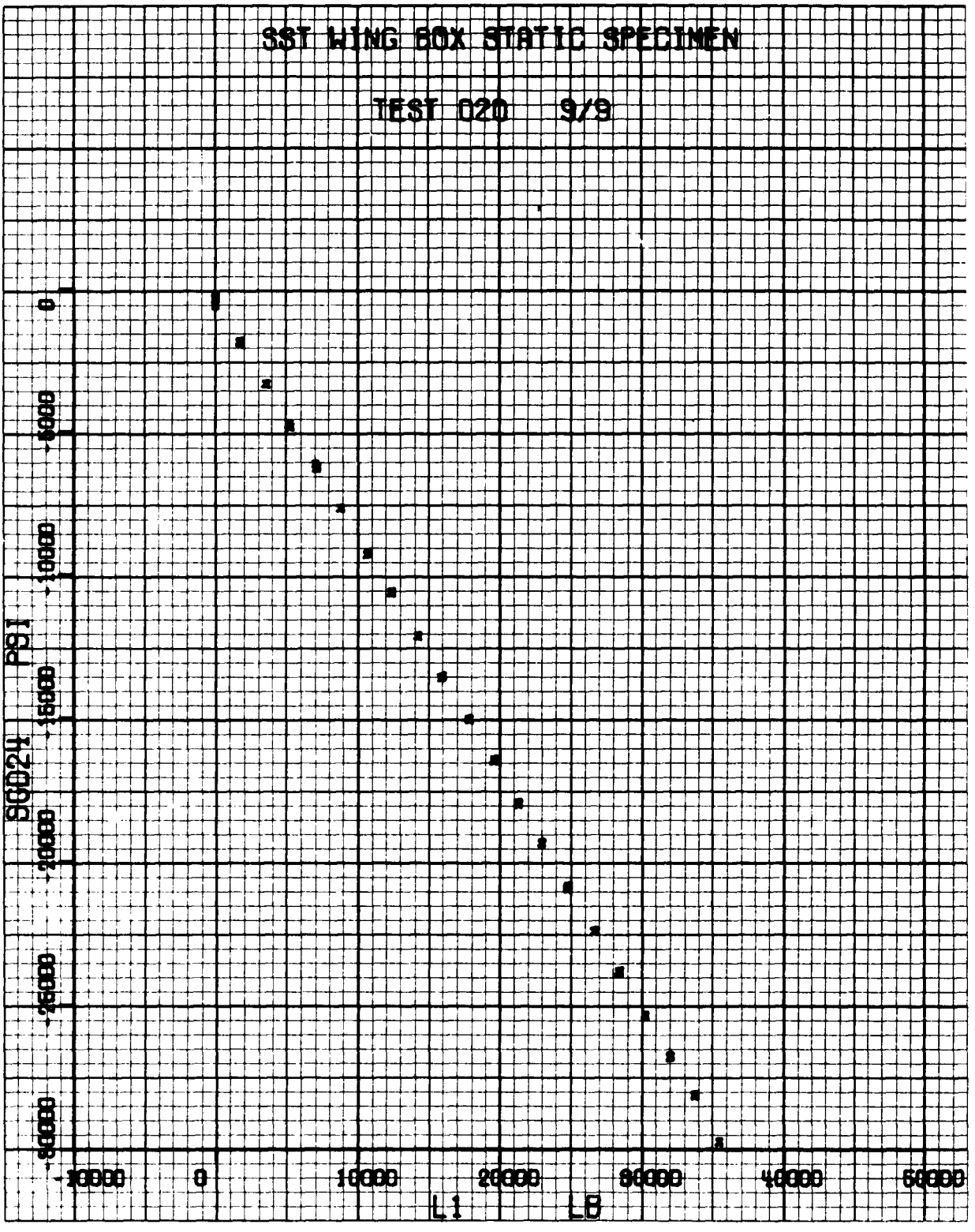
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
P81
96028
20000
10000
0
-10000
-20000
-30000
-40000
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGD24 PSI
0
-1000
-2000
-3000
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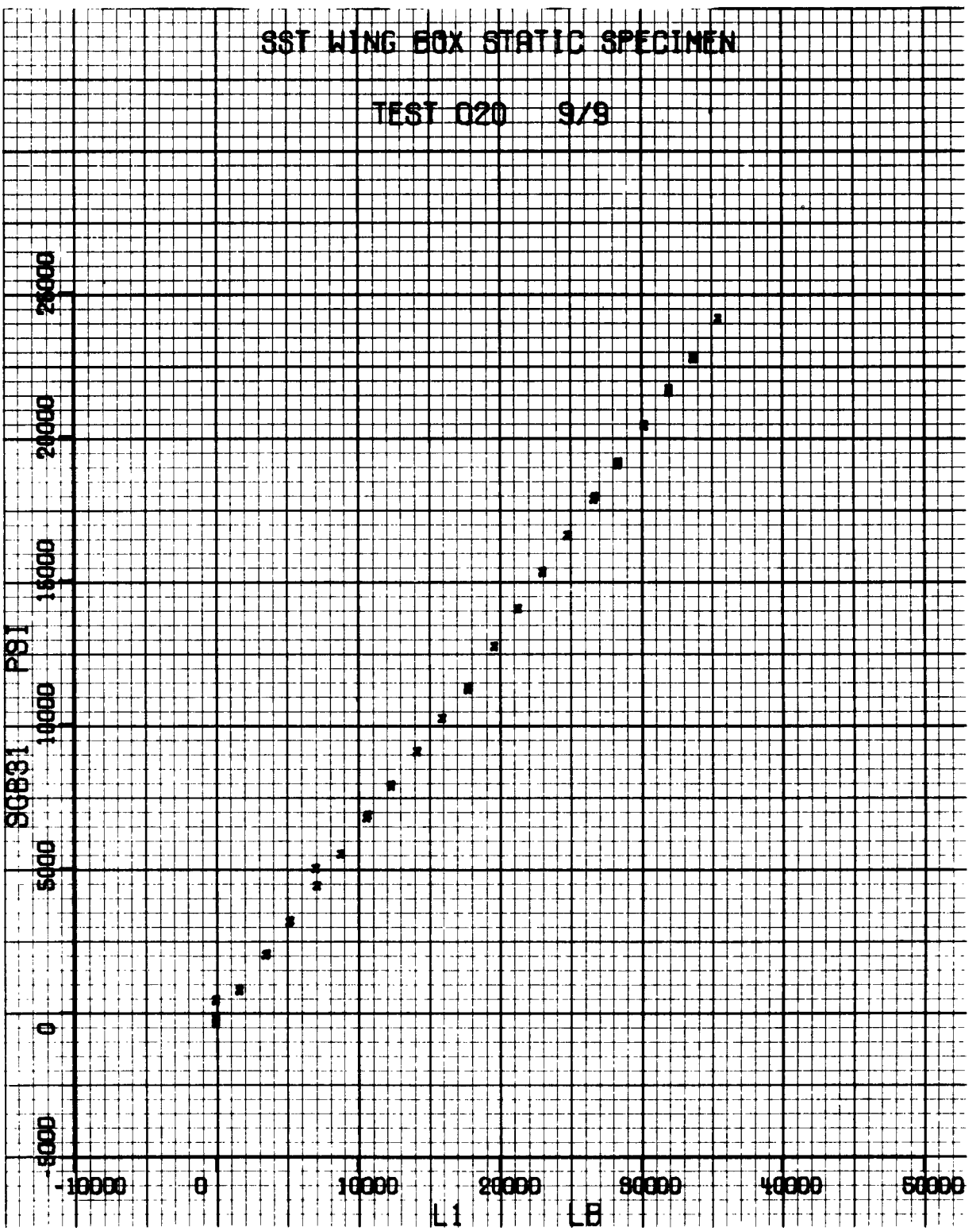
-7000
-8000
-9000
-10000
0
10000
20000
30000
40000
50000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG831 PSI
25000
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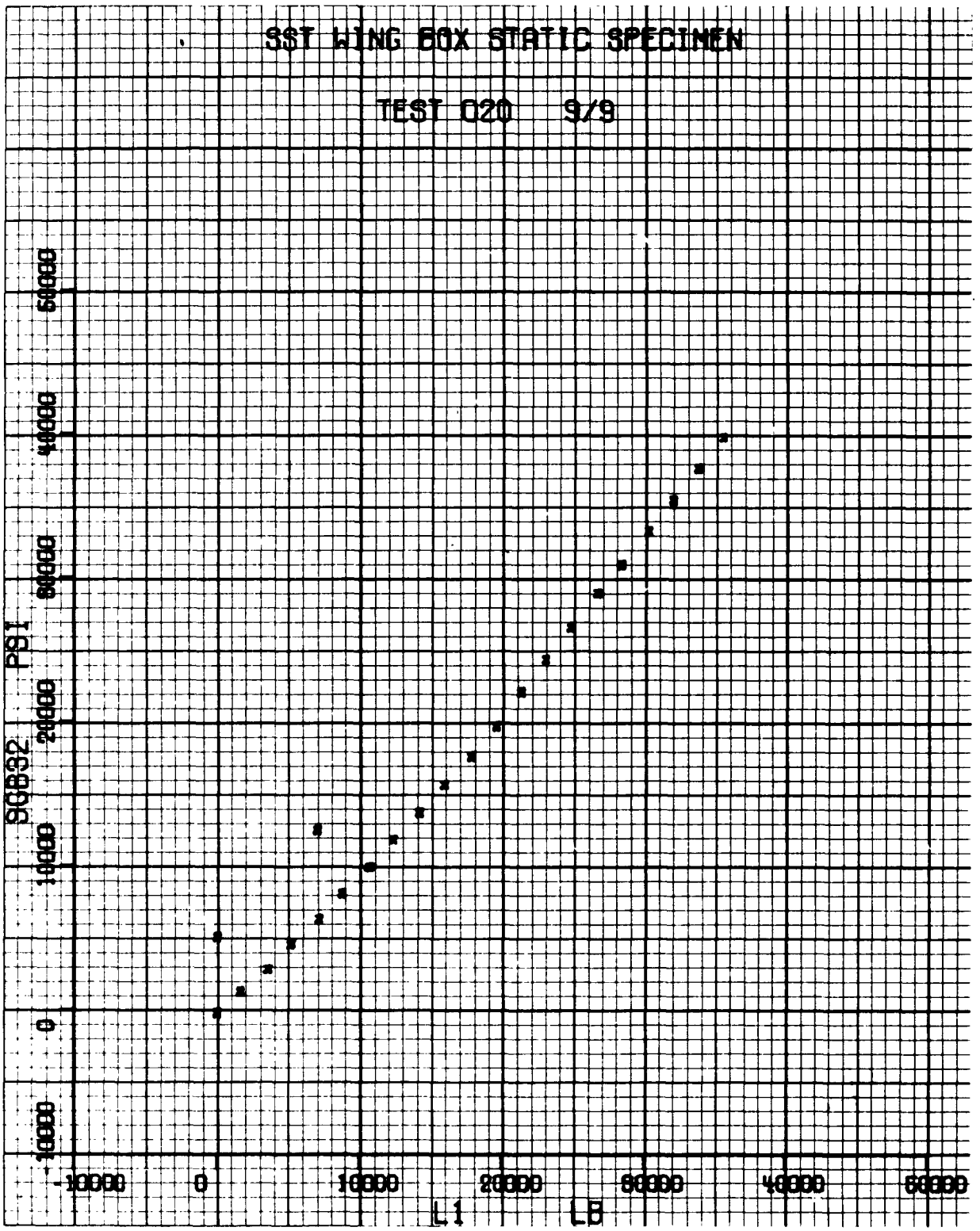
15000
10000
5000
0
-5000
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG632
PSI
60000
40000
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20000
10000
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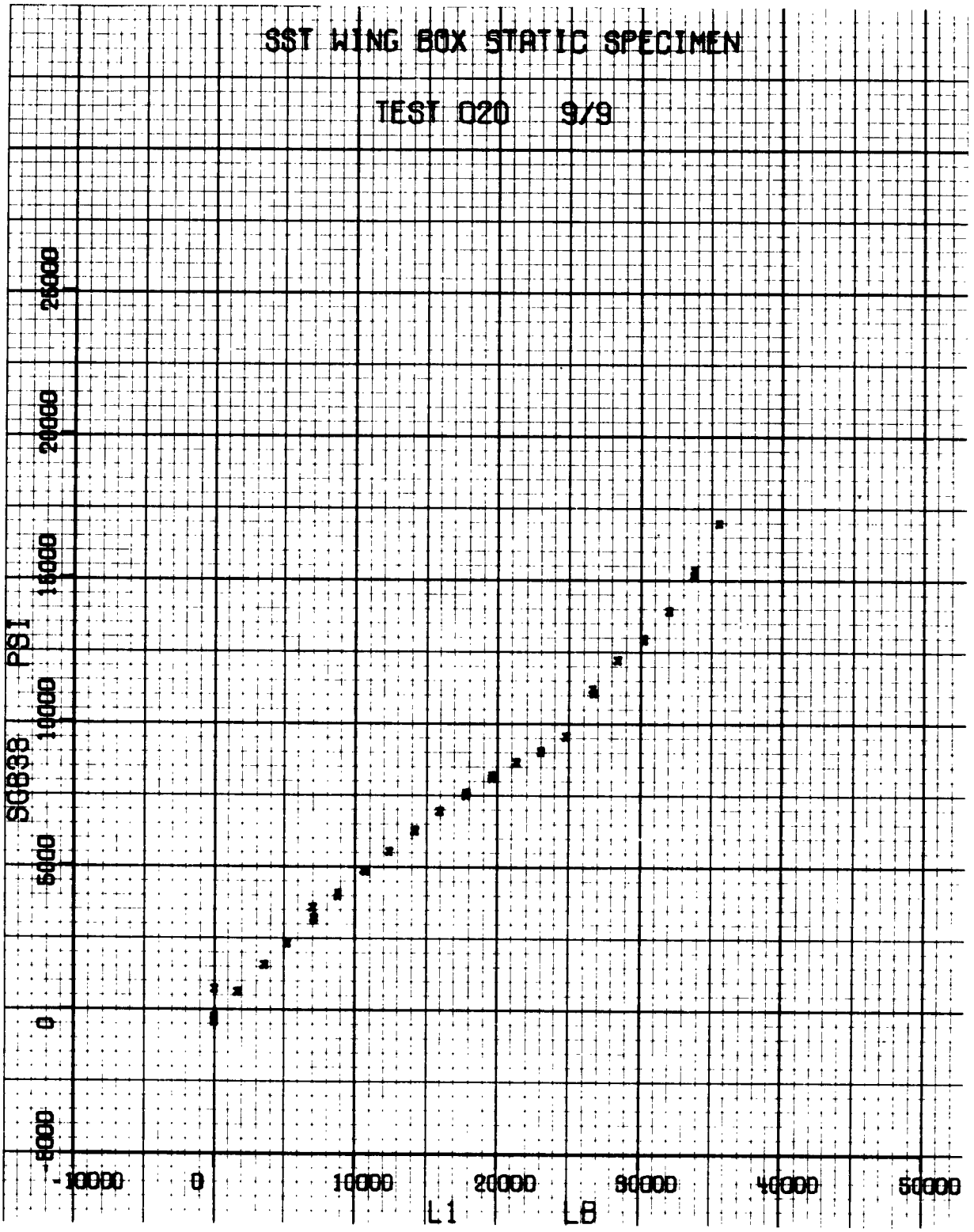
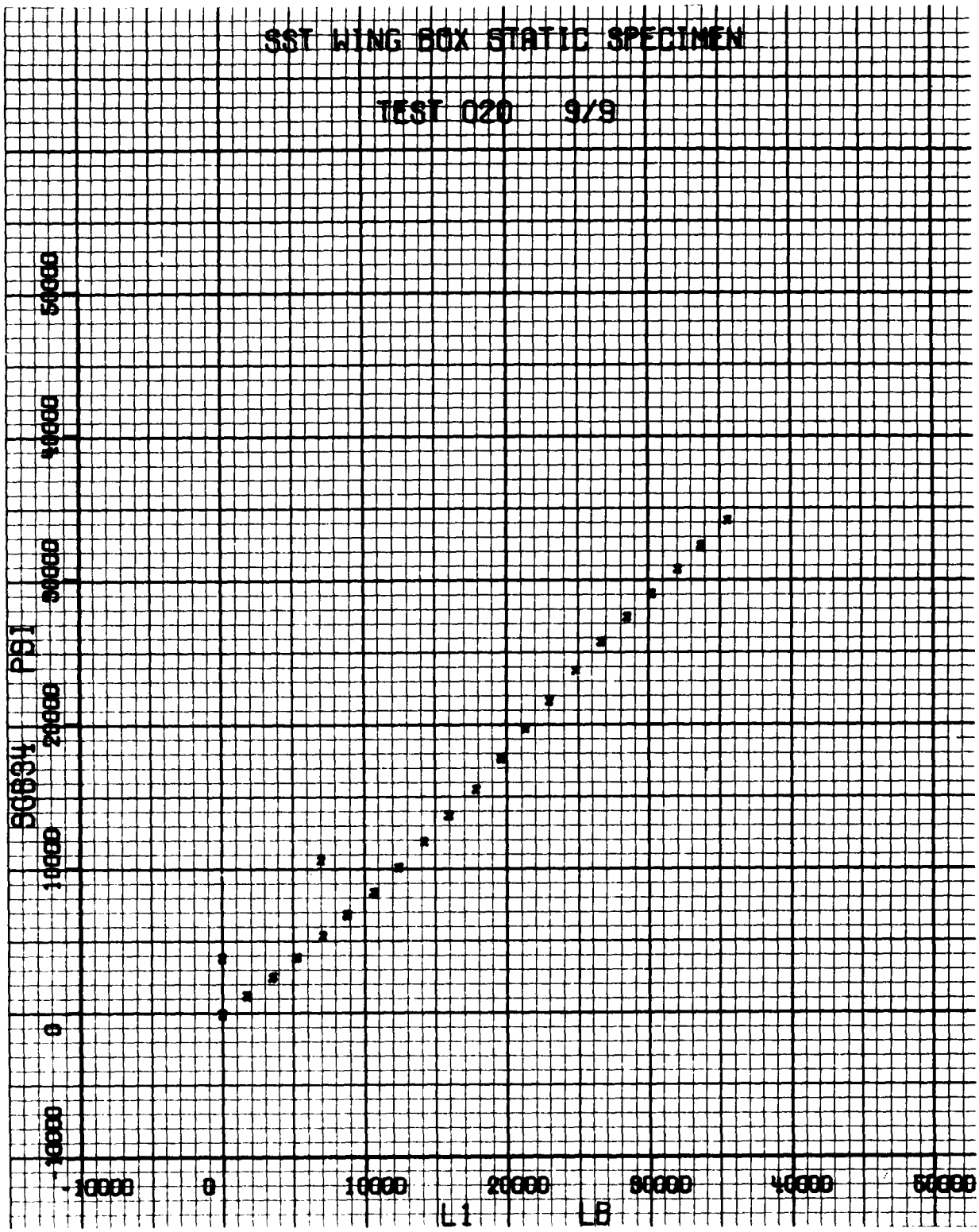
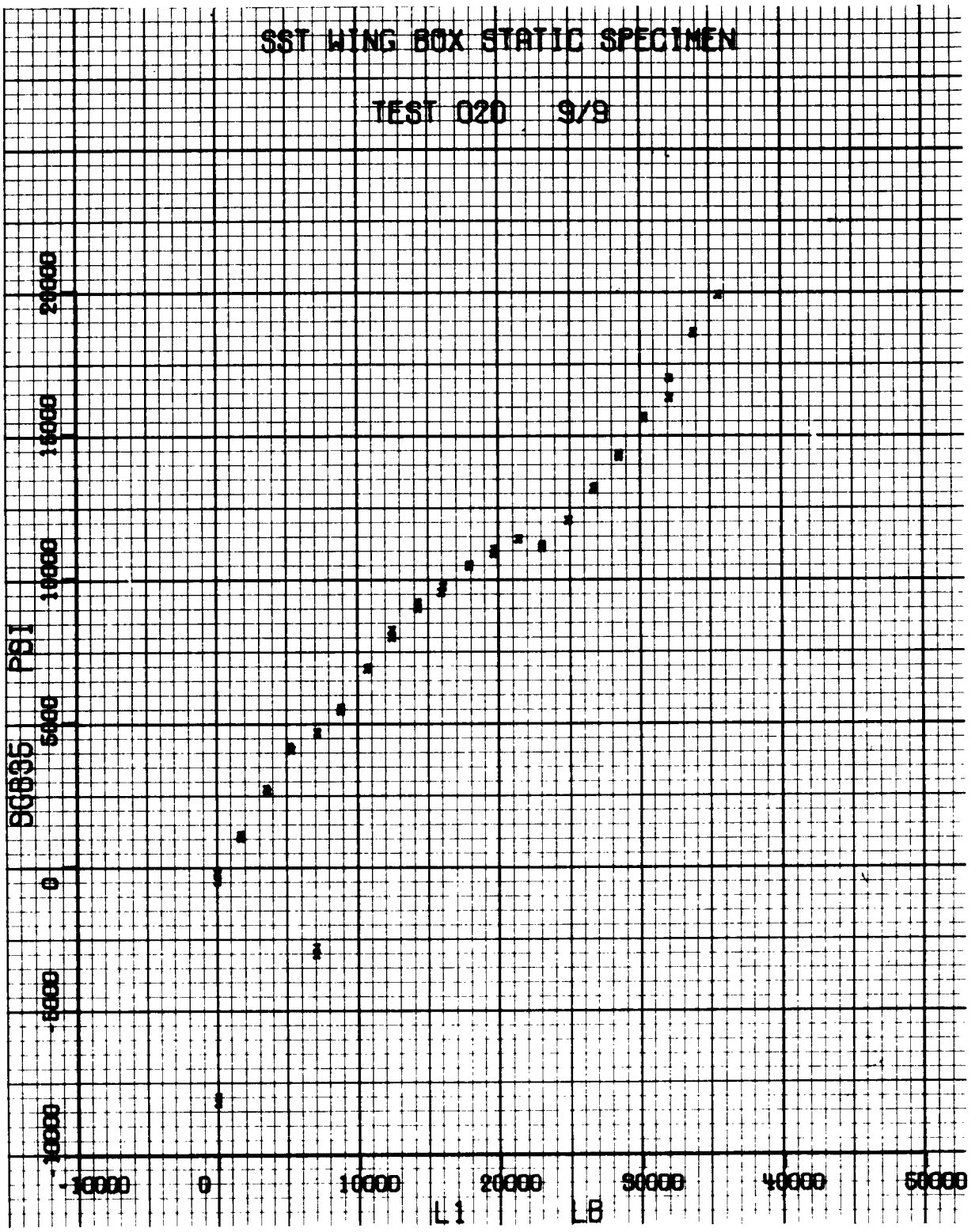
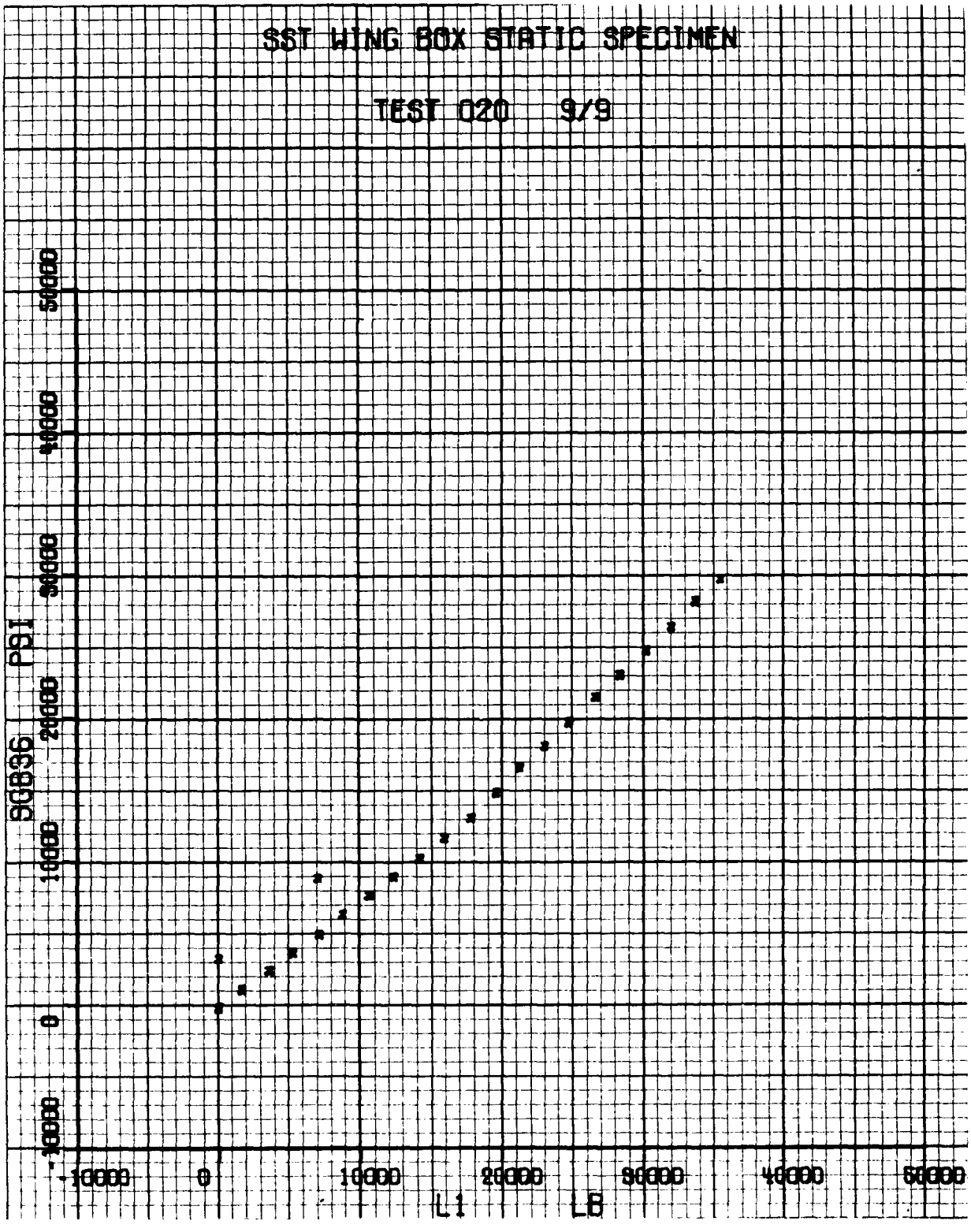
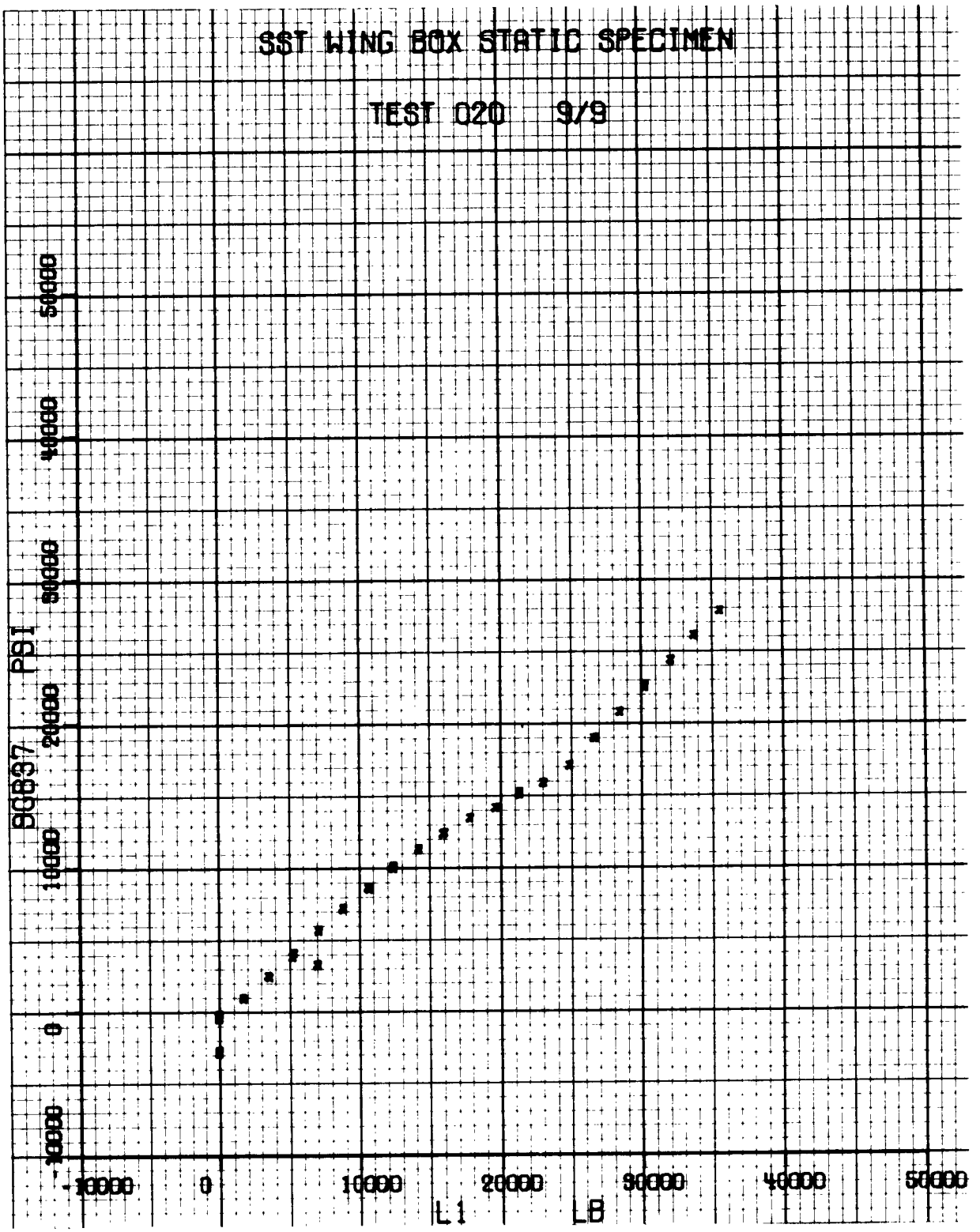
-10000
-10000
0
10000
20000
30000
40000
50000
L1
LB

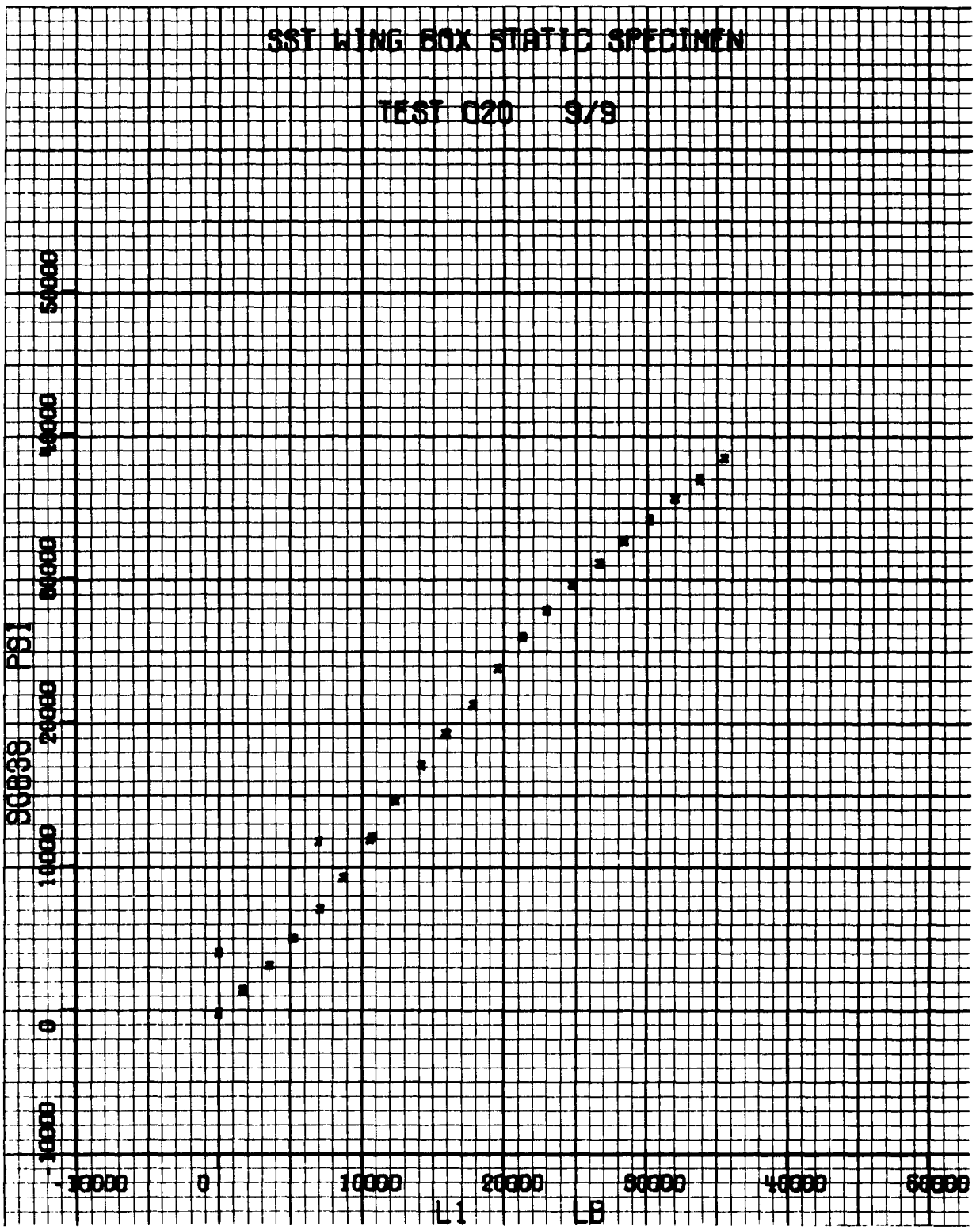

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG833 PSI
-5000
0
5000
10000
15000
20000
-10000
0
10000
20000
30000
40000
50000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG634, PSI
50000
40000
30000
20000
10000
0
-10000
-10000
0
10000
20000
30000
40000
50000
L1
L8

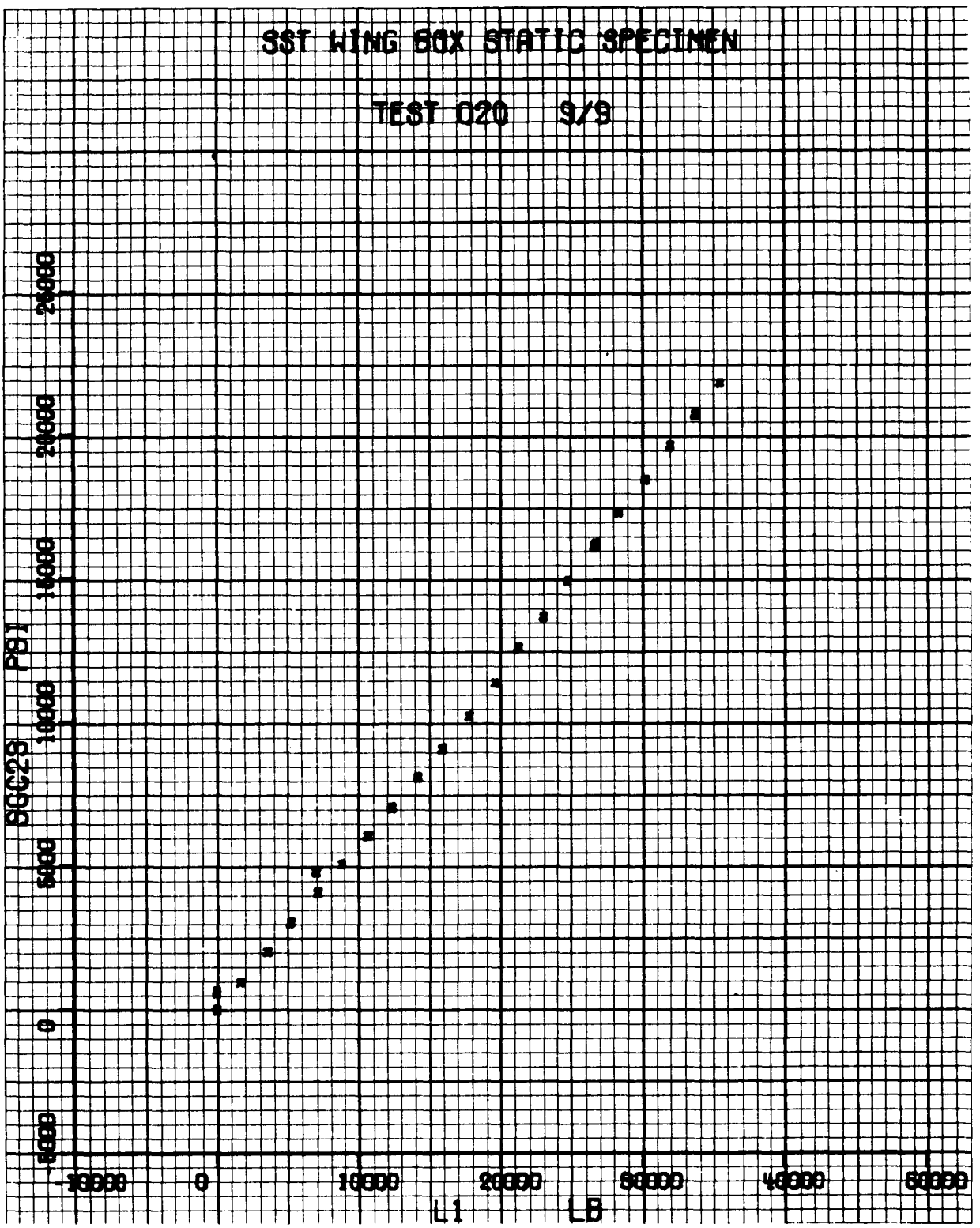

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
BG#35 PSI
20000
10000
6000
0
-8000
-10000
-10000
0
10000
20000
30000
40000
50000
L1
L8

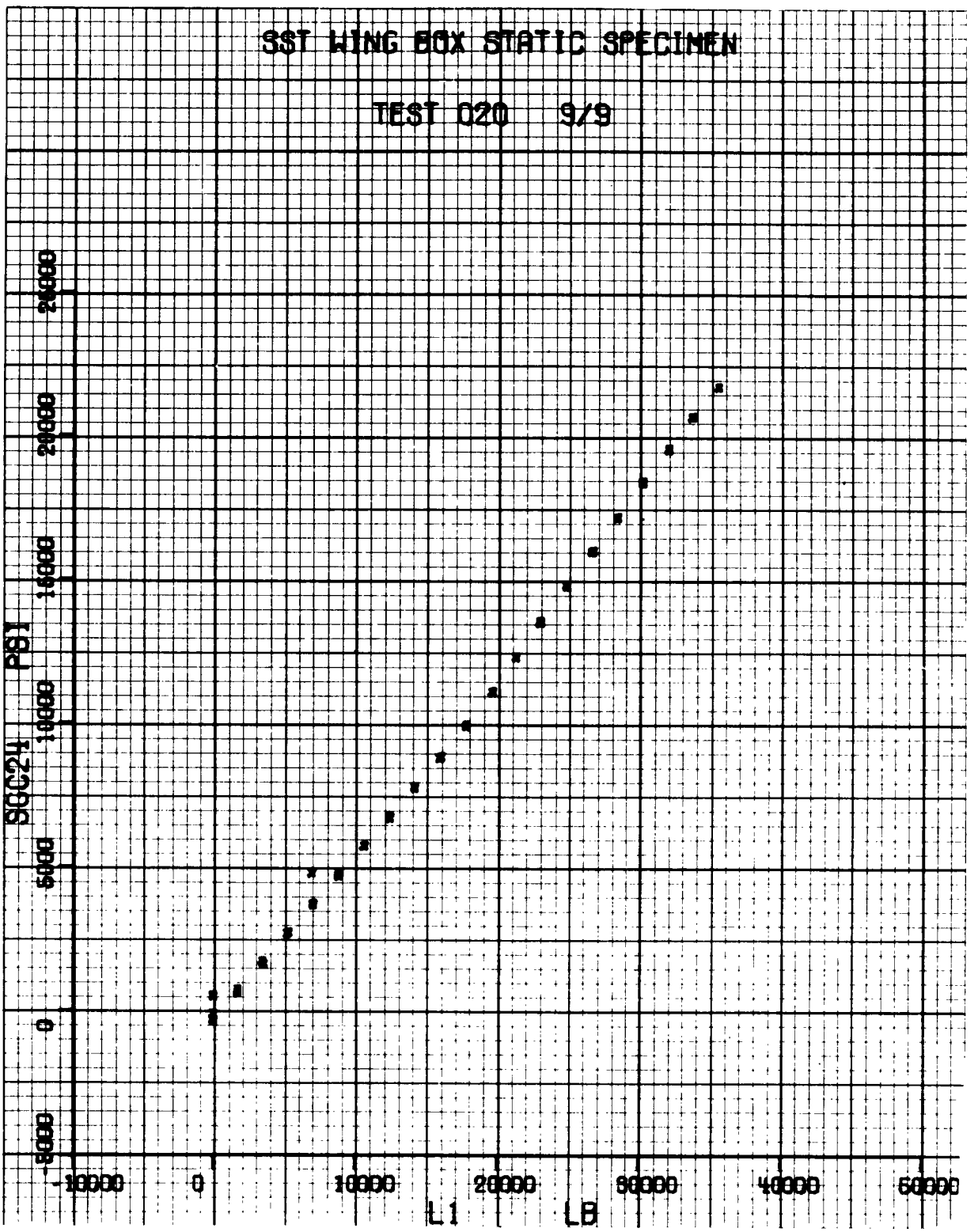

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGB36 PSI
50000
40000
30000
20000
10000
0
-10000
-10000
0
10000
20000
30000
40000
50000
L1
L6

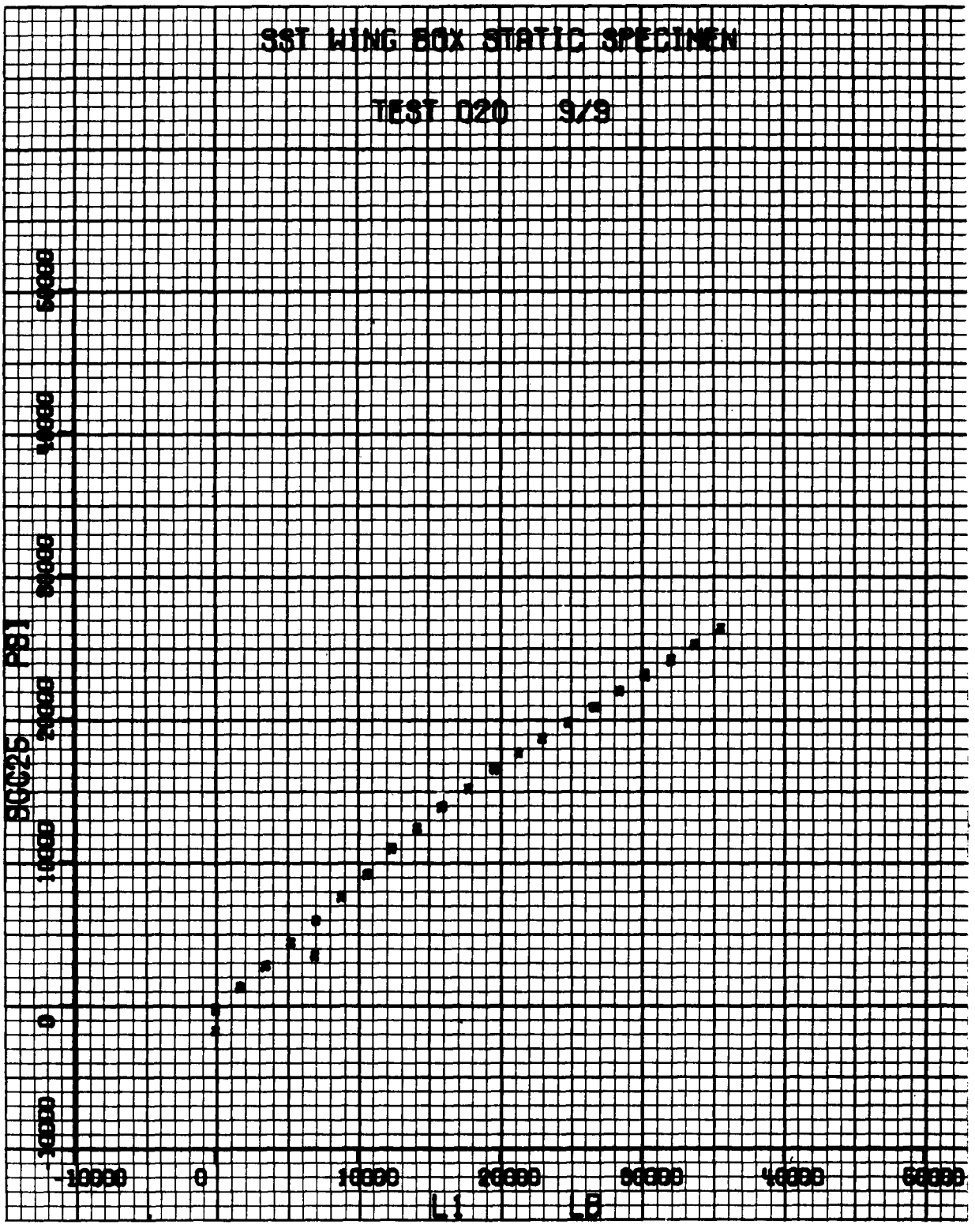

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
BG837 PSI
50000
40000
30000
20000
10000
0
-10000
-10000
0
10000
20000
30000
40000
50000
L1
LB

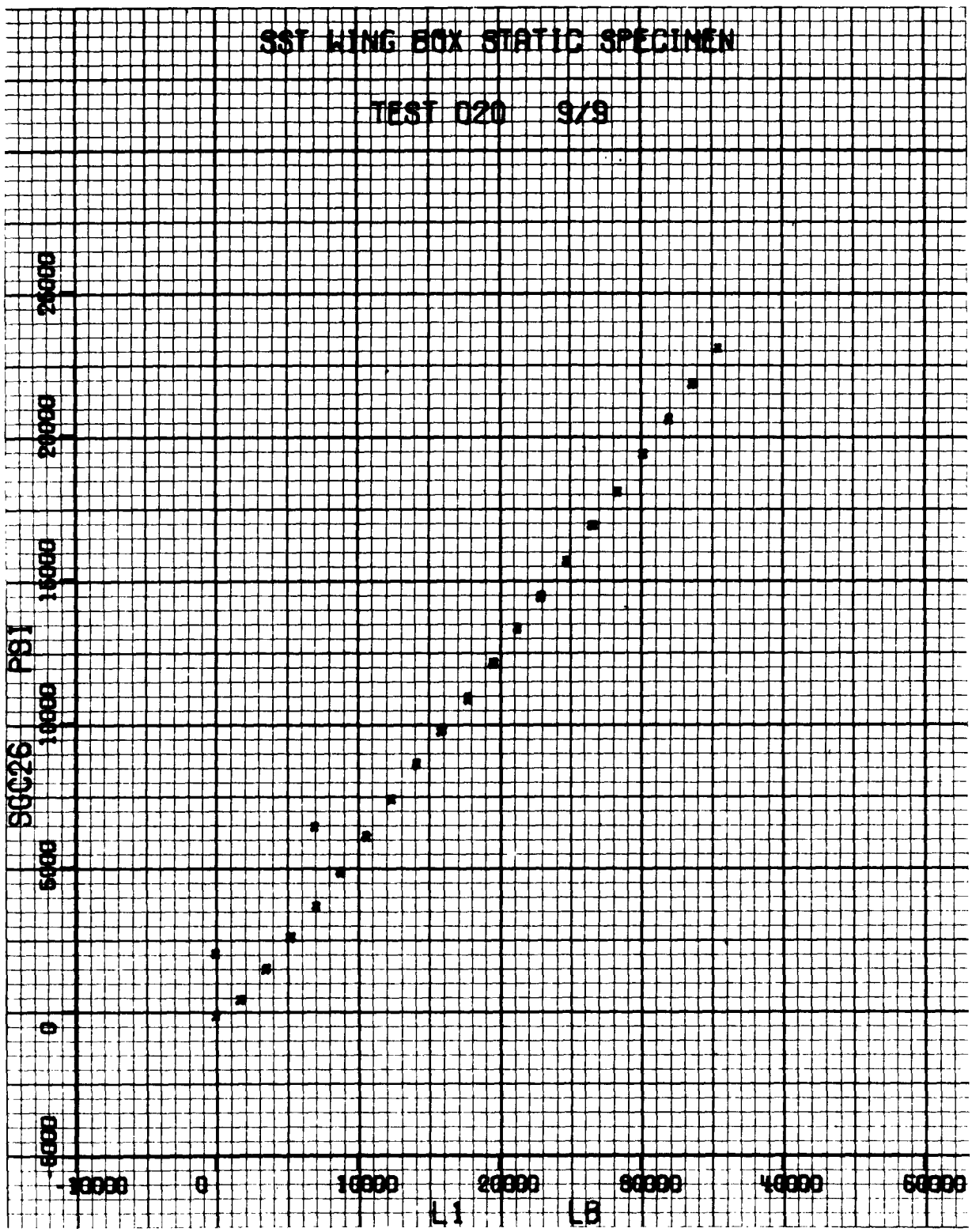

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG838
PSI
-10000
0
10000
20000
30000
40000
50000
L1
LB

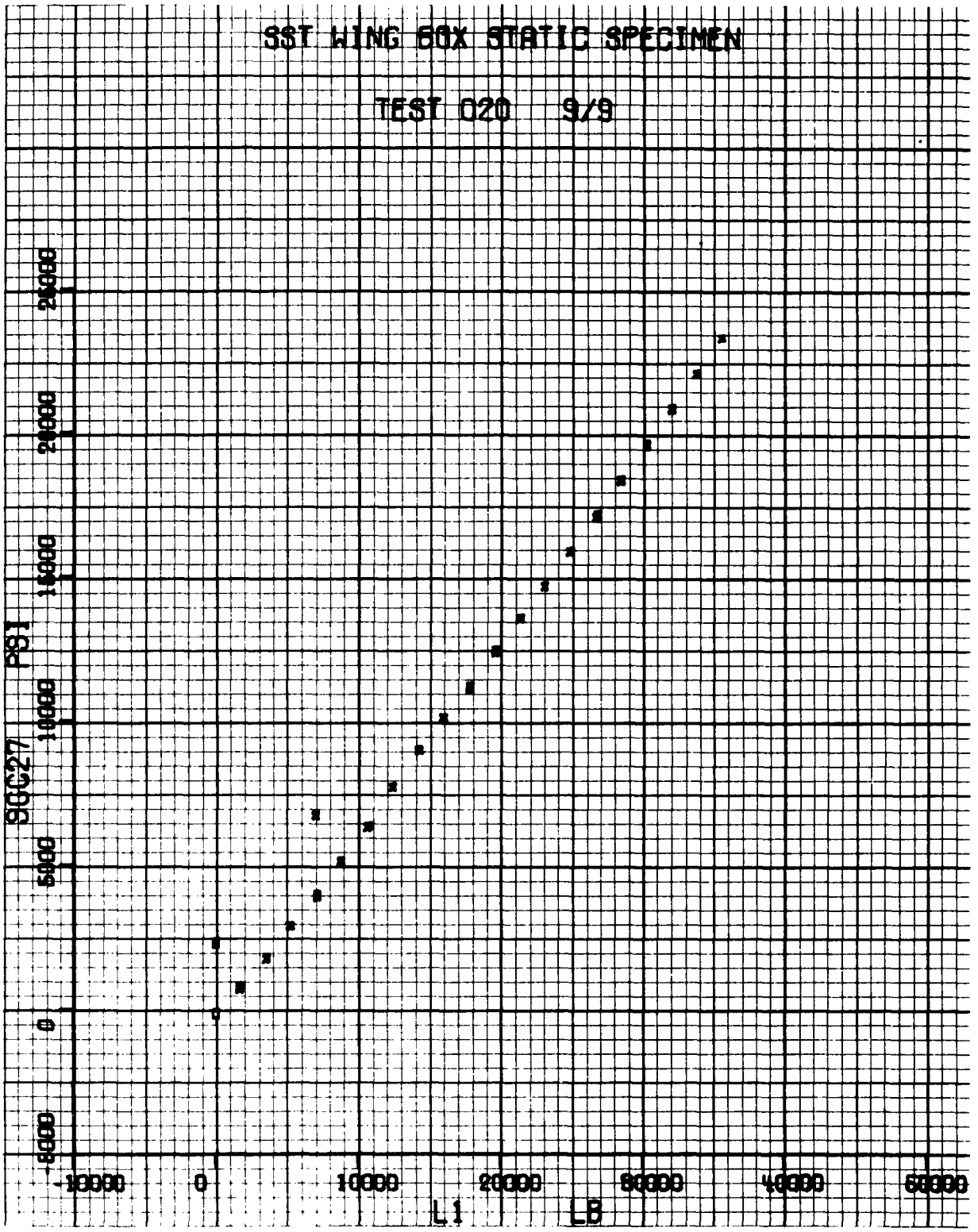
SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGC22 PSI
-10000
-5000
0
5000
10000
15000
20000
-10000
0
10000
20000
30000
40000
50000
L1
LB

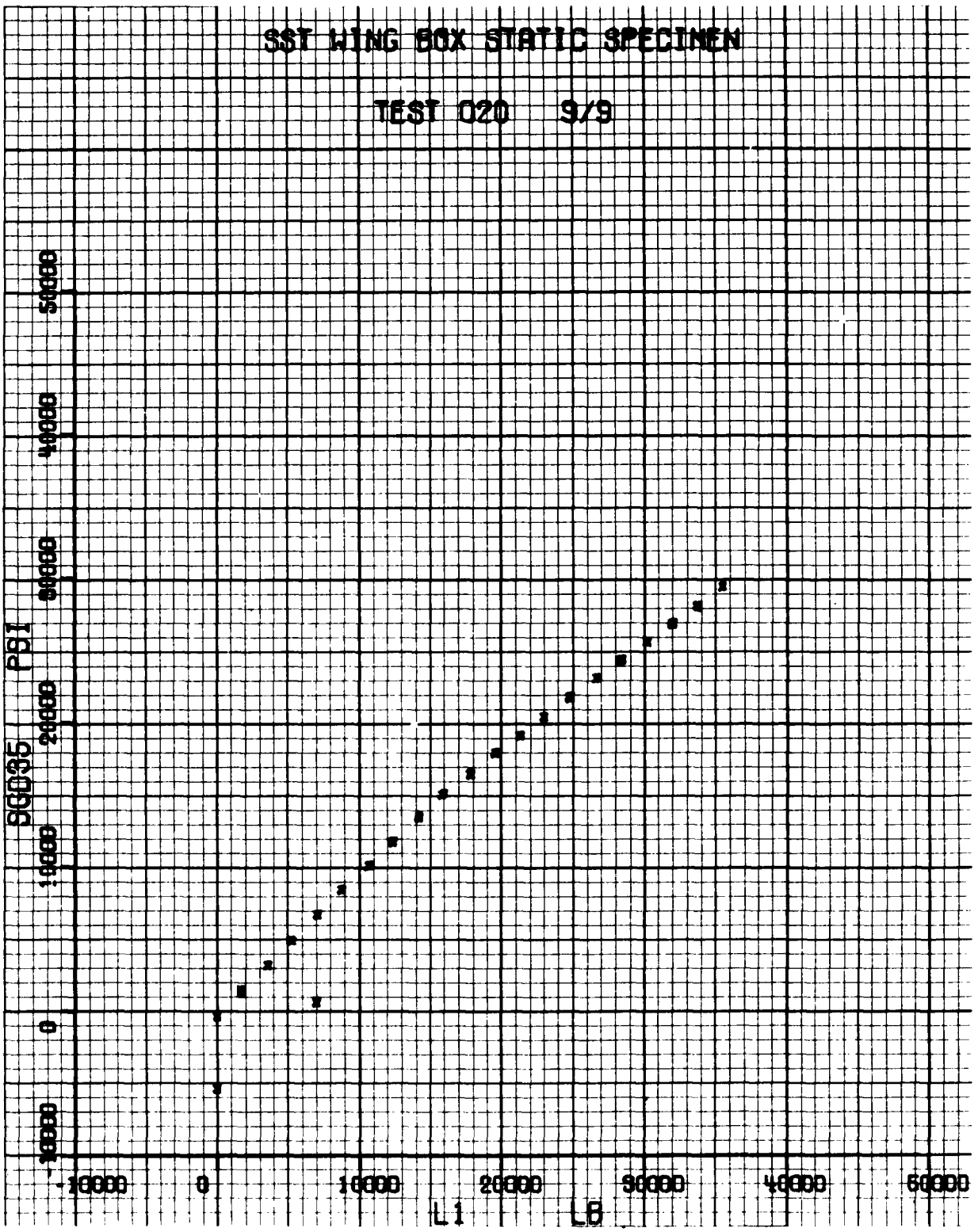

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
P91
-5000
0
5000
10000
15000
20000
25000
-10000
0
10000
20000
30000
40000
50000
L1
LB

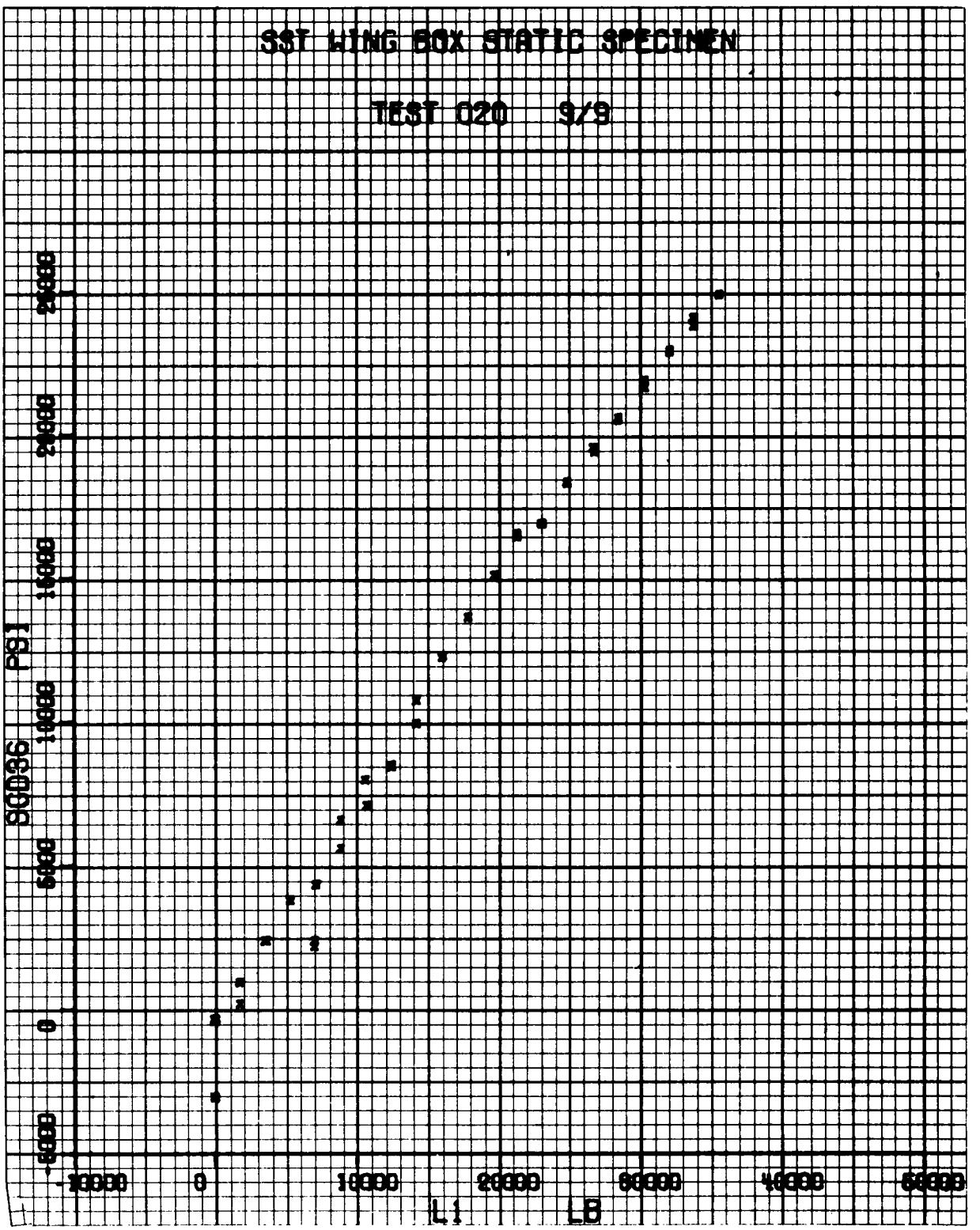

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PBT
-5000
0
5000
10000
15000
20000
25000
-10000
0
10000
20000
30000
40000
50000
L1
LB

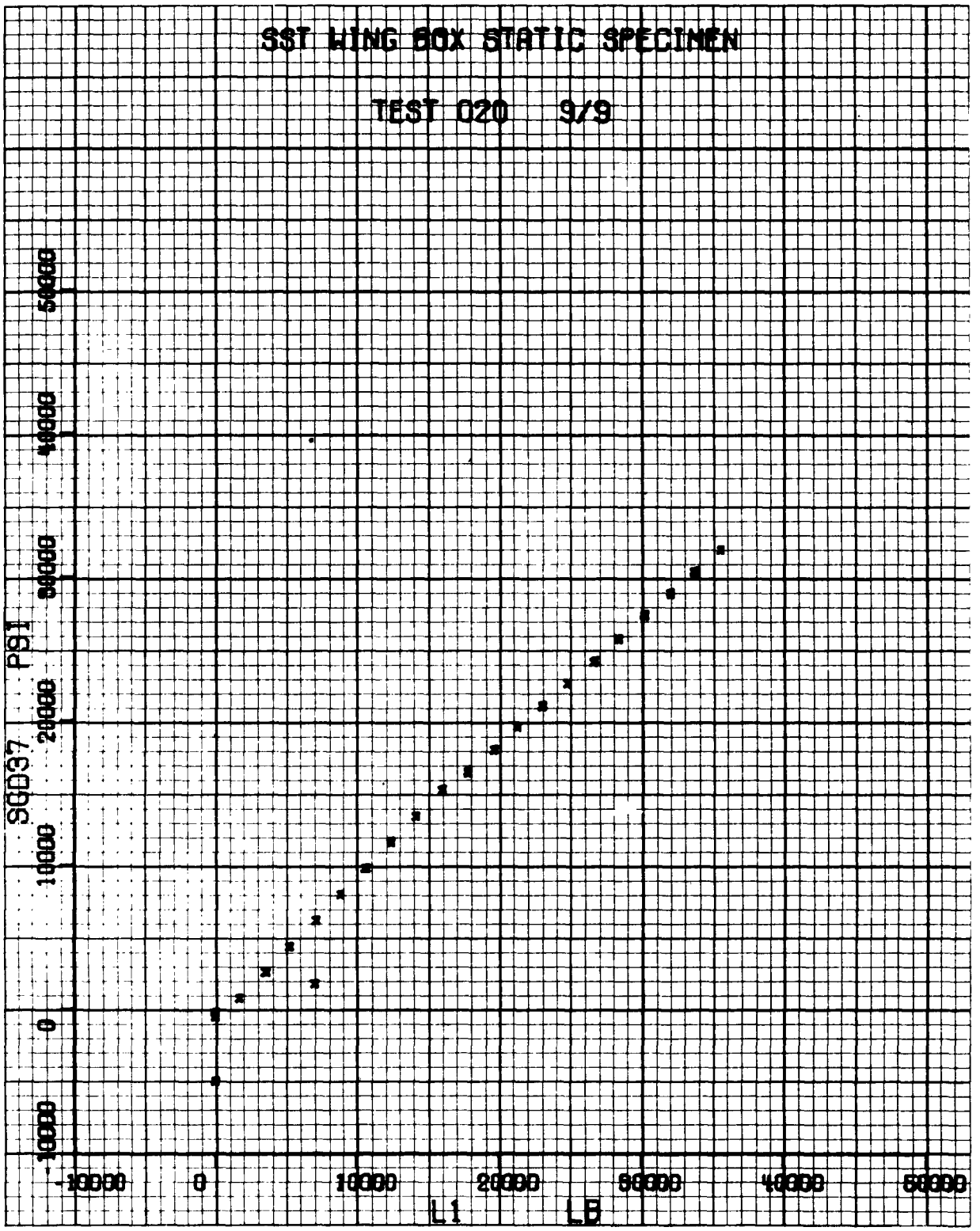

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
P81
L1
LB

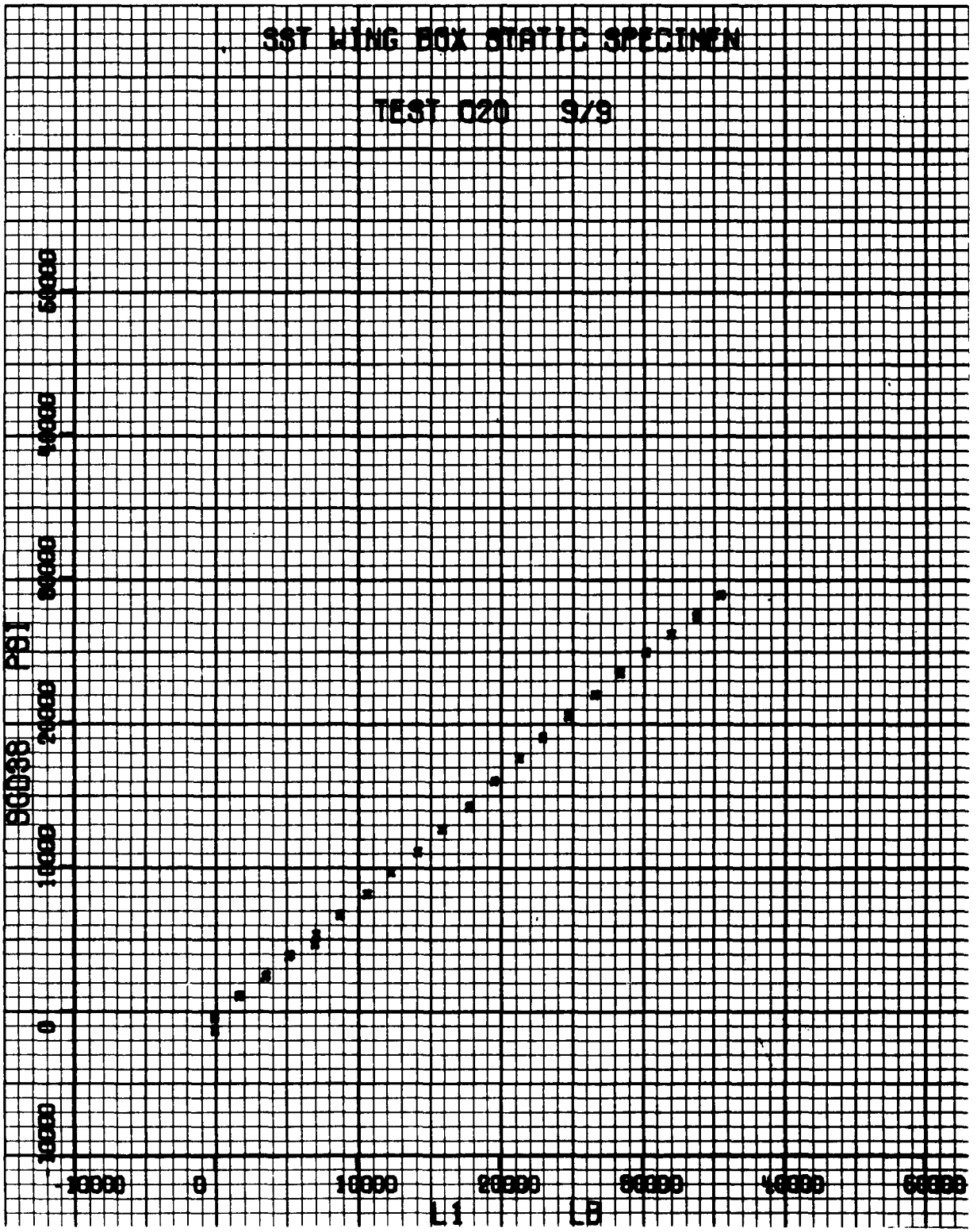

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGG26 PSI
-5000
0
5000
10000
15000
20000
-10000
0
10000
20000
30000
40000
50000
L1
LB

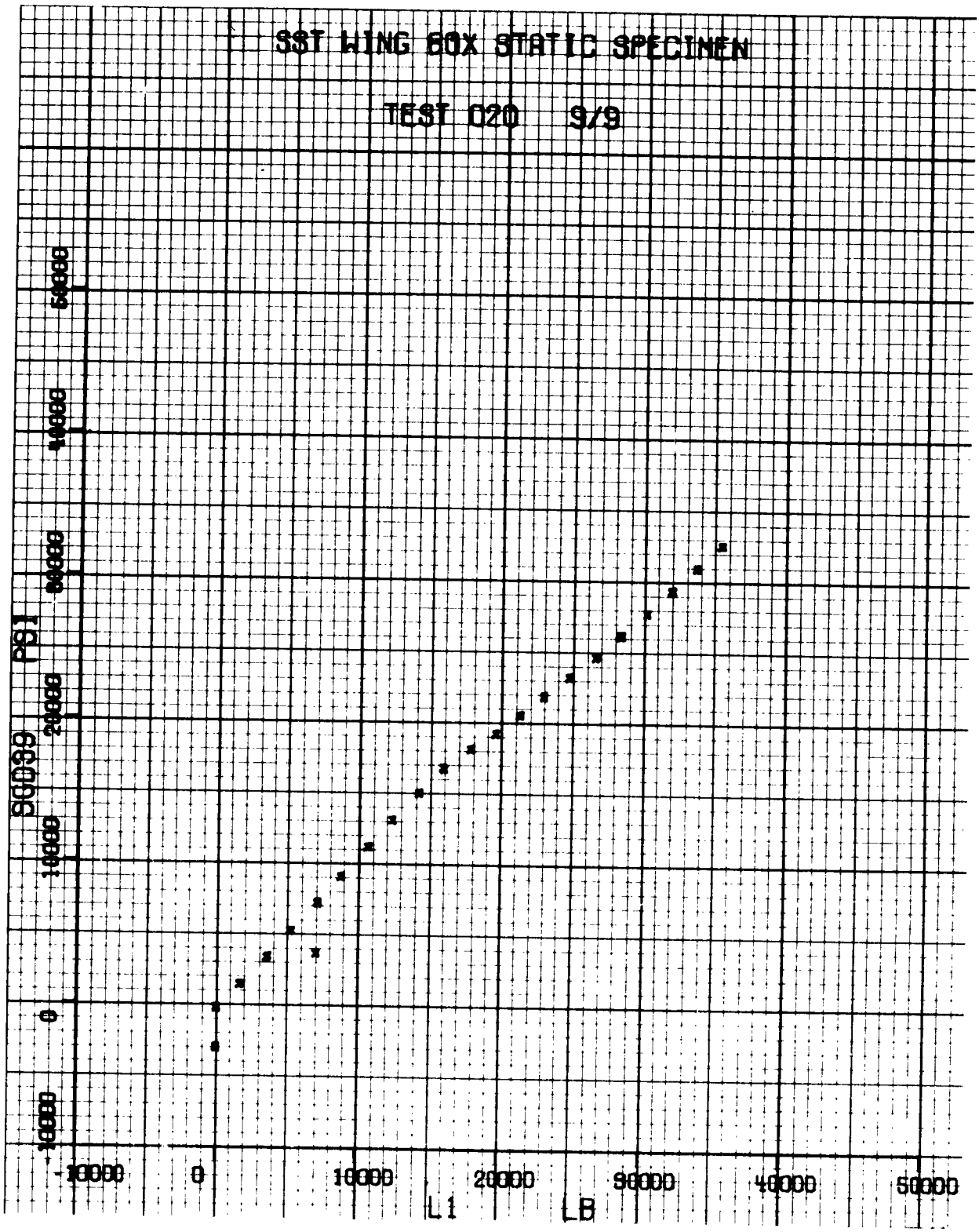

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGC27 PSI
25000
20000
15000
10000
5000
0
-5000
-10000
0
10000
20000
30000
40000
50000
L1
L8

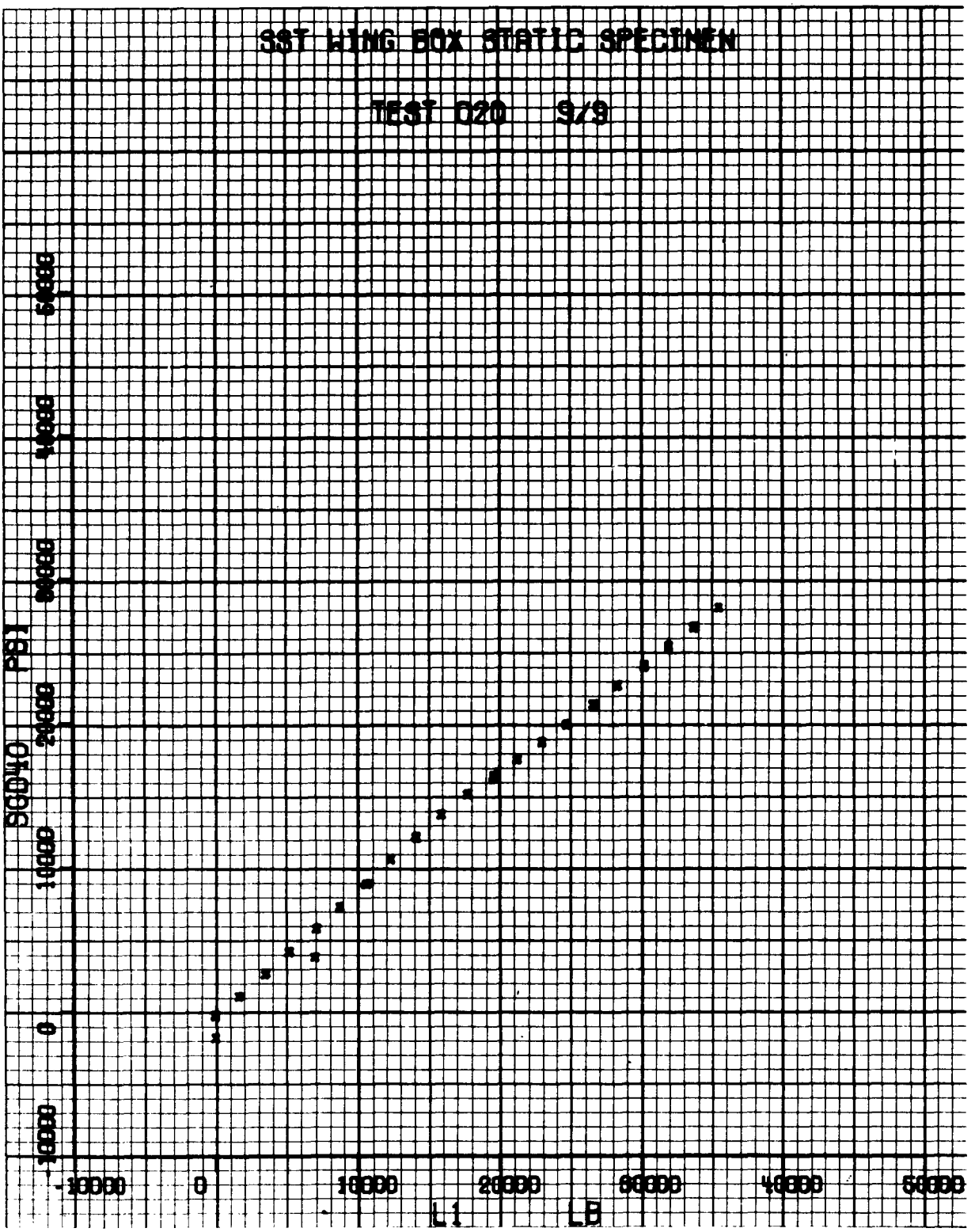

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG035 PSI
50000
40000
30000
20000
10000
0
-10000
-10000
0
10000
20000
30000
40000
50000
L1
LB

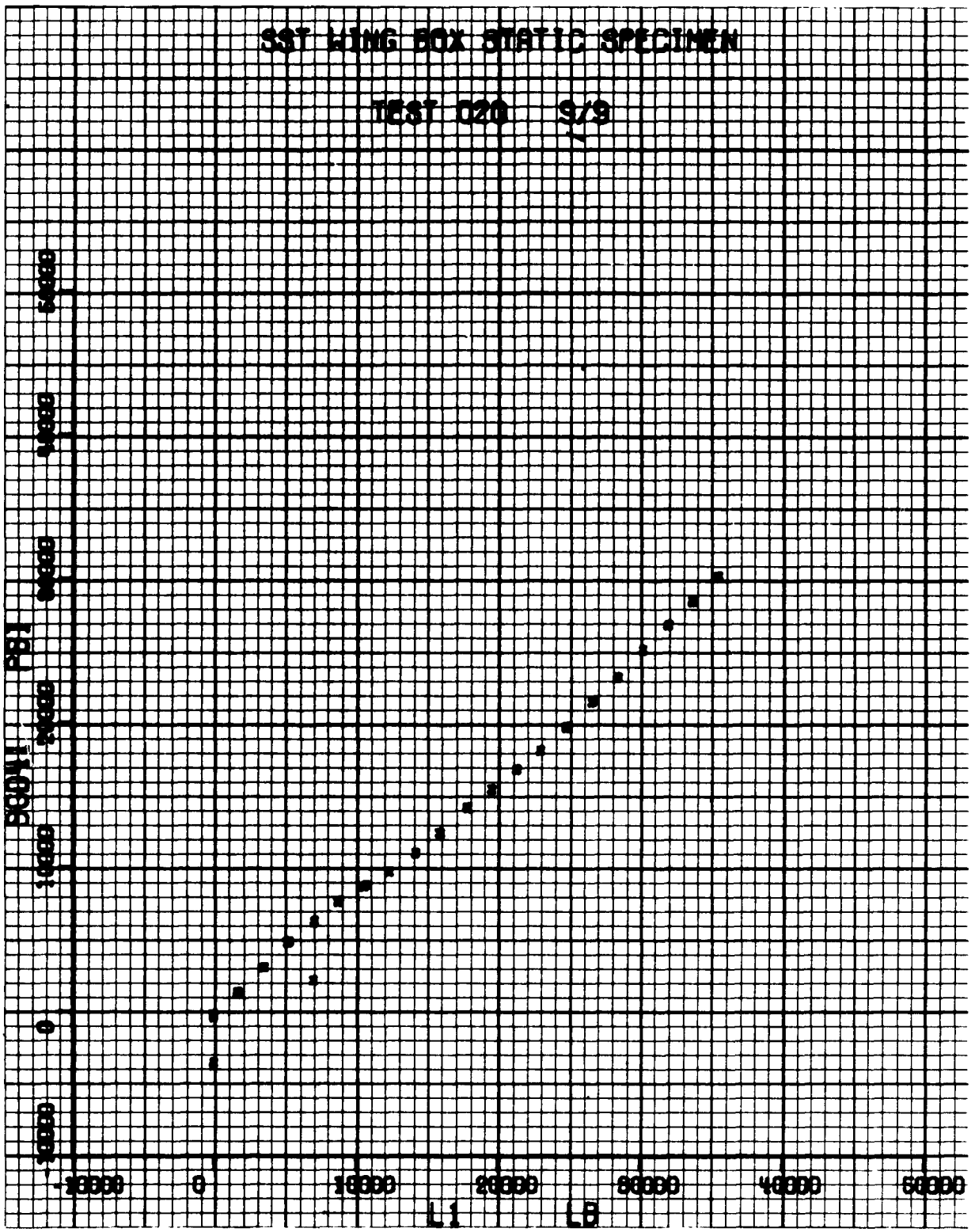

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SG036 PSI
-10000
0
10000
20000
30000
40000
50000
L1
L8

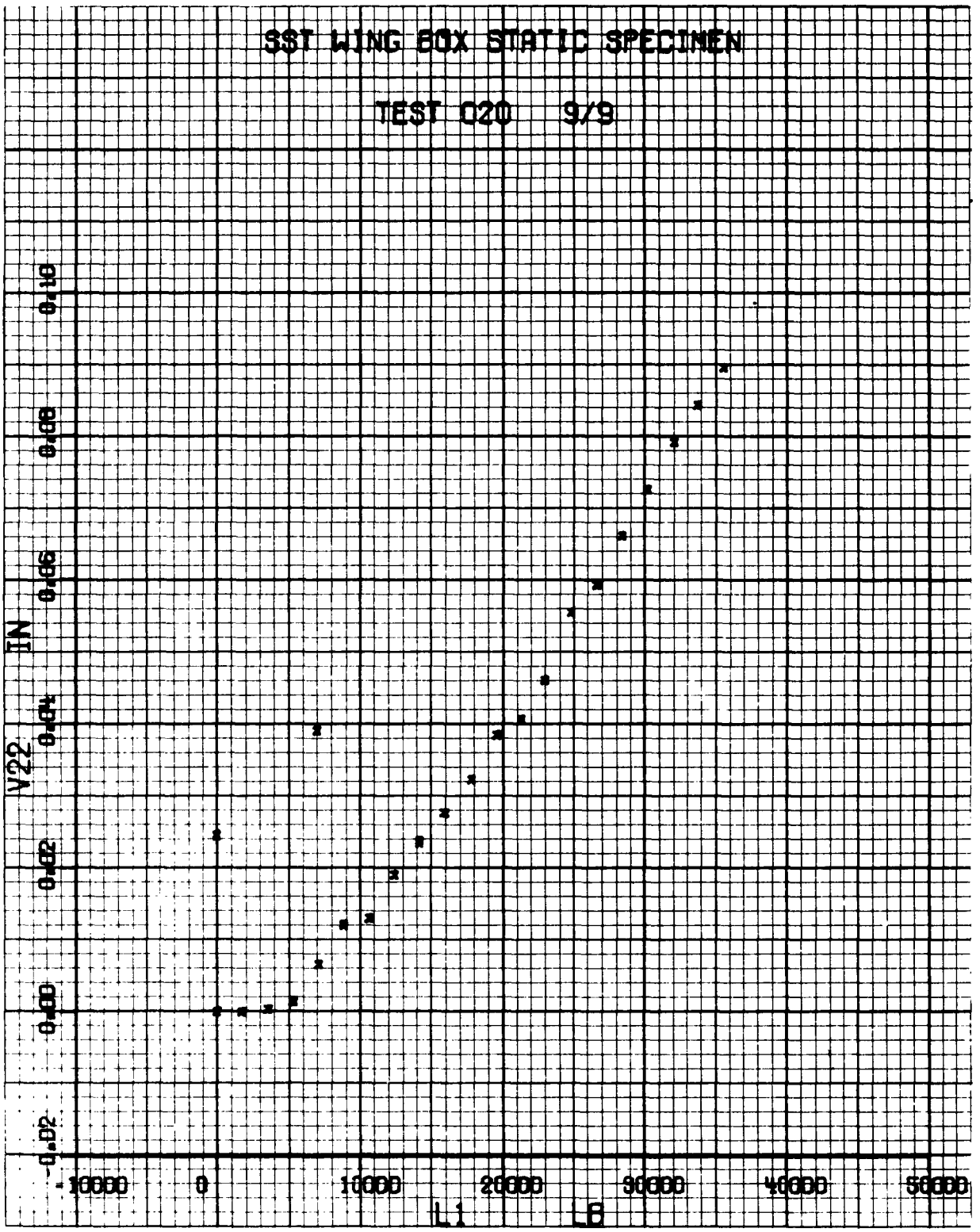

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGD37 PSI
50000
40000
30000
20000
10000
0
-10000
-10000
0
10000
20000
30000
40000
50000
L1
LB

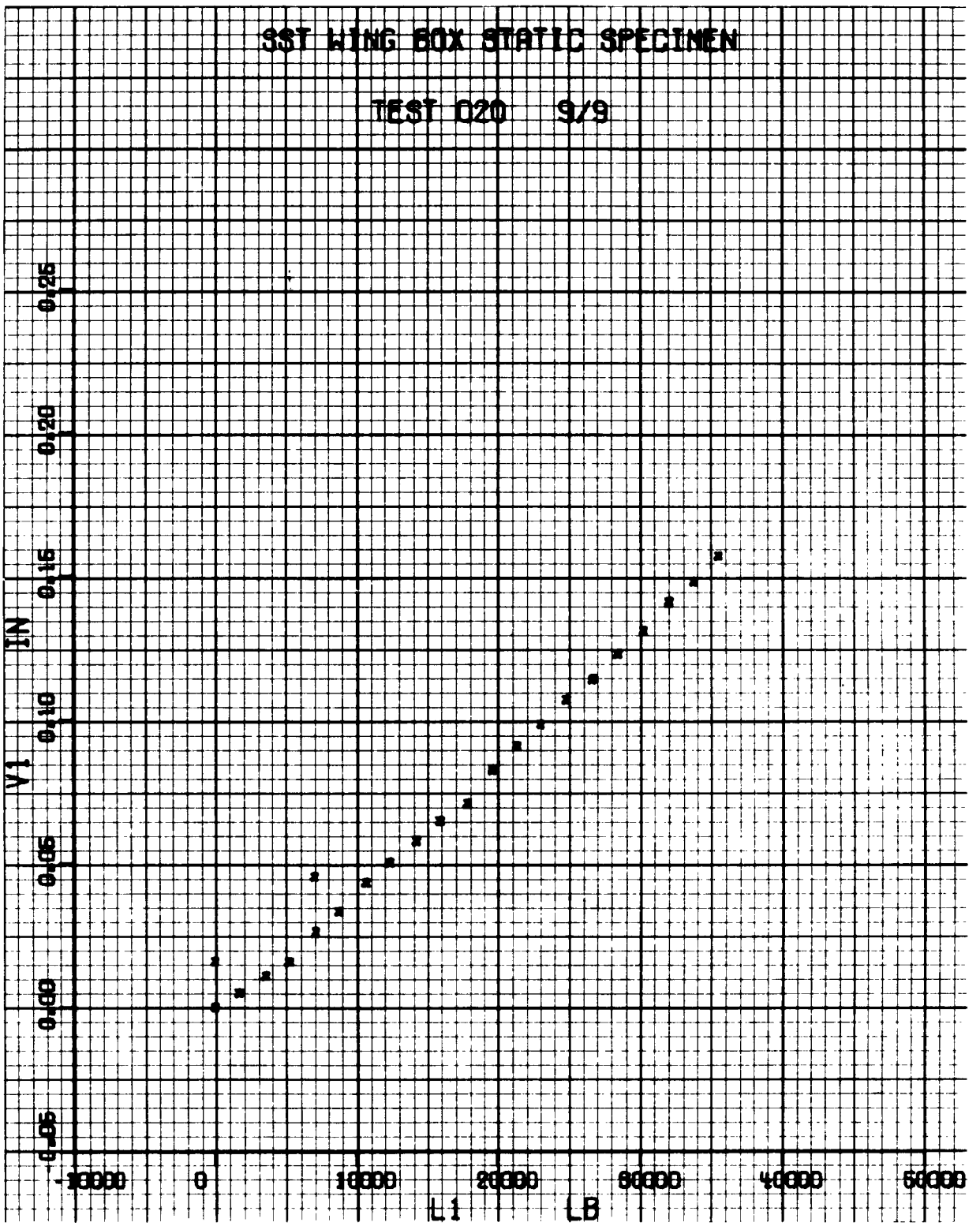

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
L1
LB

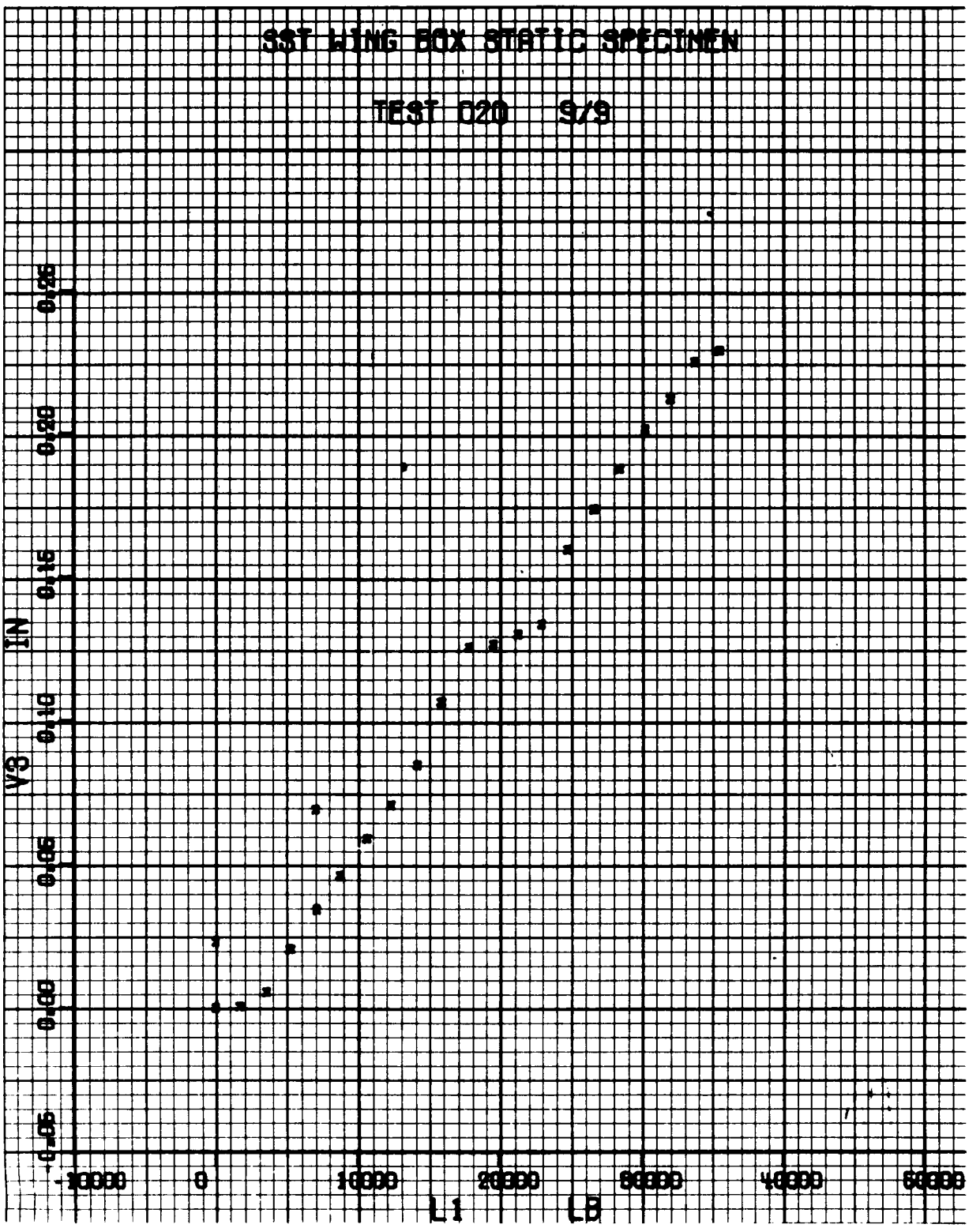

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
PSI
60000
40000
20000
10000
0
-10000
-10000
0
10000
20000
30000
40000
50000
L1
LB

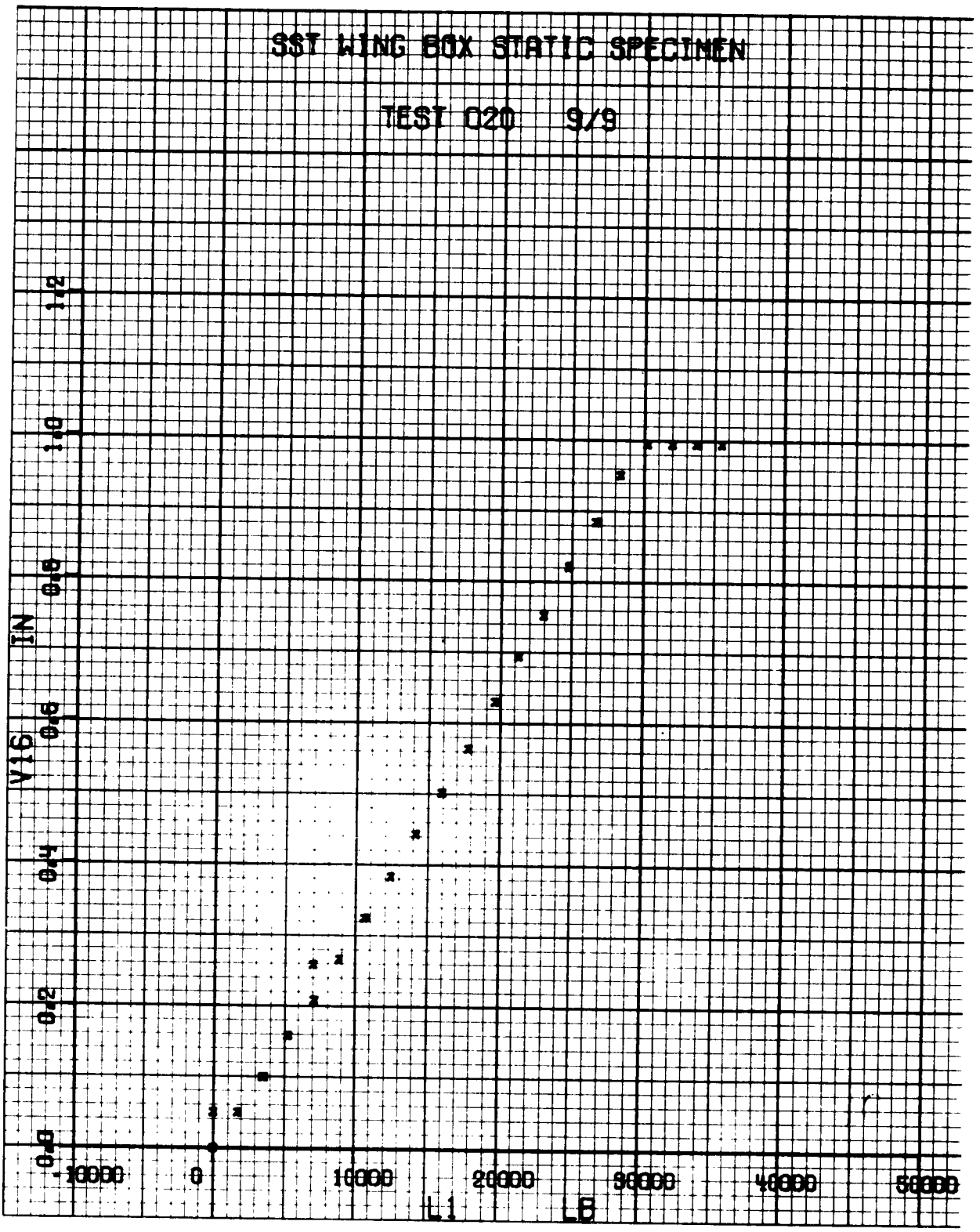

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
SGDUC PSI
-10000
0
10000
20000
30000
40000
50000
L1
LB

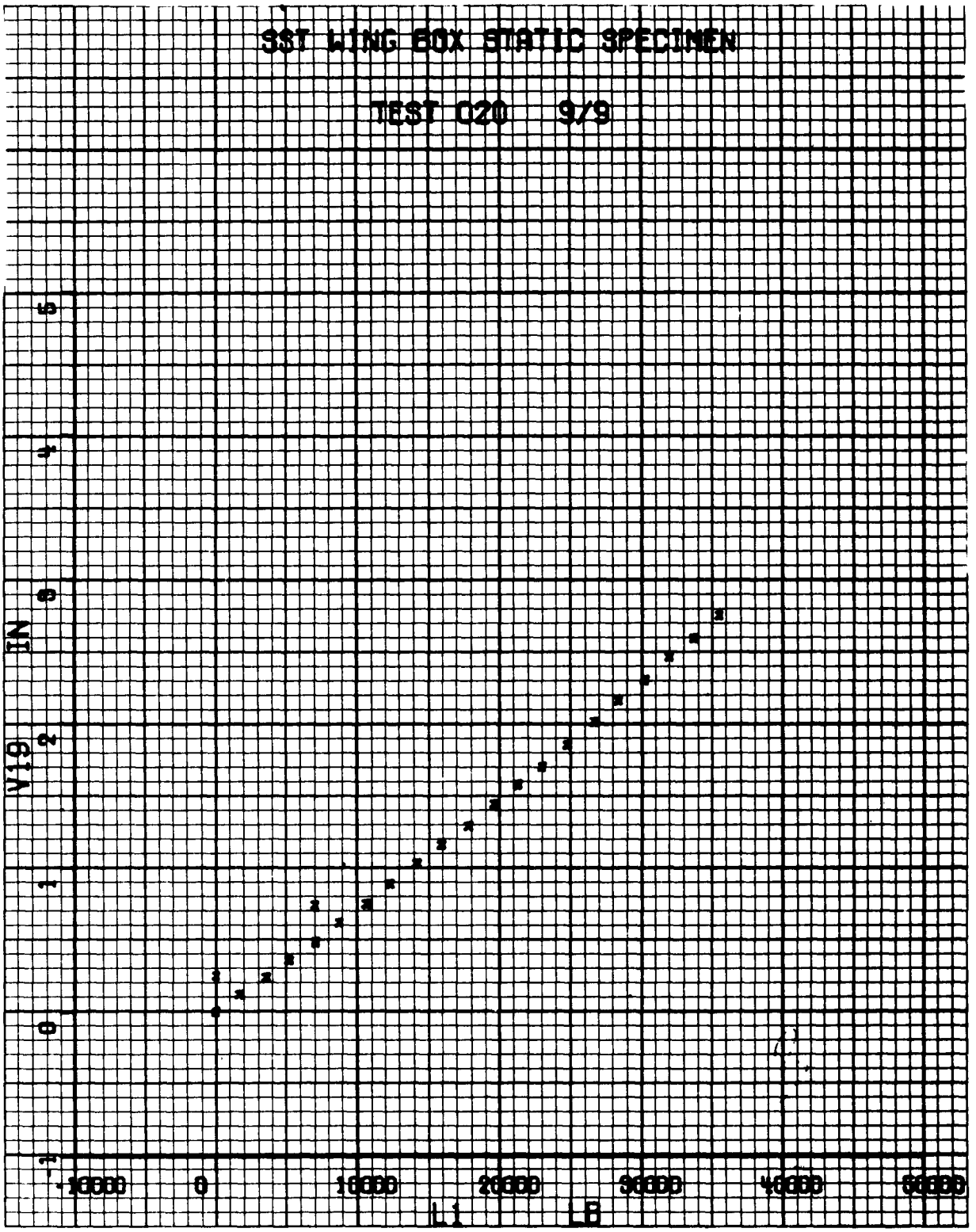

SST WING BOX STATIC SPECIMEN
TEST D20 9/9
BOOM LOAD, lbs
-10000
0
10000
20000
30000
40000
50000
L1
LB

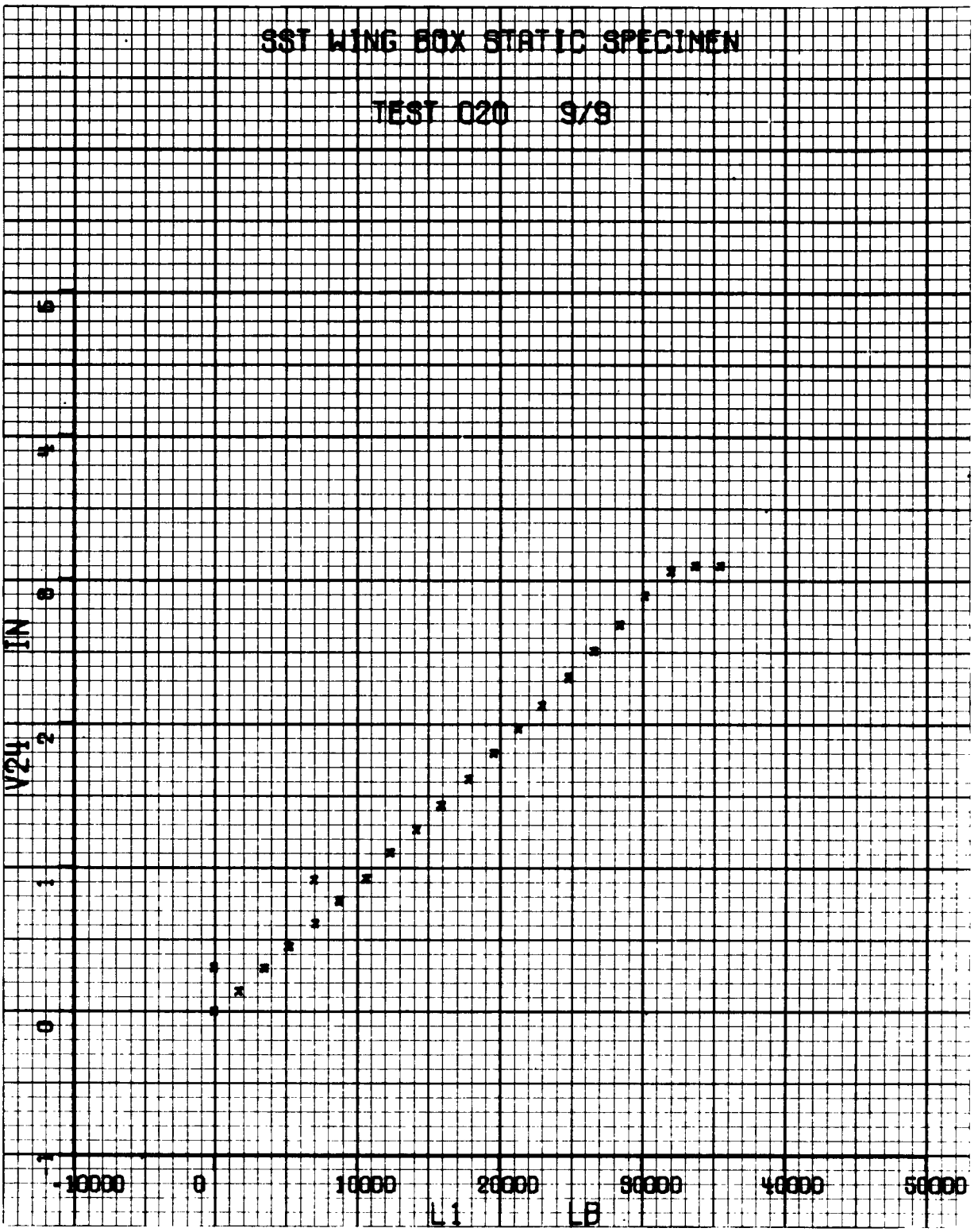

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V22
IN
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
-10000
0
10000
20000
30000
40000
50000
L1
L8

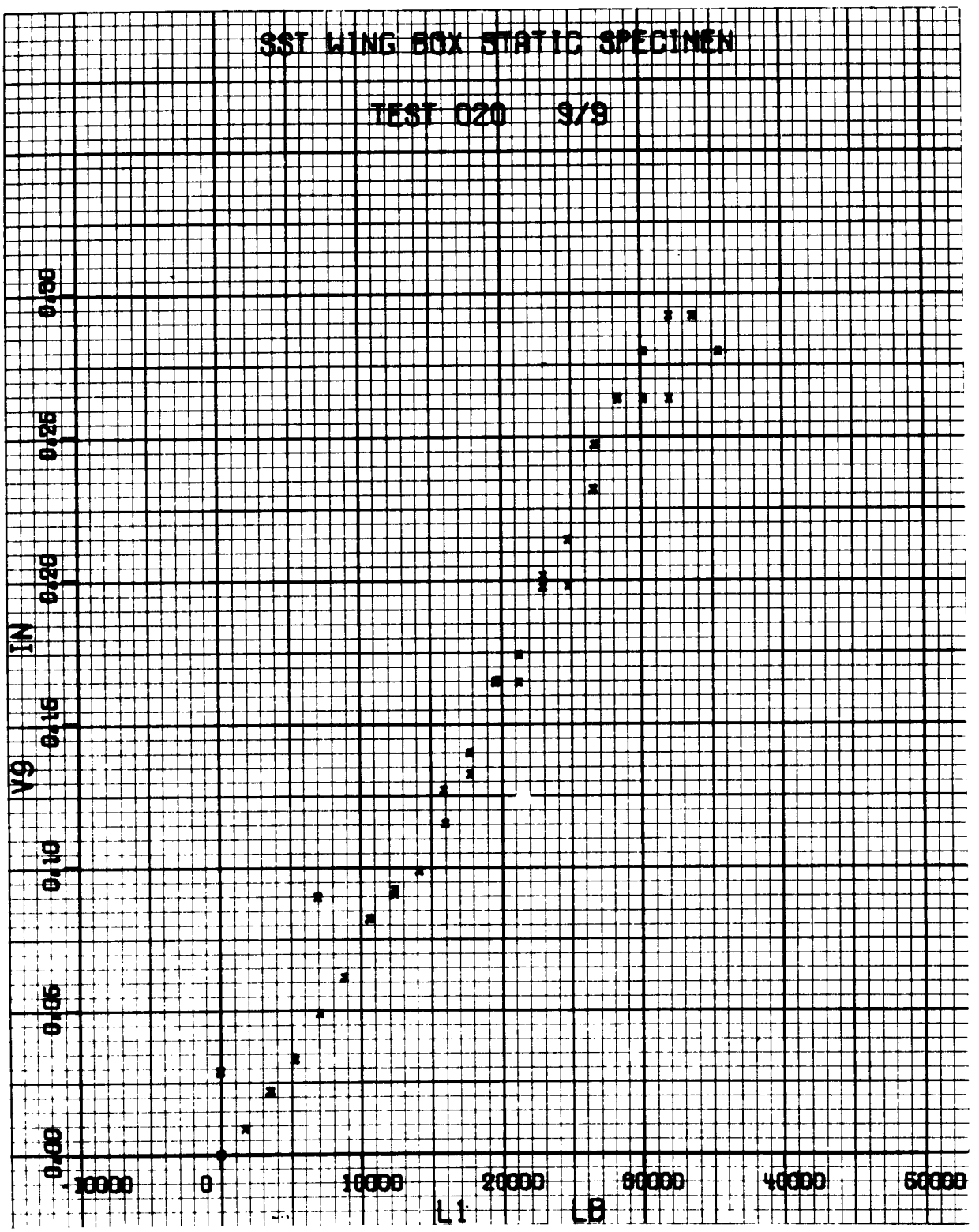

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V1 IN
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
-10000
0
10000
20000
30000
40000
50000
L1 LB

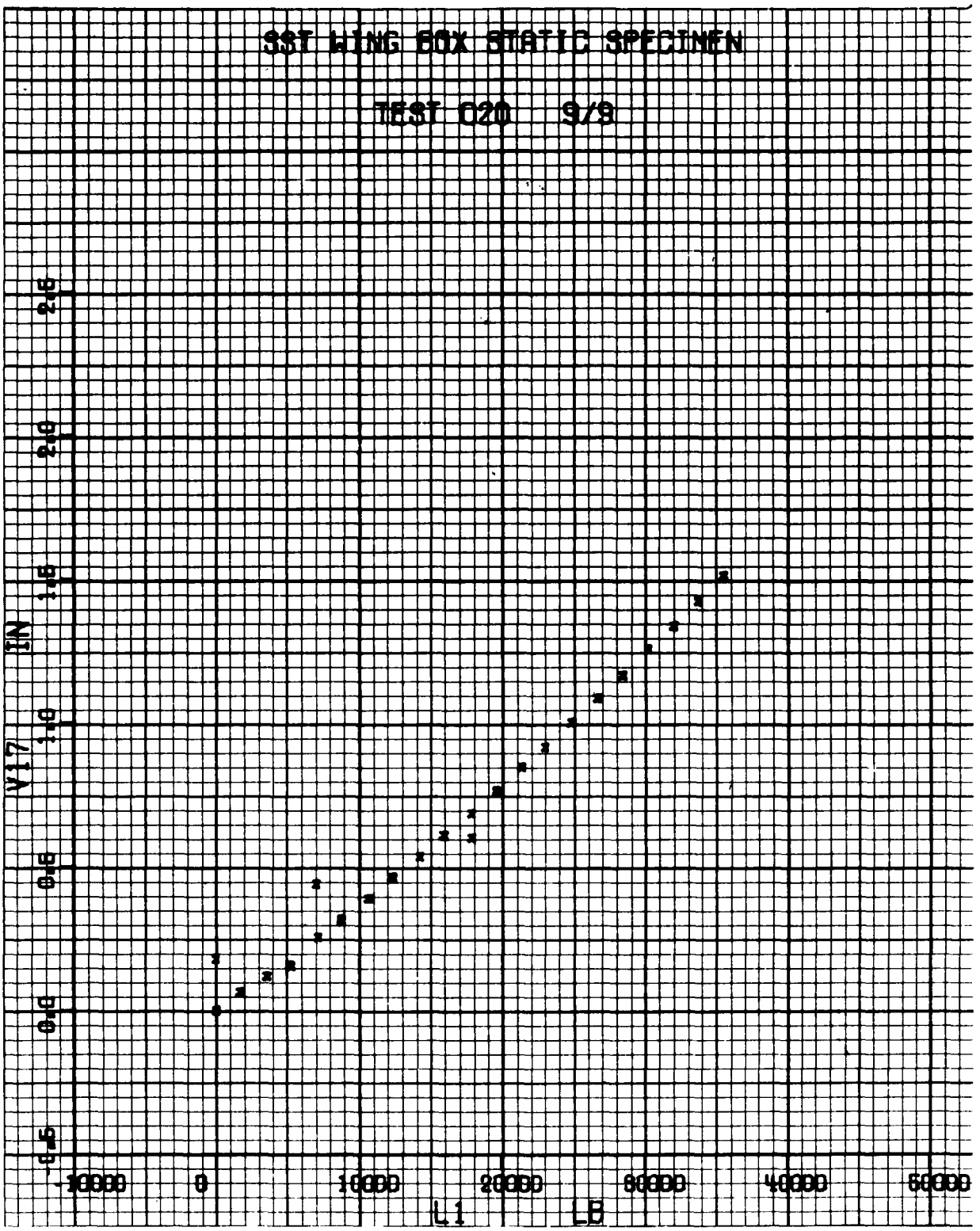

SST WING BOX STATIC SPECIMEN
TEST D20 9/9
V3
IN
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
-10000
0
10000
20000
30000
40000
50000
L1
L3

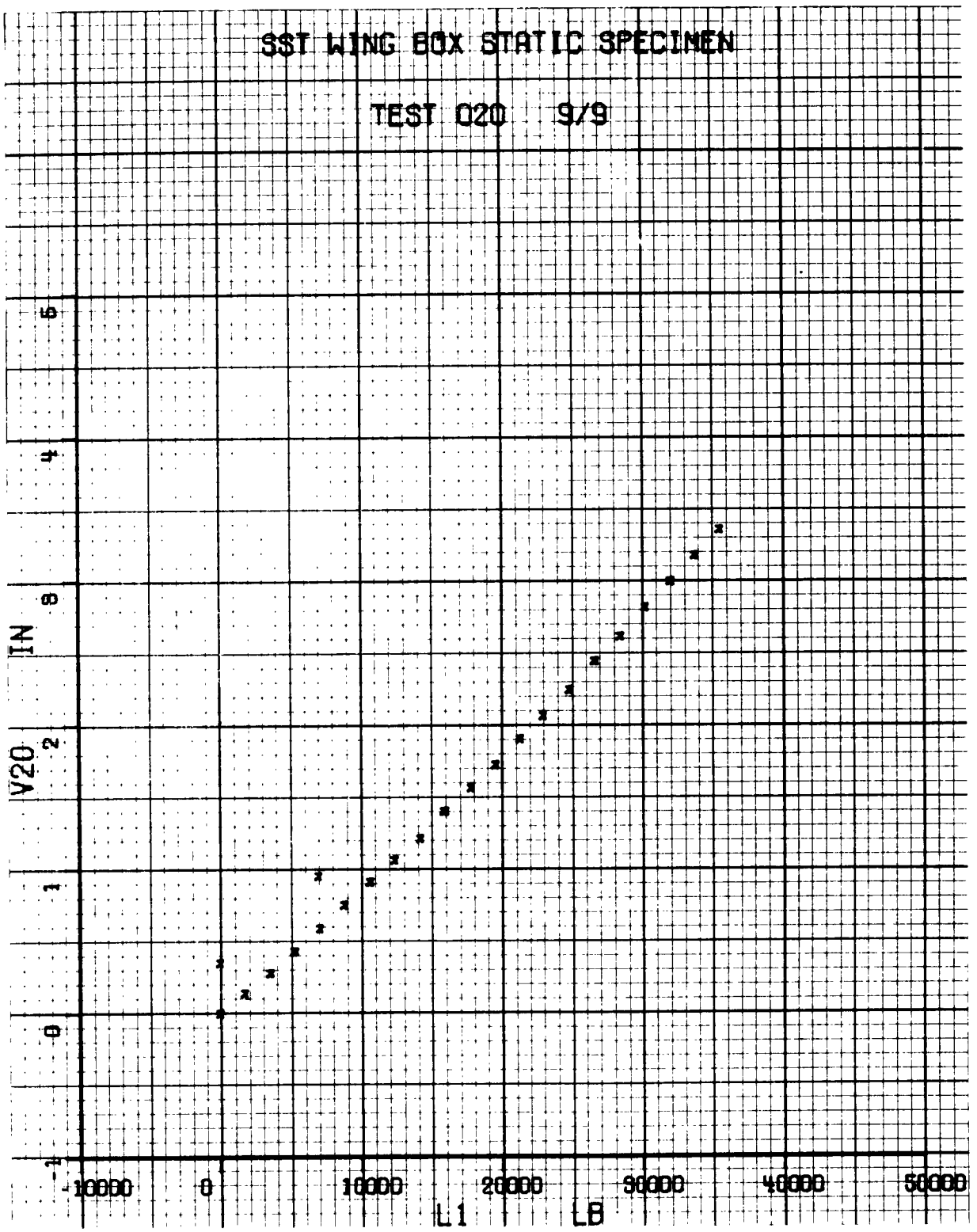

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V16 IN
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-10000
0
10000
20000
30000
40000
50000
L1
L8

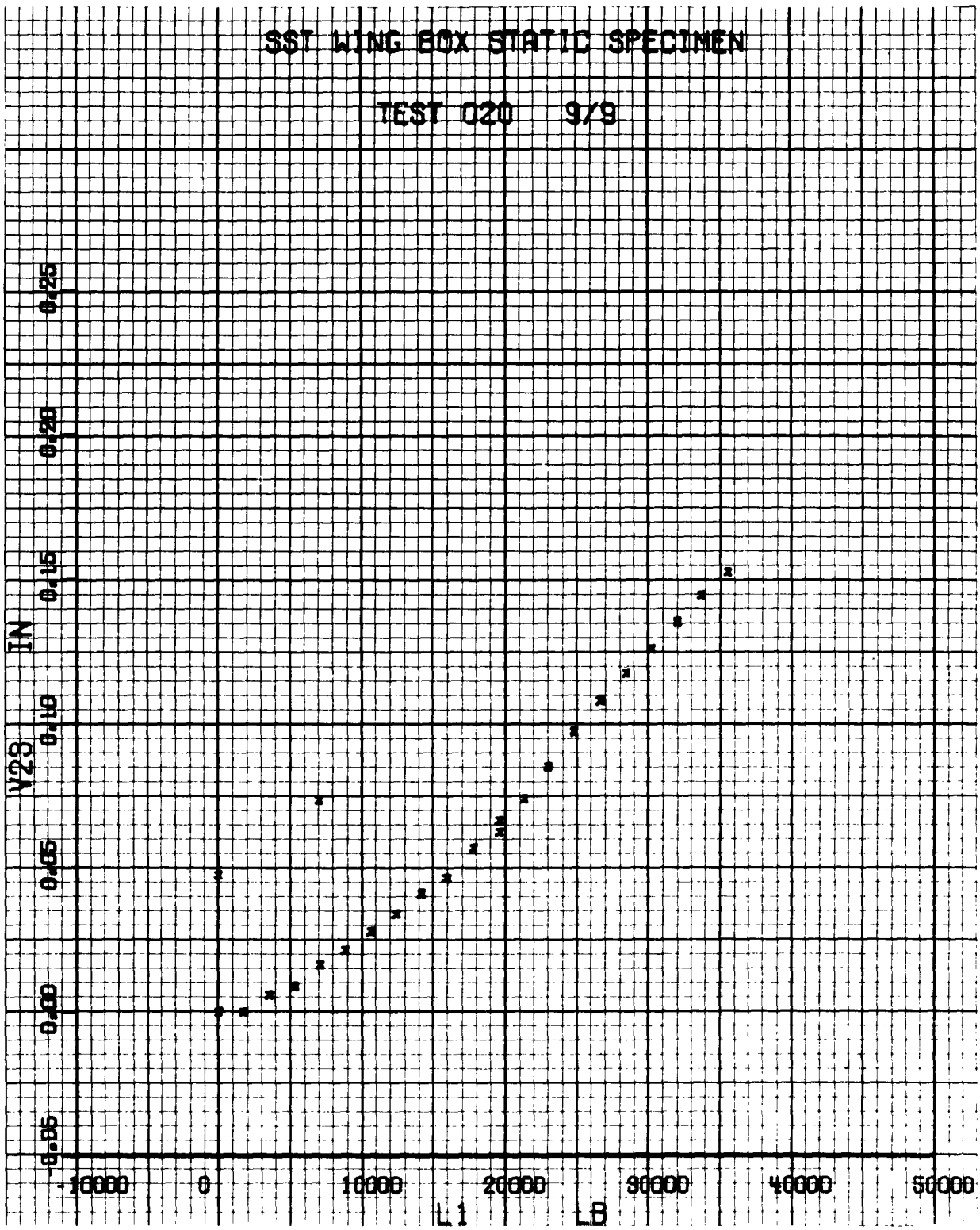

SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V19
IN
-1
0
1
2
3
4
5
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
NF2A
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V9 IN
0.00
0.05
0.10
0.15
0.20
0.25
0.30
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V17 IN
2.0
1.5
1.0
0.5
0.0
-0.5
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V20
IN
6
4
8
2
1
0
-1
-10000
0
10000
20000
30000
40000
50000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
IN
V23
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10000
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40000
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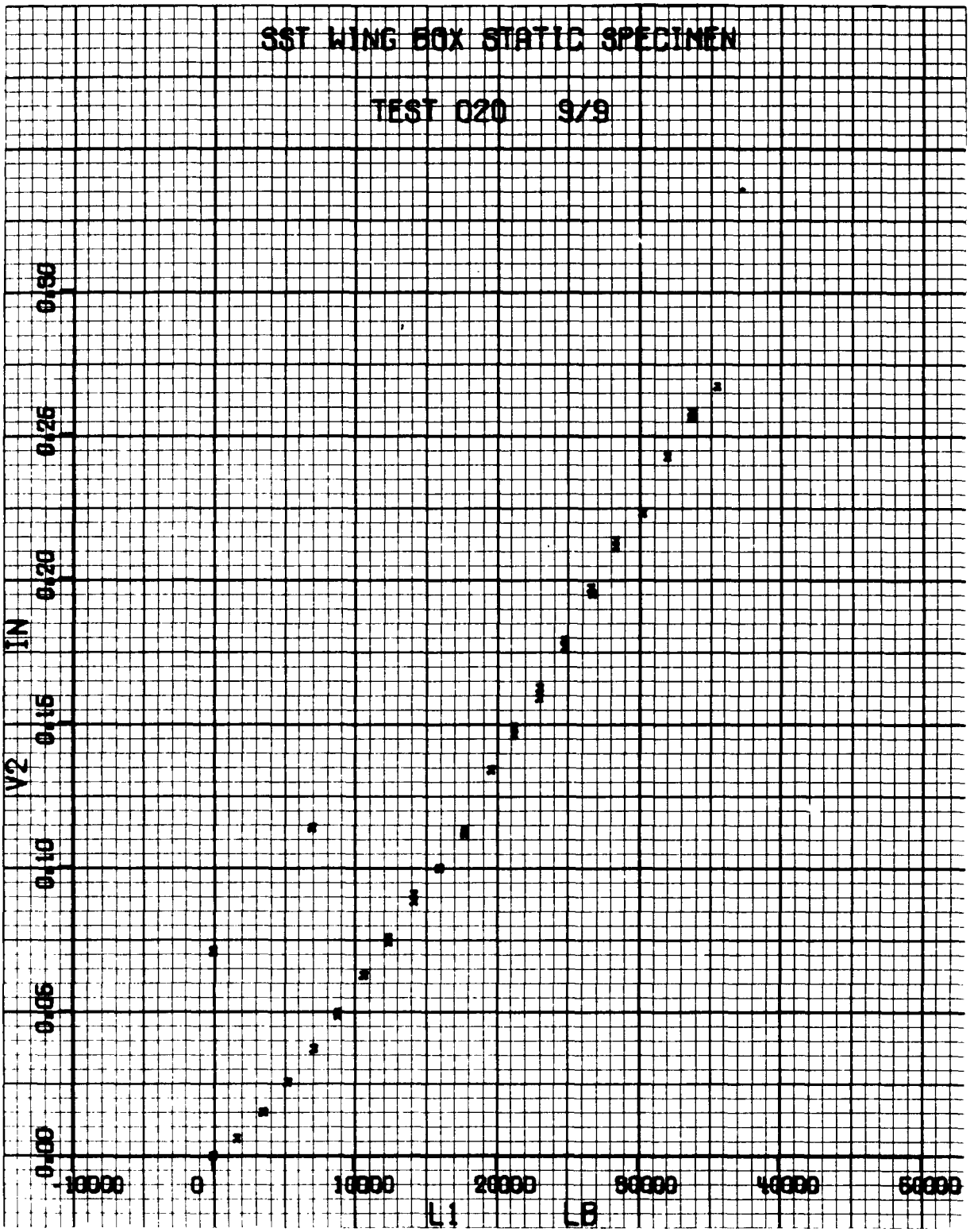
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 020 9/9
V2 IN
0.00
0.05
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0.25
0.30
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10000
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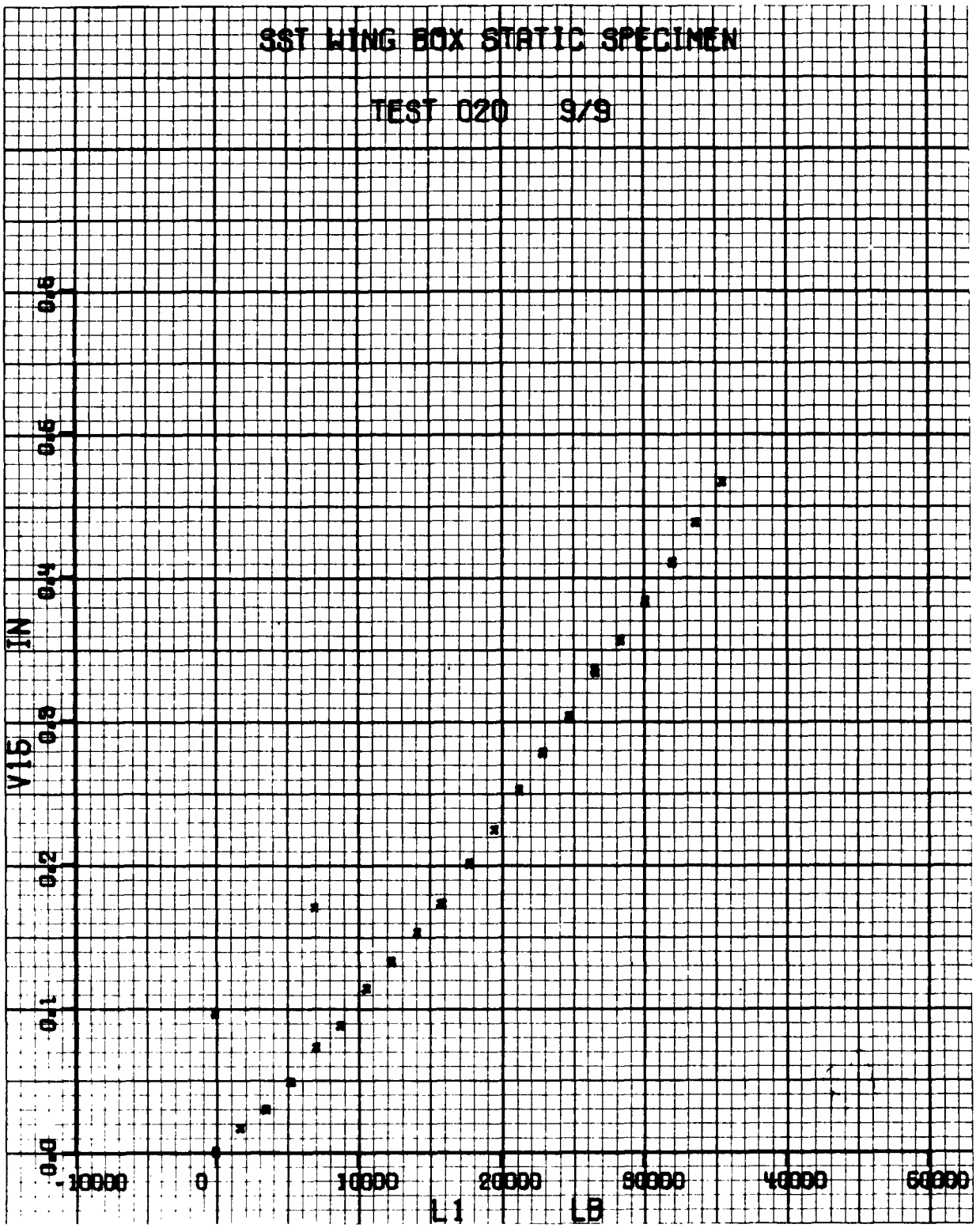
L1
LB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V15
IN
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10000
20000
30000
40000
50000
L1
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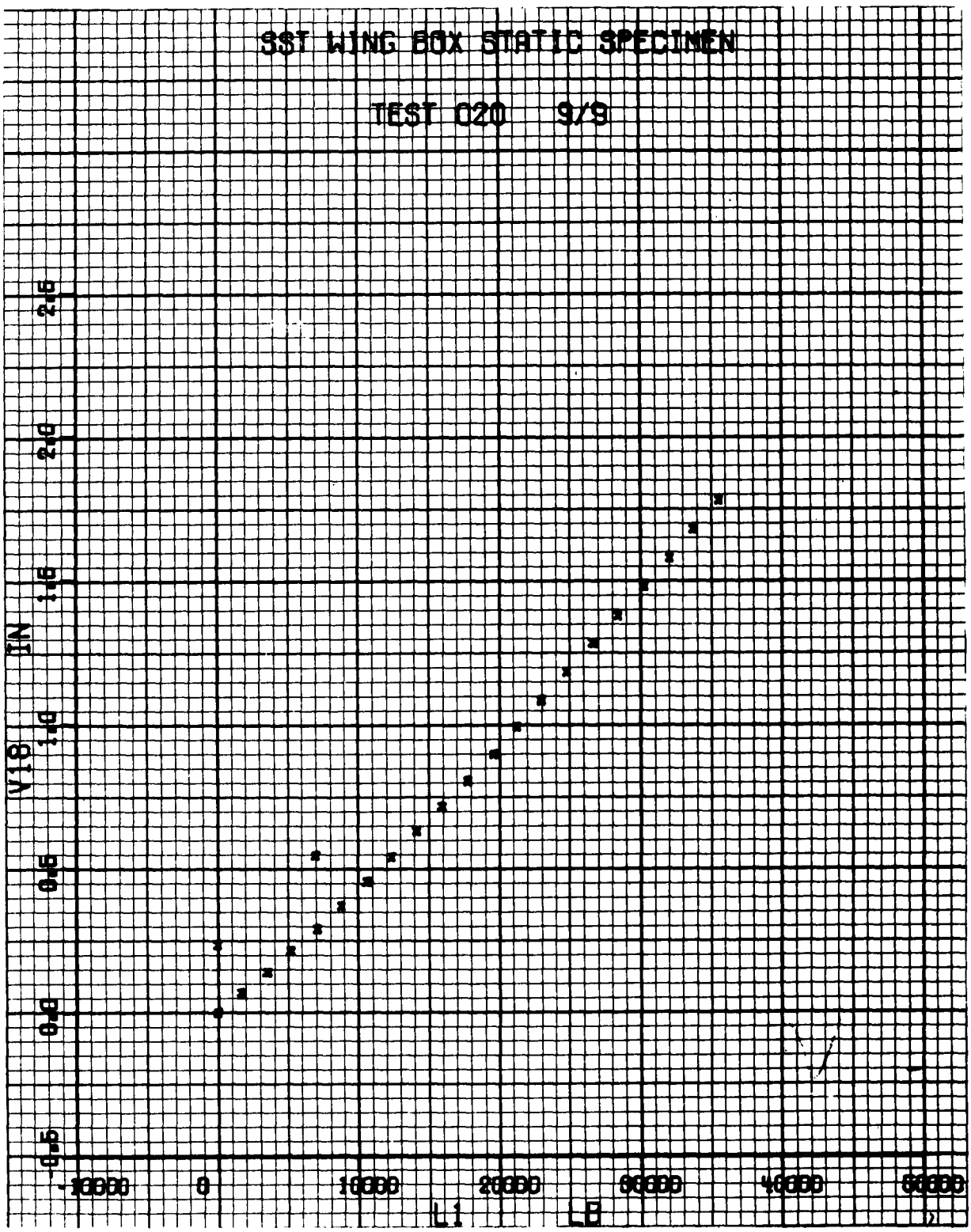
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V18
IN
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2.0
1.6
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10000
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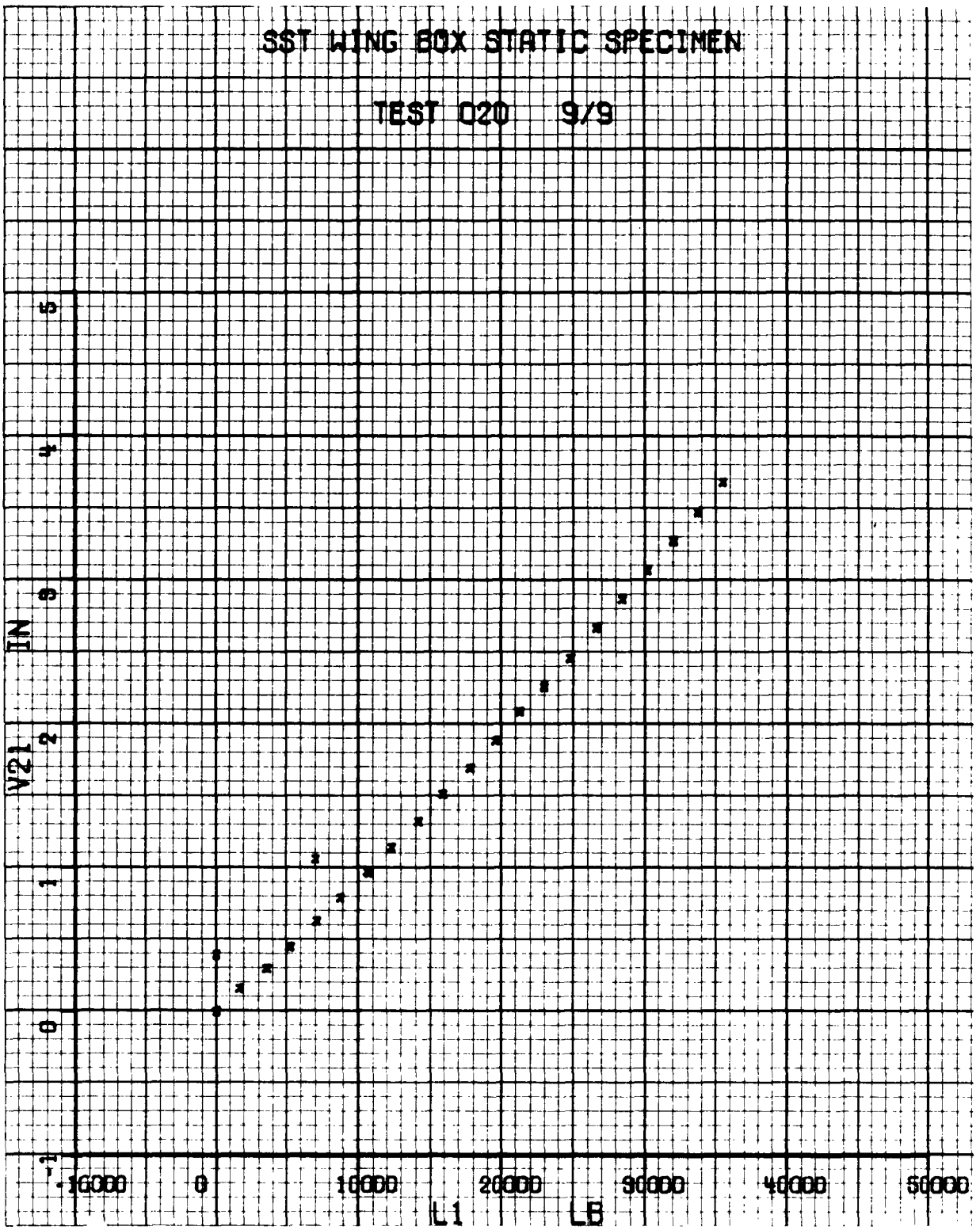
L1
LB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TEST 020 9/9
IN
V21
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2
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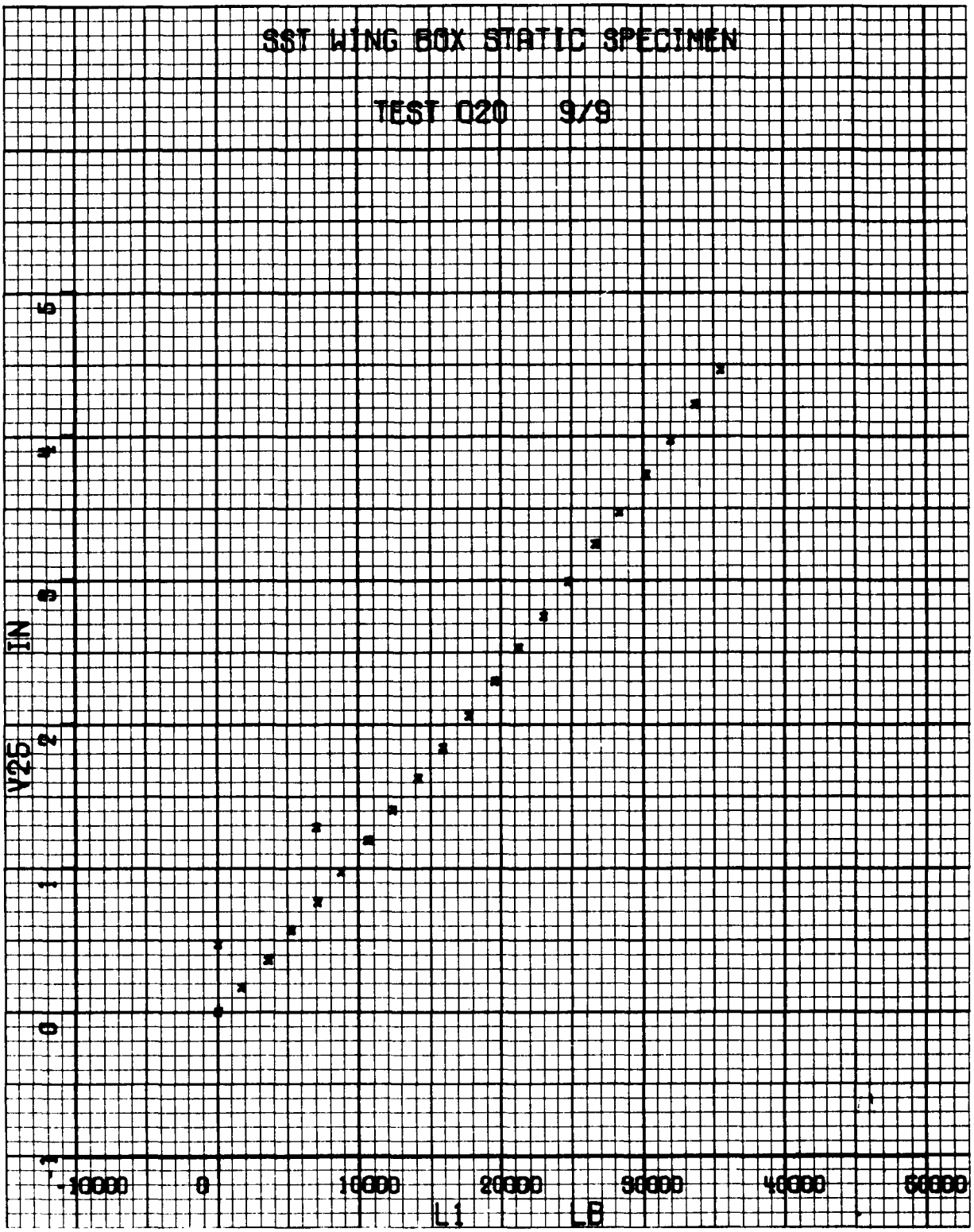
LB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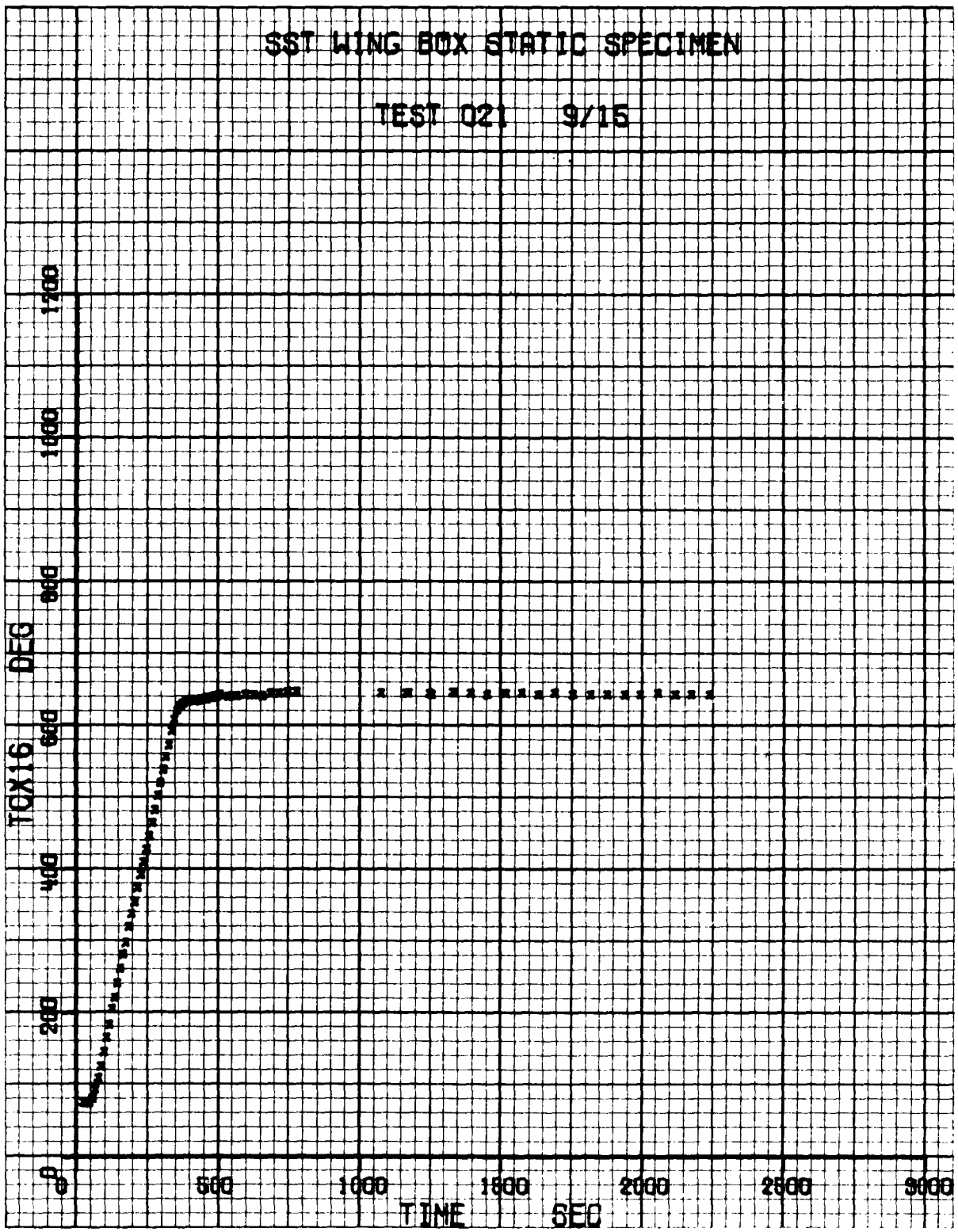
TEST 020 9/9
V25
IN
5
4
3
2
1
0
-1
-10000
0
10000
20000
30000
40000
50000
L1
LB

TEST No. 21

Jack Location	W.S. 189 ; F.S. 60
Jack Load, lb	7,070
Percent of Limit	20
Fuel Condition	Tanks EMPTY
Tank Pressure, psi	0
Maximum Surface Temperature, °F	650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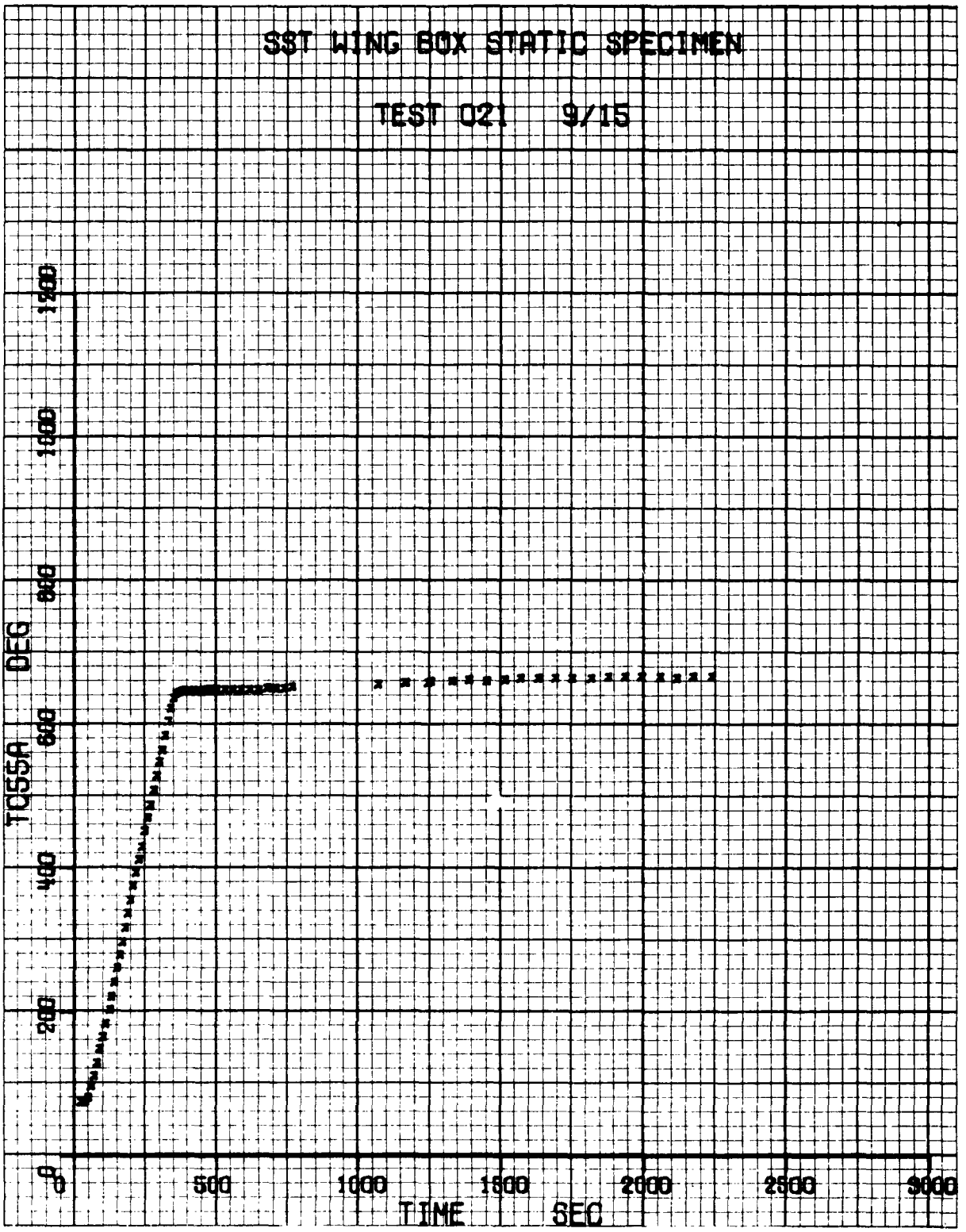
TCX16 DEG
1200
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
TCSSA DEG
0
200
400
600
800
1000
1200
0
500
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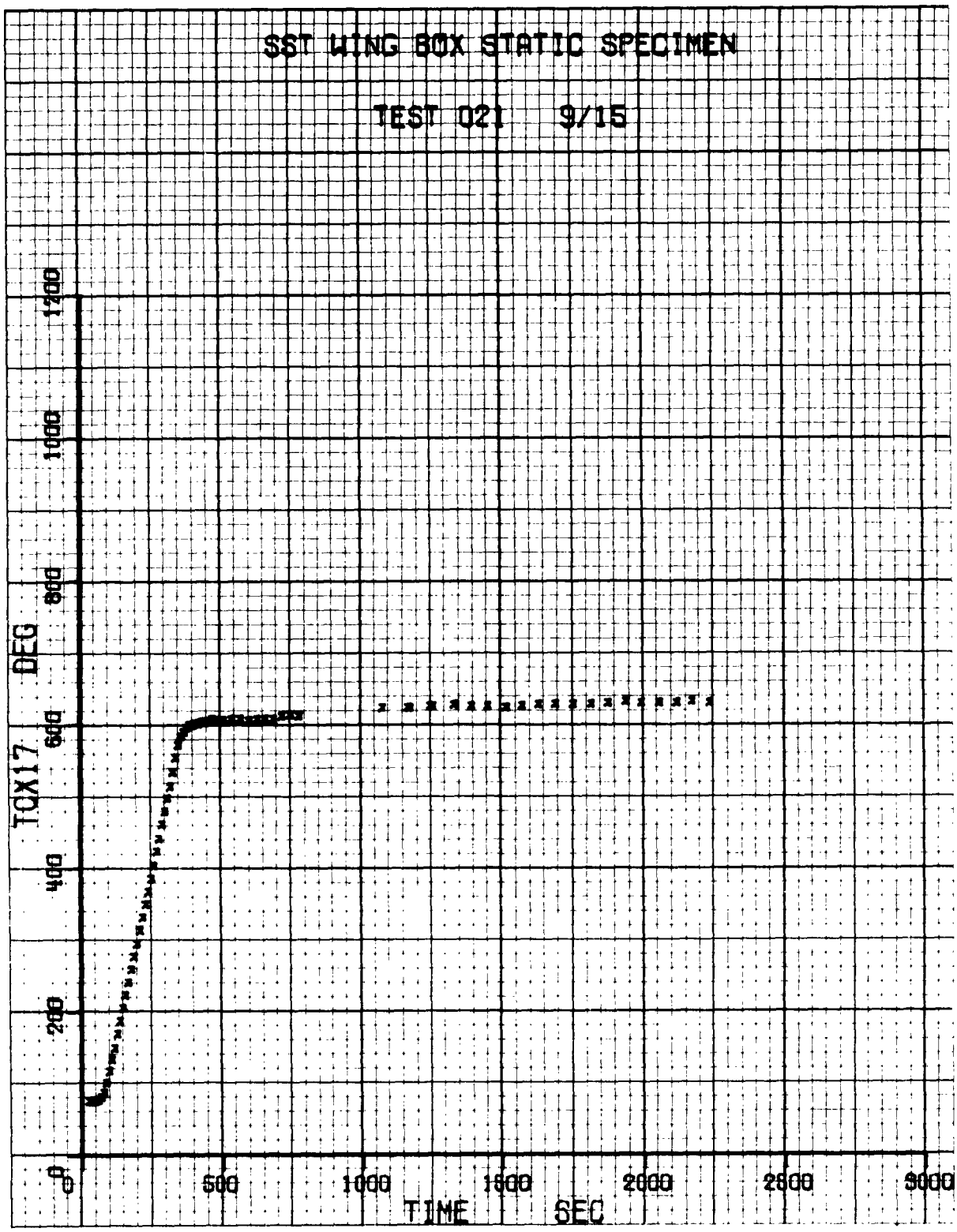
1500
2000
2500
3000
TIME SEC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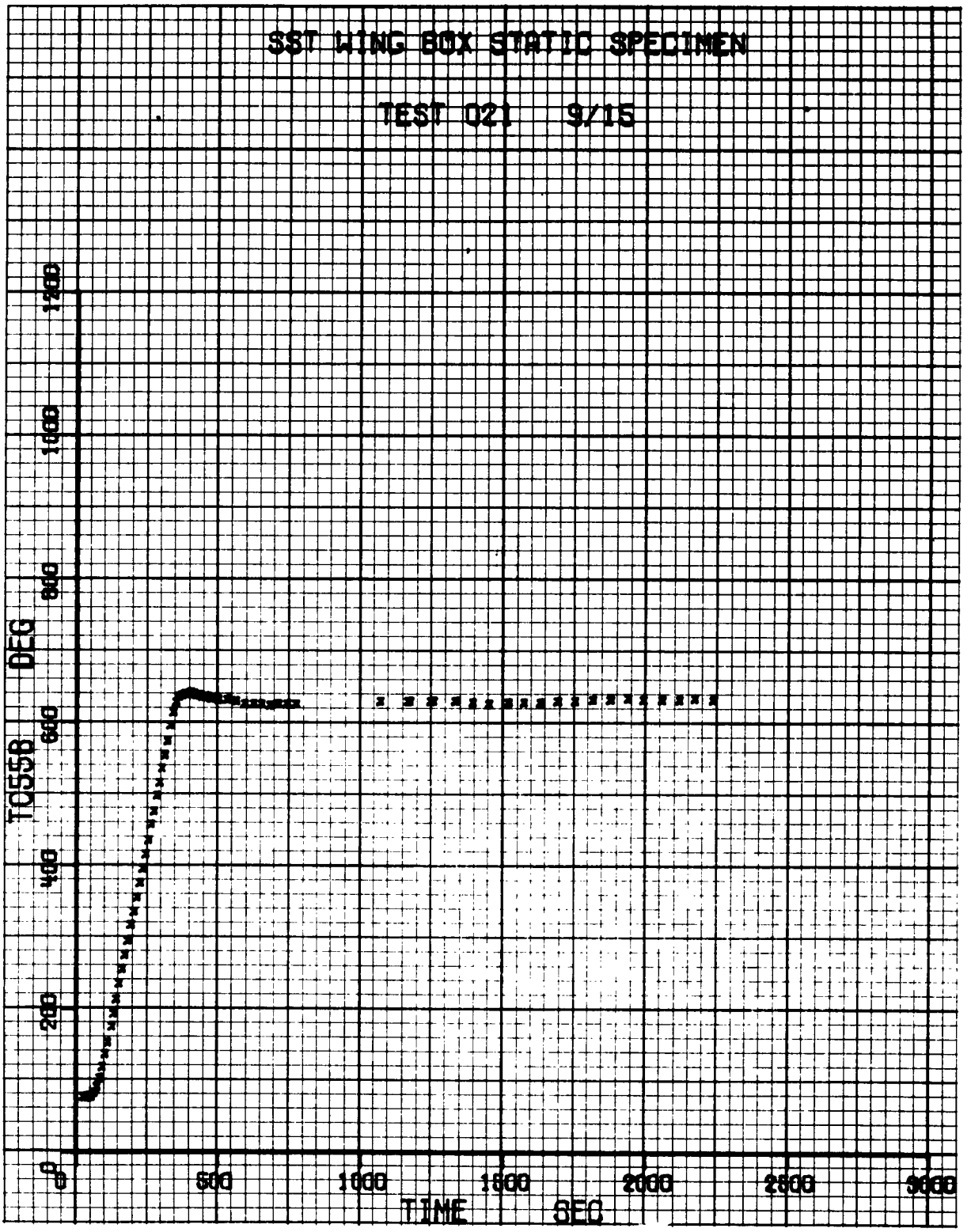
TIME SEC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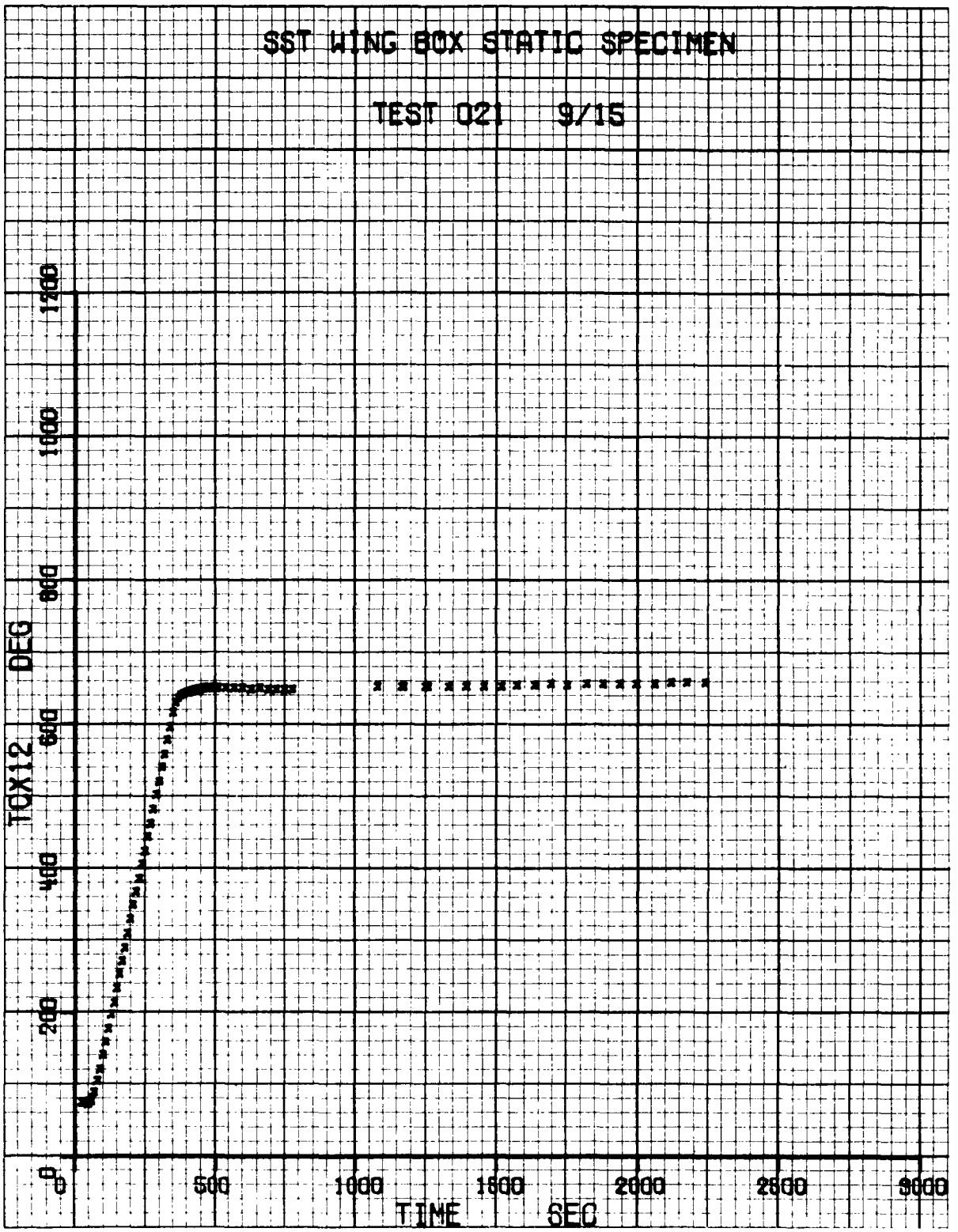
3000
TIME SEC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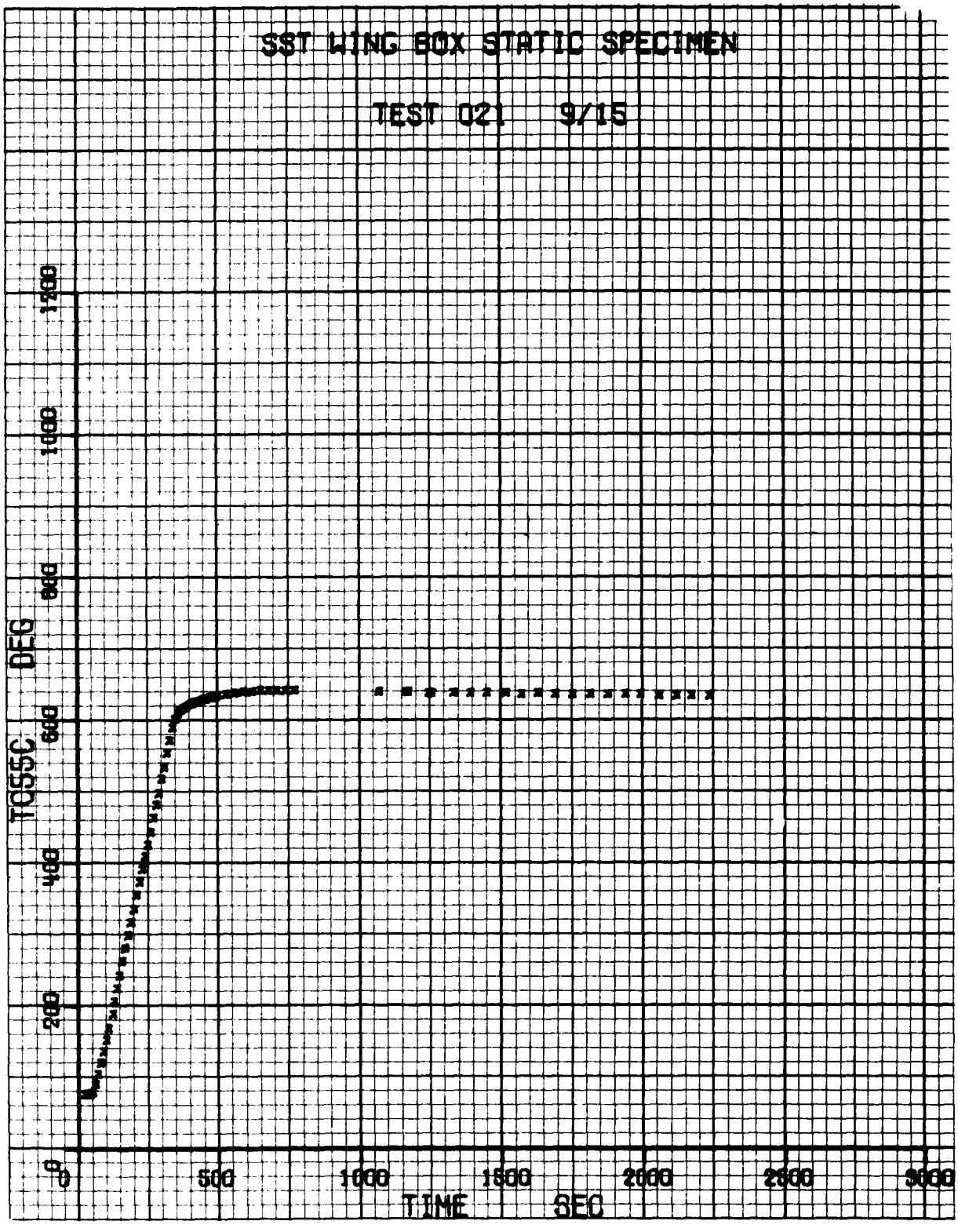
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
TIME SEC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TCSSC DEG
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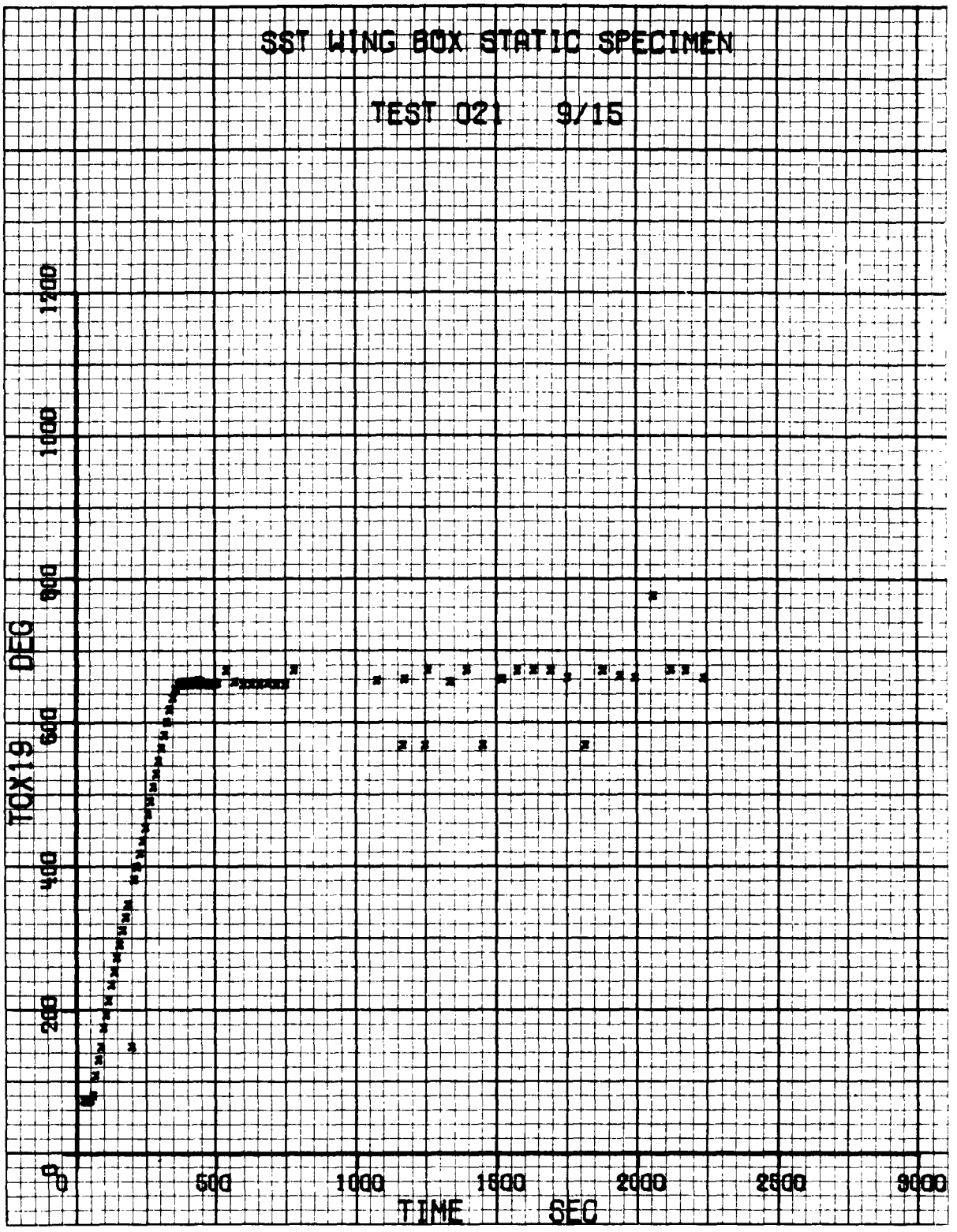
TIME SEC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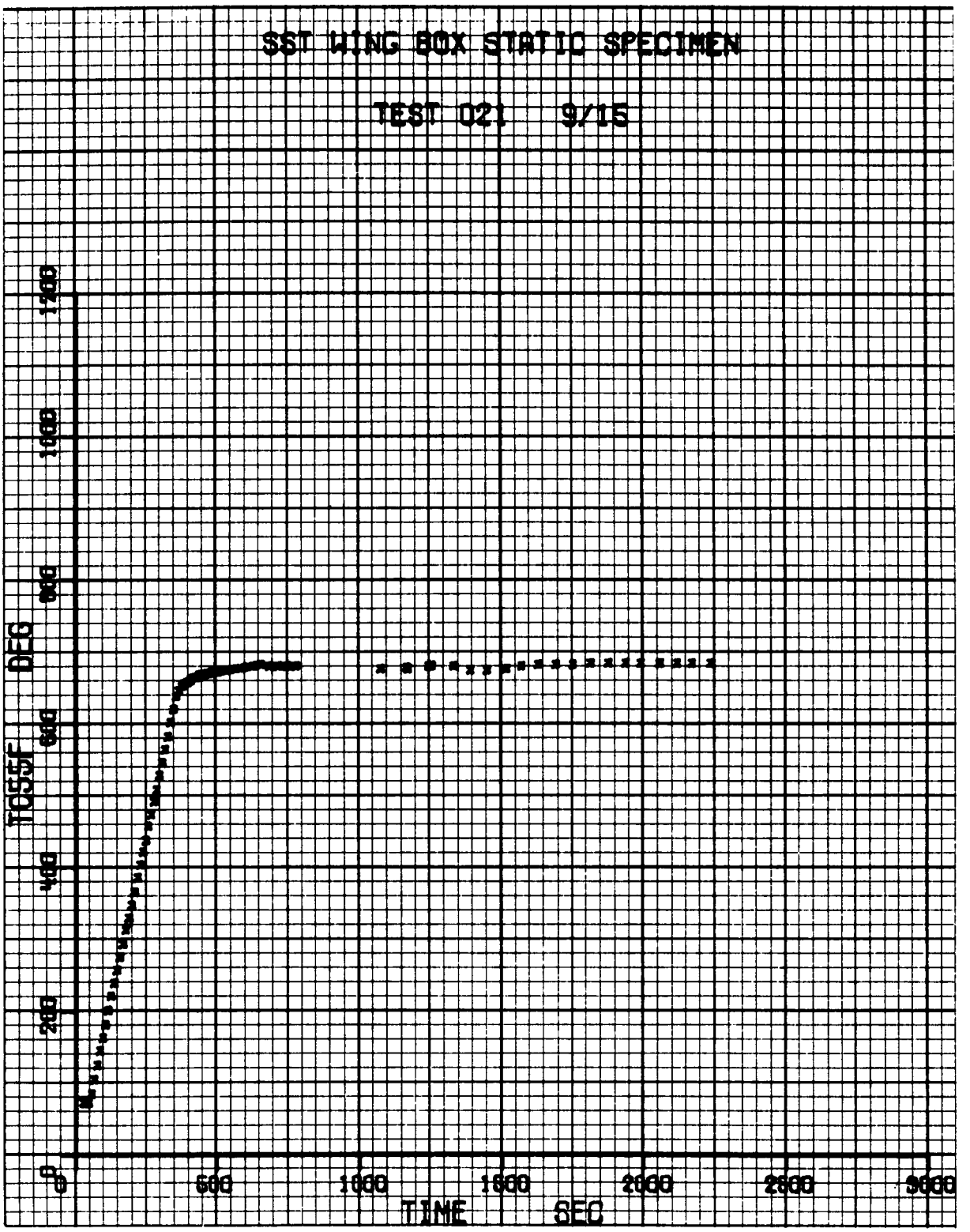
3000
TIME SEC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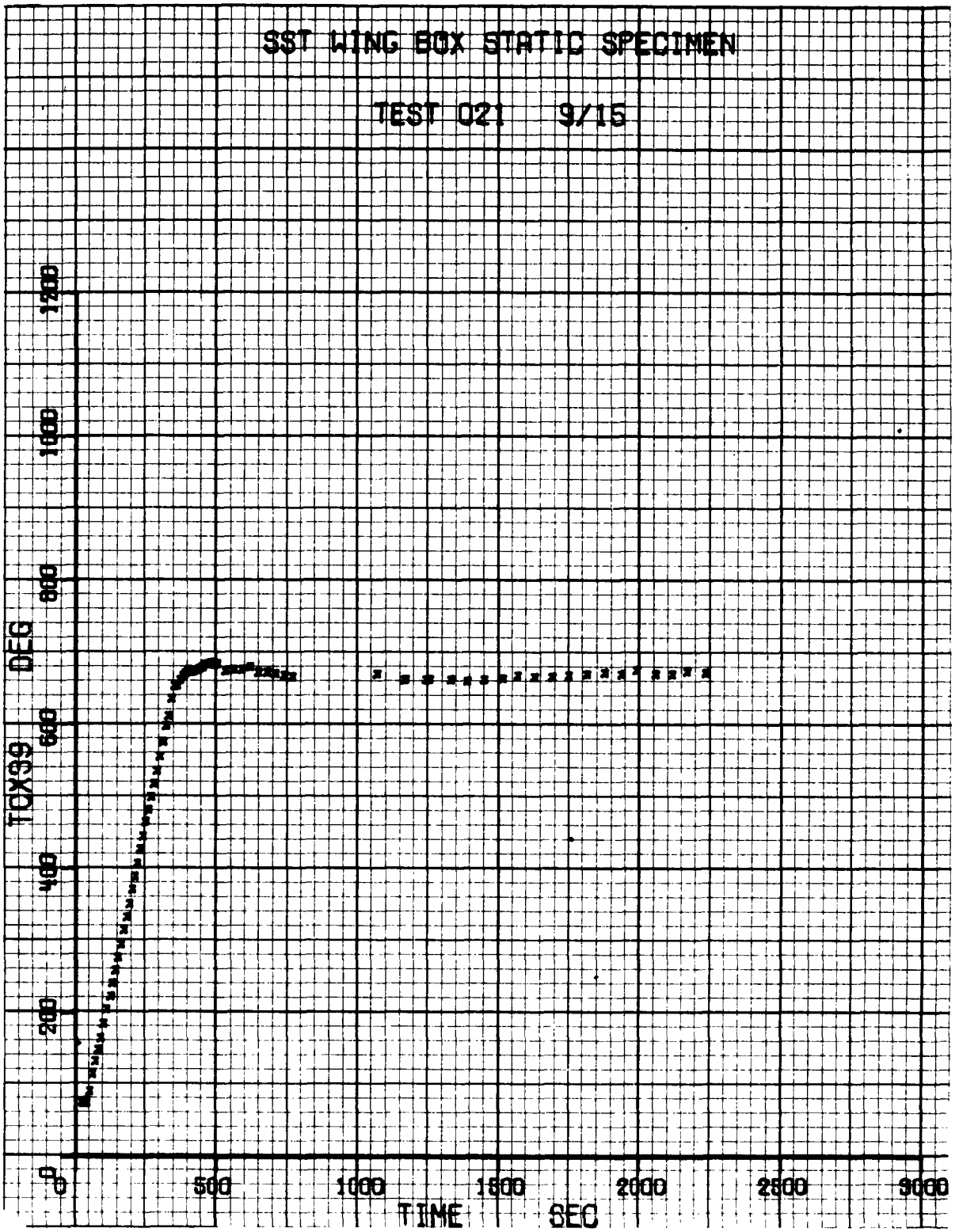
3000
TIME SEC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TCX39 DEG
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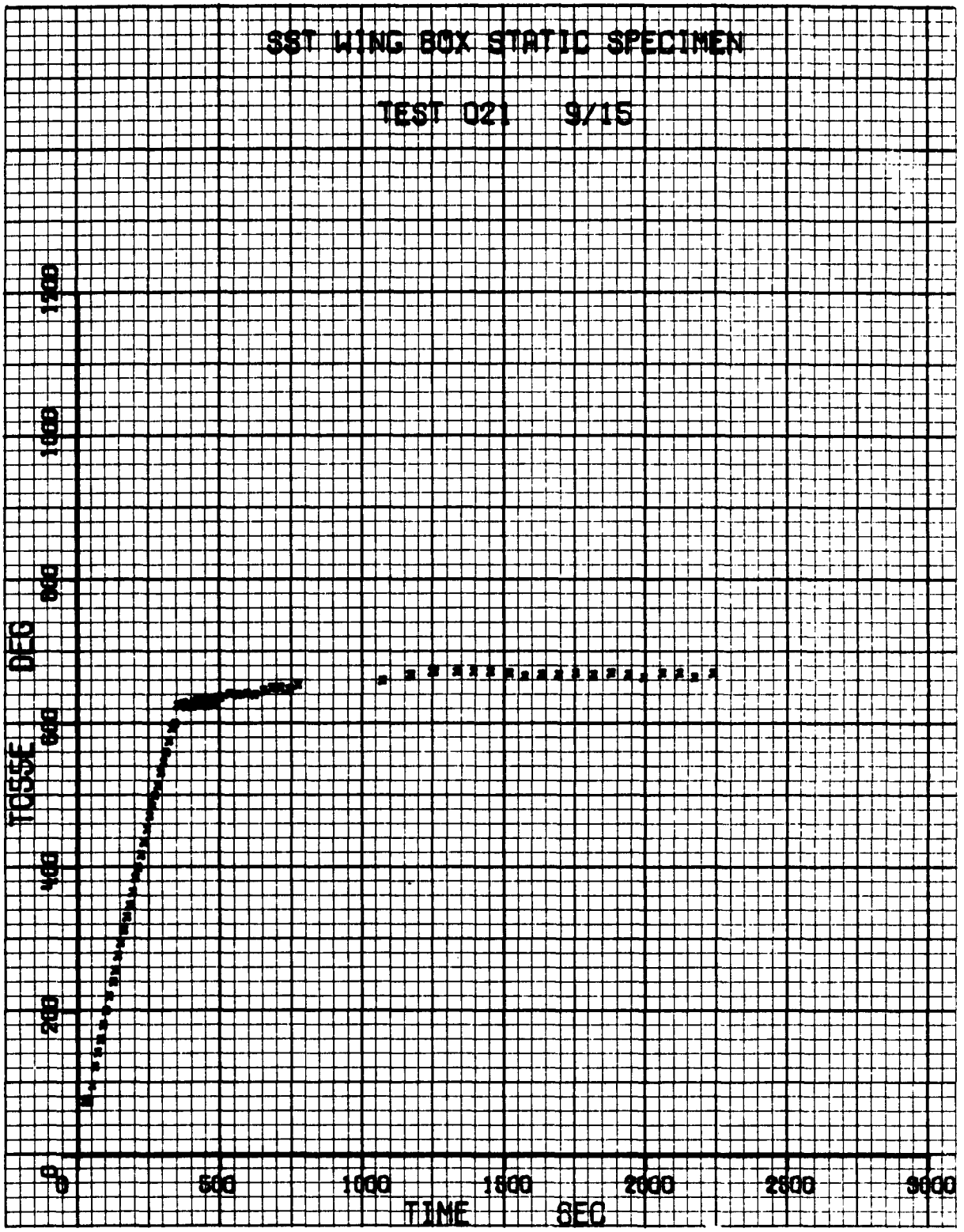
2500
3000
TIME SEC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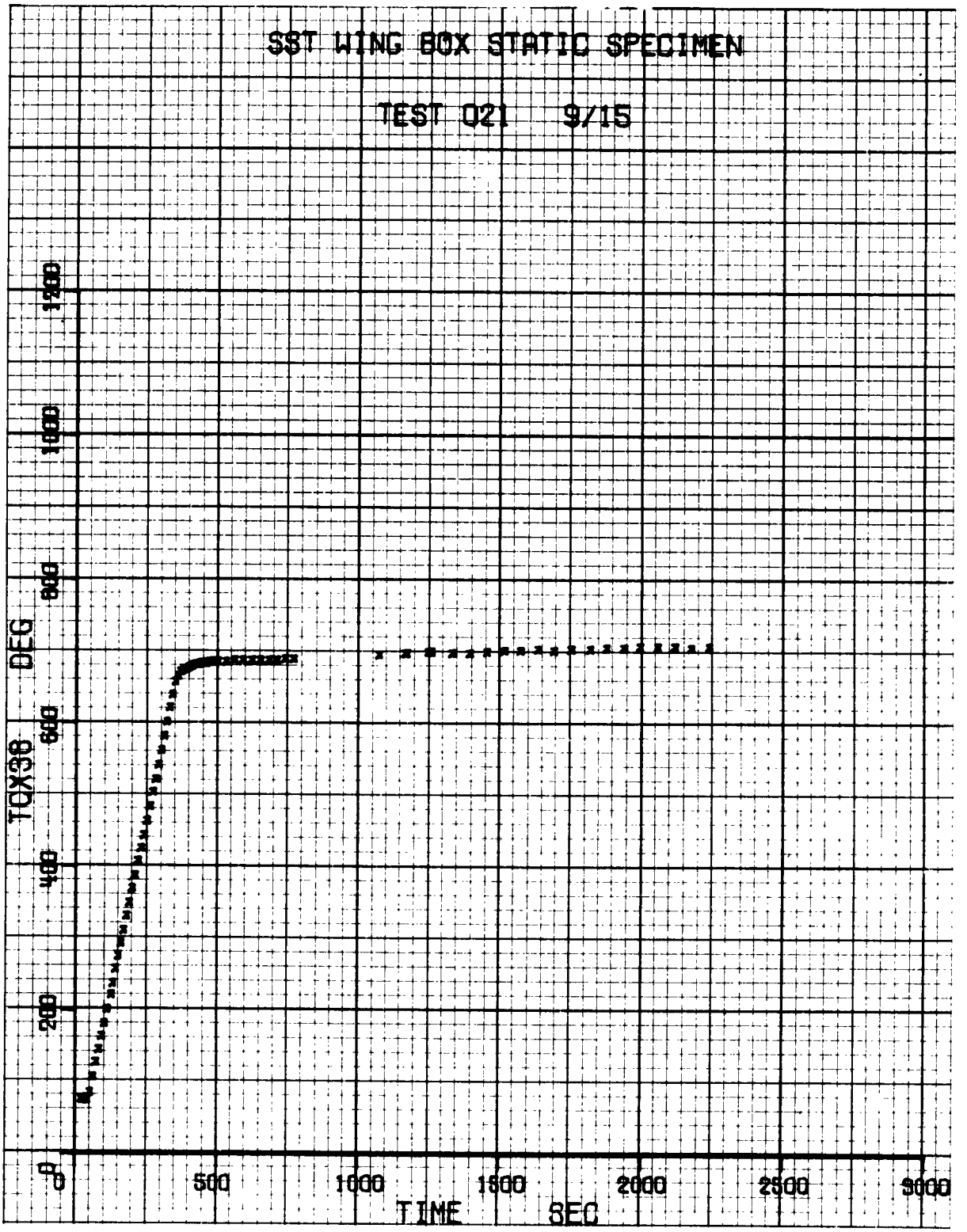
TIME SEC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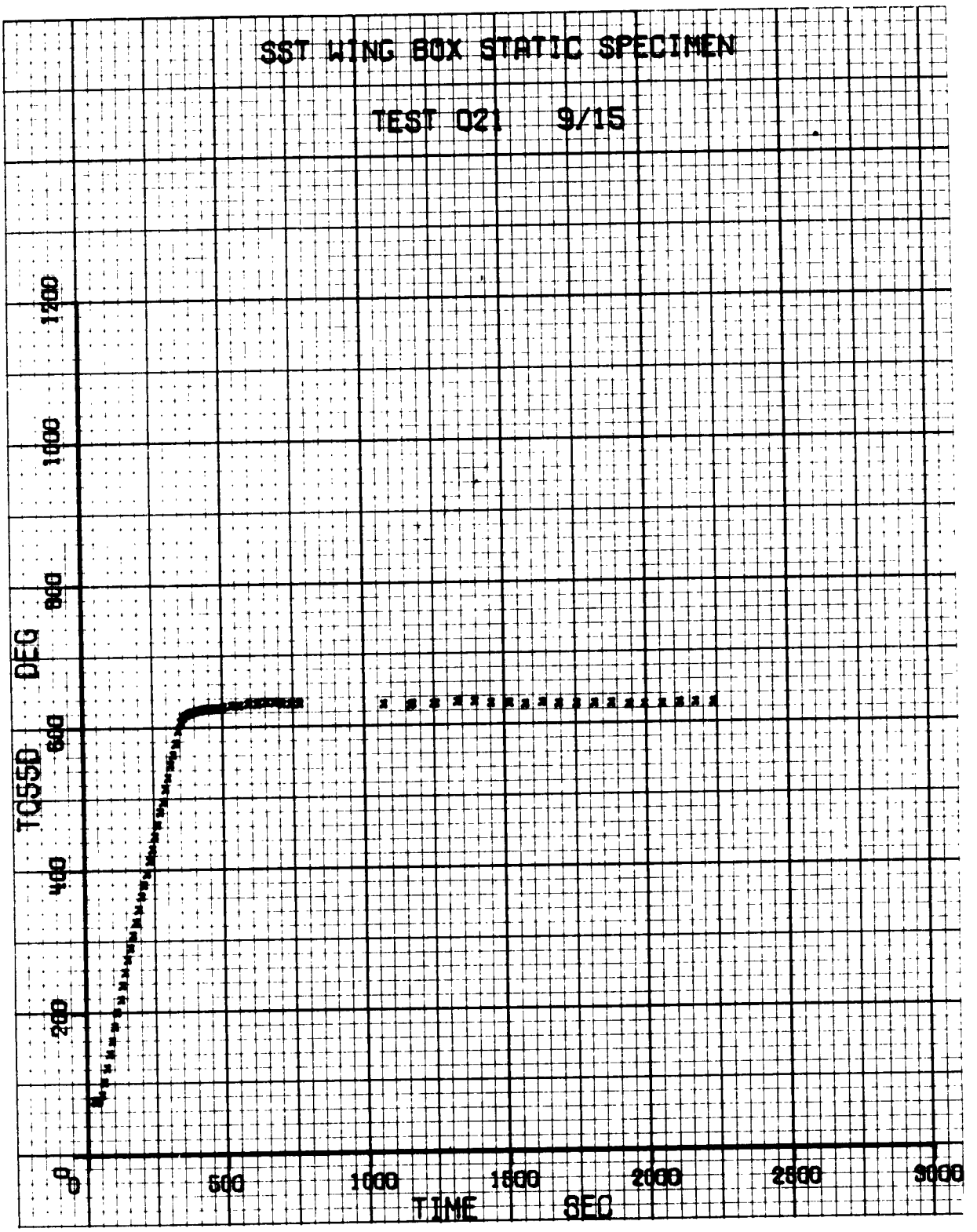
TIME SEC


SST WING BOX STATIC SPECIMEN
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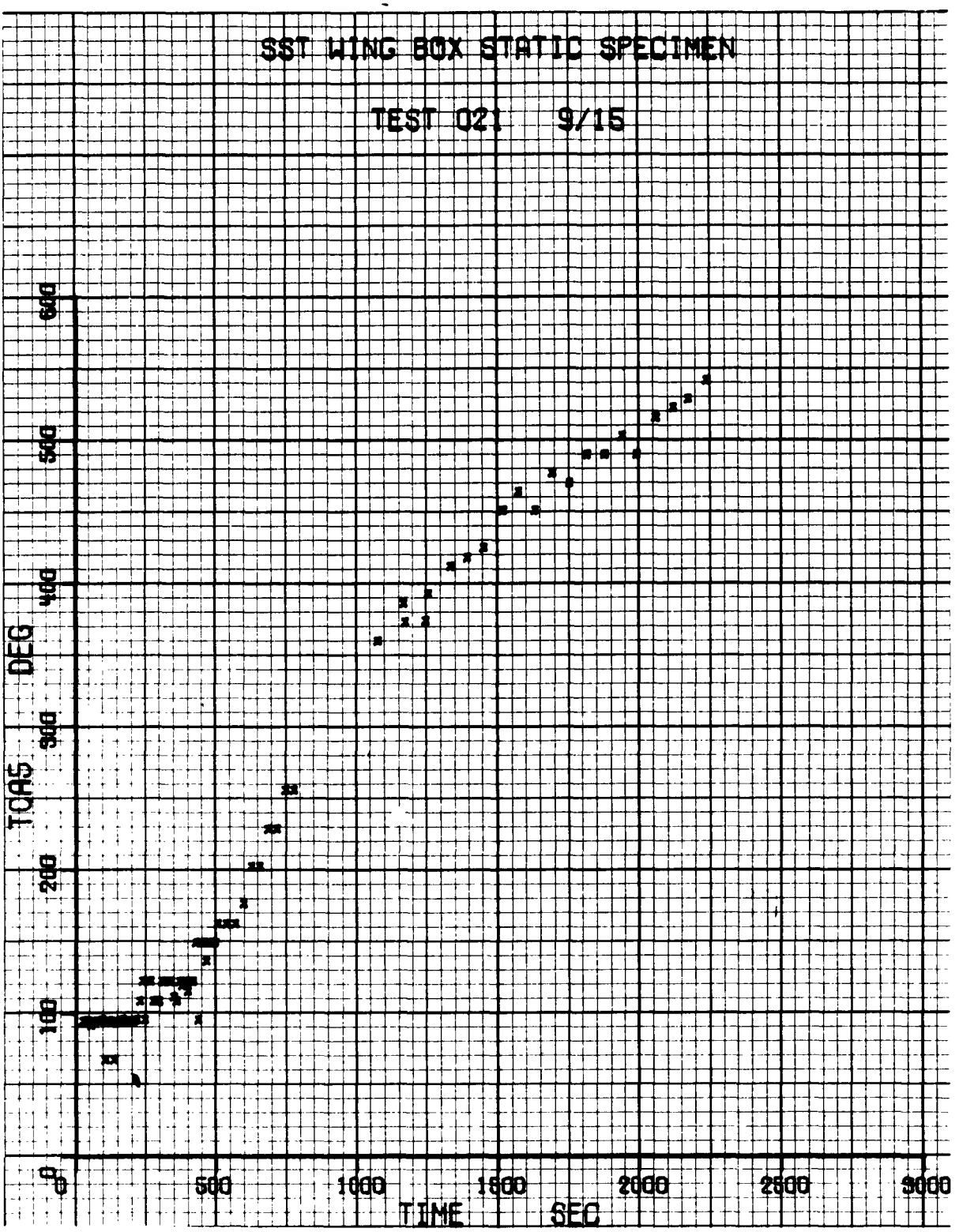
3000
TIME SEC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TCAS DEG
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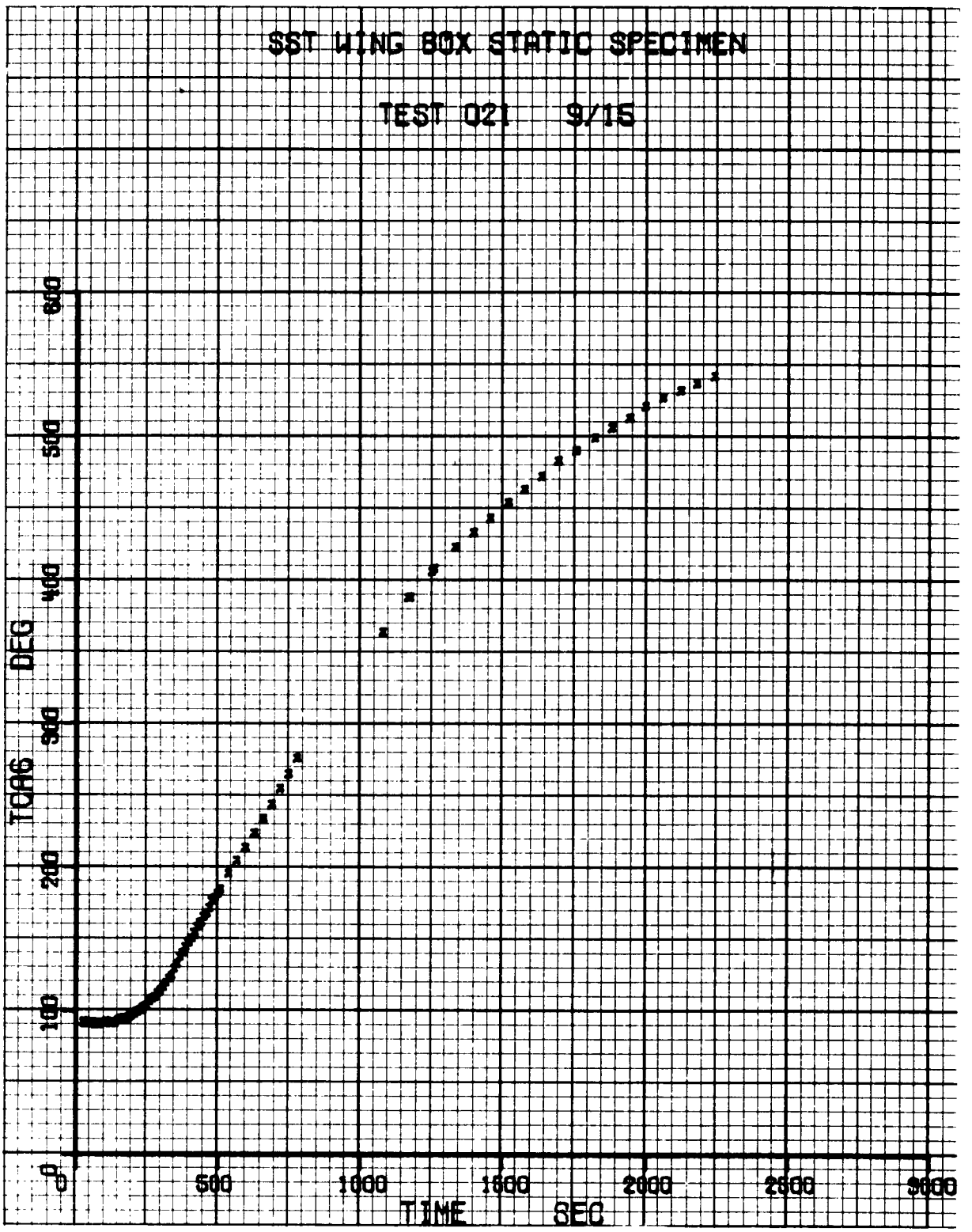
TIME SEC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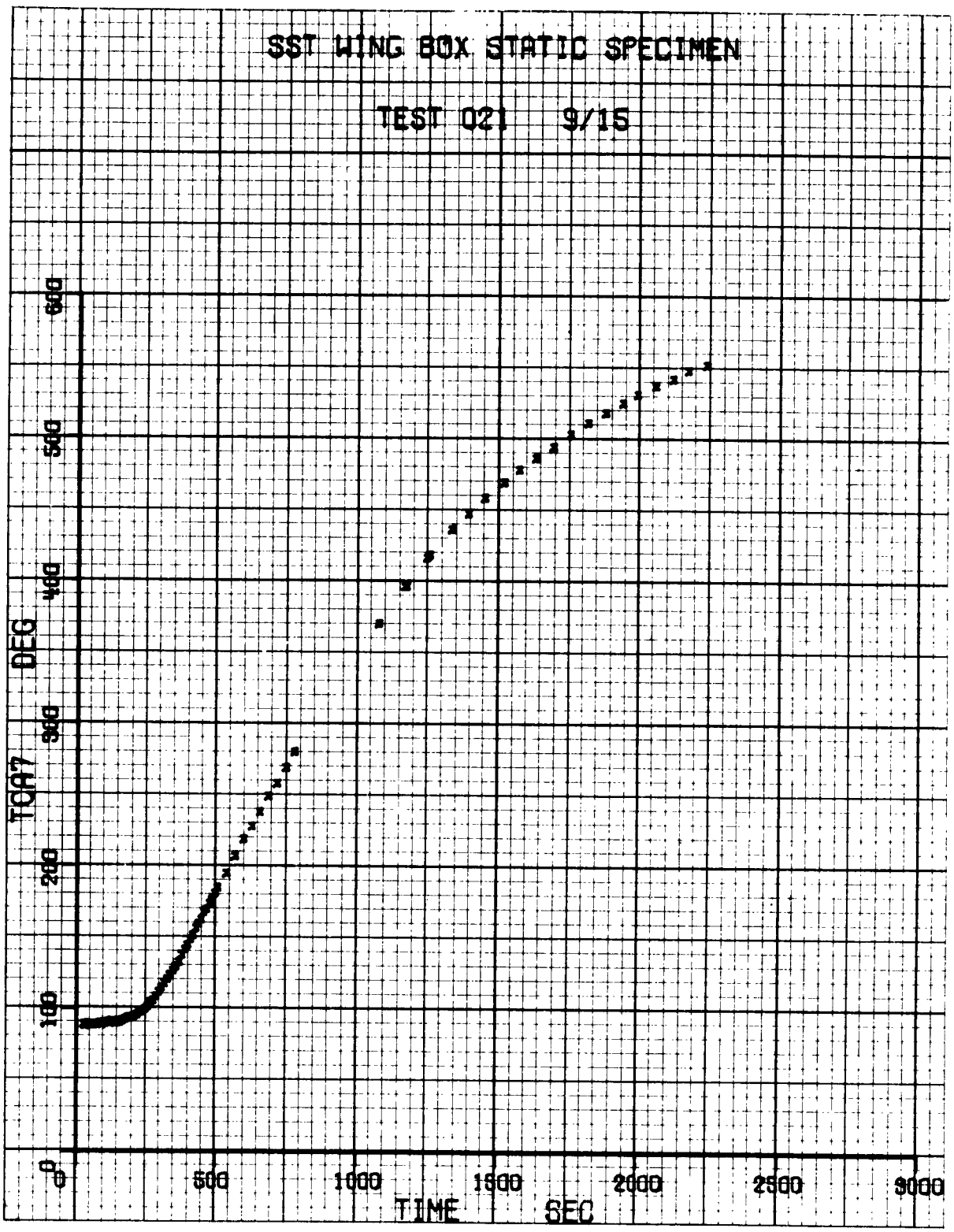
TIME SEC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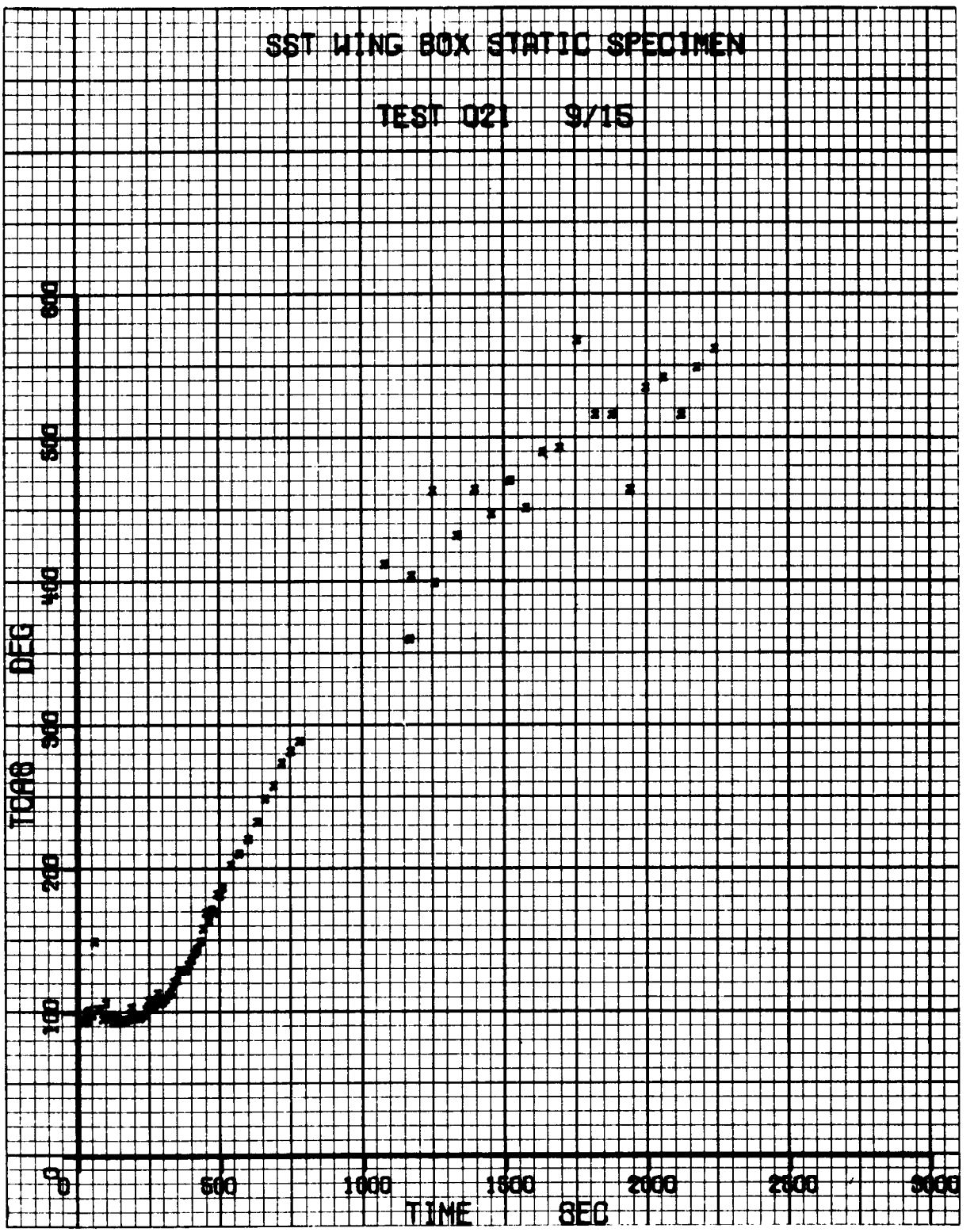
TIME SEC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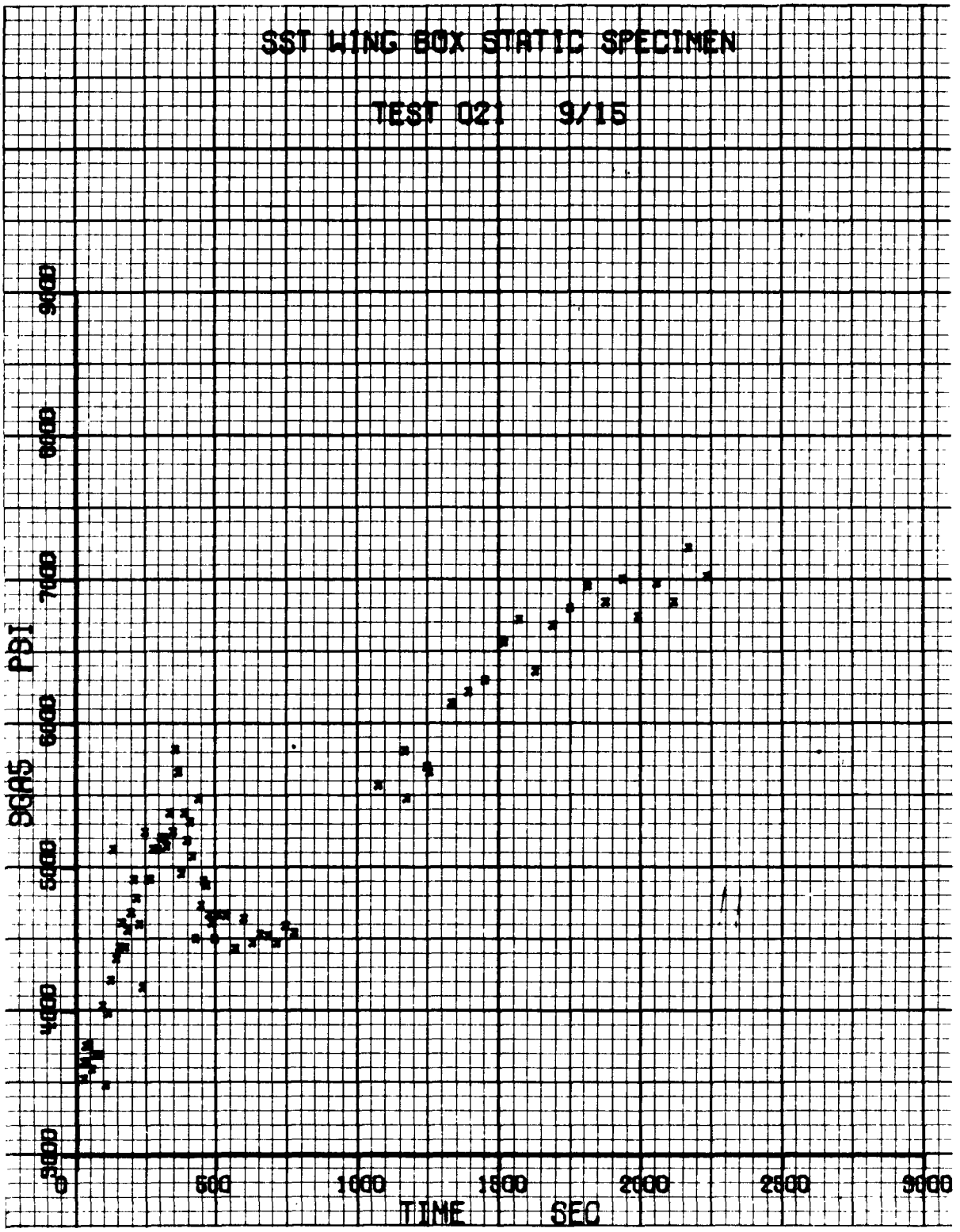
TIME SEC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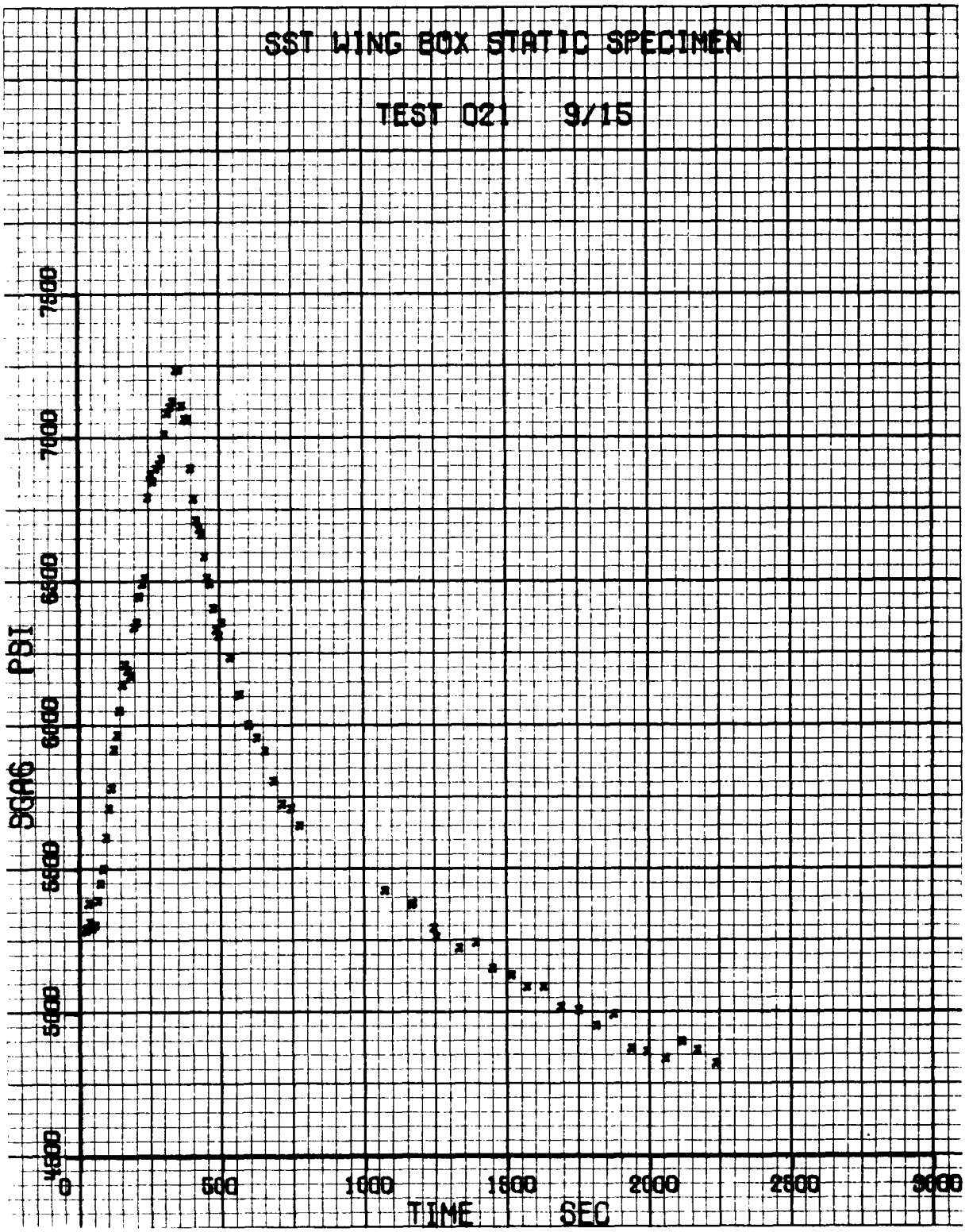
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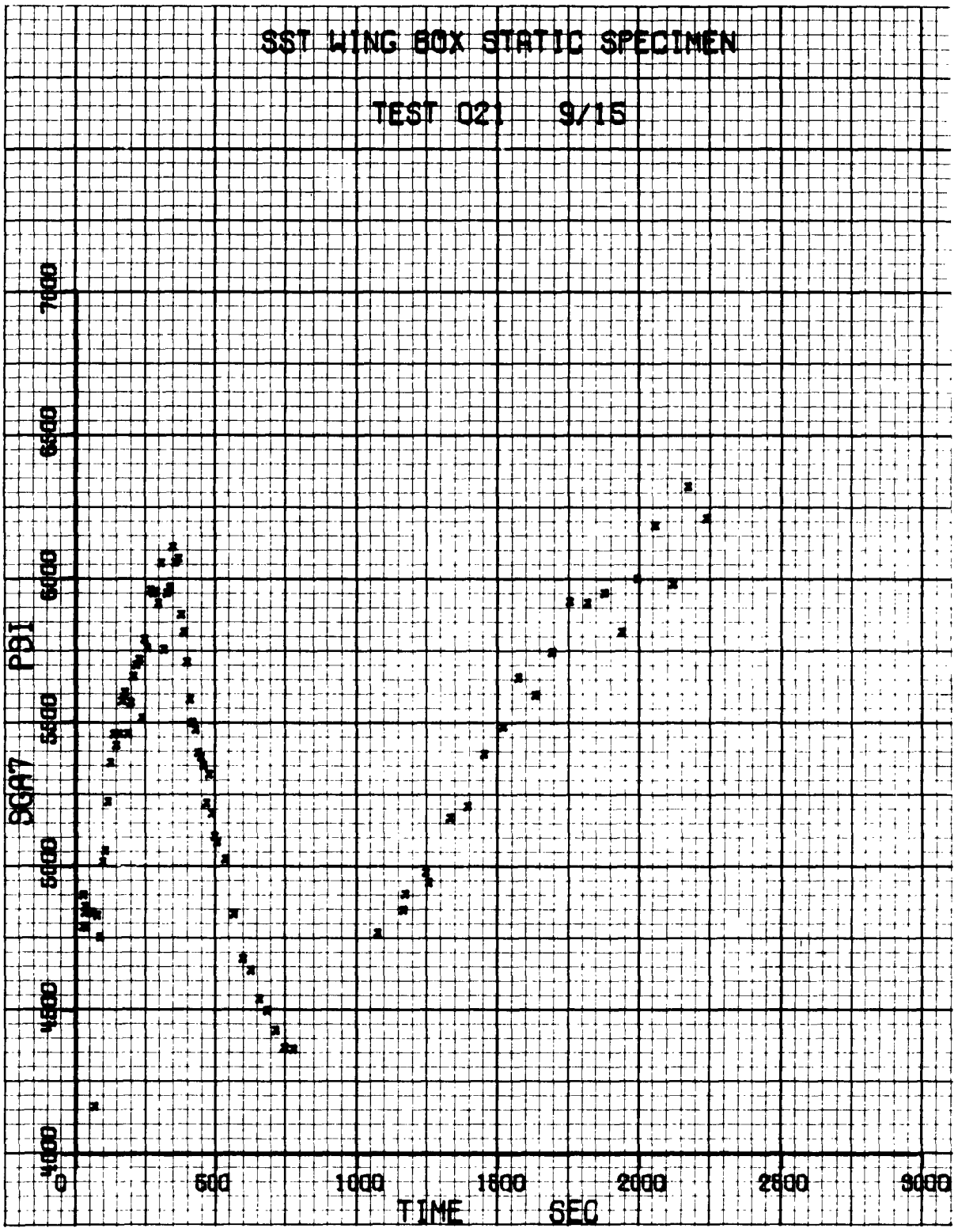
TIME SEC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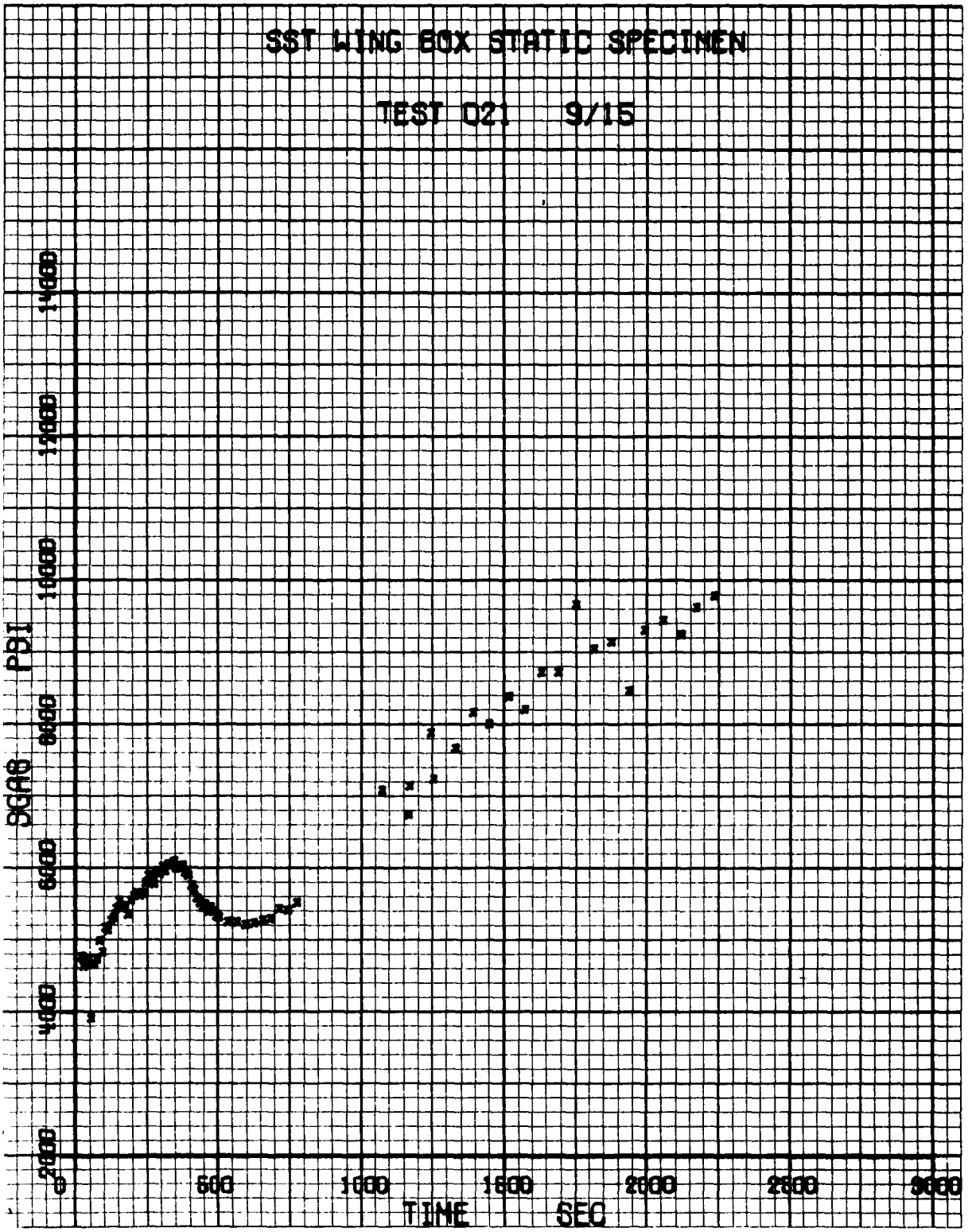
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TIME SEC
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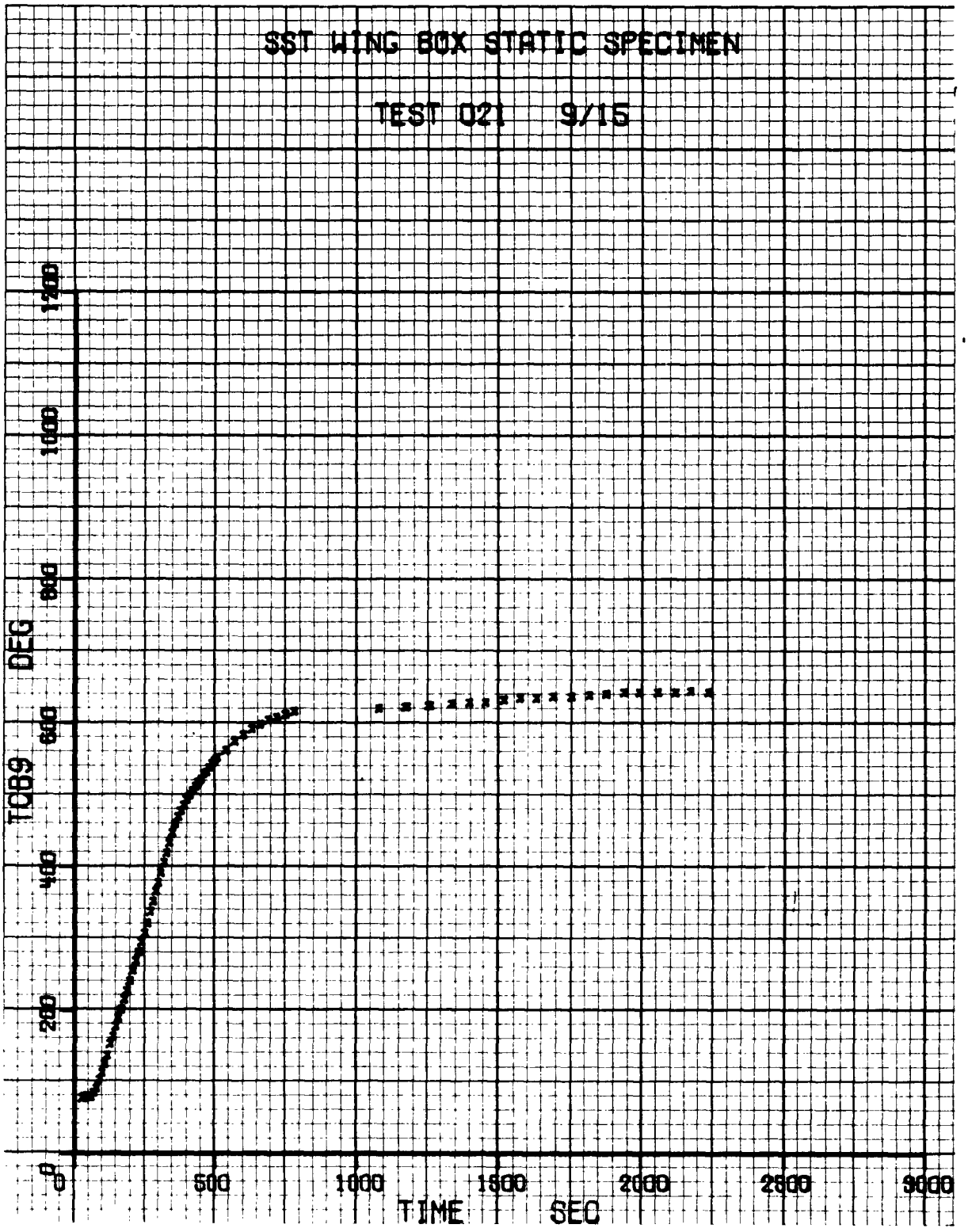
SST WING BOX STATIC SPECIMEN
TEST 021 9/15
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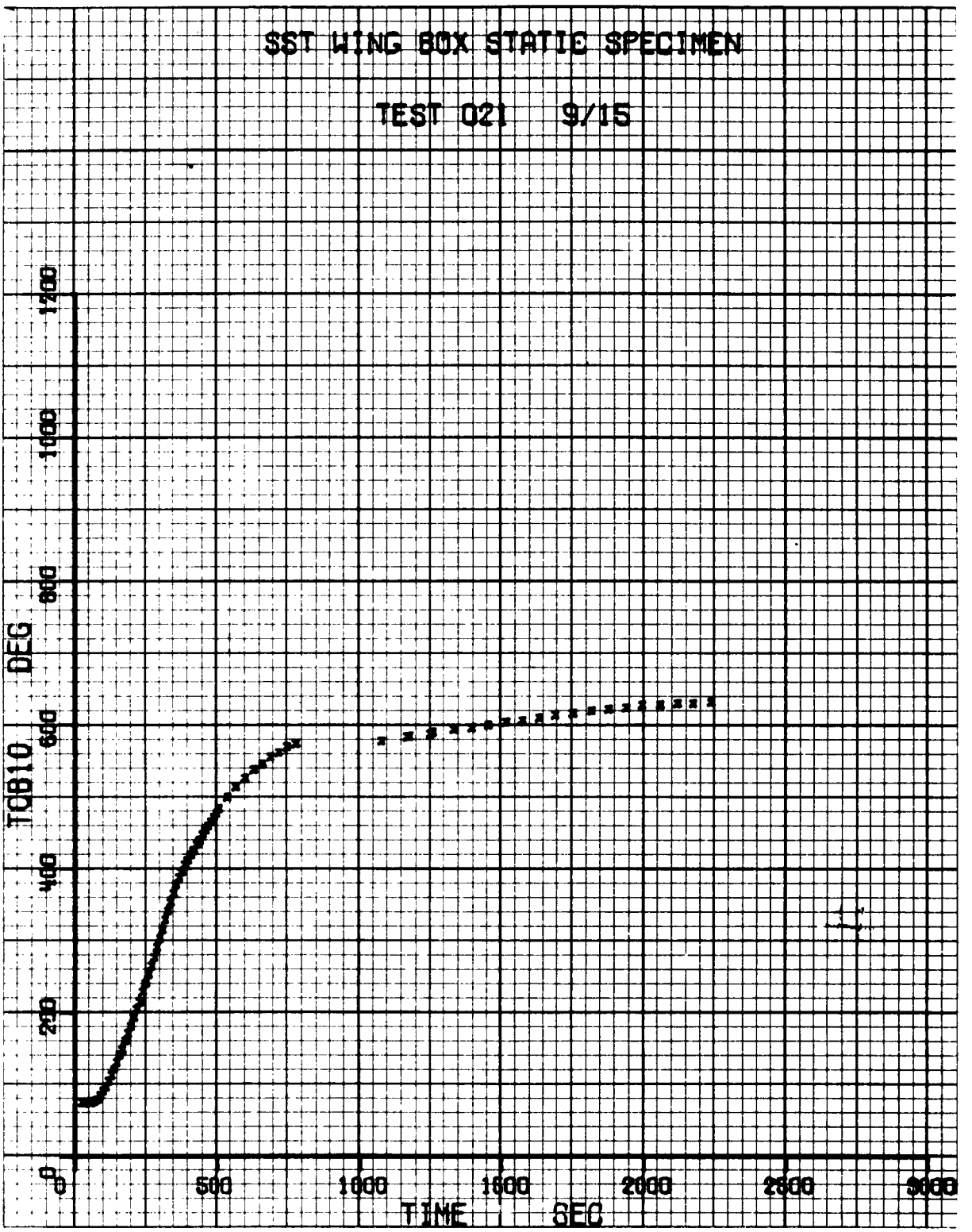
TIME SEC


SST WING BOX STATIC SPECIMEN
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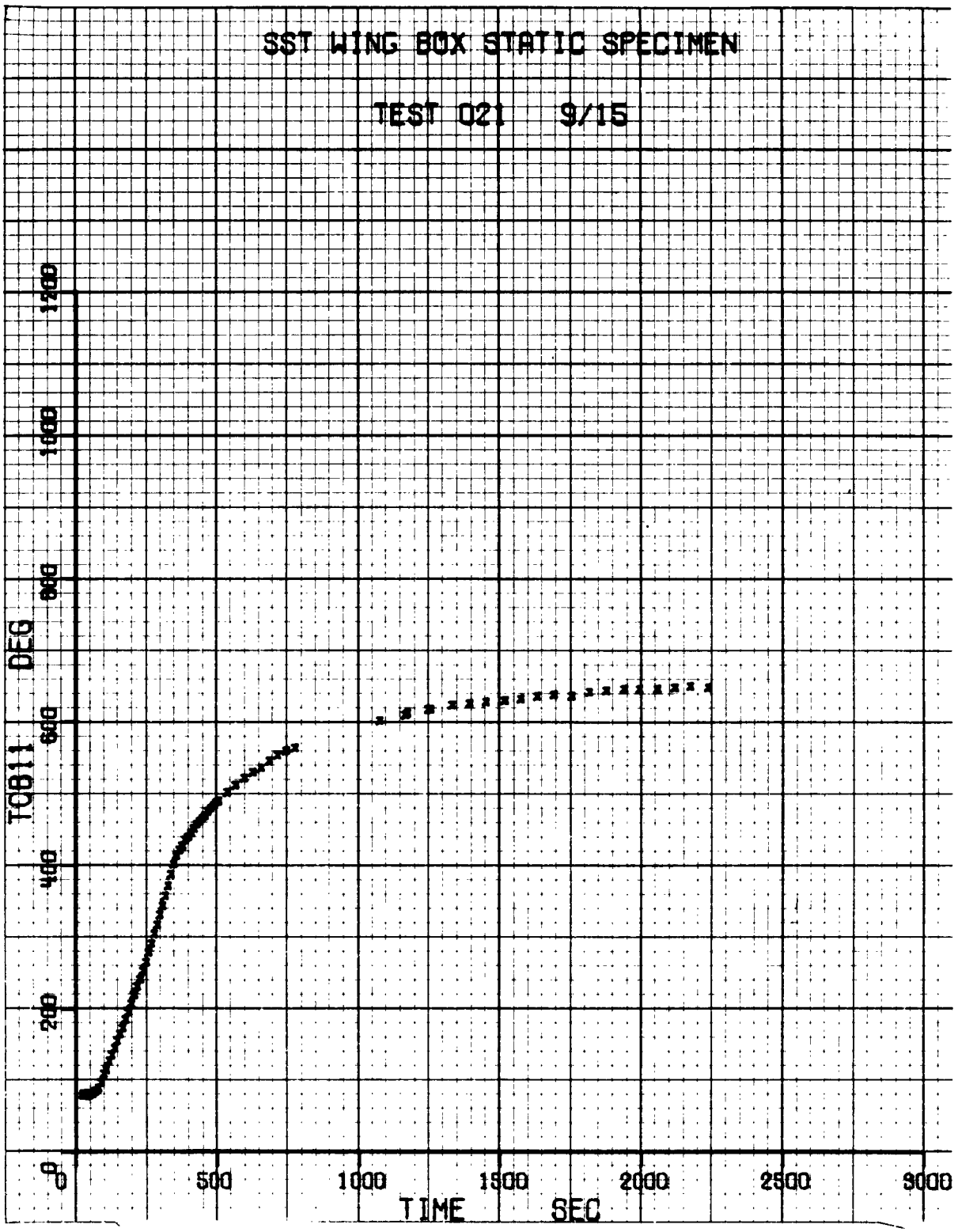
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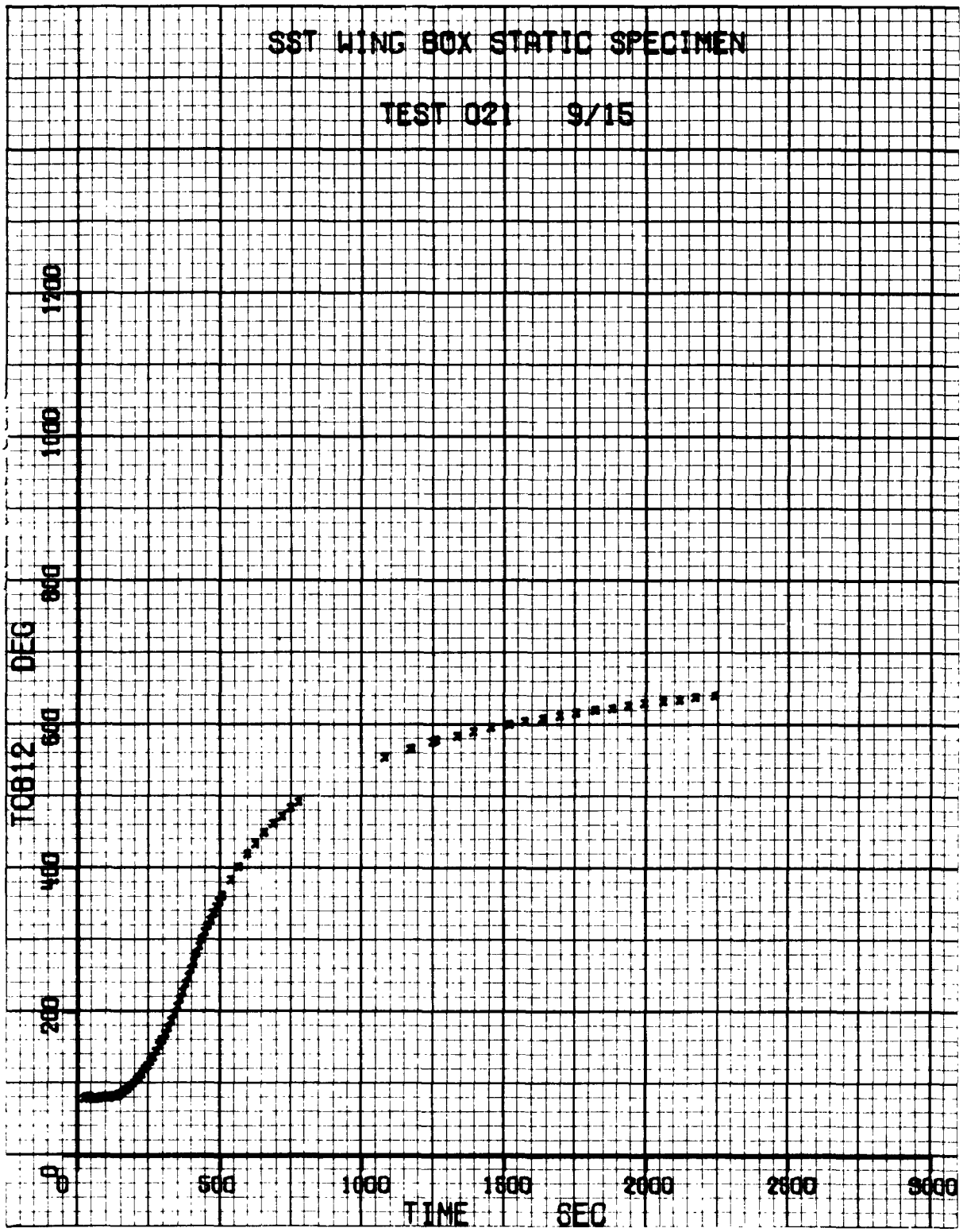
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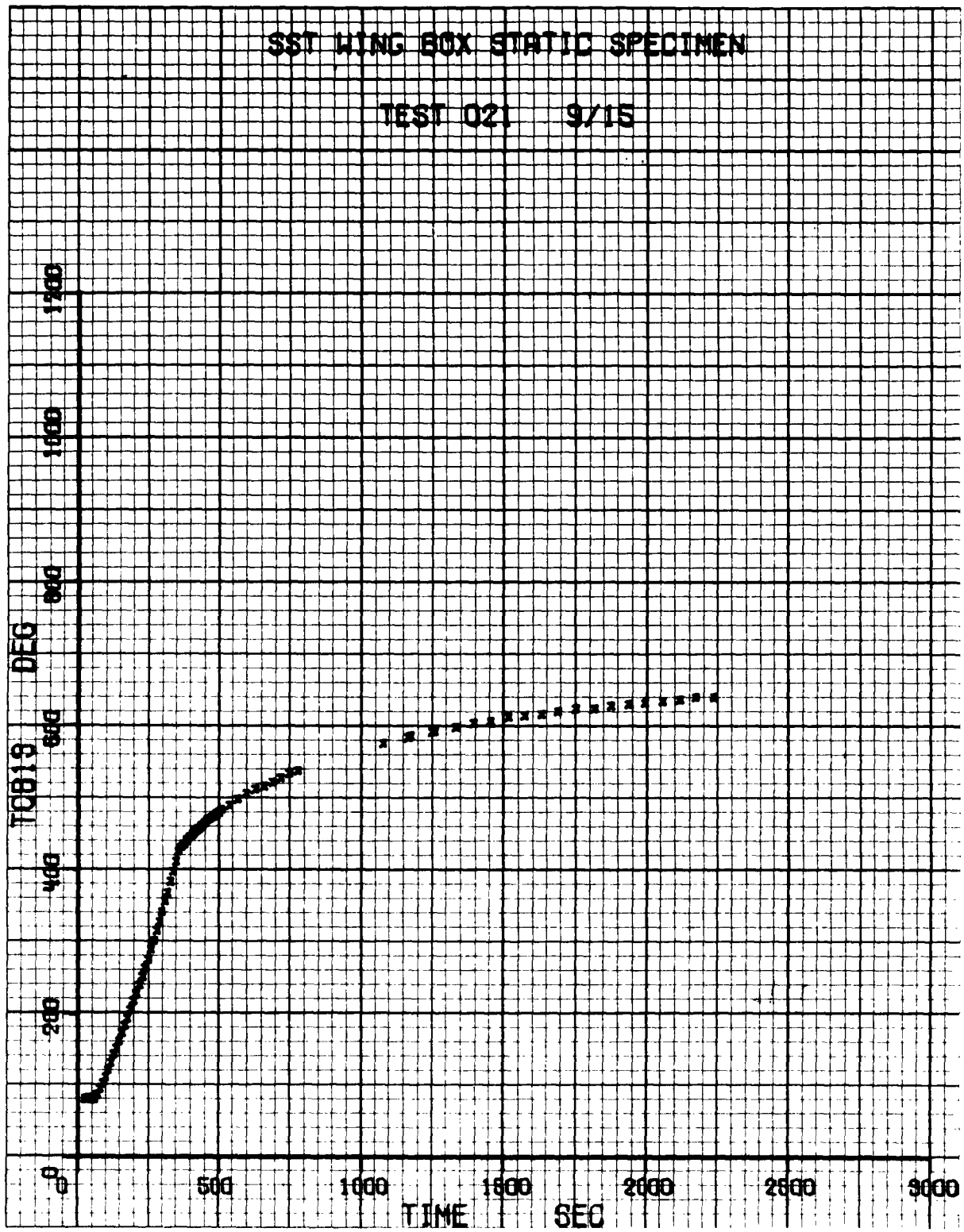
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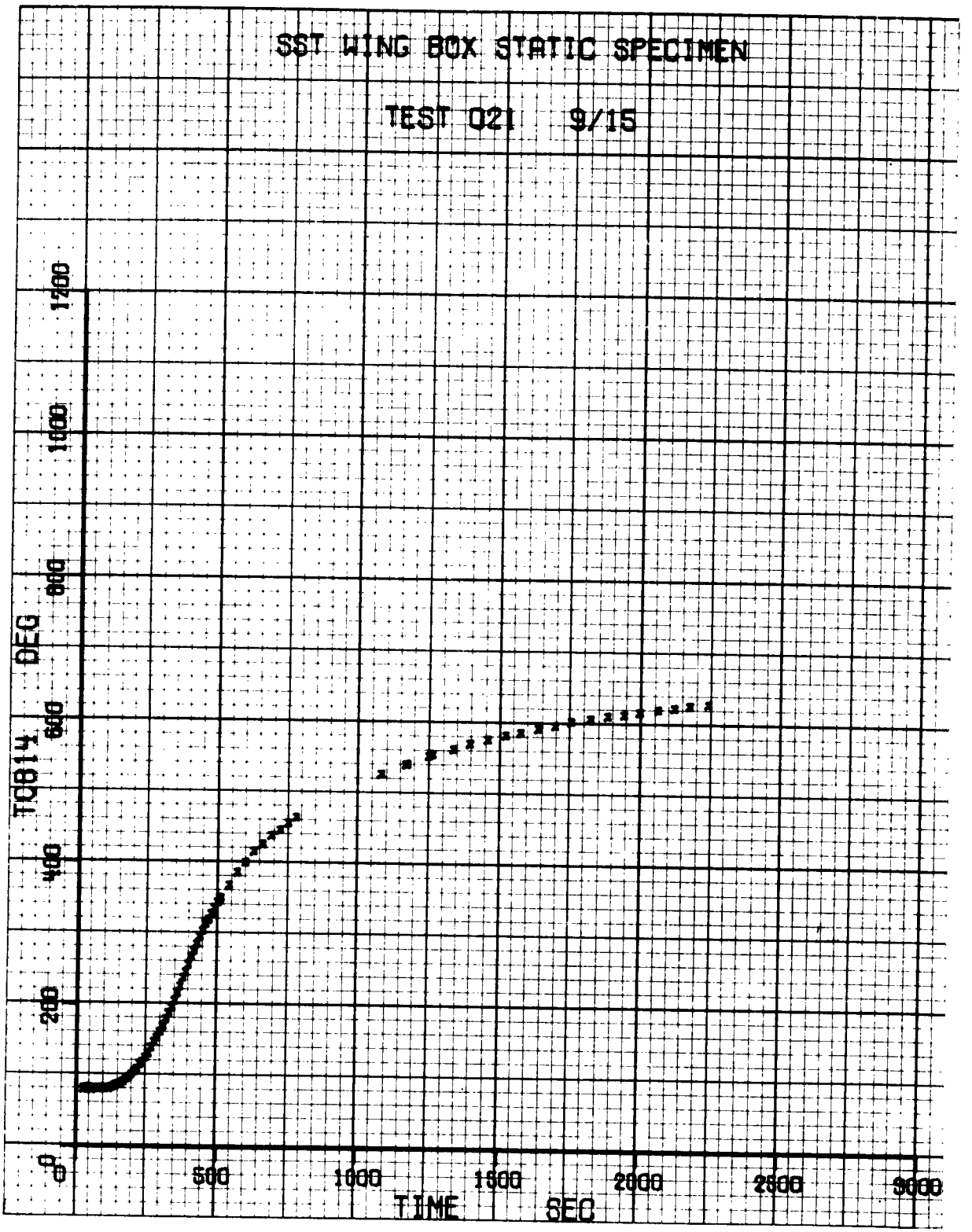
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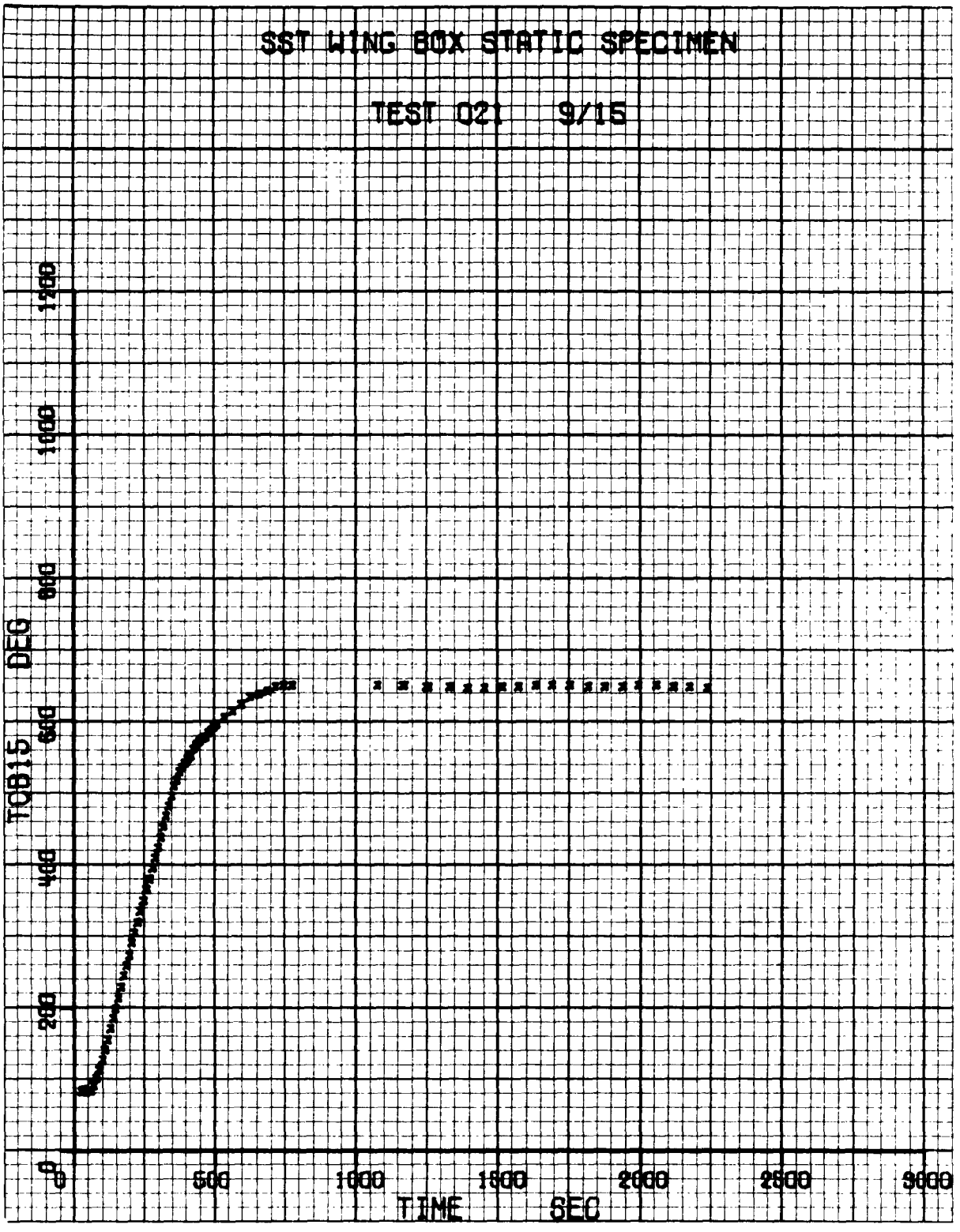
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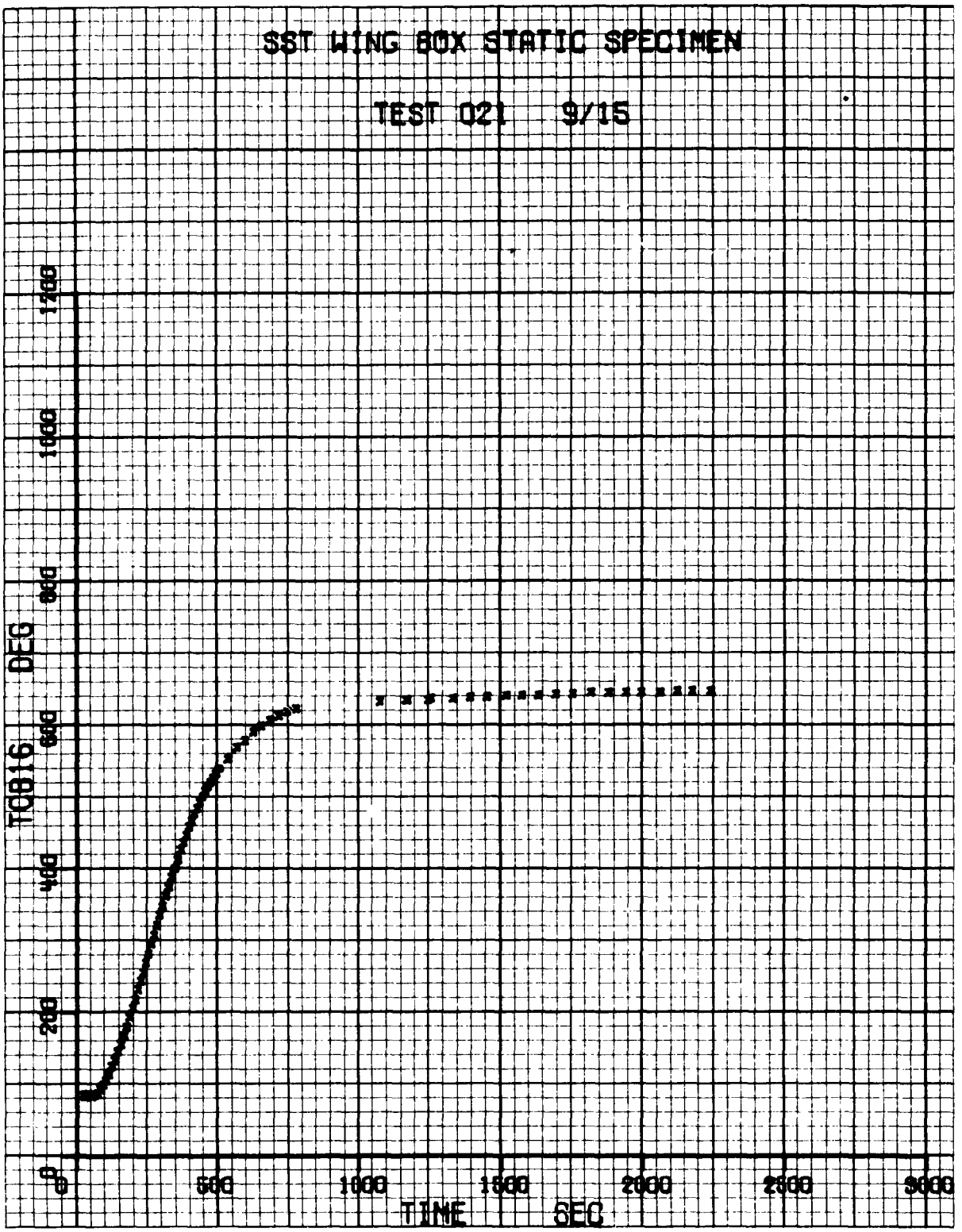
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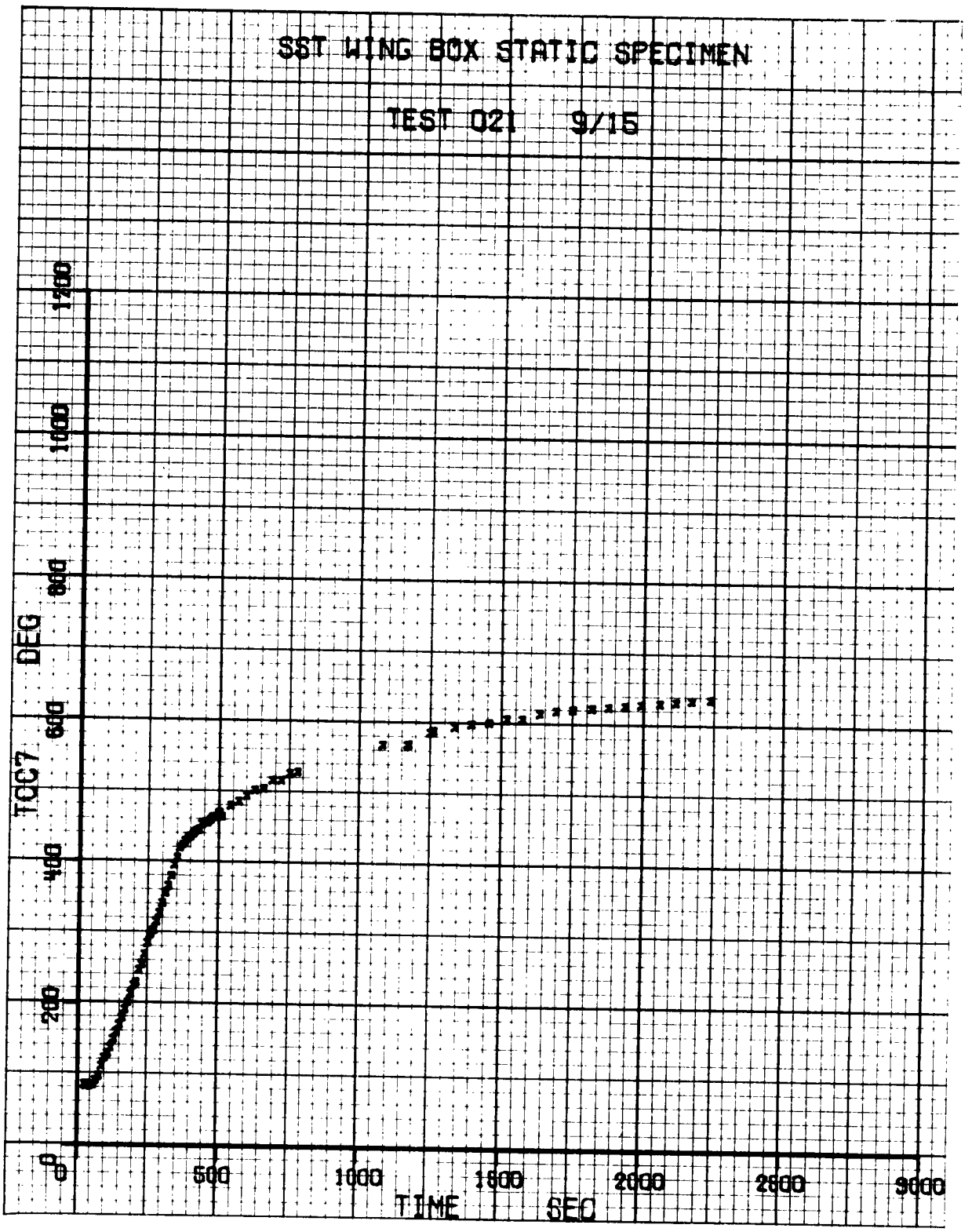
TIME SEC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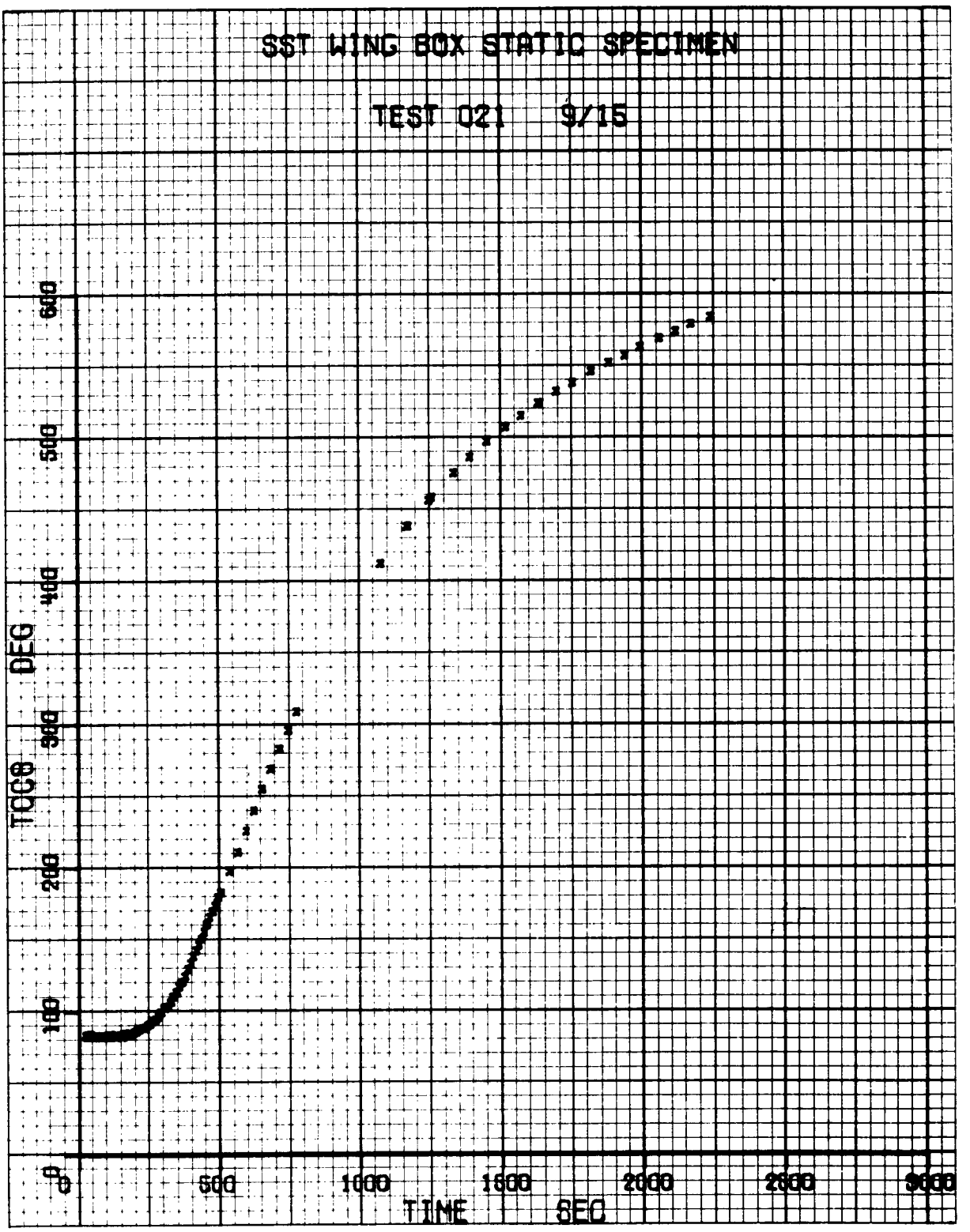
TIME SEC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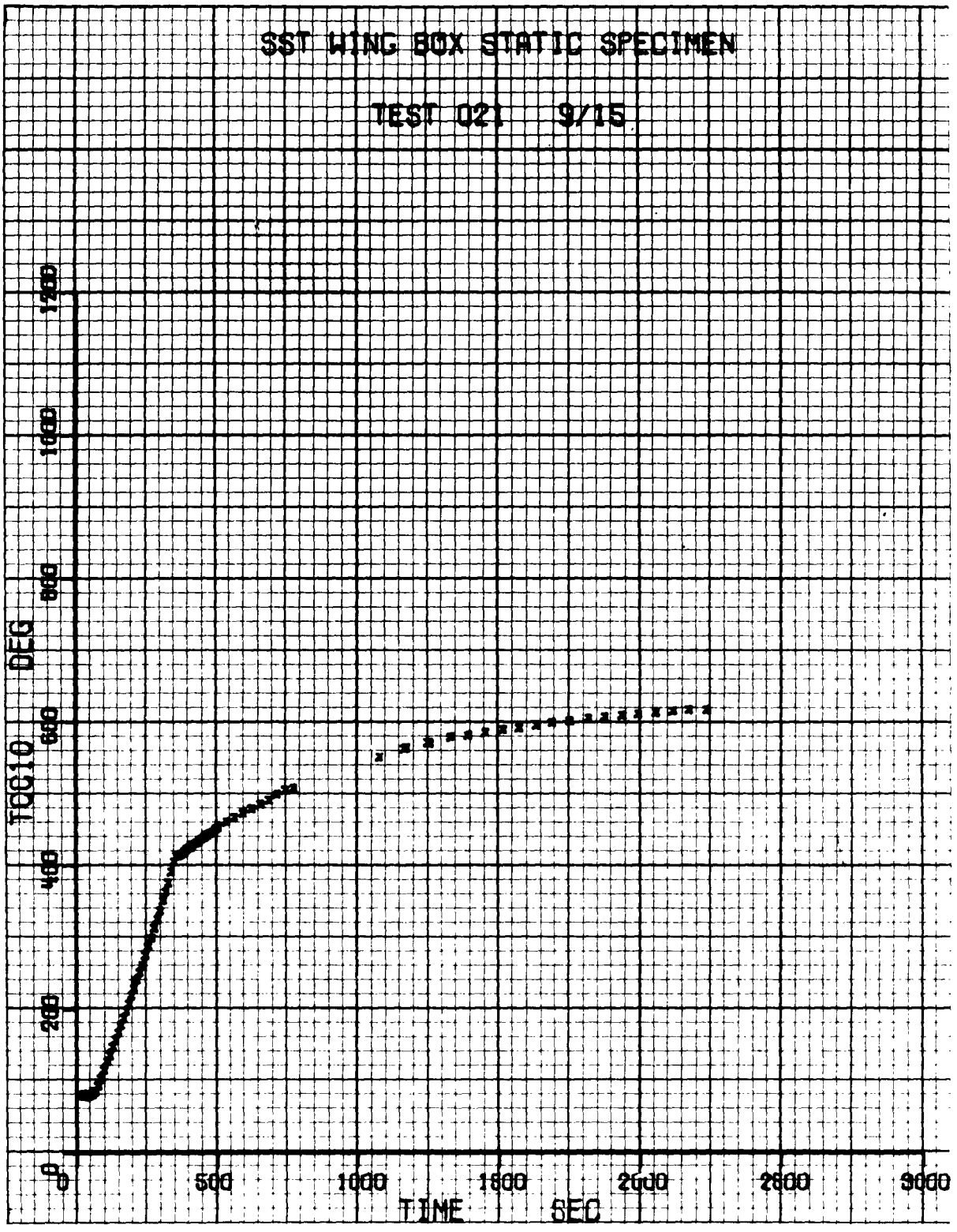
TIME SEC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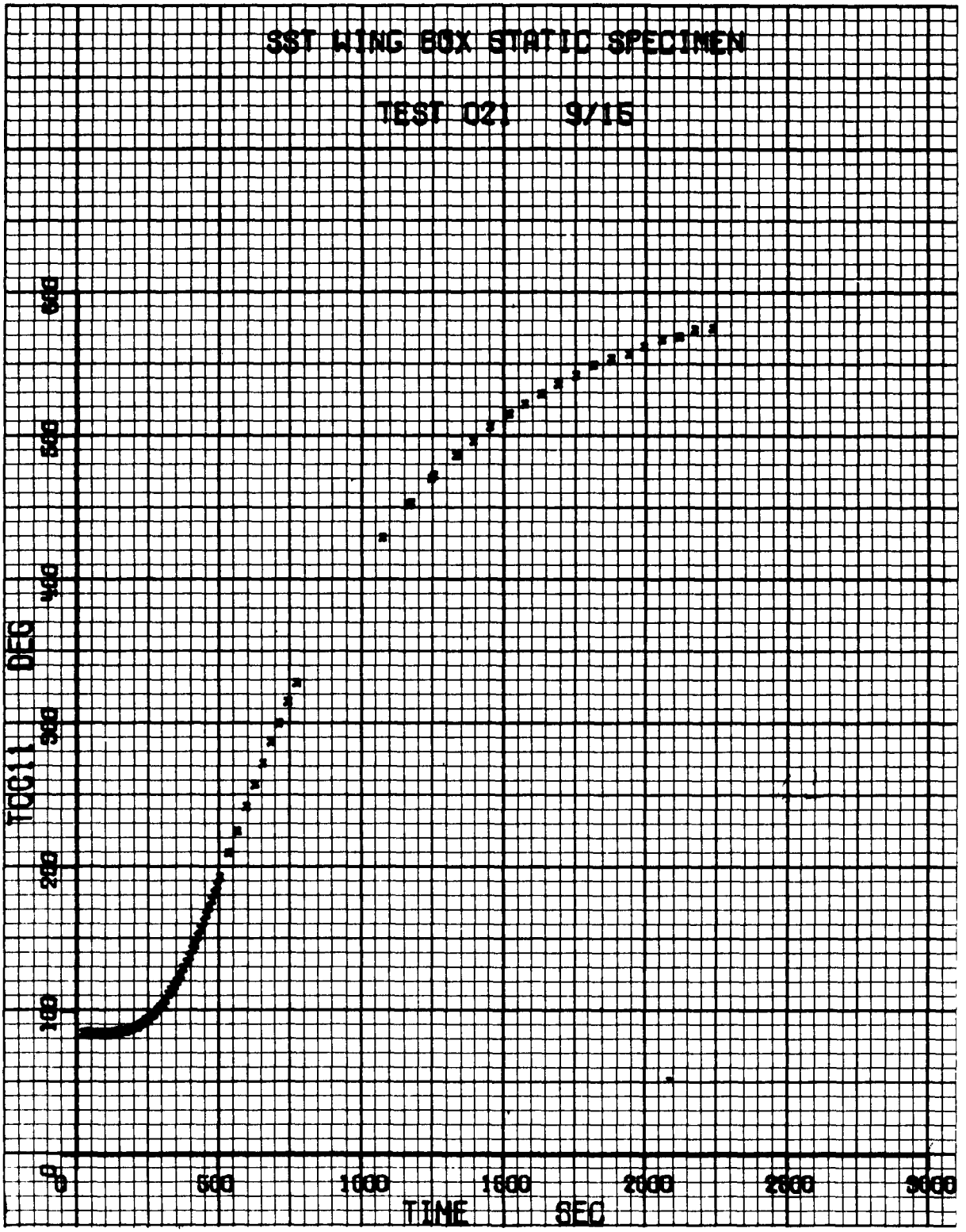
TIME SEC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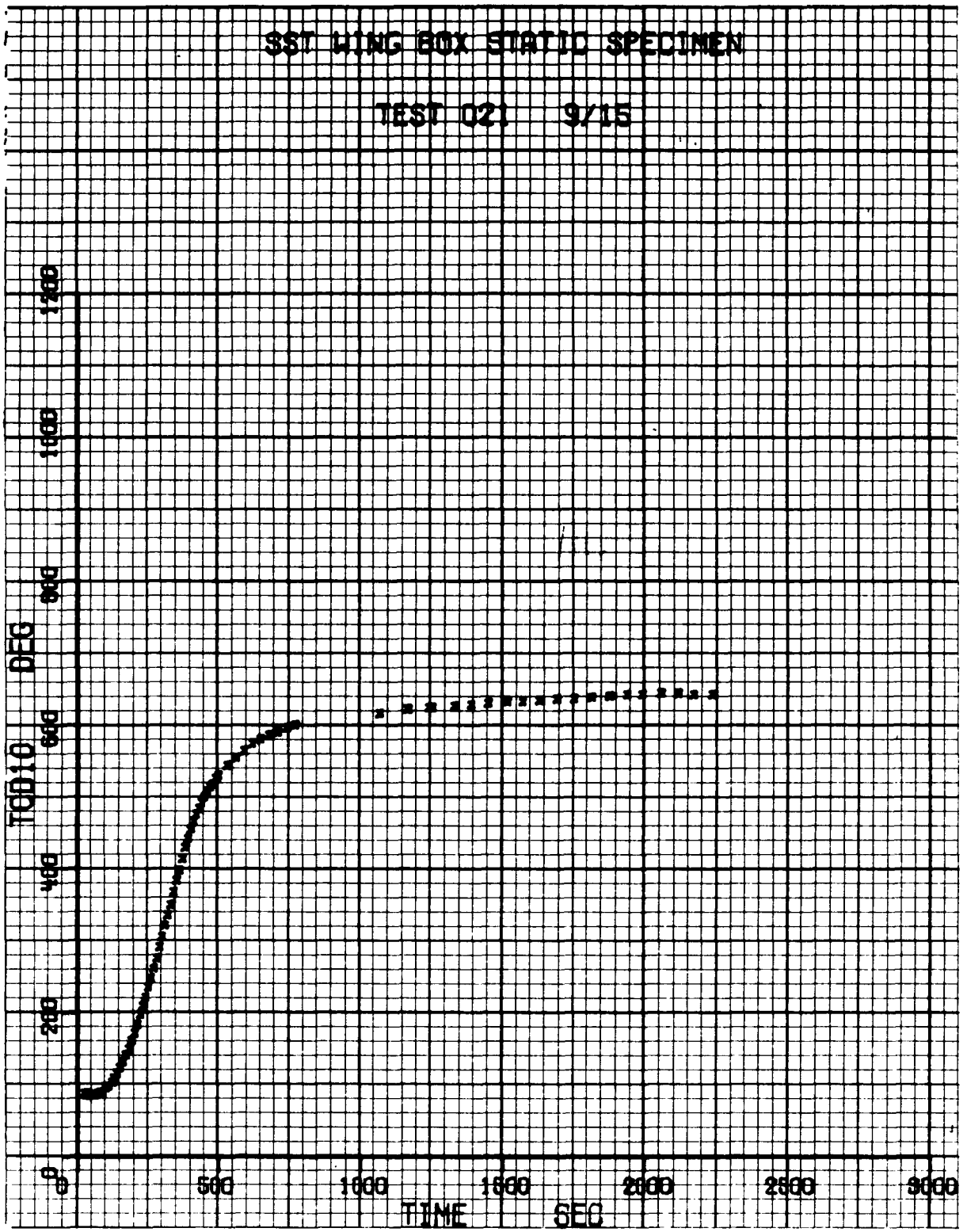
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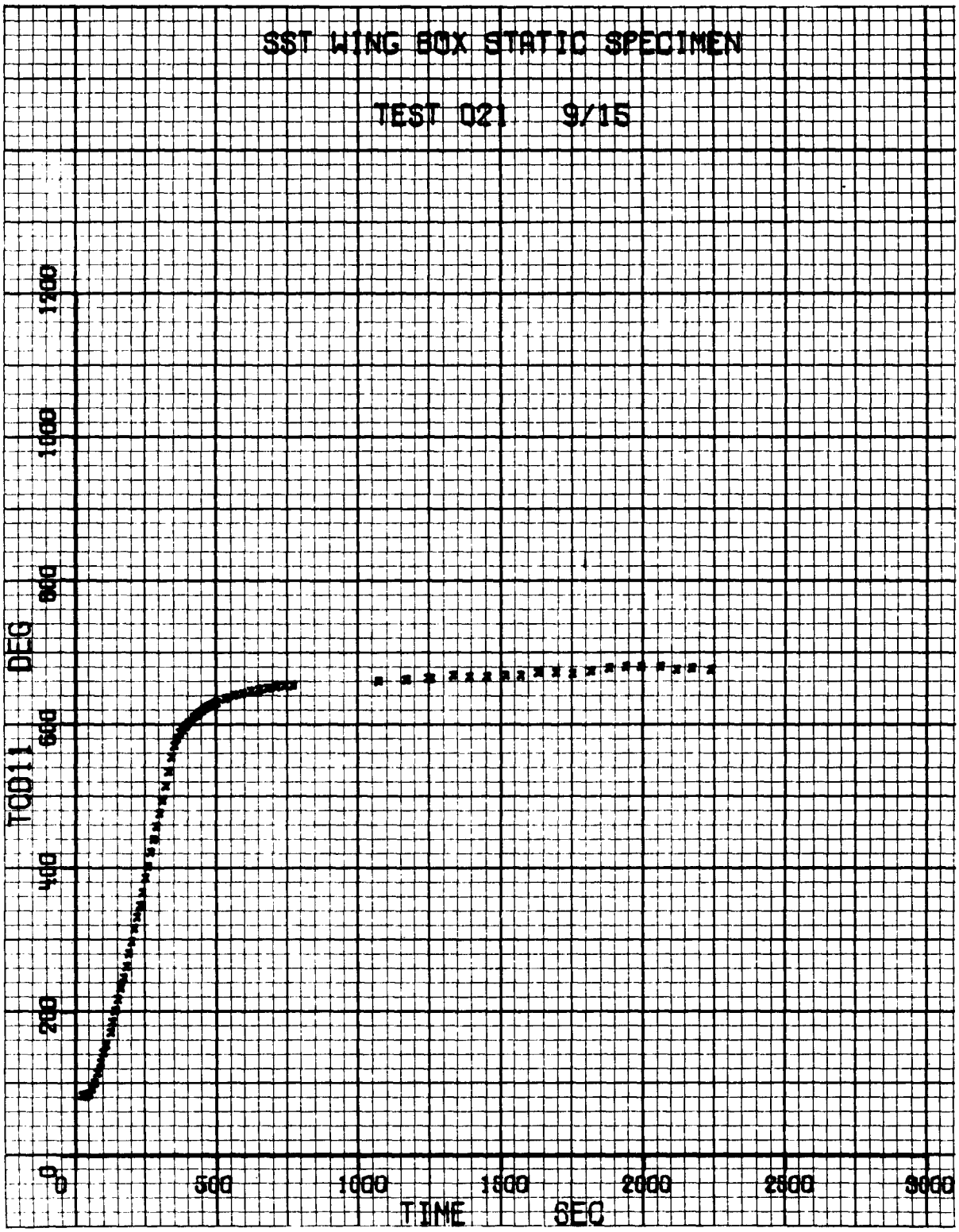
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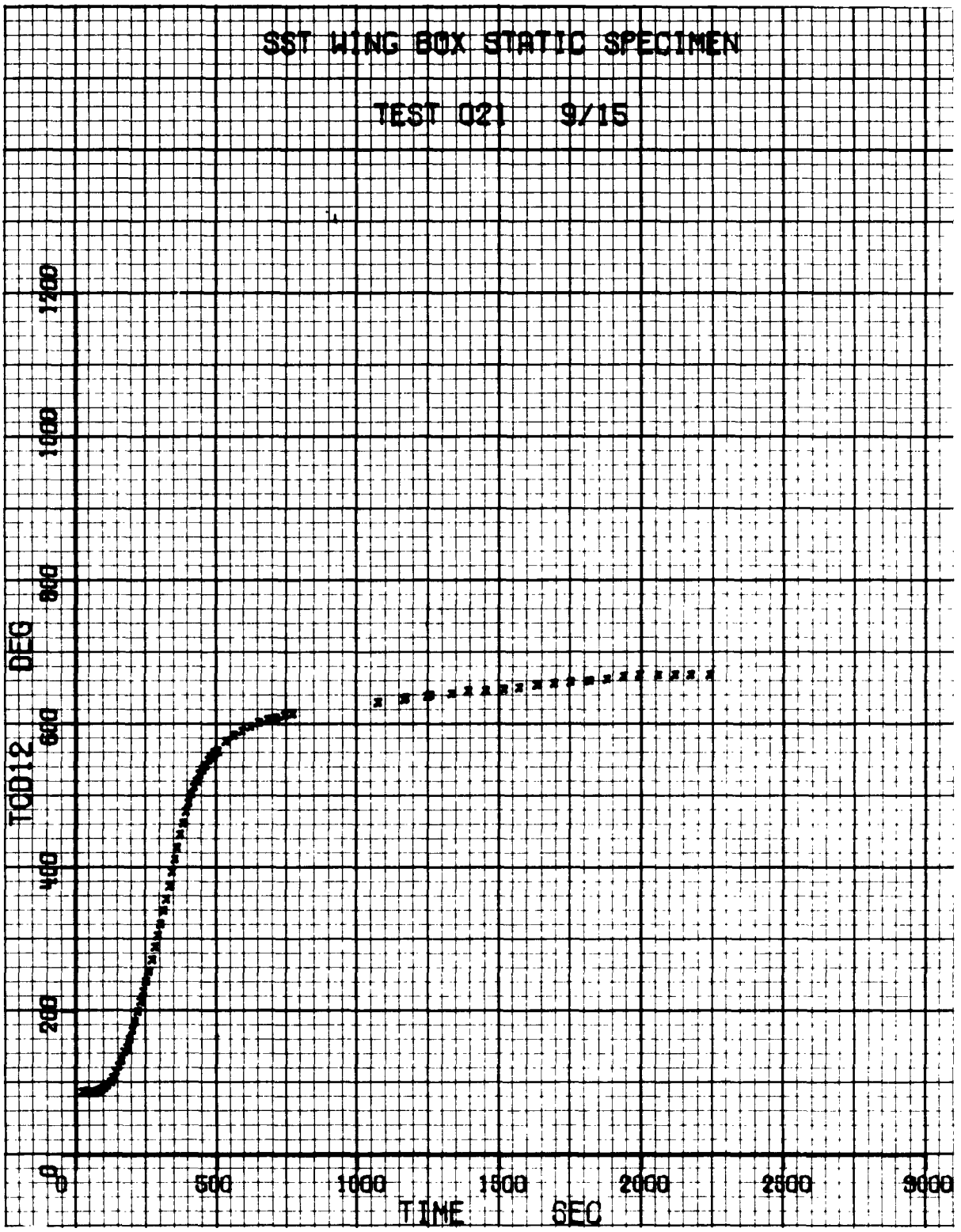
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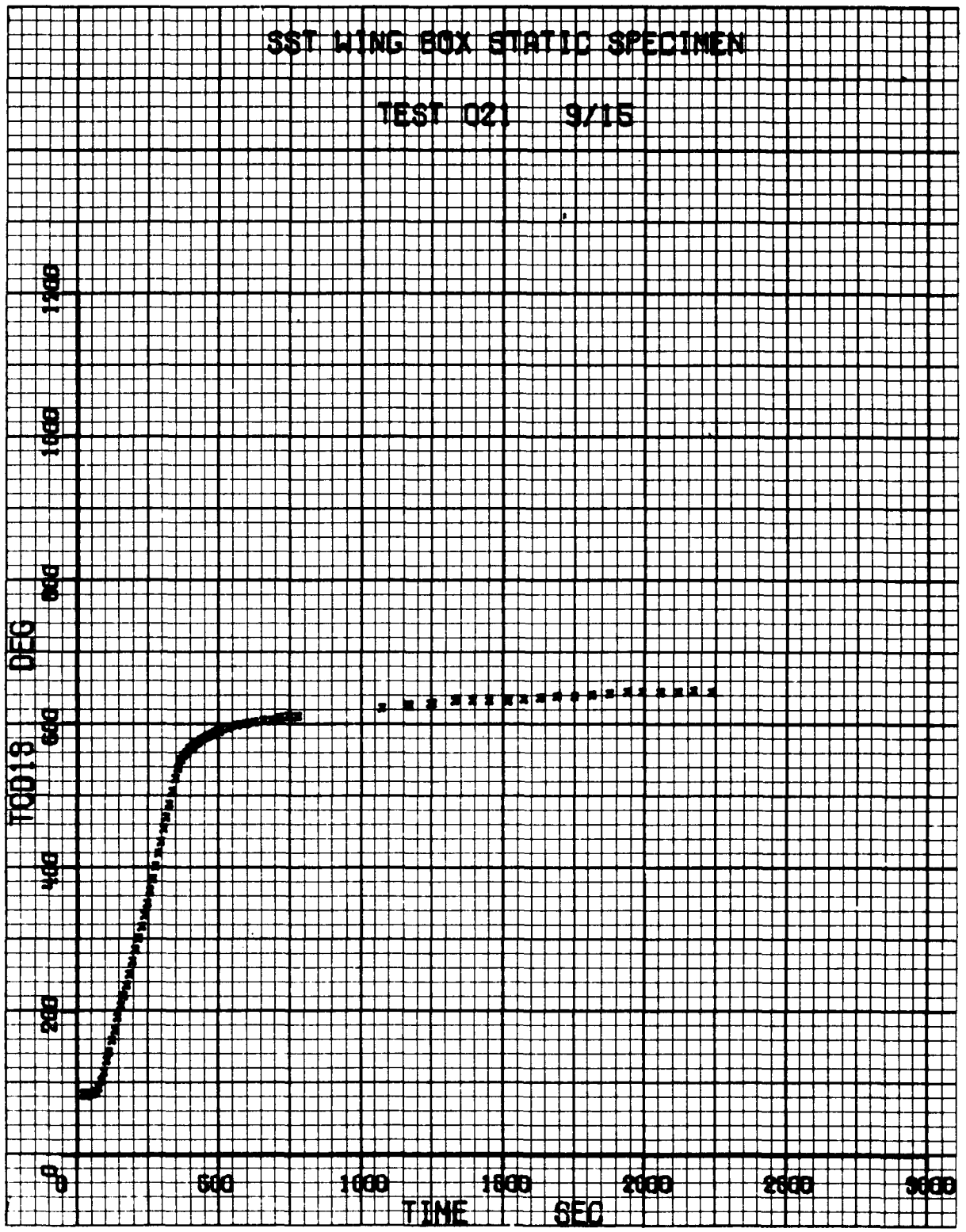
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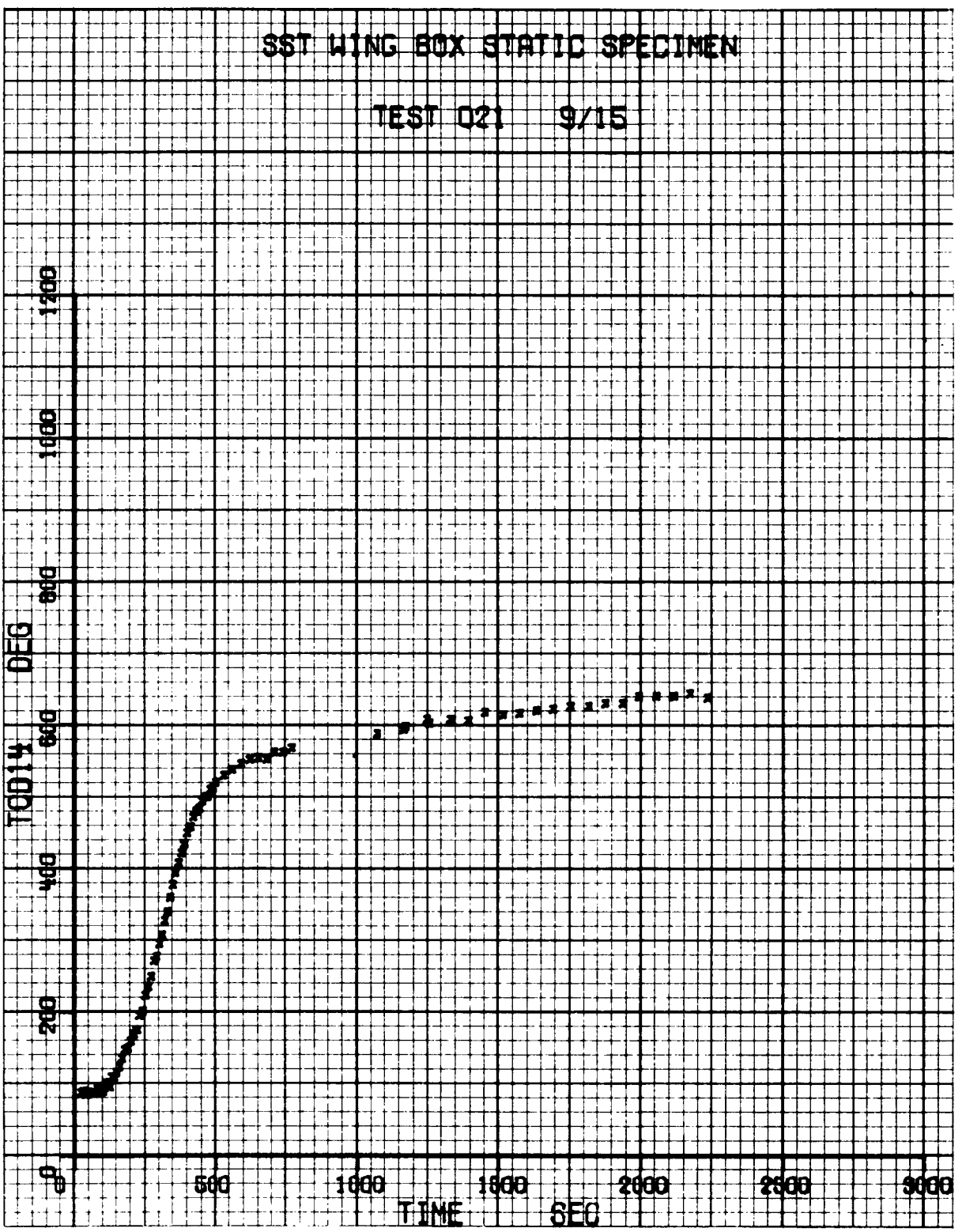
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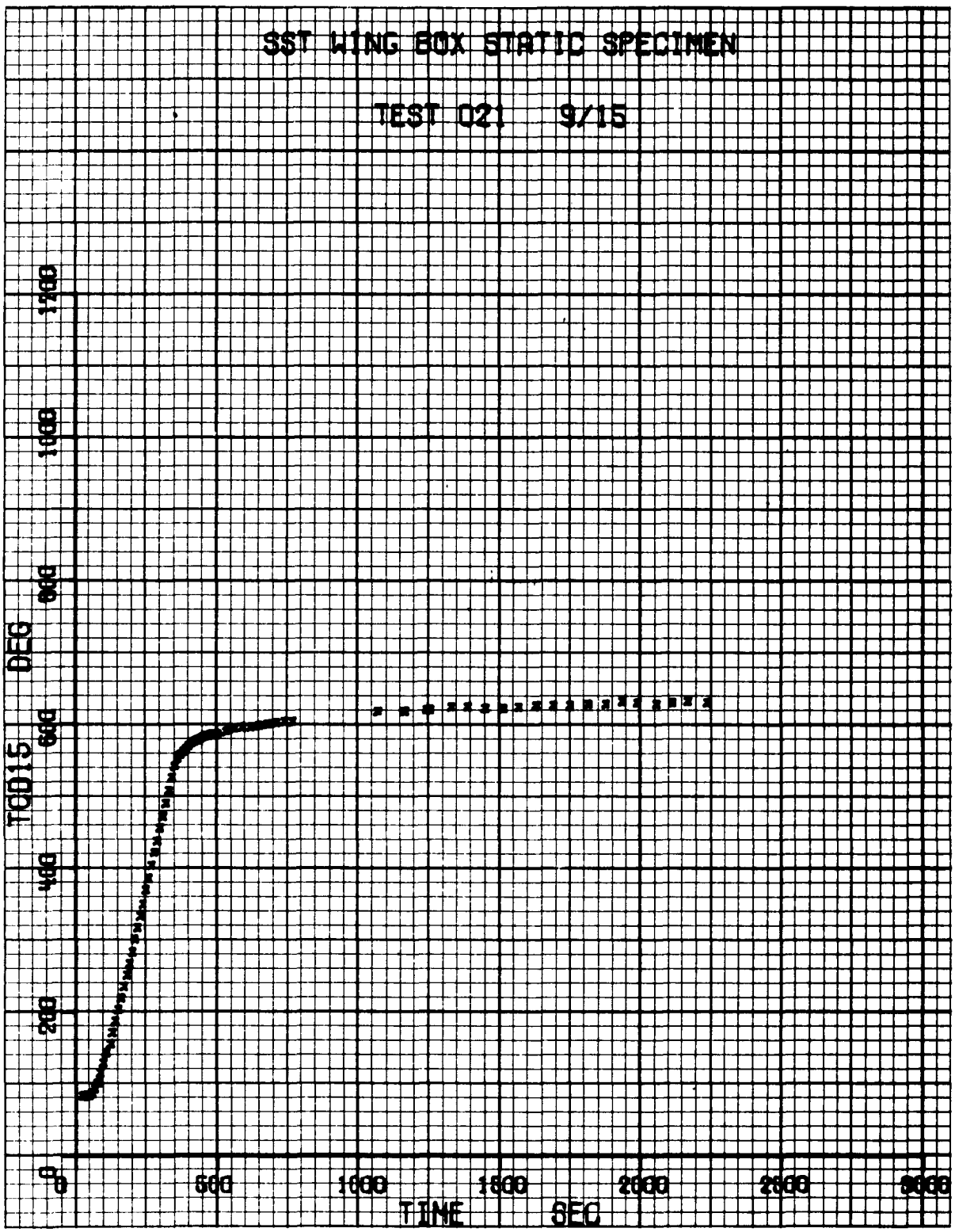
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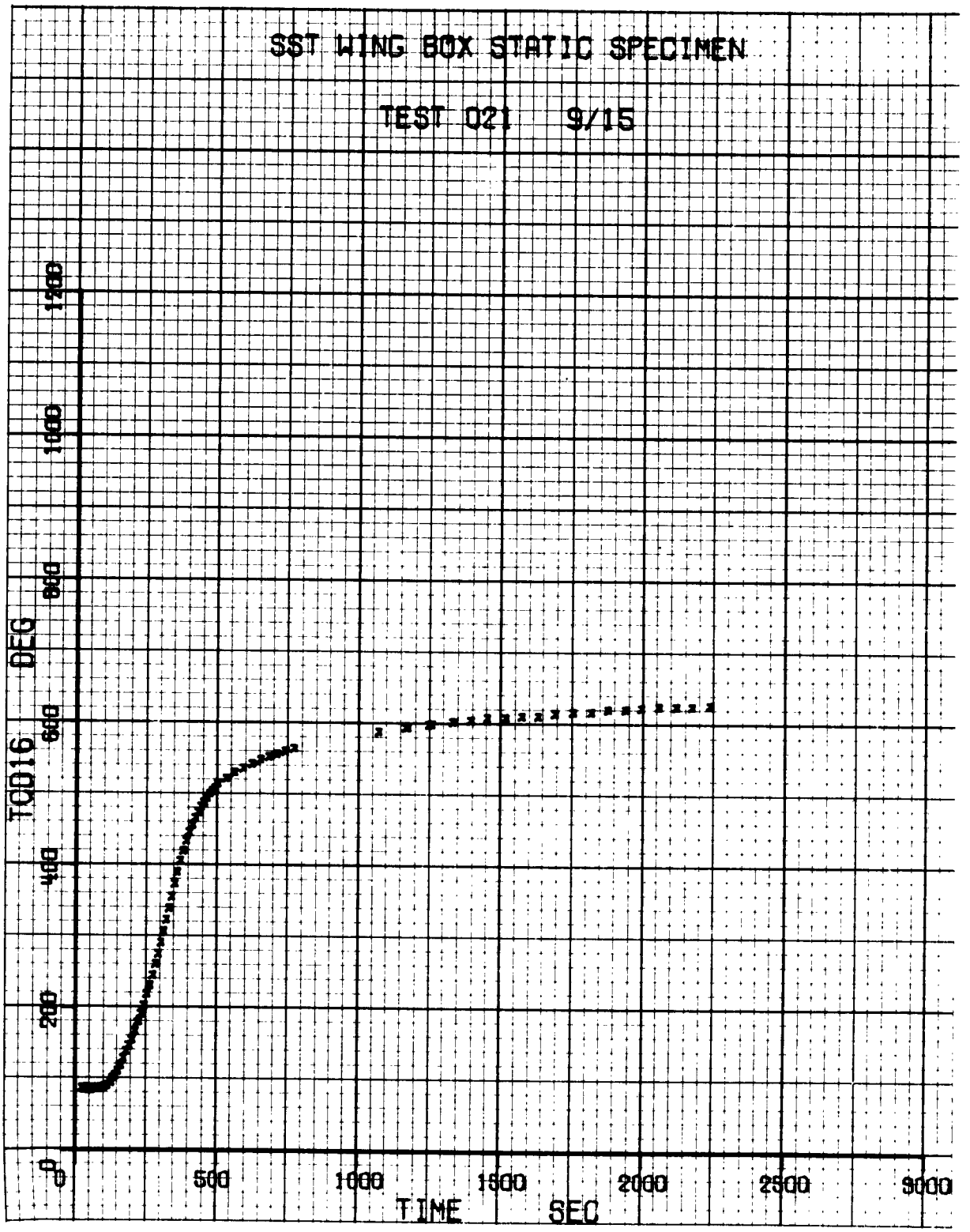
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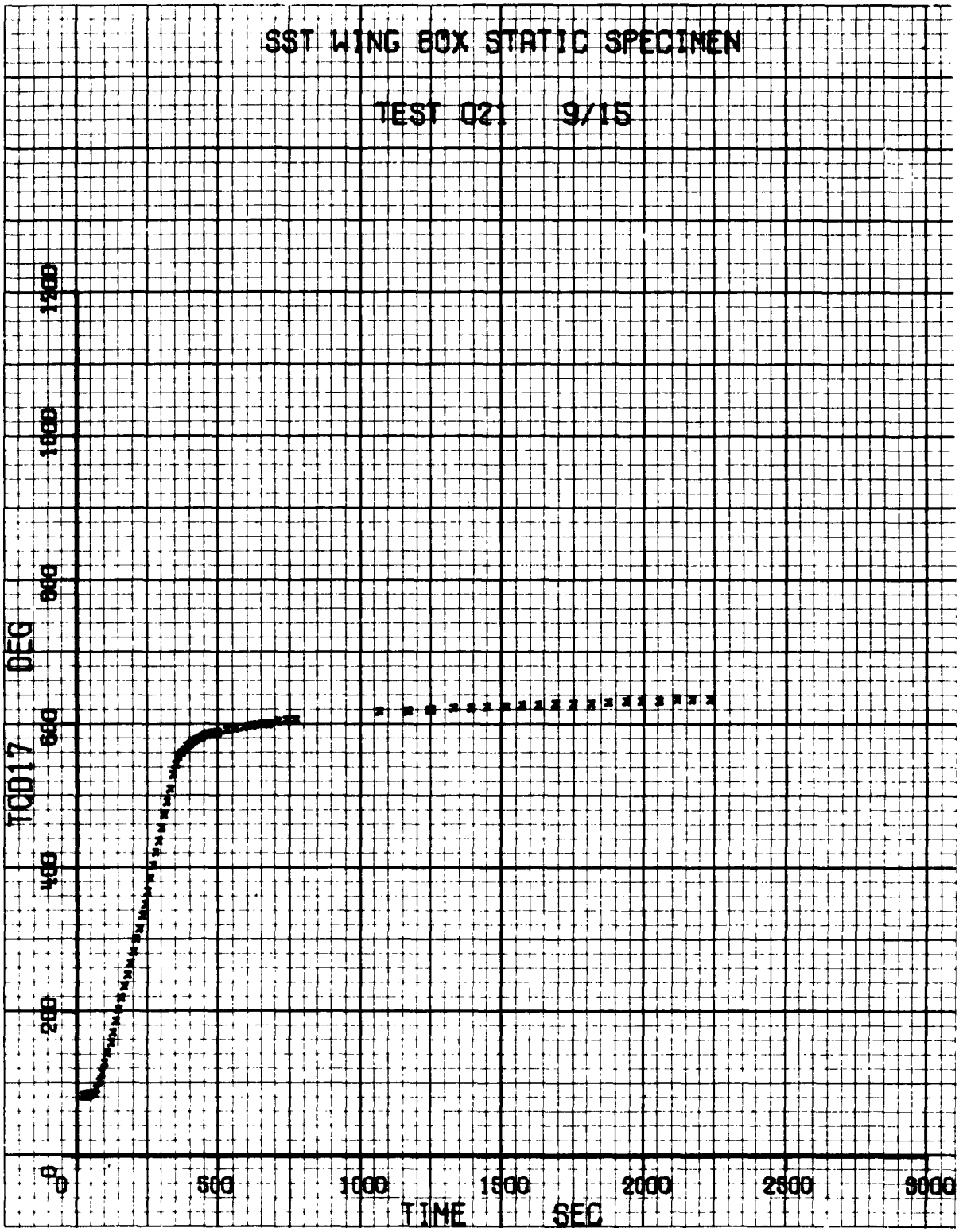
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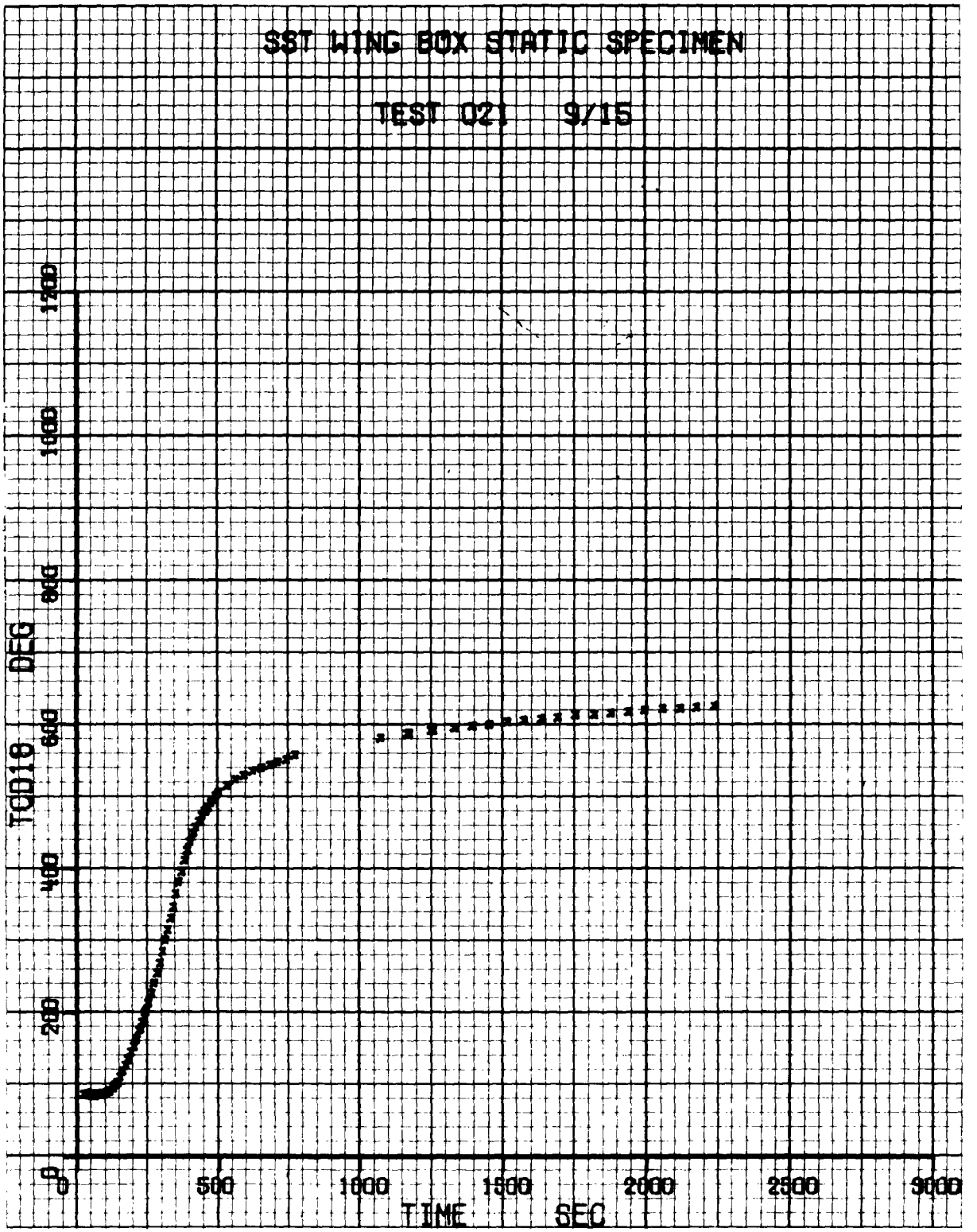
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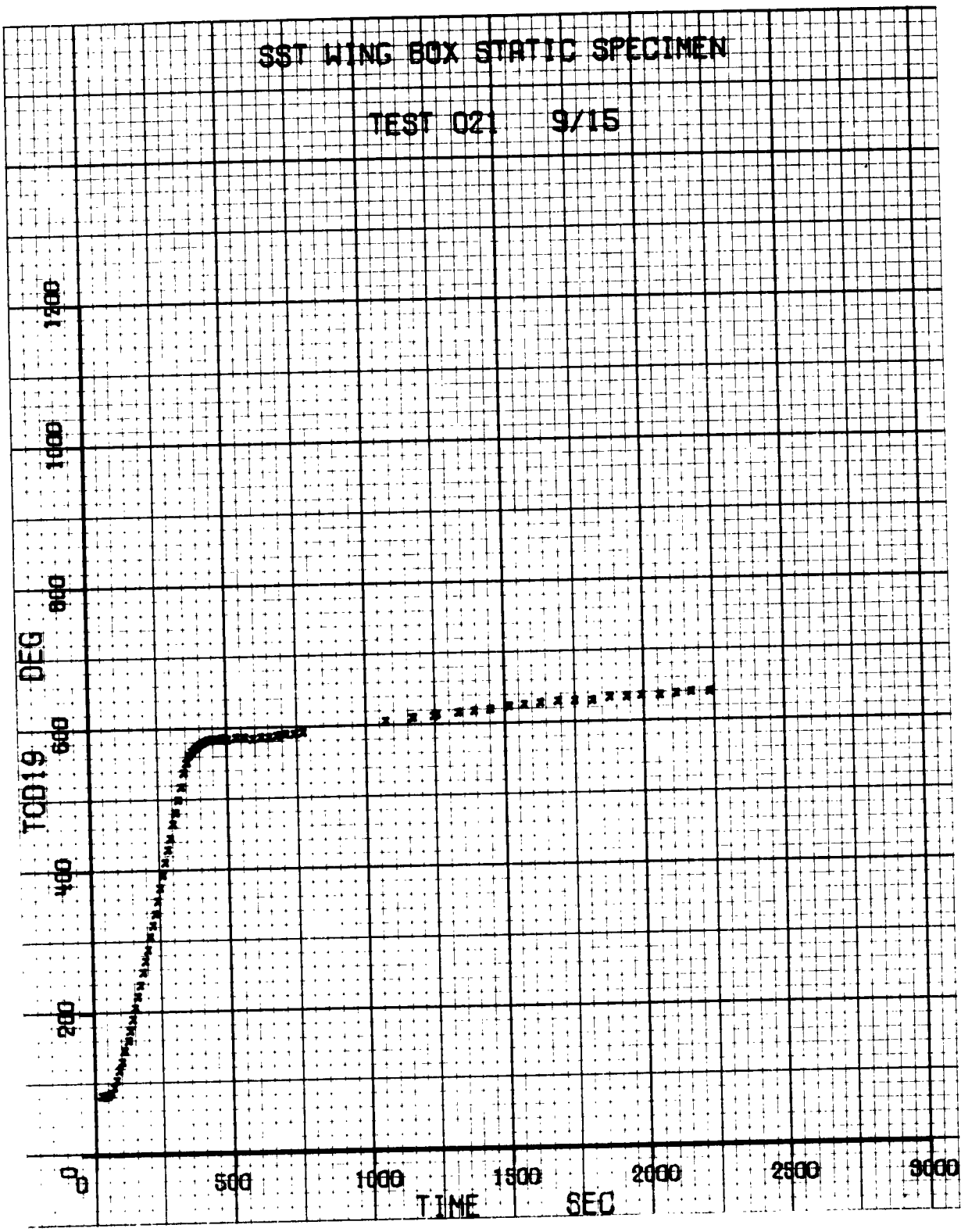
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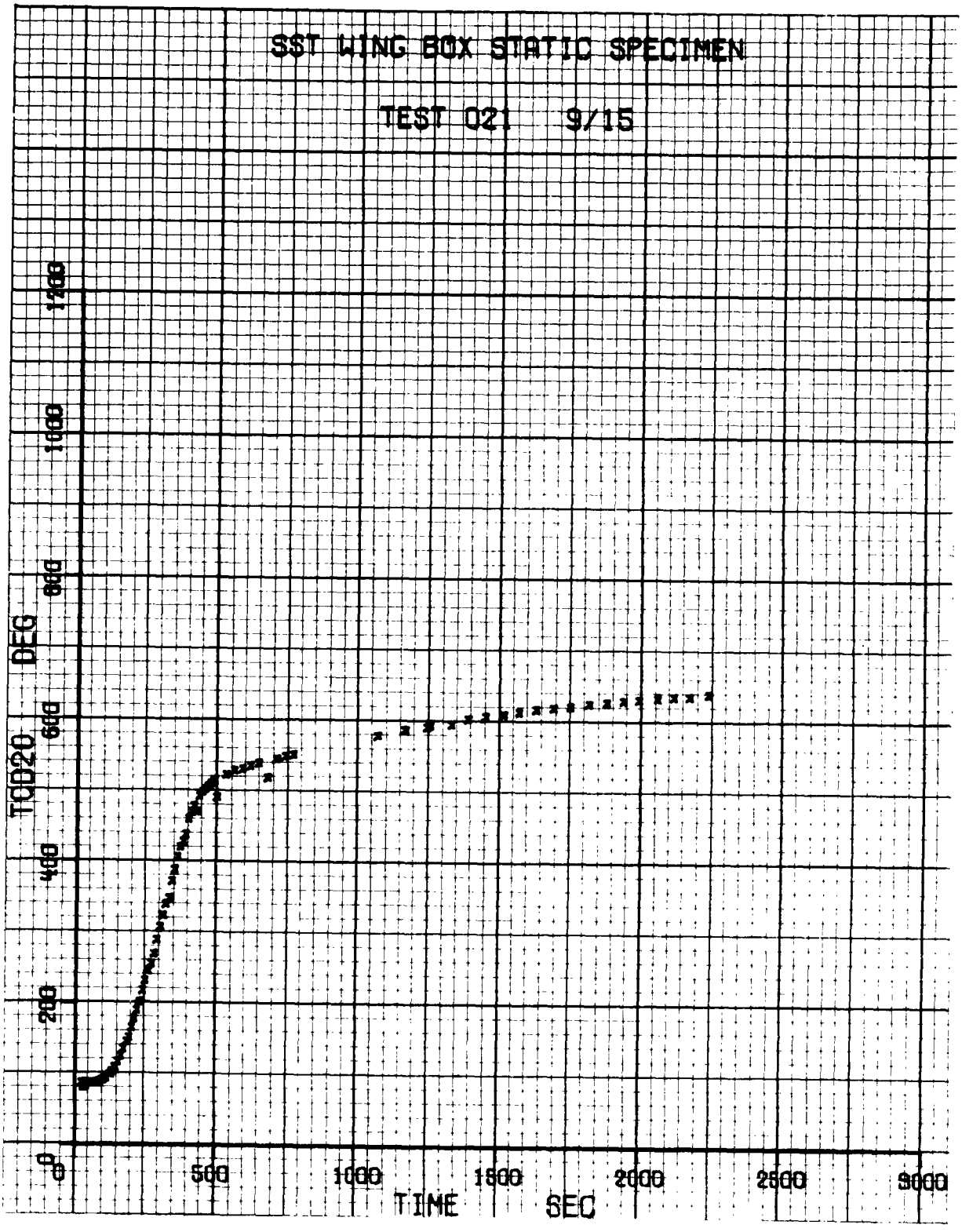
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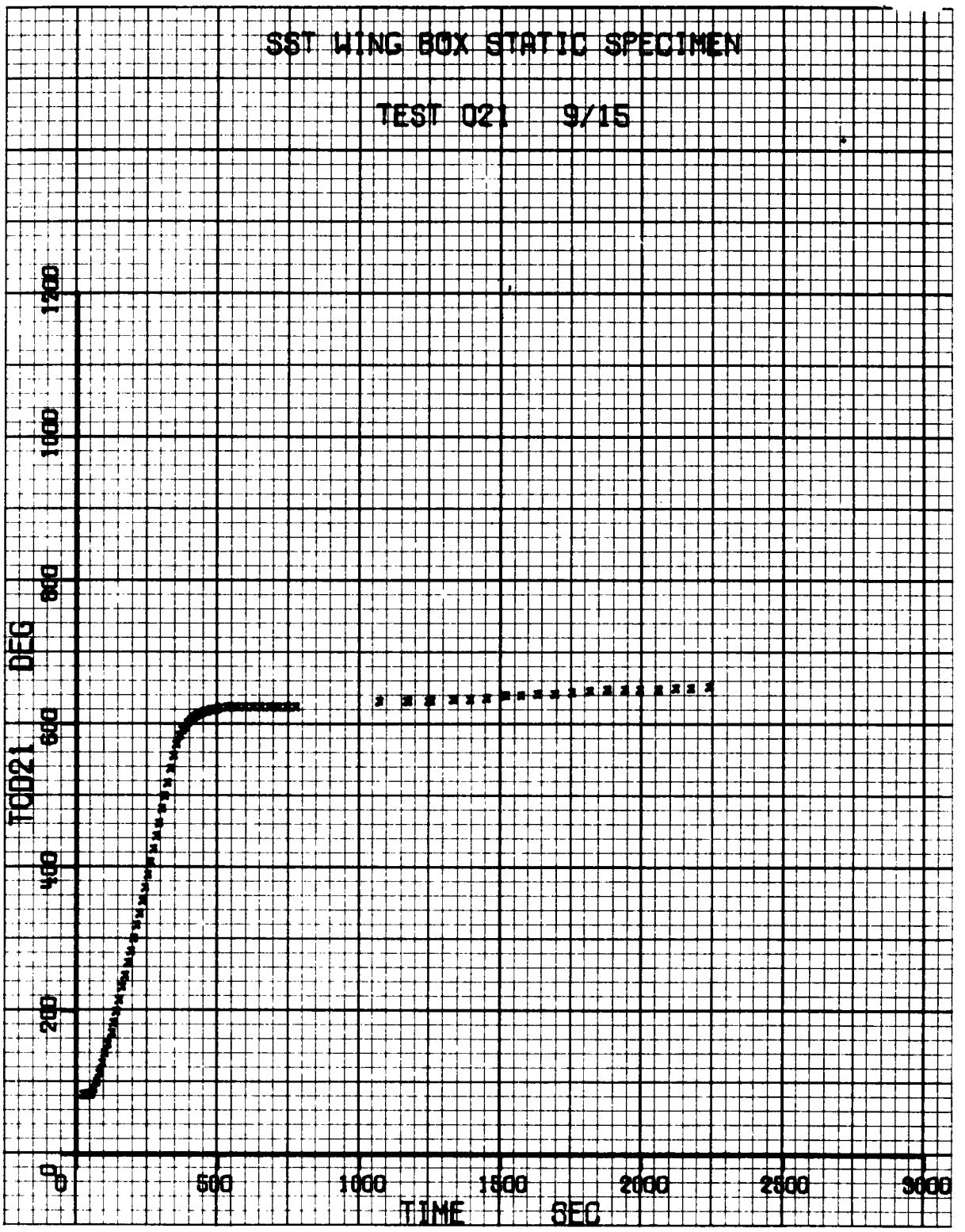
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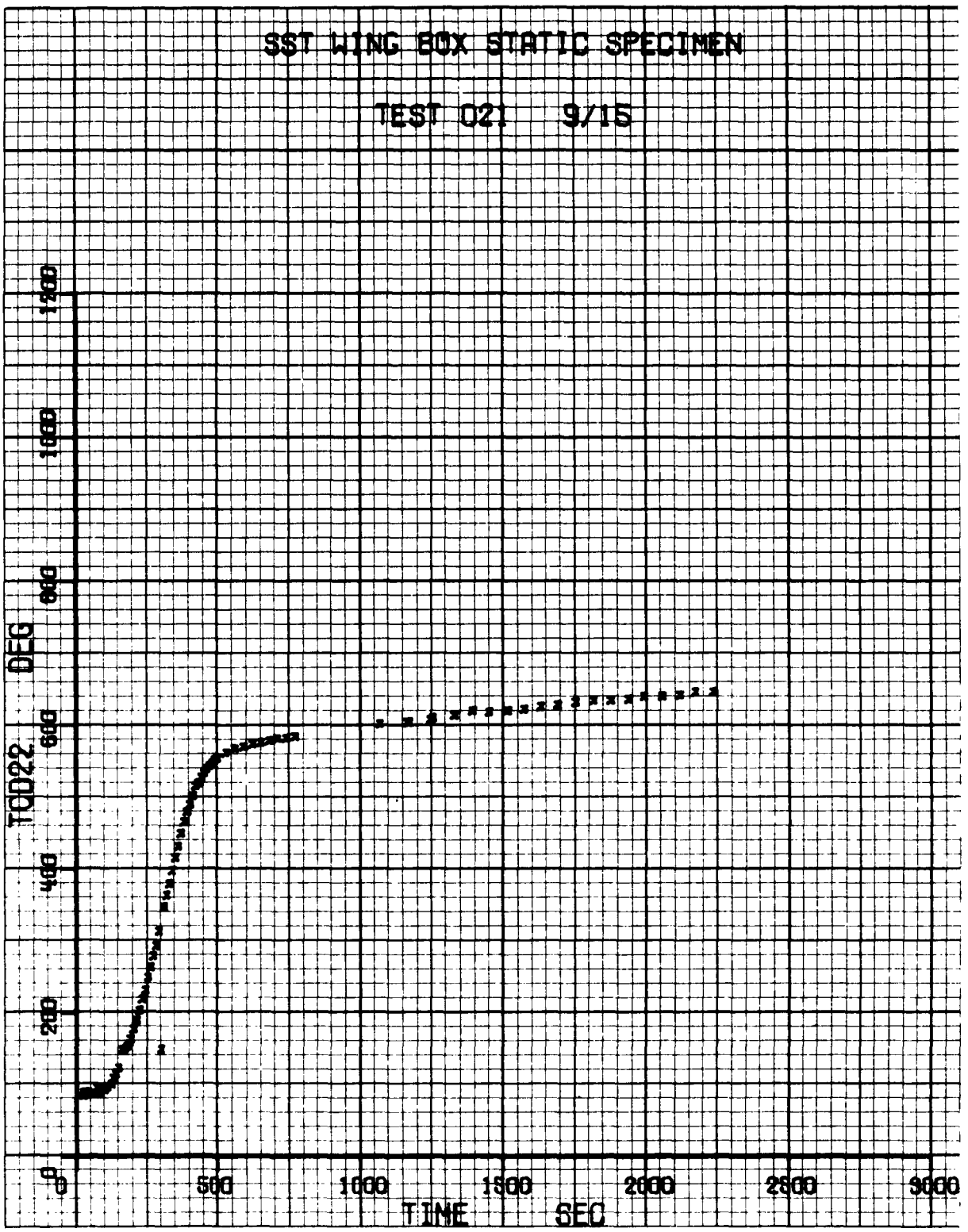
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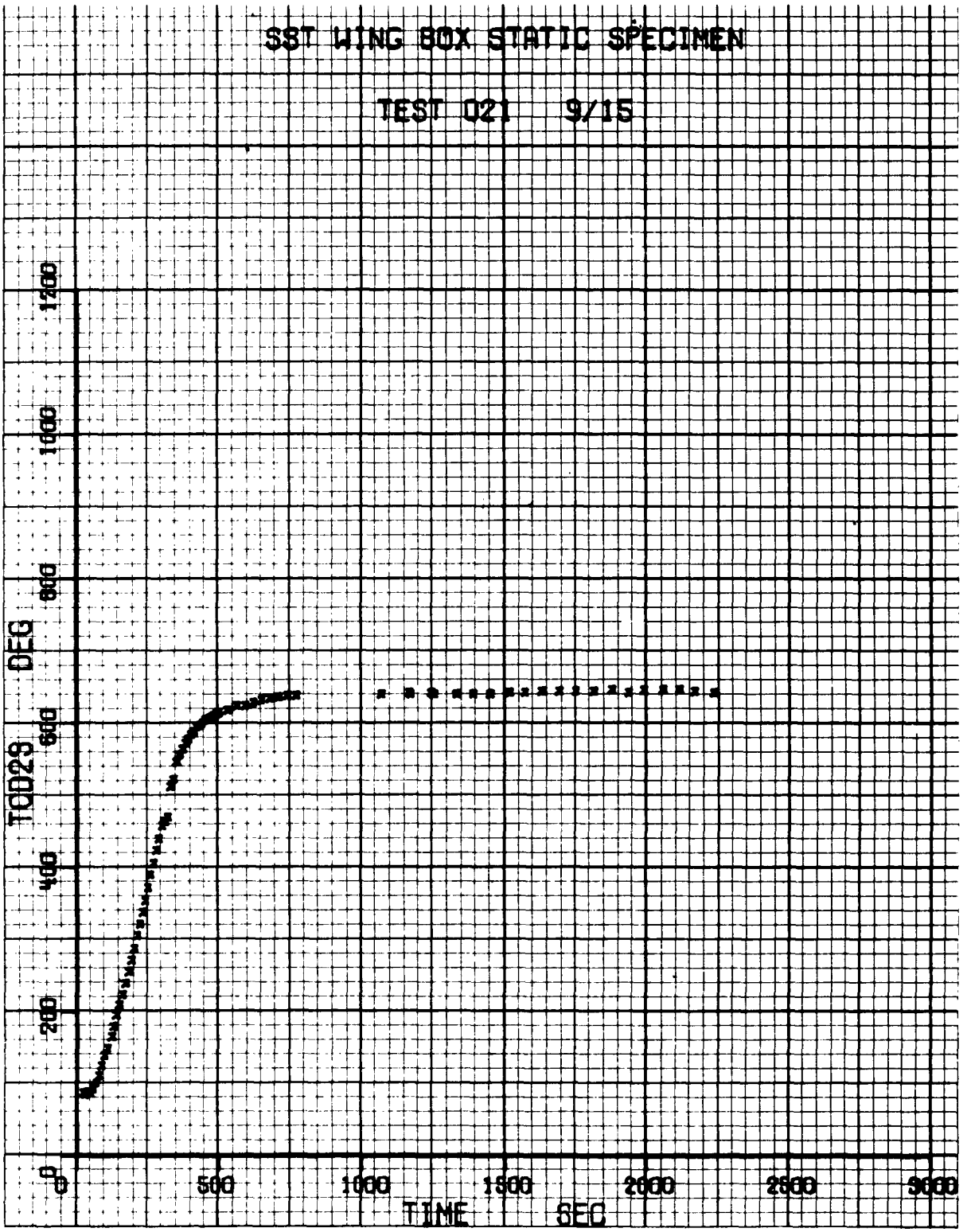
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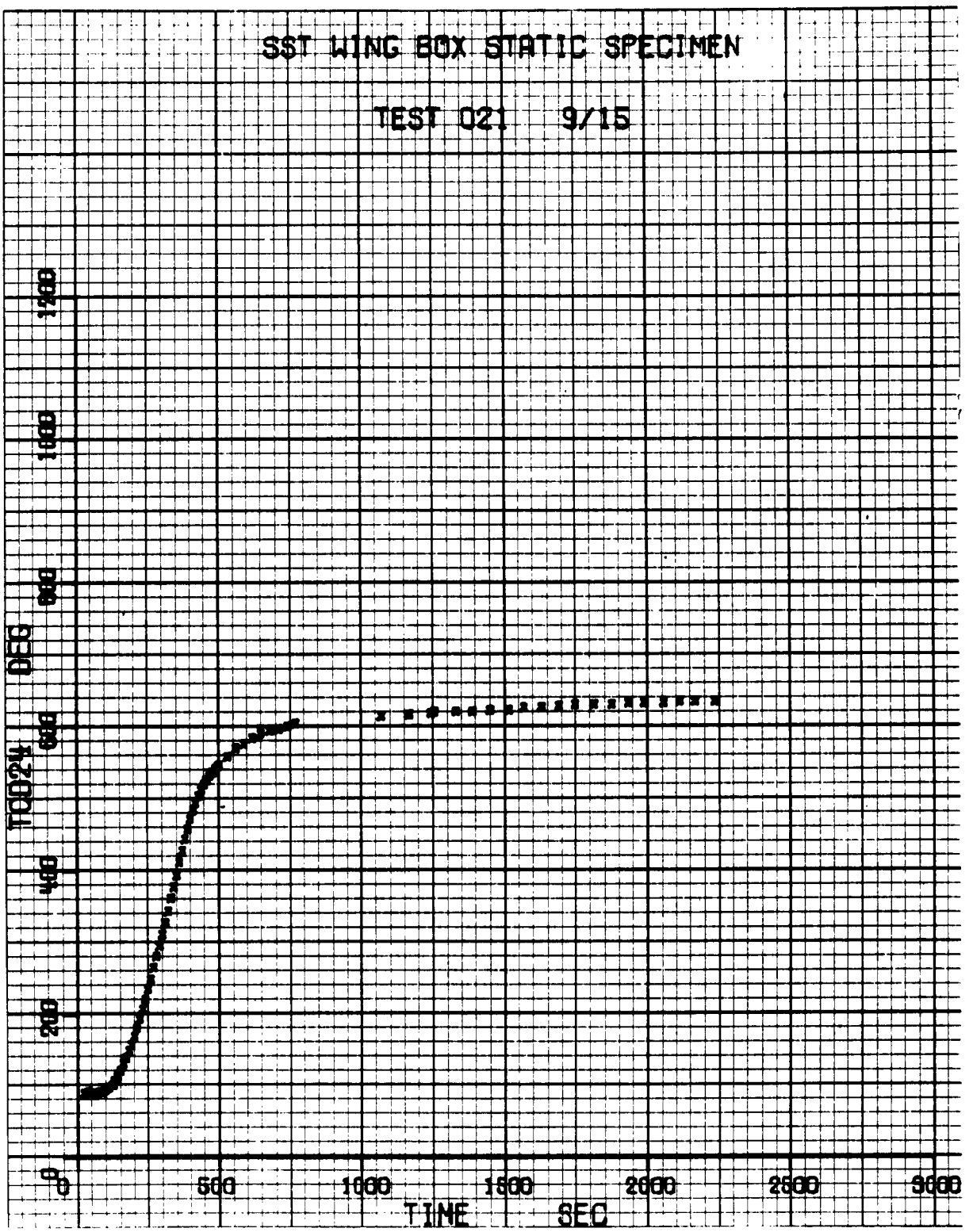
TIME SEC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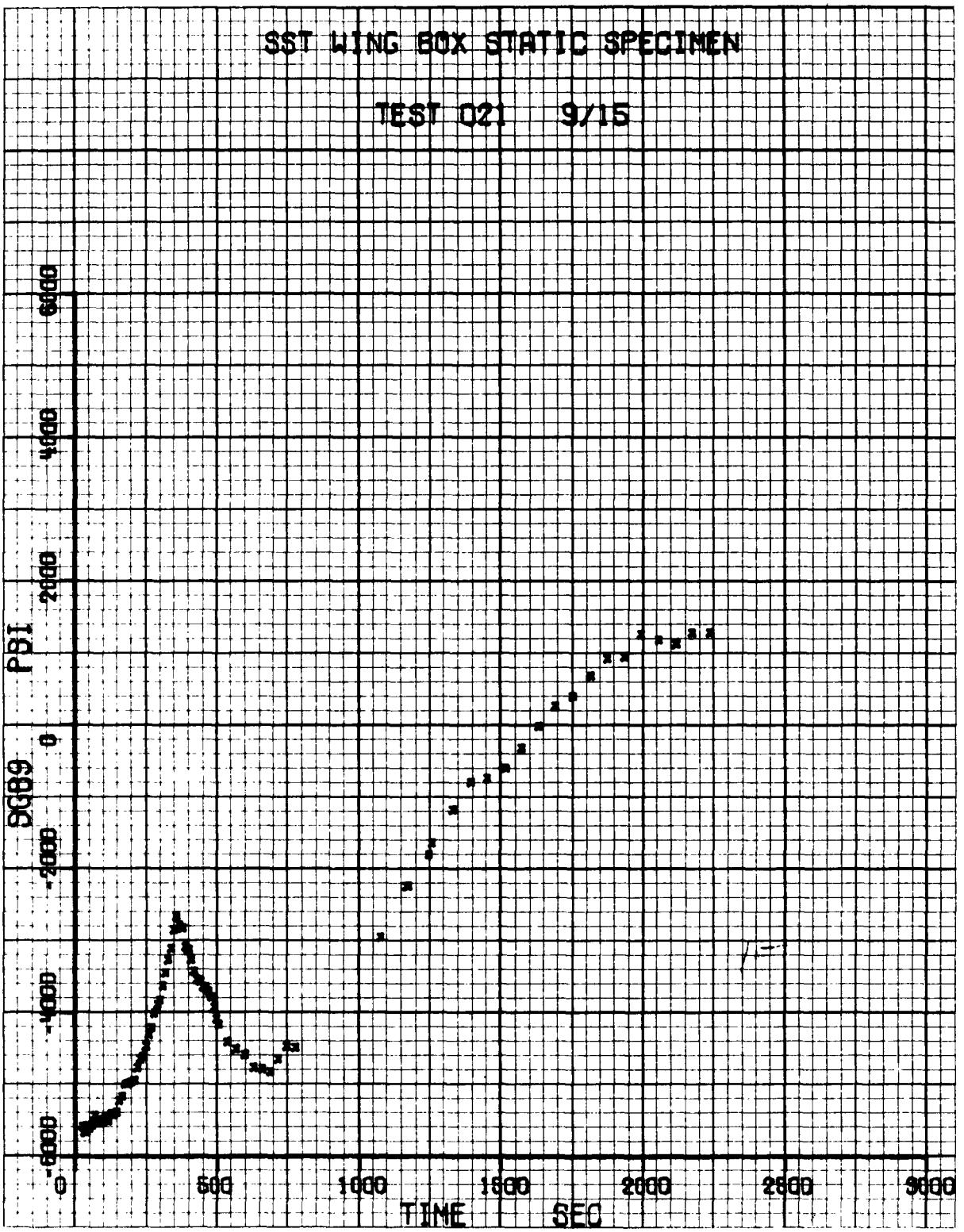
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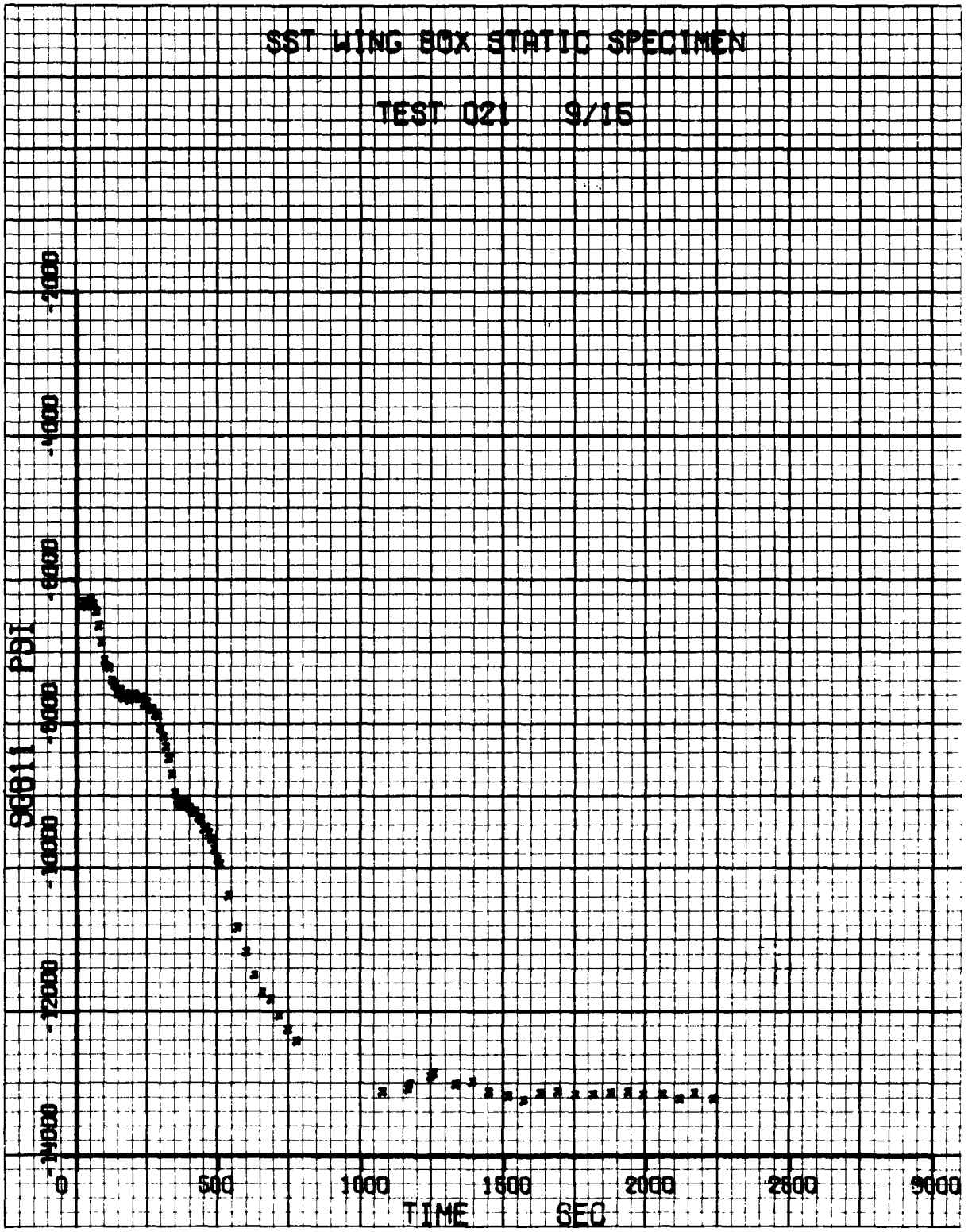
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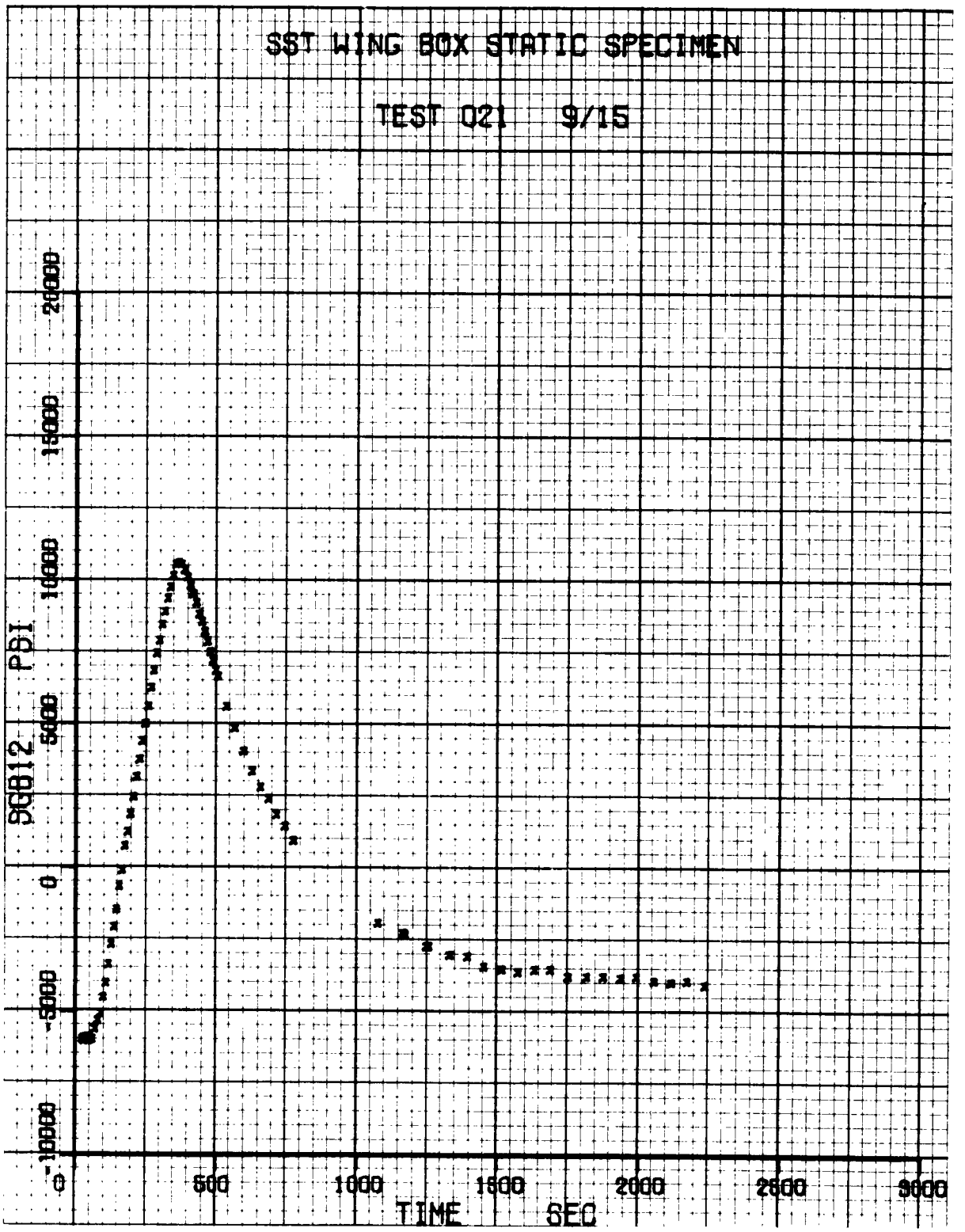
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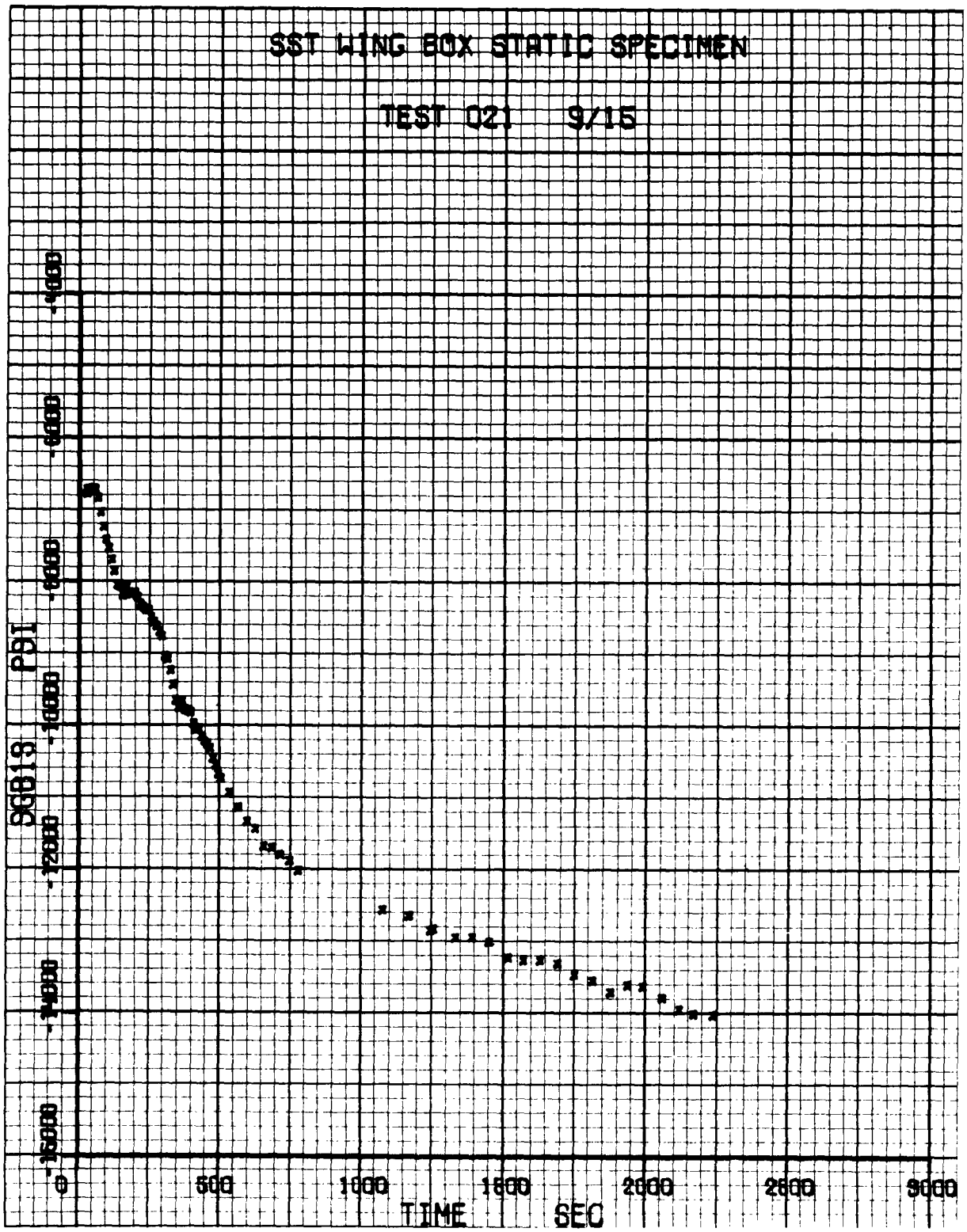
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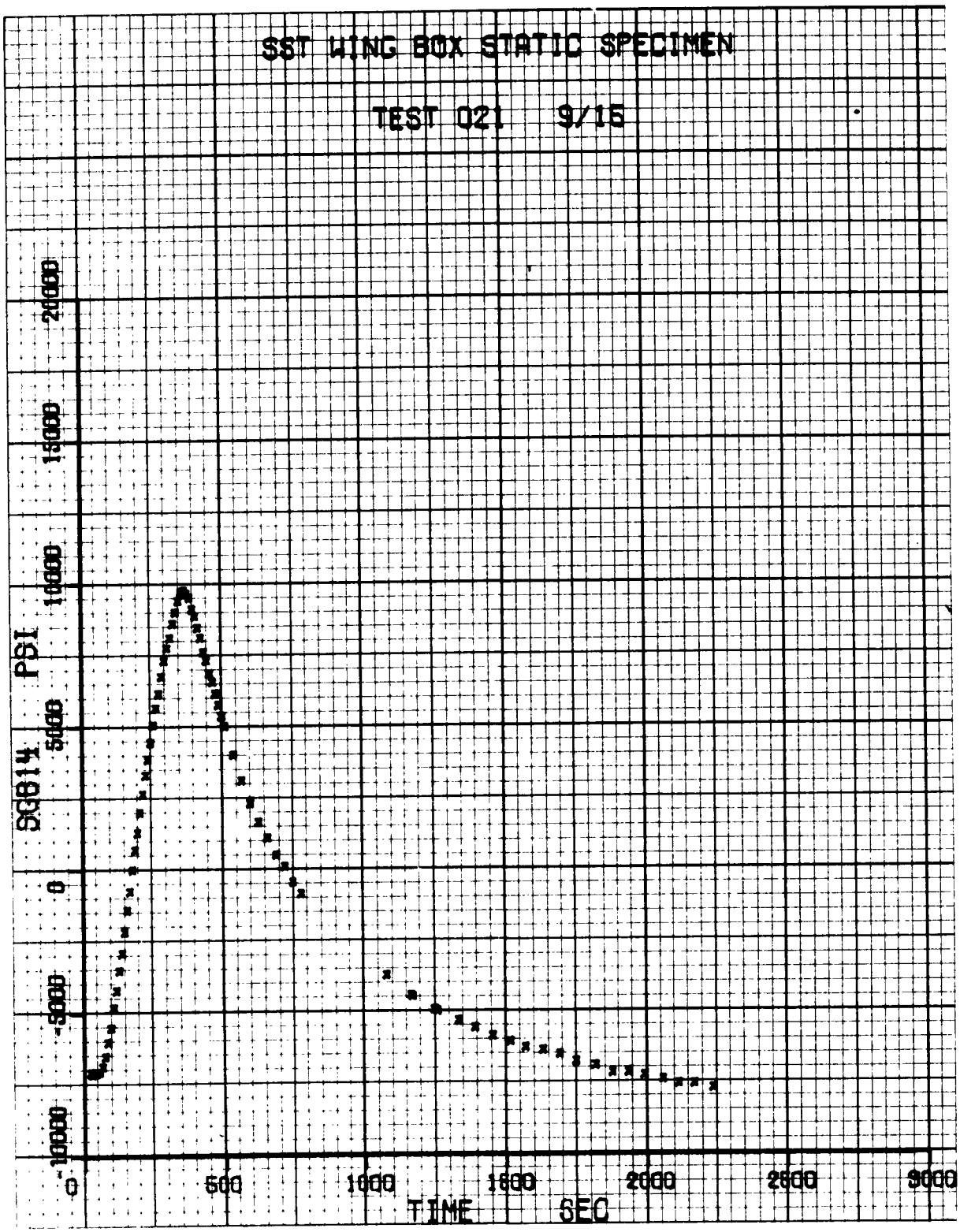
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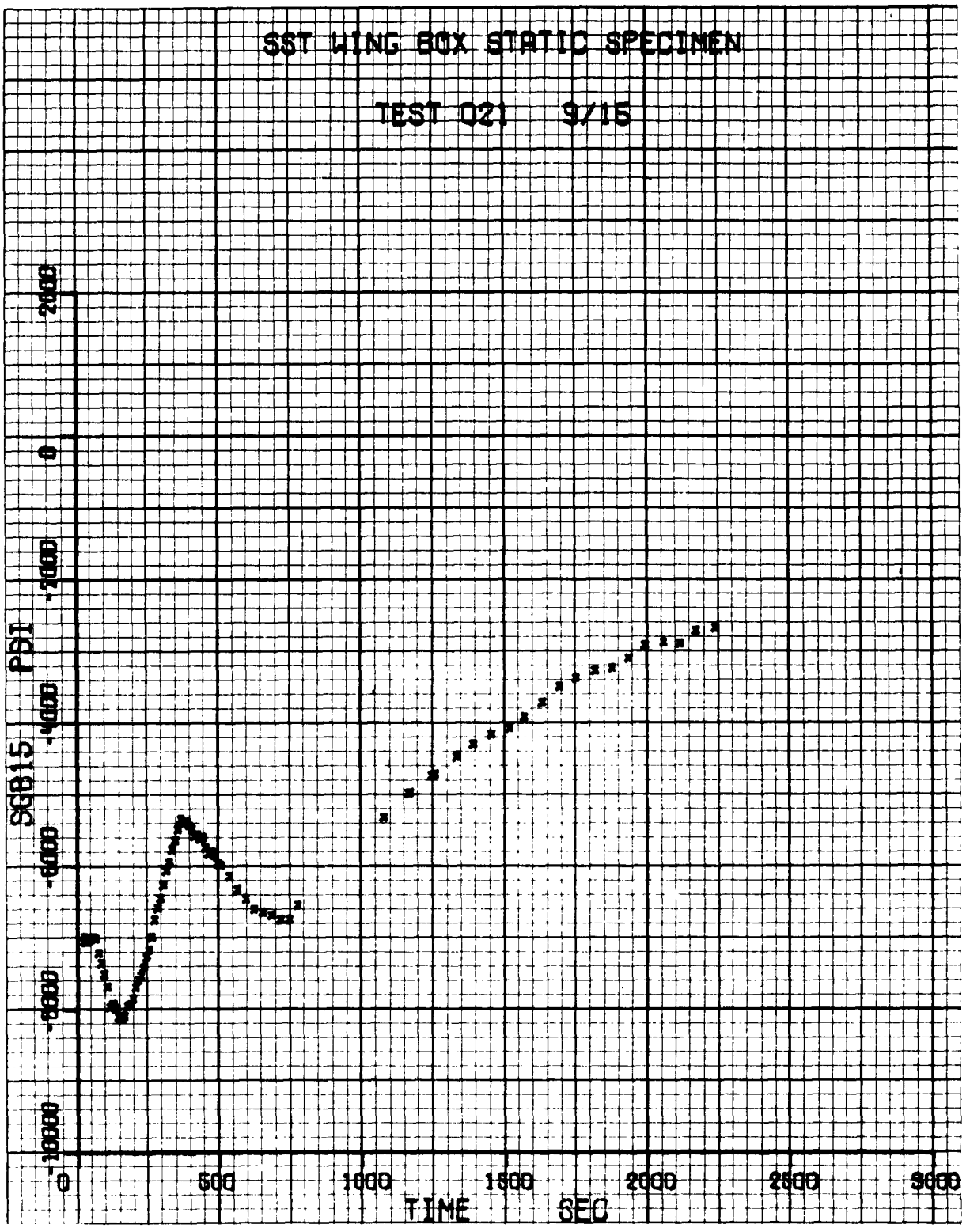
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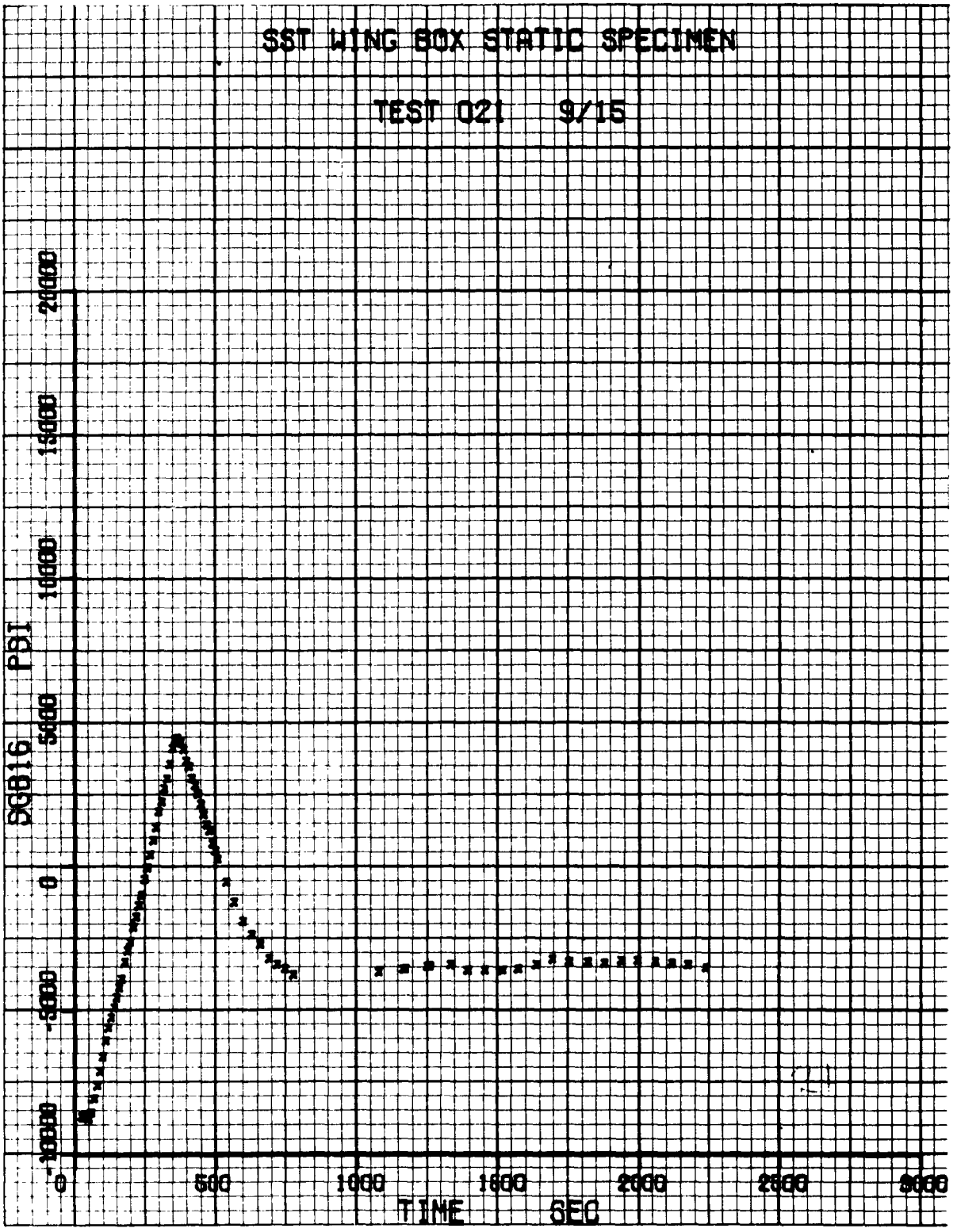
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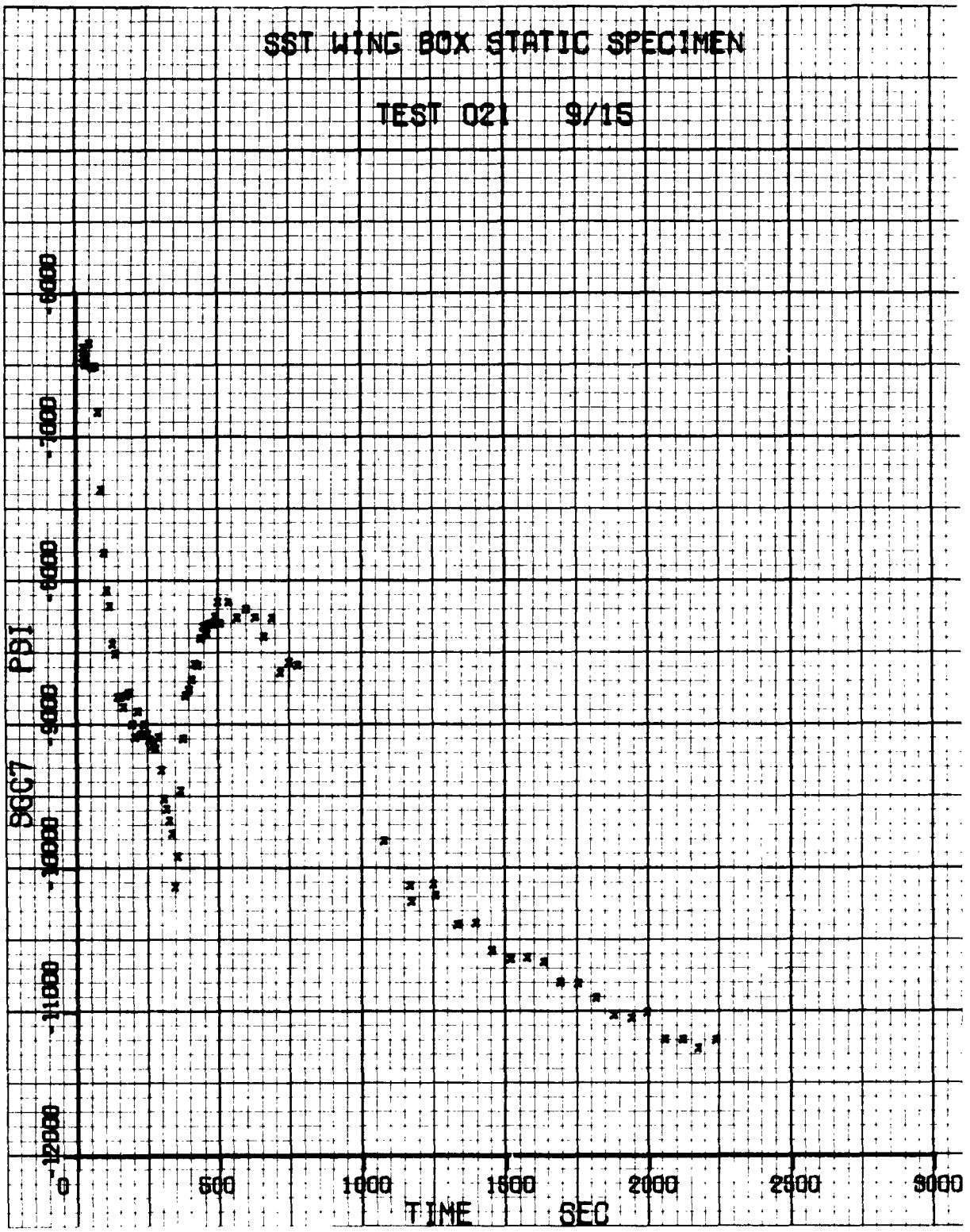
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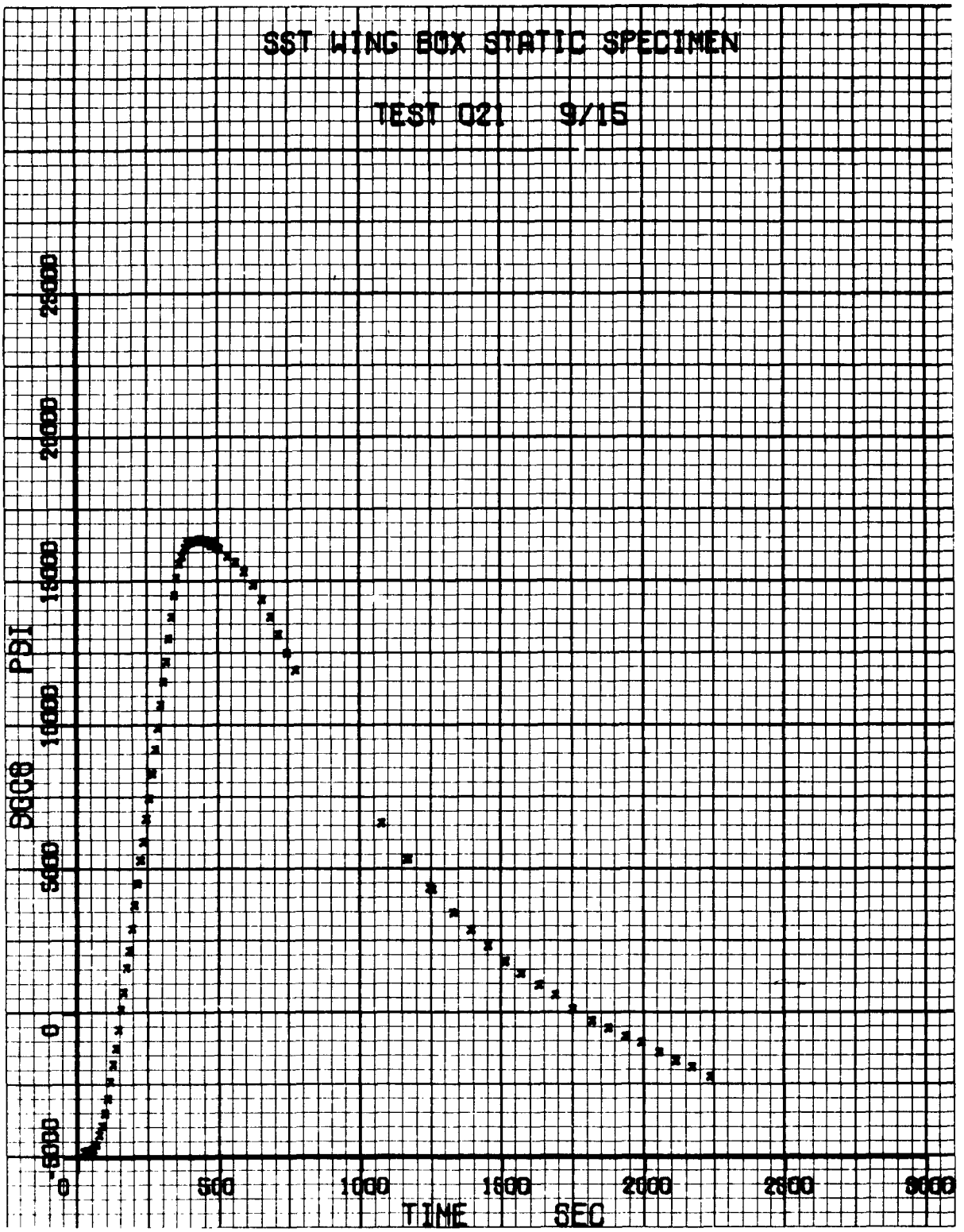
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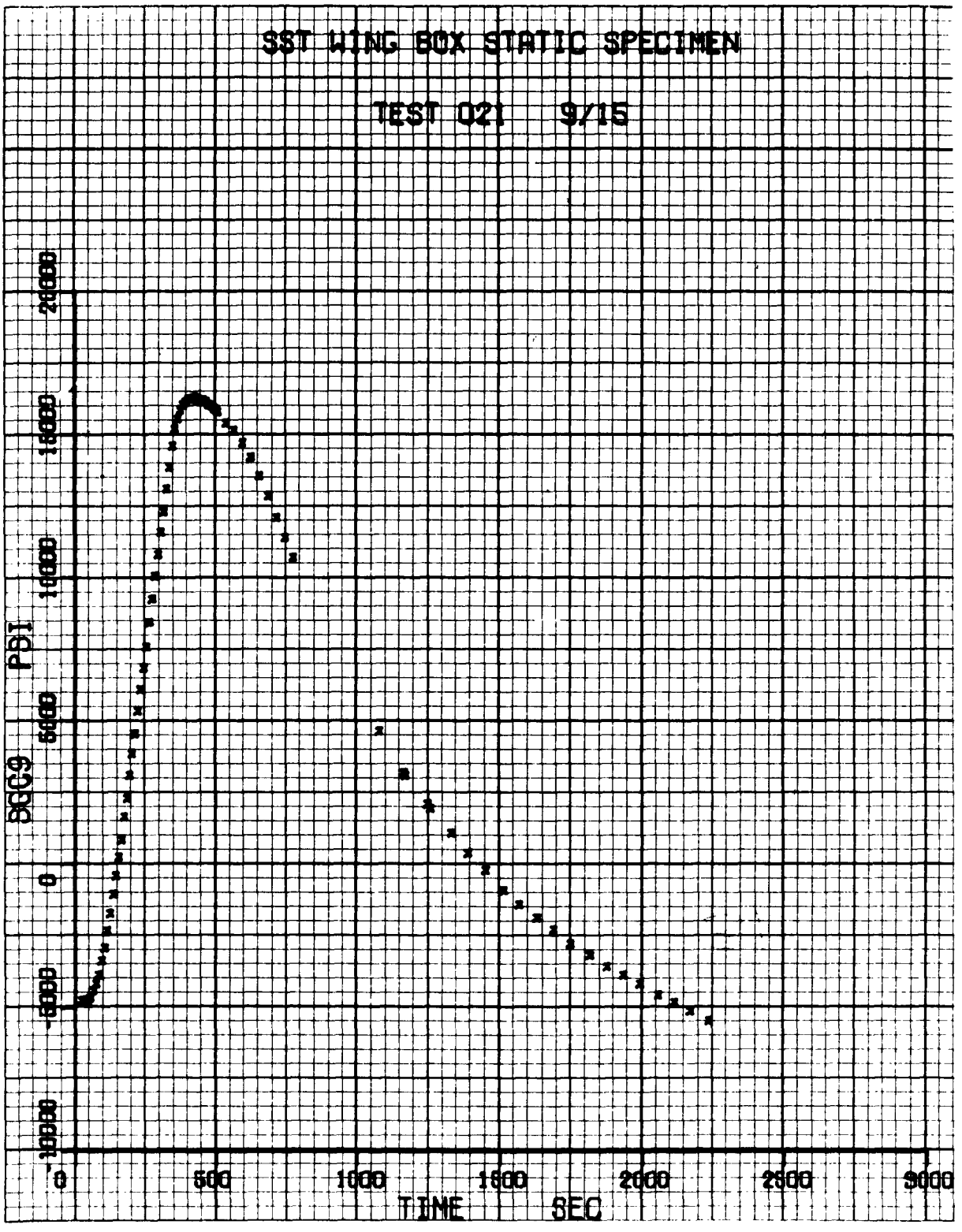
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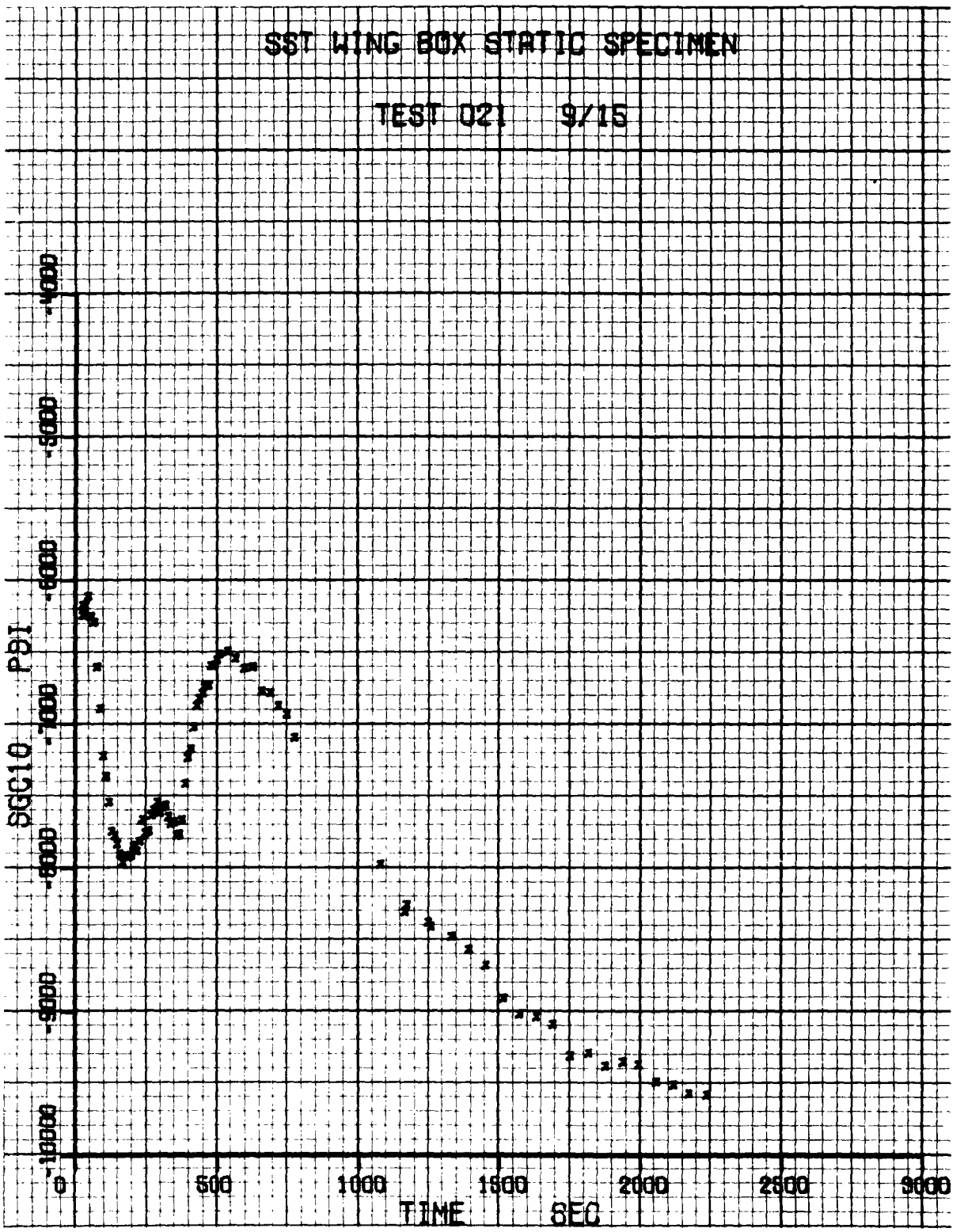
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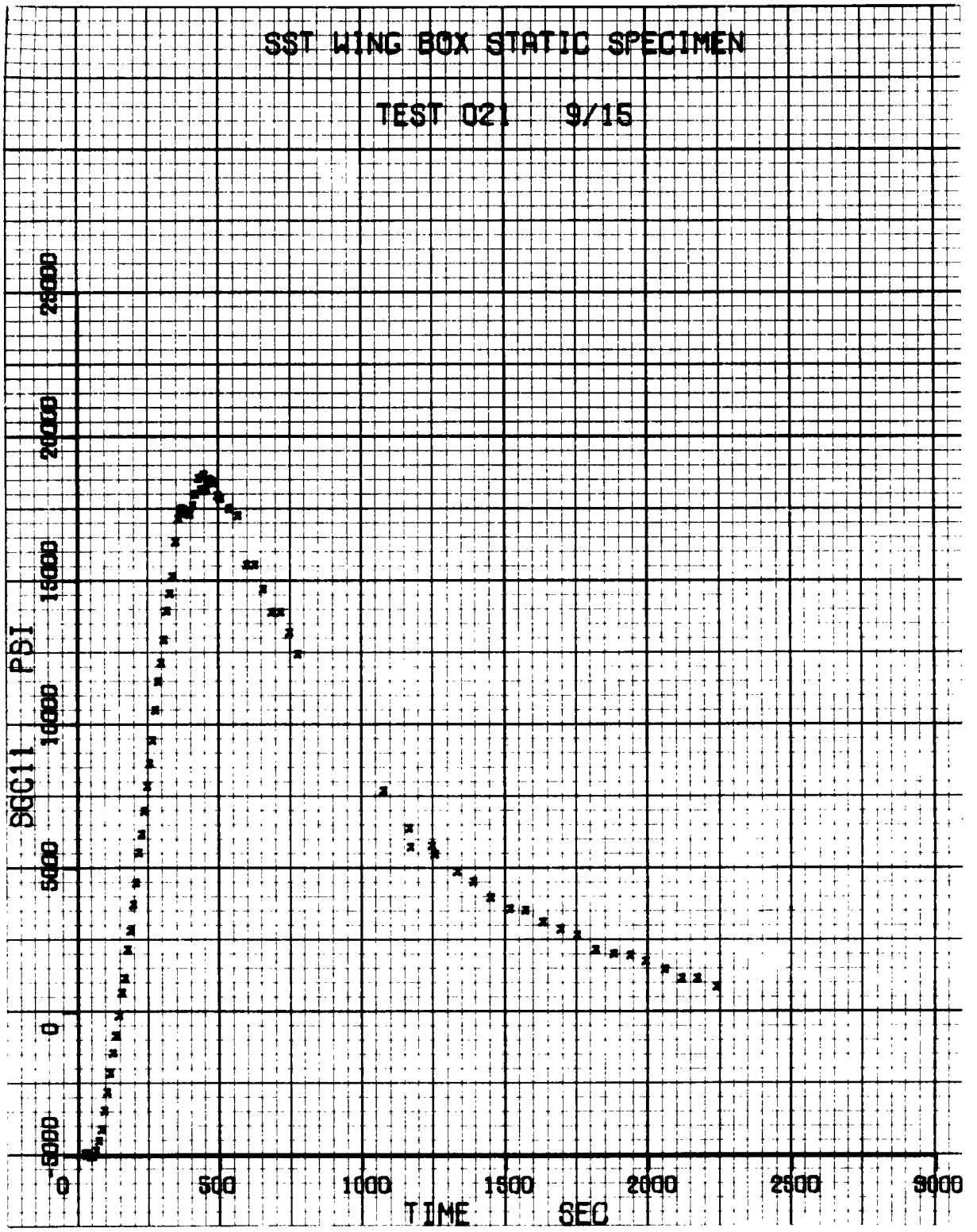
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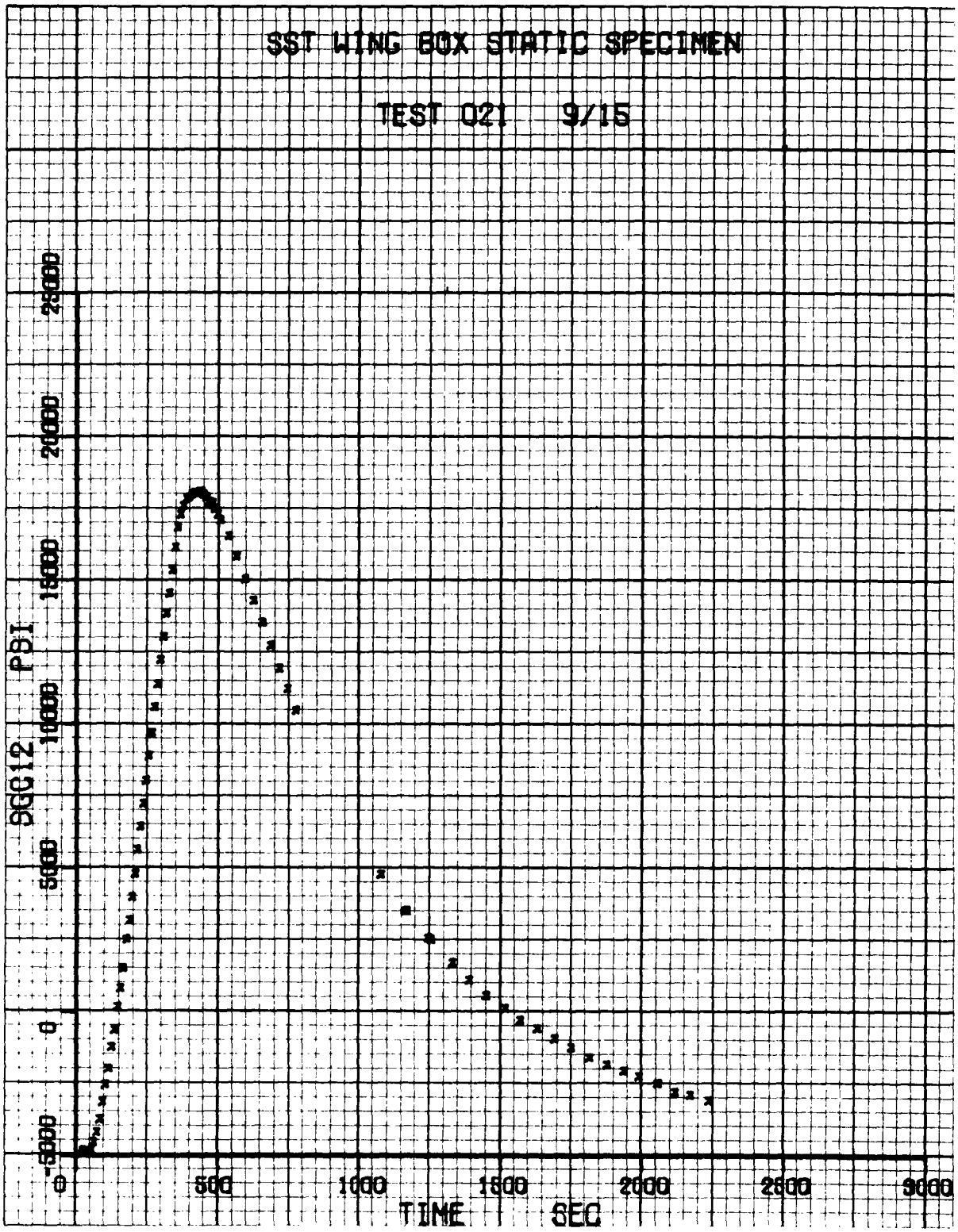
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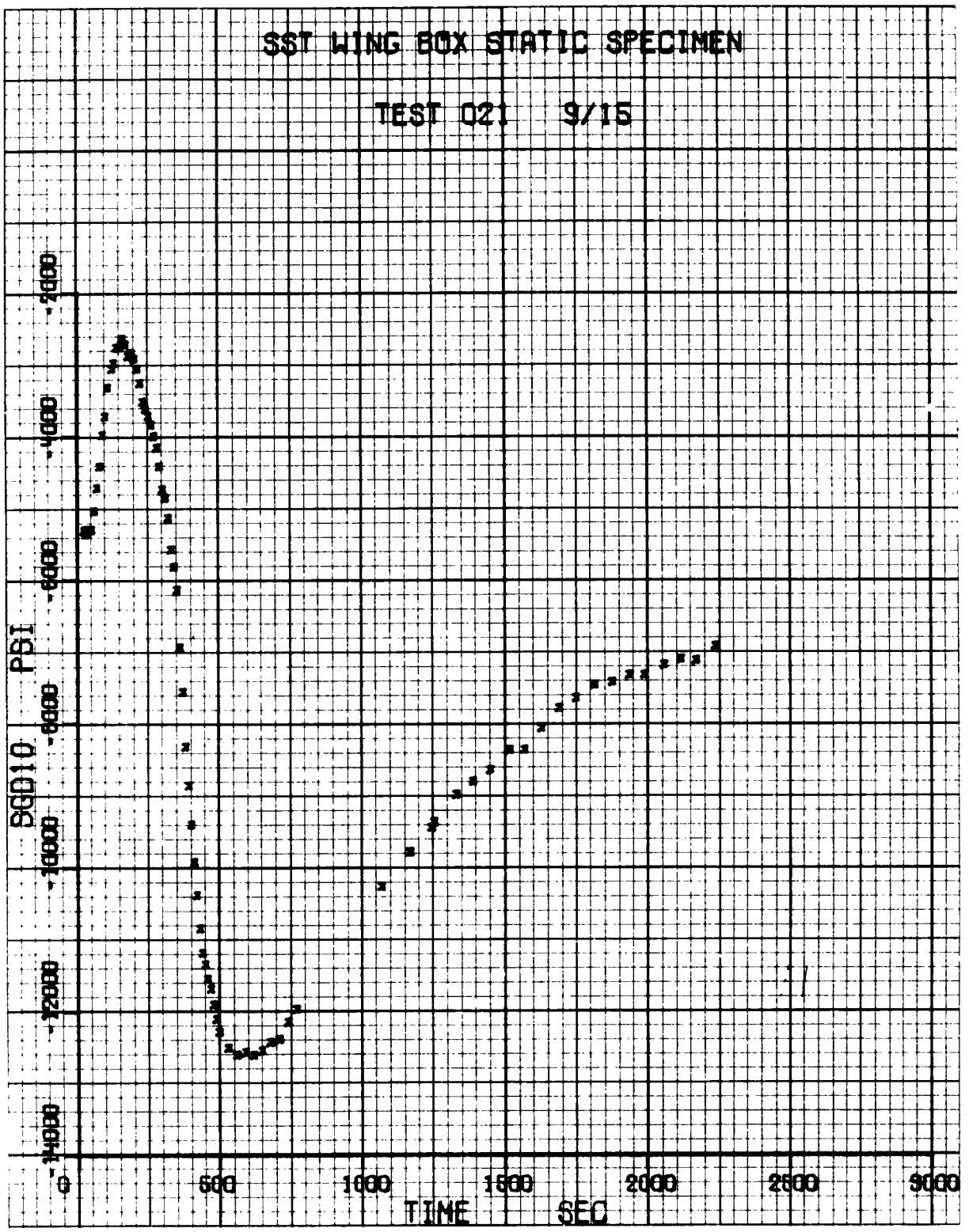
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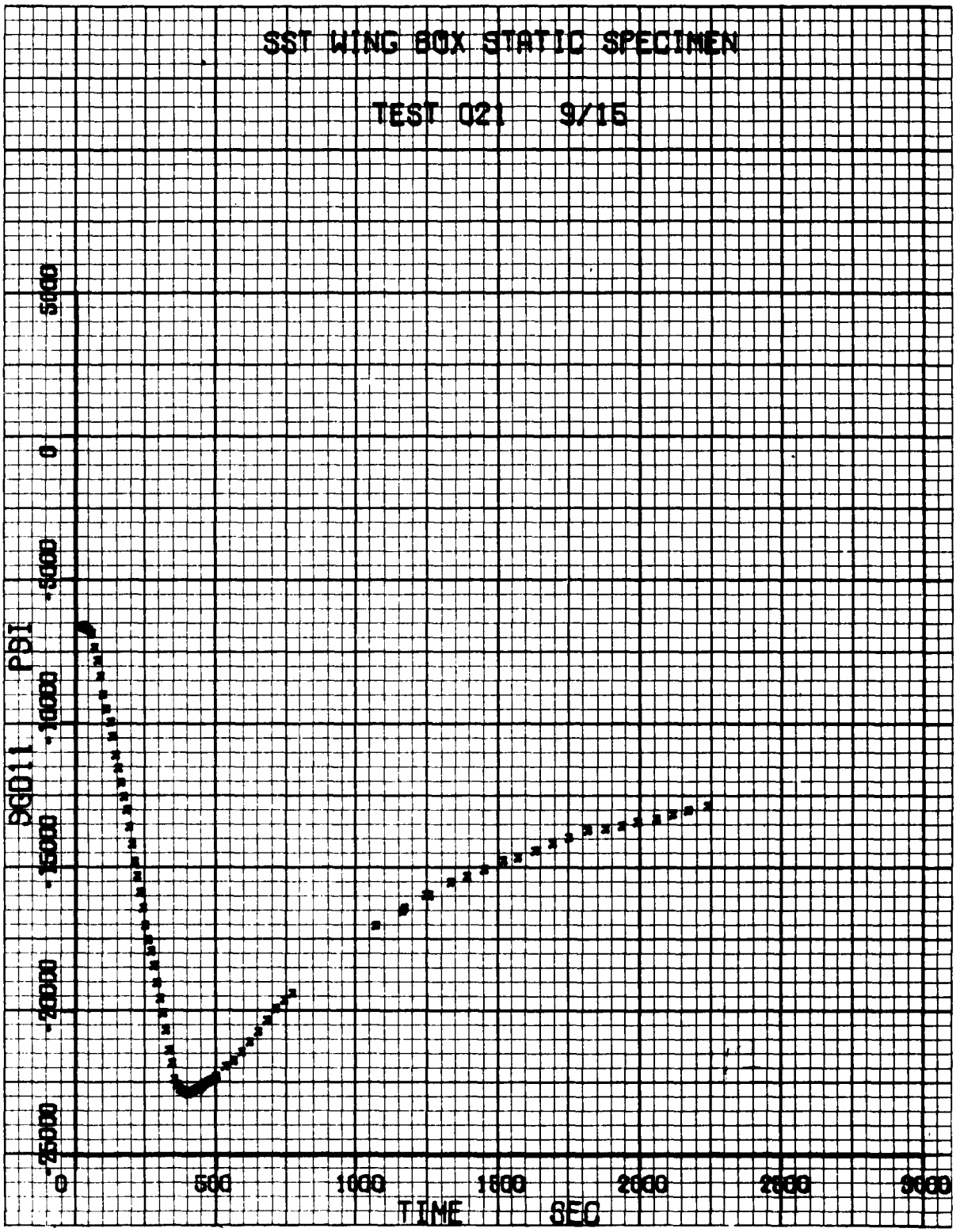
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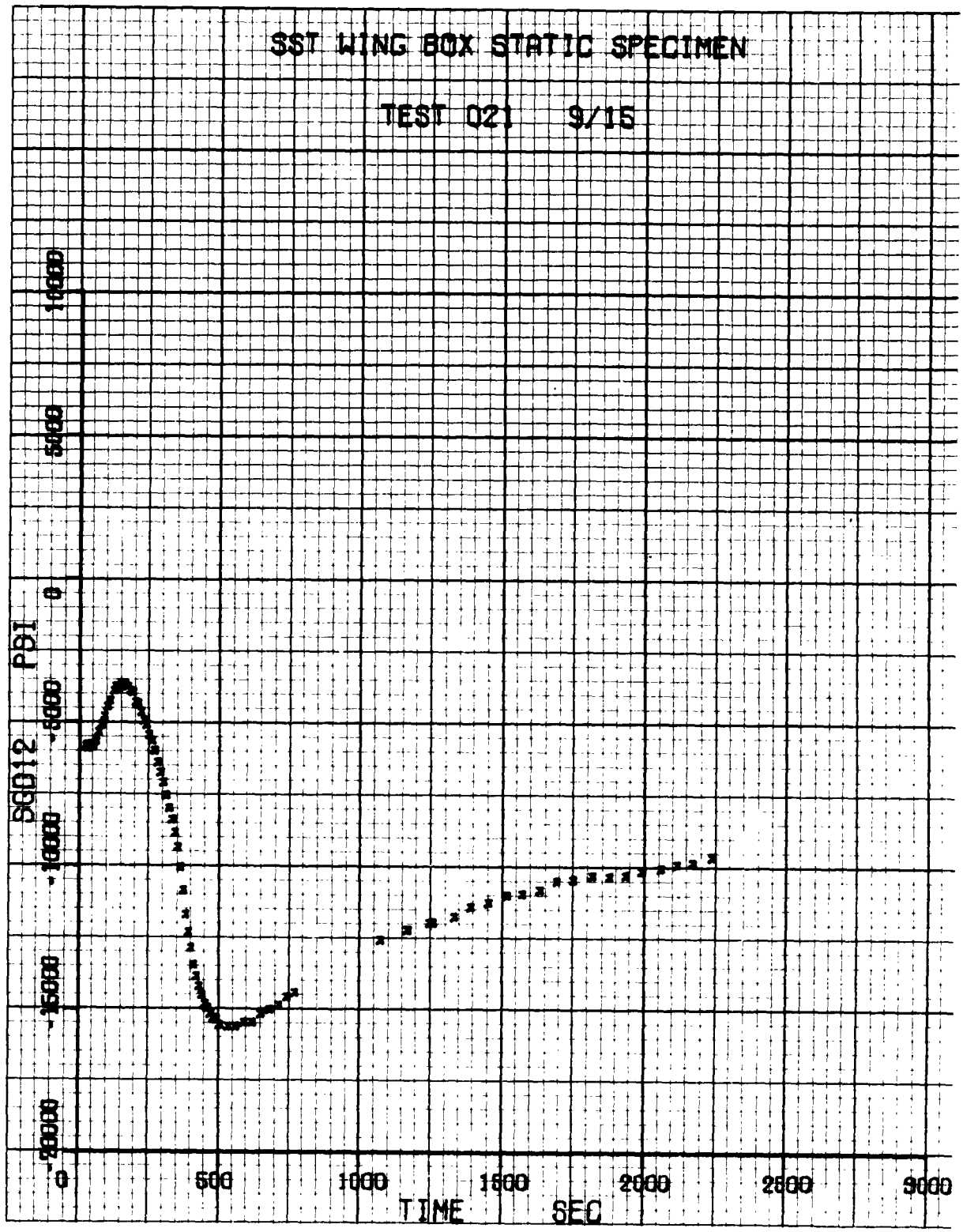
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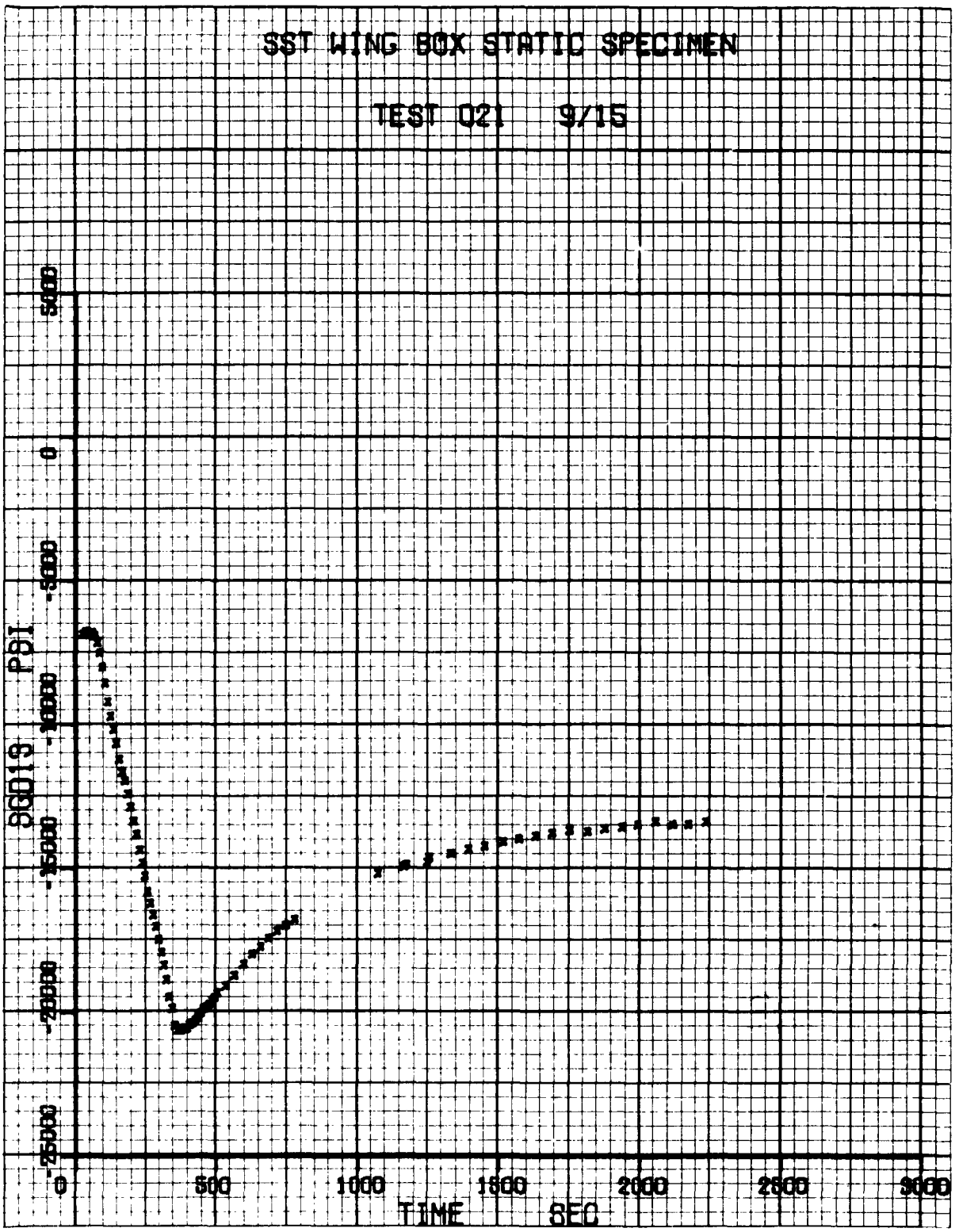
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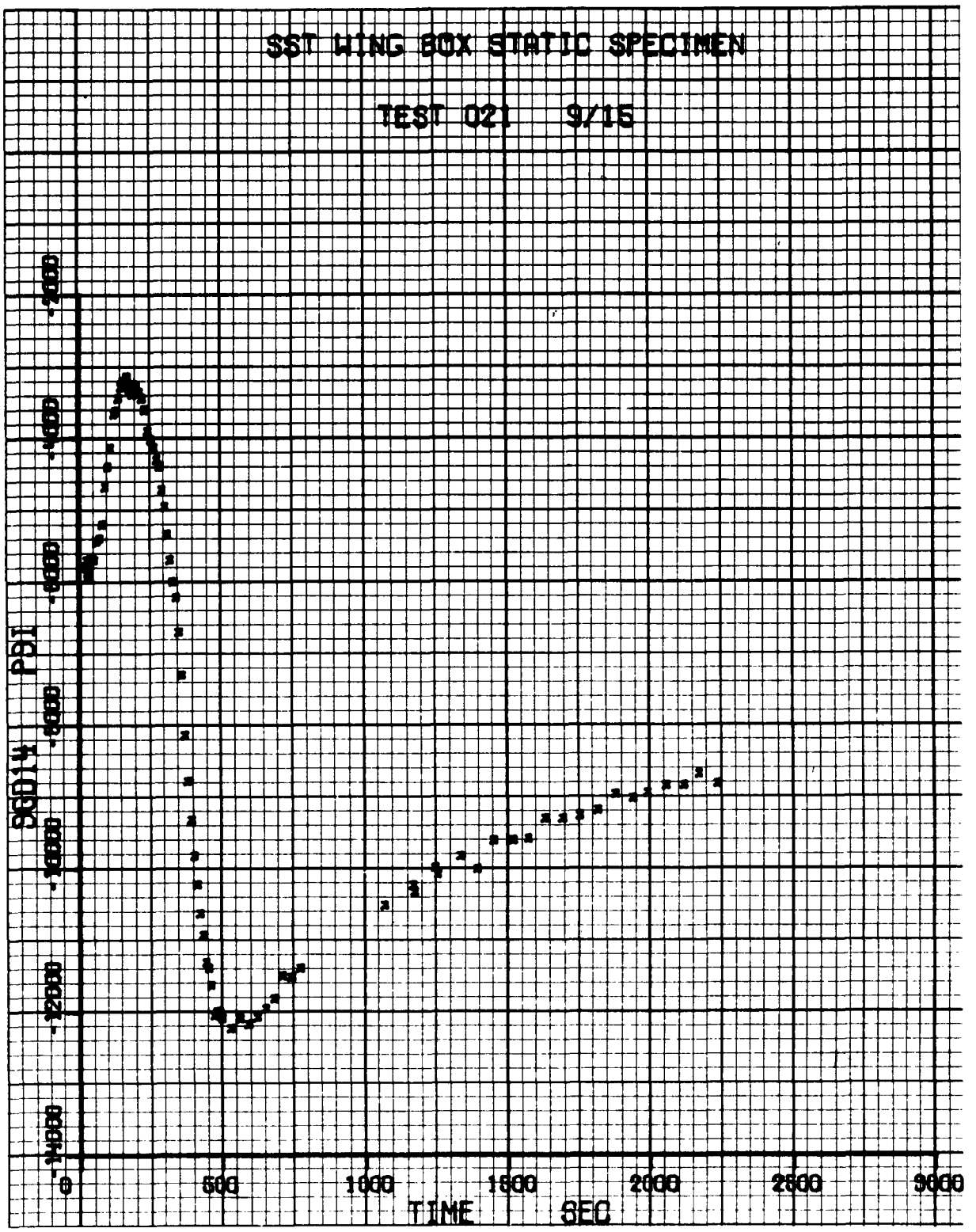
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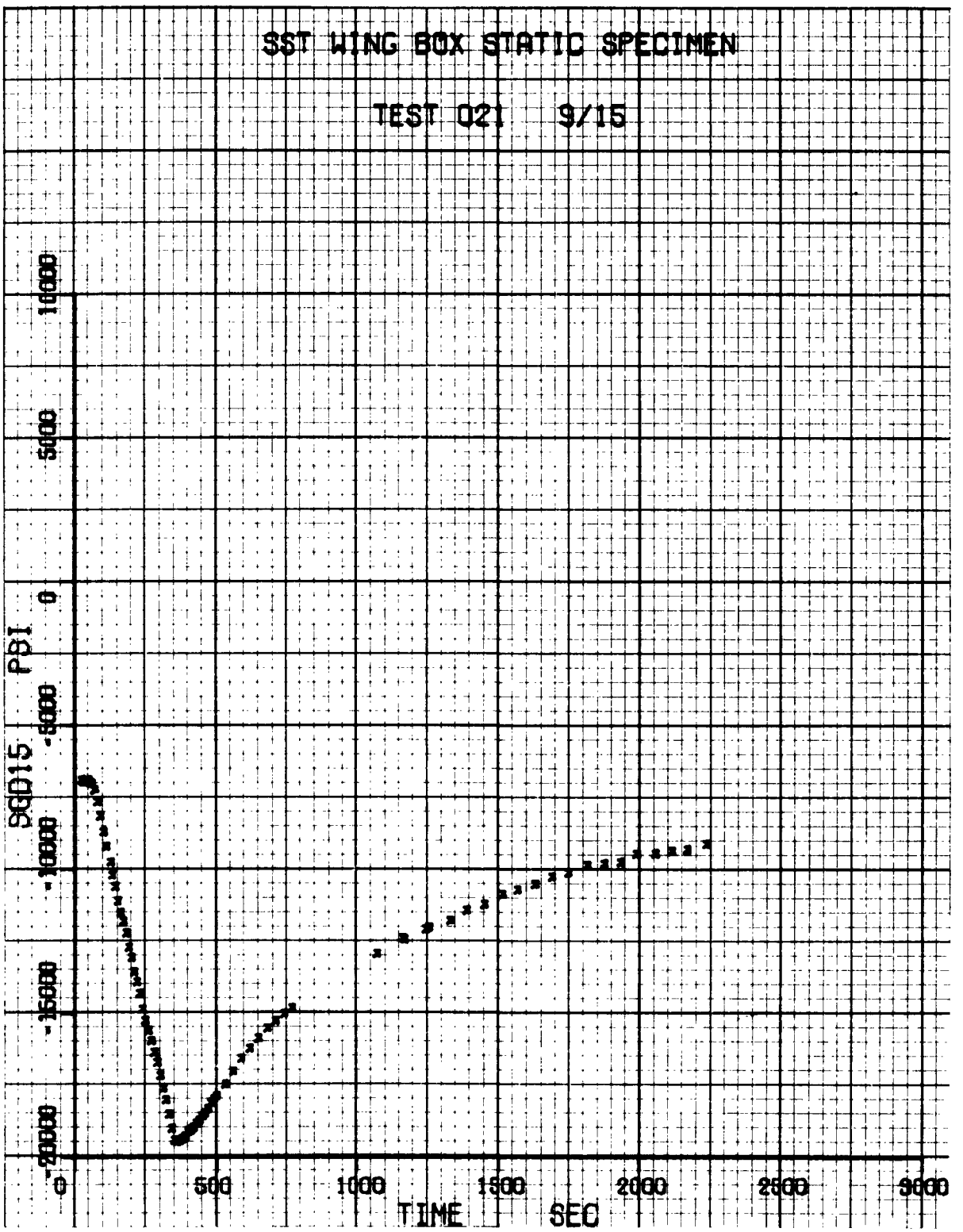
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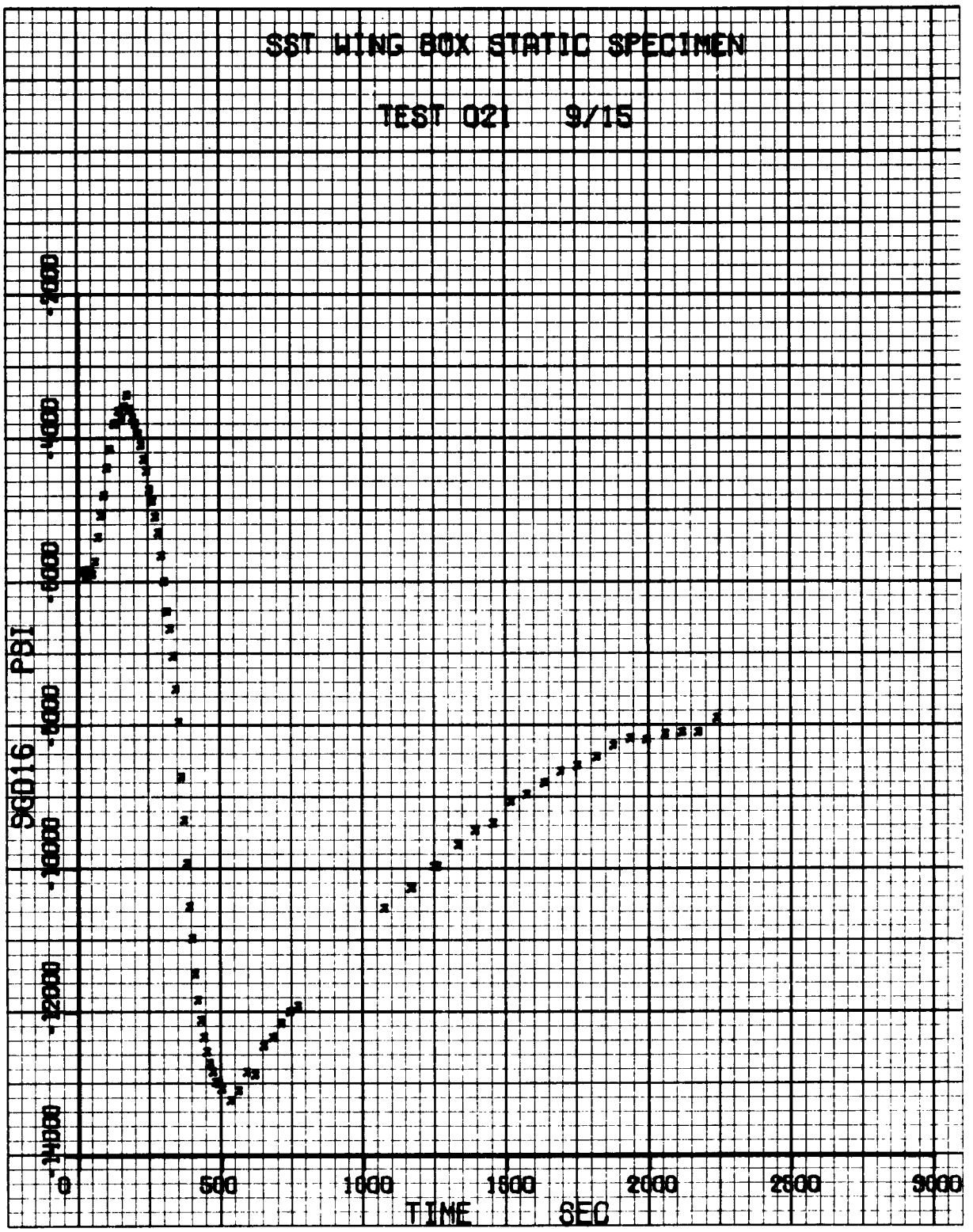
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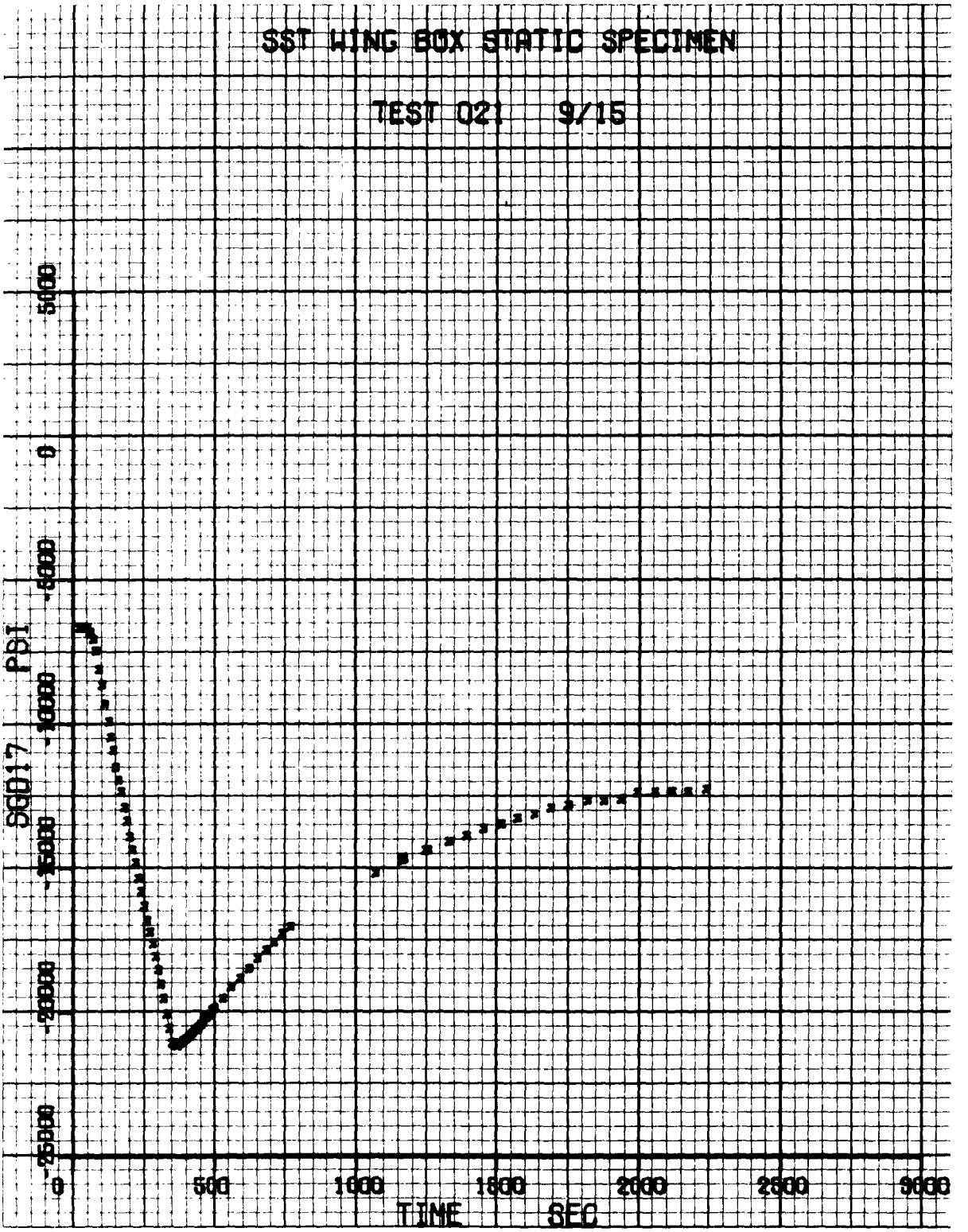
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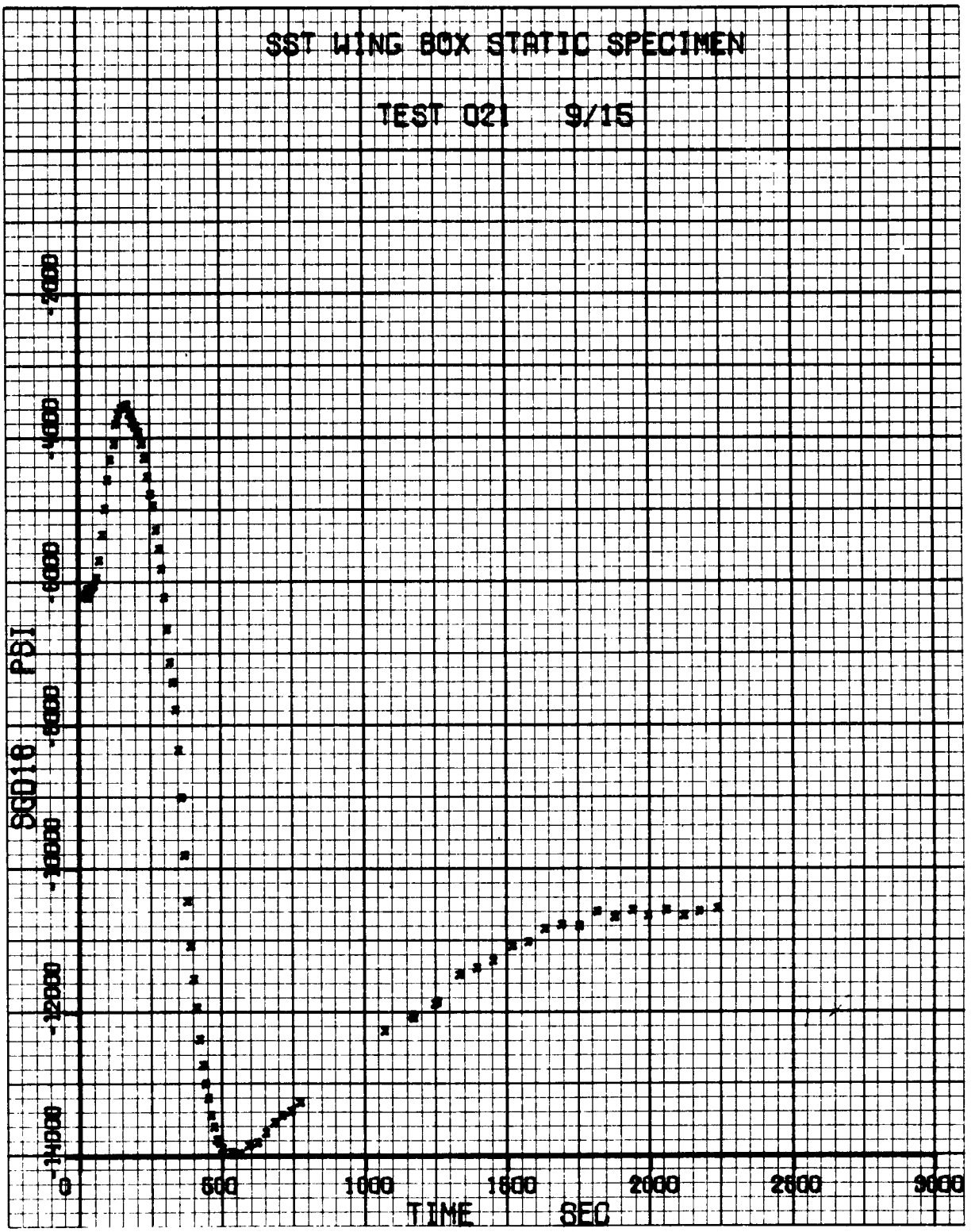
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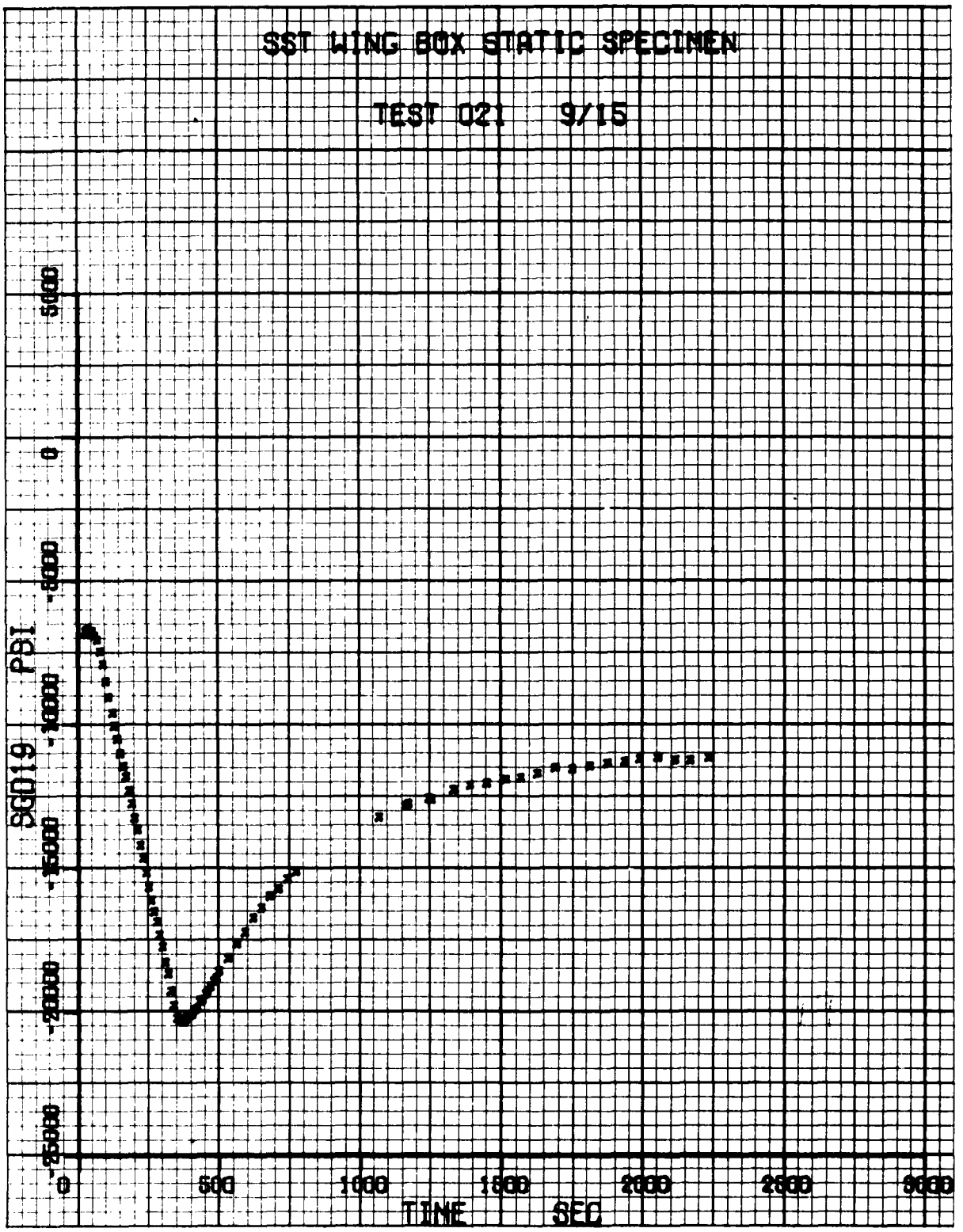
SST WING BOX STATIC SPECIMEN
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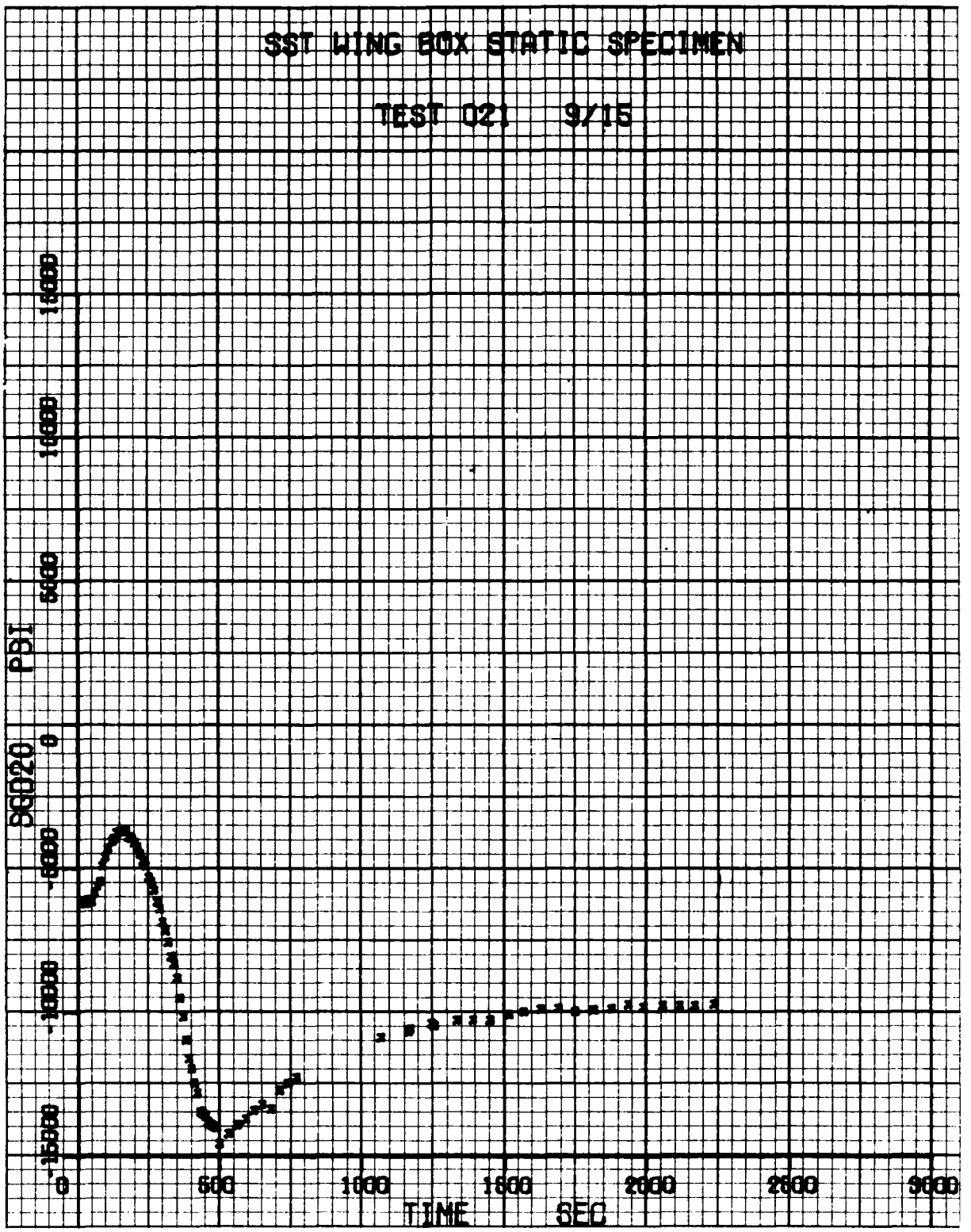
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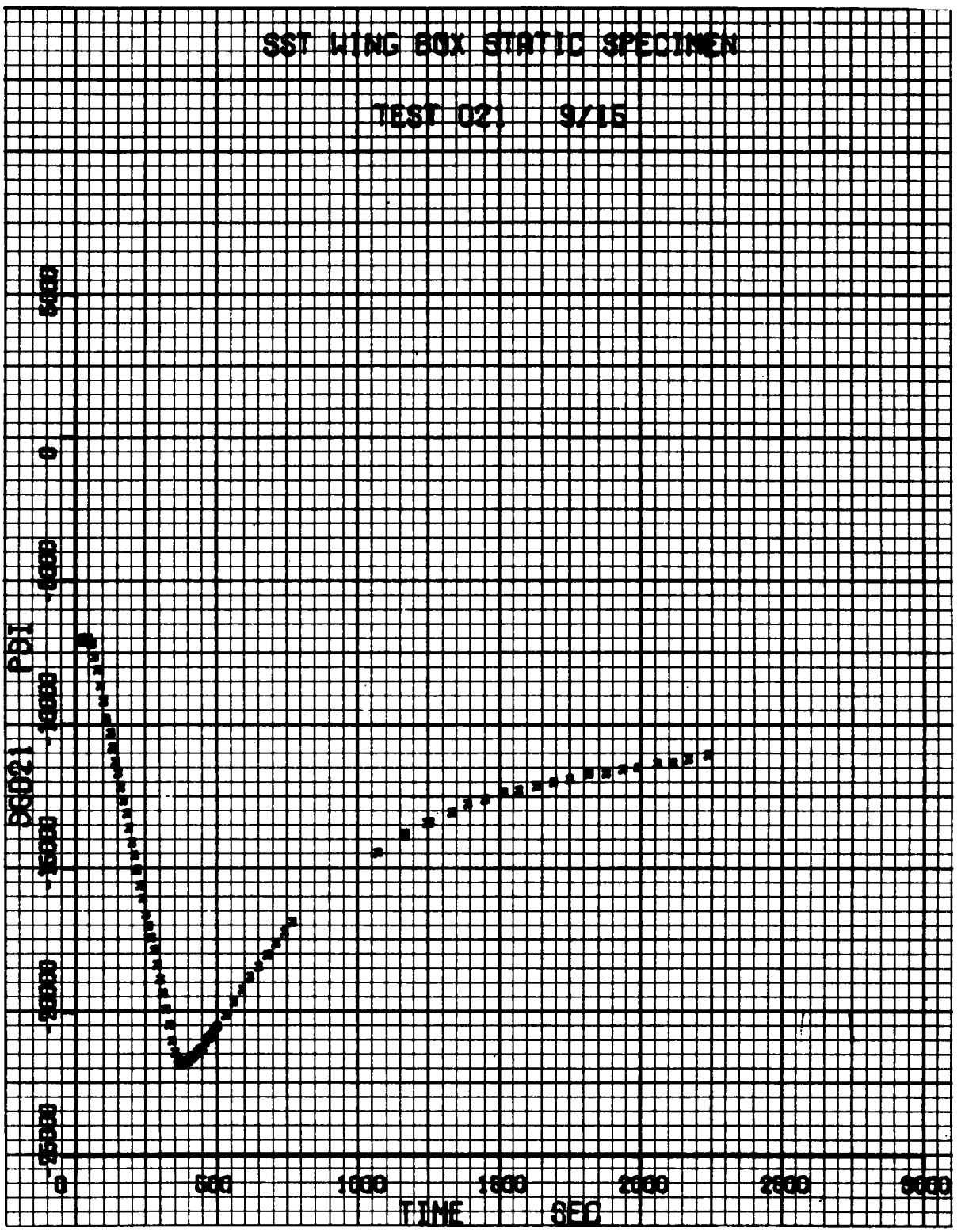
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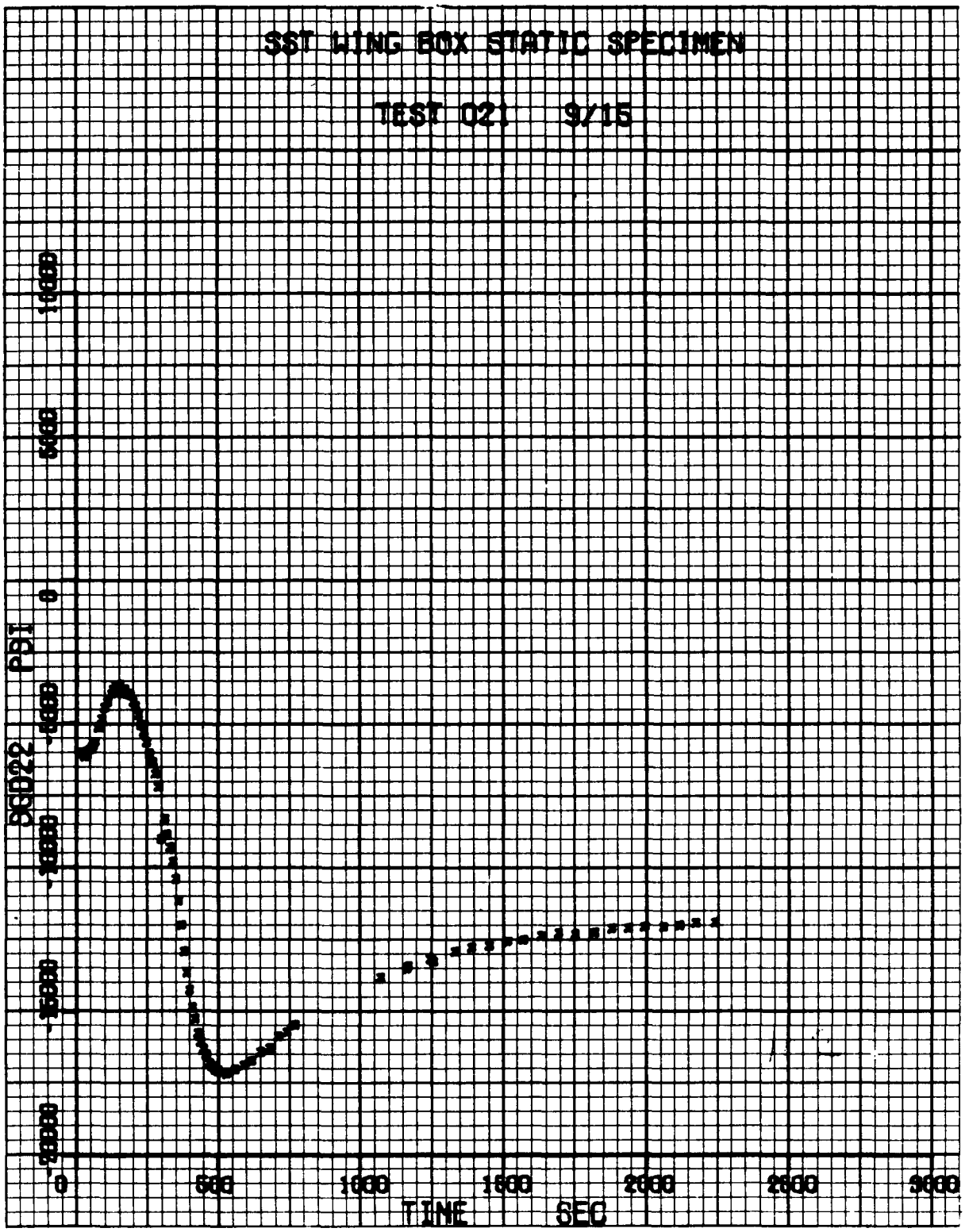
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PSI
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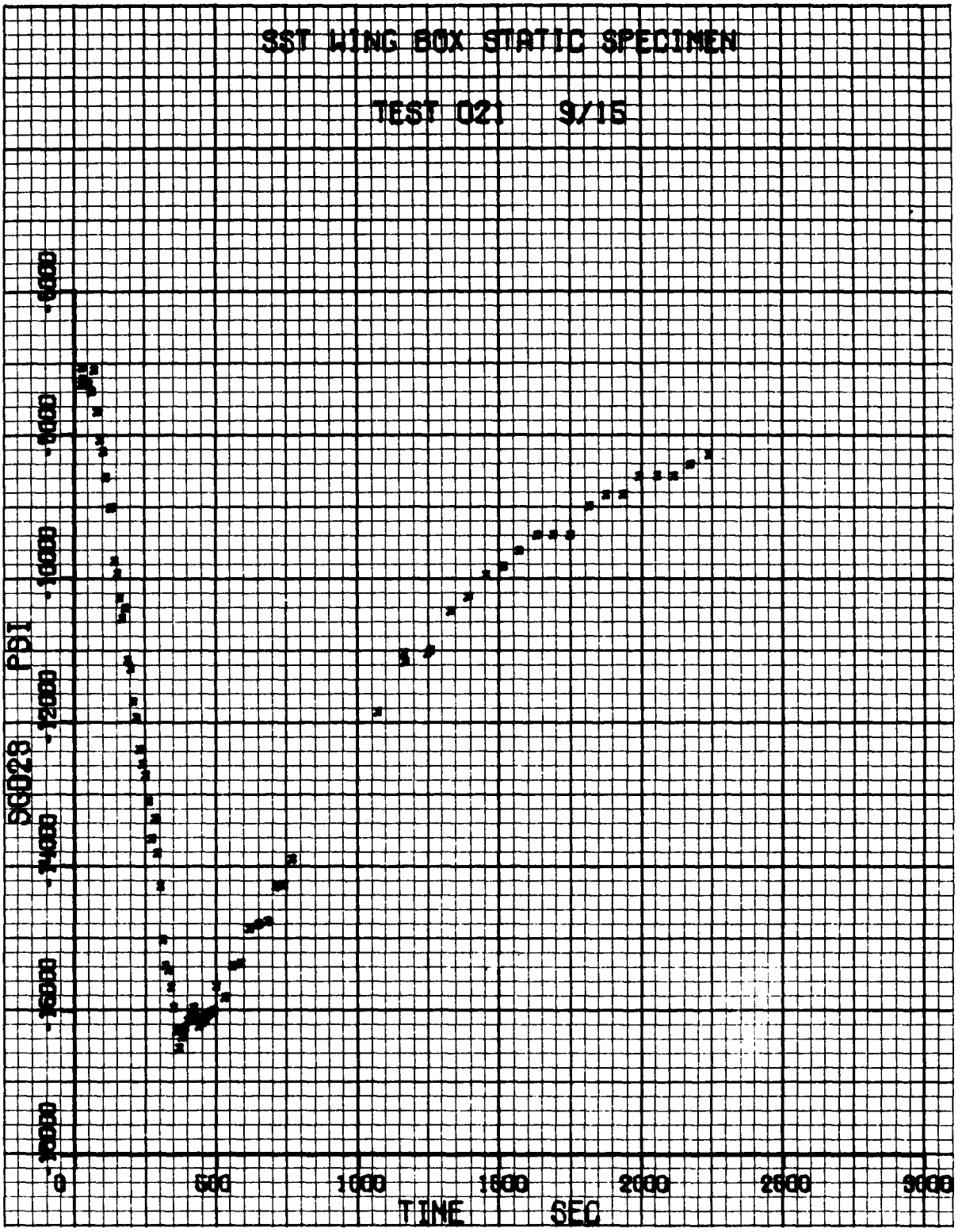
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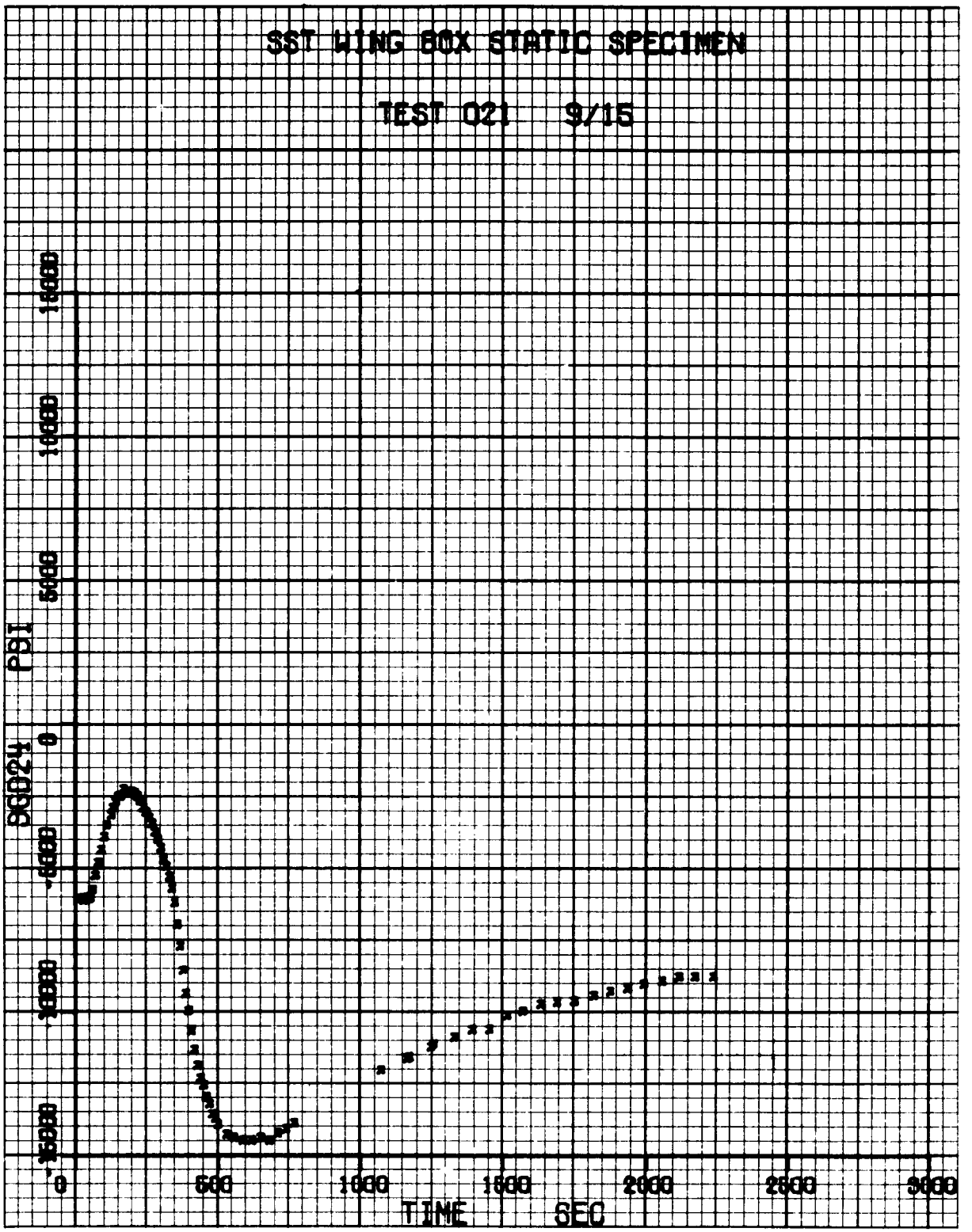
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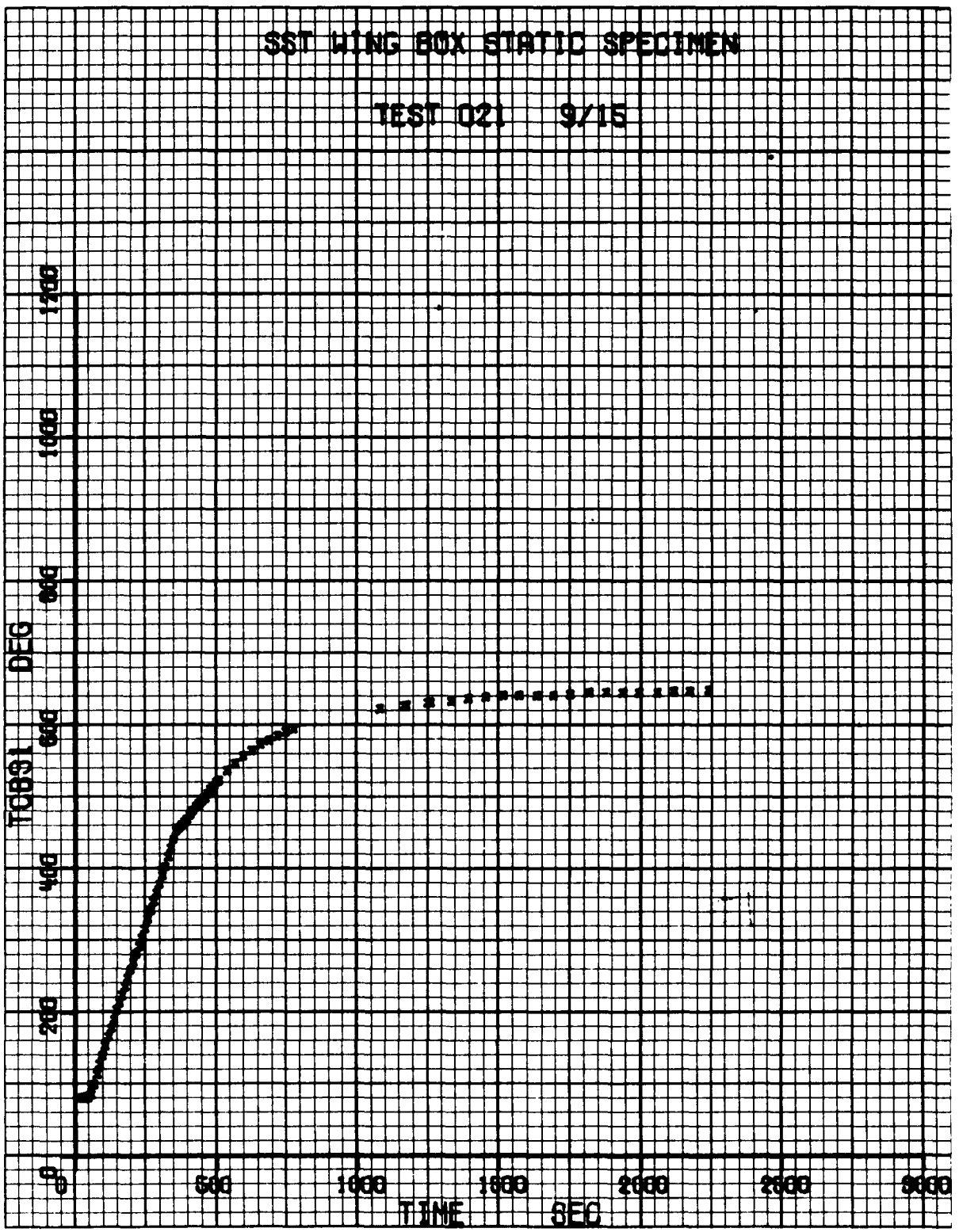
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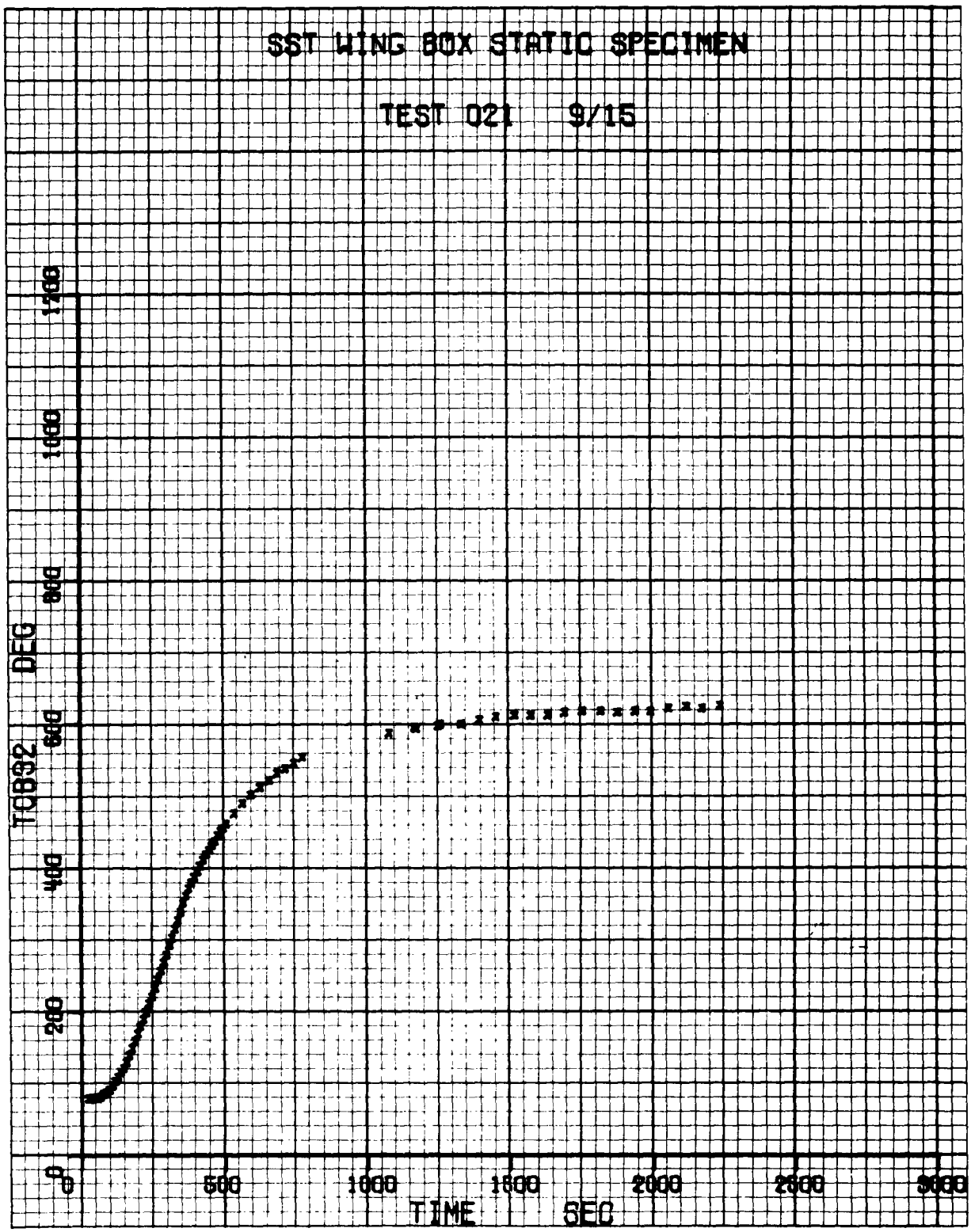
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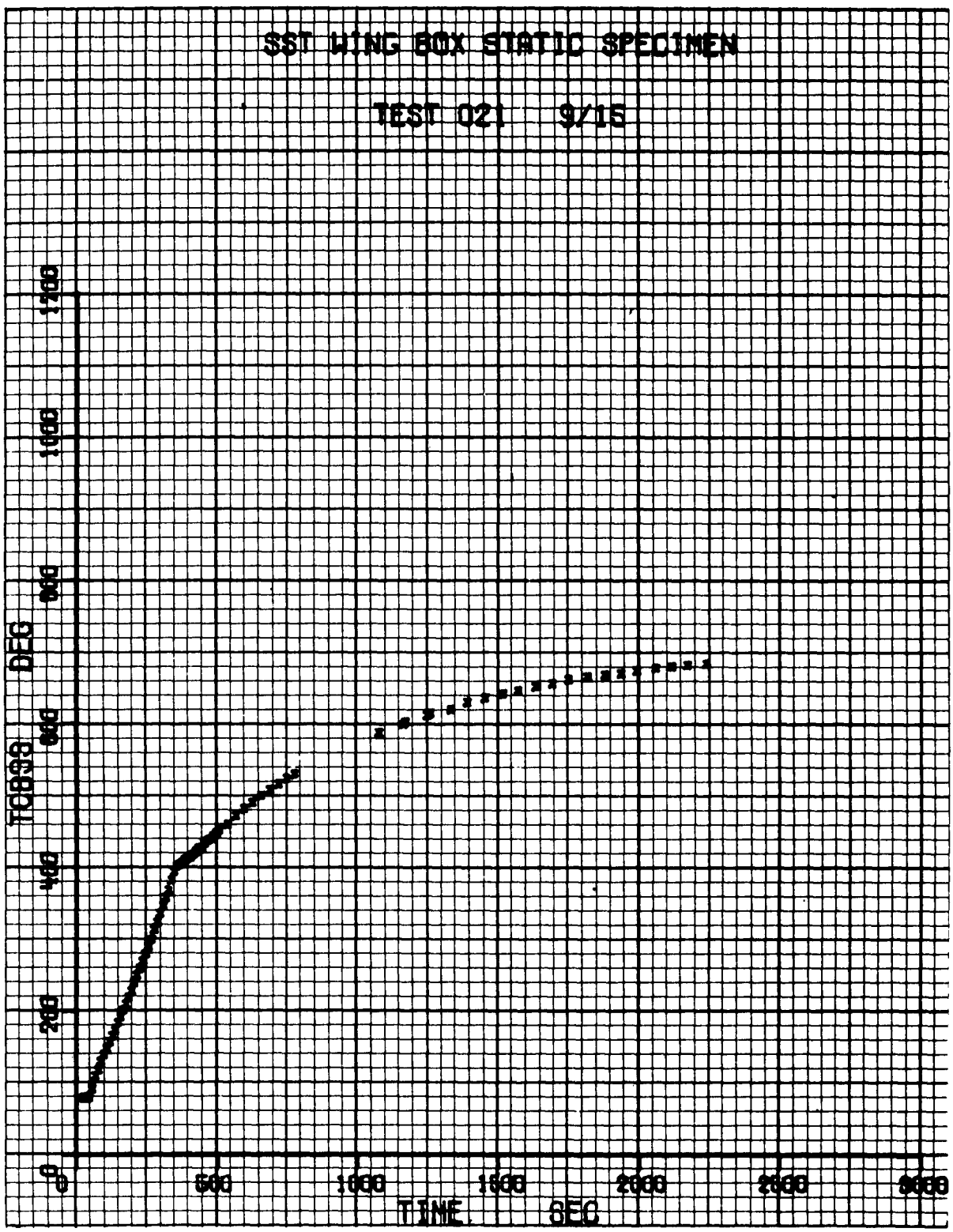
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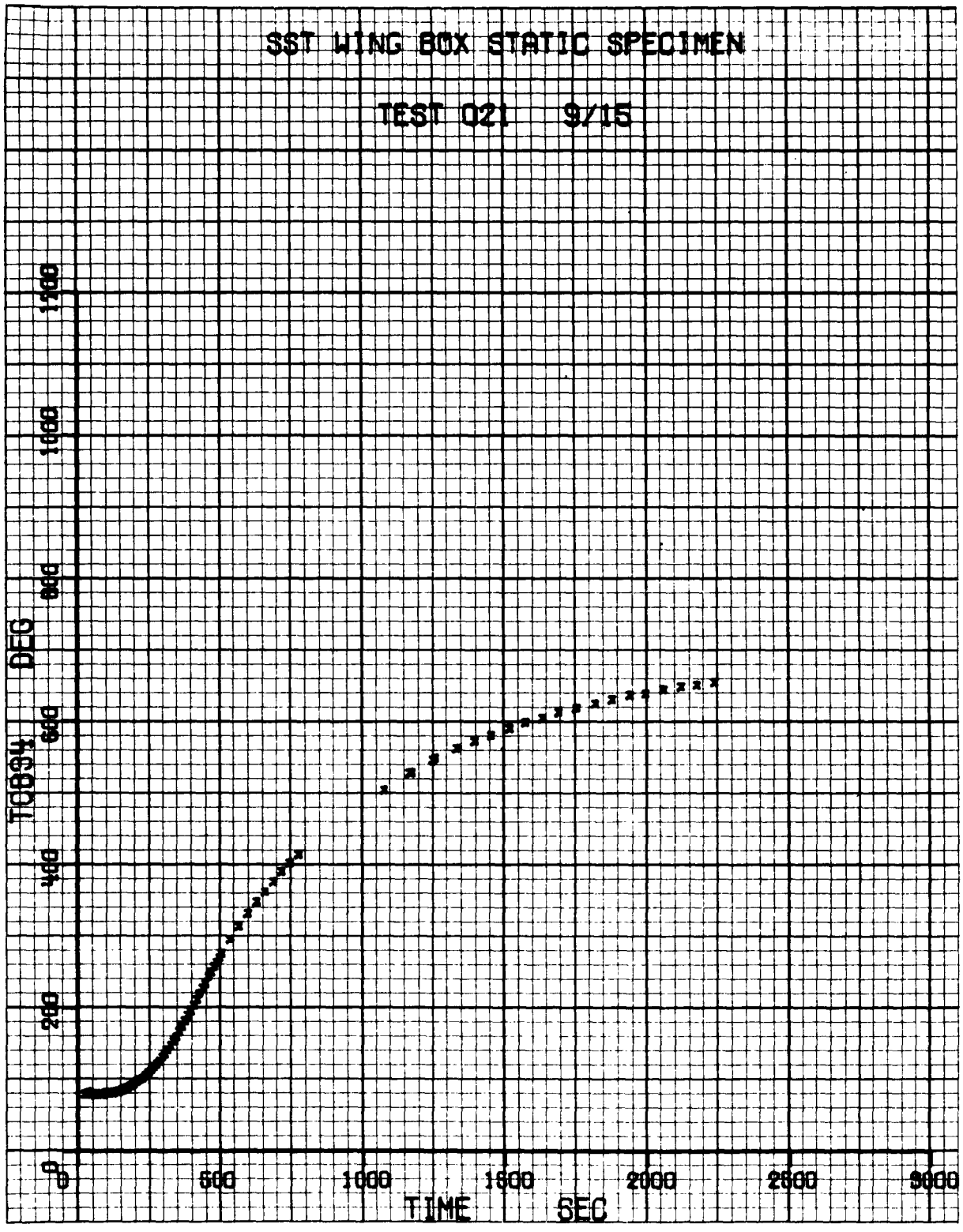
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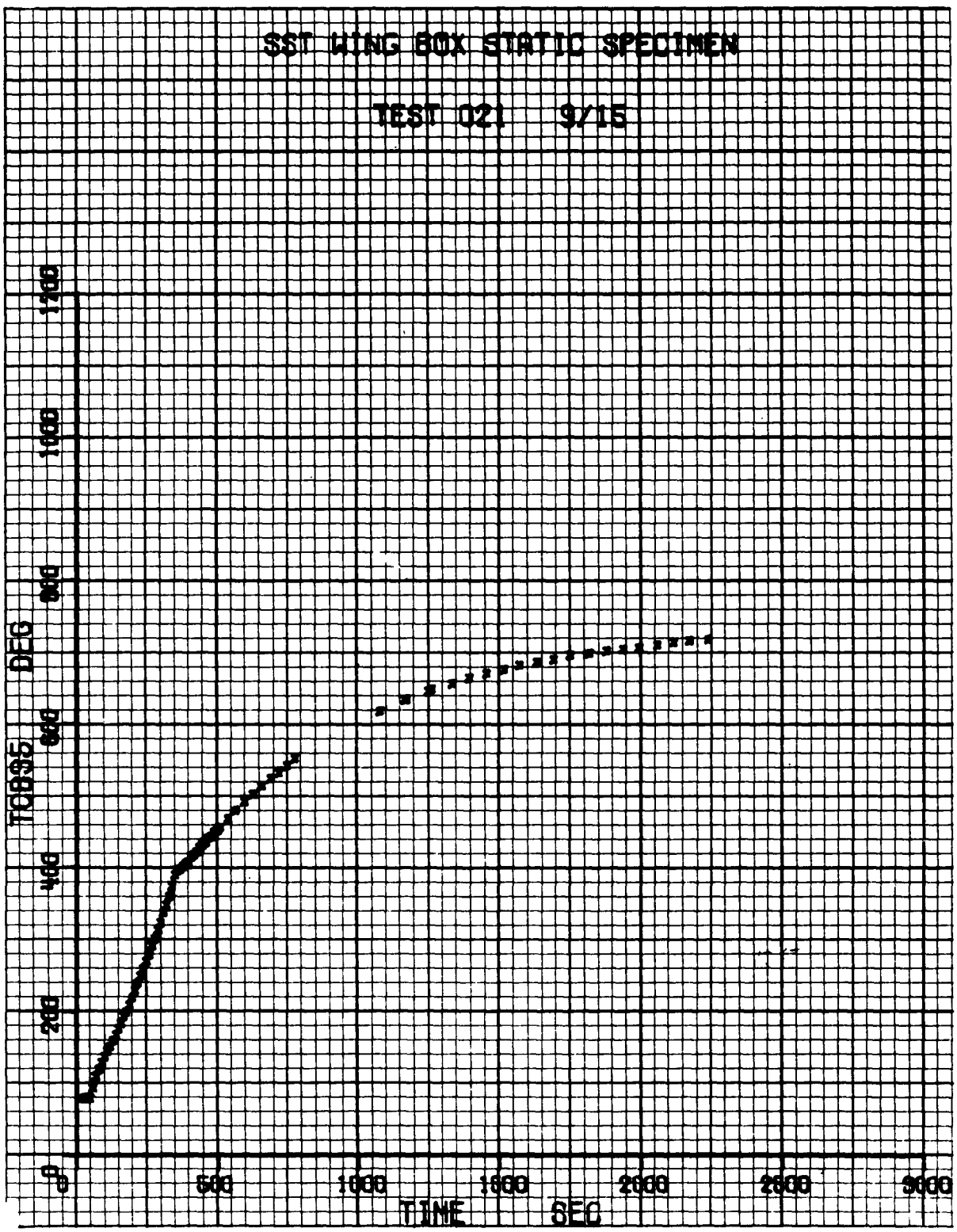
TIME SEC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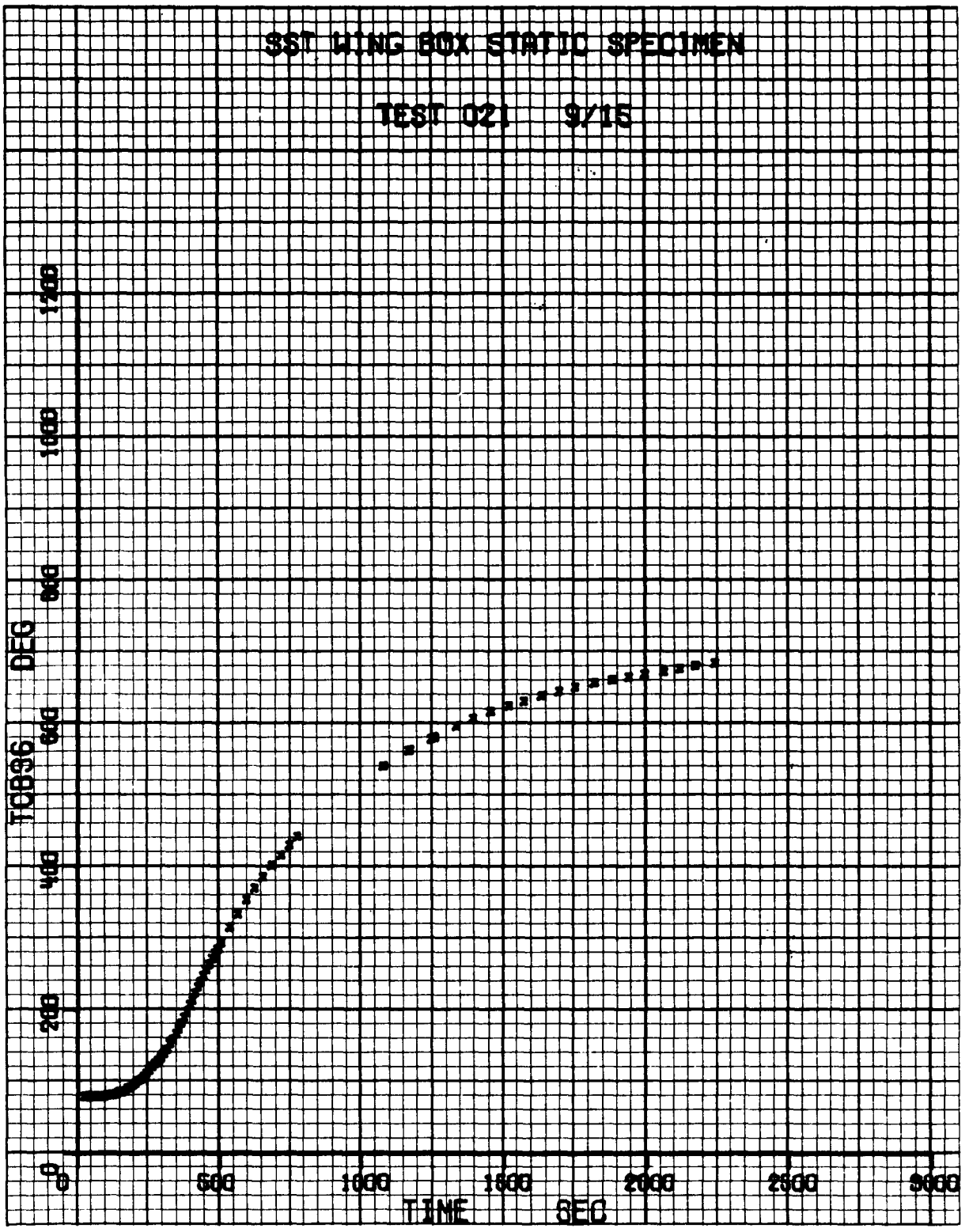
TIME SEC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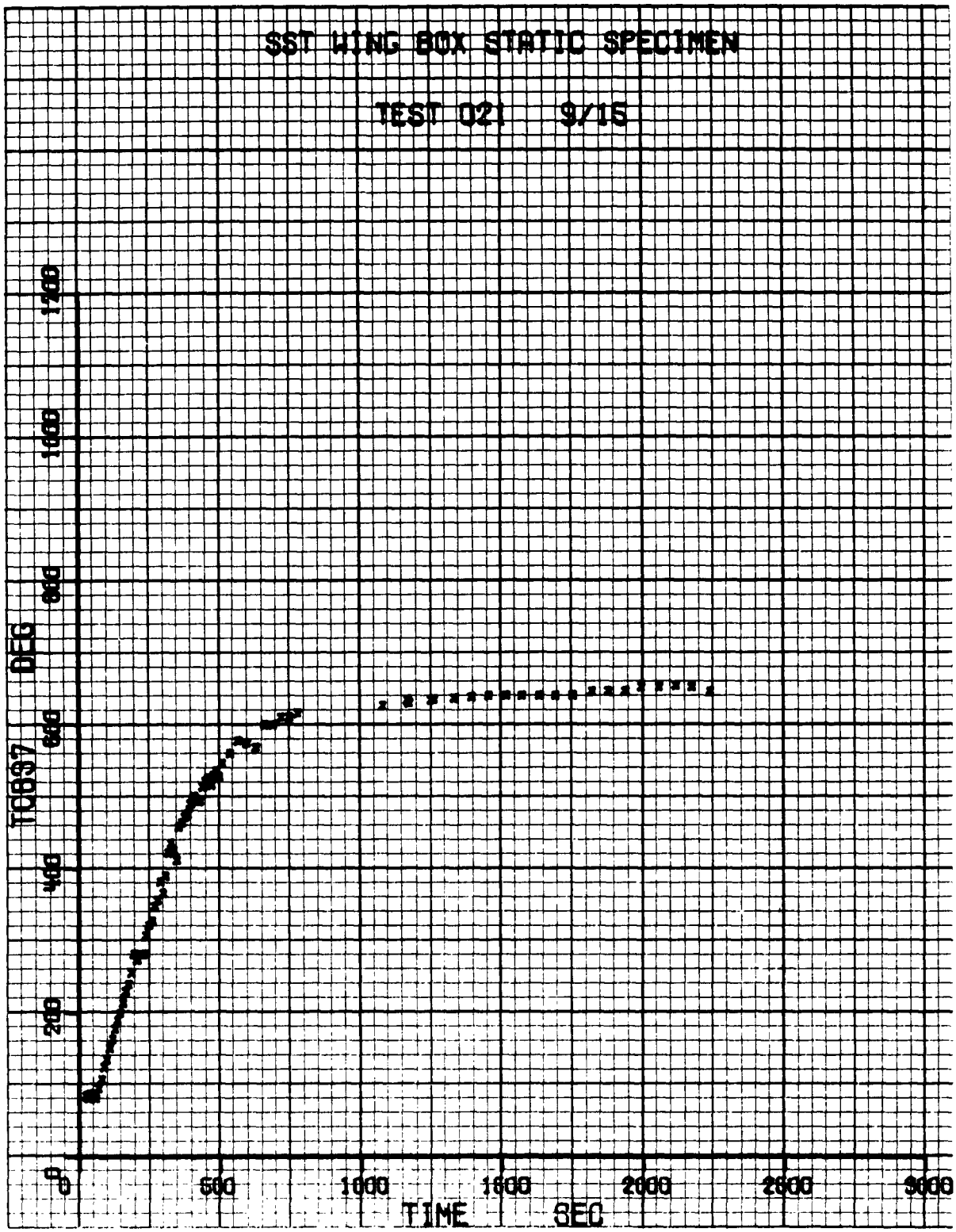
SST WING BOX STATIC SPECIMEN
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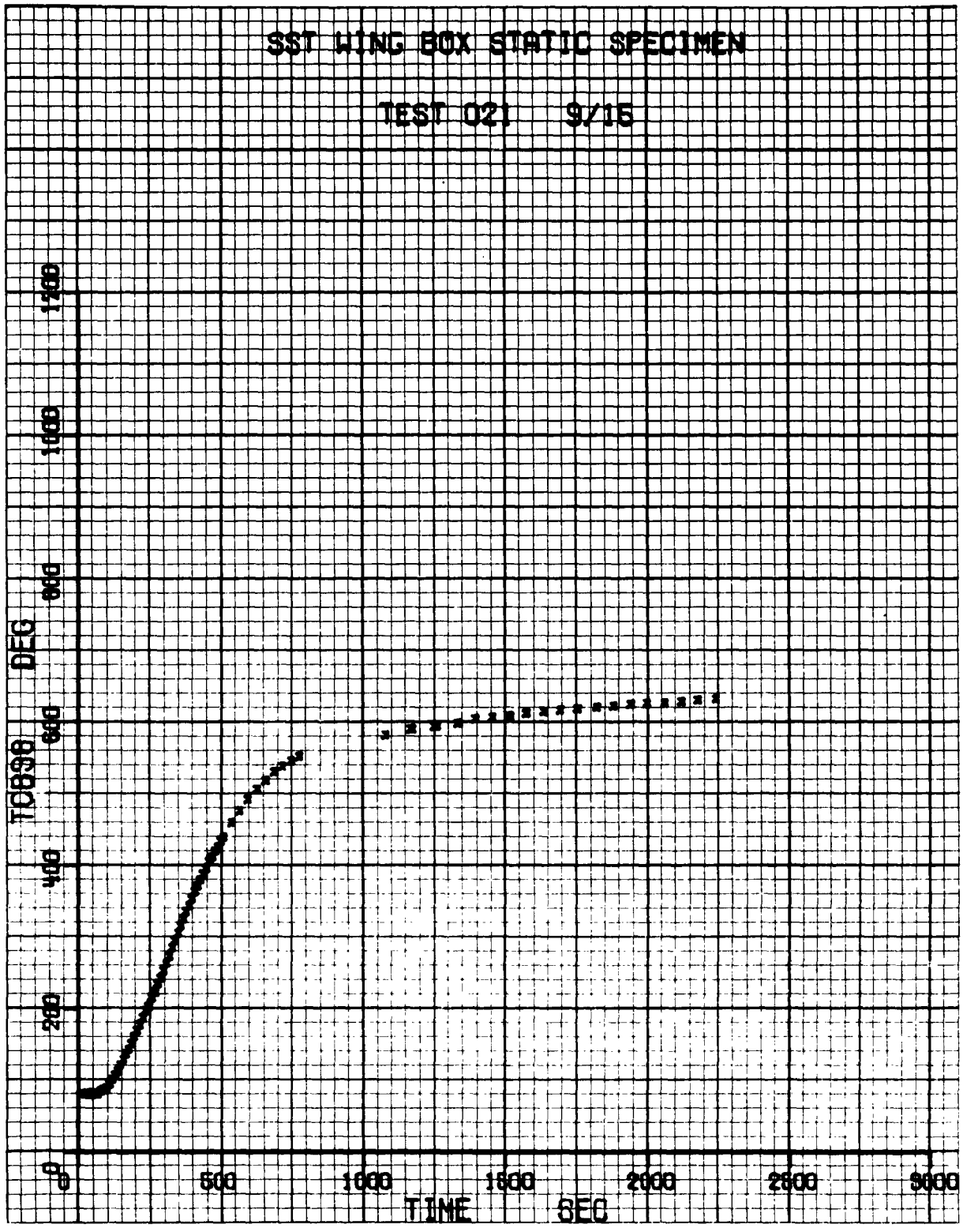
TIME SEC


SST WING BOX STATIC SPECIMEN
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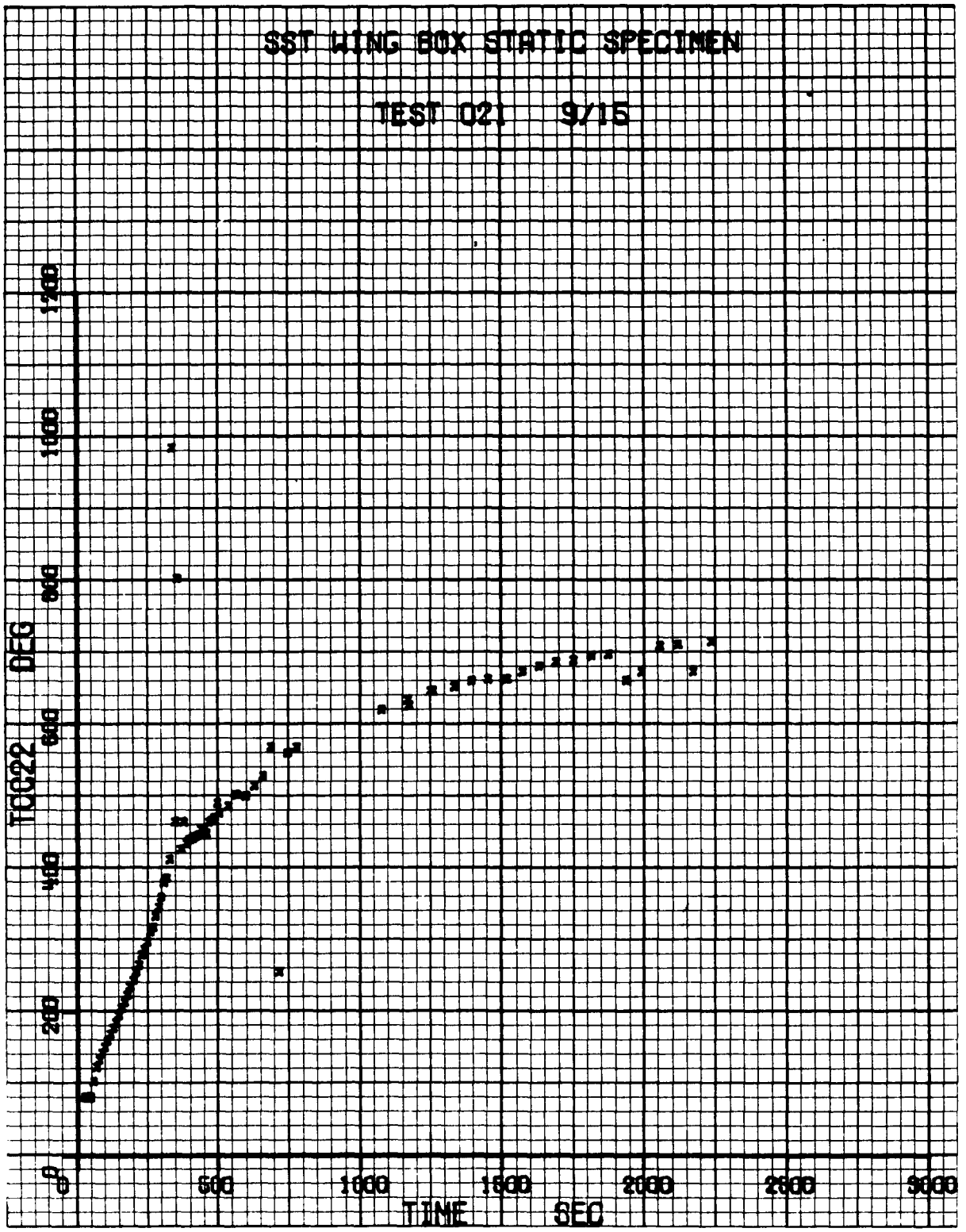
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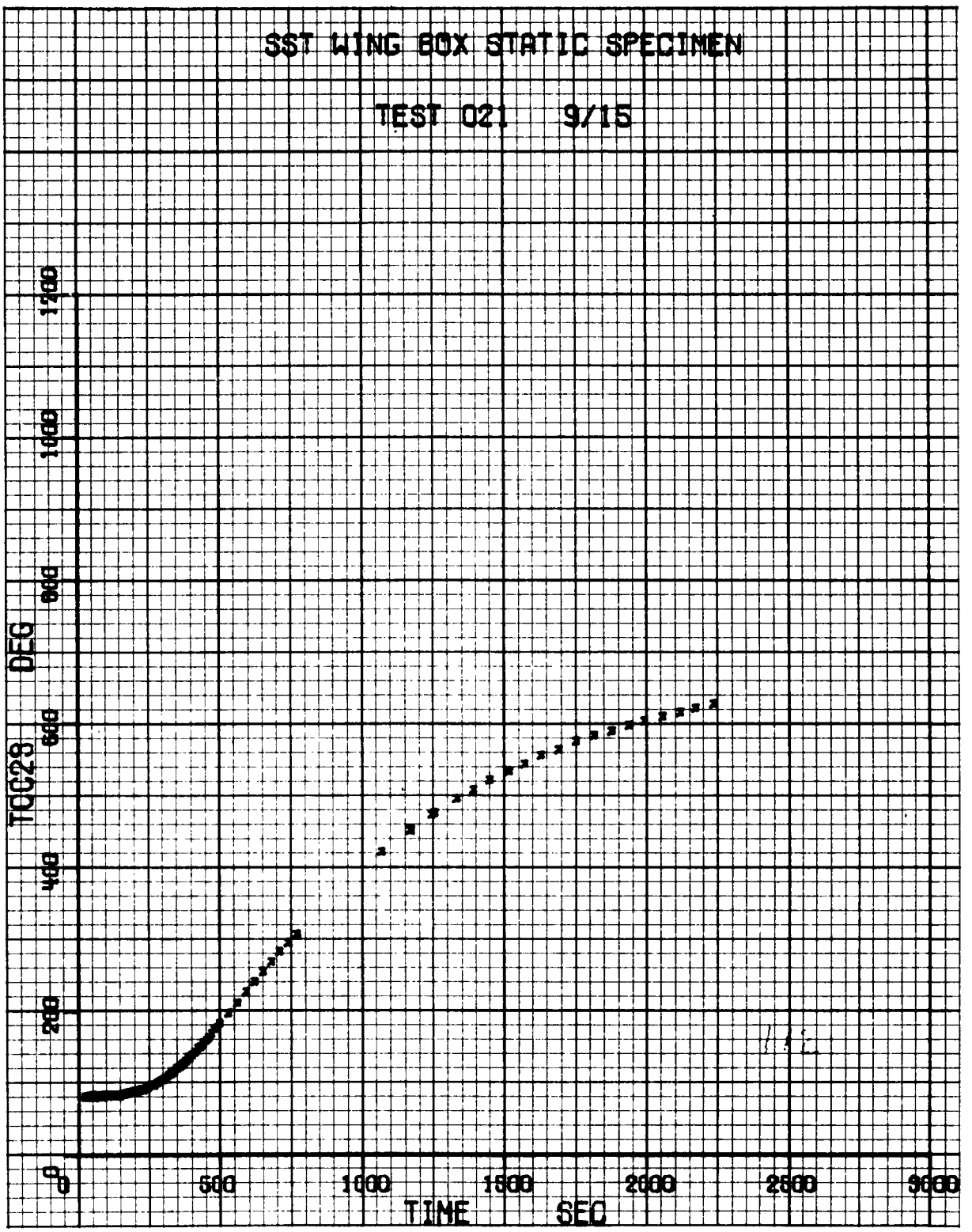
TIME SEC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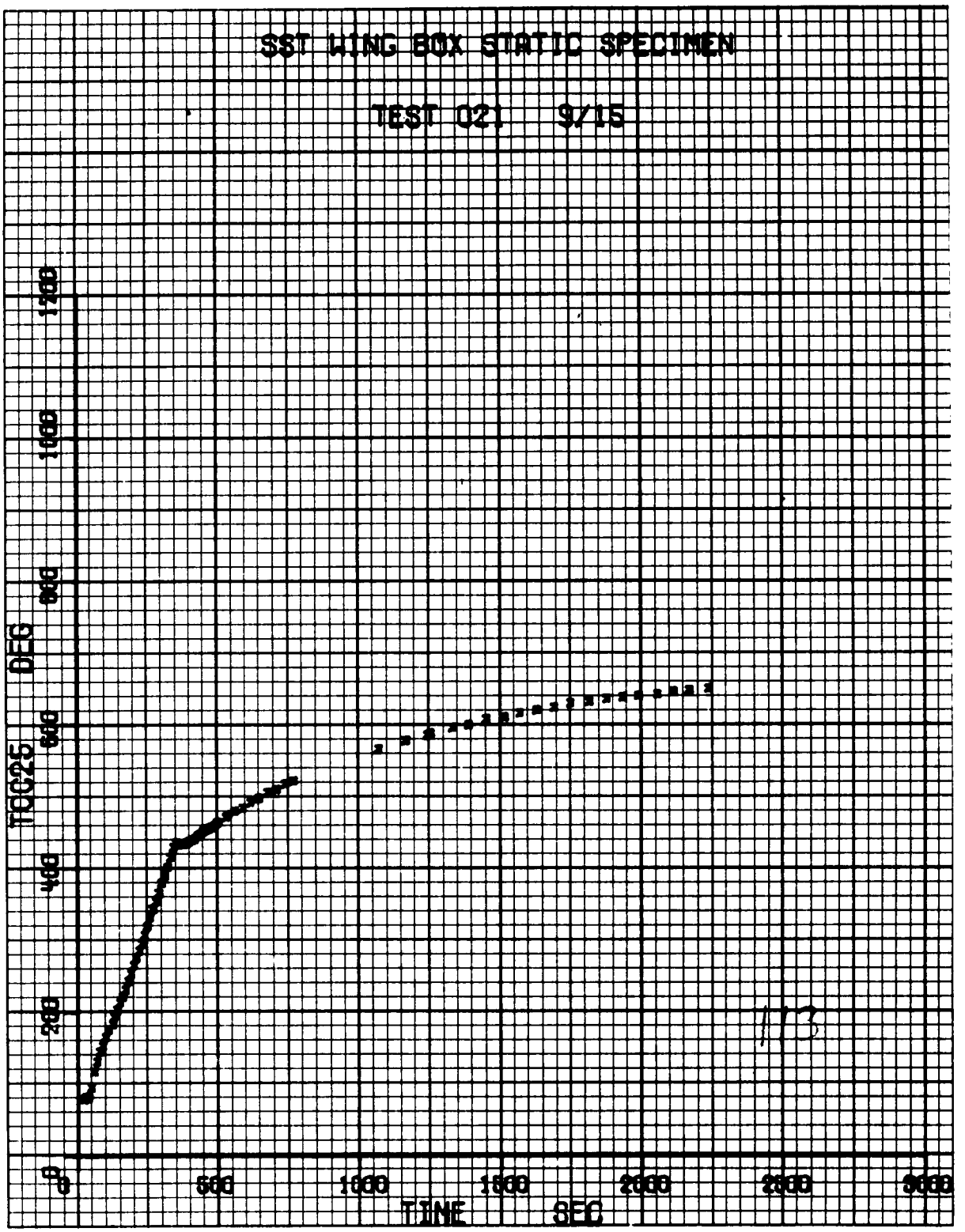
TIME SEC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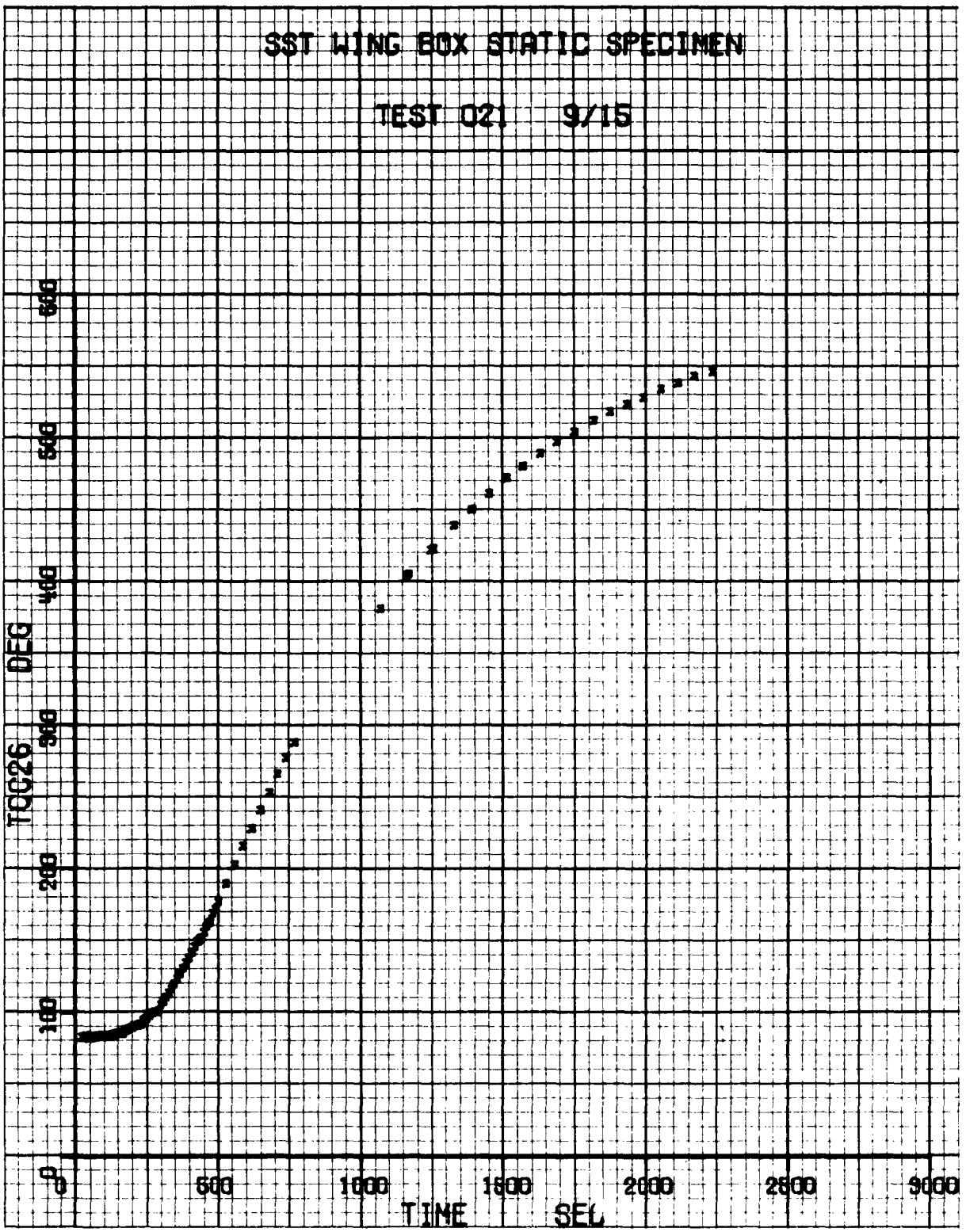
TIME SEC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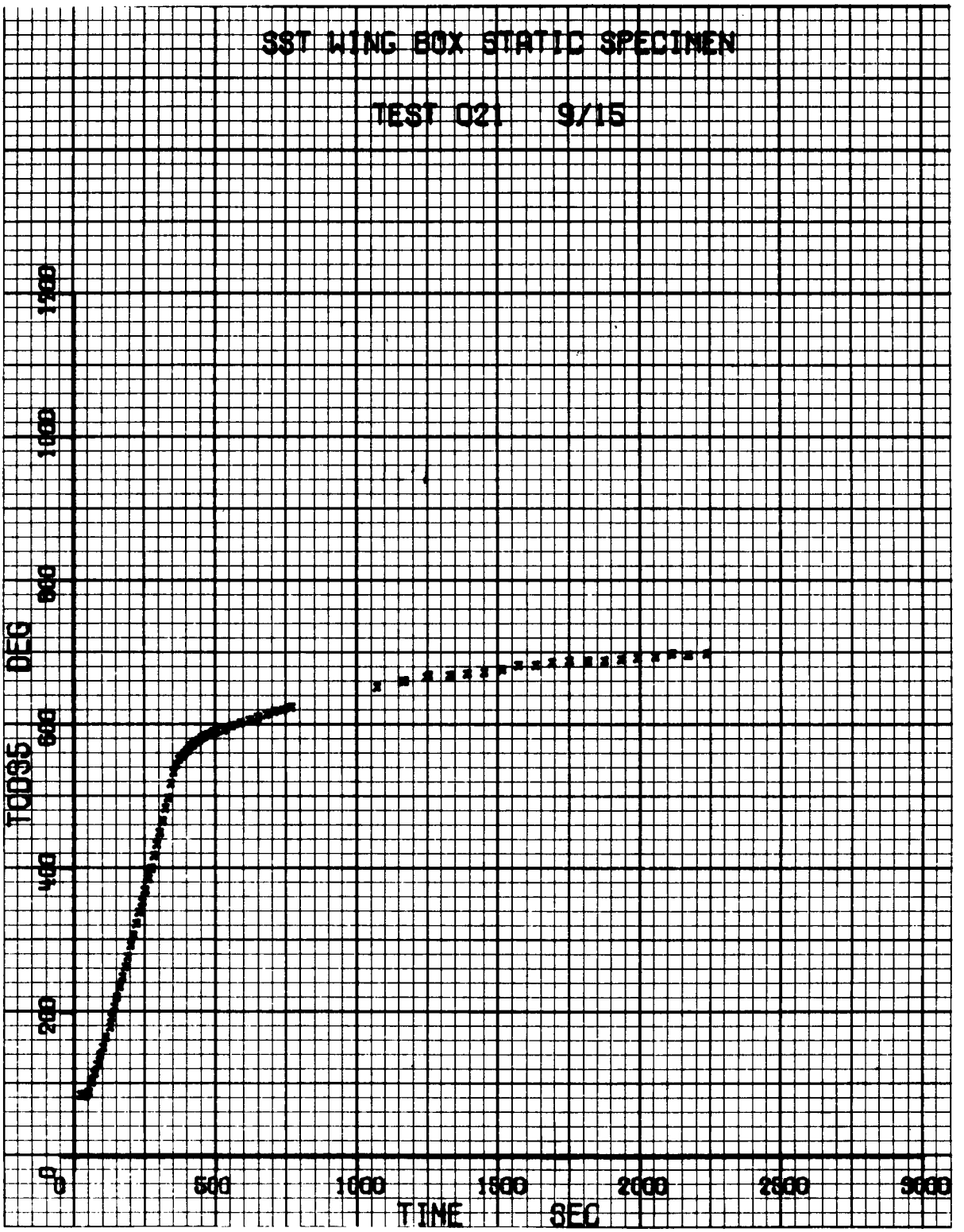
TIME SEC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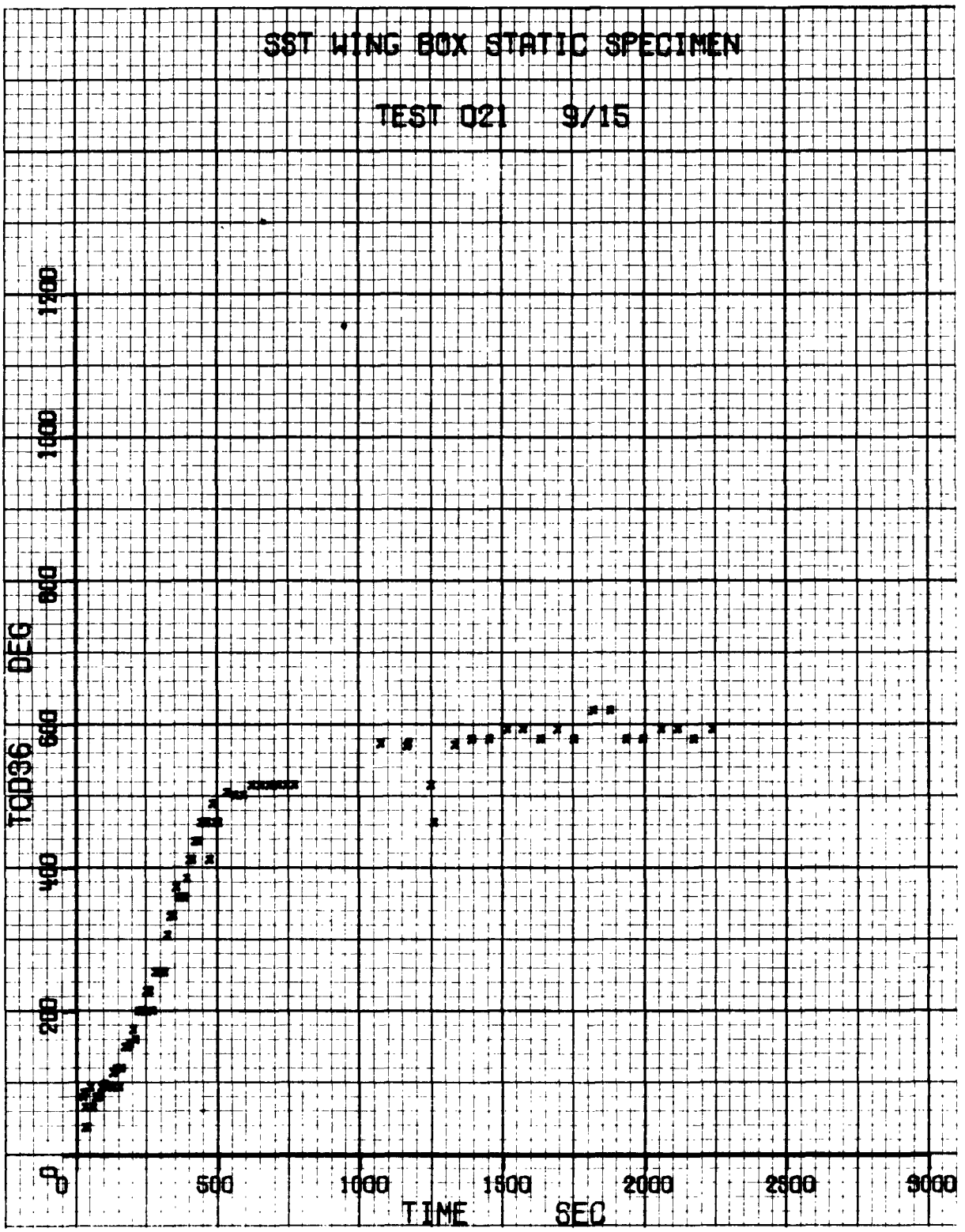
TIME SEC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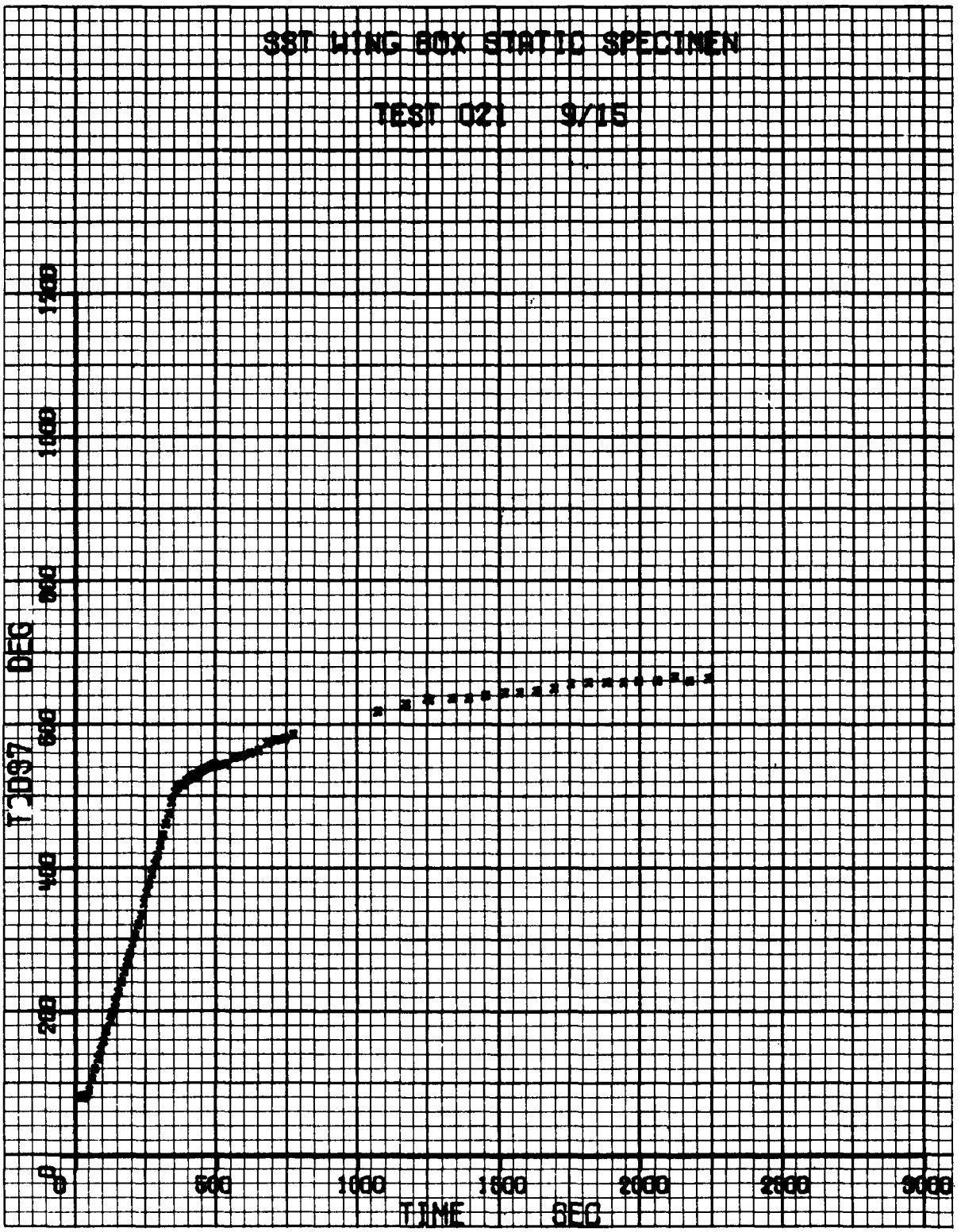
TIME SEC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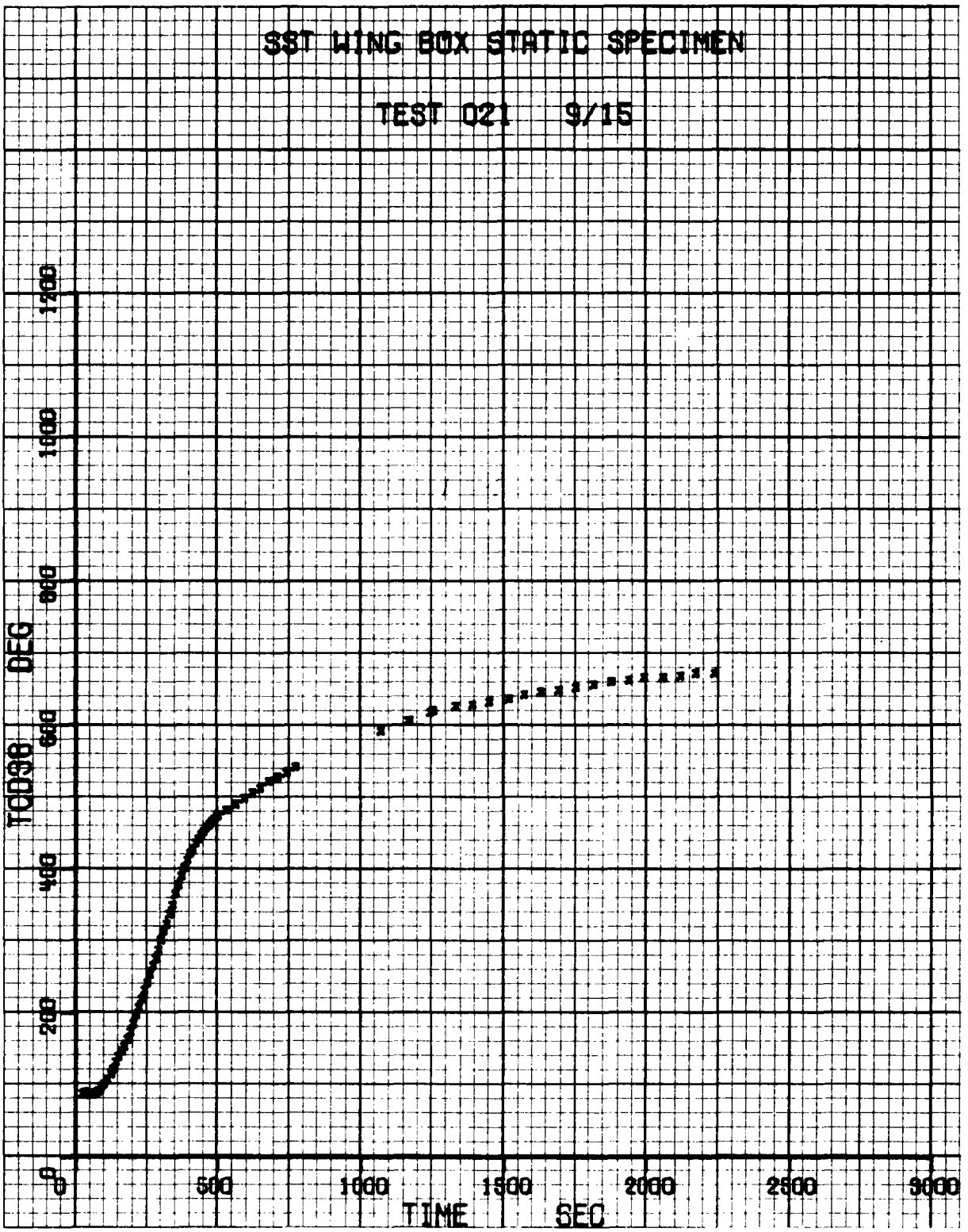
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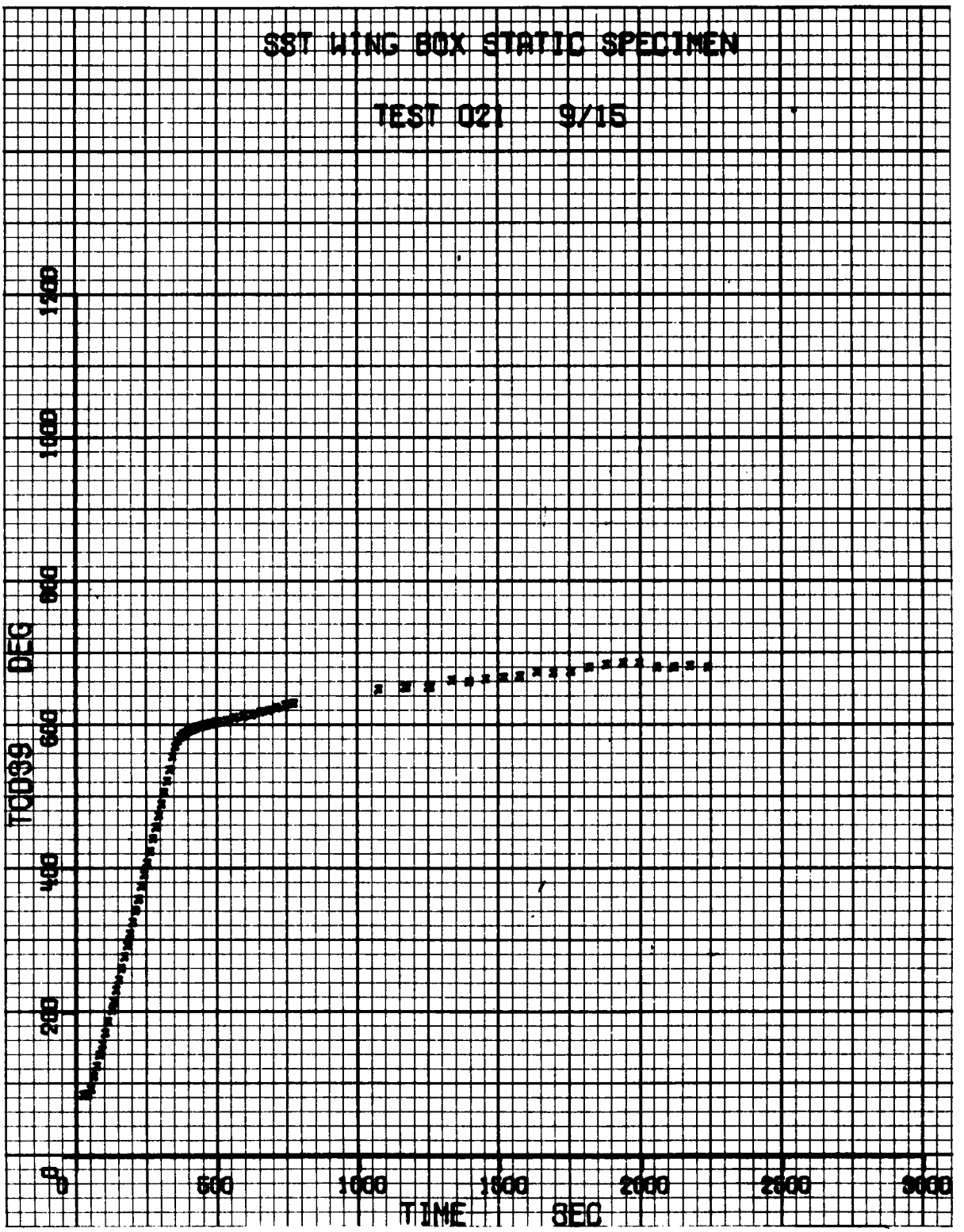
TIME SEC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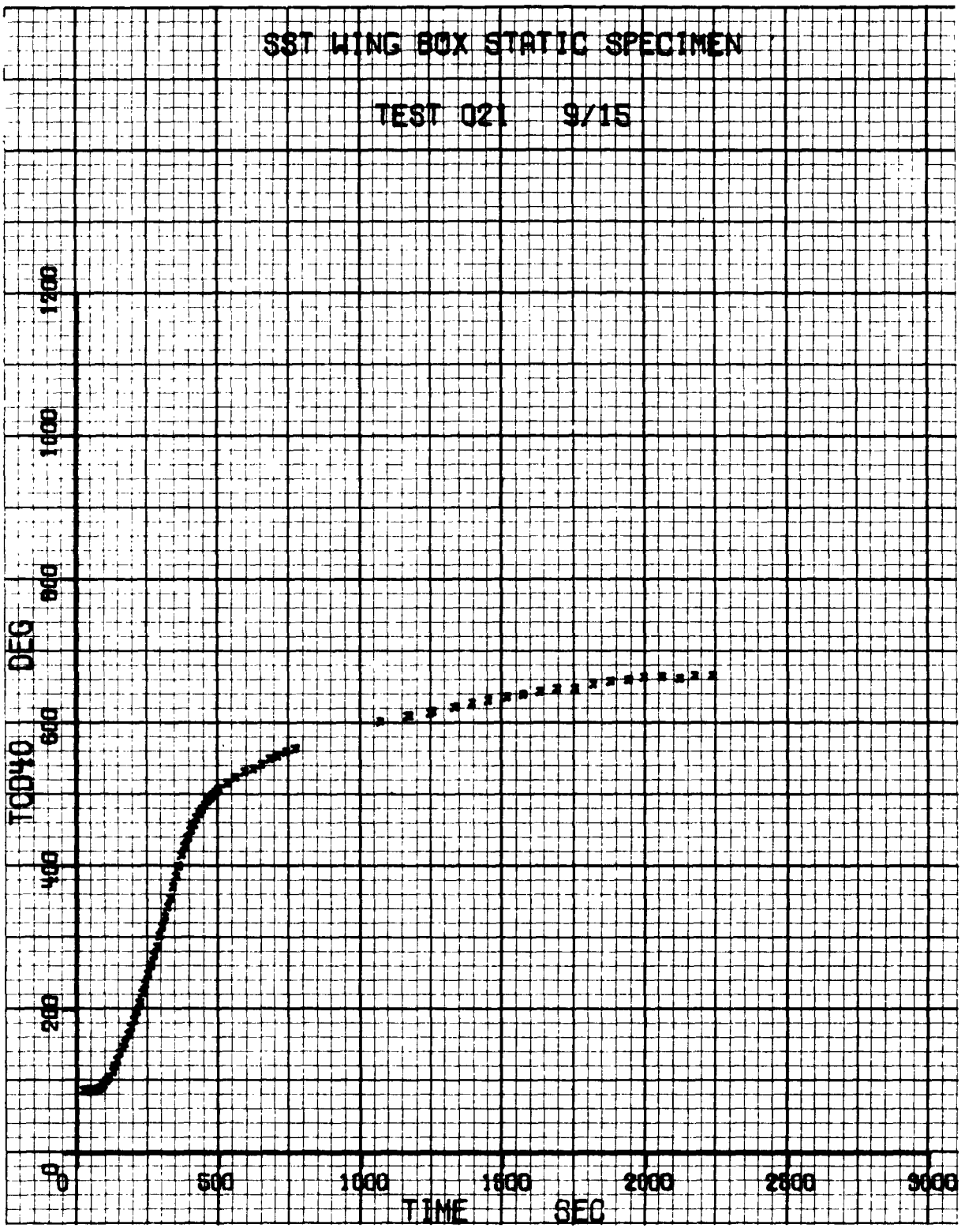
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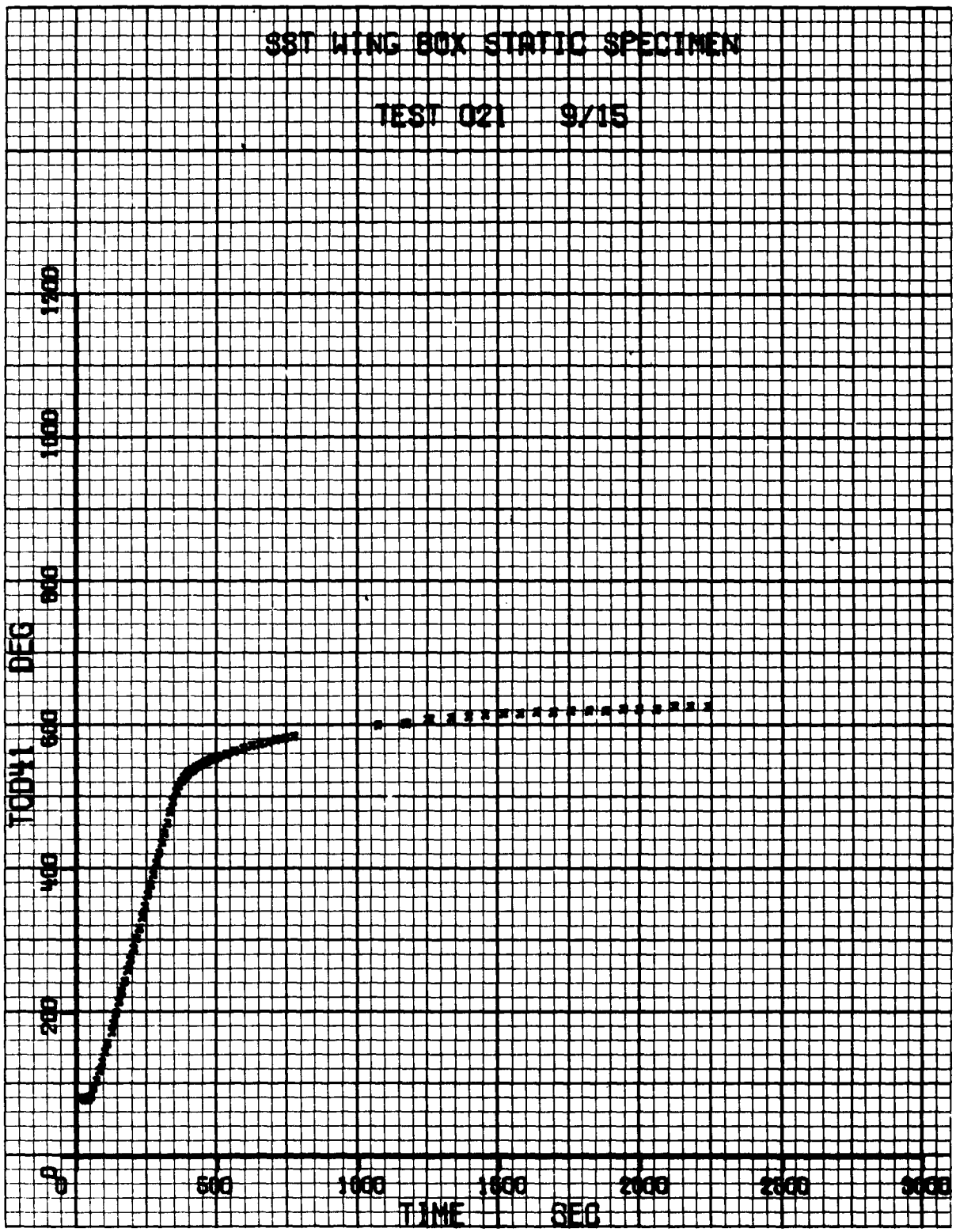
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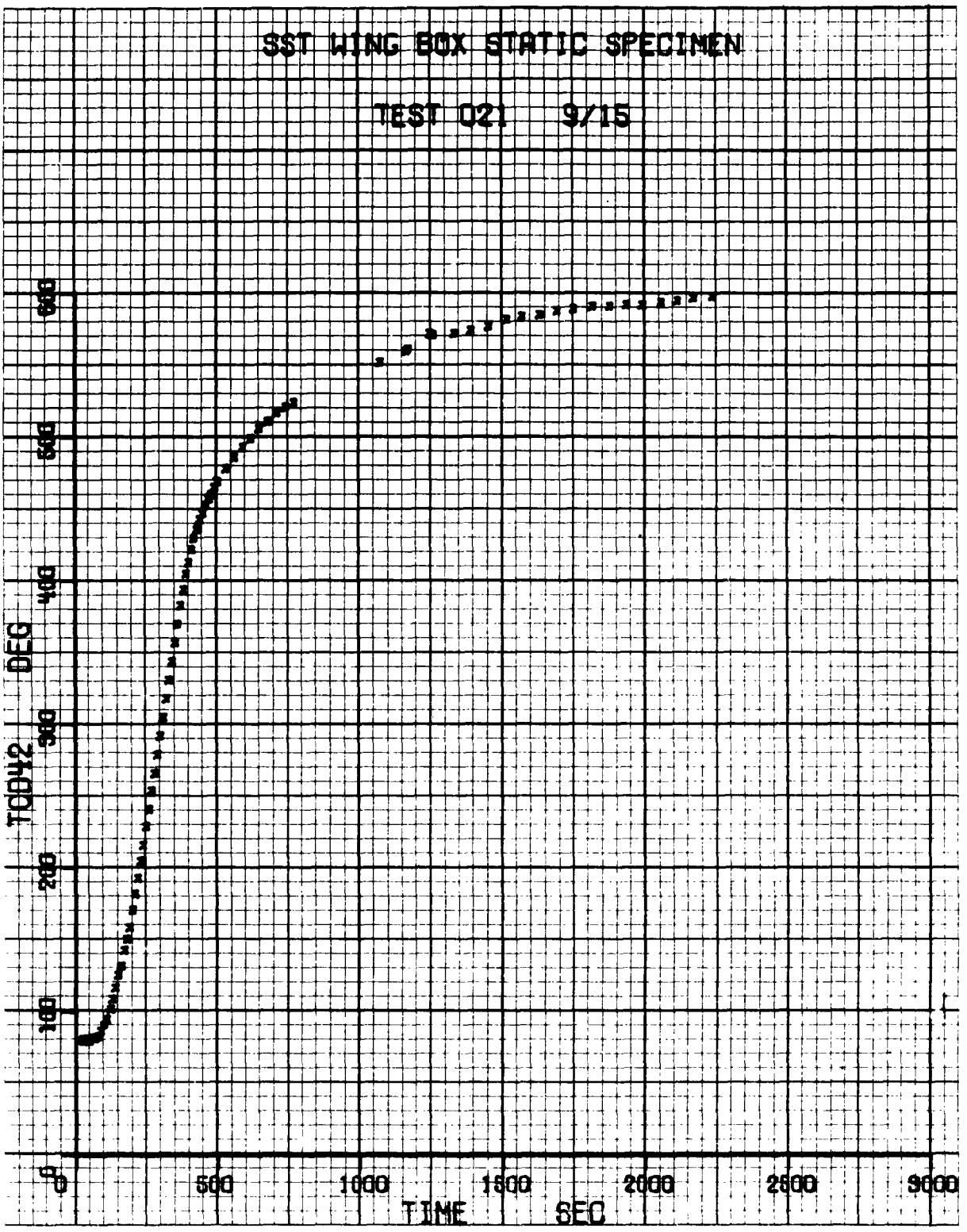
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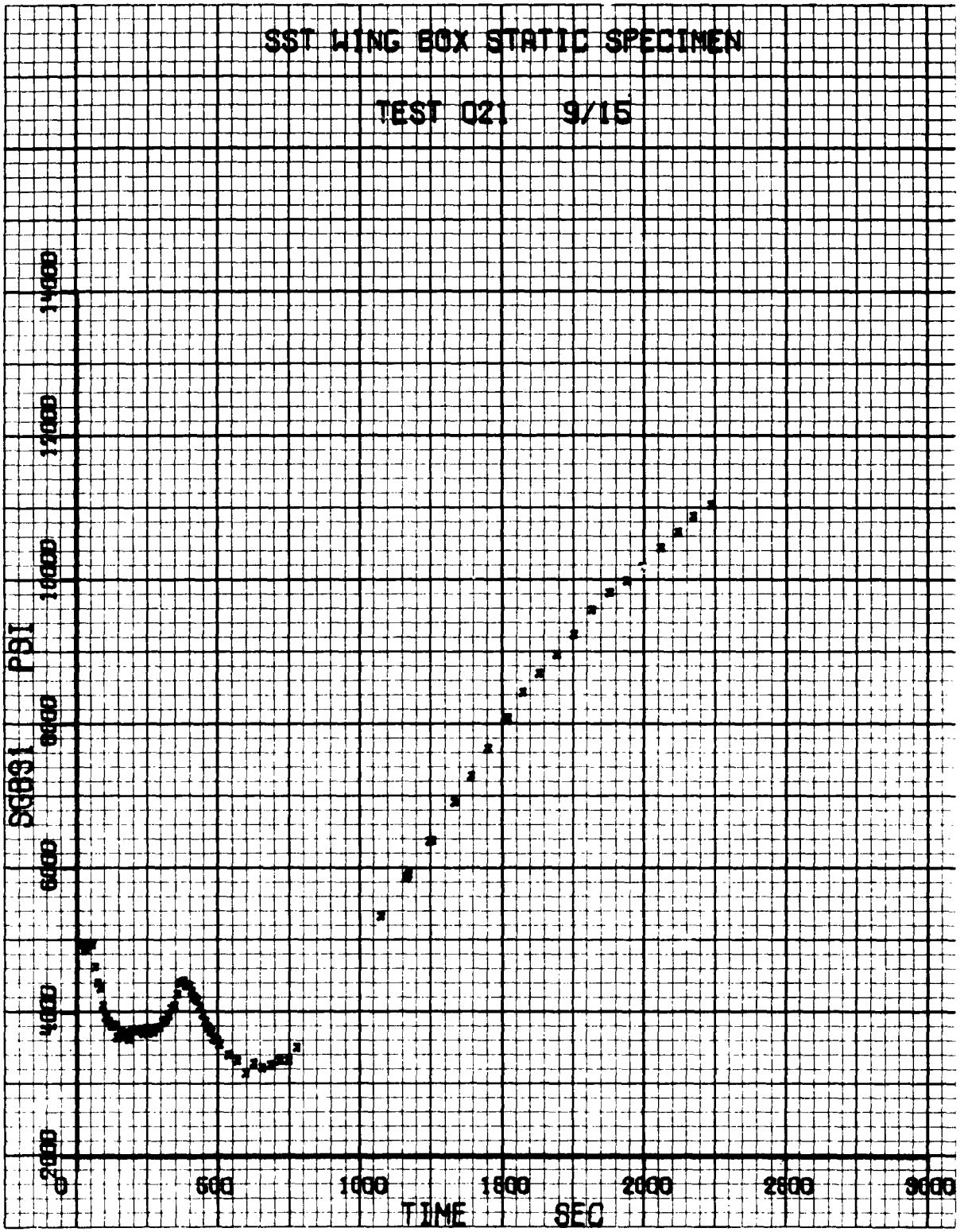
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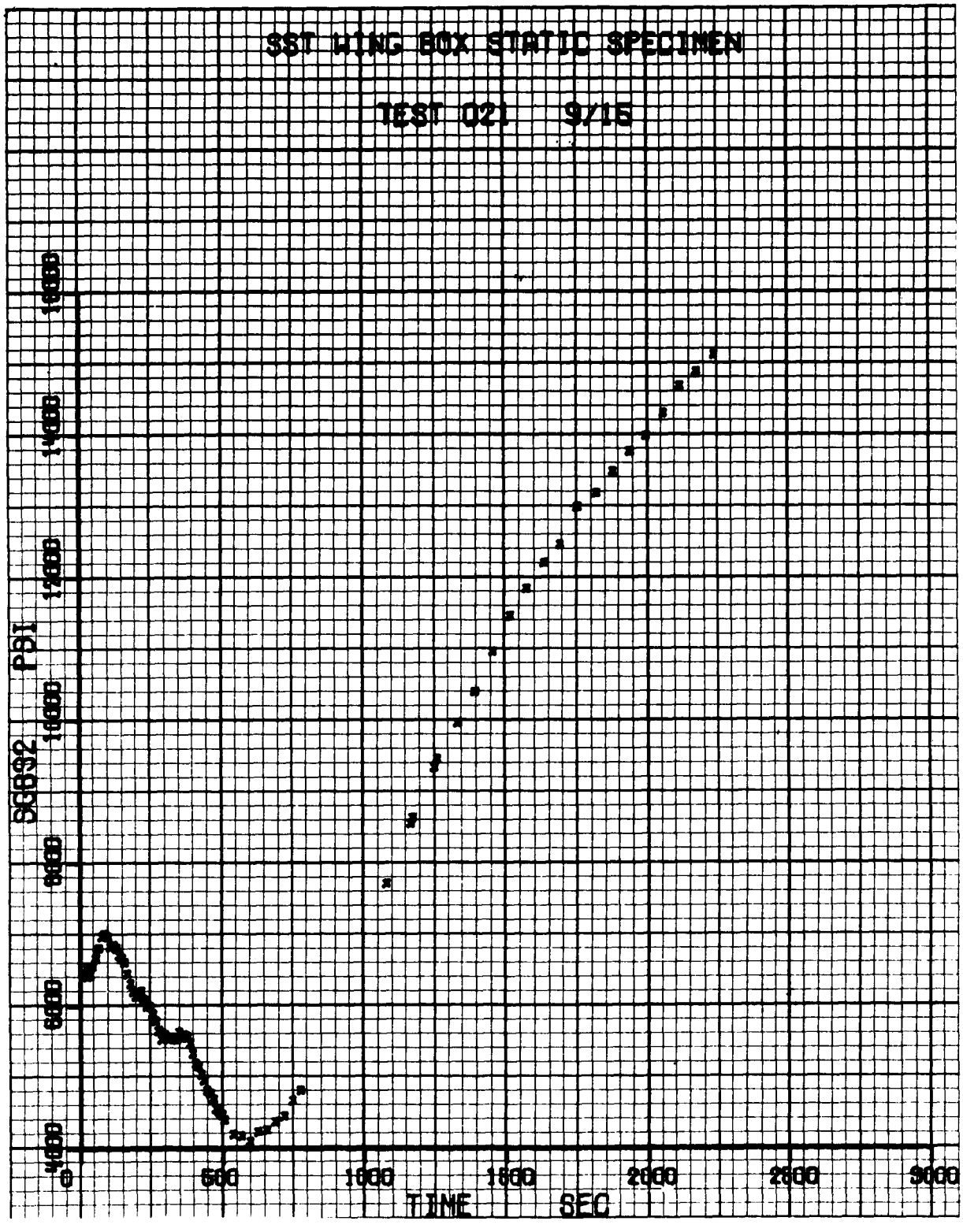
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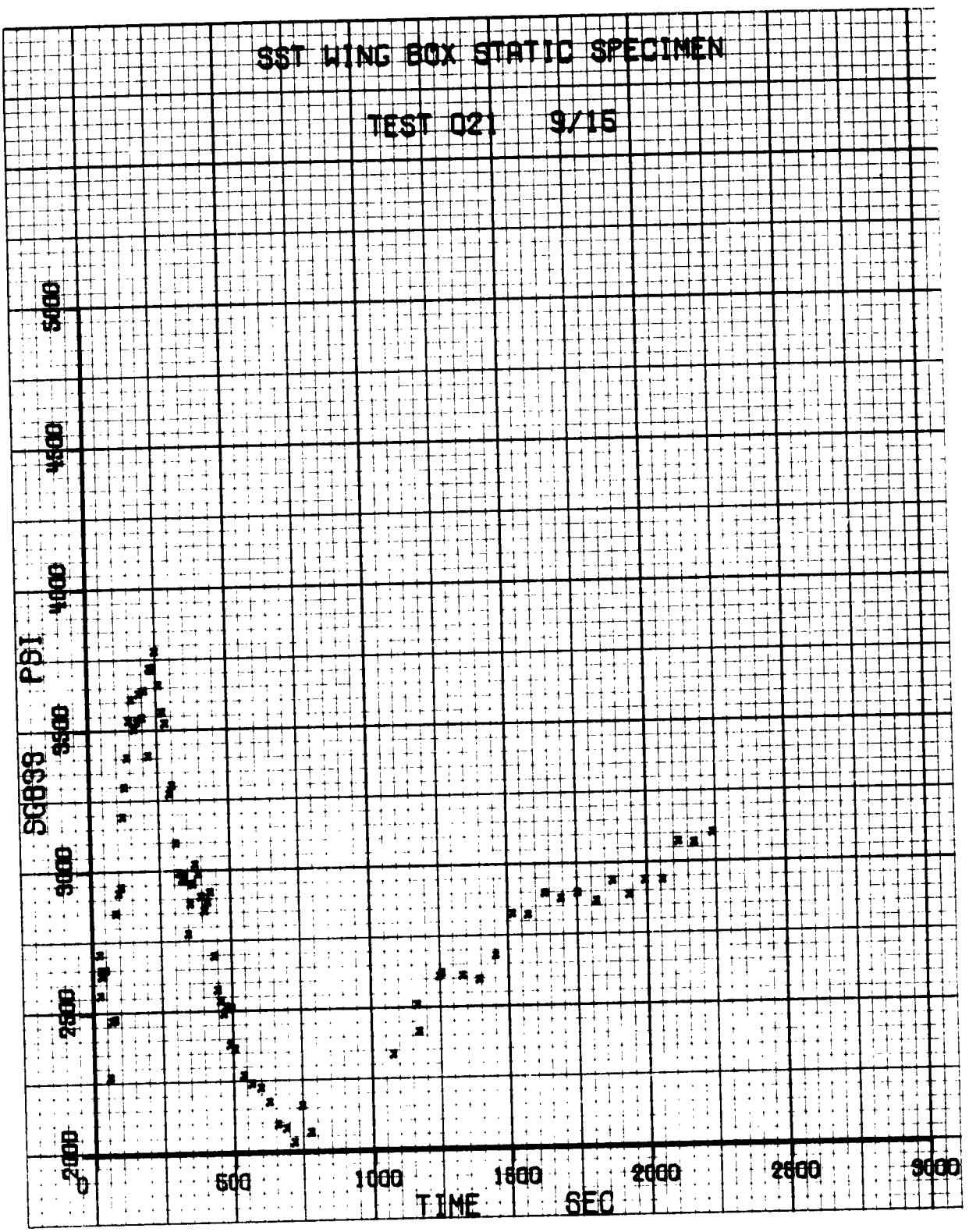
SST WING BOX STATIC SPECIMEN
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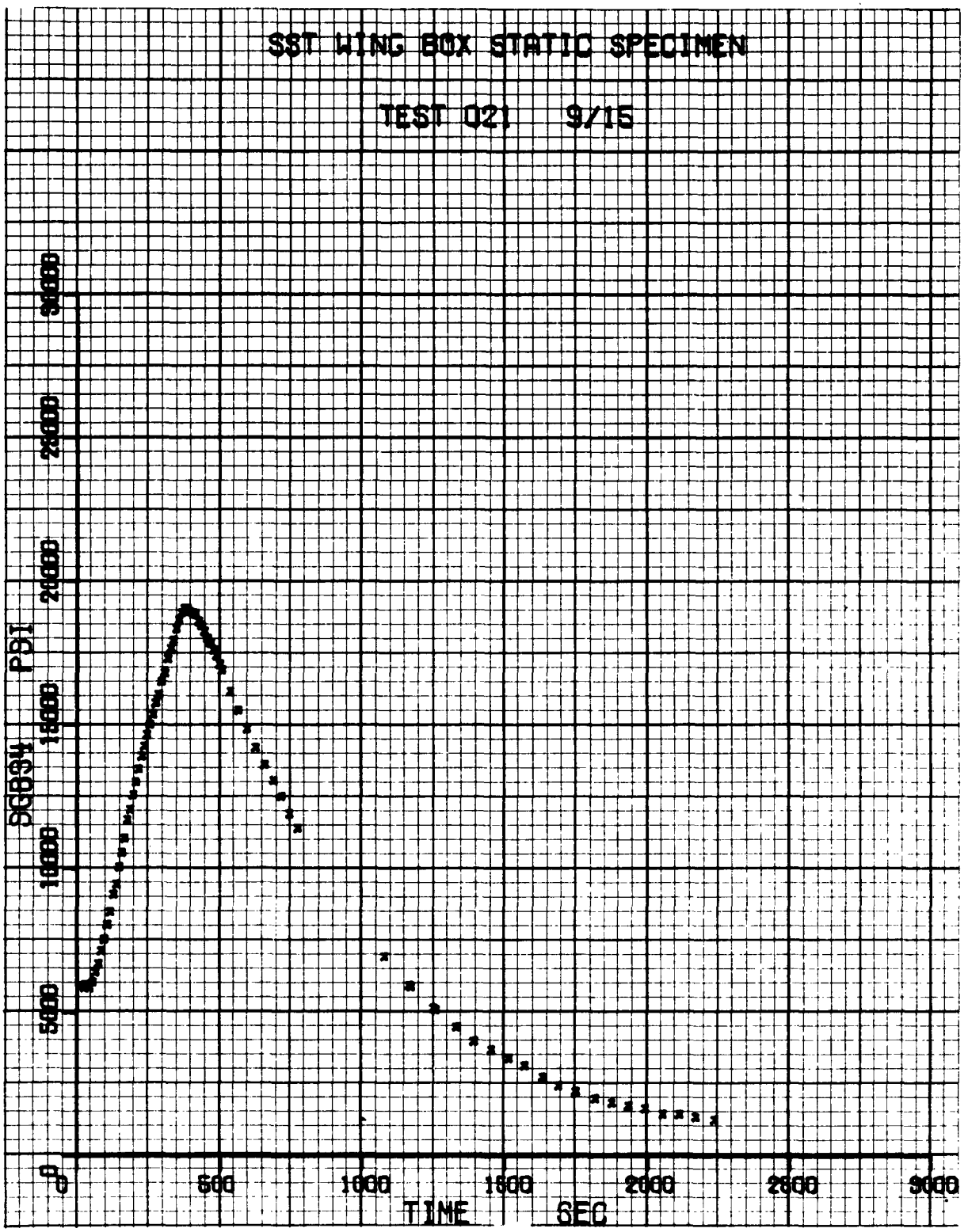
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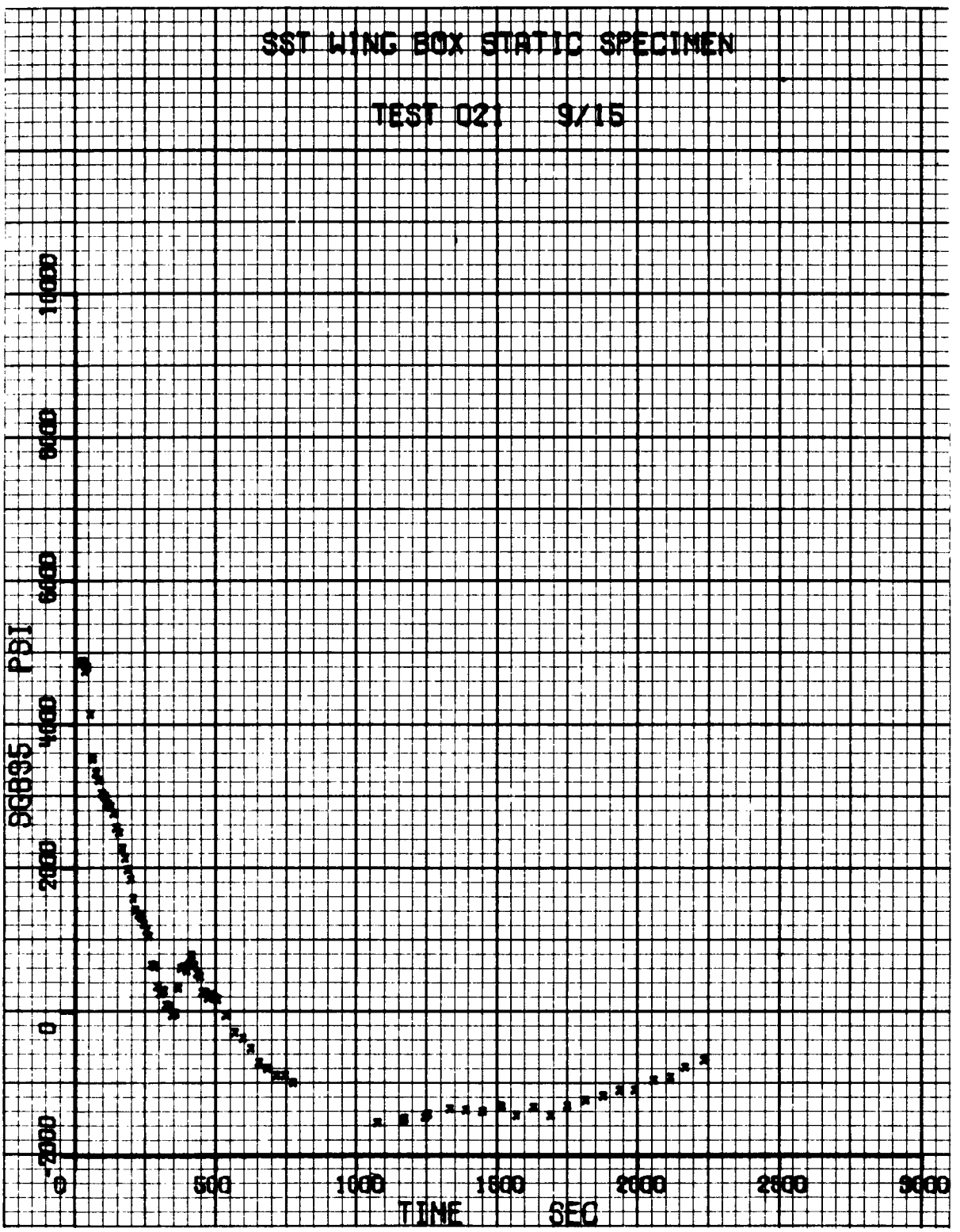
TIME SEC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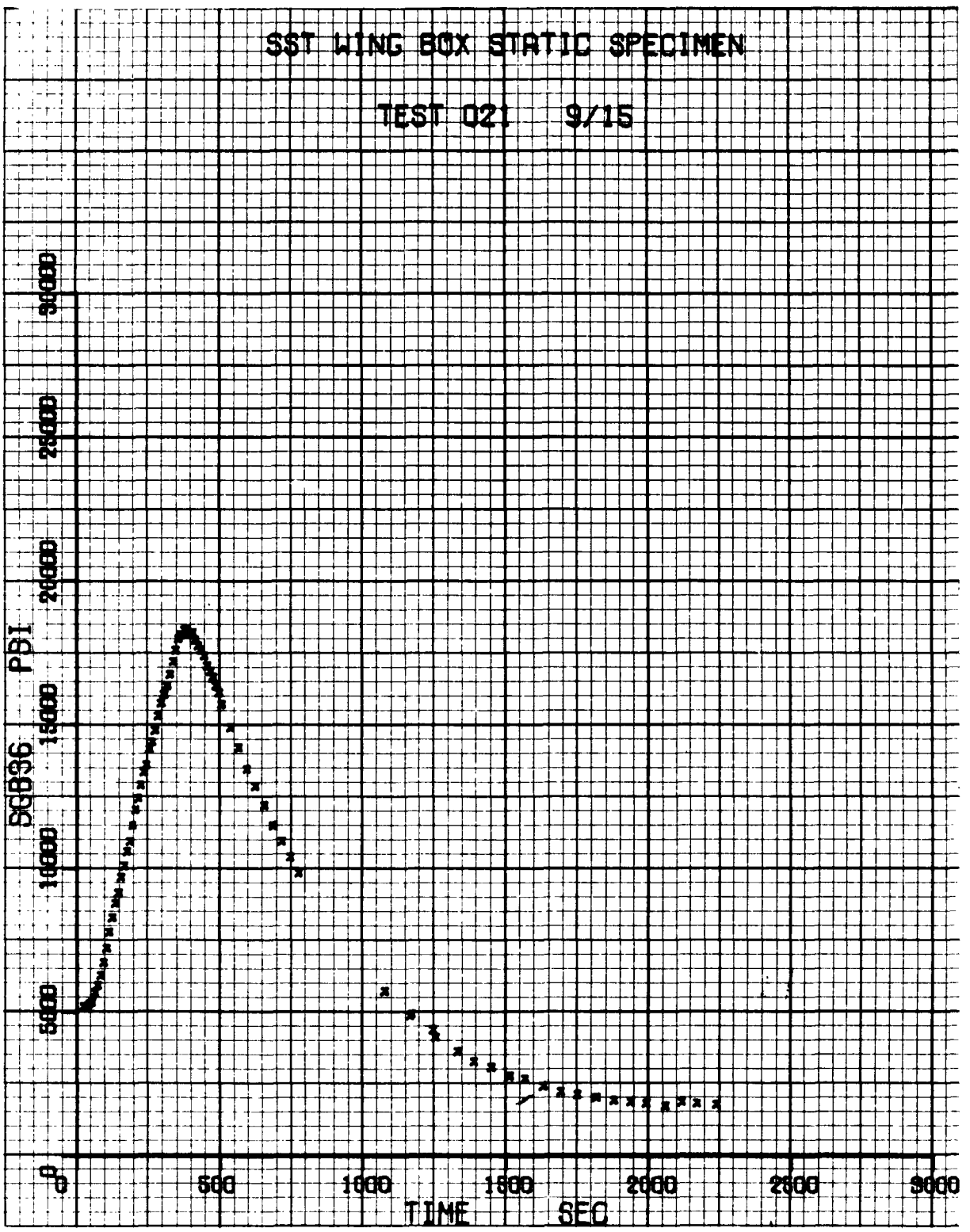
TIME SEC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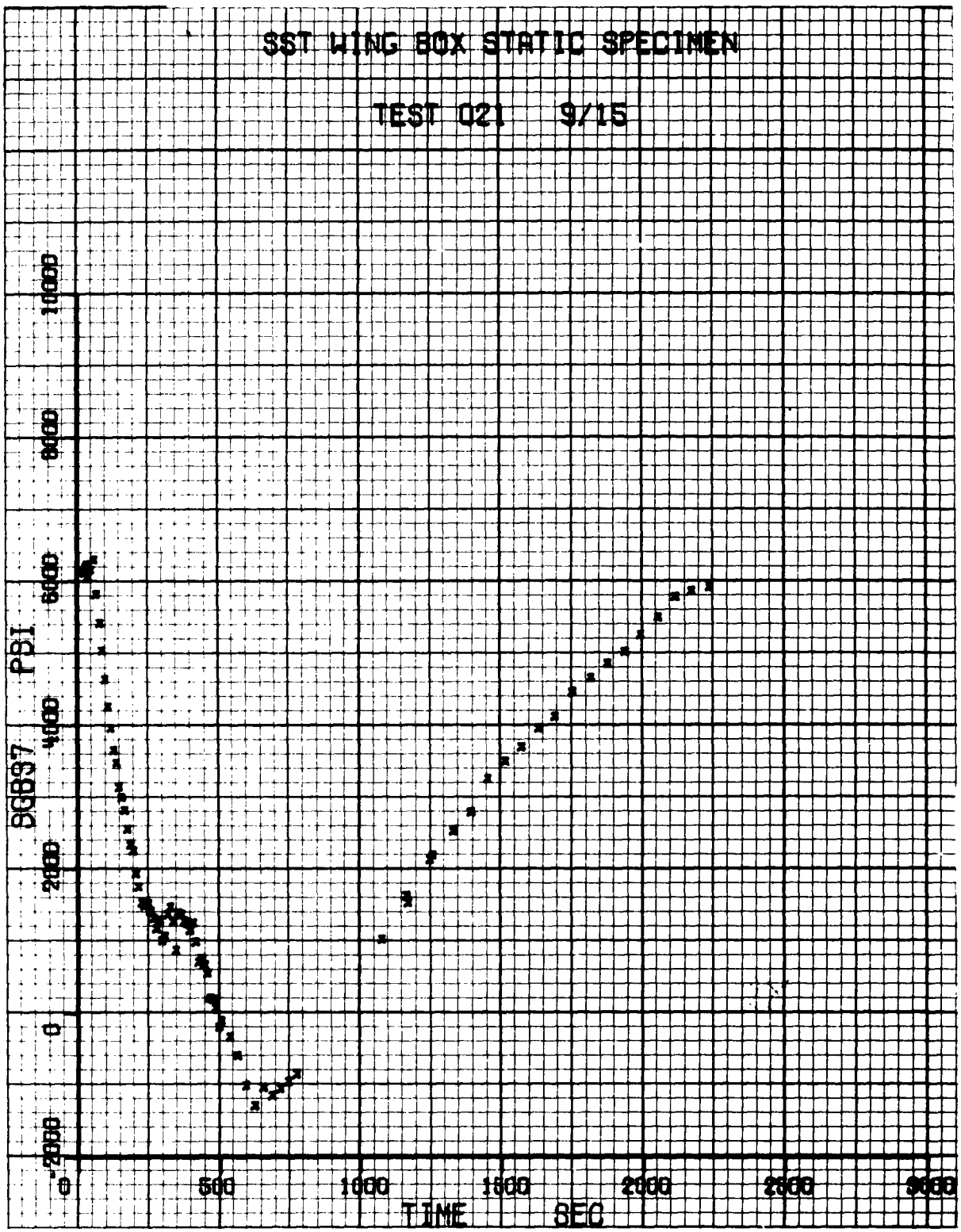
SST WING BOX STATIC SPECIMEN
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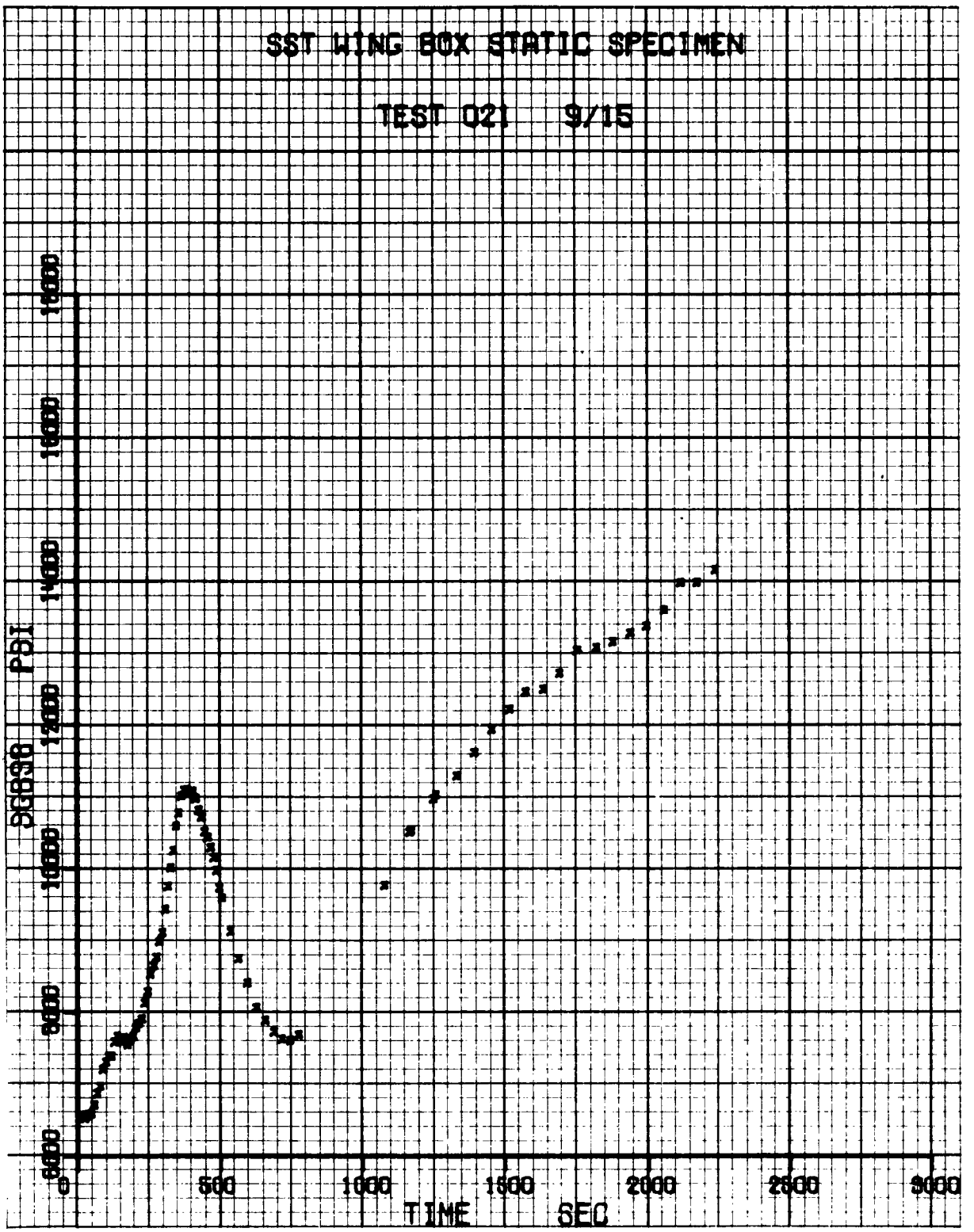
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SEC
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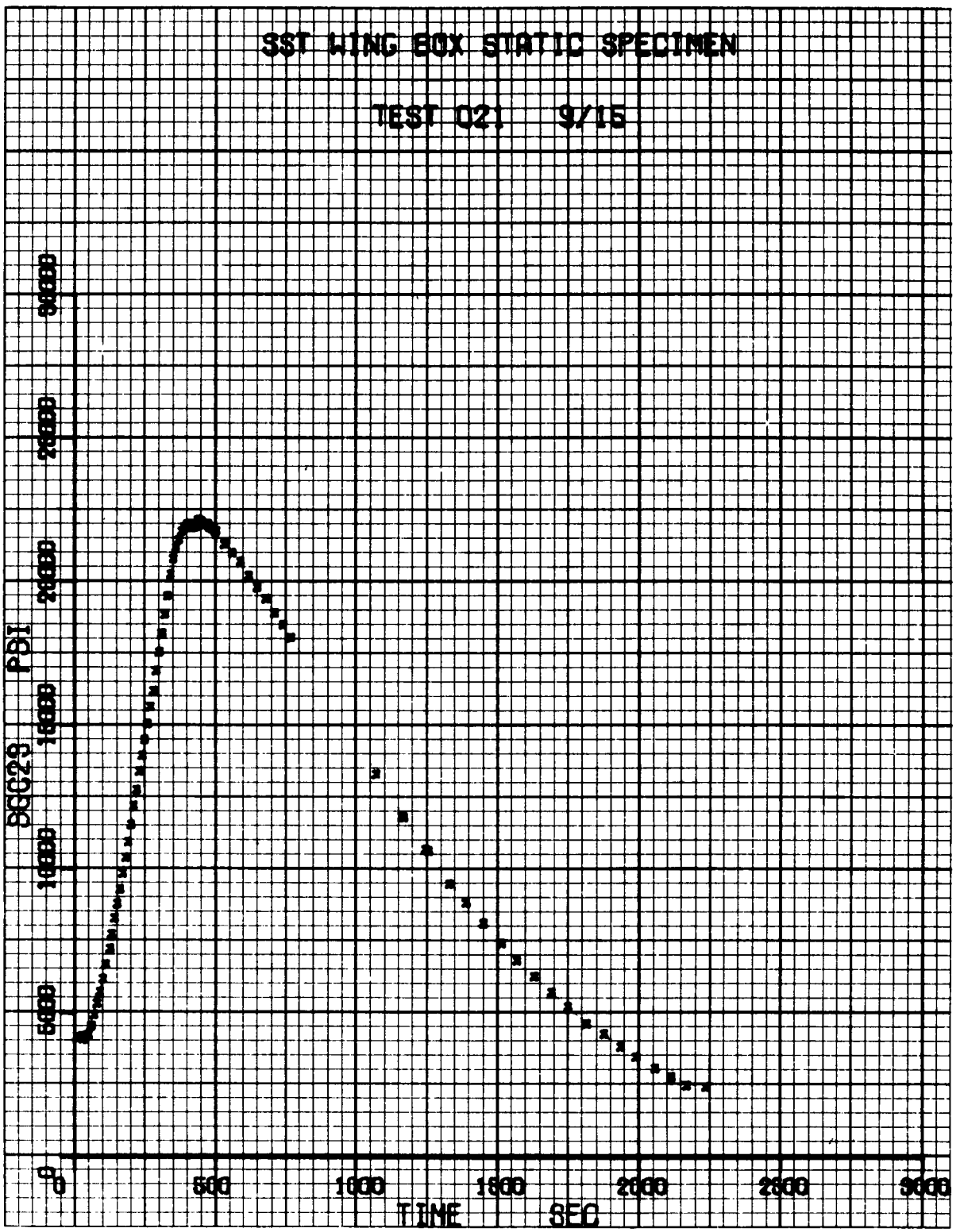
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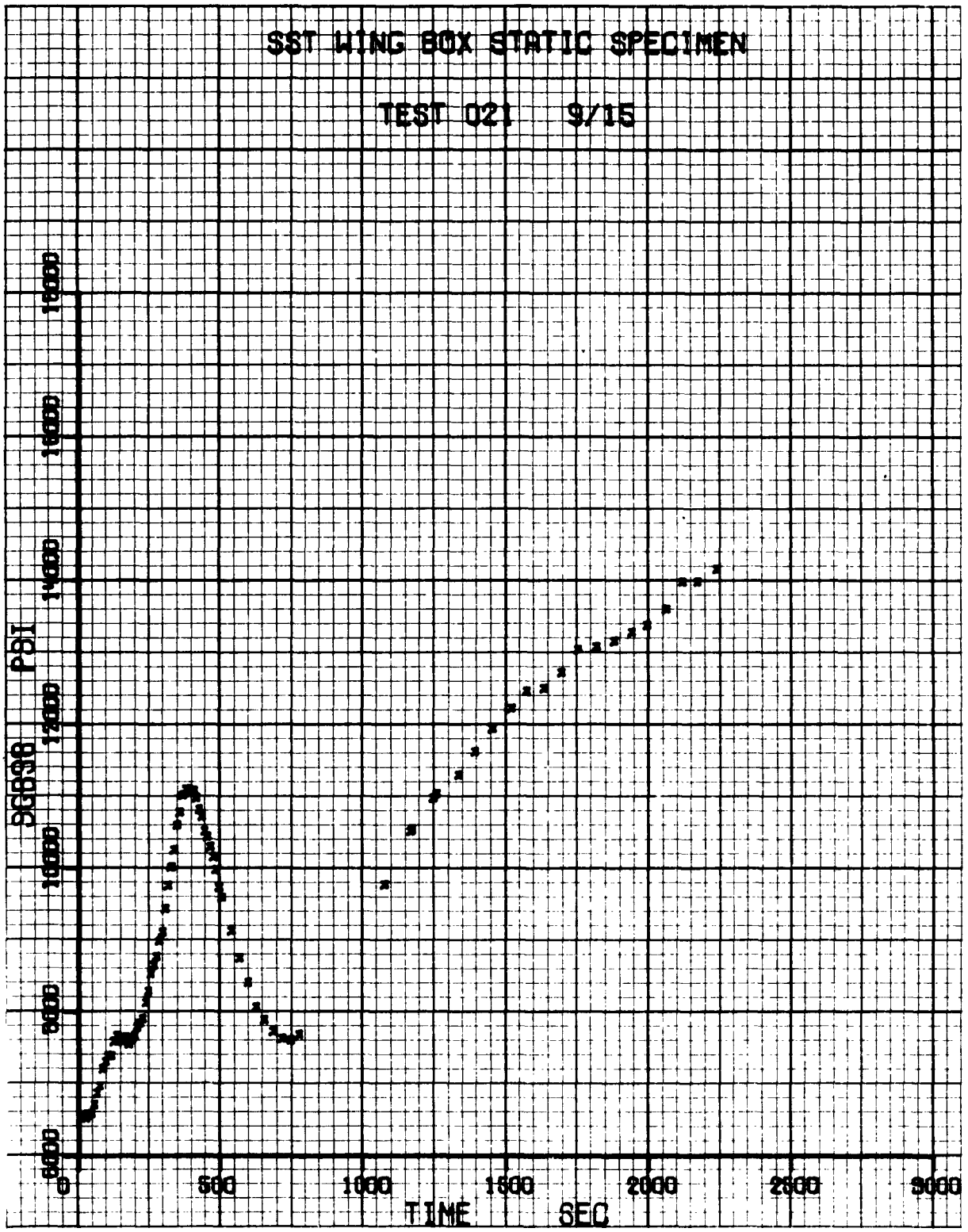
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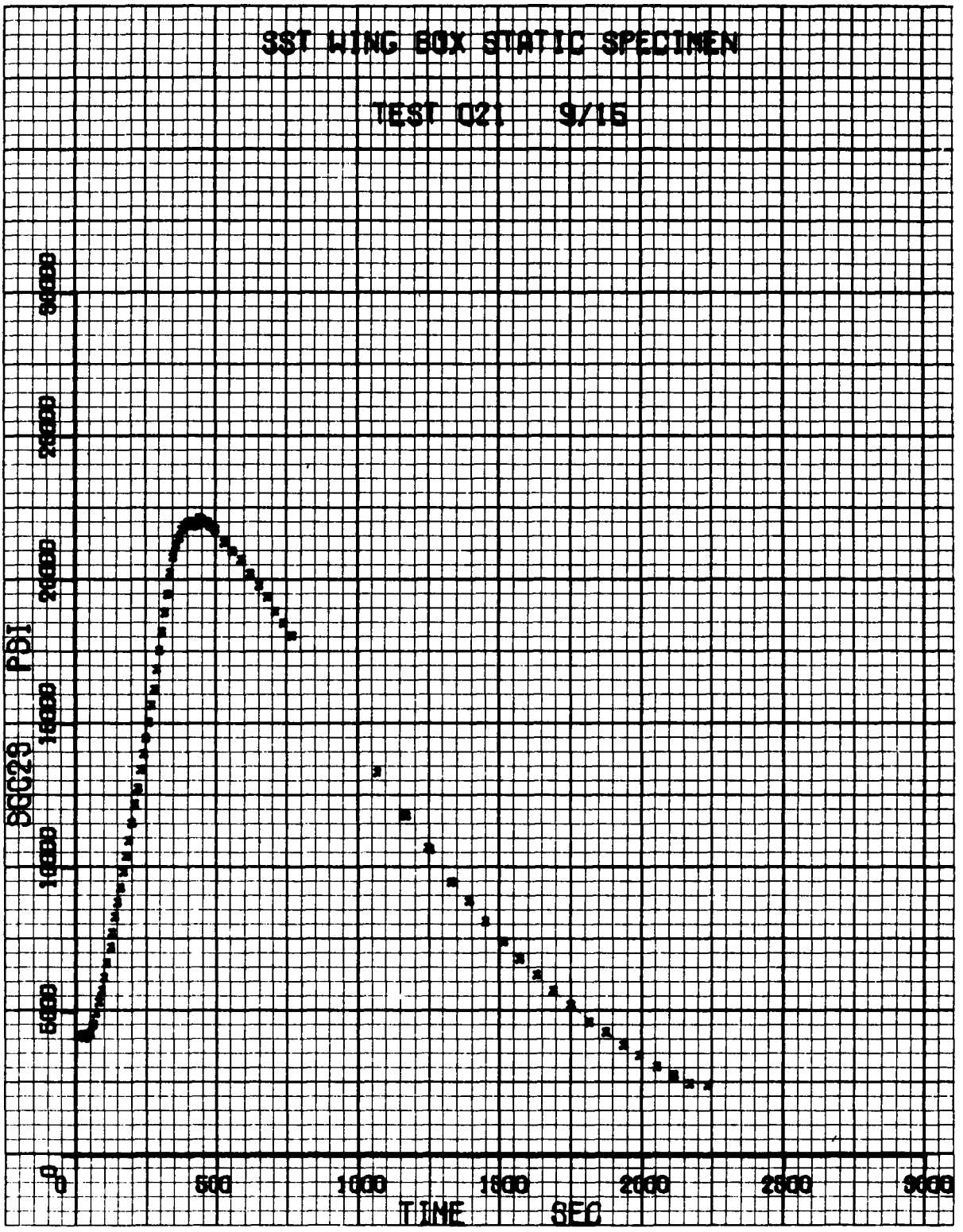
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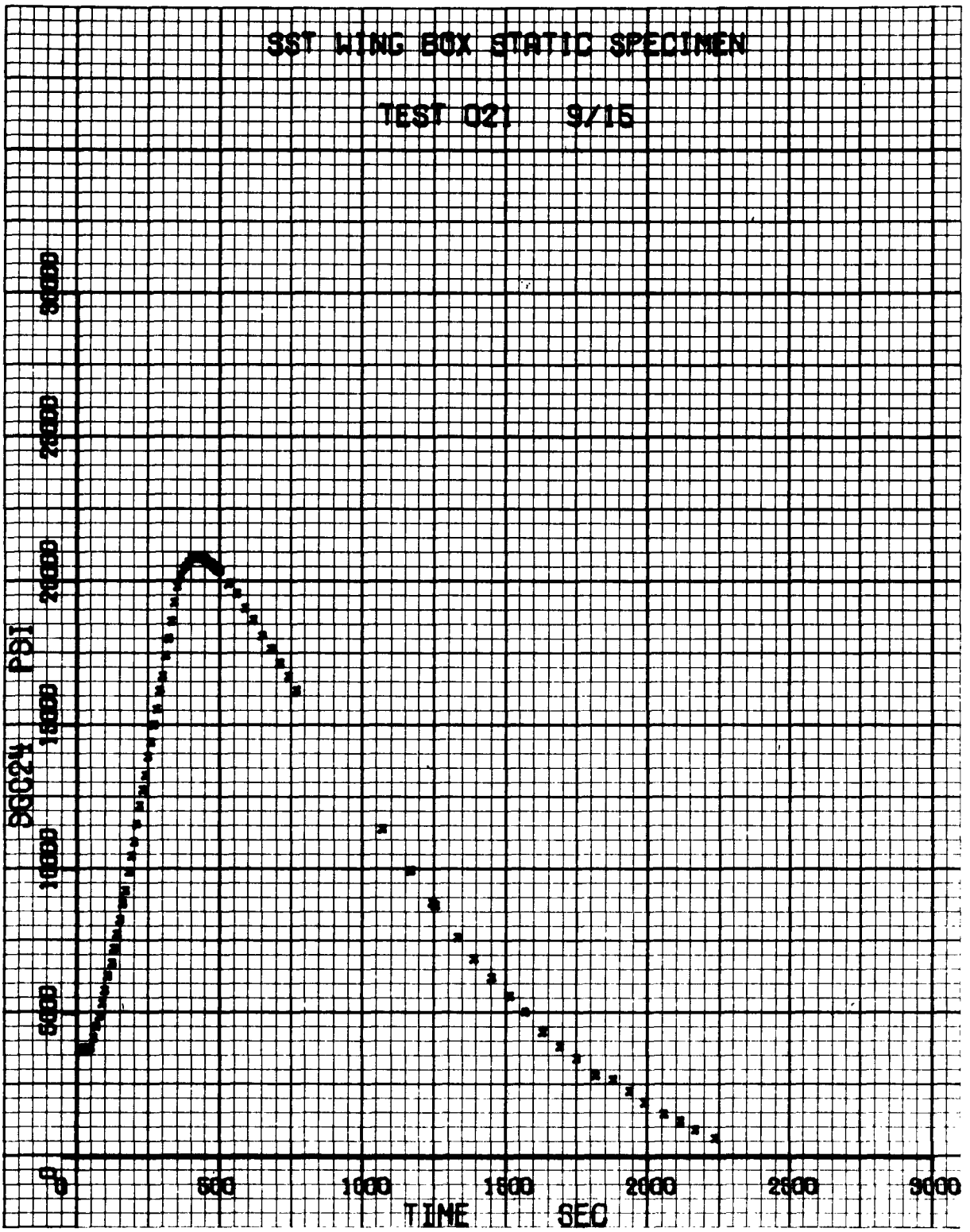
TIME SEC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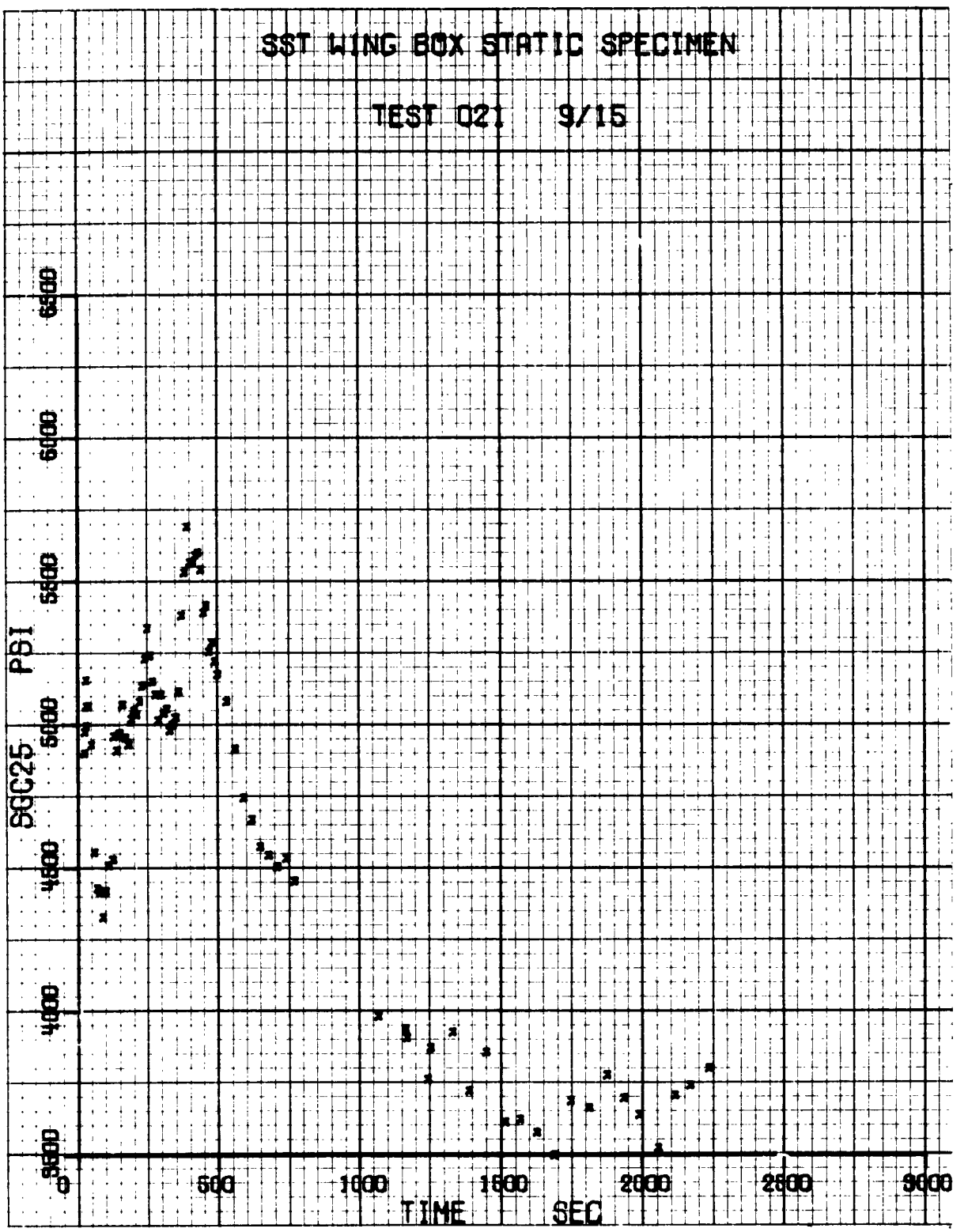
TIME SEC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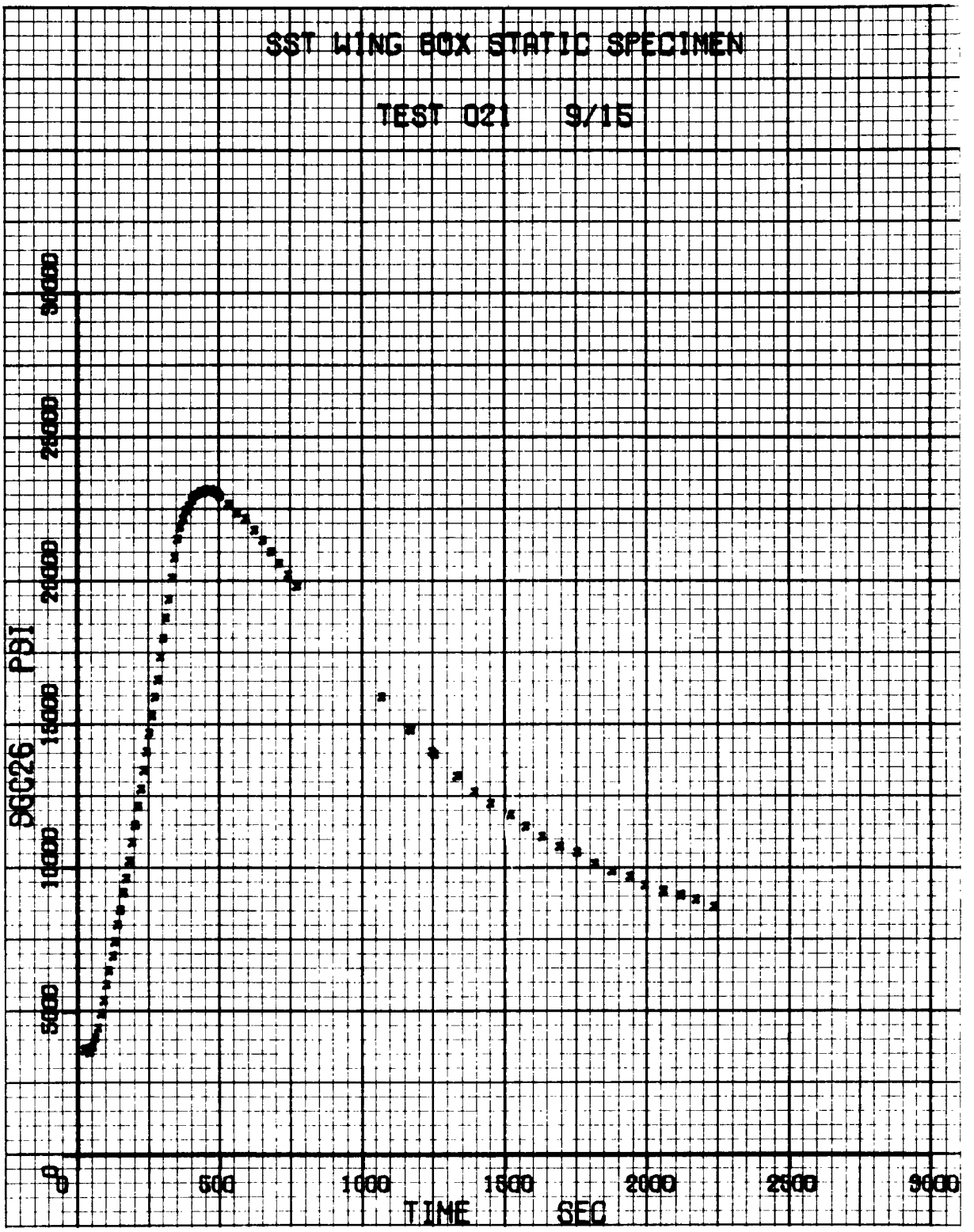
TIME SEC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TEST 021 9/15
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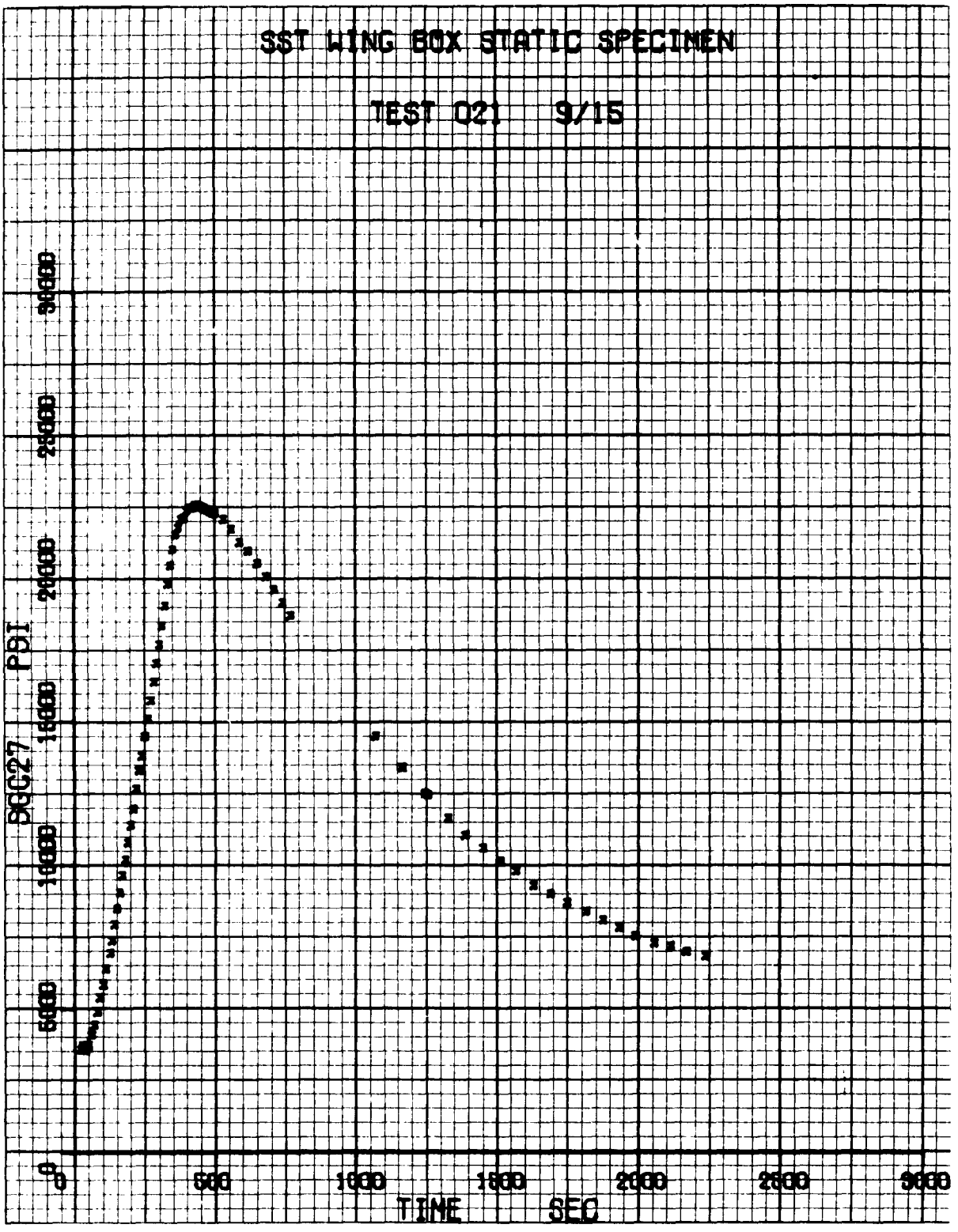
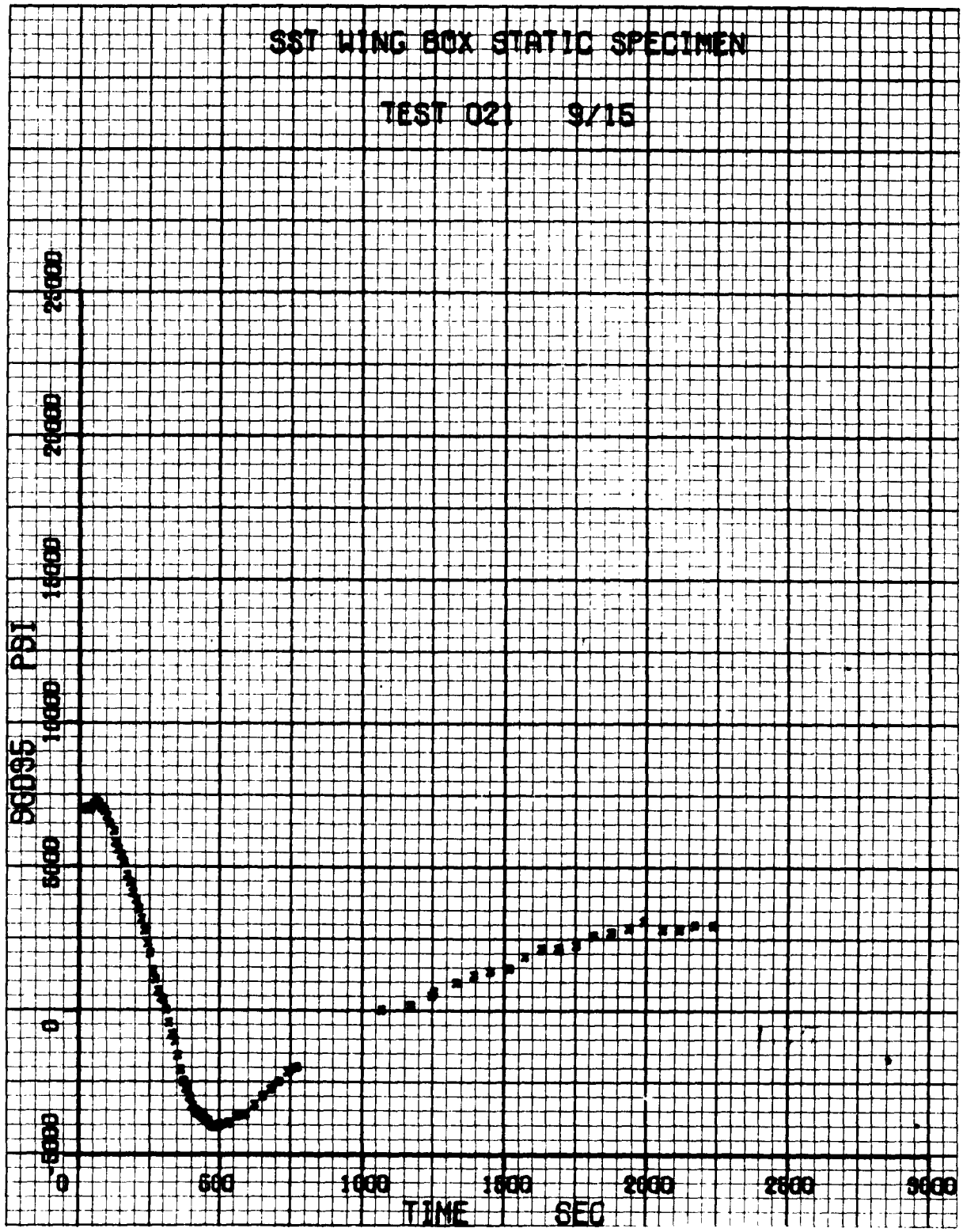
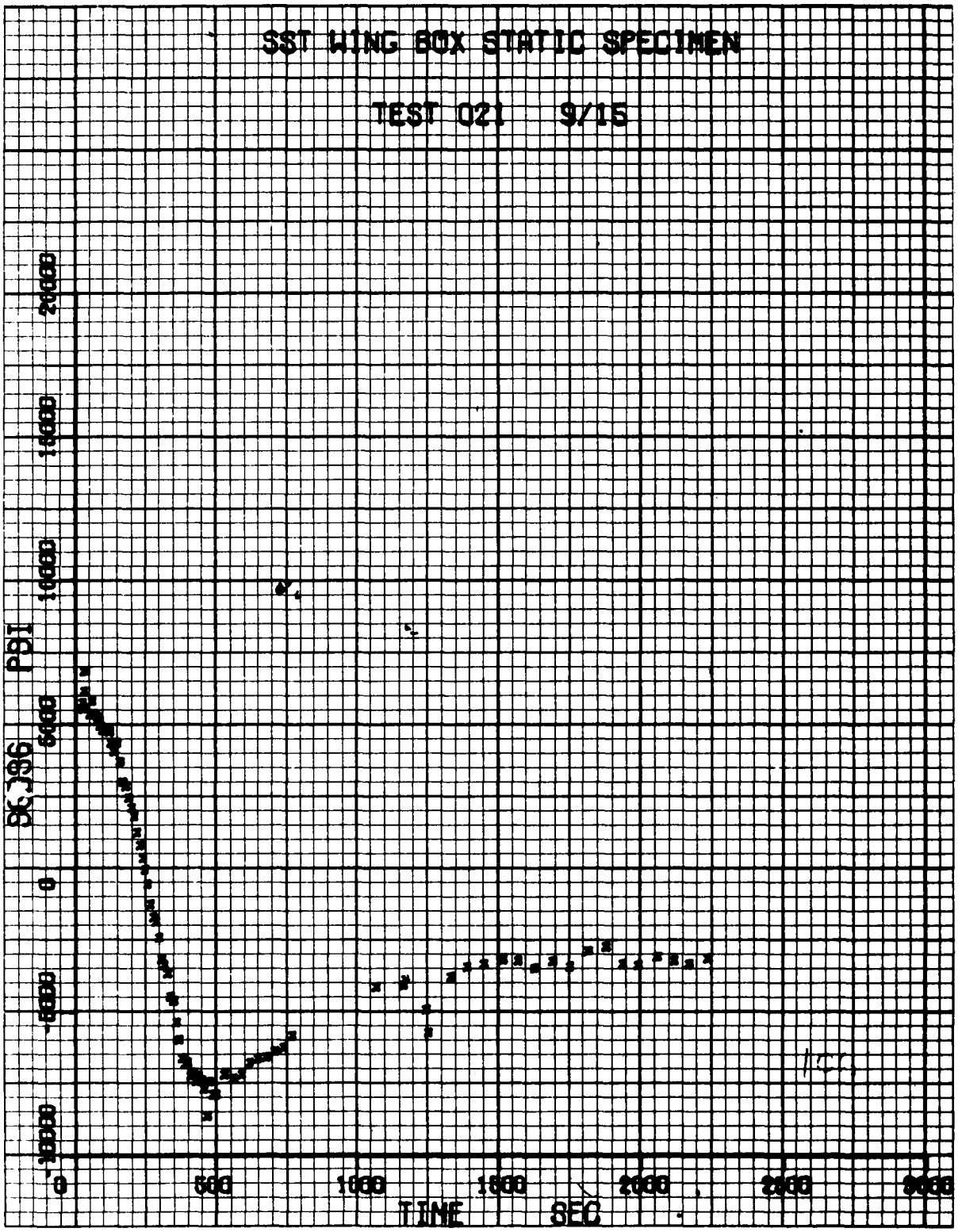
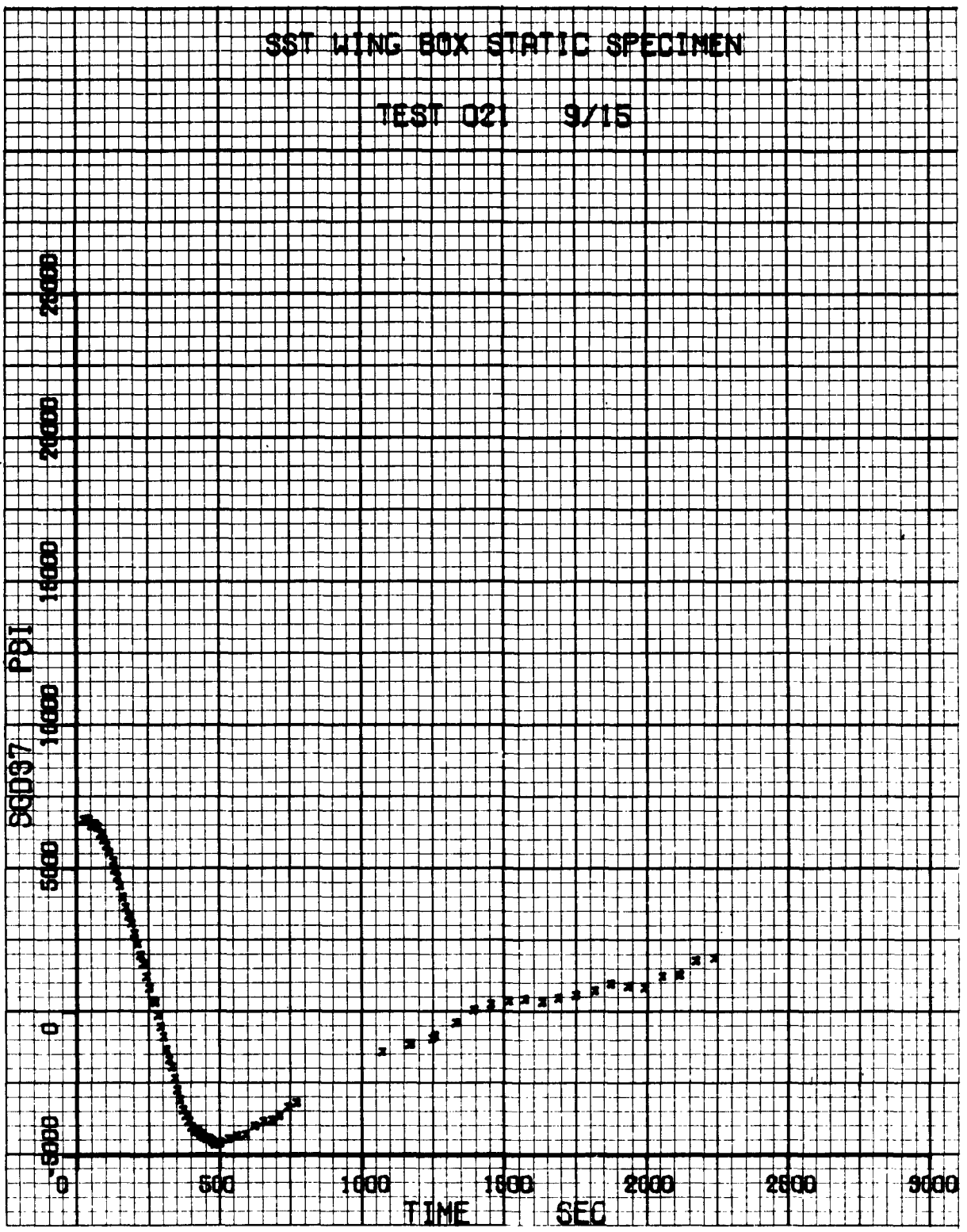
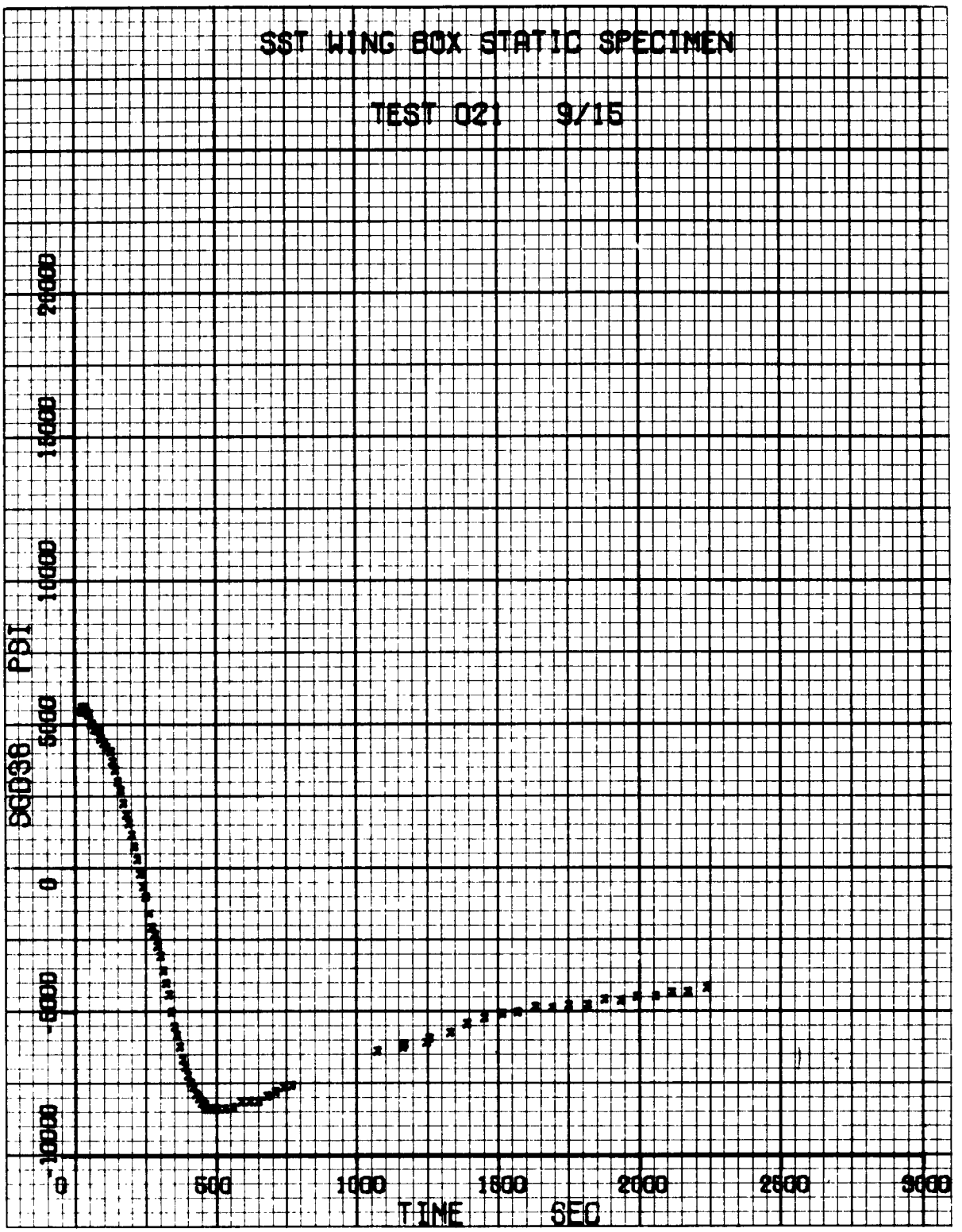
3000
TIME SEC

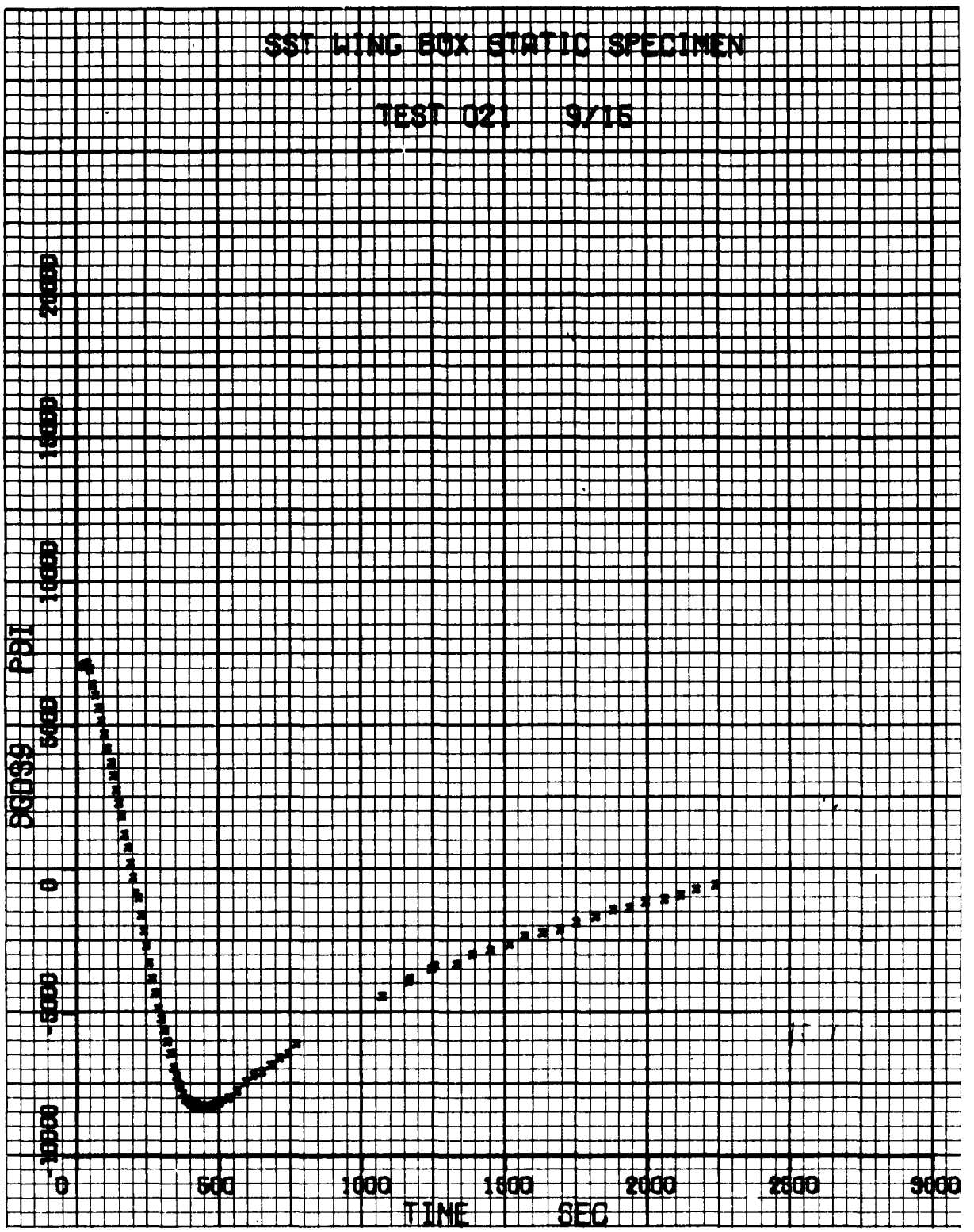

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
BGG27 PSI
0
1000
2000
3000
0
500
1000
1500
2000
2500
3000
TIME SEC

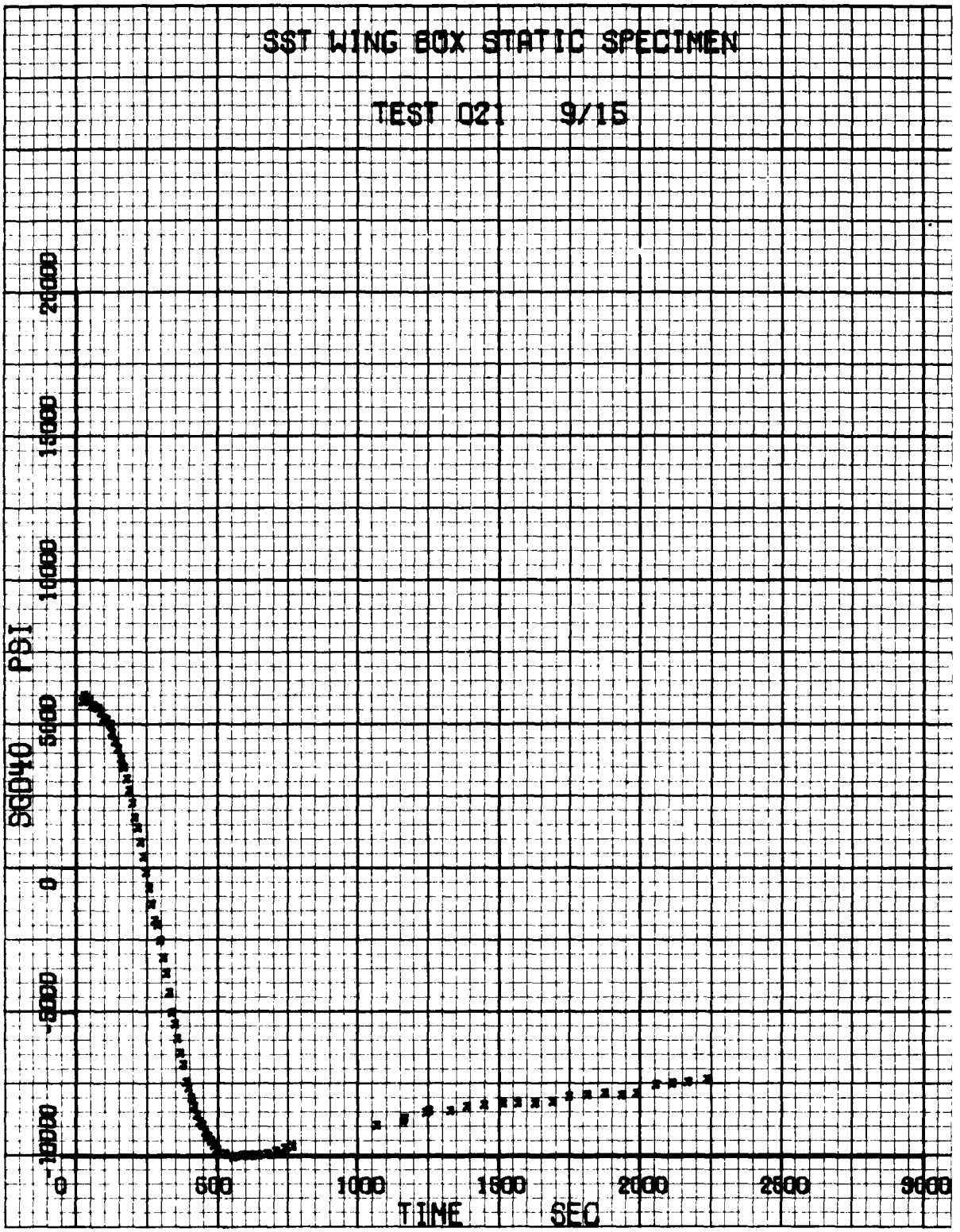

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
BG035 PSI
2000
1000
0
-1000
0
600
1000
1800
2000
2600
3000
TIME SEC

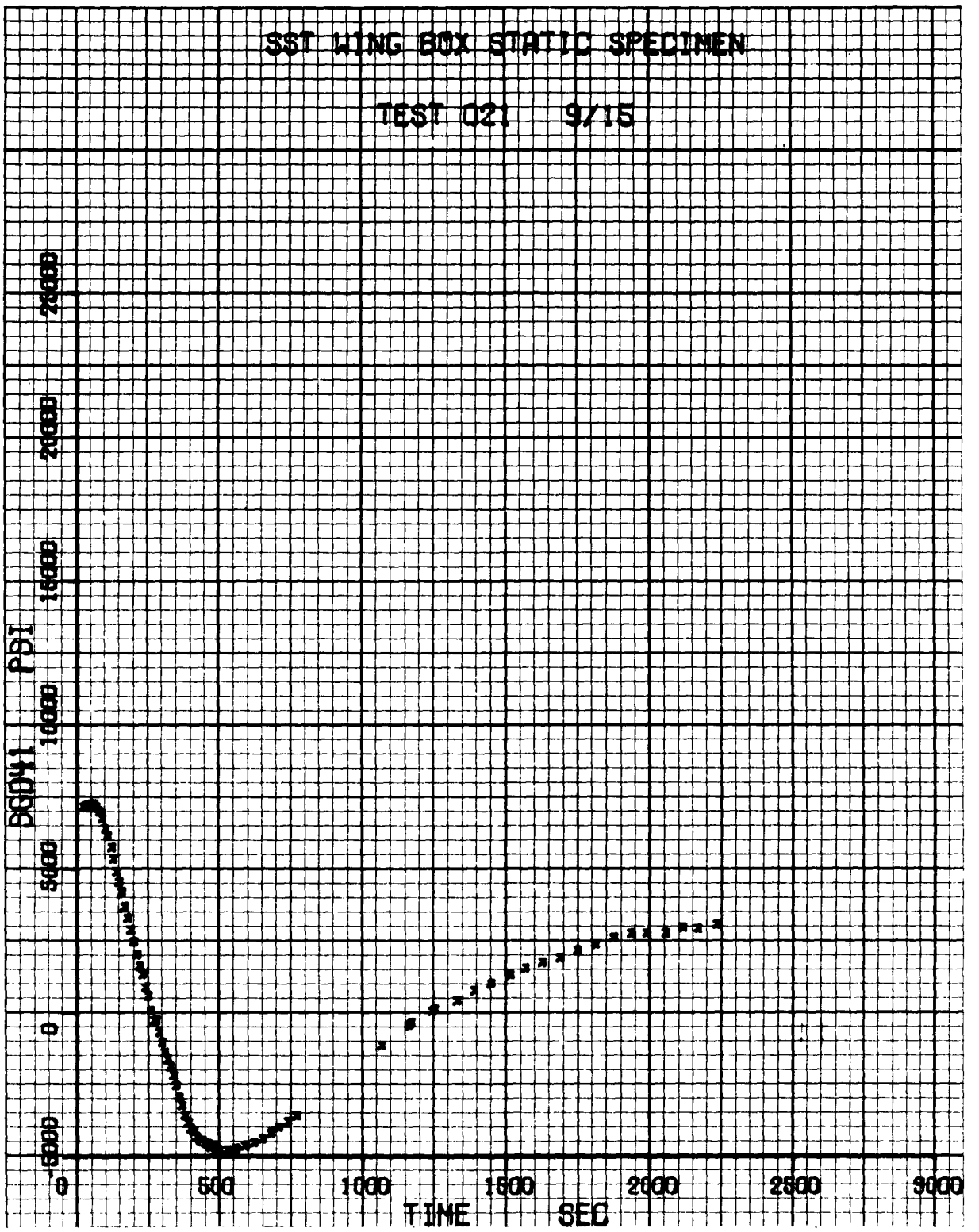

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
PSI
2000
1000
0
-1000
500
1000
1500
2000
TIME
SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
SGD37 PSI
2000
1500
1000
500
0
-500
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
SGD38 PSI
2000
1500
1000
500
0
-500
-1000
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
SGD39 PSI
2000
1000
0
-1000
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
9G040 PSI
20000
15000
10000
5000
0
-5000
-10000
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
SG041 PSI
-1000
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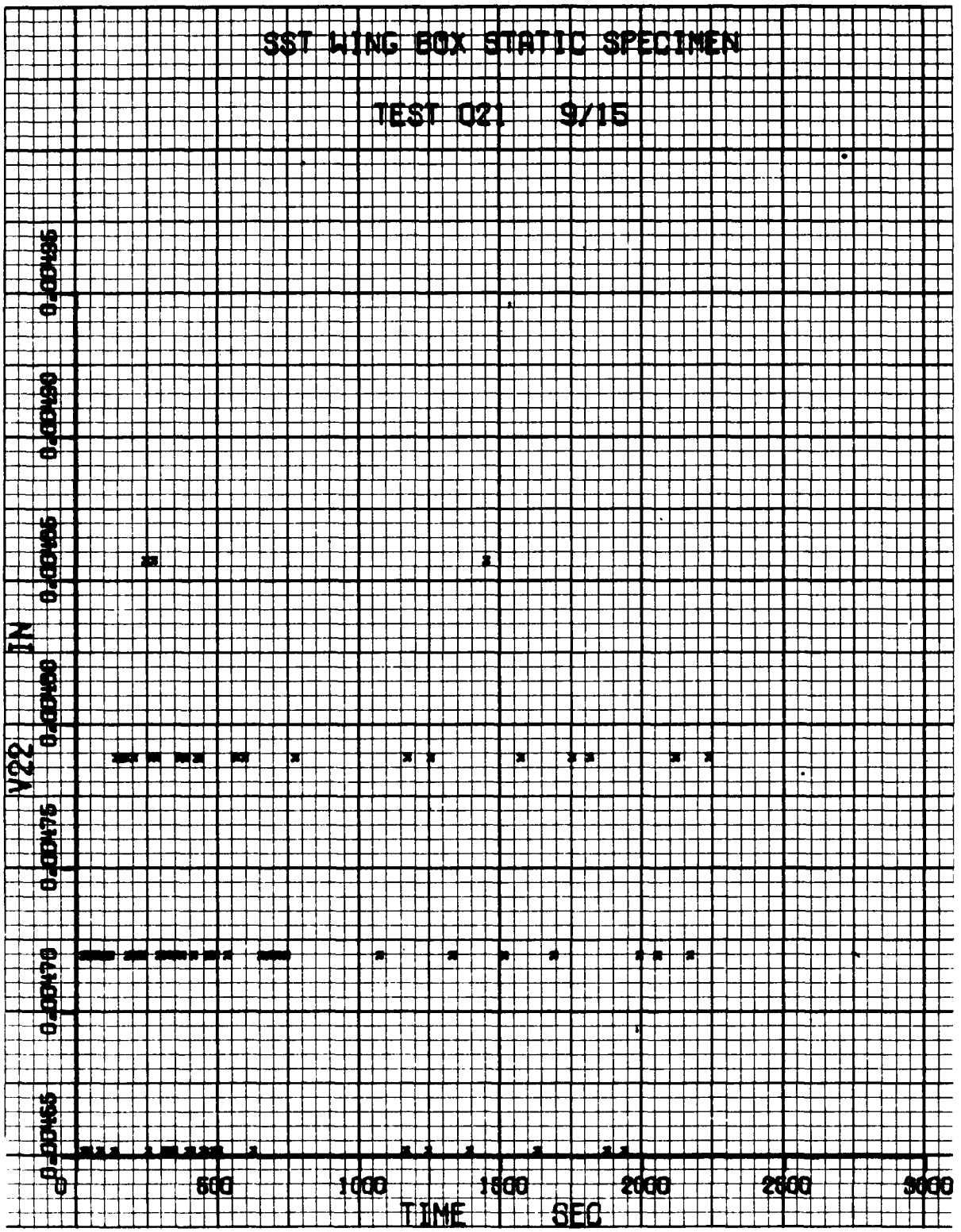
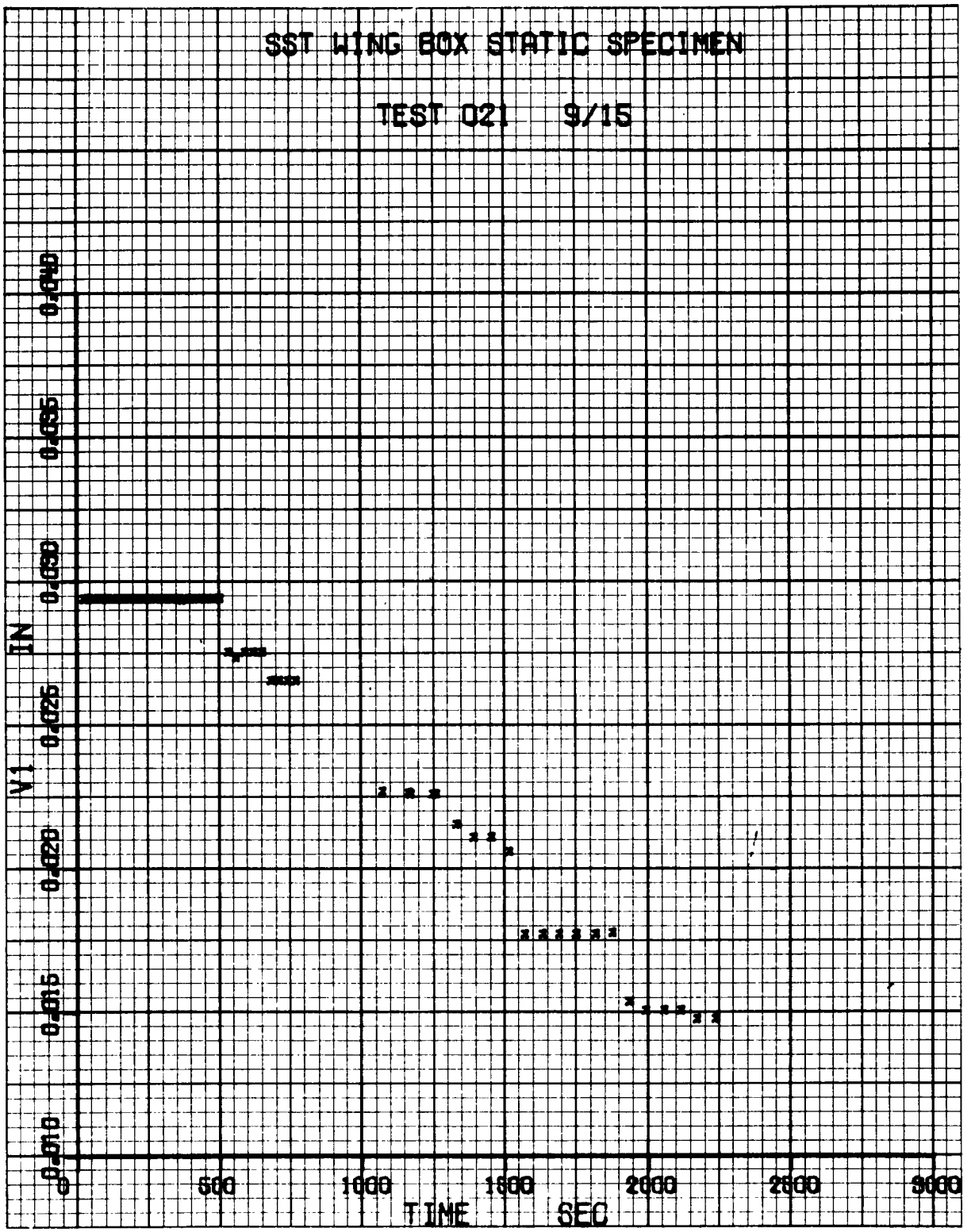
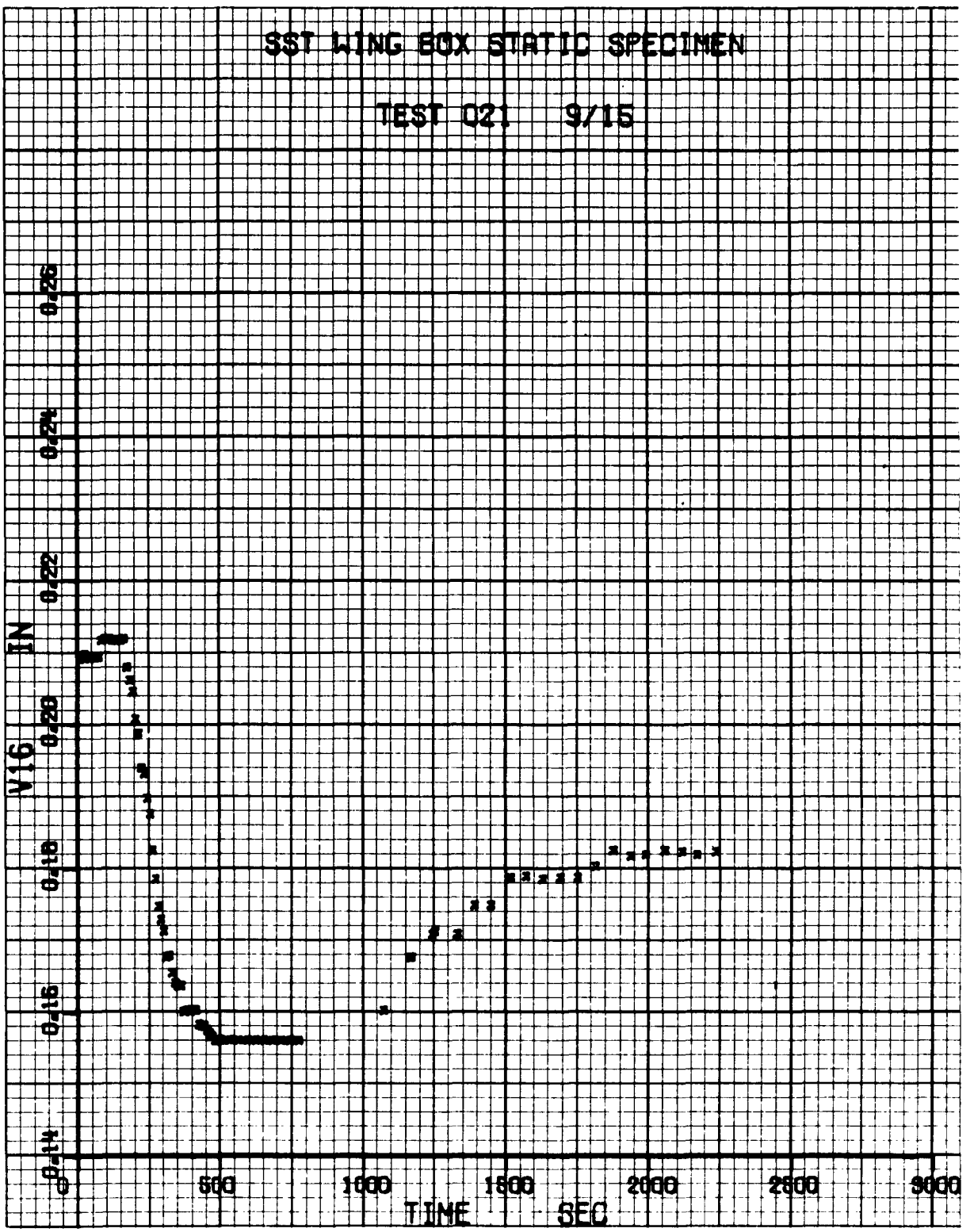
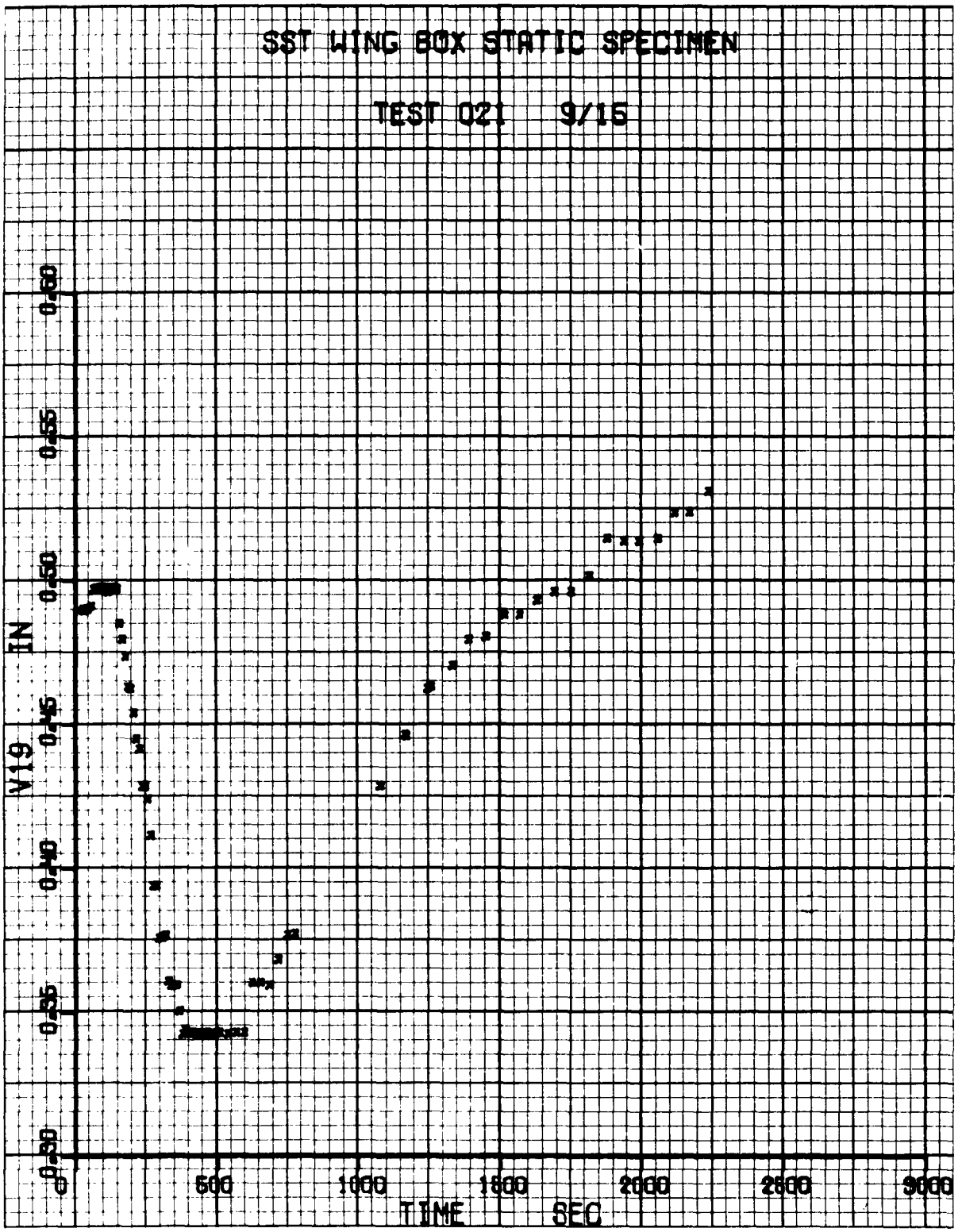
1000
2000
2500
3000
TIME SEC

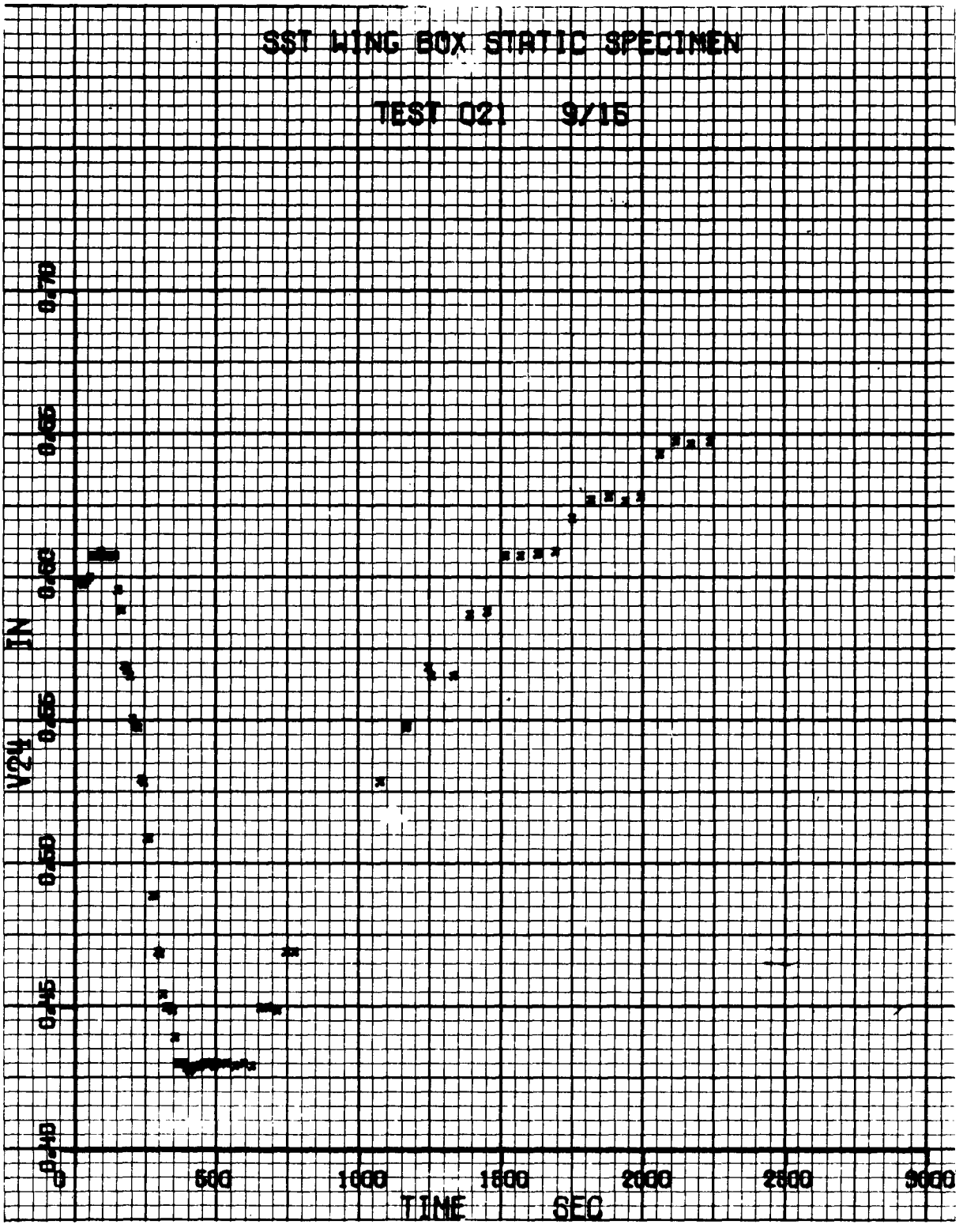

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V22 IN
0.0
0.00625
0.0125
0.01875
0.025
0.03125
0.0375
0.04375
0.05
0.05625
0.0625
0.06875
0.075
0.08125
0.0875
0.09375
0.1
0.10625
0.1125
0.11875
0.125
0.13125
0.1375
0.14375
0.15
0.15625
0.1625
0.16875
0.175
0.18125
0.1875
0.19375
0.2
0.20625
0.2125
0.21875
0.225
0.23125
0.2375
0.24375
0.25
0.25625
0.2625
0.26875
0.275
0.28125
0.2875
0.29375
0.3
0.30625
0.3125
0.31875
0.325
0.33125
0.3375
0.34375
0.35
0.35625
0.3625
0.36875
0.375
0.38125
0.3875
0.39375
0.4
0.40625
0.4125
0.41875
0.425
0.43125
0.4375
0.44375
0.45
0.45625
0.4625
0.46875
0.475
0.48125
0.4875
0.49375
0.5
0.50625
0.5125
0.51875
0.525
0.53125
0.5375
0.54375
0.55
0.55625
0.5625
0.56875
0.575
0.58125
0.5875
0.59375
0.6
0.60625
0.6125
0.61875
0.625
0.63125
0.6375
0.64375
0.65
0.65625
0.6625
0.66875
0.675
0.68125
0.6875
0.69375
0.7
0.70625
0.7125
0.71875
0.725
0.73125
0.7375
0.74375
0.75
0.75625
0.7625
0.76875
0.775
0.78125
0.7875
0.79375
0.8
0.80625
0.8125
0.81875
0.825
0.83125
0.8375
0.84375
0.85
0.85625
0.8625
0.86875
0.875
0.88125
0.8875
0.89375
0.9
0.90625
0.9125
0.91875
0.925
0.93125
0.9375
0.94375
0.95
0.95625
0.9625
0.96875
0.975
0.98125
0.9875
0.99375
1.0
0
500
1000
1500
2000
2500
3000
TIME SEC

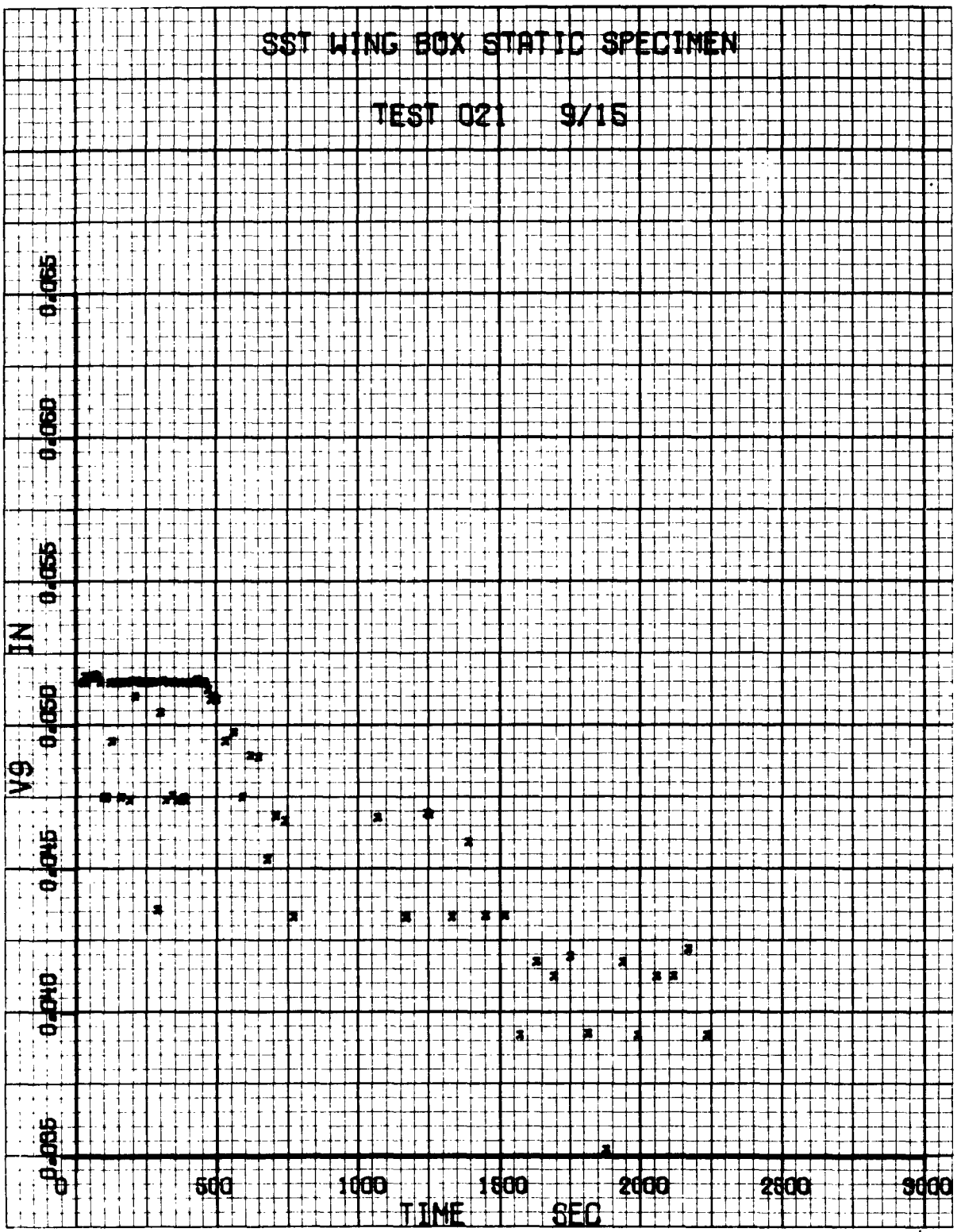

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V1 IN
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0
500
1000
1500
2000
2500
3000
TIME SEC

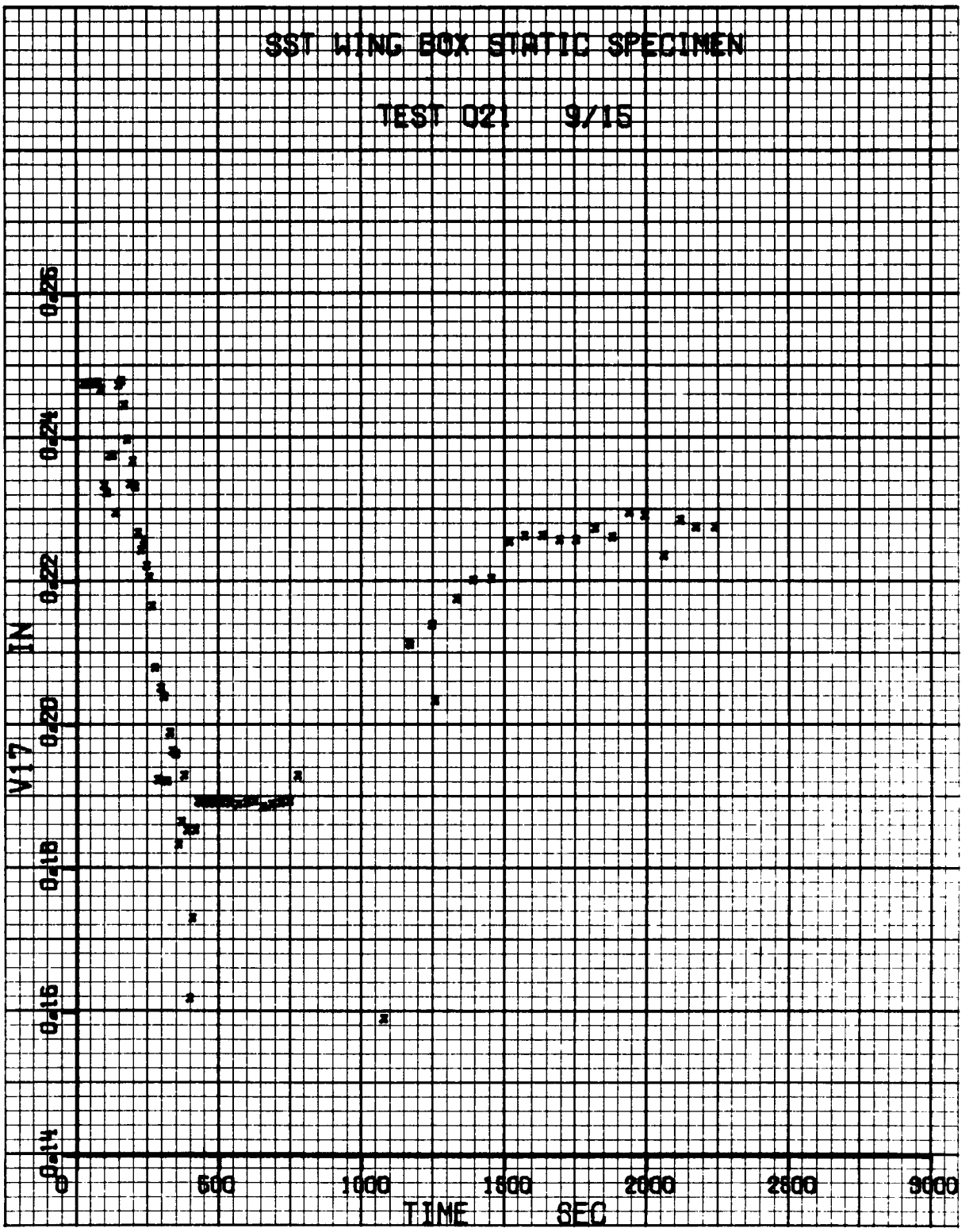
SST WING BOX STATIC SPECIMEN
TEST 021 9/15
IN
V3
0.0500
0.0495
0.0490
0.0485
0.0480
0
500
1000
1500
2000
2500
3000
TIME SEC

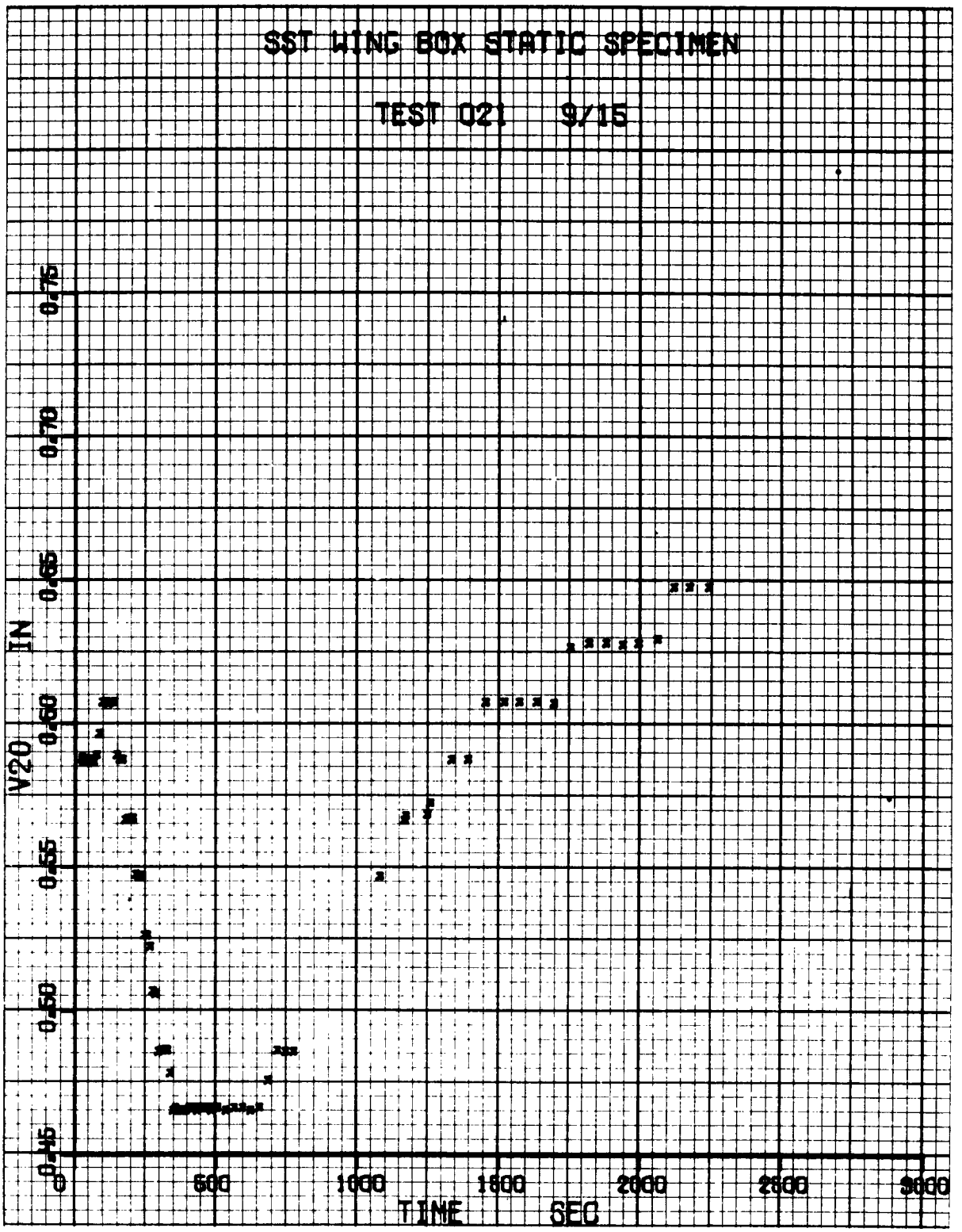

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V16 IN
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0
500
1000
1500
2000
2500
3000
TIME SEC

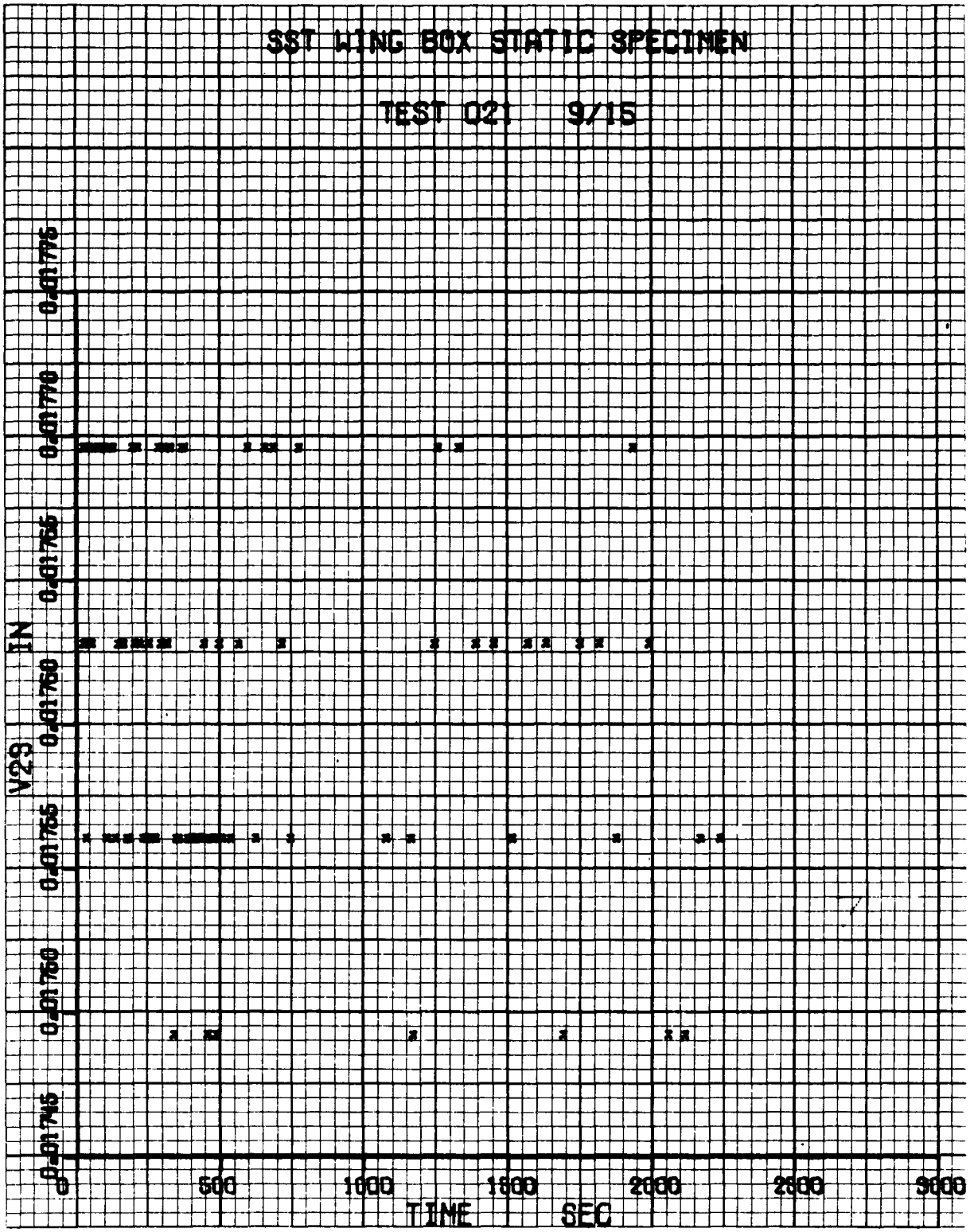

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V19
IN
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0
500
1000
1500
2000
2500
3000
TIME SEC

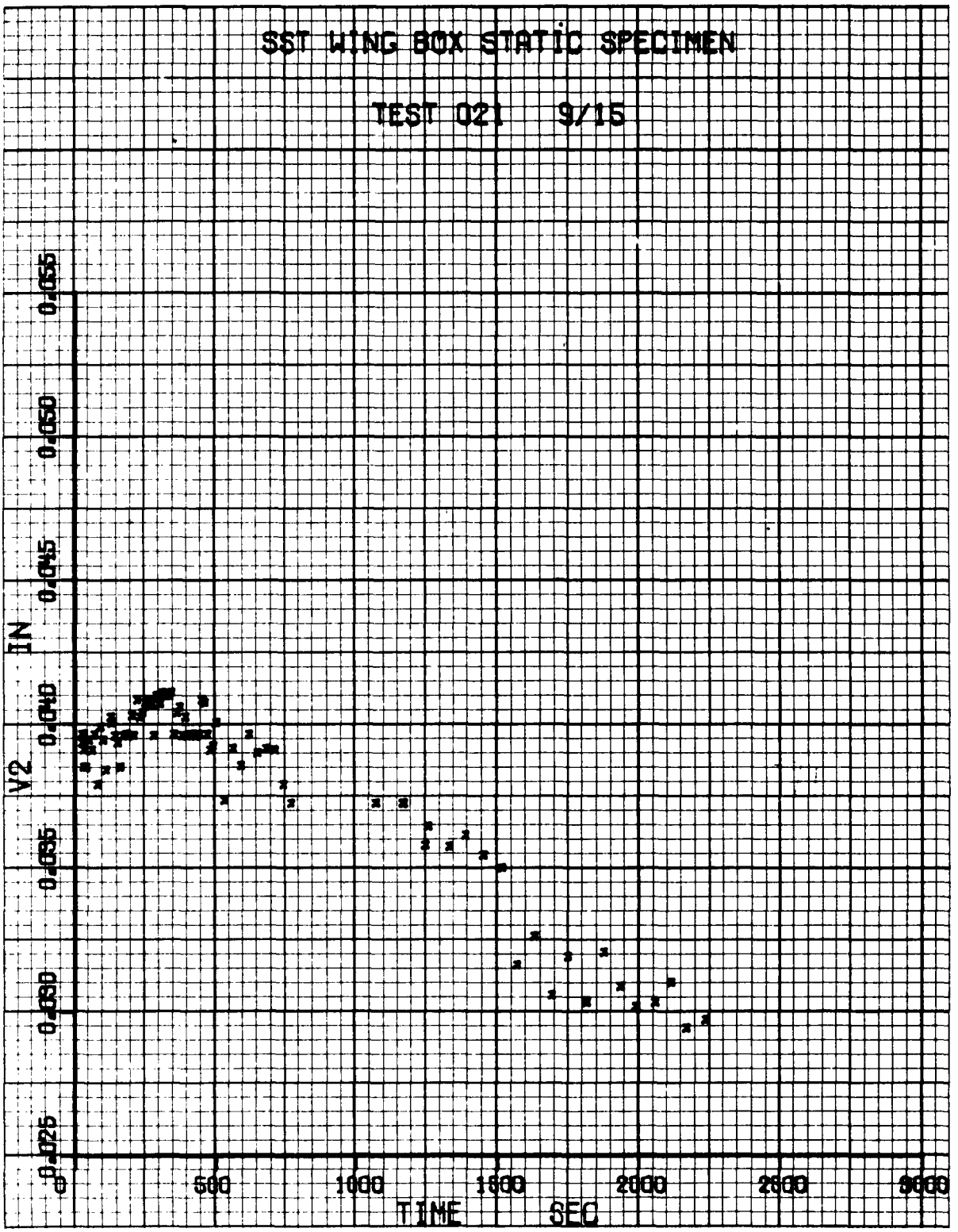

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V24
IN
0.70
0.65
0.60
0.55
0.50
0.45
0.40
0
500
1000
1500
2000
2500
3000
TIME
SEC

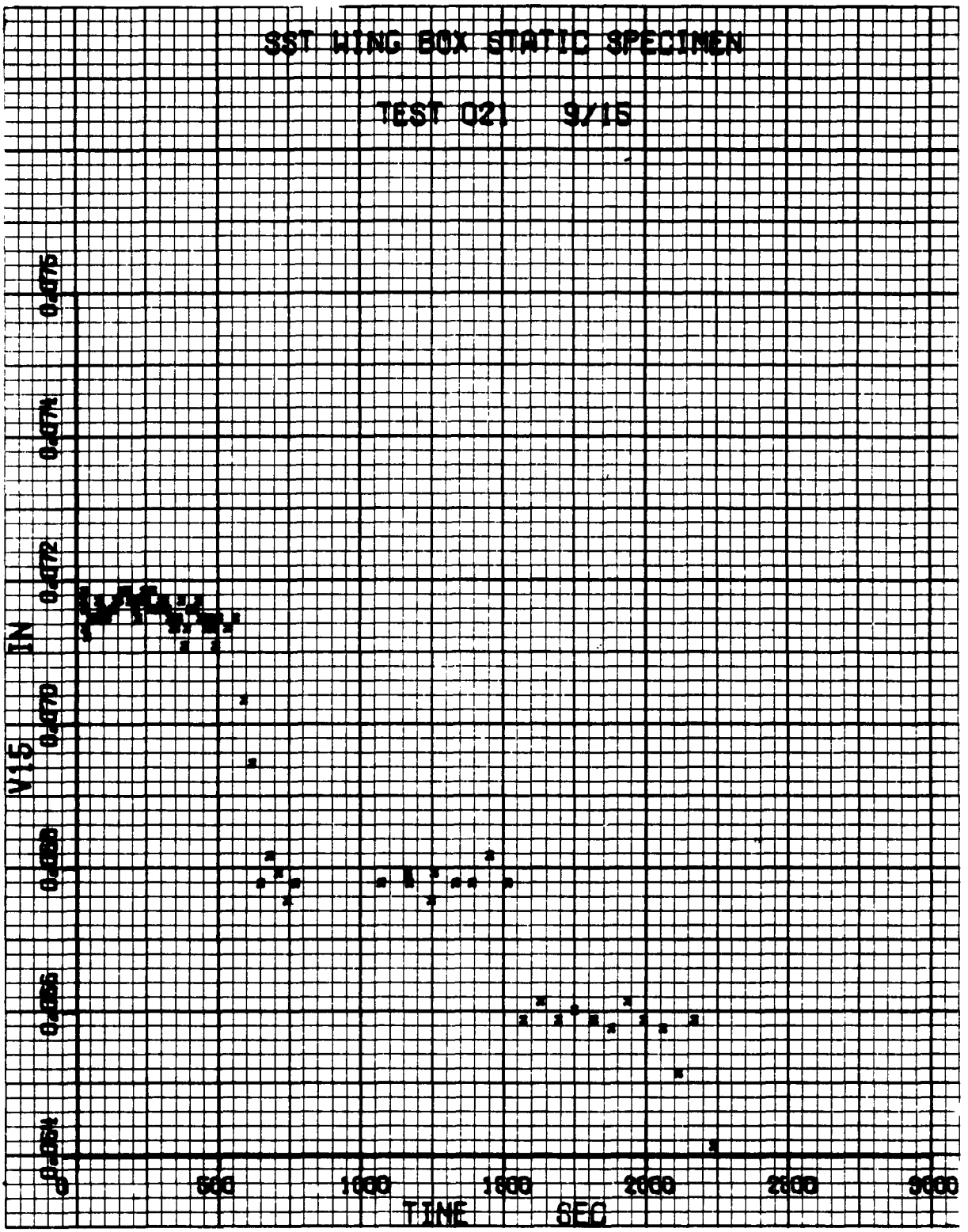

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V9 IN
0.065
0.060
0.055
0.050
0.045
0.040
0.035
0
500
1000
1500
2000
2500
3000
TIME SEC

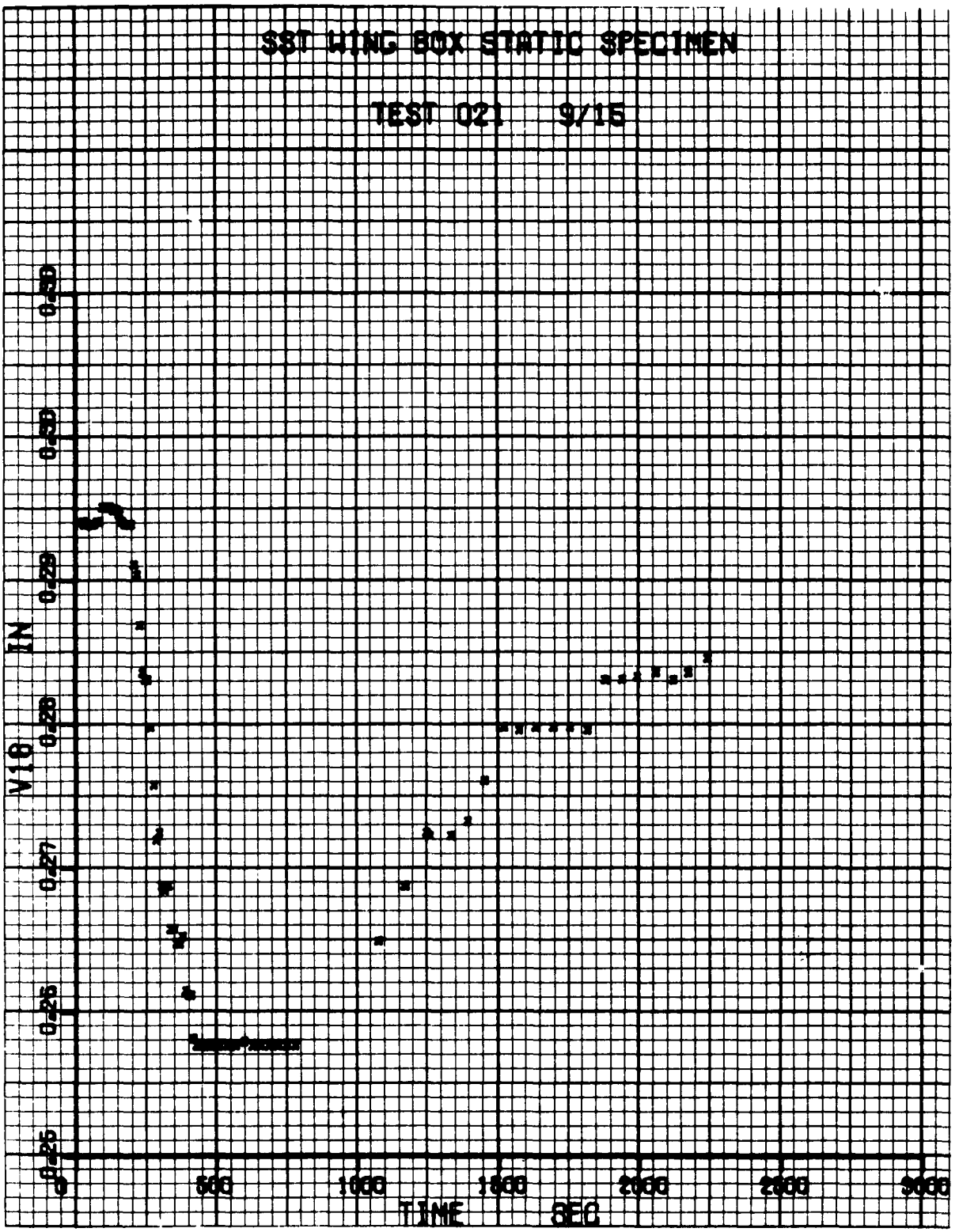

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V17 IN
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0
500
1000
1500
2000
2500
3000
TIME SEC

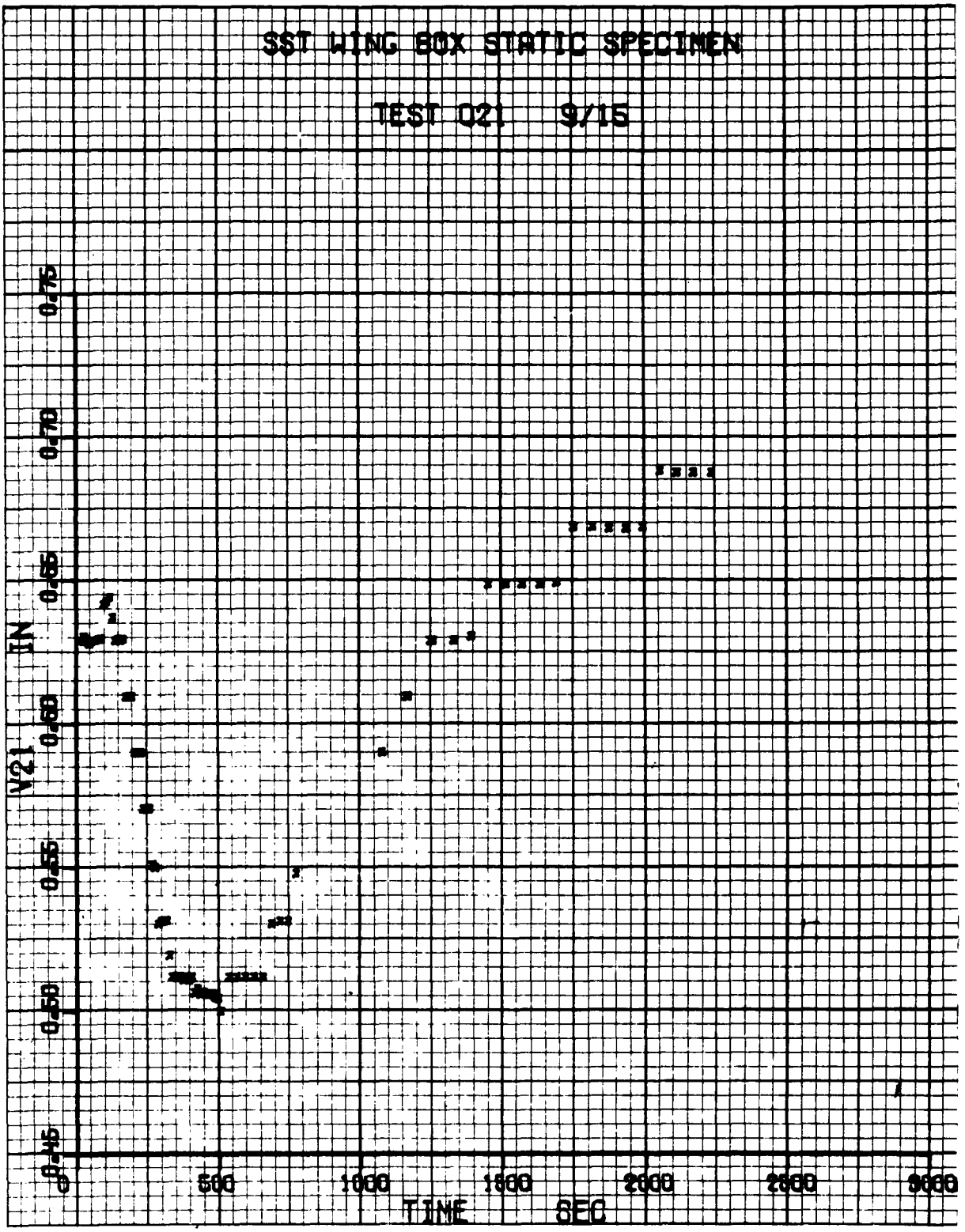

SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V20 IN
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0
600
1000
1800
2000
2600
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V23 IN
0.01775
0.01770
0.01765
0.01760
0.01755
0.01750
0.01745
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V2
IN
0.055
0.050
0.045
0.040
0.035
0.030
0.025
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V15 IN
0.475
0.474
0.472
0.470
0.466
0.464
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V16 IN
0.25
0.26
0.27
0.28
0.29
0.30
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 021 9/15
V21 IN
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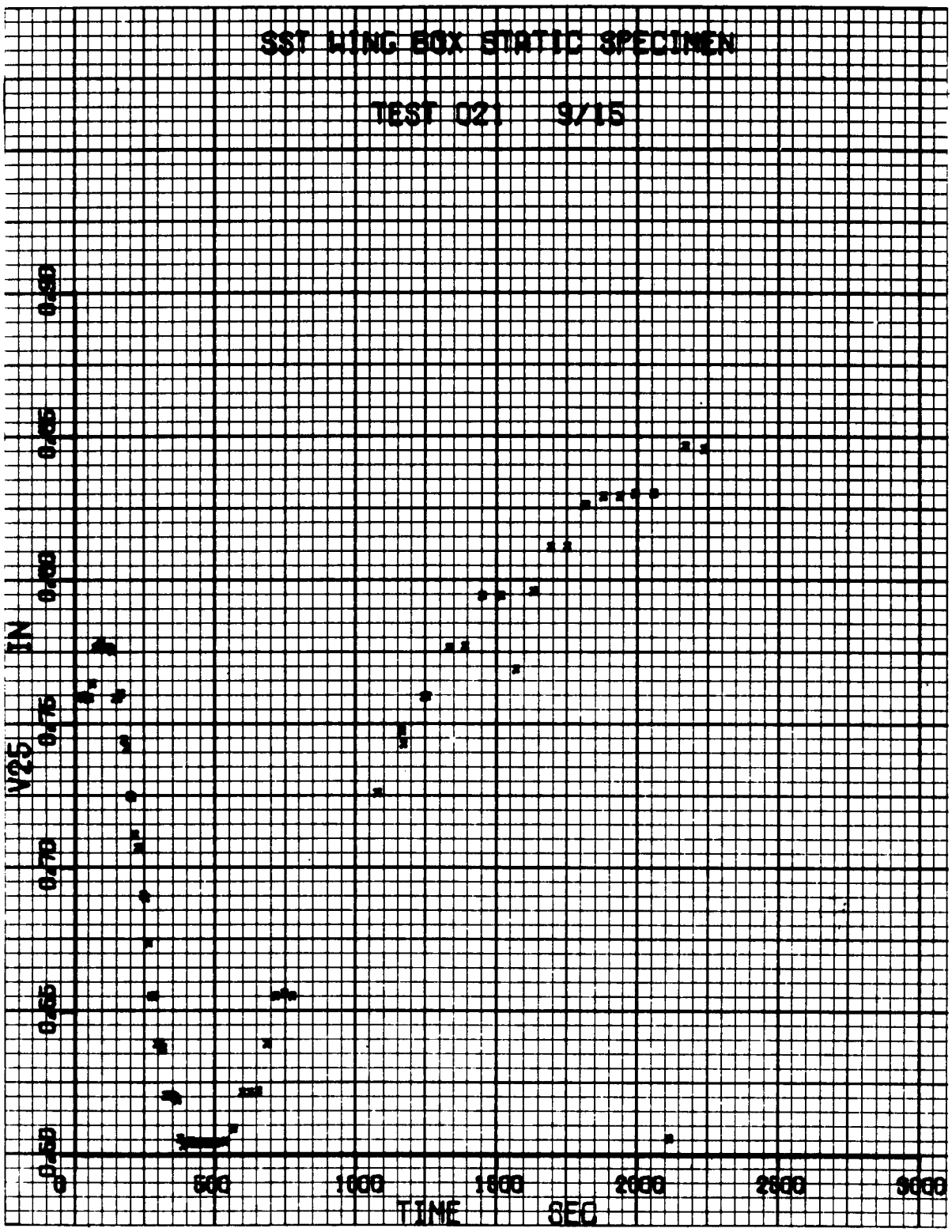
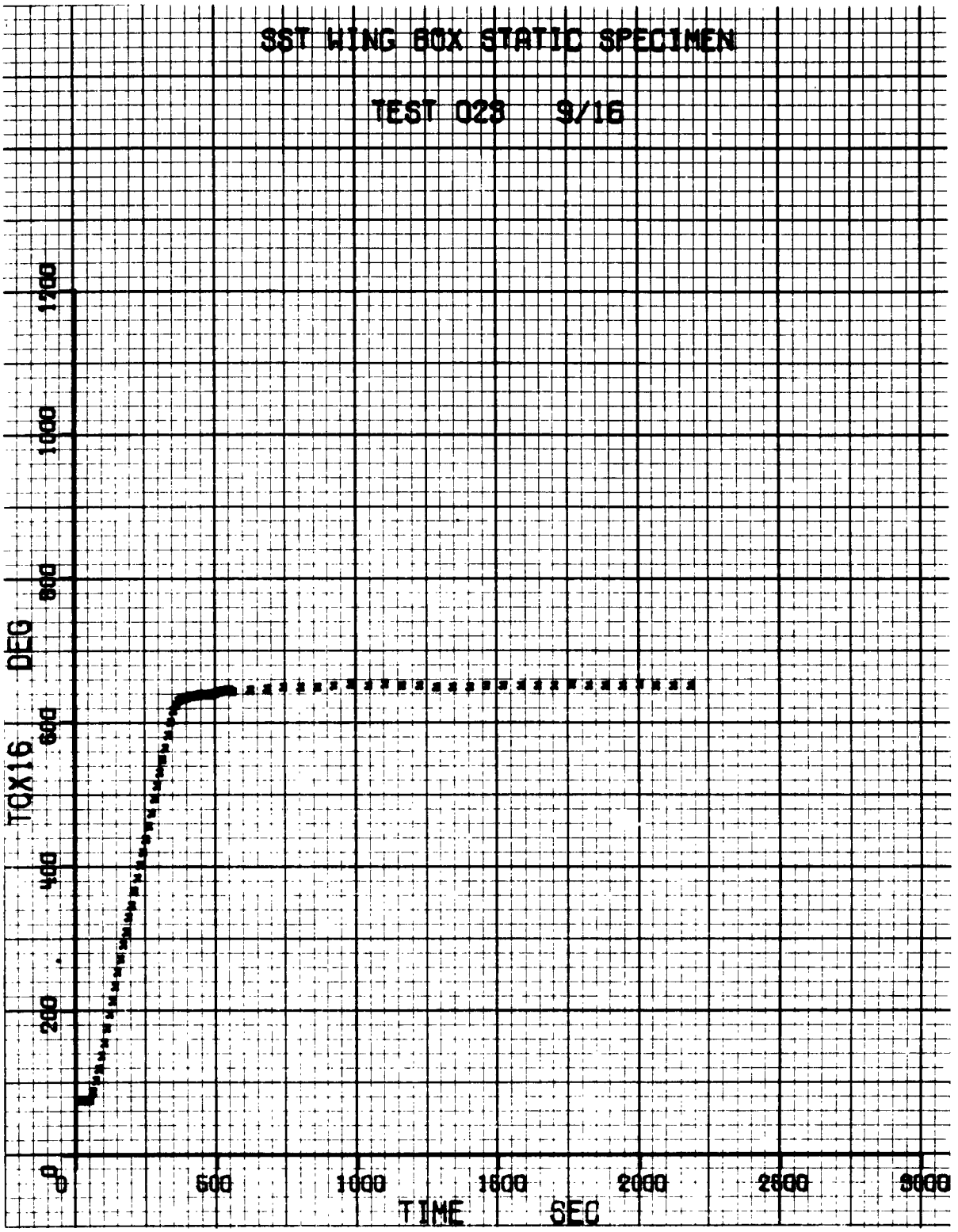
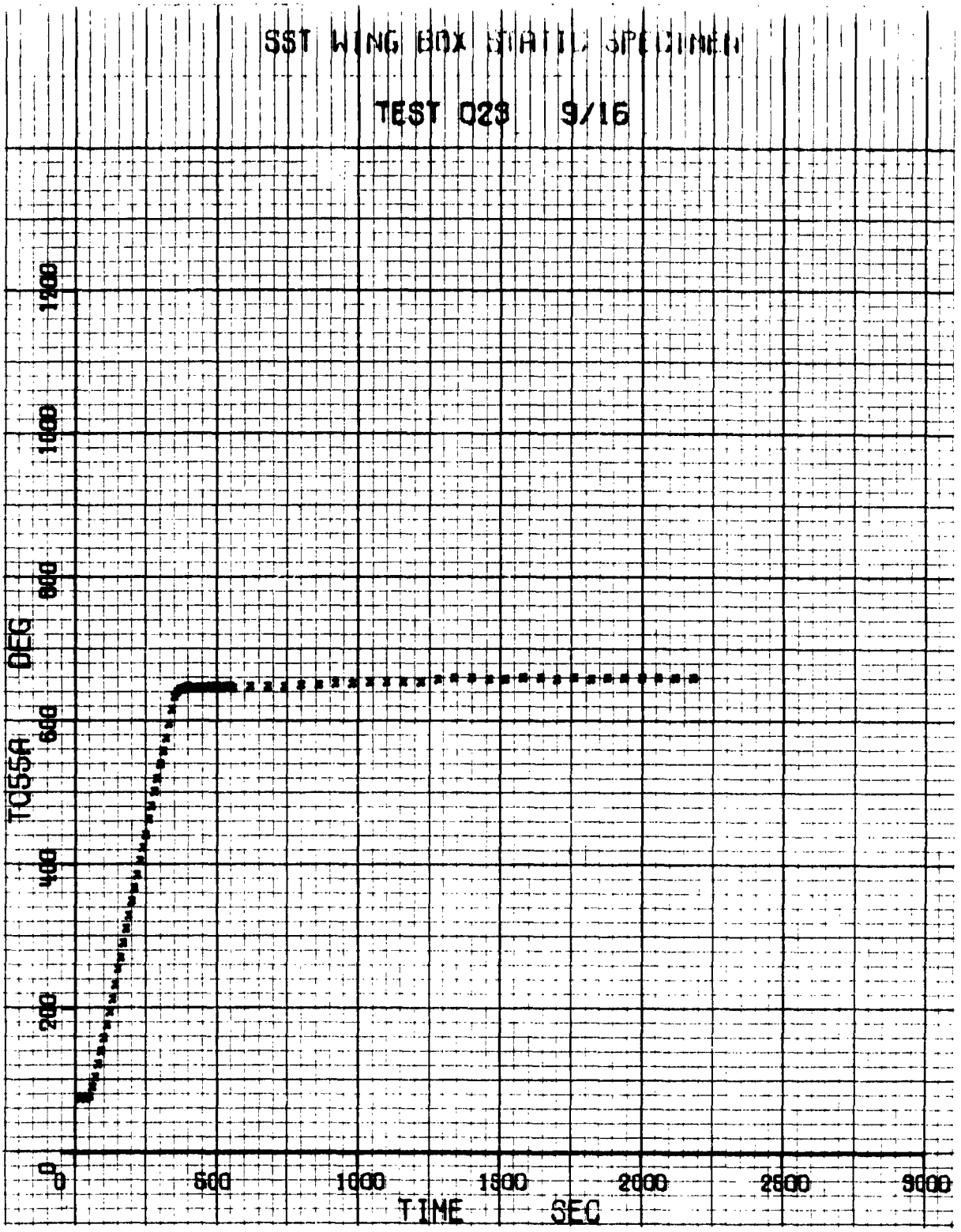
0.70
0.65
0.60
0.55
0.50
0.45
0
500
1000
1500
2000
2500
3000
TIME SEC

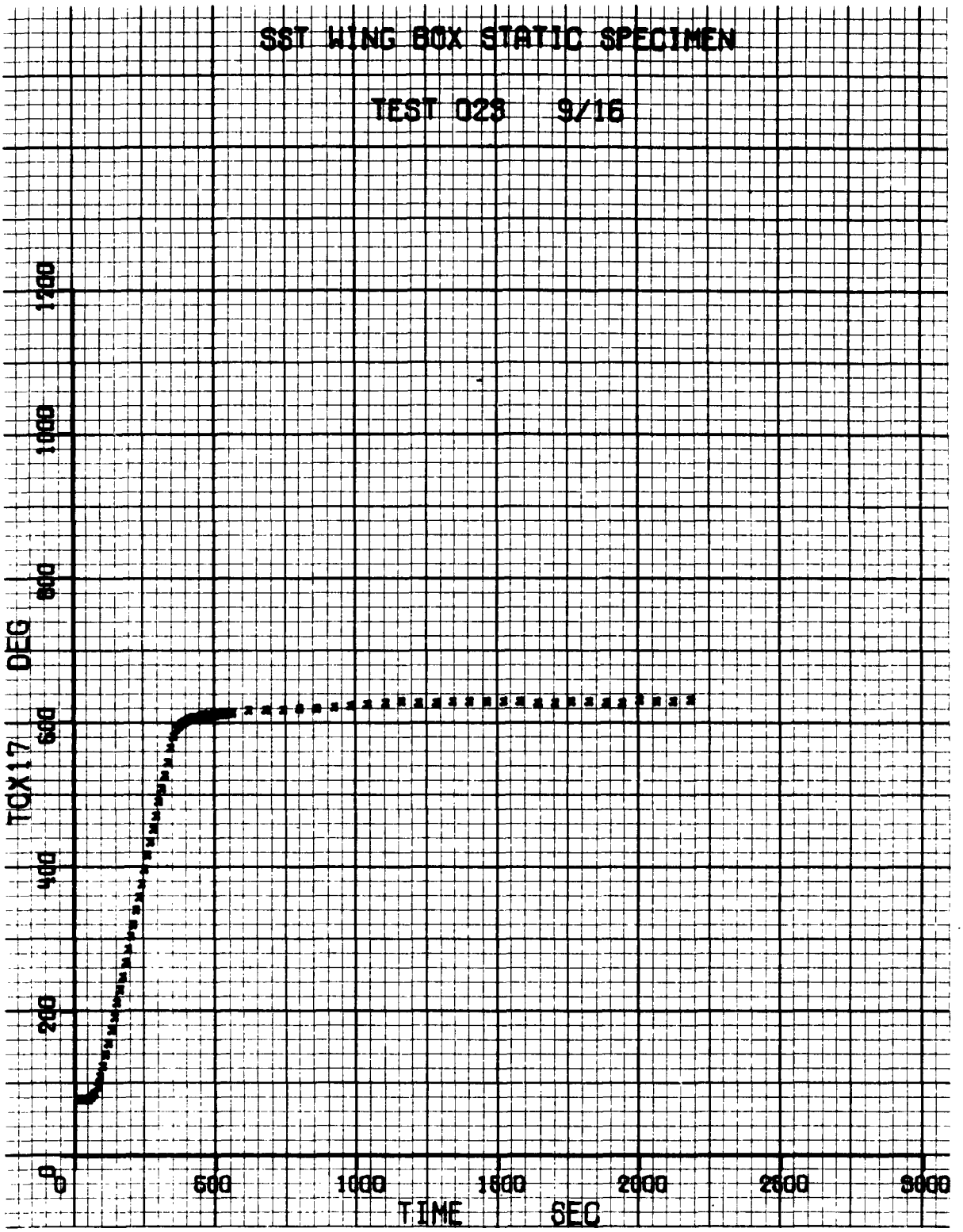

SST LING BOX STATIC SPECIMEN
TEST 021 9/15
V25 IN
0.80
0.85
0.90
0.75
0.70
0.65
0.60
0
500
1000
1500
2000
2500
3000
TIME SEC

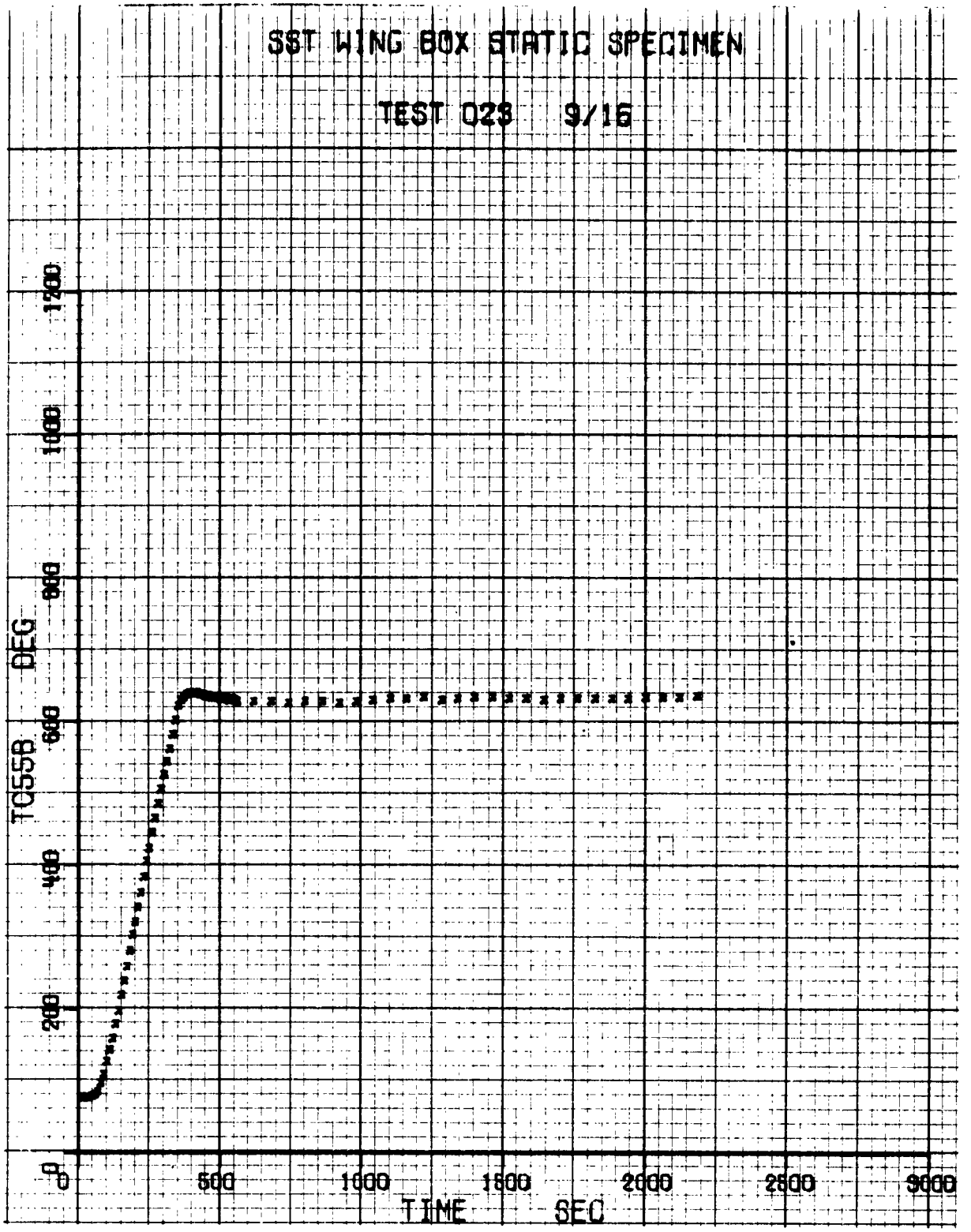
TEST No. 23

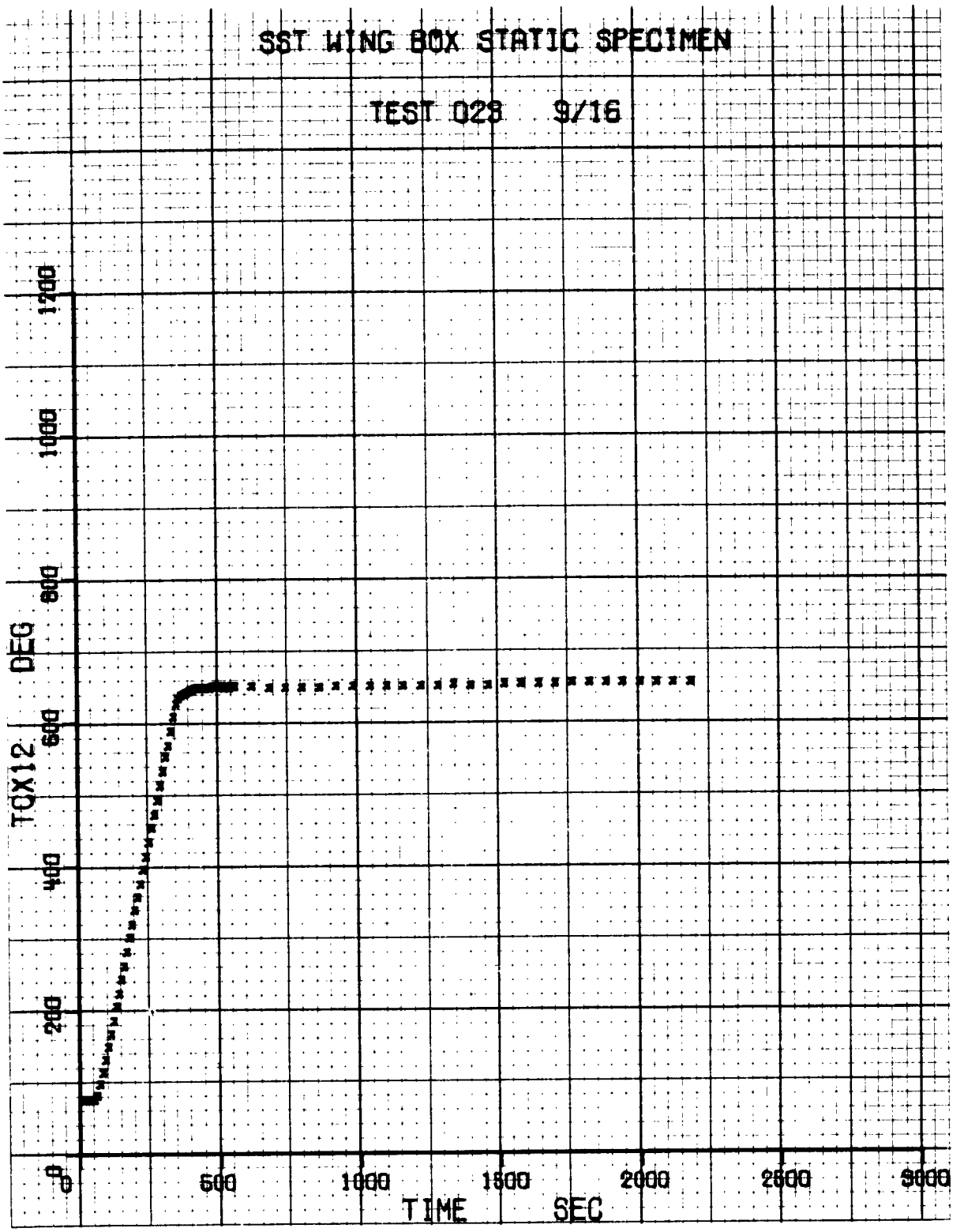
Jack Location	**W.S.** 189 **; F.S.** 60
Jack Load, lb	21,200
Percent of Limit	60
Fuel Condition	**Tanks** EMPTY
Tank Pressure, psi	0
Maximum Surface Temperature, °F	650


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TQX16 DEG
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TOSSA DEG
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TCX17
DEG
0
200
400
600
1000
1200
0
600
1000
1600
2000
2500
3000
TIME
SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TC55B DEG
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TQX12 DEG
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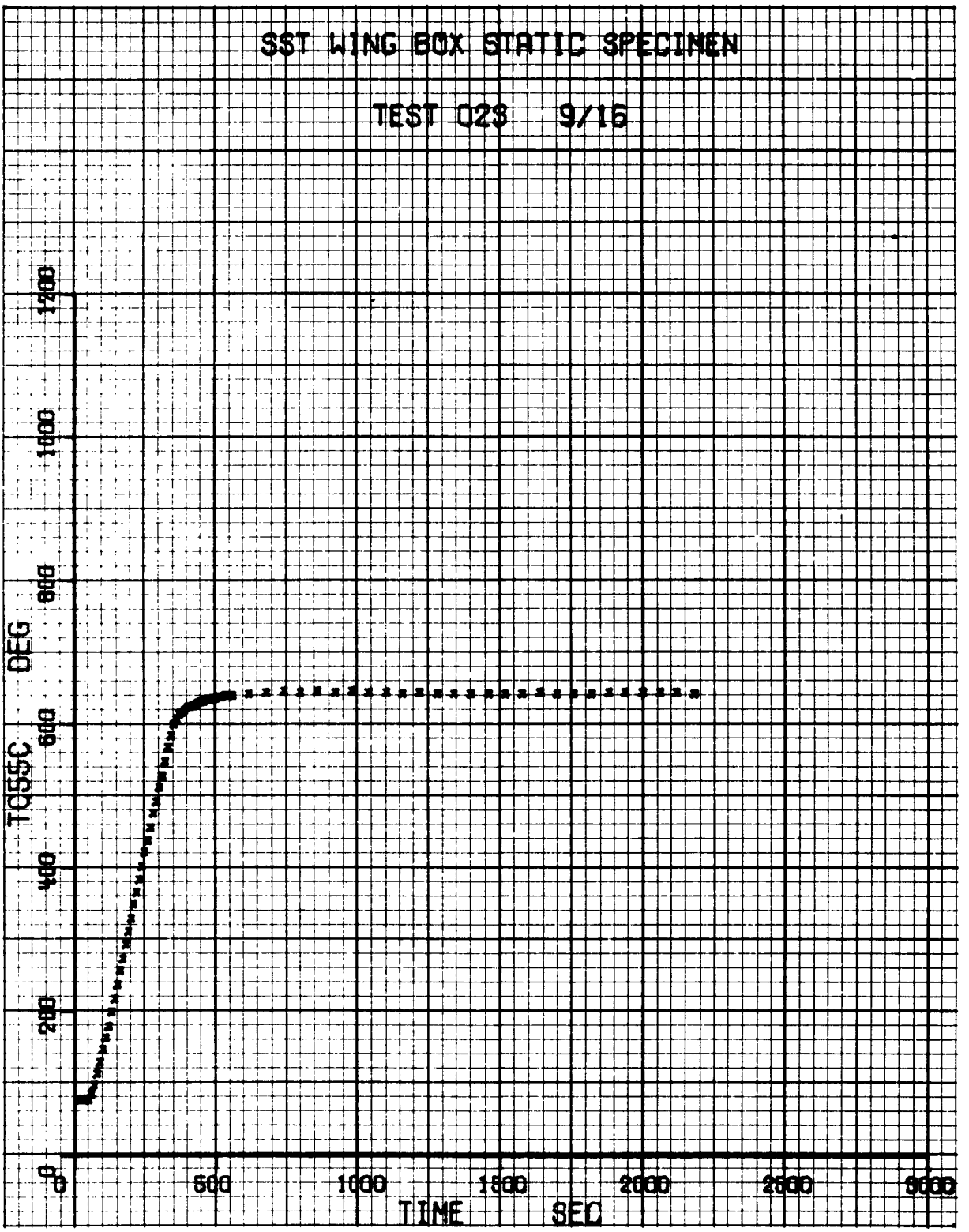
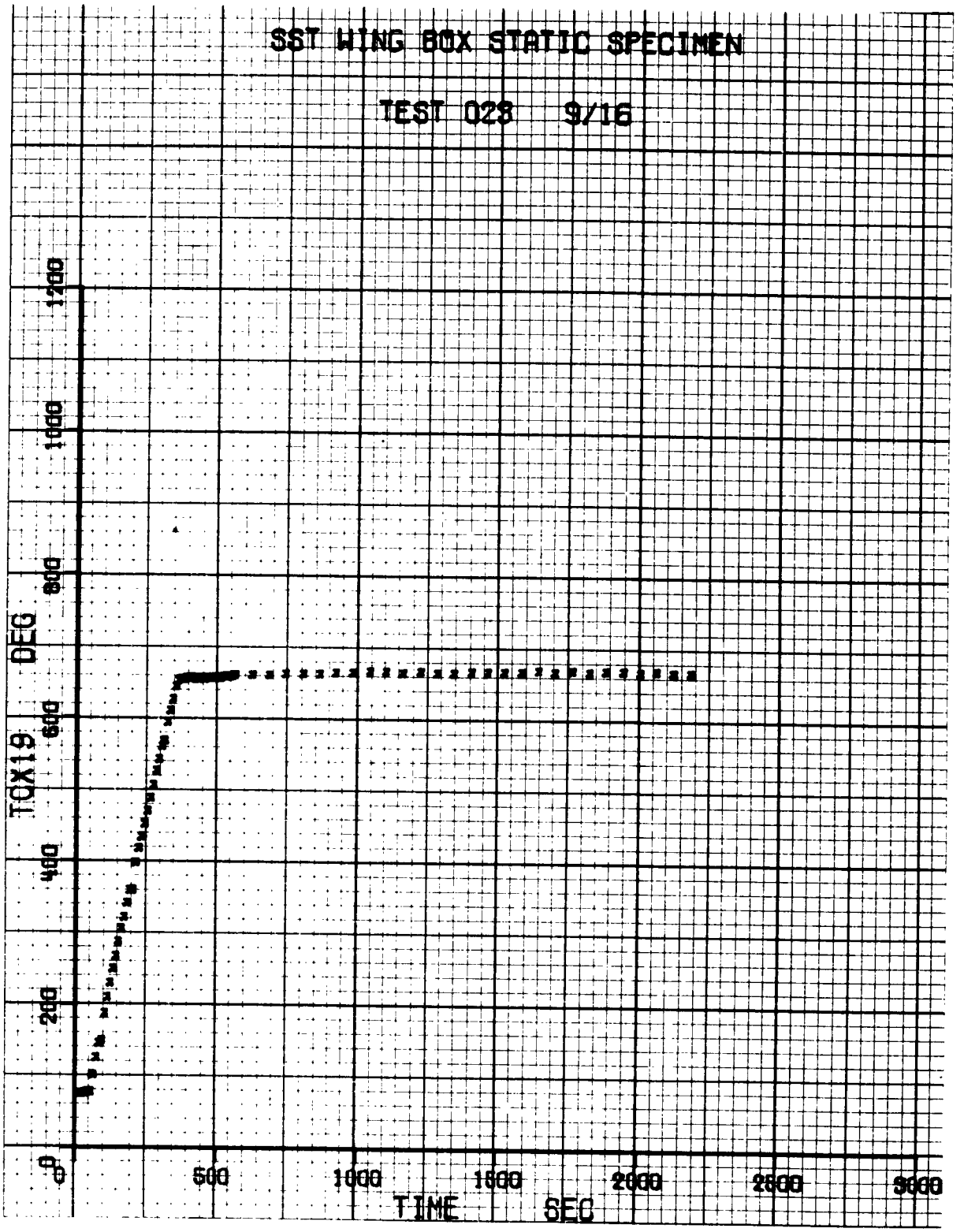
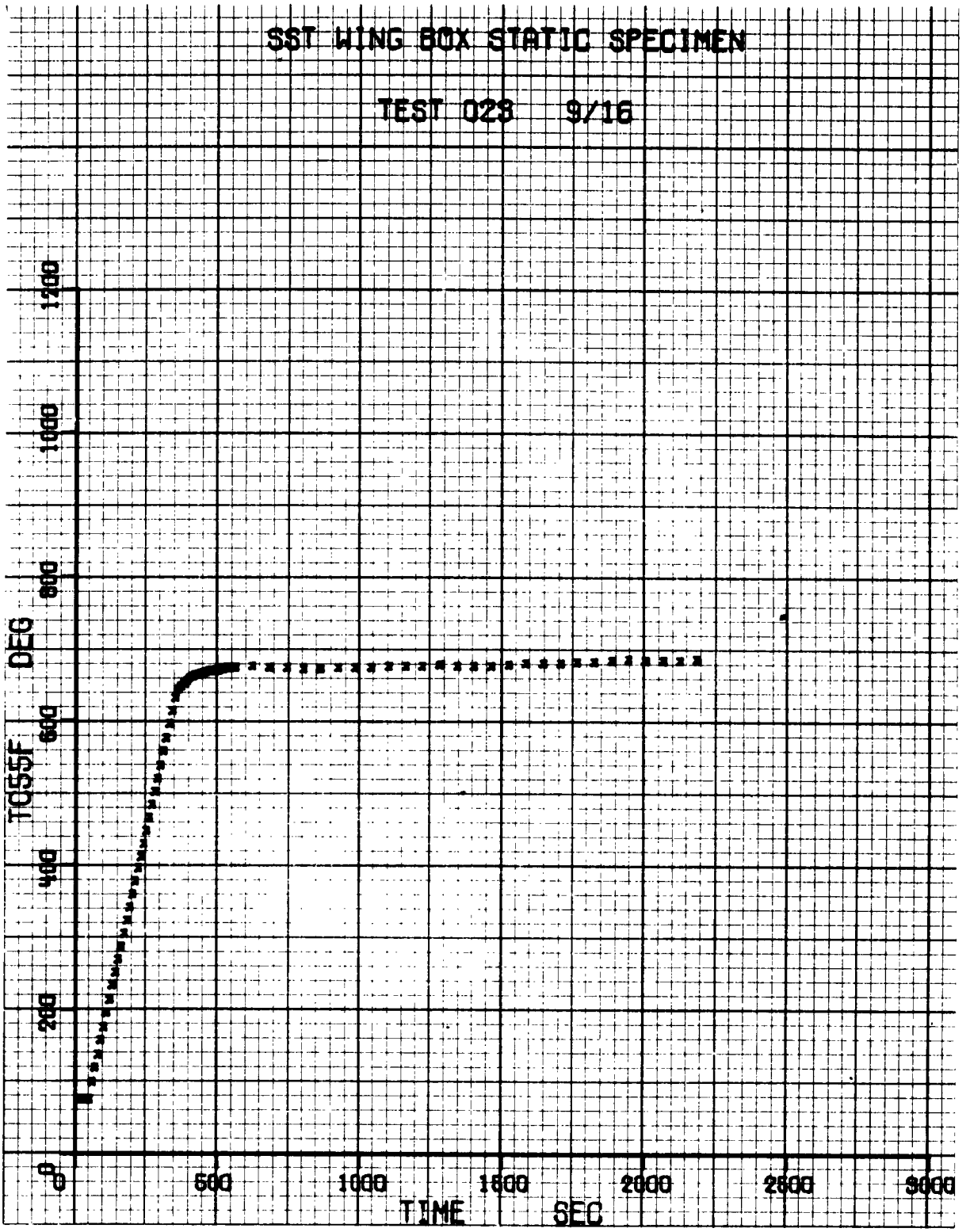
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TQSSC DEG
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TQX19 DEG
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TC55F DEG
1400
1000
800
600
400
200
0
0
500
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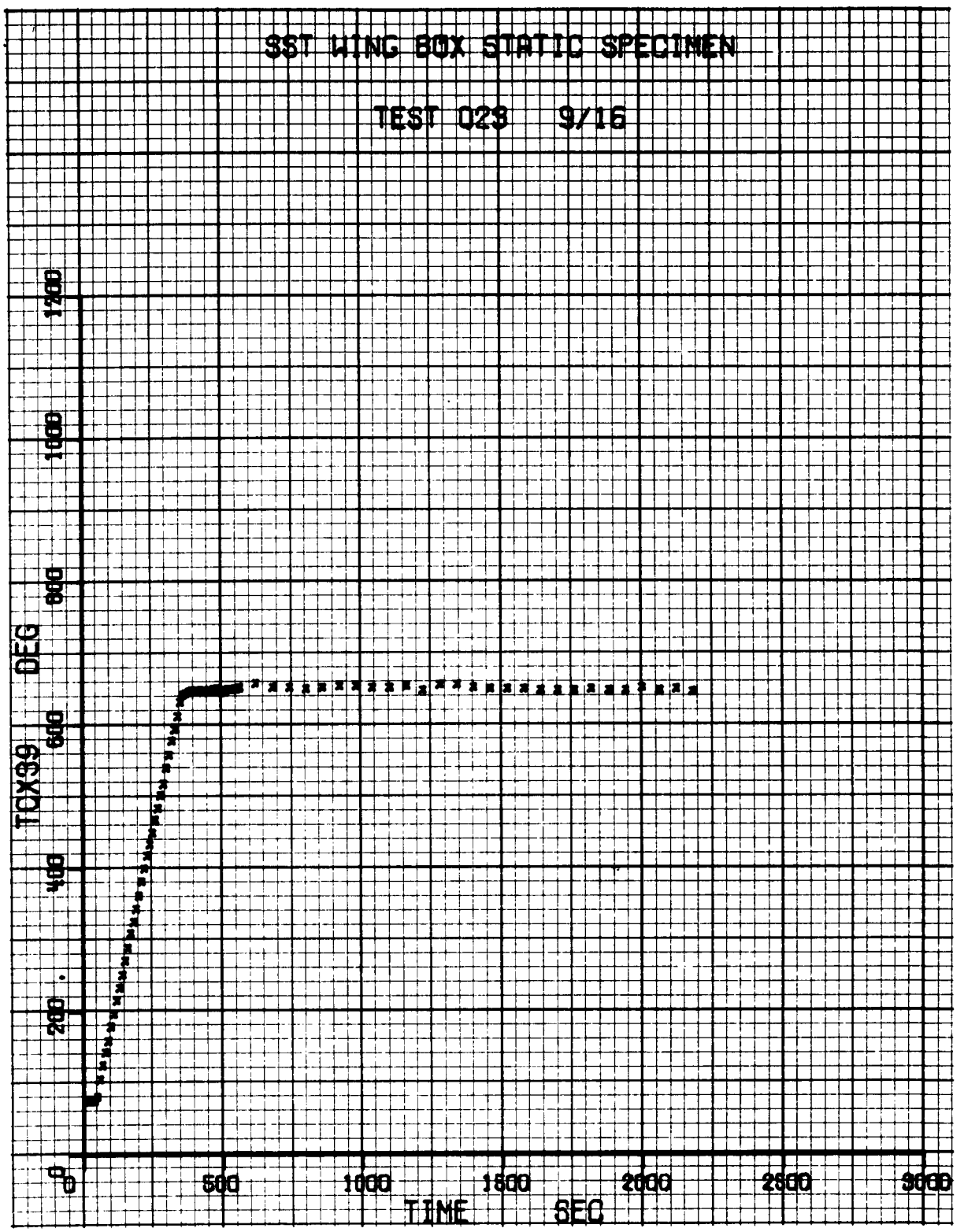
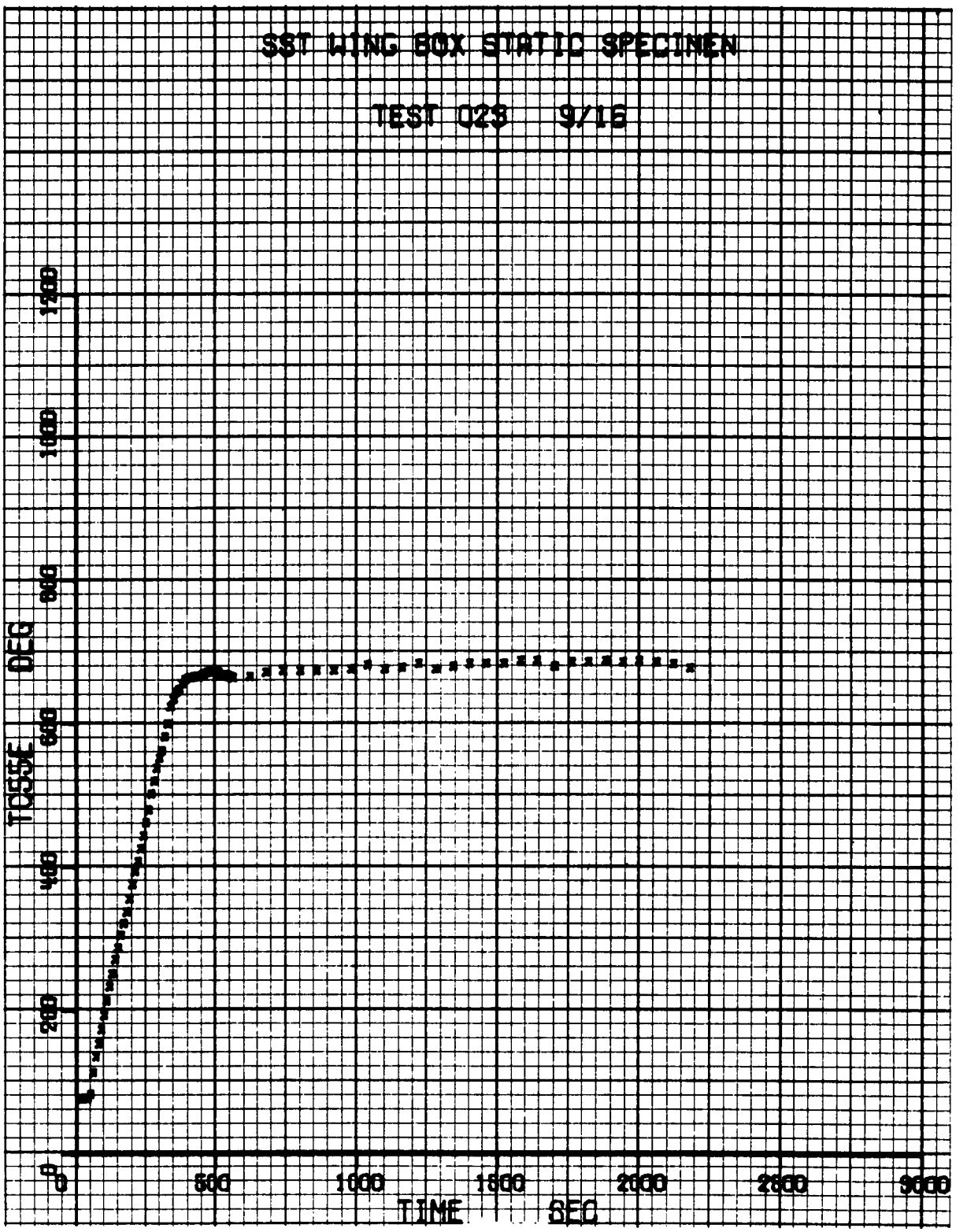
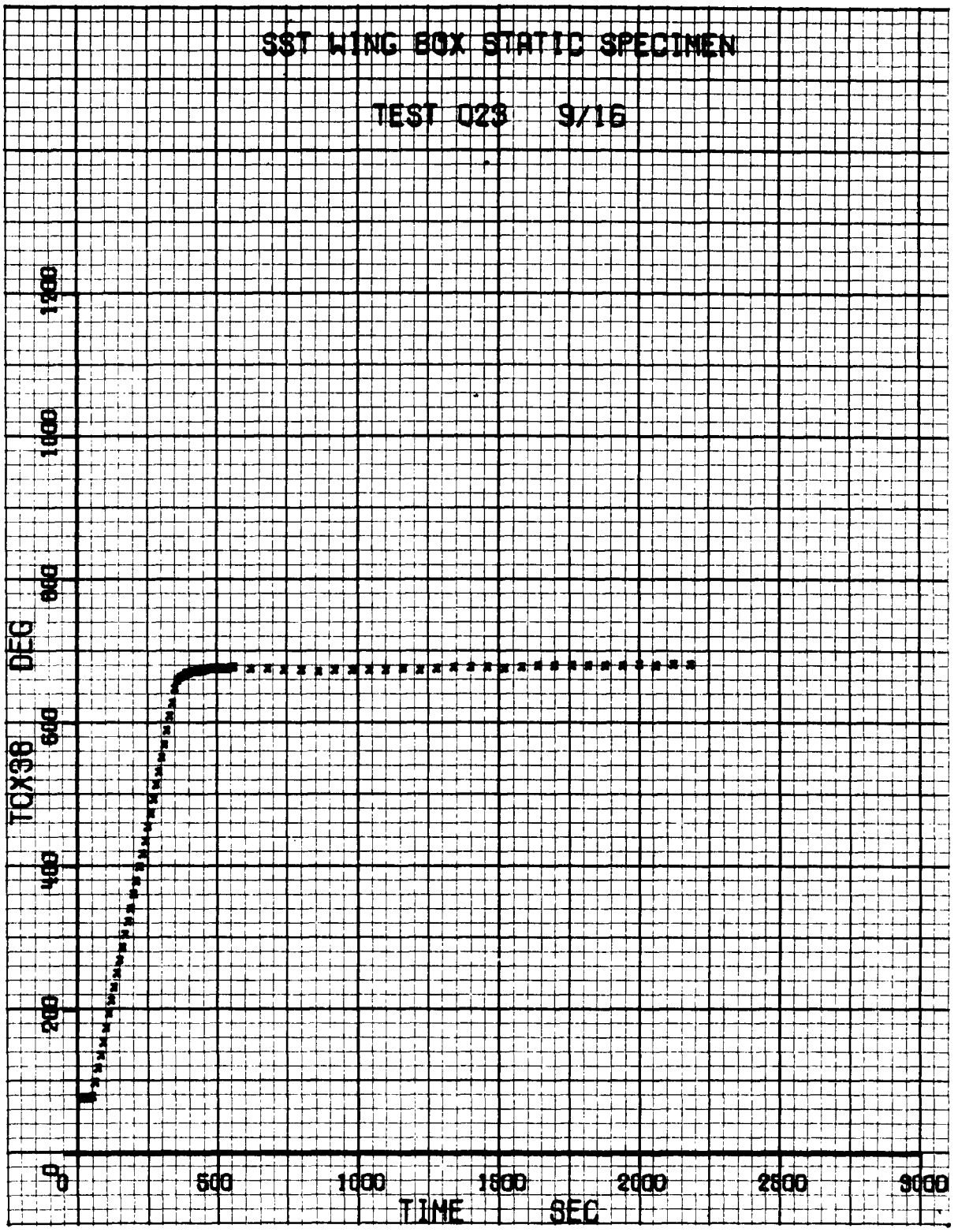
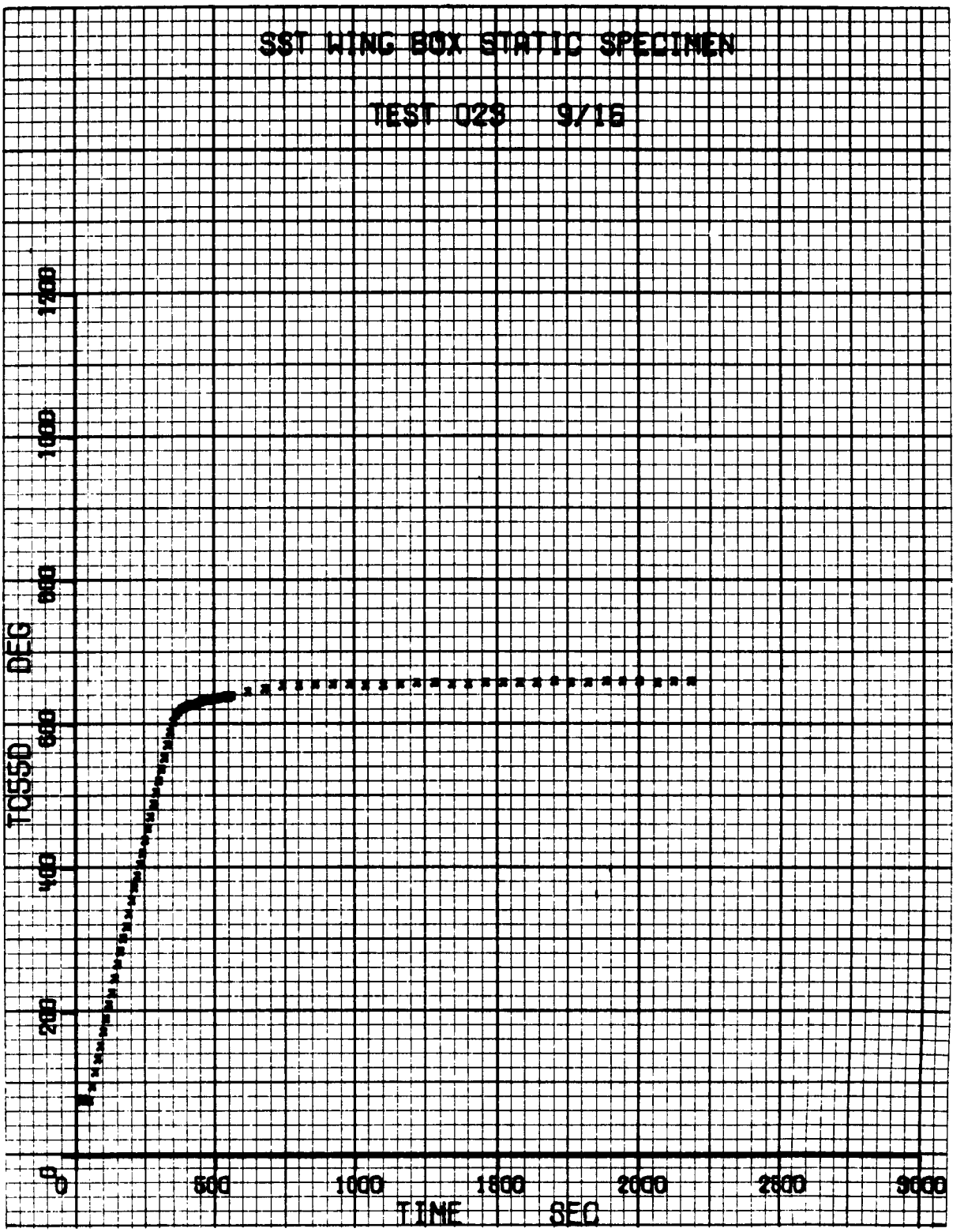
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TQX39 DEG
0
200
400
600
800
1000
1200
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TOSSE DEG
1200
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TCX38 DEG
1200
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000
TIME SEC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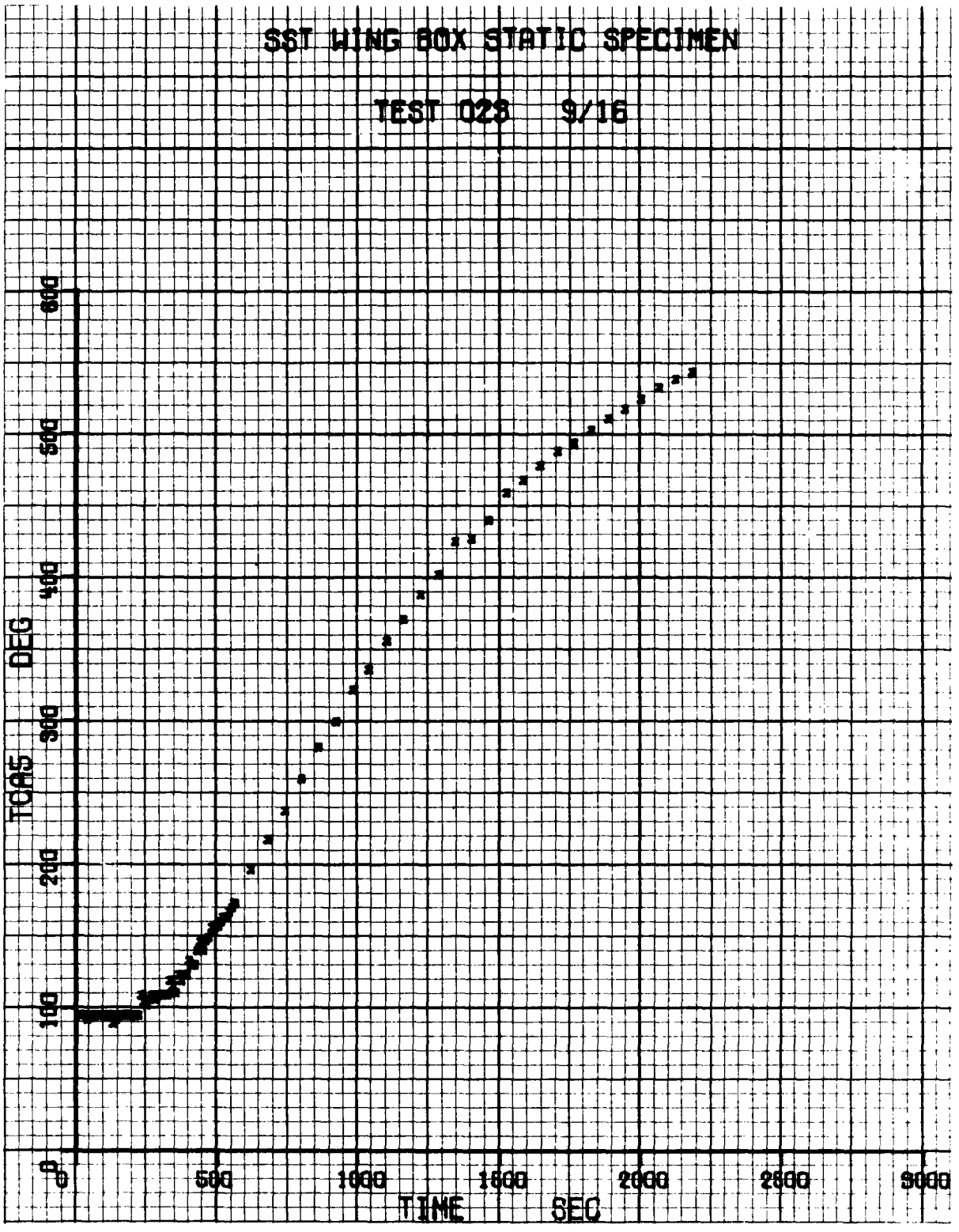
TIME SEC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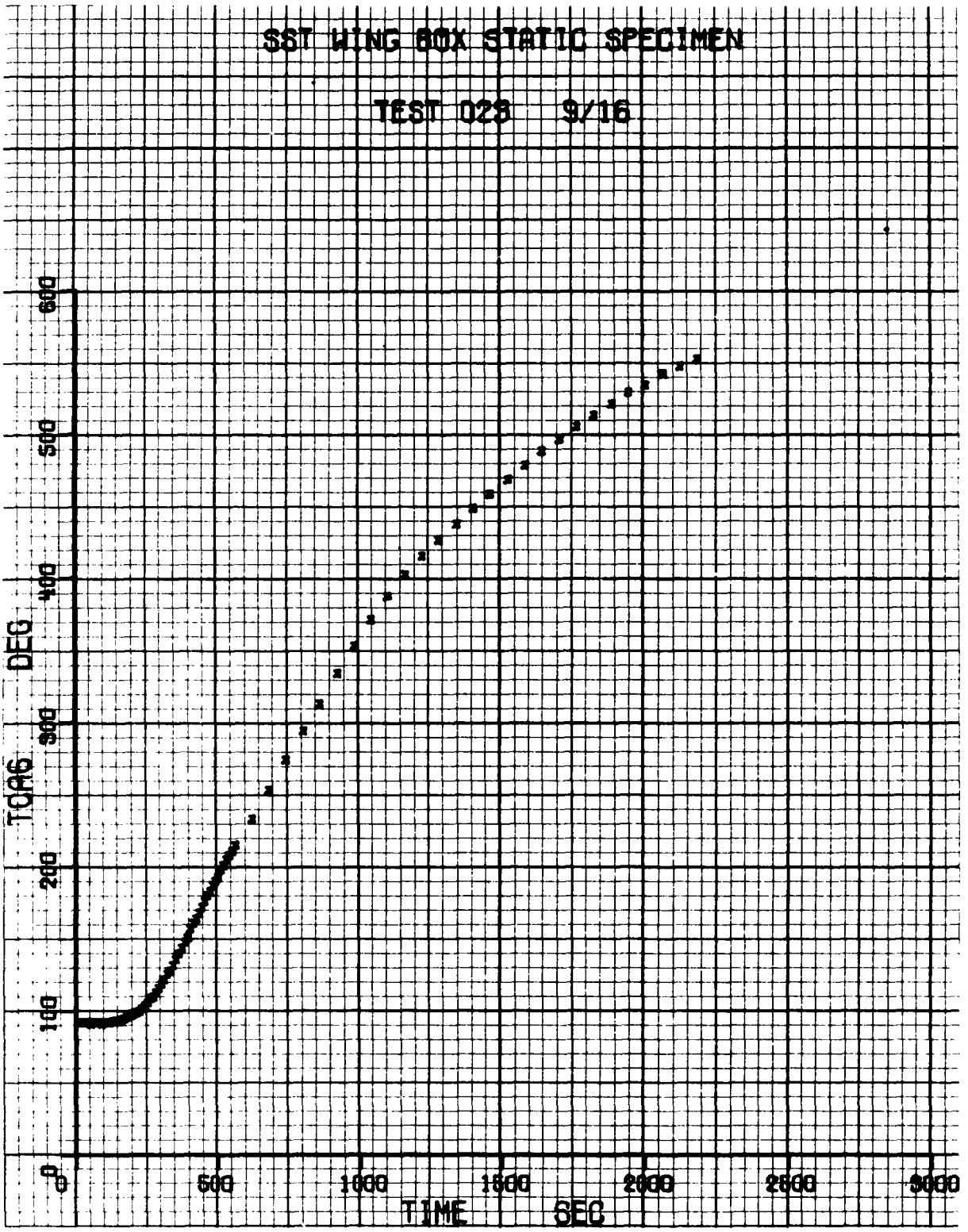
TIME SEC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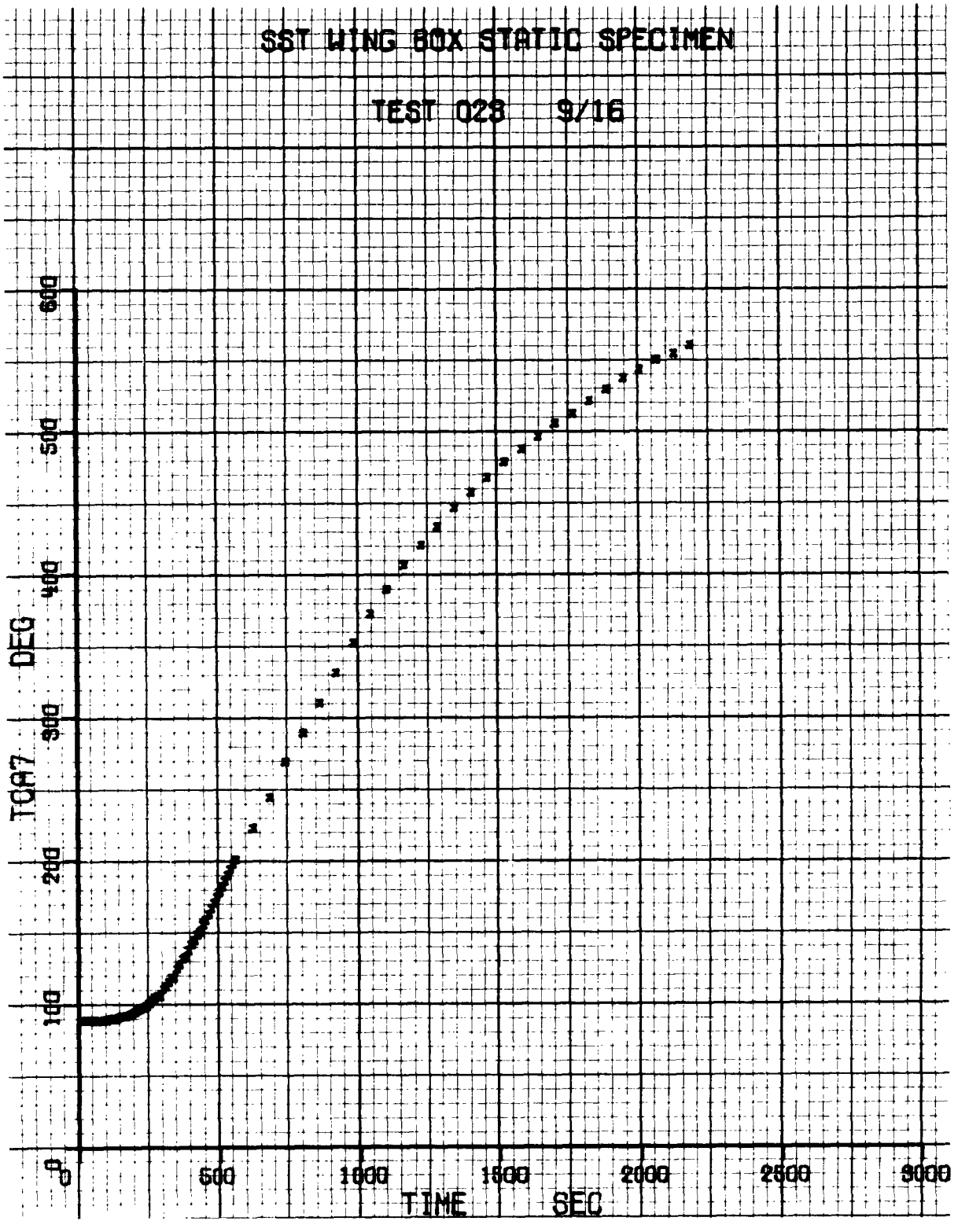
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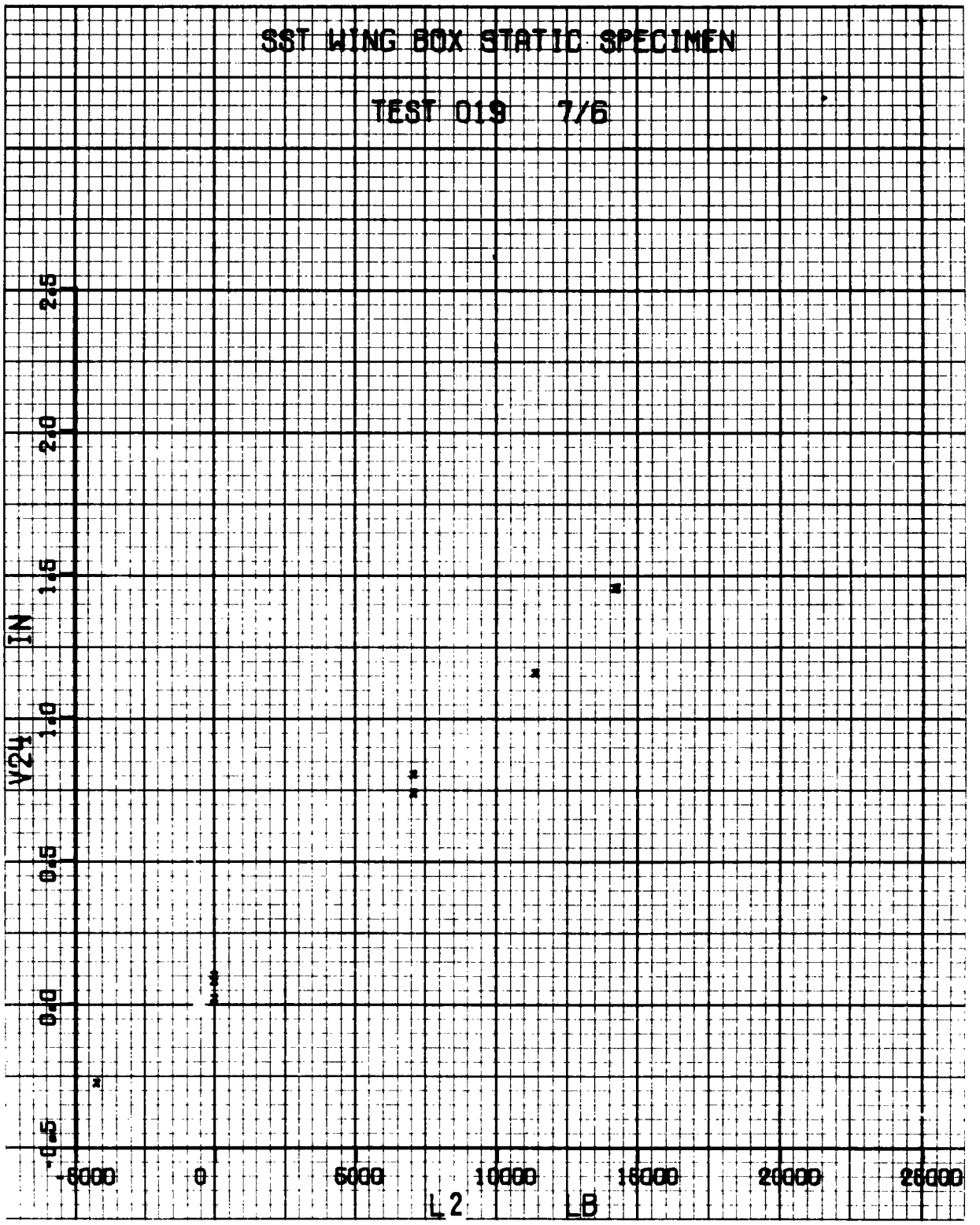
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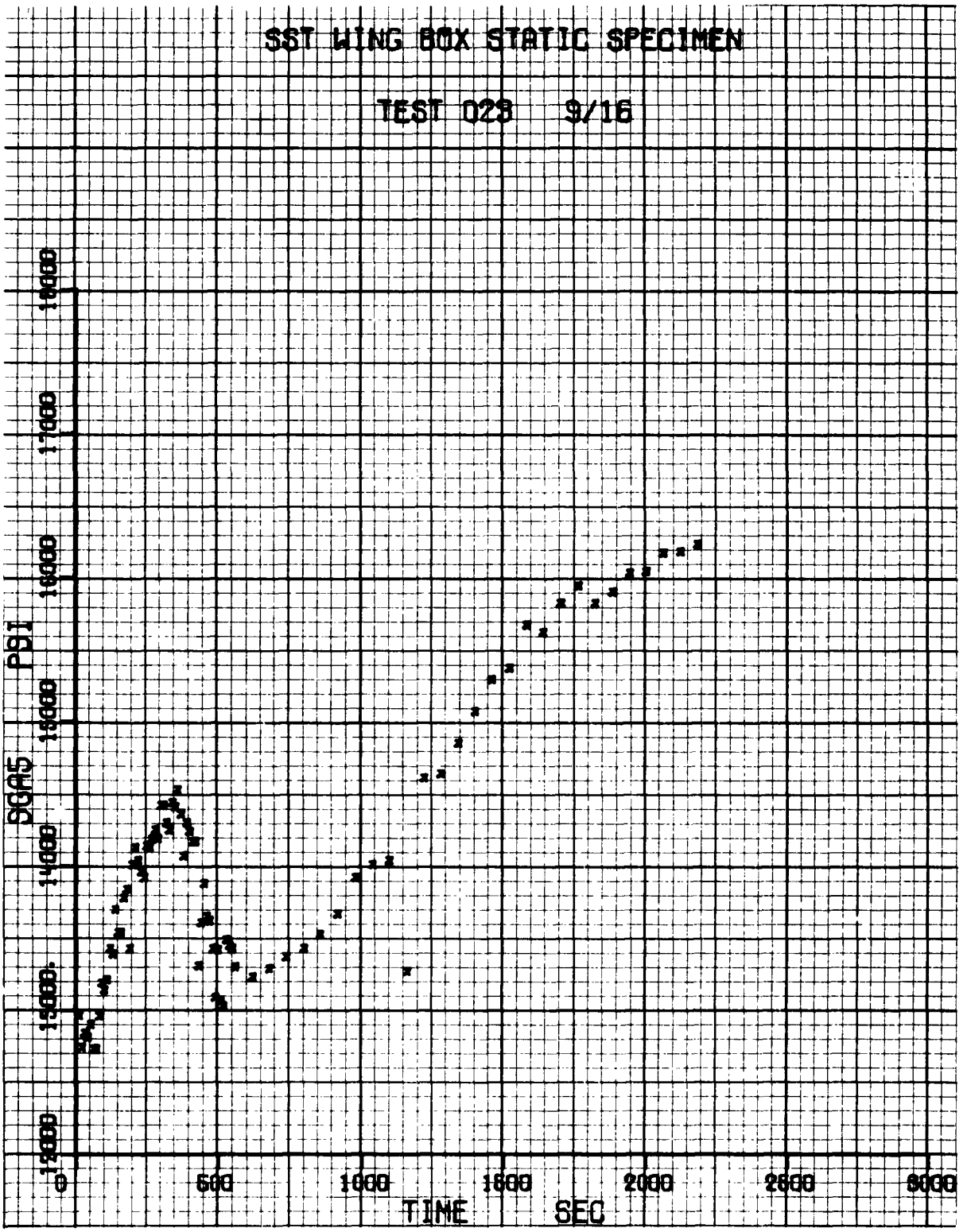
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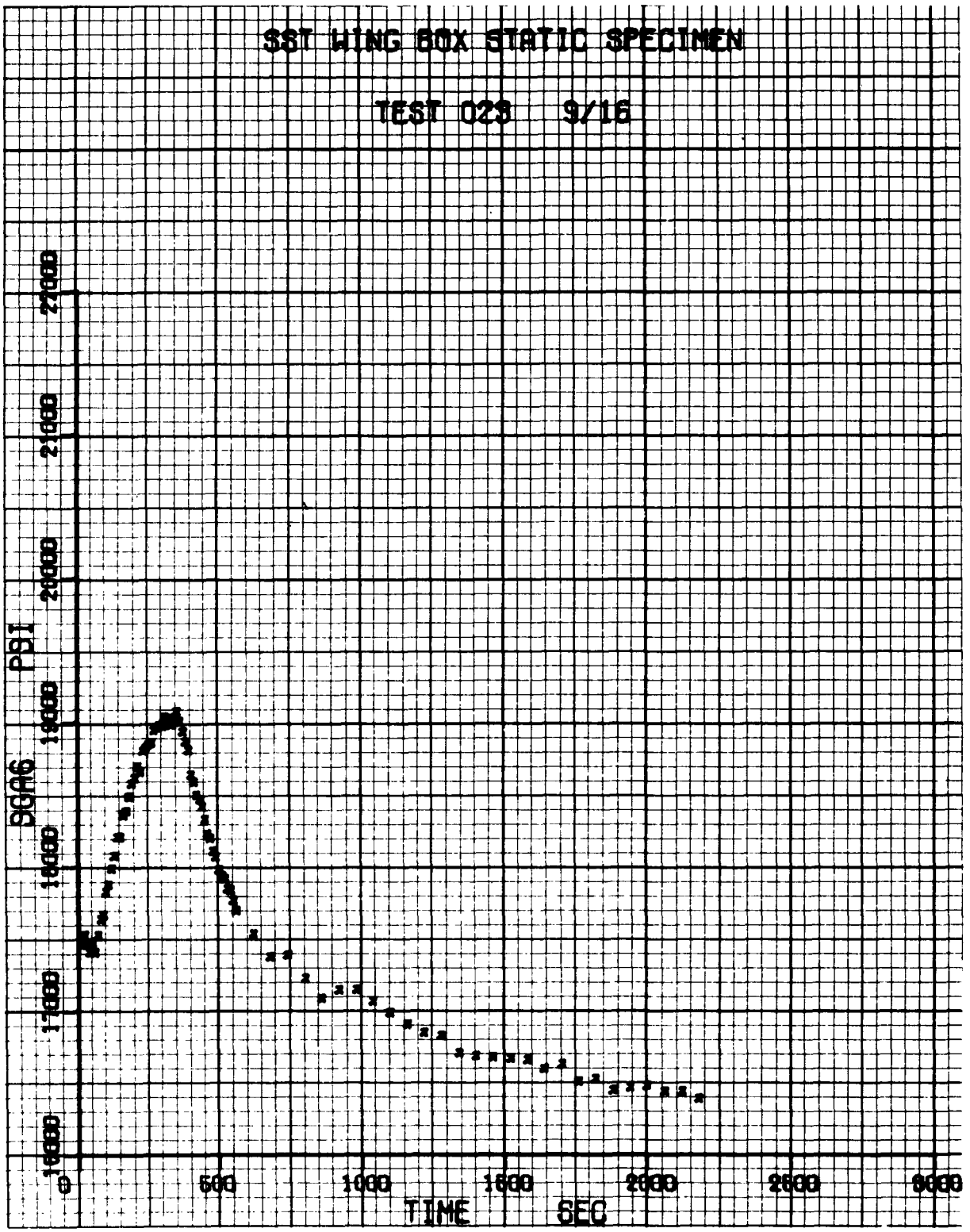
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TIME
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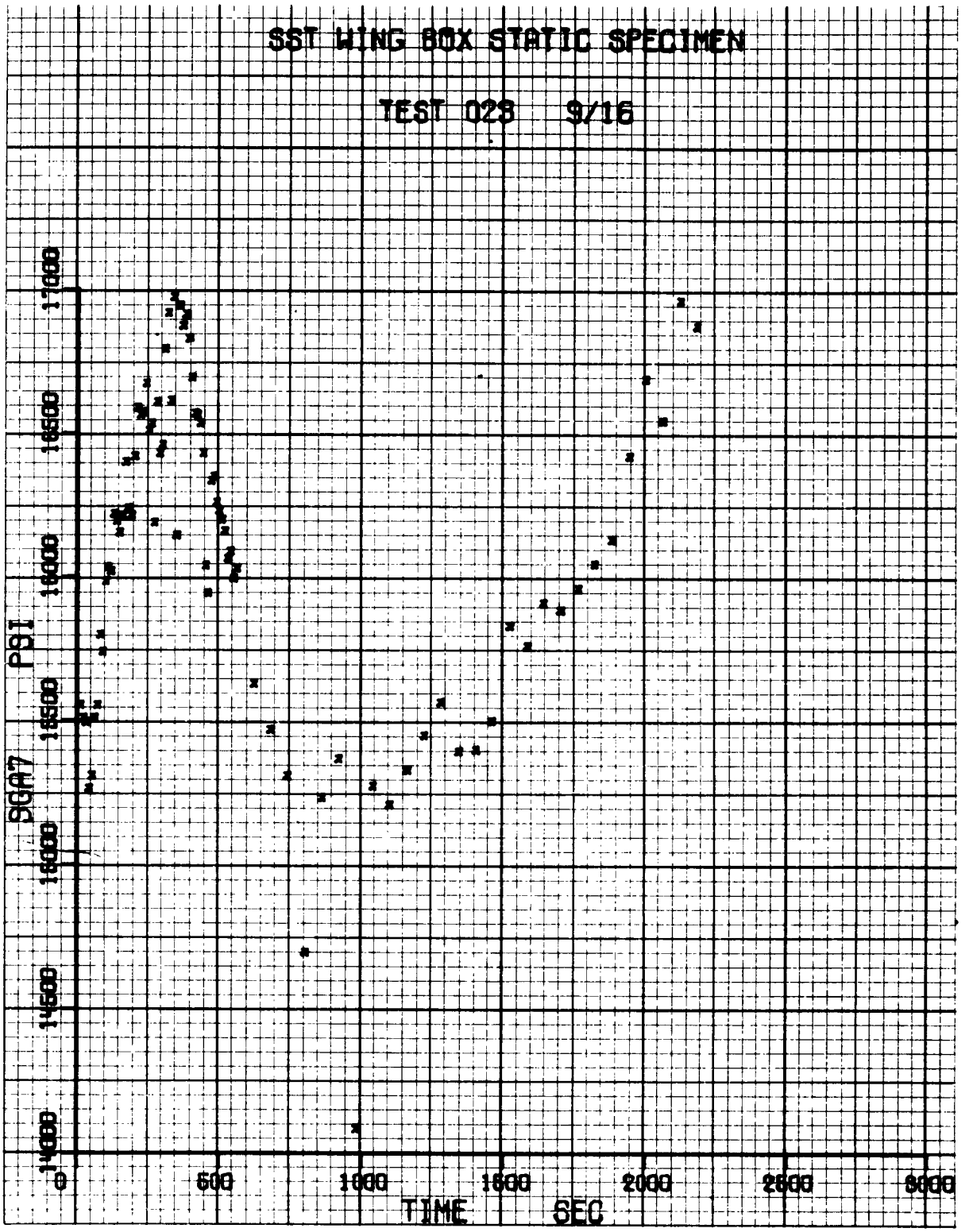
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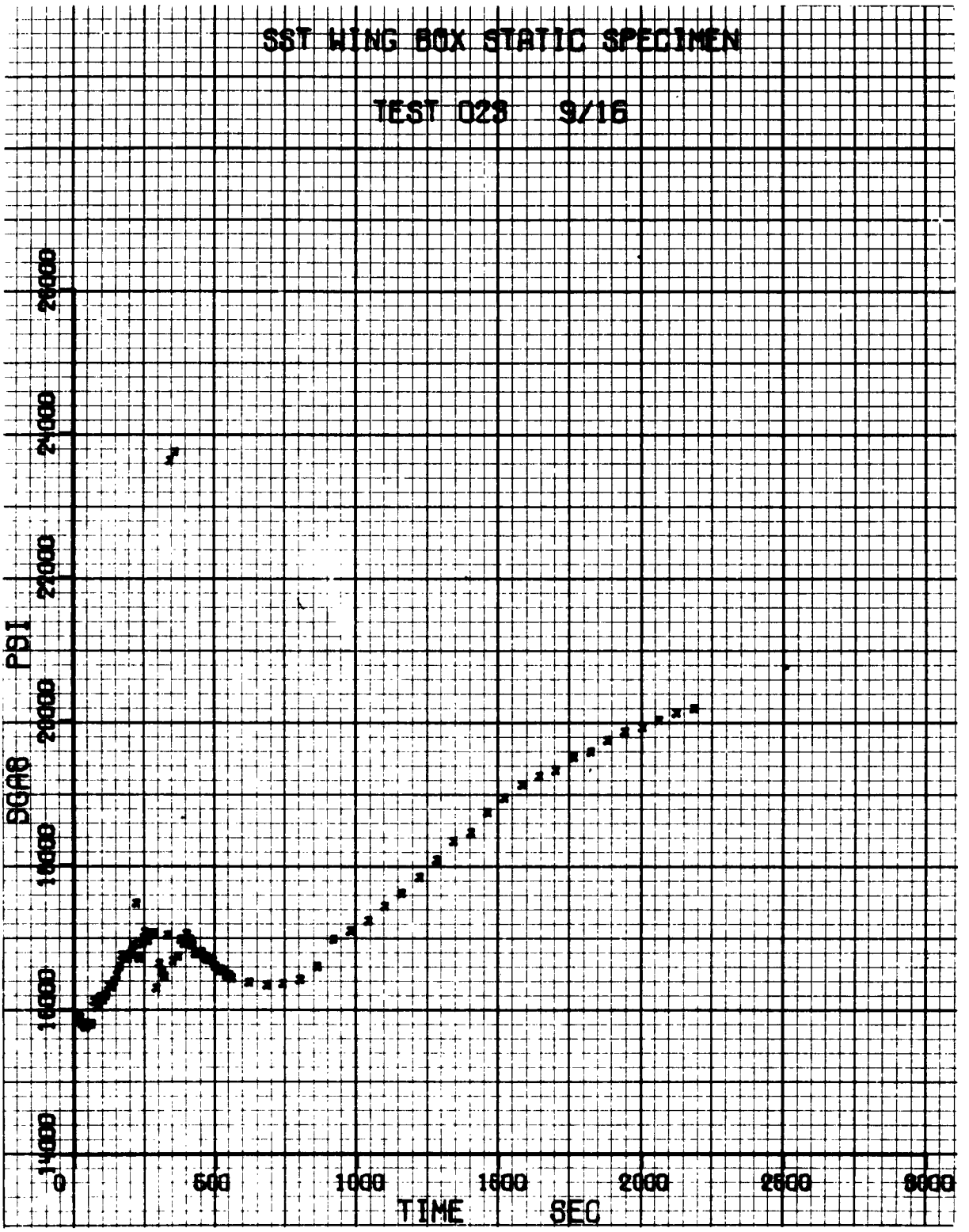
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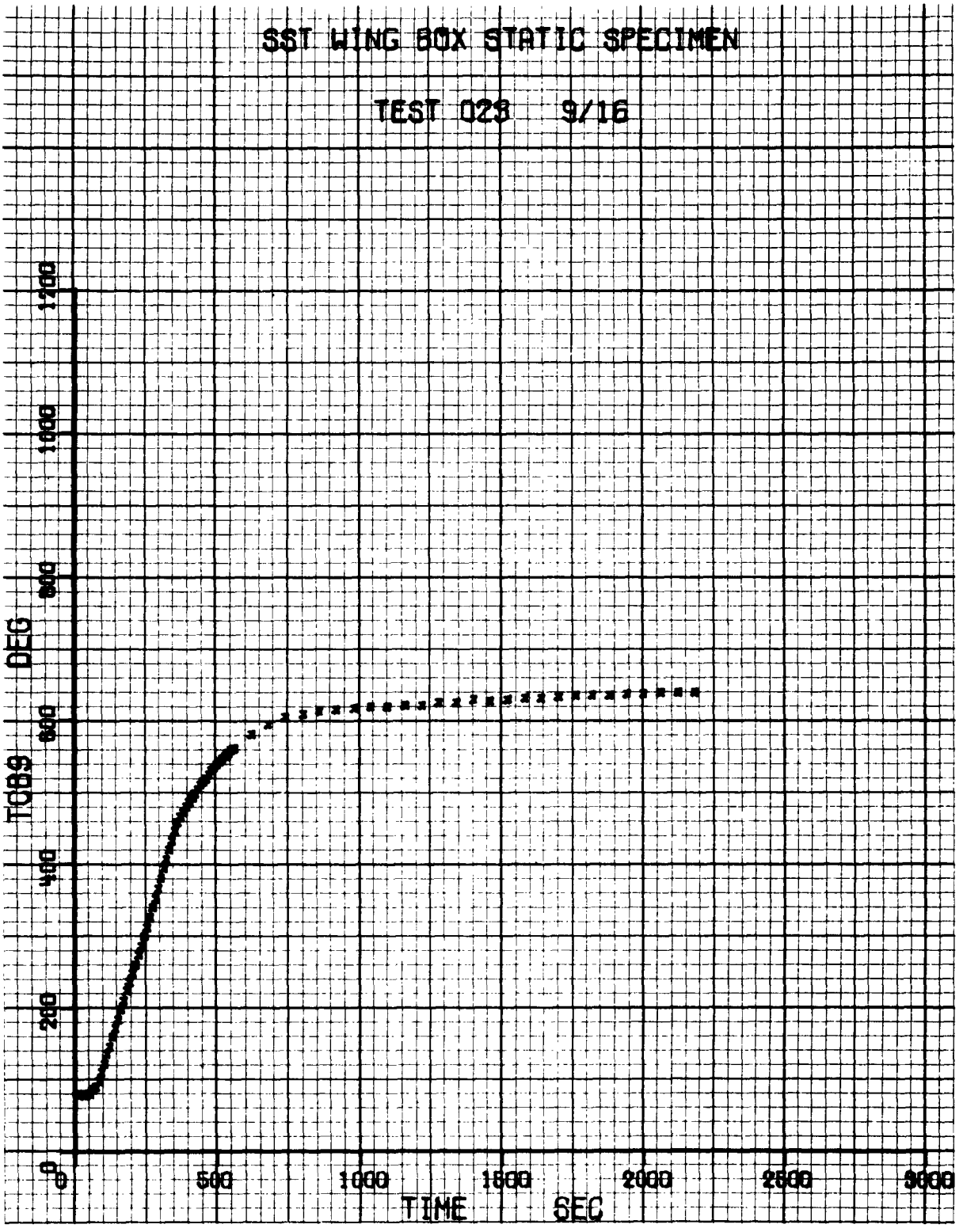
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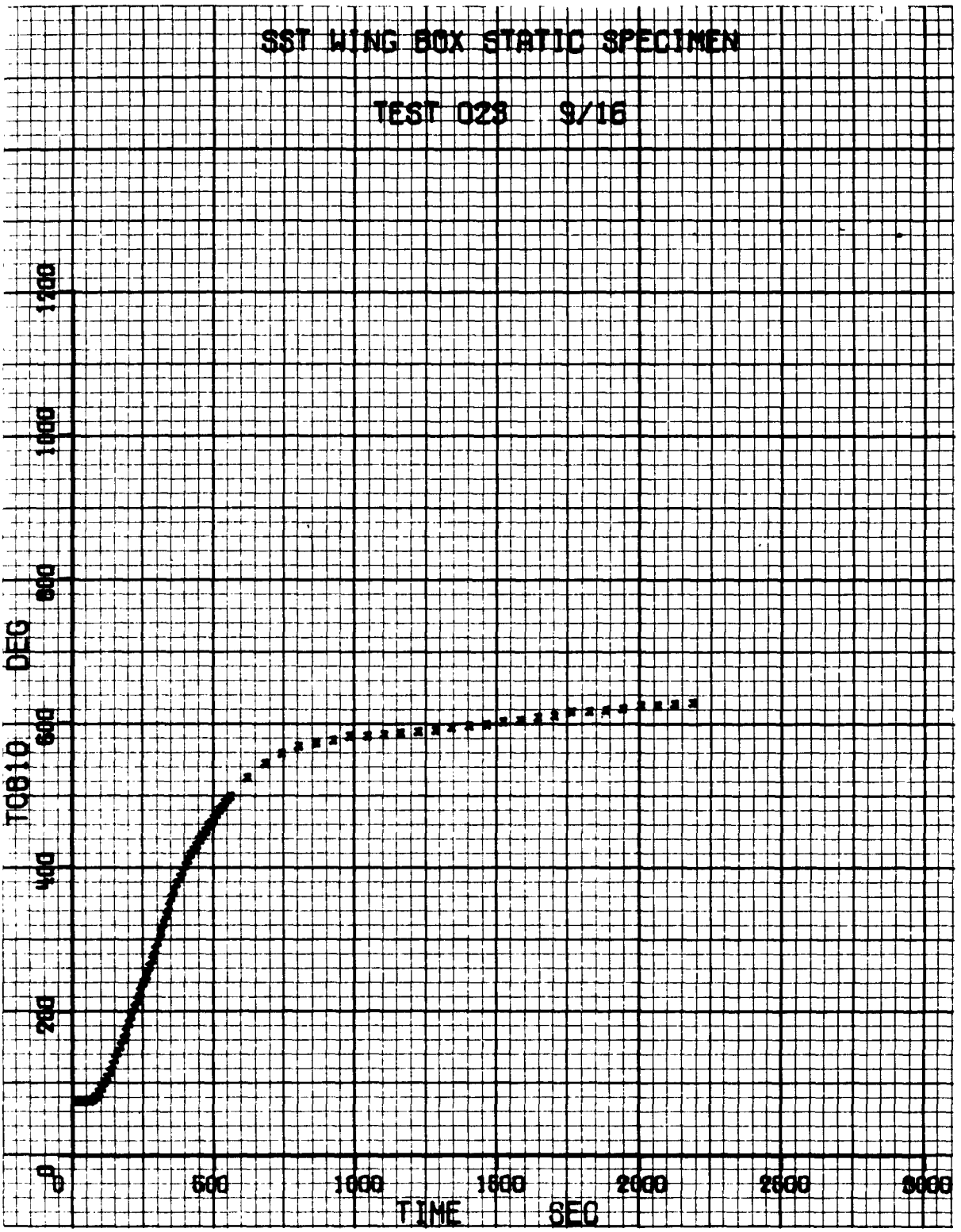
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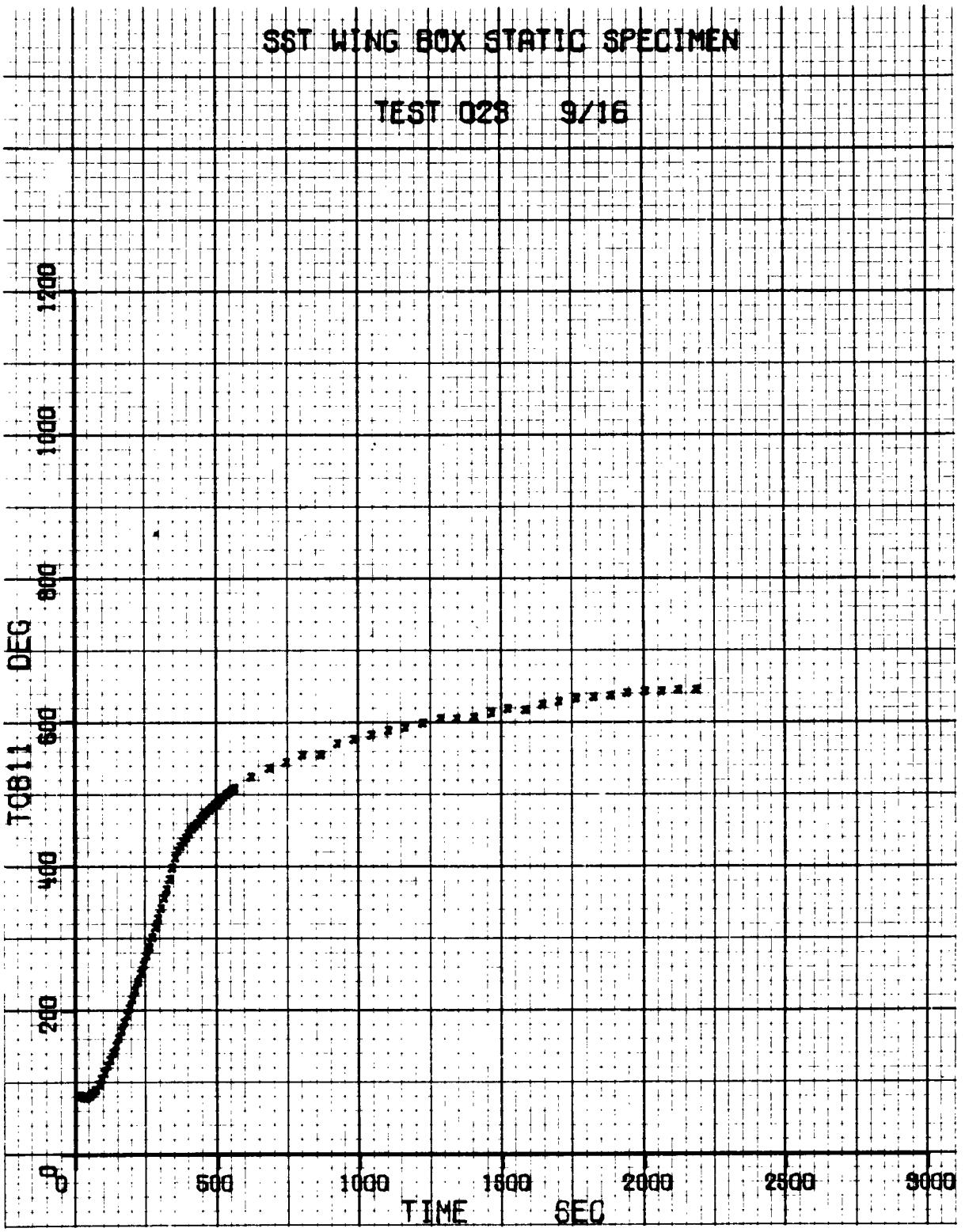
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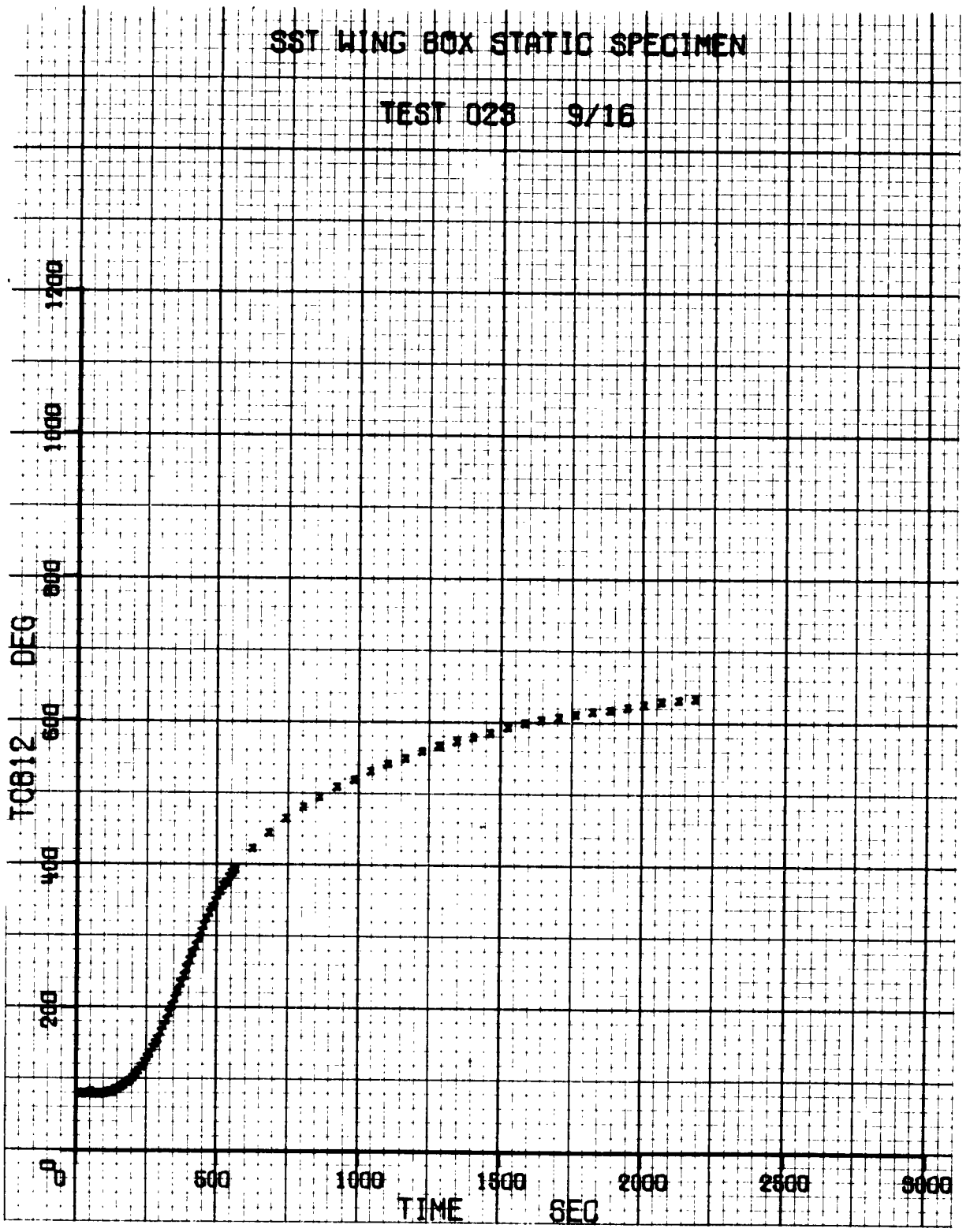
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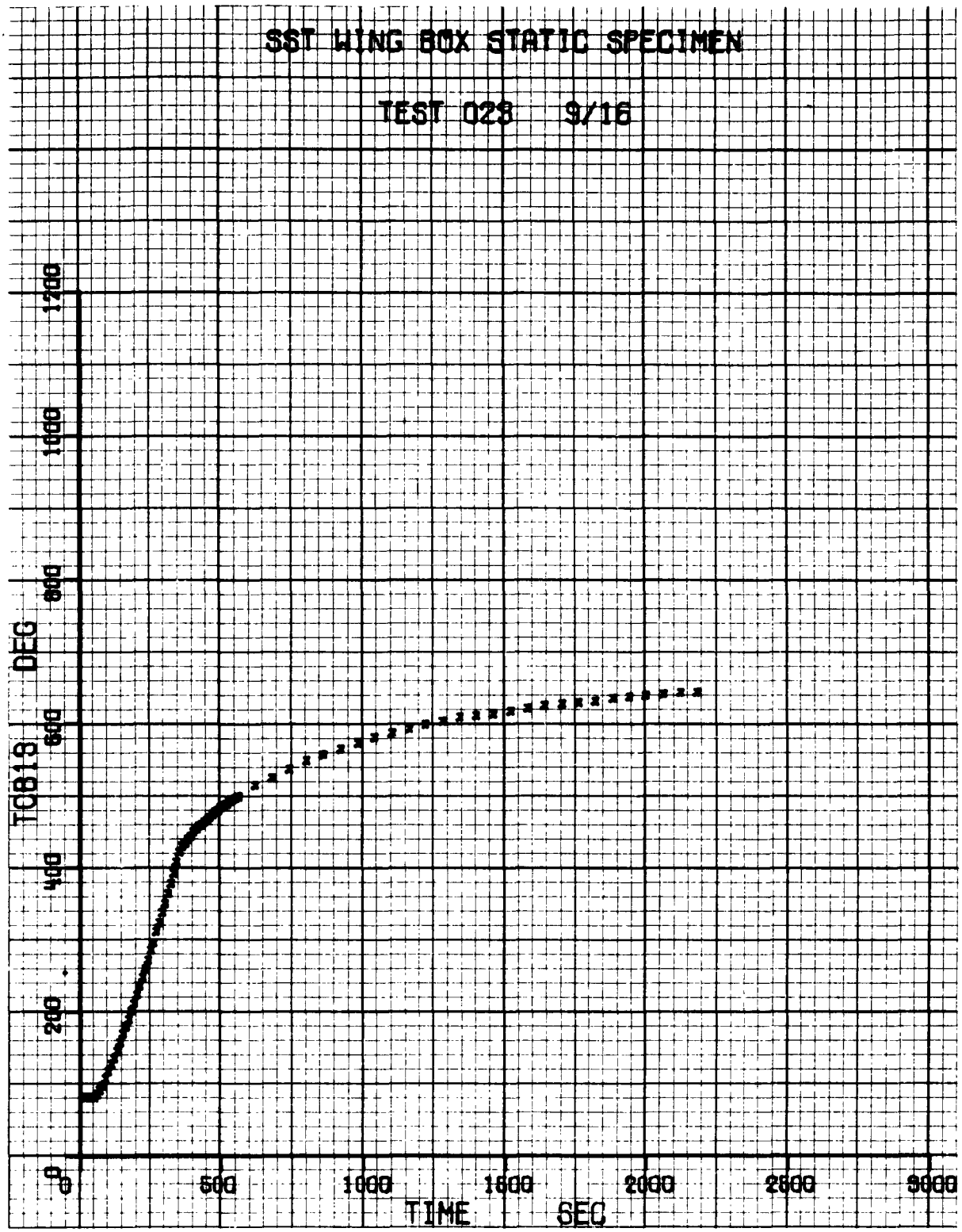
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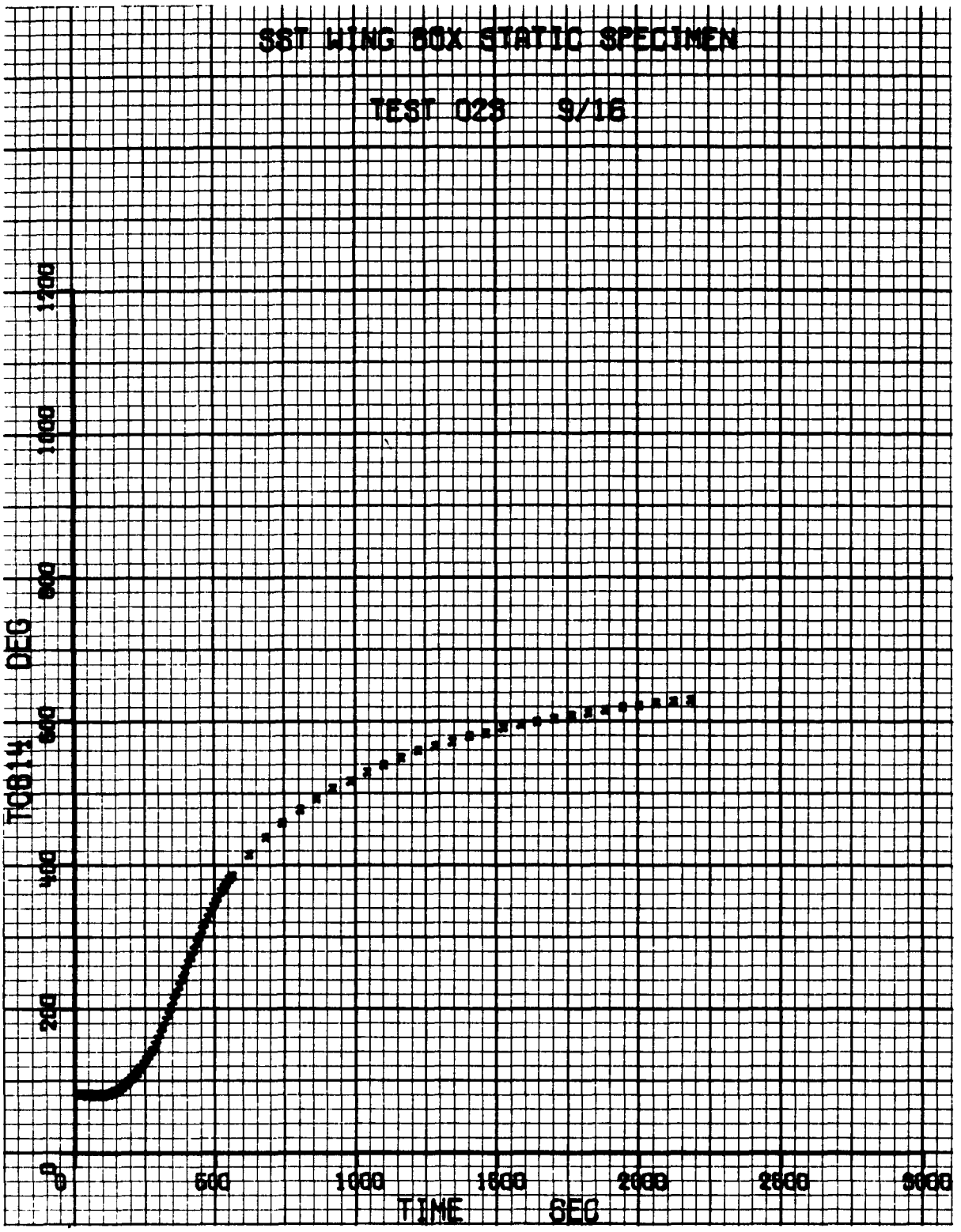
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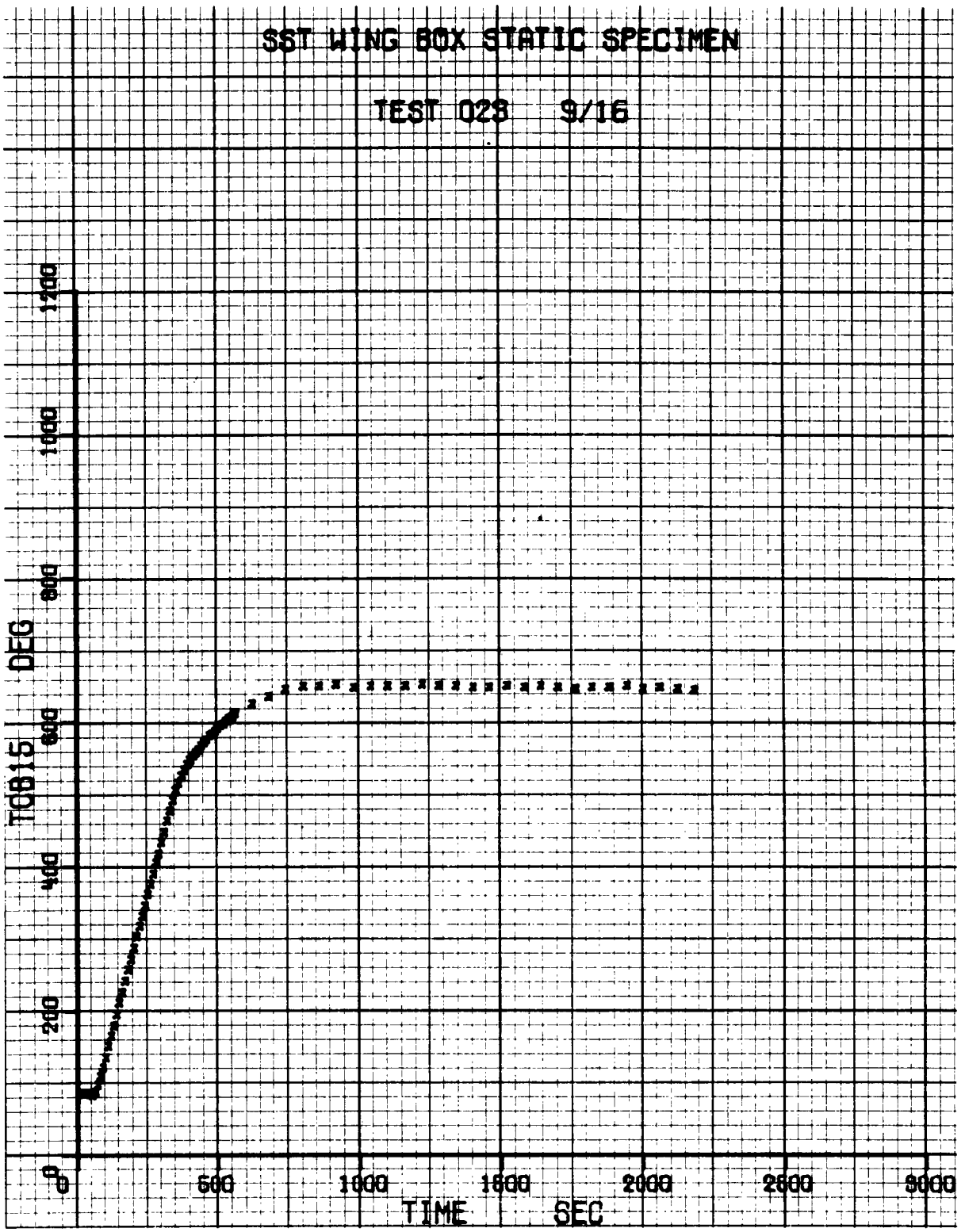
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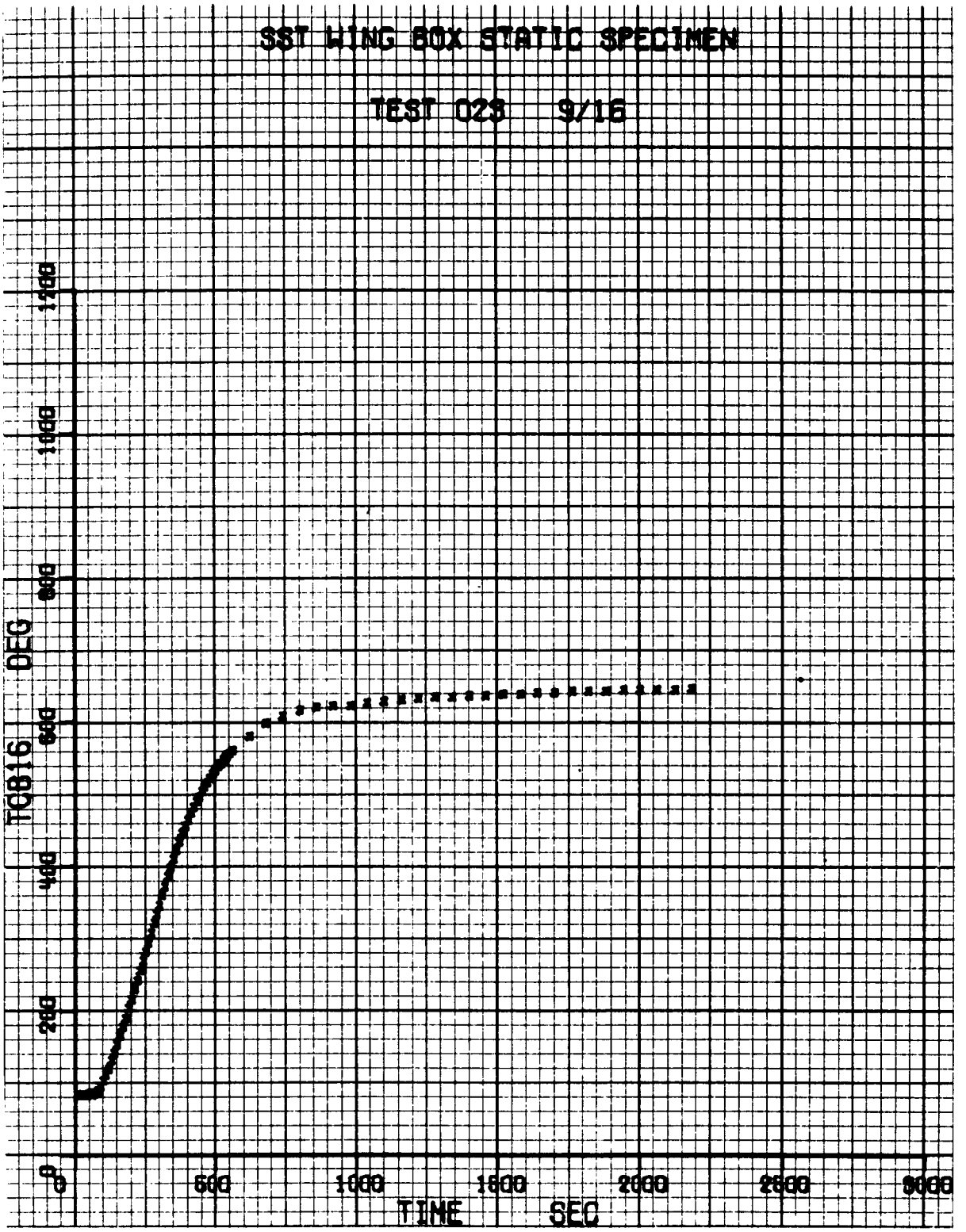
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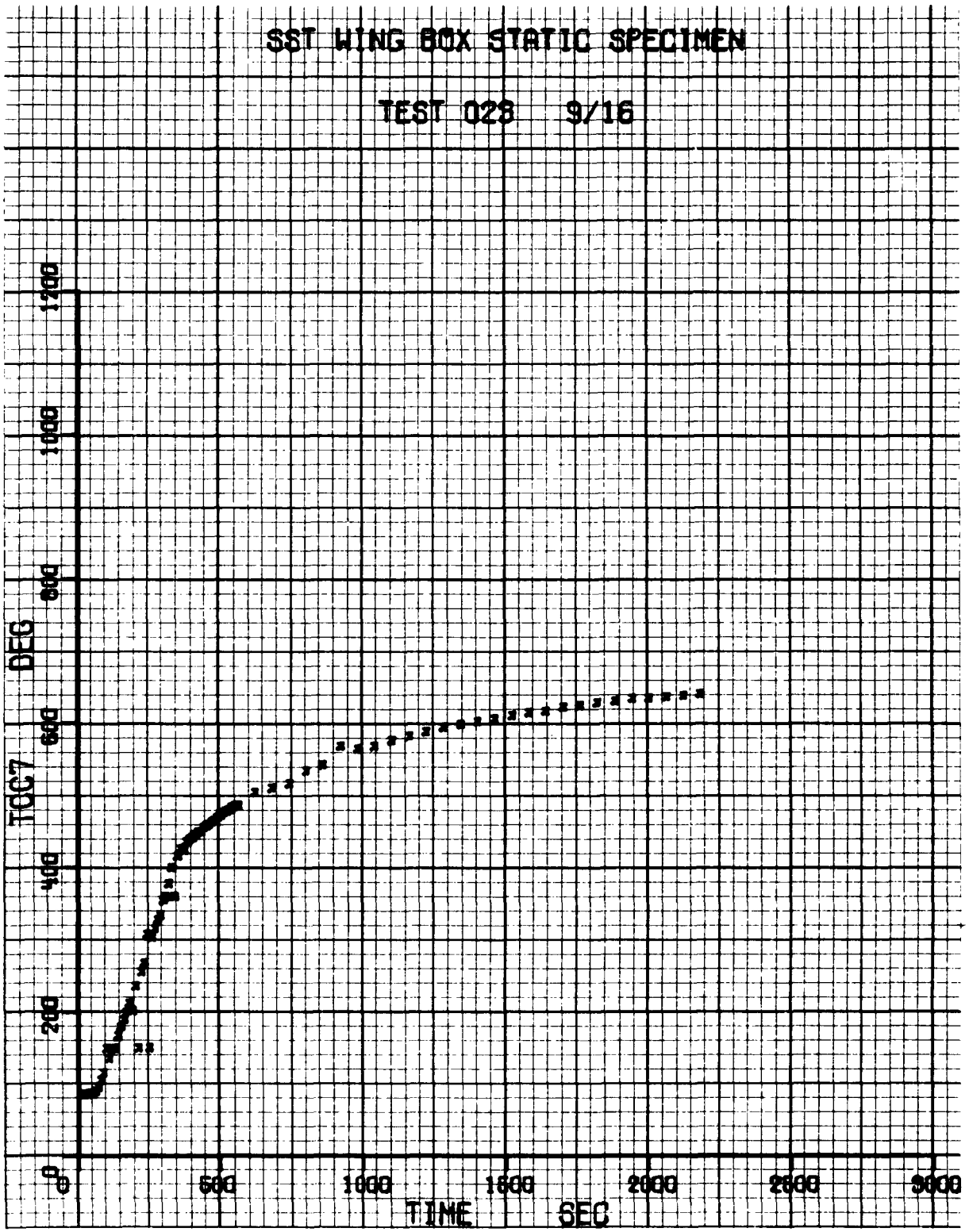
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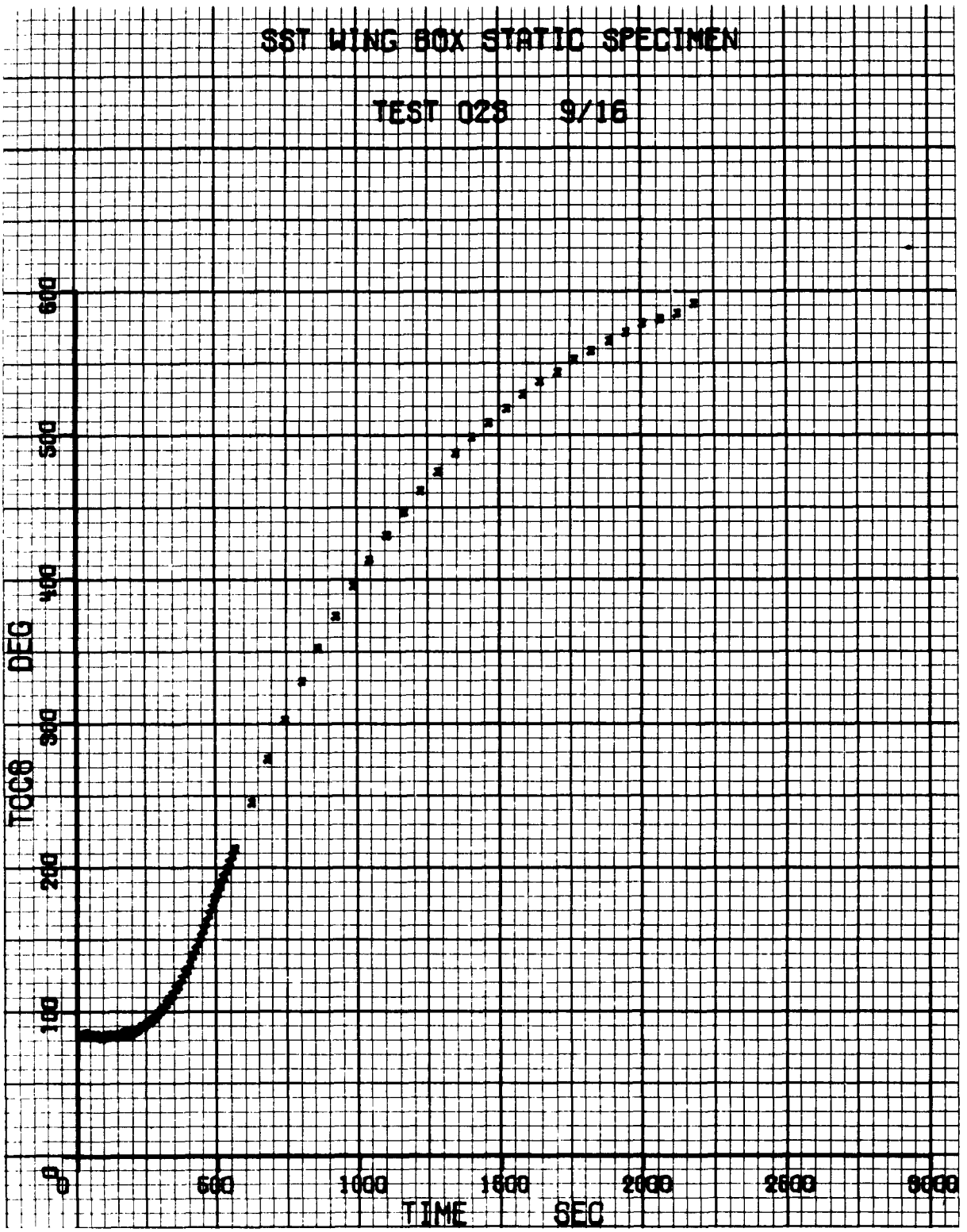
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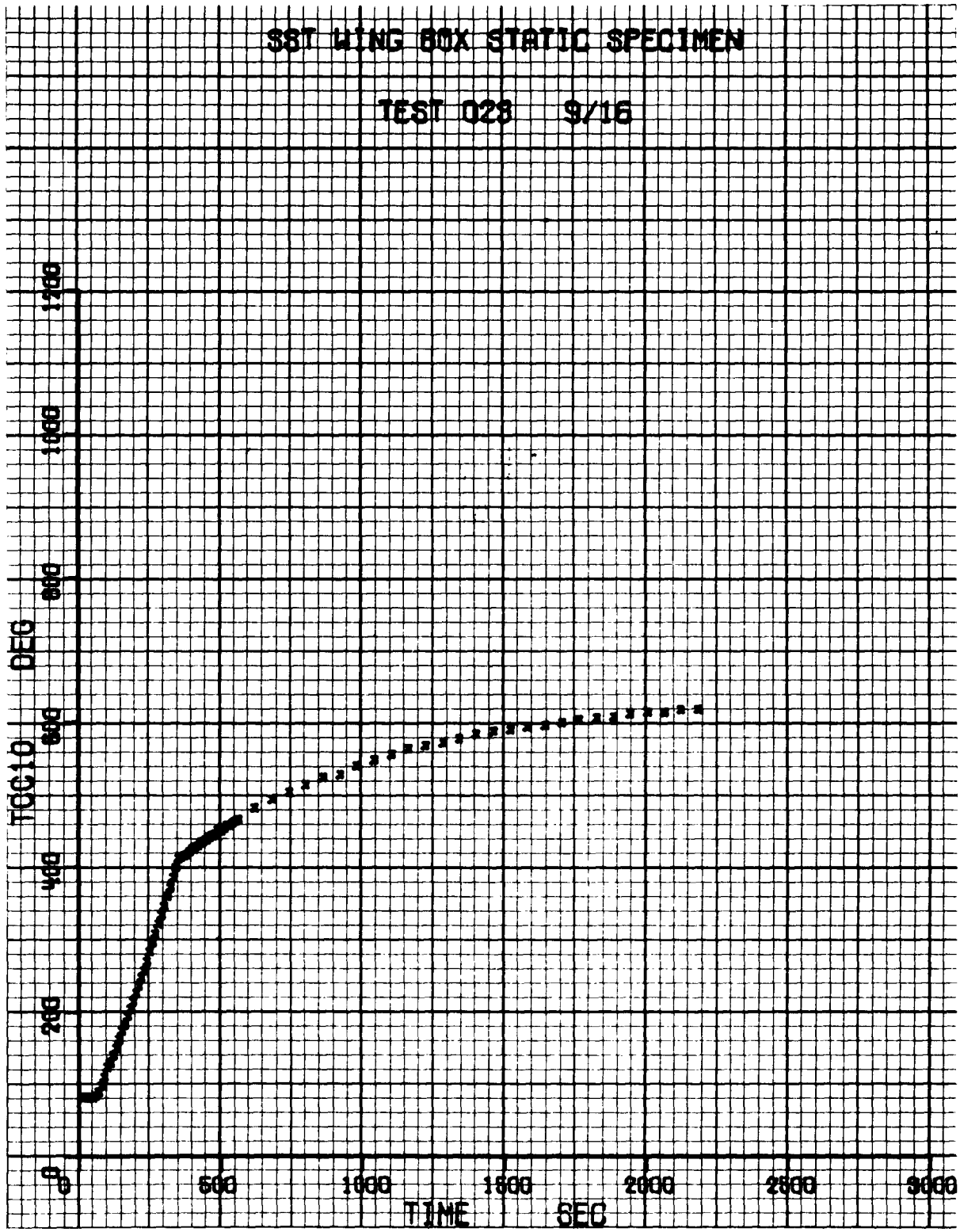
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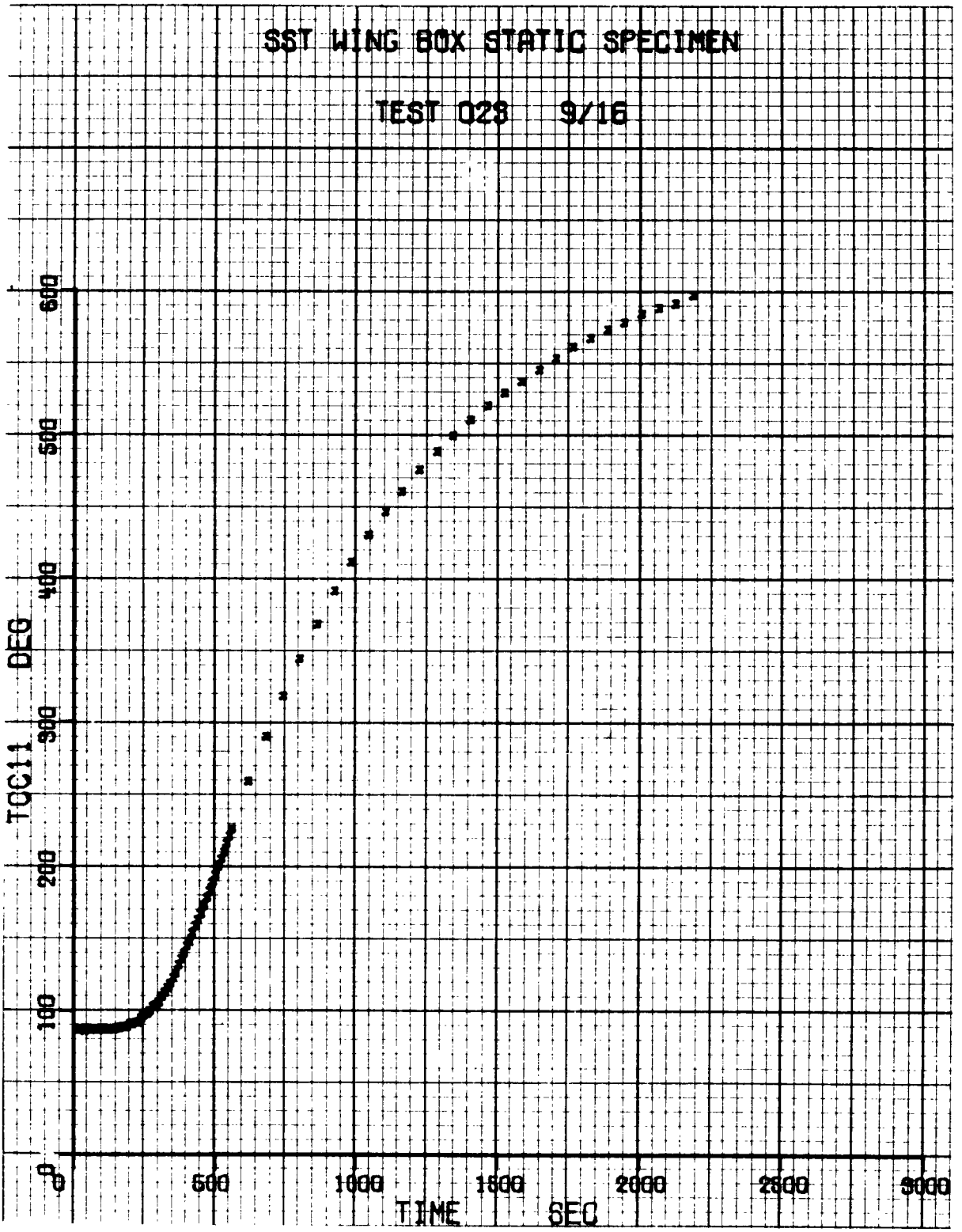
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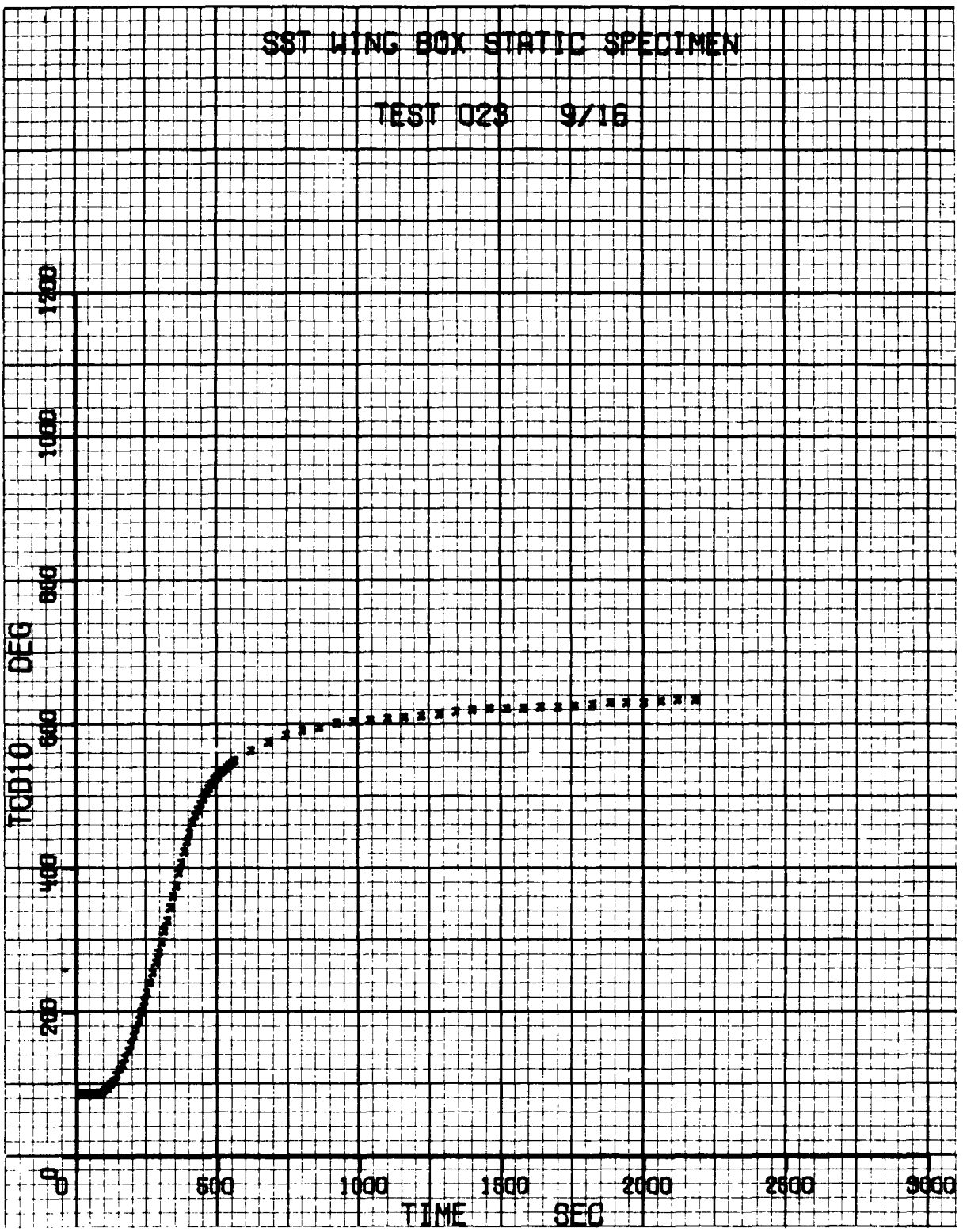
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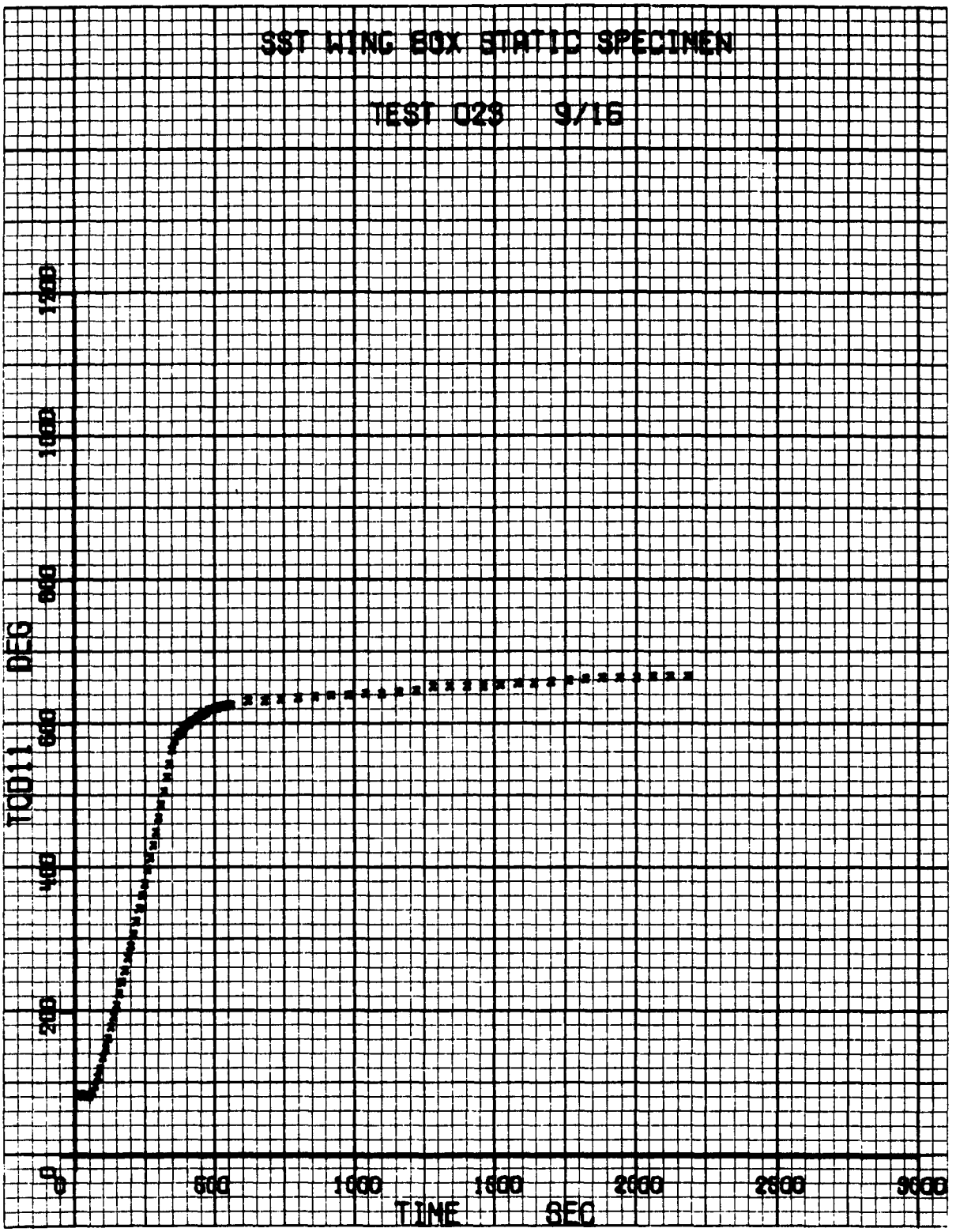
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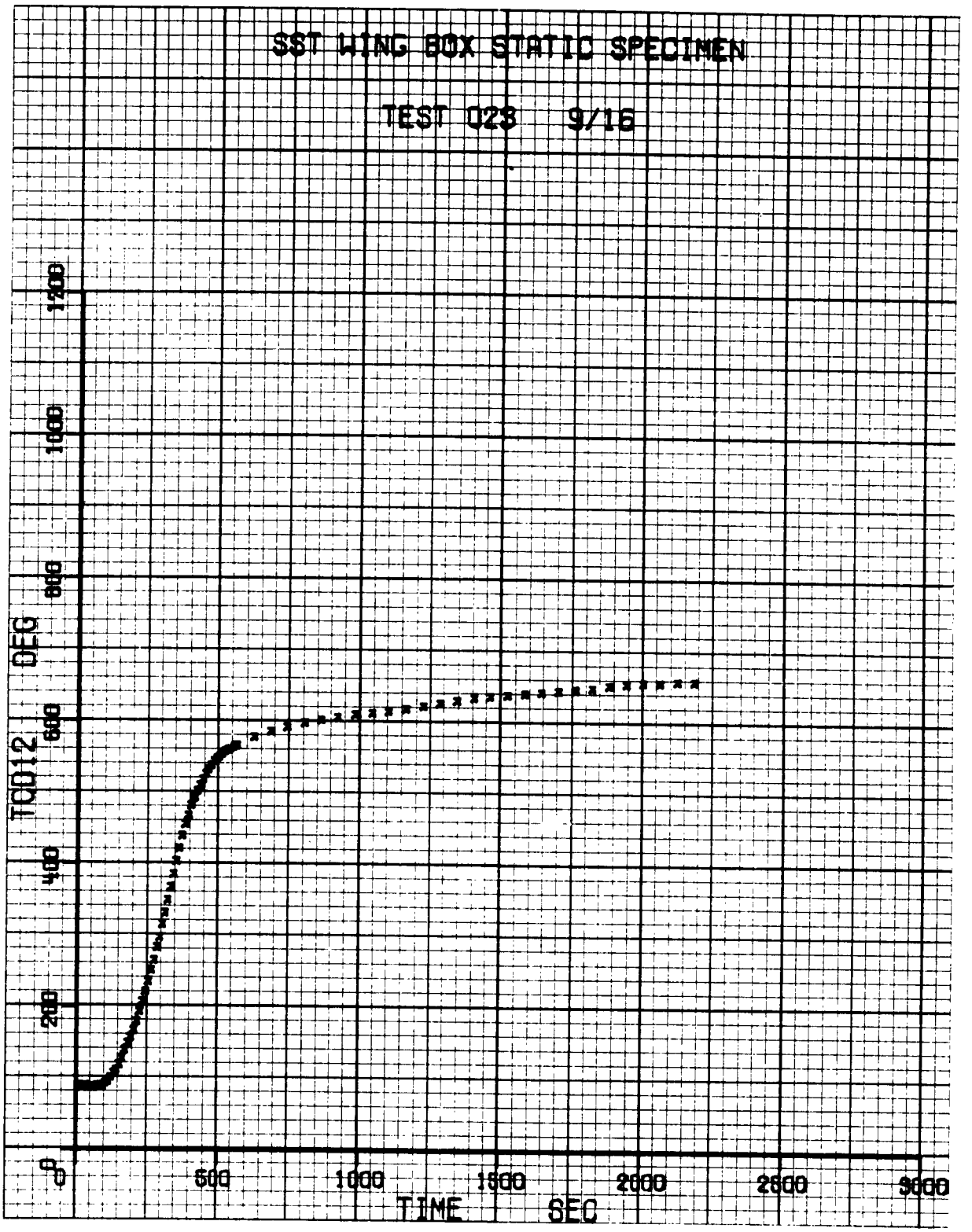
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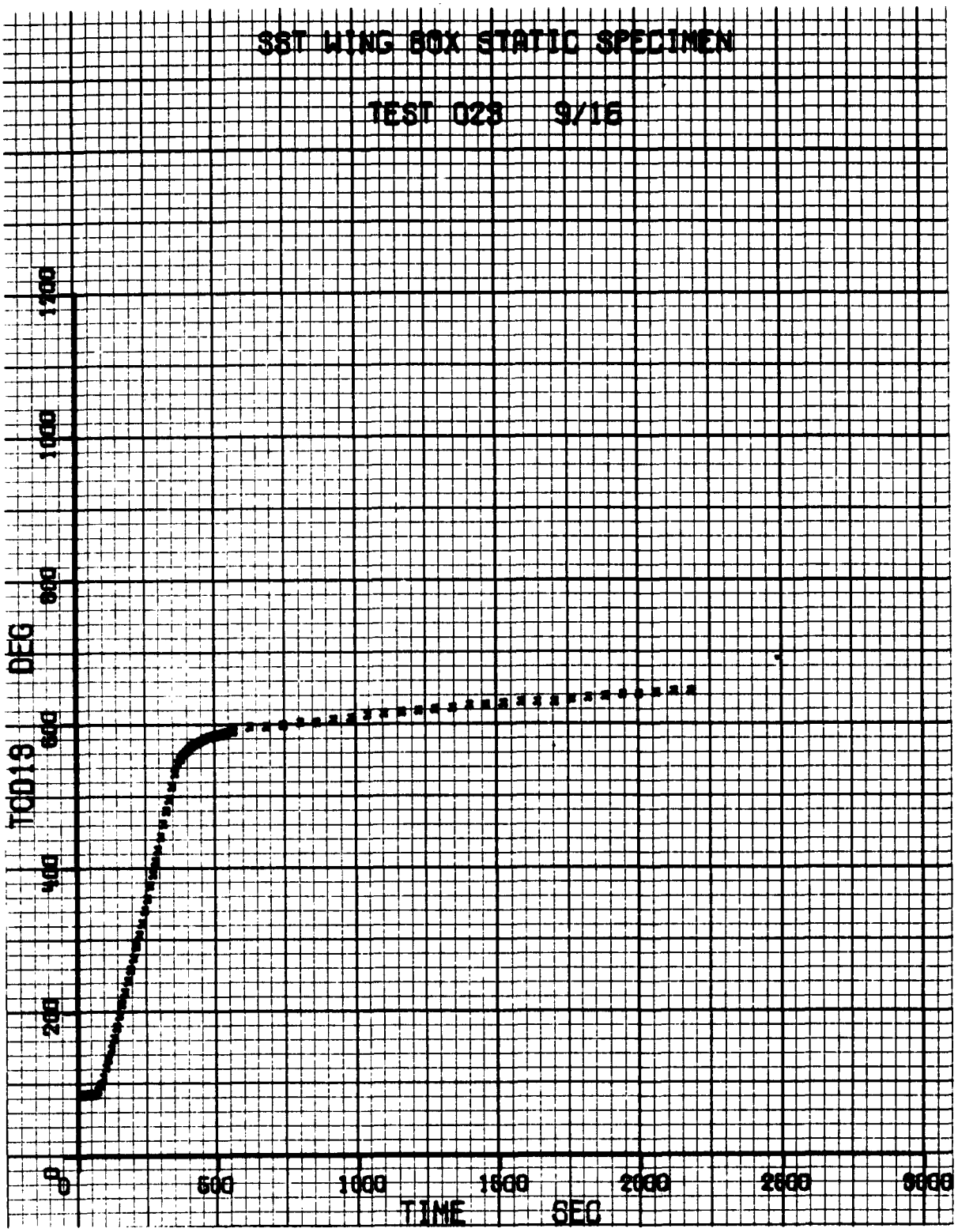
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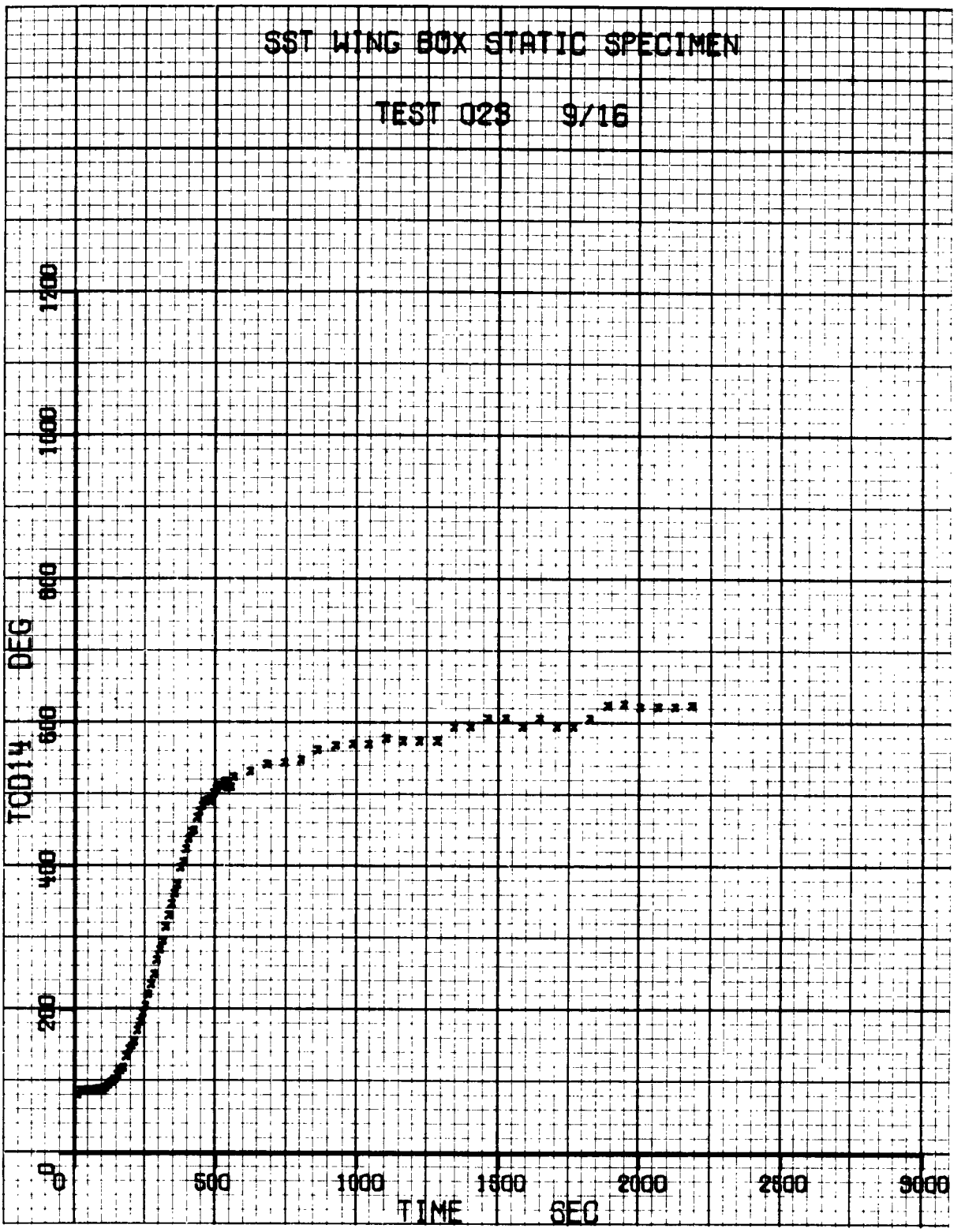
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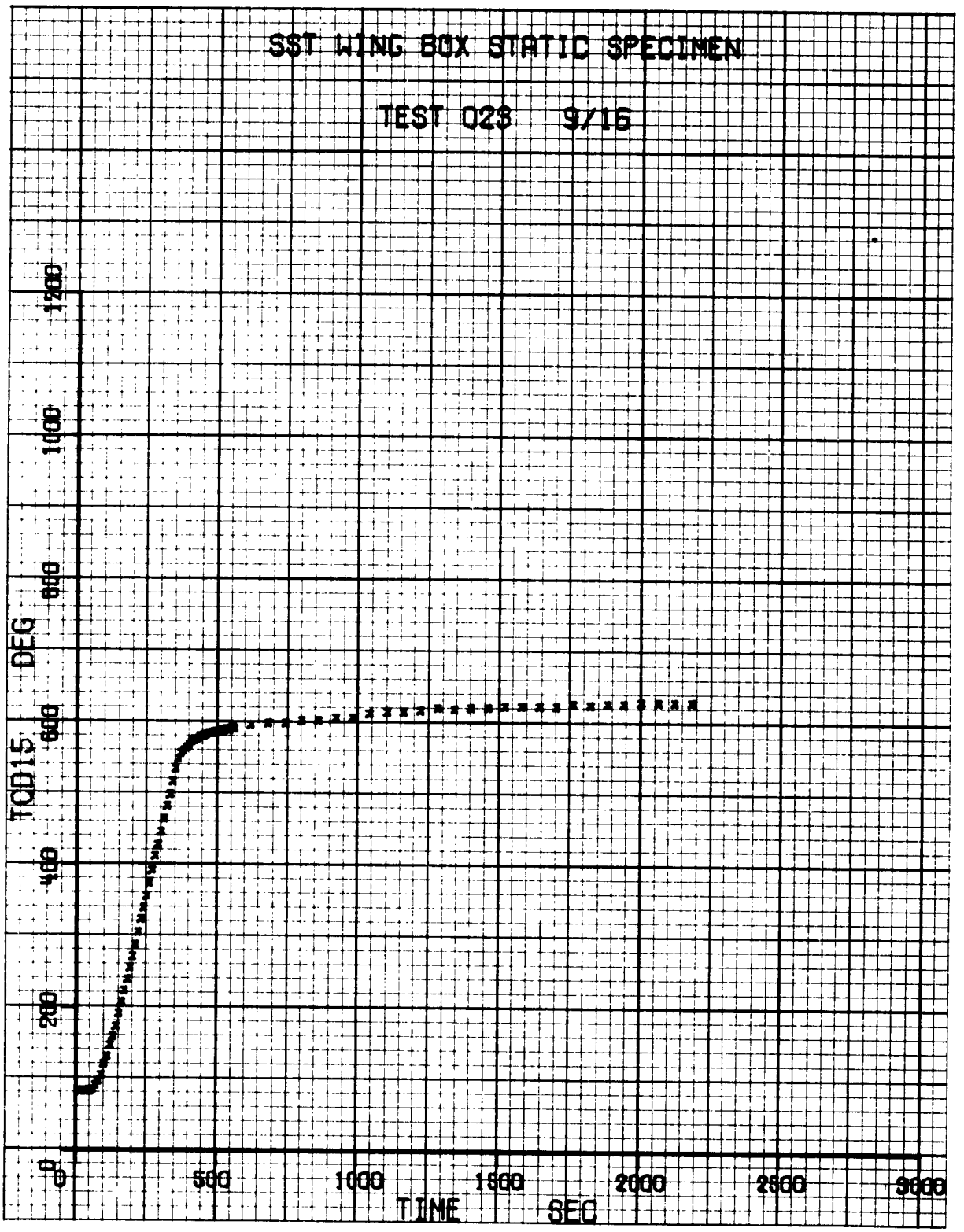
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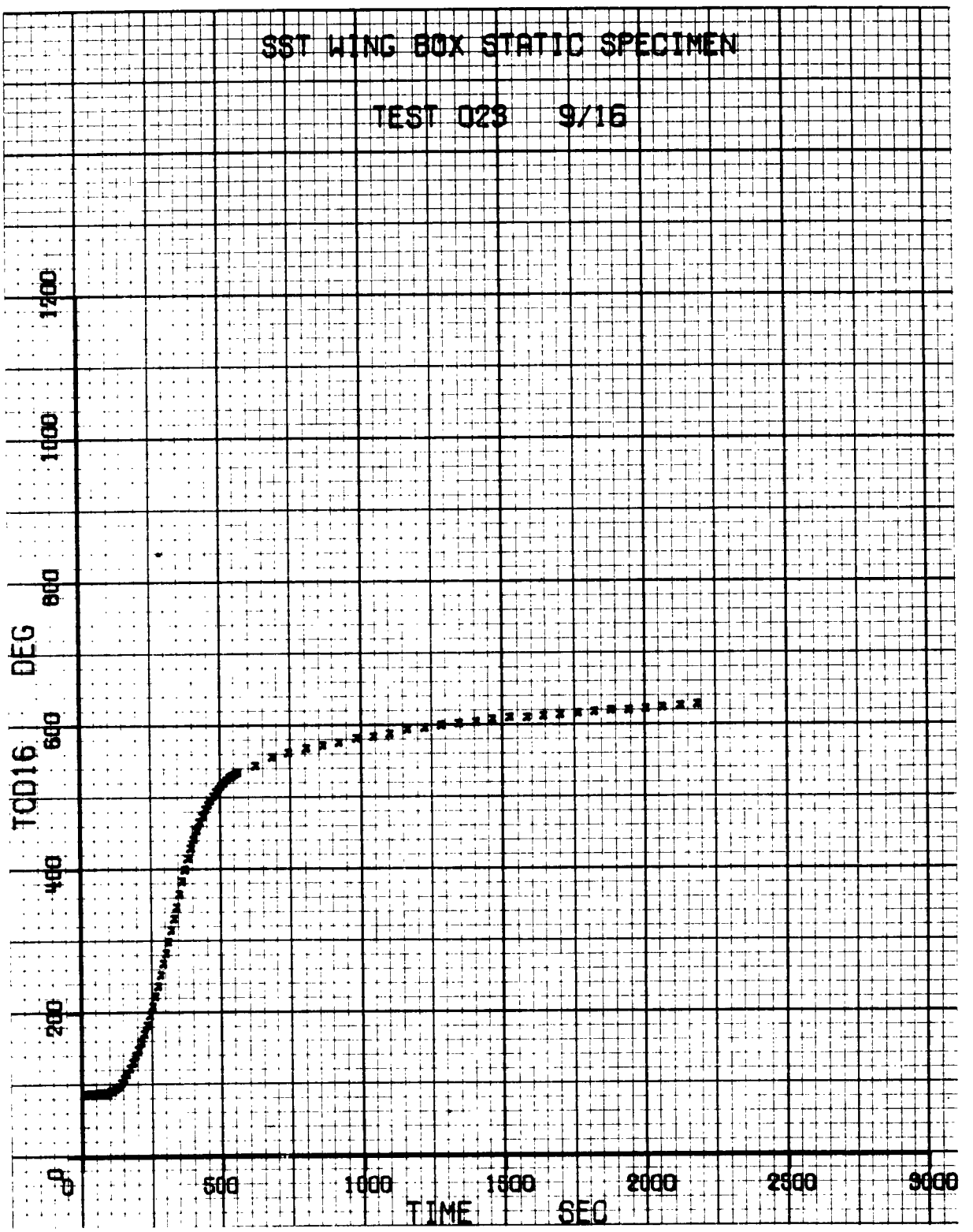
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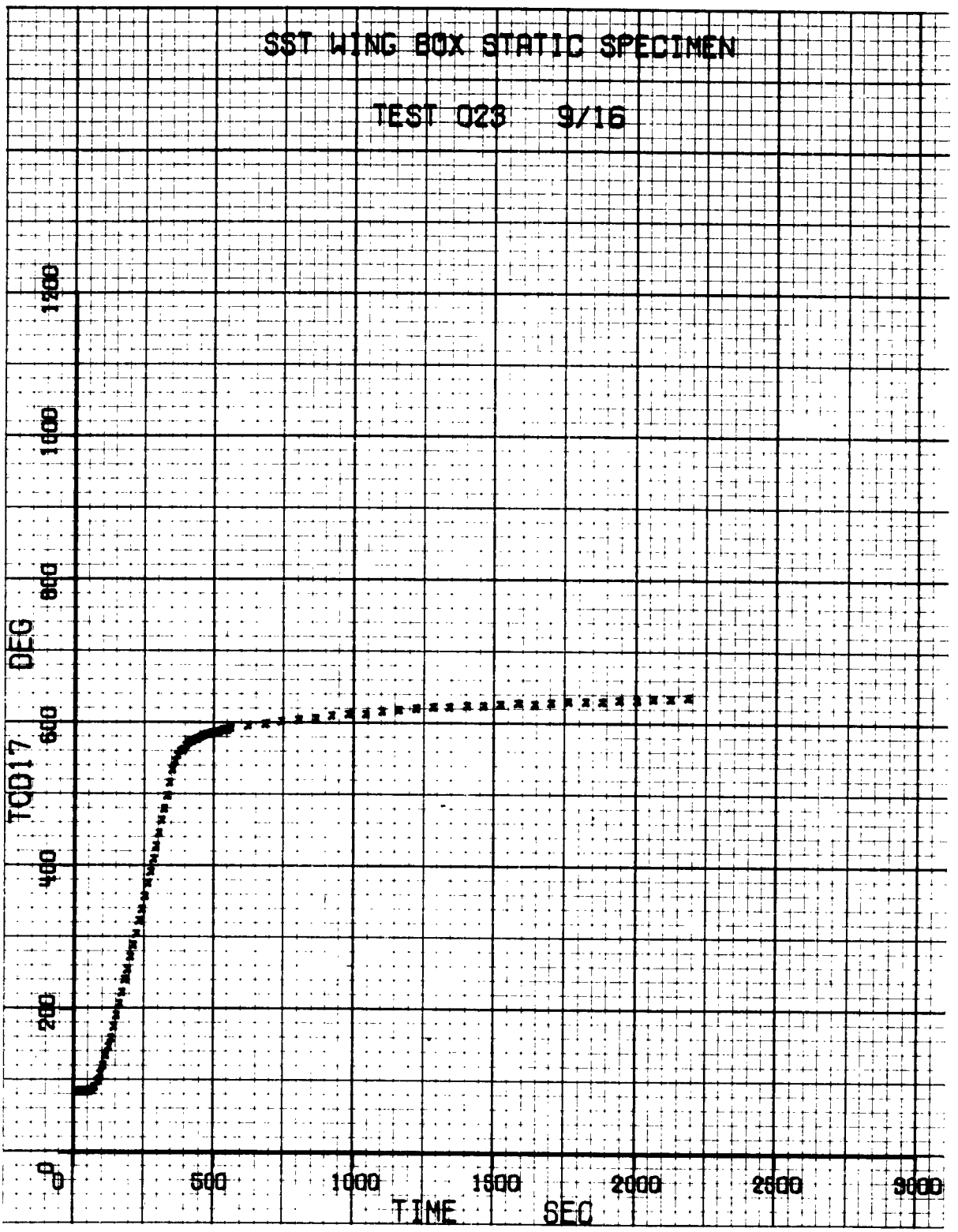
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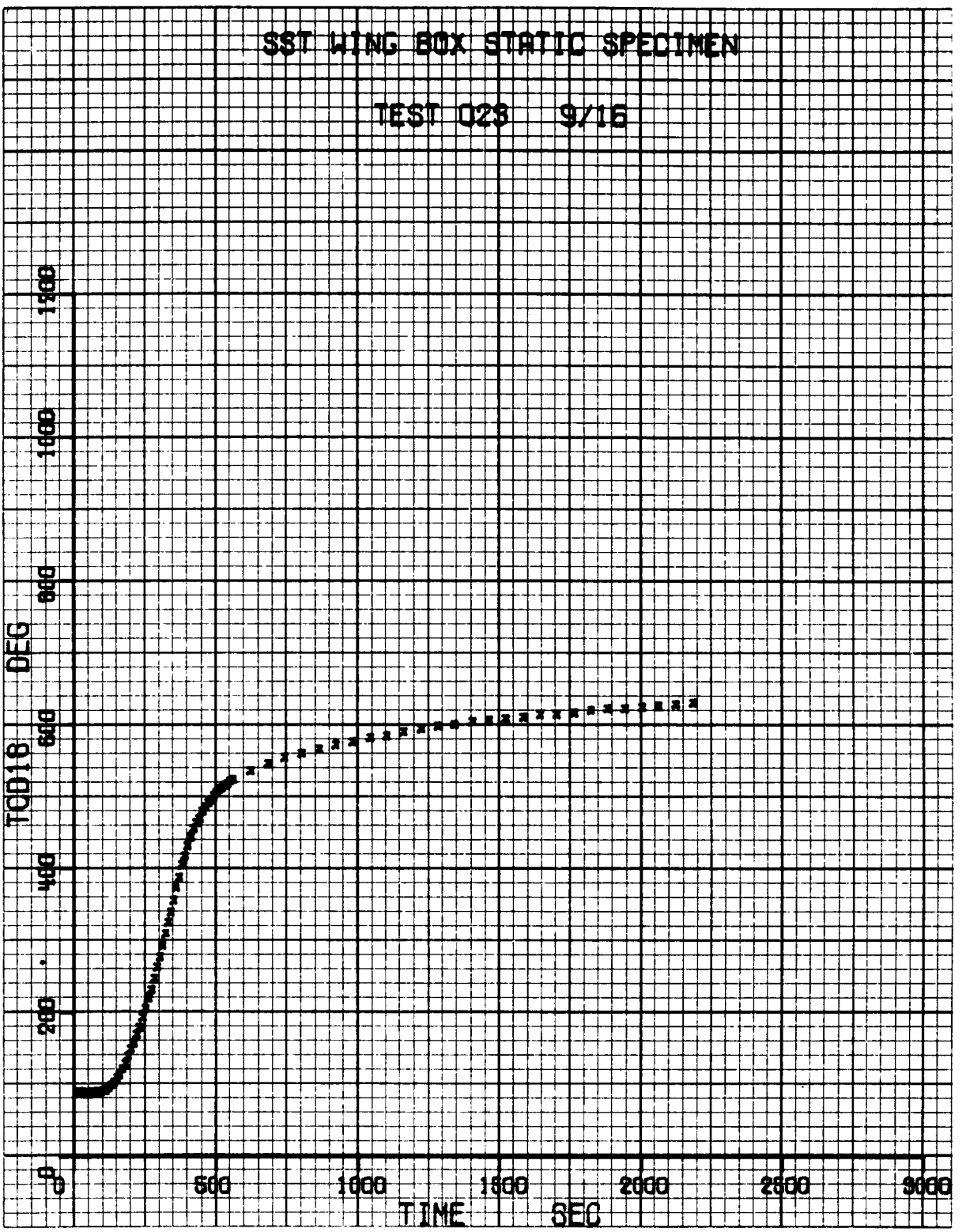
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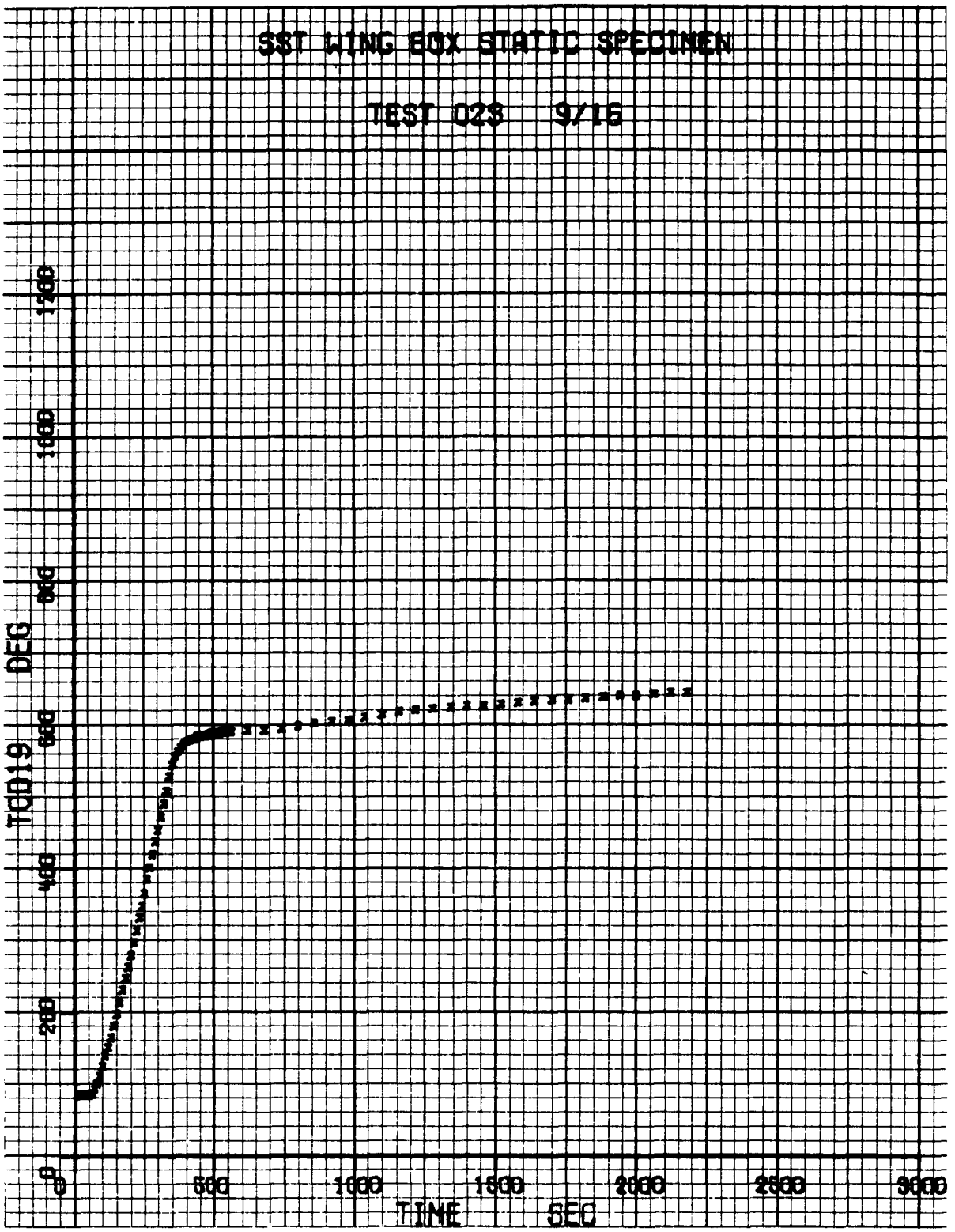
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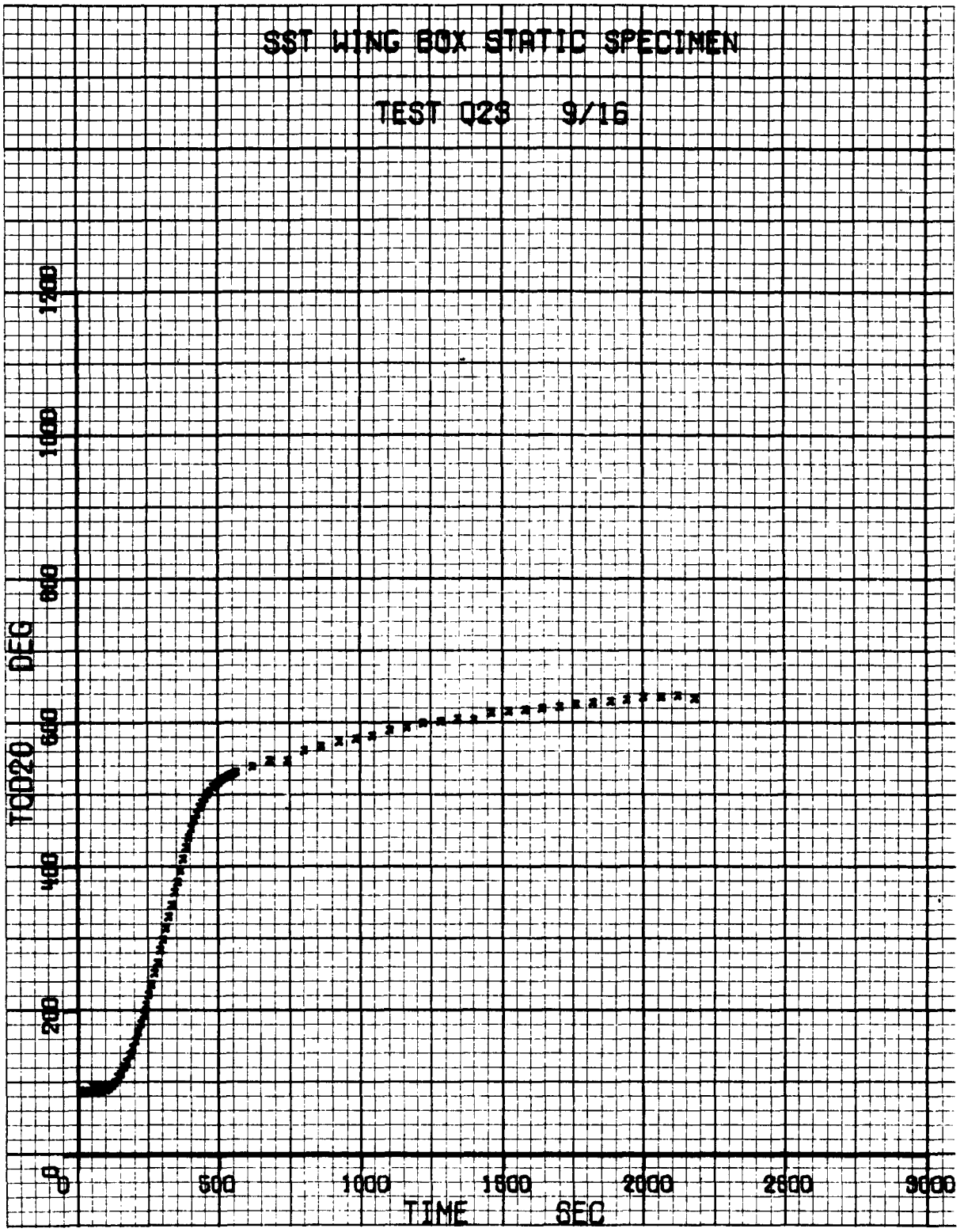
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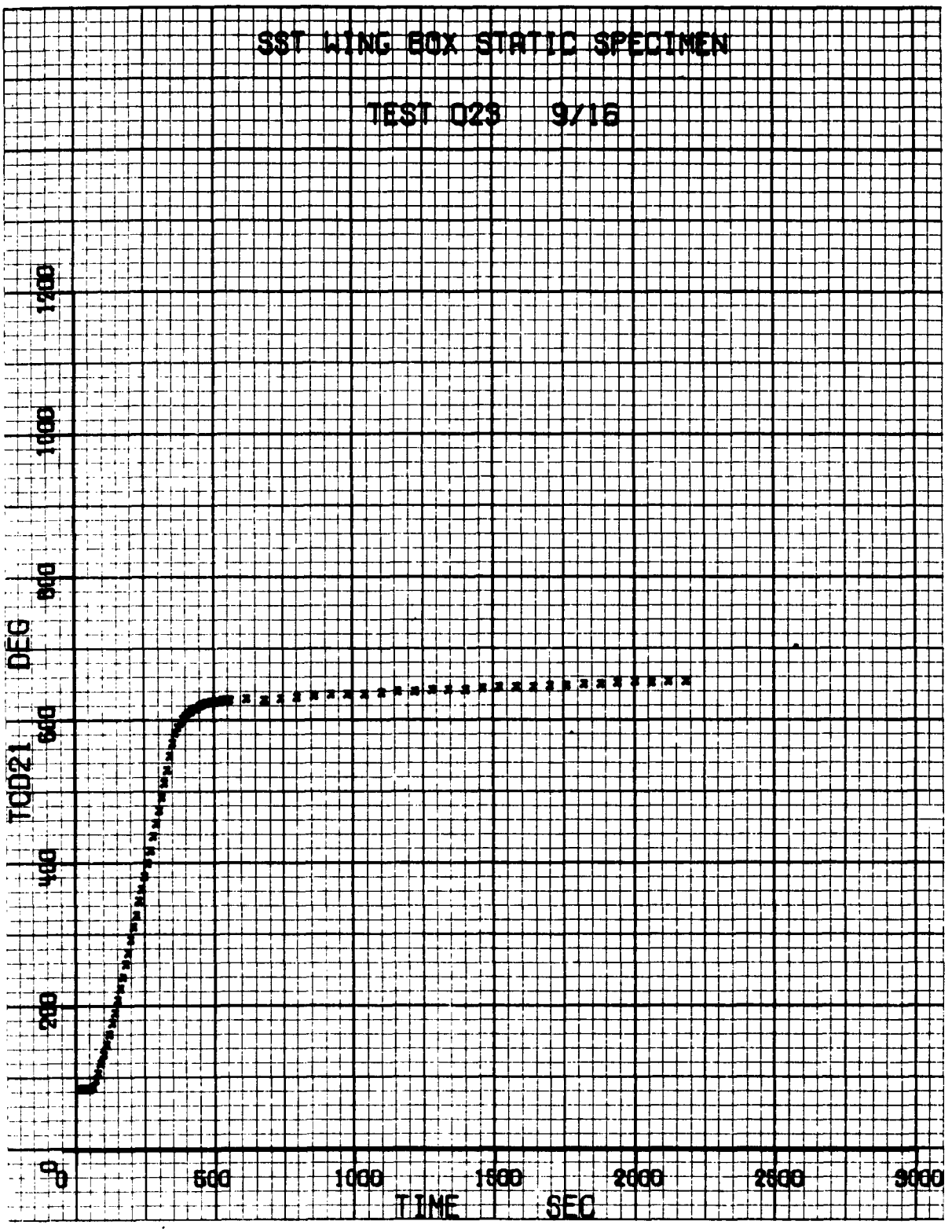
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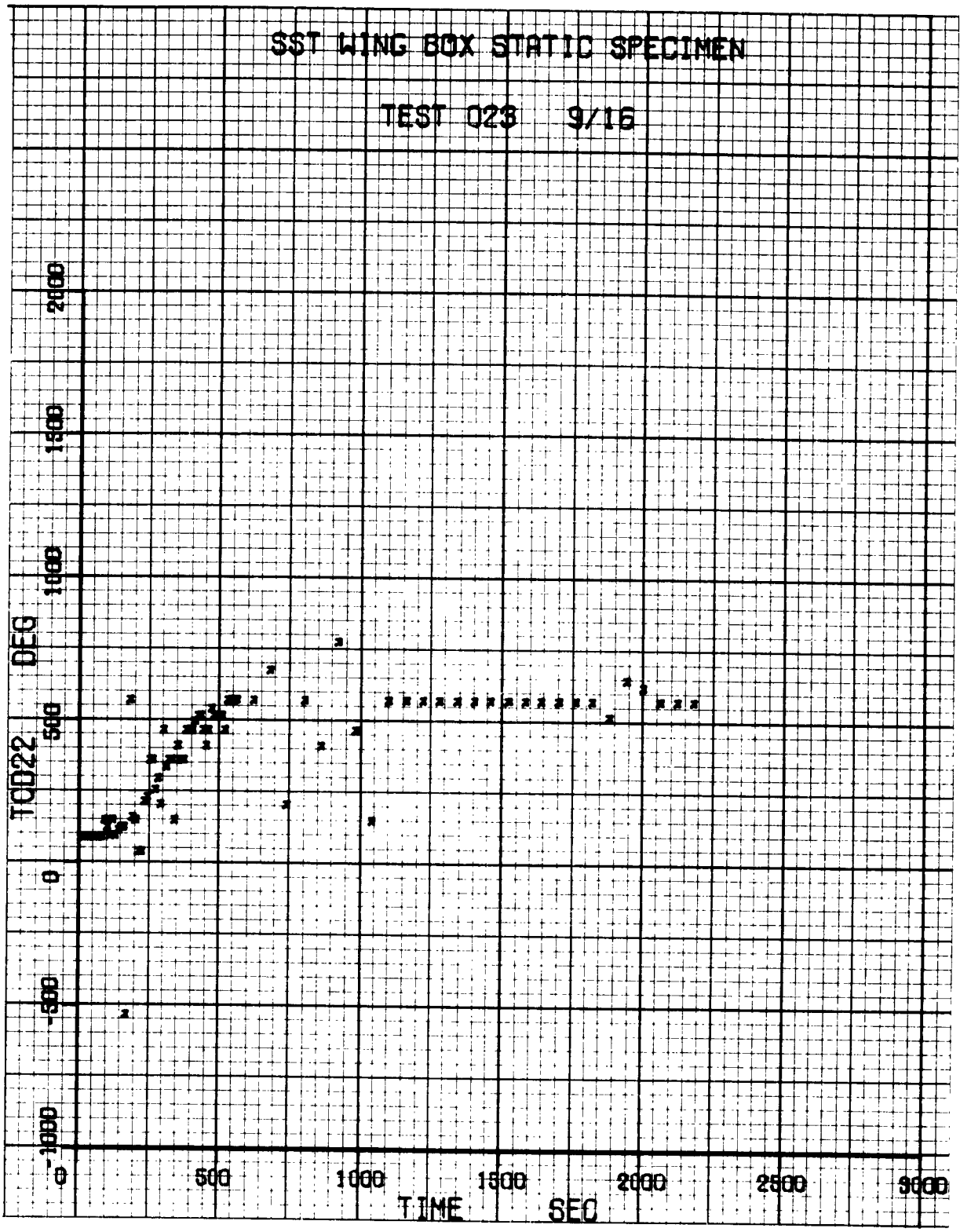
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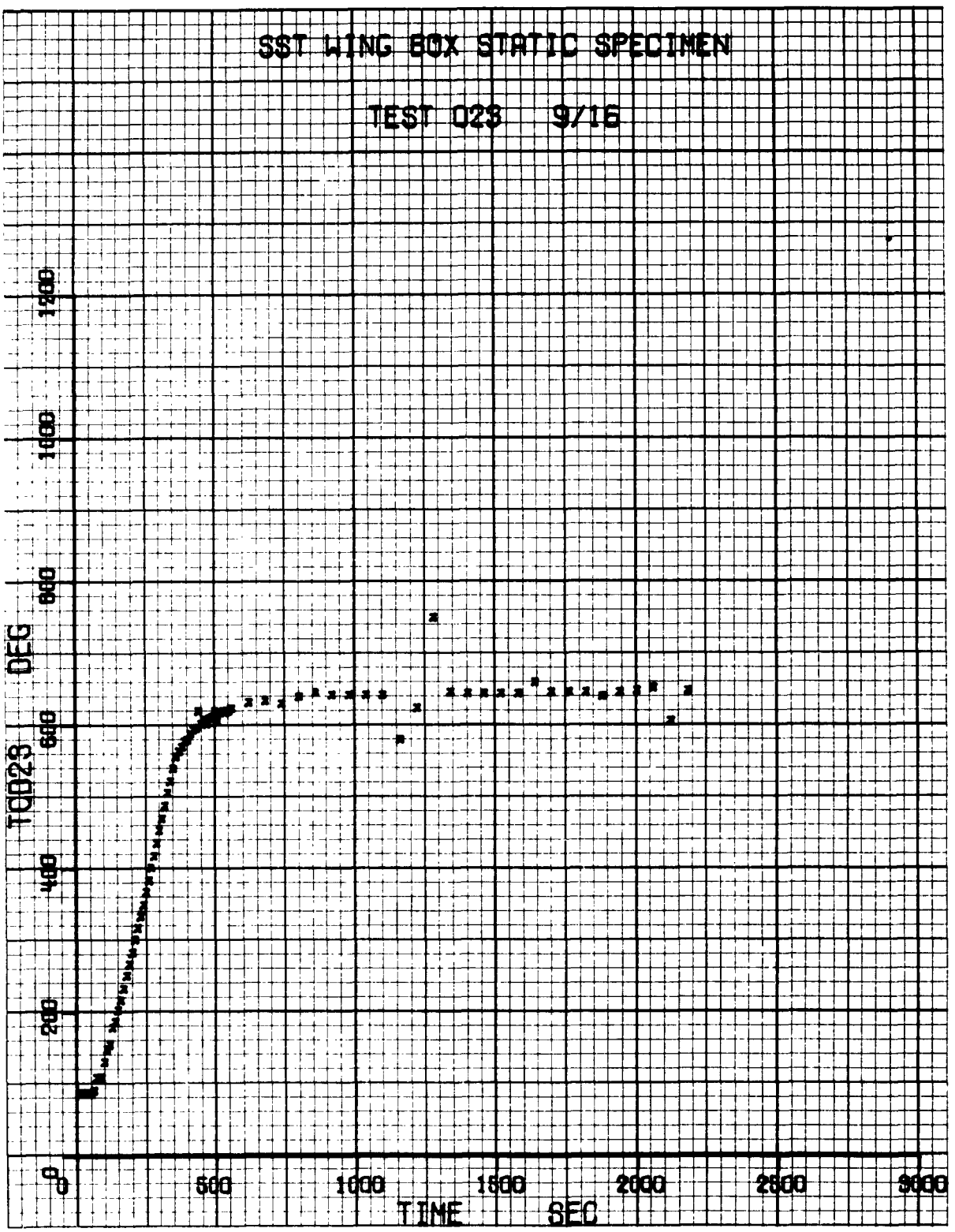
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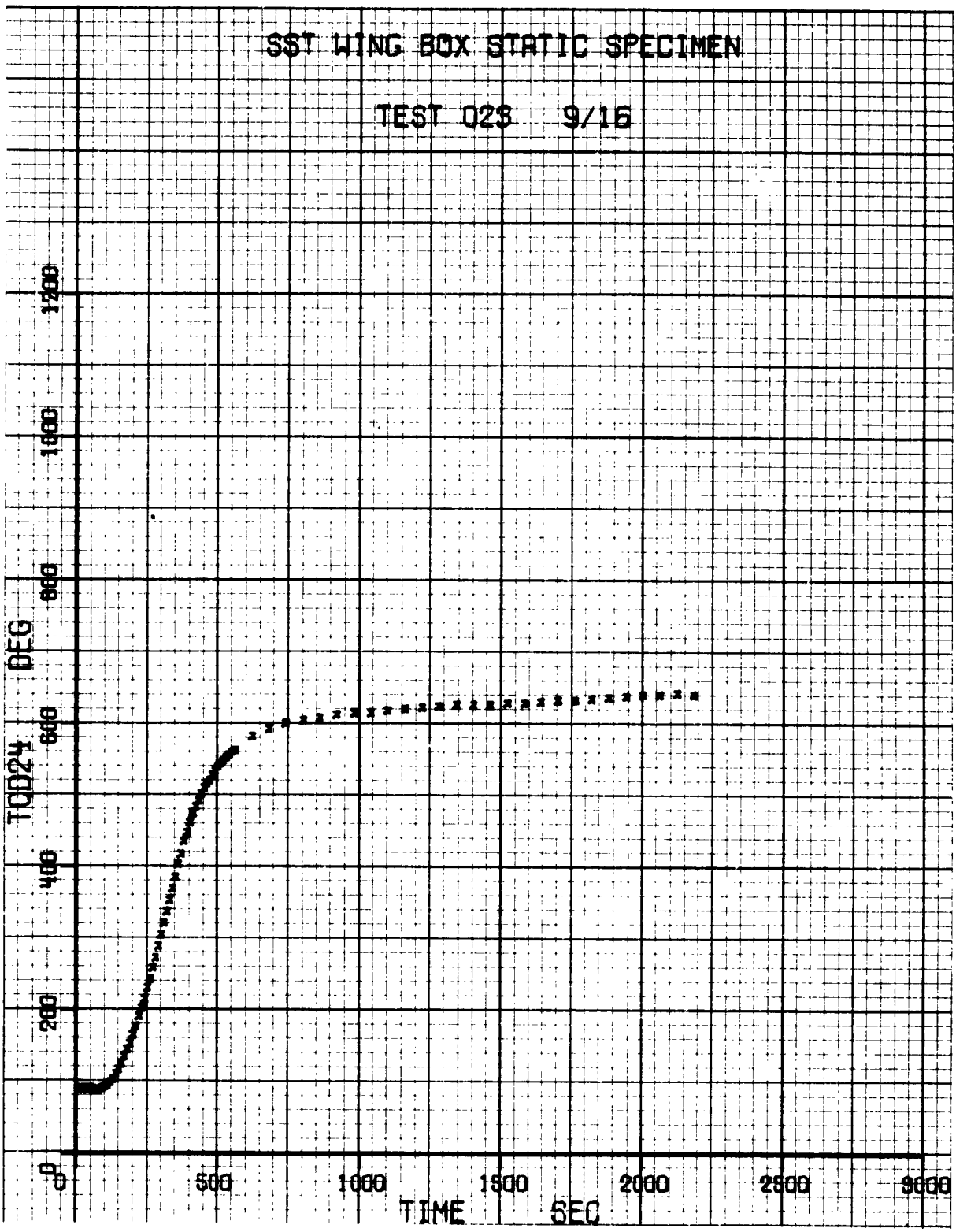
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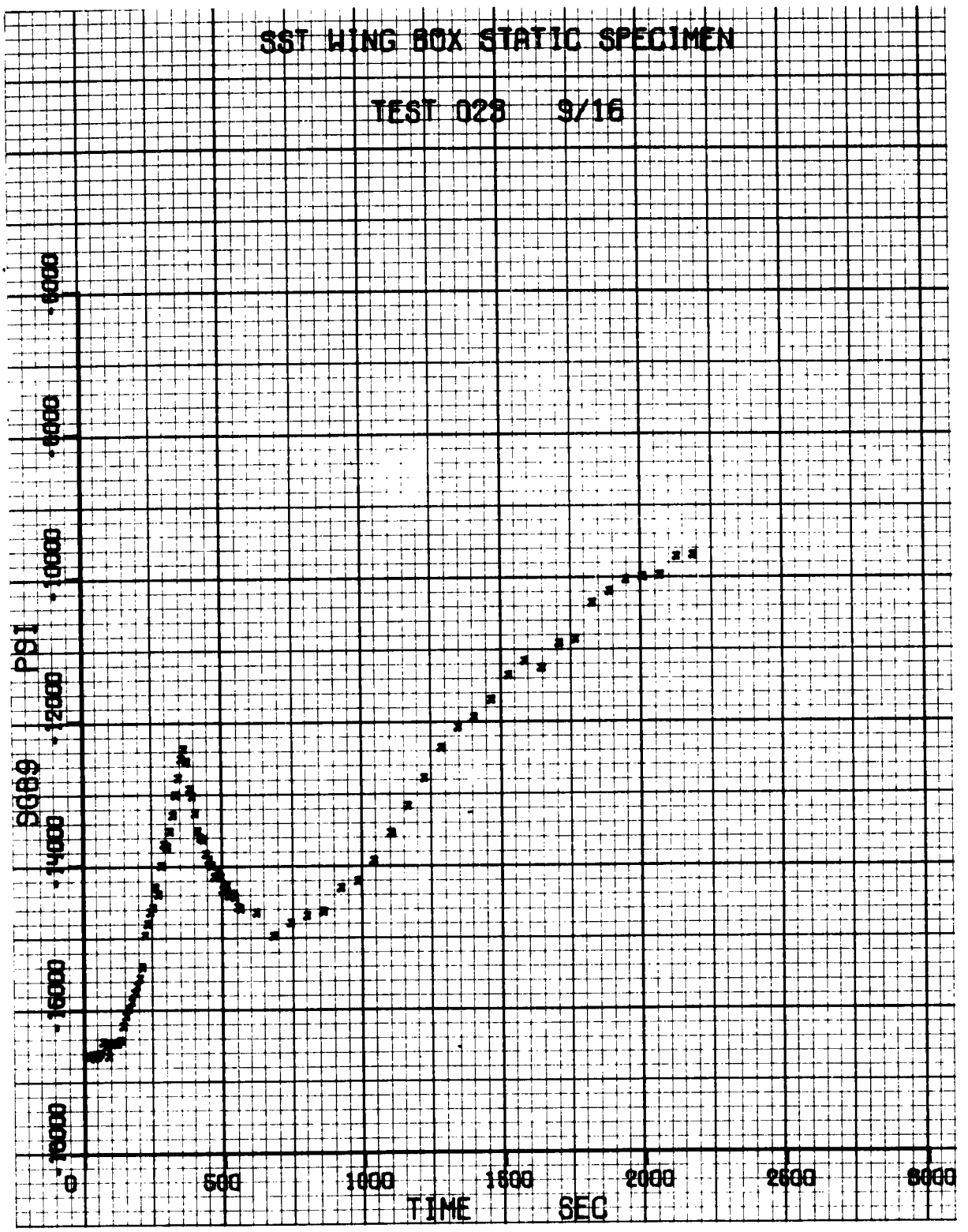
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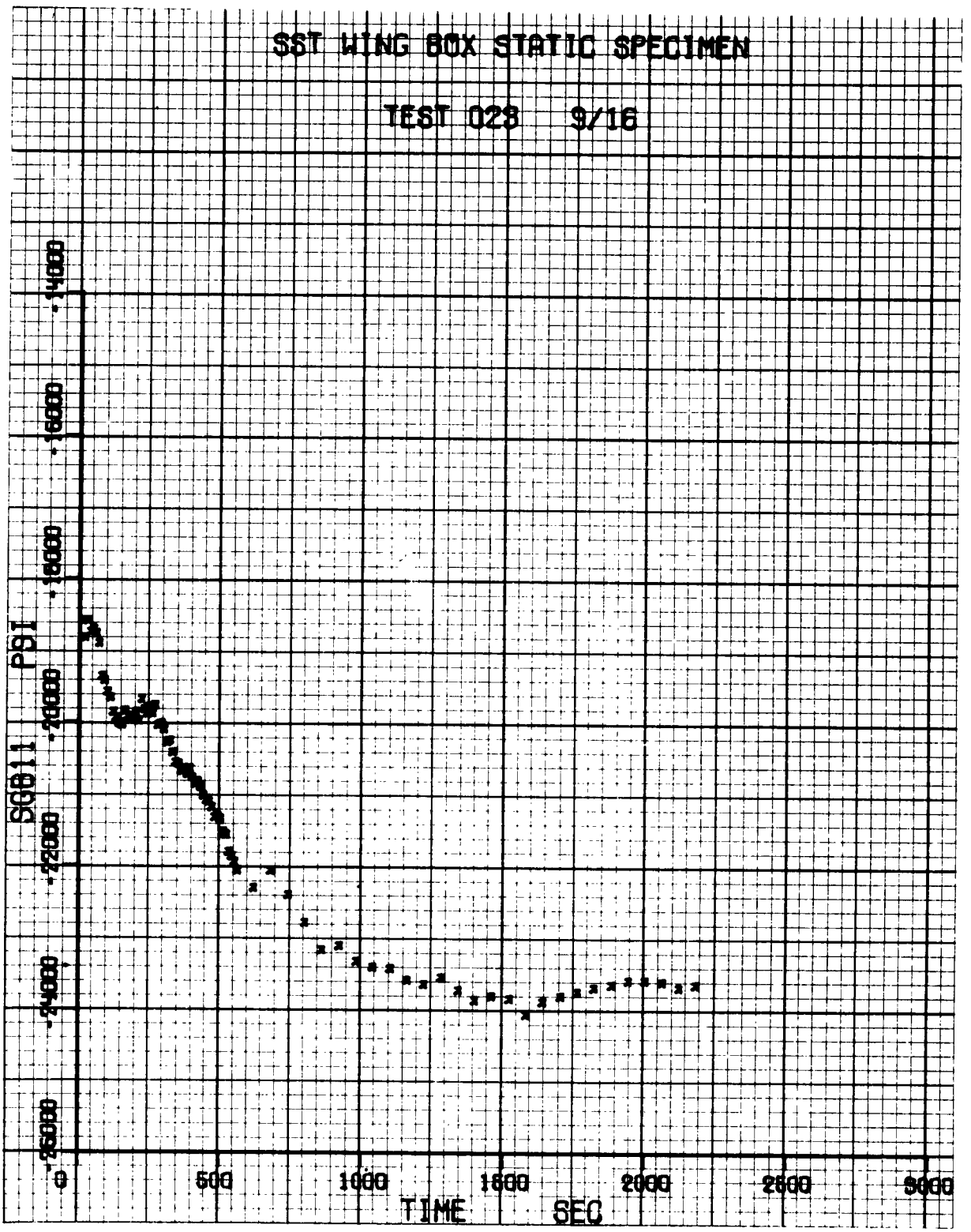
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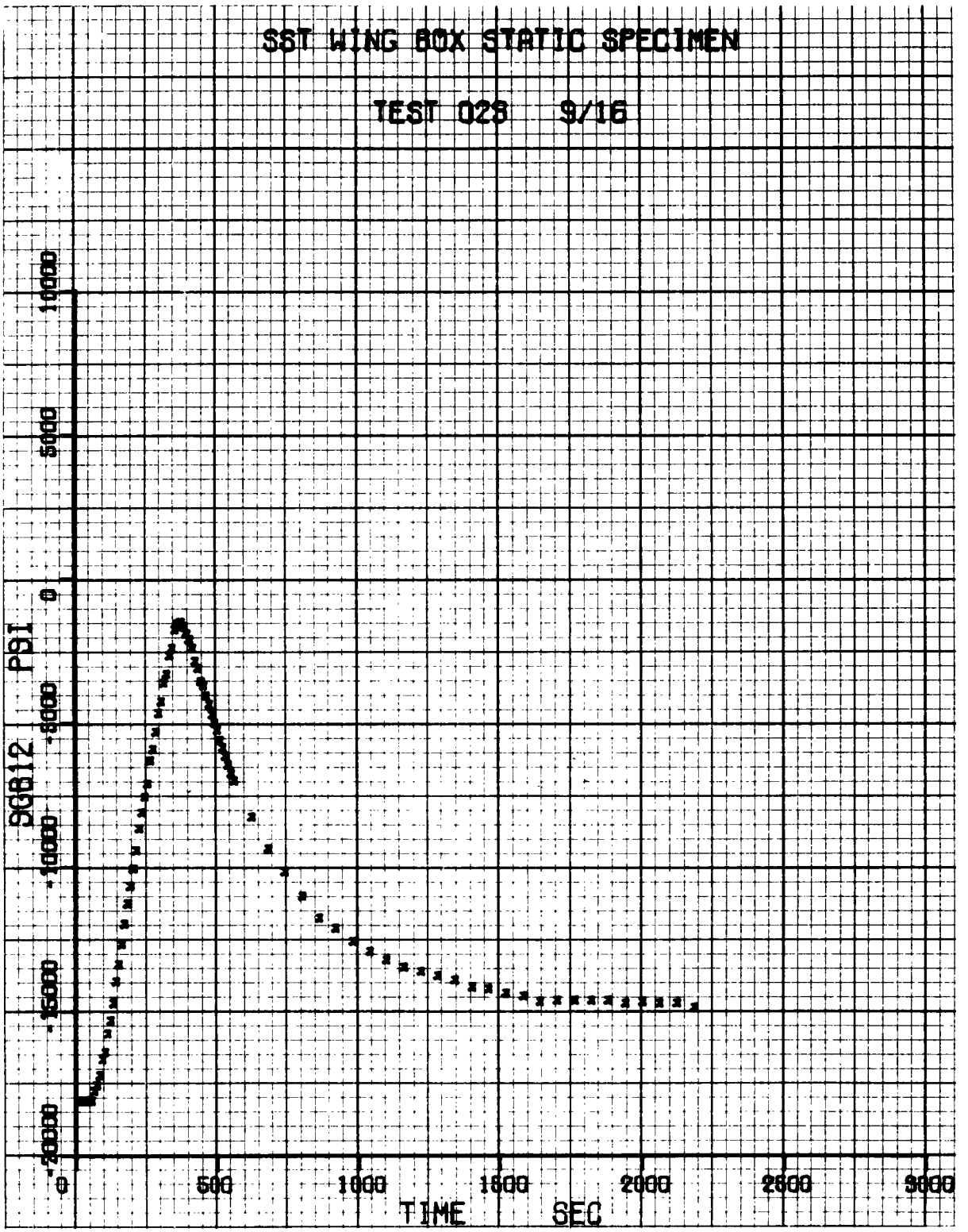
SST WING BOX STATIC SPECIMEN
TEST 023 9/16
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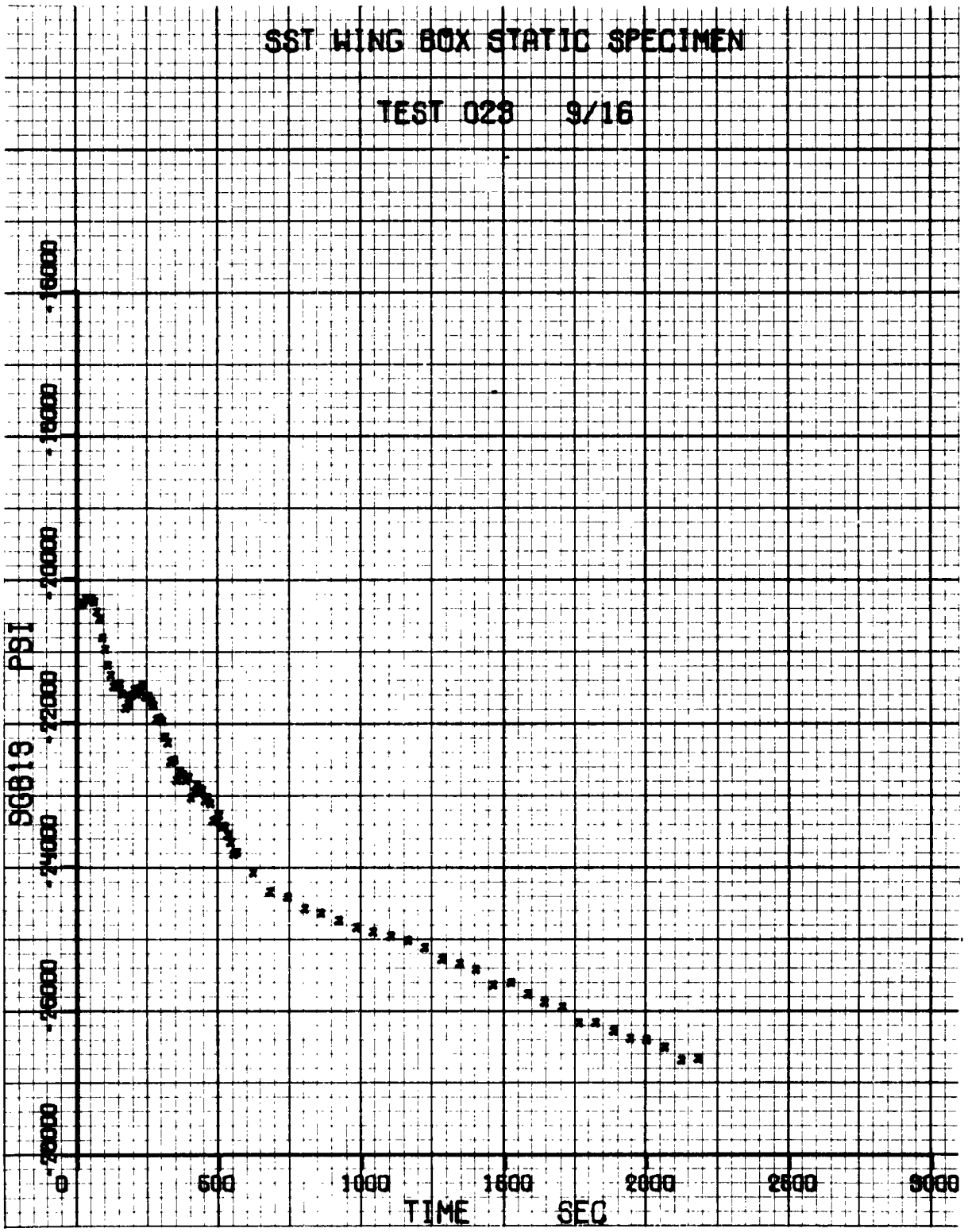
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TEST 023 9/16
SGB13 PSI
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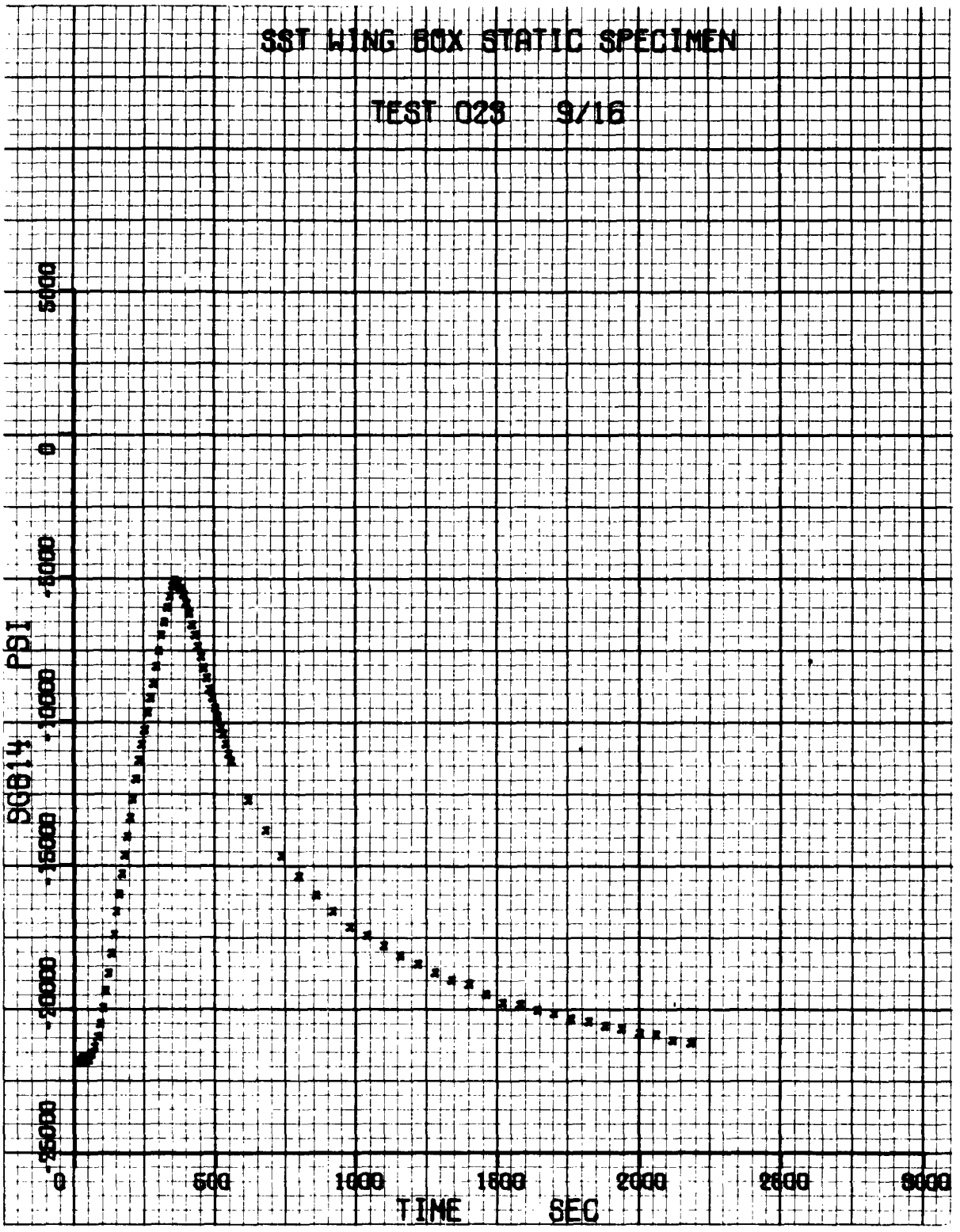
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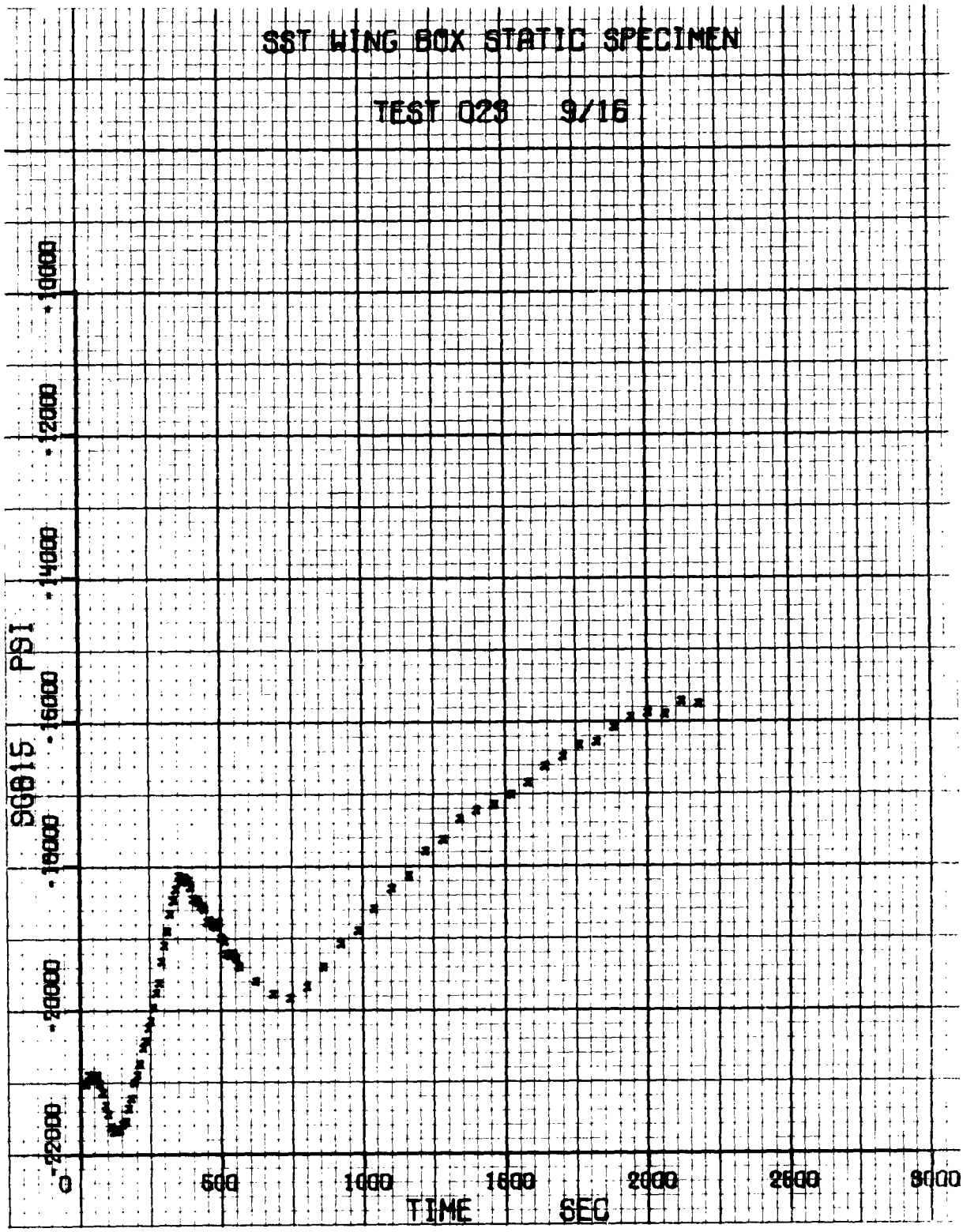
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SG015 PSI
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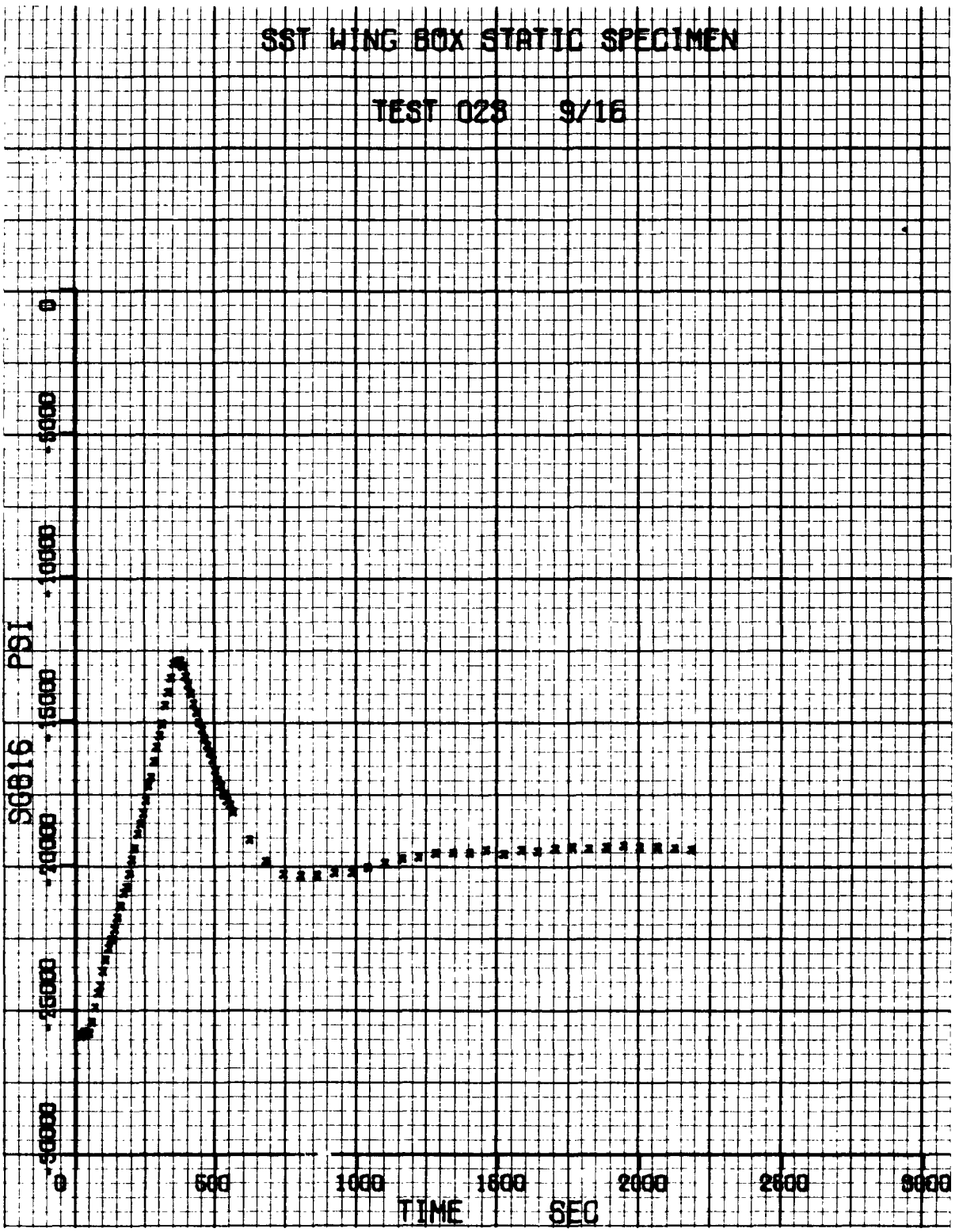
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TEST 023 9/16
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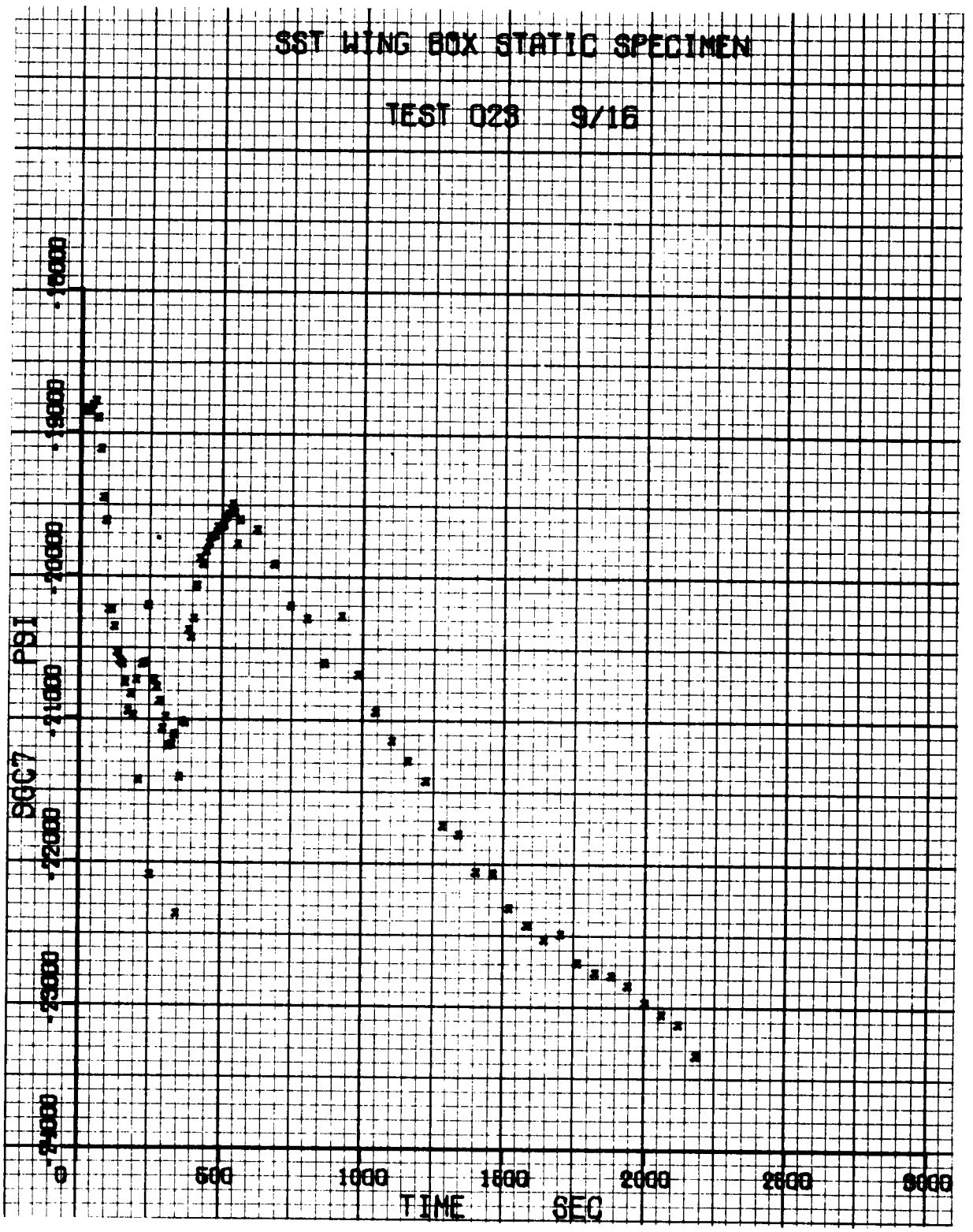
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TEST 023 9/16
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PSI
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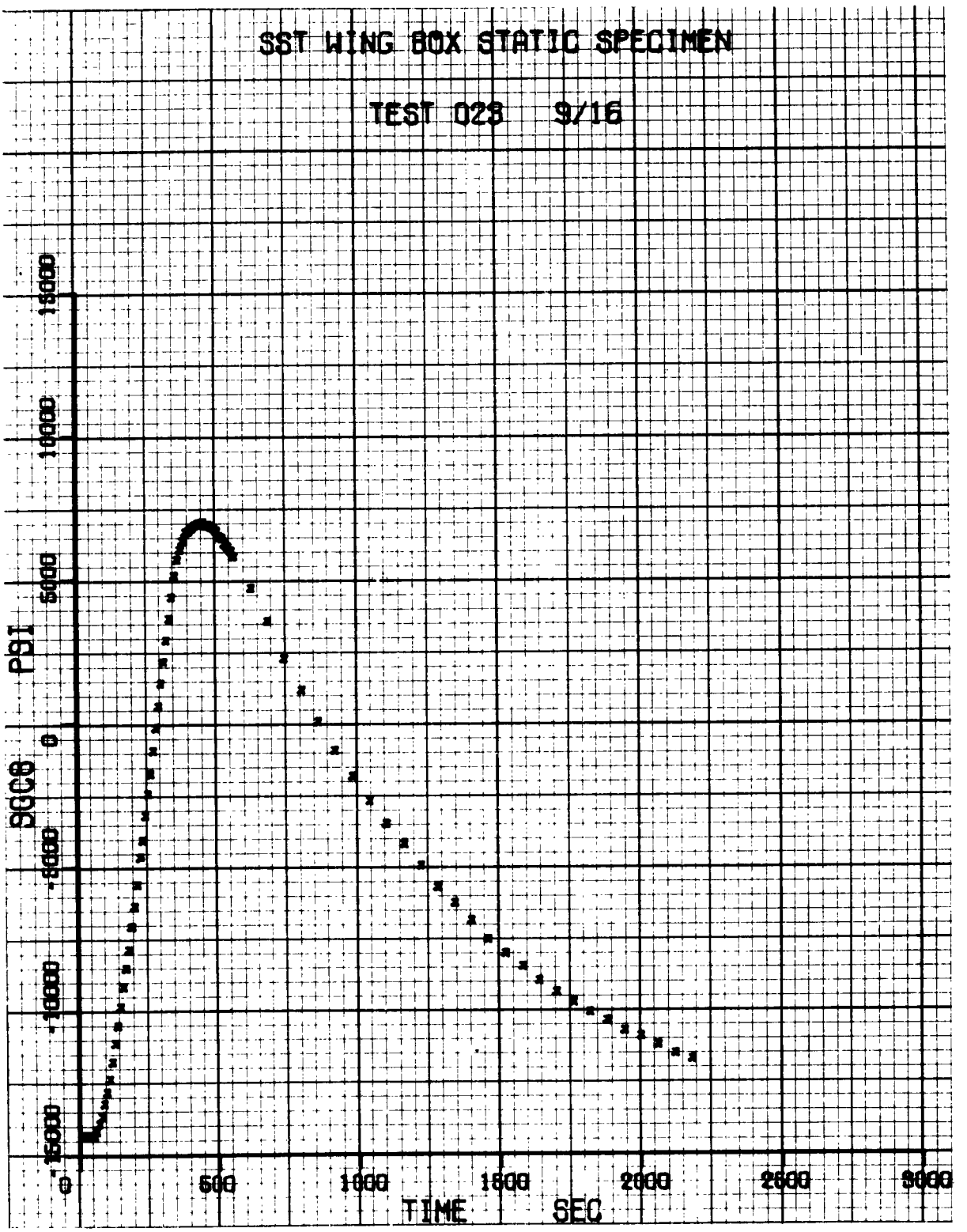
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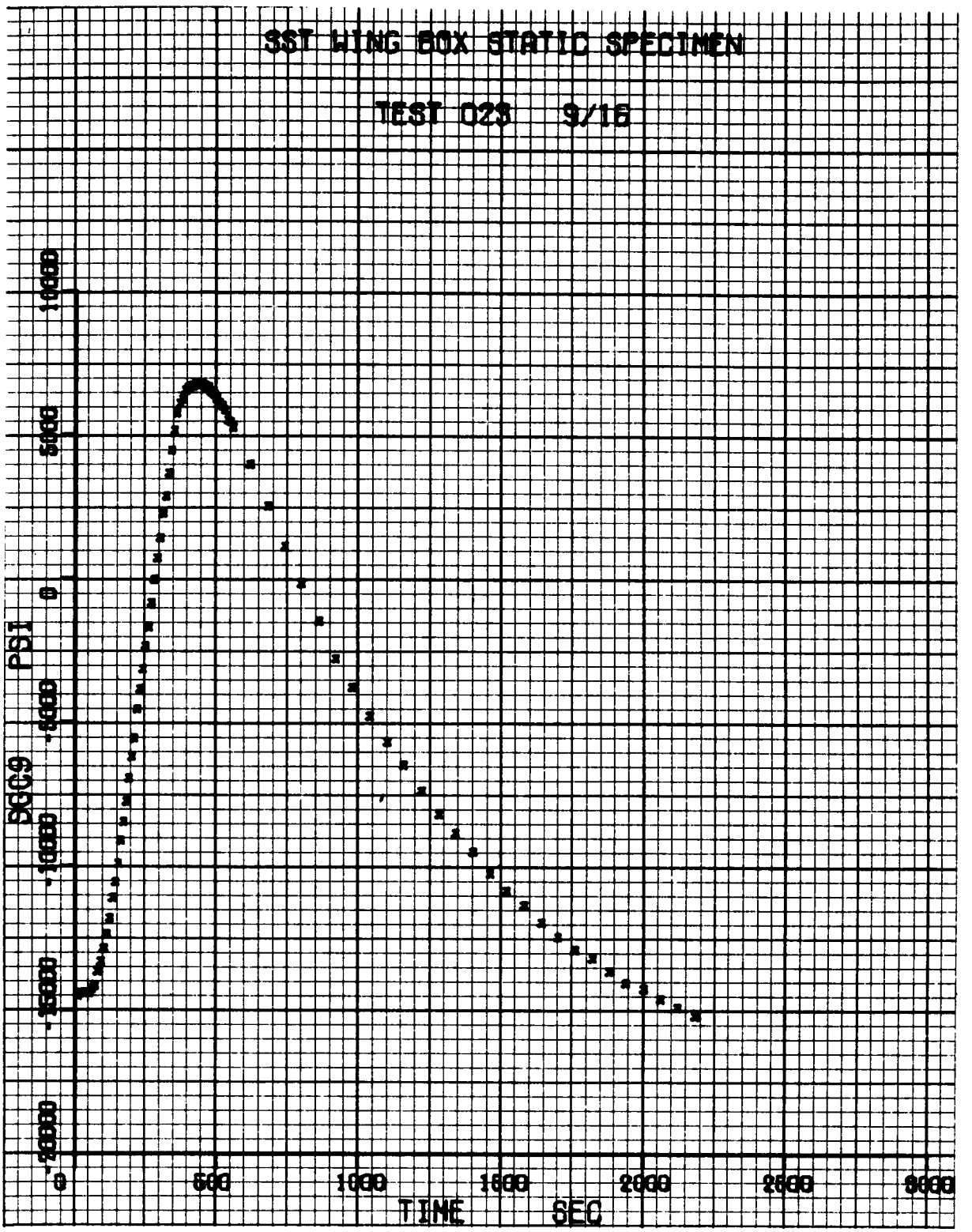
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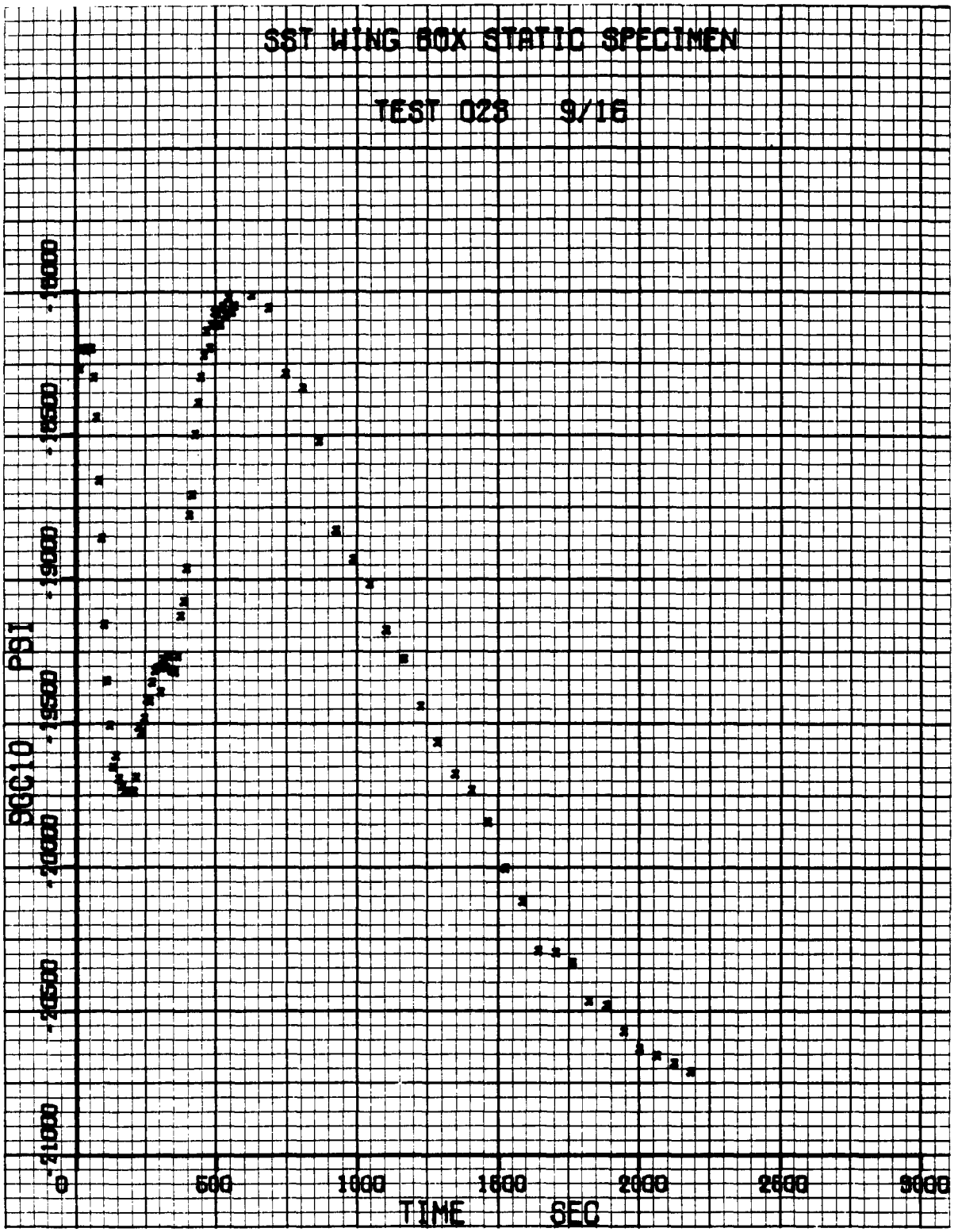
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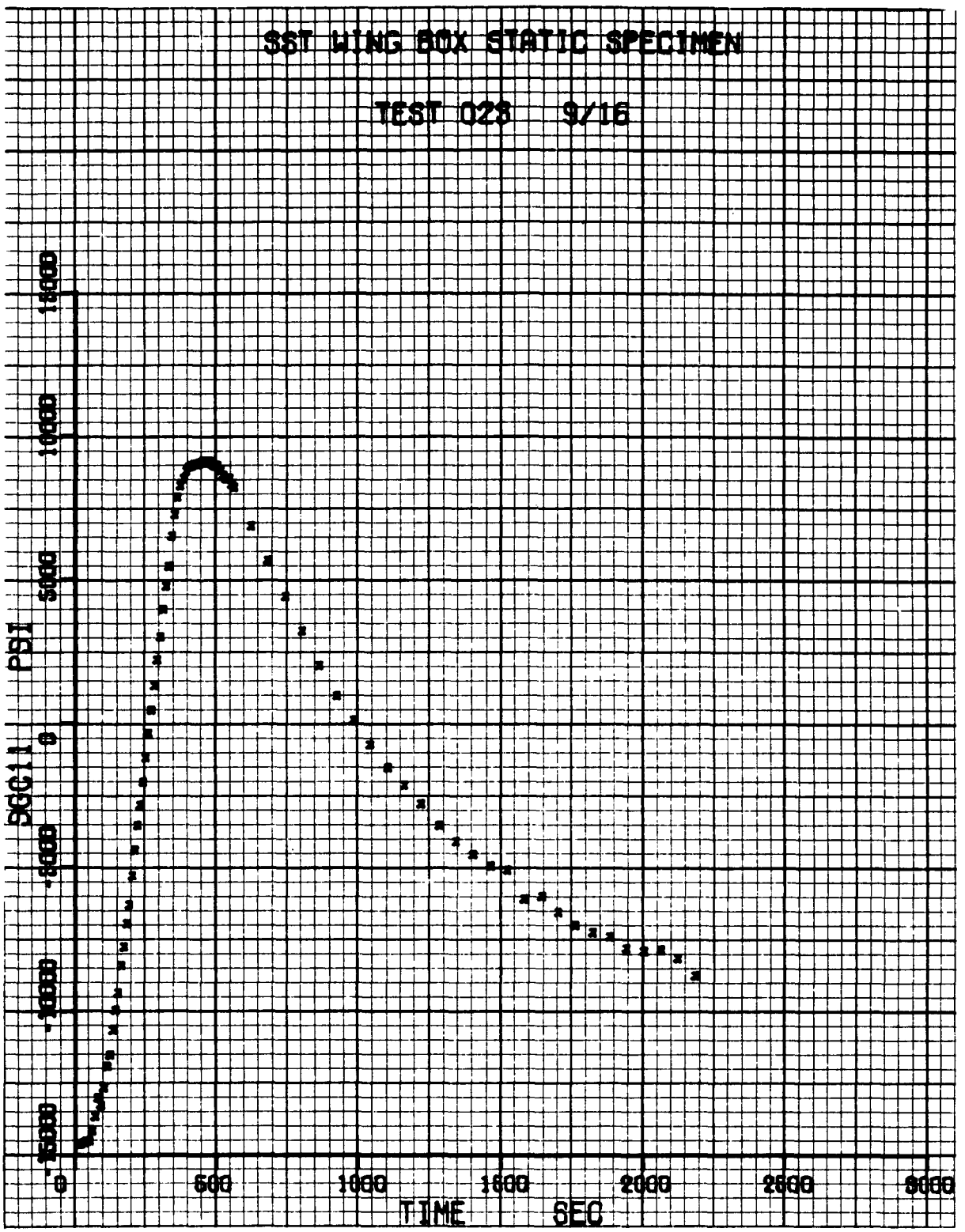
SST WING BOX STATIC SPECIMEN
TEST 023 9/16
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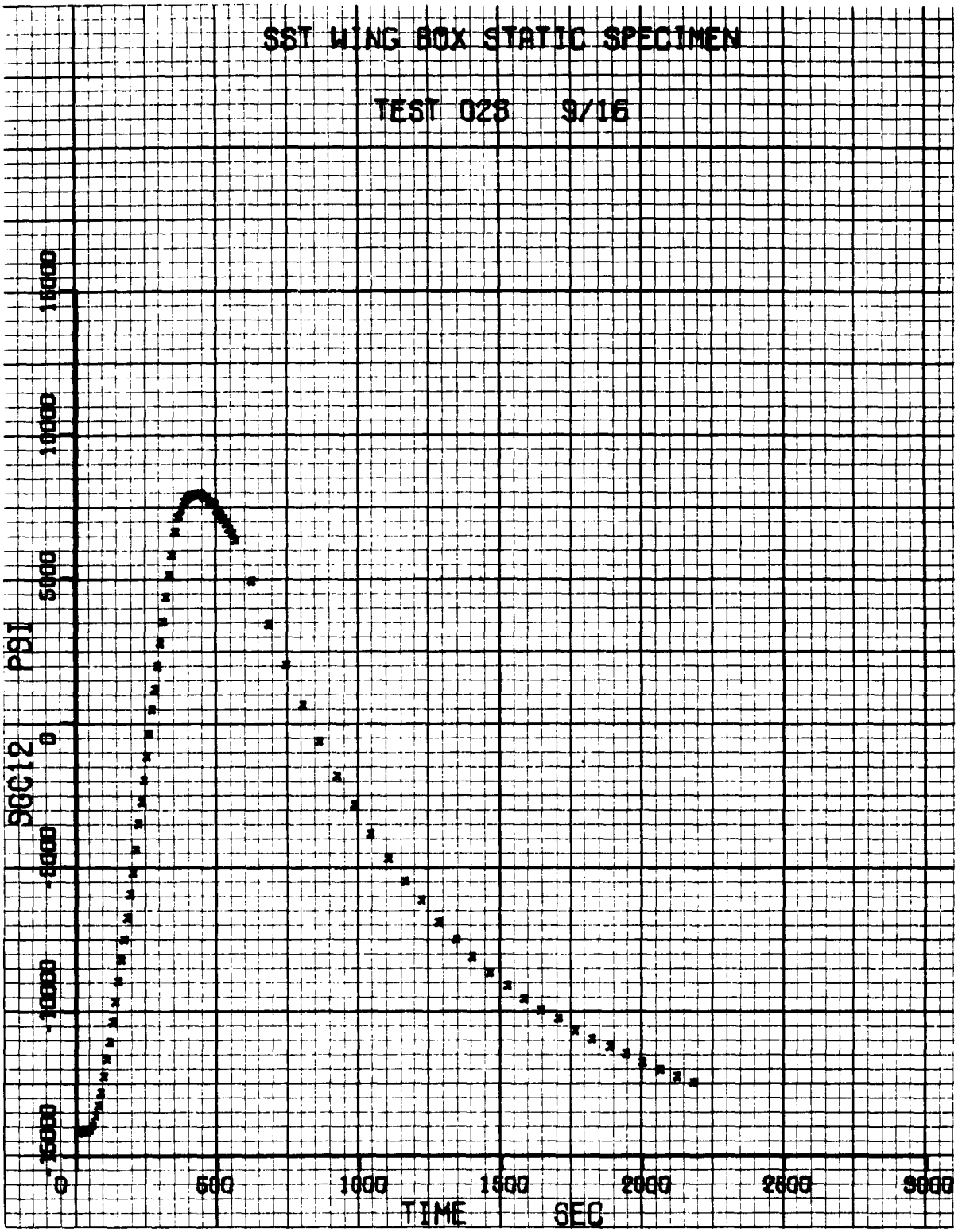
SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGG12 PSI
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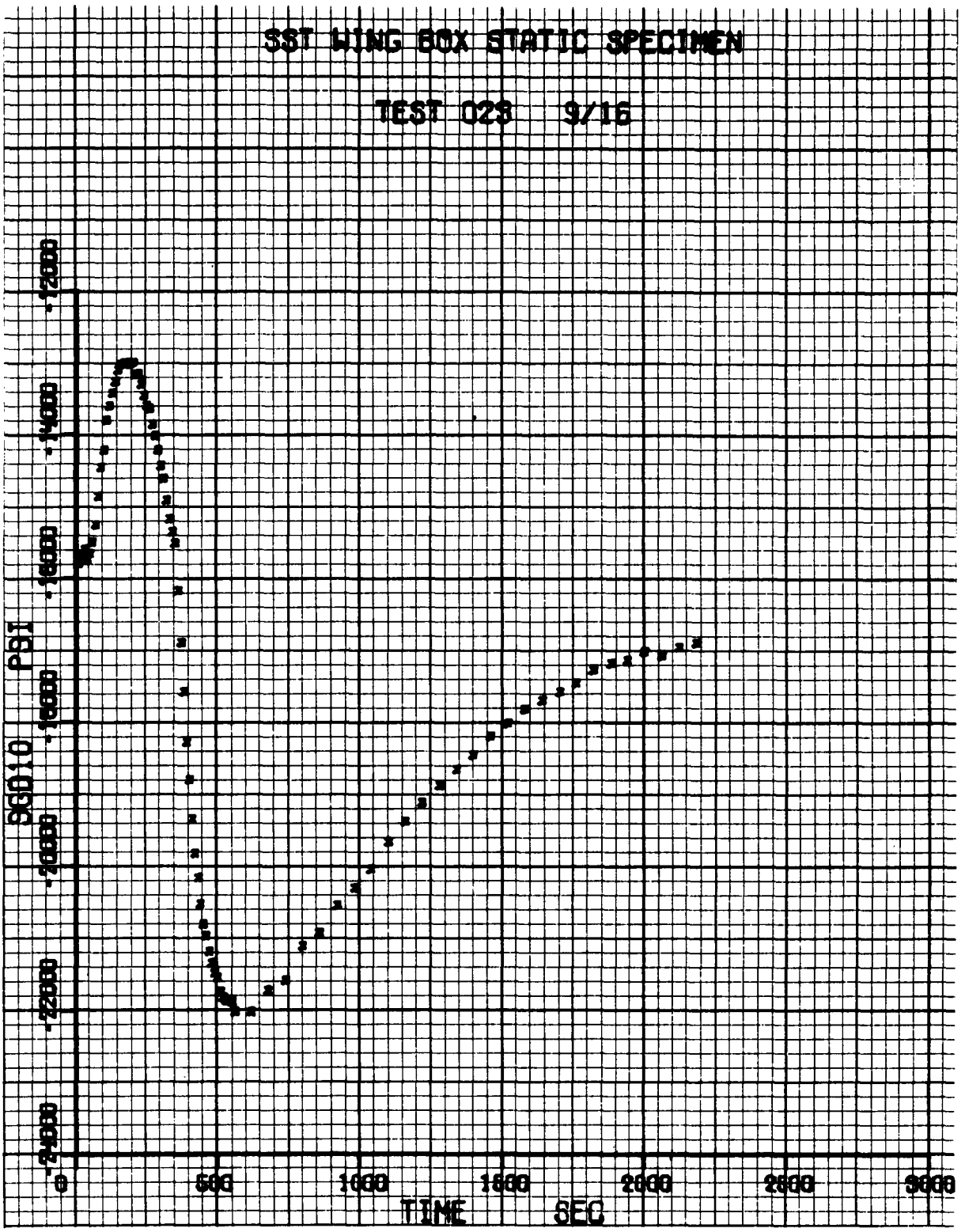
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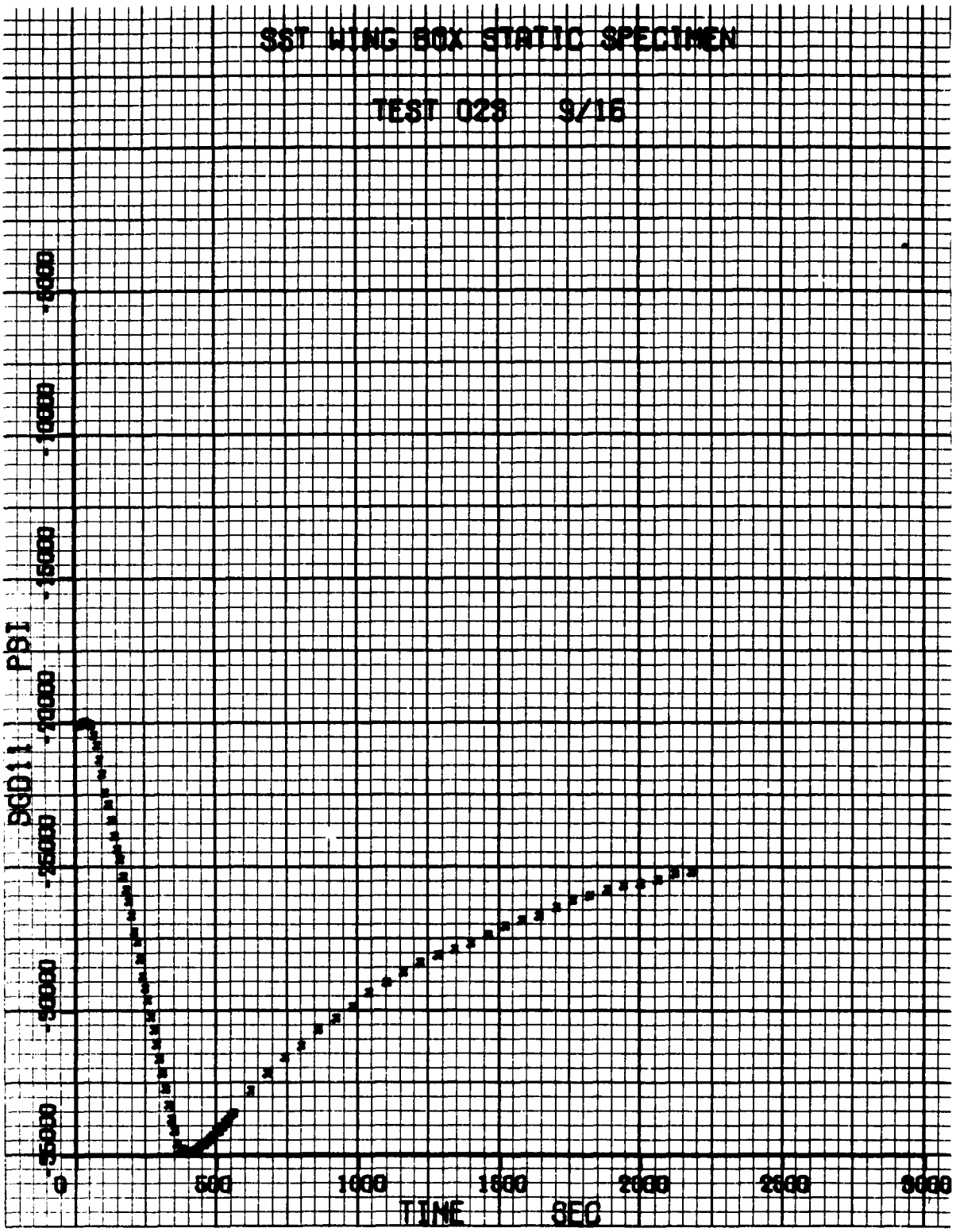
SST WING BOX STATIC SPECIMEN
TEST 023 9/16
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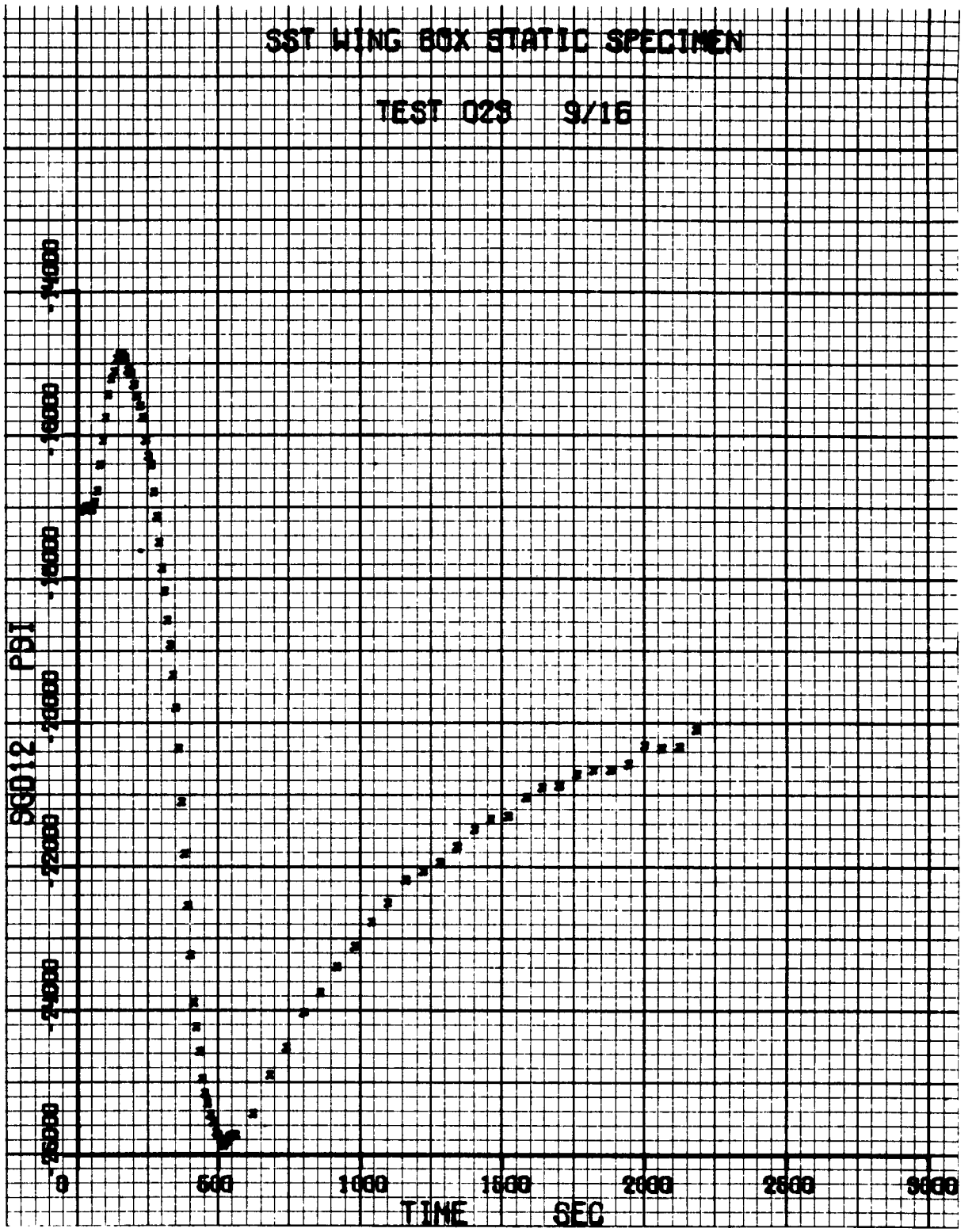
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TEST 023 9/16
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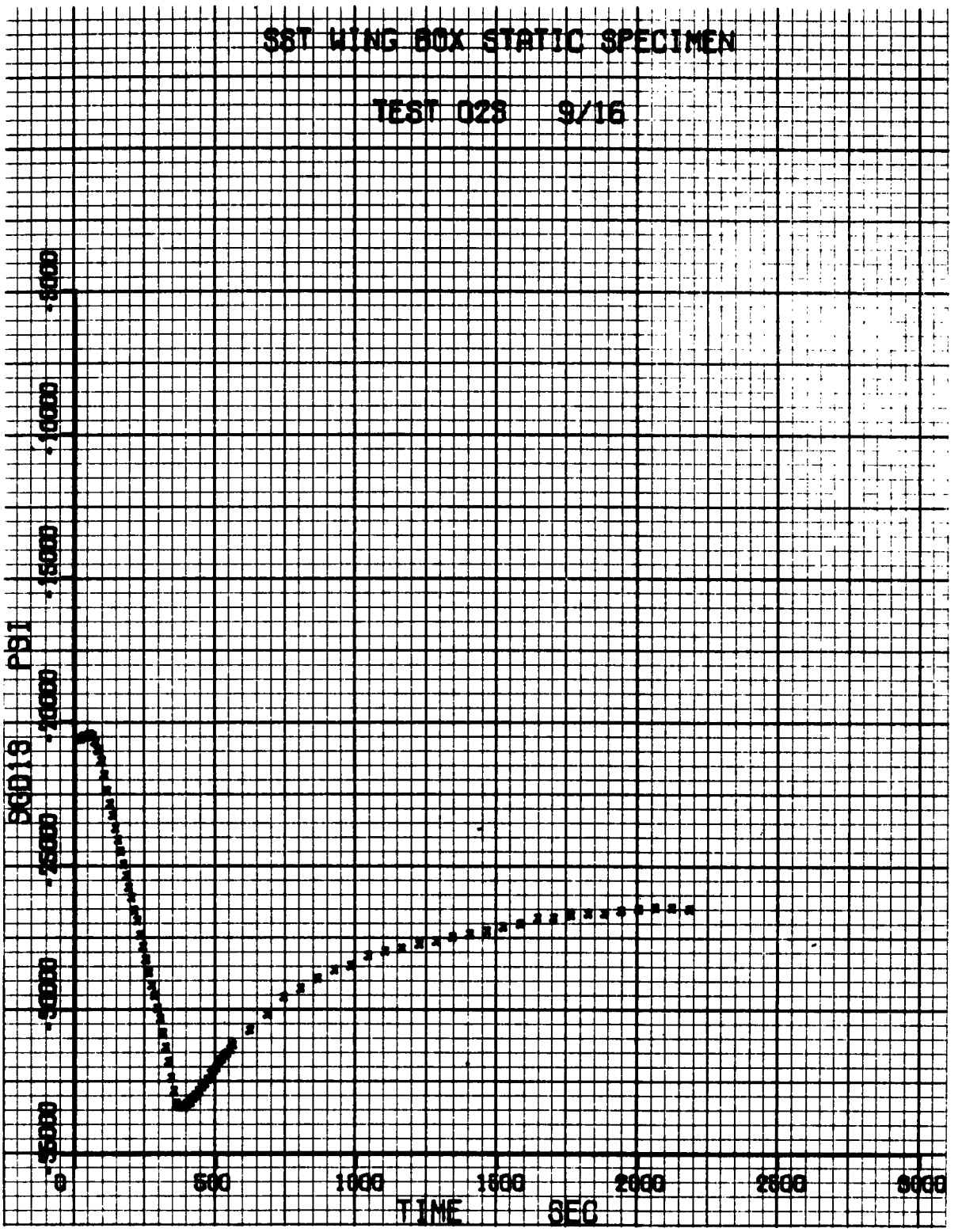
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TEST 023 9/16
PSI
TIME SEC
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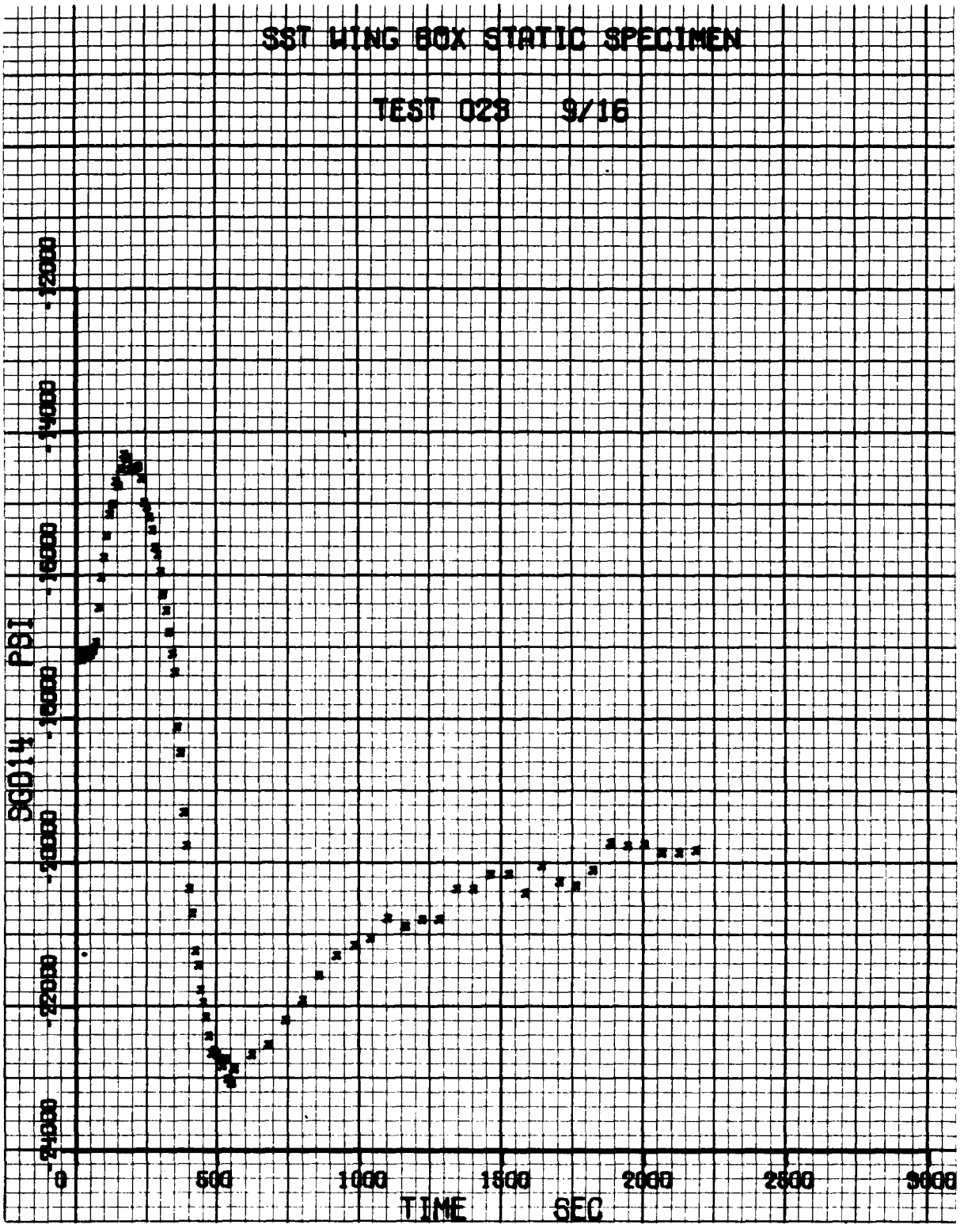
SST WING BOX STATIC SPECIMEN
TEST 028 9/16
SG014 PSI
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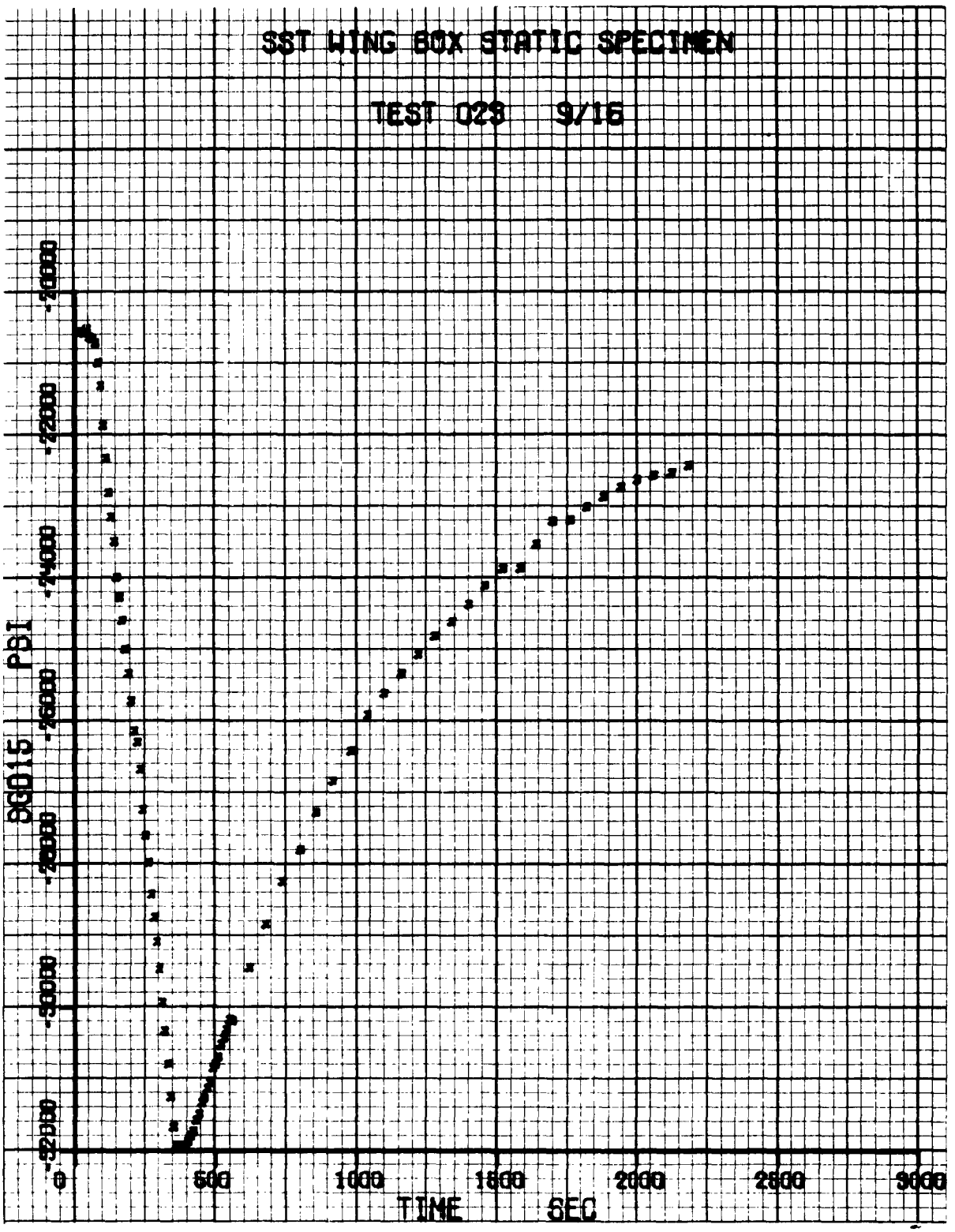
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
9G015 PSI
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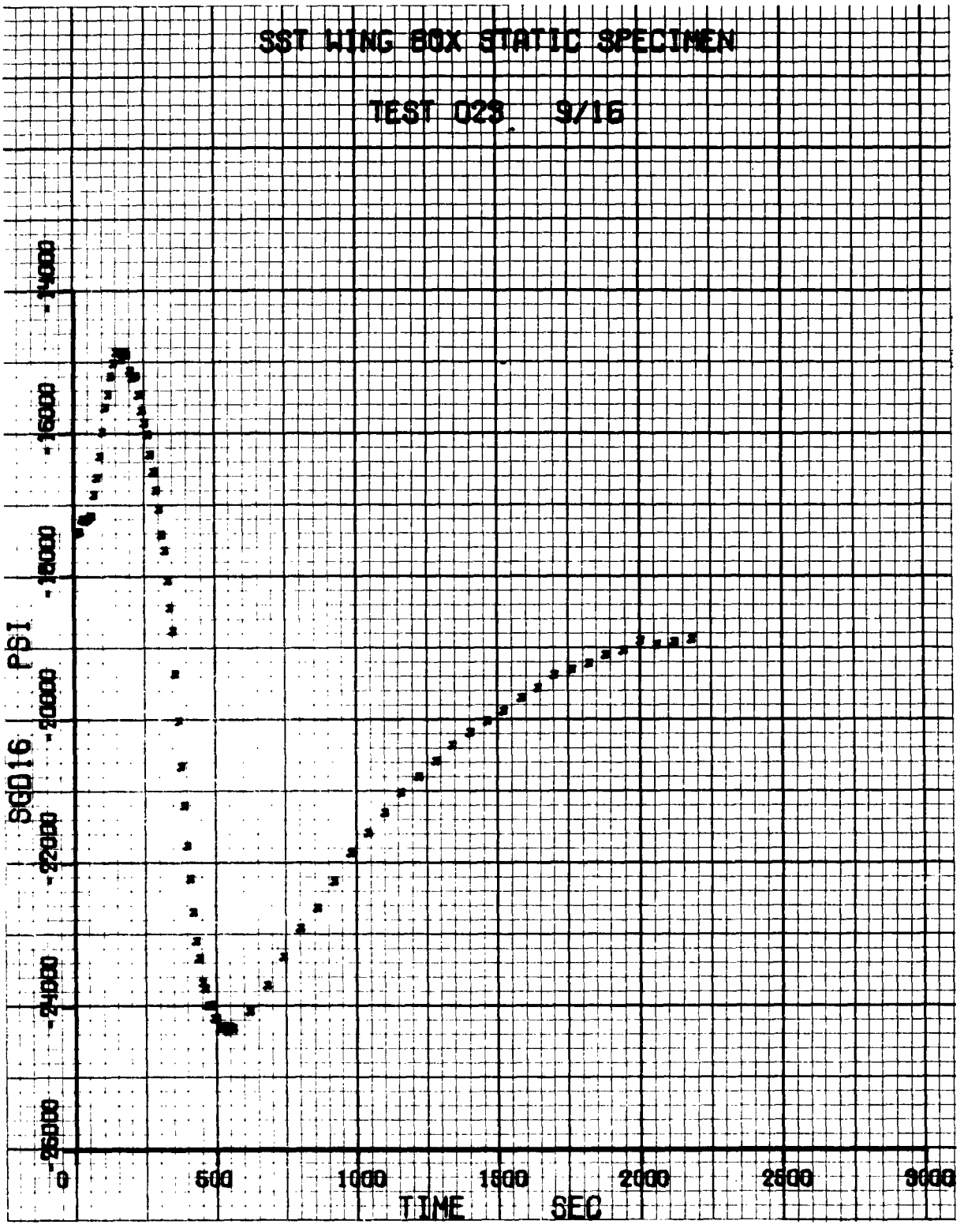
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TEST 023 9/16
SG016 PSI
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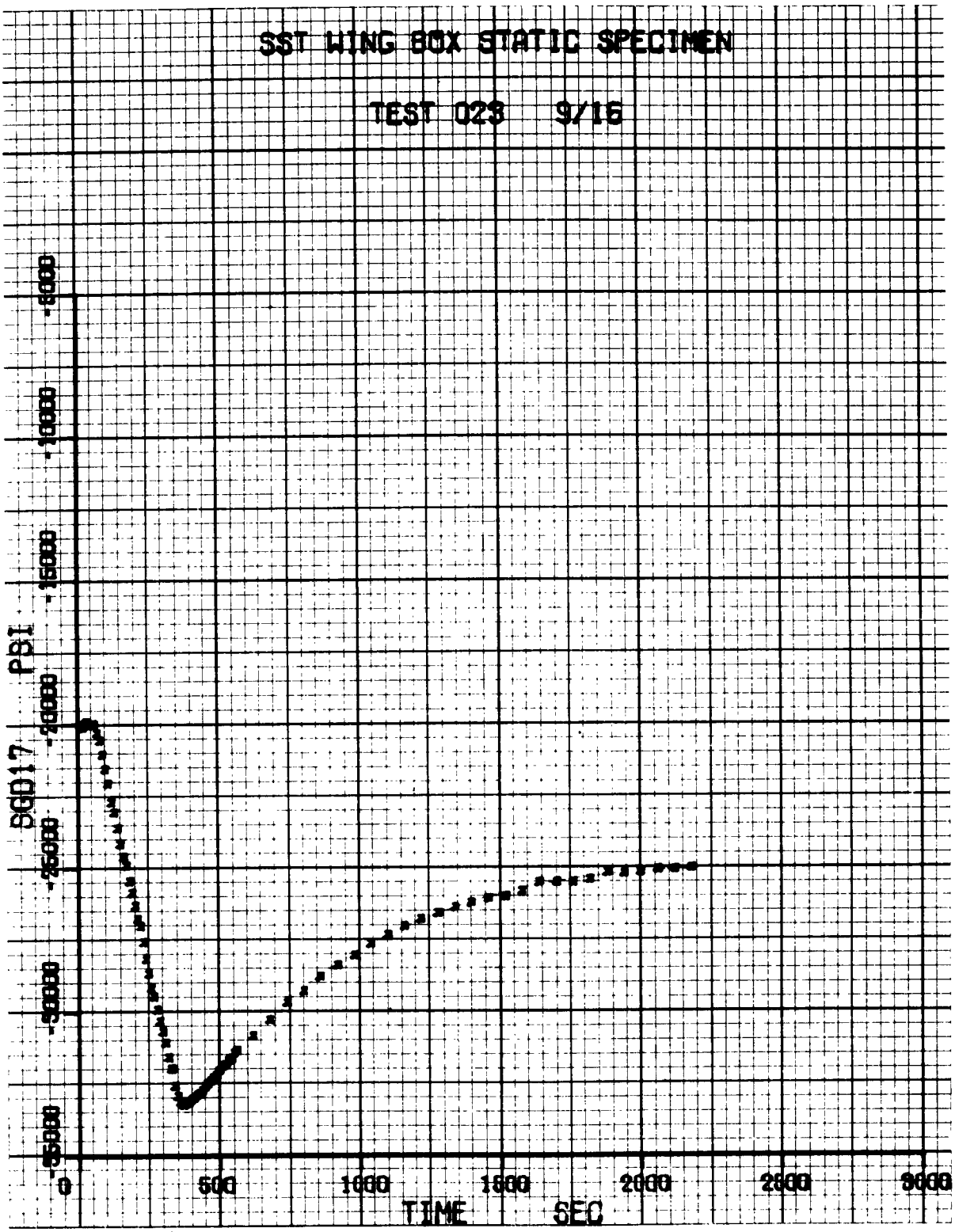
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TEST 023 9/16
SG017 PSI
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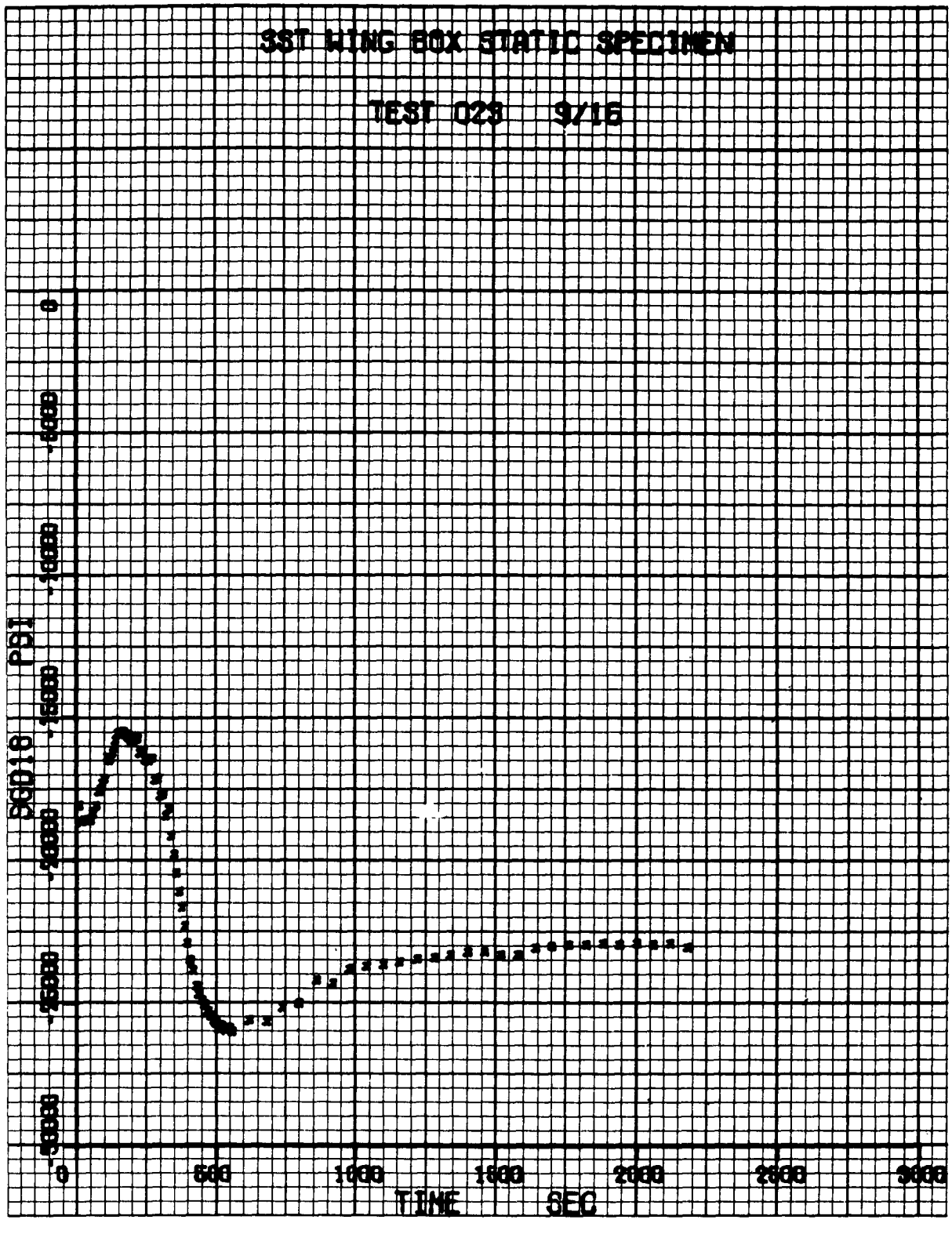
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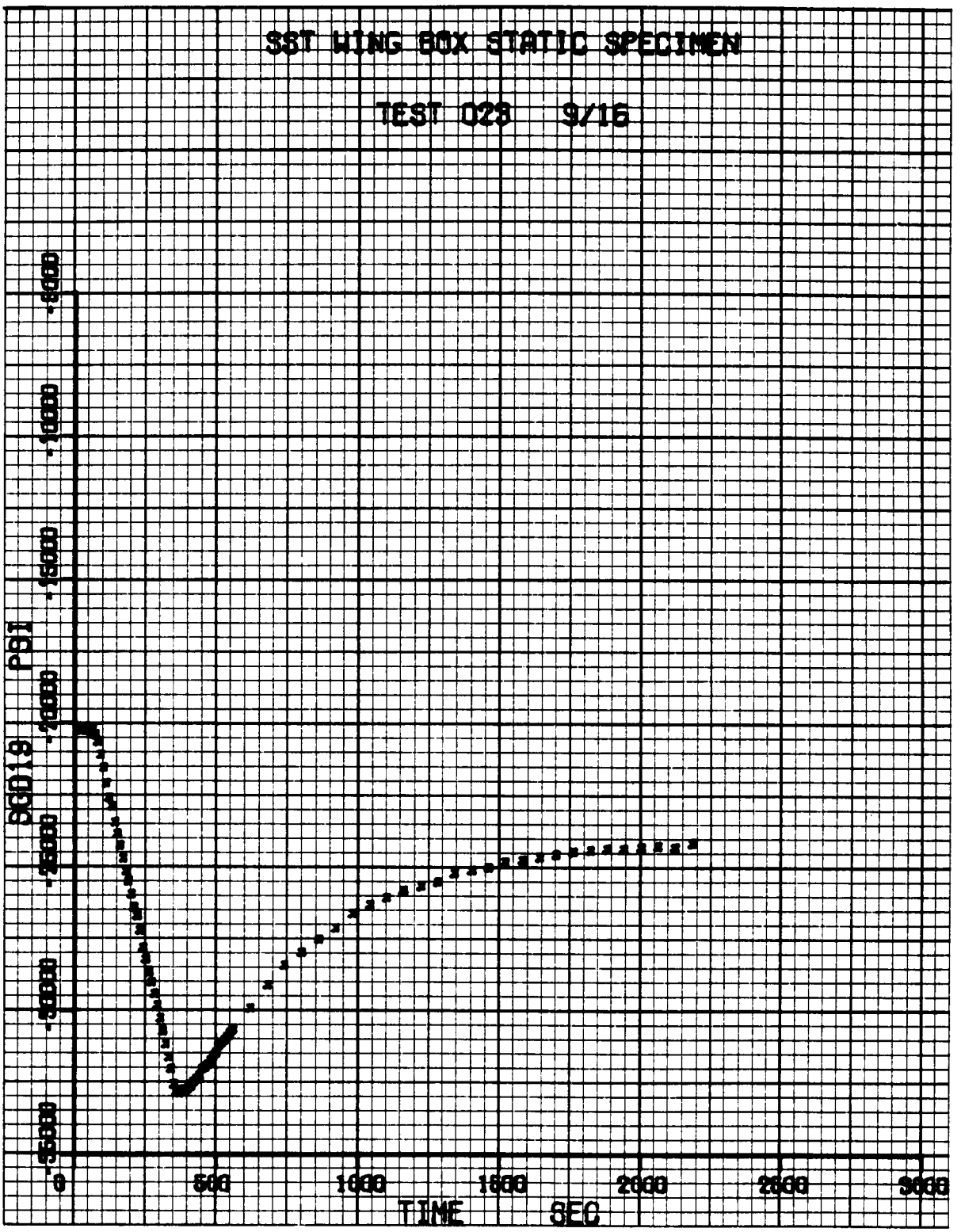
TIME SEC


SST WING BOX STATIC SPECIMEN
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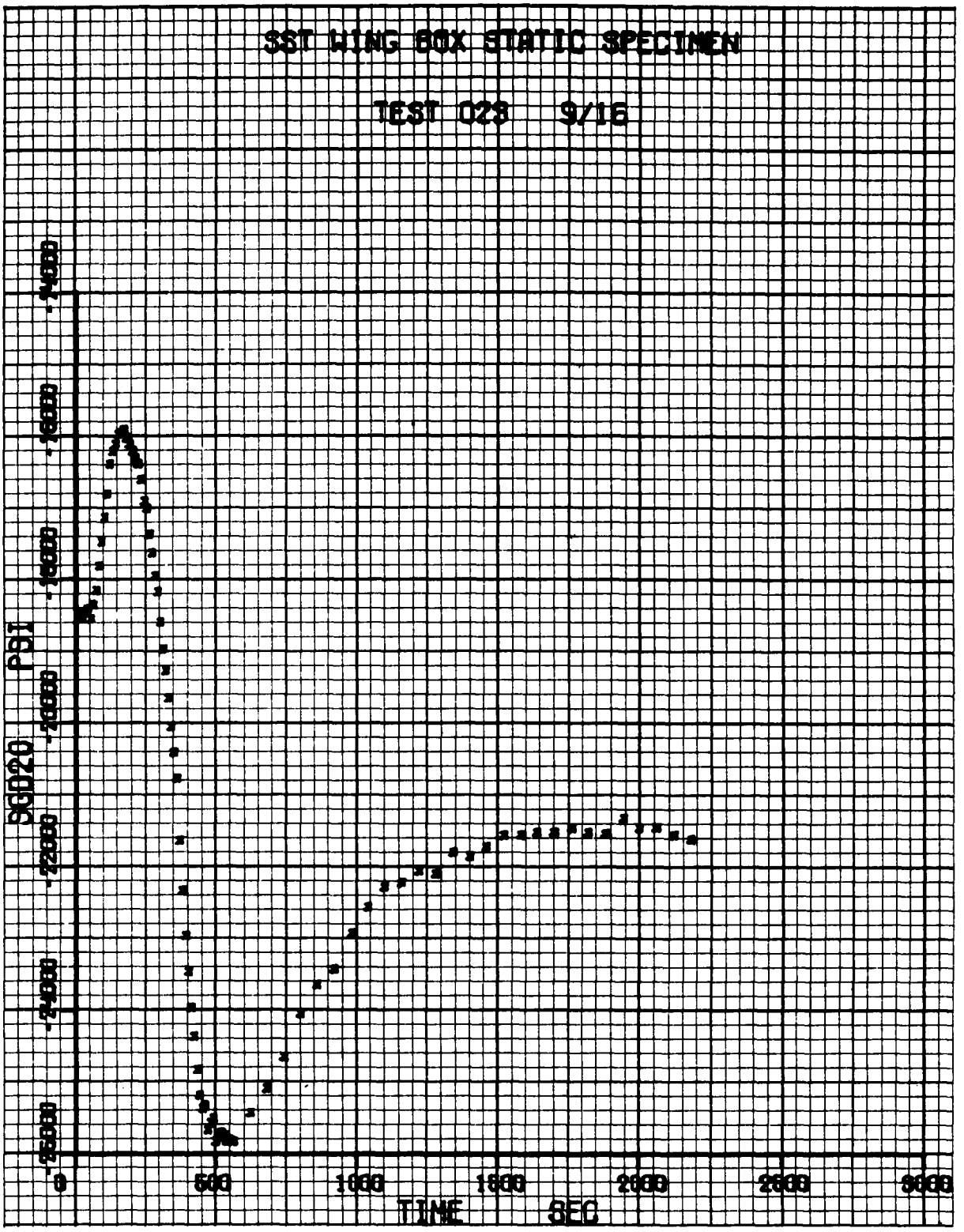
2500
3000
TIME SEC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PSI
TIME
SEC
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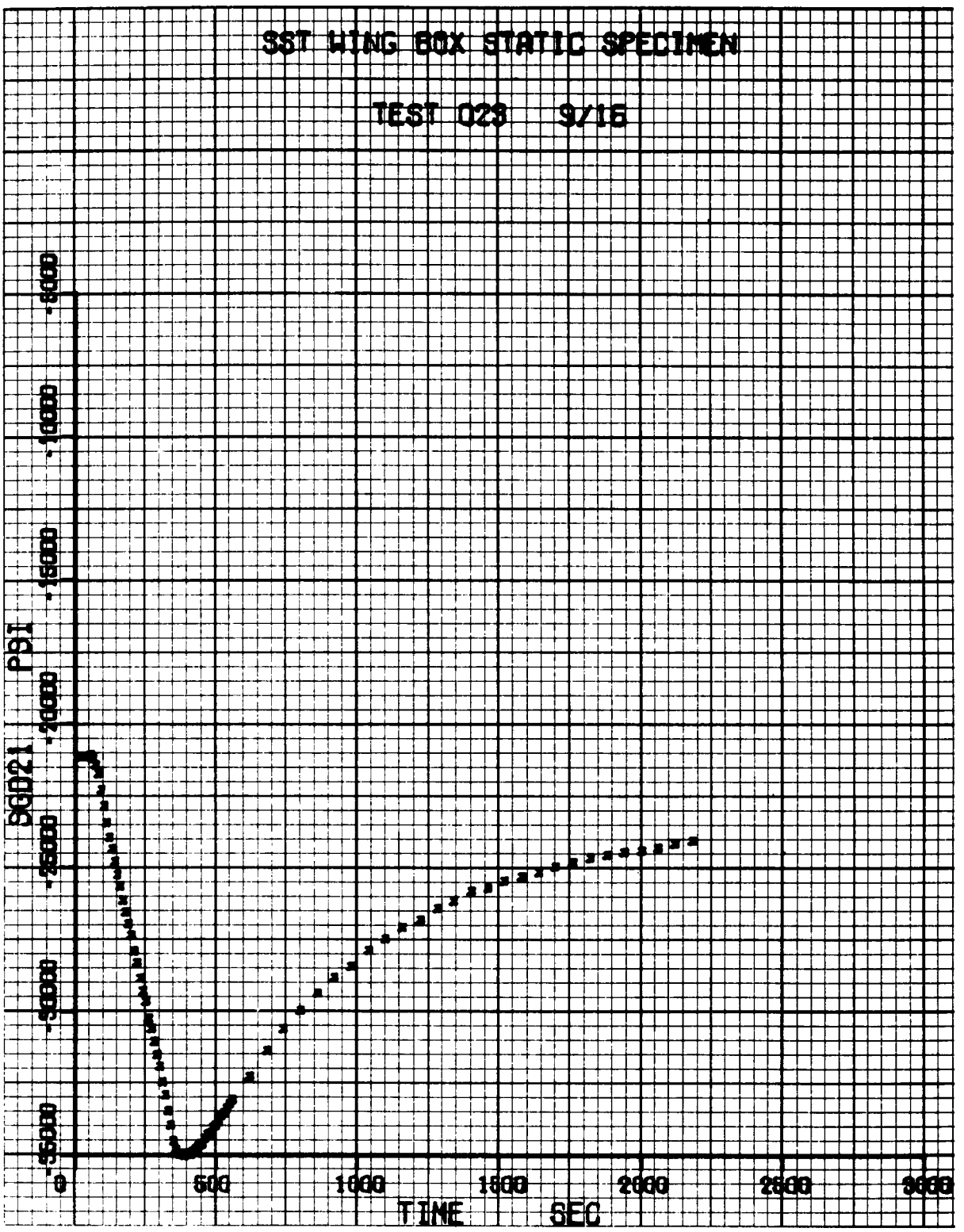
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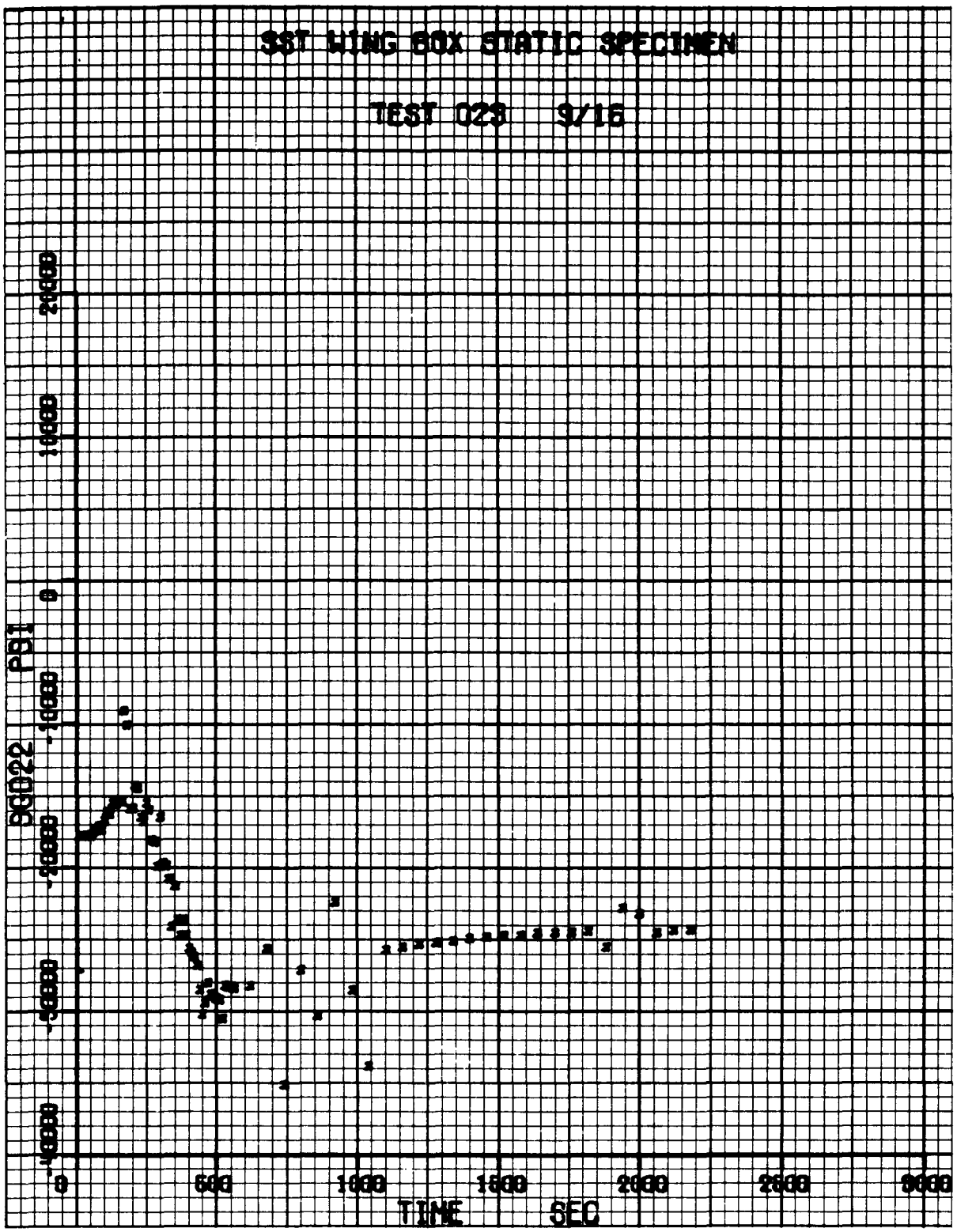
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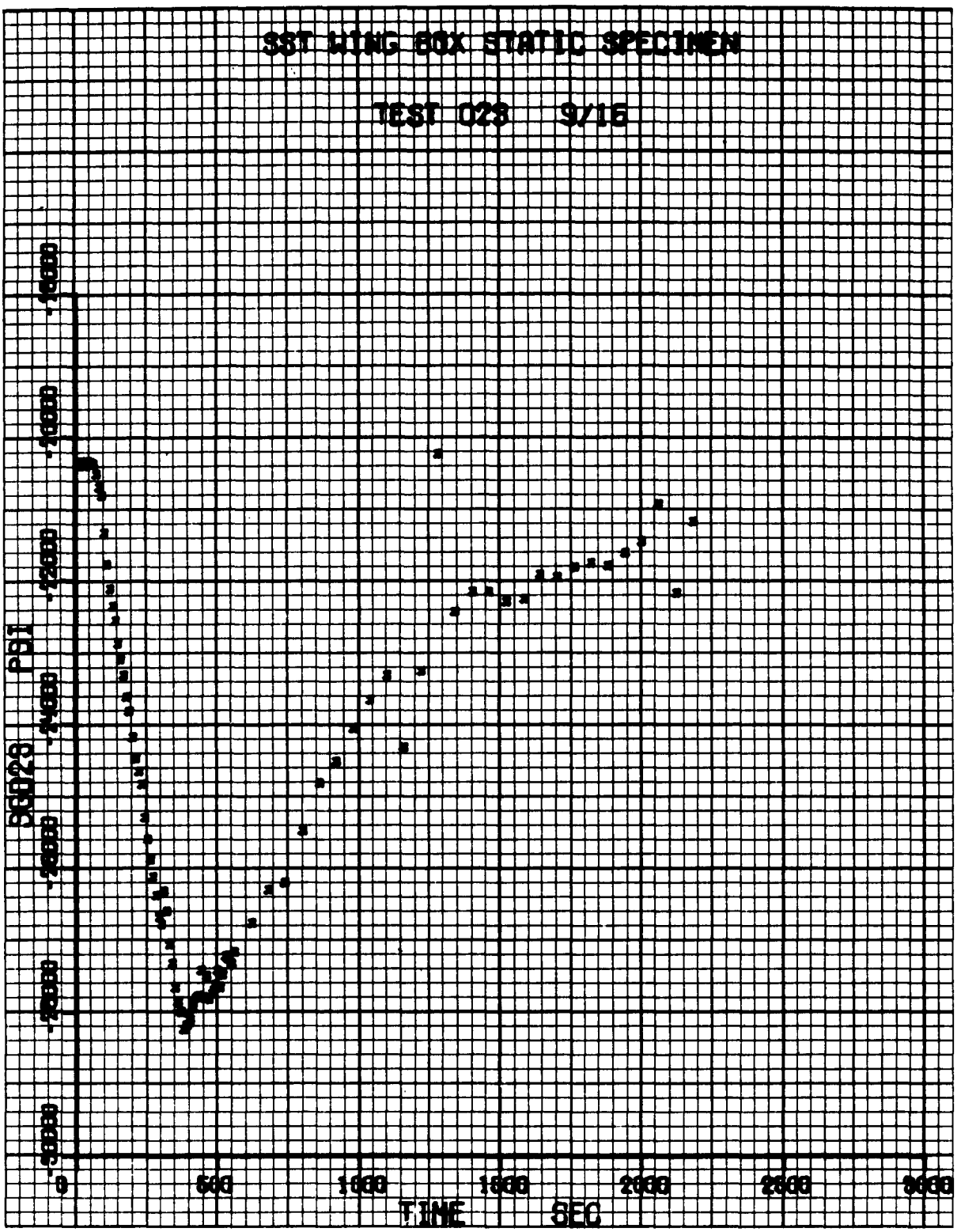
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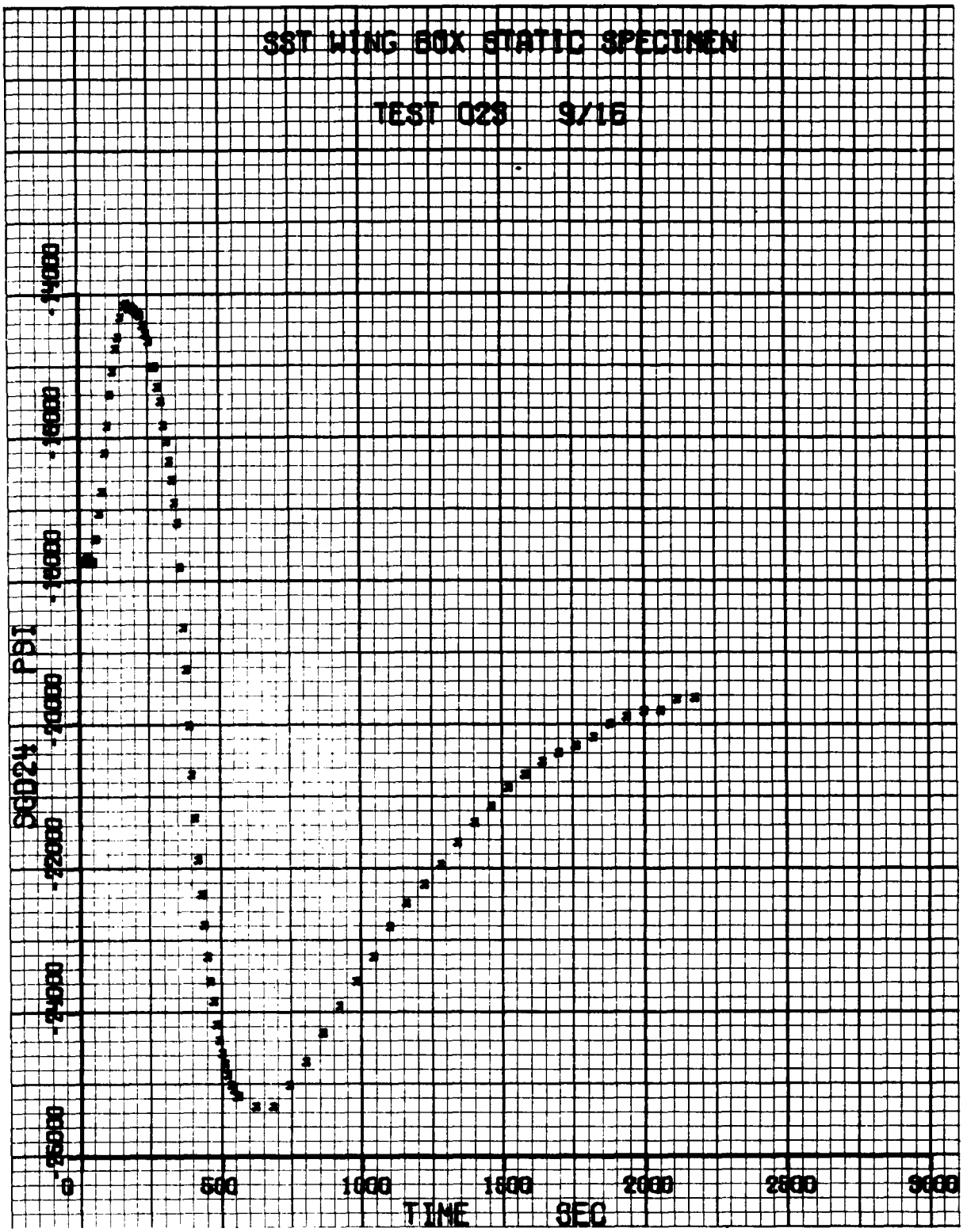
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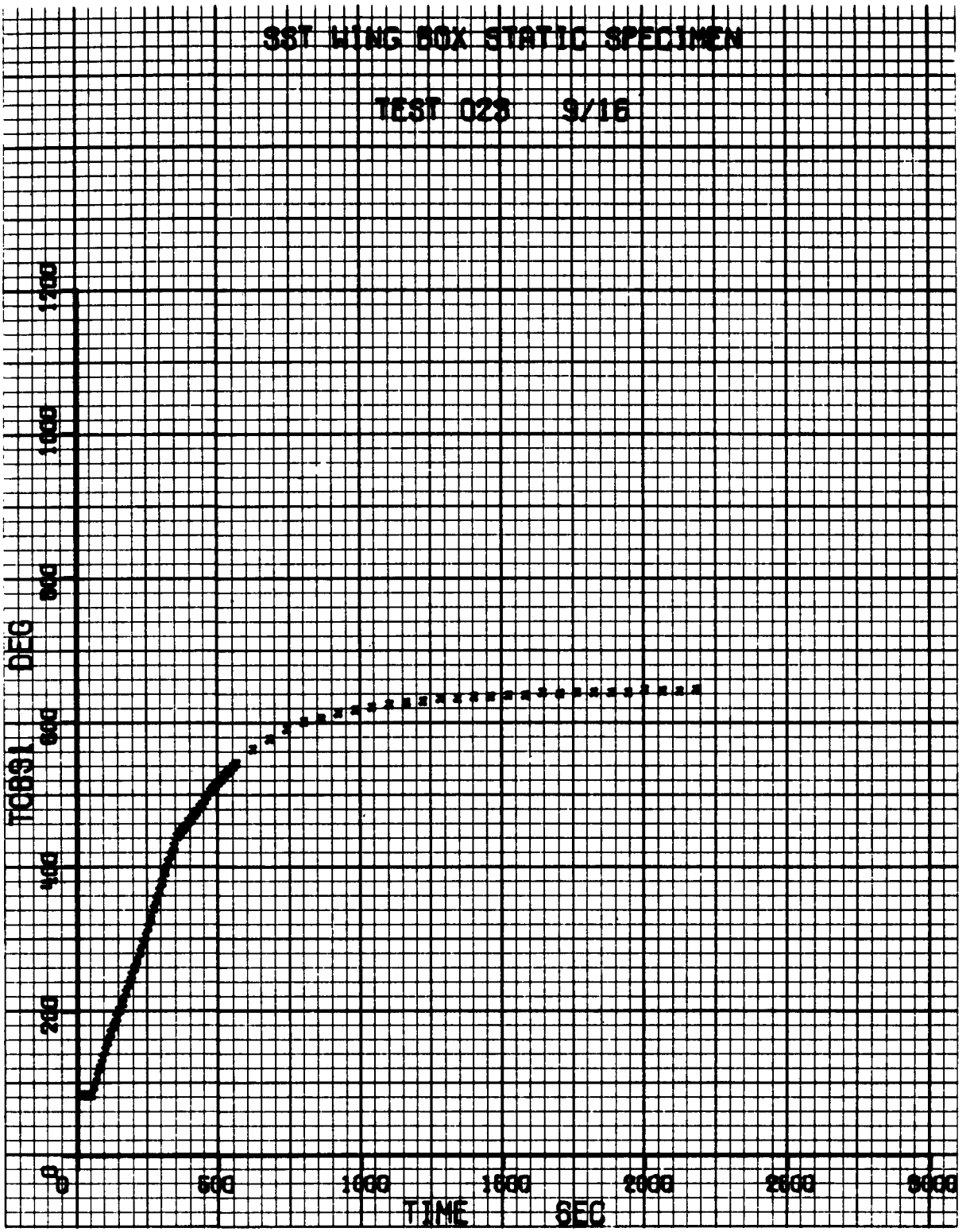
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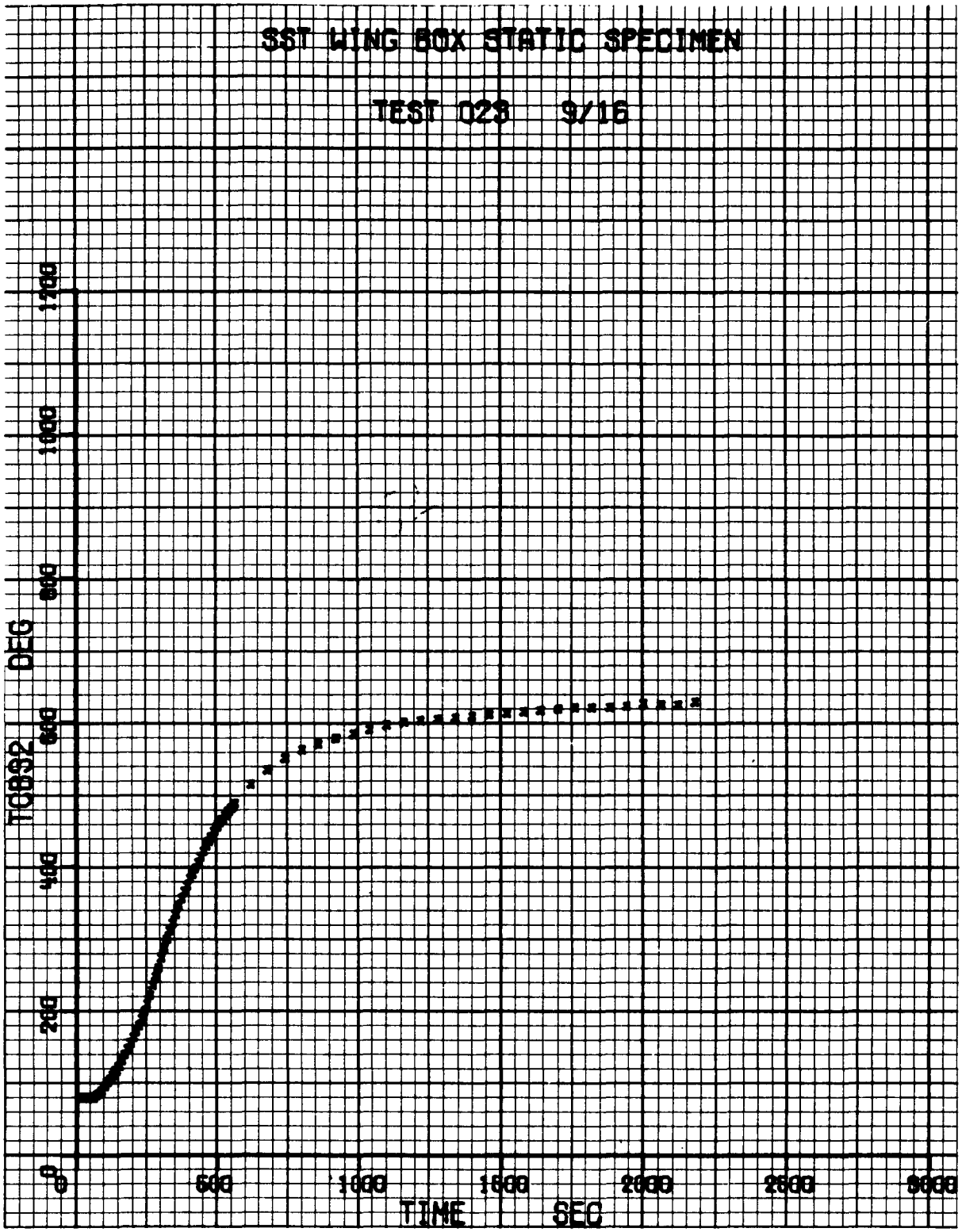
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TIME
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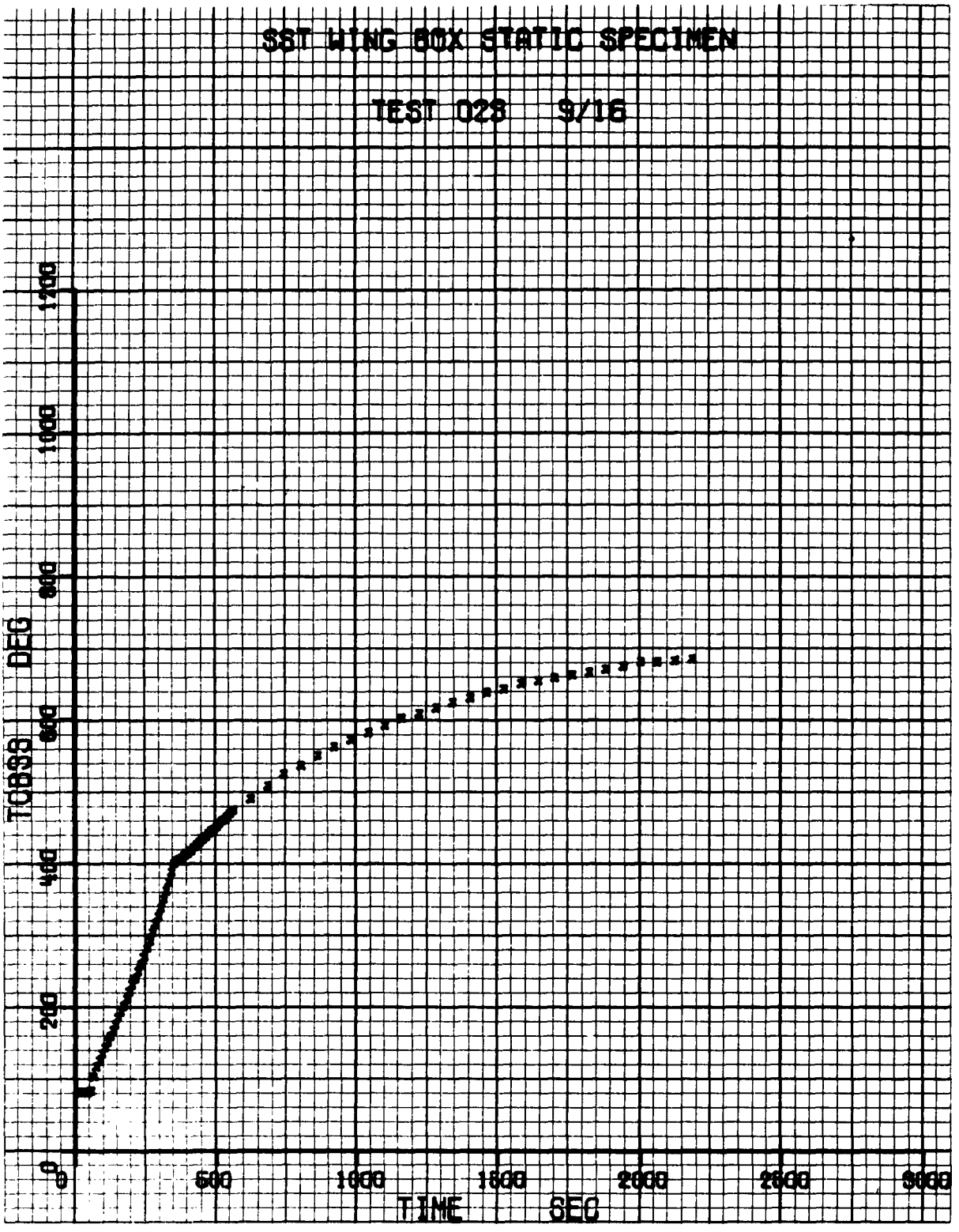
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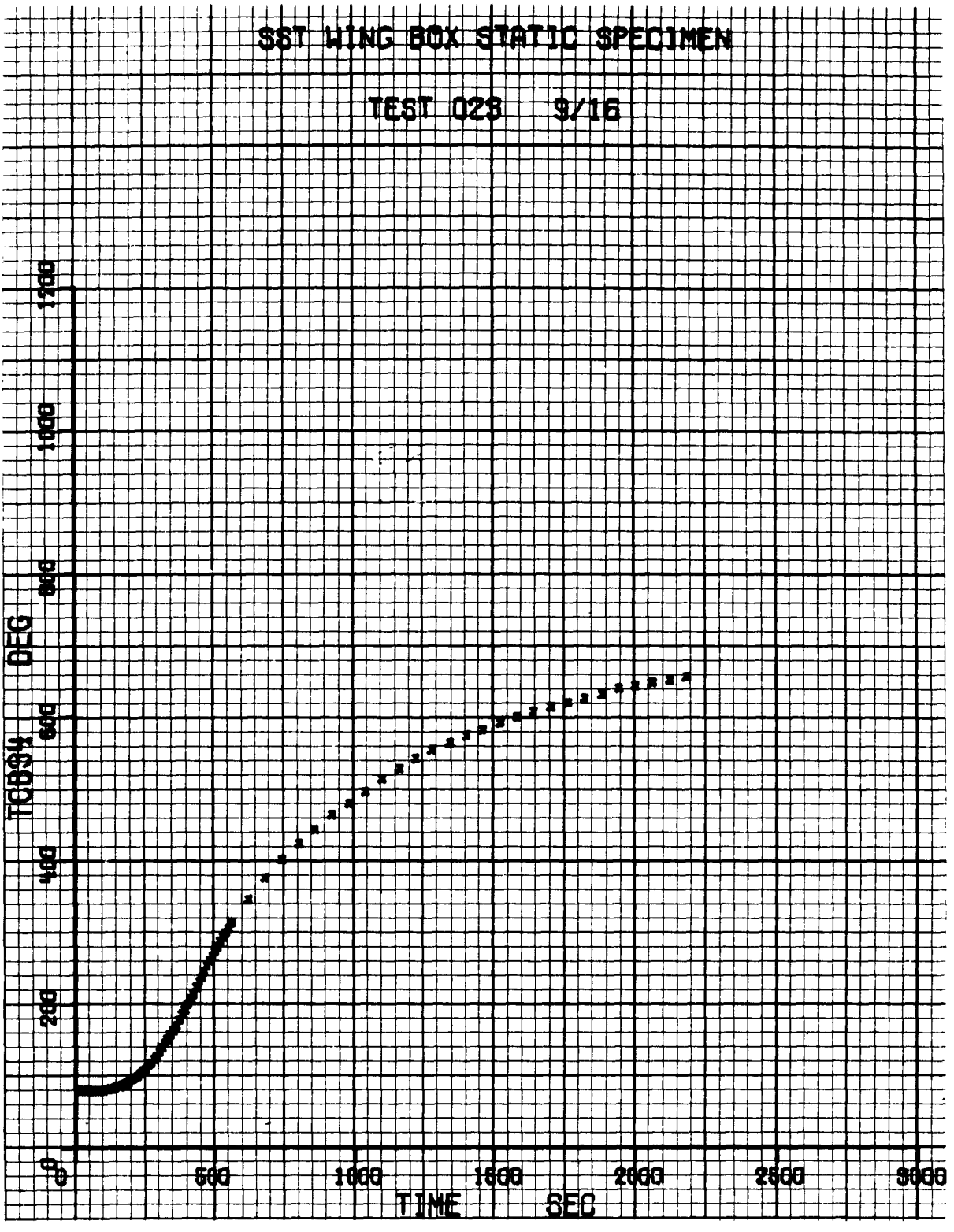
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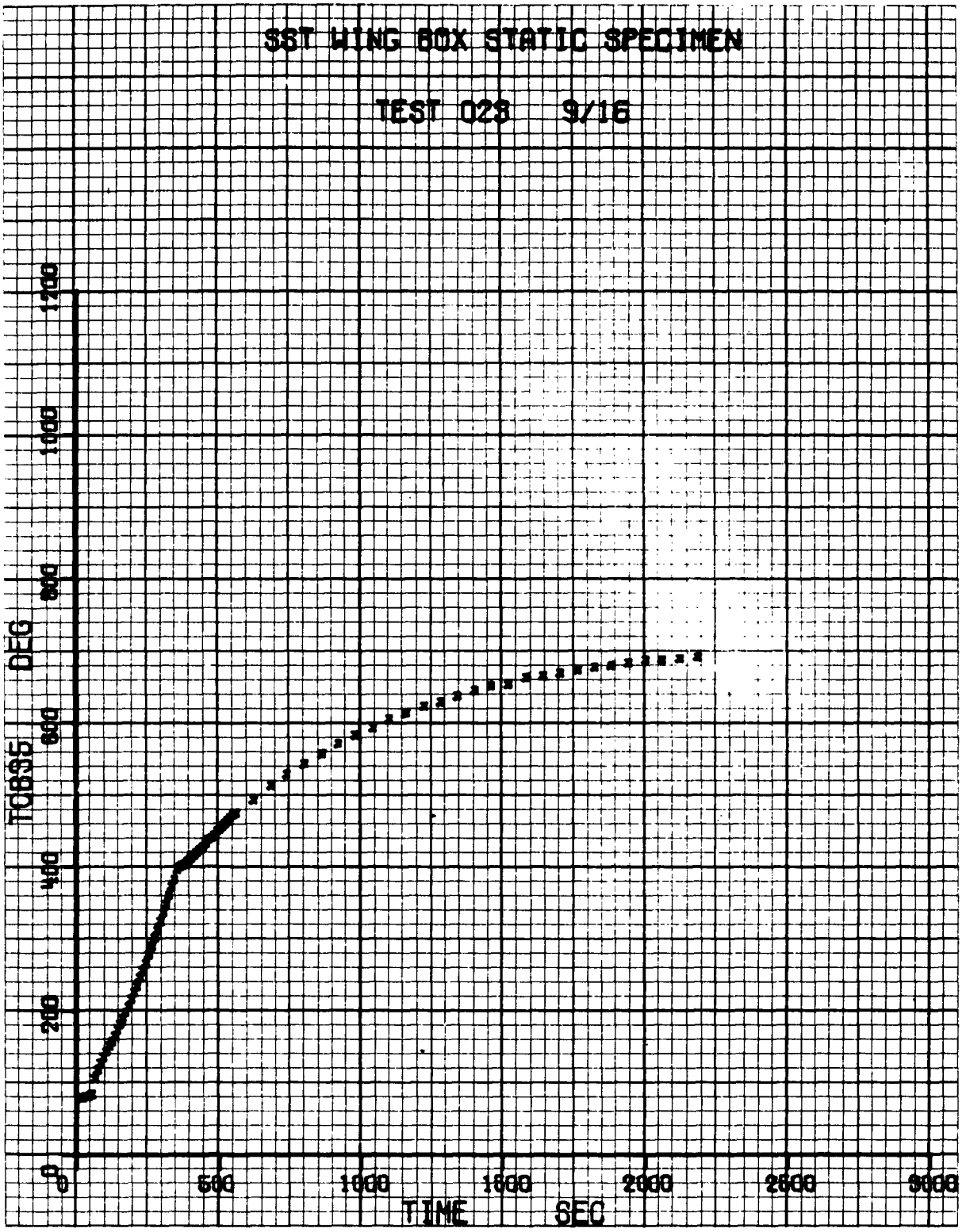
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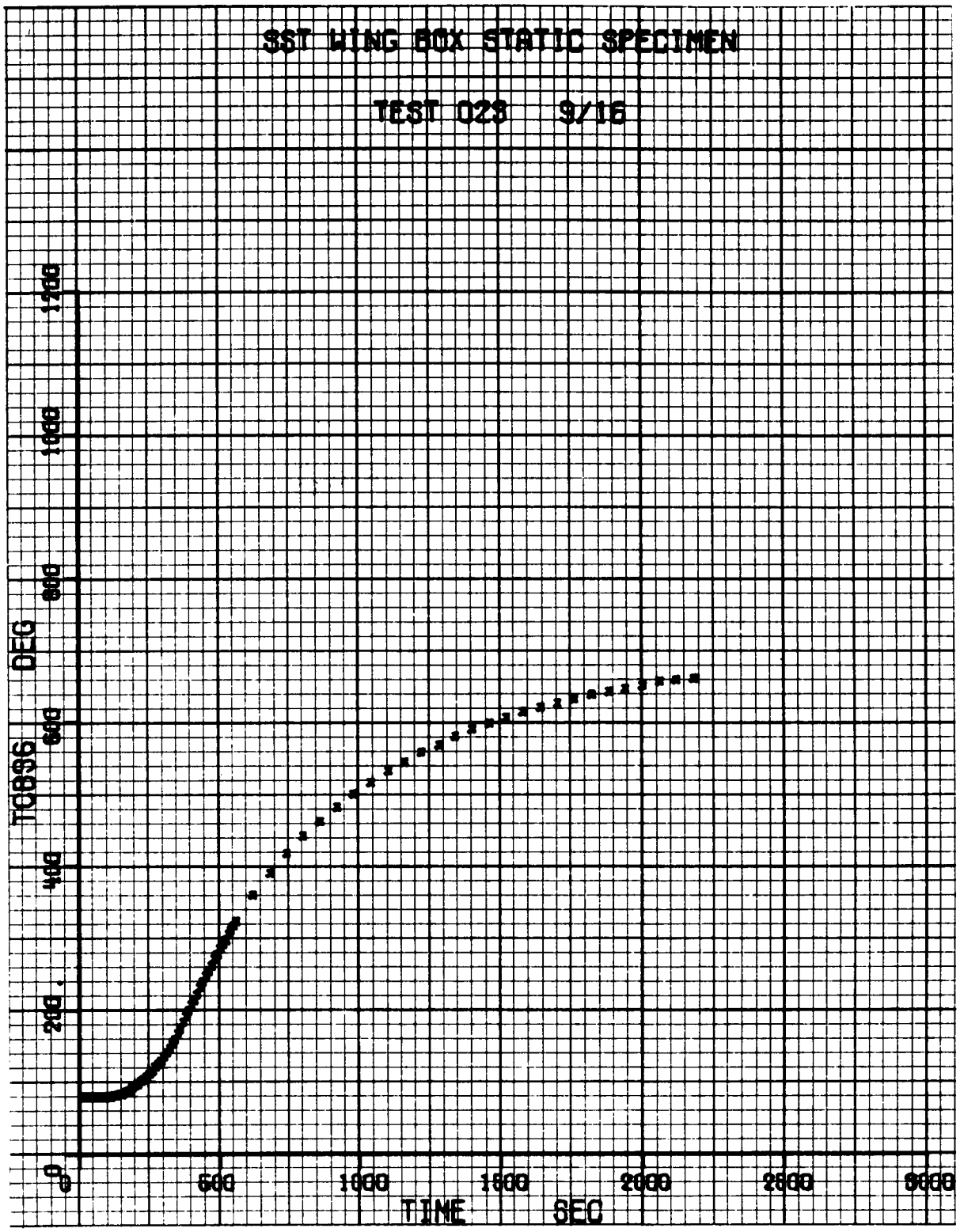
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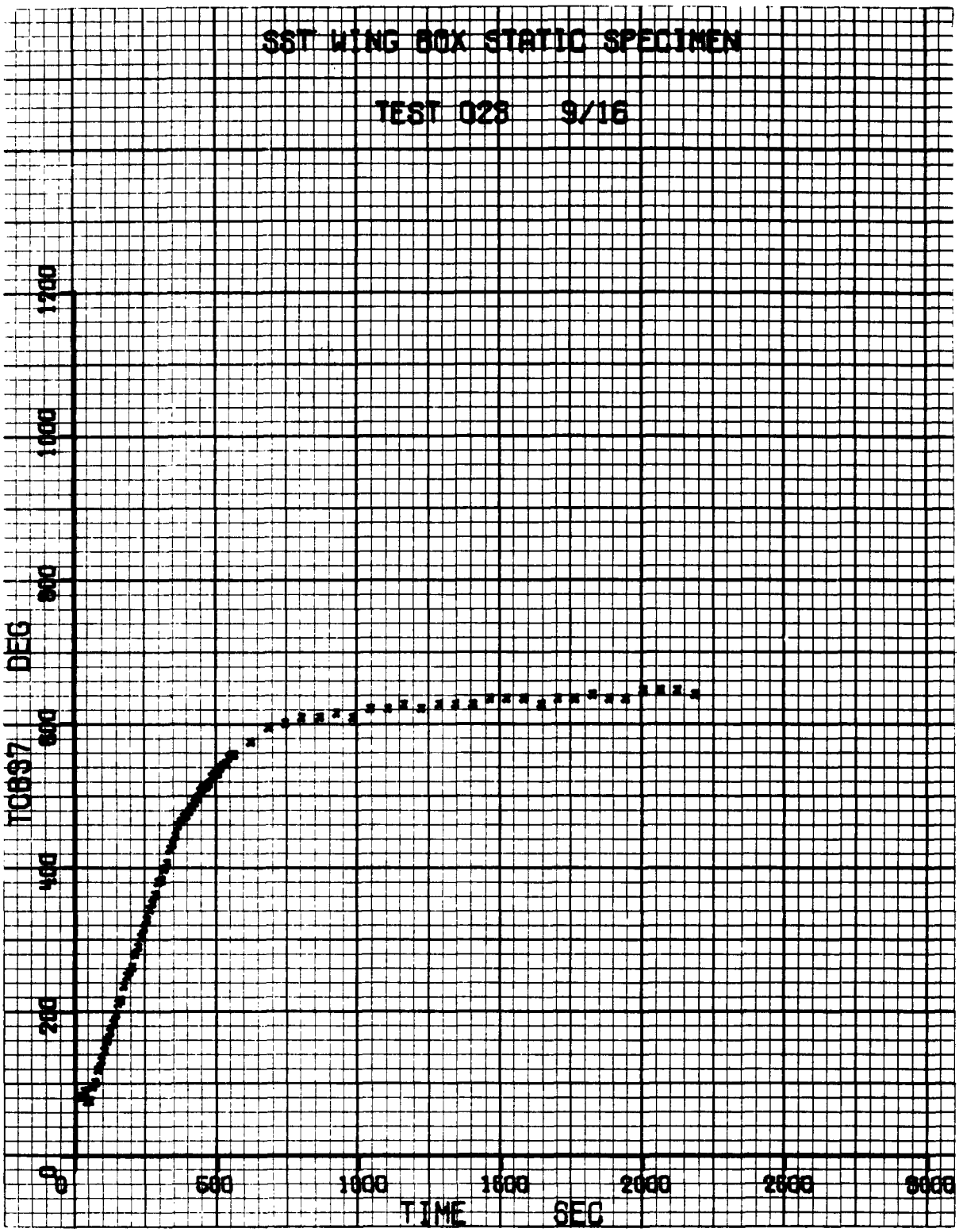
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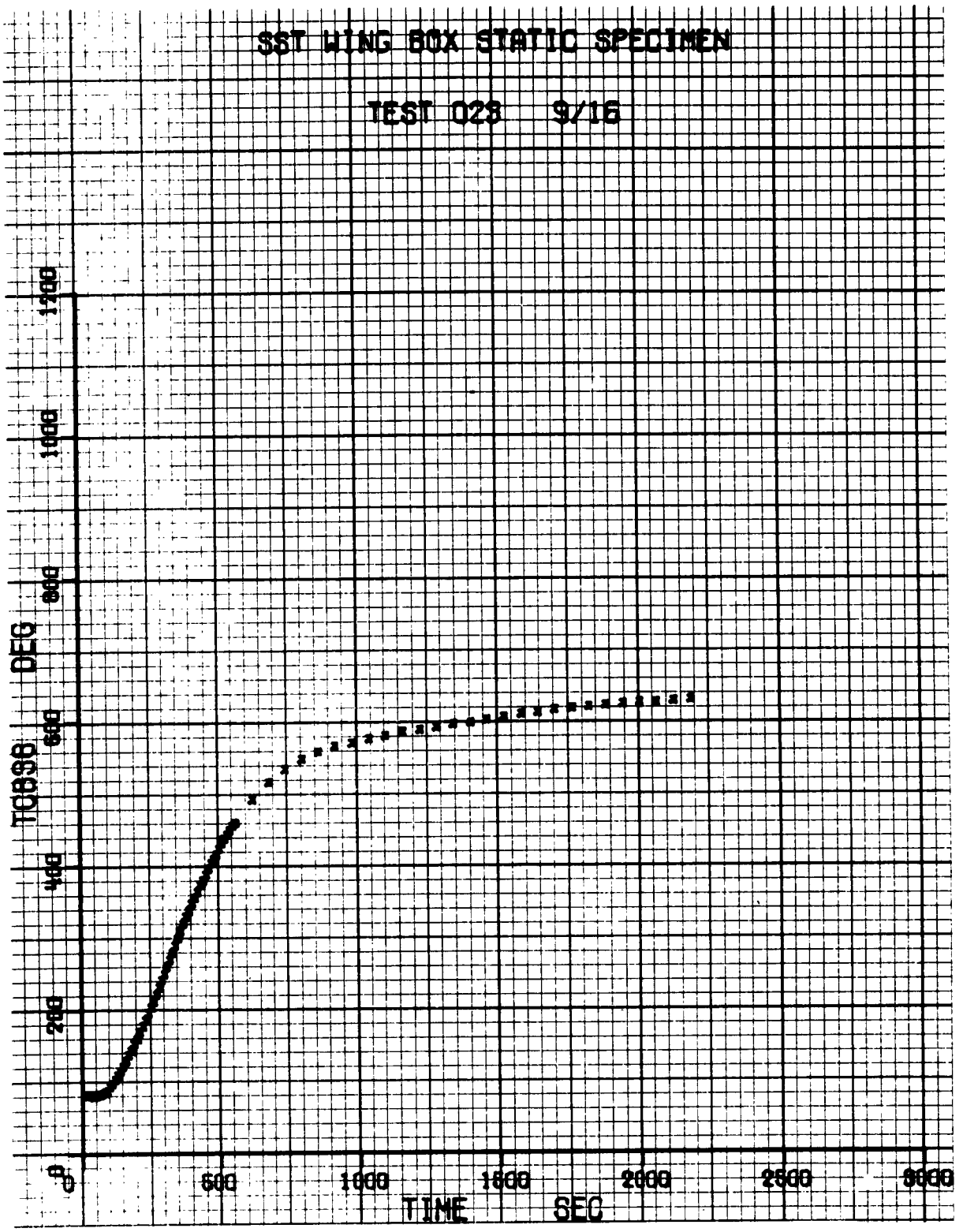
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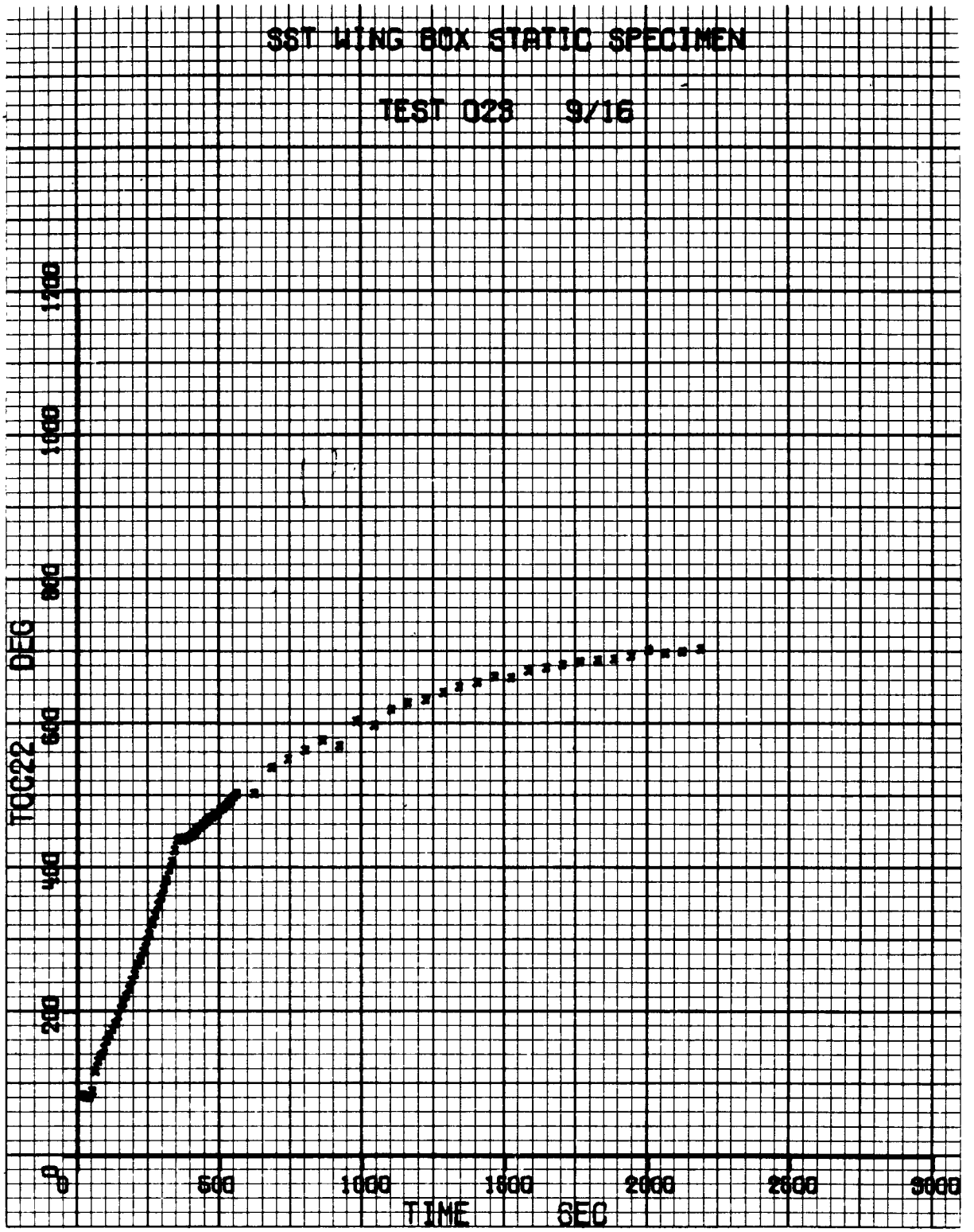
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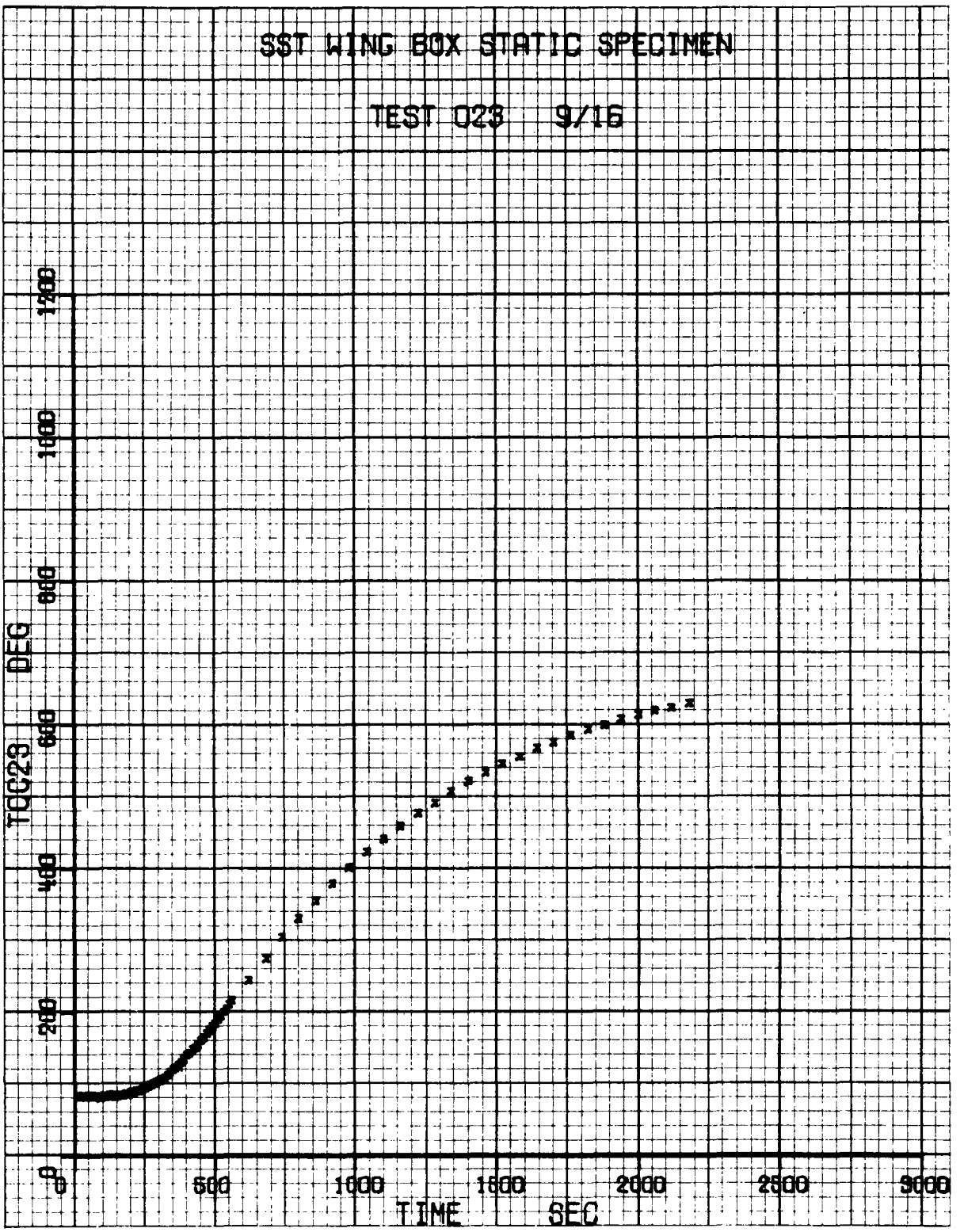
TIME SEC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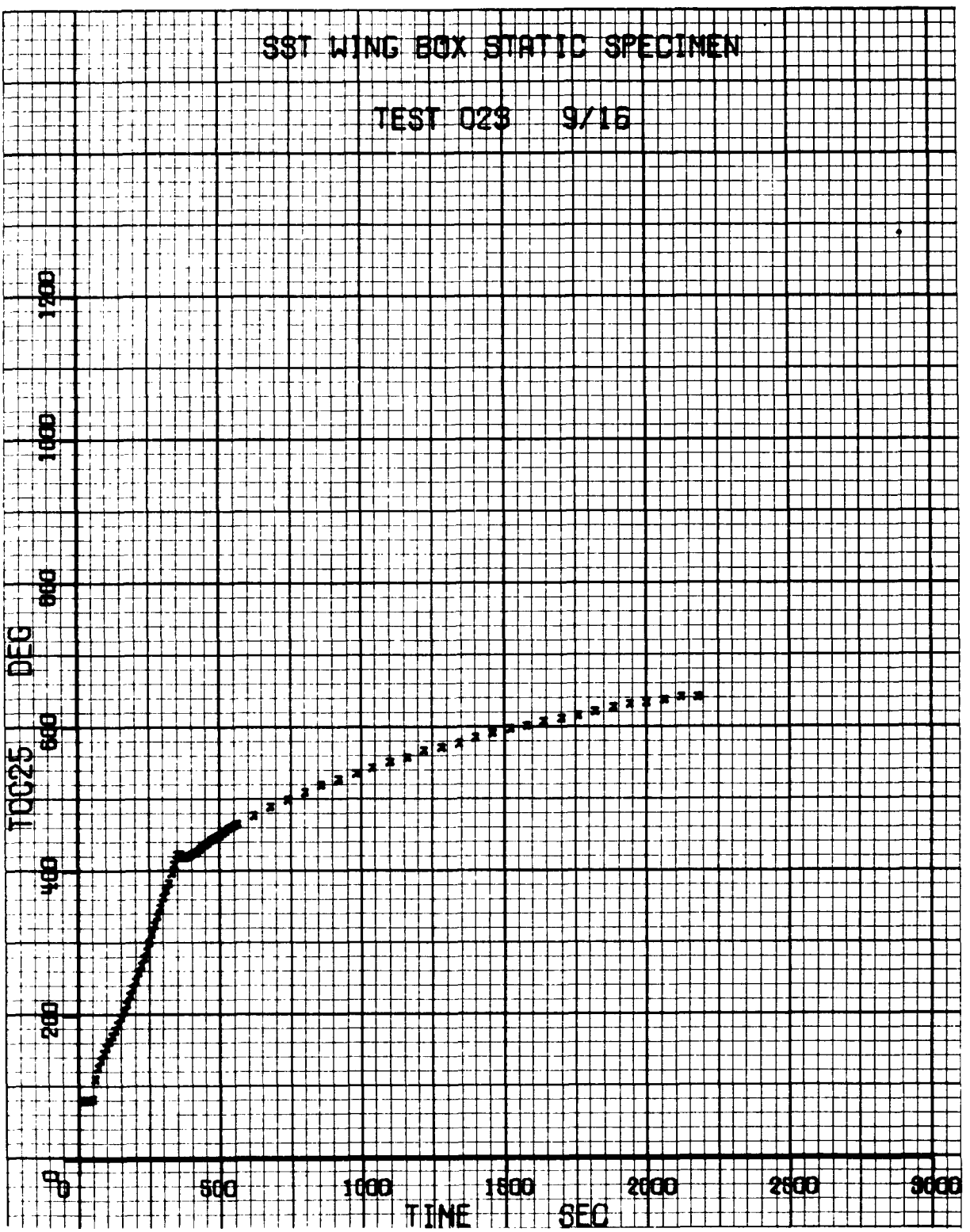
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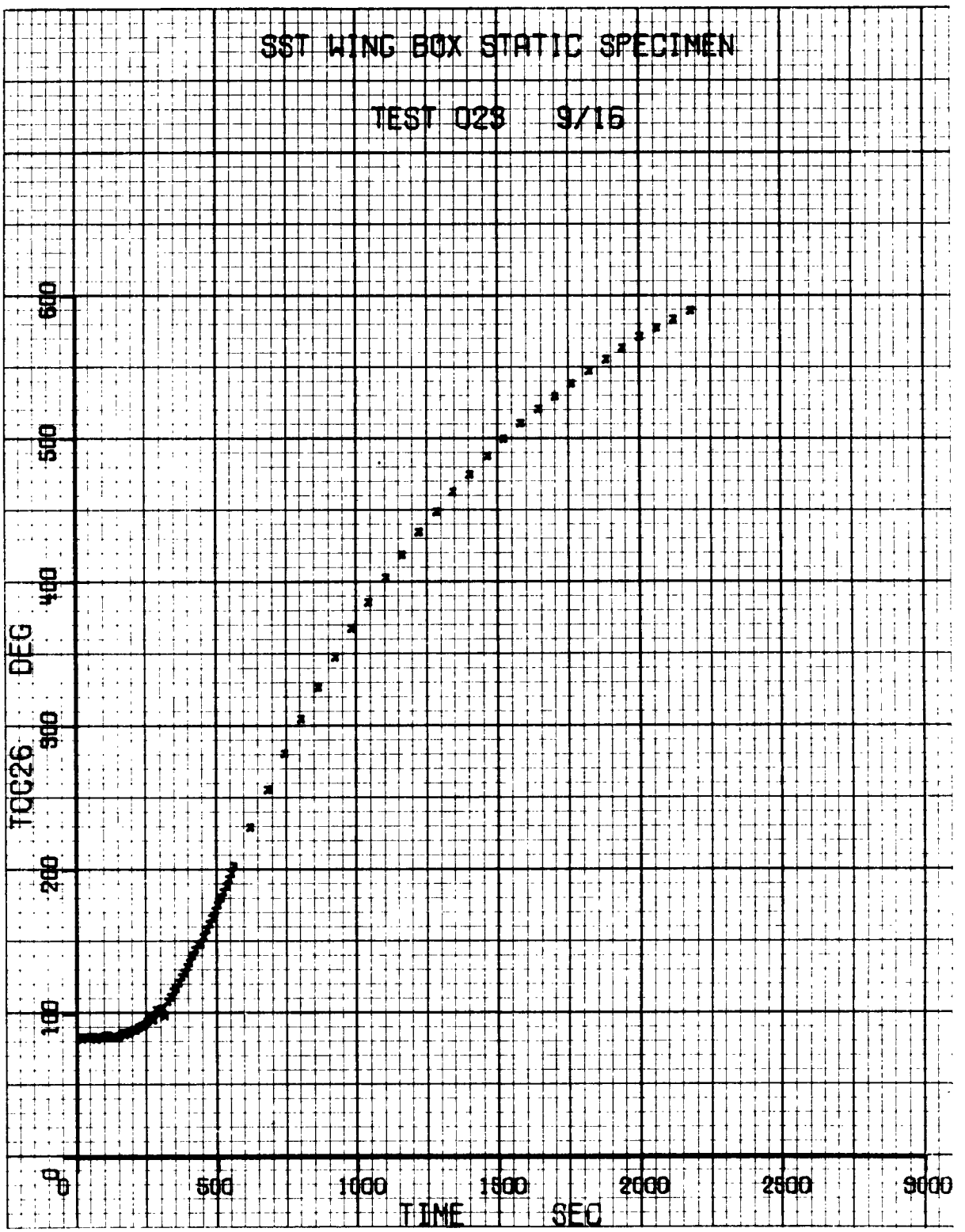
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
TQC26 DEG
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2000
2500
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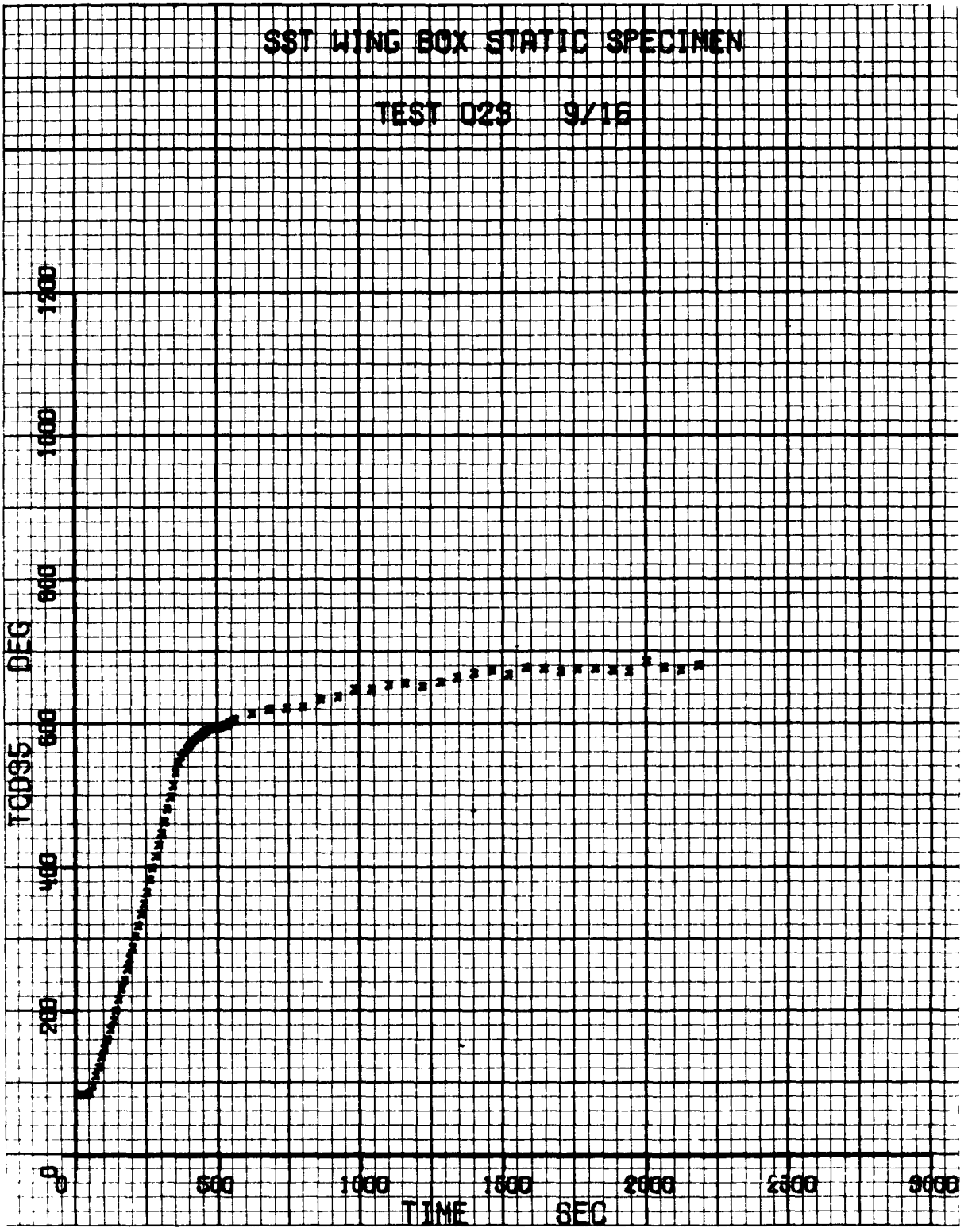
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
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800
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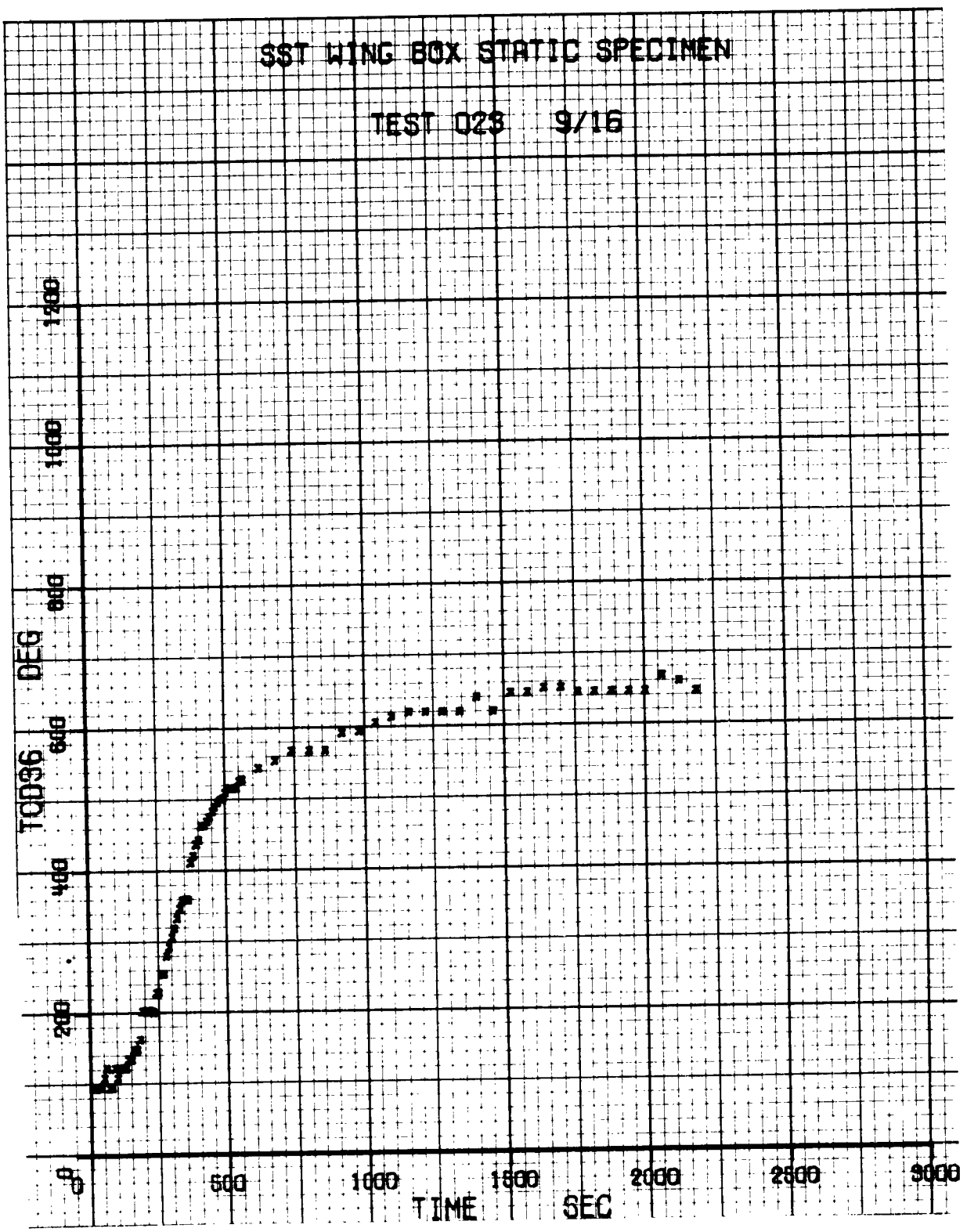
TIME SEC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2500
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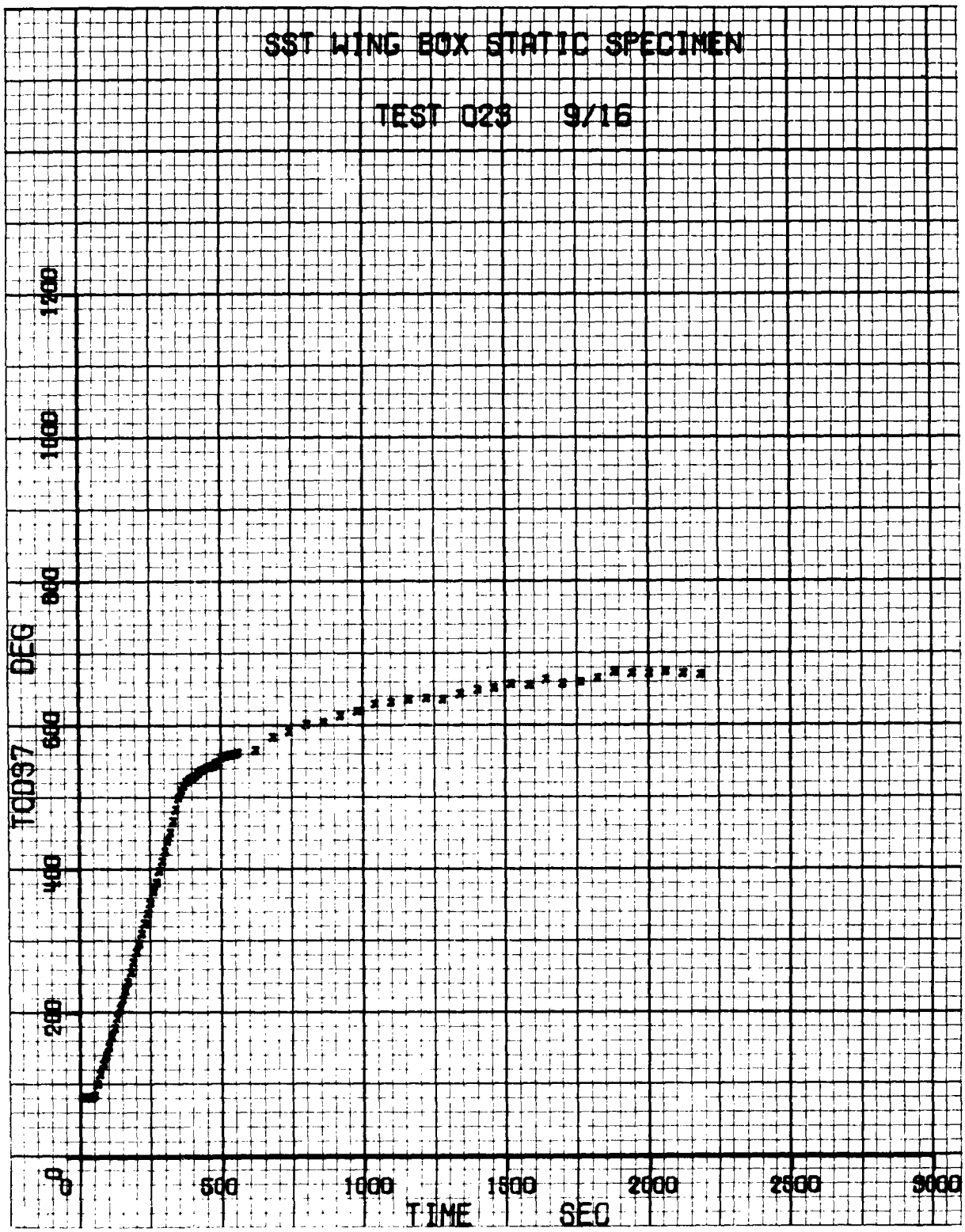
TIME SEC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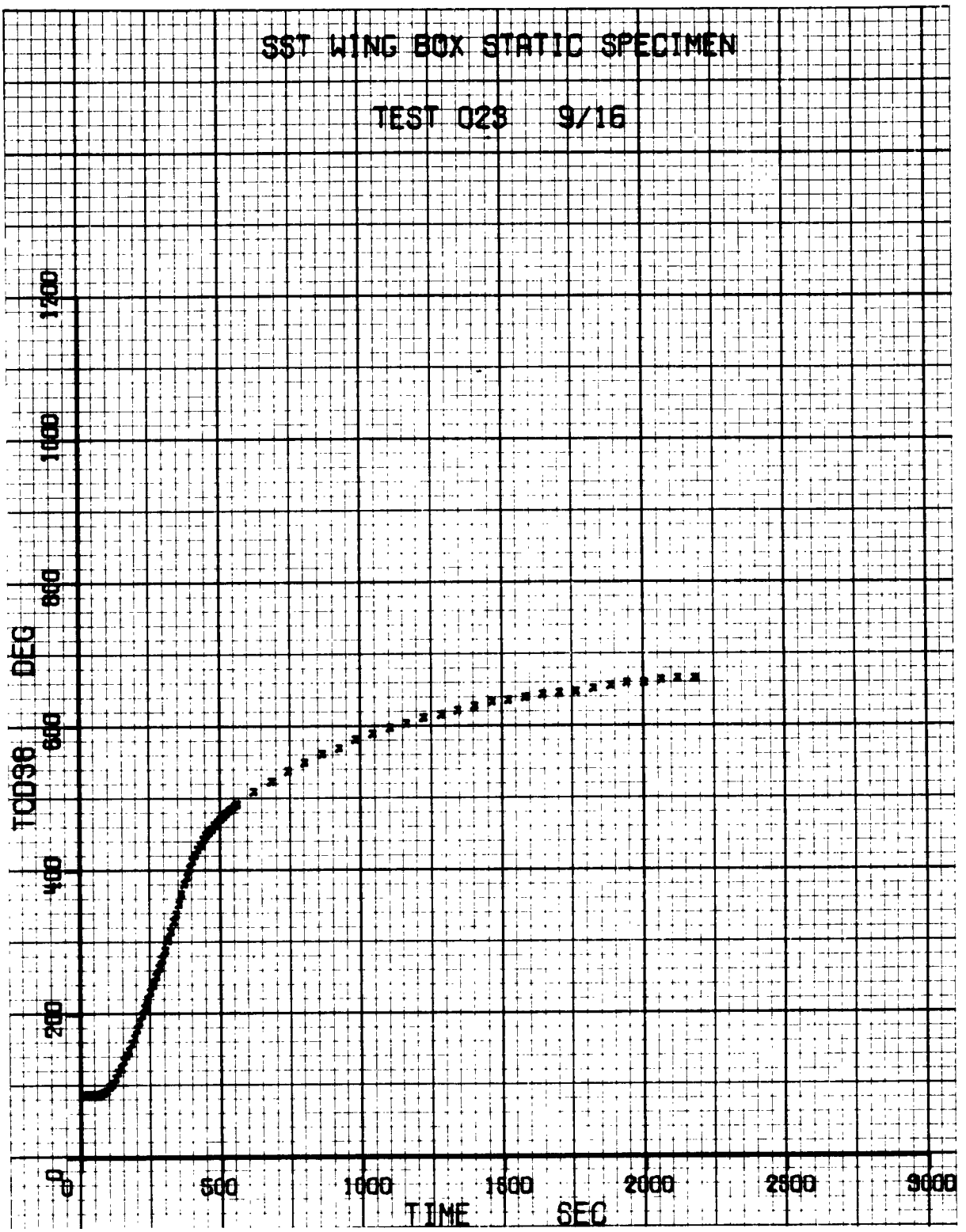
TIME SEC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2500
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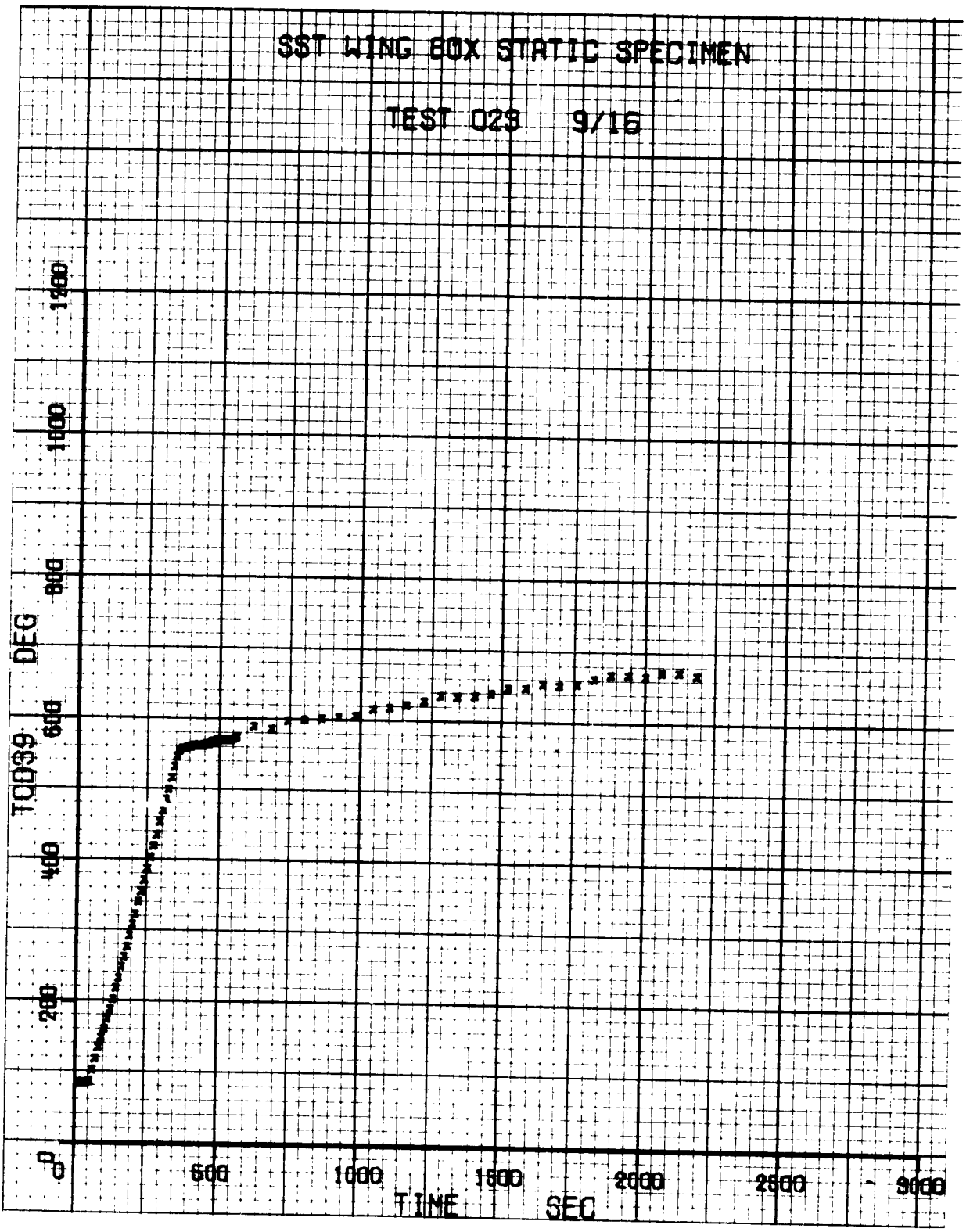
TIME SEC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TIME SEC
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2500
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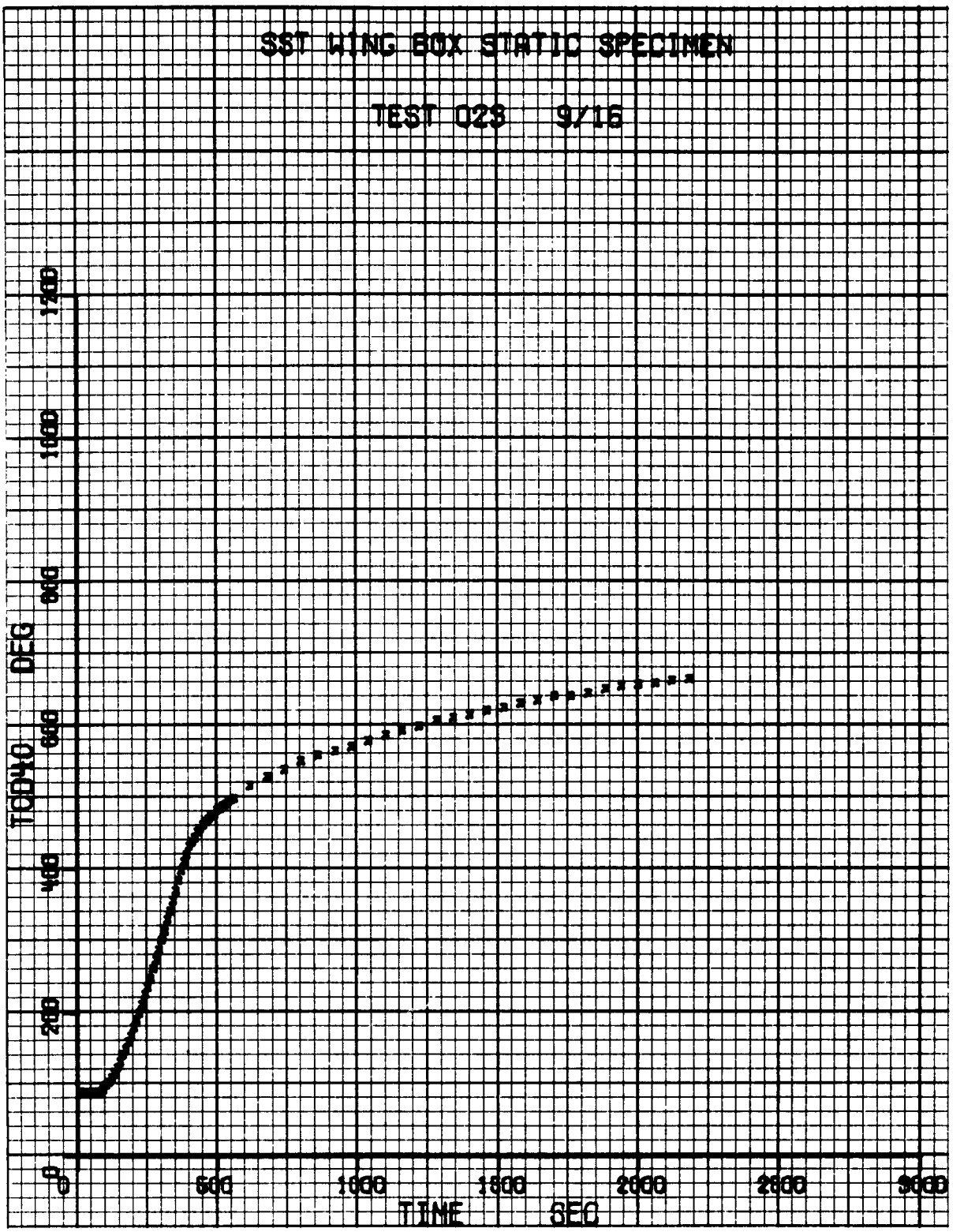
SST WING BOX STATIC SPECIMEN
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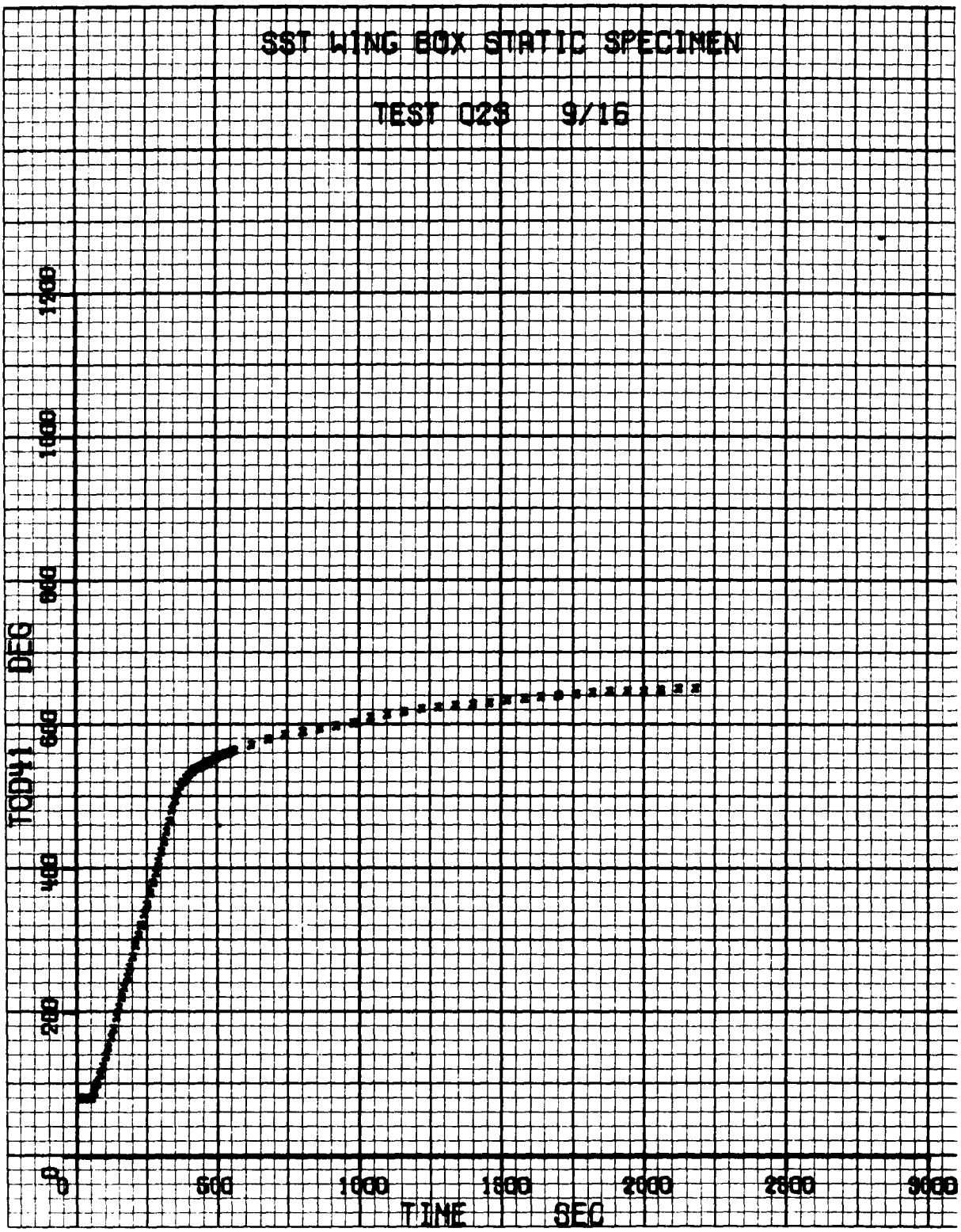
TIME SEC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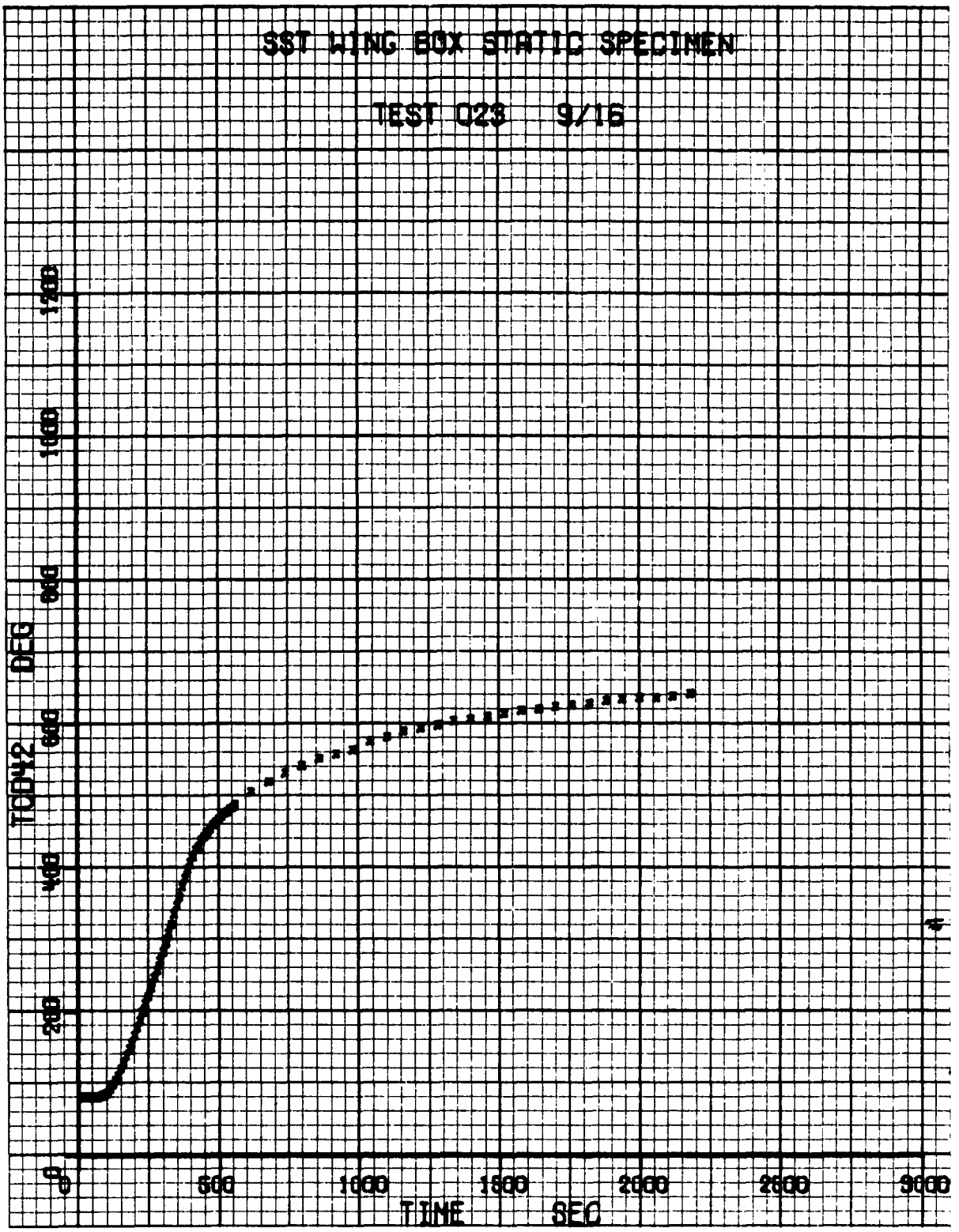
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
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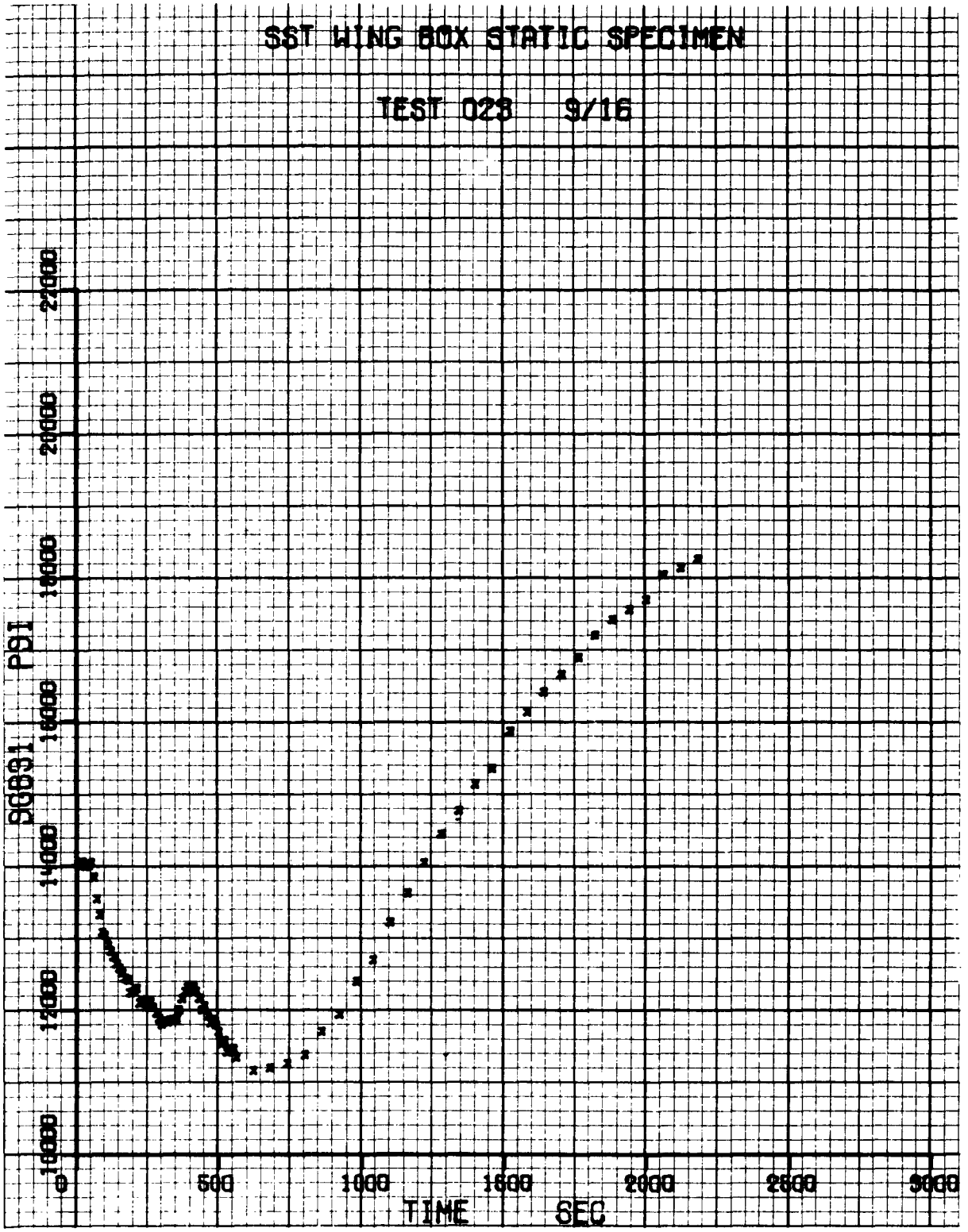
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
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18000
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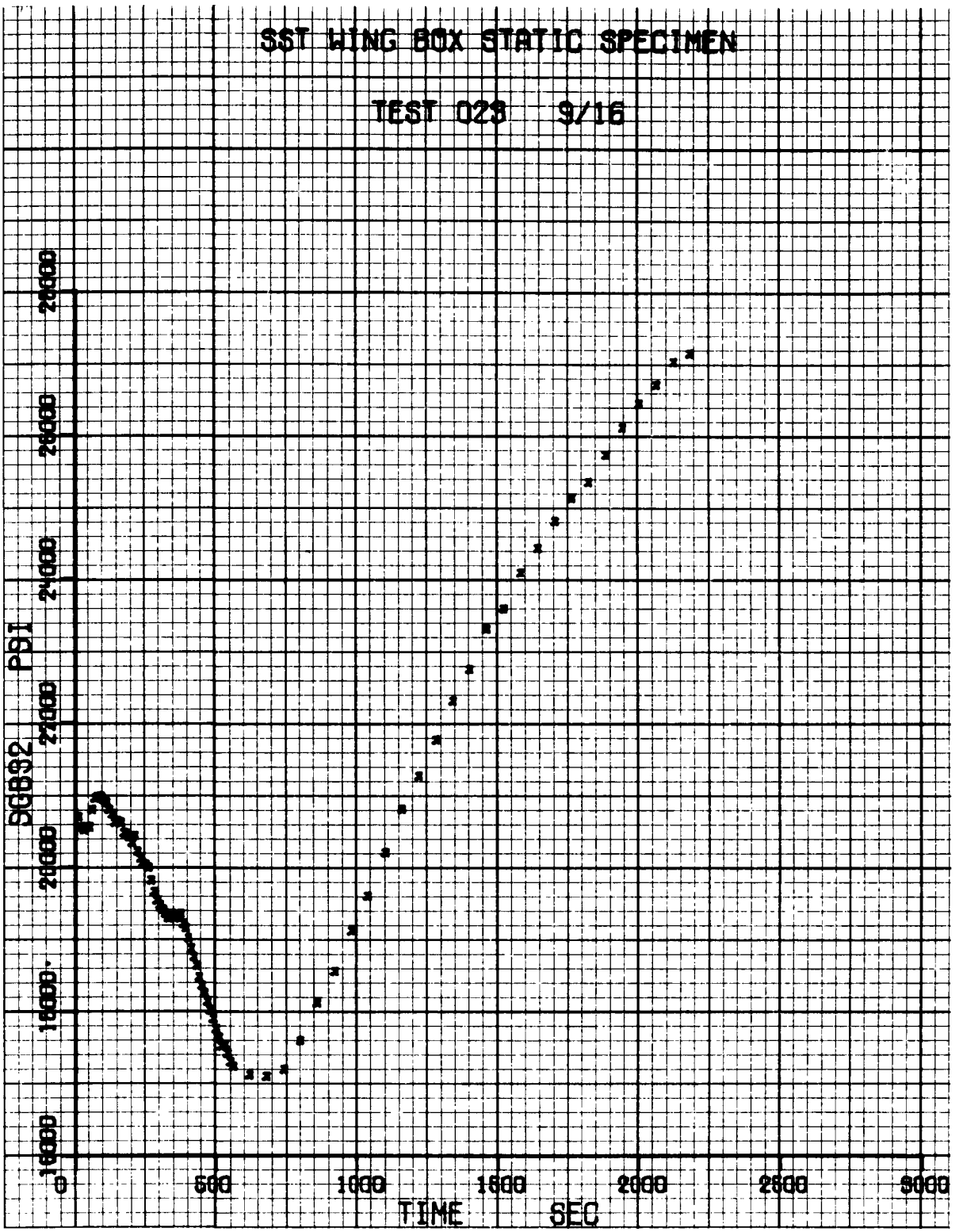
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGB52
PSI
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19000
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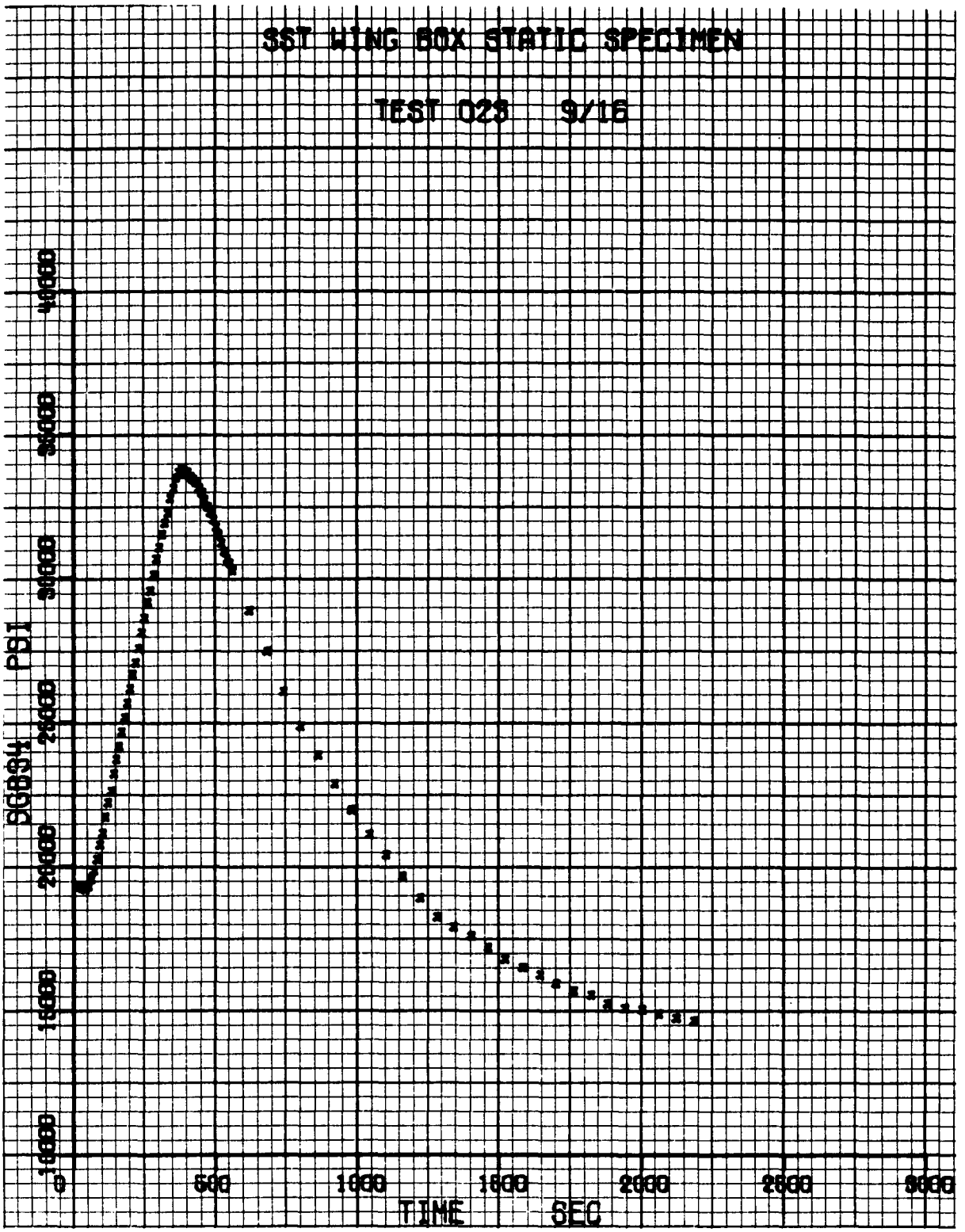
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGB34 PSI
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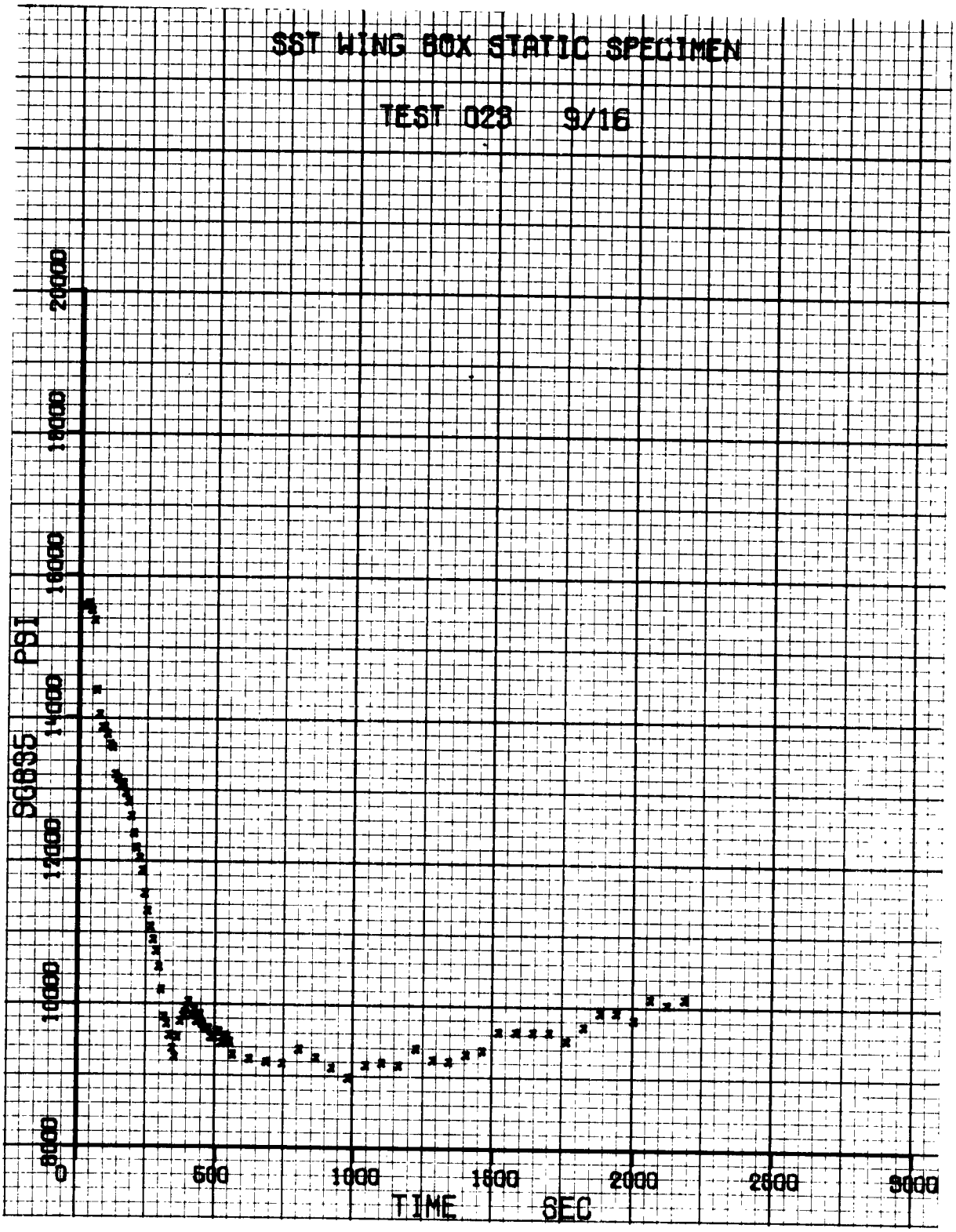
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SG835 PSI
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16000
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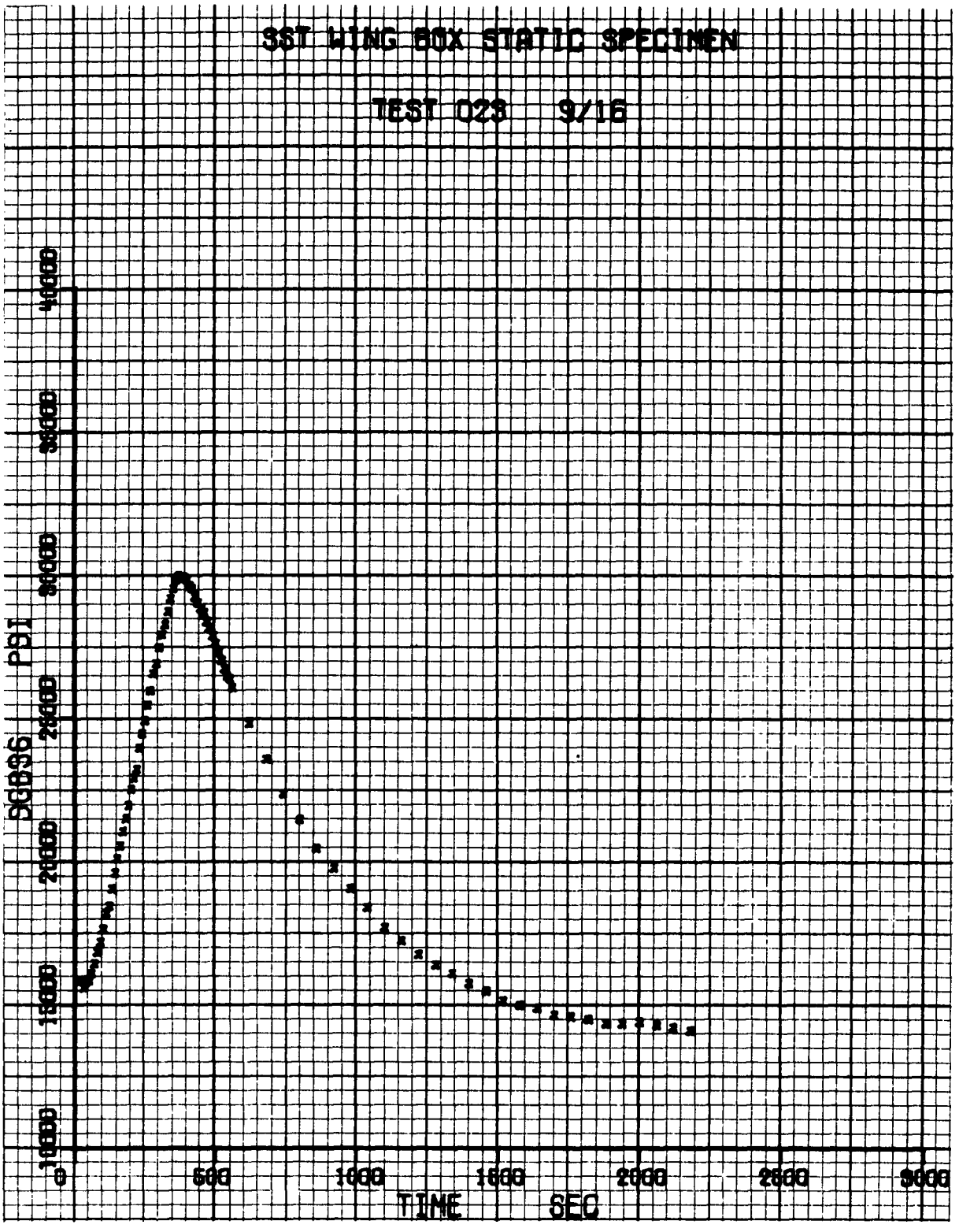
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SG836 PSI
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20000
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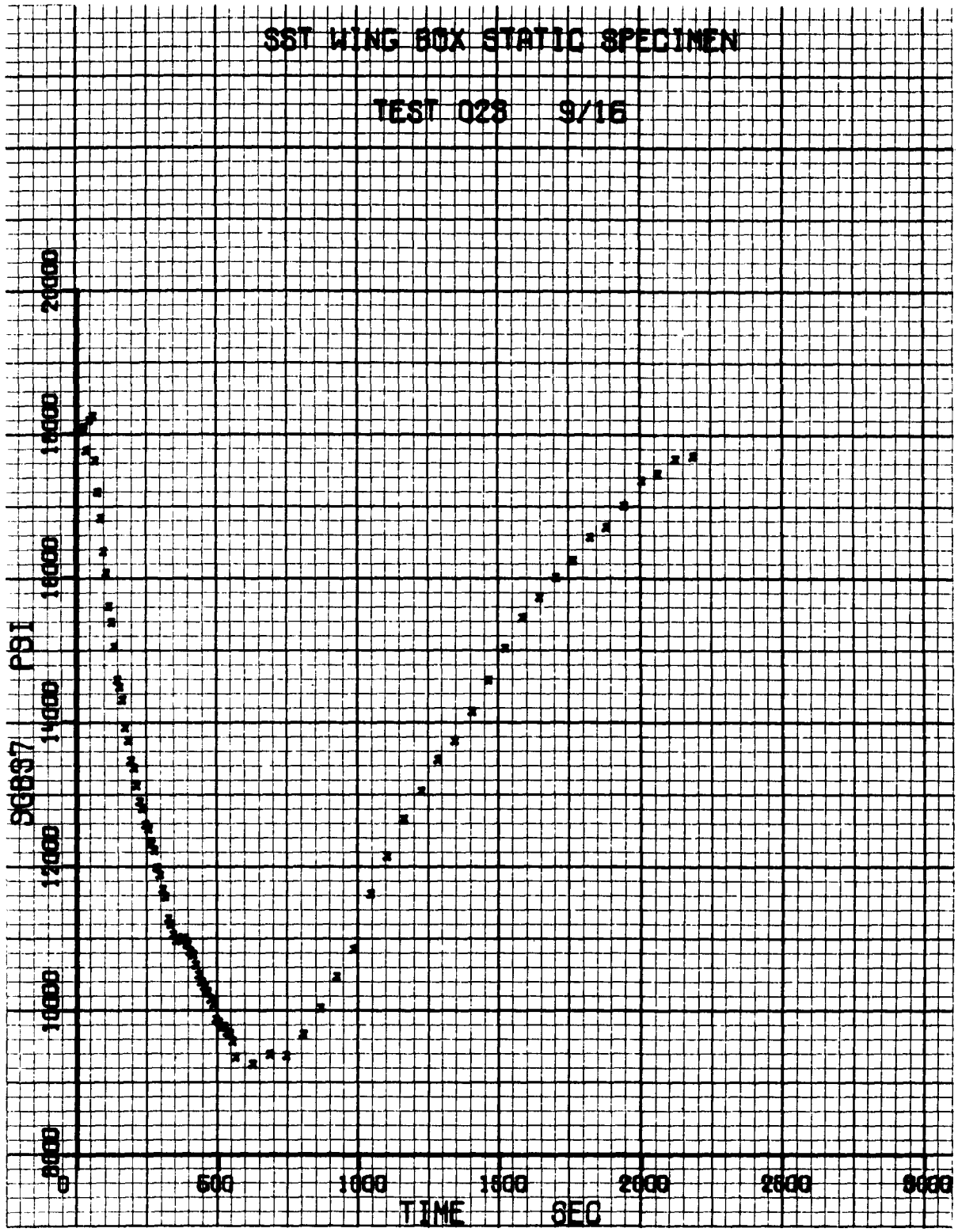
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 028 9/16
SGB57 PSI
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0
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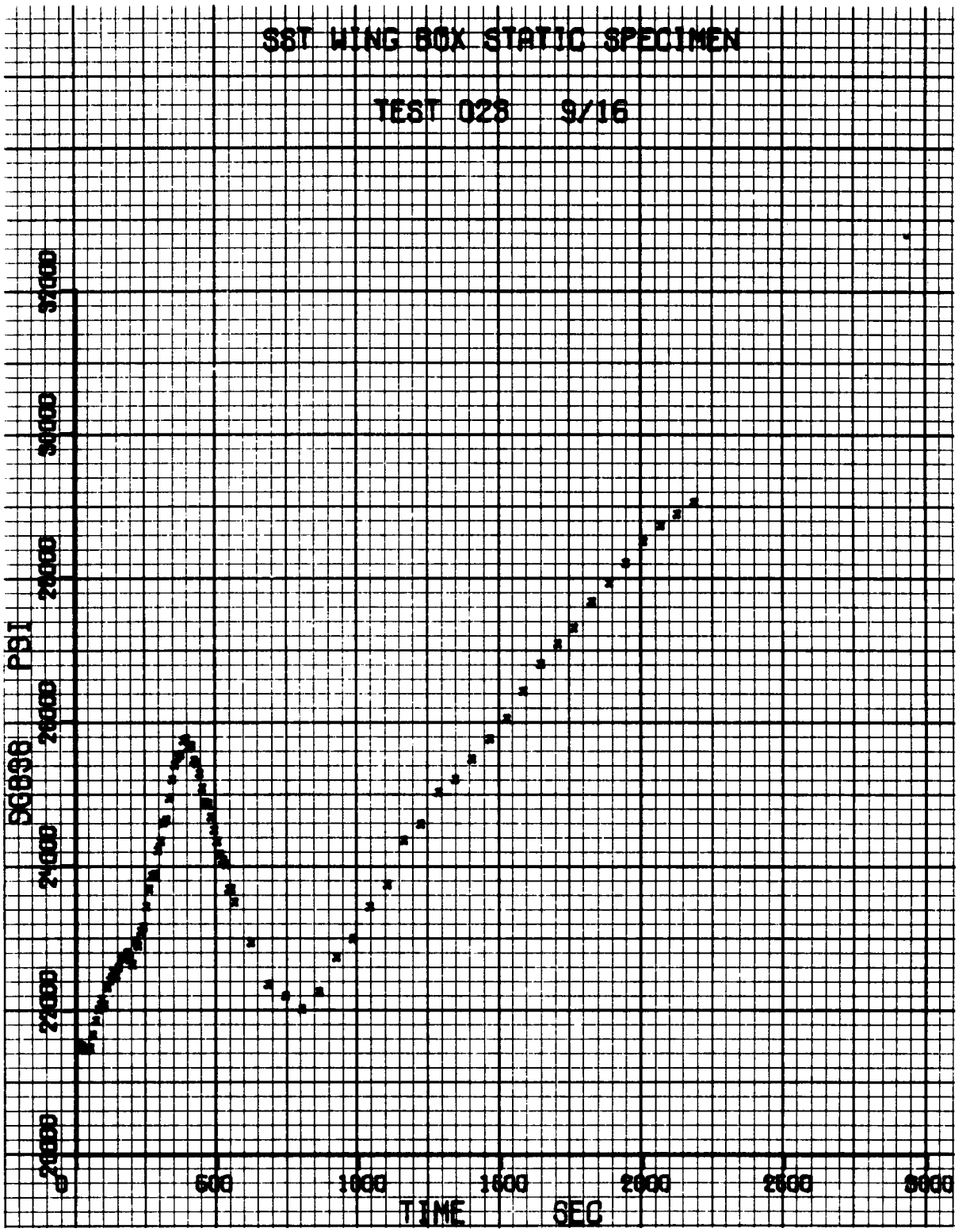
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 028 9/16
PSI
TIME SEC
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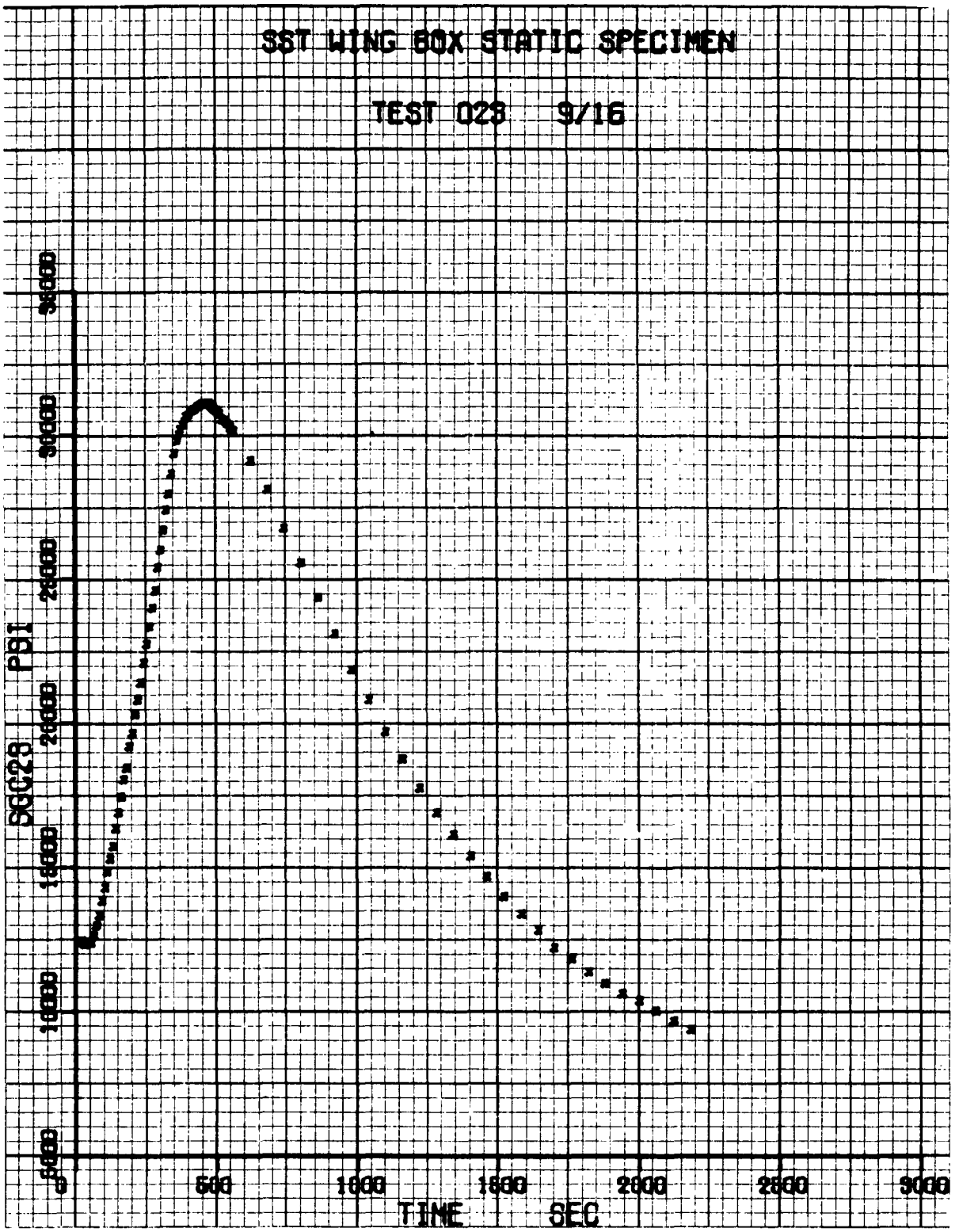
600
1000
1600
2000
2600
3000


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGG23 PSI
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2500
2000
1500
1000
500
0
TIME SEC
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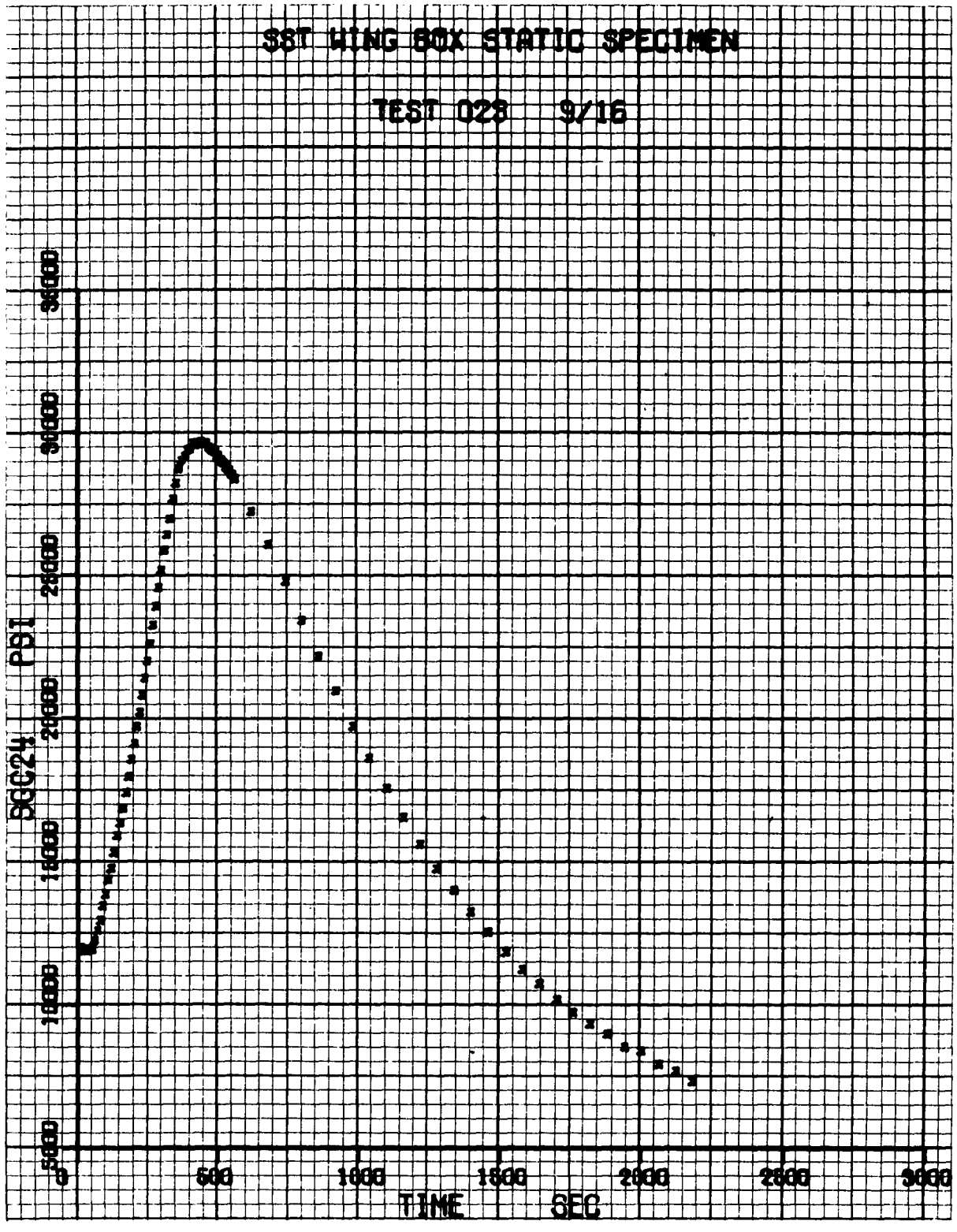
1000
1500
2000
2500
3000


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGC24 PSI
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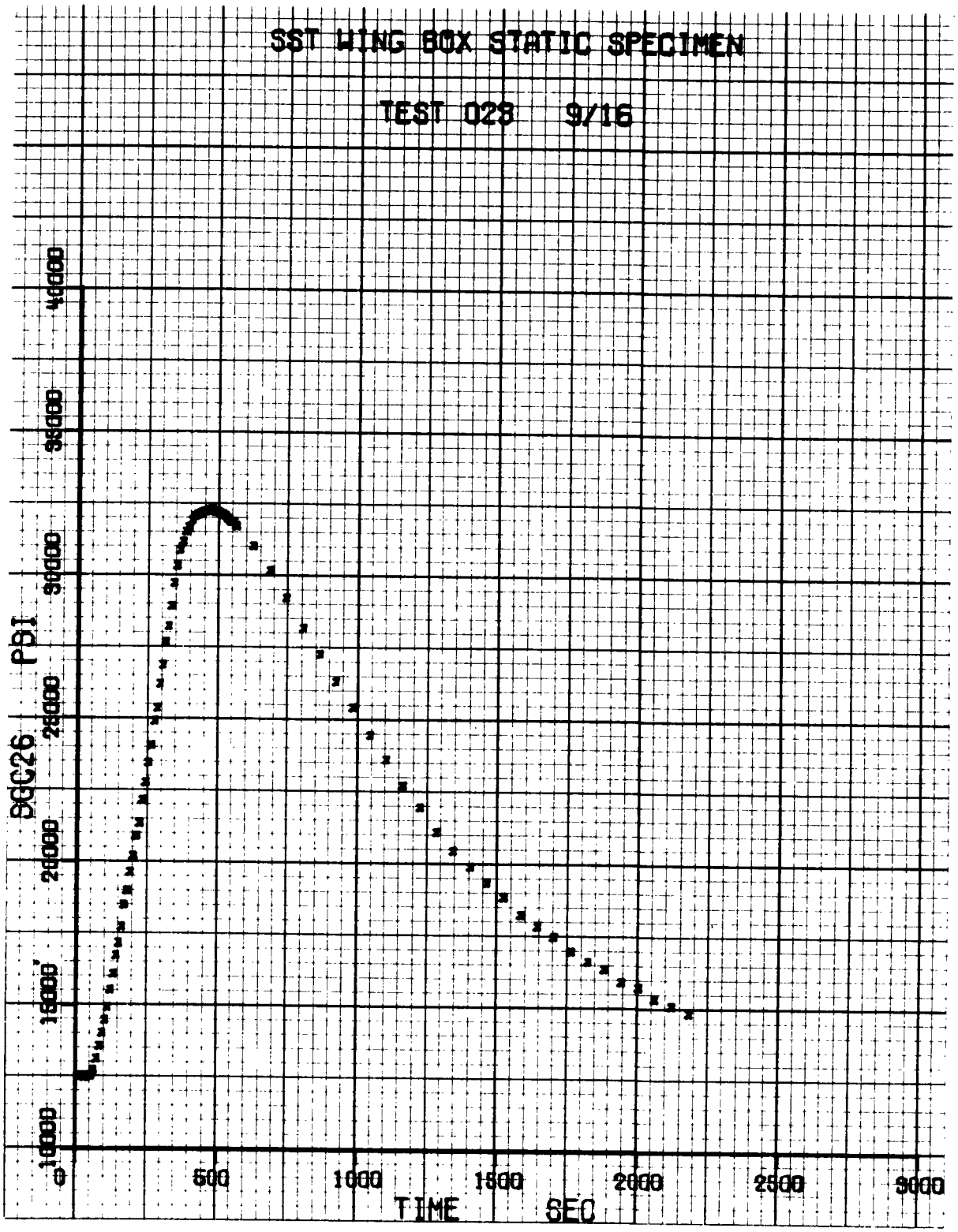
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
DGC26 PSI
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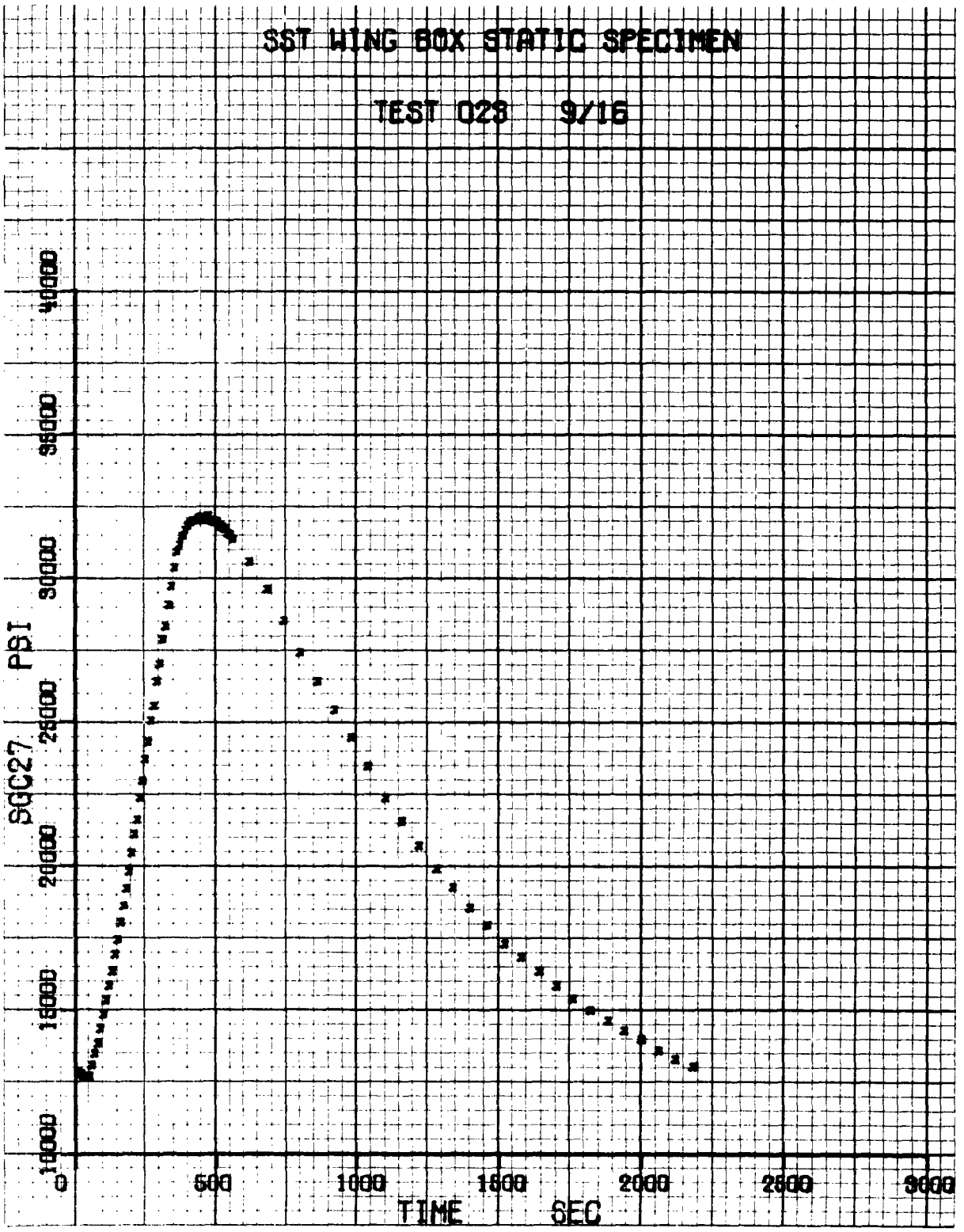
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGC27 PSI
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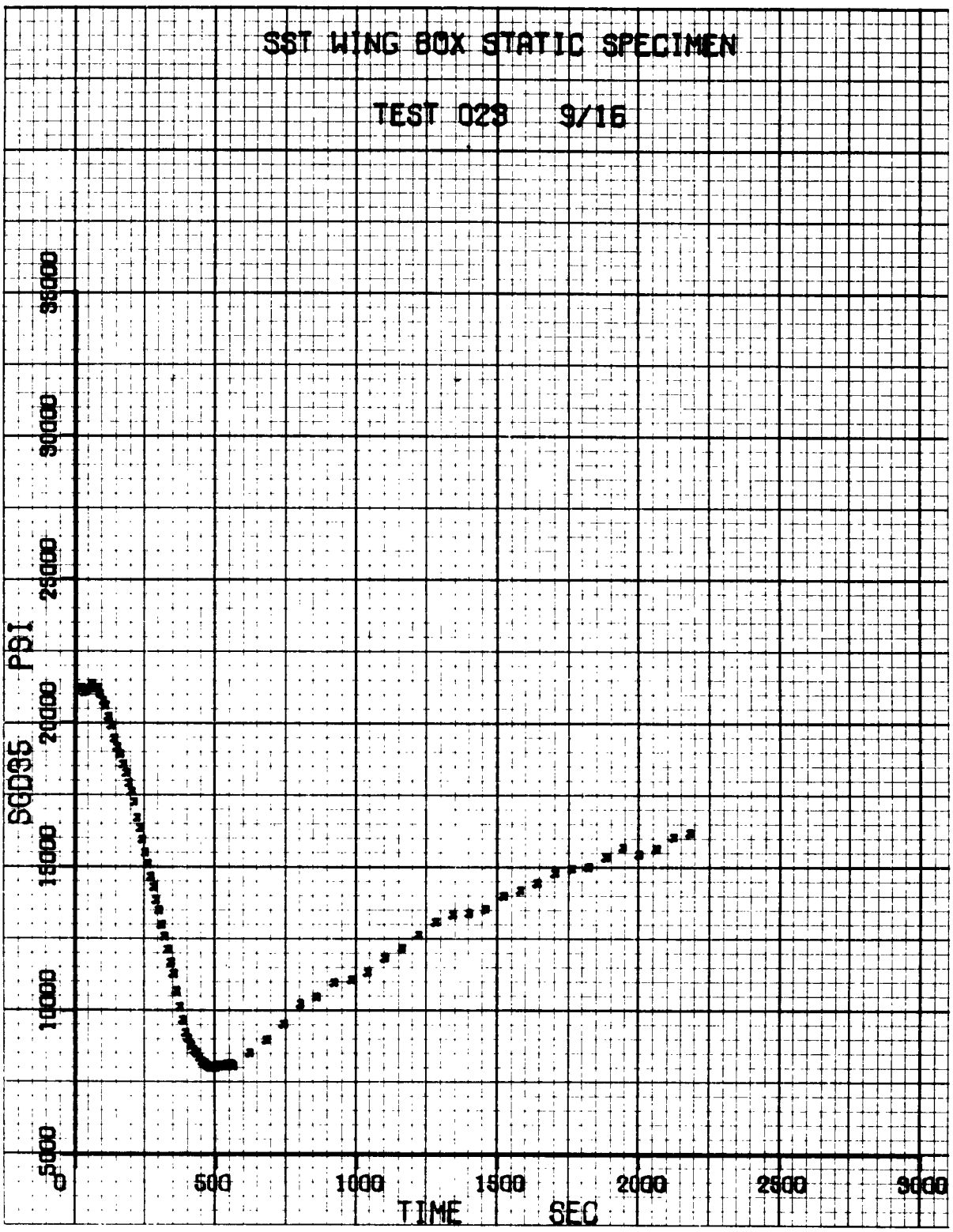
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SG035 PSI
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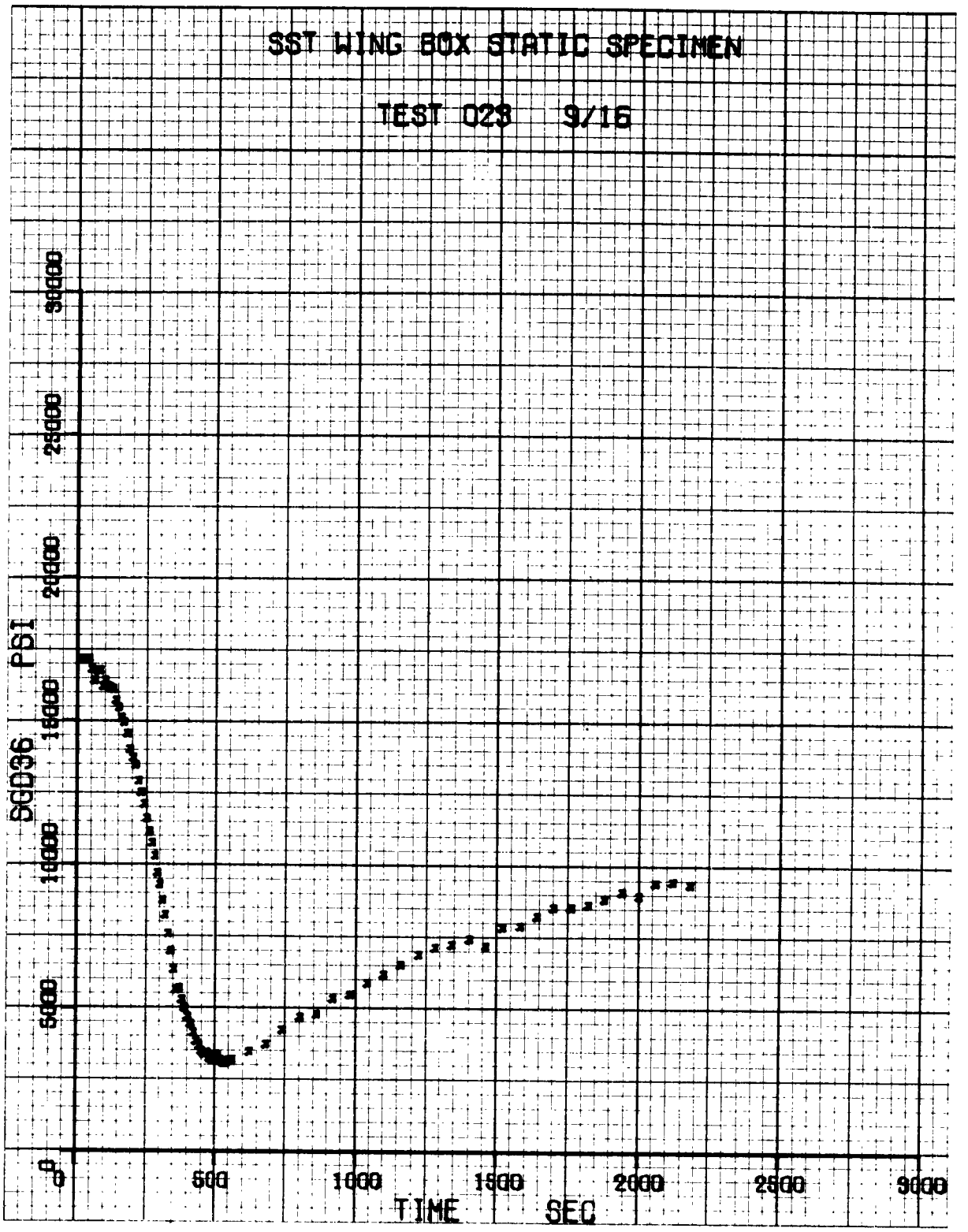
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGD36 PSI
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25000
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5000
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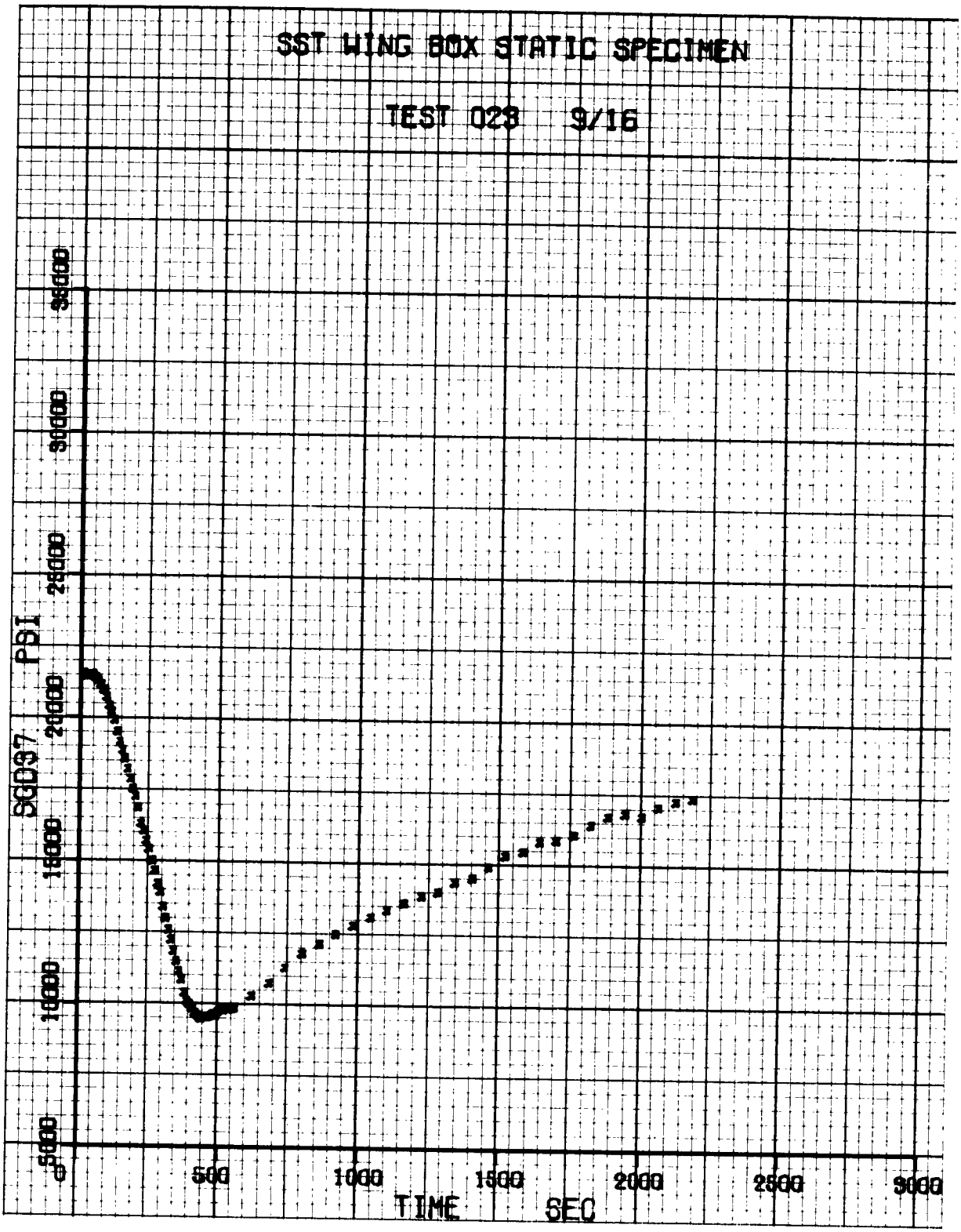
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGD37 PSI
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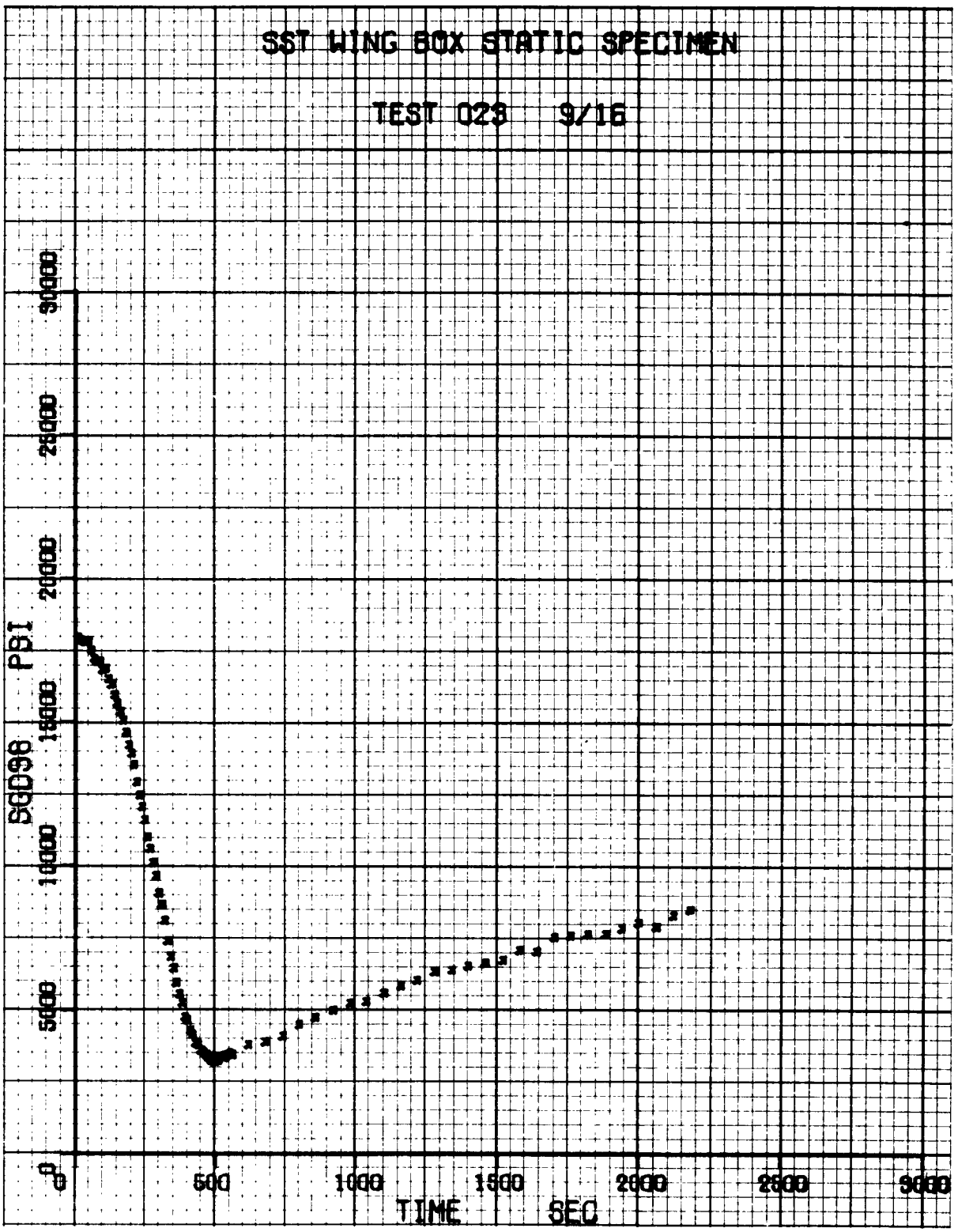
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SGD98 PSI
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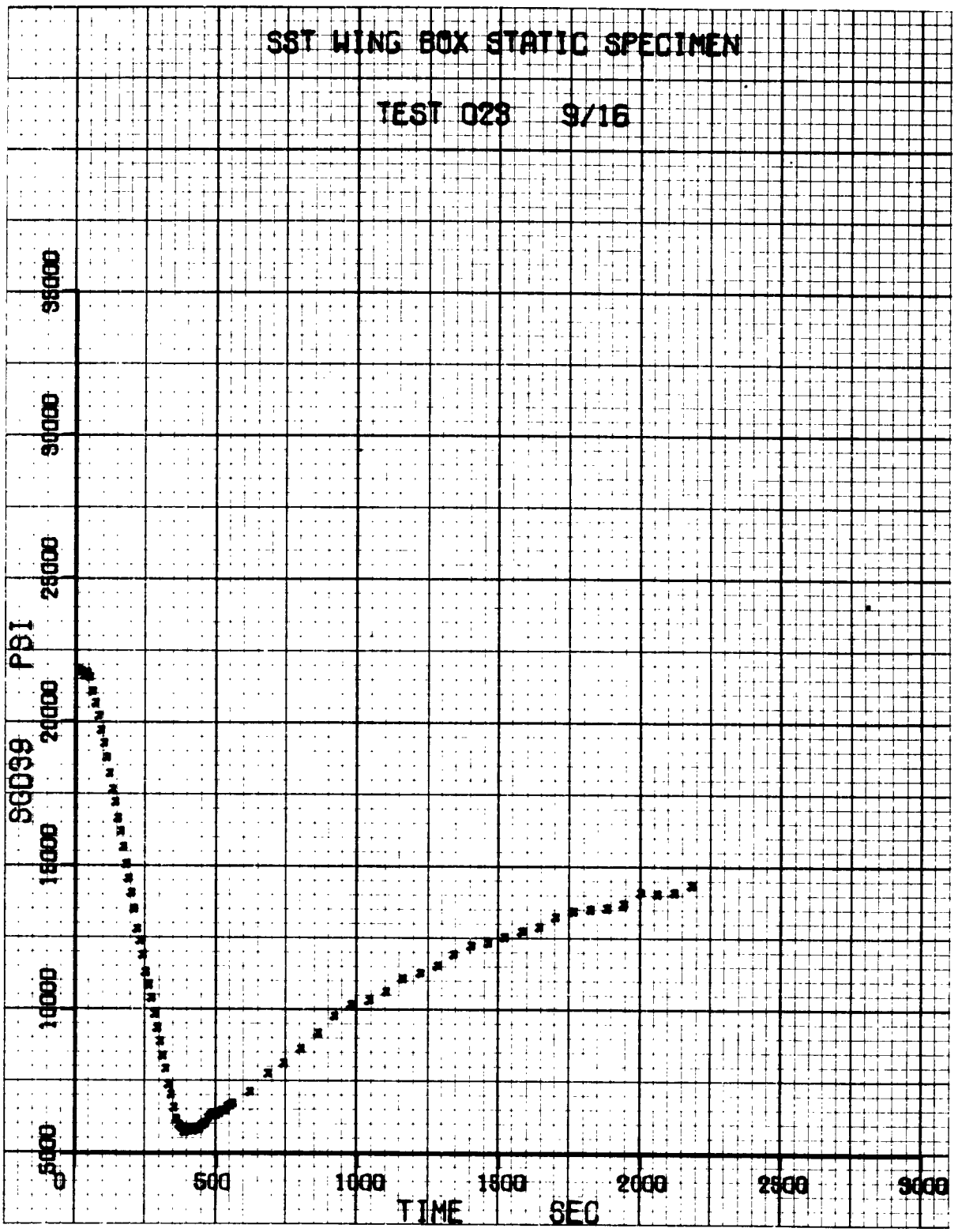
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
SG039 PSI
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25000
20000
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0
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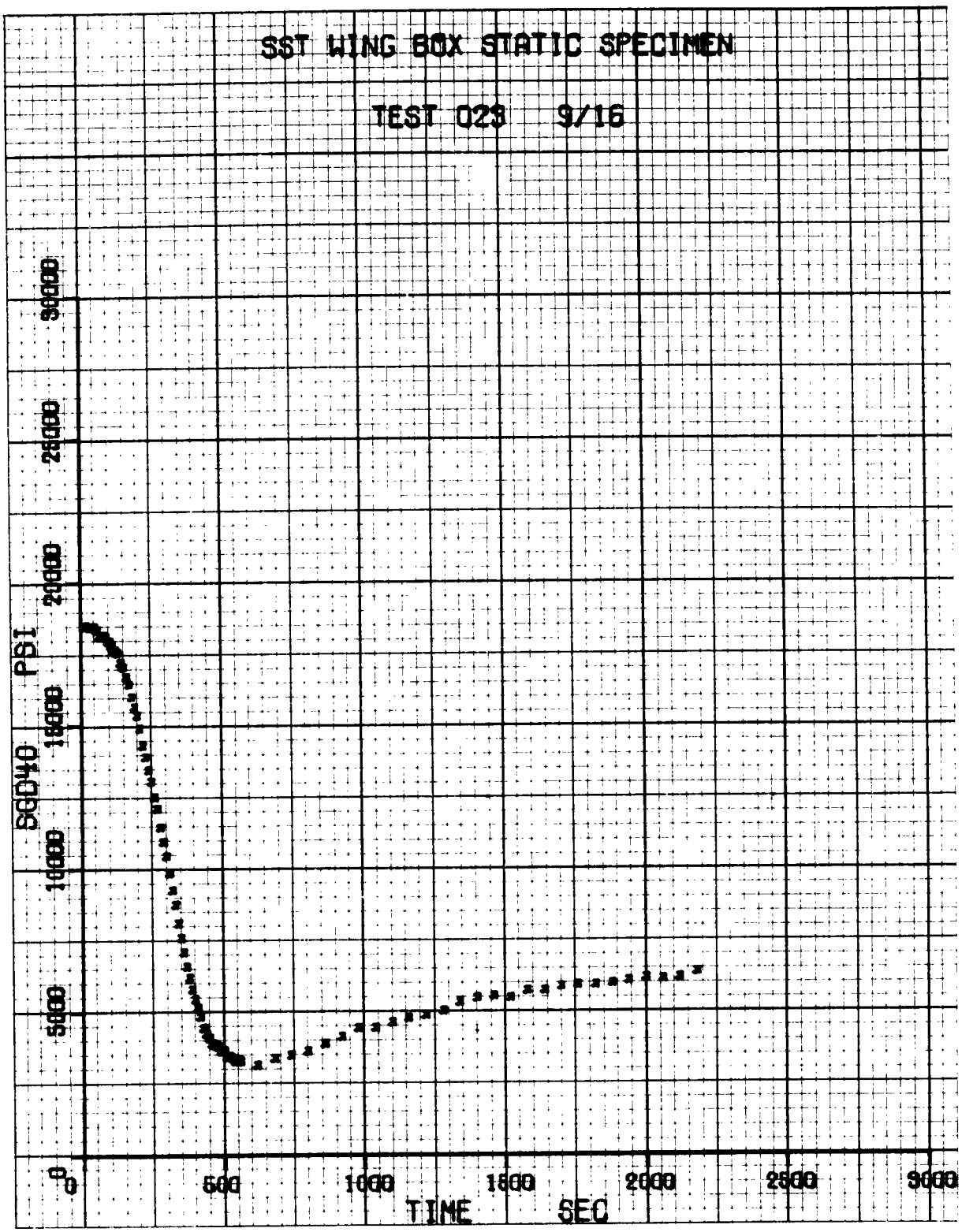
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
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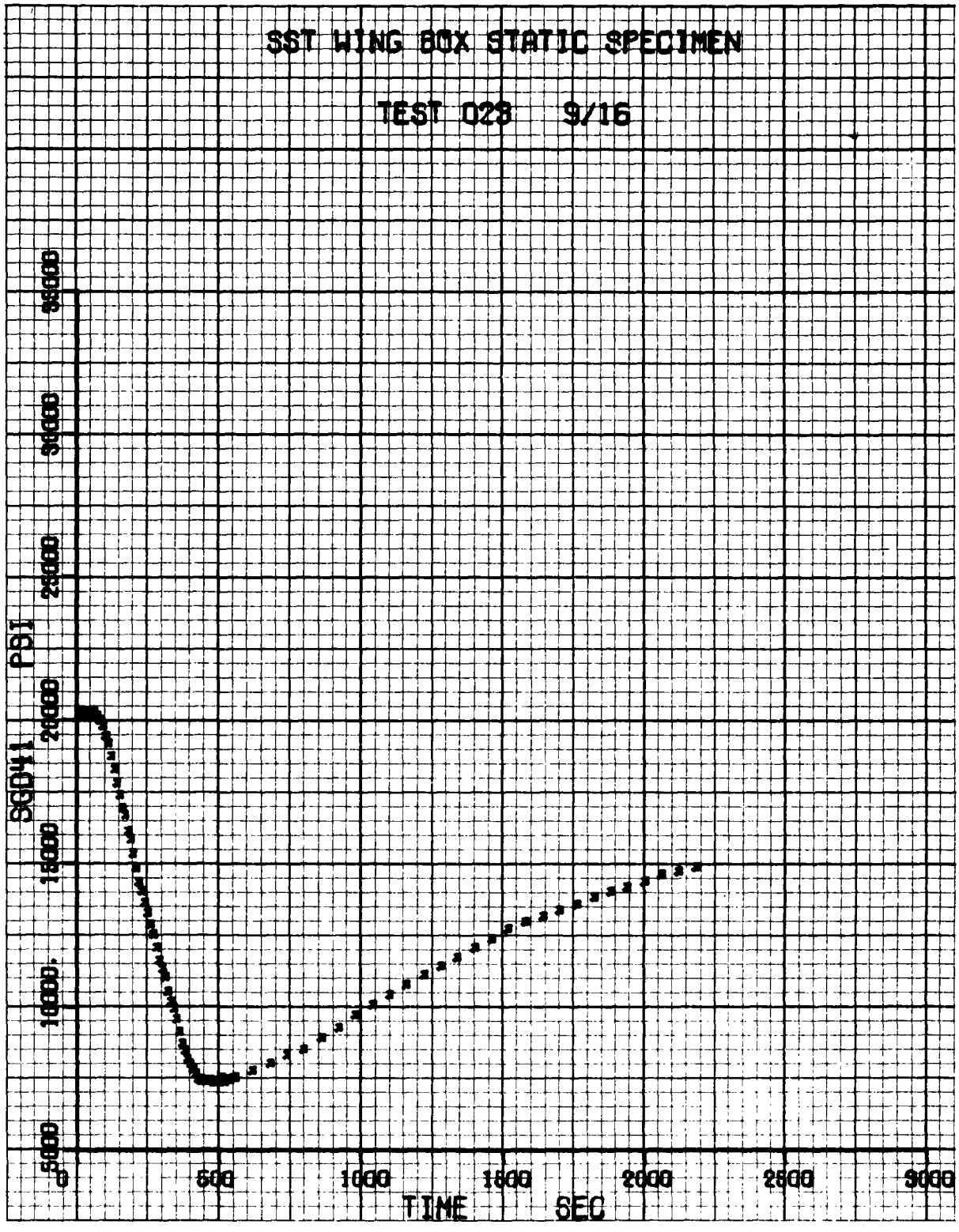
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 028 9/16
SG041 PSI
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3000
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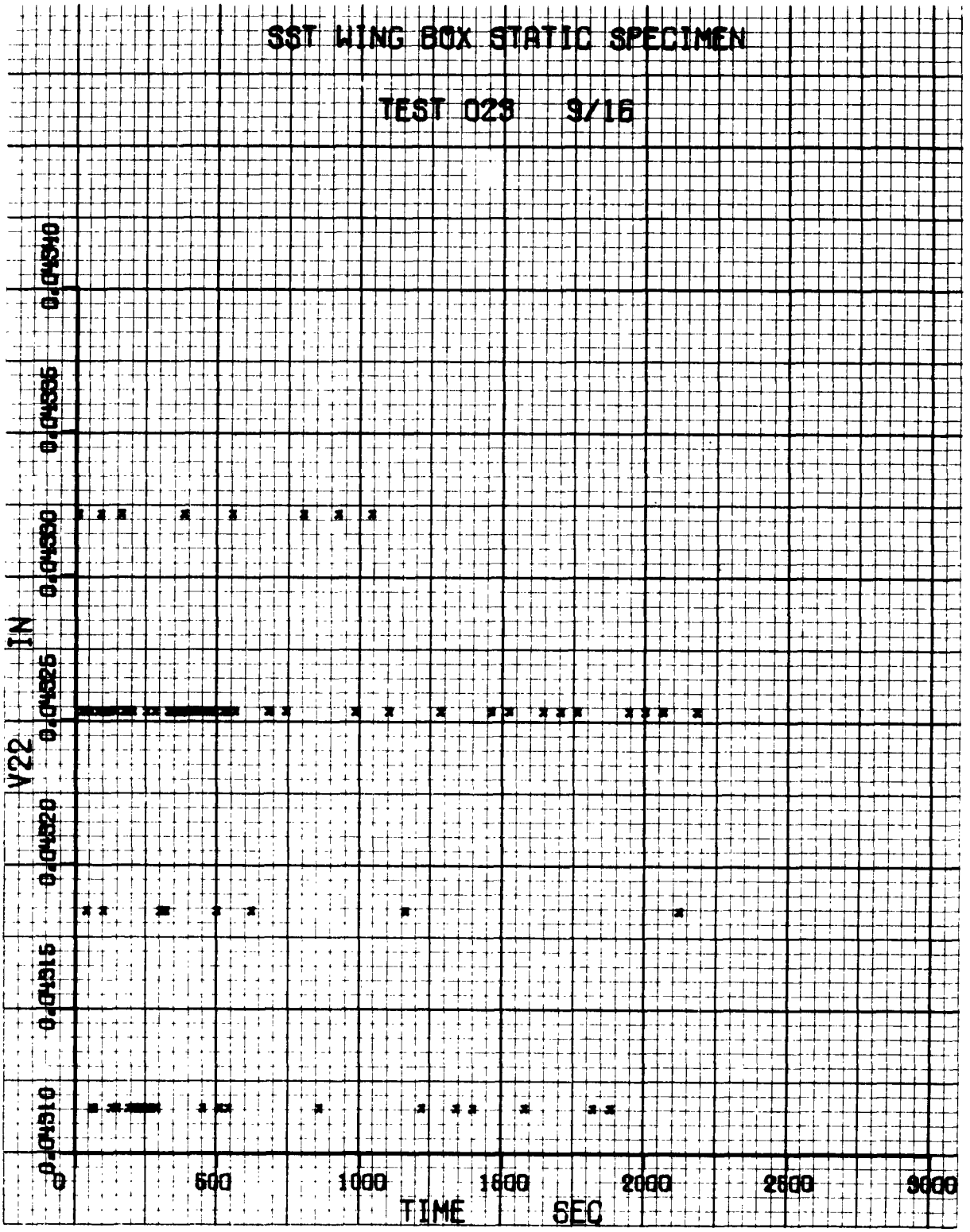
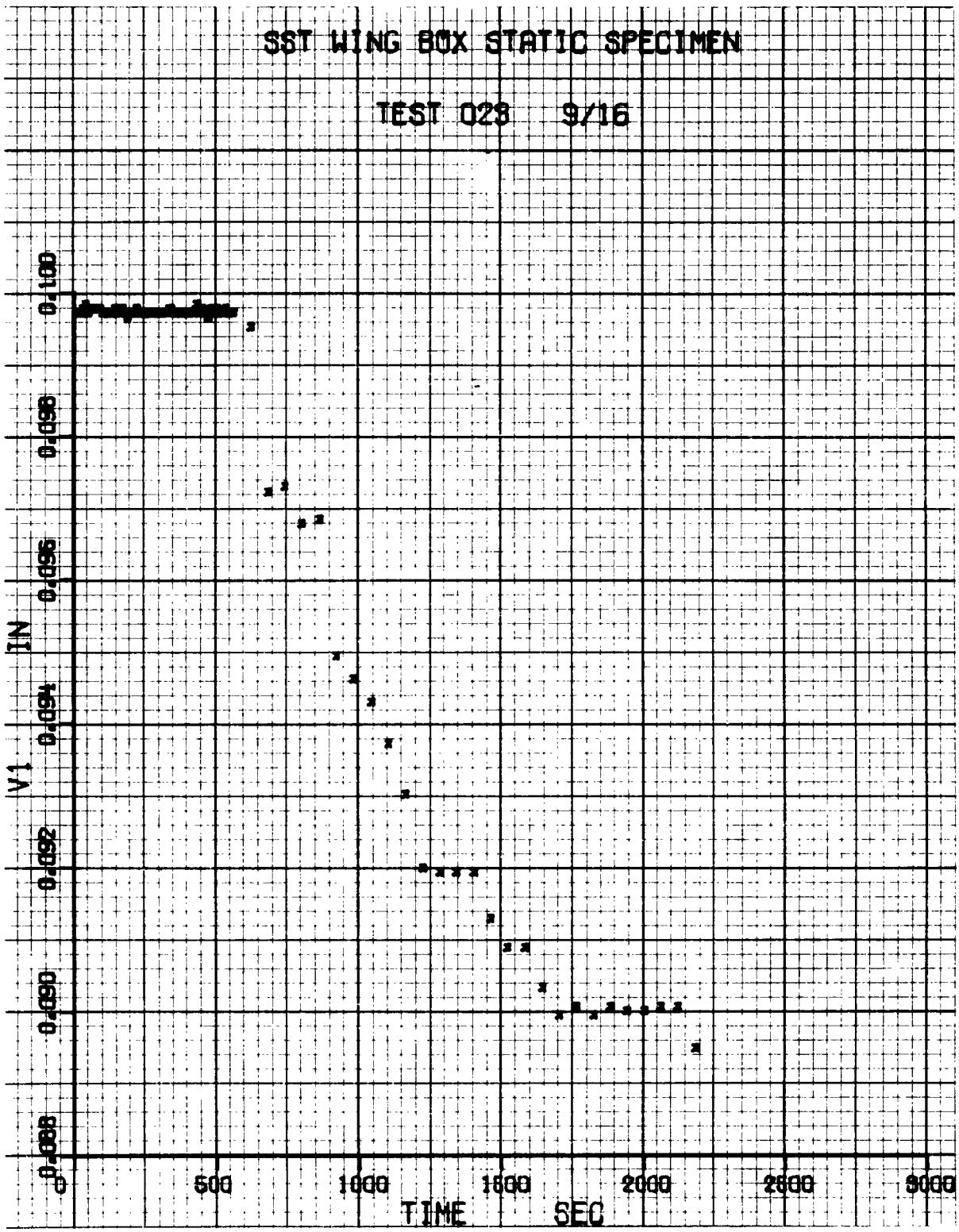
1000.
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V22
IN
0.04540
0.04535
0.04530
0.04525
0.04520
0.04515
0.04510
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V1 IN
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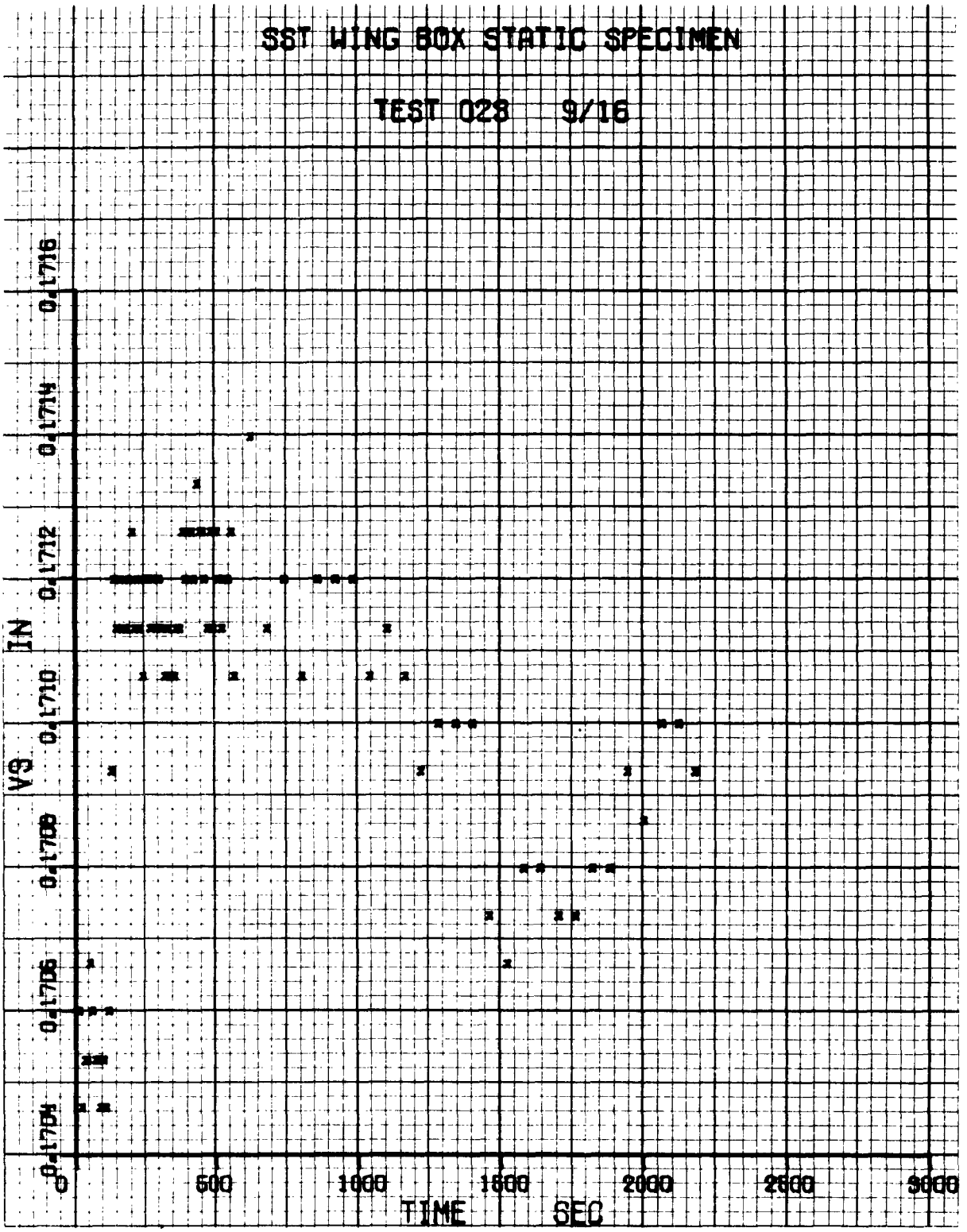
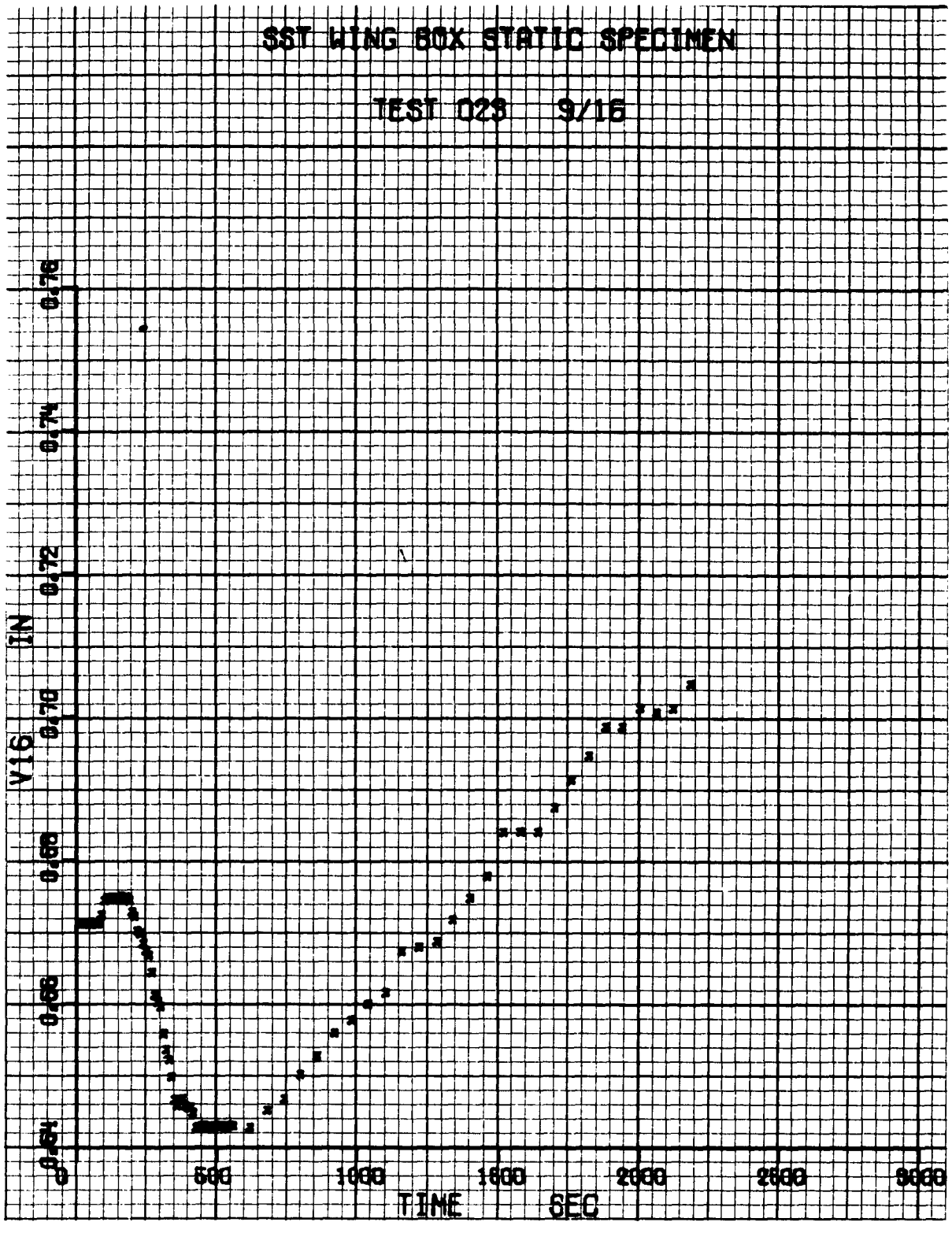
0.098
0.096
0.094
0.092
0.090
0.088
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
VS IN
0.1716
0.1714
0.1712
0.1710
0.1708
0.1706
0.1704
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V16 IN
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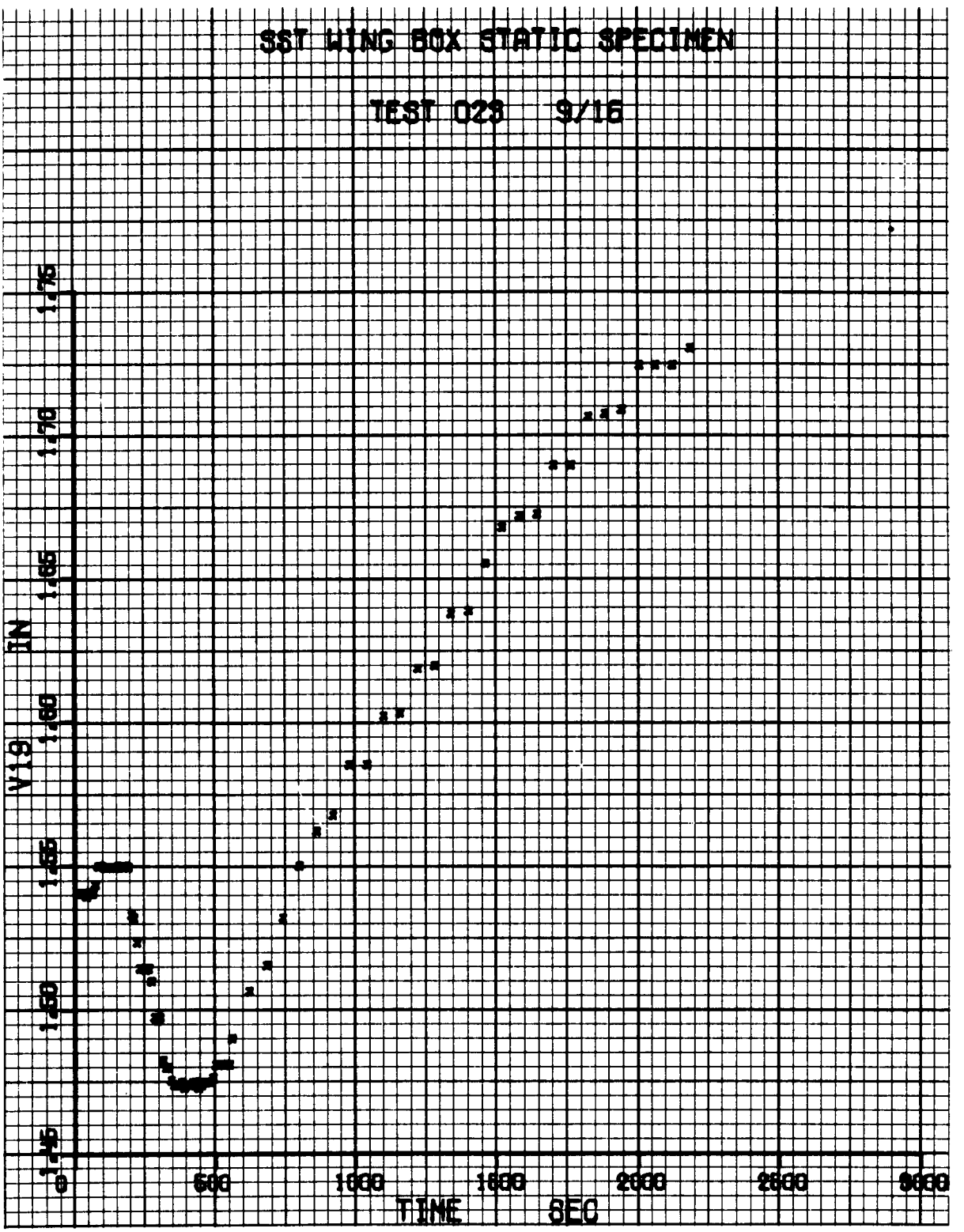
0.72
0.70
0.68
0.66
0.64
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V19 IN
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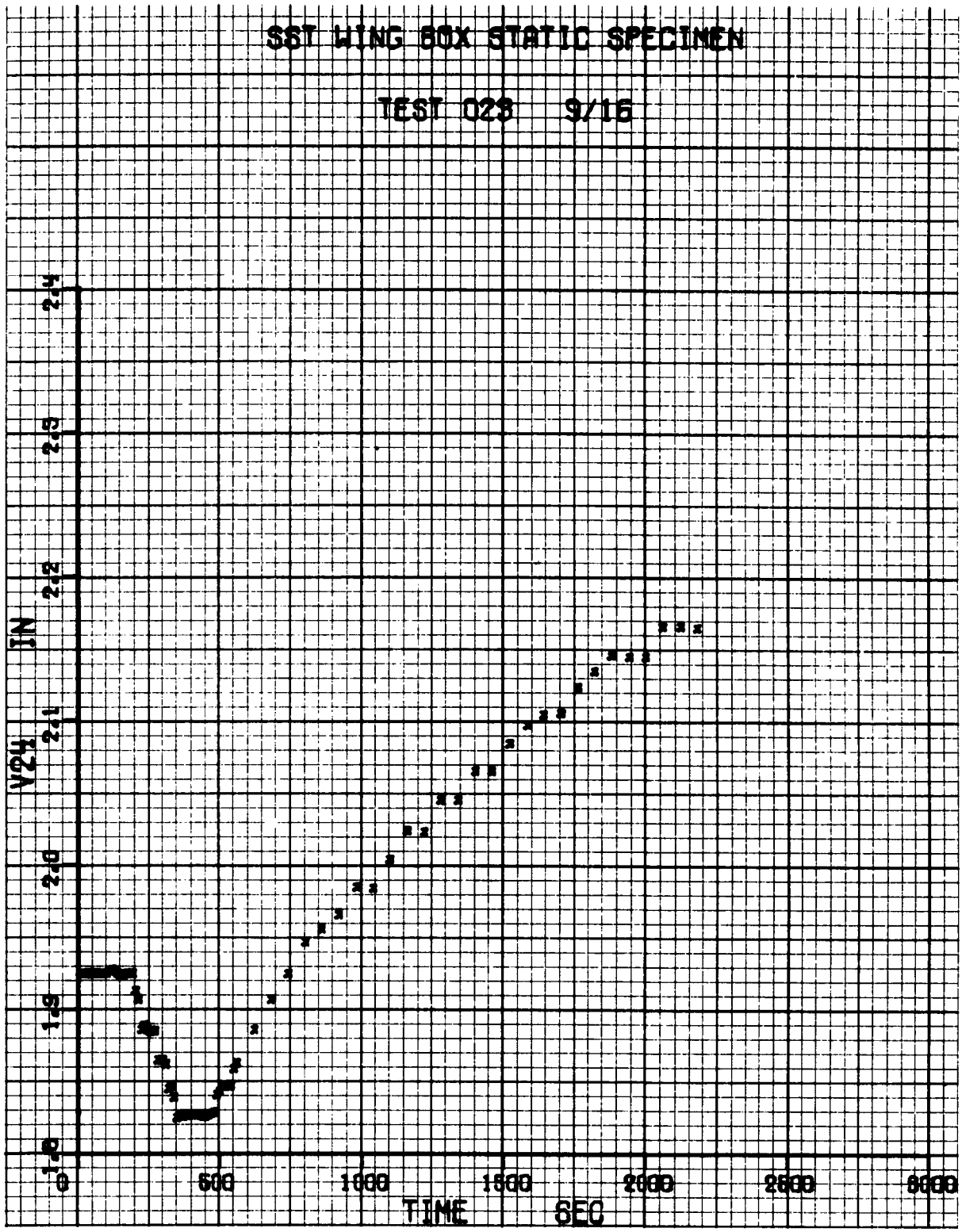
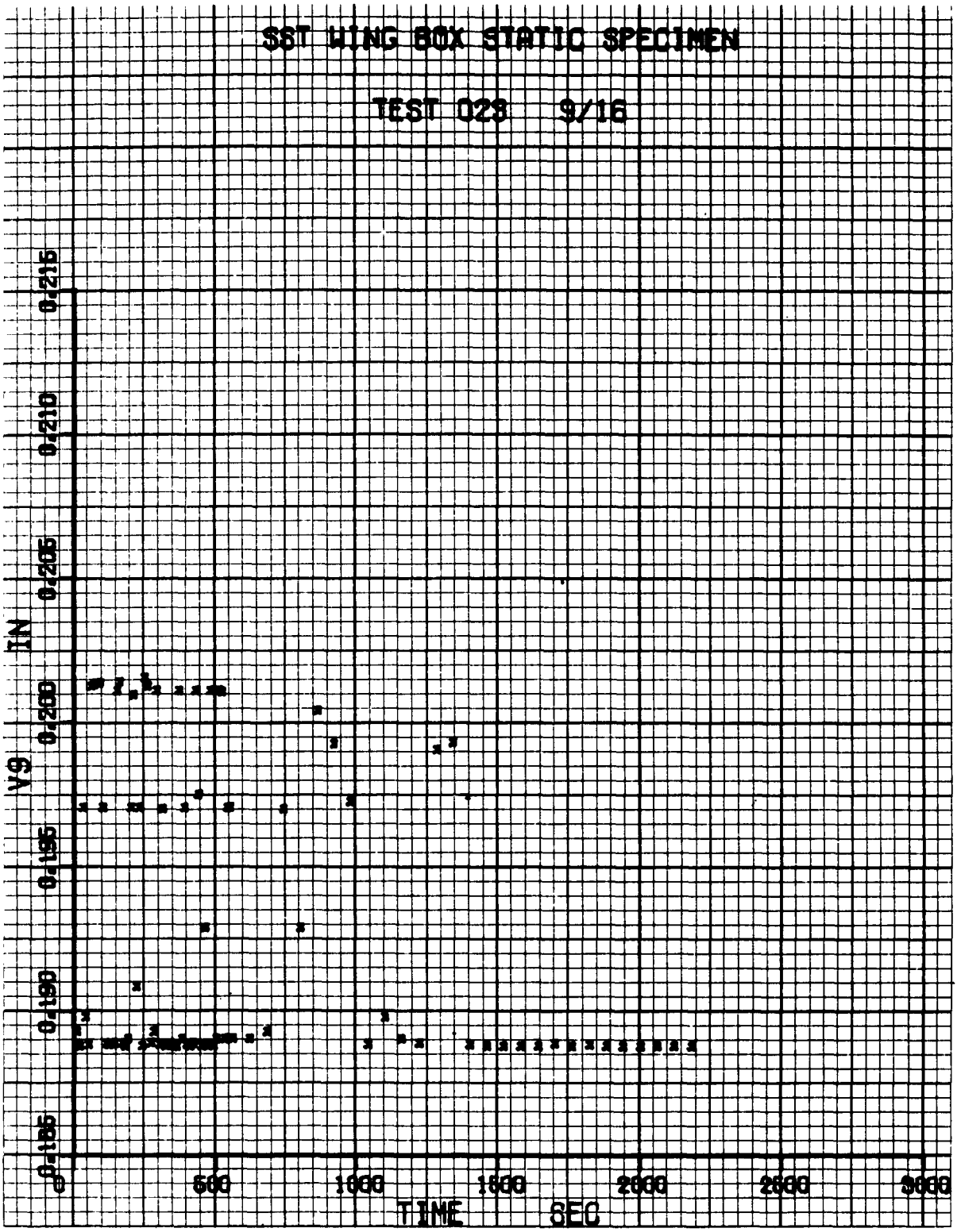
1.670
1.665
1.660
1.655
1.650
1.645
0
600
1000
1600
2000
2600
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V24
IN
2.4
2.5
2.2
2.1
2.0
1.9
1.8
0
500
1000
1500
2000
2500
3000
TIME
SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V9 IN
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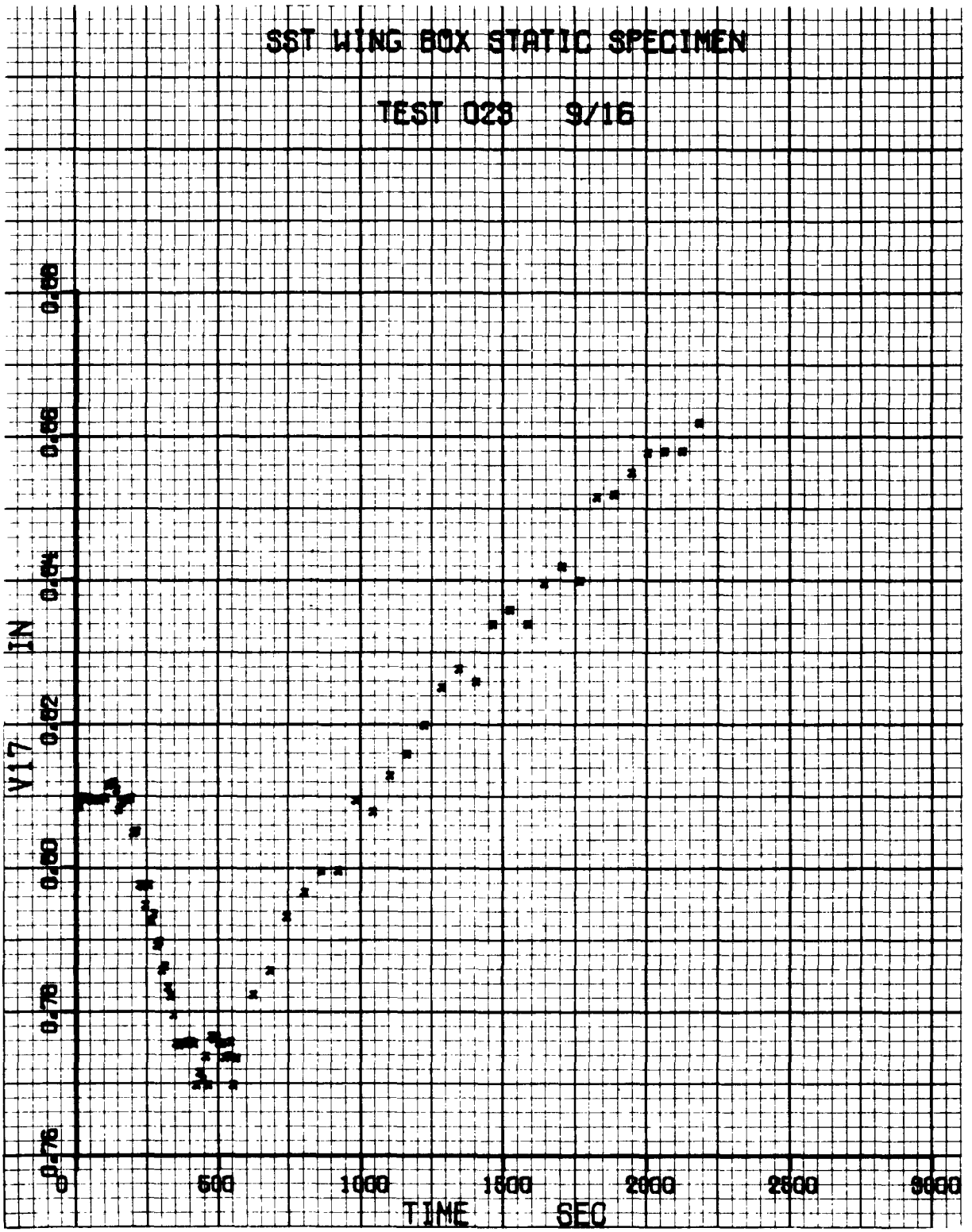
0.205
0.200
0.195
0.190
0.185
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V17
IN
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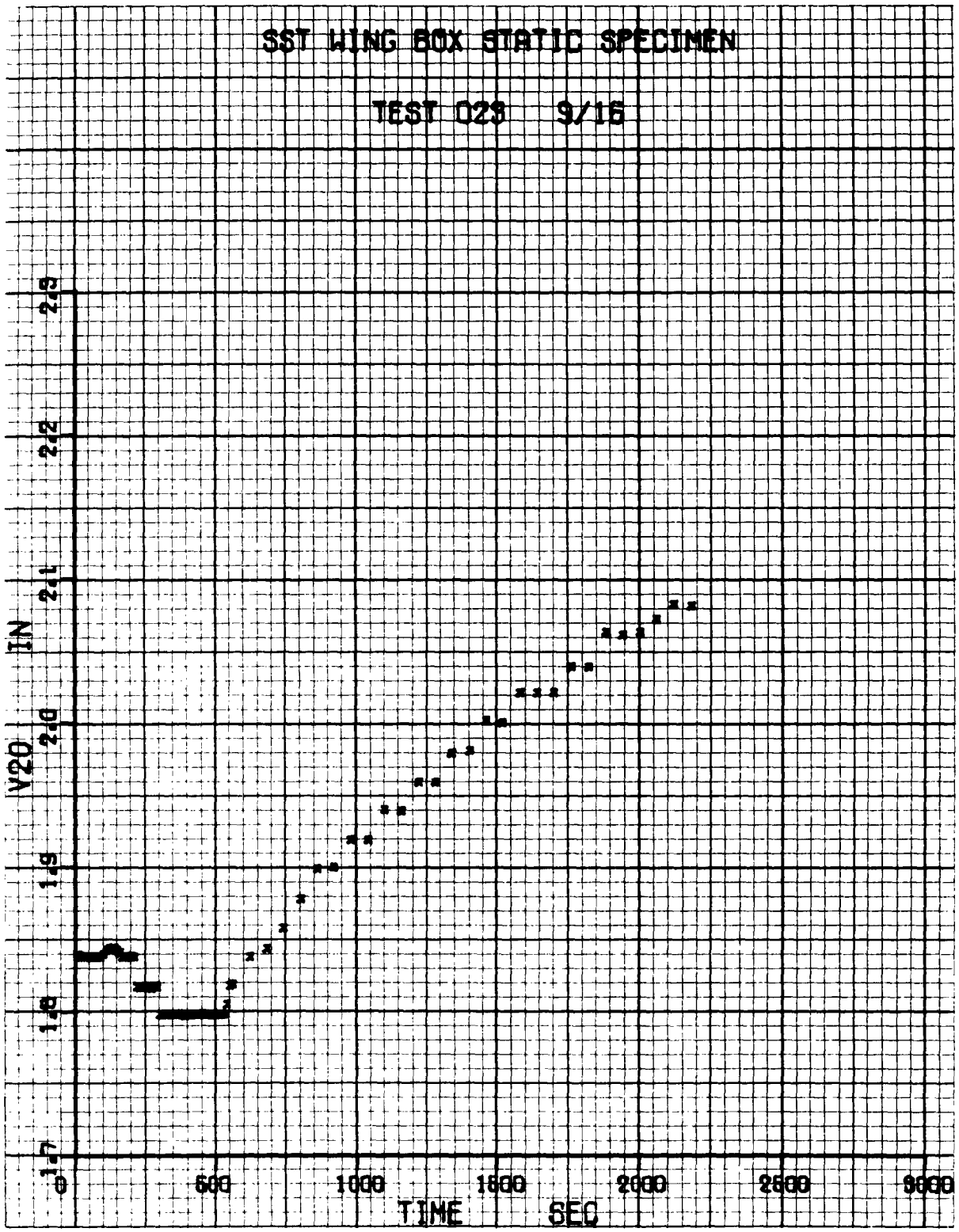
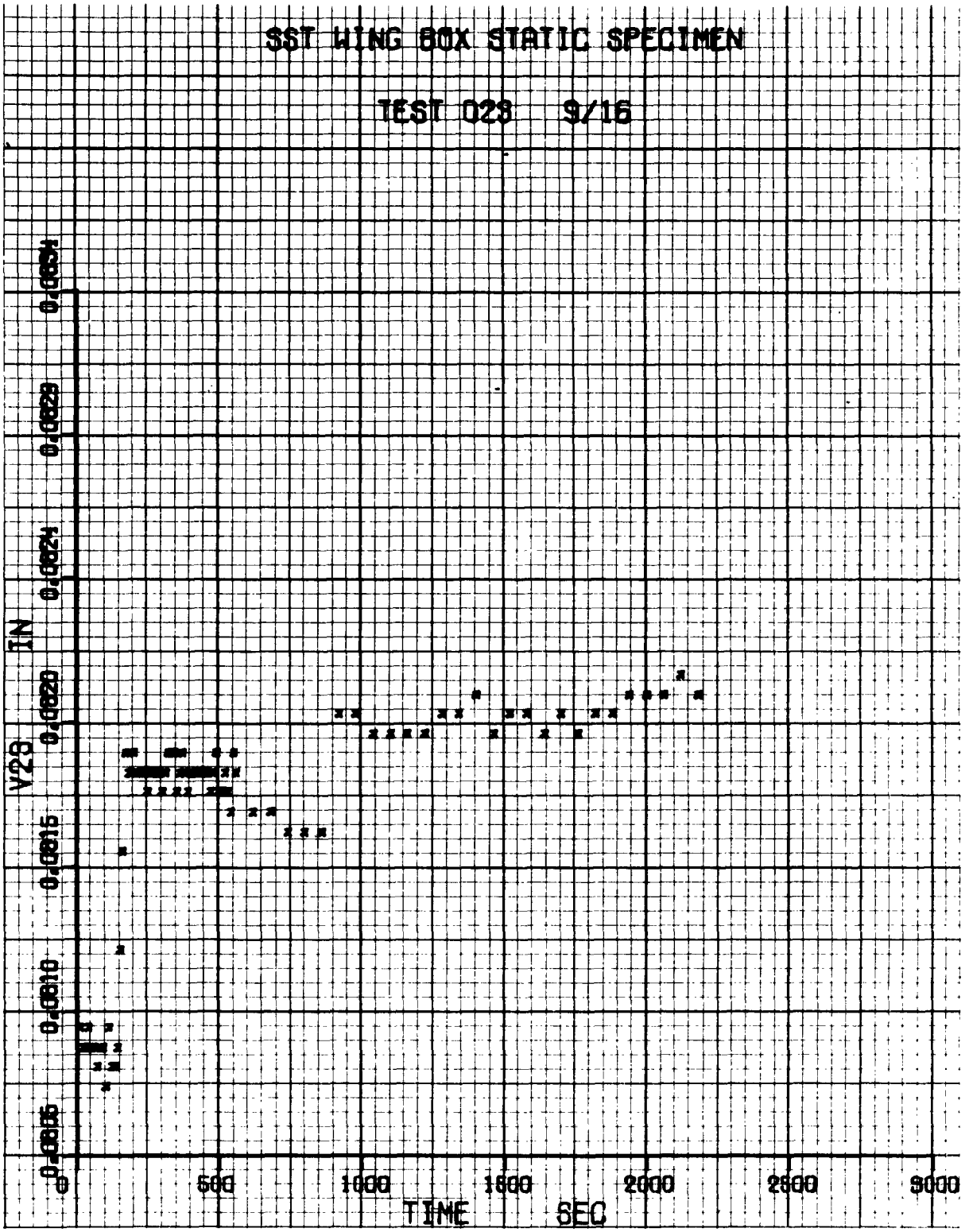
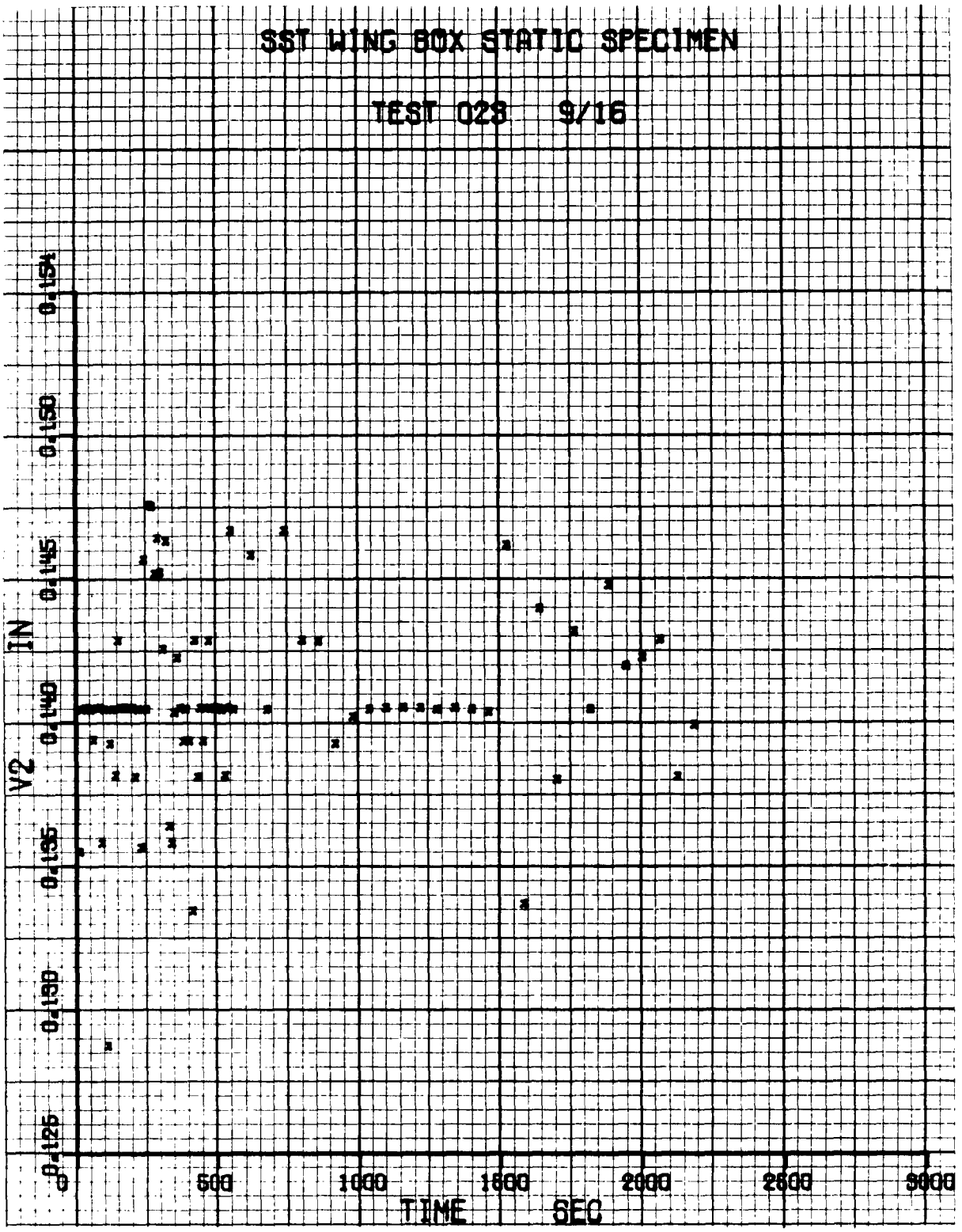
0.82
0.84
0.86
0.88
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V20 IN
2.3
2.2
2.1
2.0
1.9
1.8
1.7
0
600
1000
1600
2000
2600
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V28
IN
0.0025
0.0020
0.0015
0.0010
0.0005
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V2 IN.
0.1454
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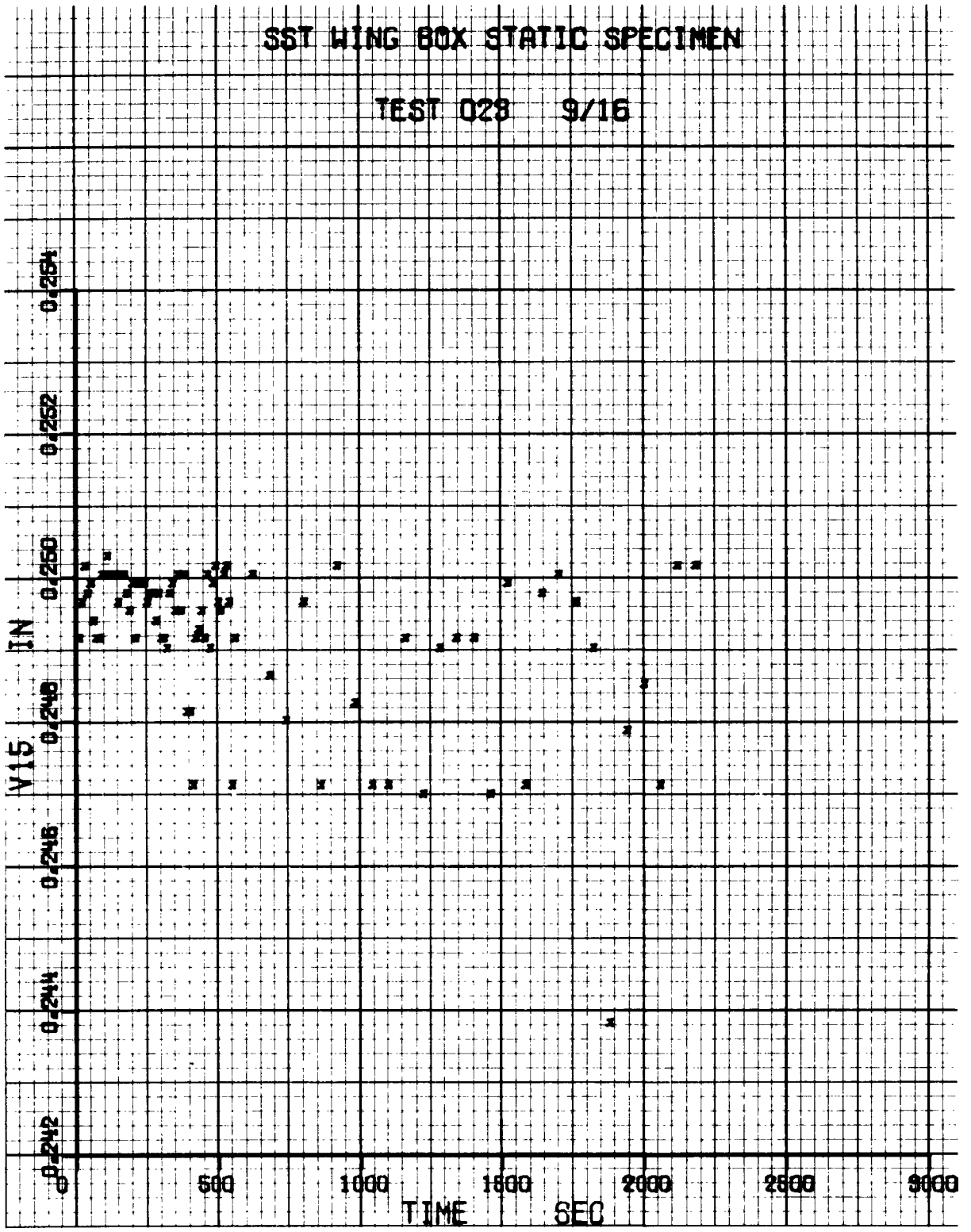
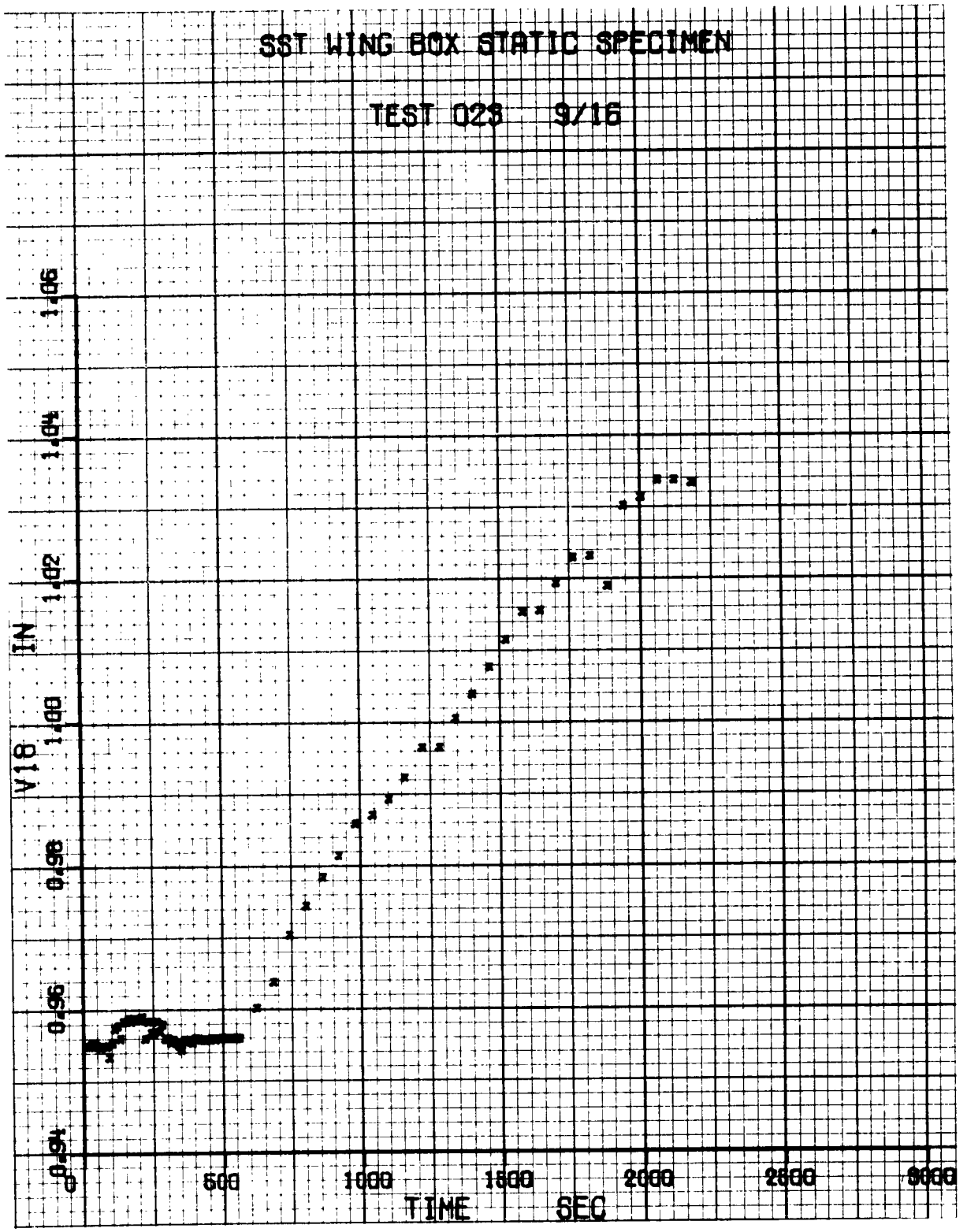
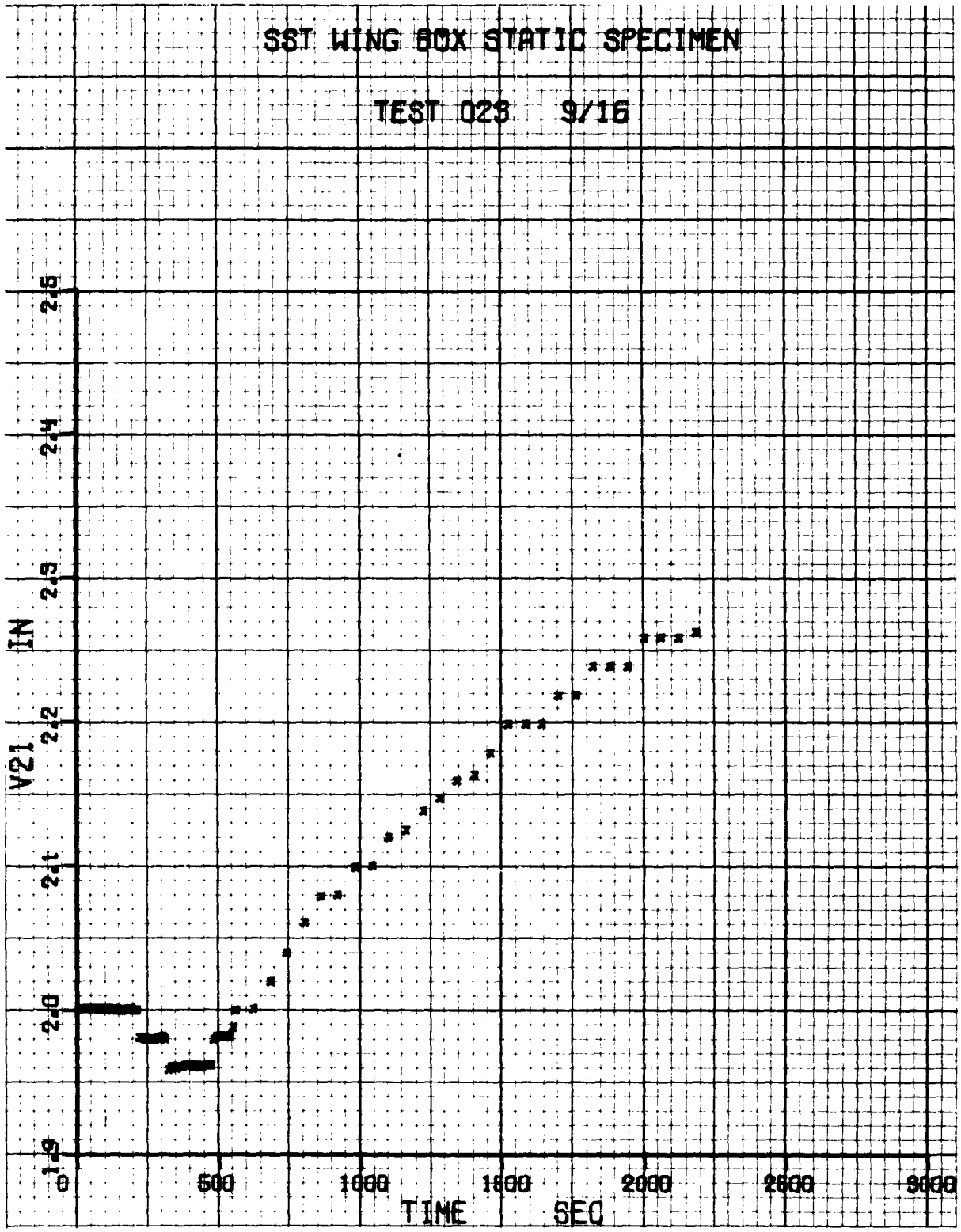
0.1445
0.1440
0.1435
0.1430
0.1425
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 028 9/16
V15
IN
0.254
0.252
0.250
0.248
0.246
0.244
0.242
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V18 IN
1.06
1.04
1.02
1.00
0.98
0.96
0.94
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 023 9/16
V21 IN
2.5
2.4
2.3
2.2
2.1
2.0
1.9
0
500
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2500
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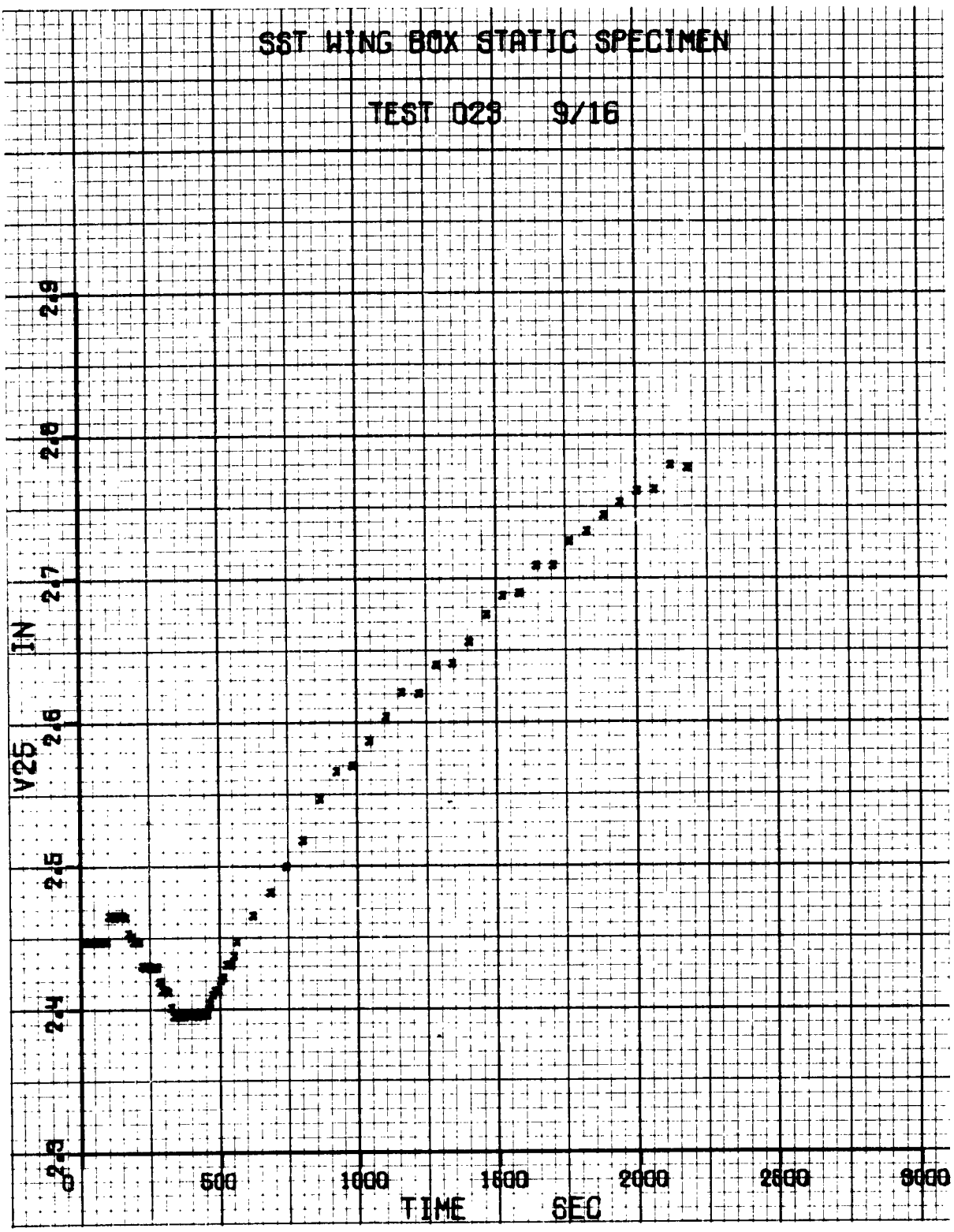
TIME SEC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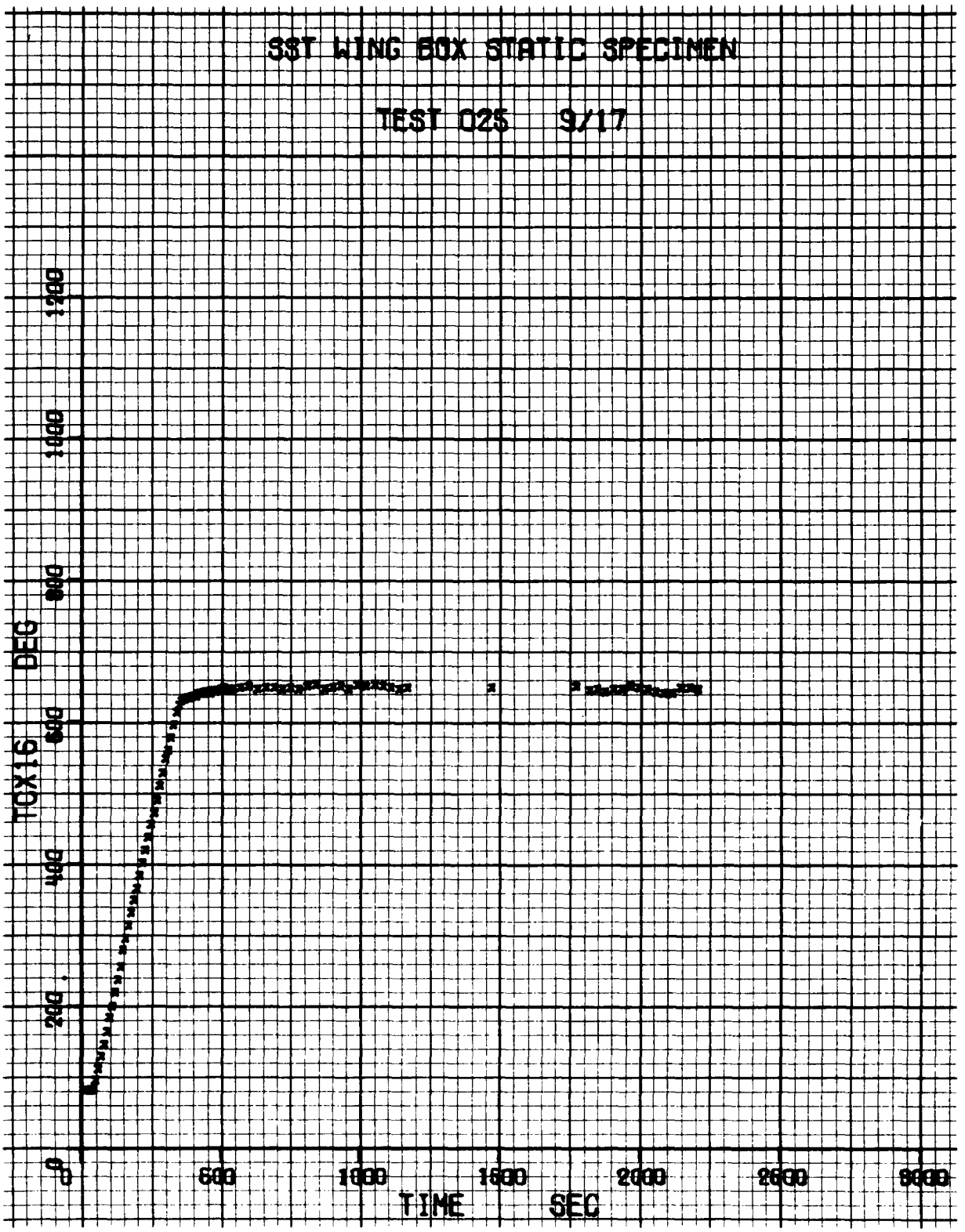
TEST 023 9/16
V25 IN
2.9
2.8
2.7
2.6
2.5
2.4
2.3
0
500
1000
1500
2000
2500
3000
TIME SEC

TEST No. 25

Jack Location	**W.S.** 189 ; **F.S.** 60
Jack Load, lb	35,300
Percent of Limit	100
Fuel Condition	**Tanks** EMPTY
Tank Pressure, psi	0
Maximum Surface Temperature, °F	650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TCX16 DEG
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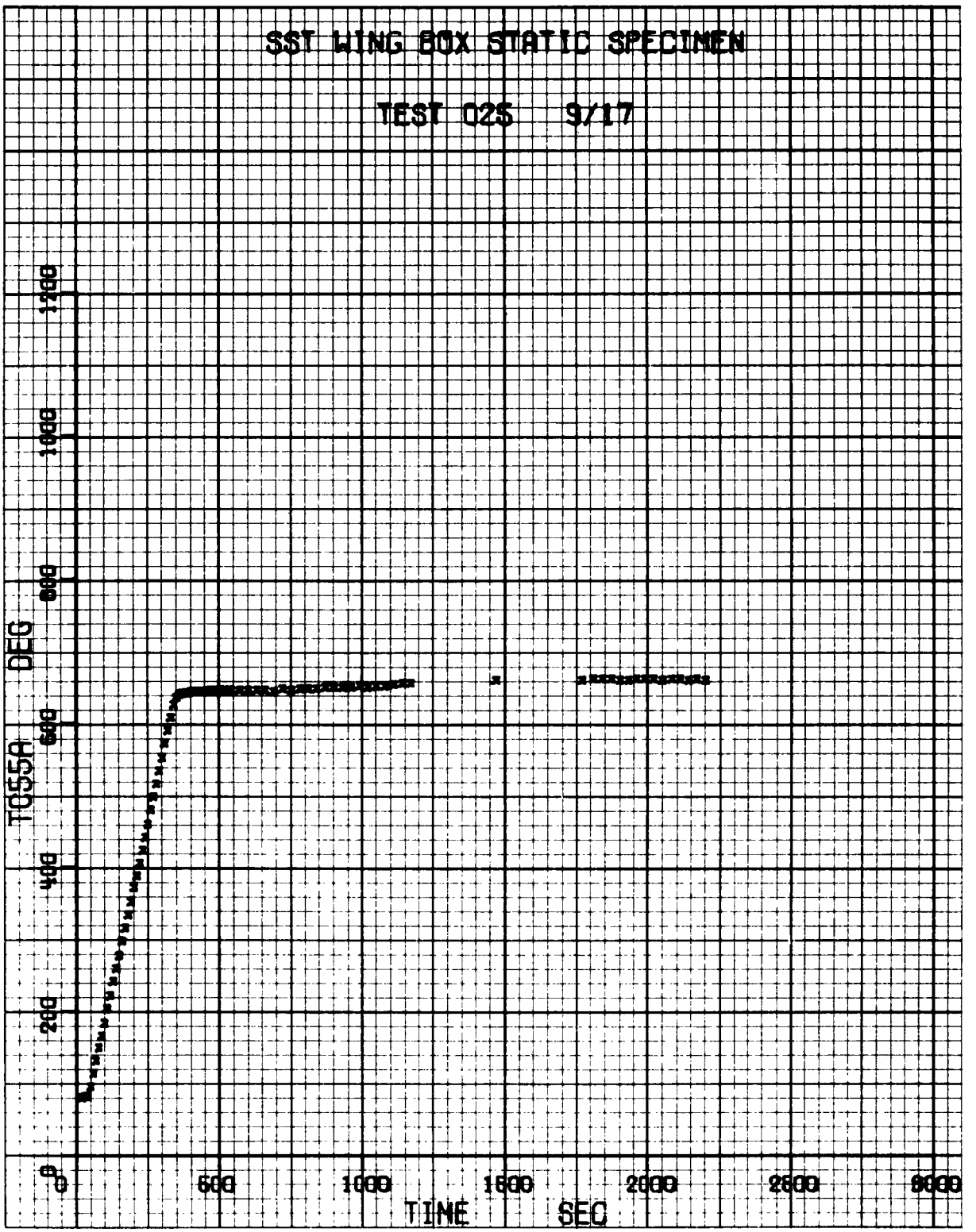
TIME SEC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TC55A DEG
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800
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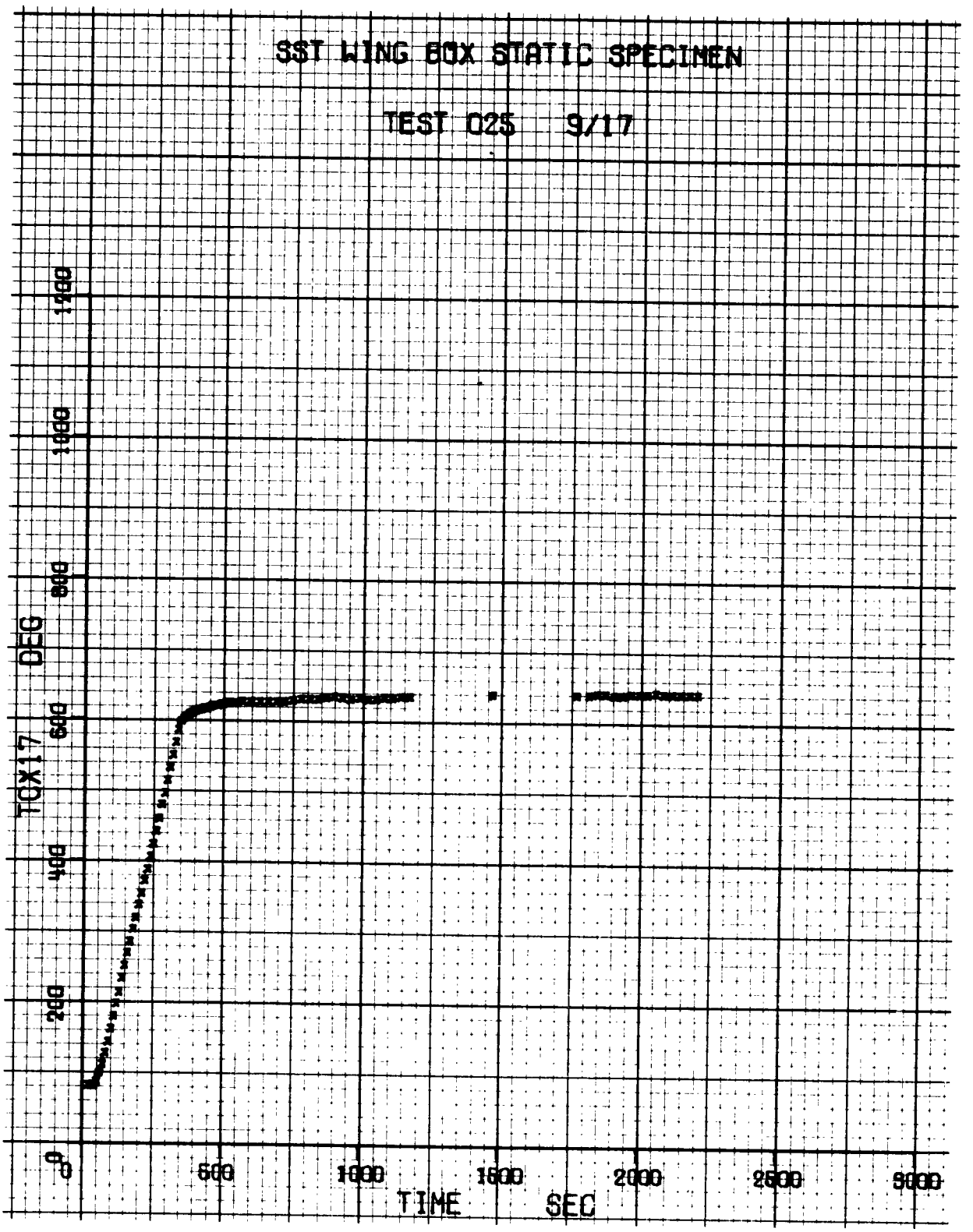
600
1000
1600
2000
2600
3000
TIME SEC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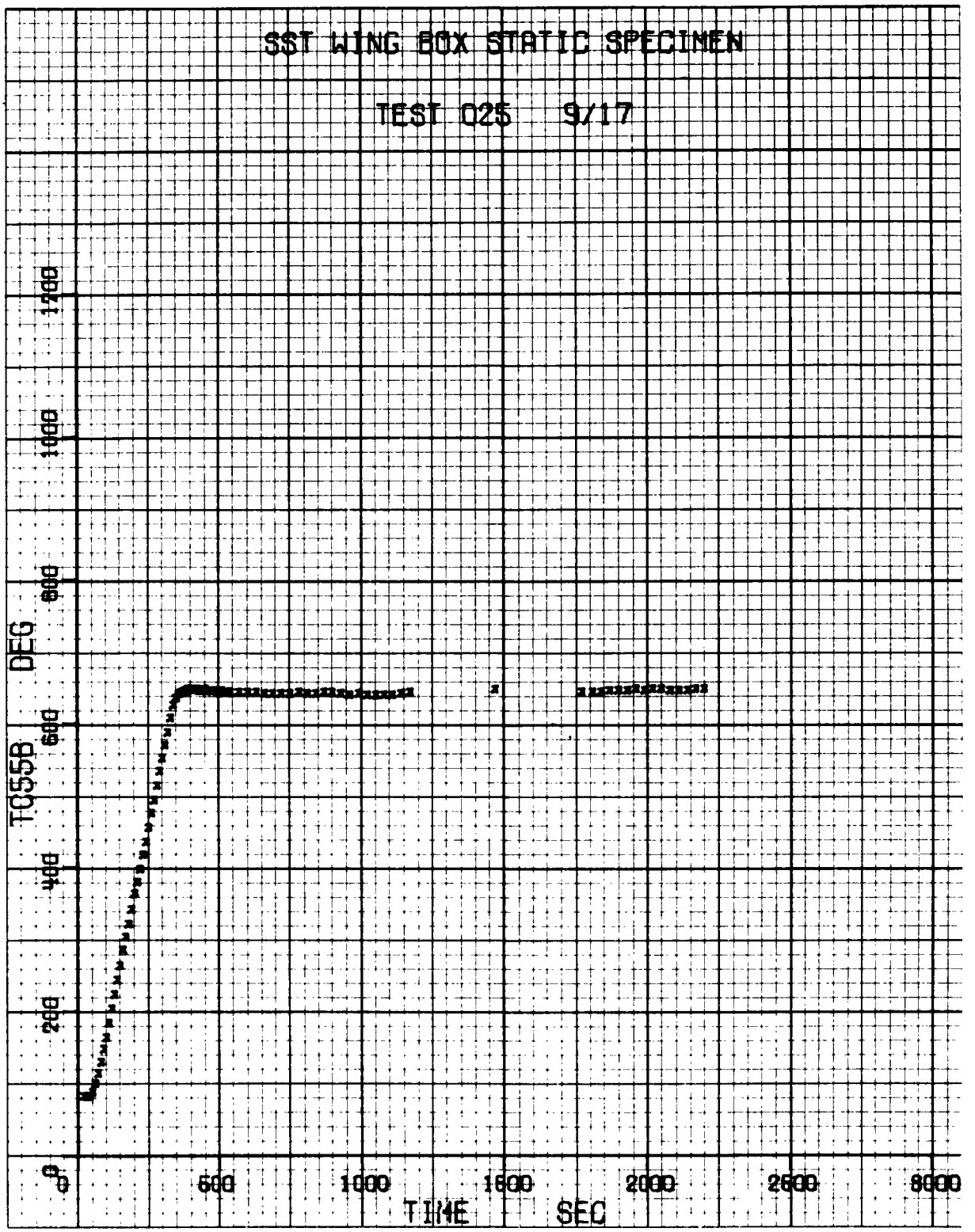
TIME SEC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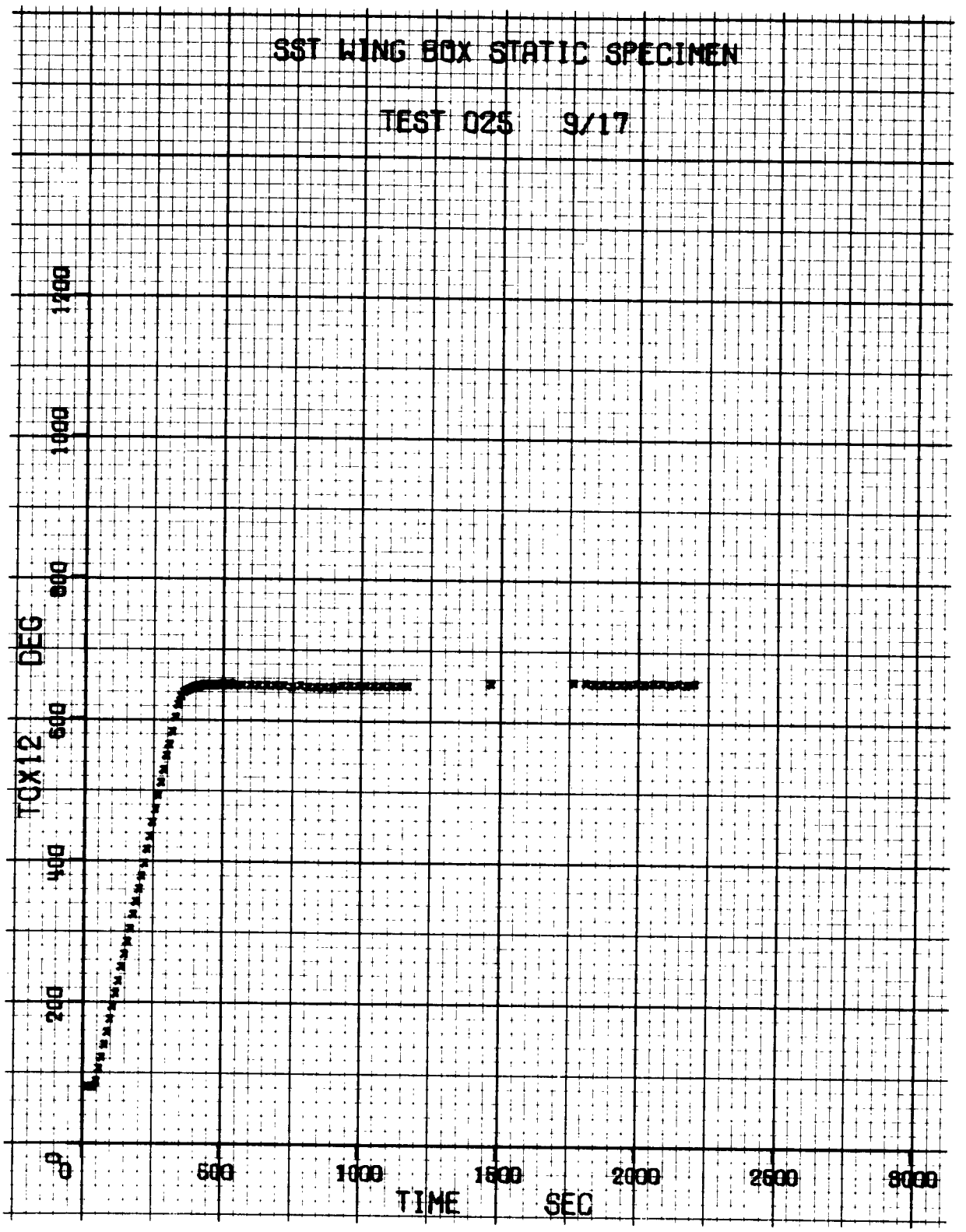
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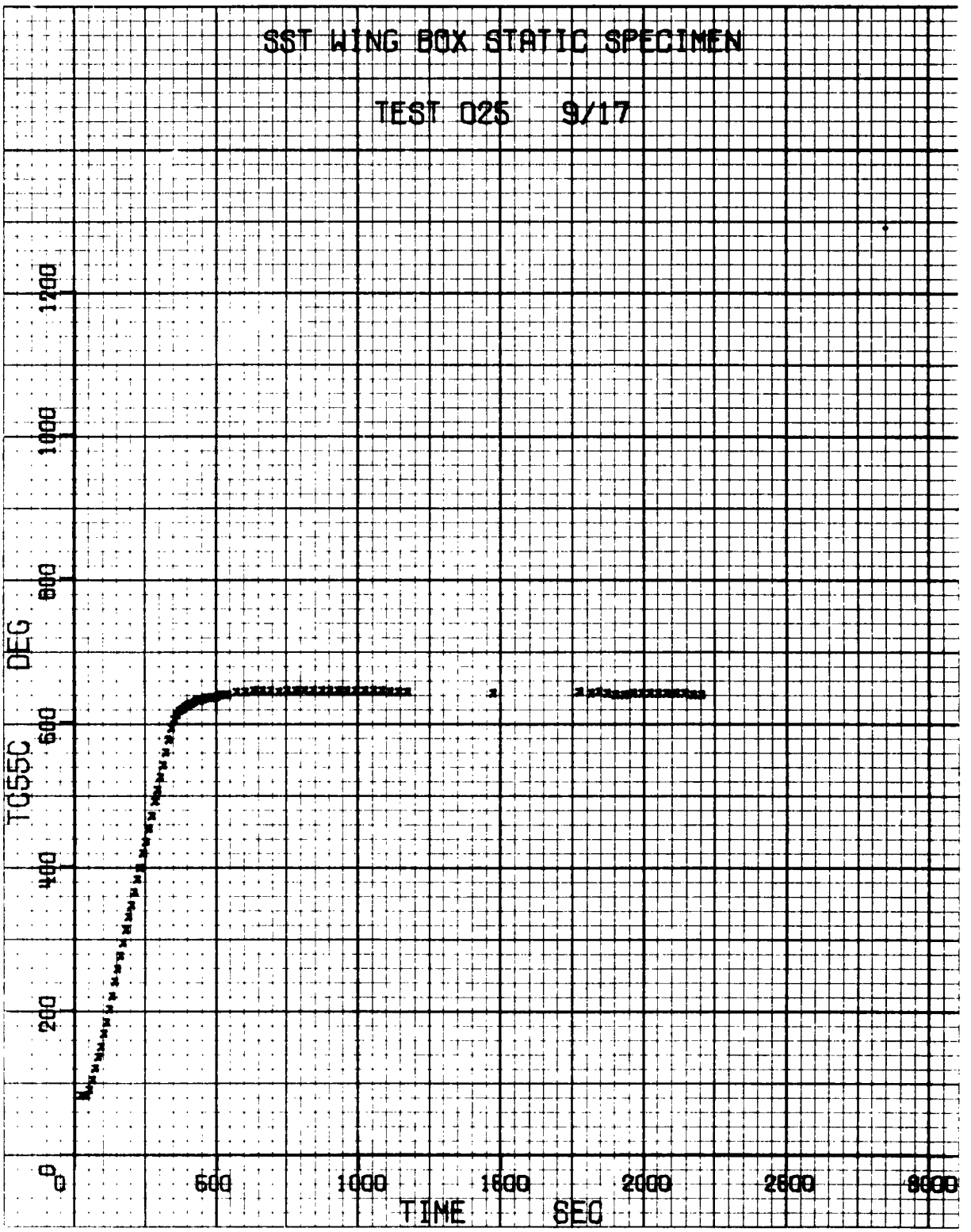
TIME SEC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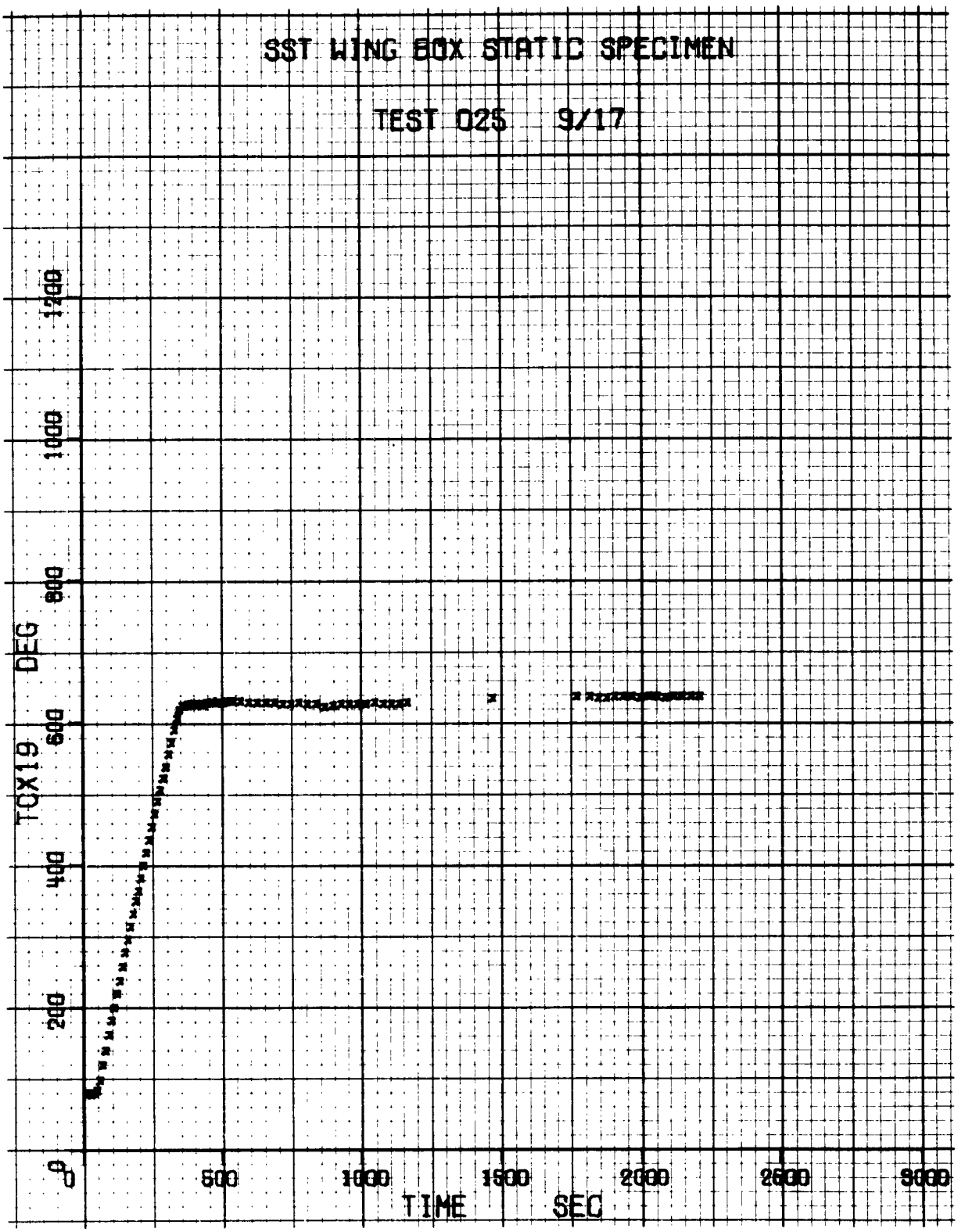
TIME SEC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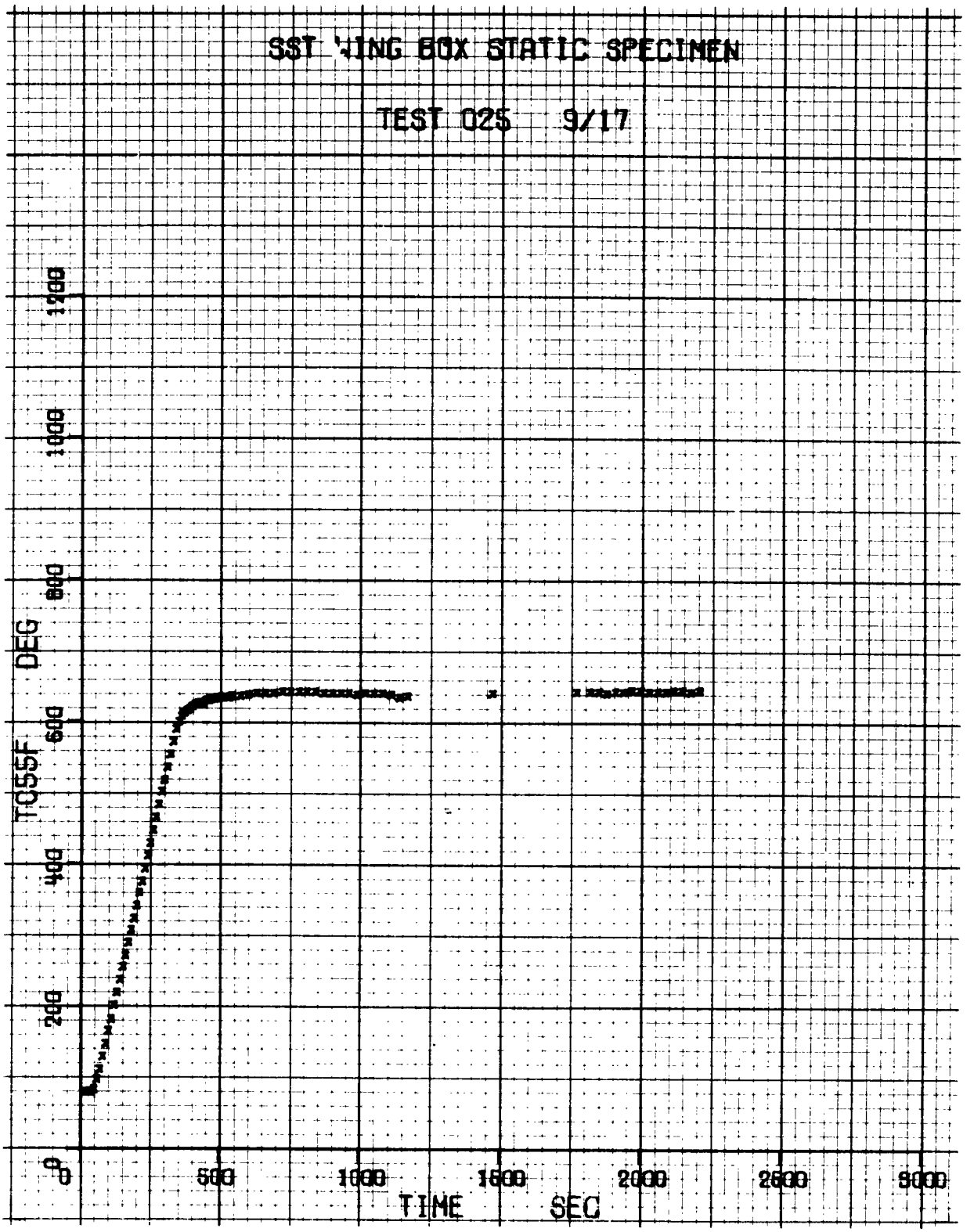
TIME SEC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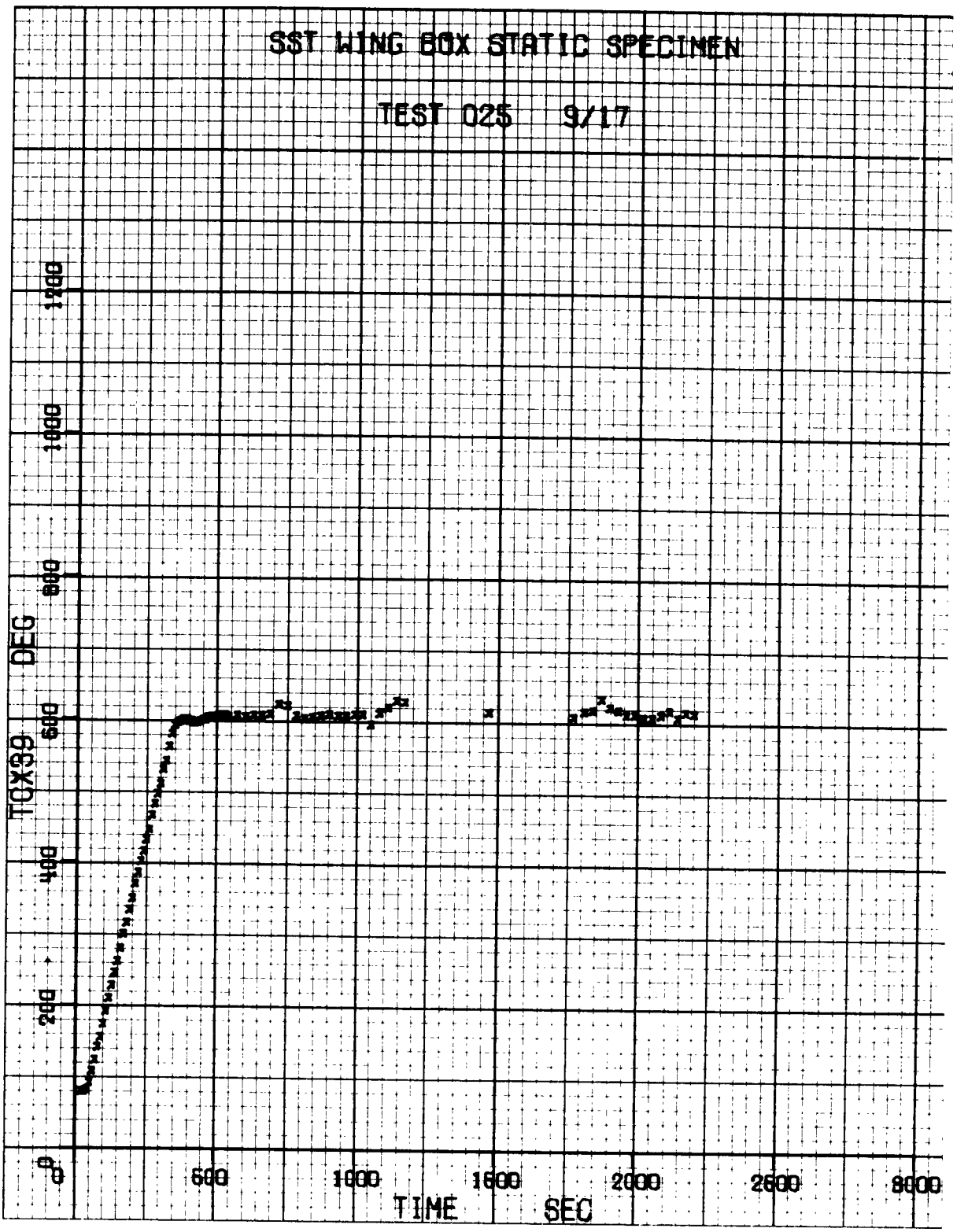
TIME SEC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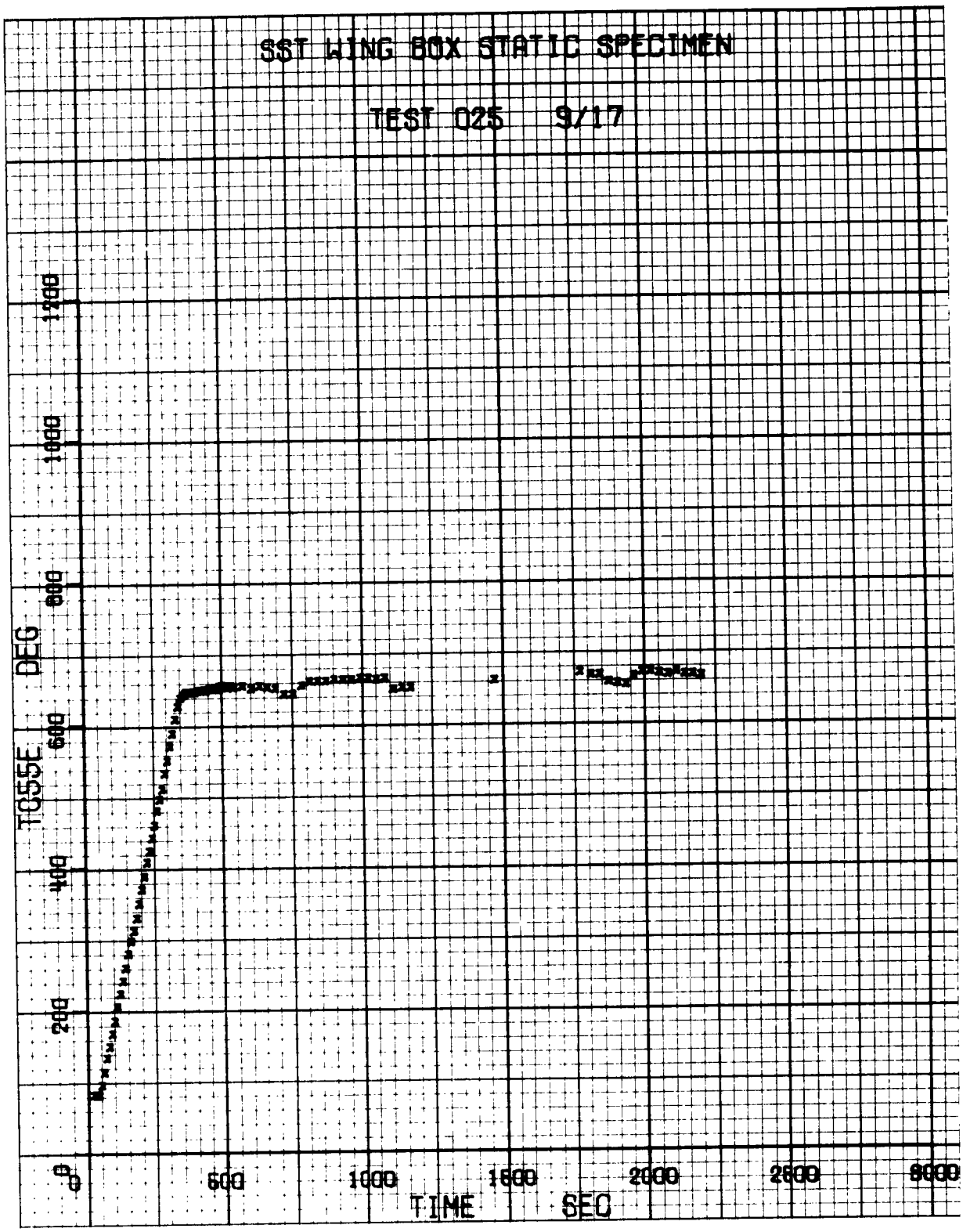
TIME SEC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TEST 025 9/17
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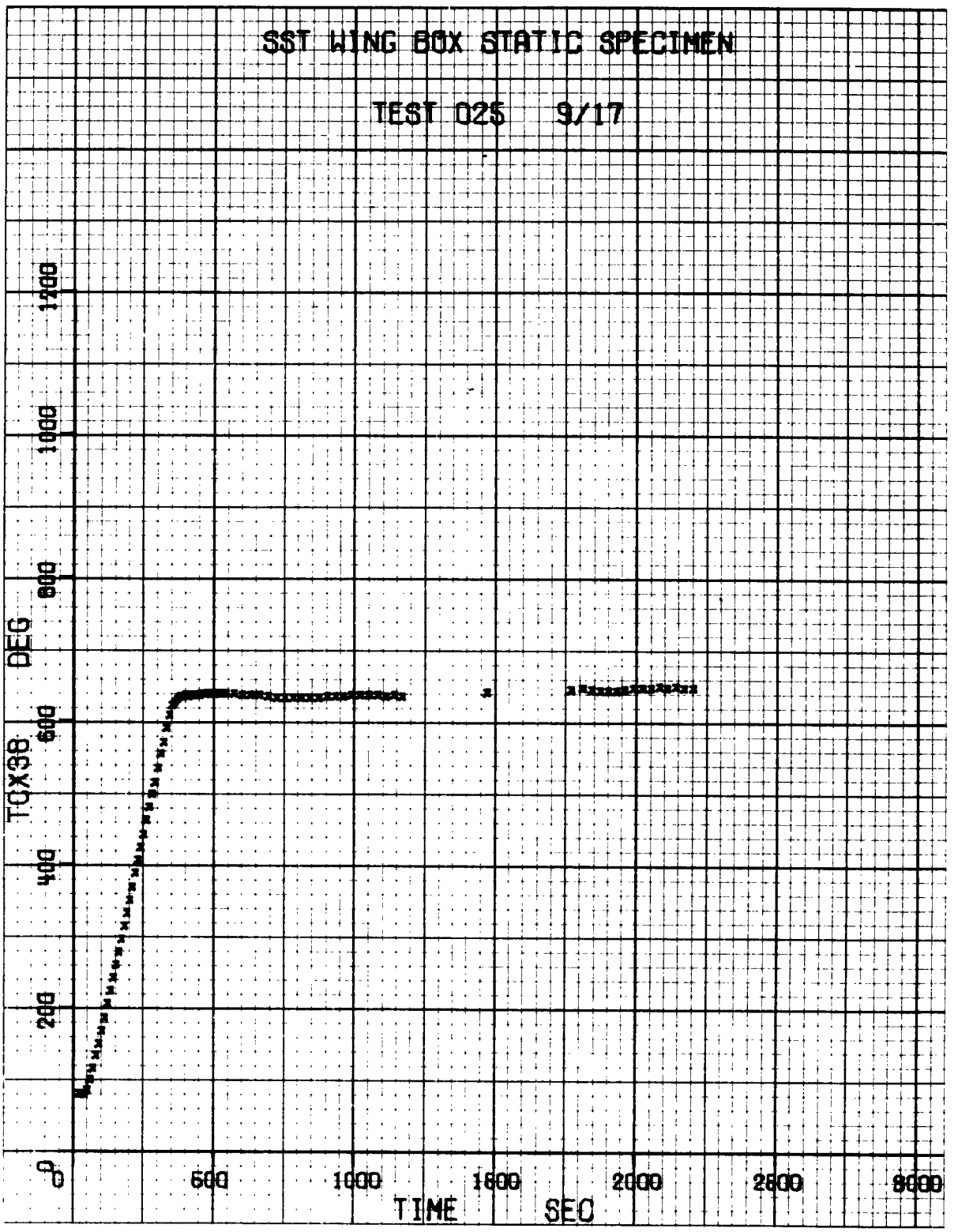
2600
3000
TIME SEC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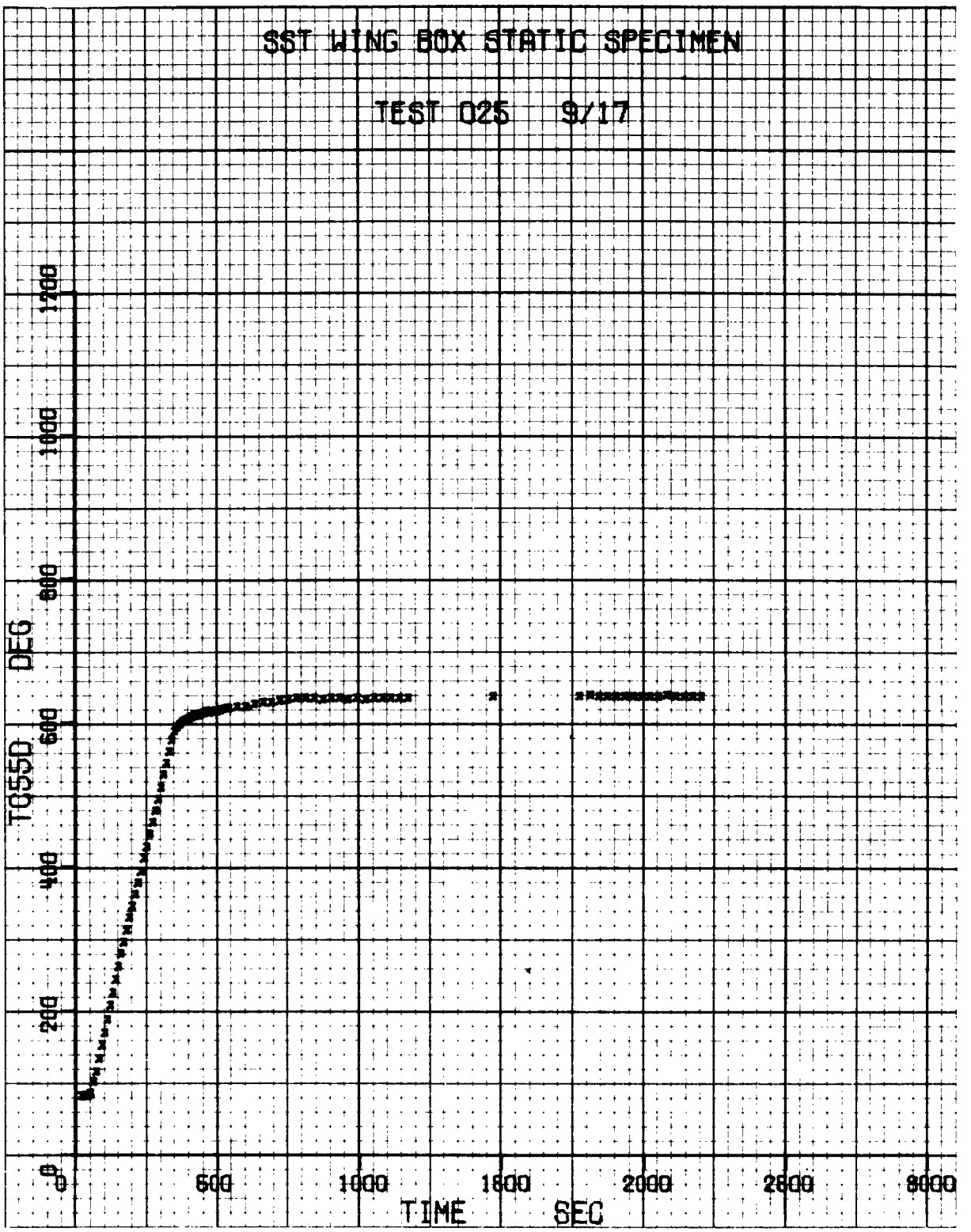
SST WING BOX STATIC SPECIMEN
TEST 025 9/17
TC55D DEG
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1600
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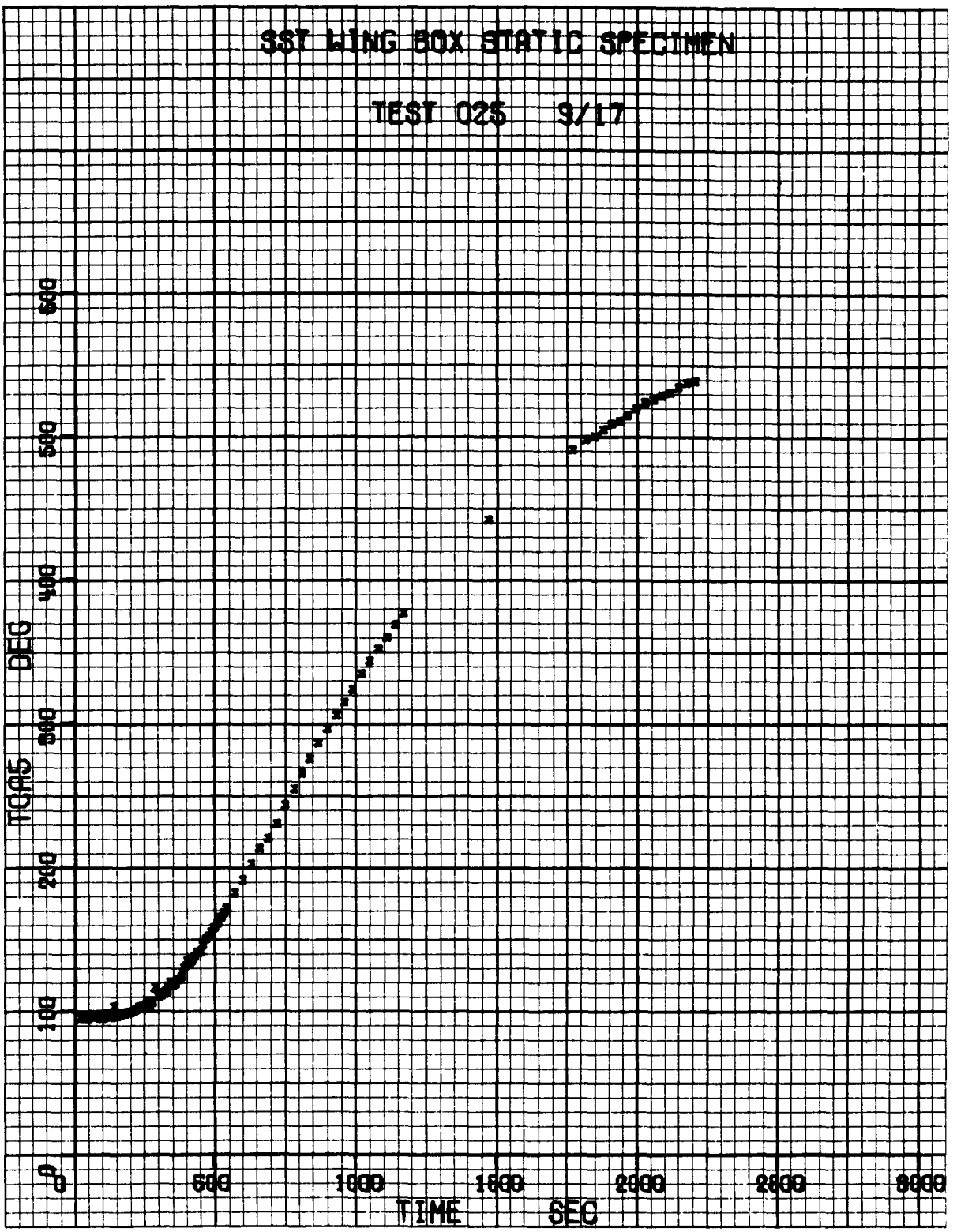
2600
3000
TIME SEC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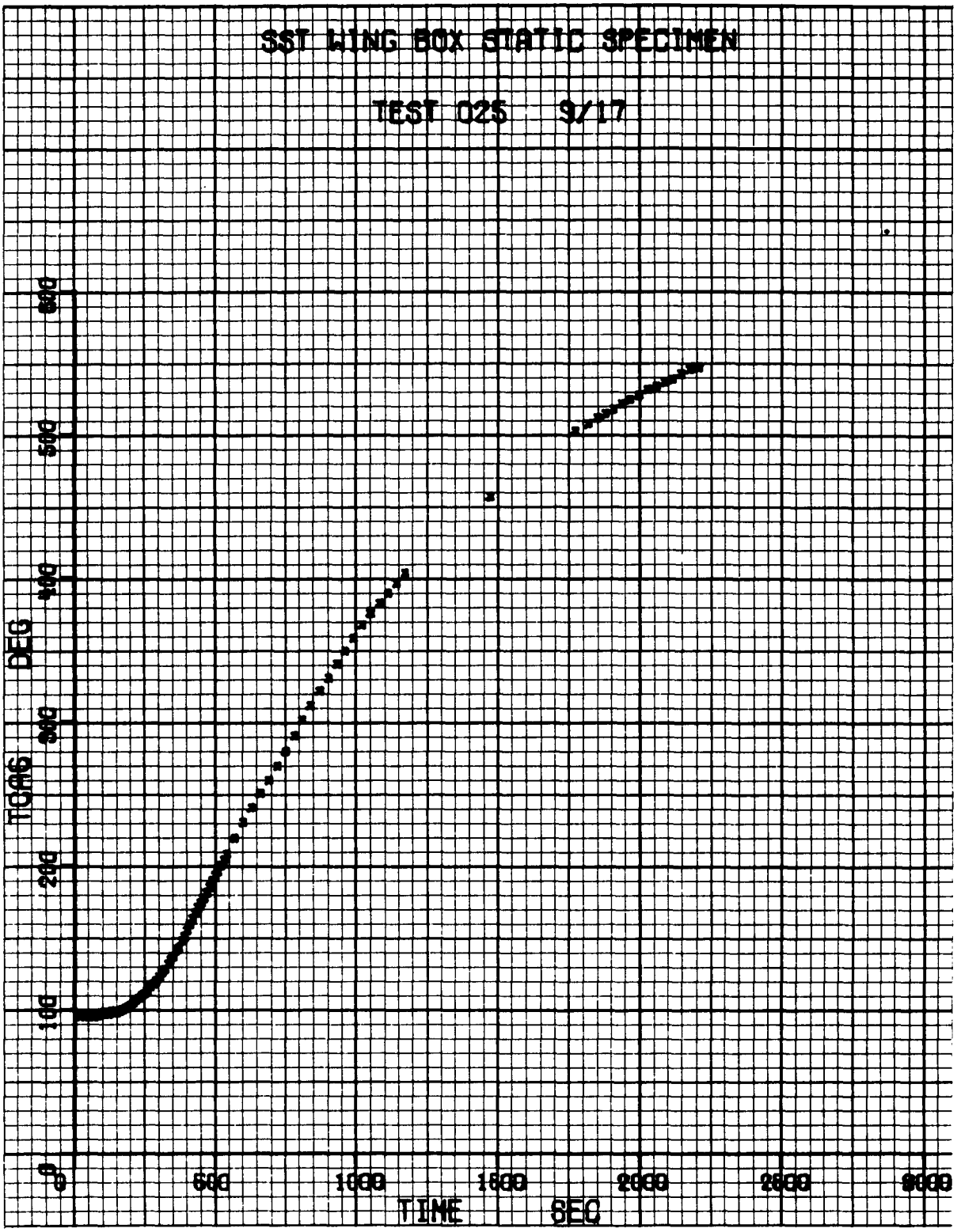
TIME SEC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TEMP DEG
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TIME SEC
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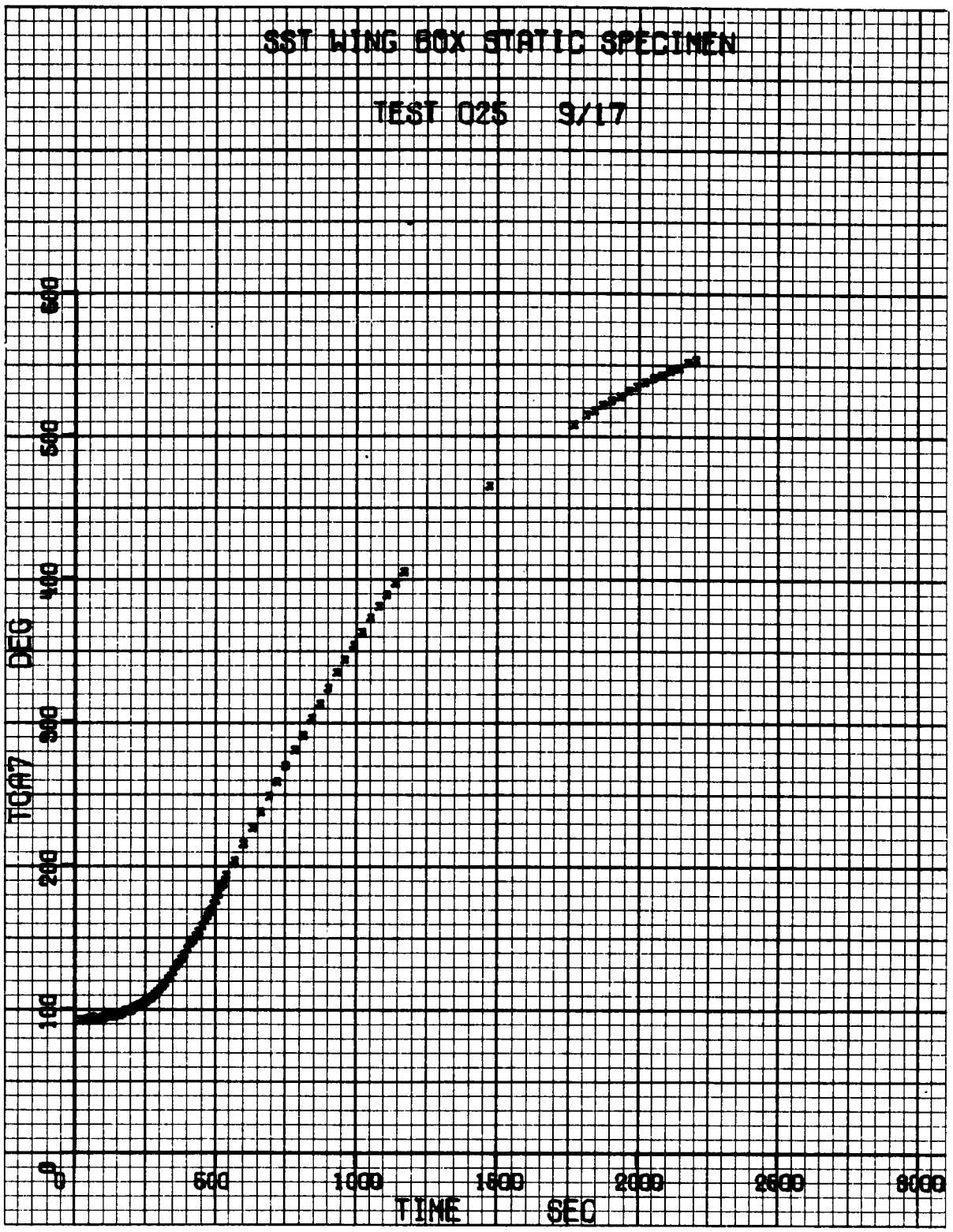
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TEST 025 9/17
TGA7 DEG
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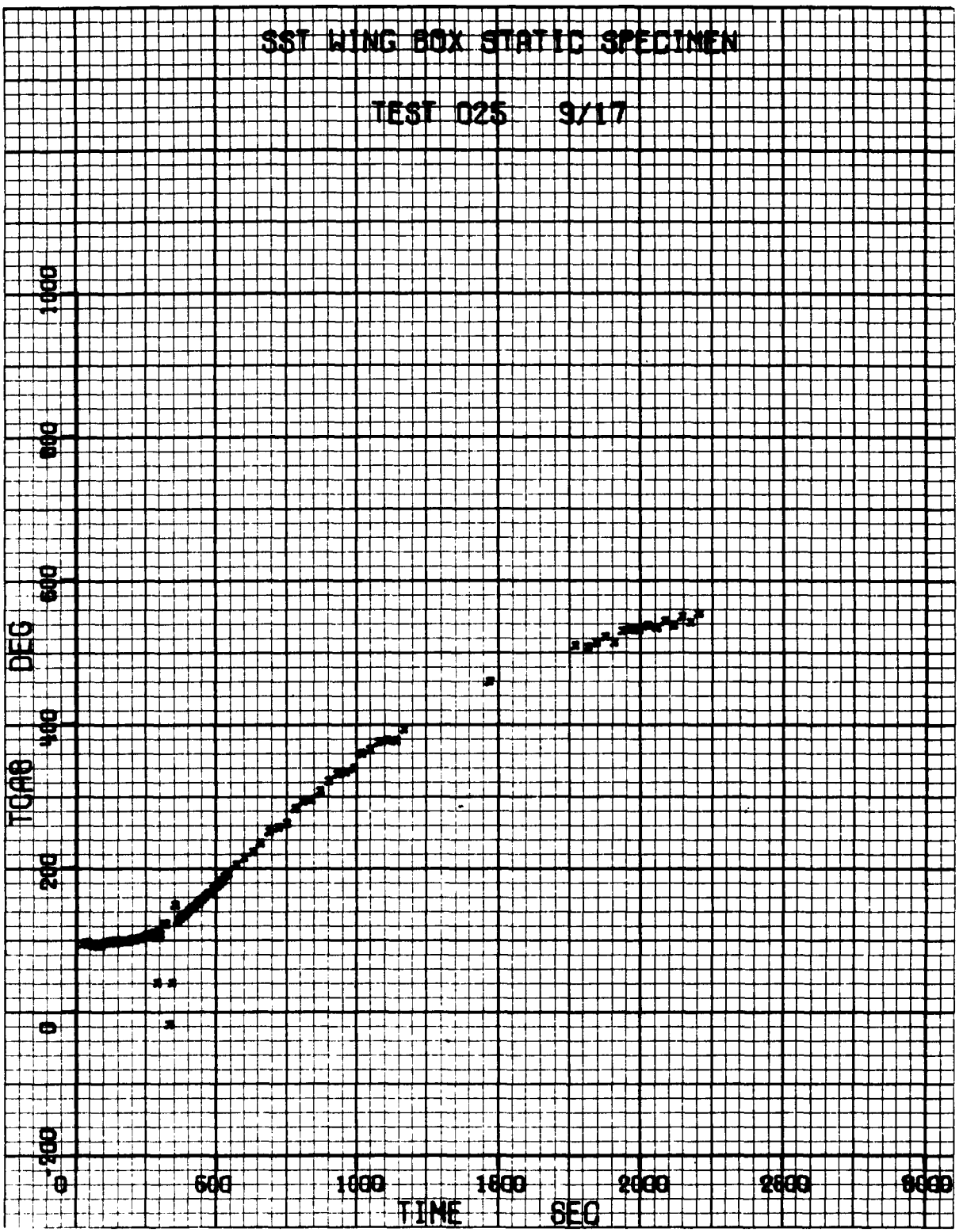
TIME SEC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TEST 025 9/17
TCAB DEG
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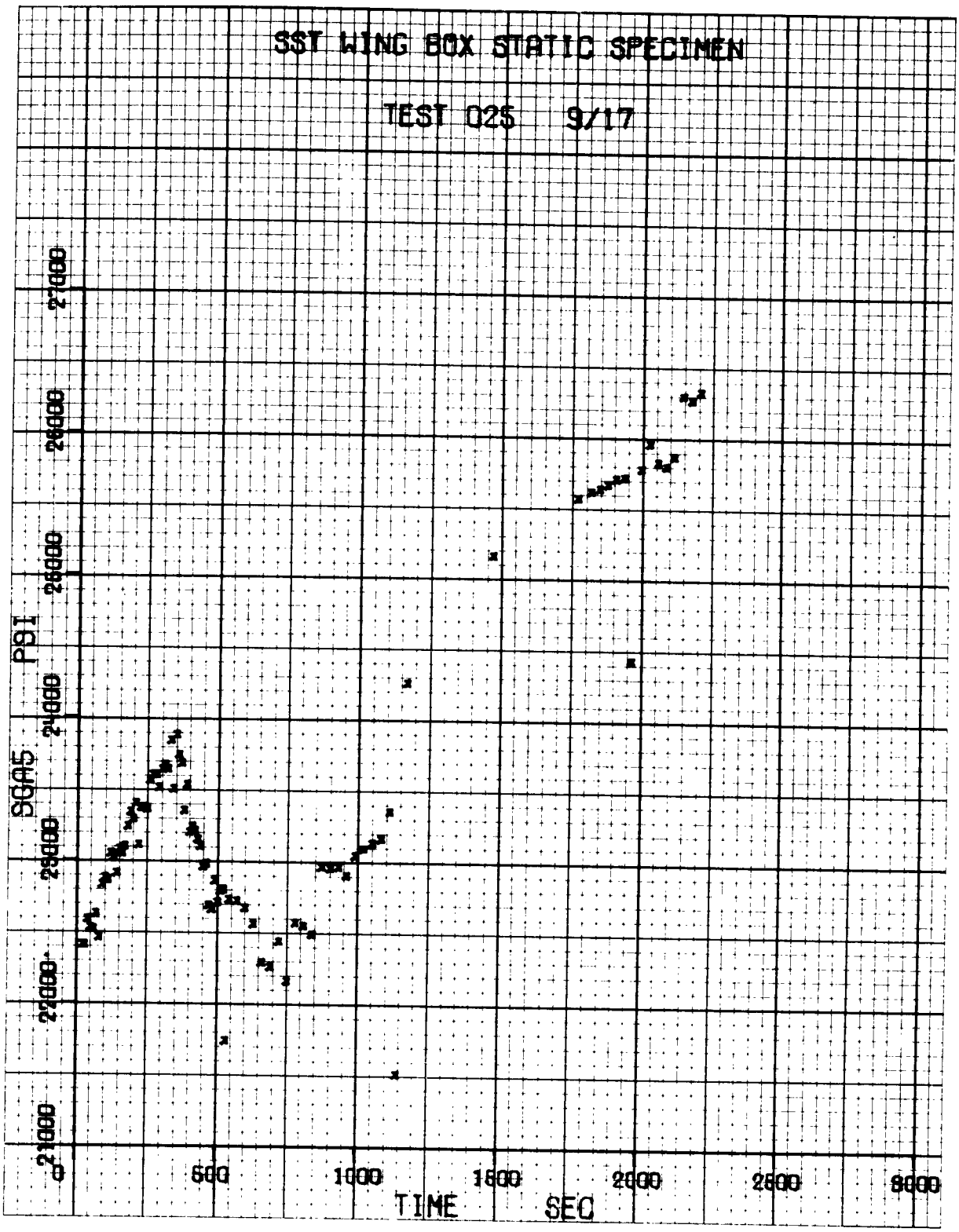
TIME SEC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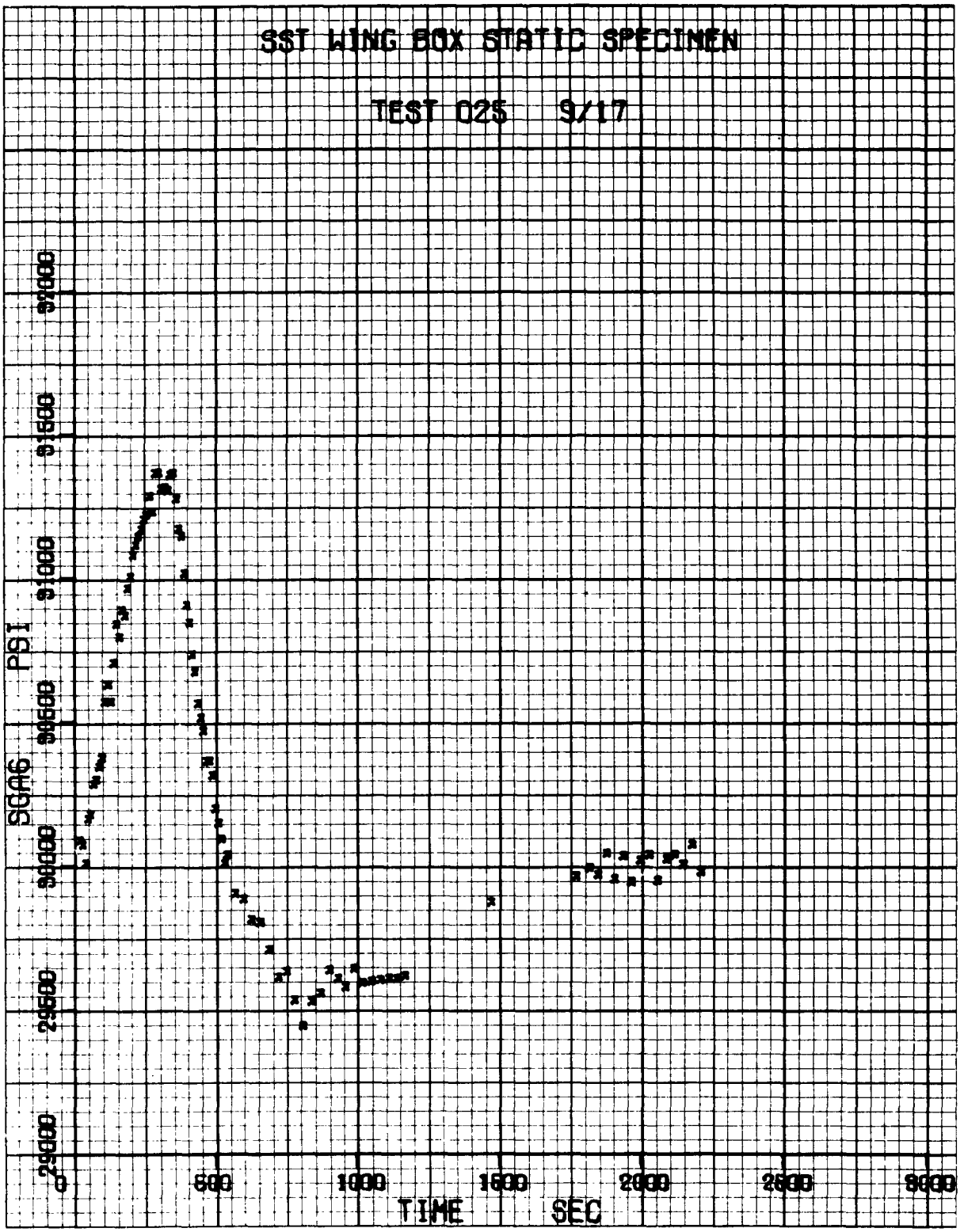
TIME SEC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TEST 025 9/17
SGMG PSI
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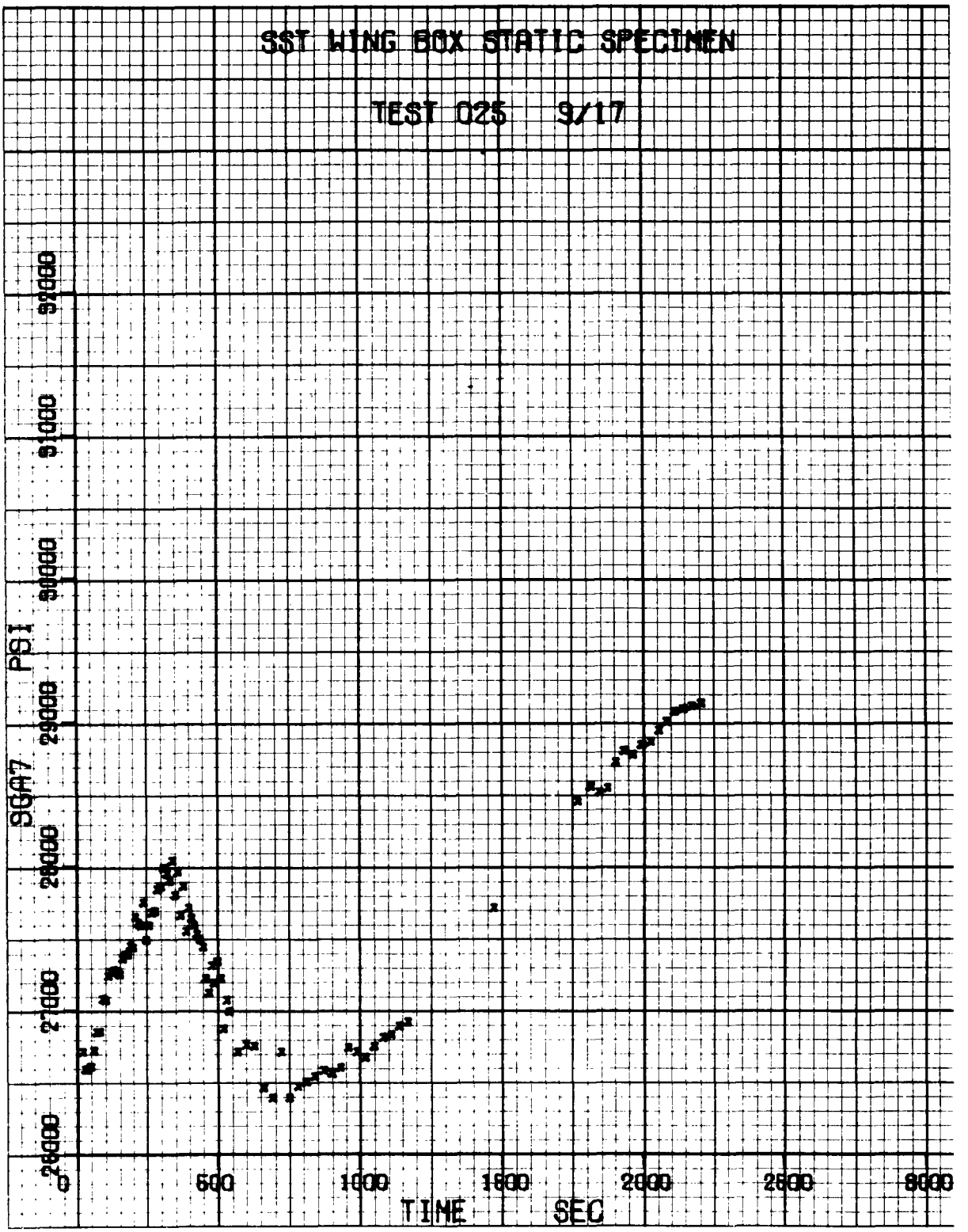
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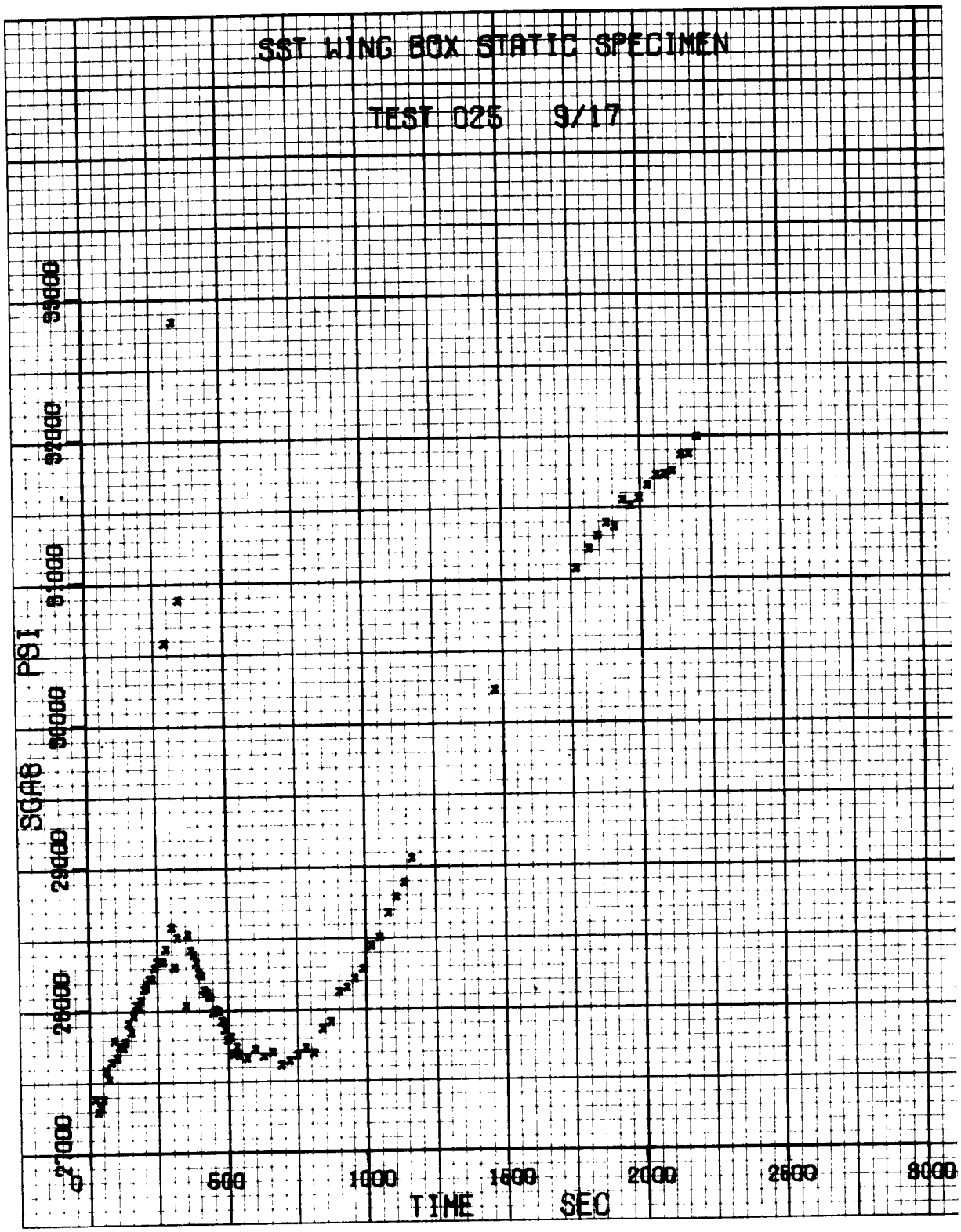
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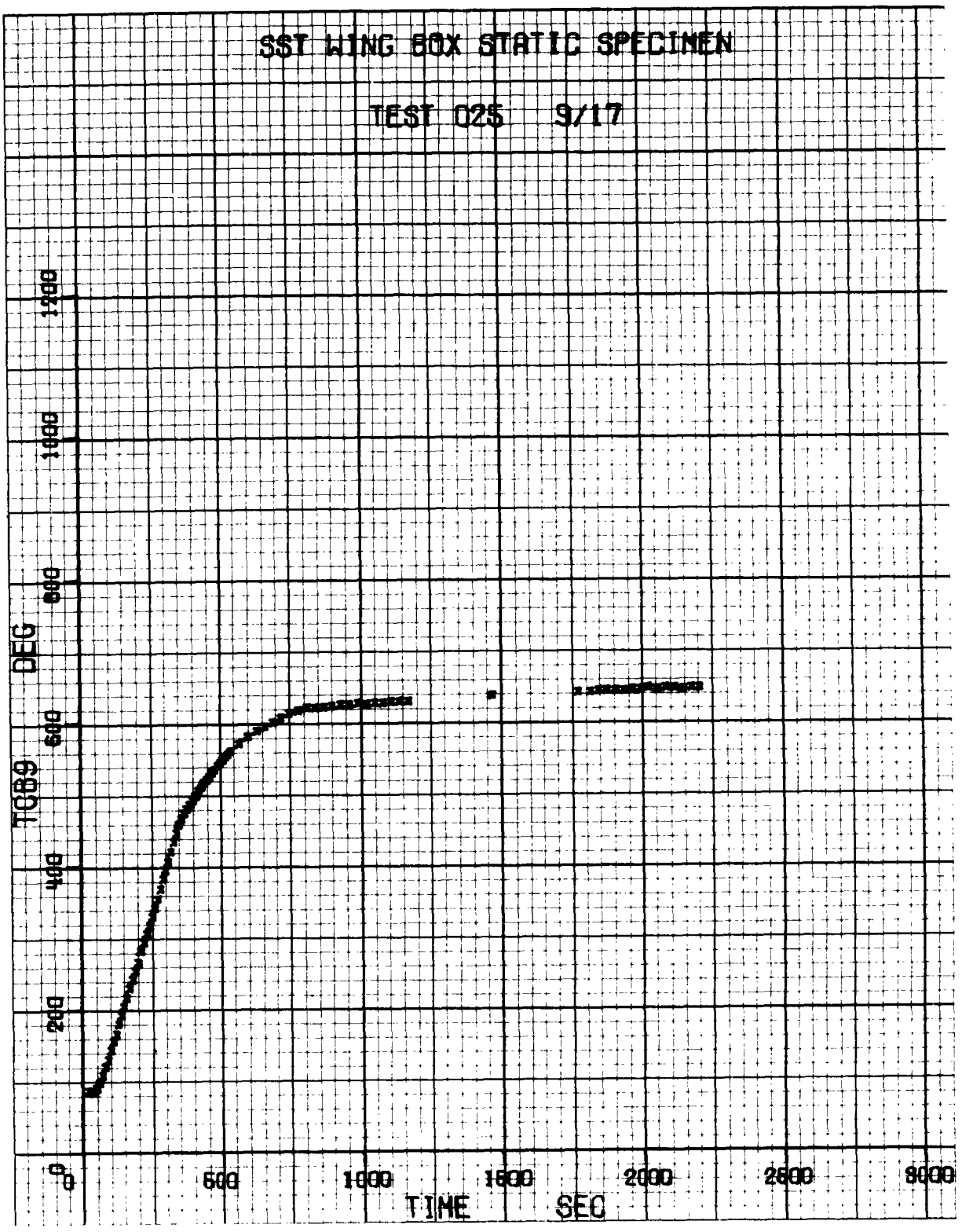
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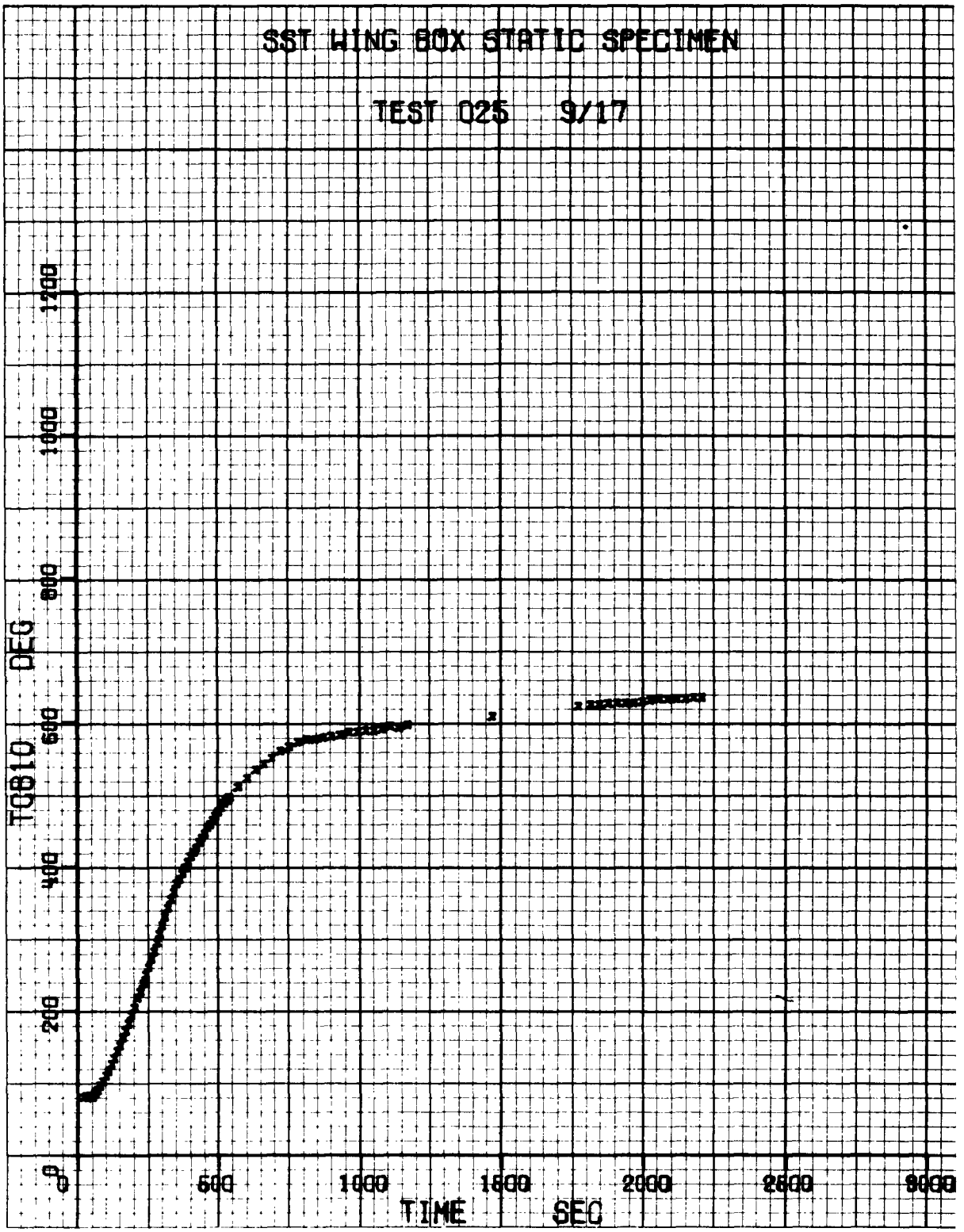
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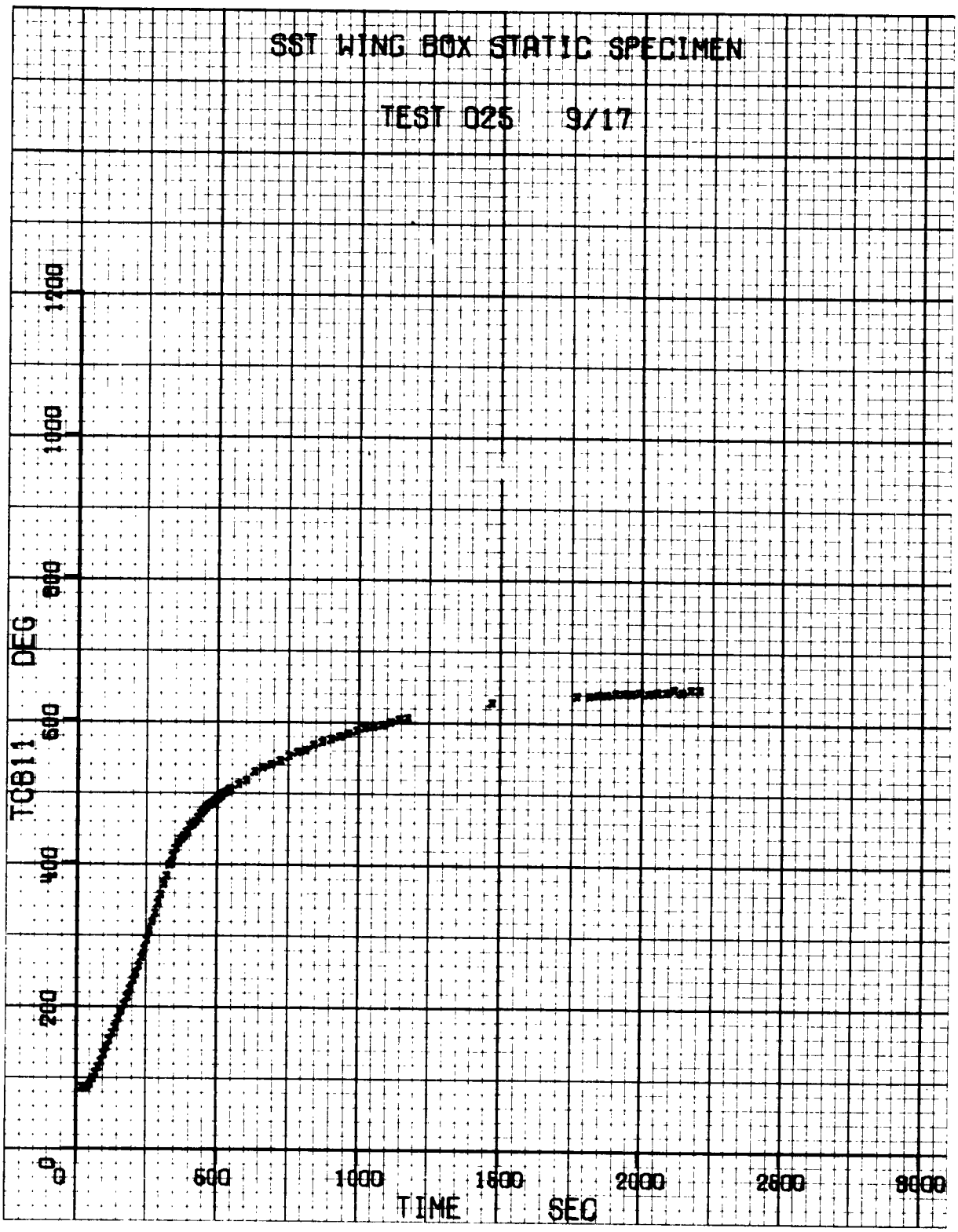
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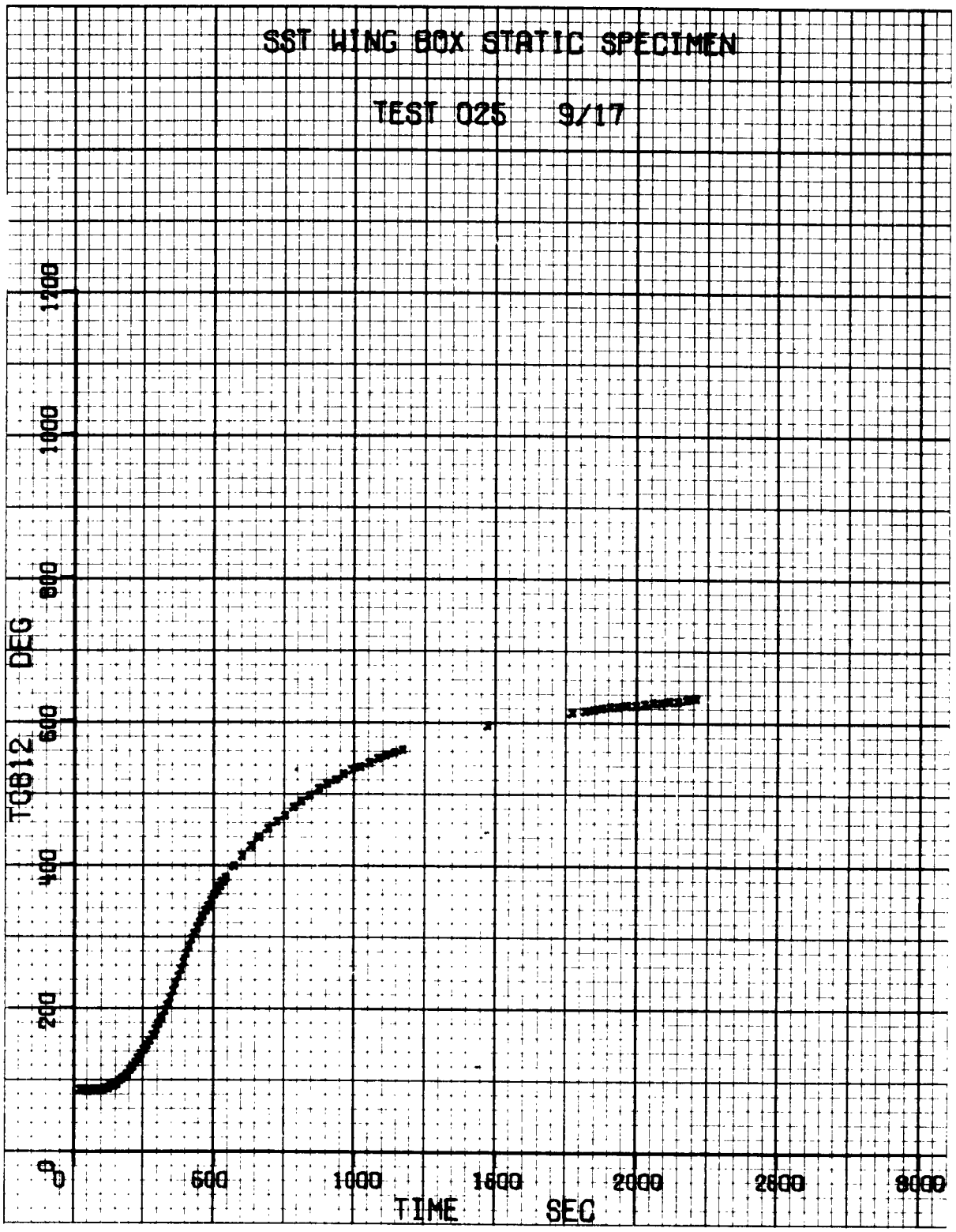
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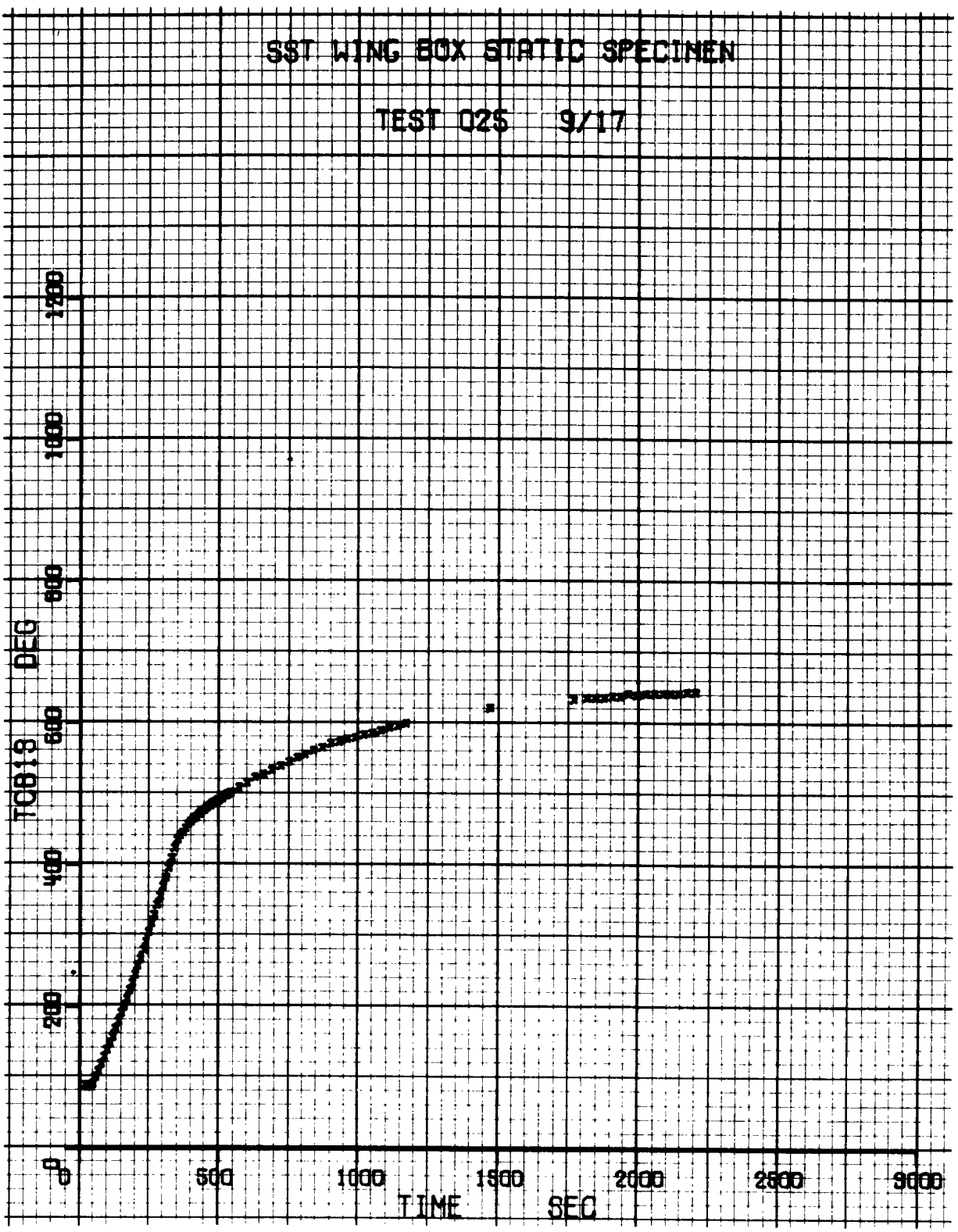
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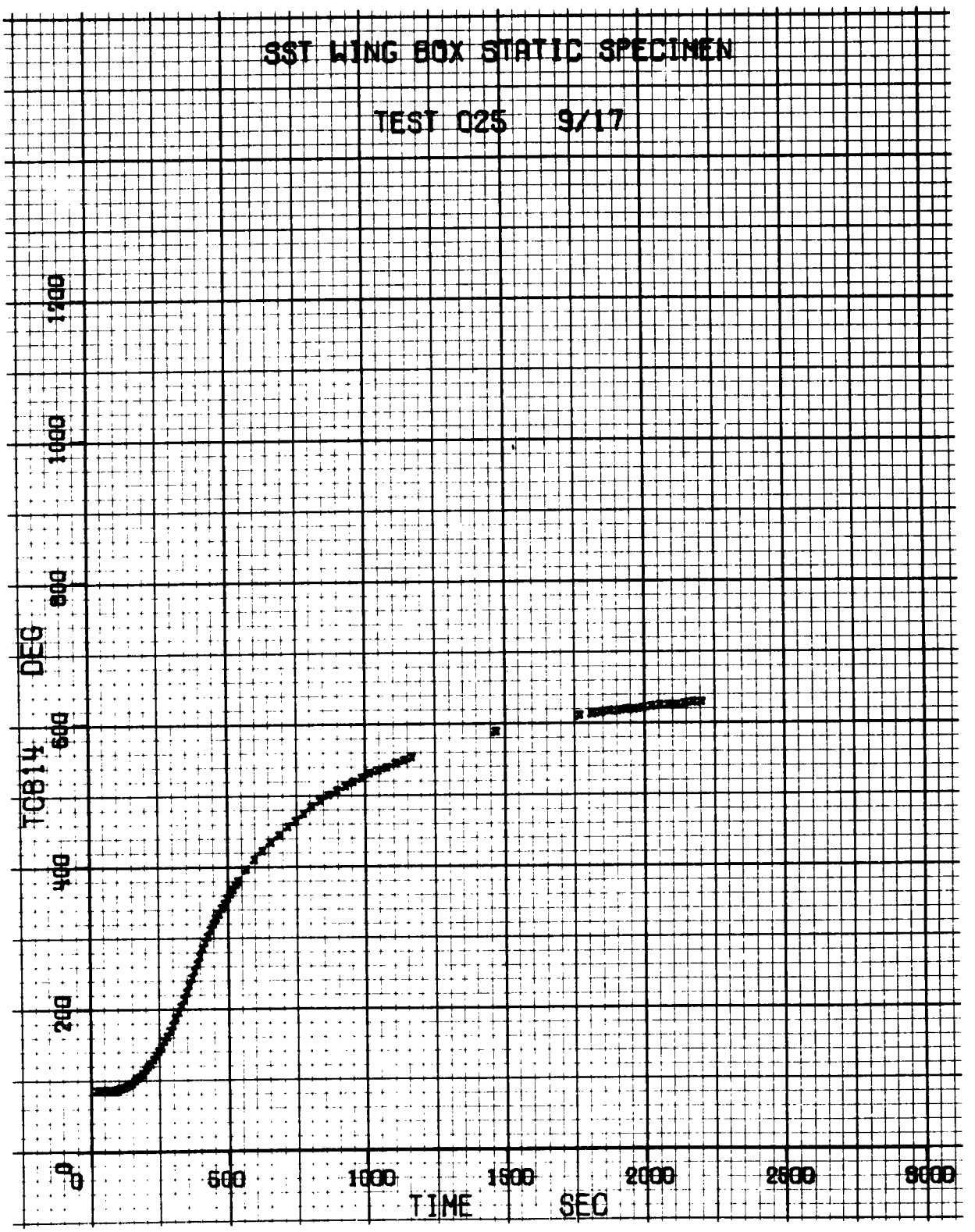
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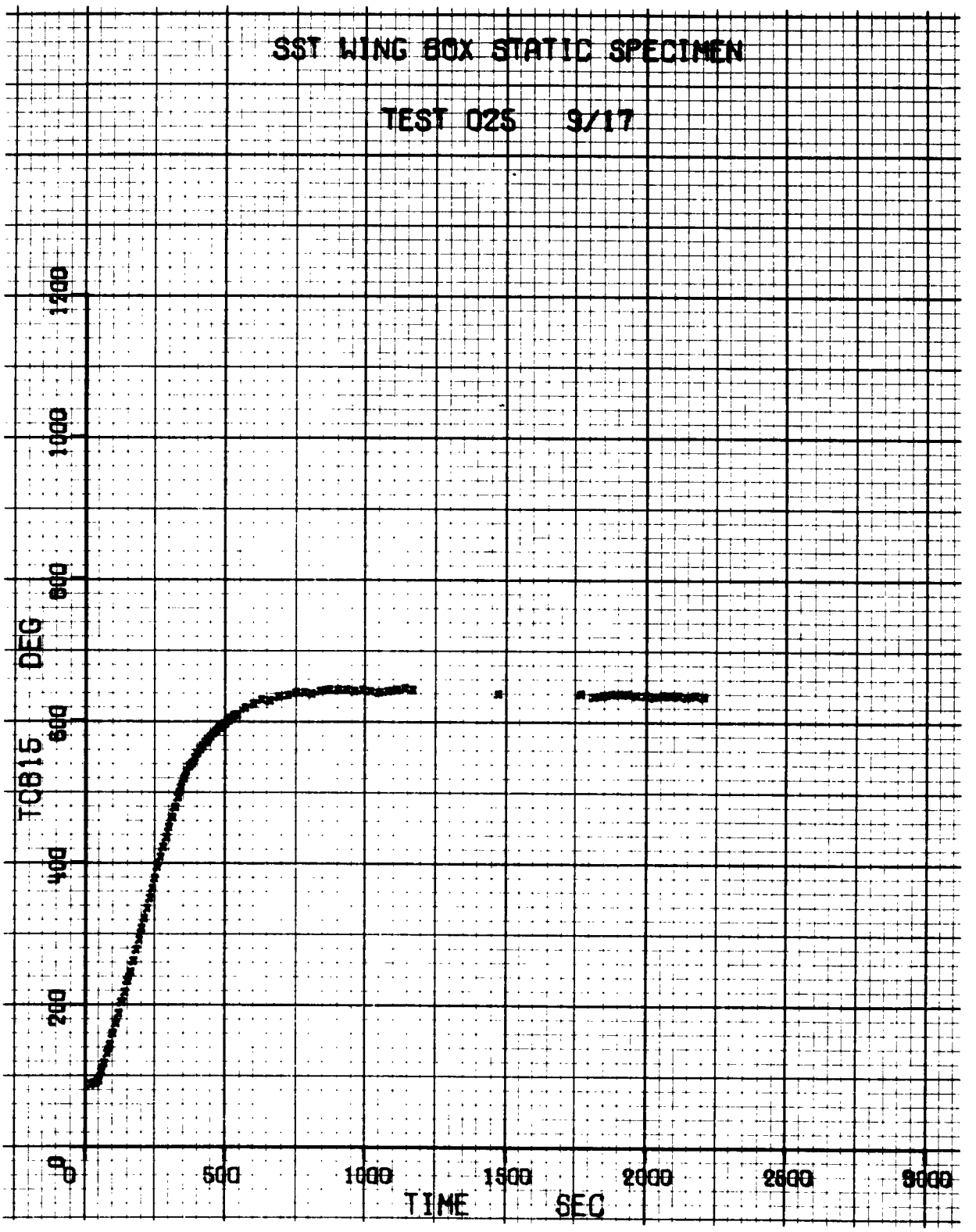
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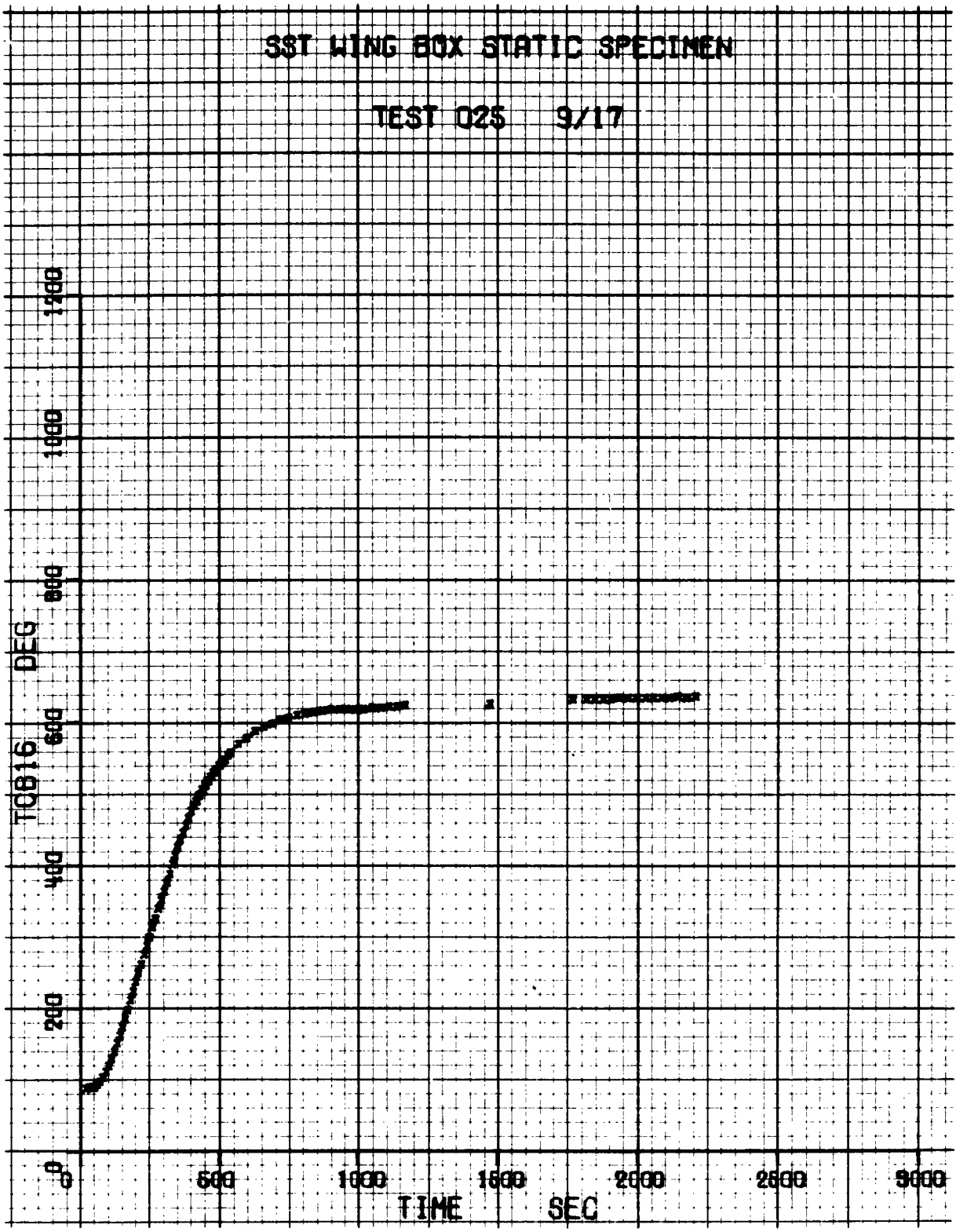
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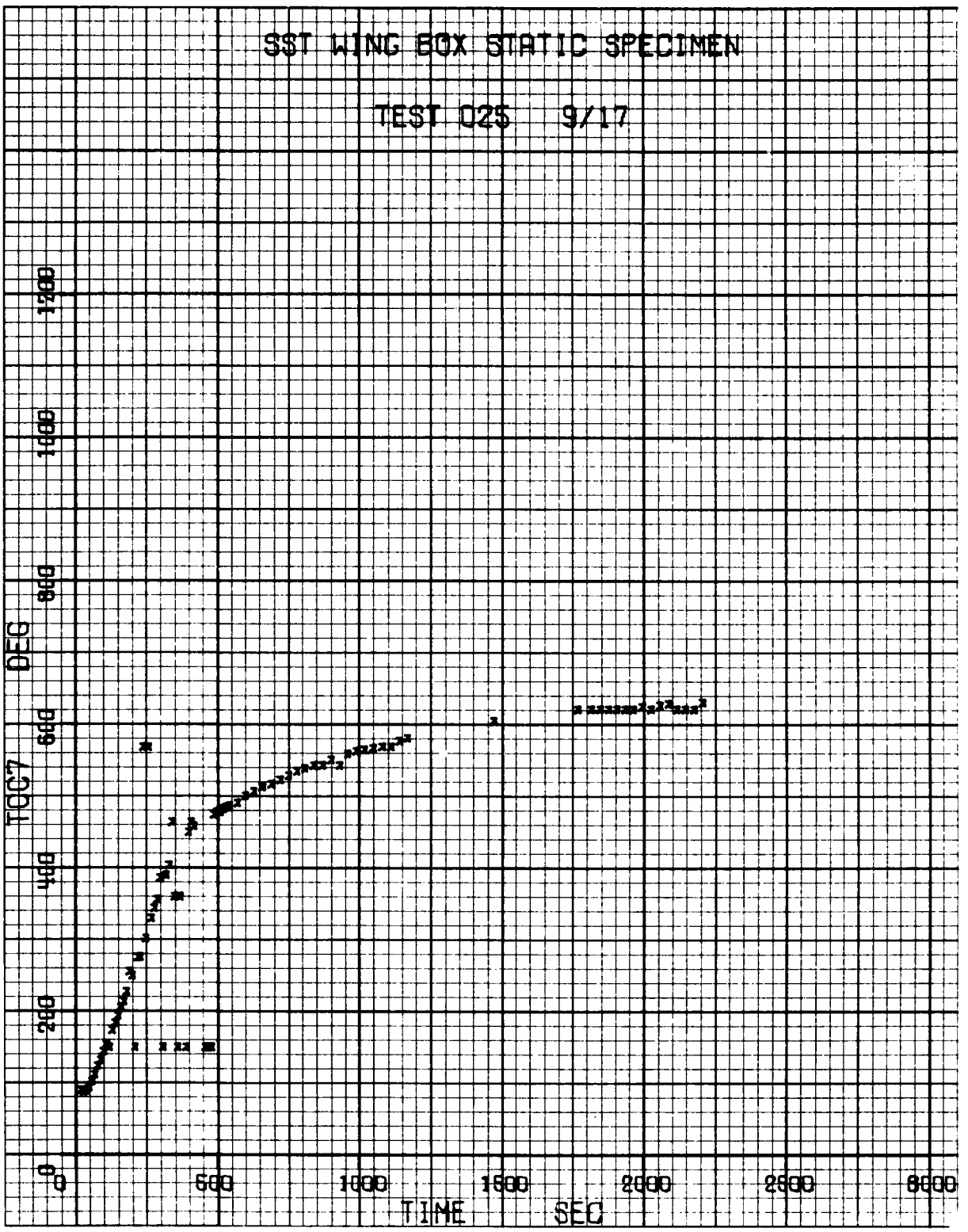
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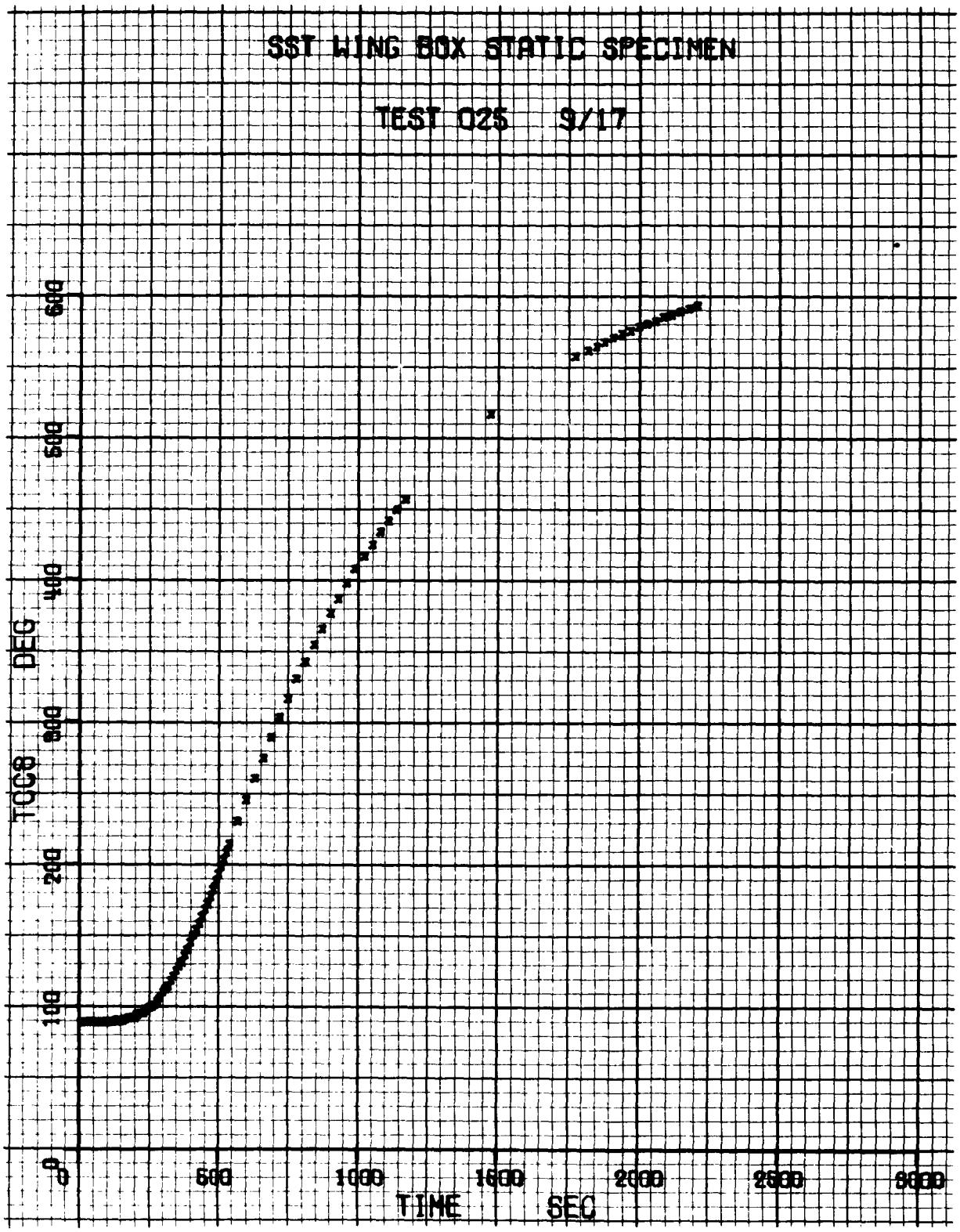
TIME SEC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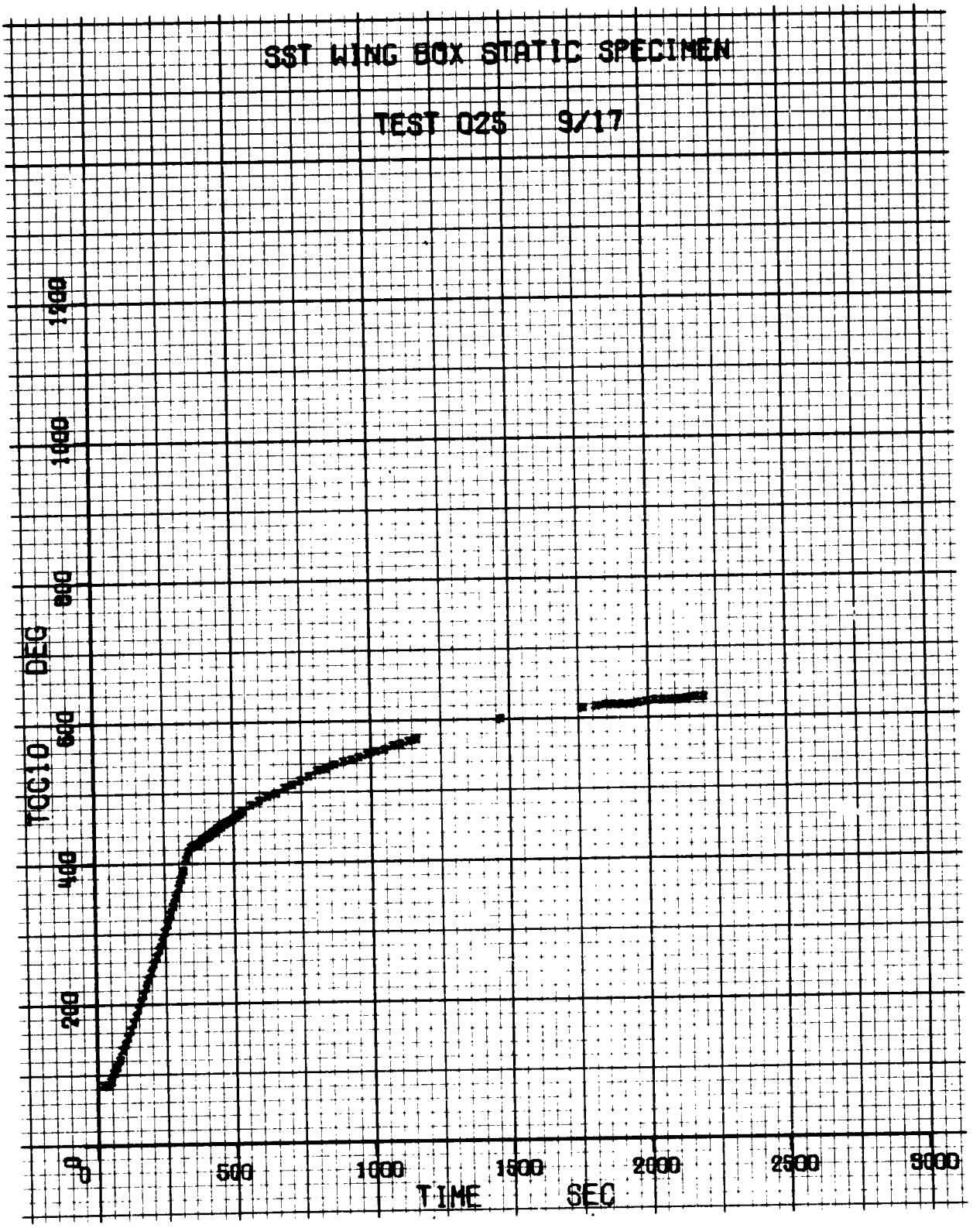
TIME SEC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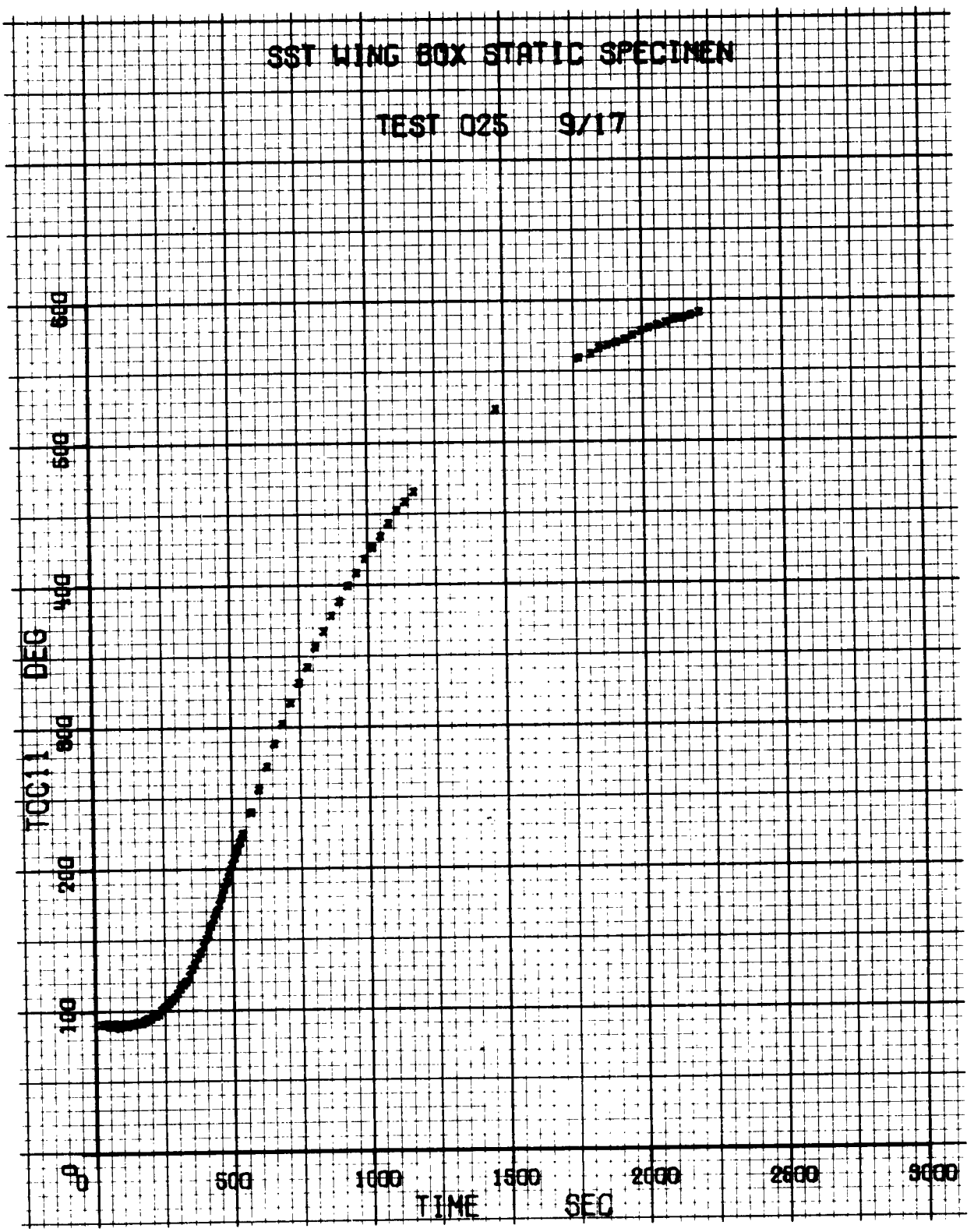
TIME SEC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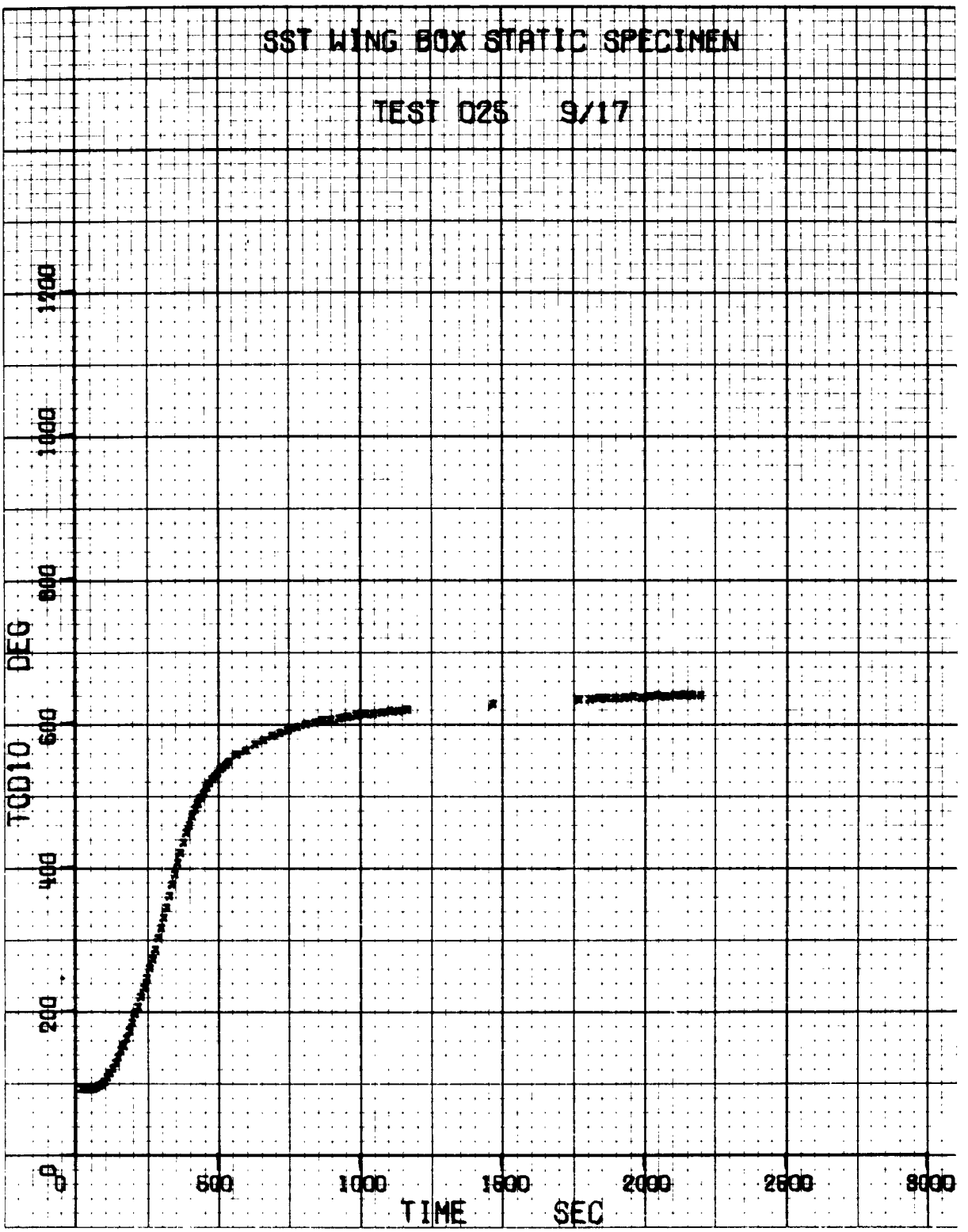
TIME SEC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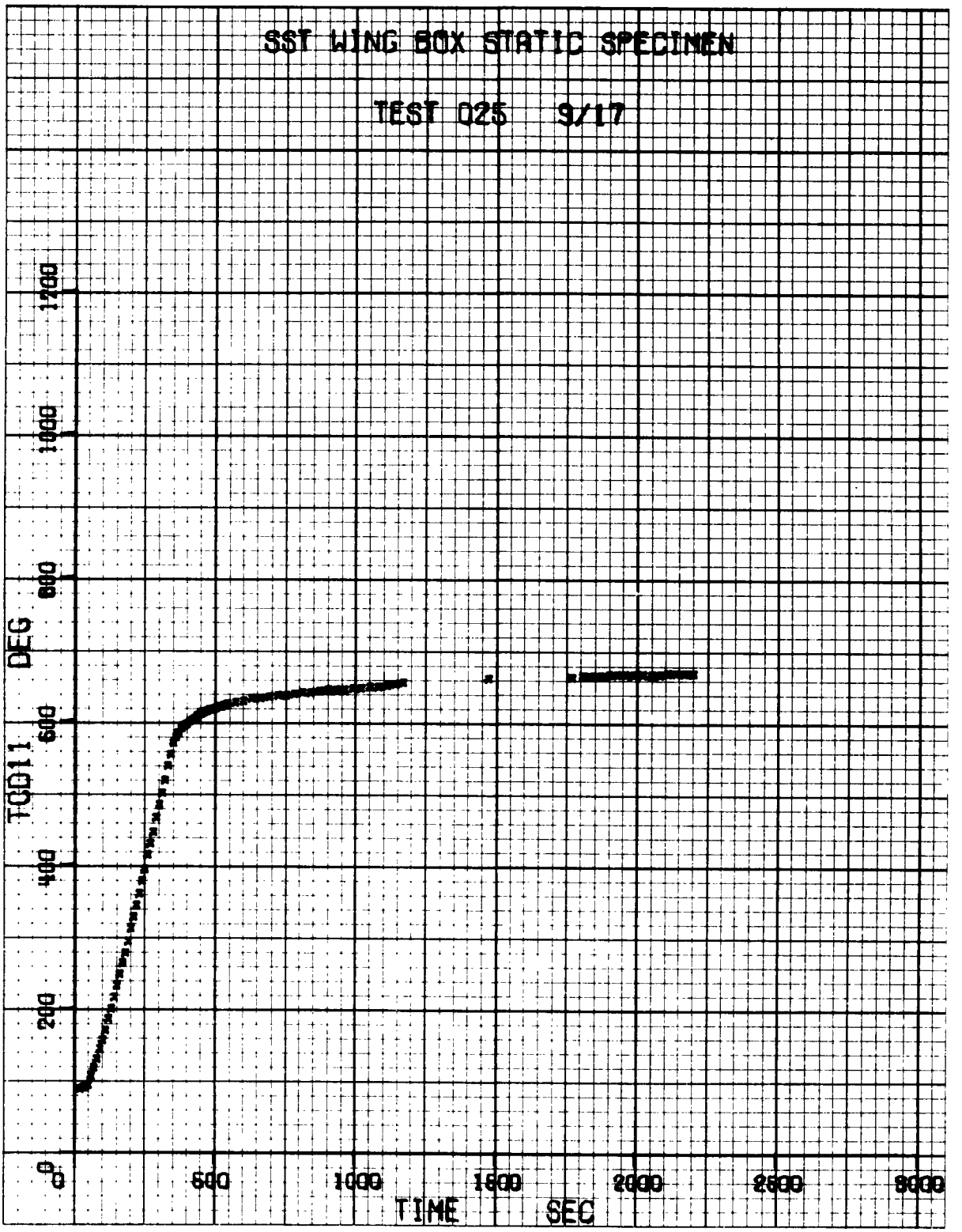
TIME SEC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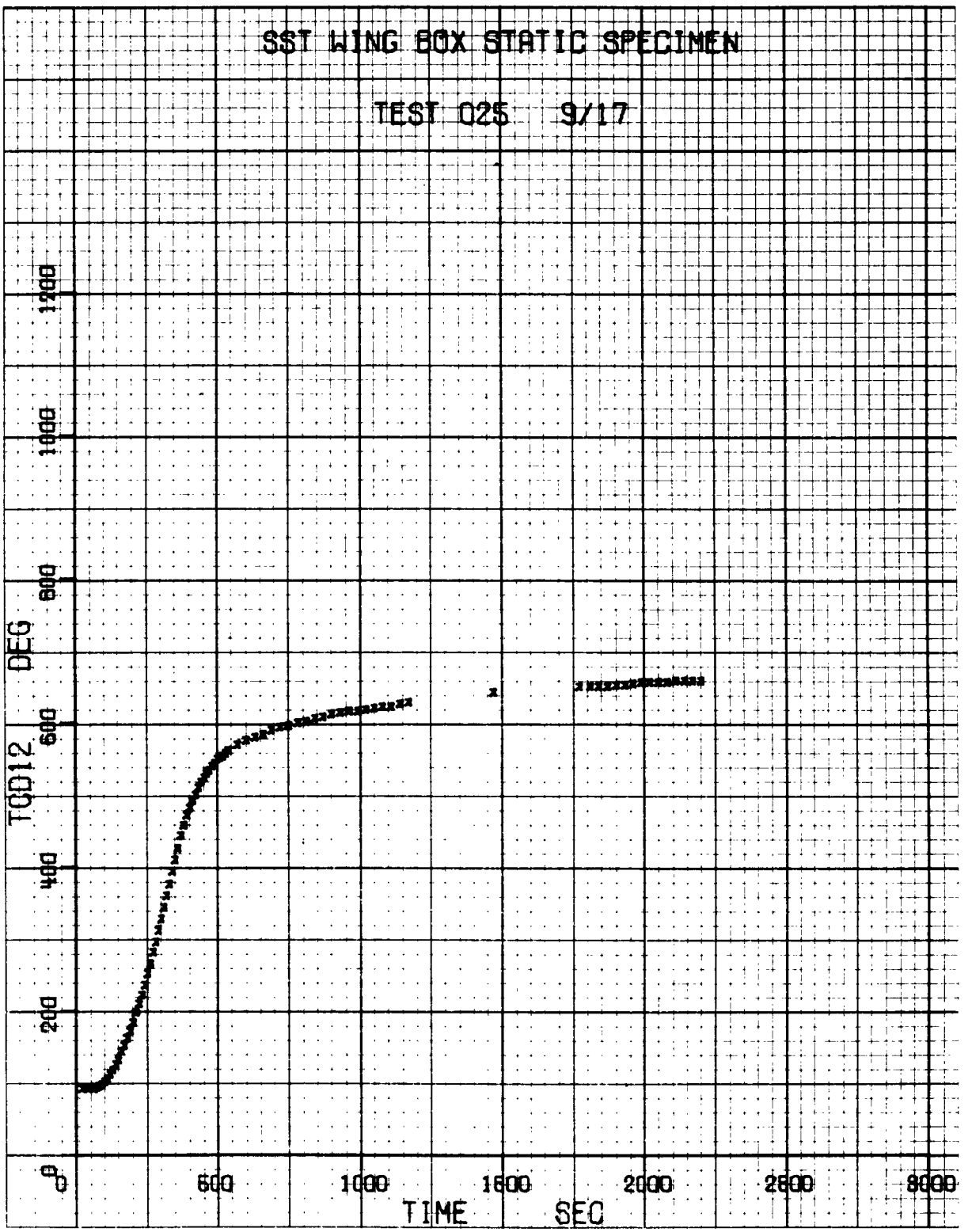
TIME SEC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TEST 025 9/17
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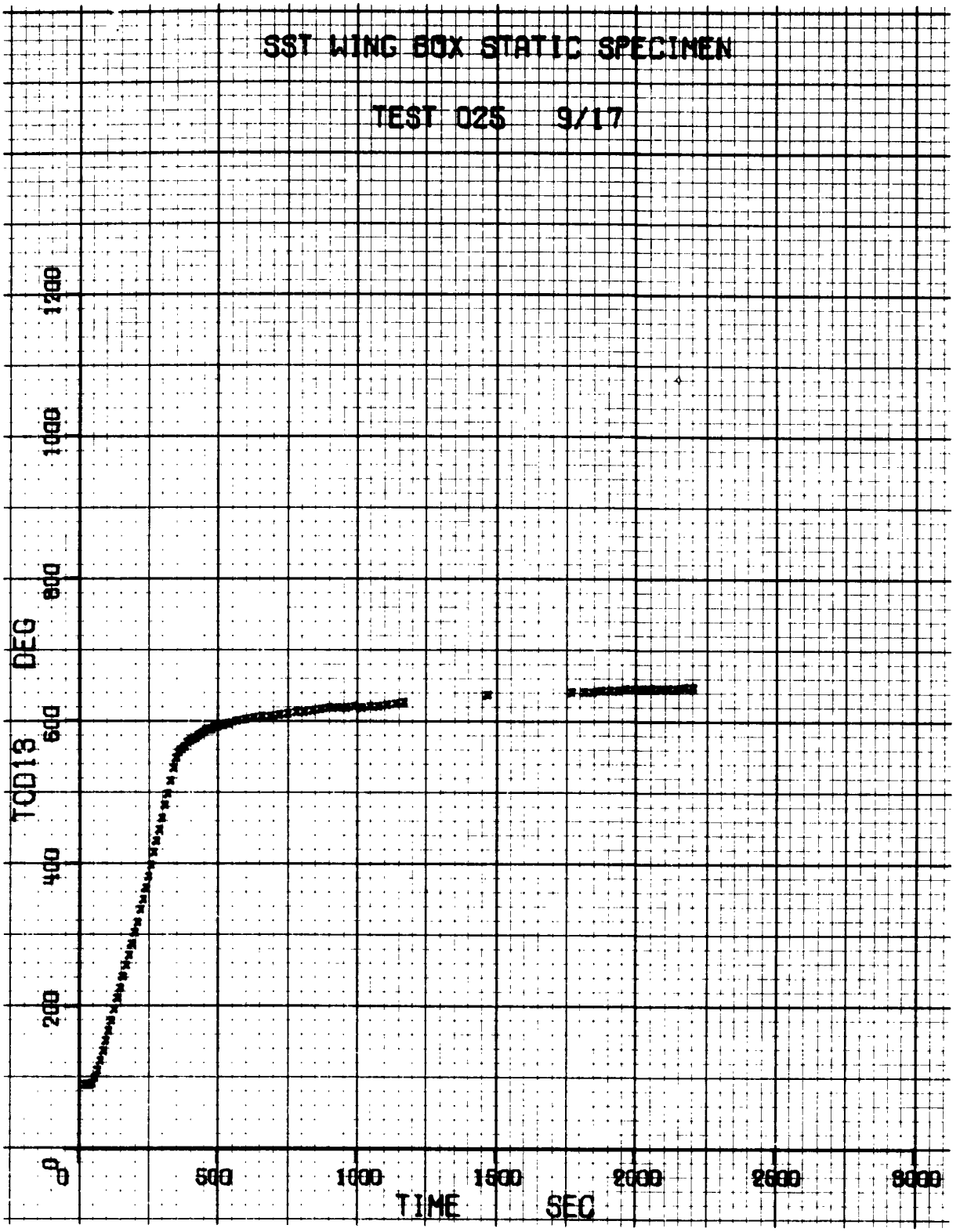
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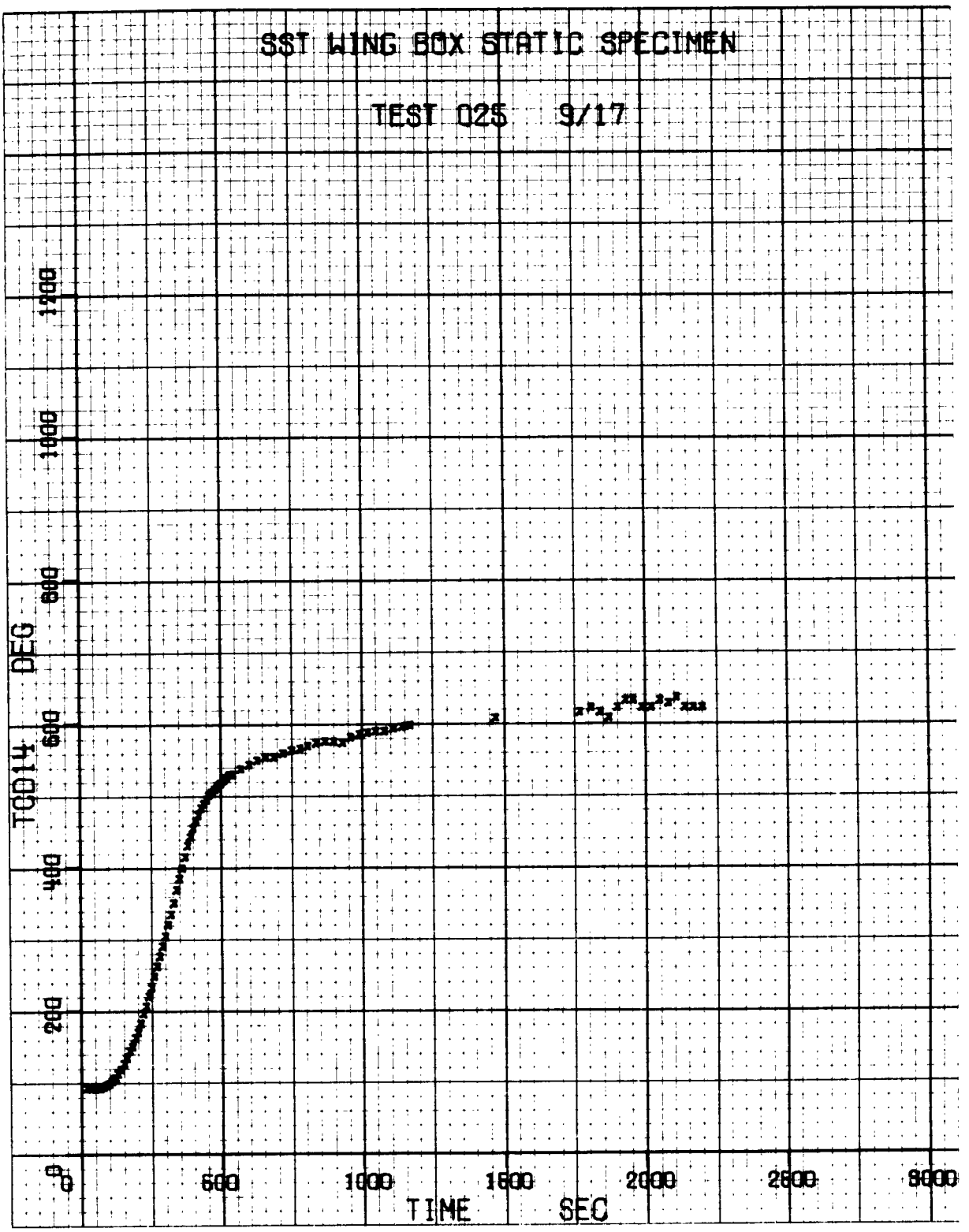
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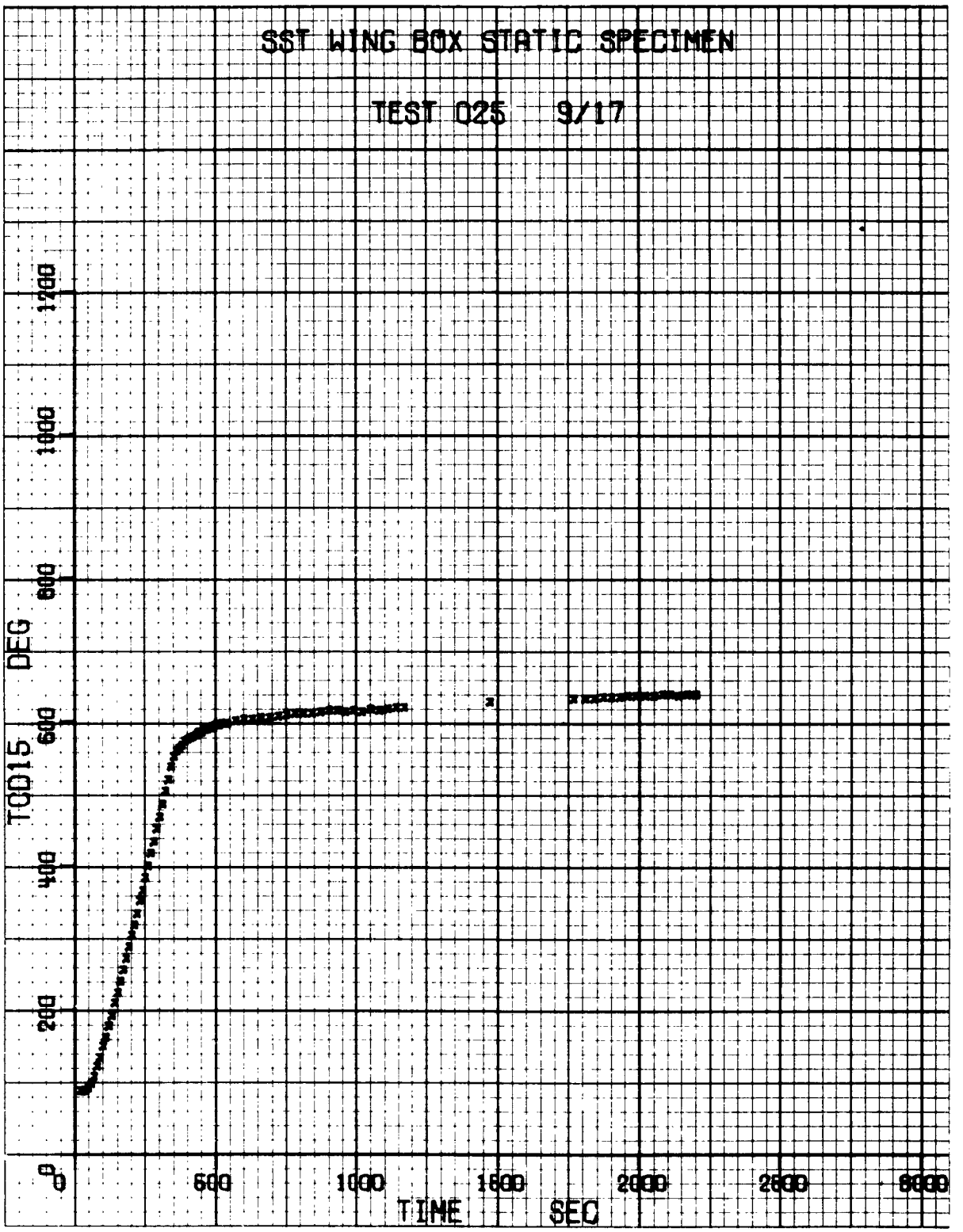
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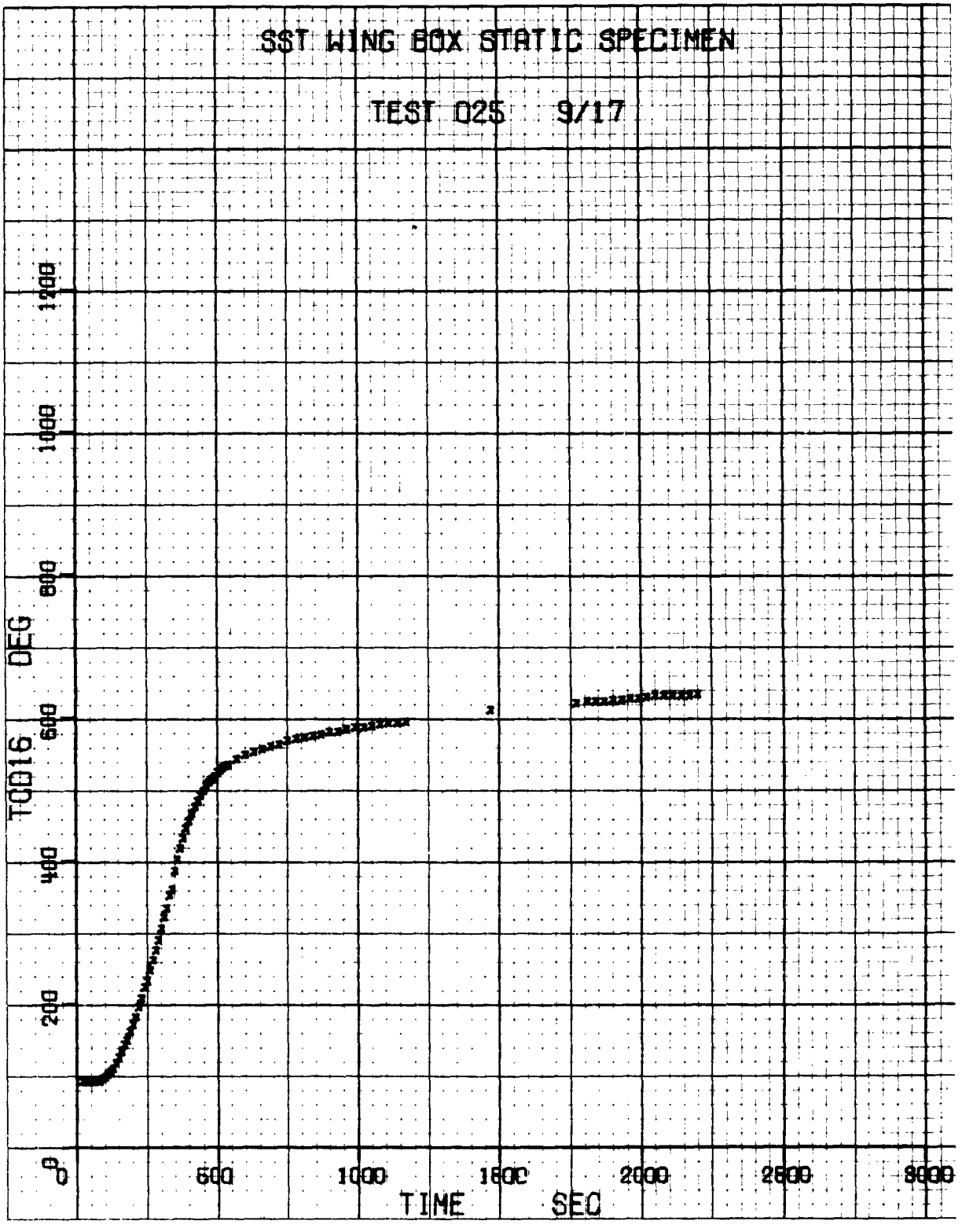
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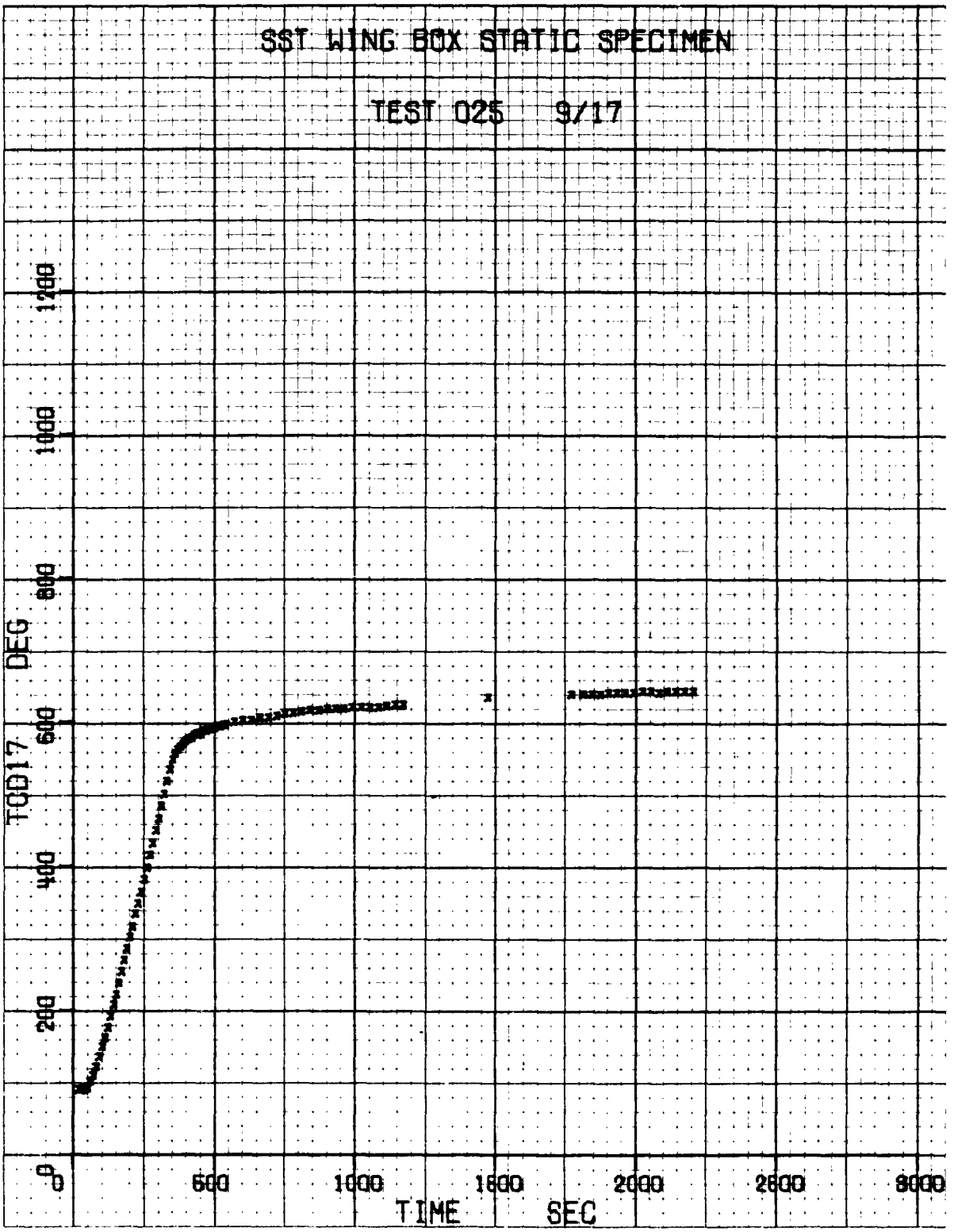
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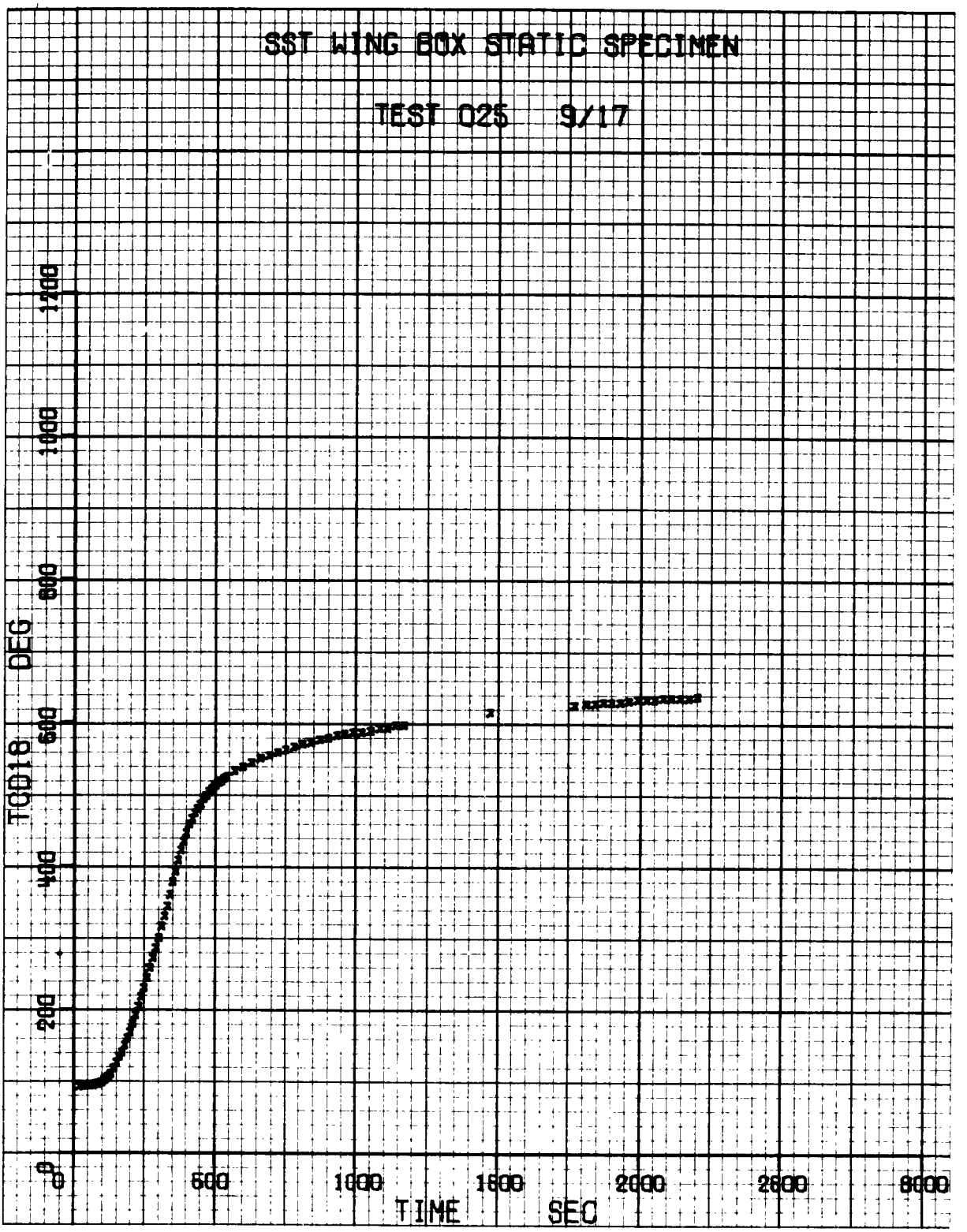
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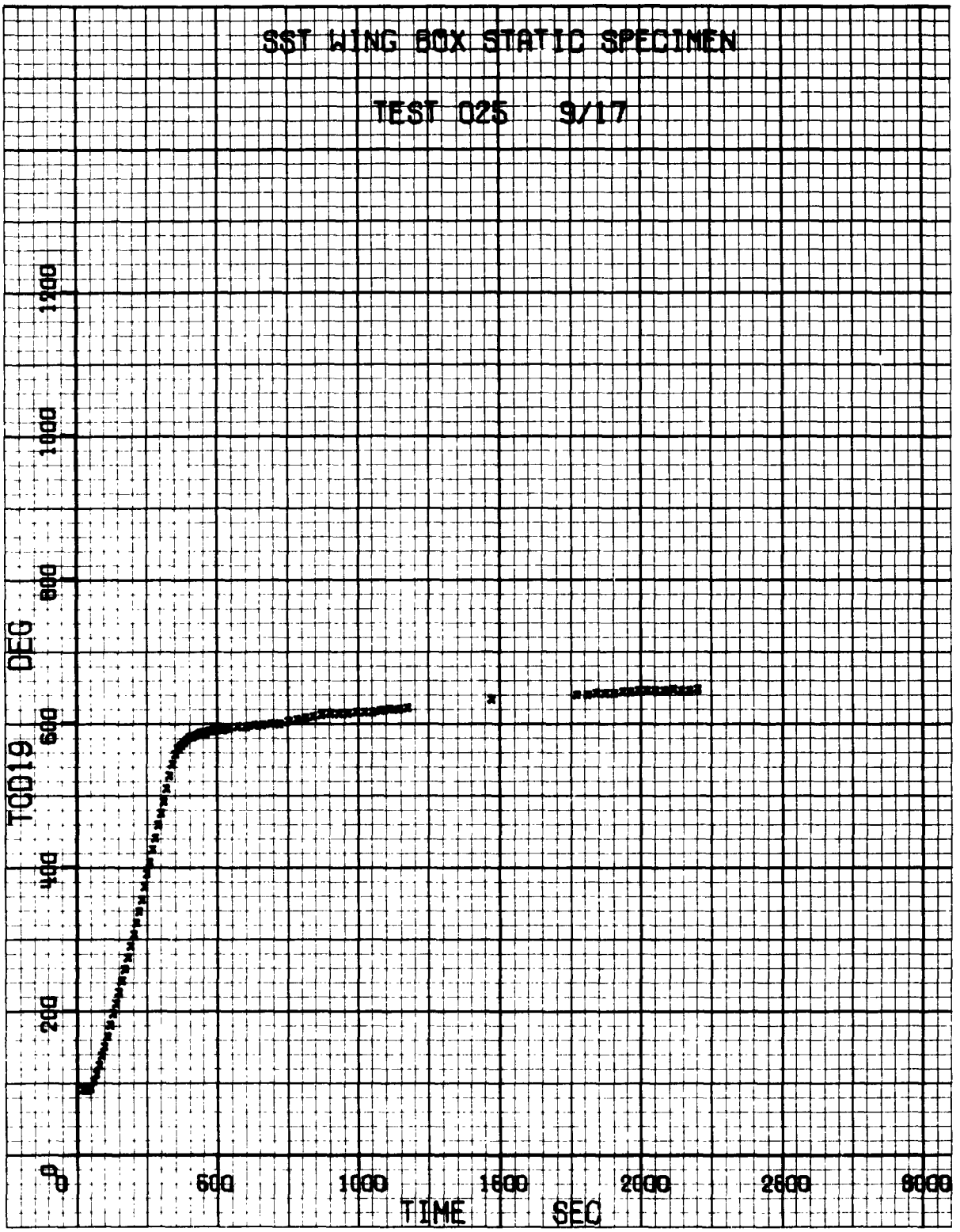
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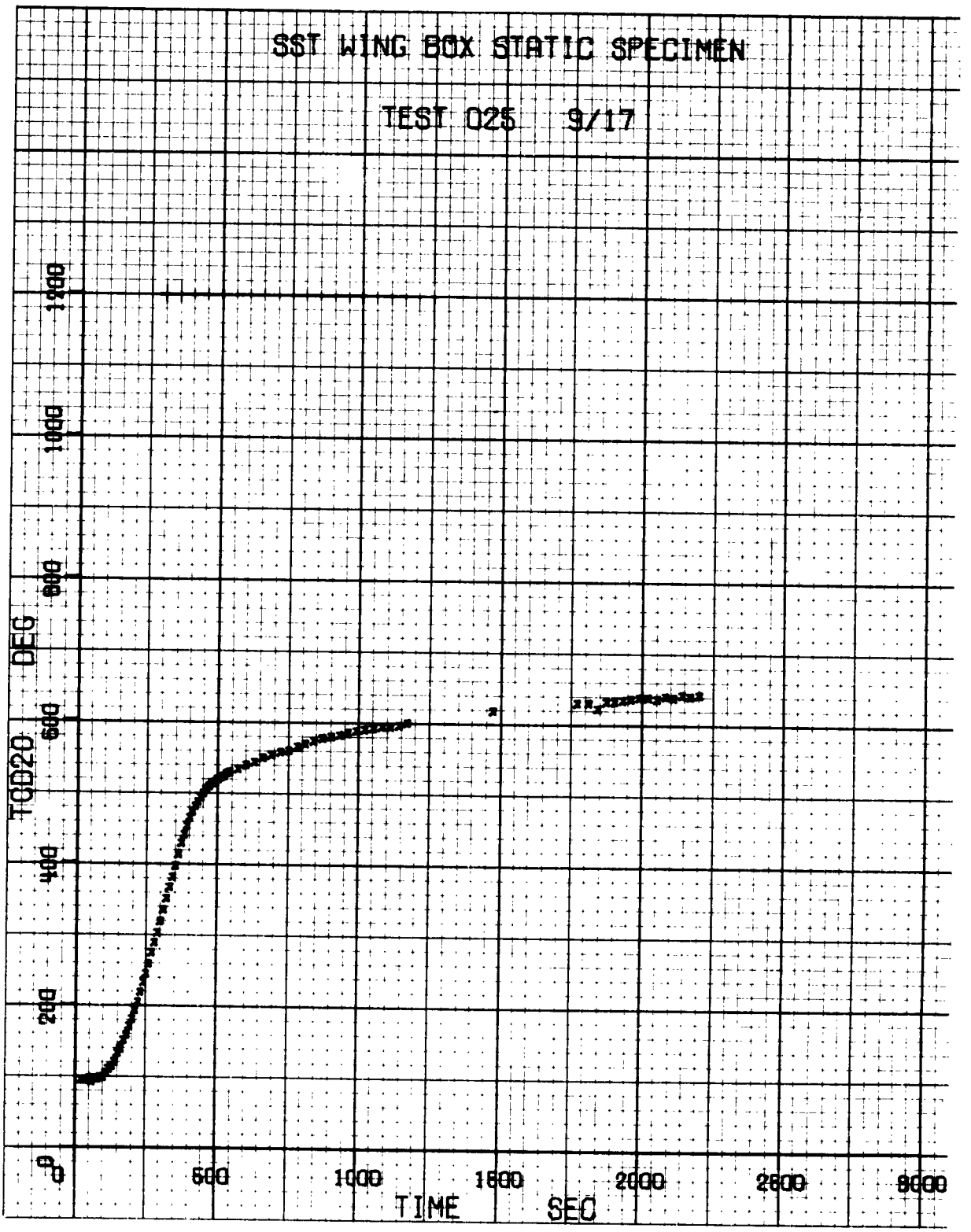
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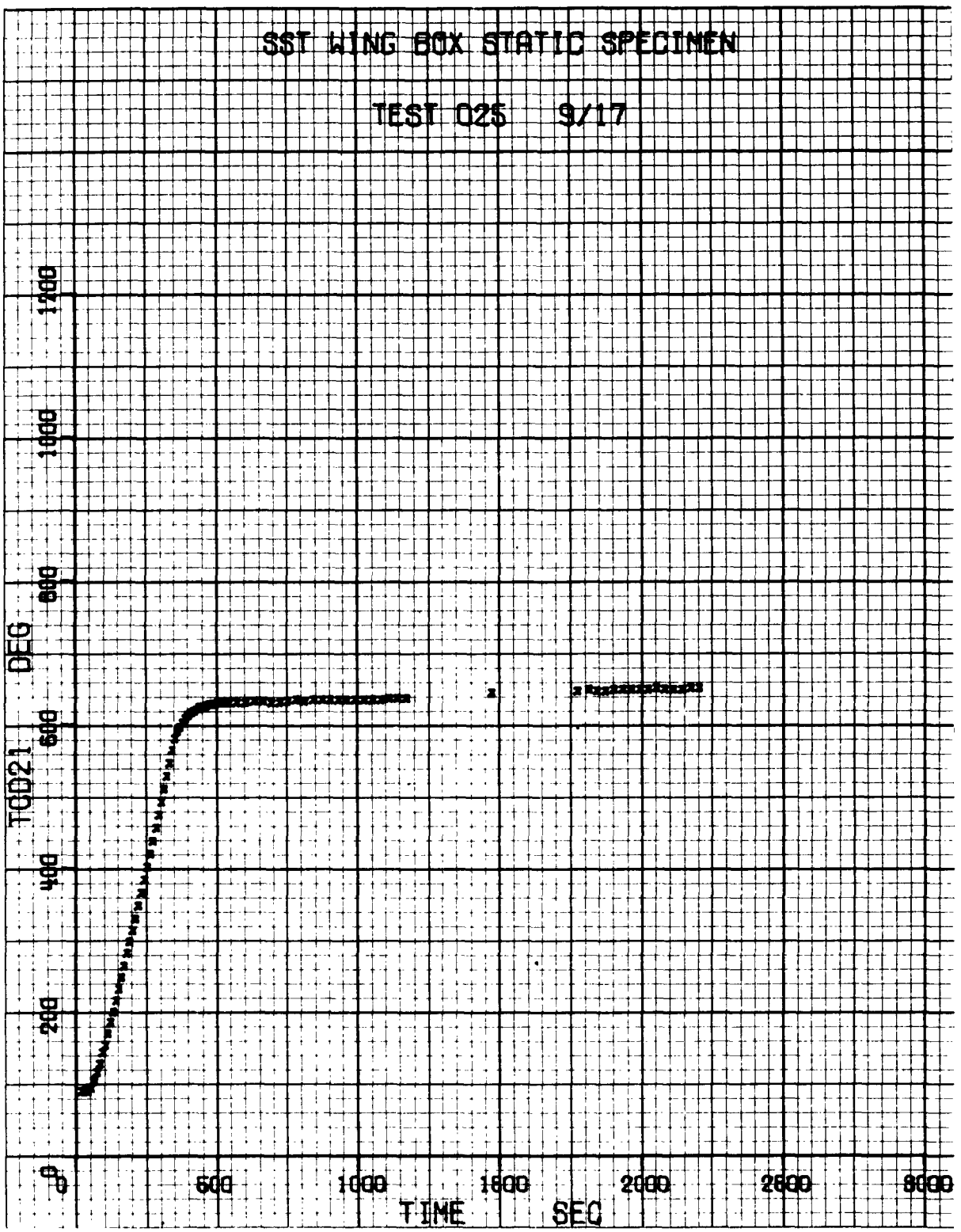
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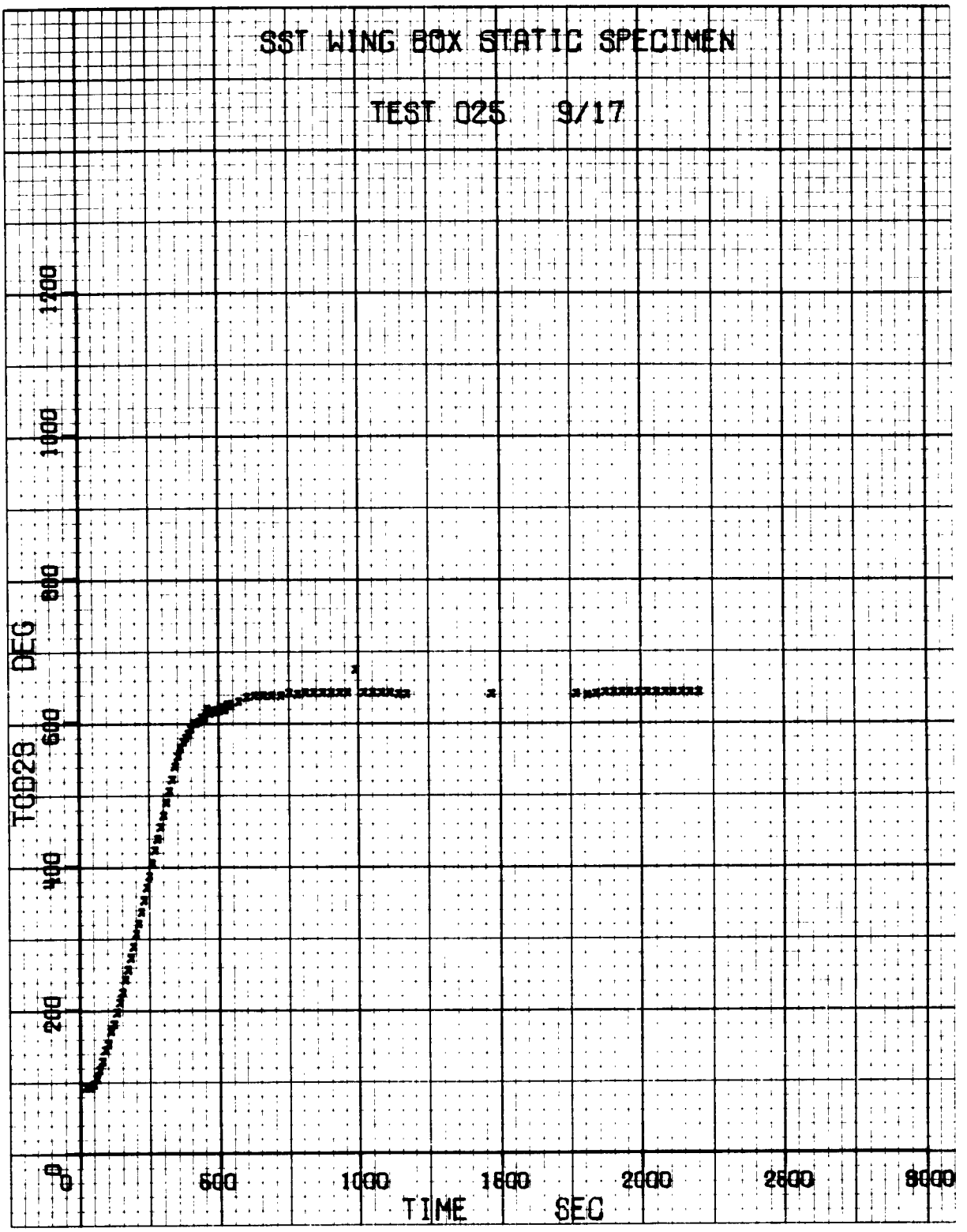
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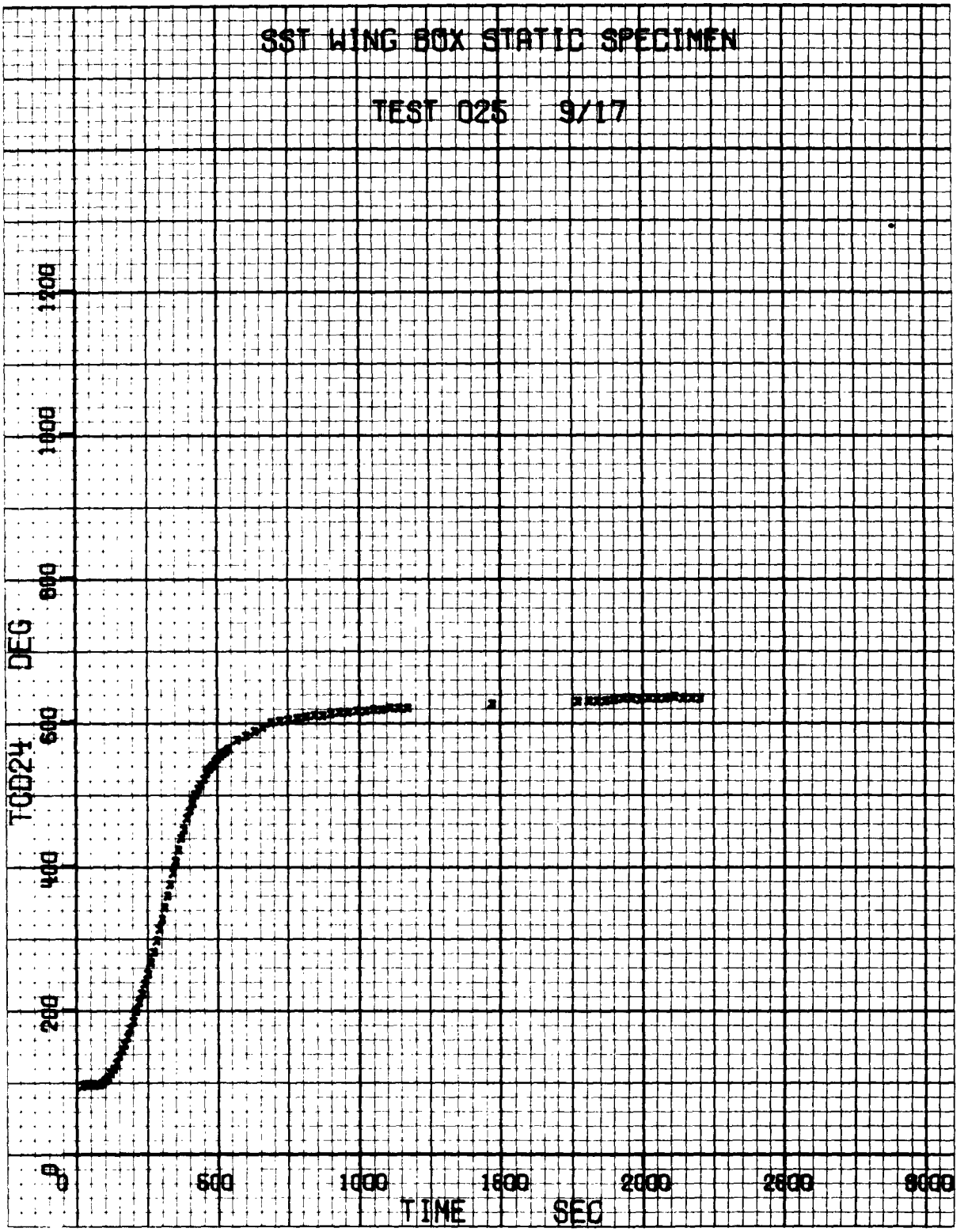
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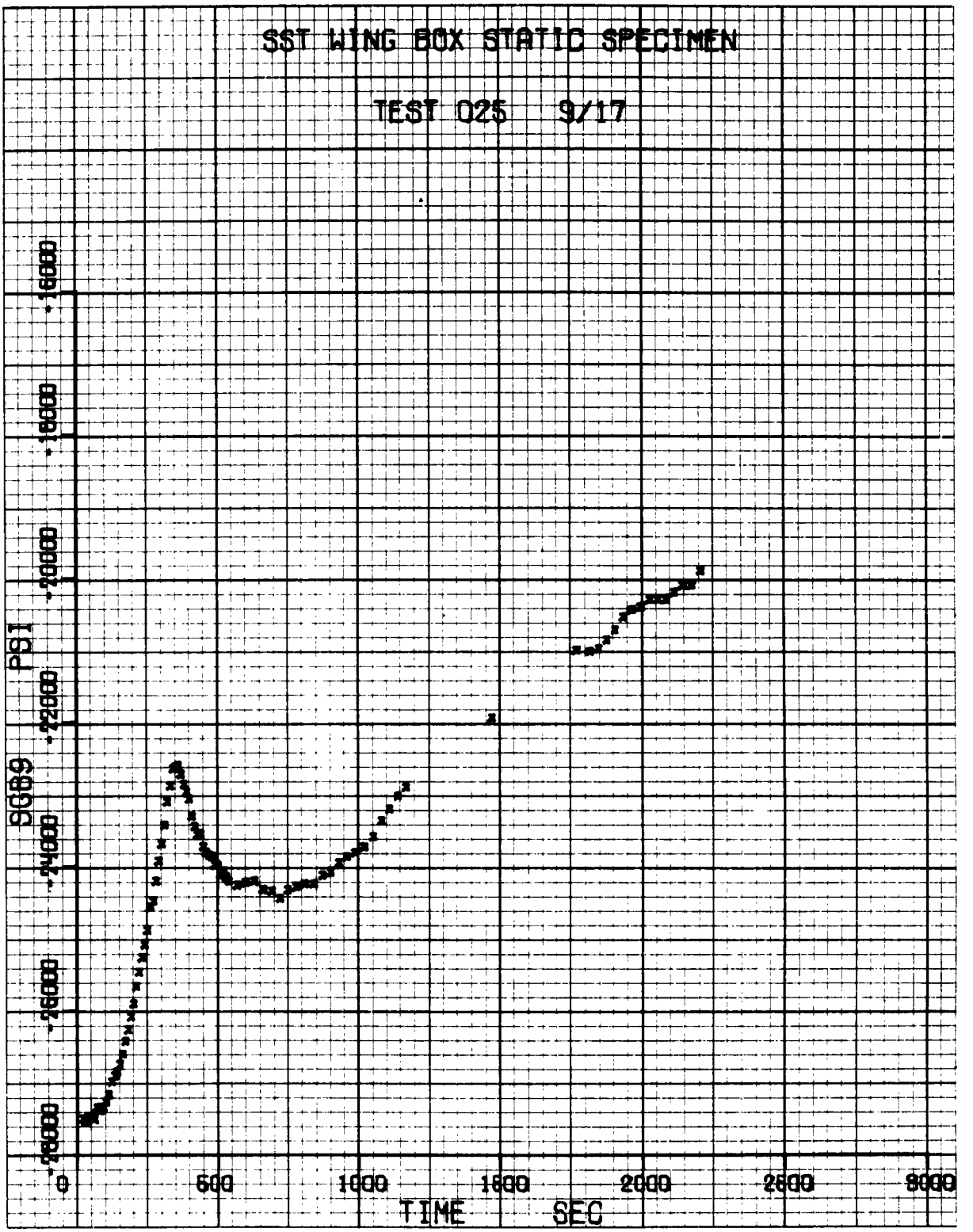
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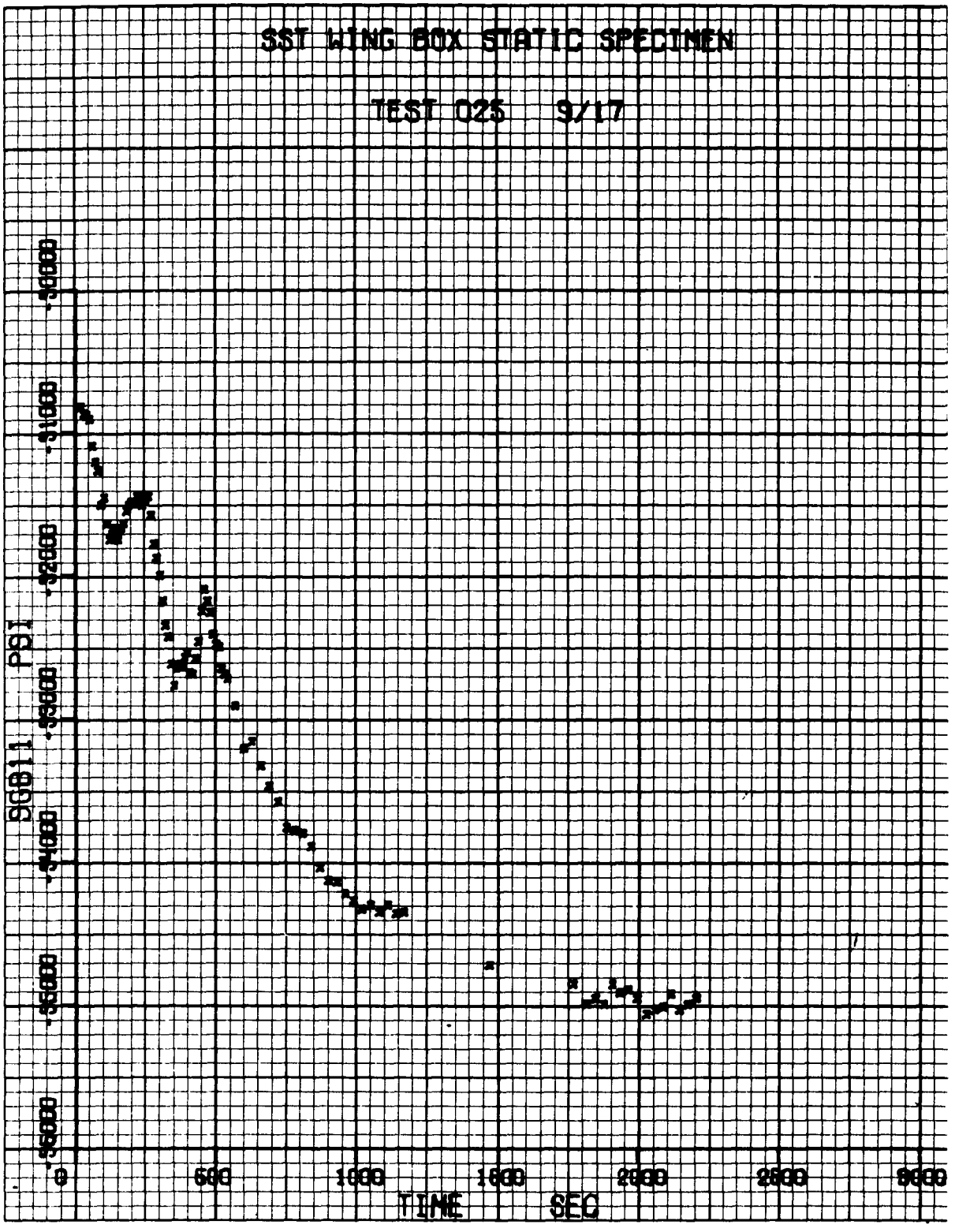
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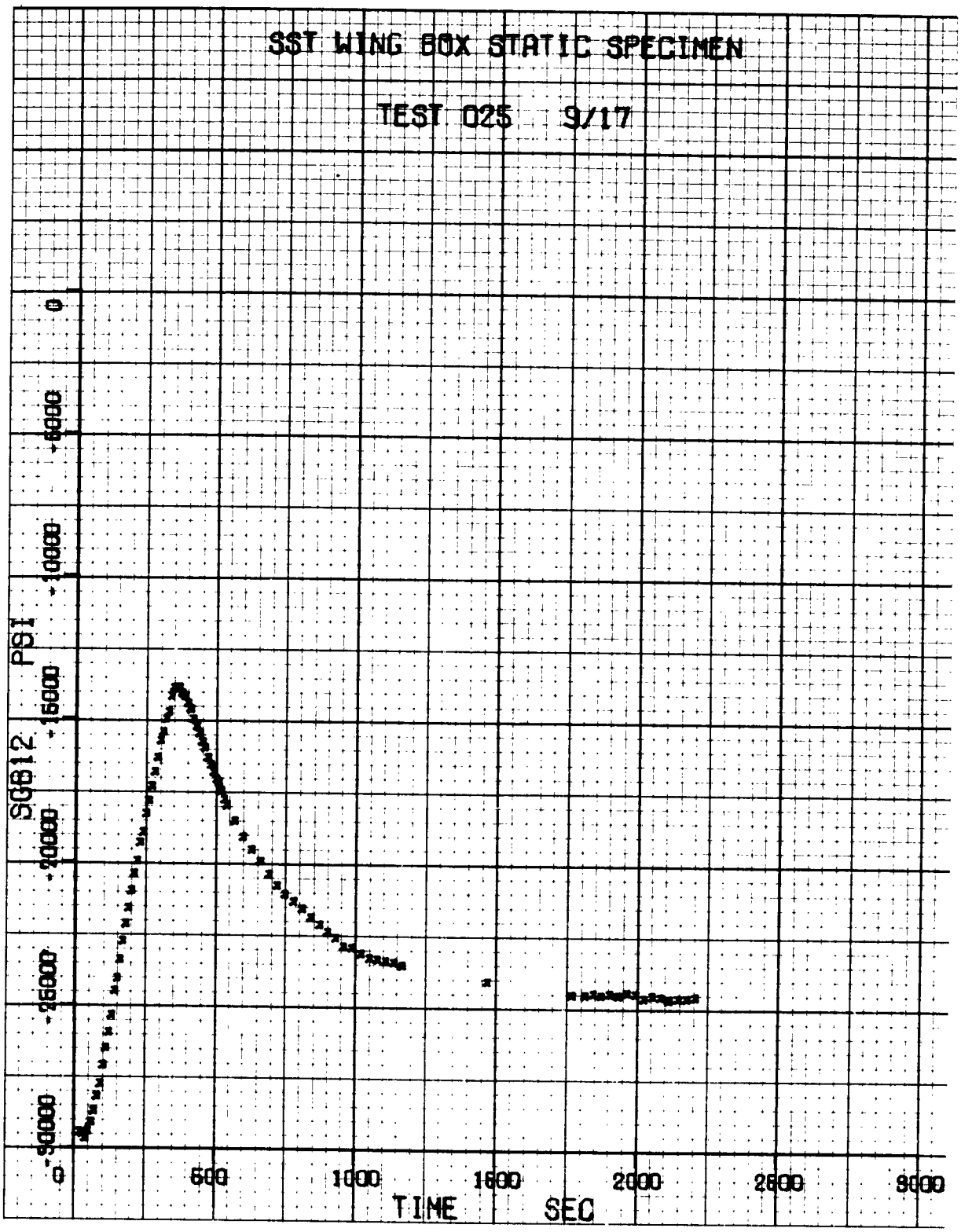
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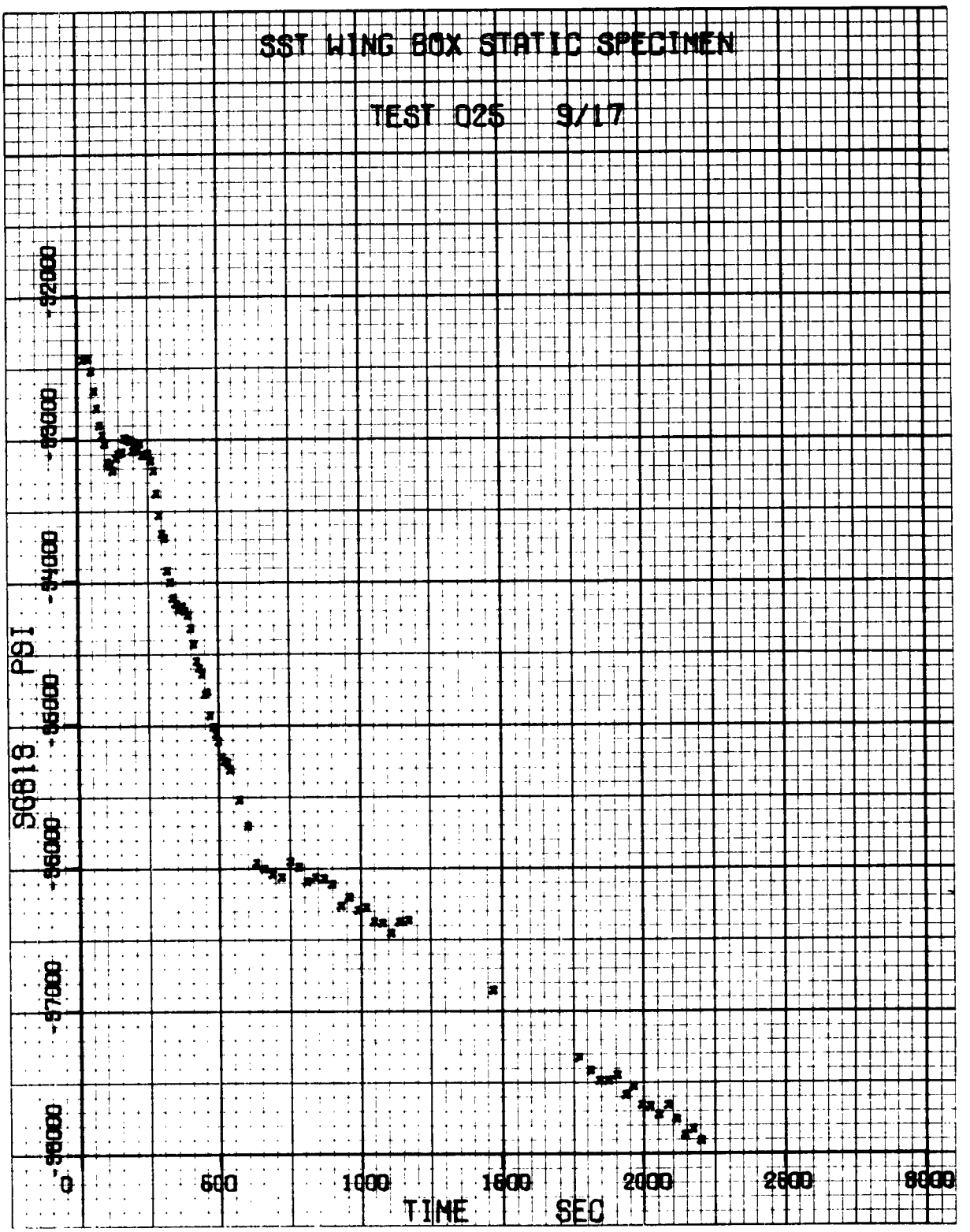
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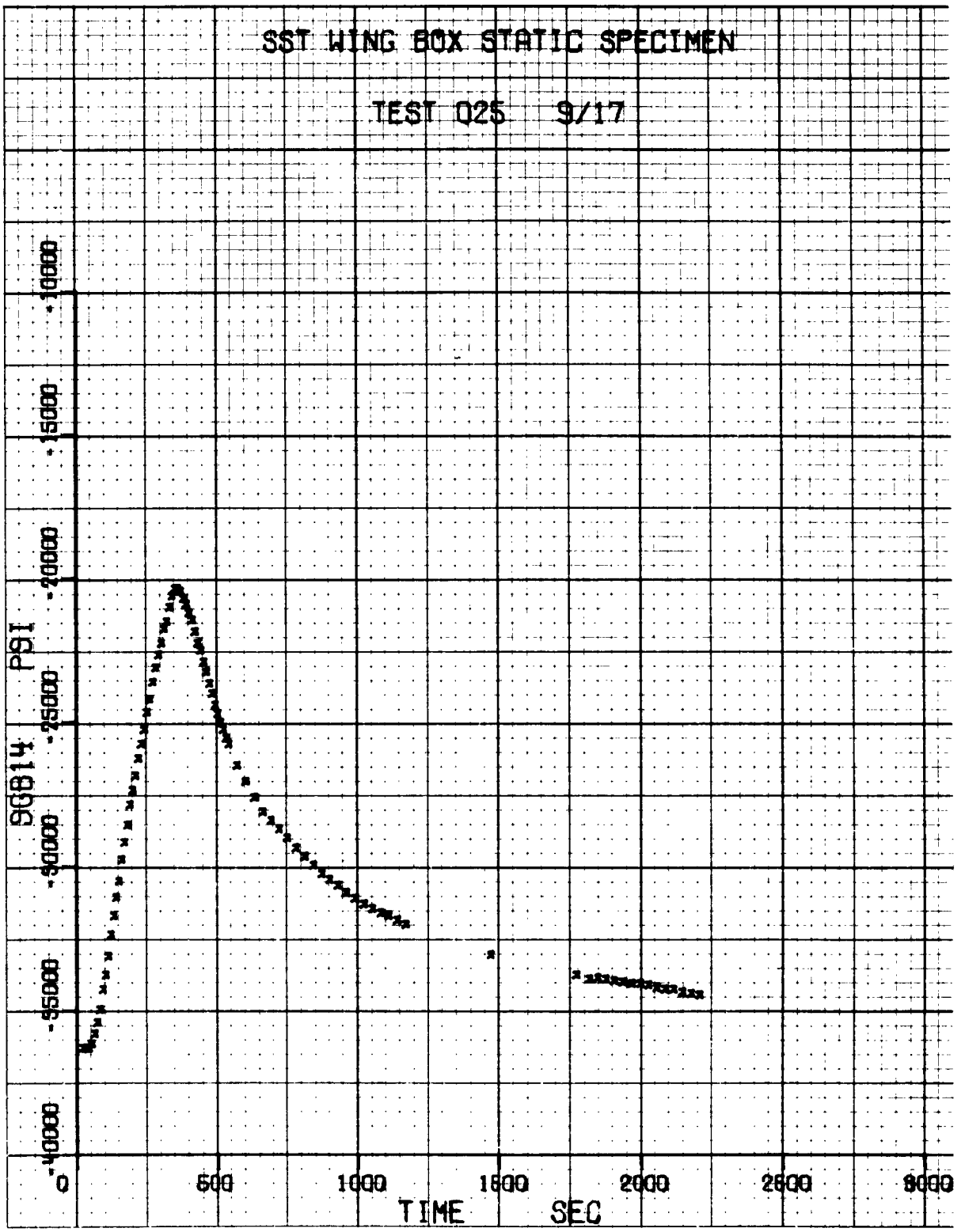
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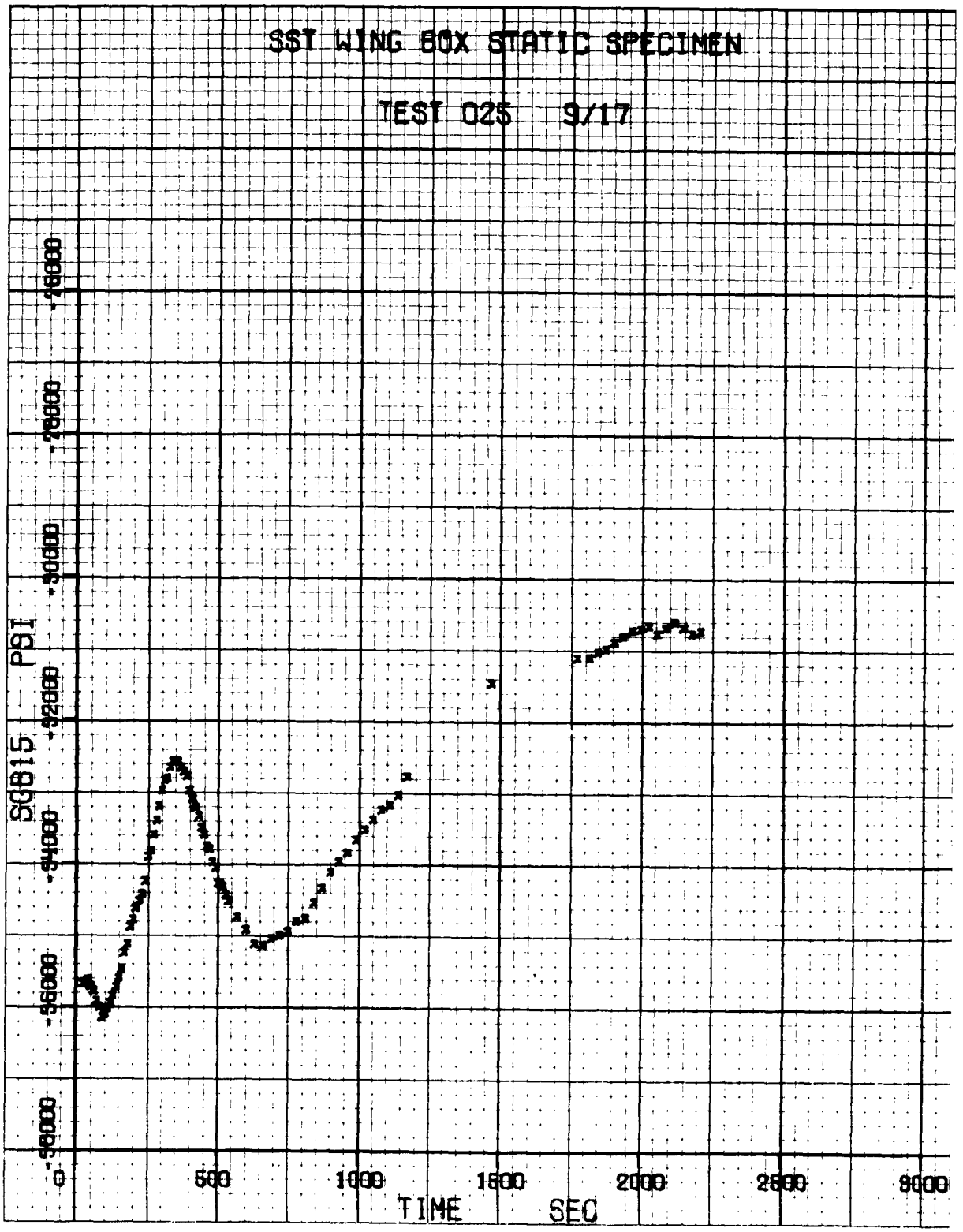
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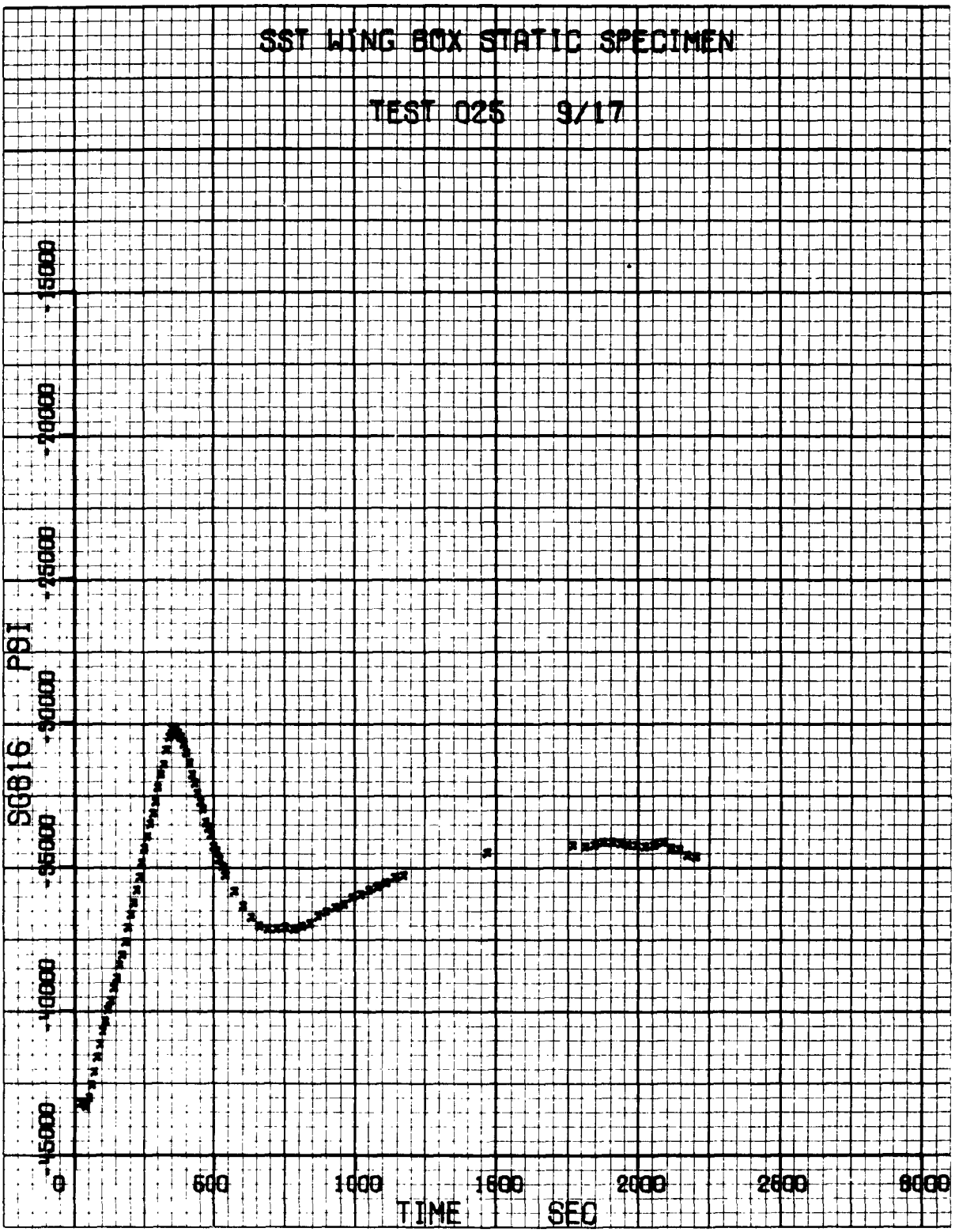
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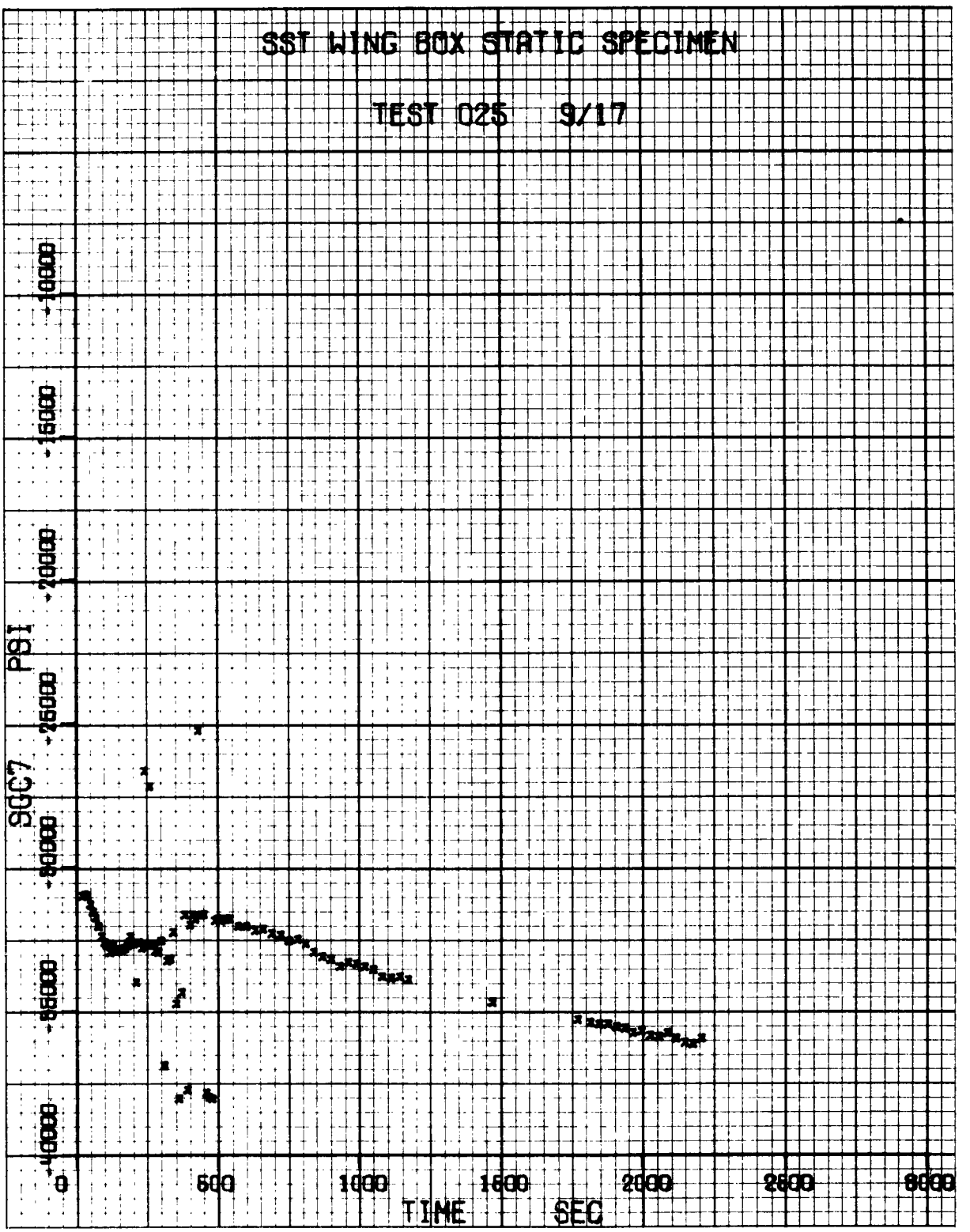
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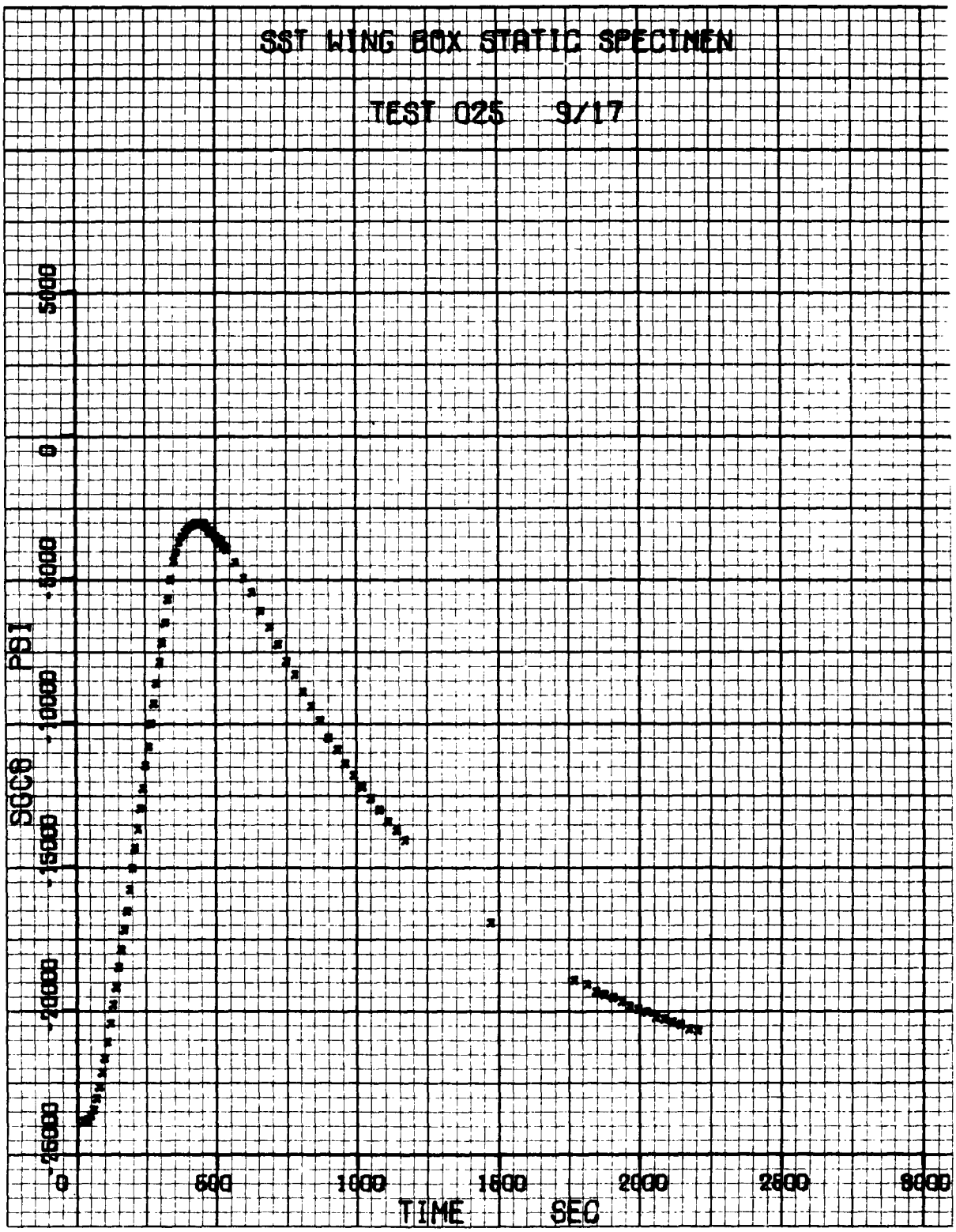
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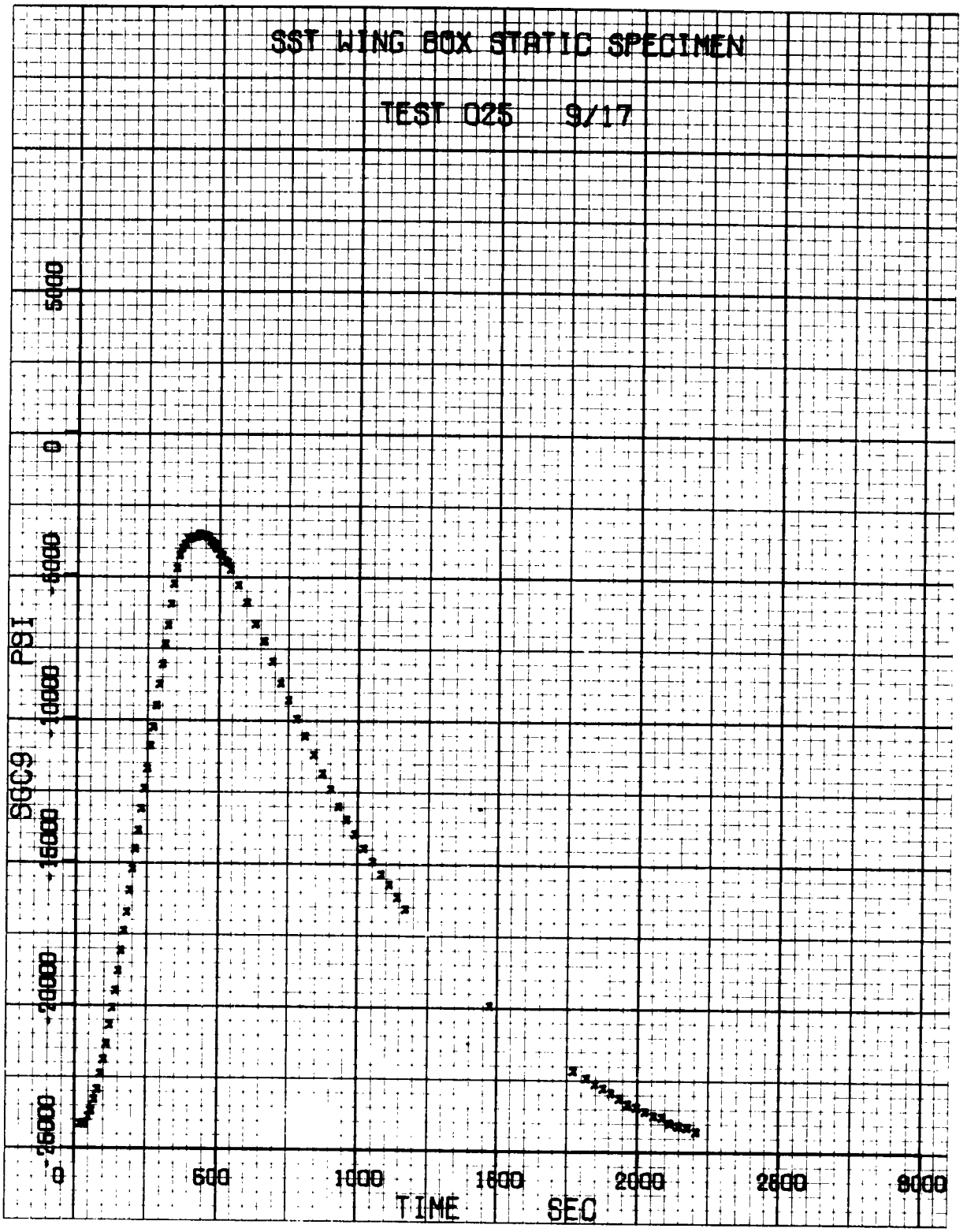
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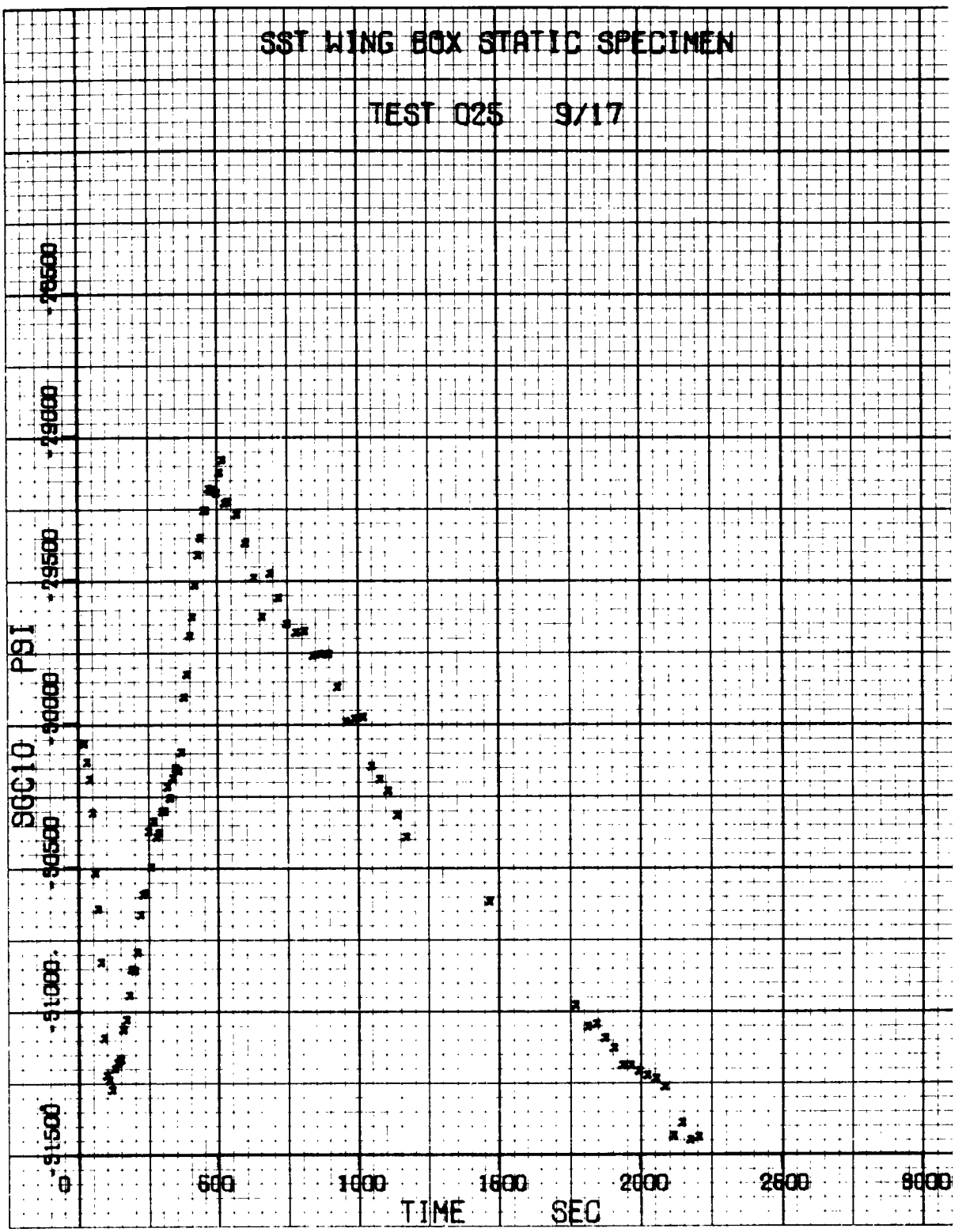
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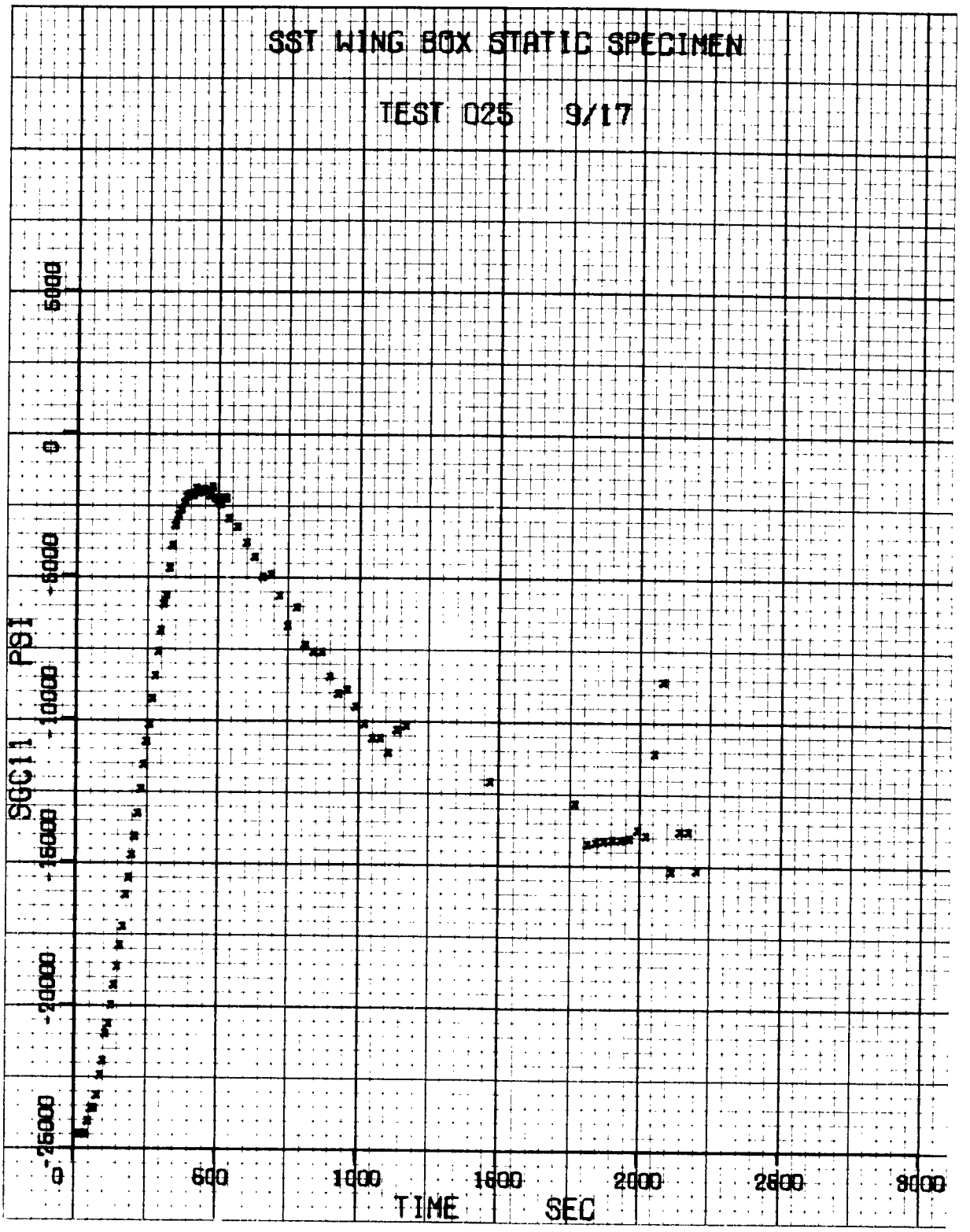
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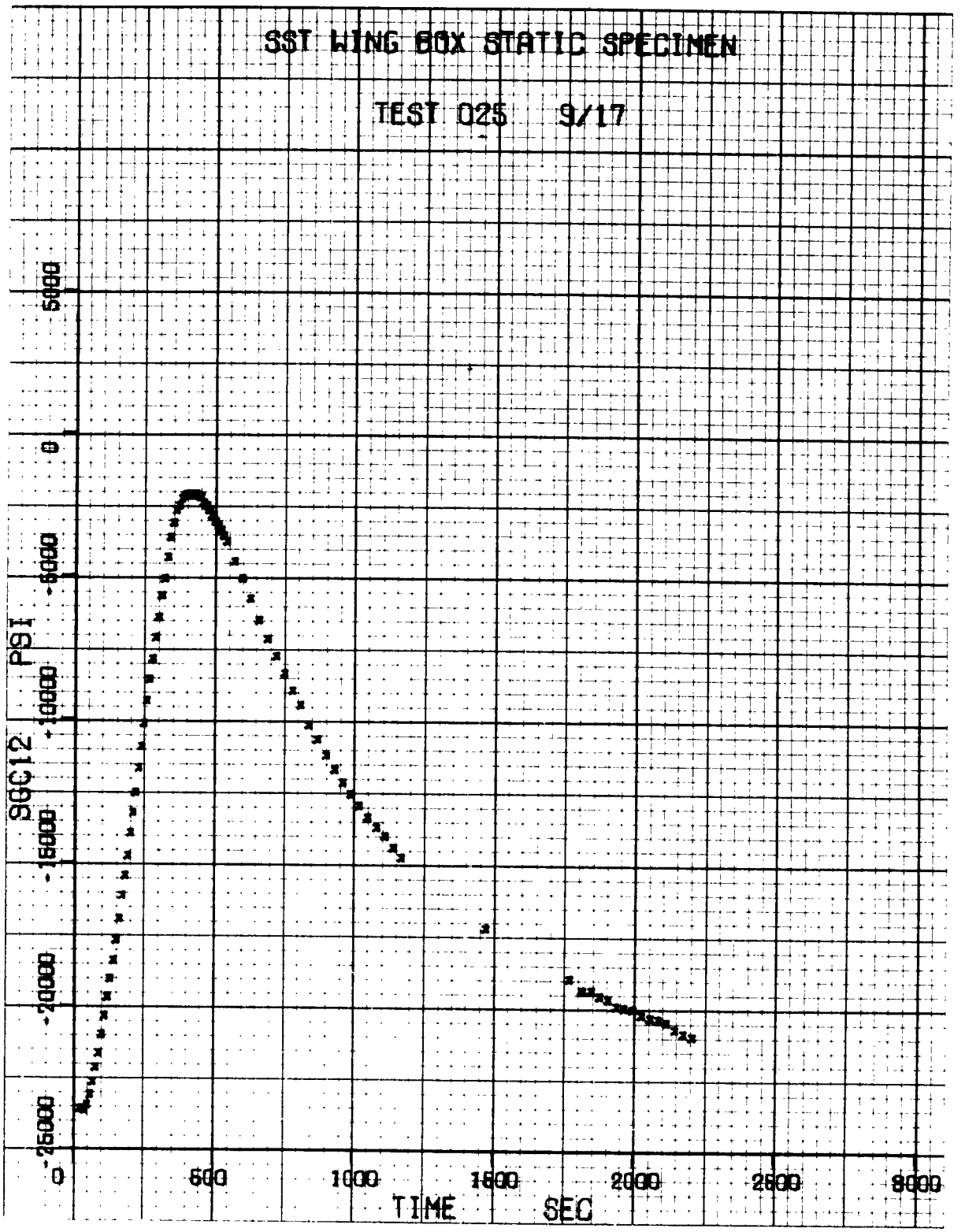
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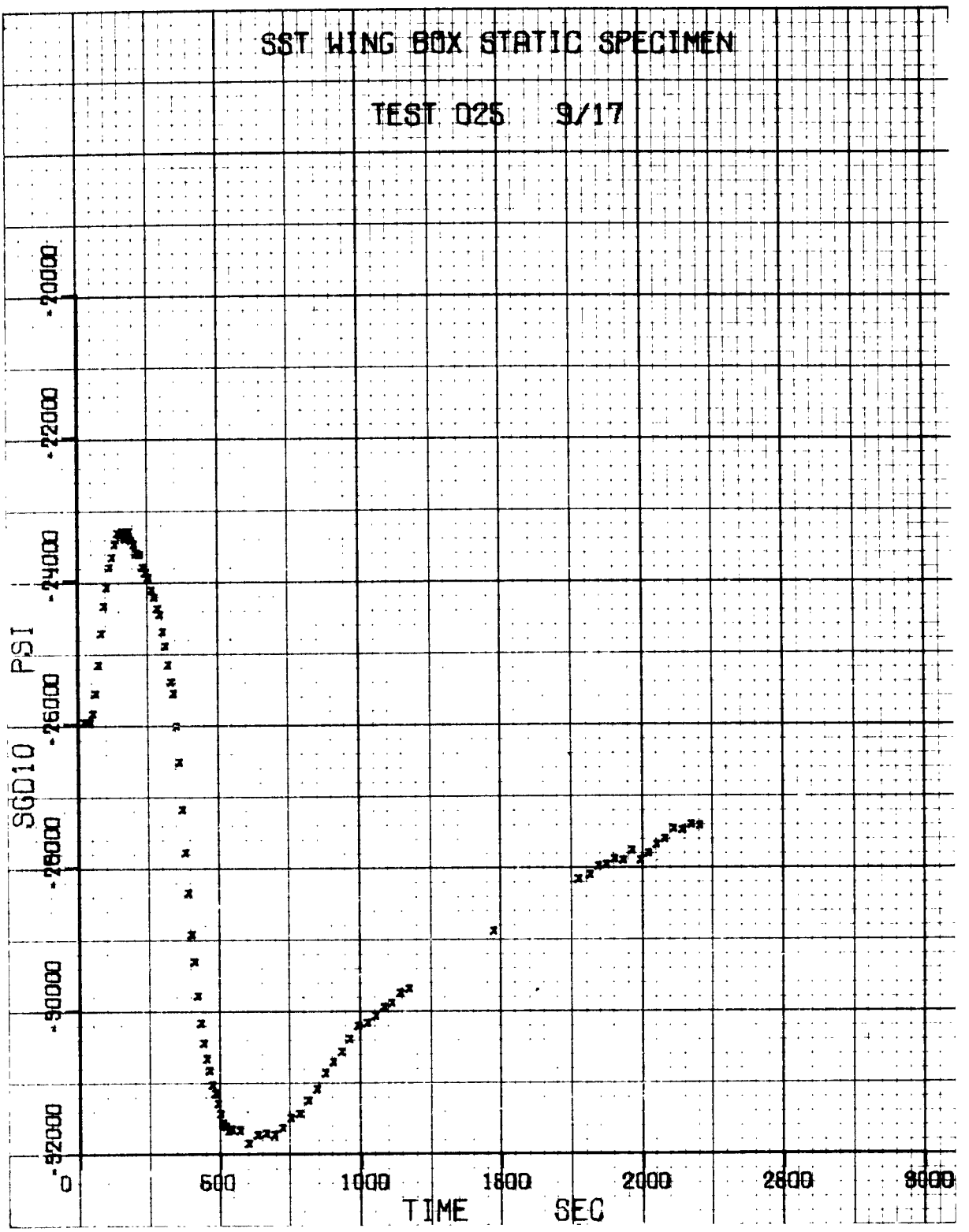
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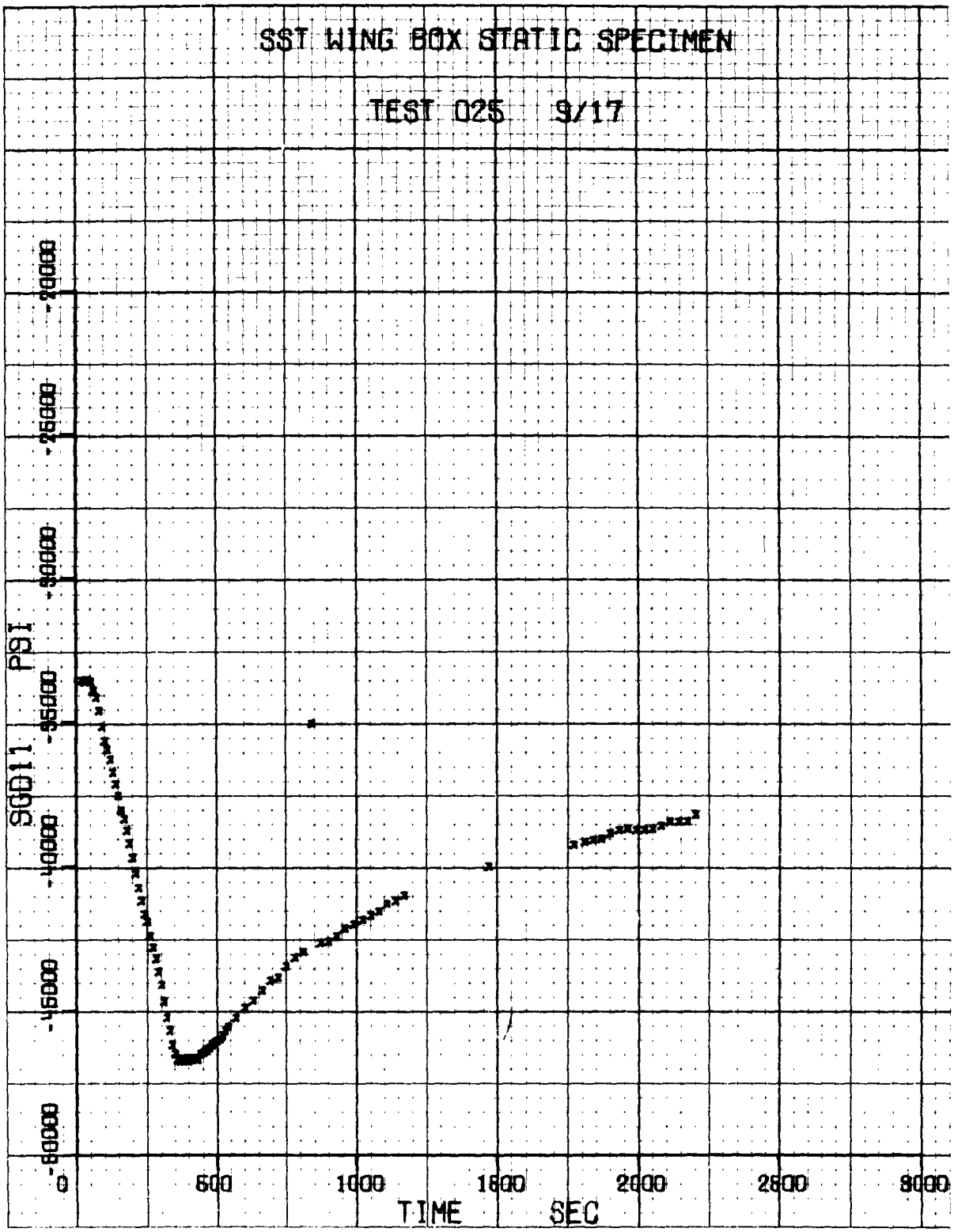
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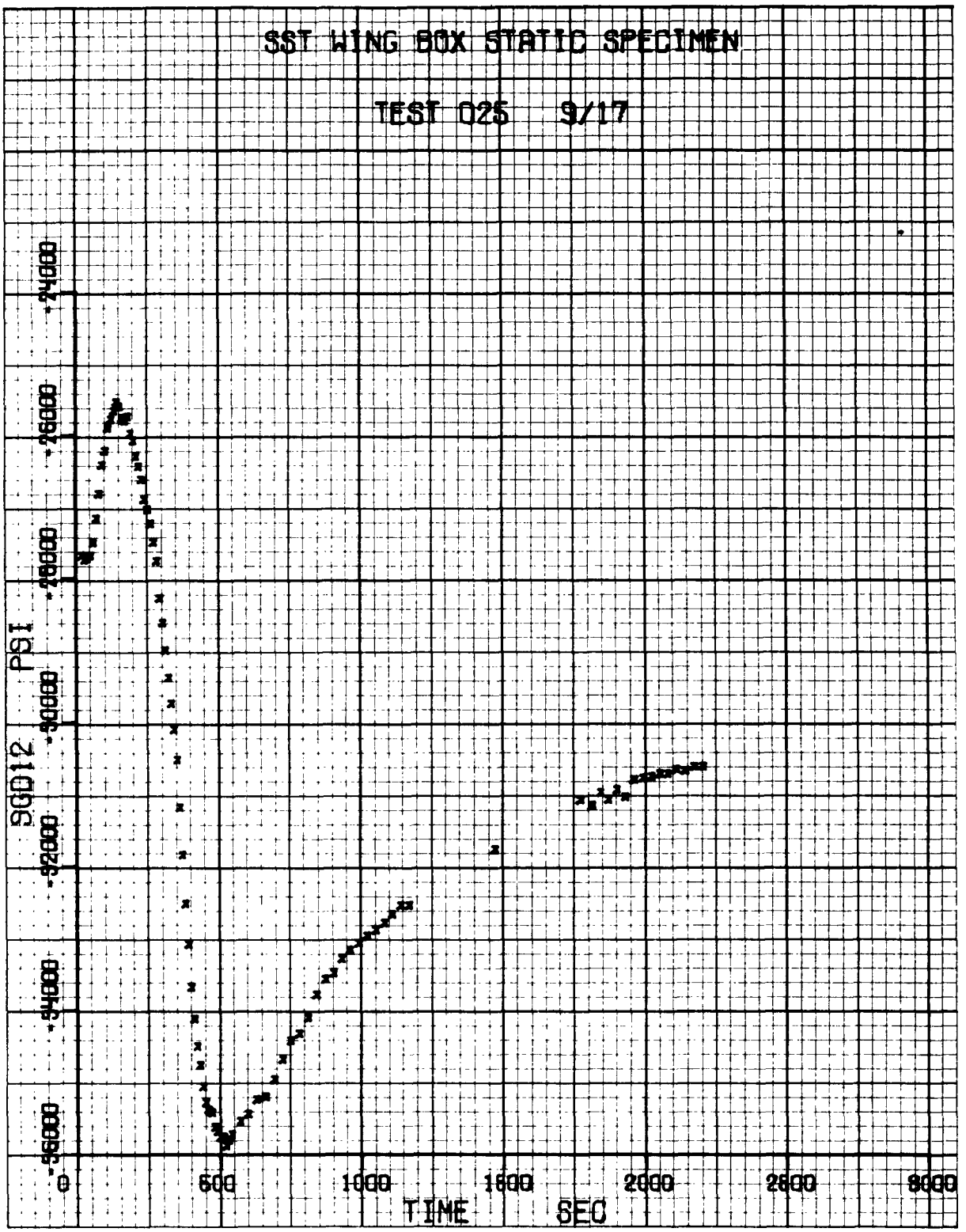
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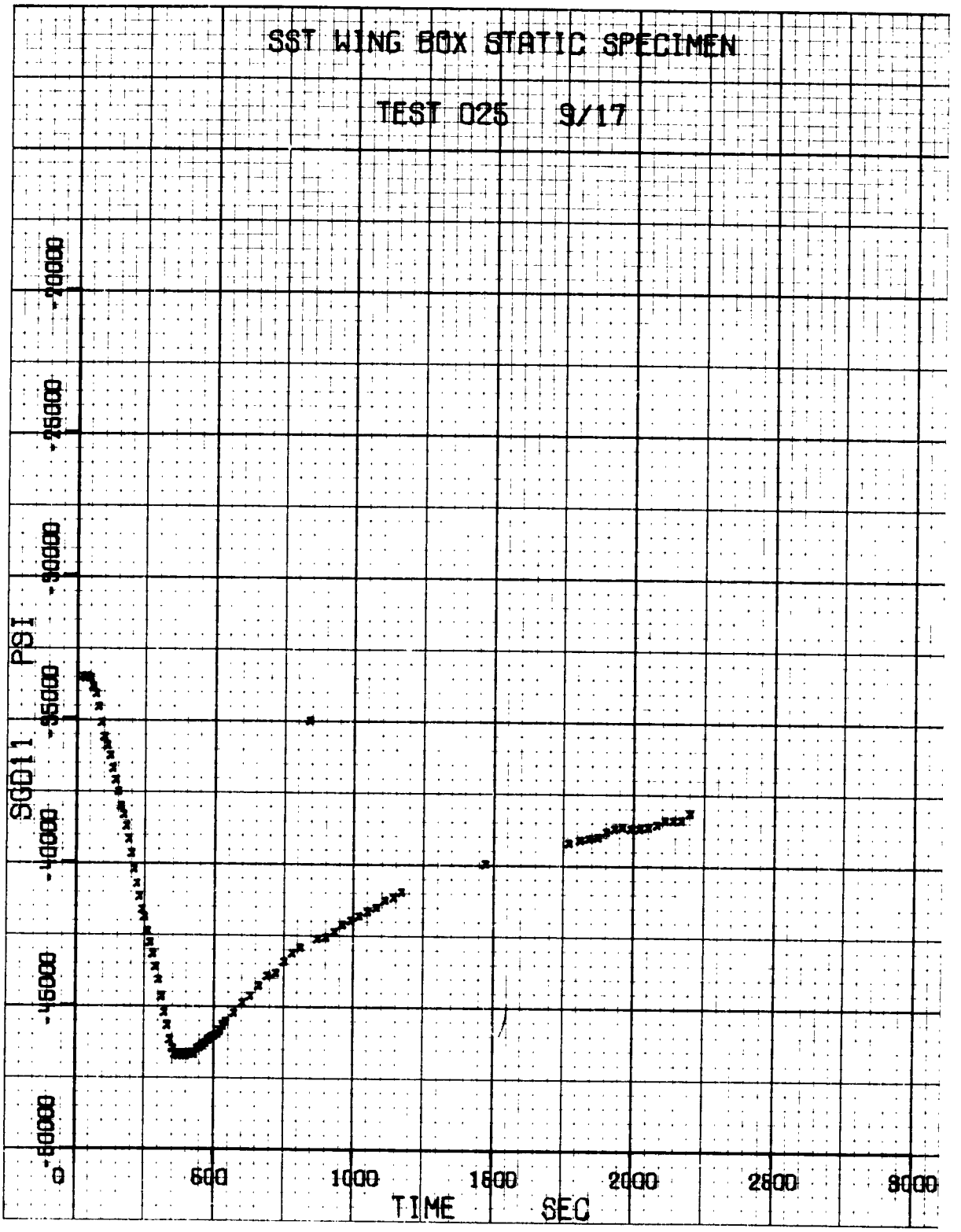
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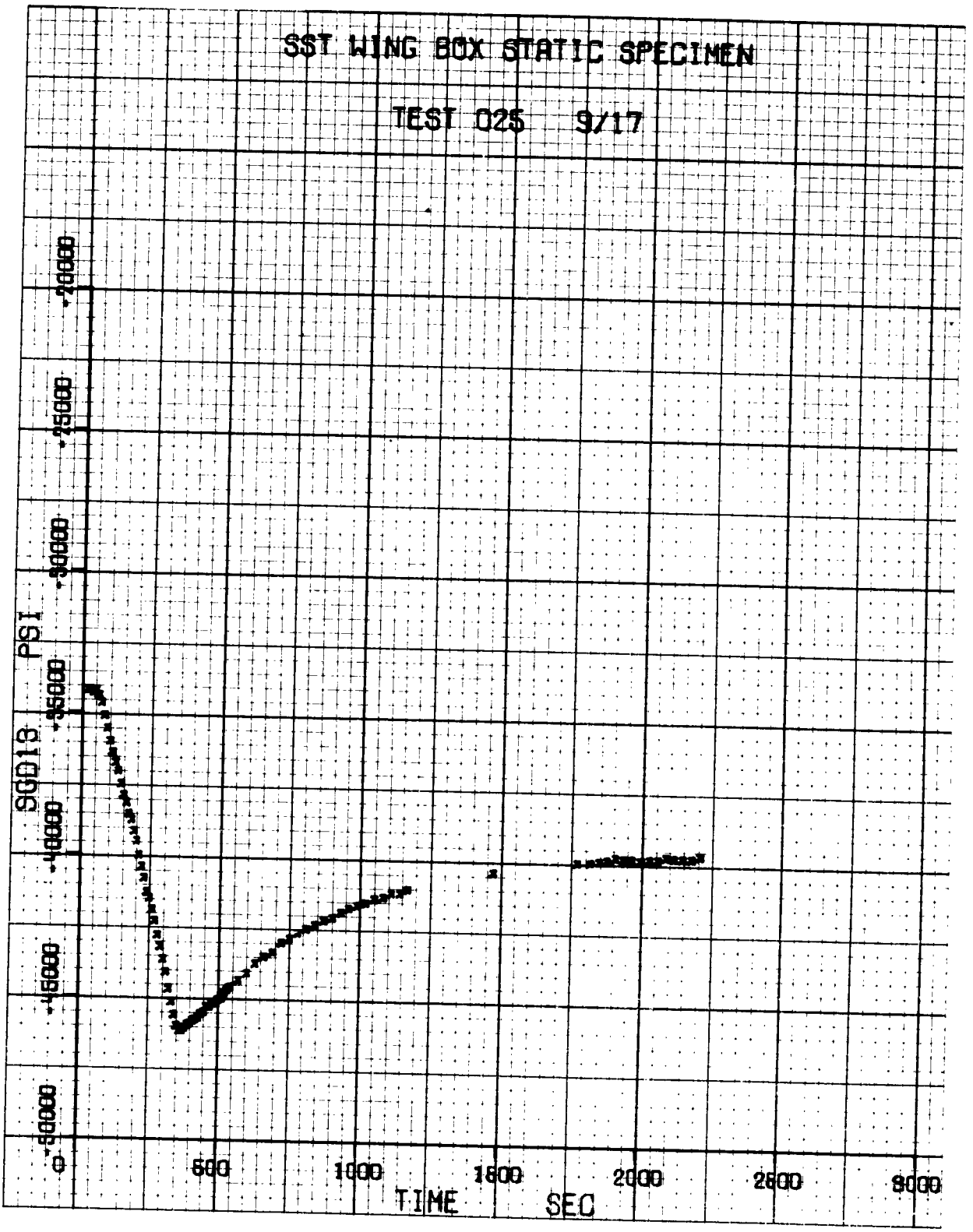
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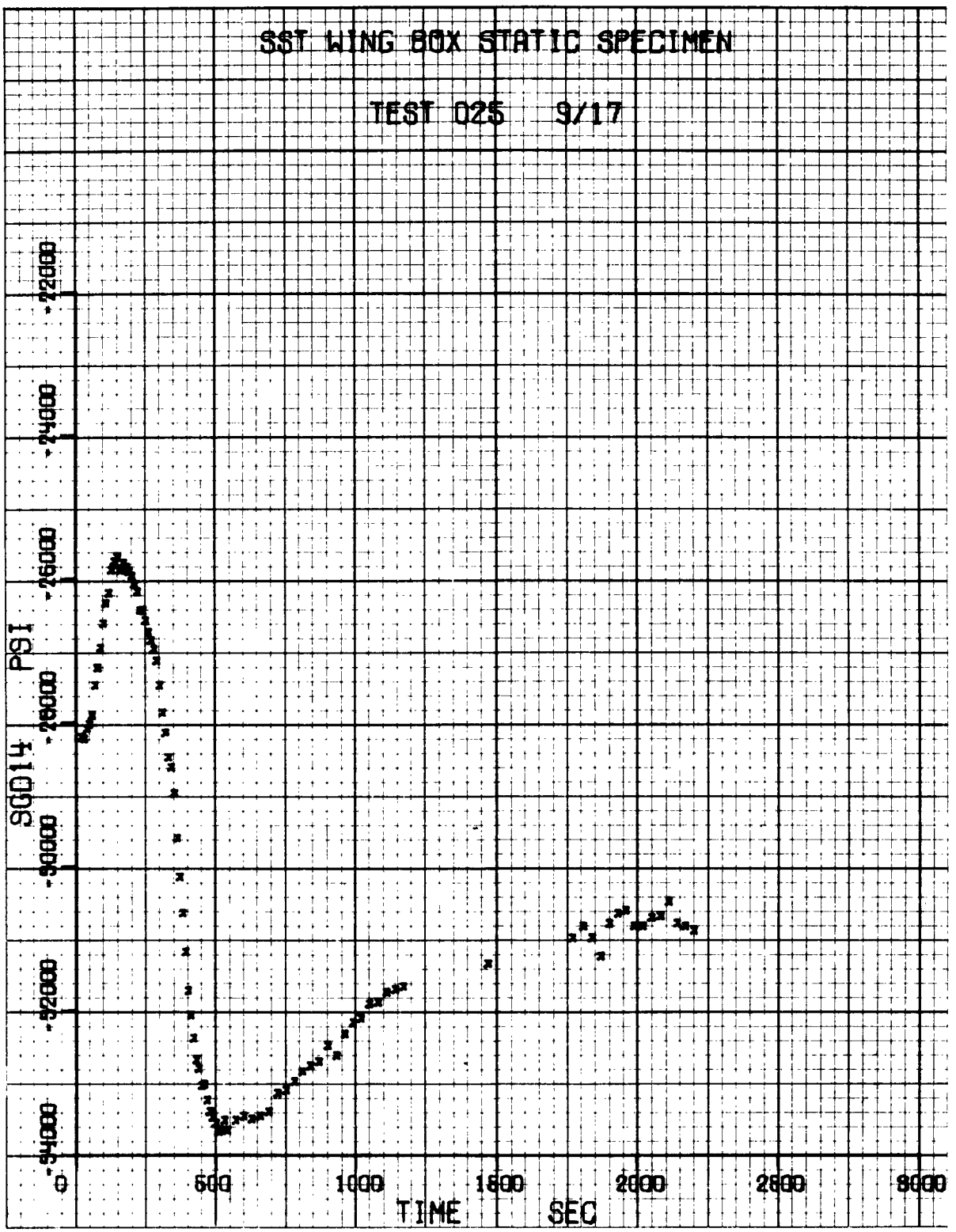
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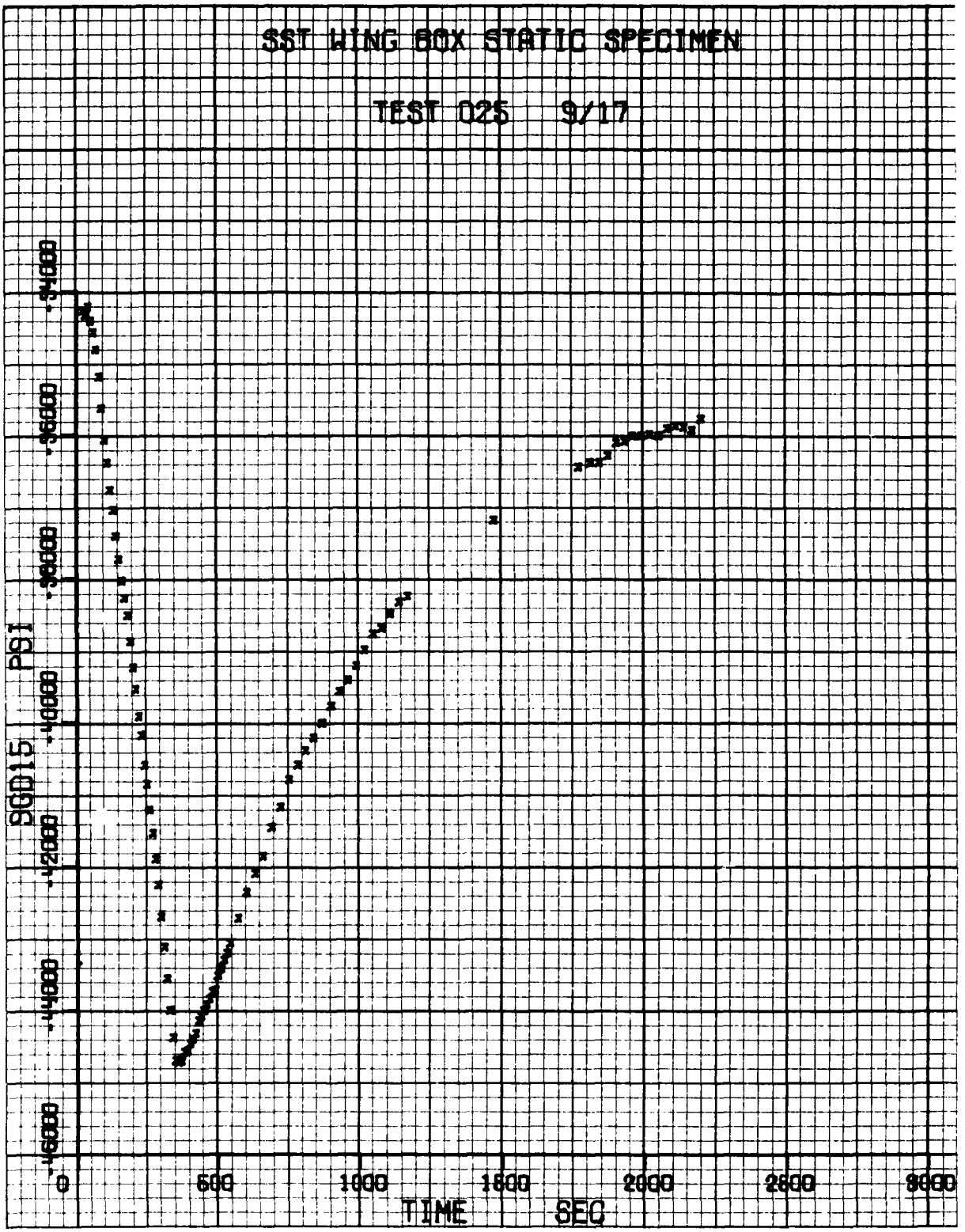
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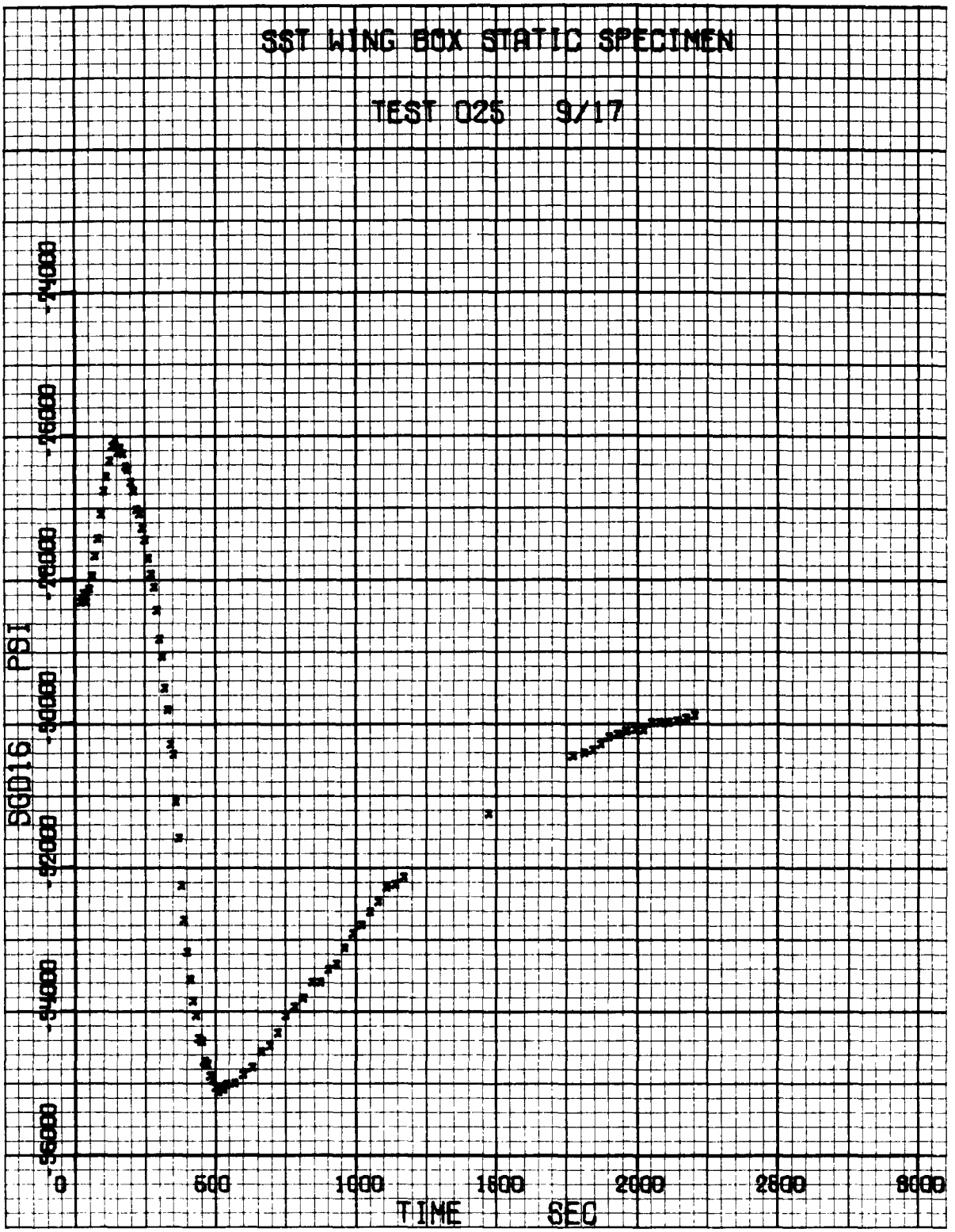
SST WING BOX STATIC SPECIMEN
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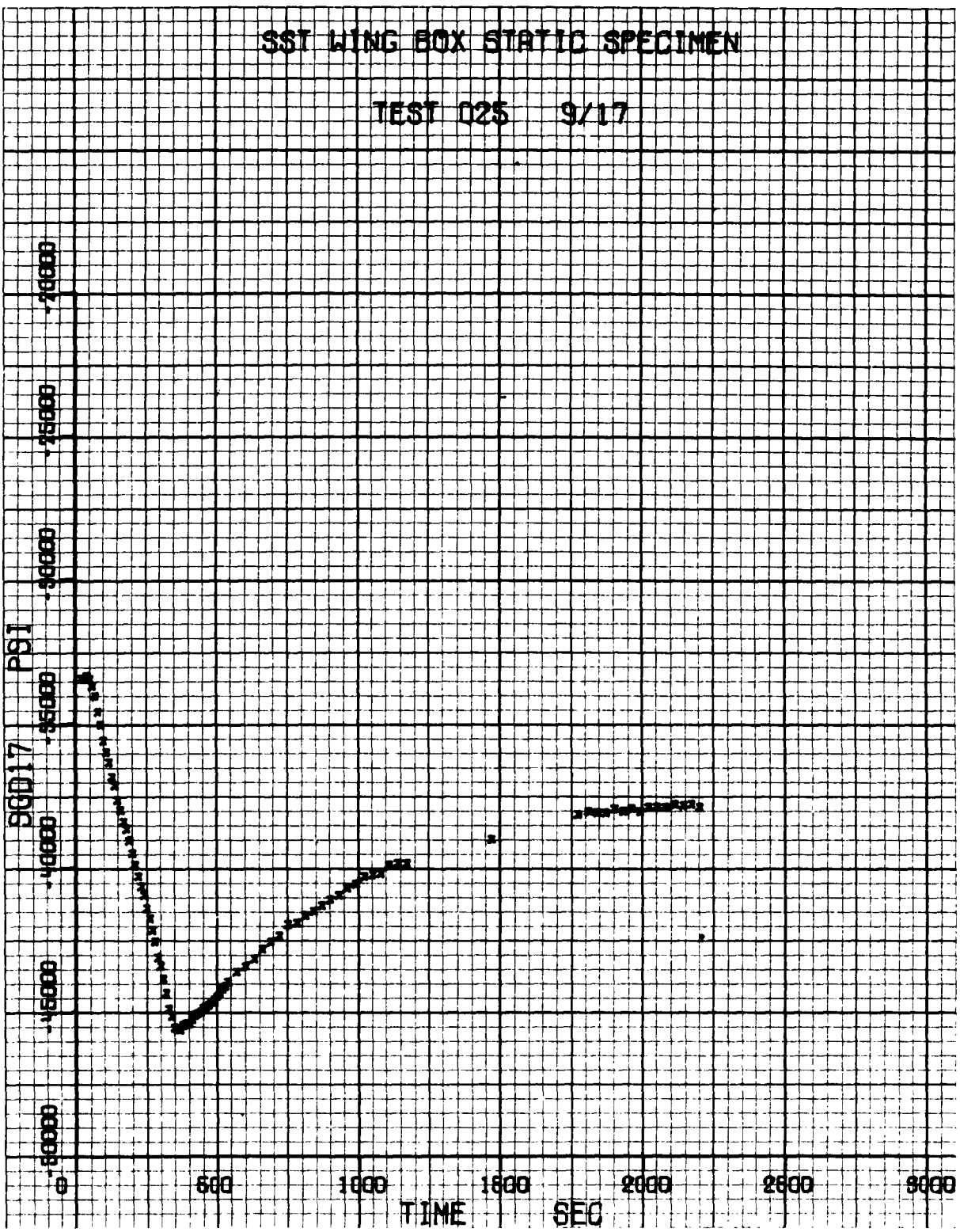
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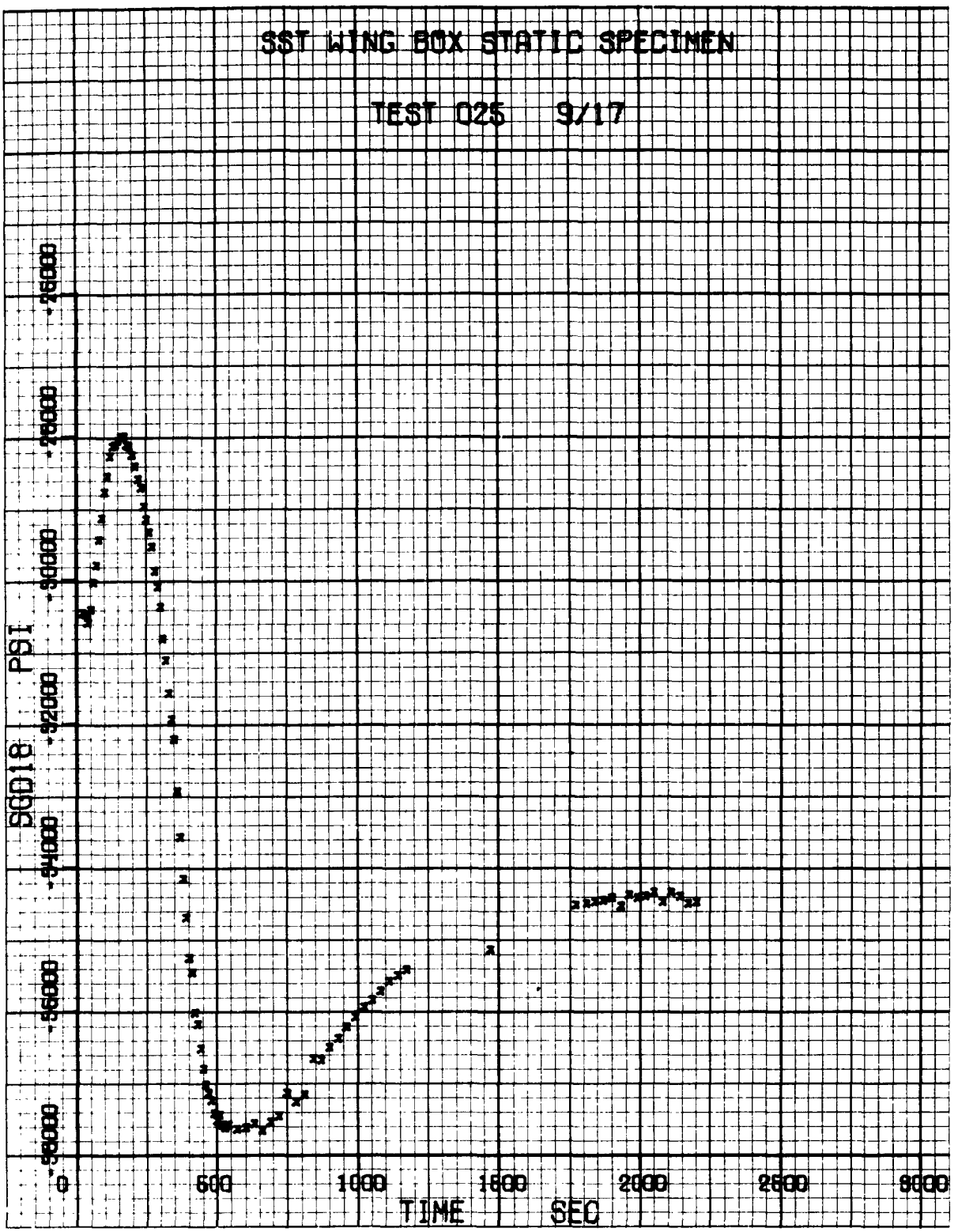
SST WING BOX STATIC SPECIMEN
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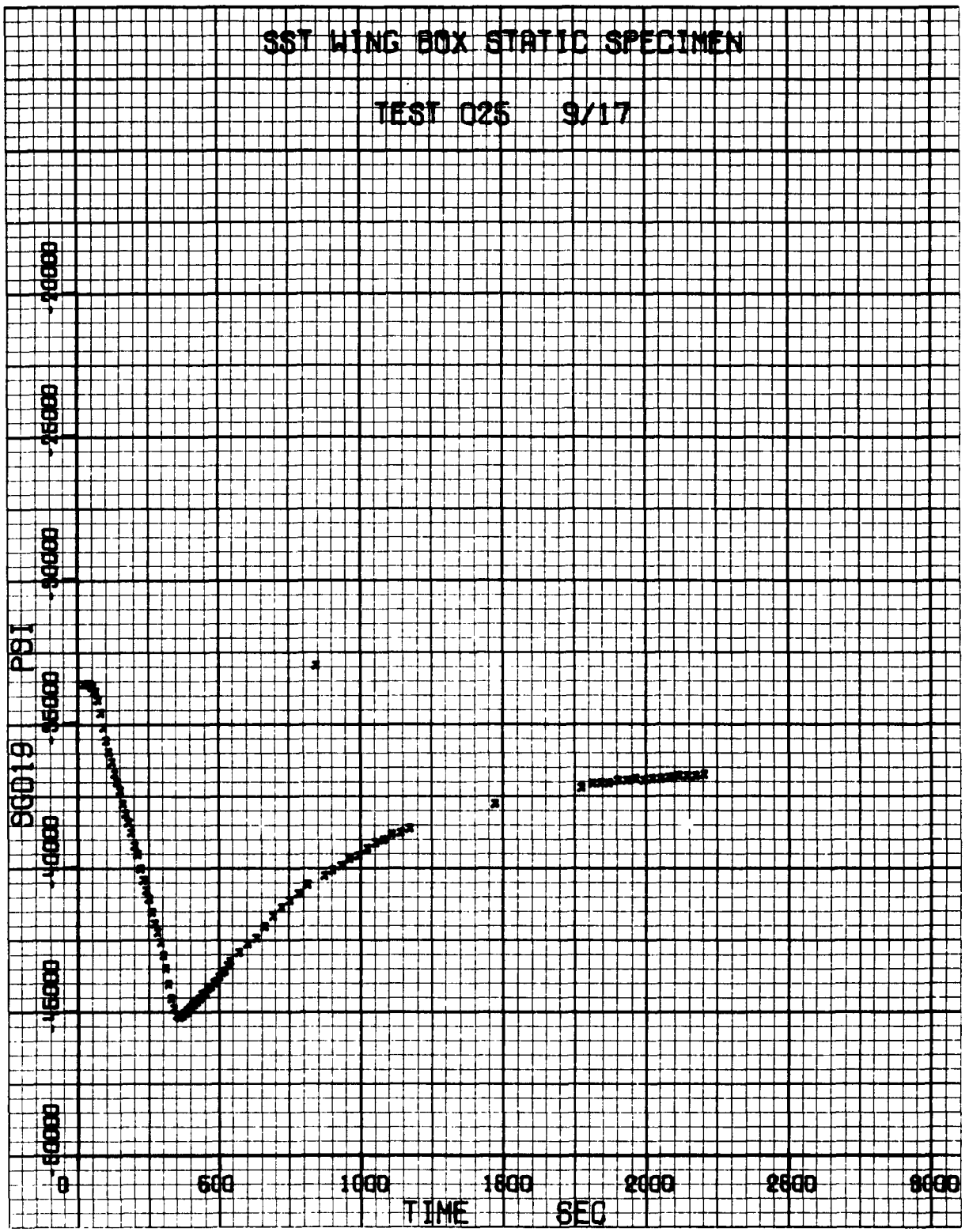
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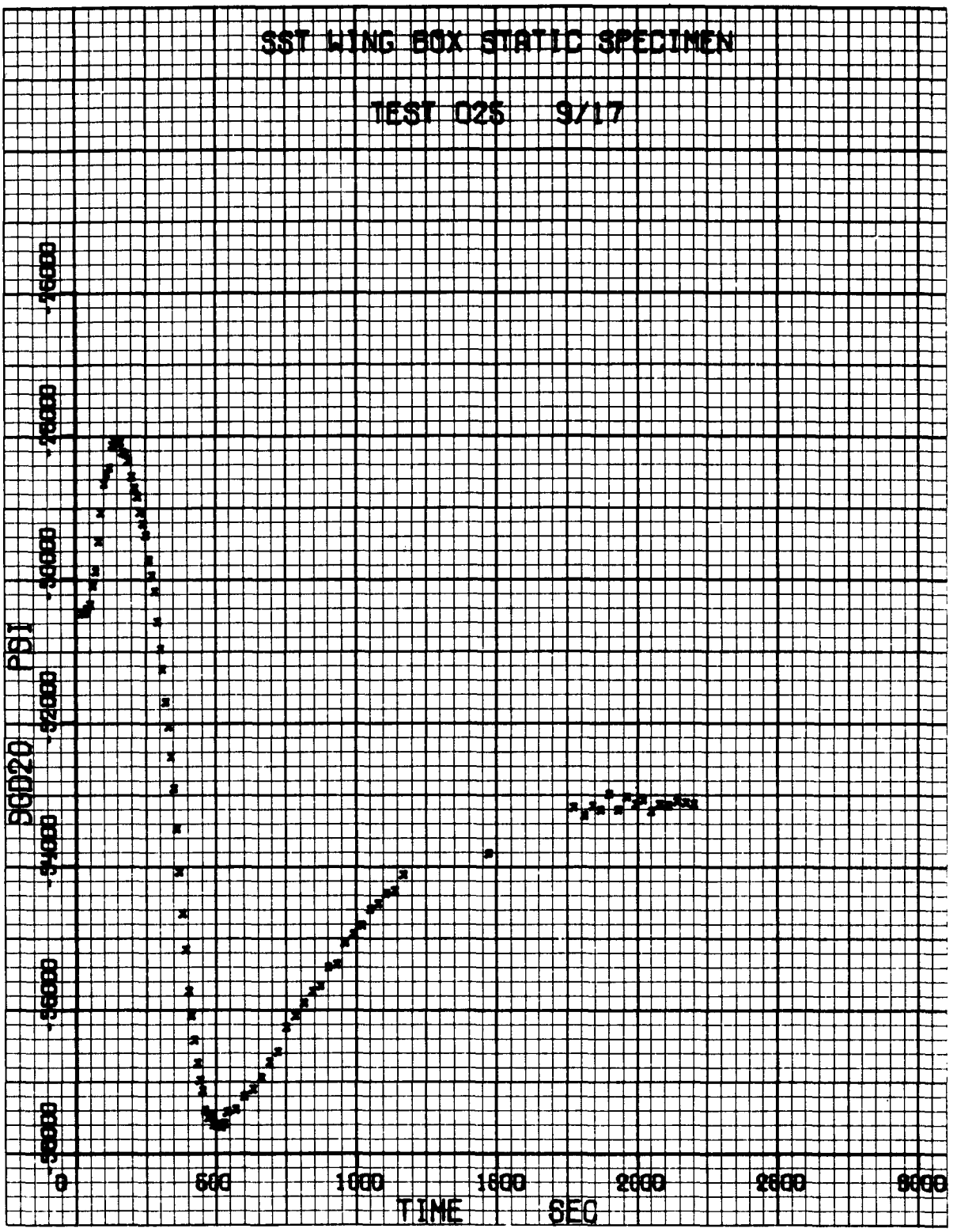
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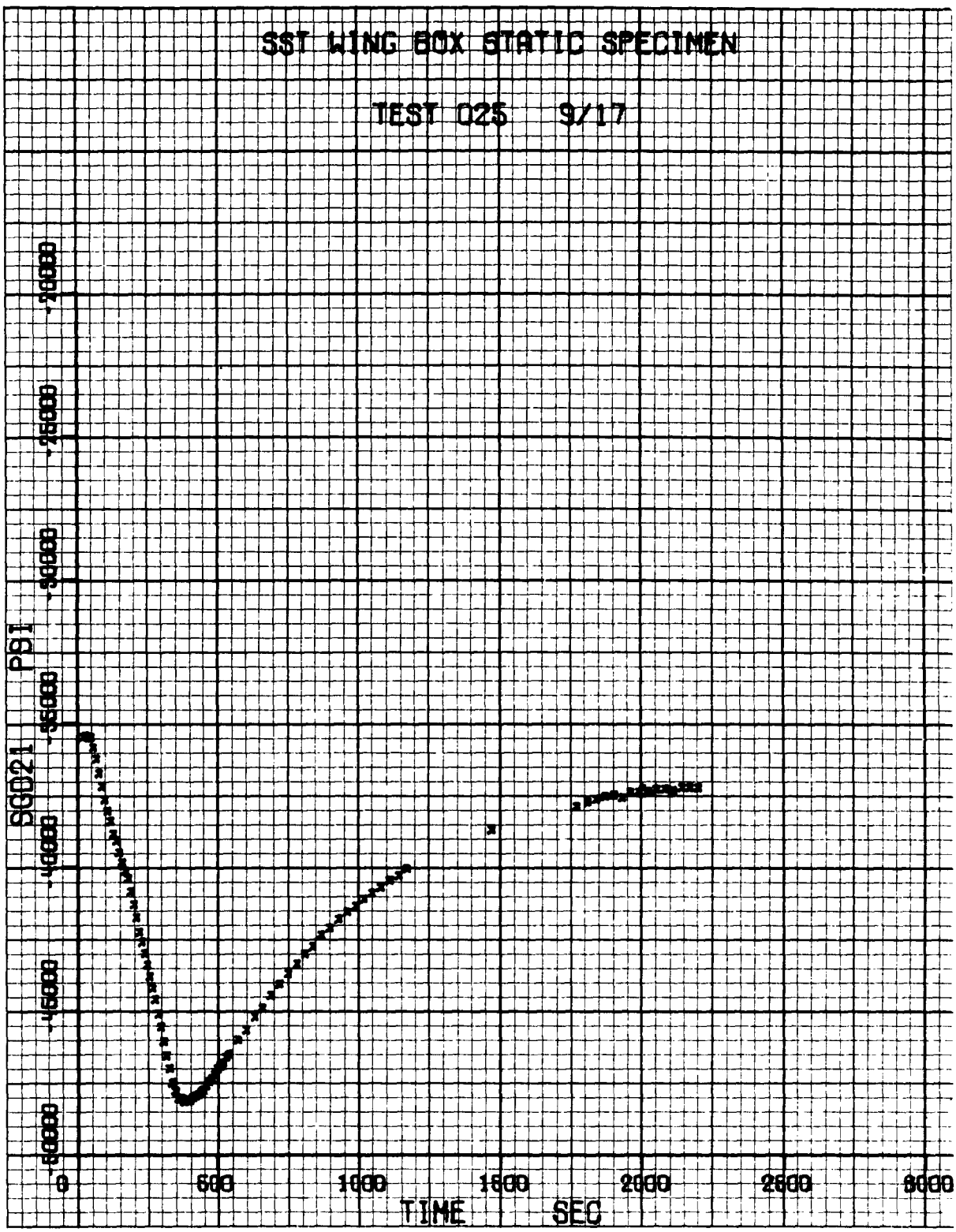
TIME SEC


SST WING BOX STATIC SPECIMEN
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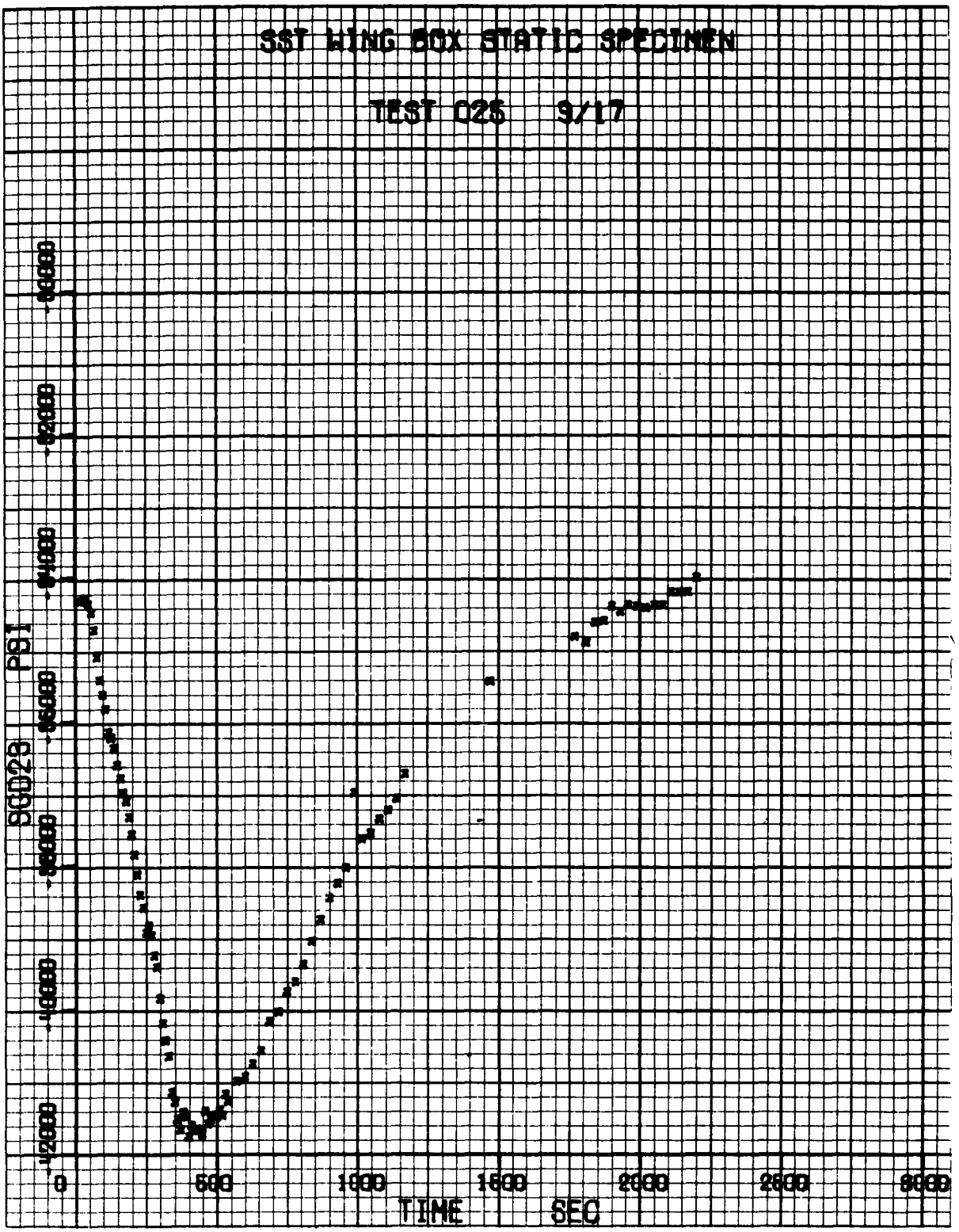
TIME SEC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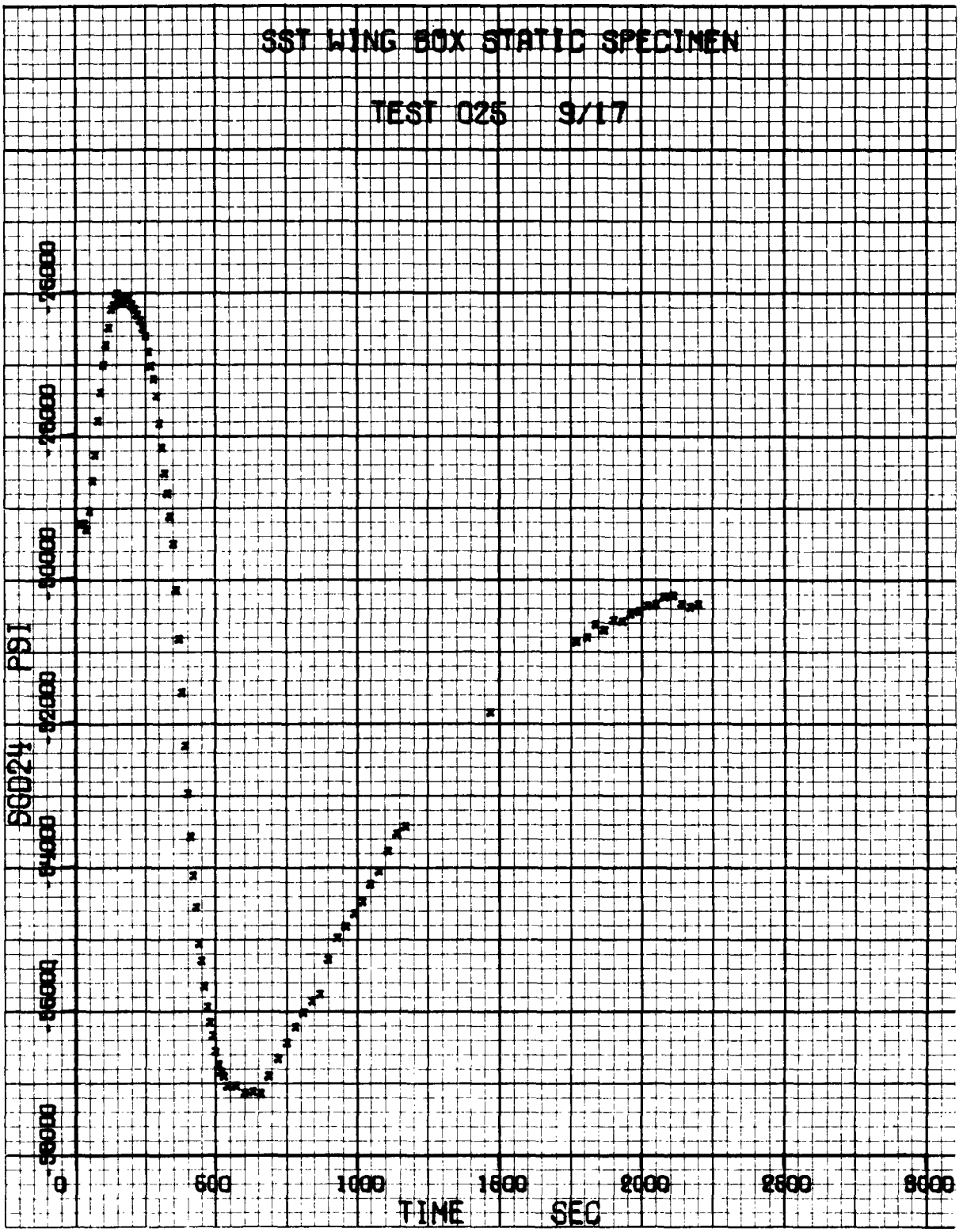
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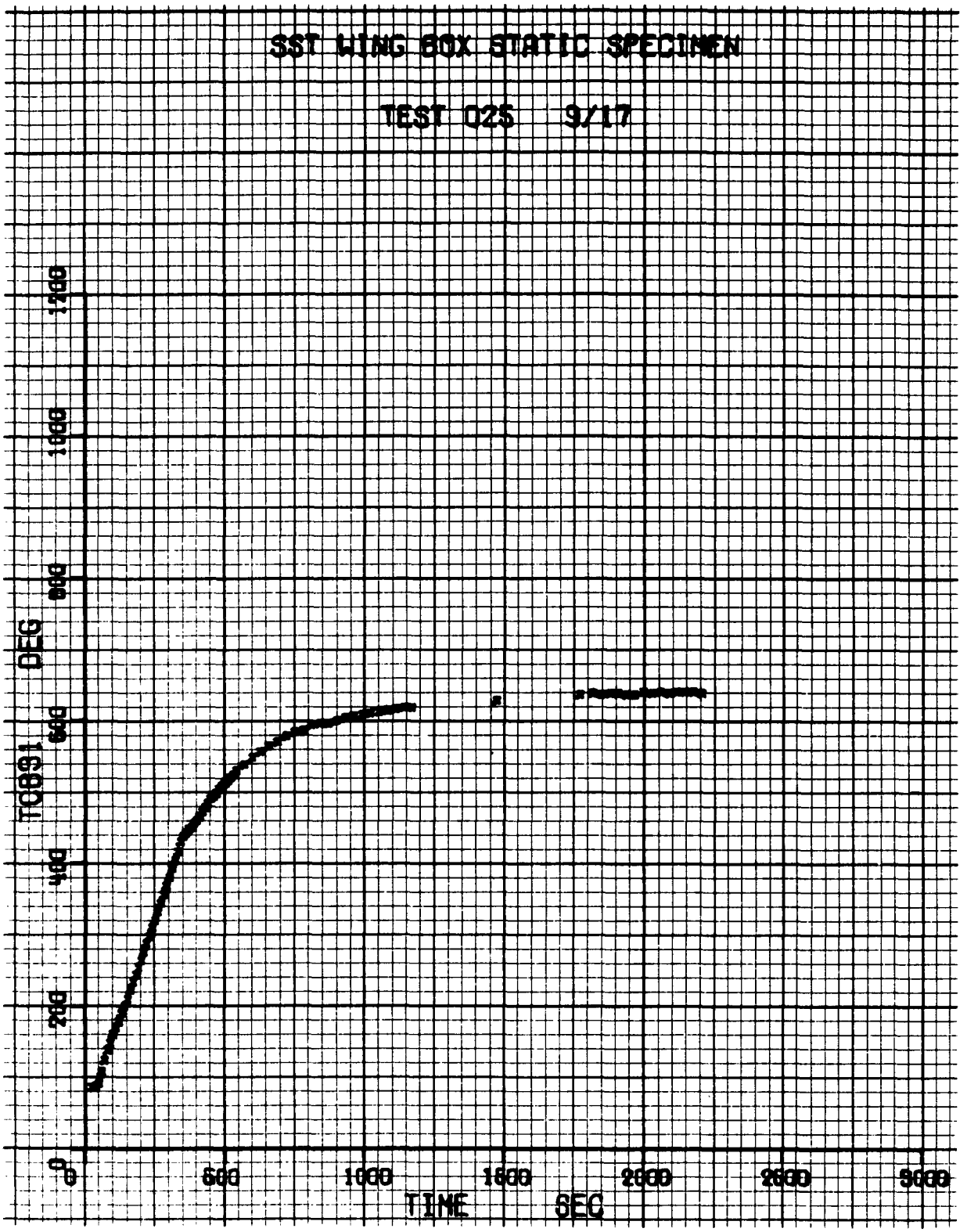
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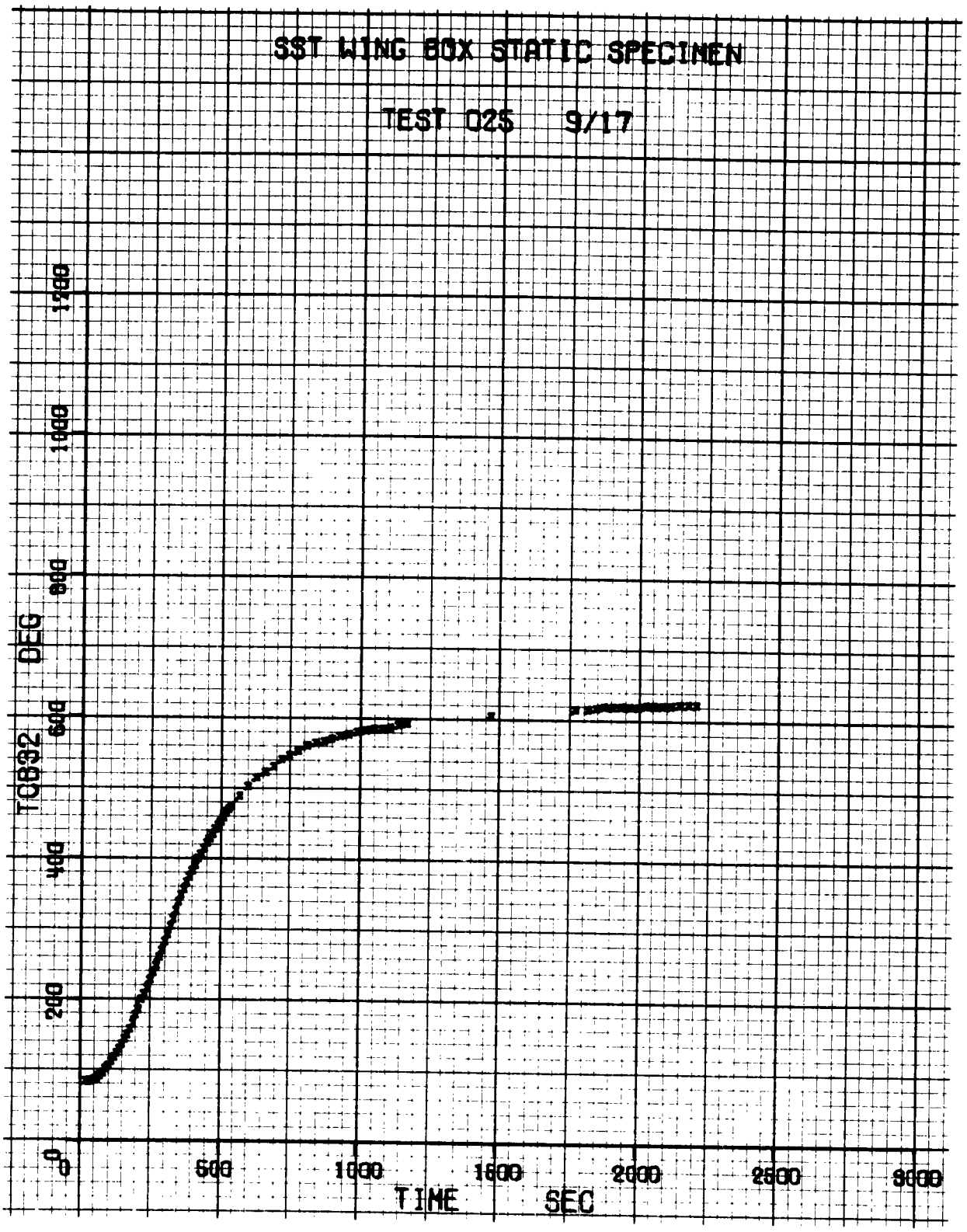
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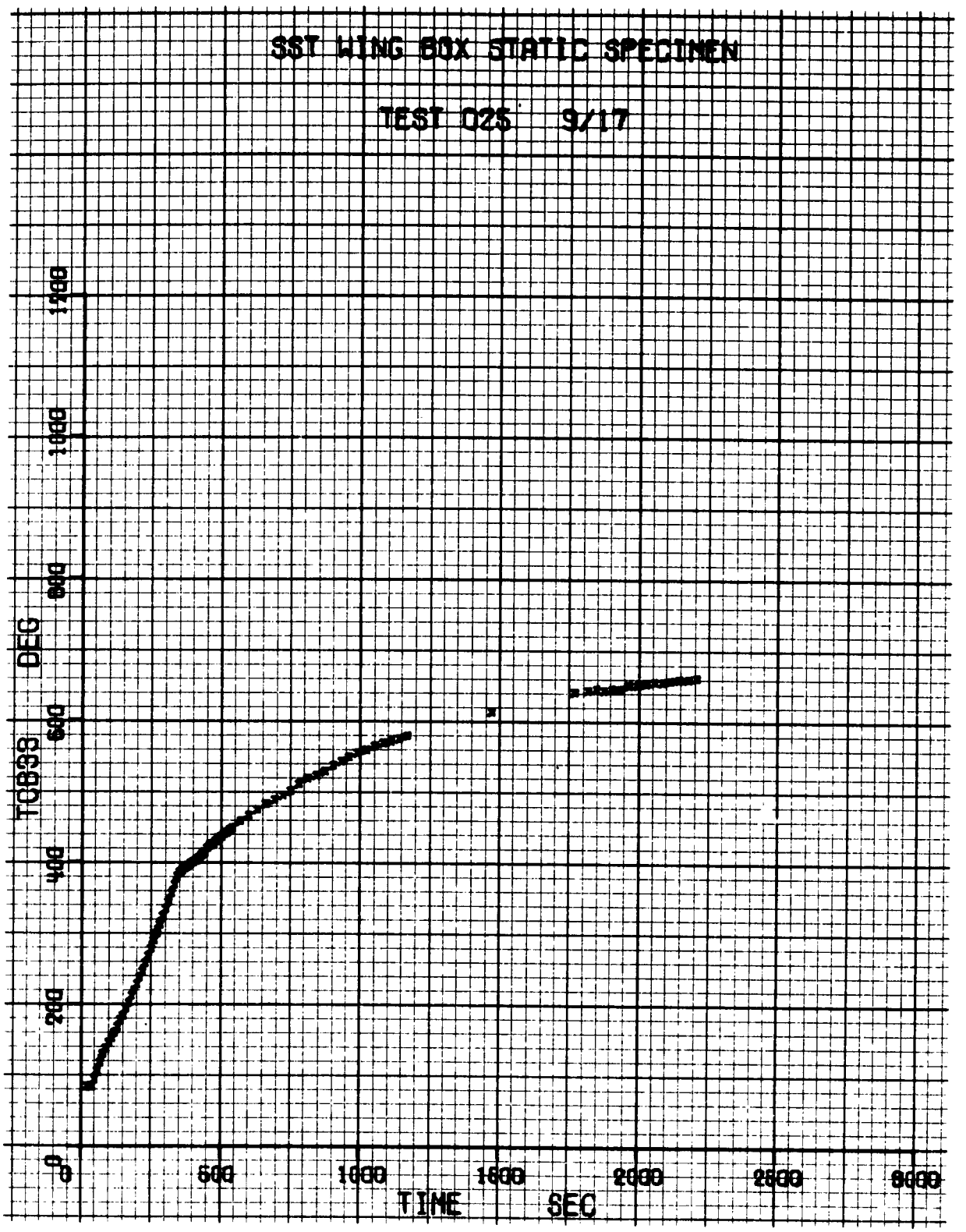
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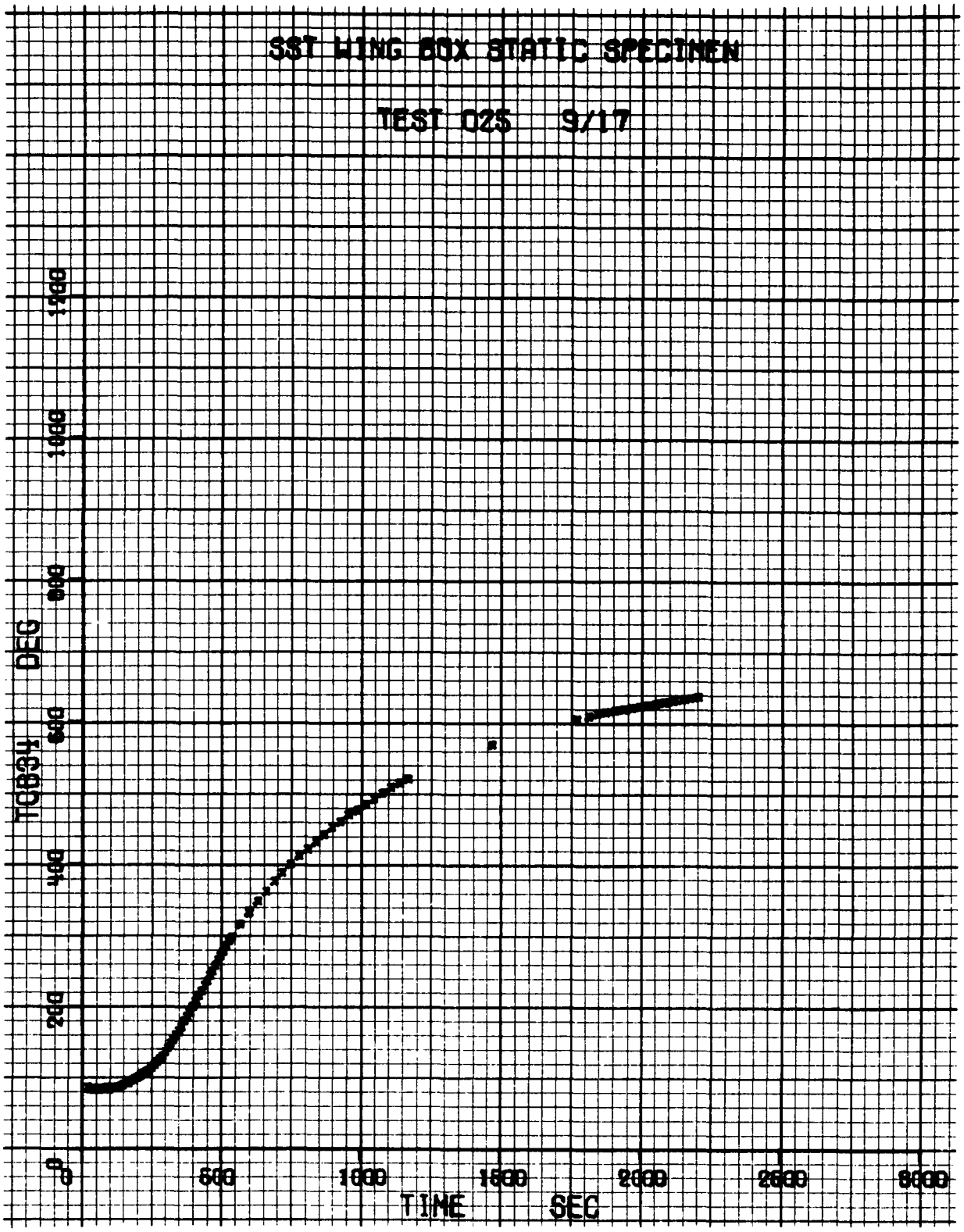
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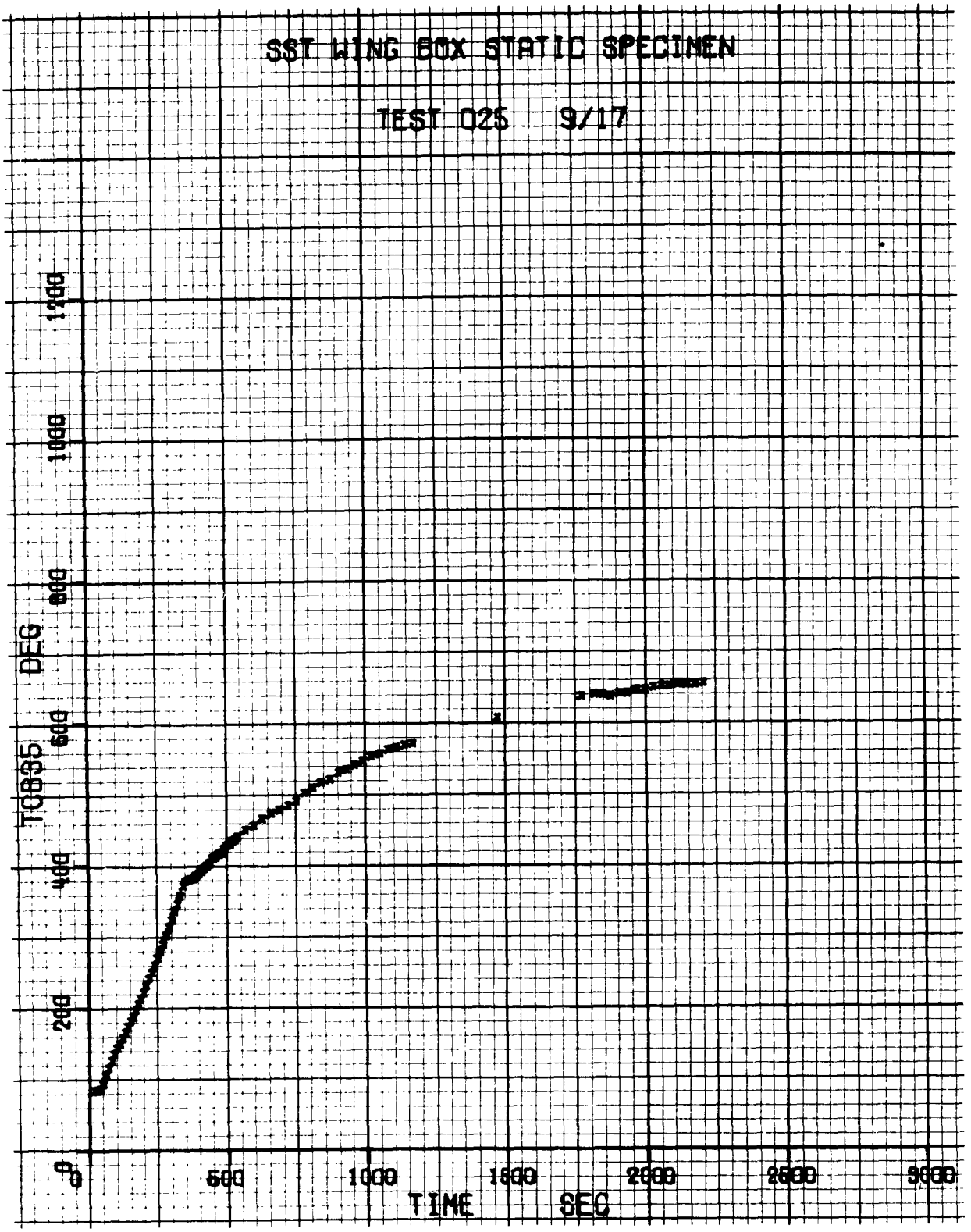
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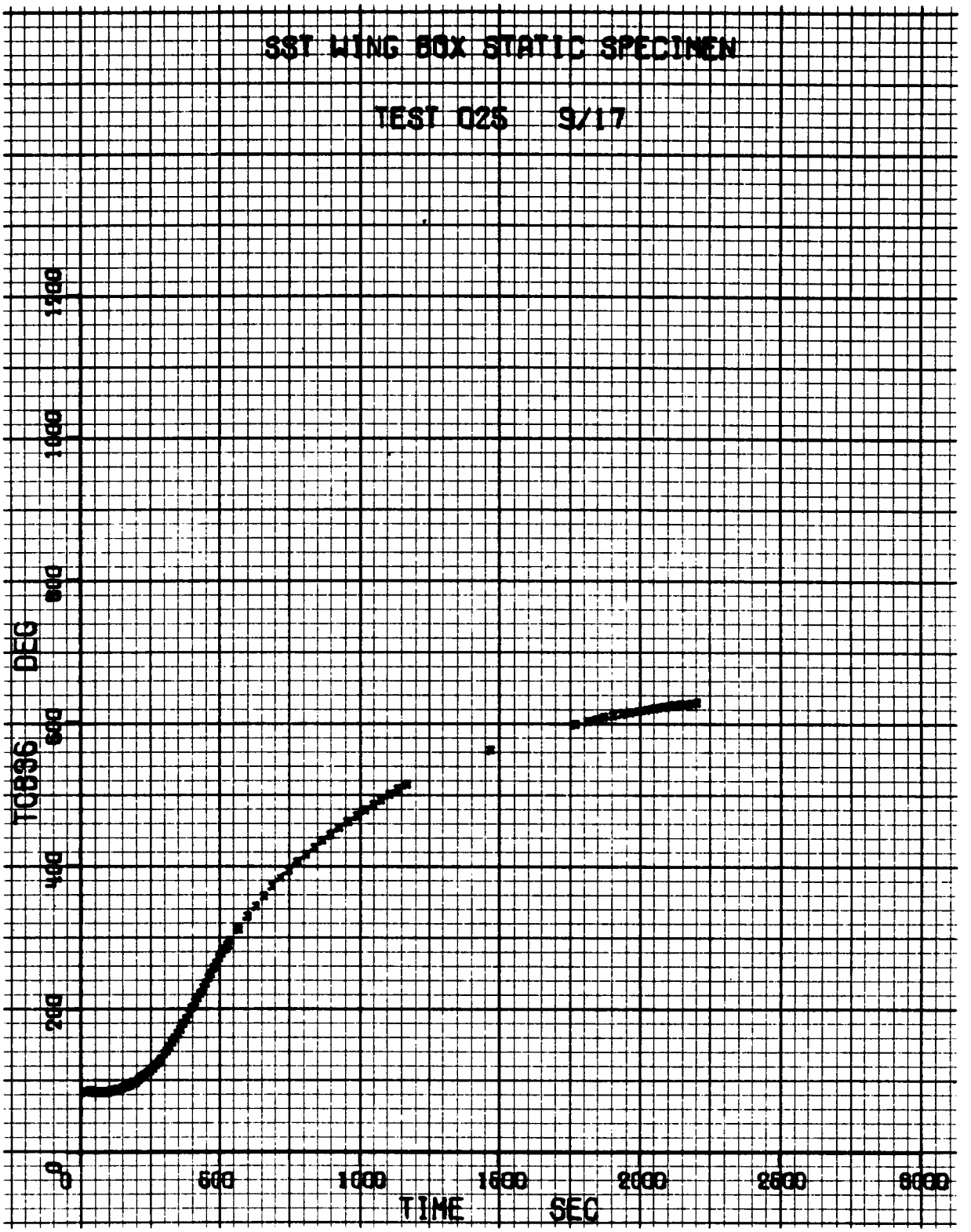
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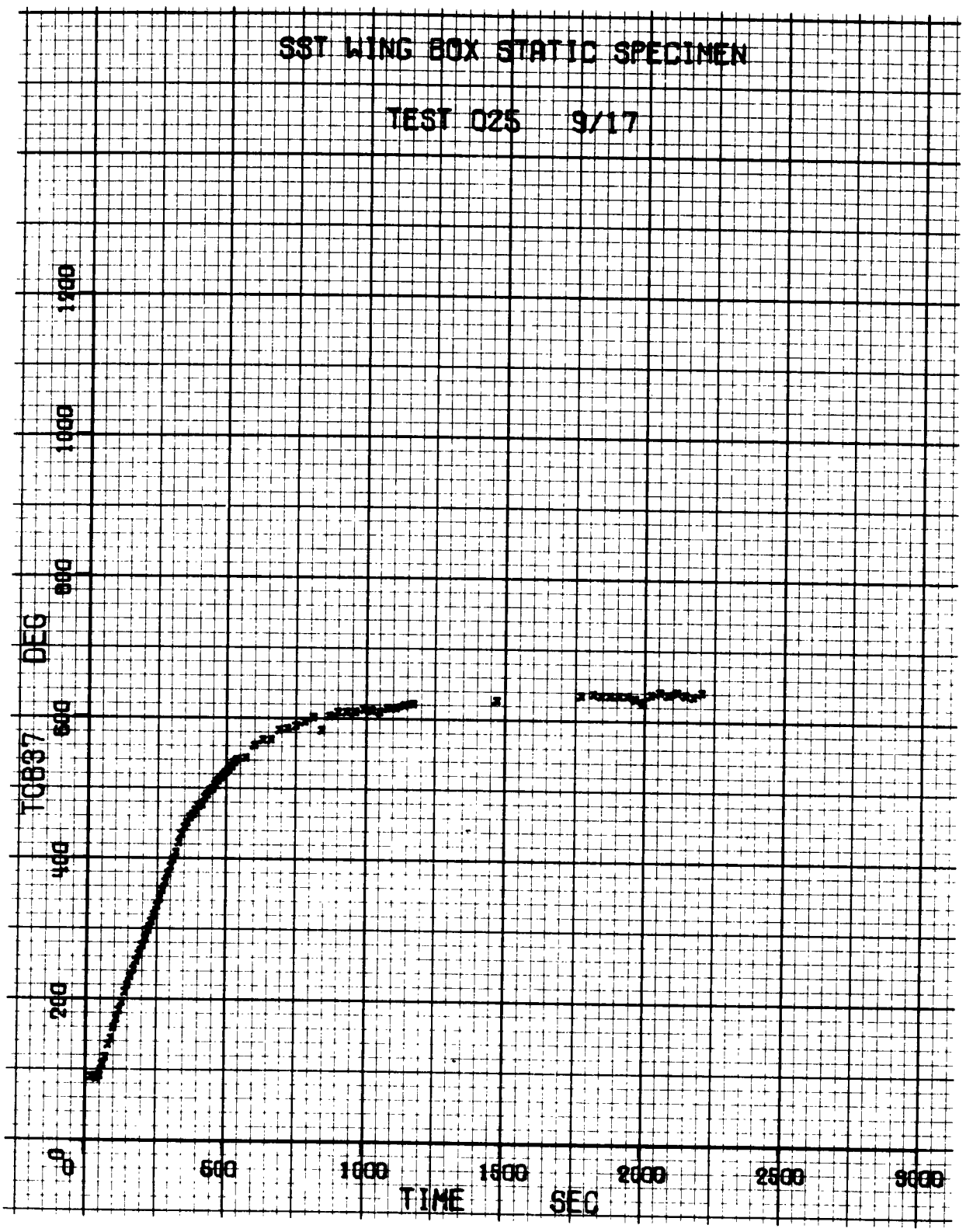
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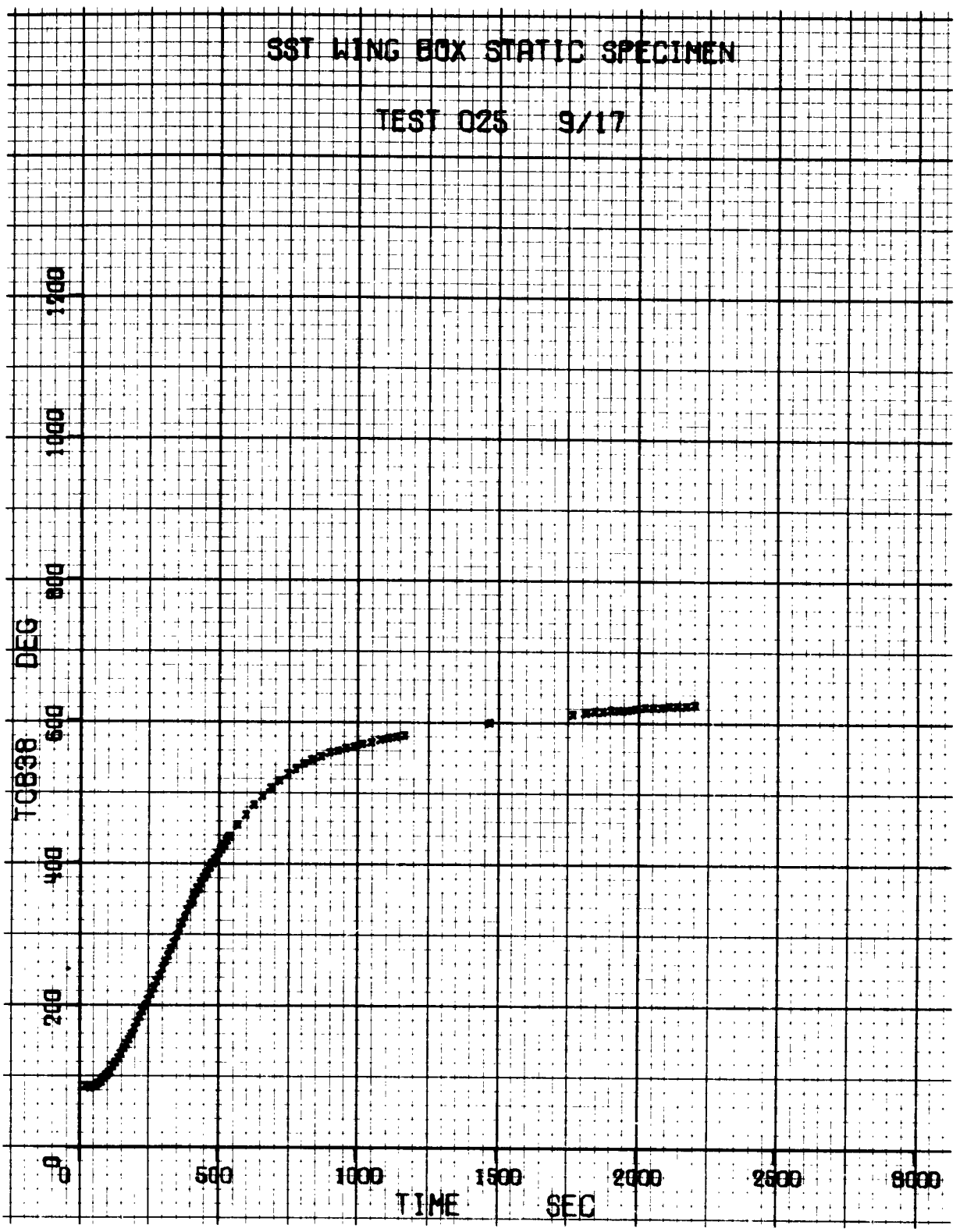
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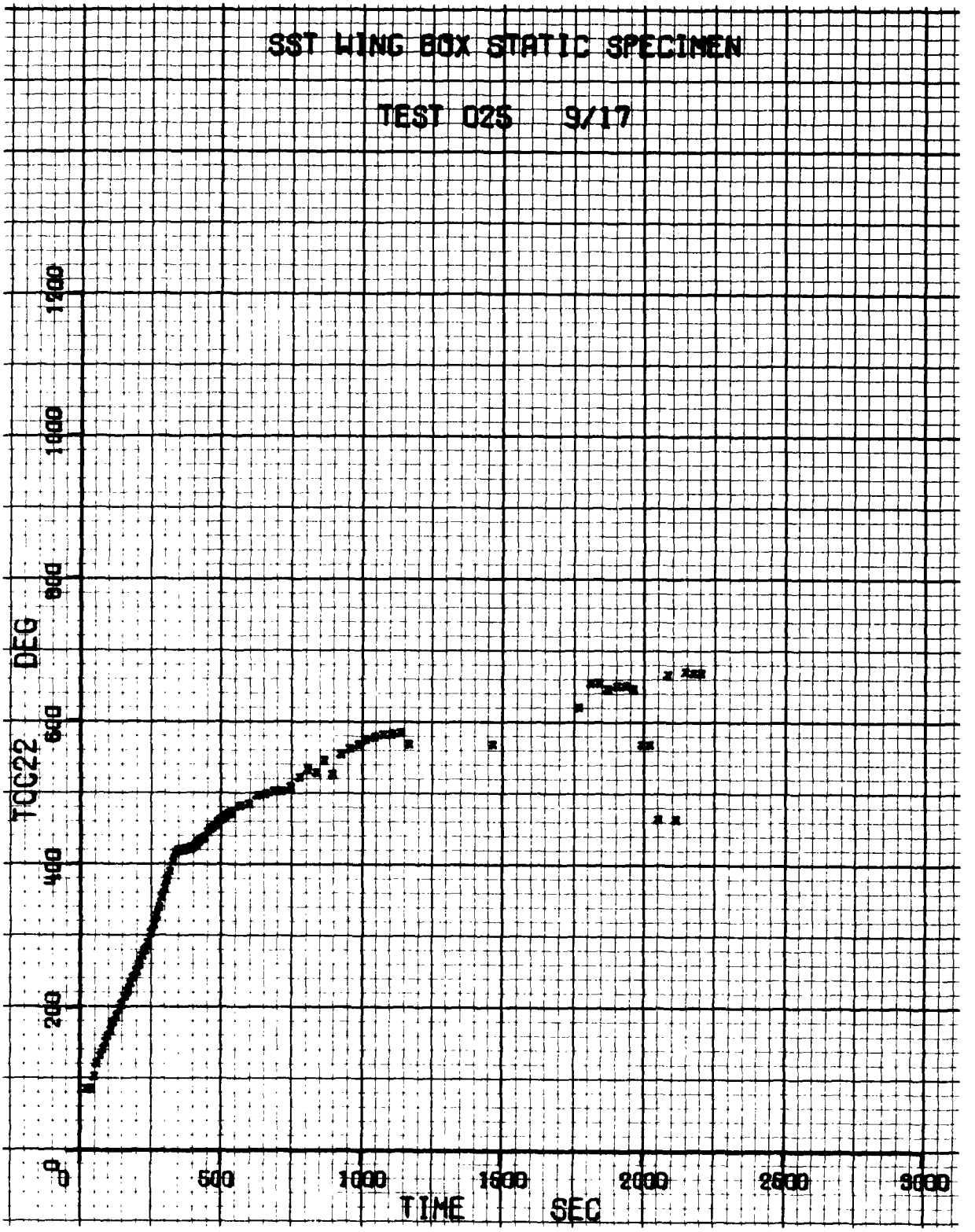
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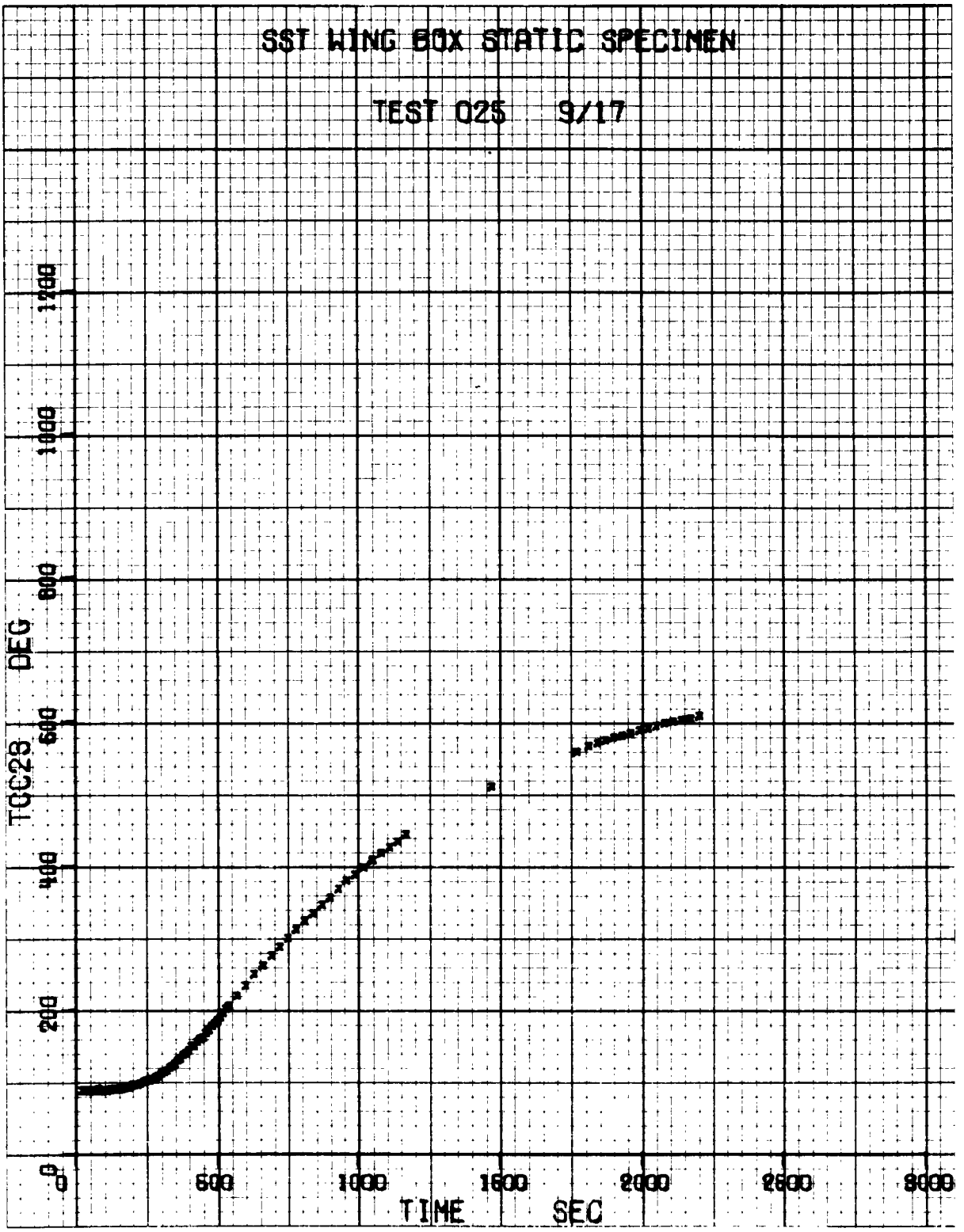
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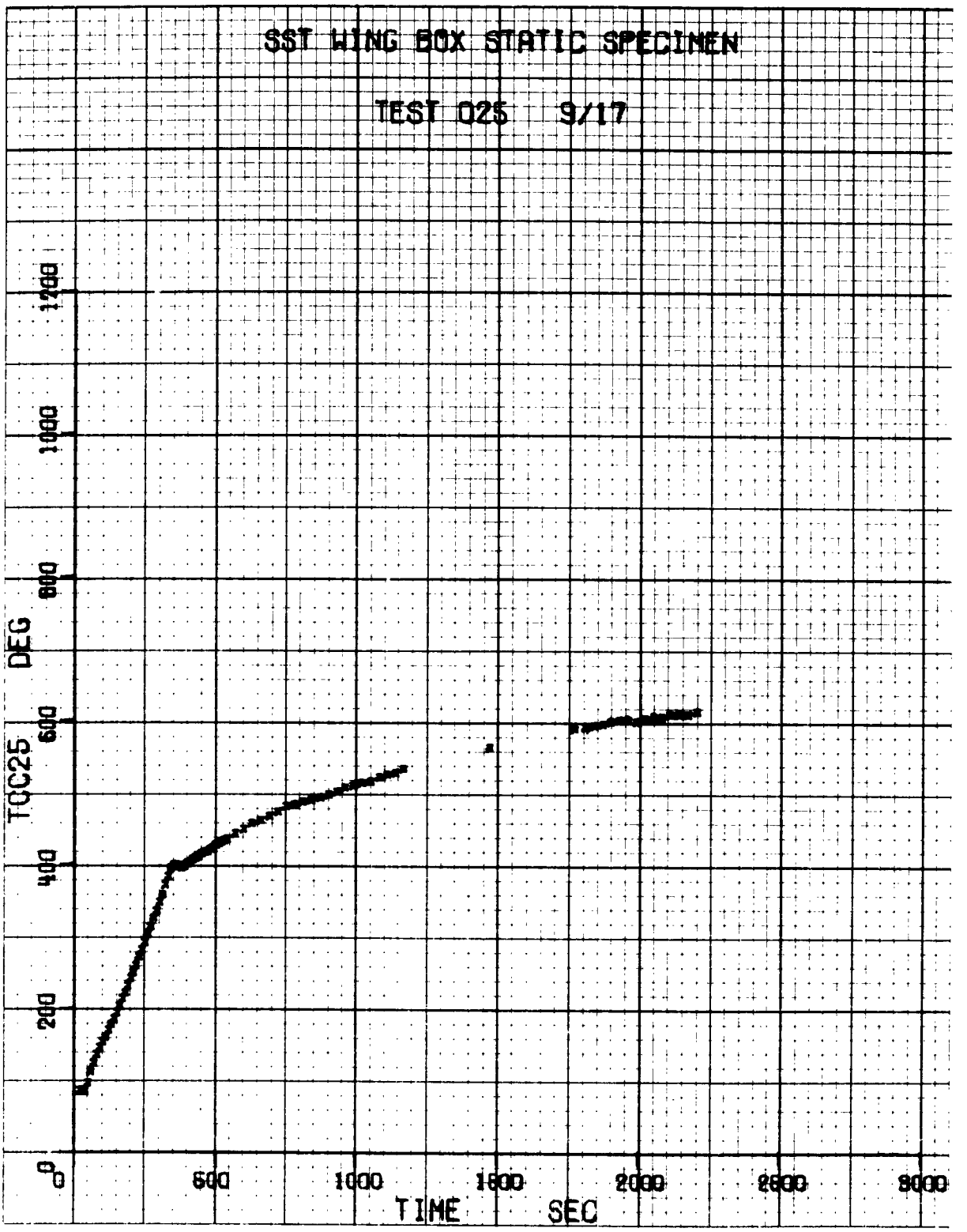
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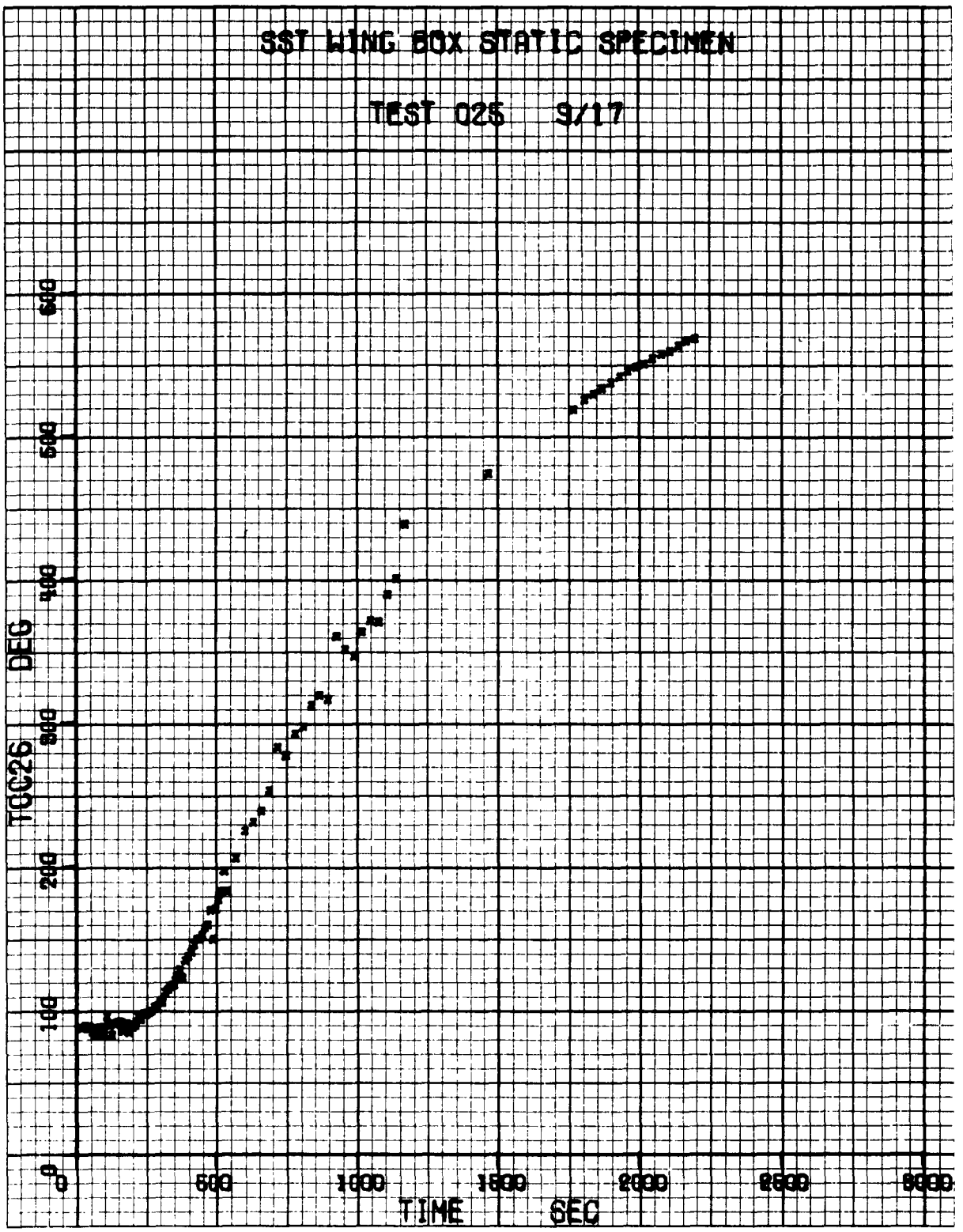
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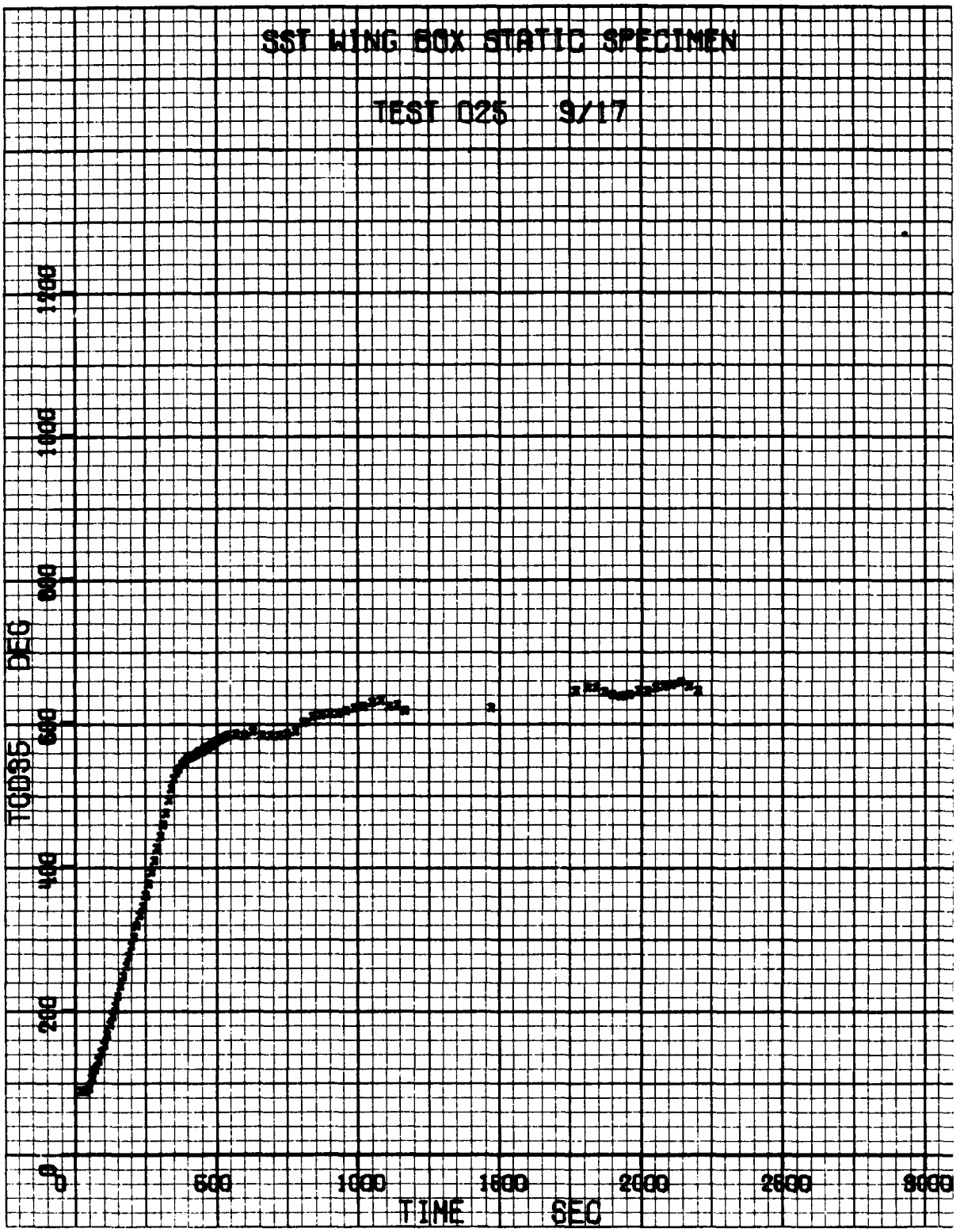
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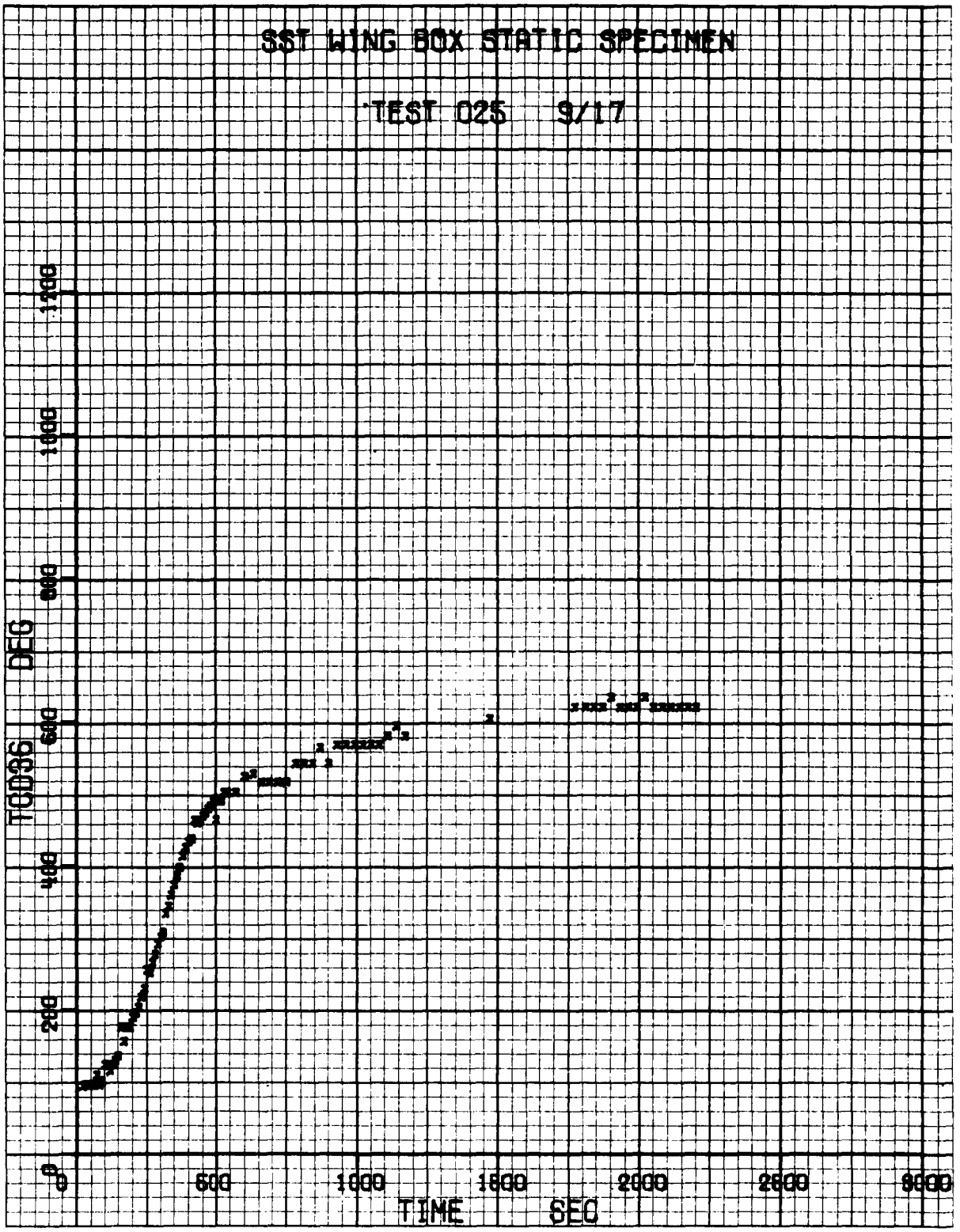
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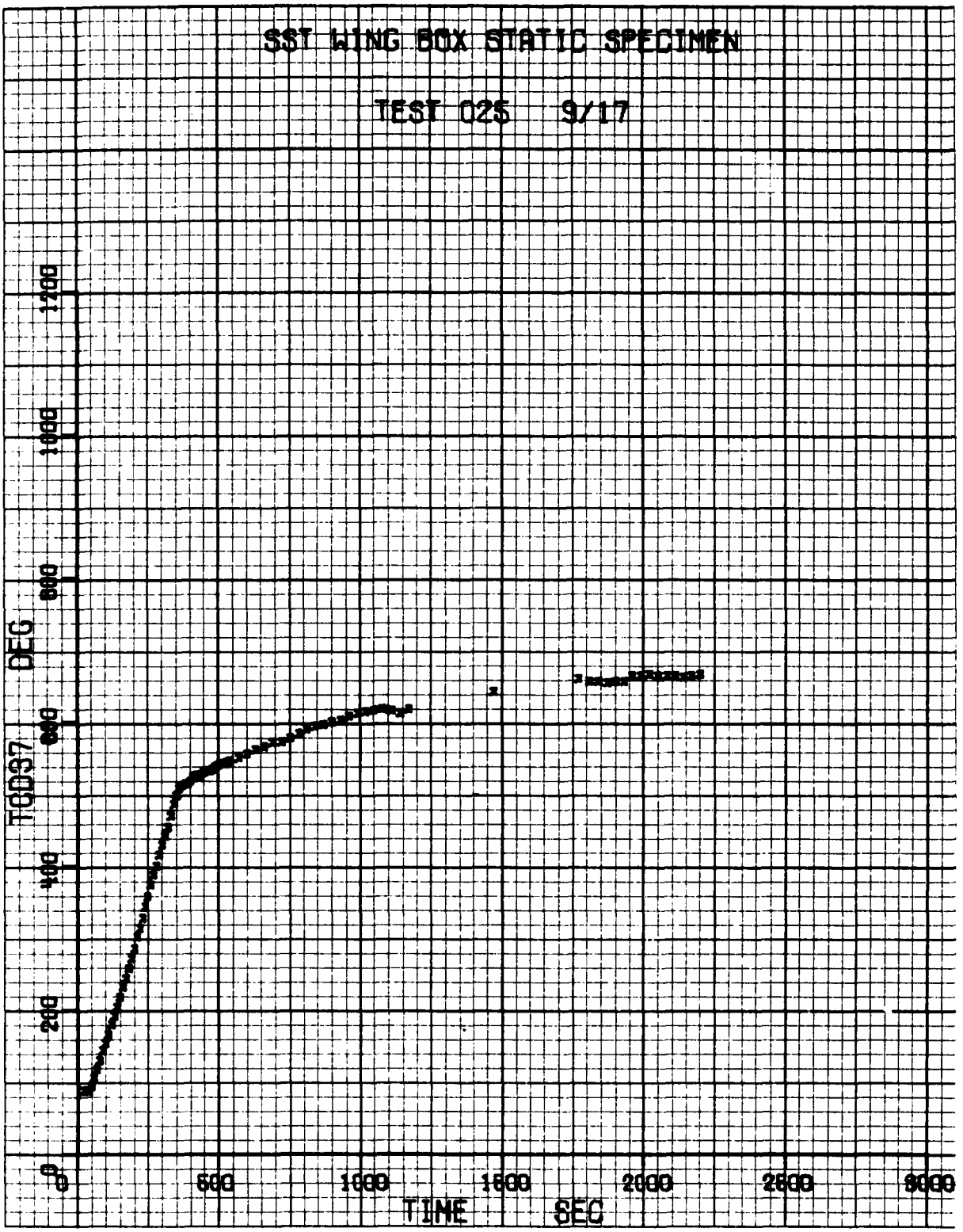
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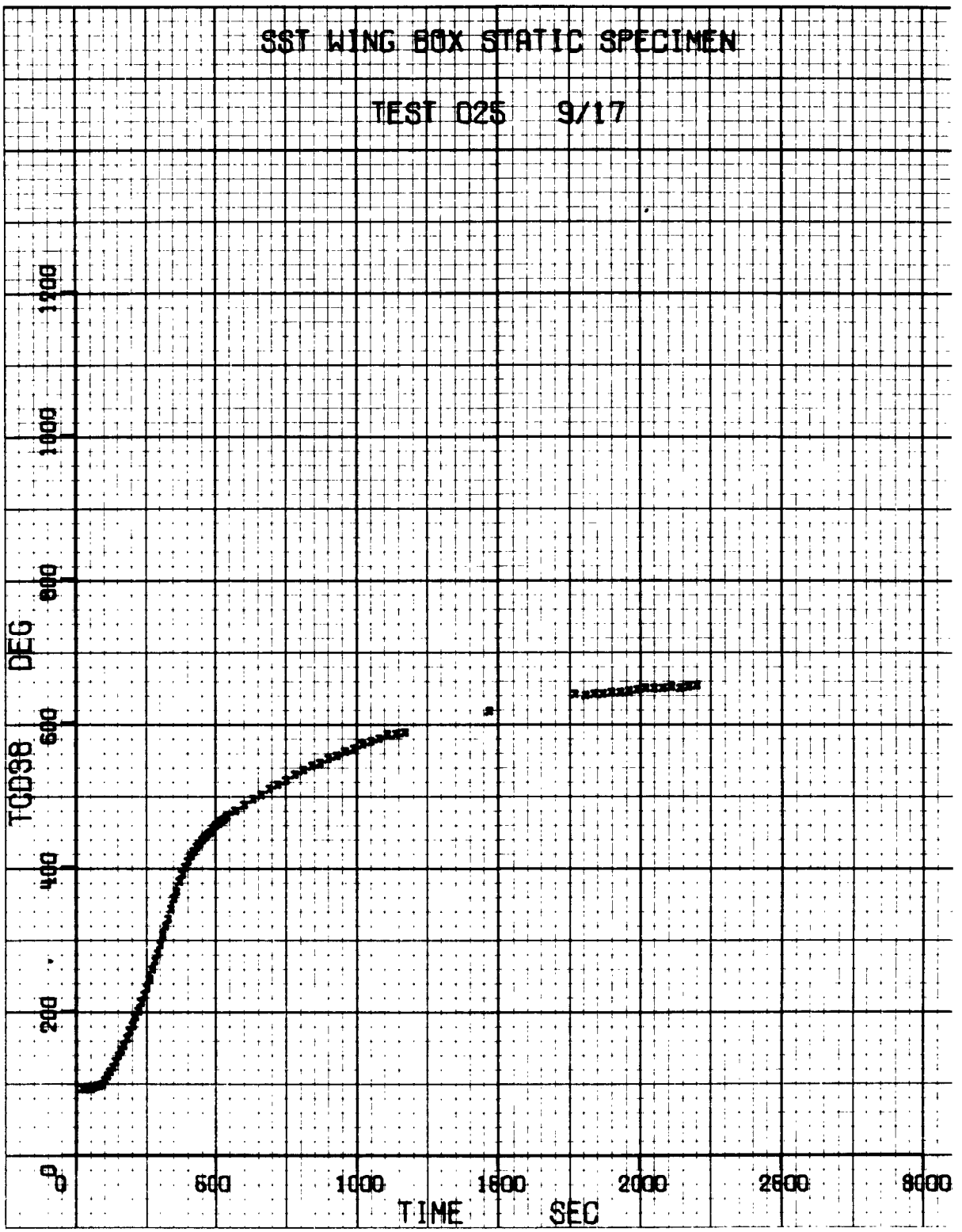
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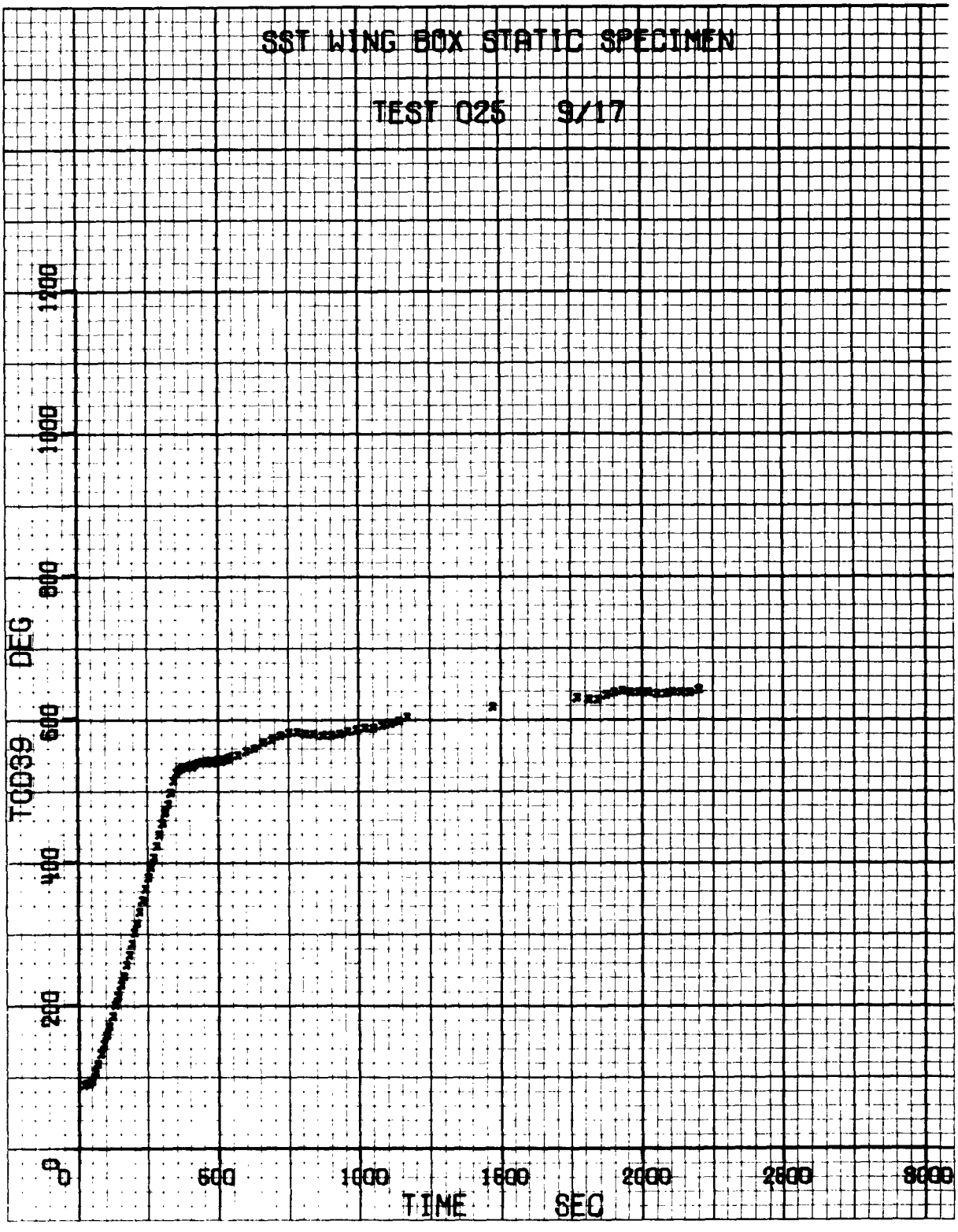
SST WING BOX STATIC SPECIMEN
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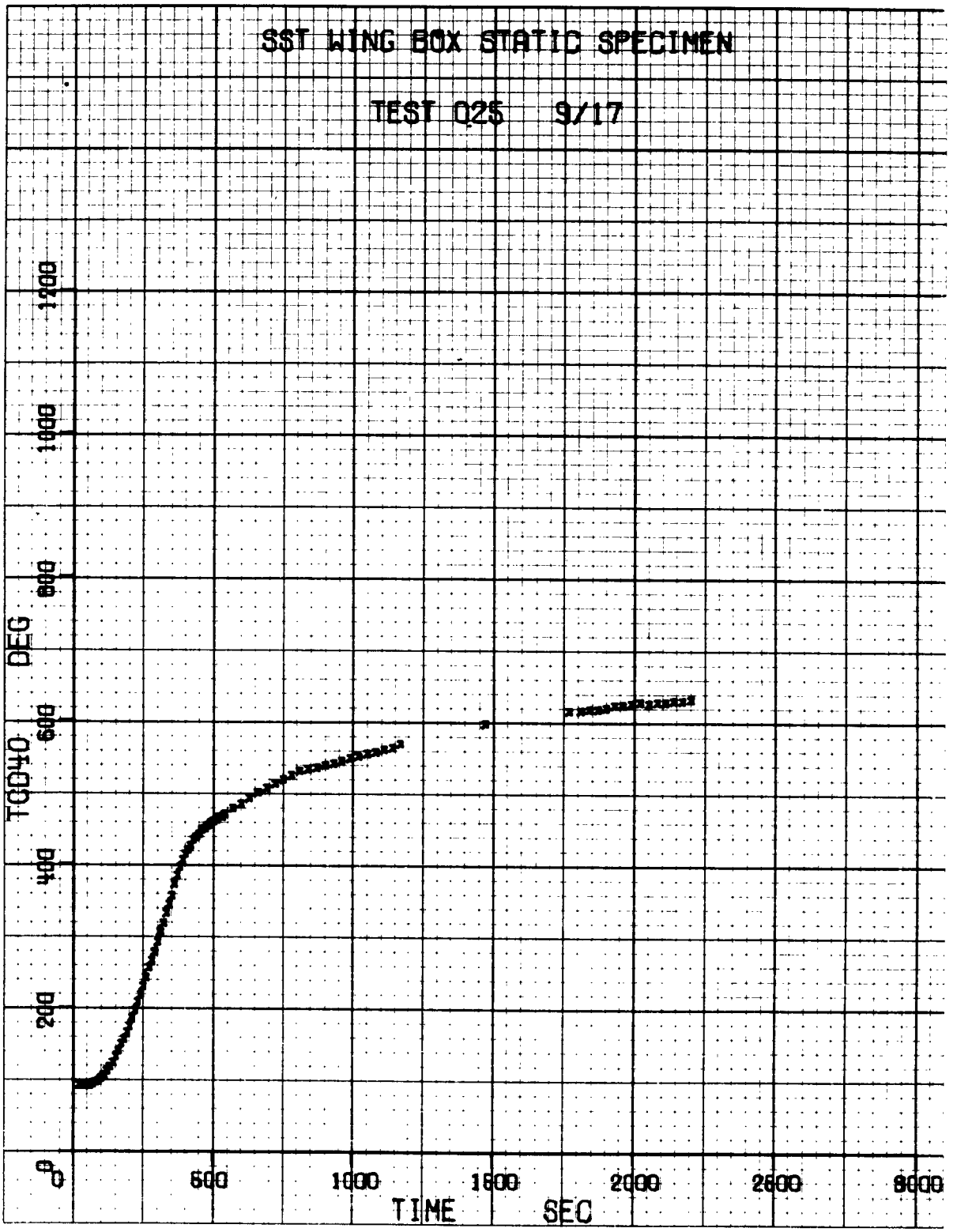
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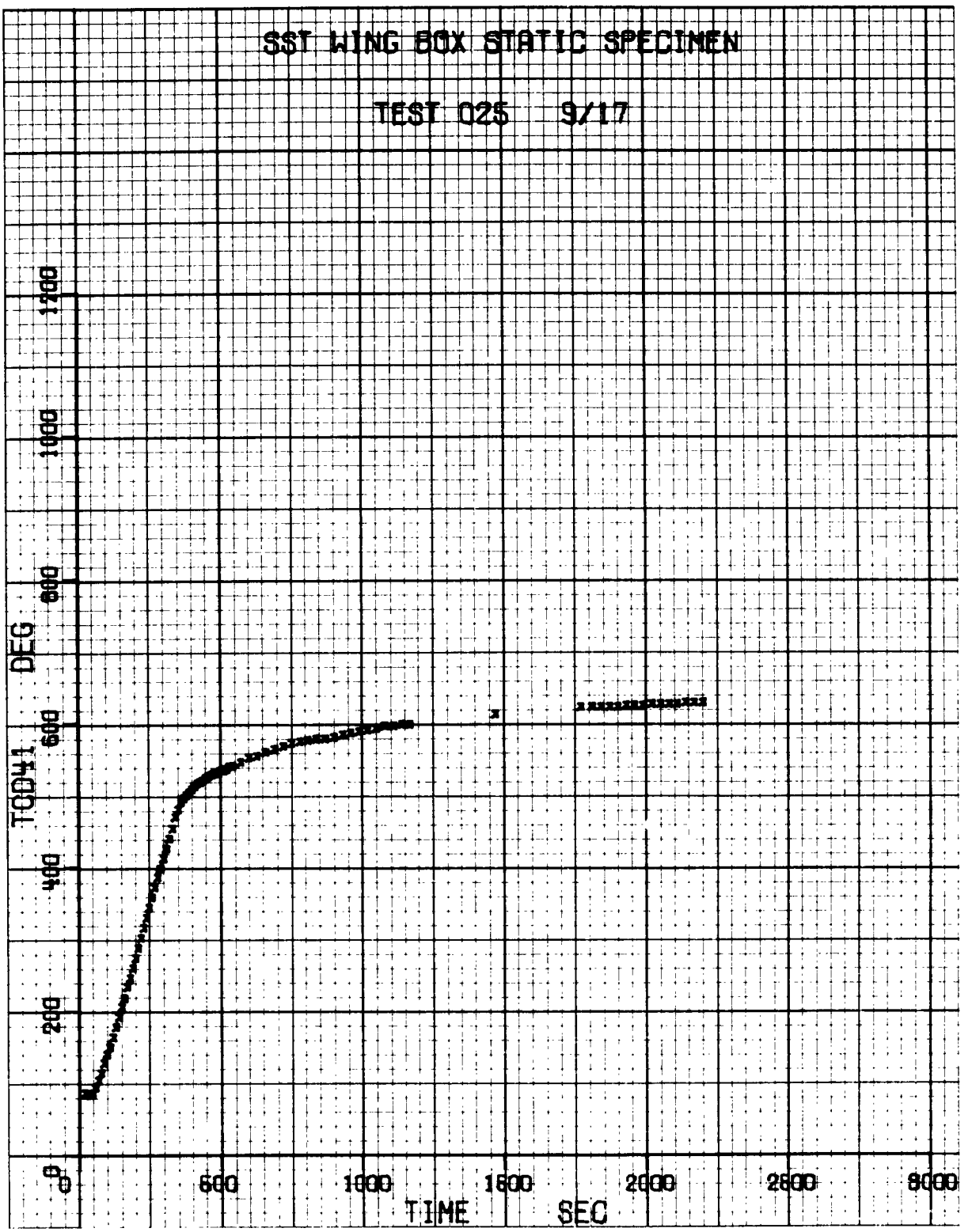
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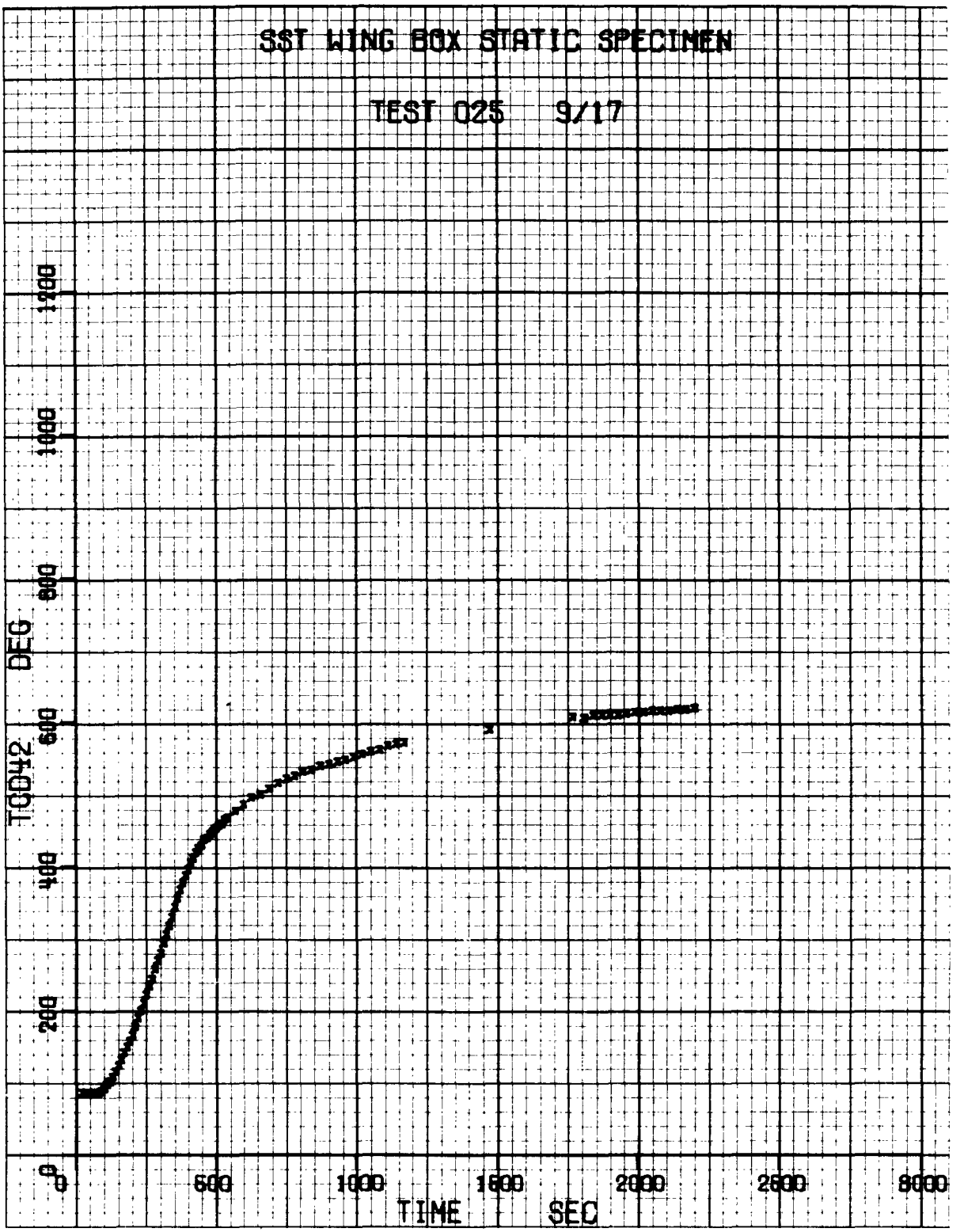
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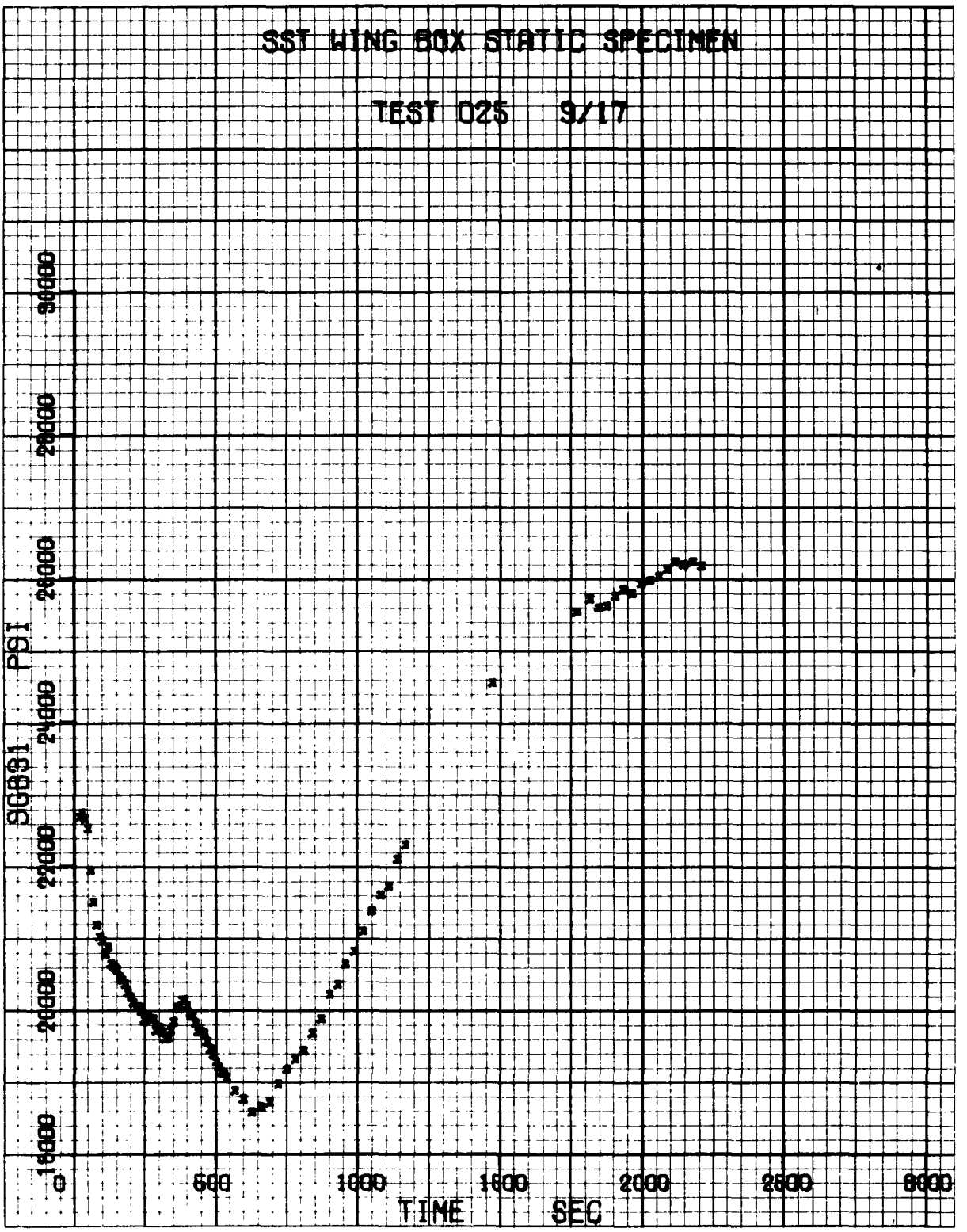
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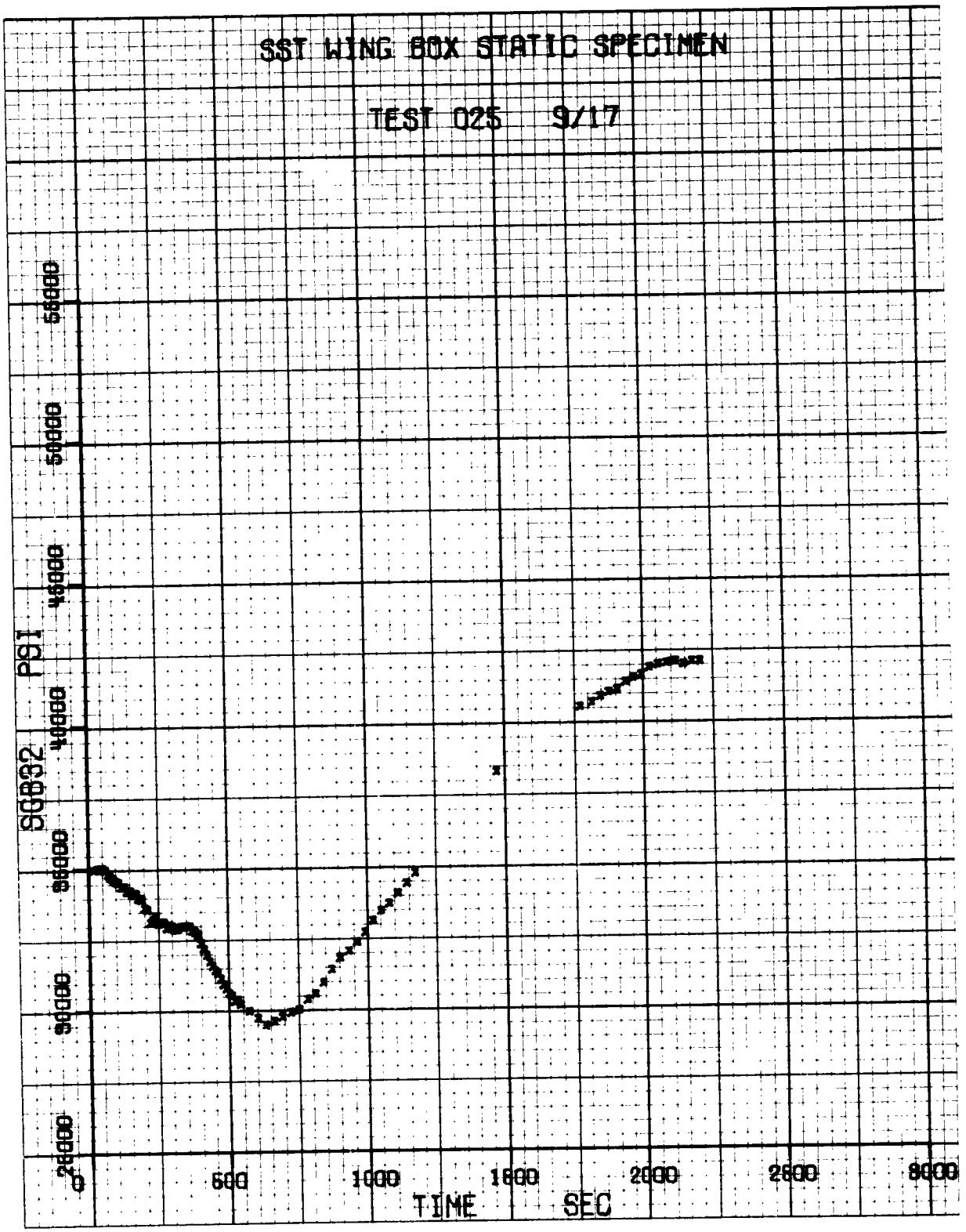
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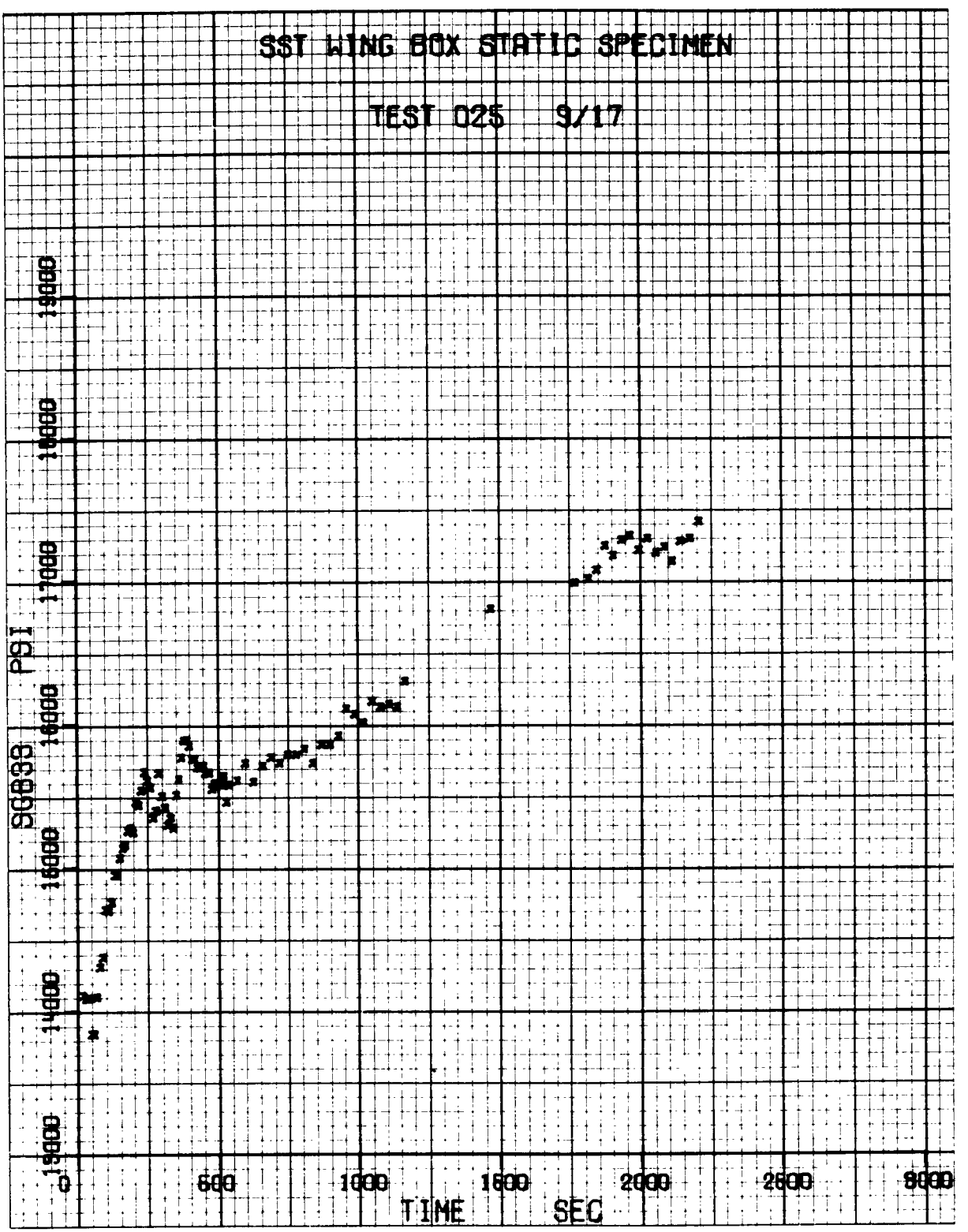
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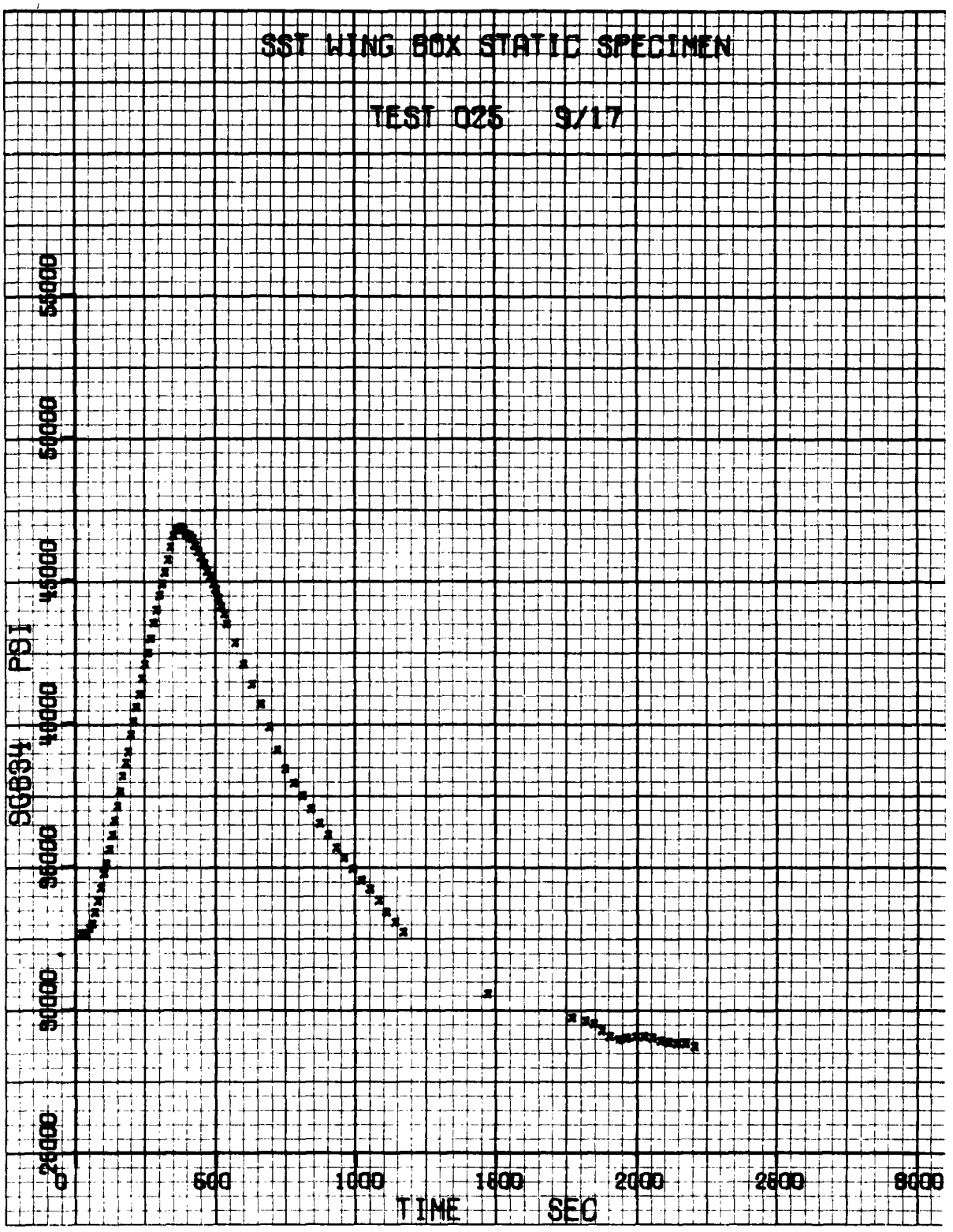
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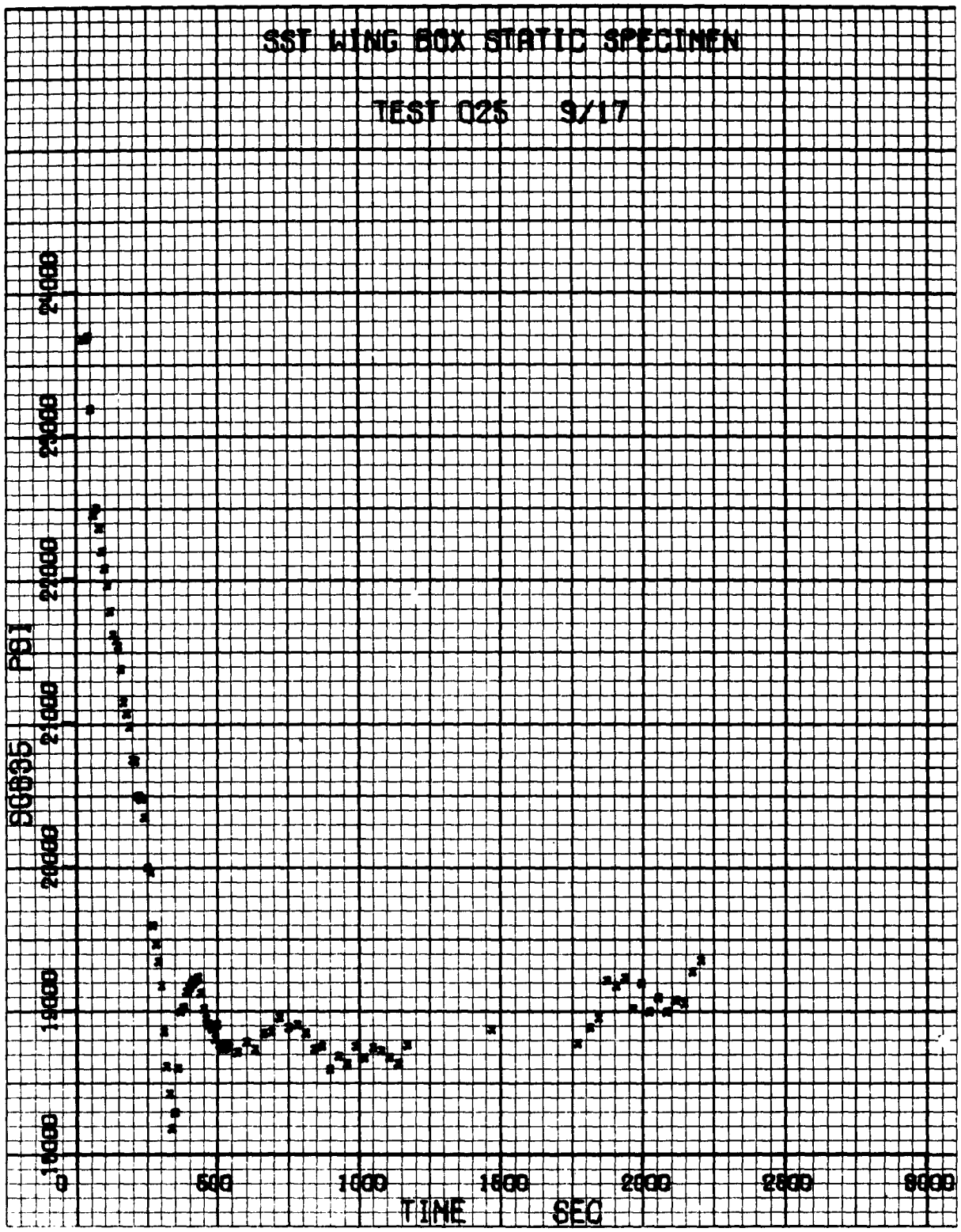
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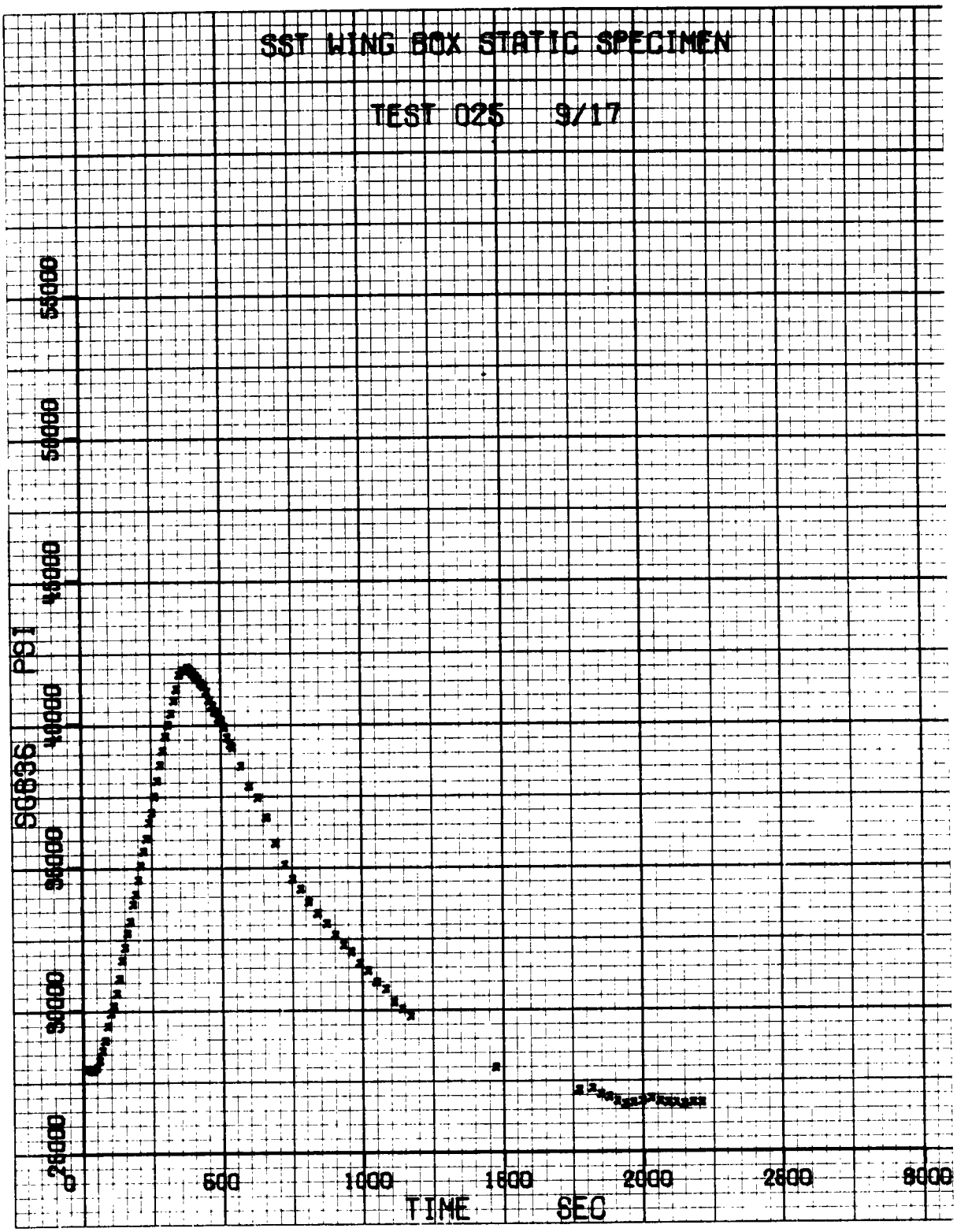
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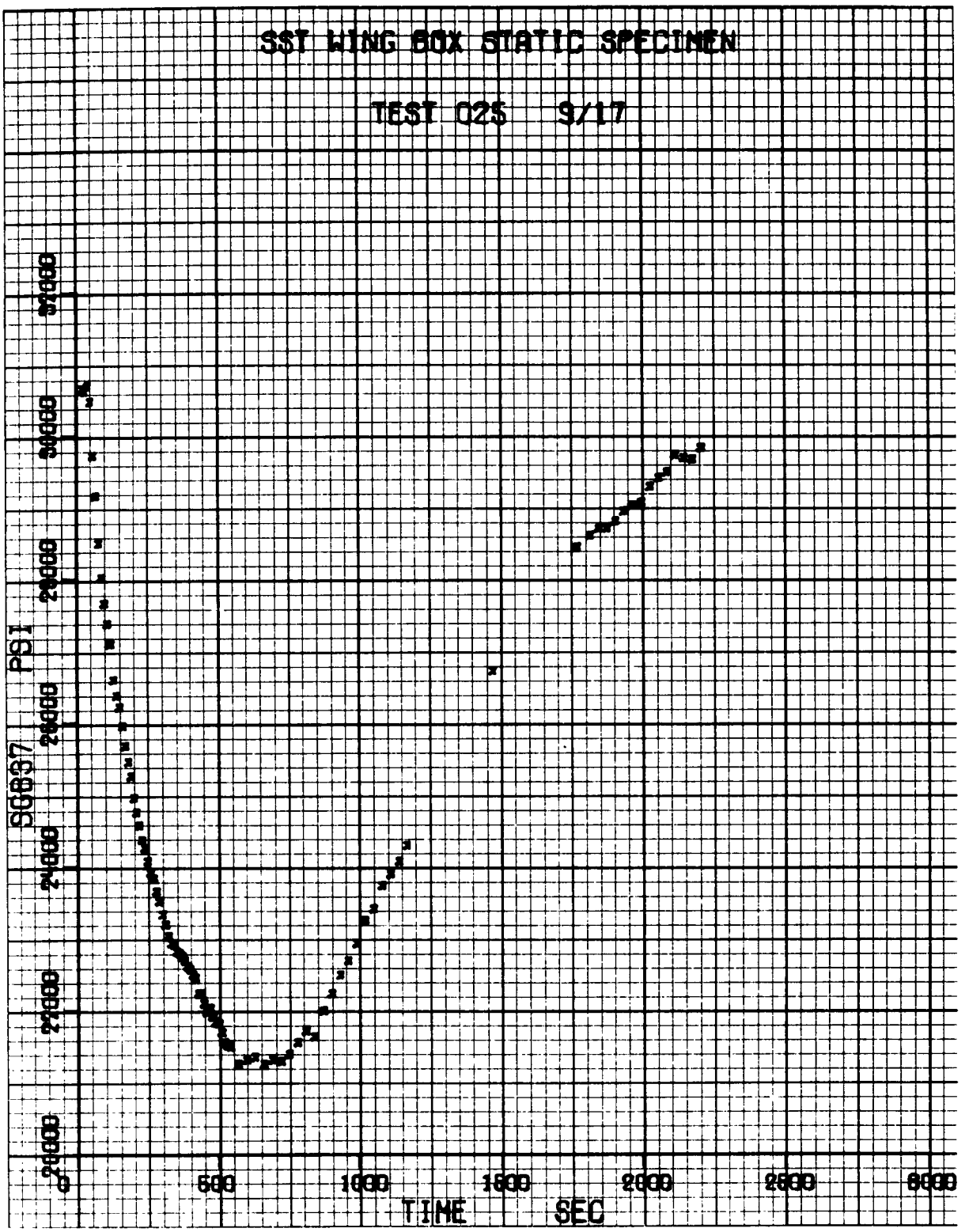
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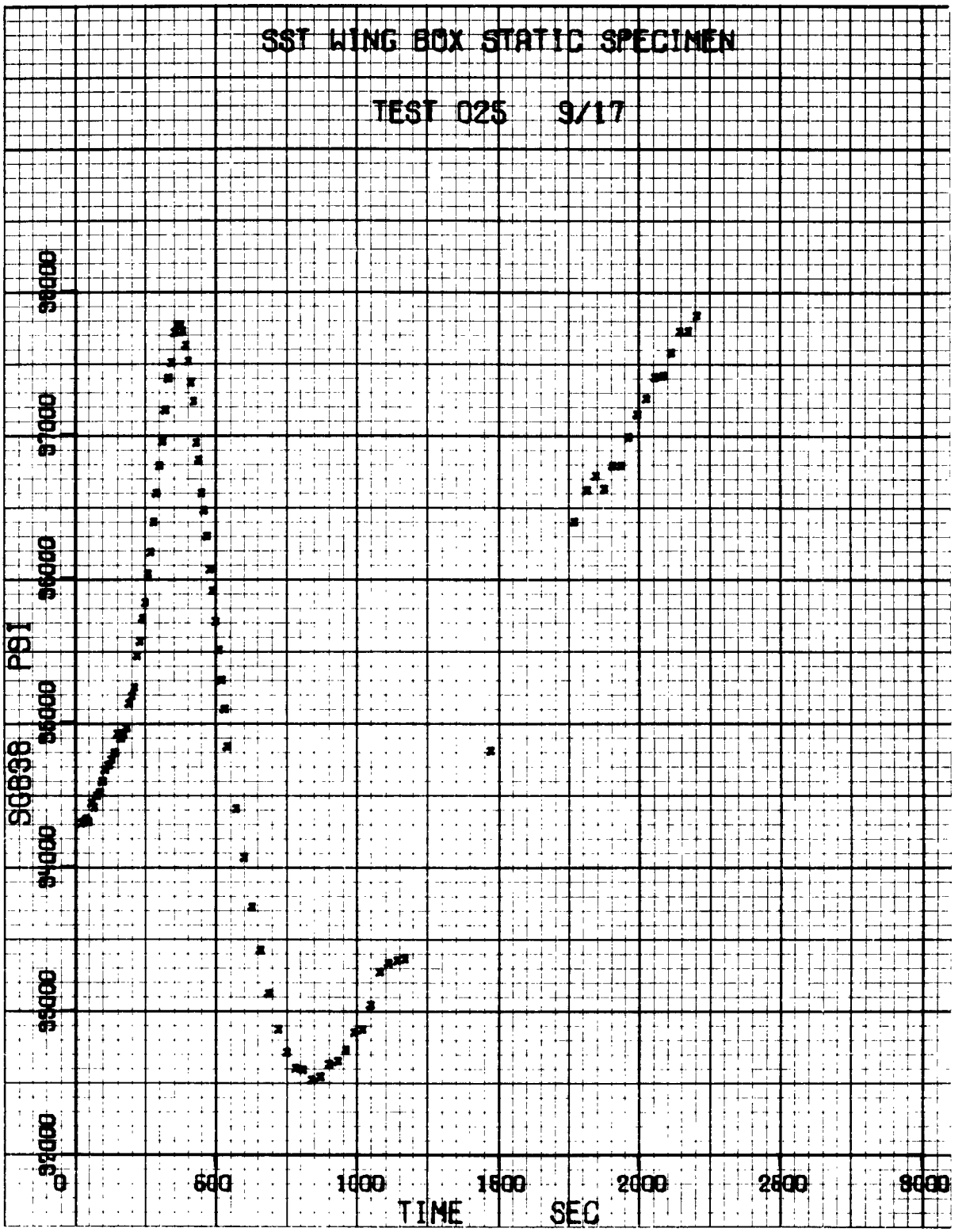
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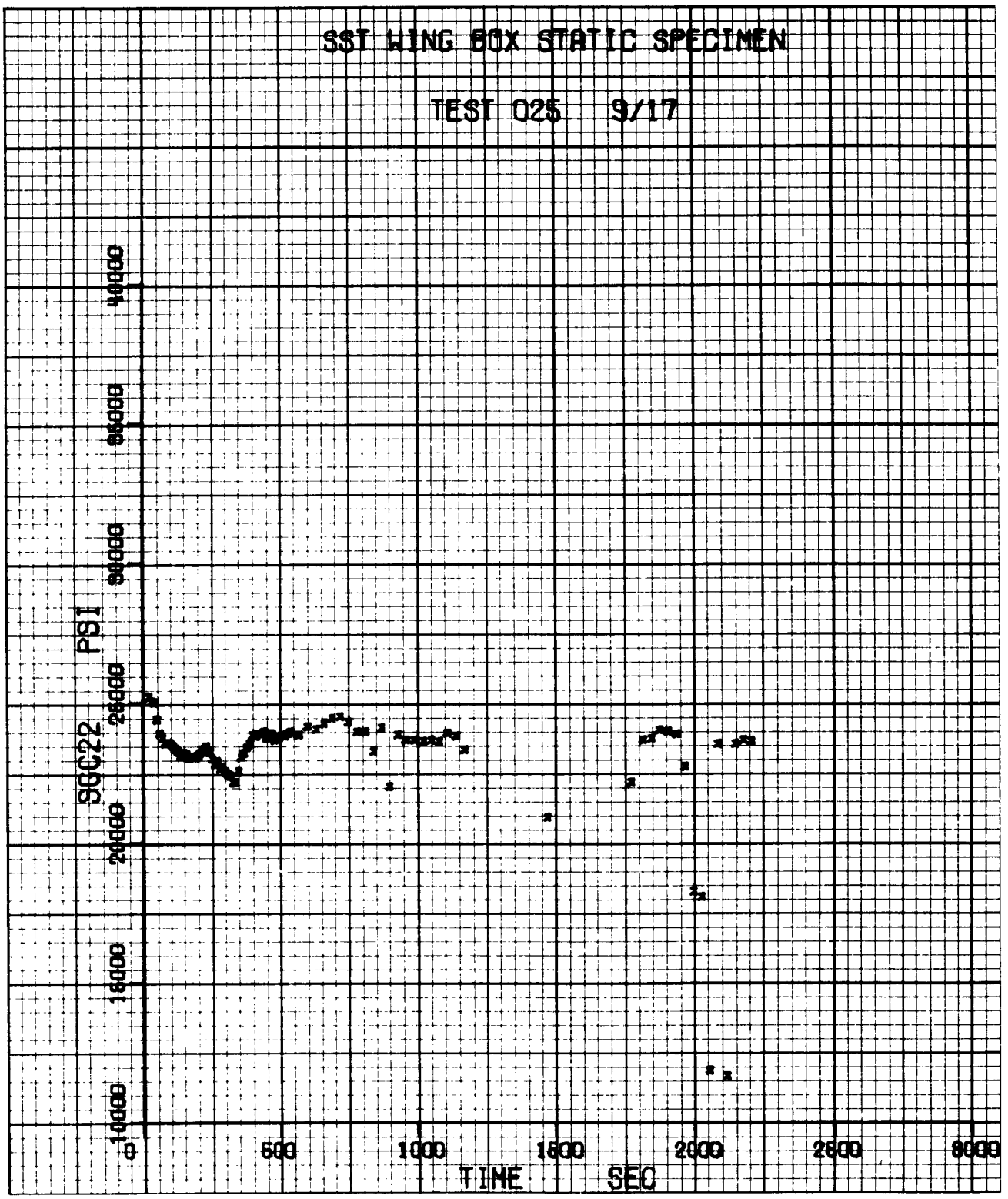
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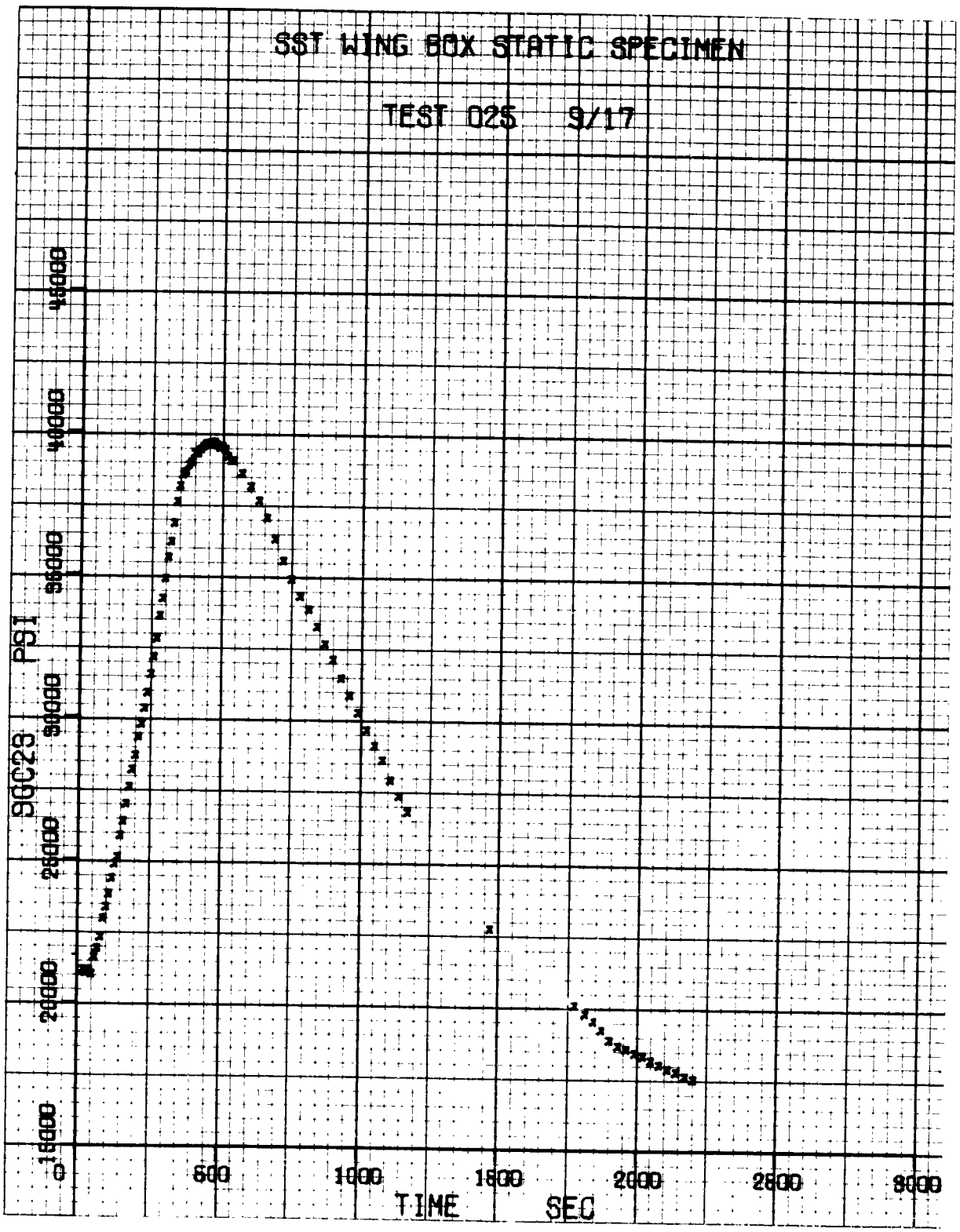
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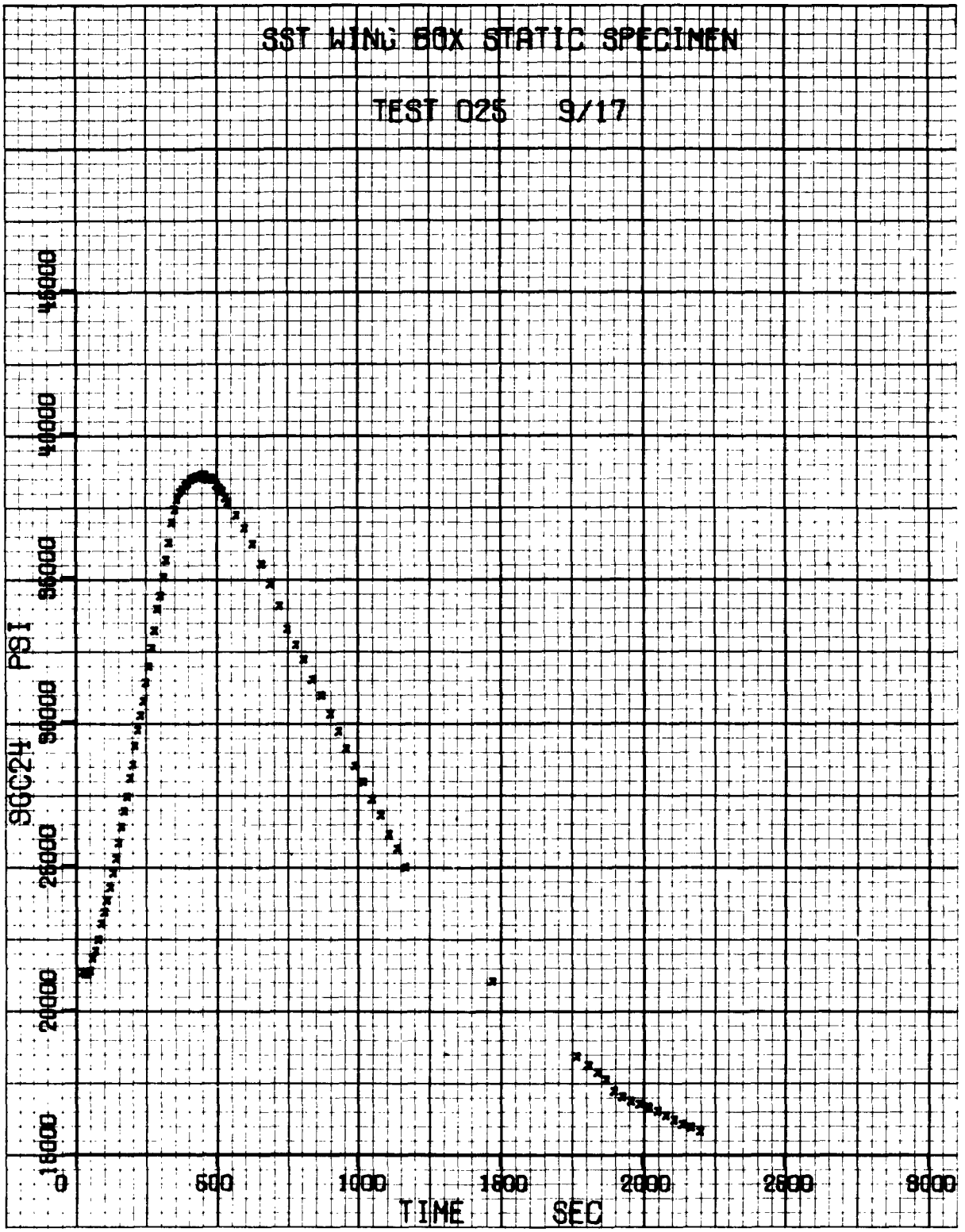
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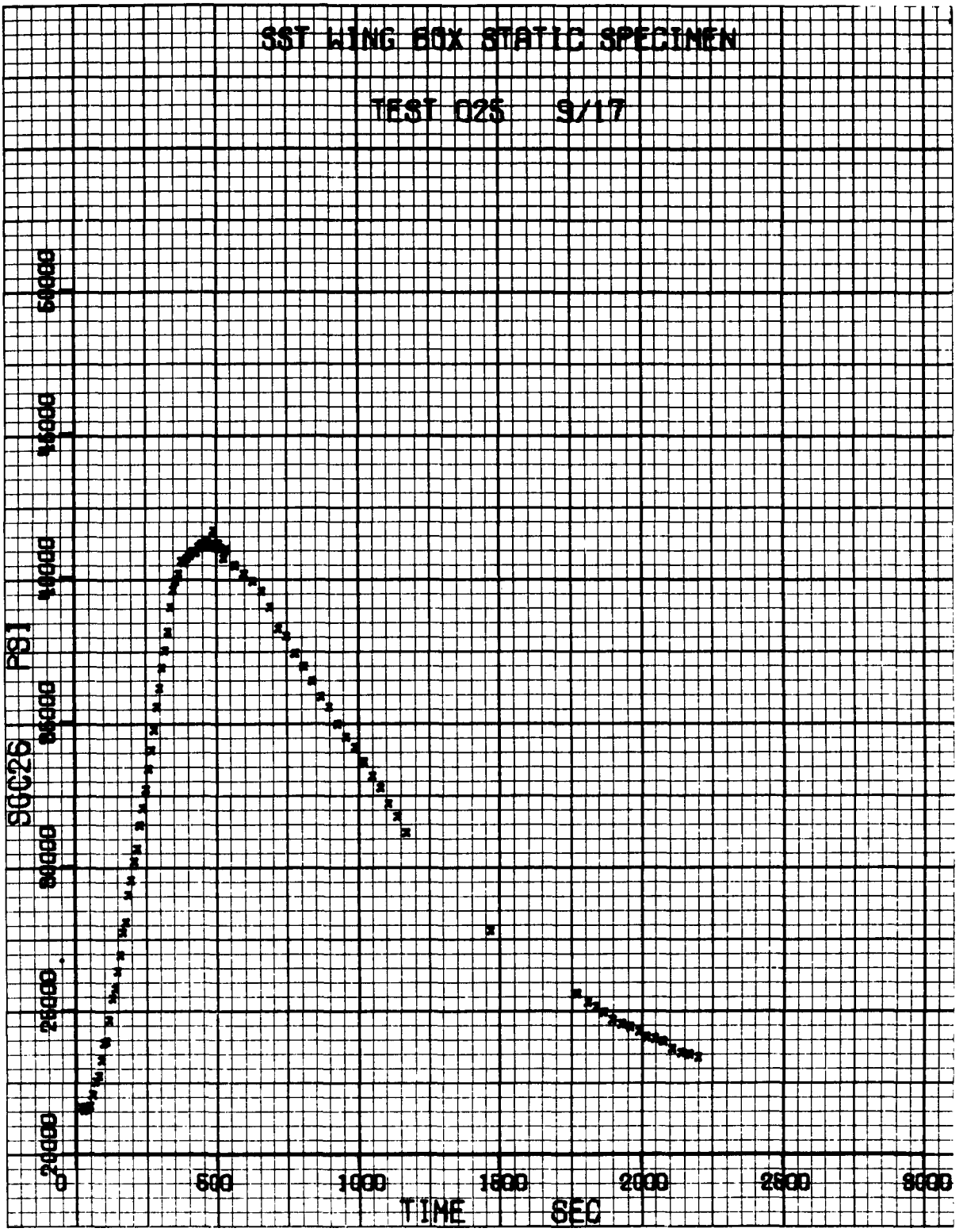
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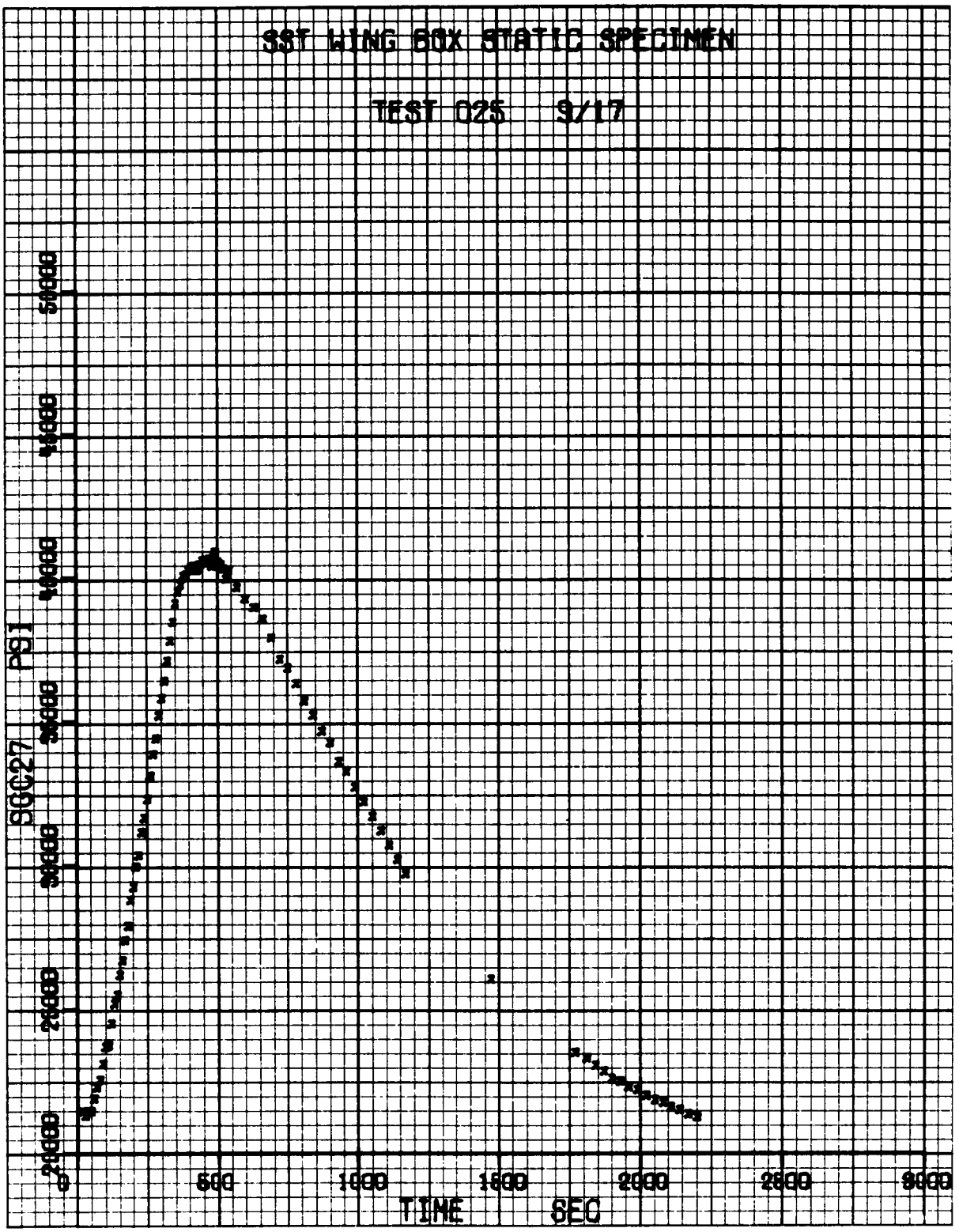
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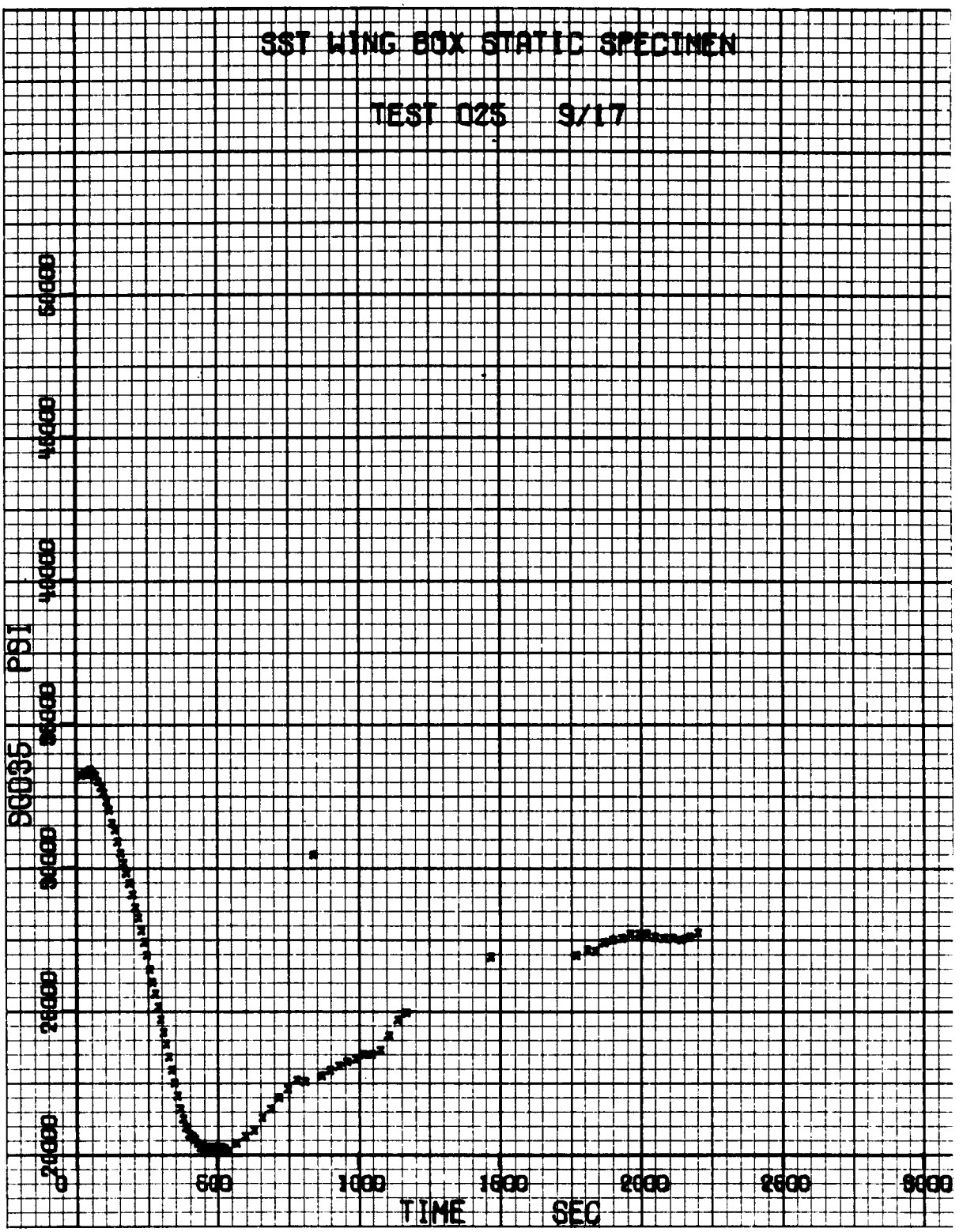
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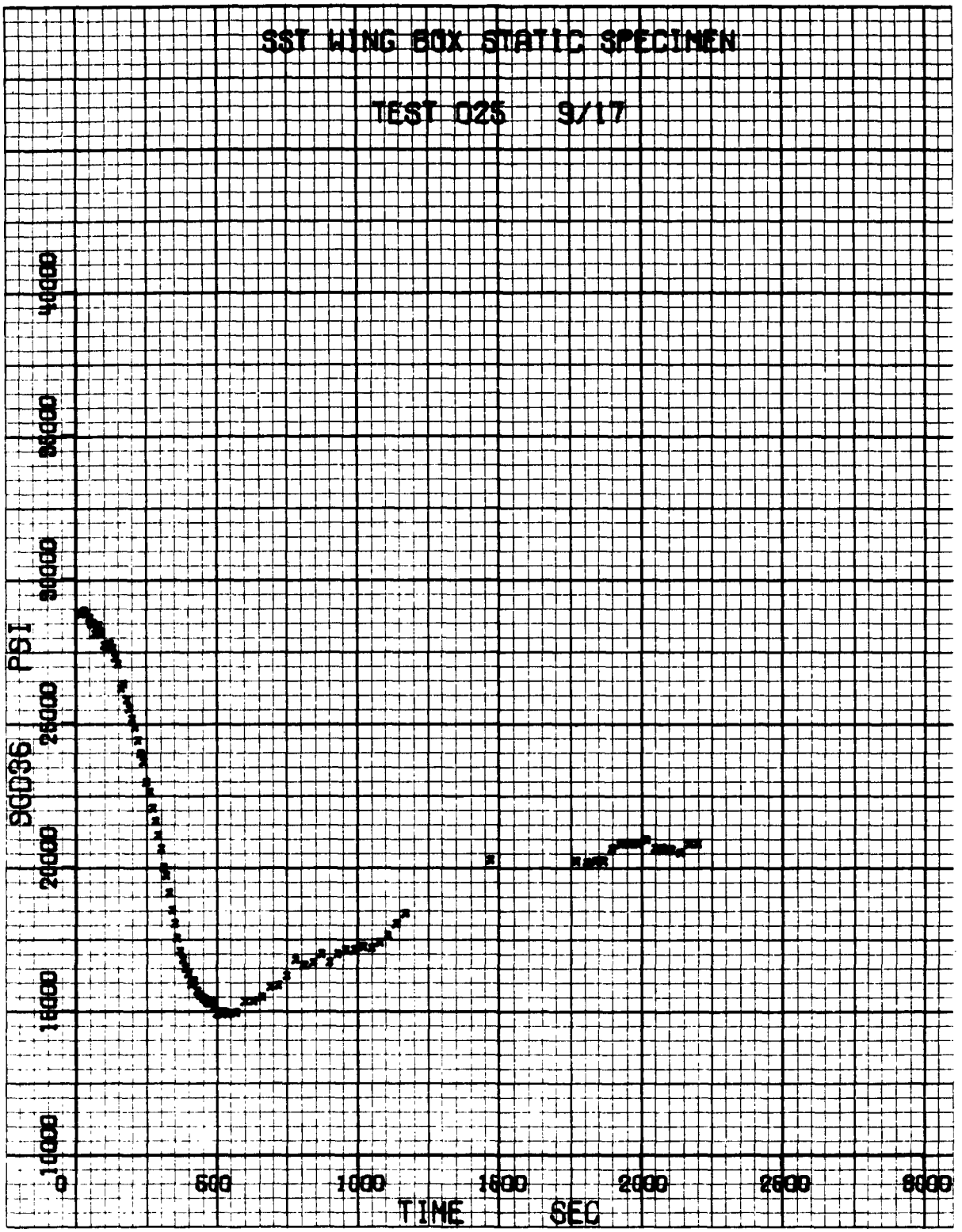
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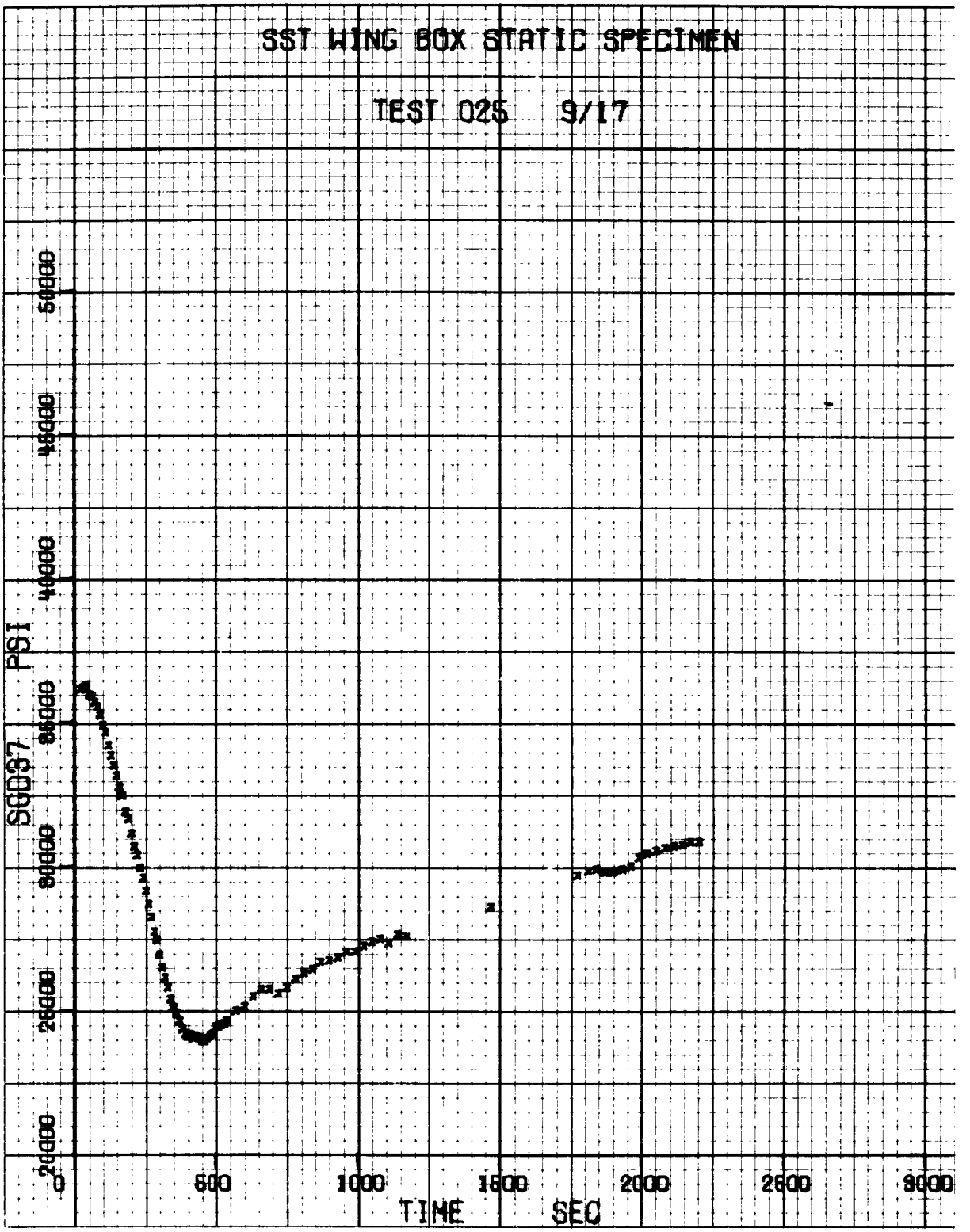
TIME SEC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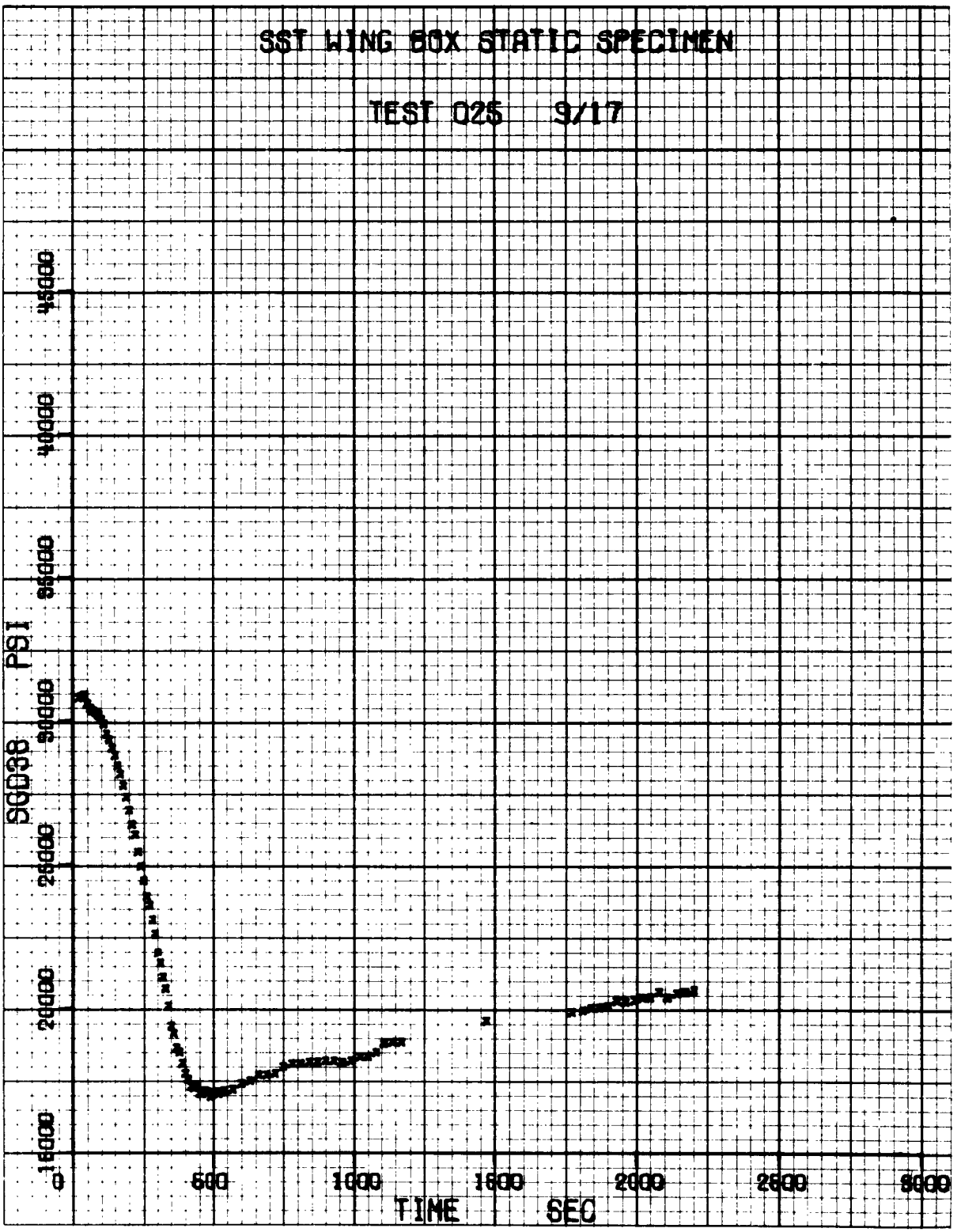
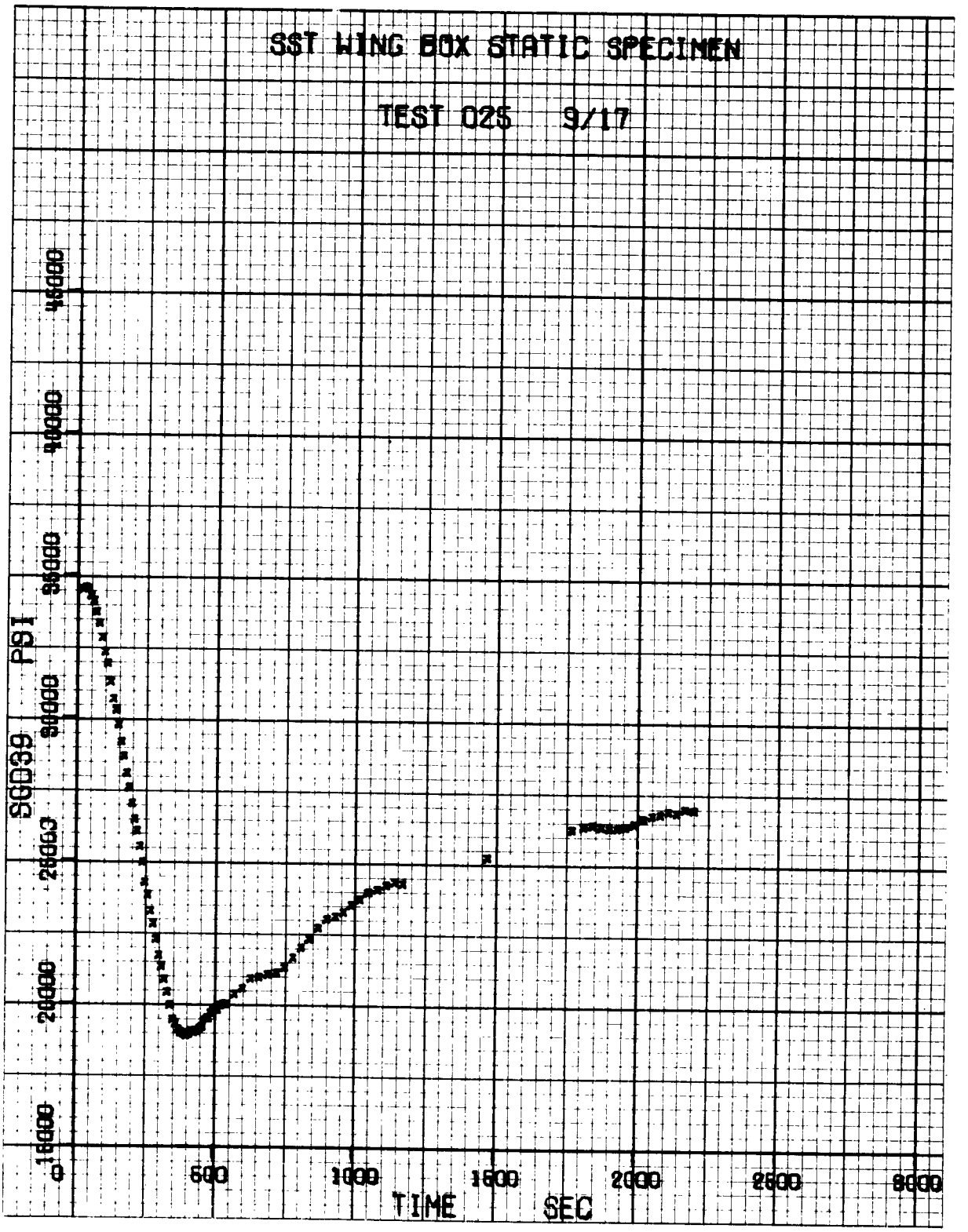
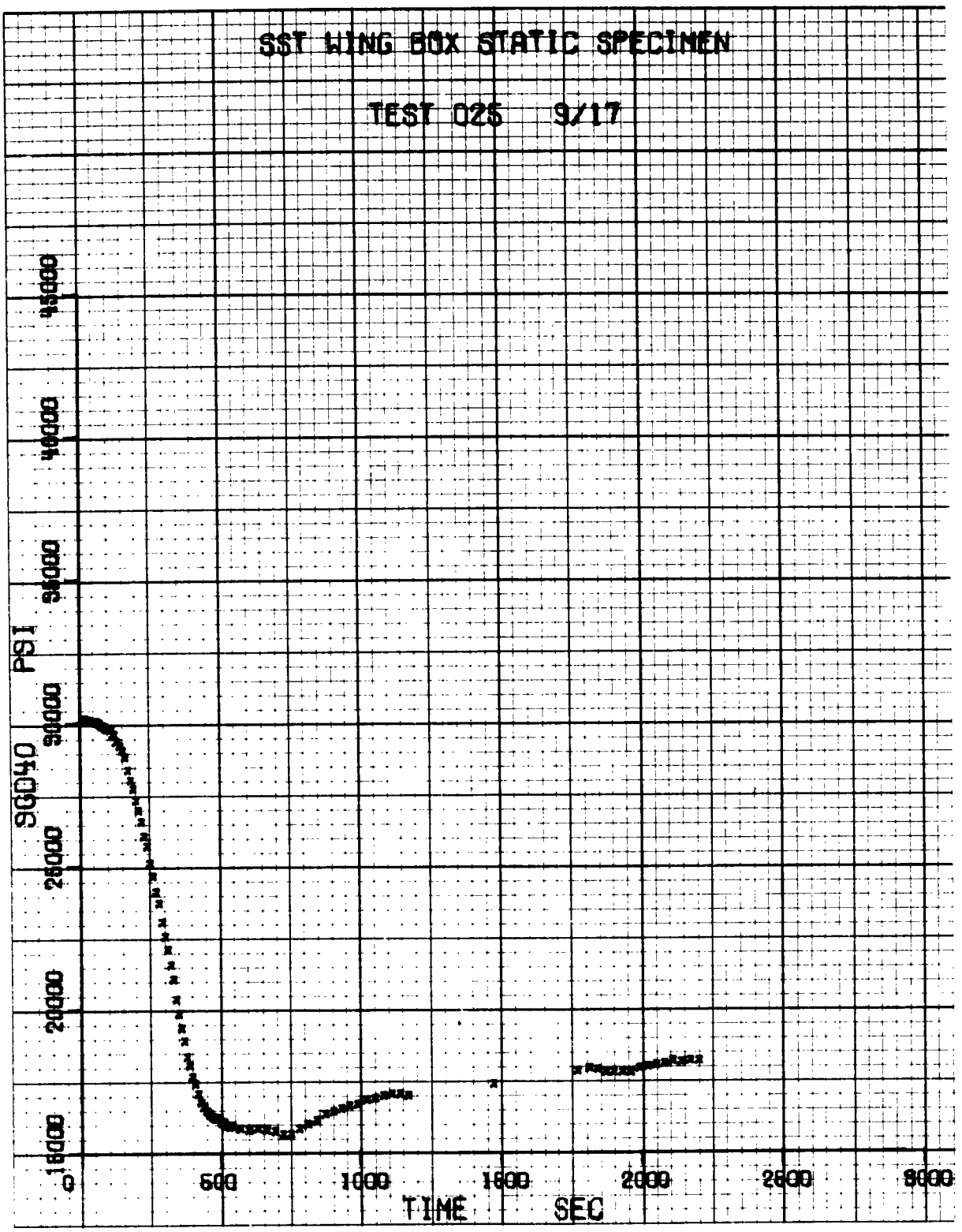
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 025 9/17
SG038 PSI
45000
40000
35000
30000
25000
20000
15000
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 025 9/17
SG039 PSI
45000
40000
35000
30000
25000
20000
16000
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 025 9/17
SGD40 PSI
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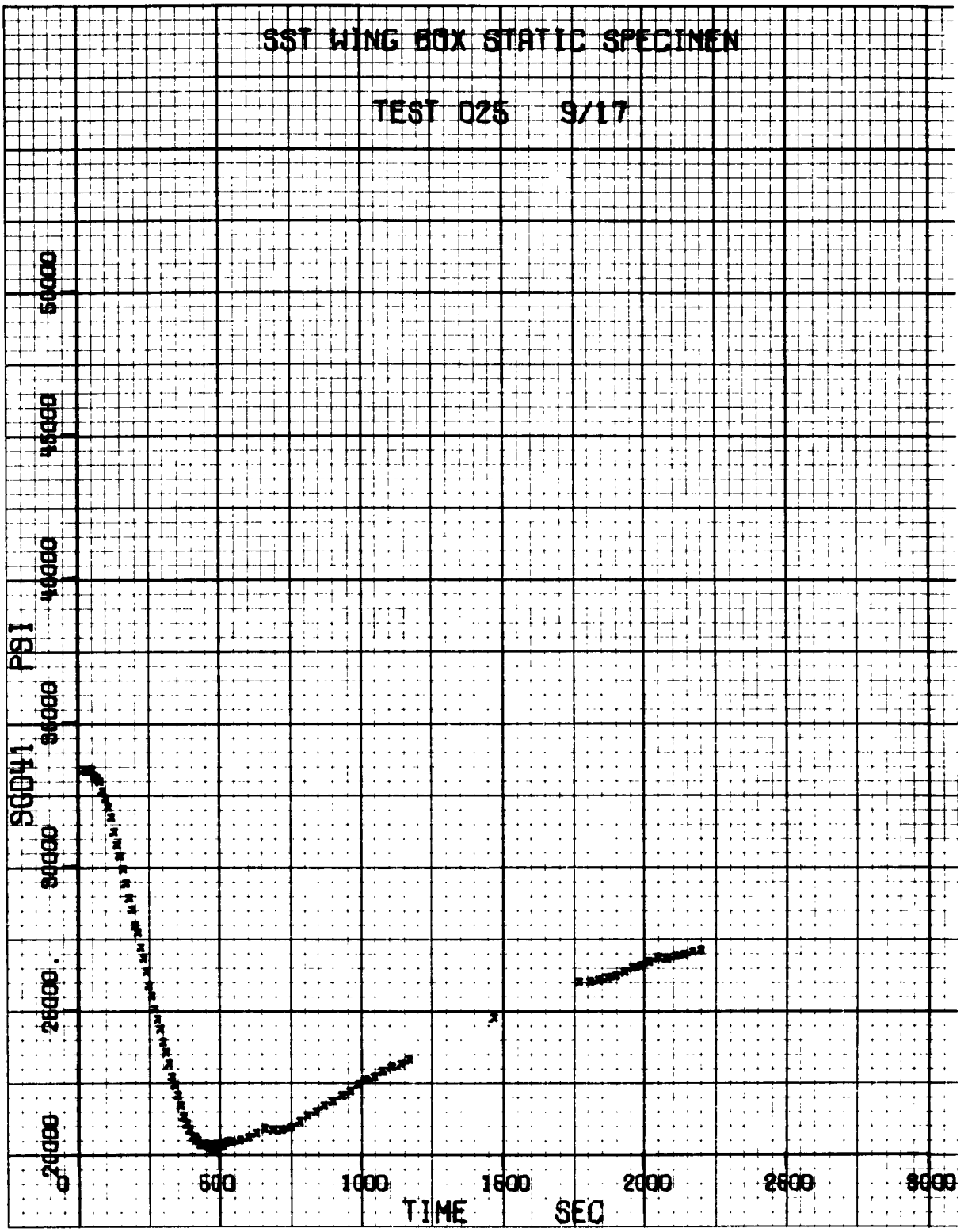
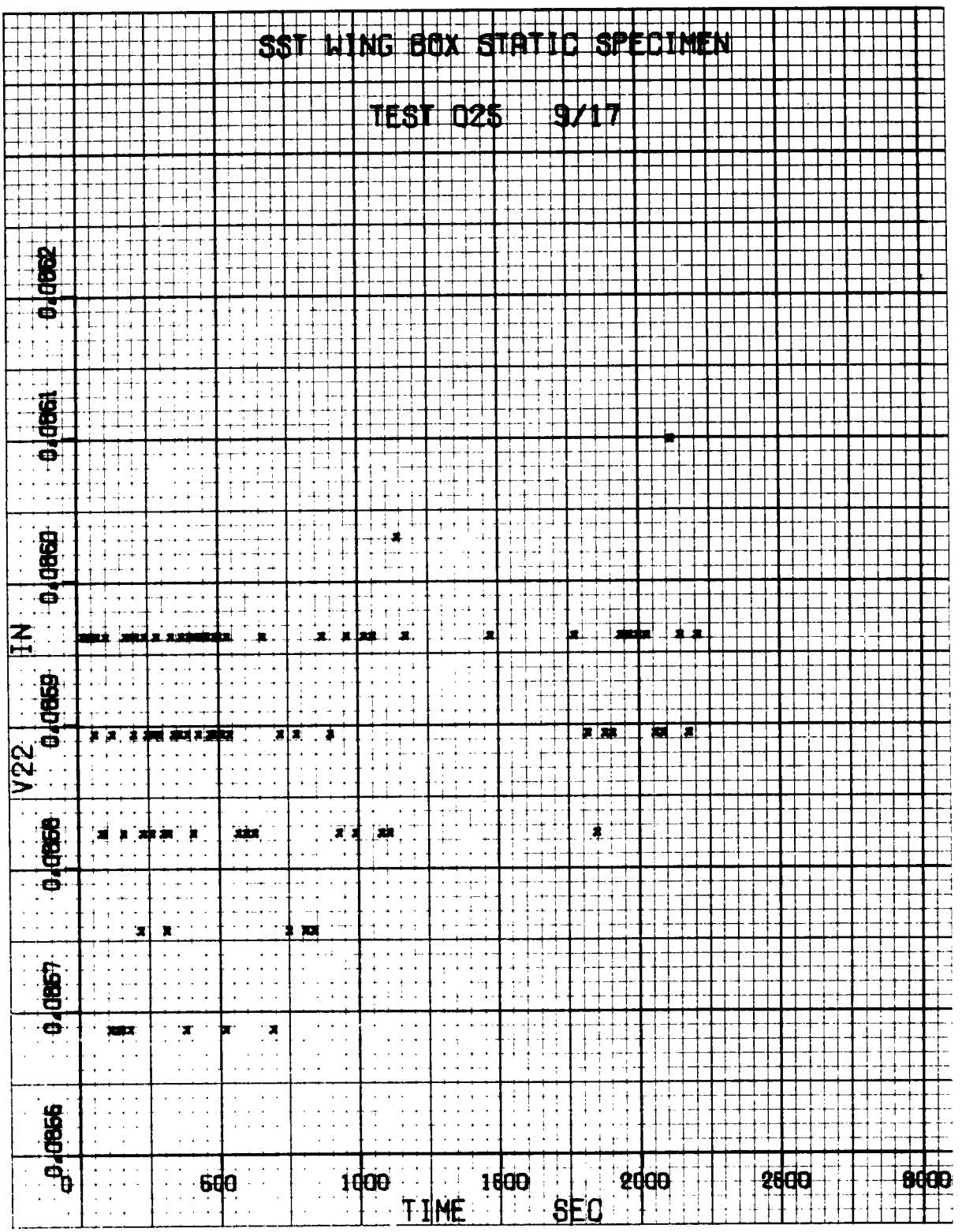
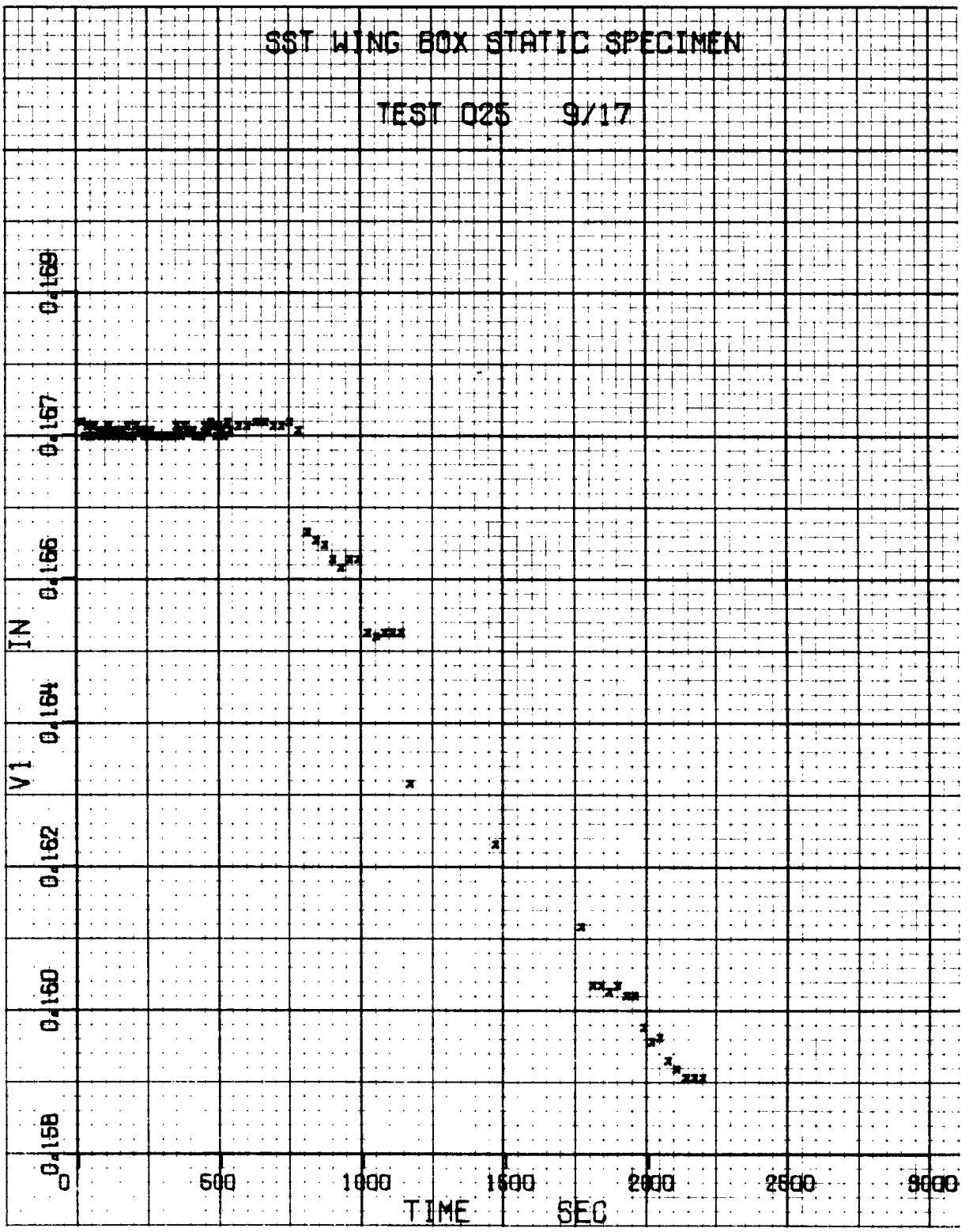
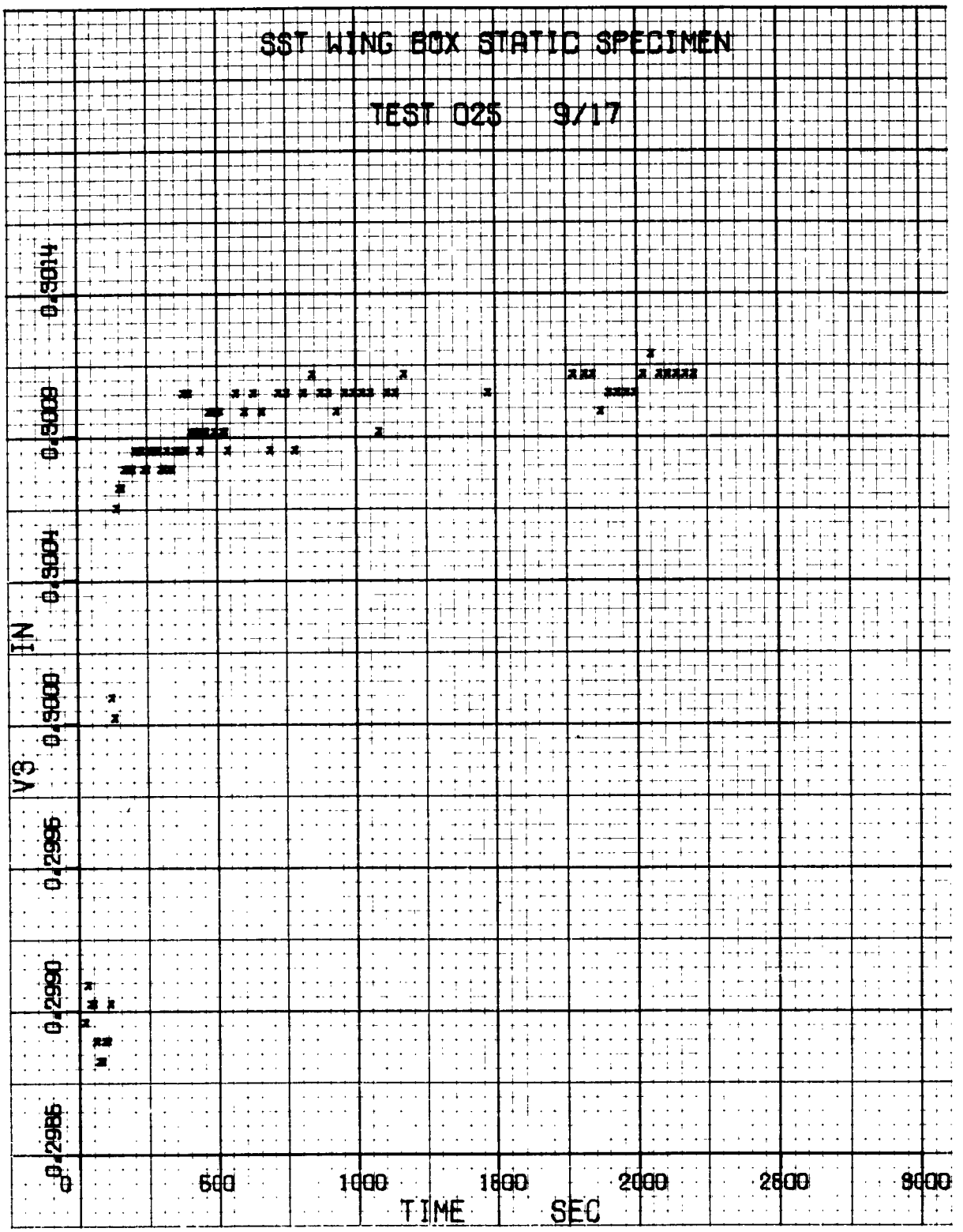
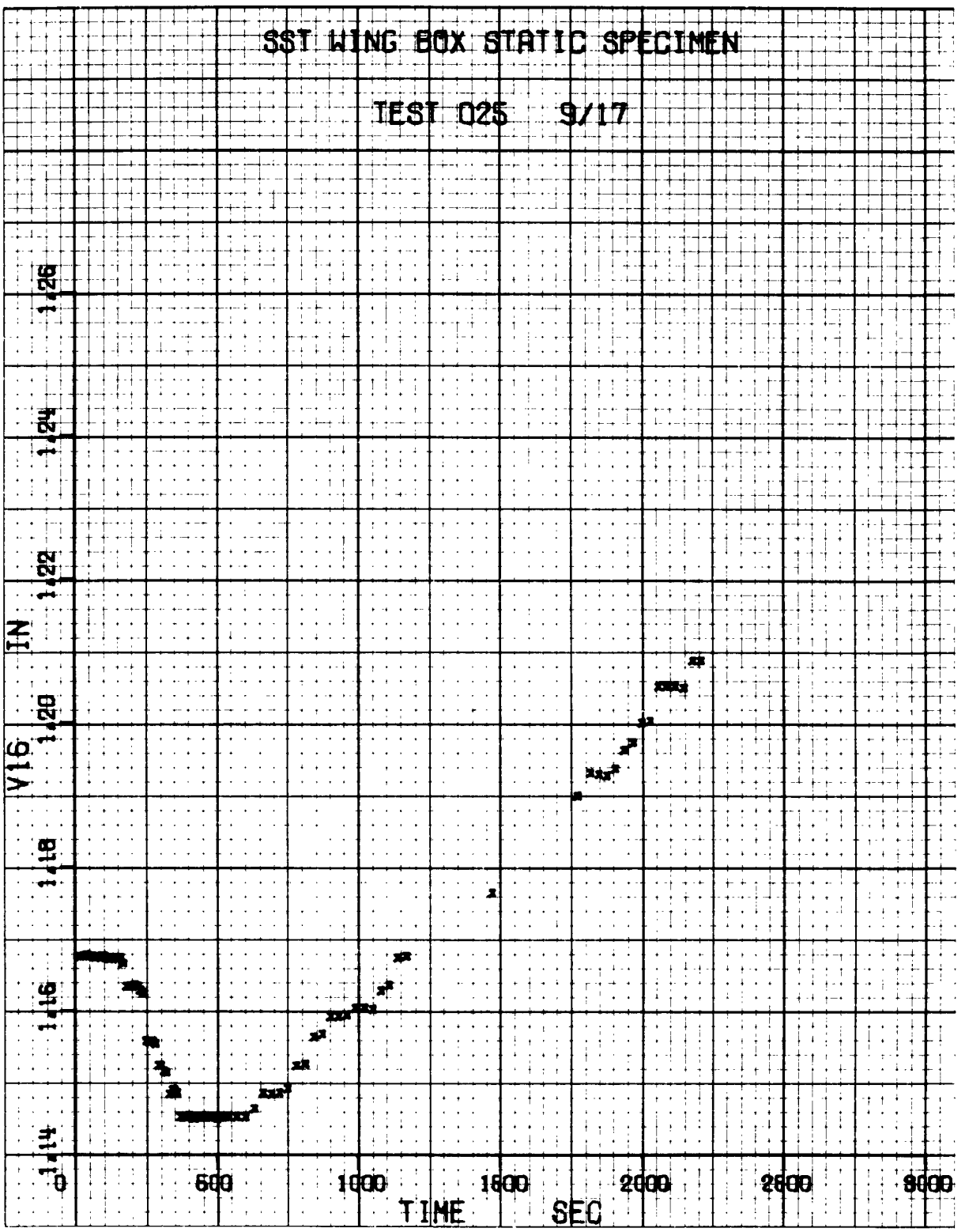
35000
30000
25000
20000
15000
0
500
1000
1500
2000
2500
3000
TIME SEC

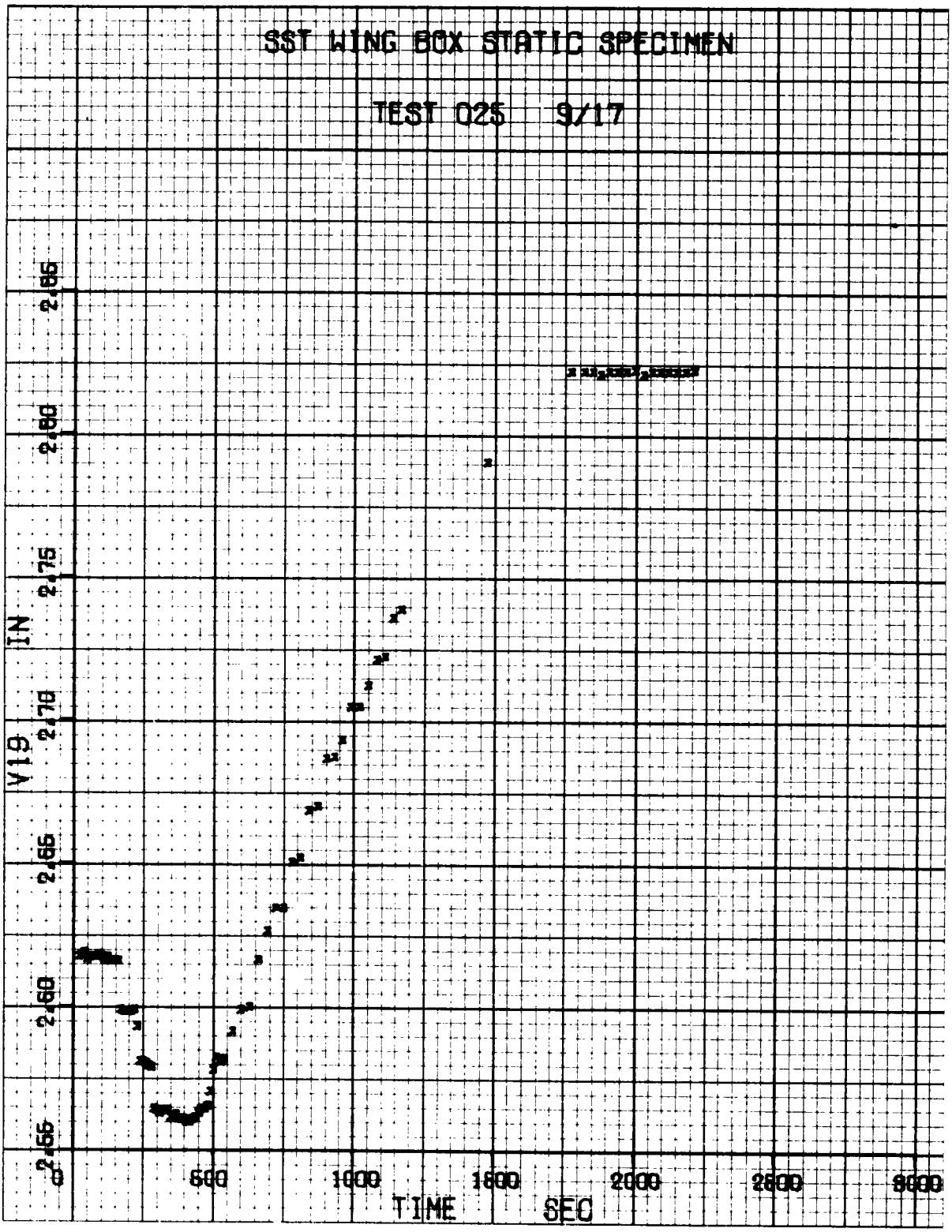

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
SGD41 PSI
60000
40000
40000
30000
20000
20000
0
500
1000
1500
2000
2500
3000
TIME SEC

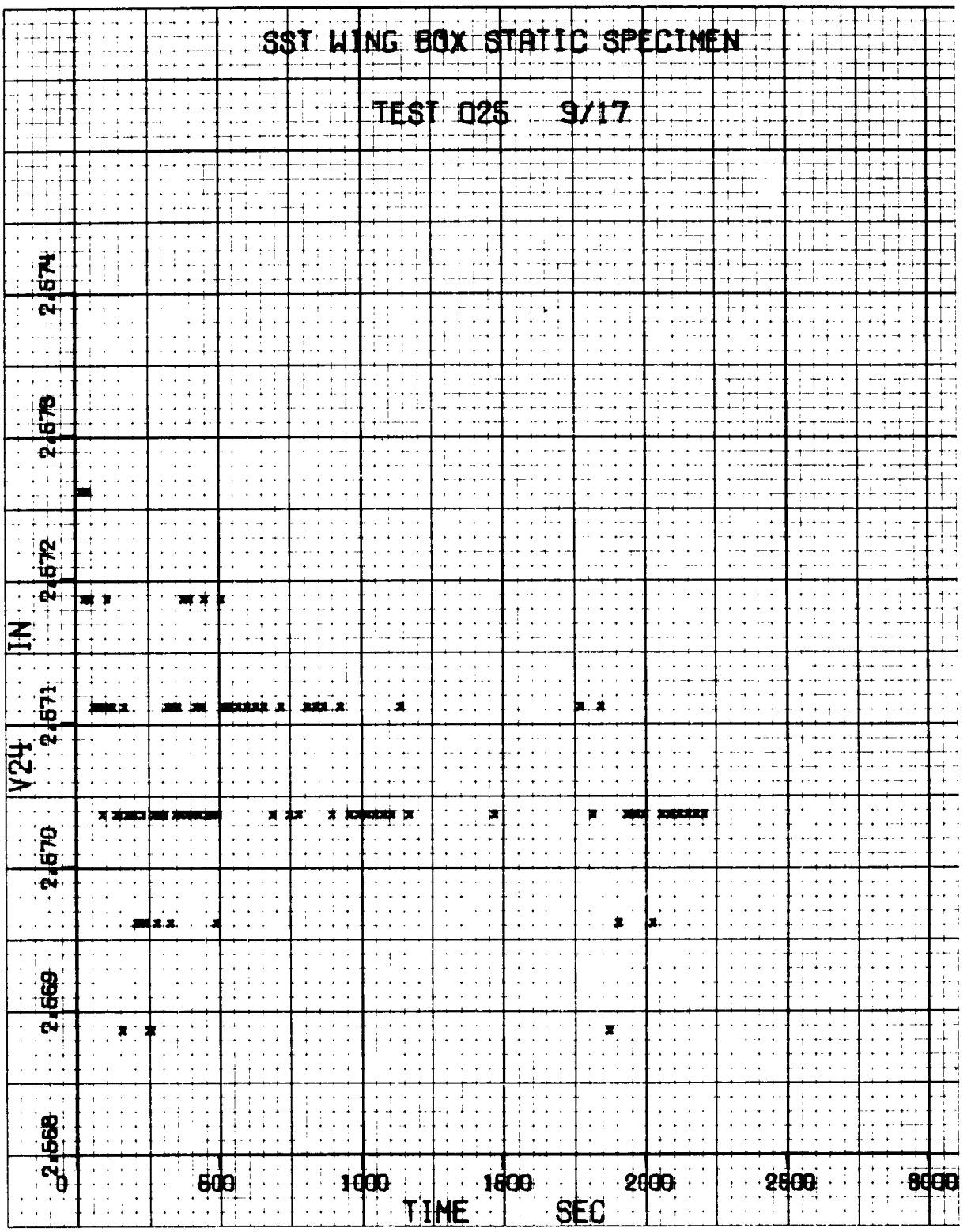

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V22
IN
0.0862
0.0861
0.0860
0.0859
0.0858
0.0857
0.0856
0
600
1000
1600
2000
2600
8000
TIME SEC

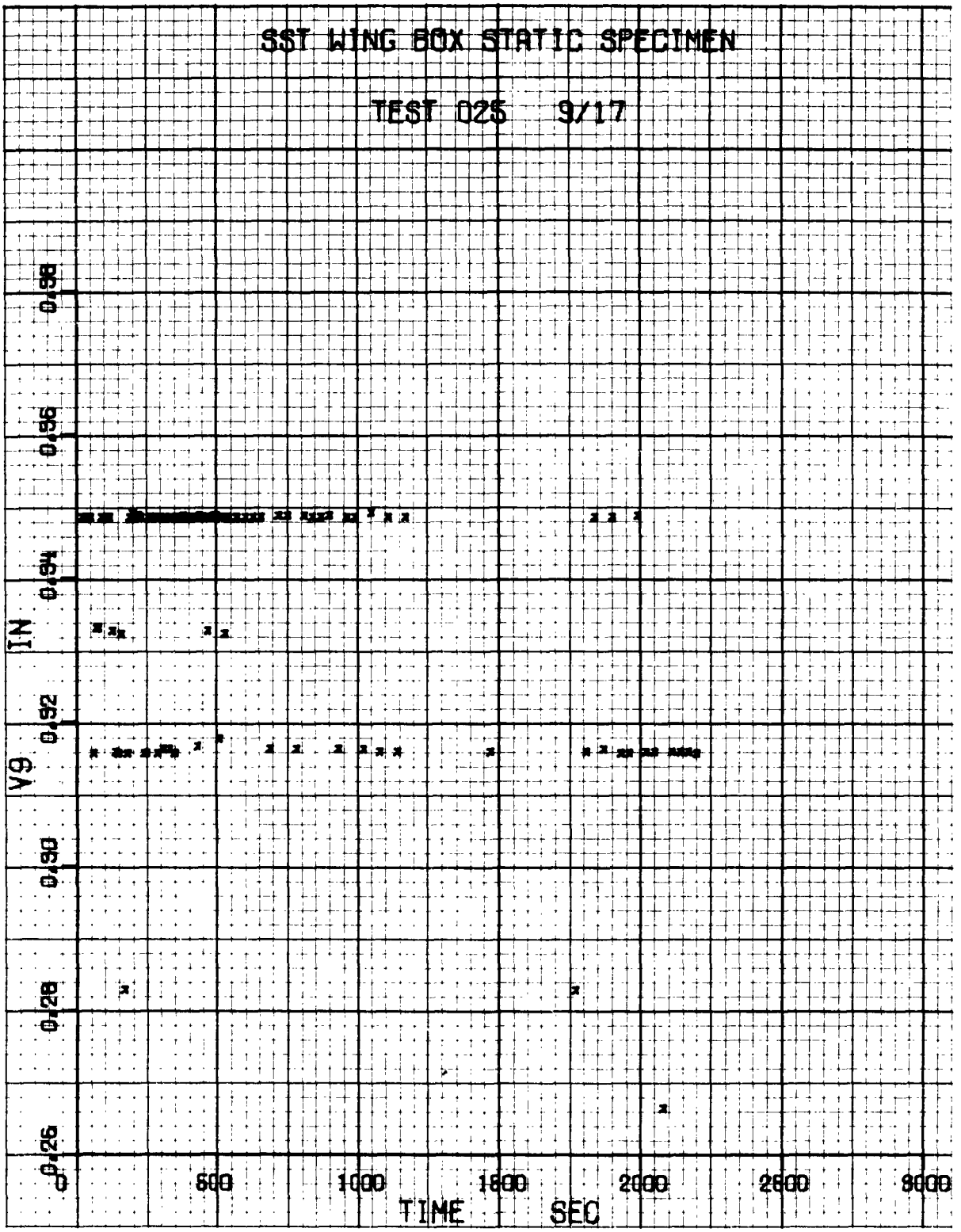

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V1 IN
0.169
0.167
0.166
0.164
0.162
0.160
0.158
0
600
1000
1500
2000
2500
3000
TIME SEC

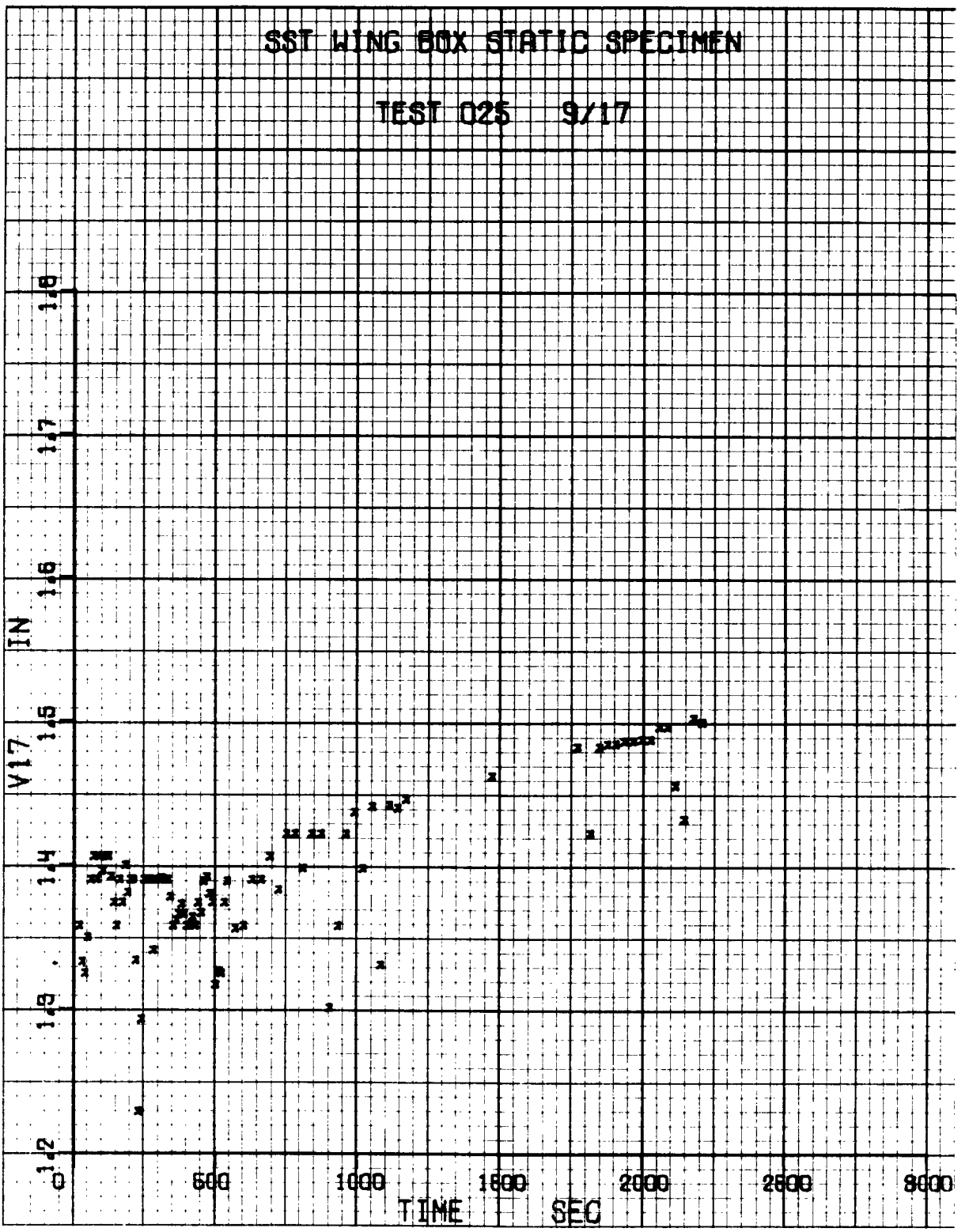

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V3 IN
0.3014
0.3009
0.3004
0.3000
0.2995
0.2990
0.2986
0
600
1000
1600
2000
2600
3000
TIME SEC

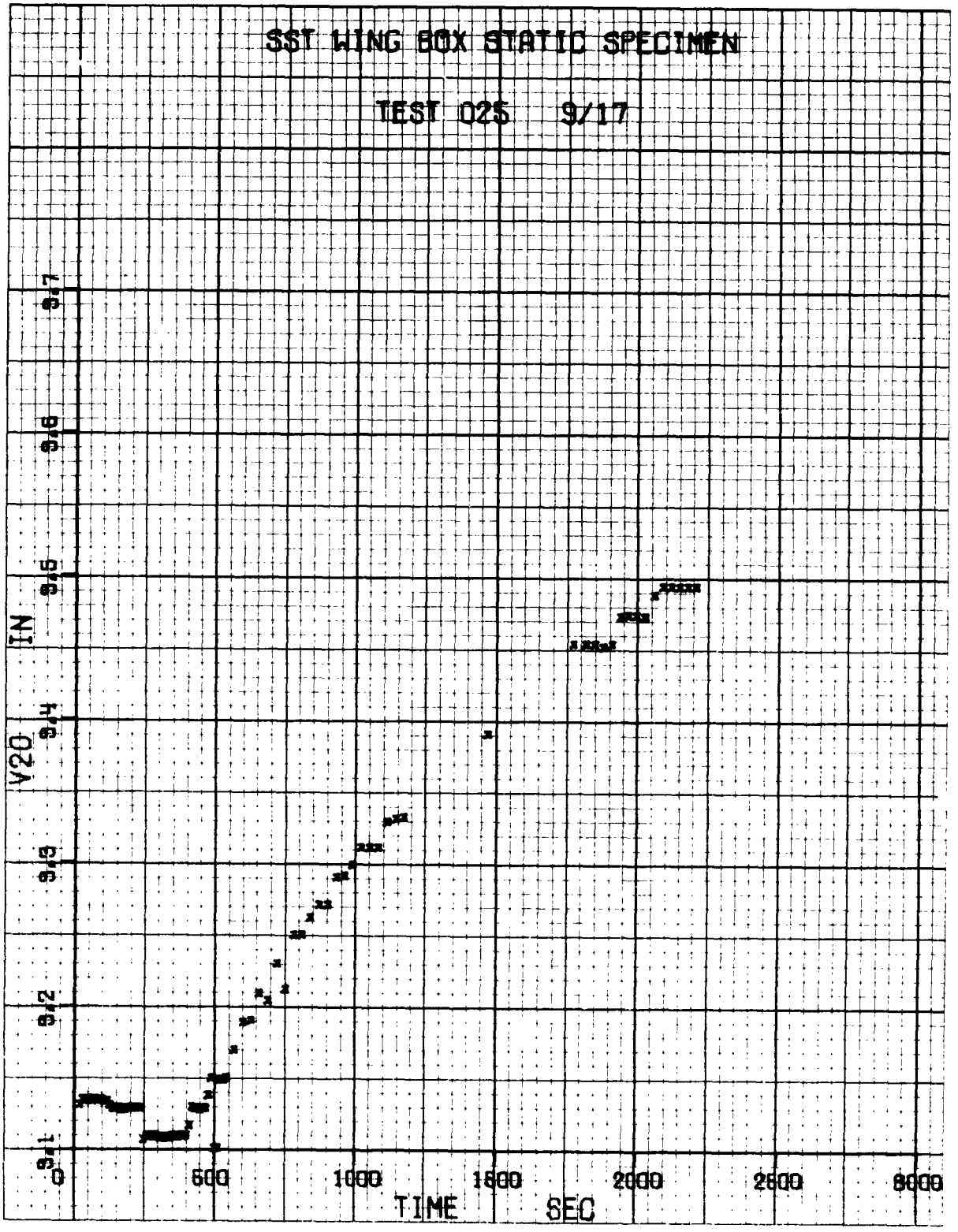

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V16 IN
1.26
1.24
1.22
1.20
1.18
1.16
1.14
0
600
1000
1600
2000
2600
3000
TIME SEC

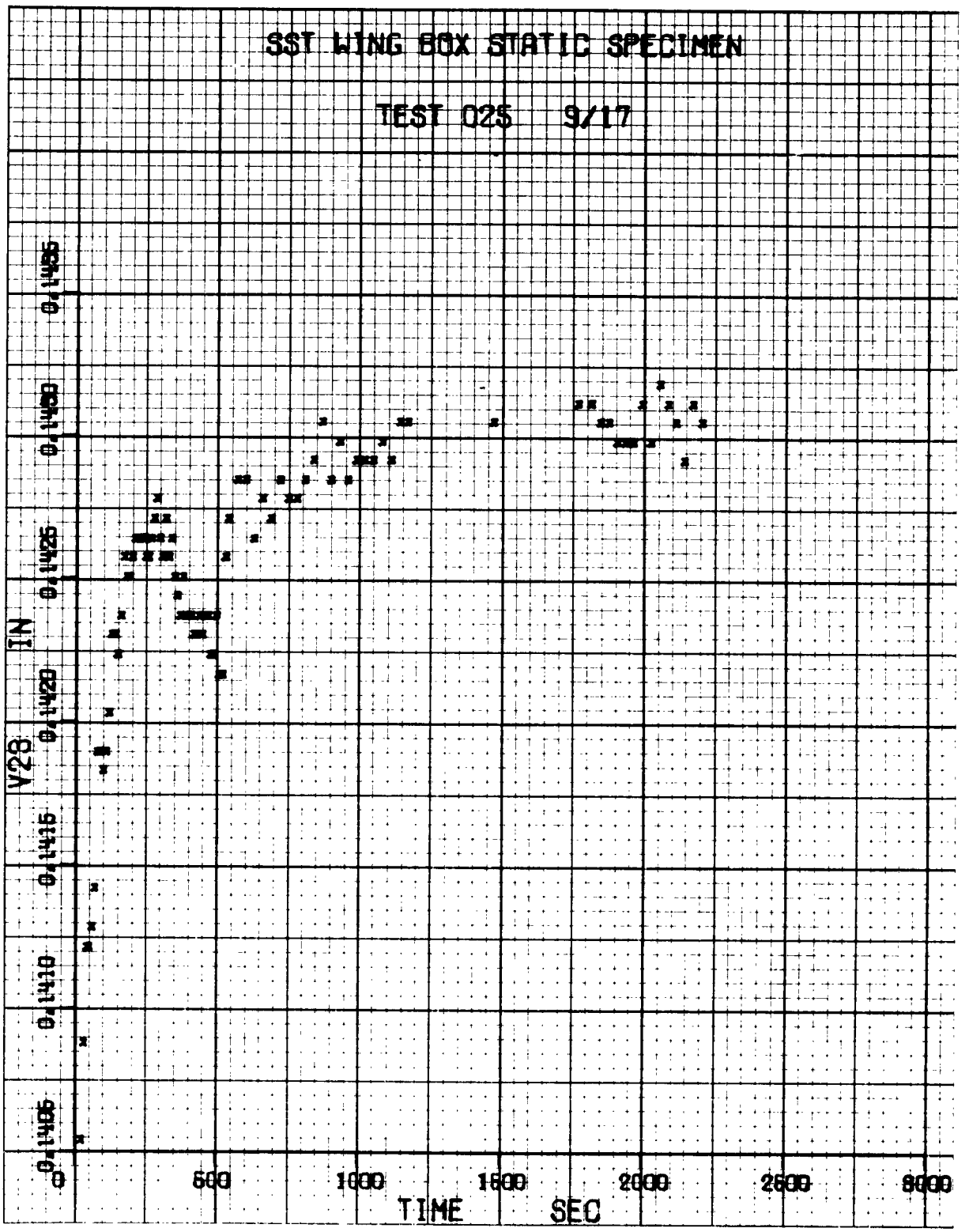

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V19
IN
2.85
2.80
2.75
2.70
2.65
2.60
2.55
0
500
1000
1500
2000
2500
3000
TIME
SEC

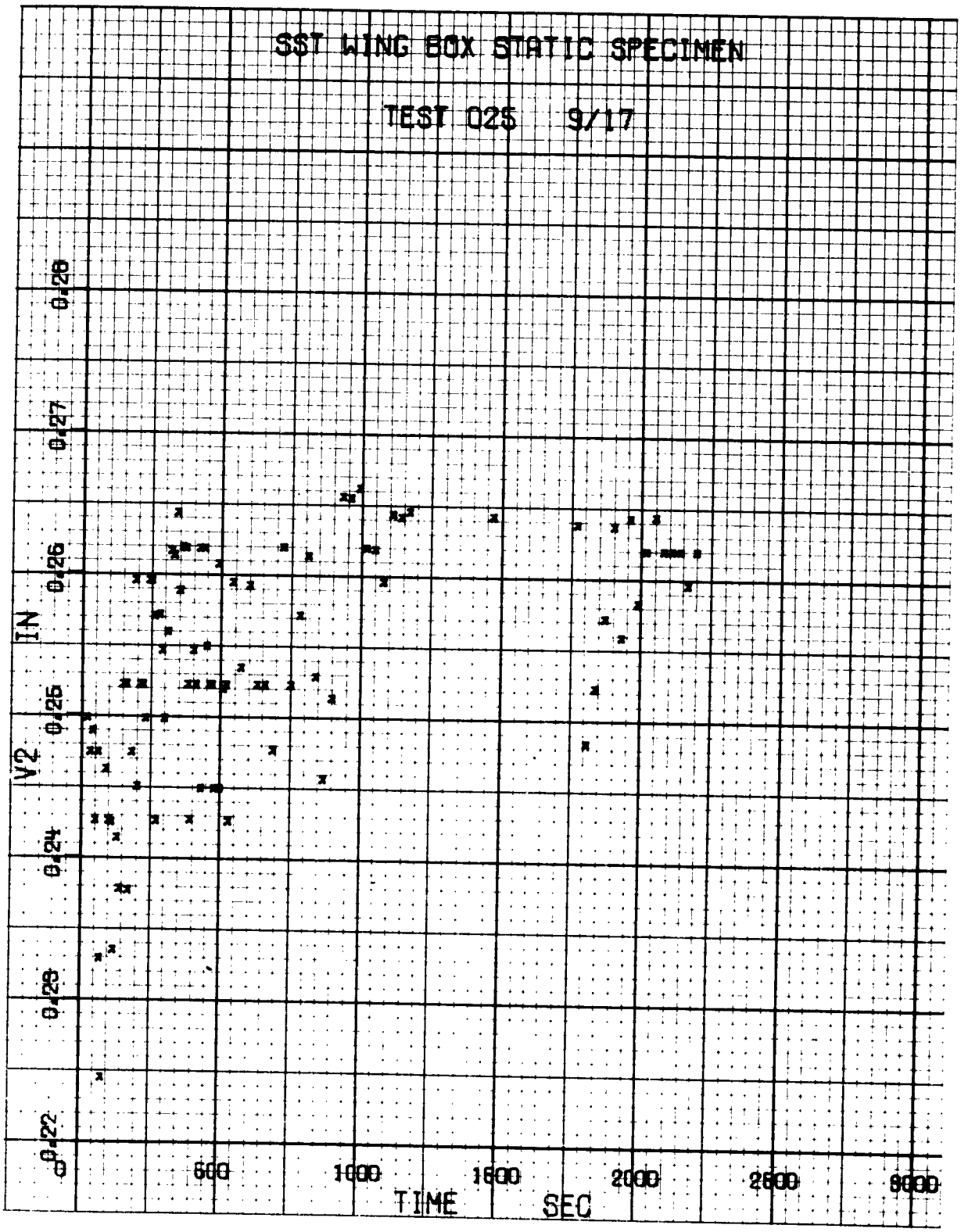

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V24
IN
2.674
2.673
2.672
2.671
2.670
2.669
2.668
0
600
1000
1800
2000
2600
3000
TIME SEC

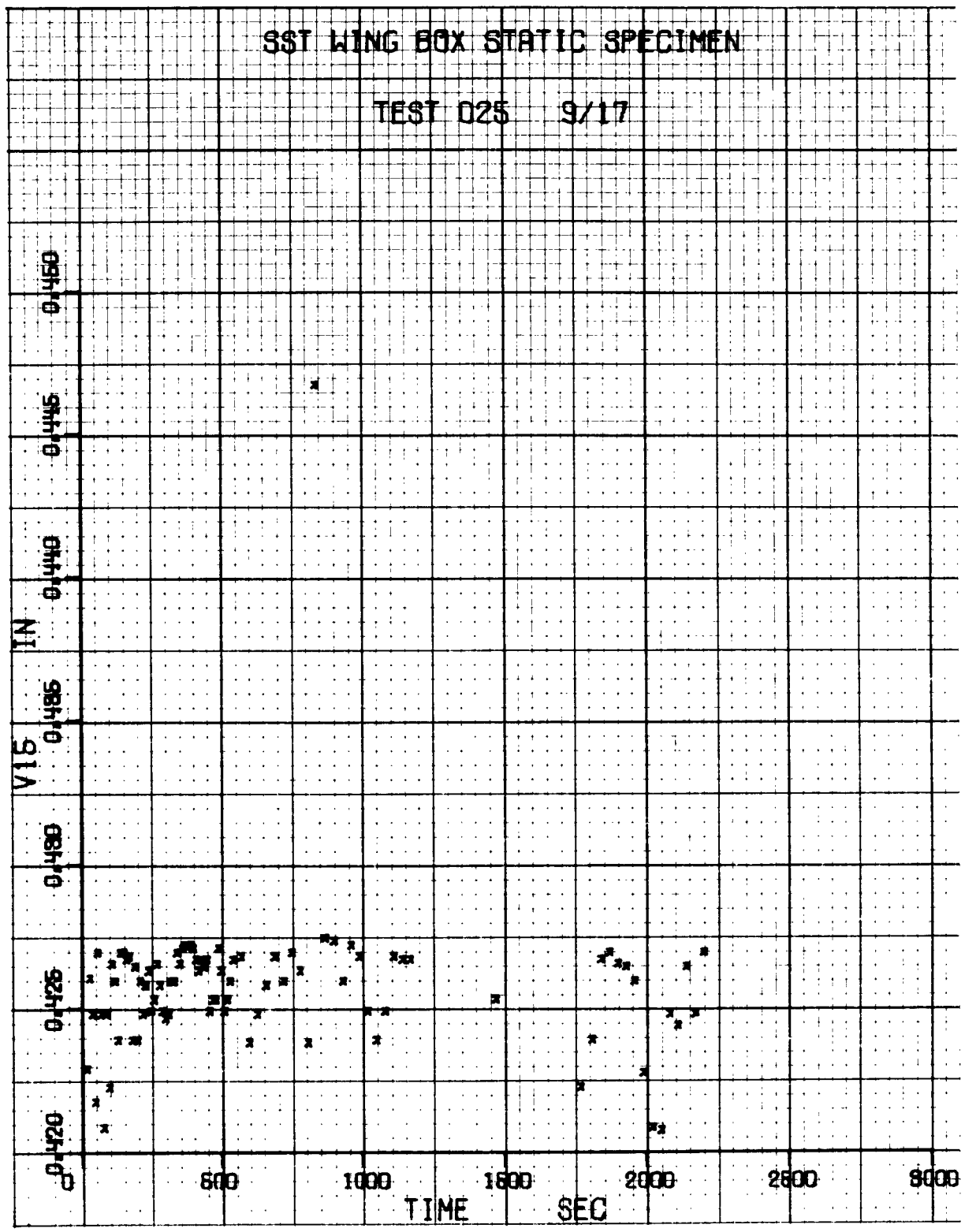

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
0.98
0.96
0.94
0.92
0.90
0.28
0.26
0
600
1000
1800
2000
2600
3000
TIME SEC
V9 IN

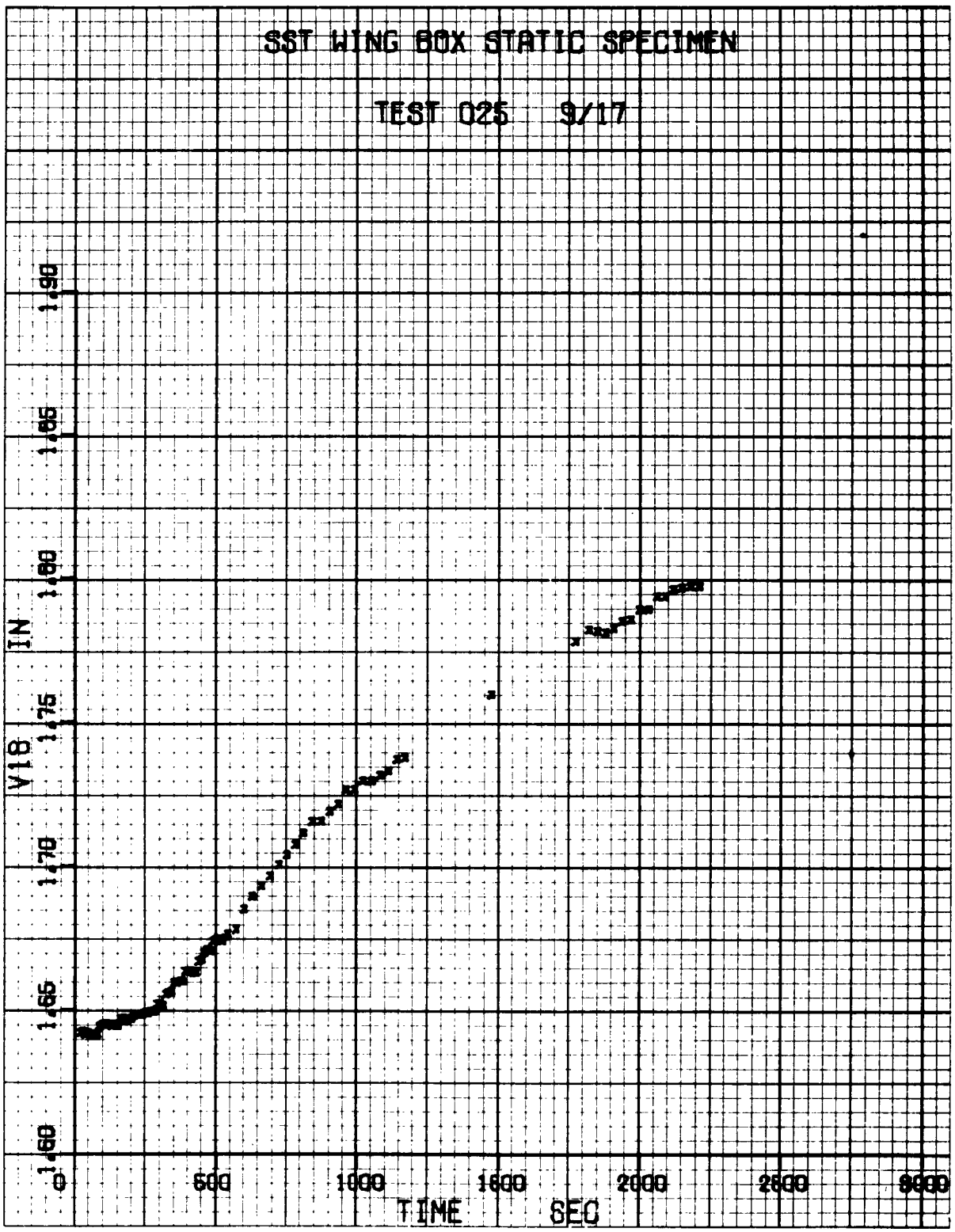

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V17 IN
1.2
1.3
1.4
1.5
1.6
1.7
1.8
0
500
1000
1500
2000
2500
3000
TIME SEC

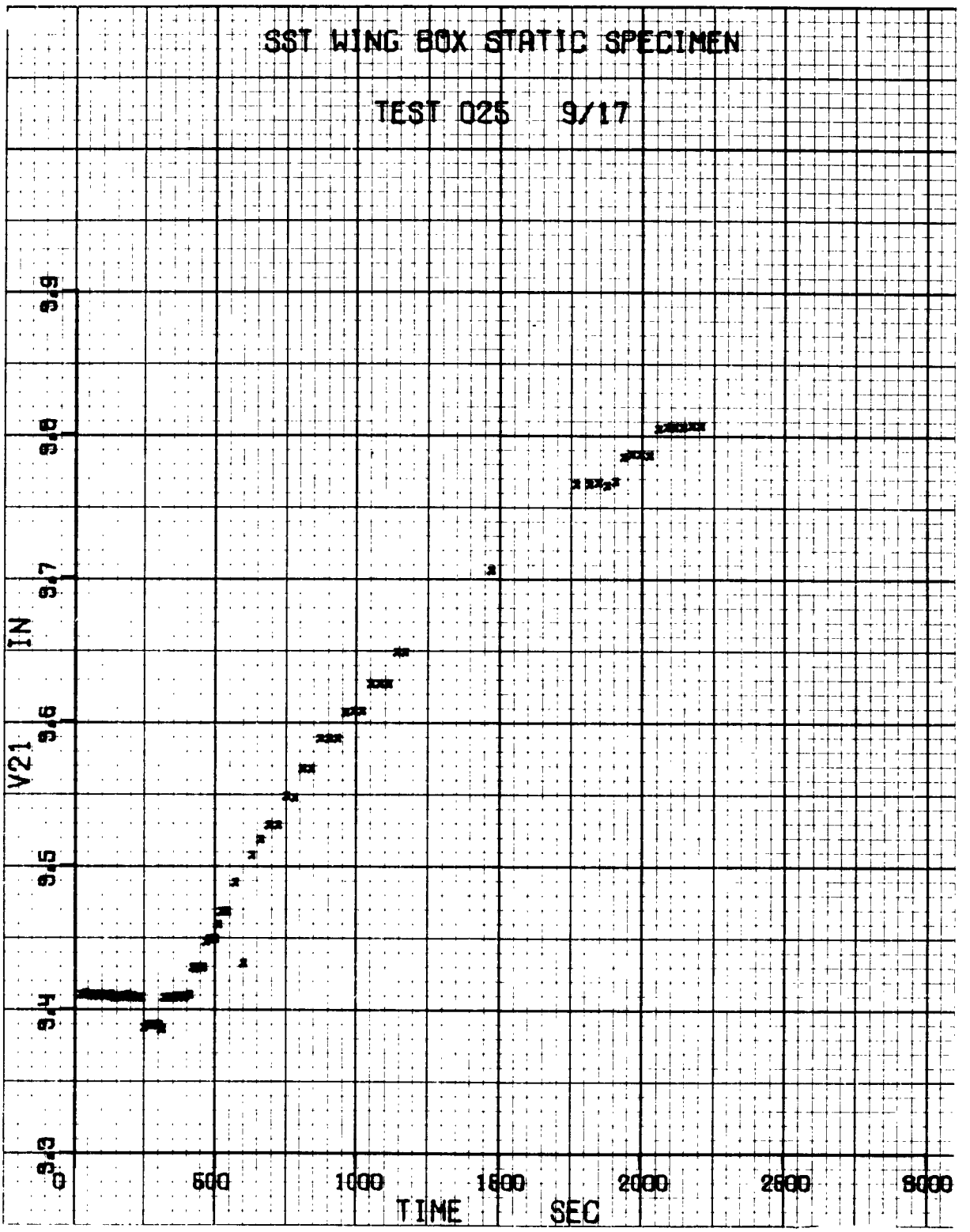

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V20 IN
3.7
3.6
3.5
3.4
3.3
3.2
3.1
0
600
1000
1500
2000
2500
3000
TIME SEC

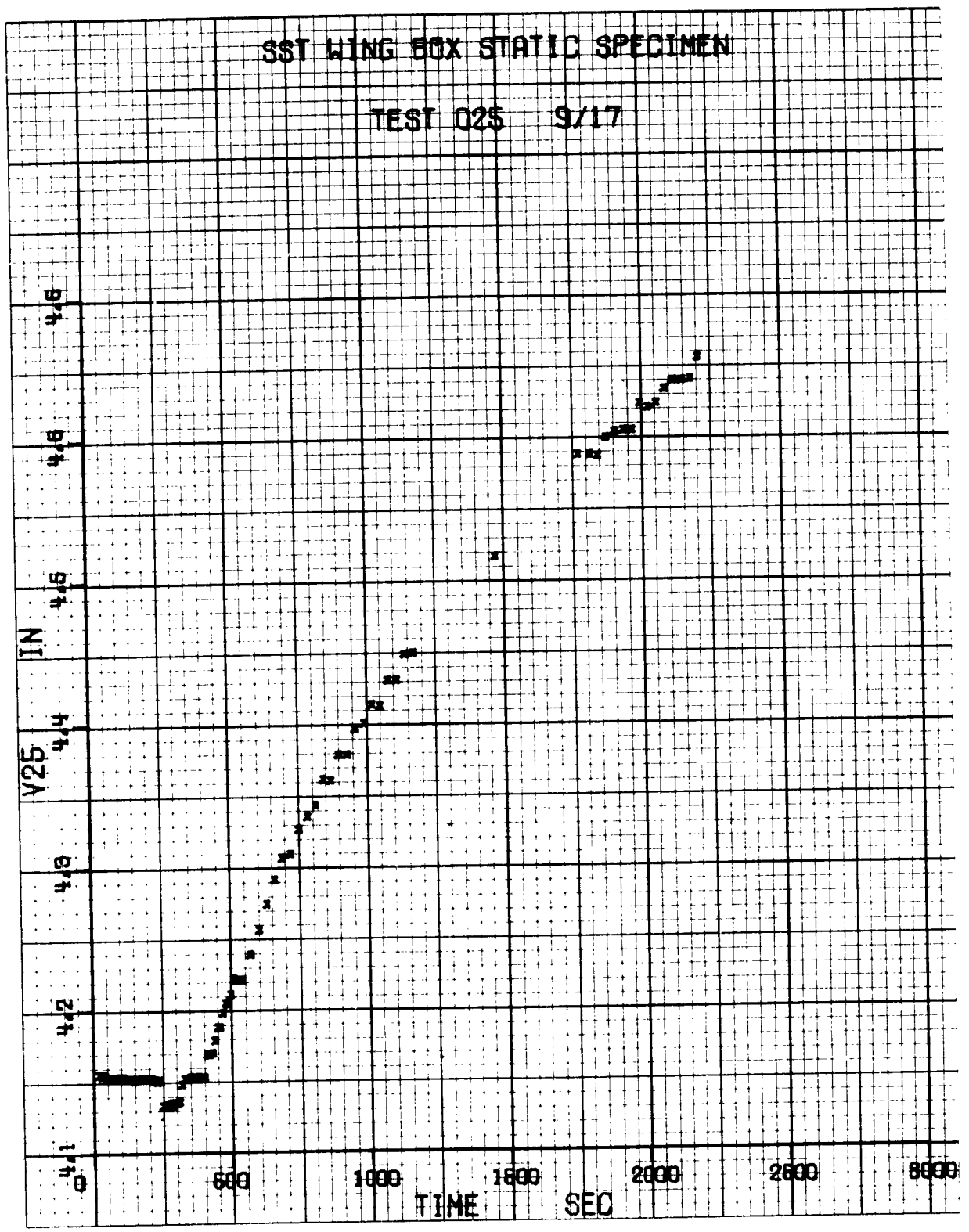

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V28
IN
0.1405
0.1410
0.1415
0.1420
0.1425
0.1430
0.1435
0
500
1000
1500
2000
2500
3000
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V2
IN
0.428
0.427
0.426
0.425
0.424
0.423
0.422
0
600
1000
1600
2000
2600
3000
TIME
SEC


SST WING BOX STATIC SPECIMEN
TEST 025 9/17
0.050
0.040
0.030
0.020
0.010
0
N1
S1A
0
500
1000
1500
2000
2500
3000
TIME SEC

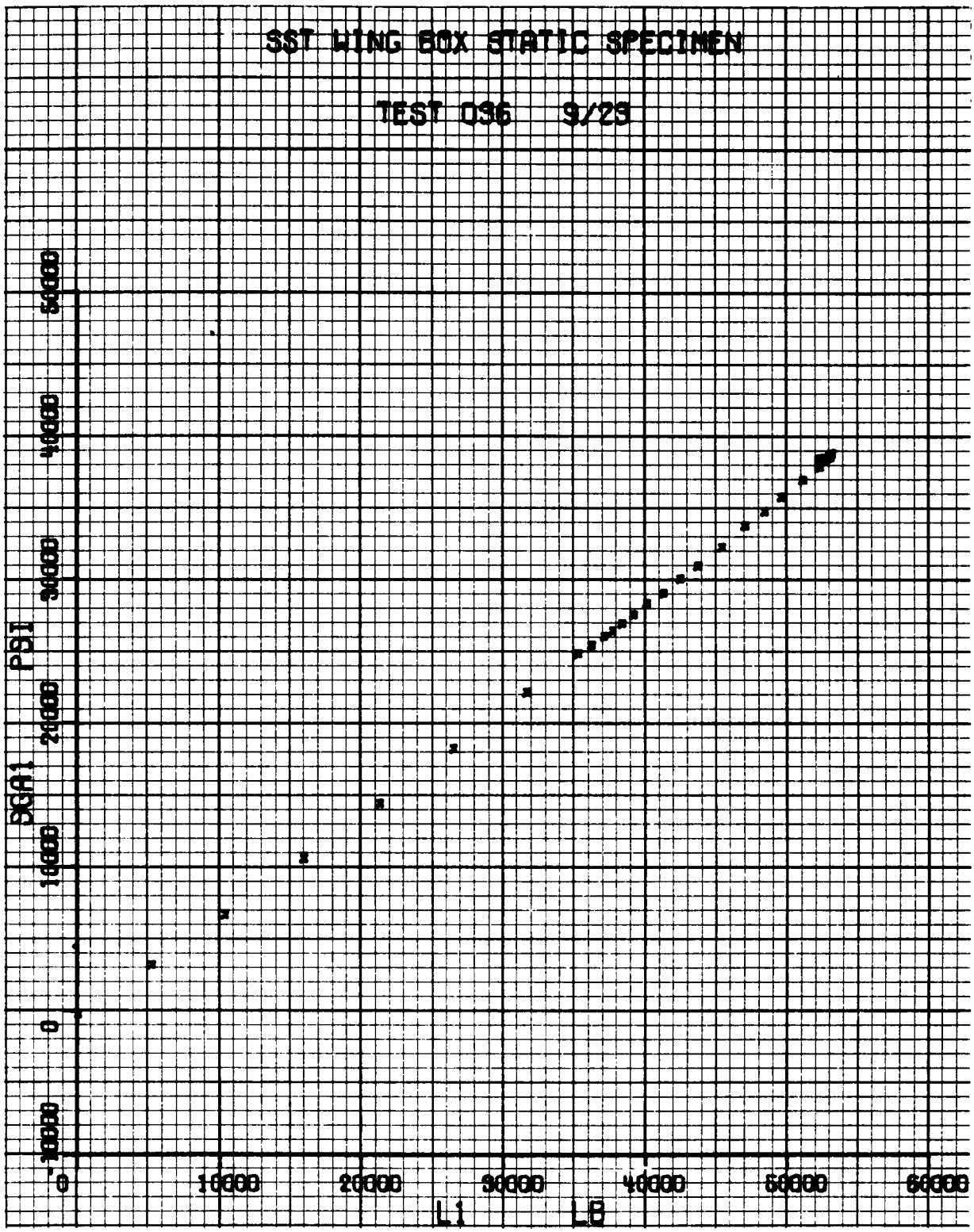

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V18
IN
1490
1485
1480
1475
1470
1465
1460
0
500
1000
1500
2000
2500
3000
TIME
SEC

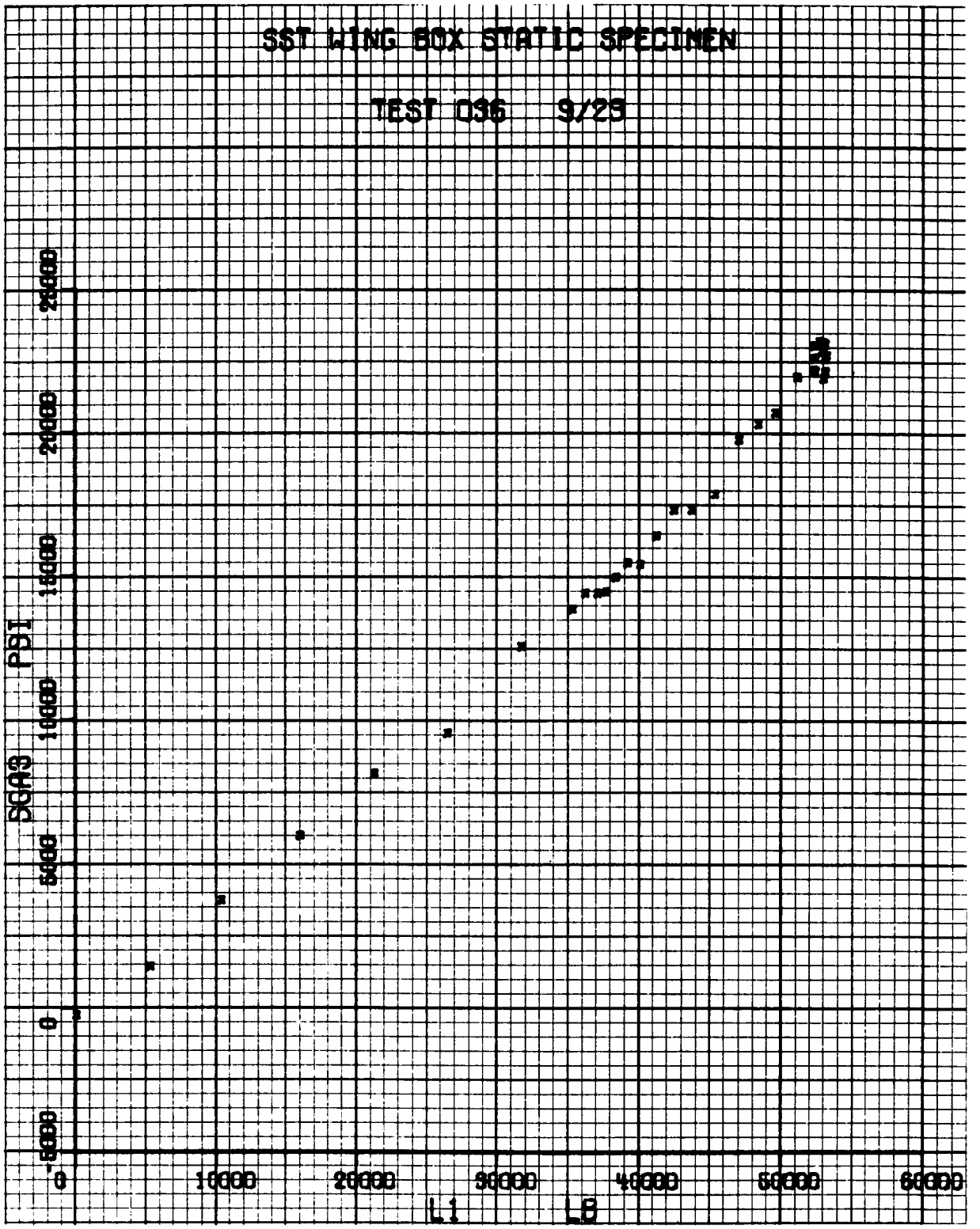

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V21 IN
9.9
9.8
9.7
9.6
9.5
9.4
9.3
0
500
1000
1500
2000
2500
3000
TIME SEC

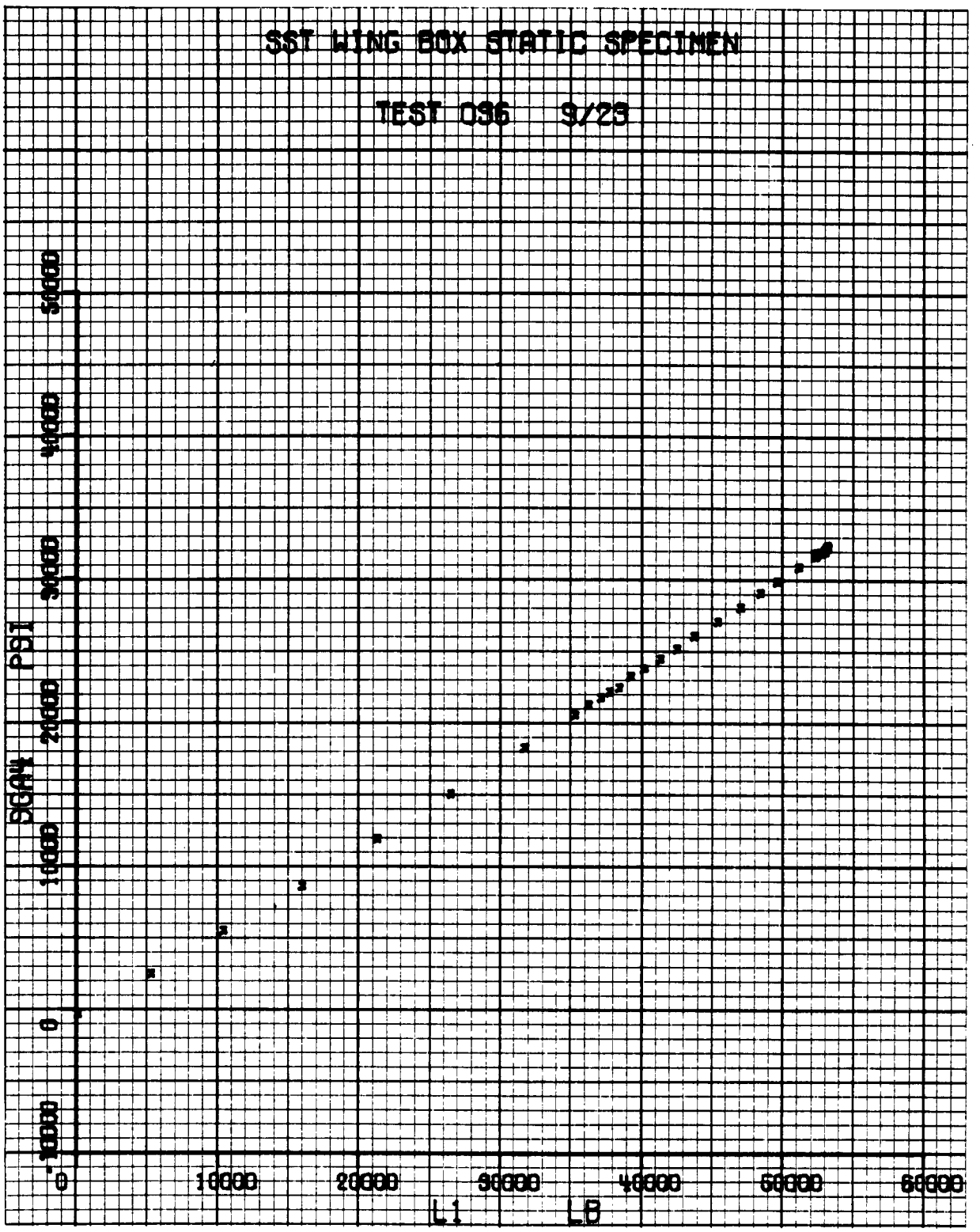

SST WING BOX STATIC SPECIMEN
TEST 025 9/17
V25 IN
9.6
9.4
9.2
9.0
8.8
8.6
8.4
8.2
8.0
600
1000
1600
2000
2600
3000
TIME SEC

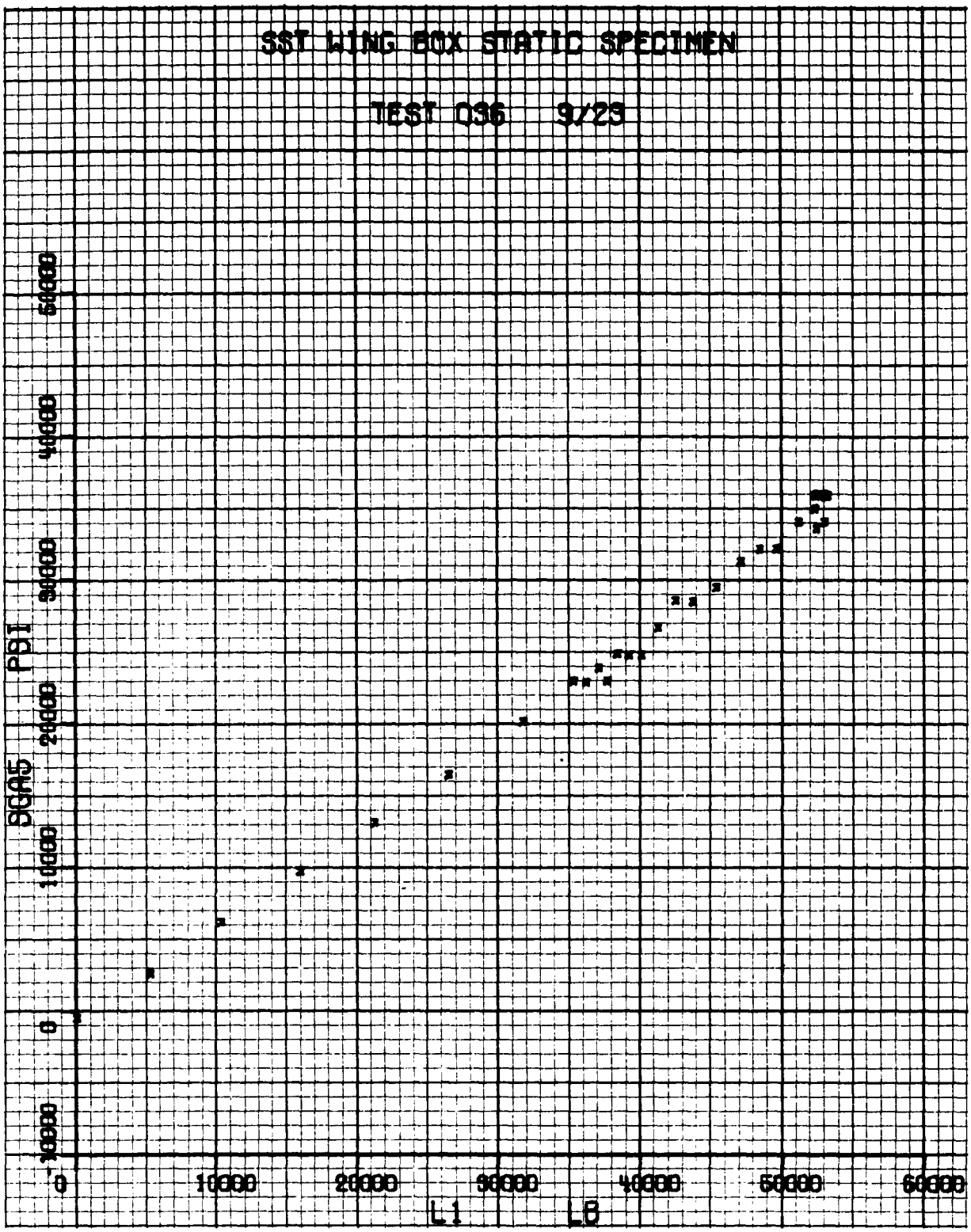
TEST No. 36

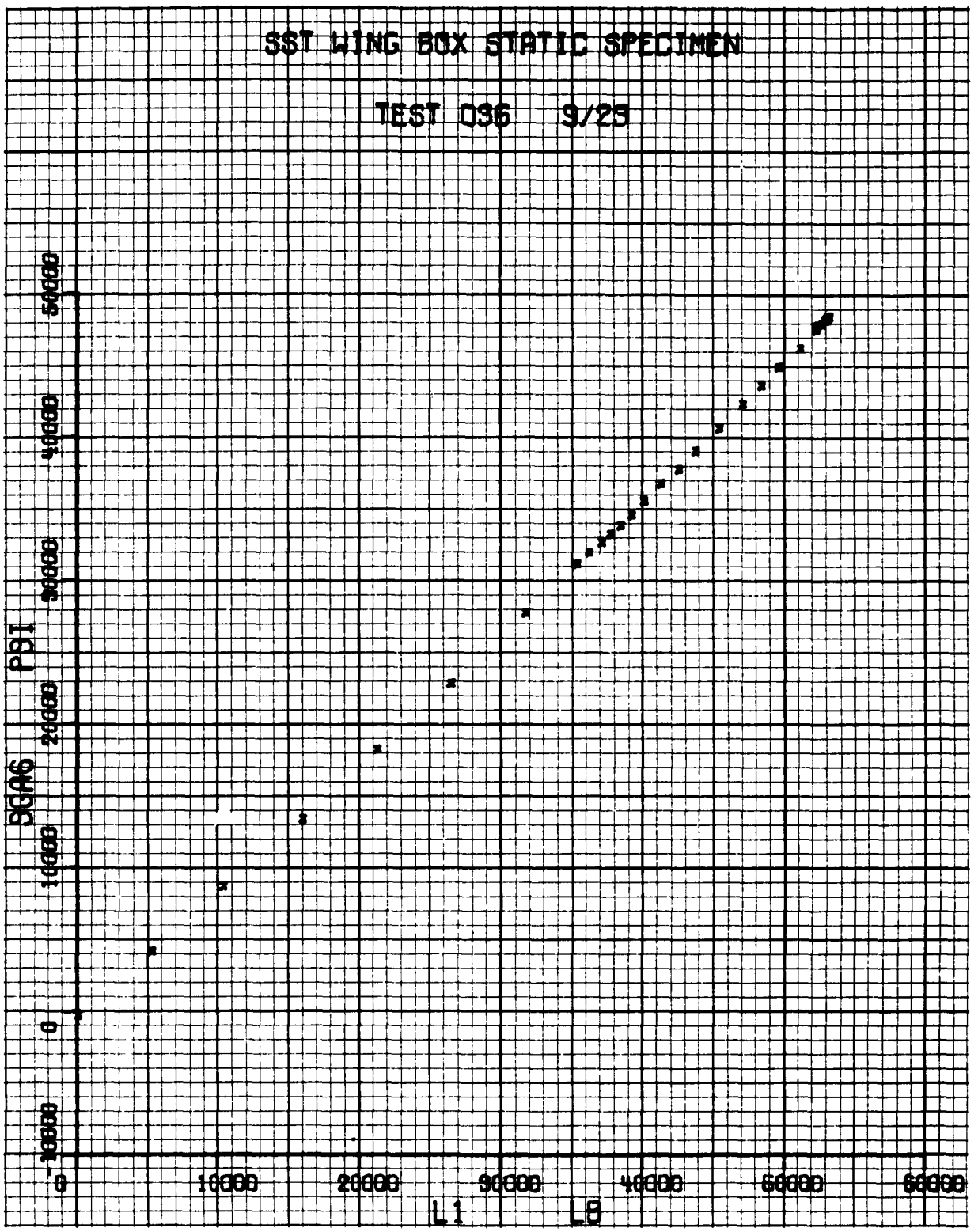
Jack Location	**W.S.** 189 ; **F.S.** 60
Jack Load, lb	0 - 53,000
Percent of Limit	0 - 150
Fuel Condition	**Tanks** EMPTY
Tank Pressure, psi	0
Maximum Surface Temperature, °F	ROOM TEMPERATURE

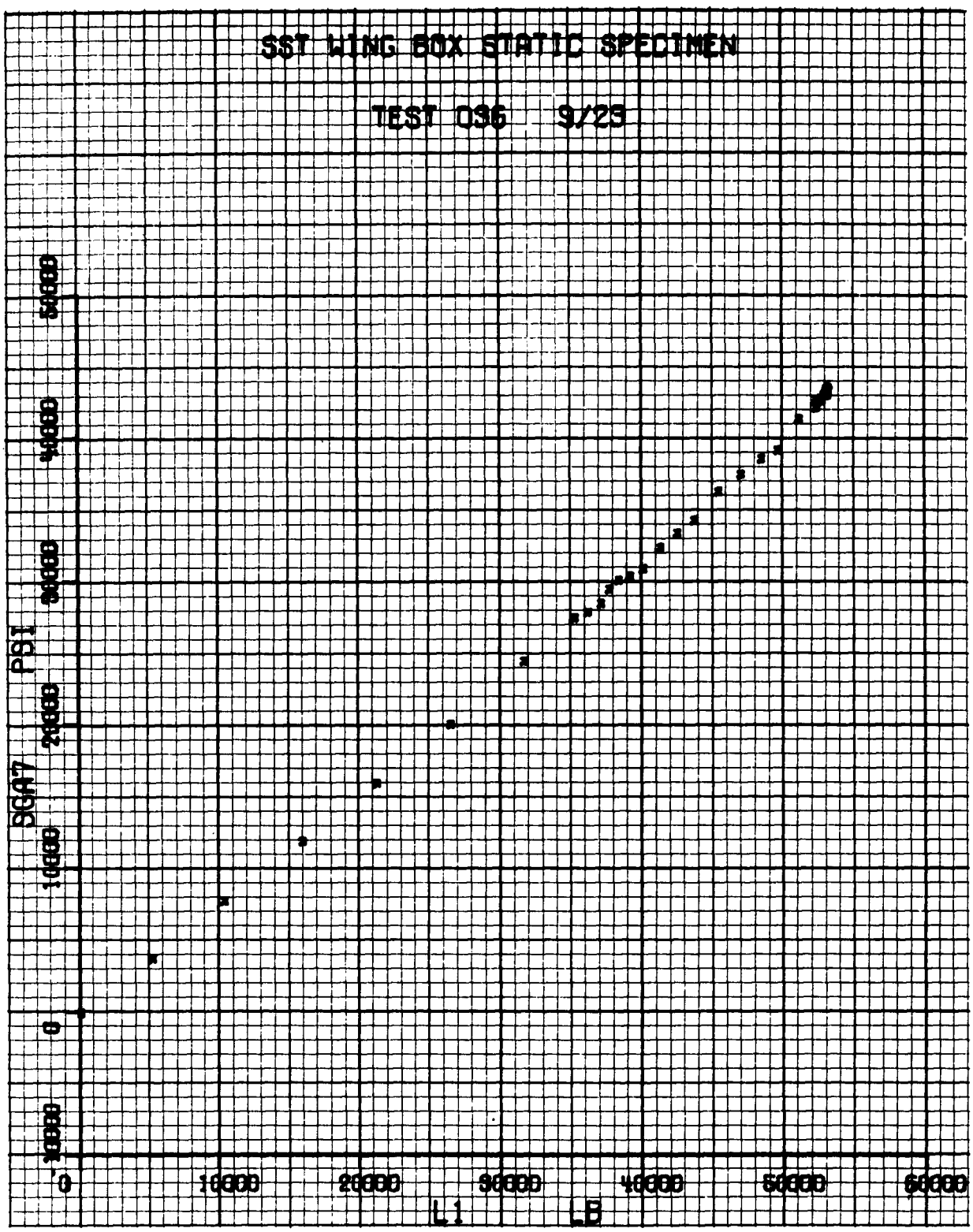

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
SGA1
5000
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
L1
L8

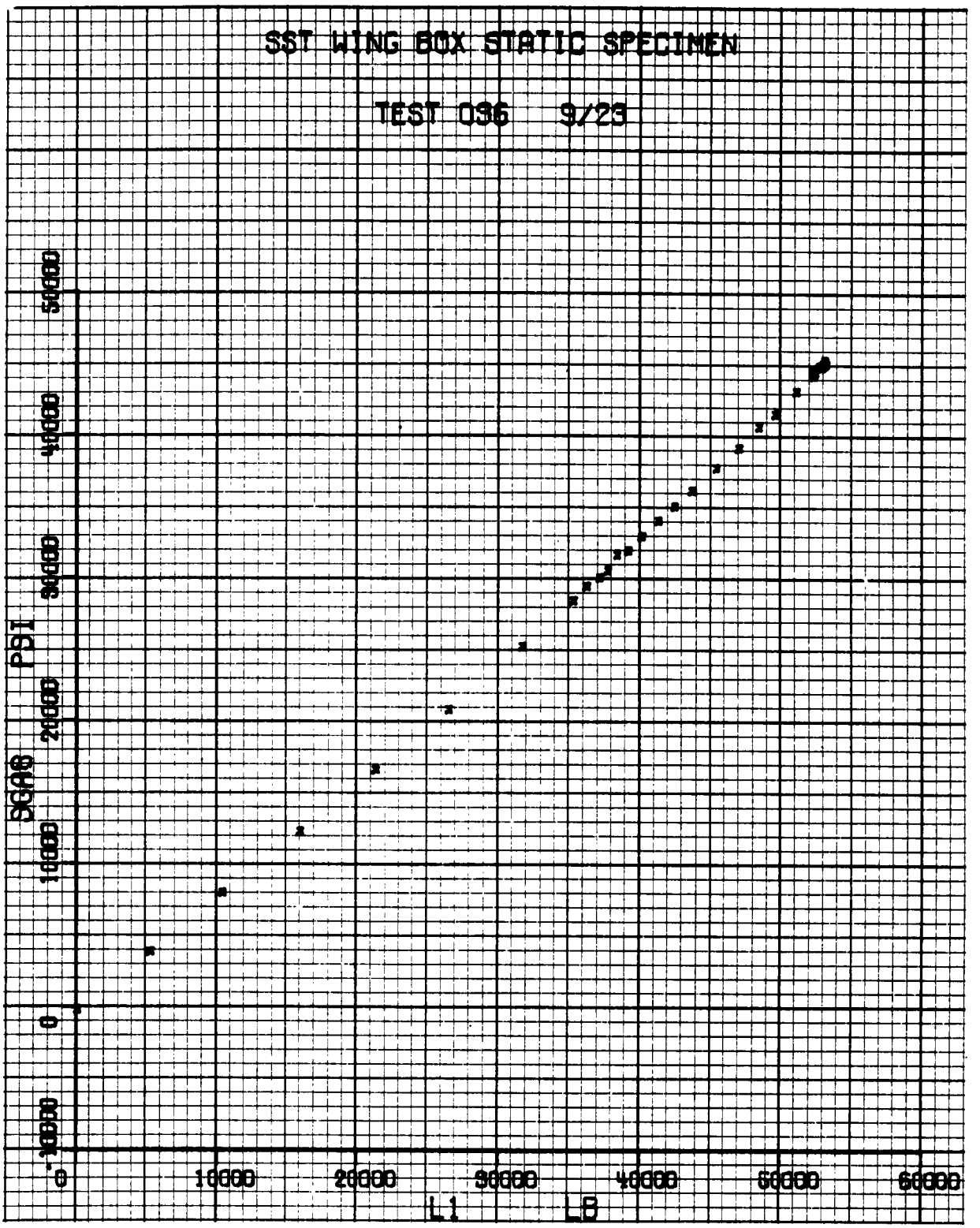

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG#3 PSI
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
5000
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGA5 PSI
60000
40000
30000
20000
10000
0
-10000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
BGA6 PSI
50000
40000
30000
20000
10000
0
-10000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
SGA7
5000
4000
3000
2000
1000
0
-1000
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG#6 PSI
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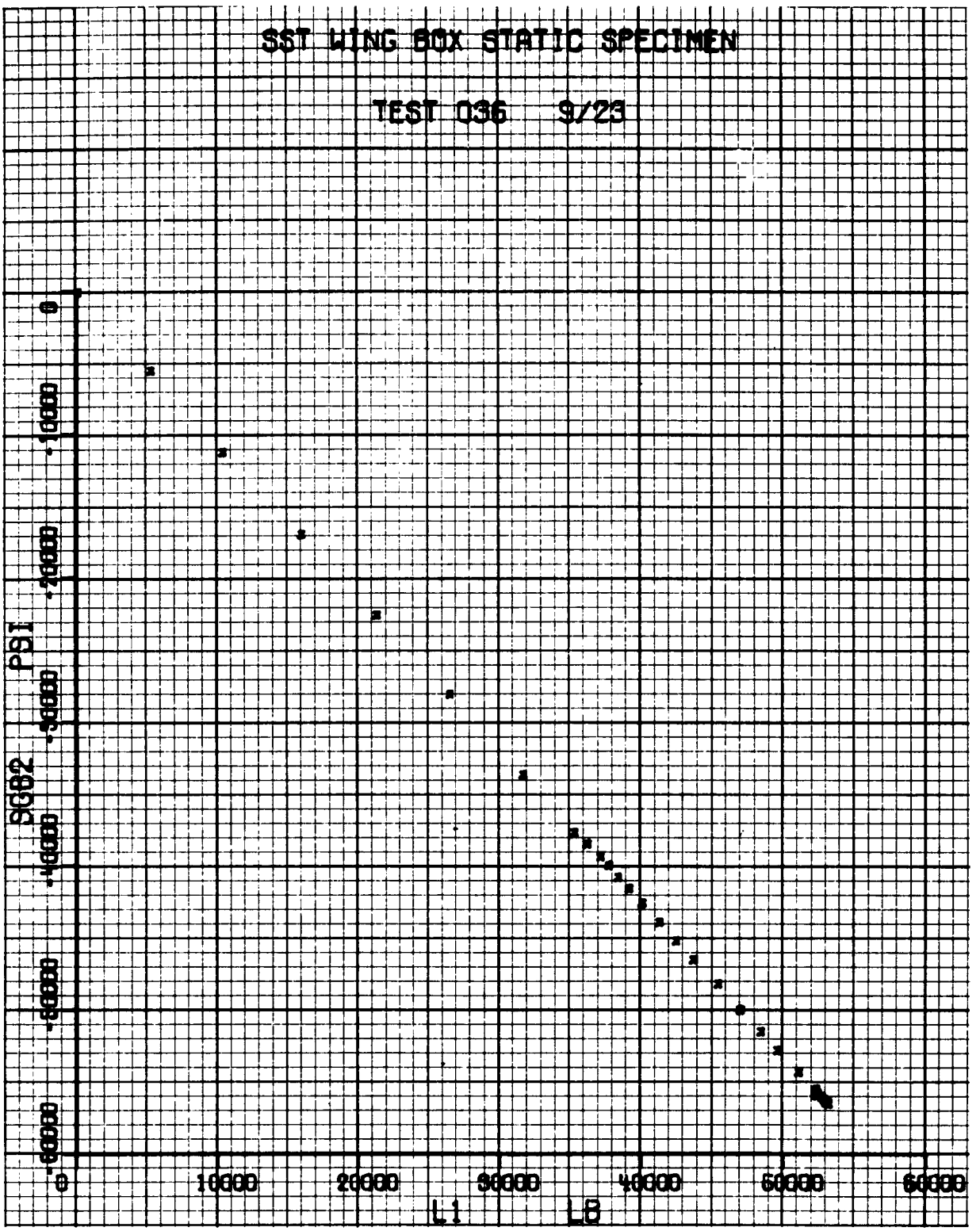
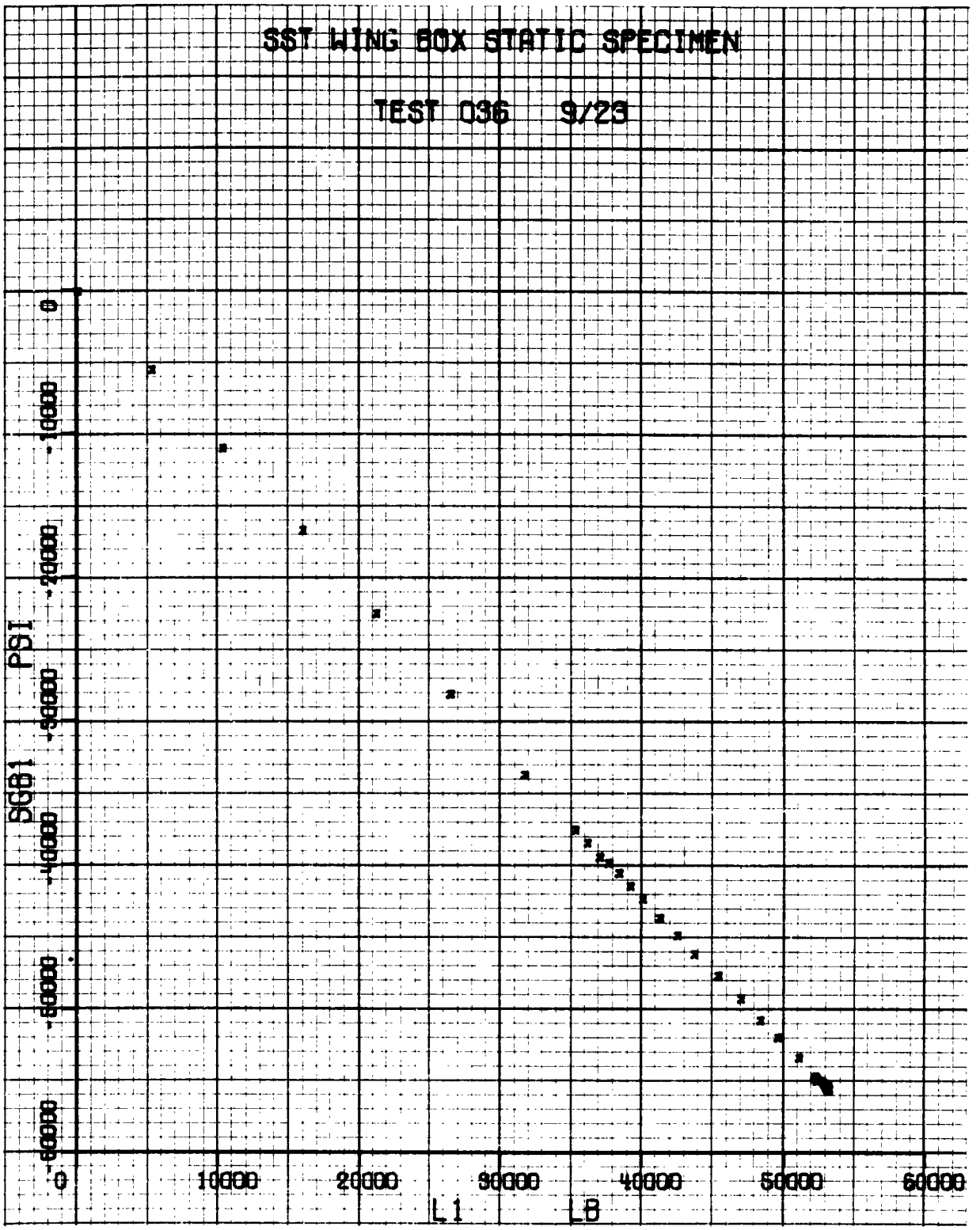
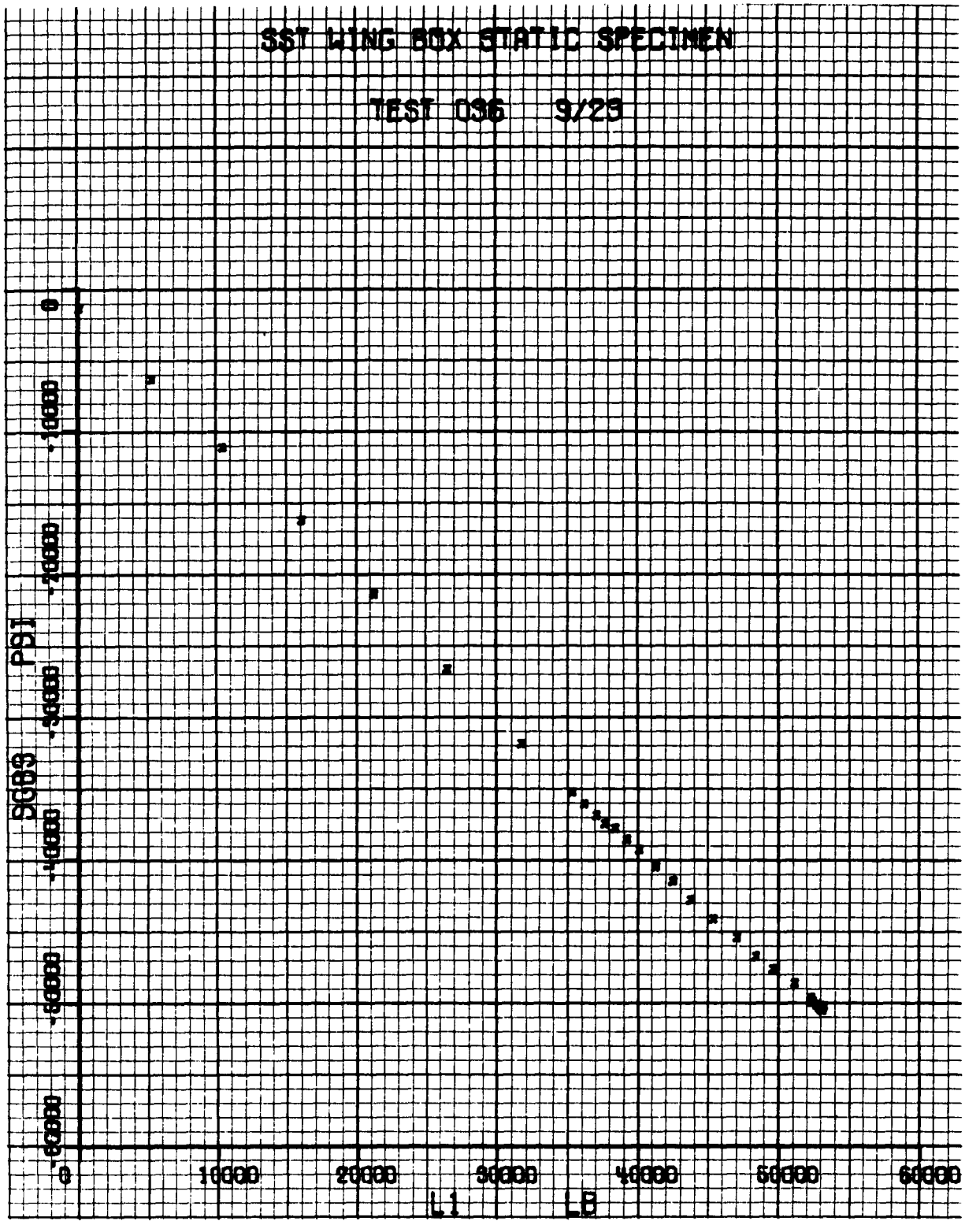
40000
30000
20000
10000
0
-10000
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG62 PSI
0
-1000
-2000
-3000
-4000
-5000
-6000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB1
PSI
0
-10000
-20000
-30000
-40000
-50000
-60000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG83 PSI
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-40000
-50000
-60000
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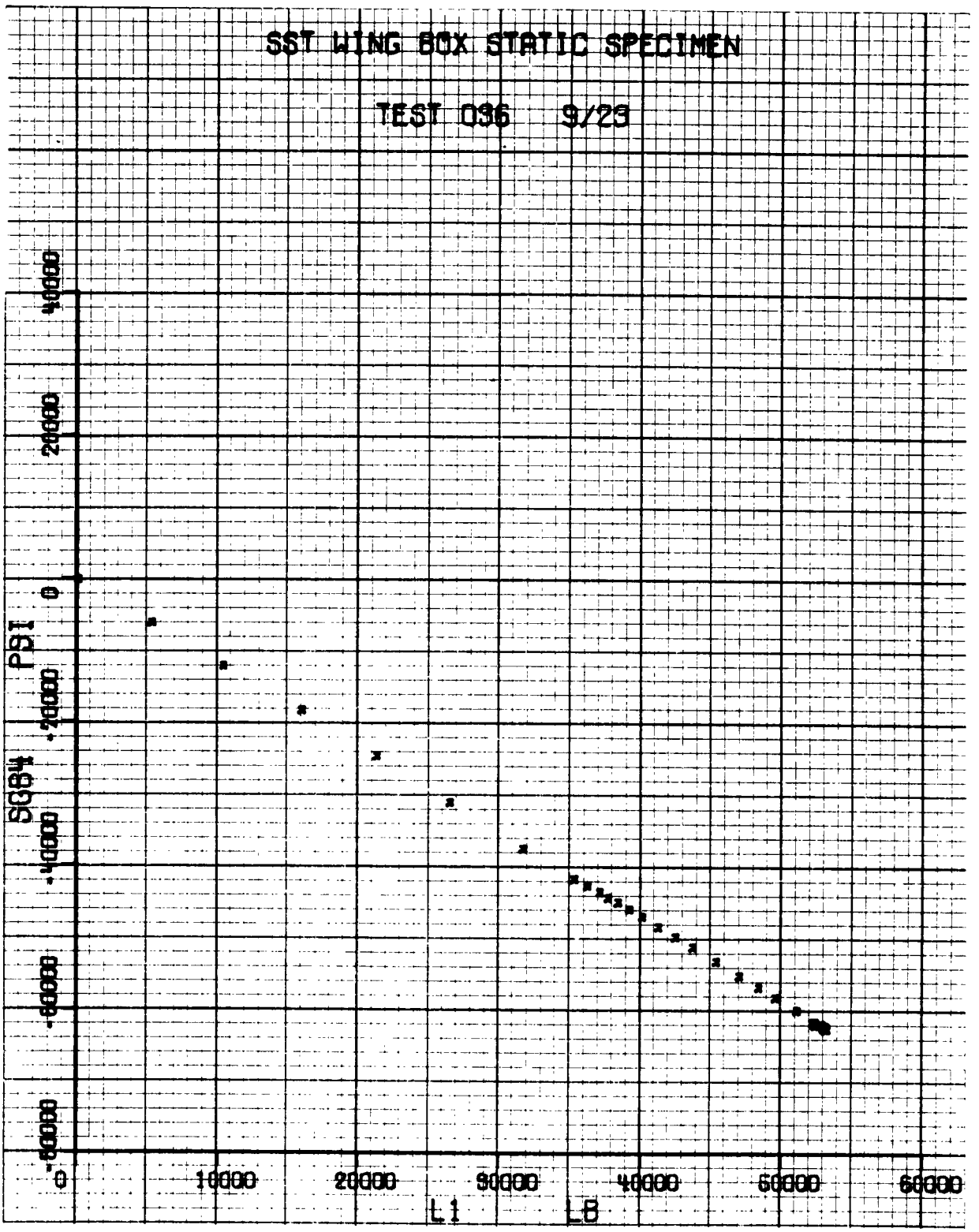
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG84
PSI
40000
20000
0
-20000
-40000
-60000
-80000
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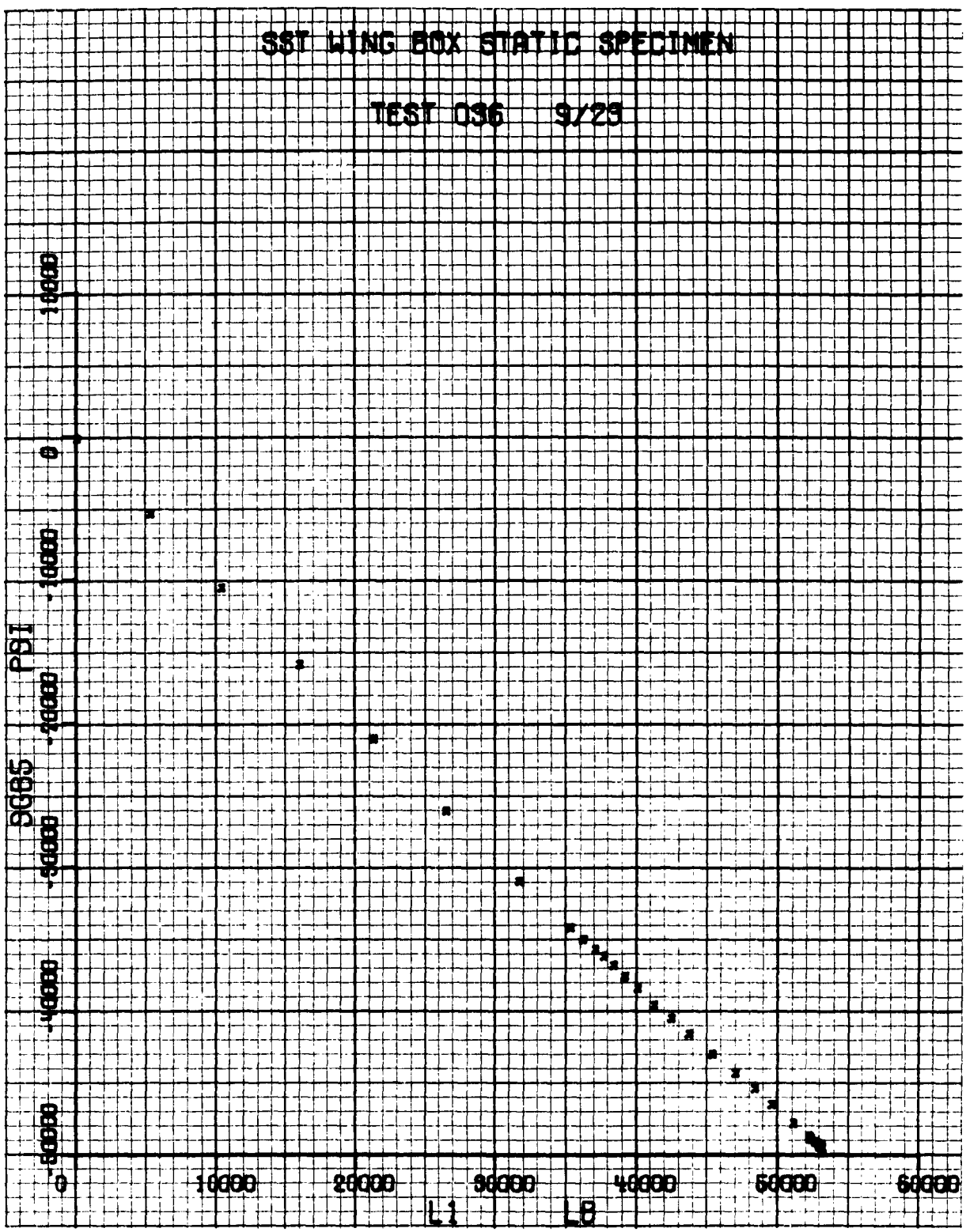
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG85 PSI
10000
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-10000
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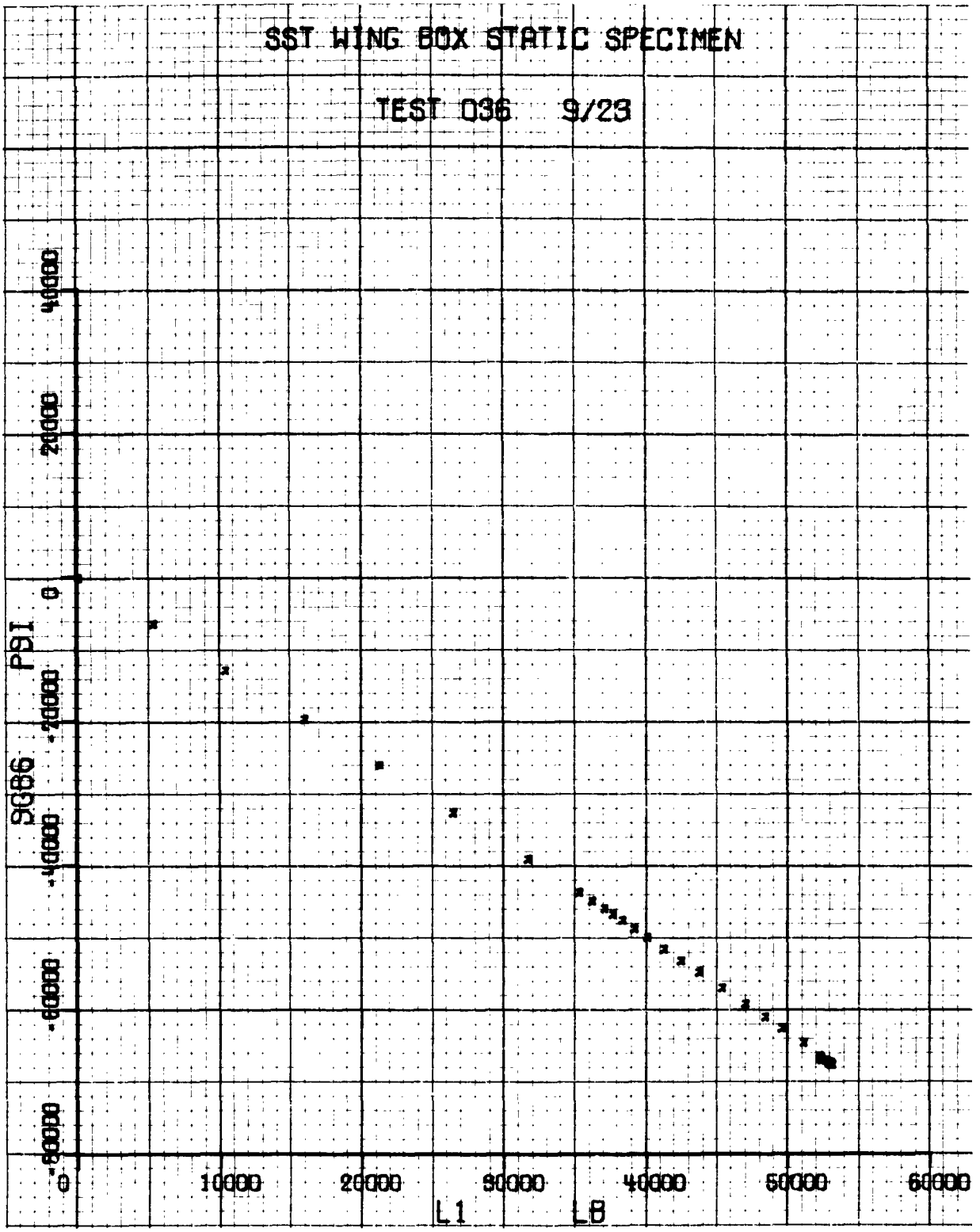
-90000
-40000
-80000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
9086 PSI
40000
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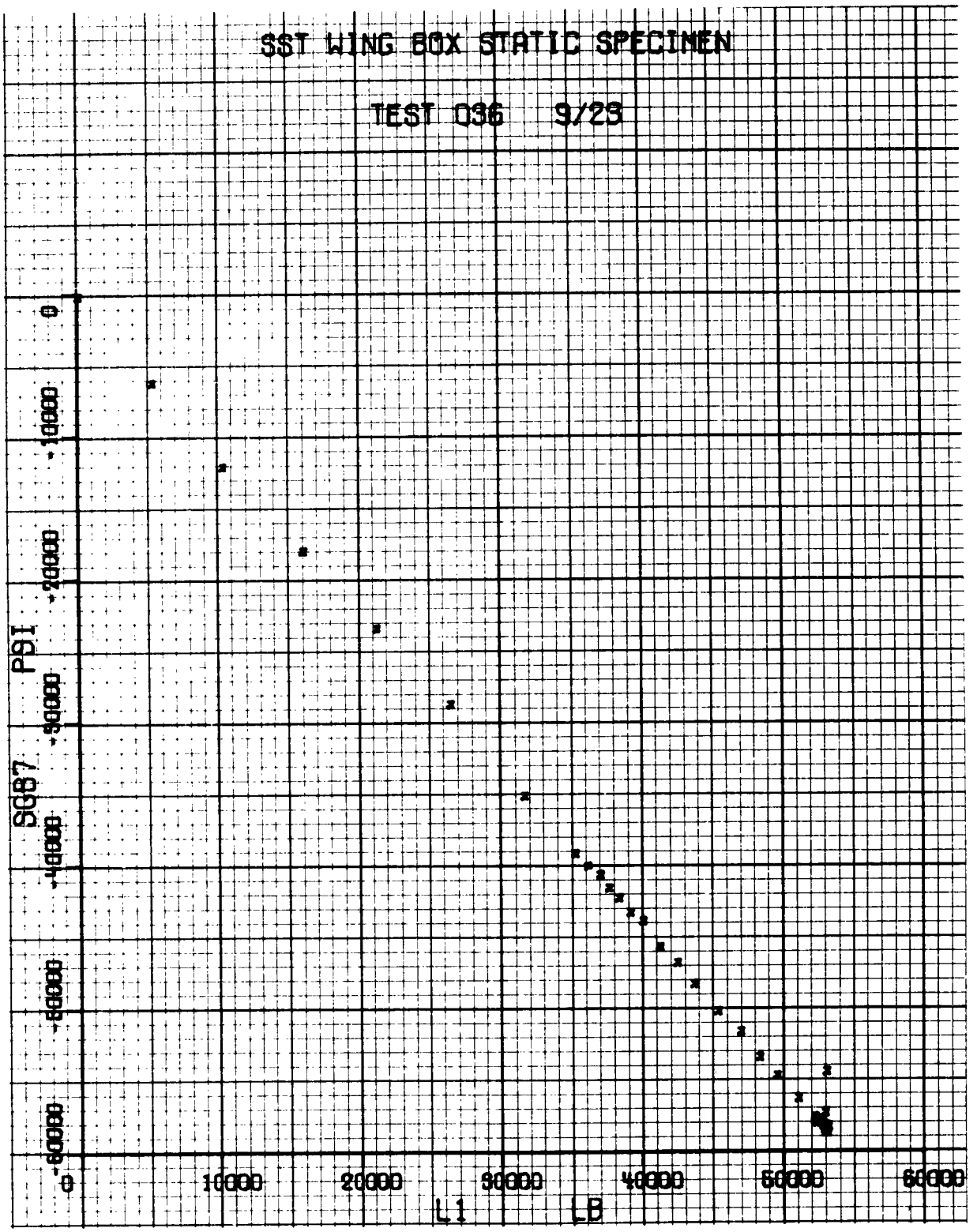
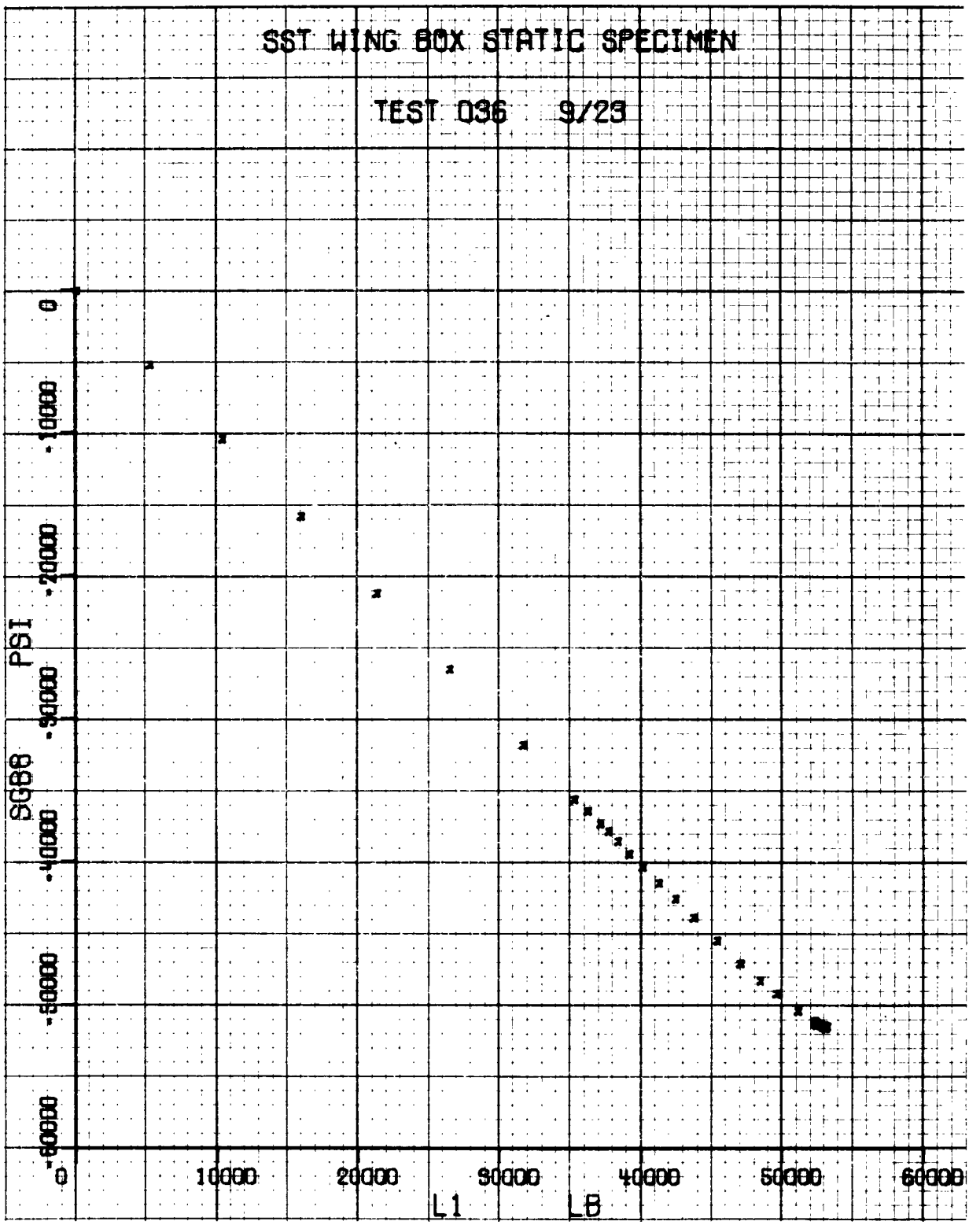
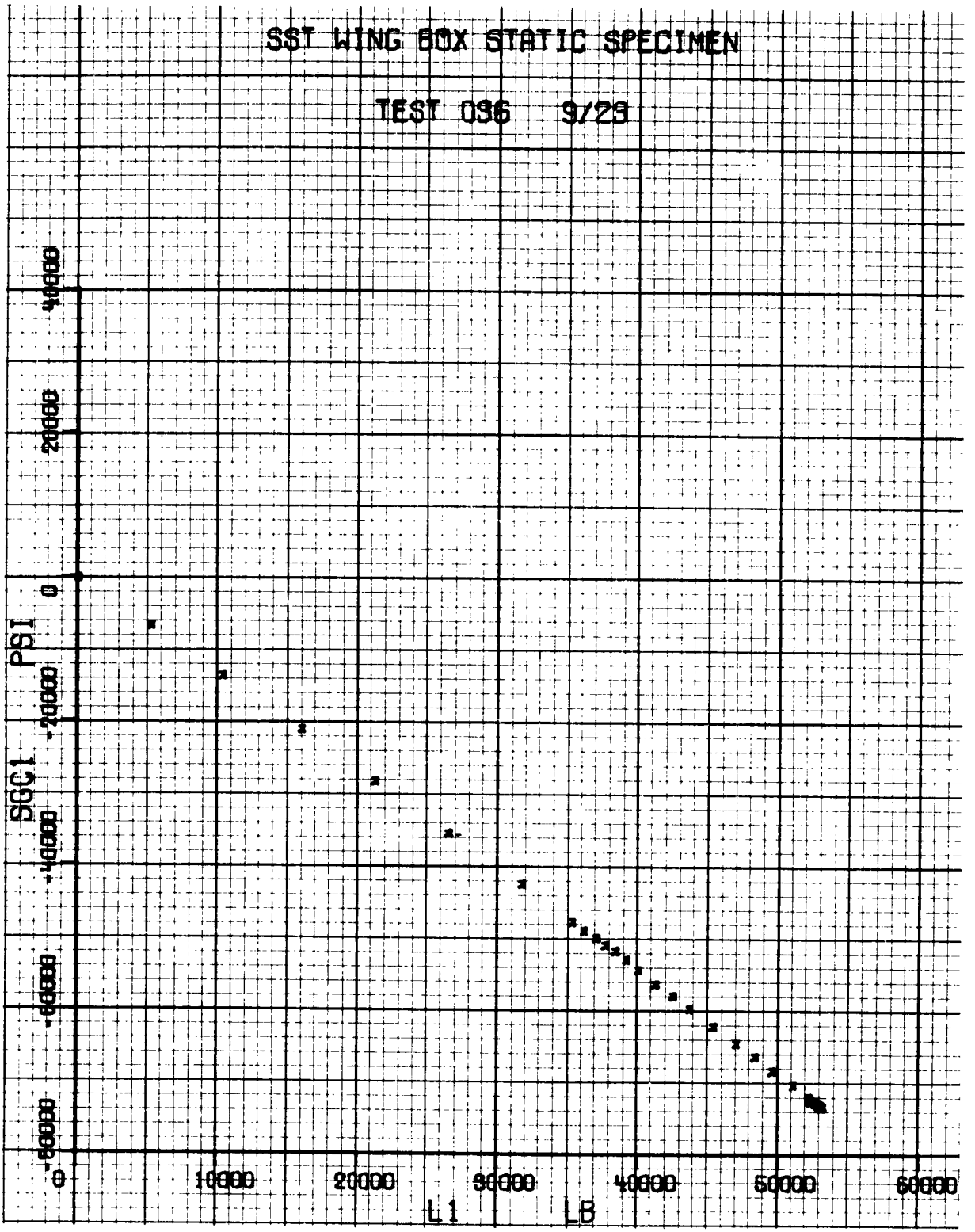
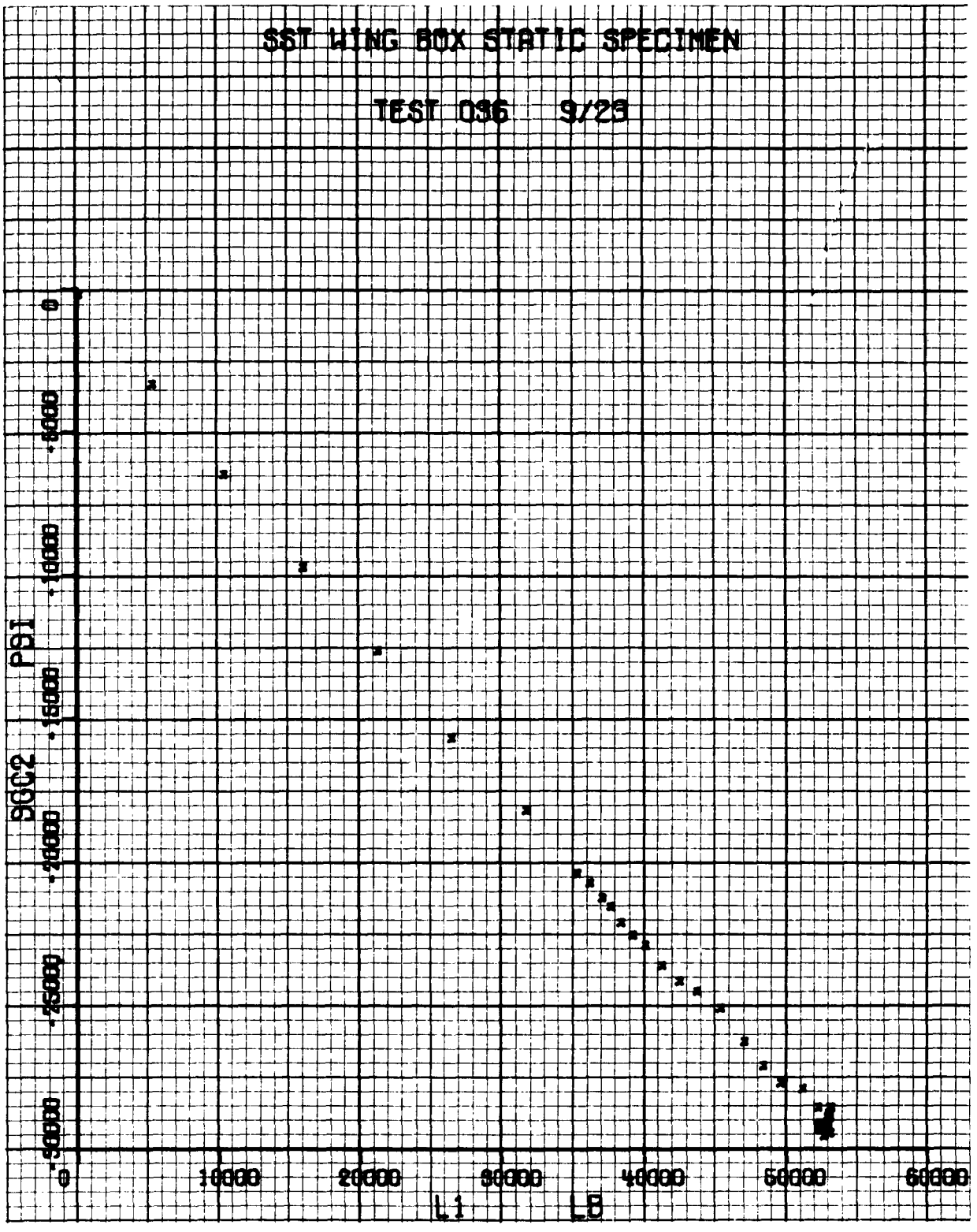
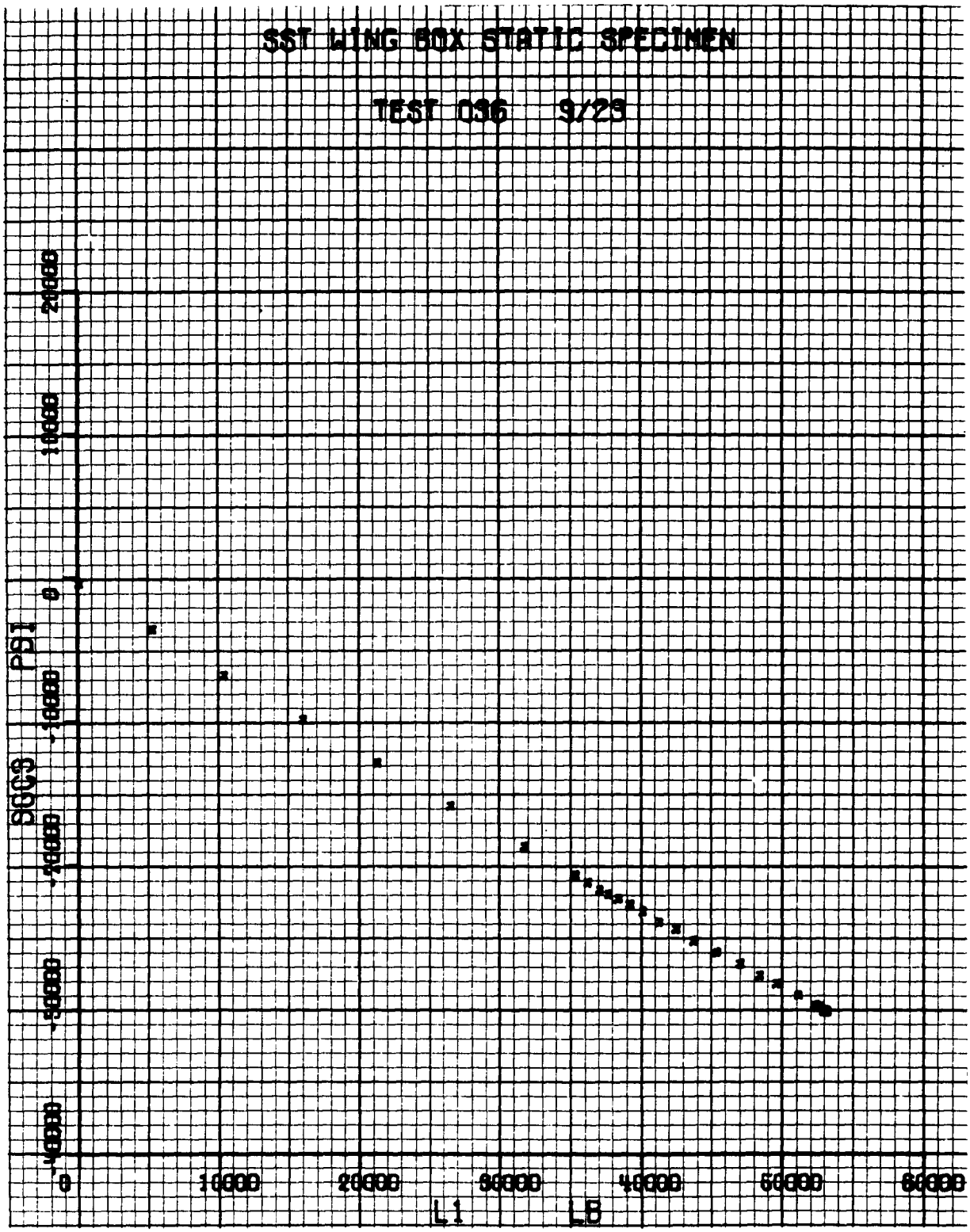
-40000
-60000
-80000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG87 PSI
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB8
PSI
0
-10000
-20000
-30000
-40000
-50000
-60000
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC1 PSI
40000
20000
0
-20000
-40000
-60000
-80000
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGG2 PSI
-5000
0
5000
10000
15000
20000
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGGS PSI
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-30000
-40000
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30000
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60000
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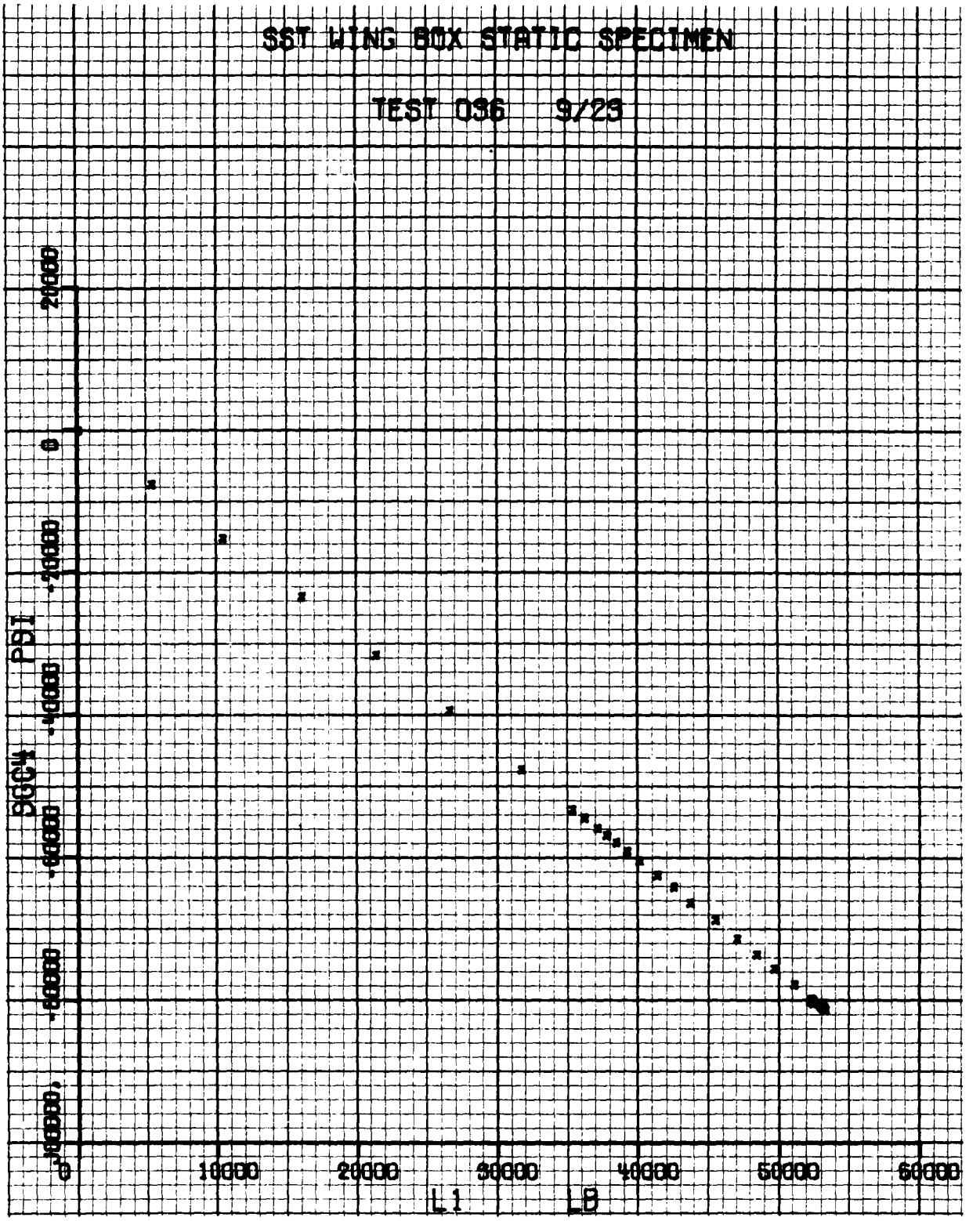
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
20000
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60000
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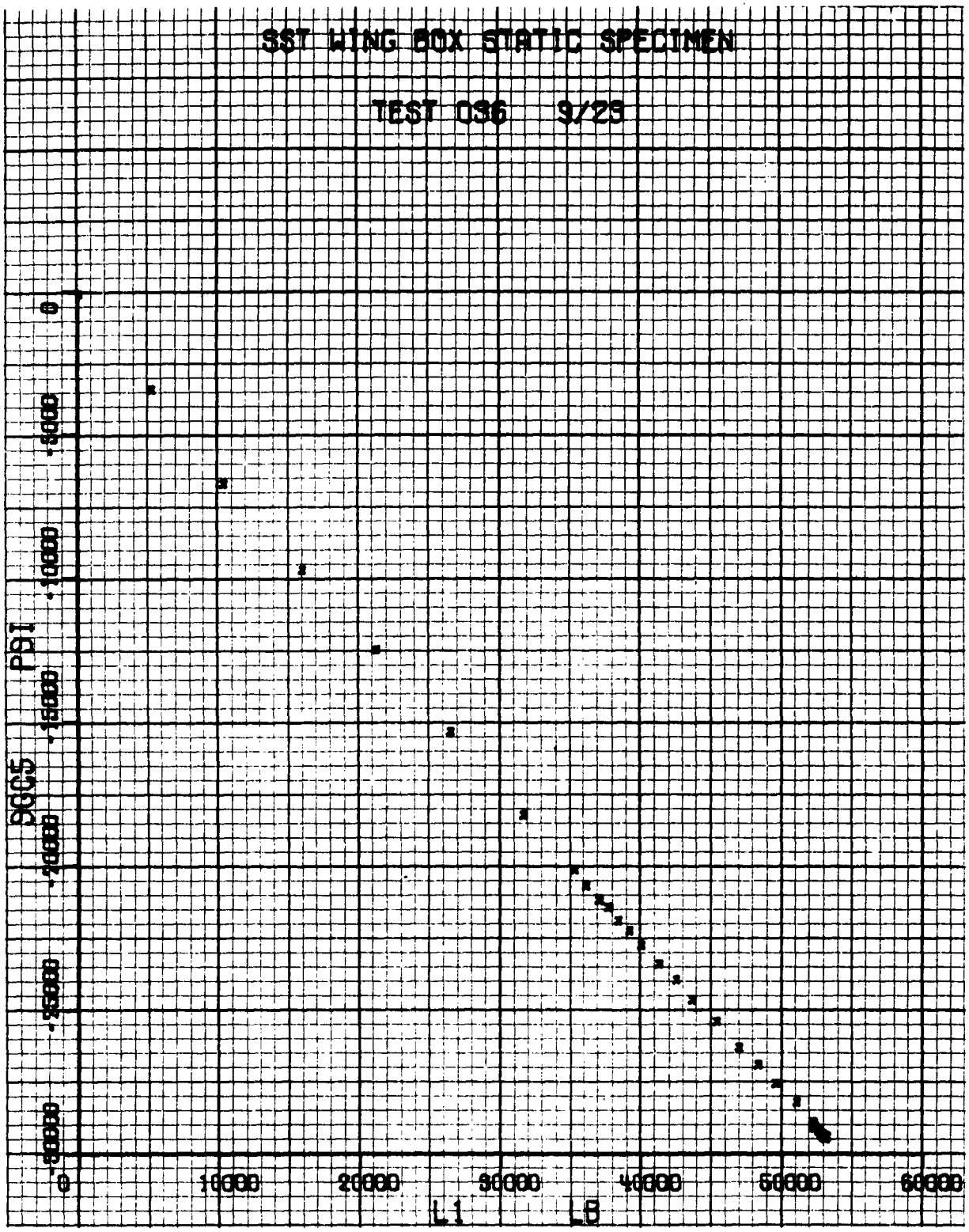
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
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30000
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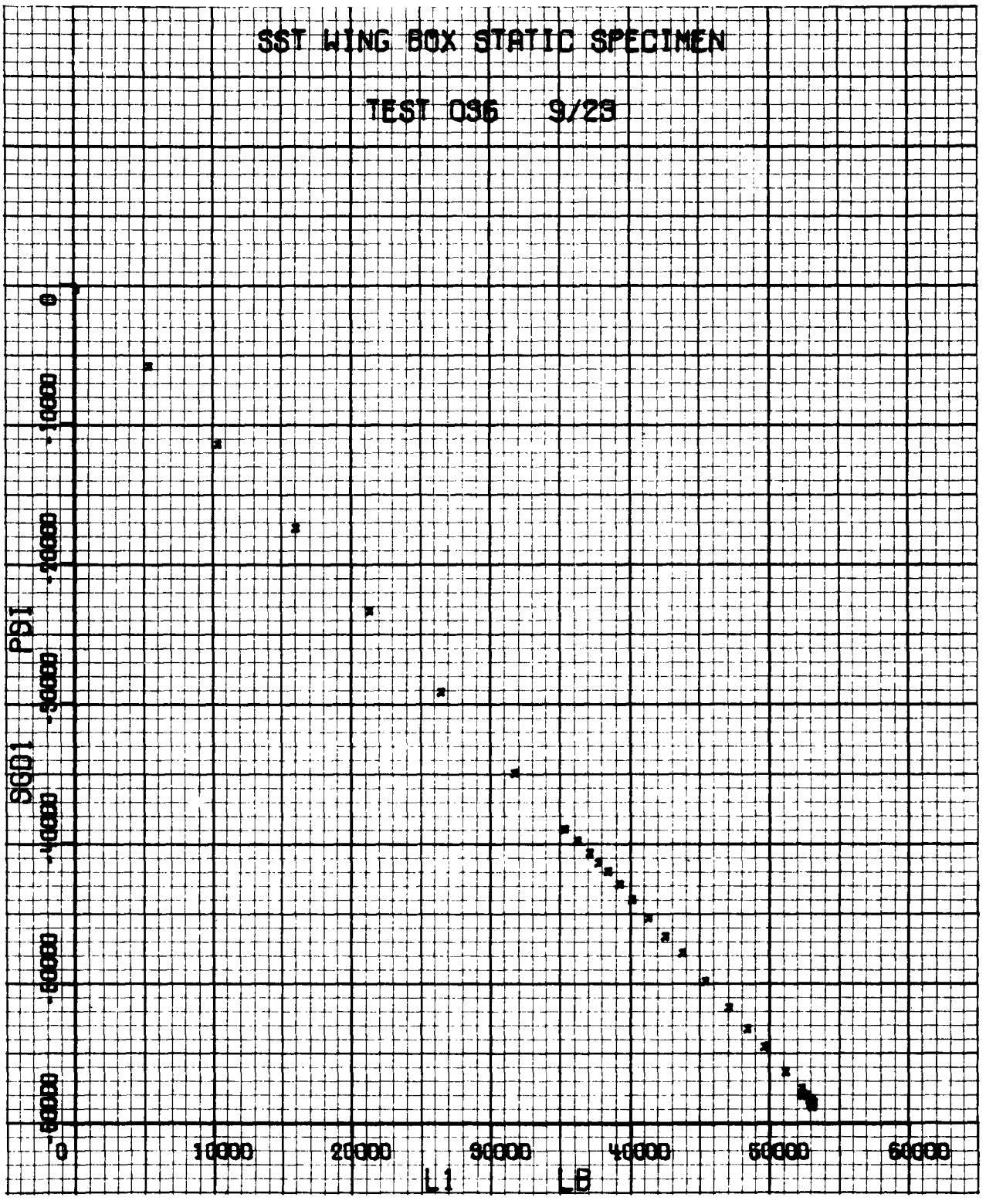
50000
60000
L1
L6


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG01
PSI
0
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10000
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30000
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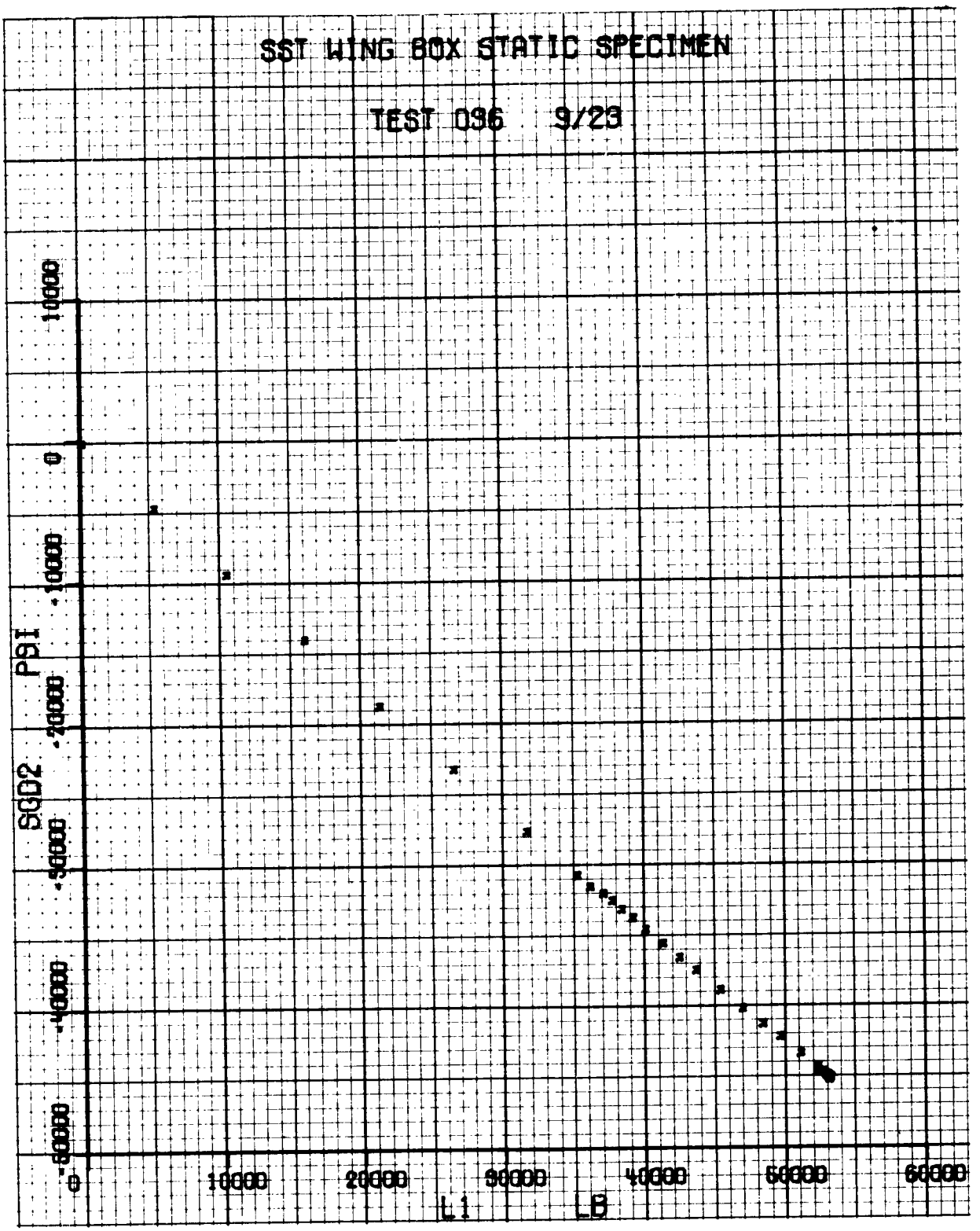
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD2 PSI
10000
0
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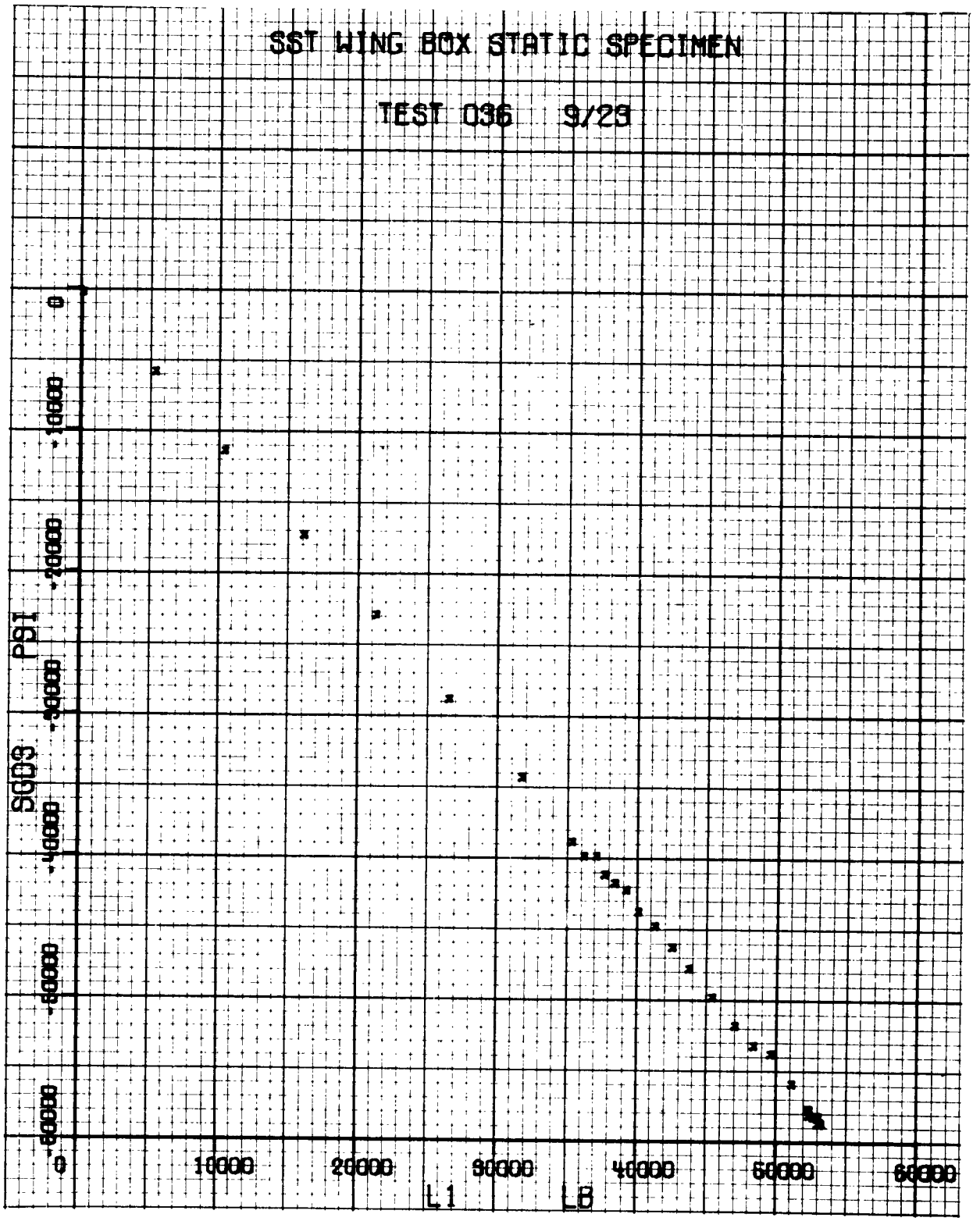
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG03 PSI
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-60000
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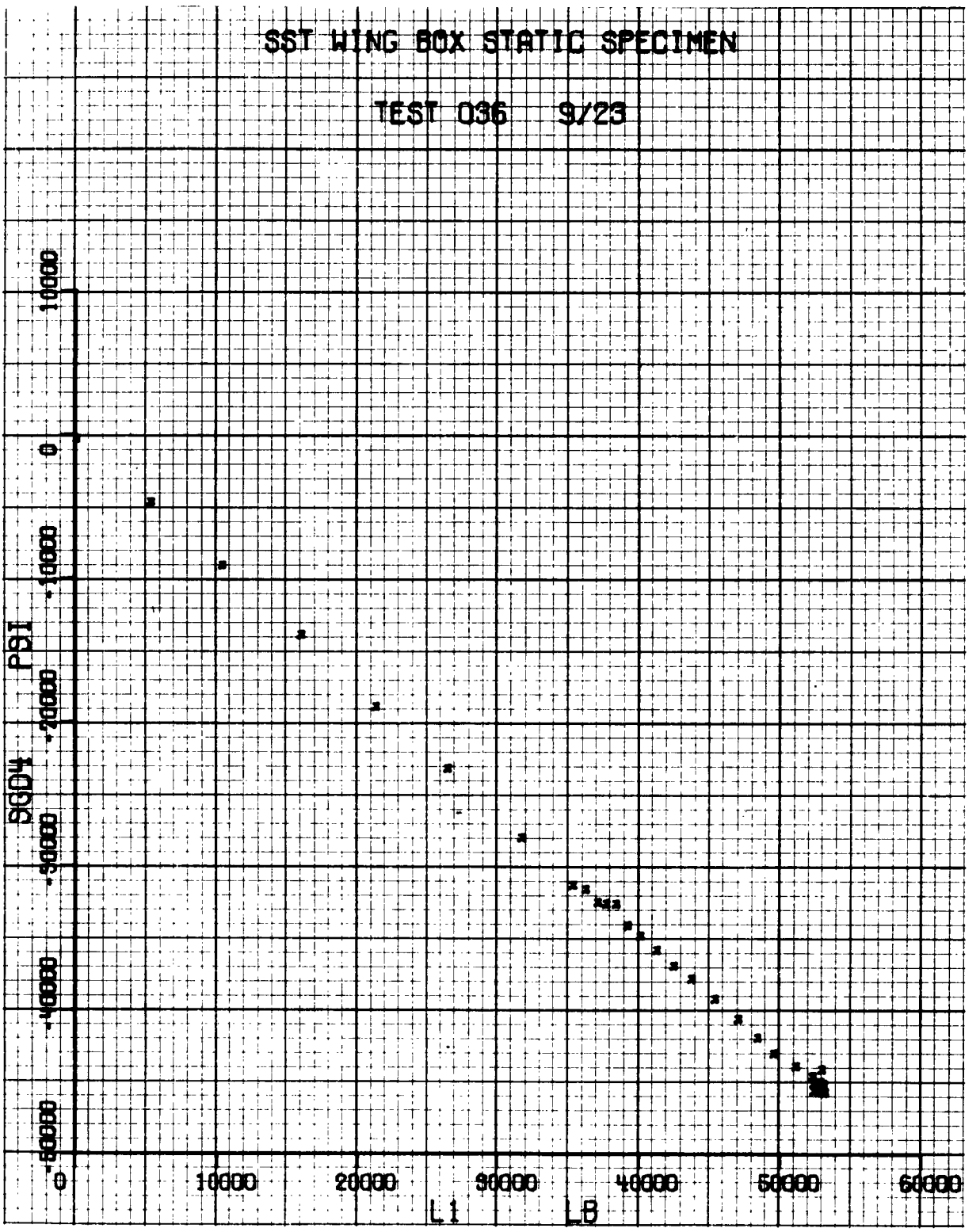
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
SGD4
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30000
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50000
60000
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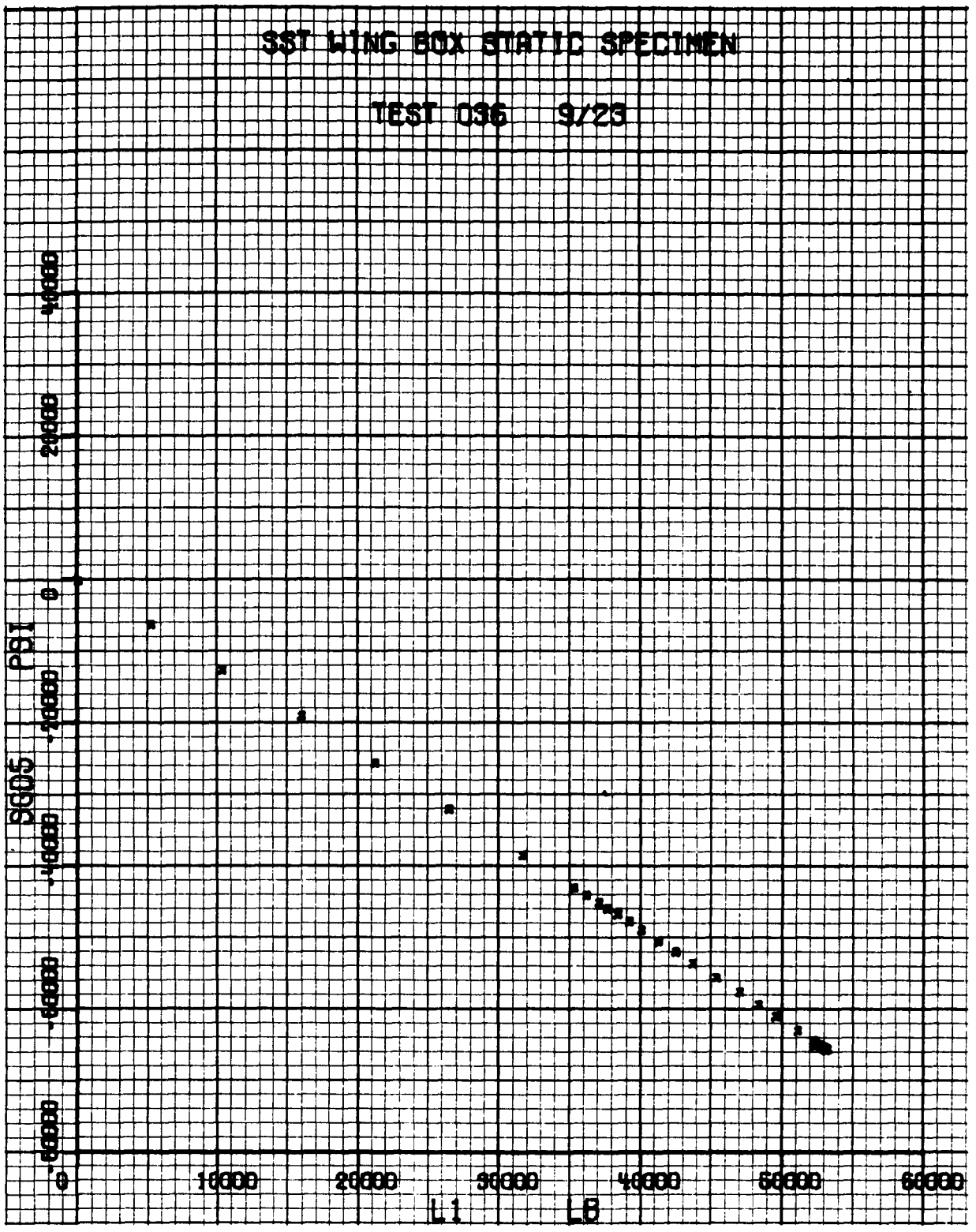
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
SG05
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60000
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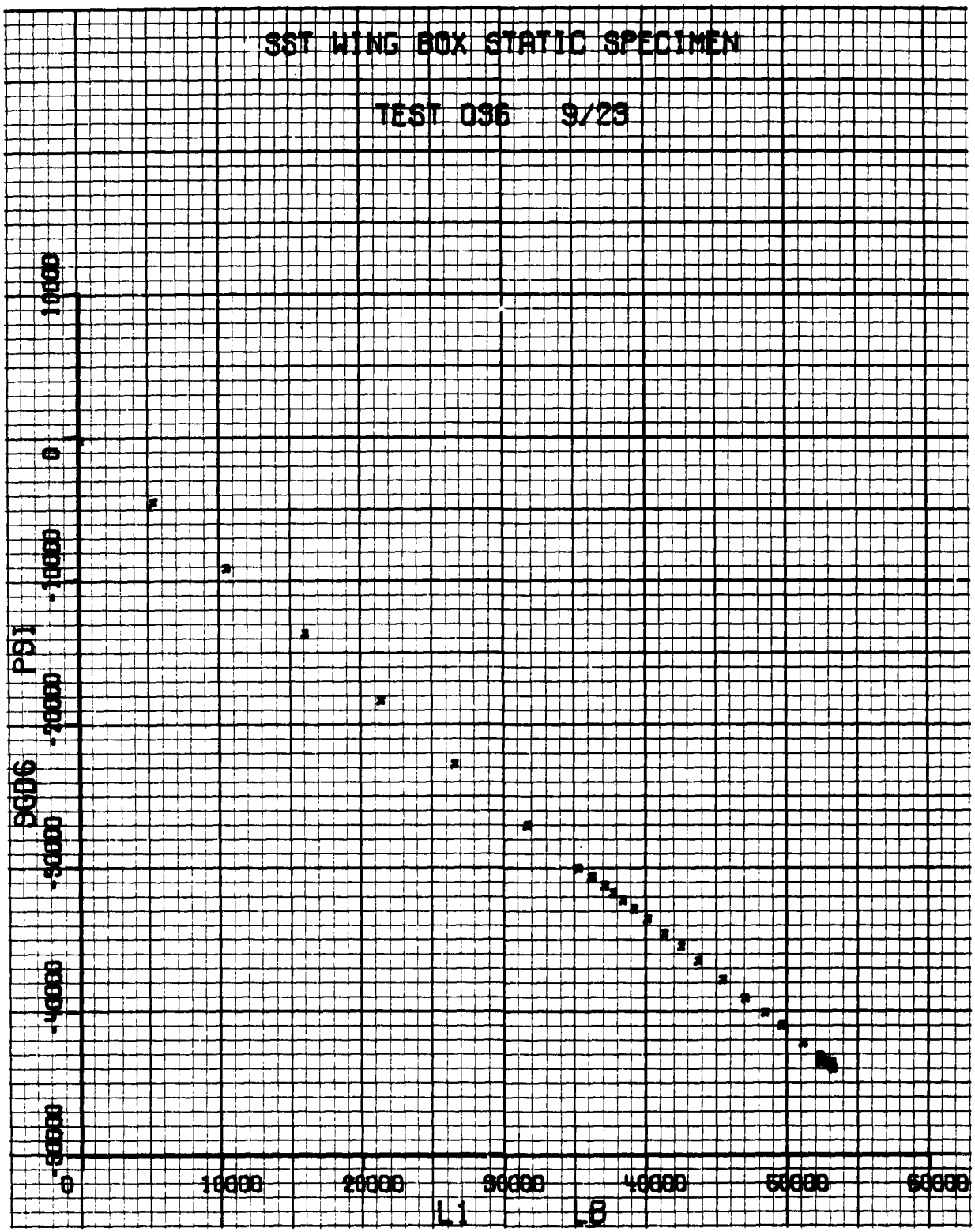
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
9006 PSI
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60000
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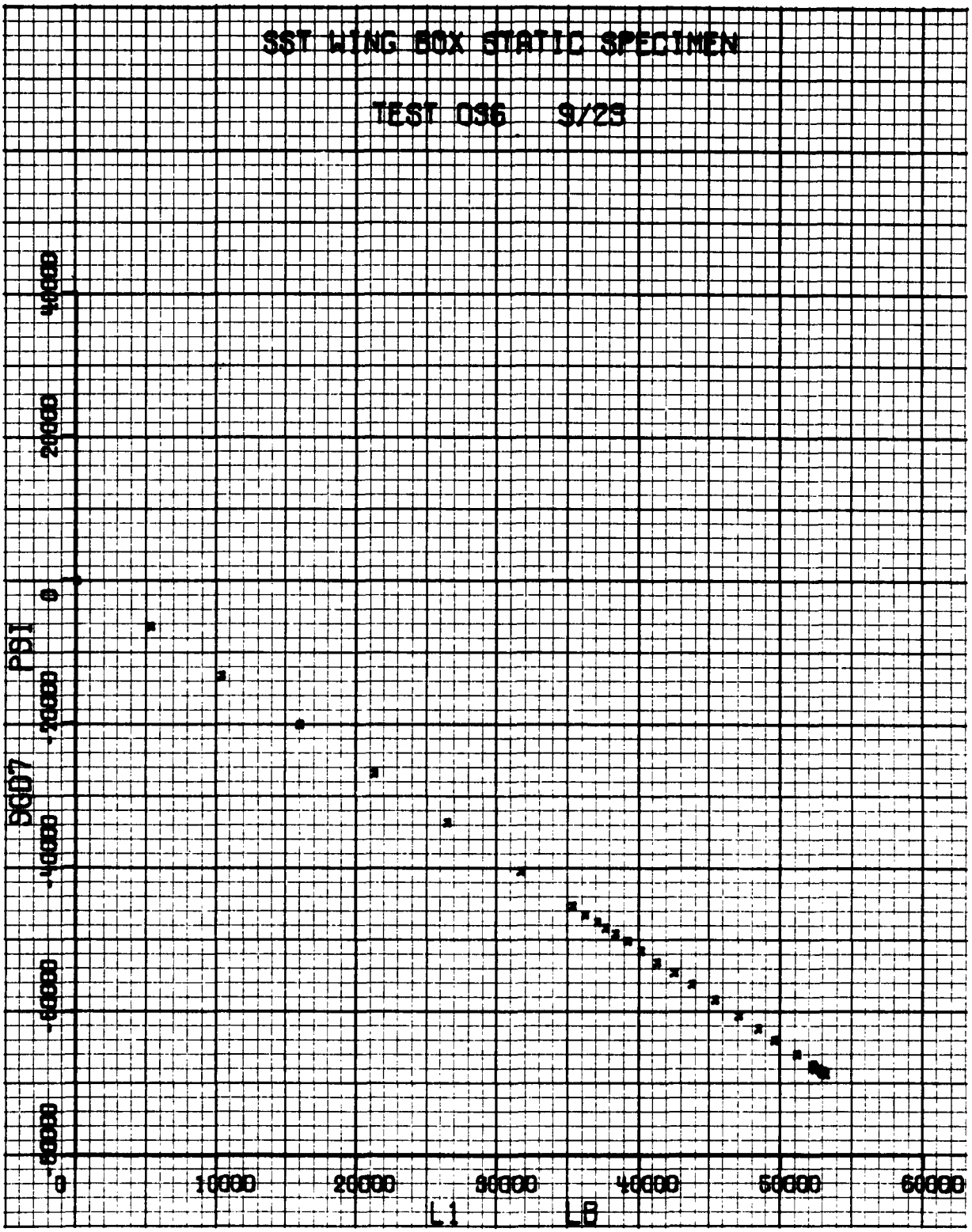
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/25
PSI
9807
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50000
60000
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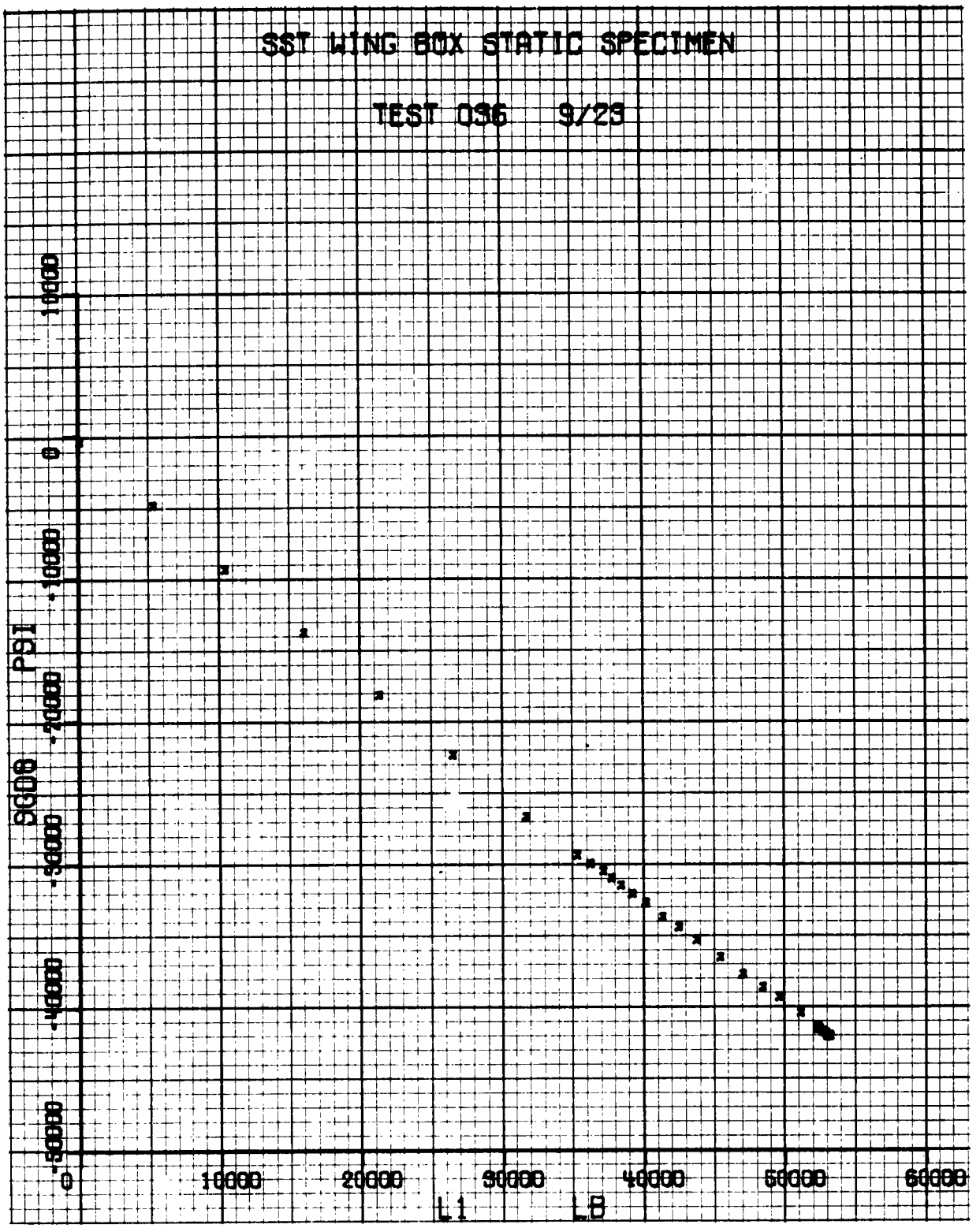
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
9606
10000
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50000
60000
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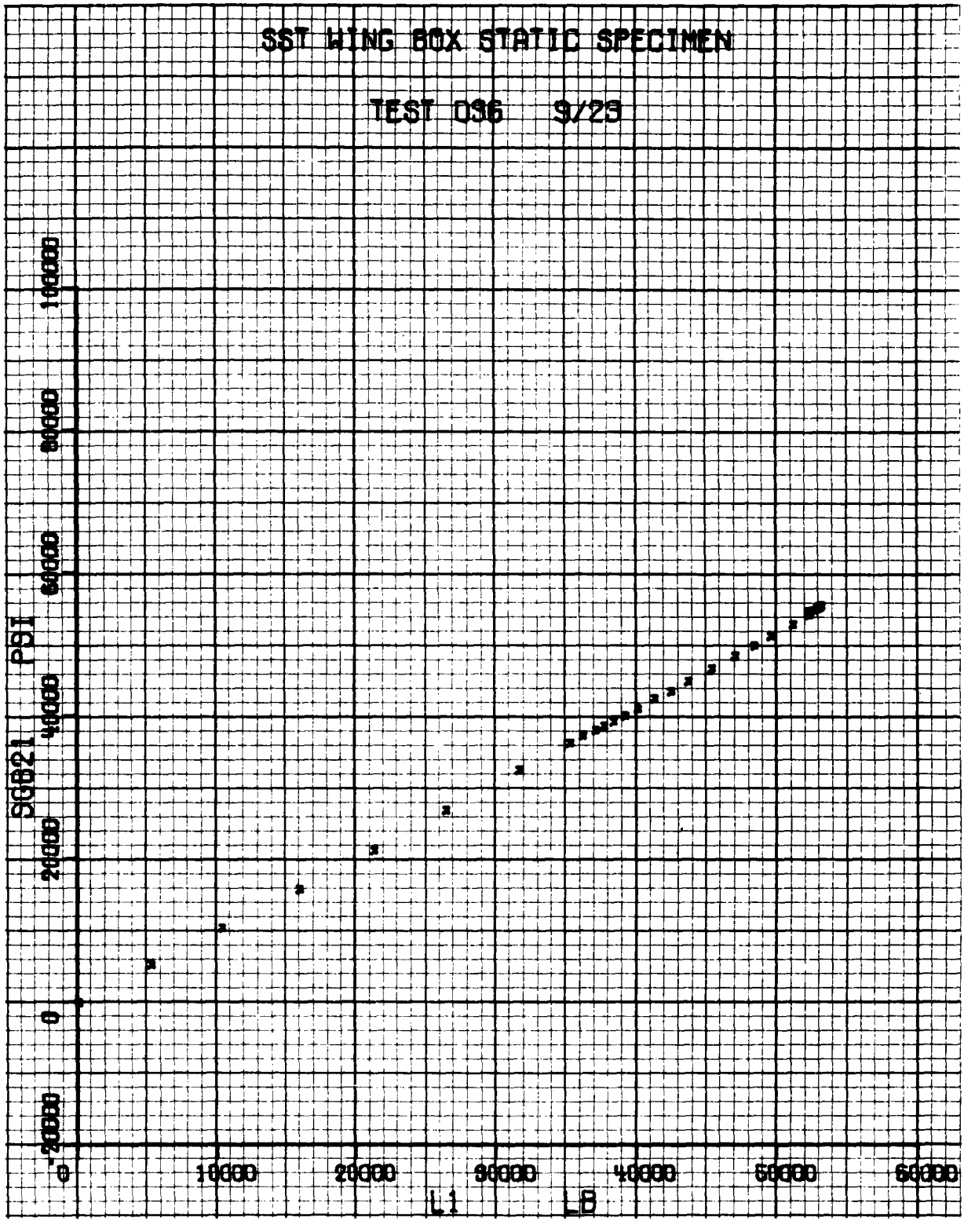
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB21 PSI
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30000
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50000
60000
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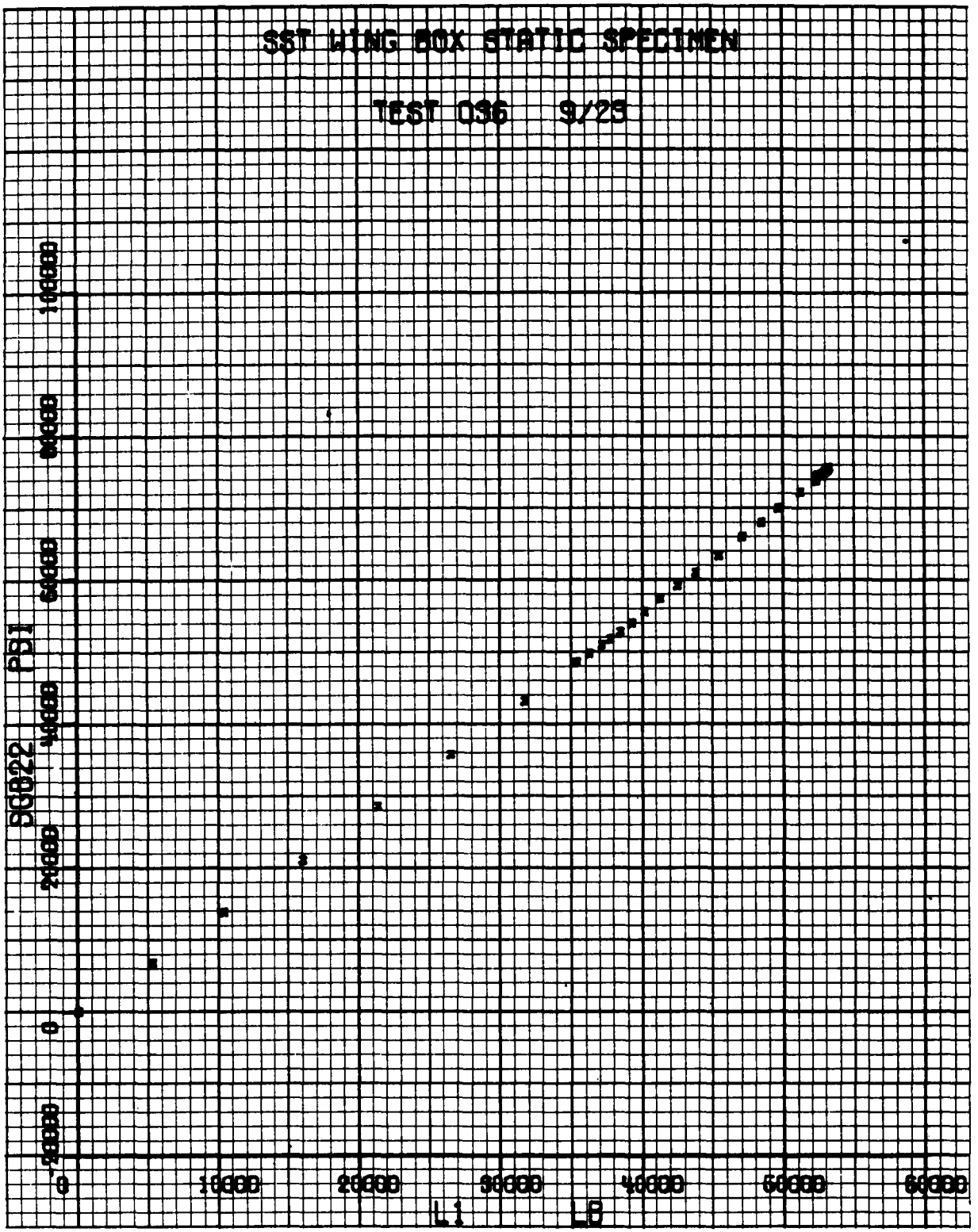
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
P81
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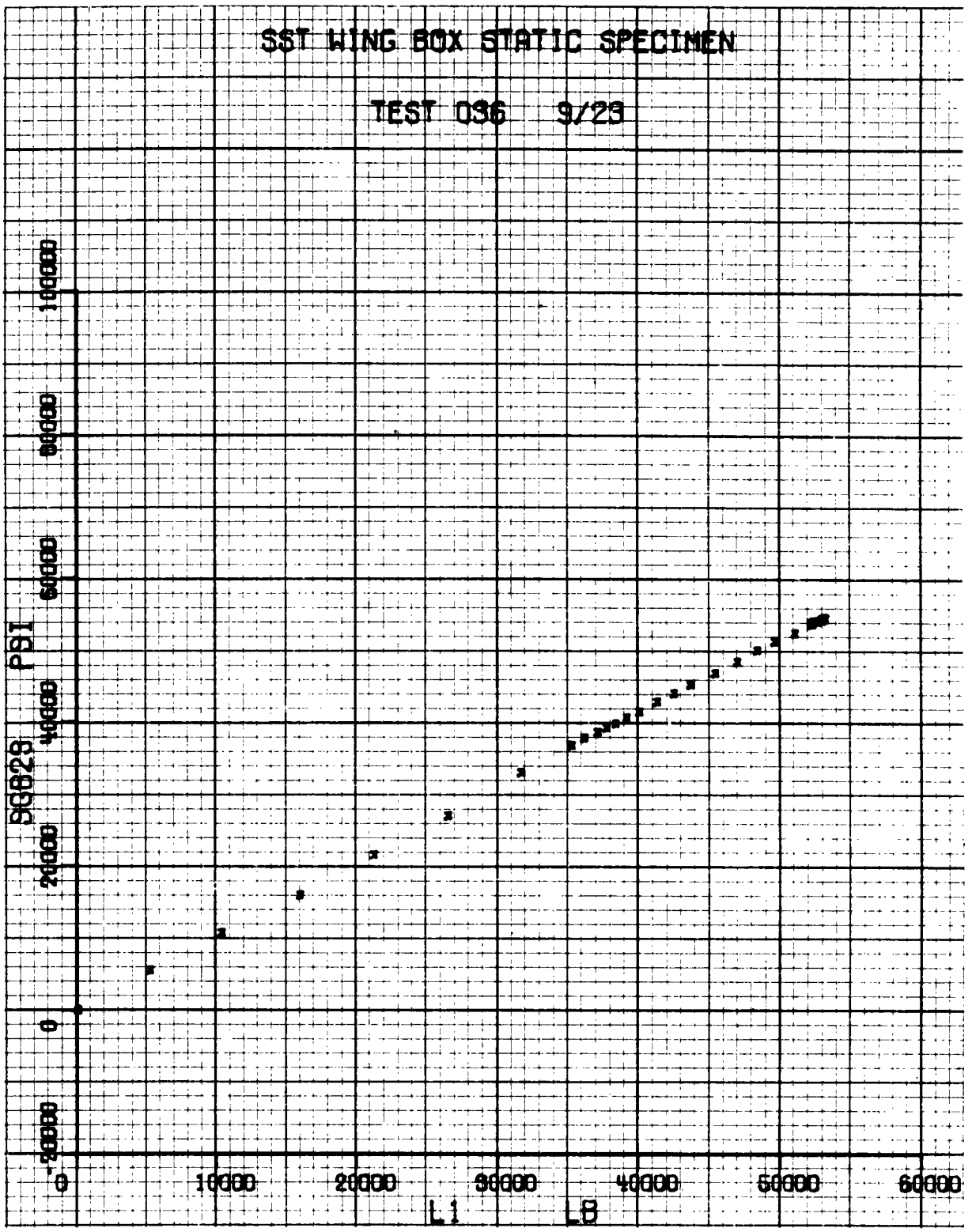
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
DGB29 PSI
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40000
20000
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20000
30000
40000
50000
60000
L1
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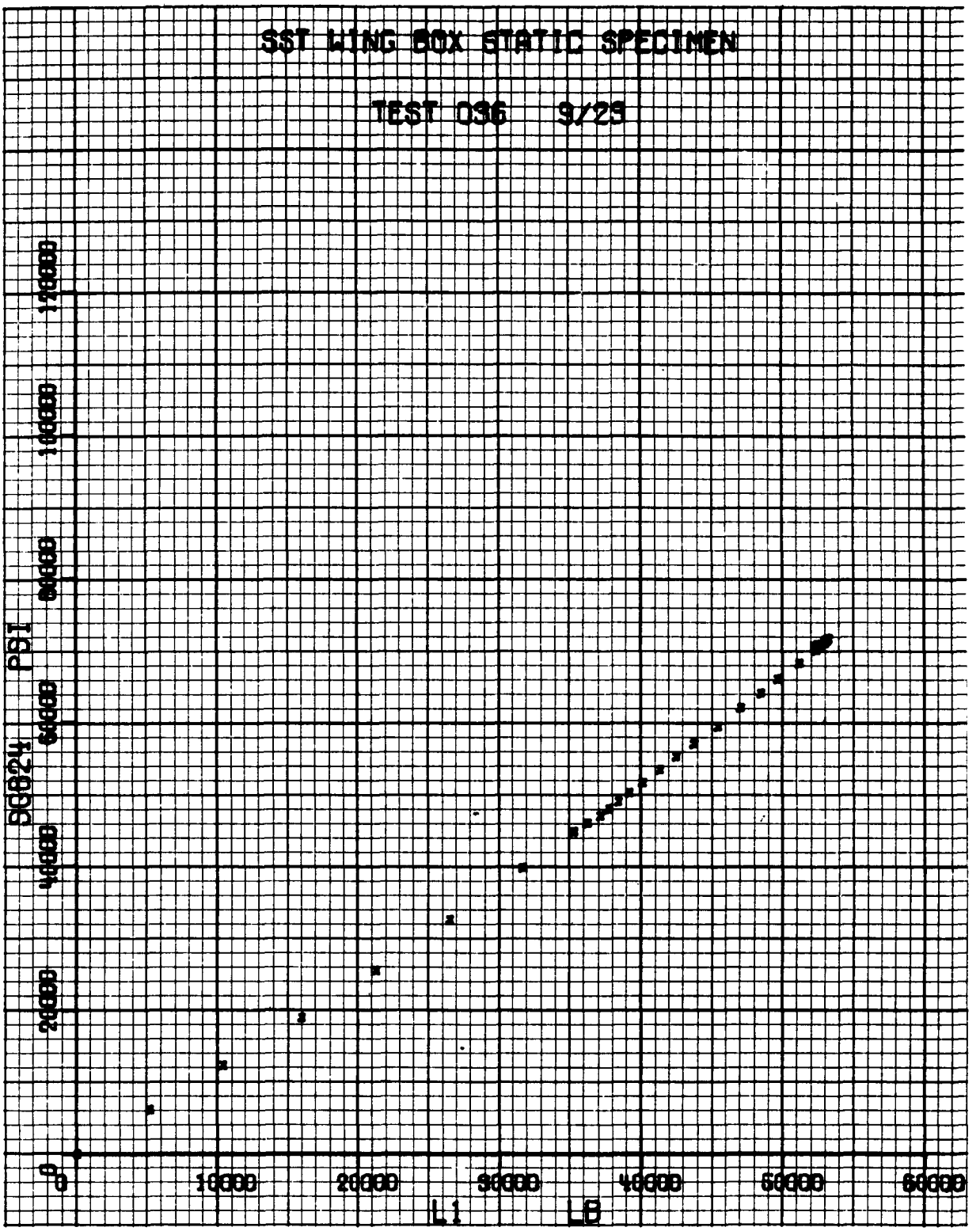
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG824 PSI
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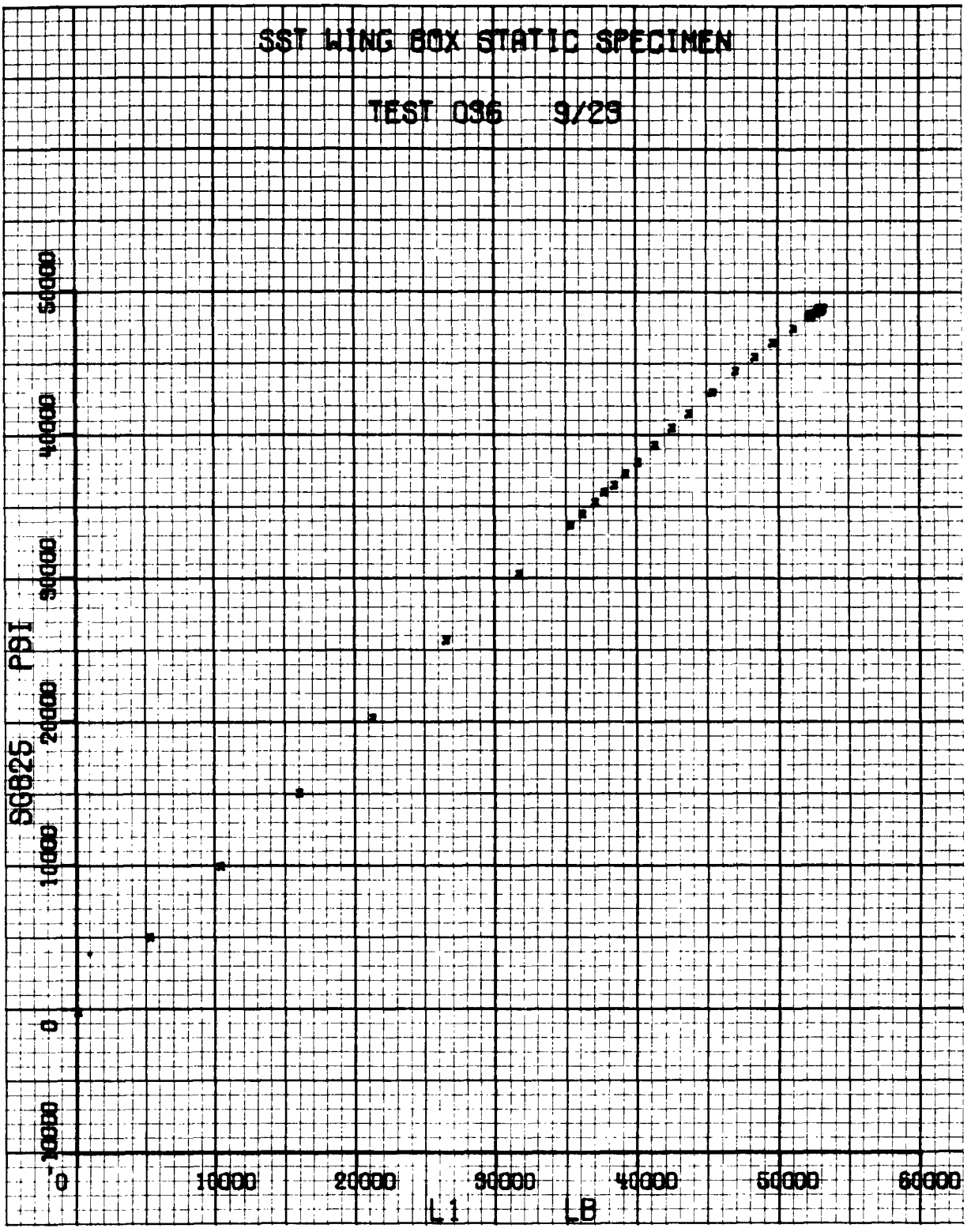
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB25 PSI
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40000
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20000
10000
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-10000
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30000
40000
50000
60000
L1
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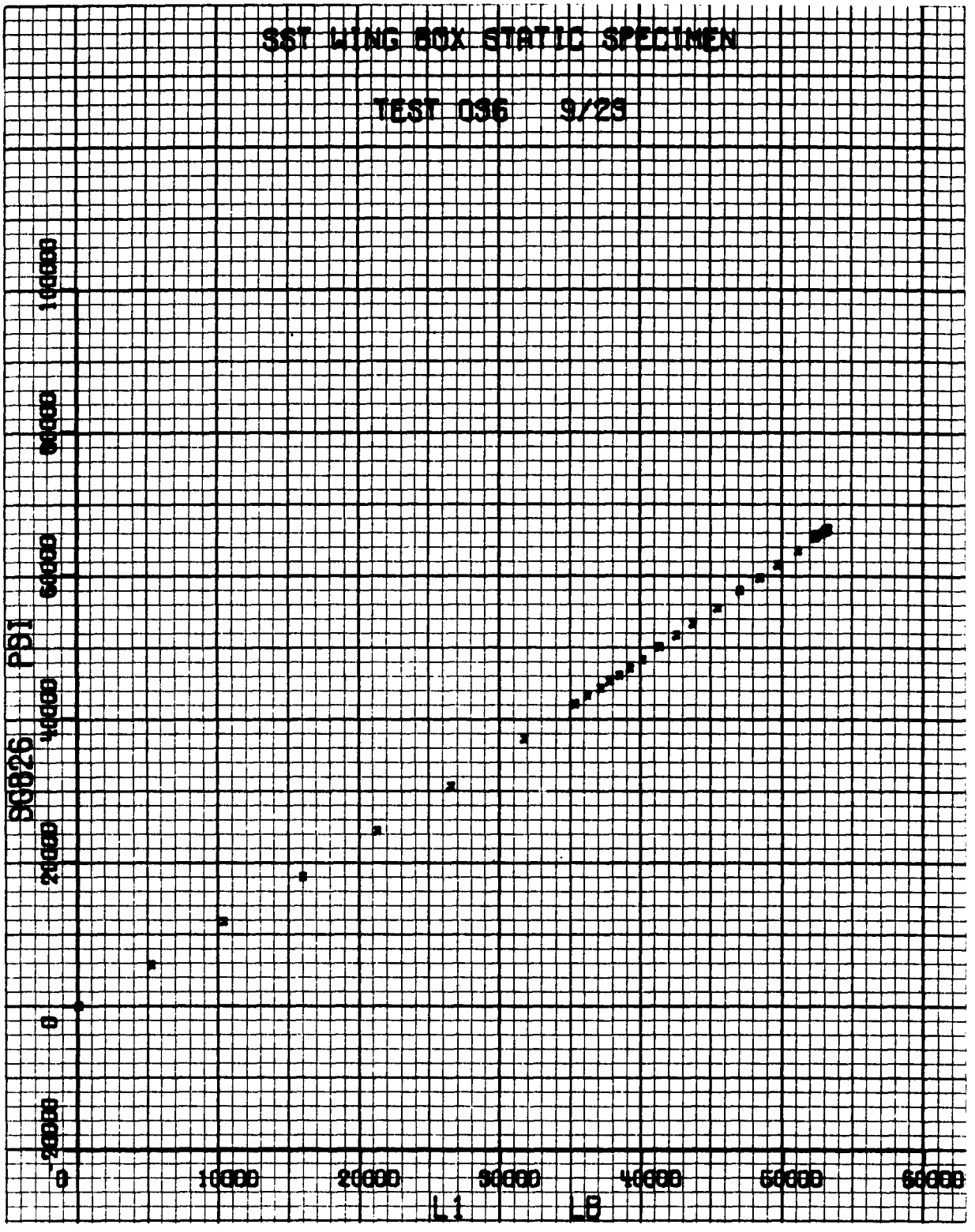
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
DG826 PSI
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30000
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50000
60000
L1
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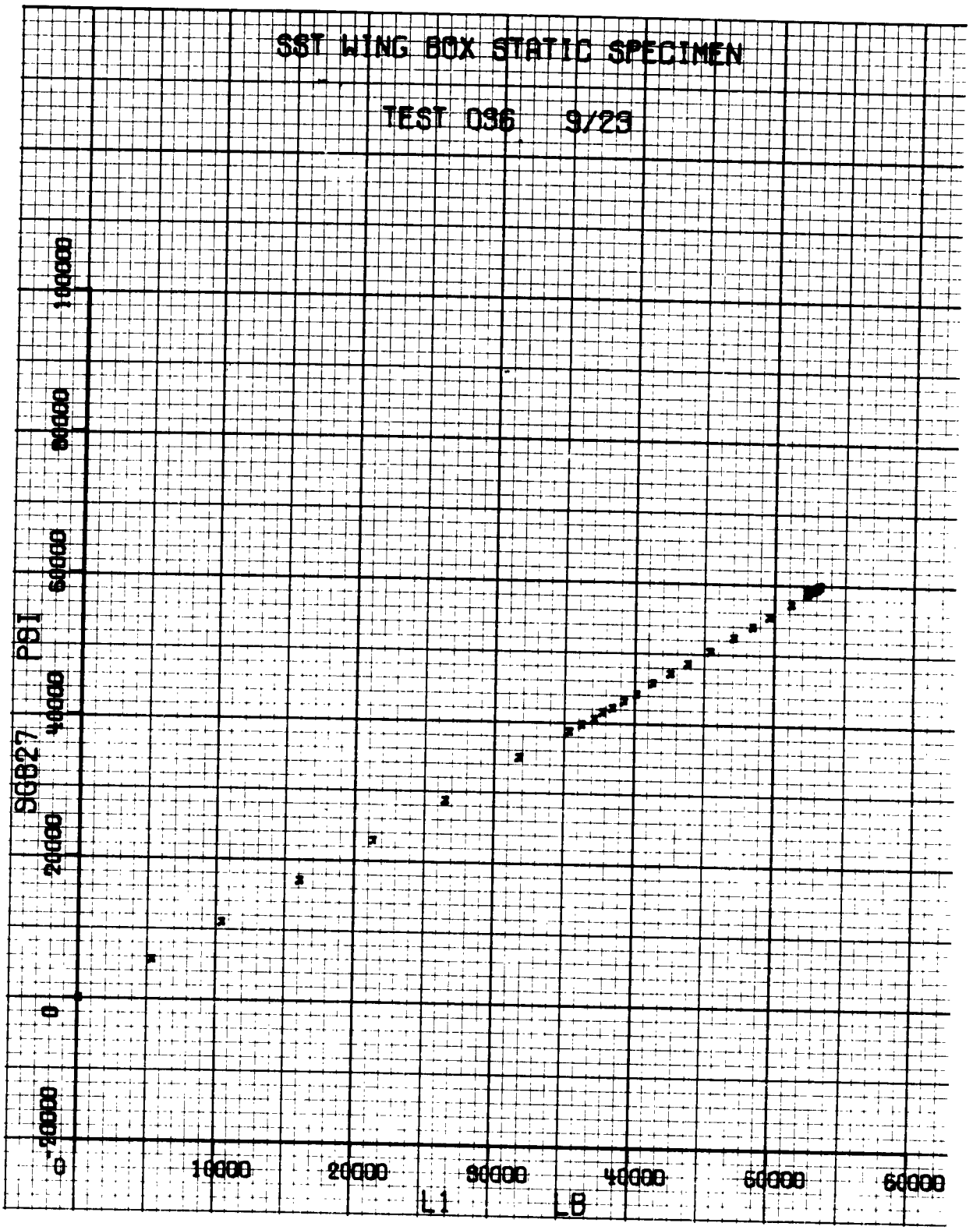
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB27 PSI
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100000
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30000
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50000
60000
L1
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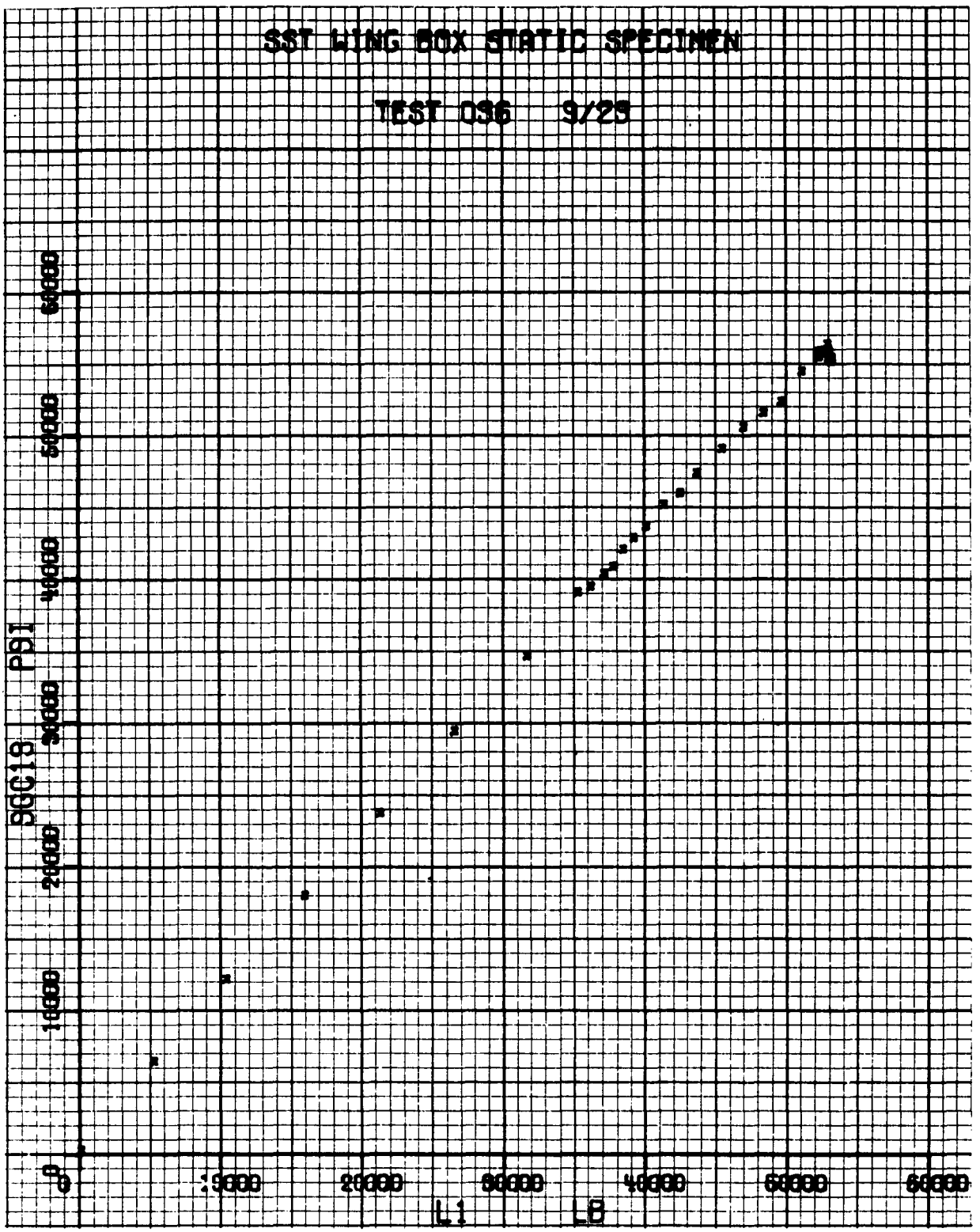
SST WING BOX STATIC SPECIMEN
TEST 036 9/25
SGC19 PSI
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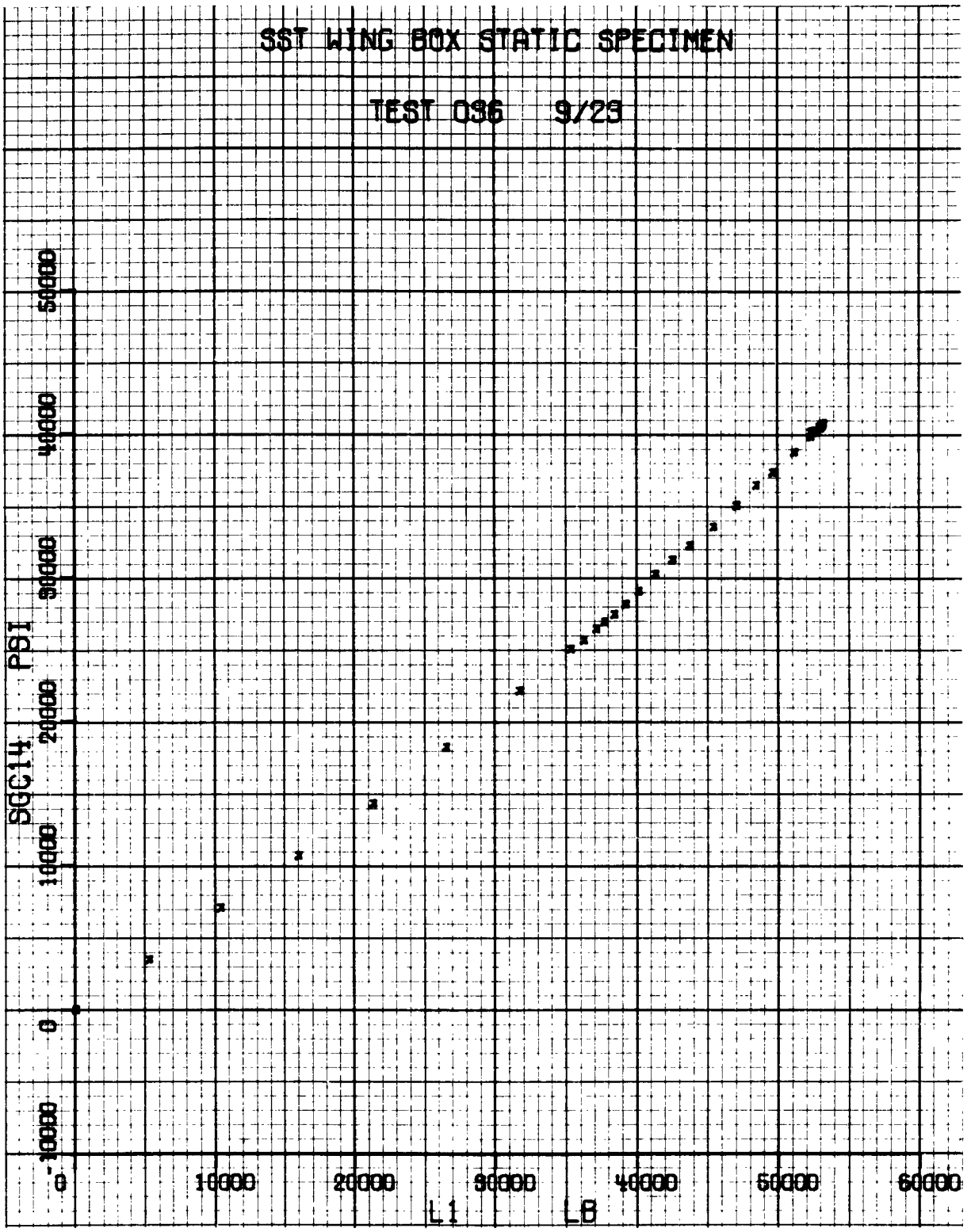
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC14 PSI
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10000
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30000
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50000
60000
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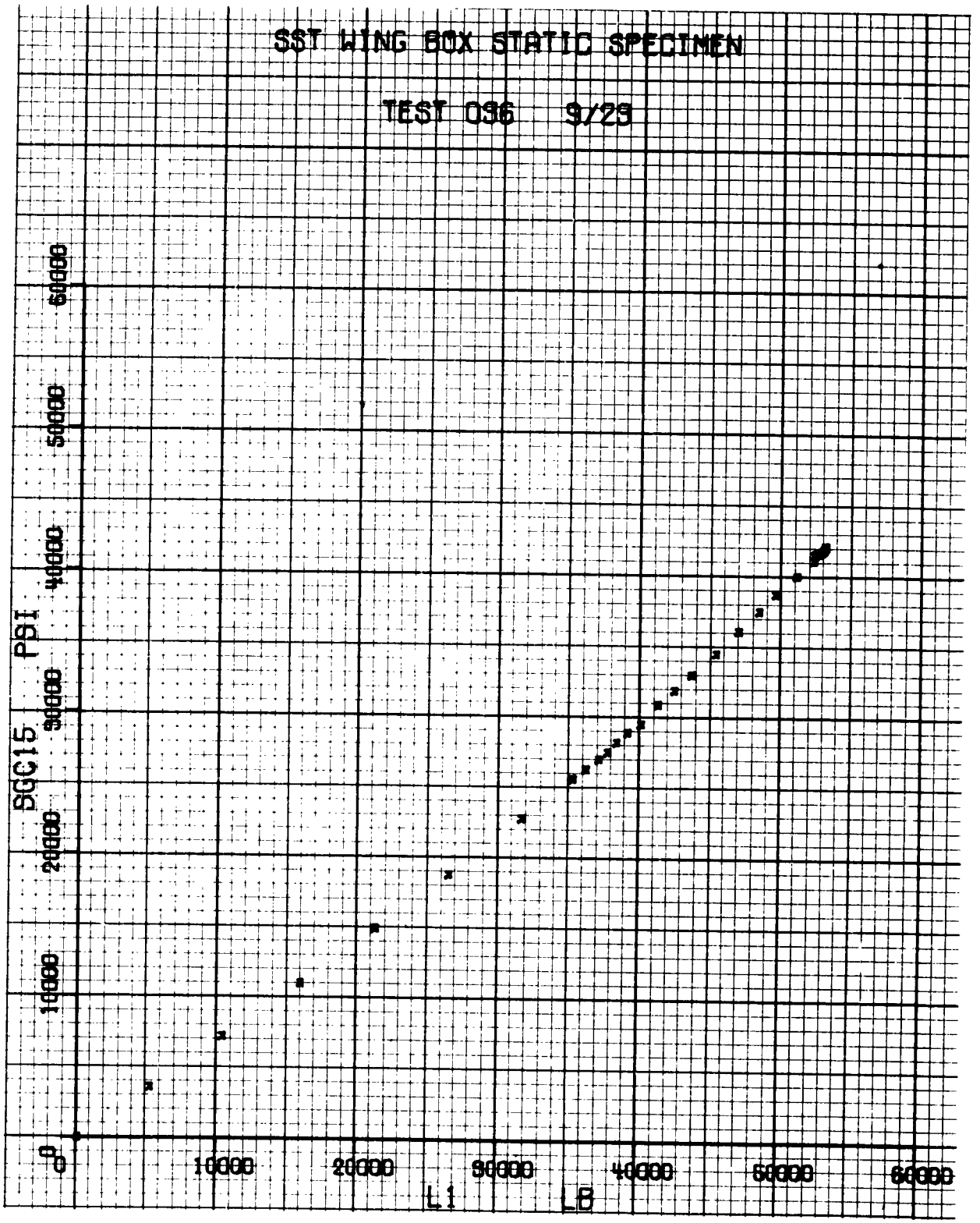
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC15 PSI
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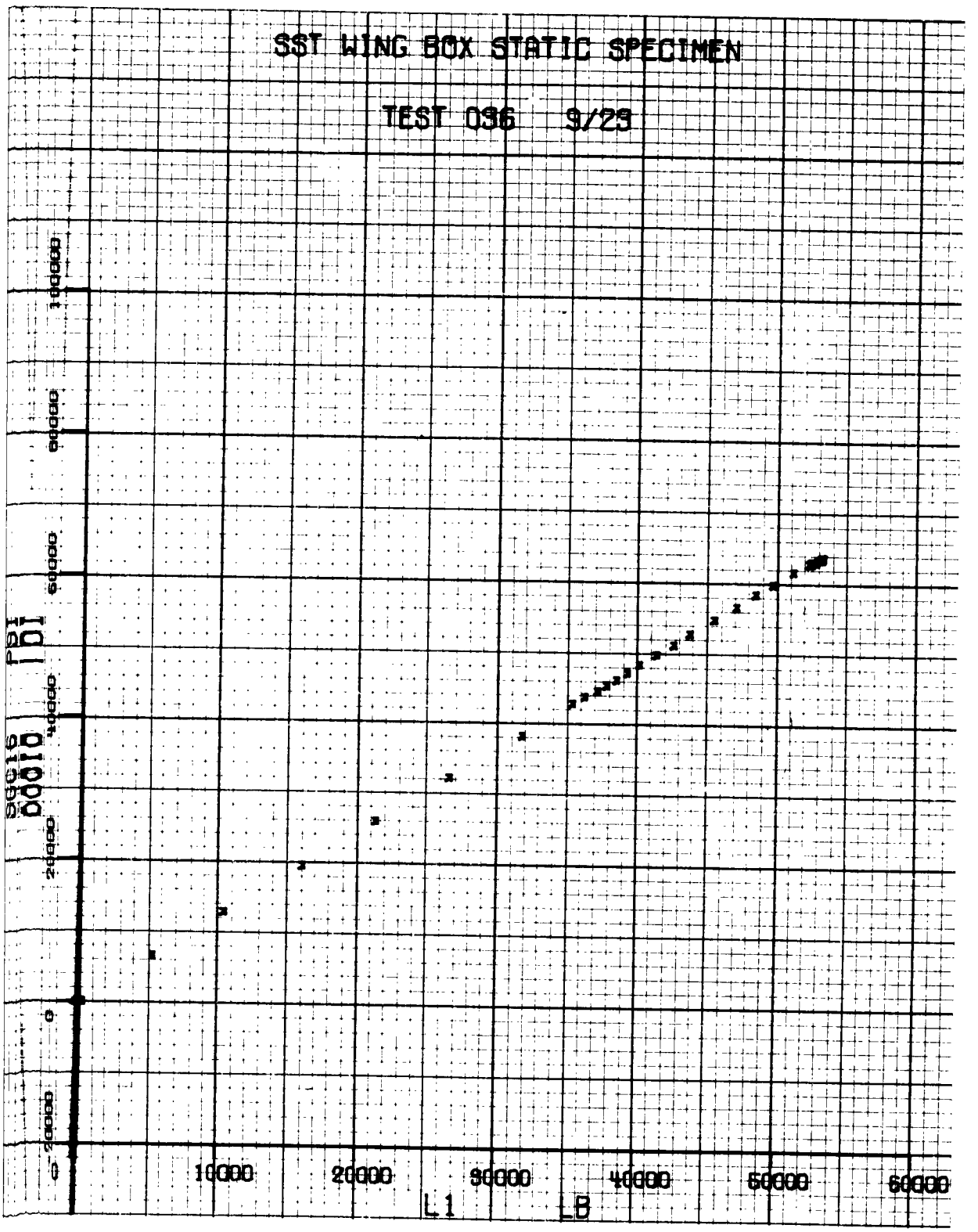
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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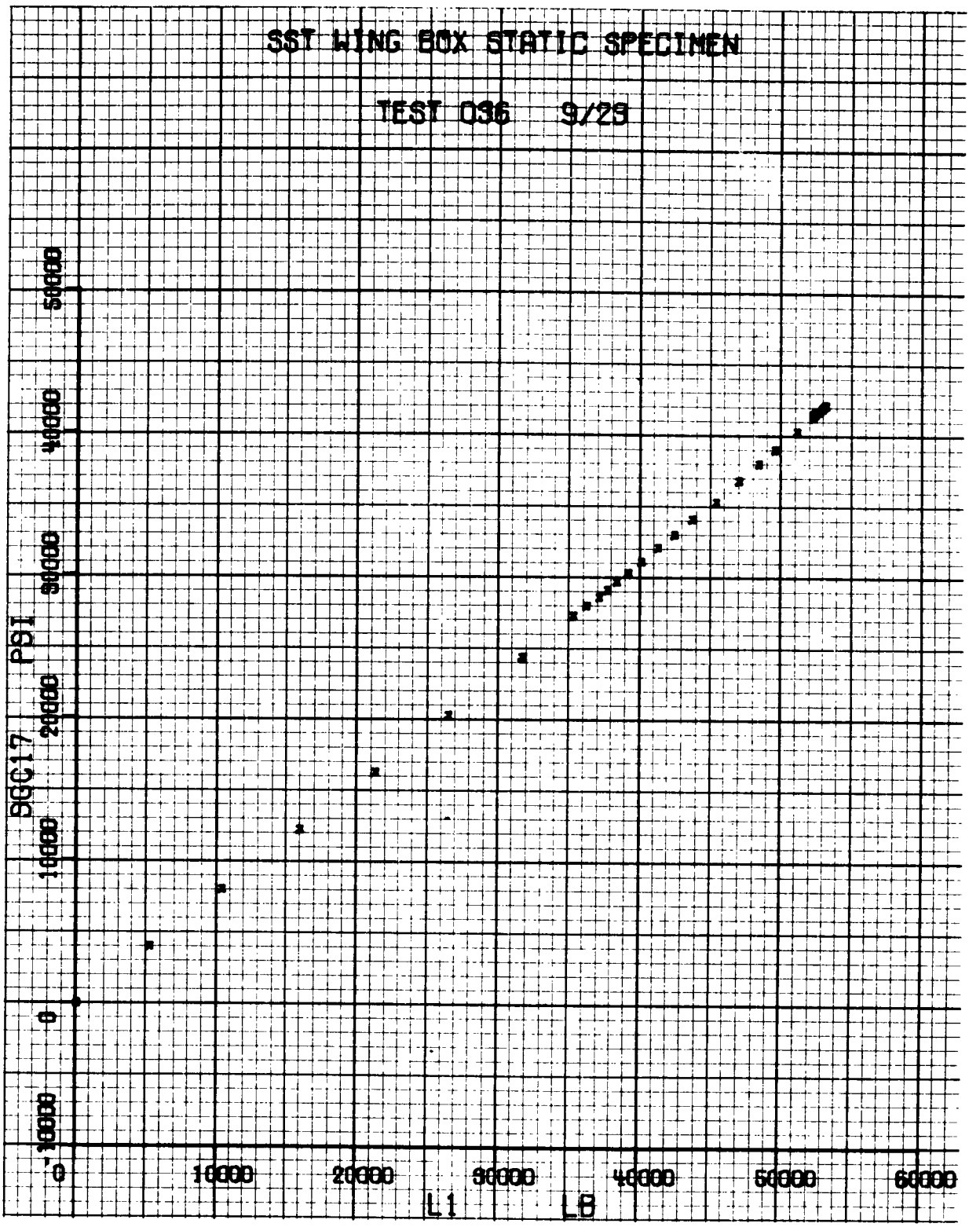
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/29
SGC17 PSI
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30000
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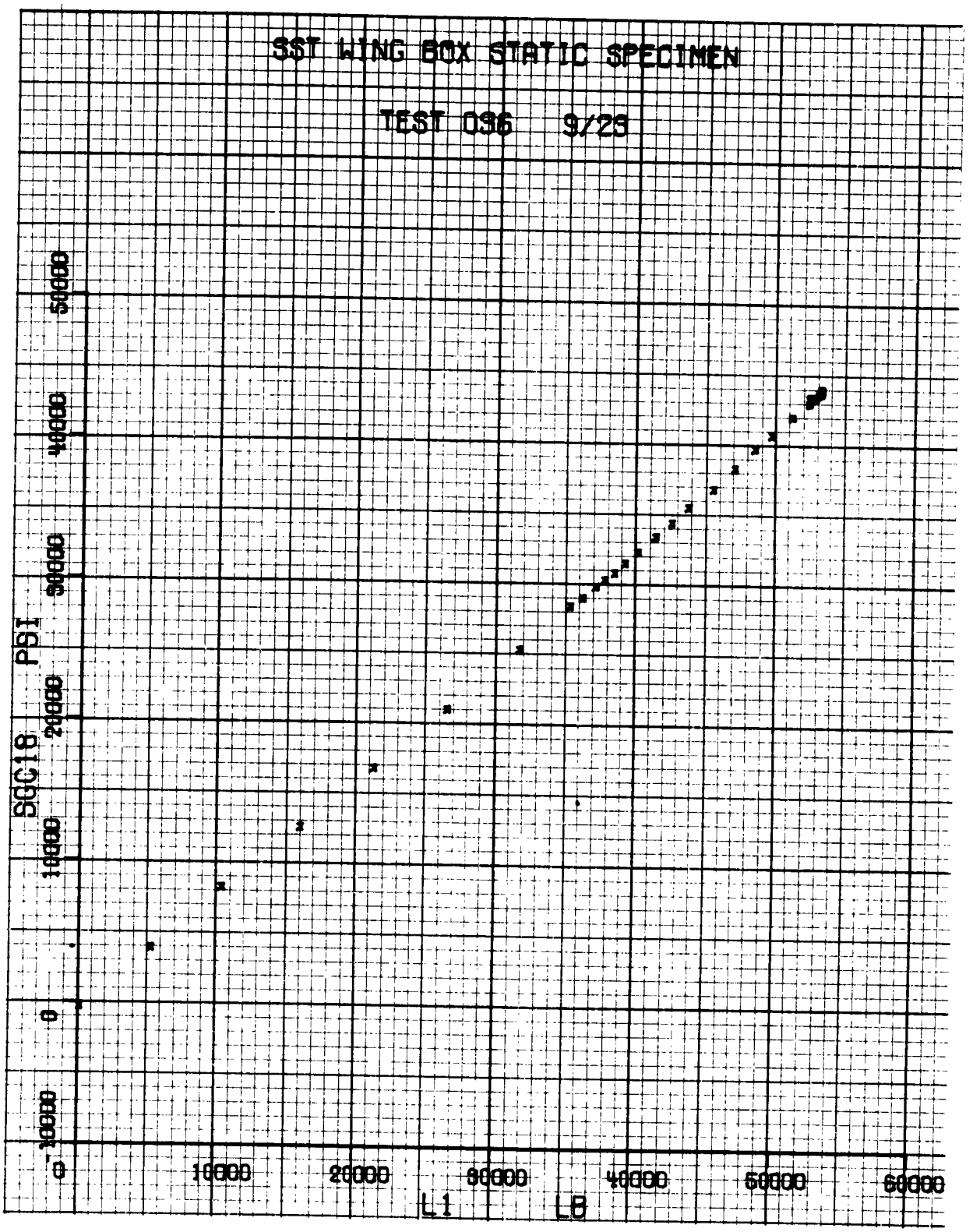
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC18 PSI
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30000
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60000
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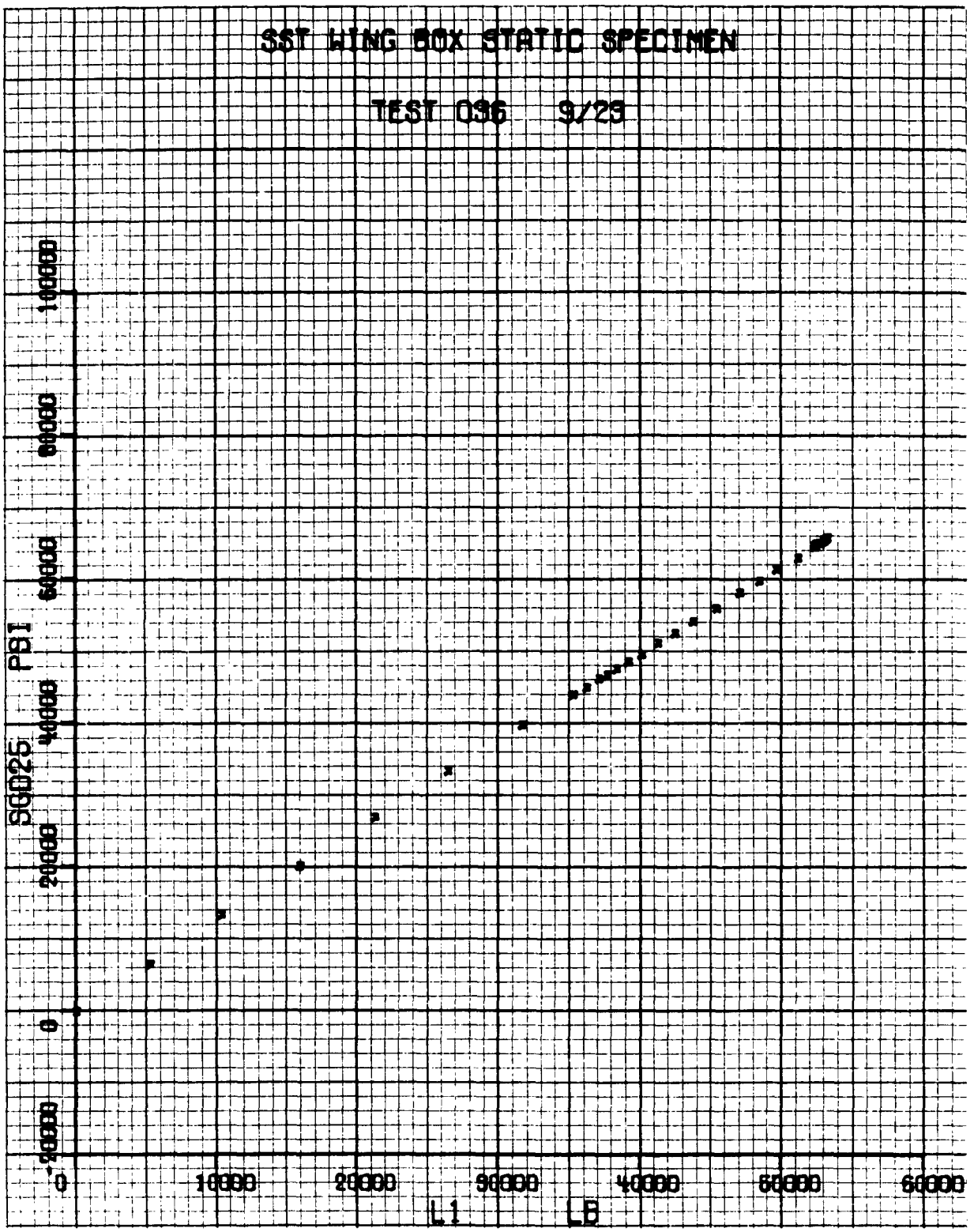
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG025 PSI
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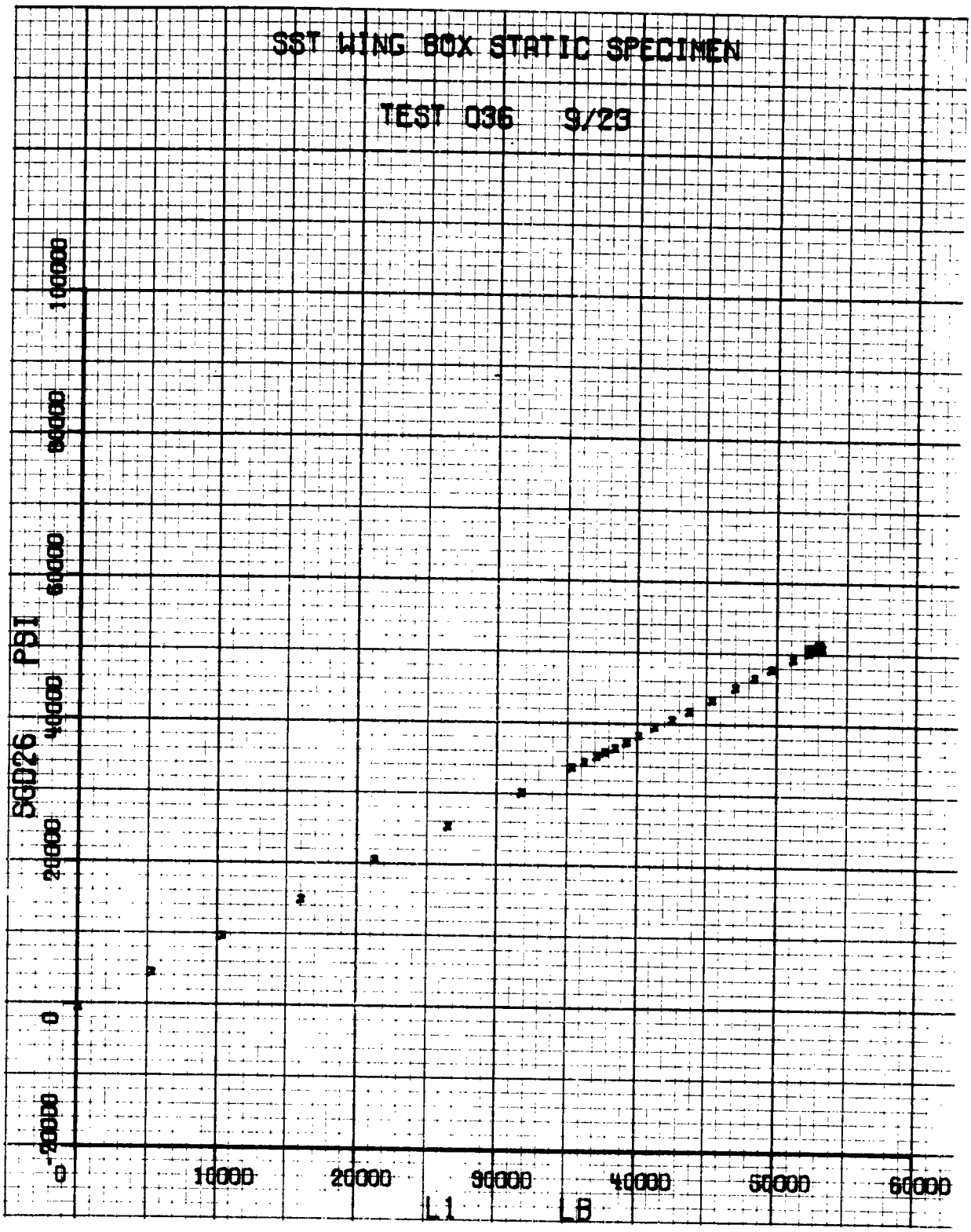
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD26 PSI
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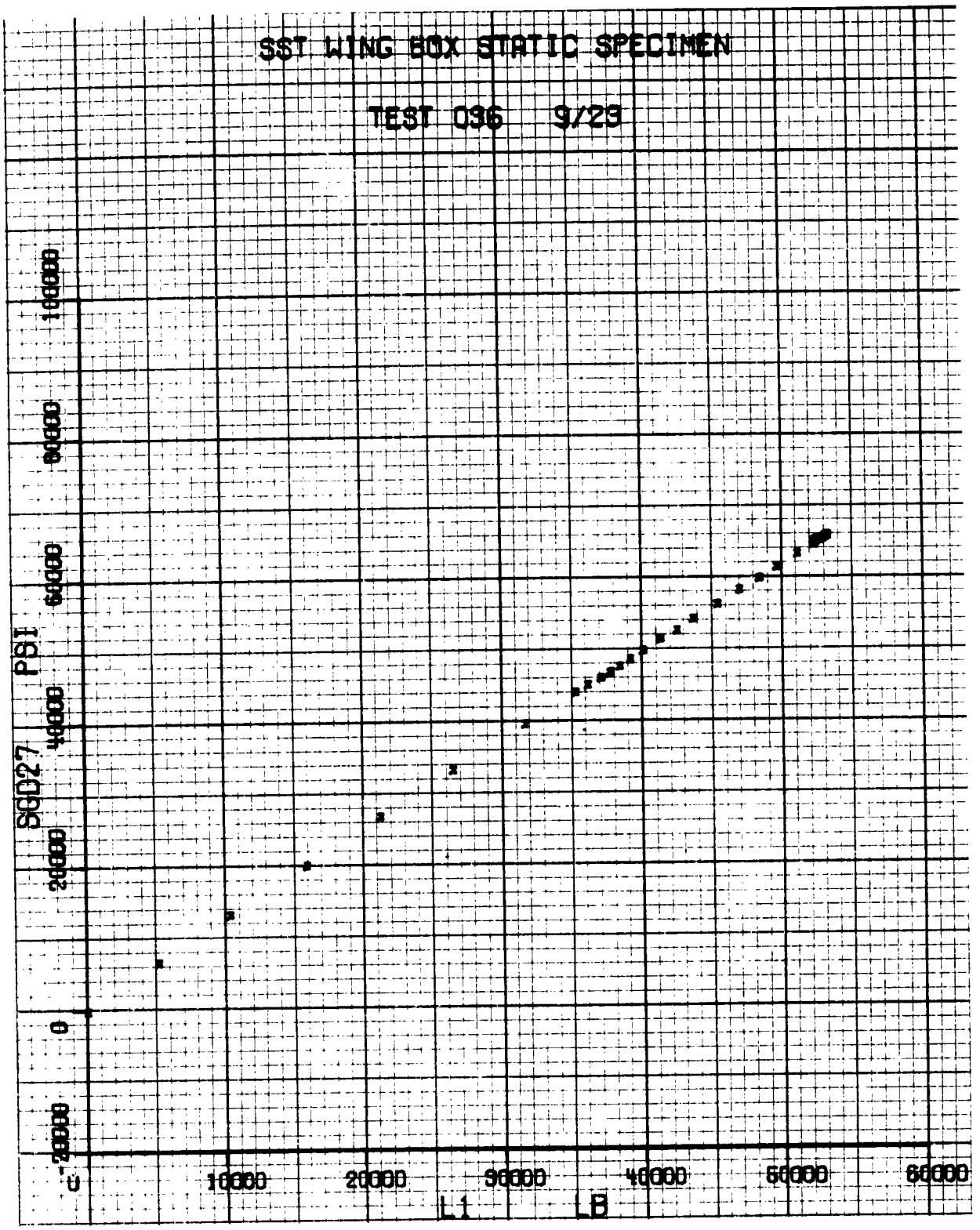
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD27 PSI
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50000
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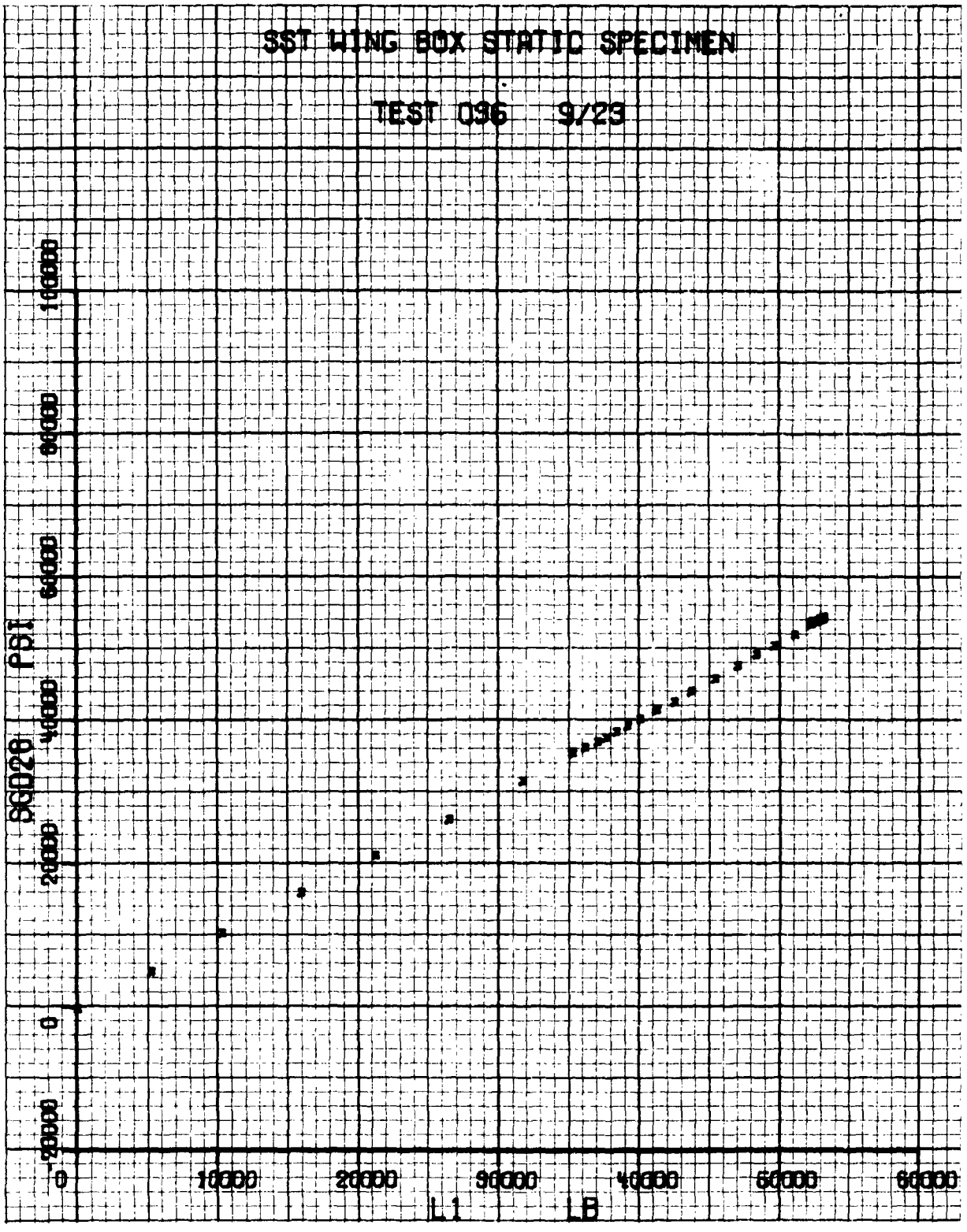
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG026 PSI
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50000
60000
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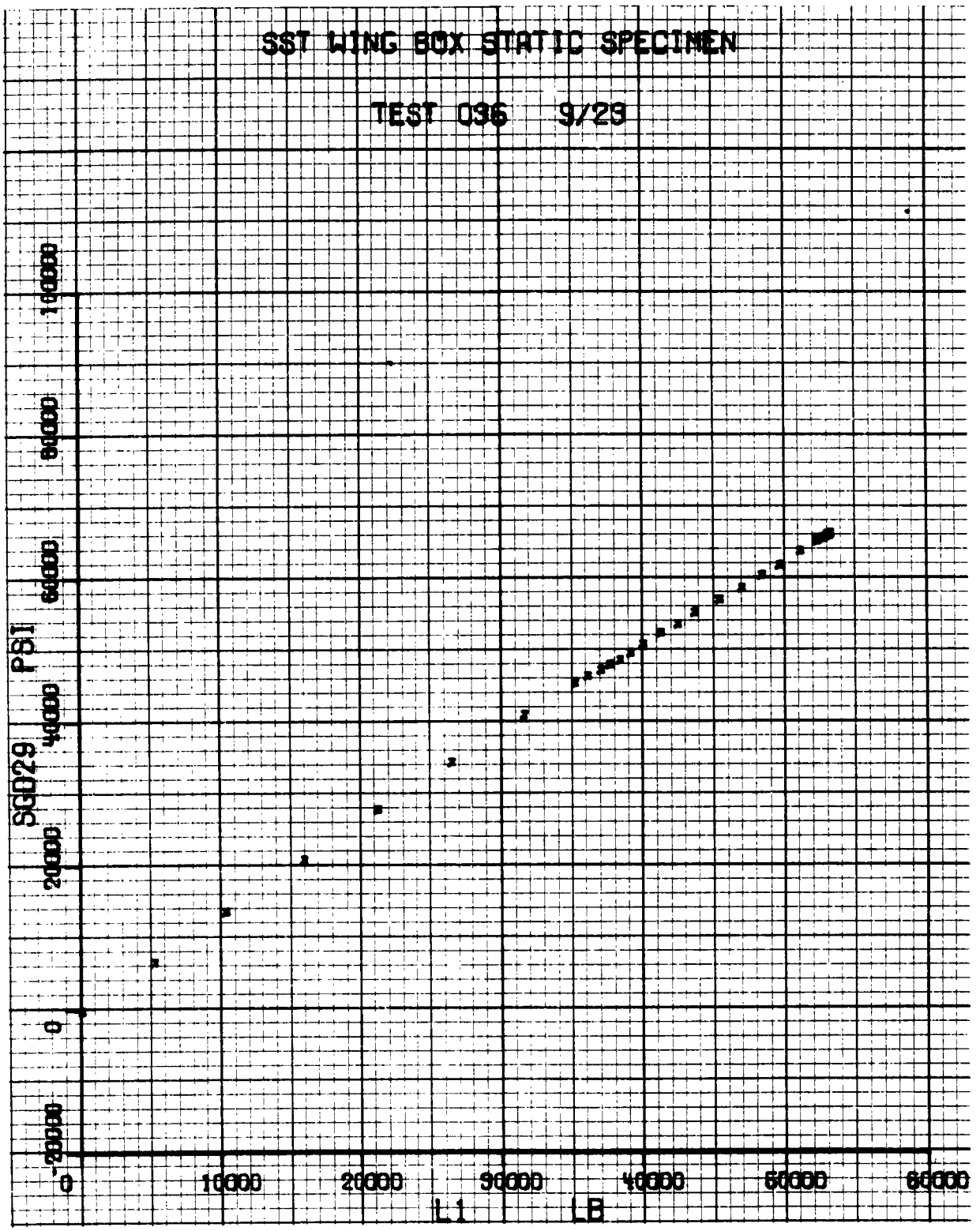
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD29 PSI
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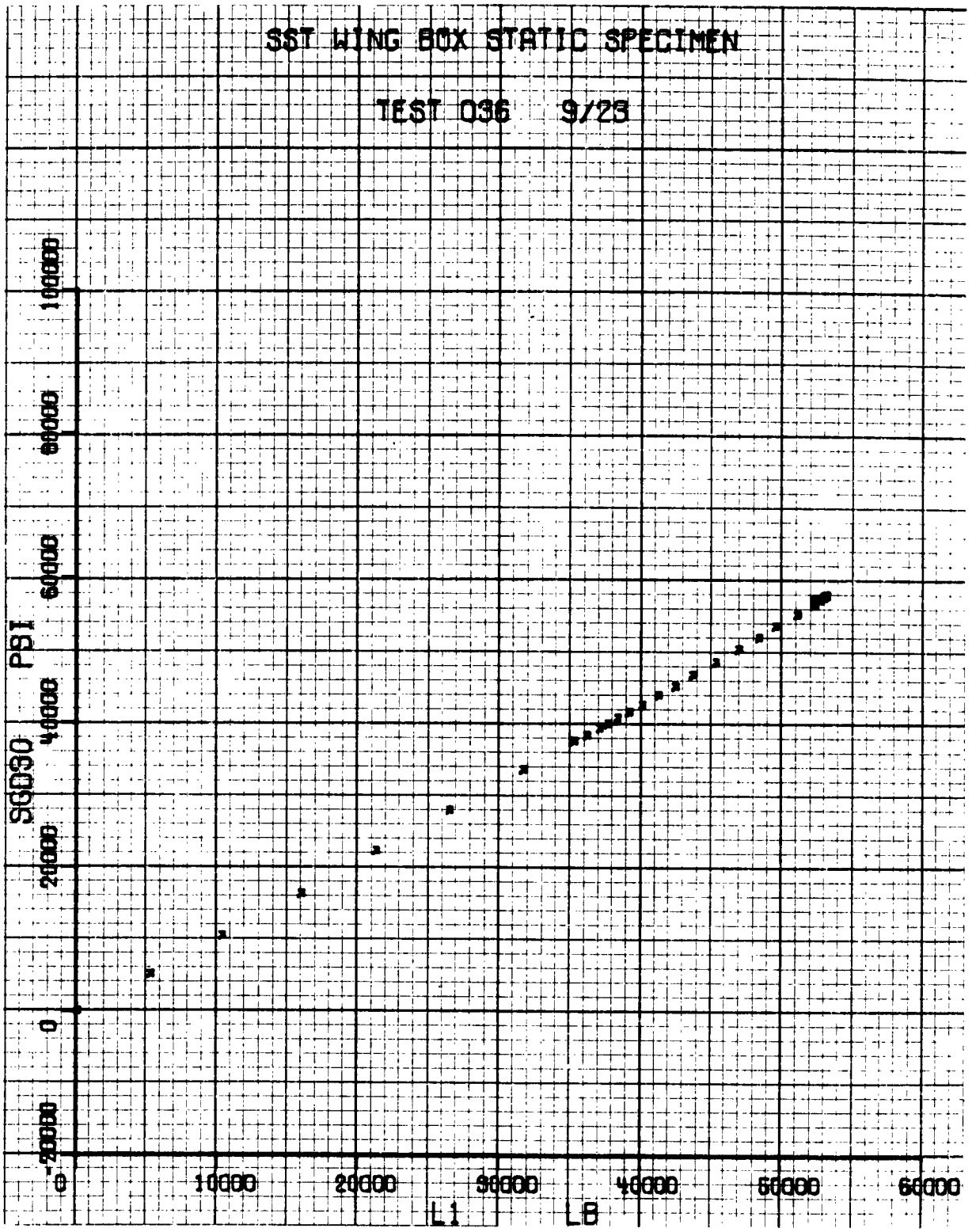
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG030 PSI
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60000
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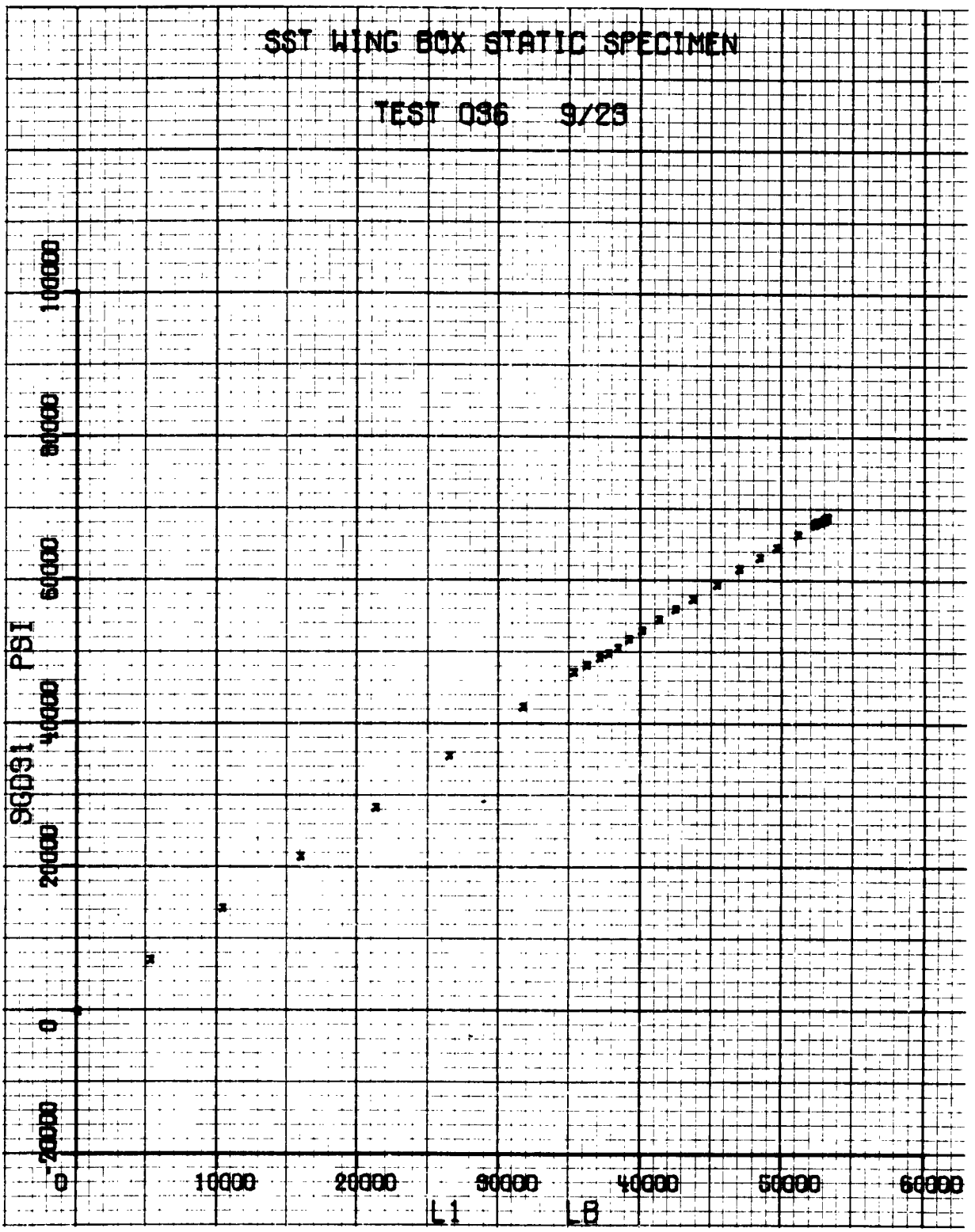
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG031 PSI
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60000
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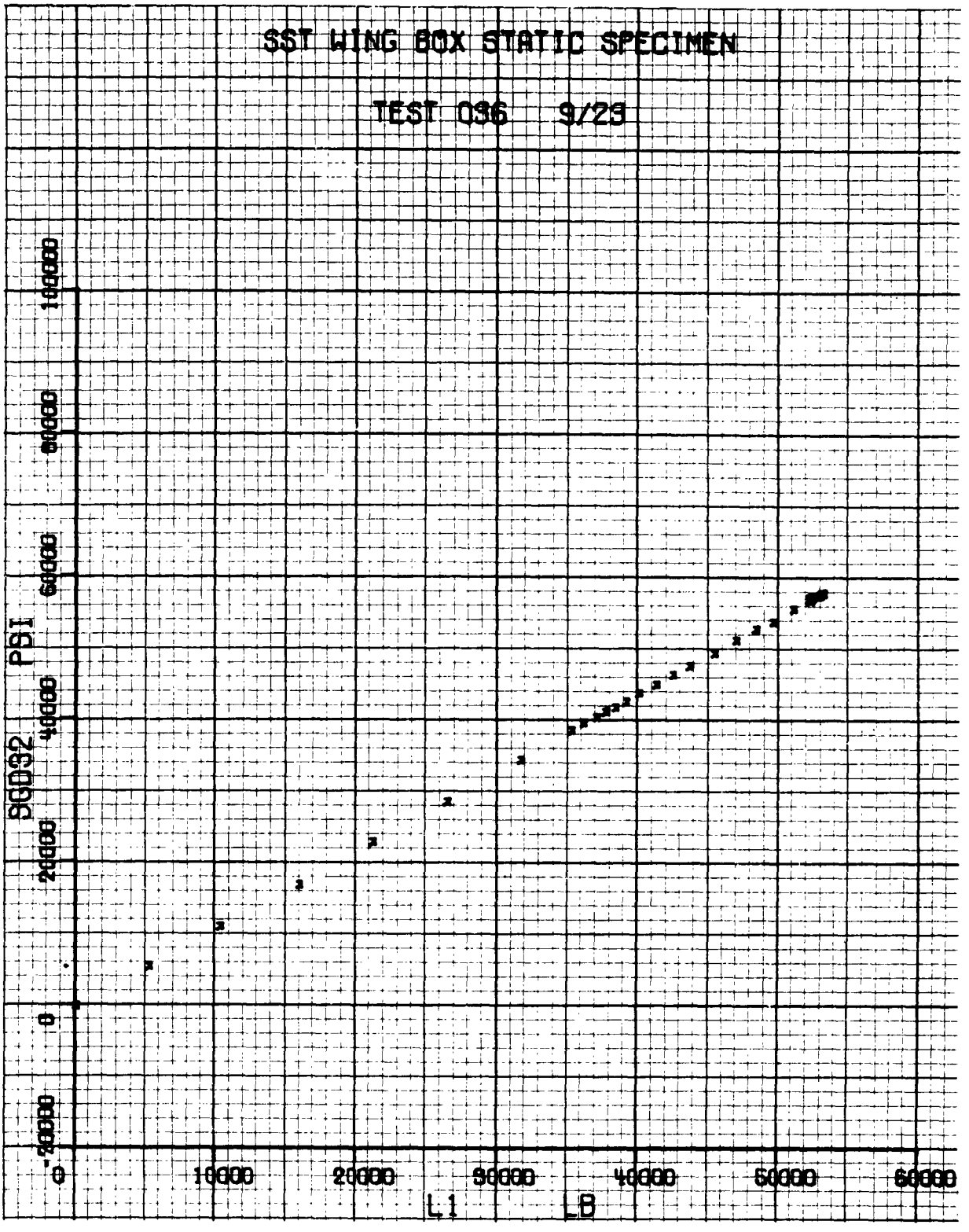
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD32 PSI
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30000
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50000
60000
L1
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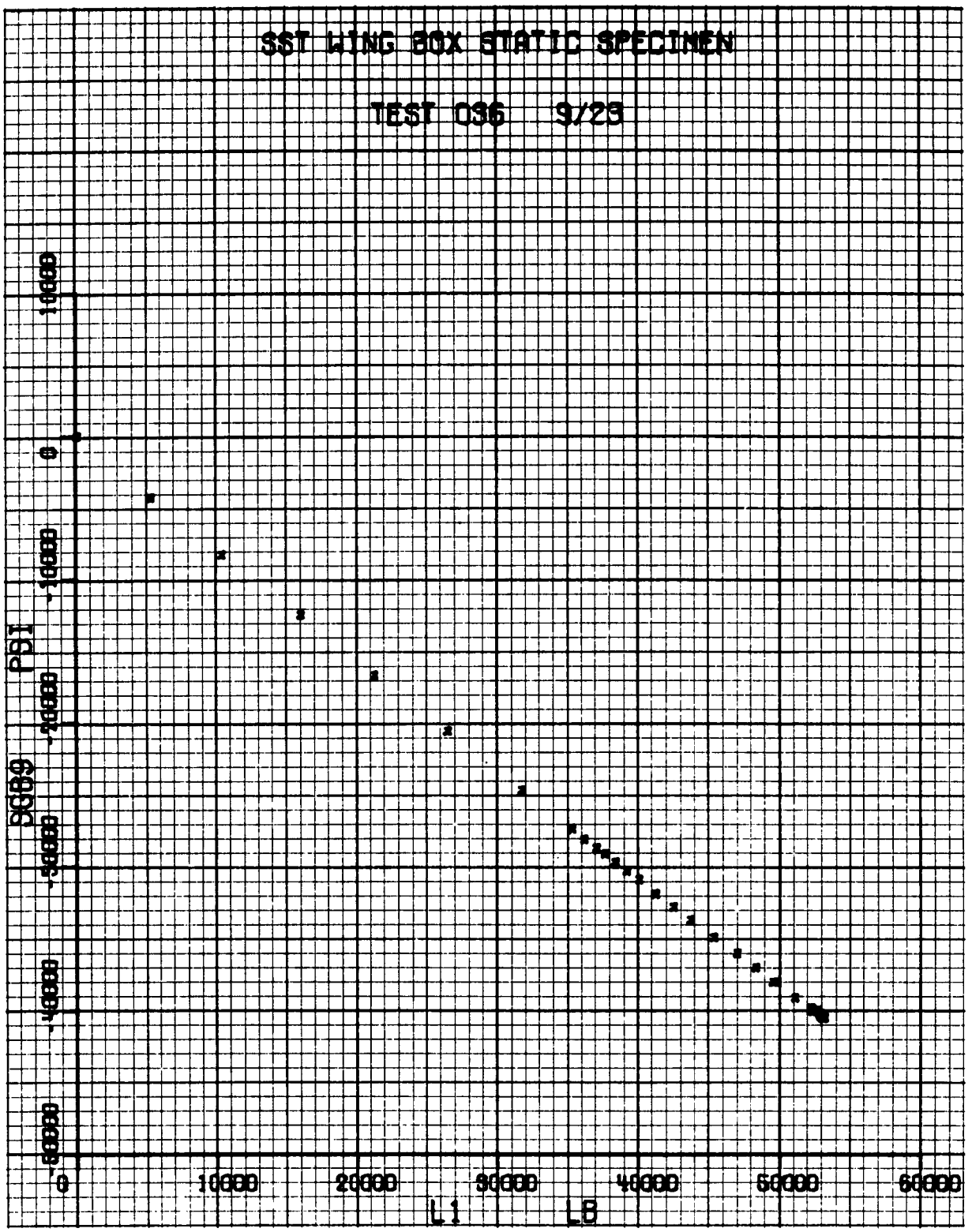
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
SG89
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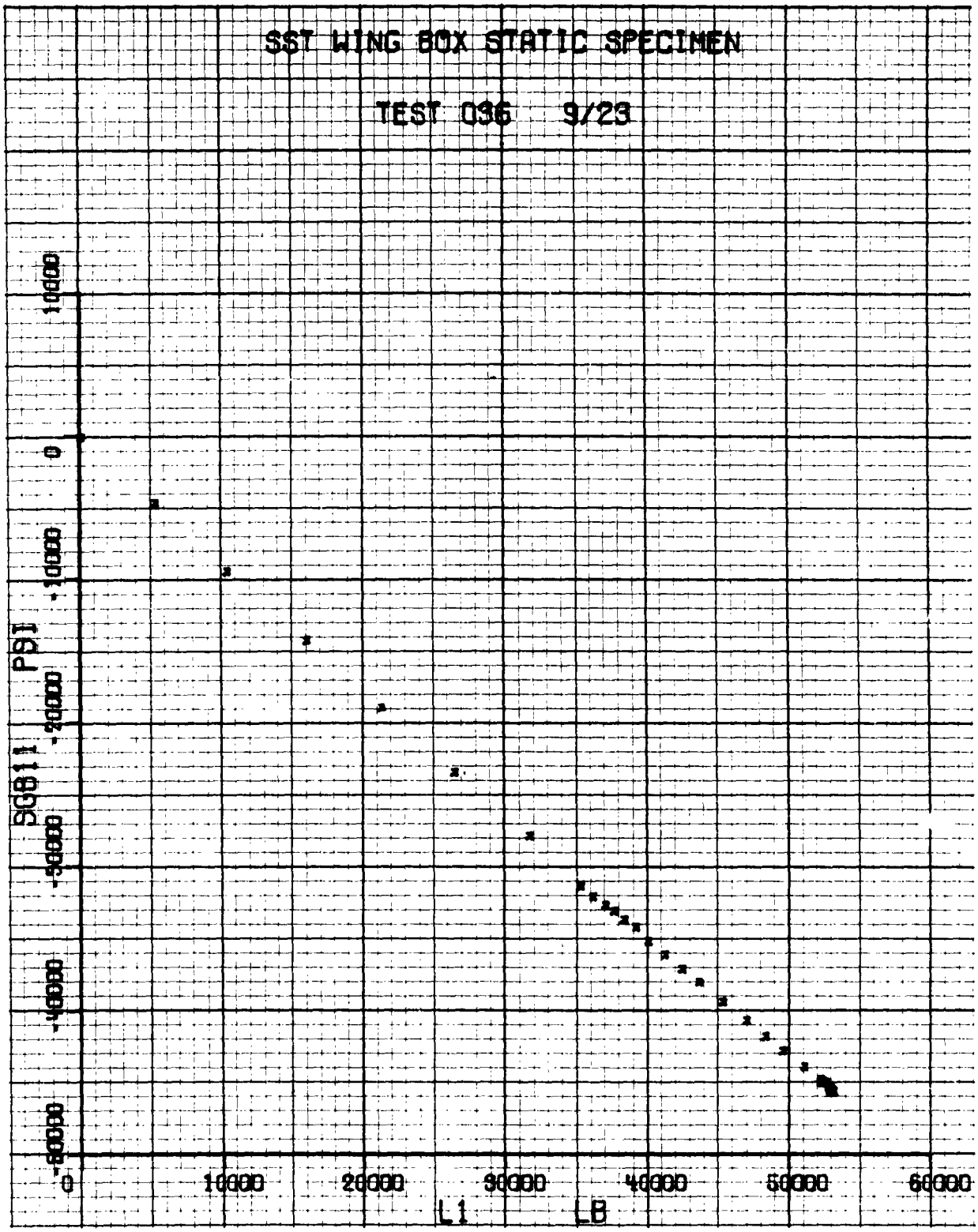
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG811 PSI
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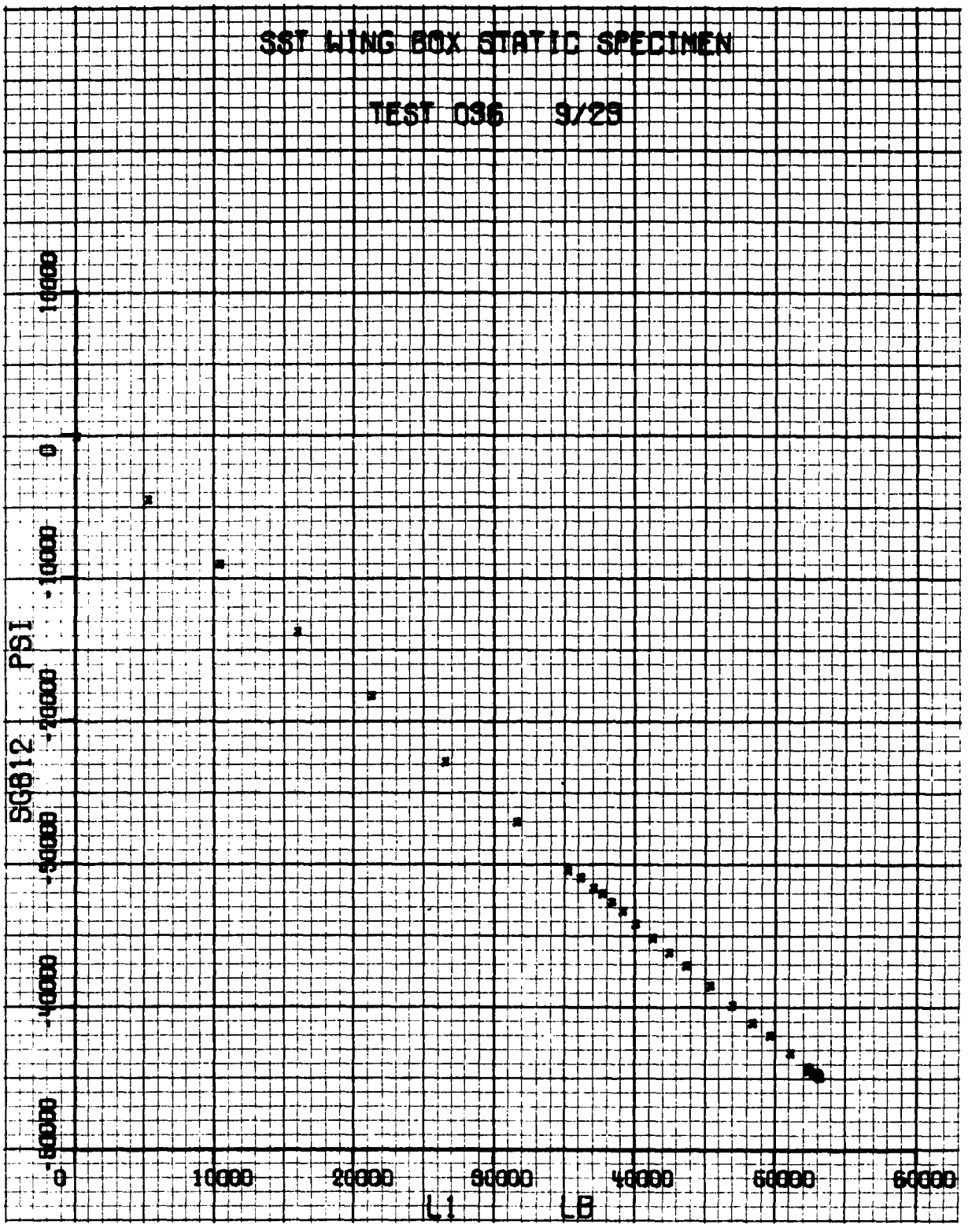
60000
L1
LB


SST WING 60X STATIC SPECIMEN
TEST 036 9/29
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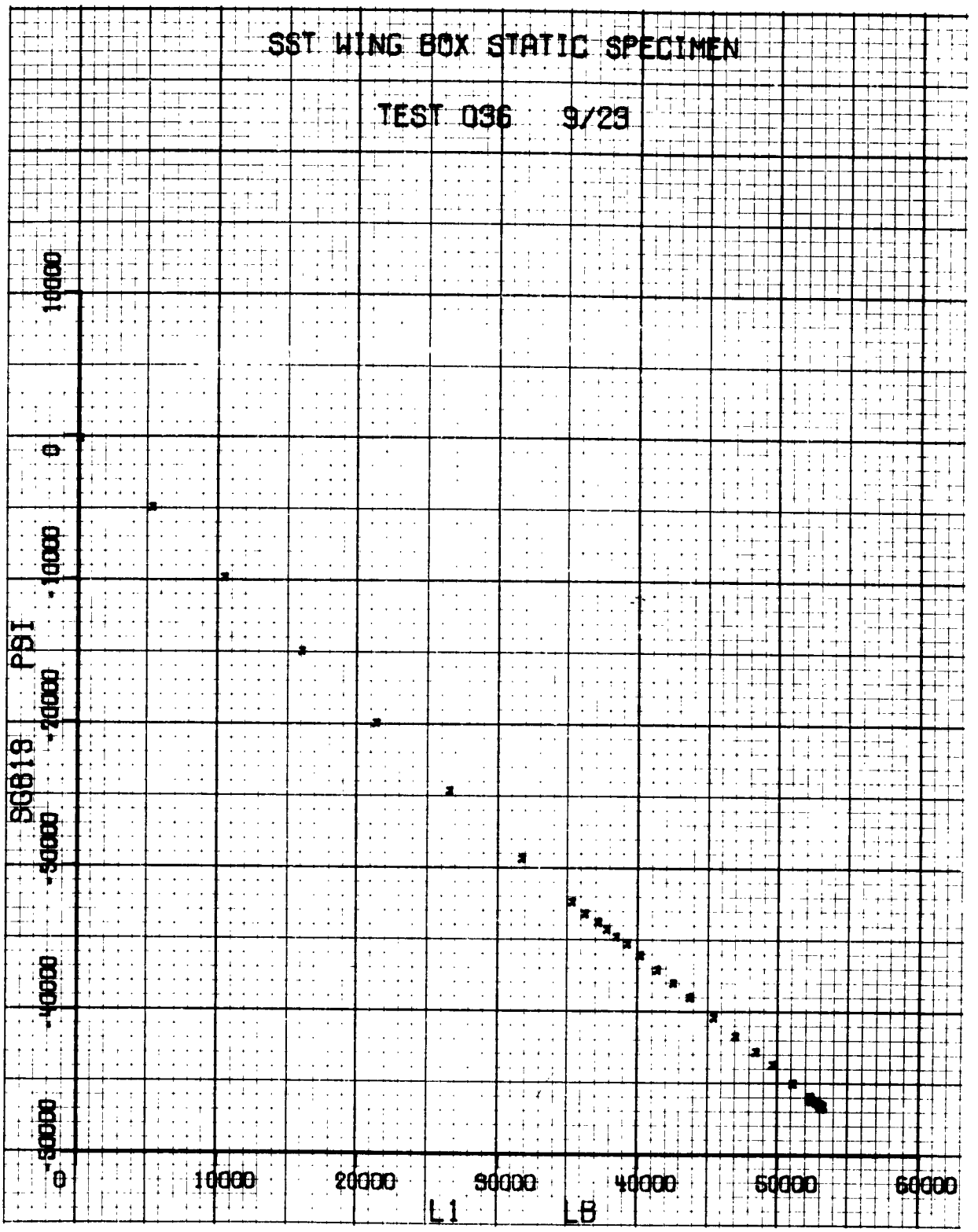
50000
60000
LI
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG818 PSI
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30000
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60000
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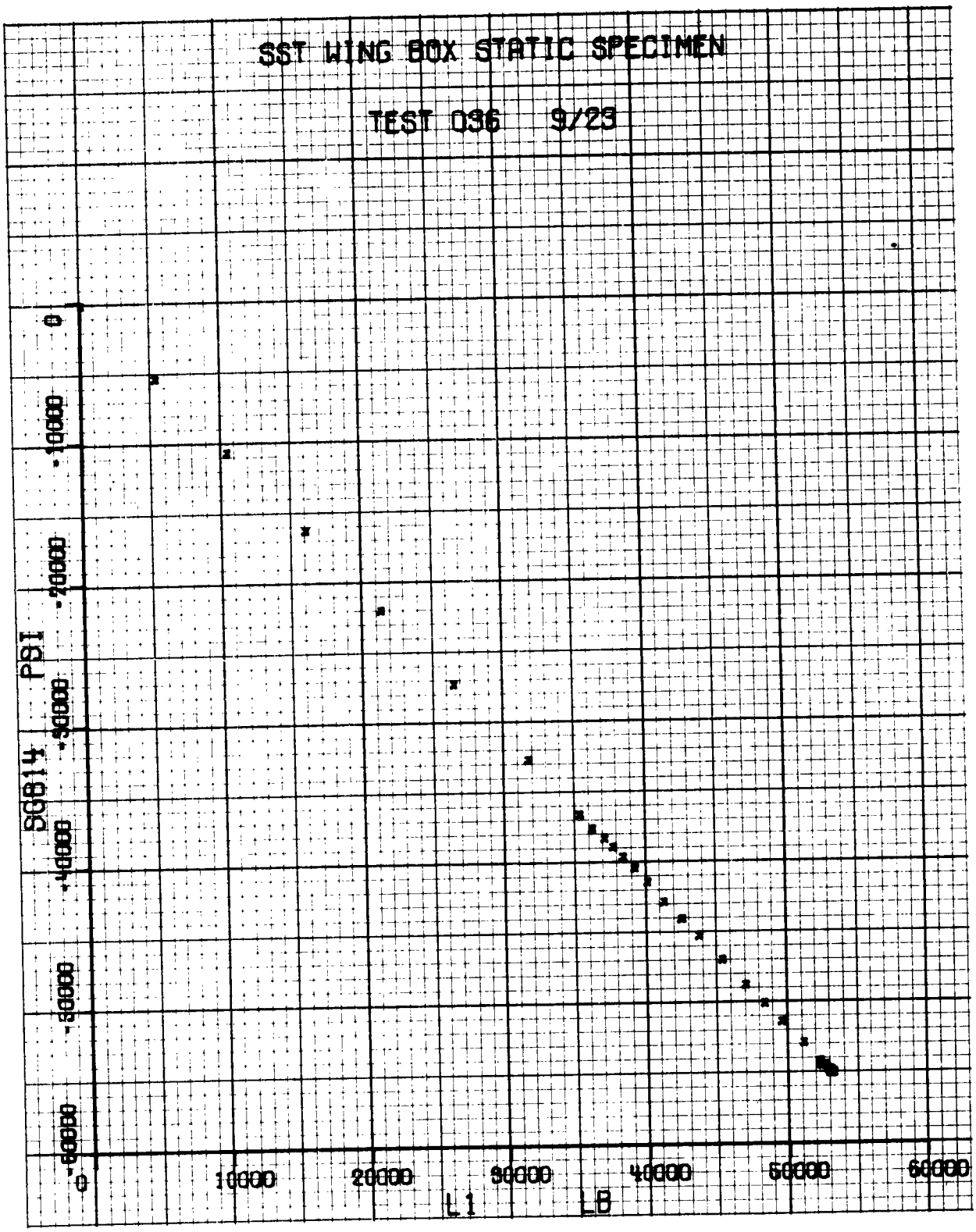
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG814 PSI
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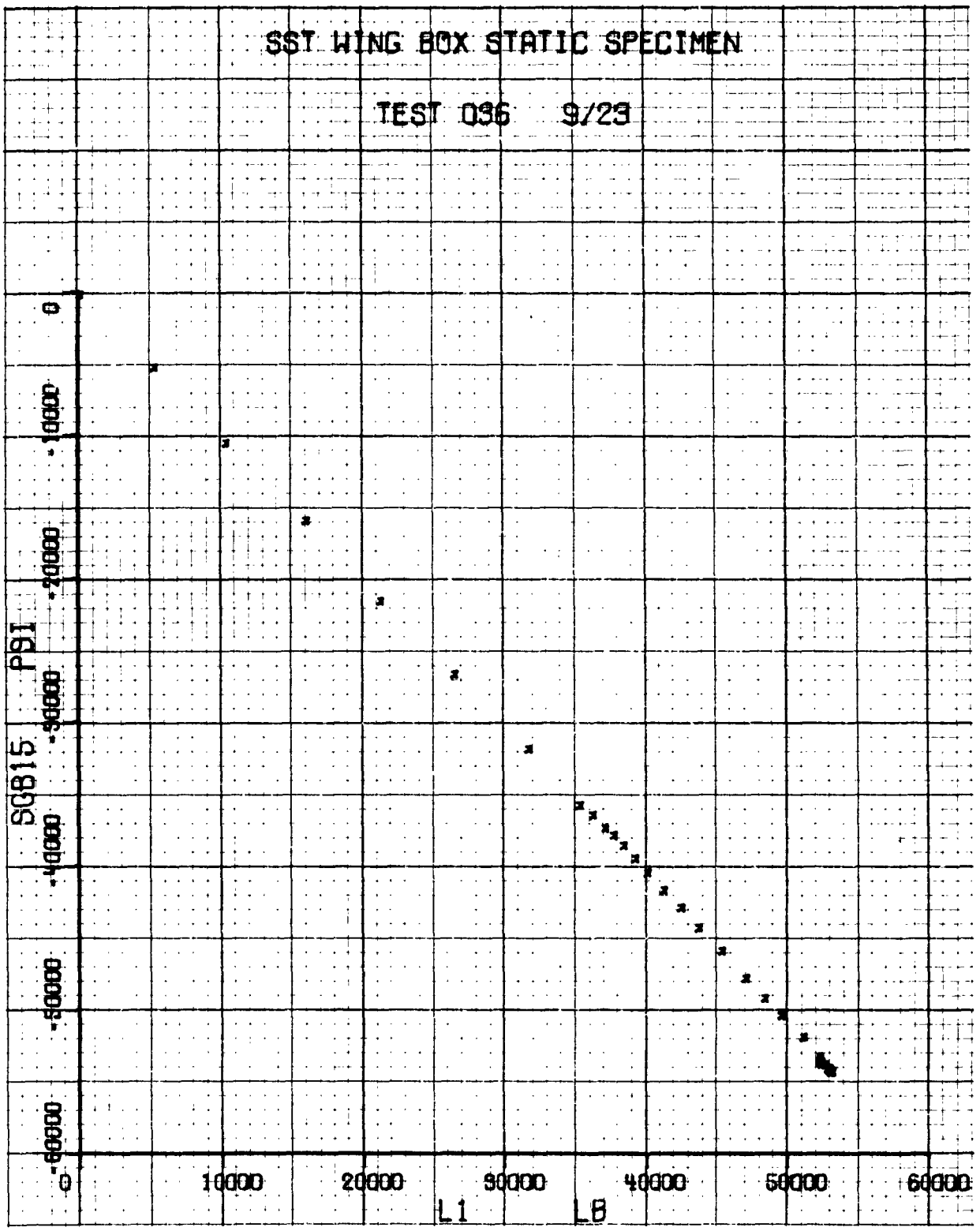
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TEST 036 9/23
SGB15 PSI
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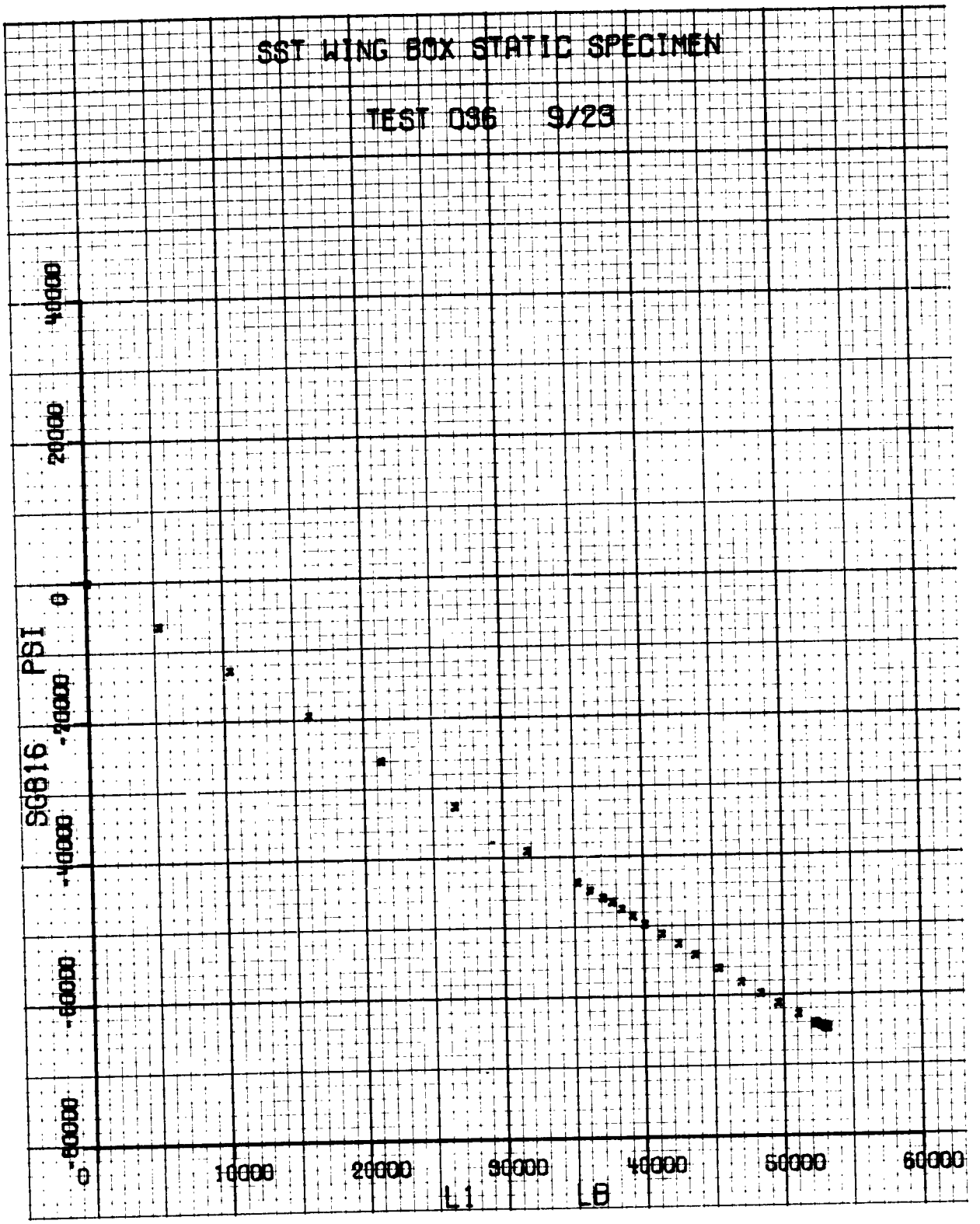
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TEST 036 9/23
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PSI
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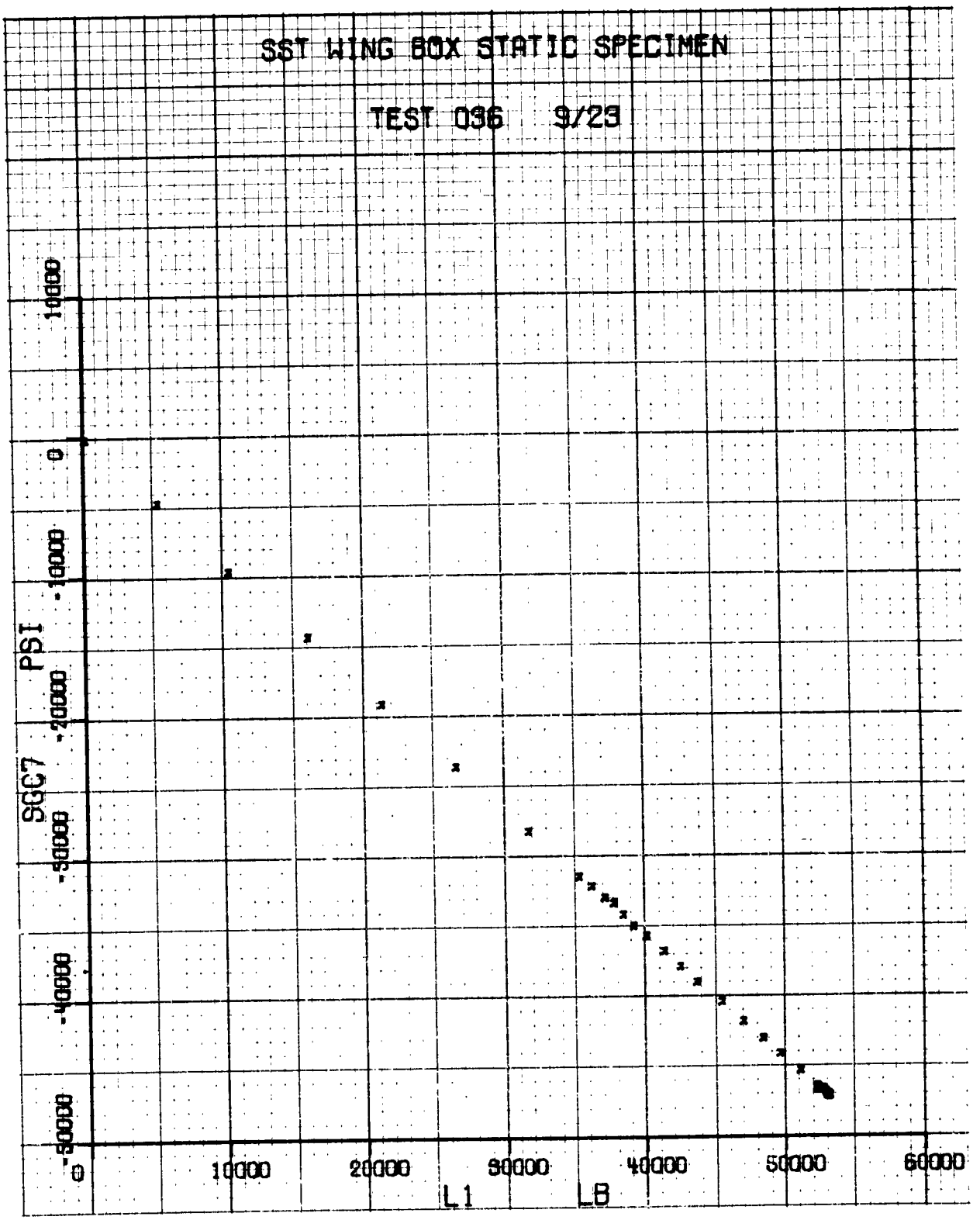
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC7 PSI
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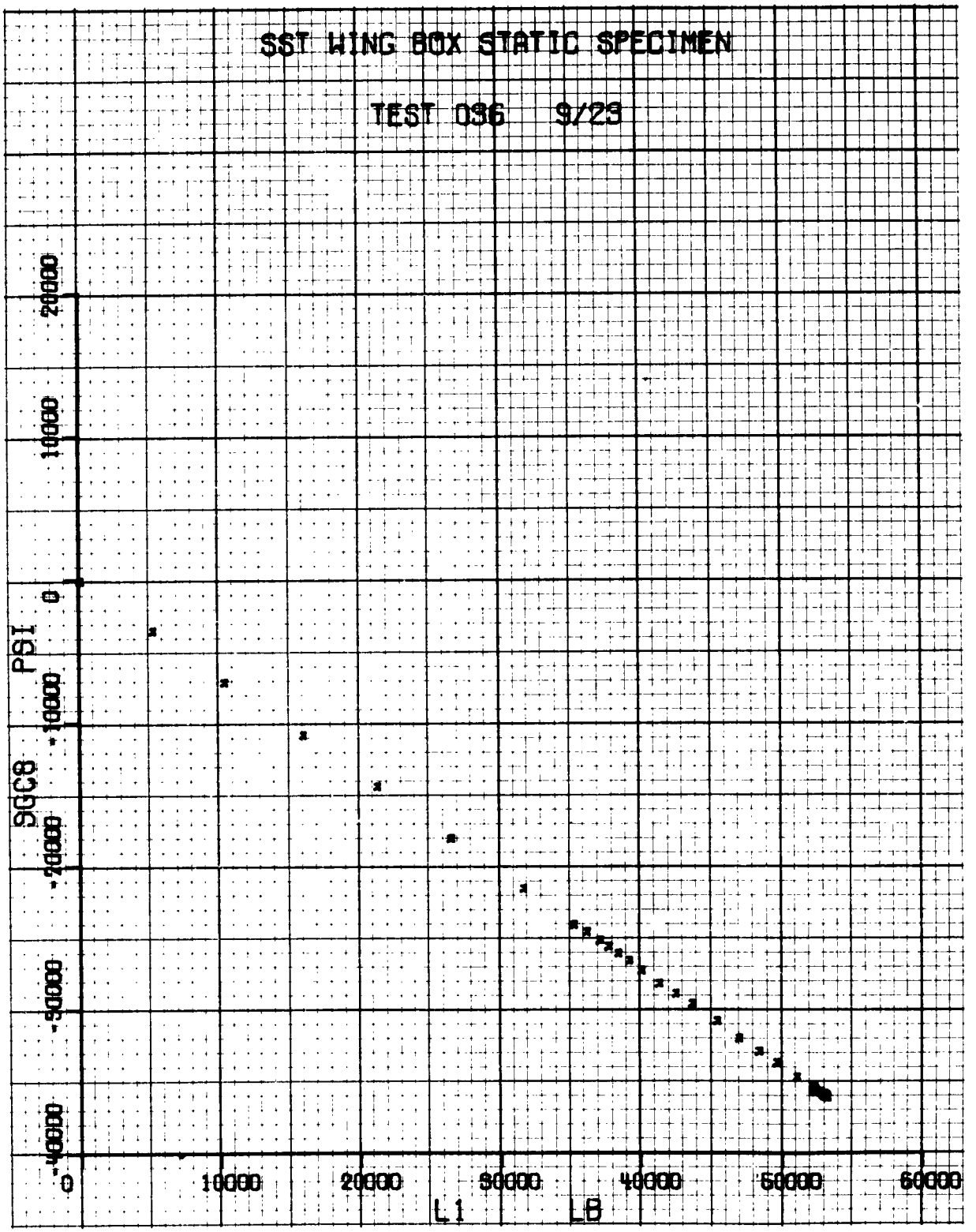
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TEST 036 9/23
SGC8 PSI
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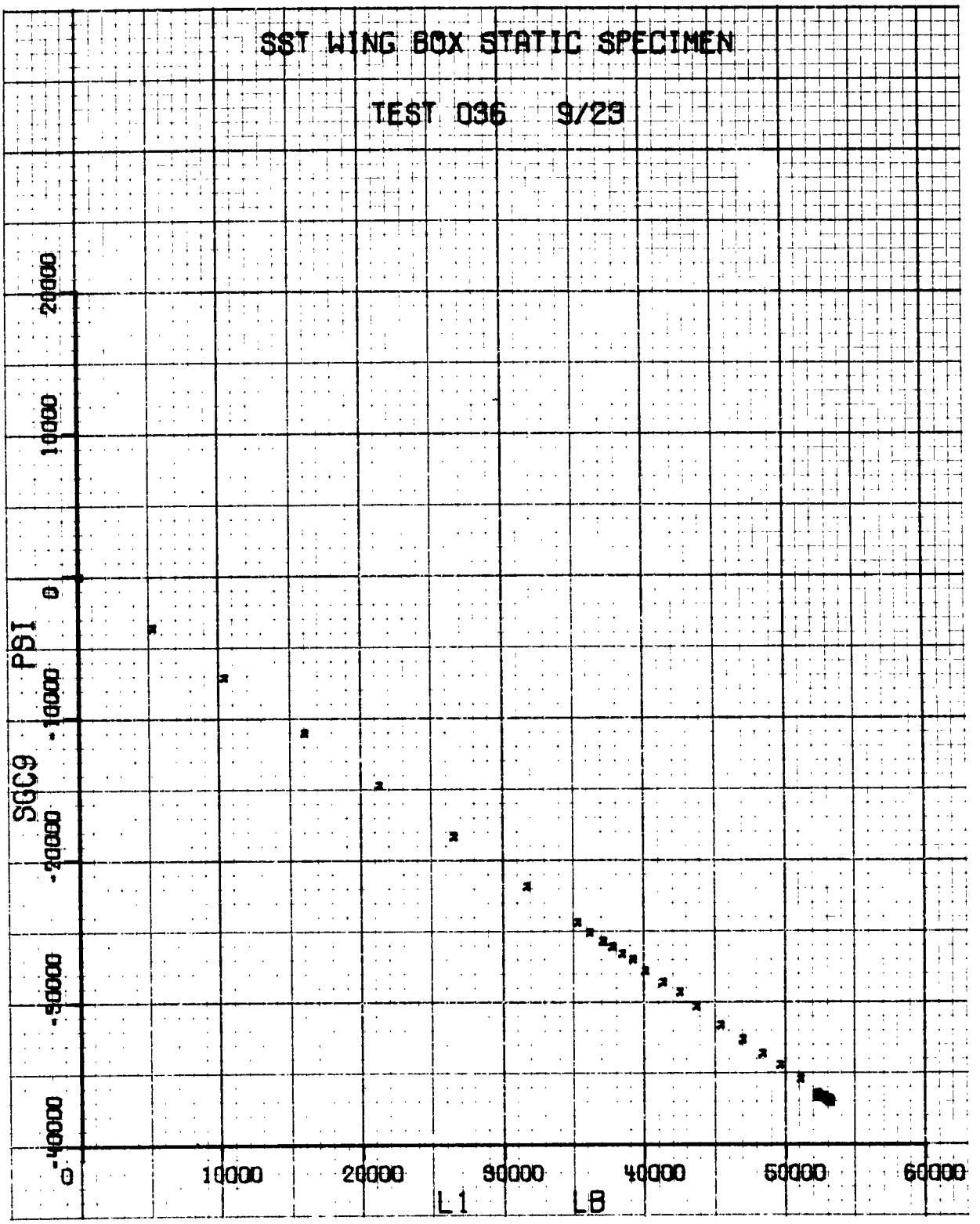
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SGC9 PSI
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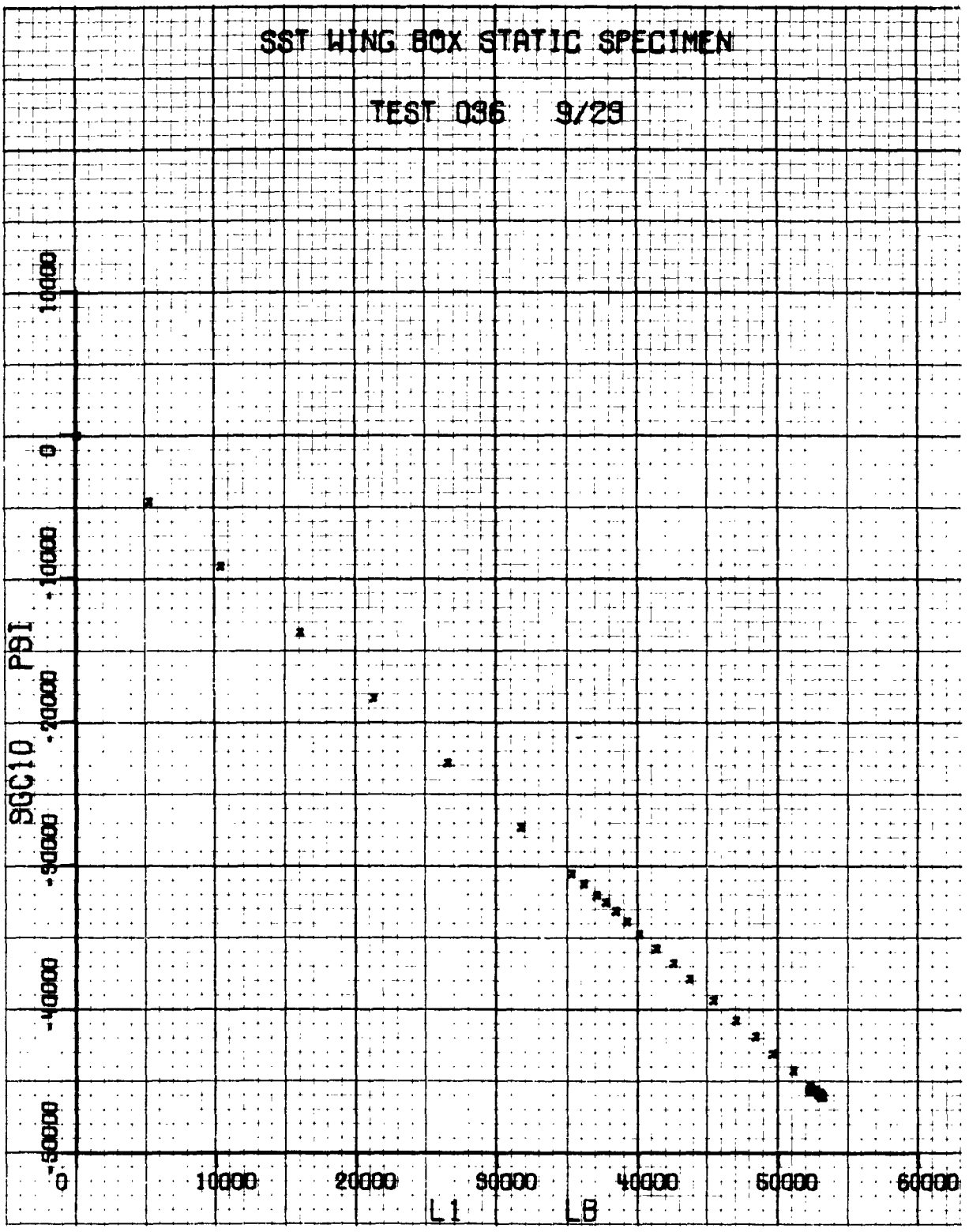
SST WING BOX STATIC SPECIMEN
TEST 036 9/29
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60000
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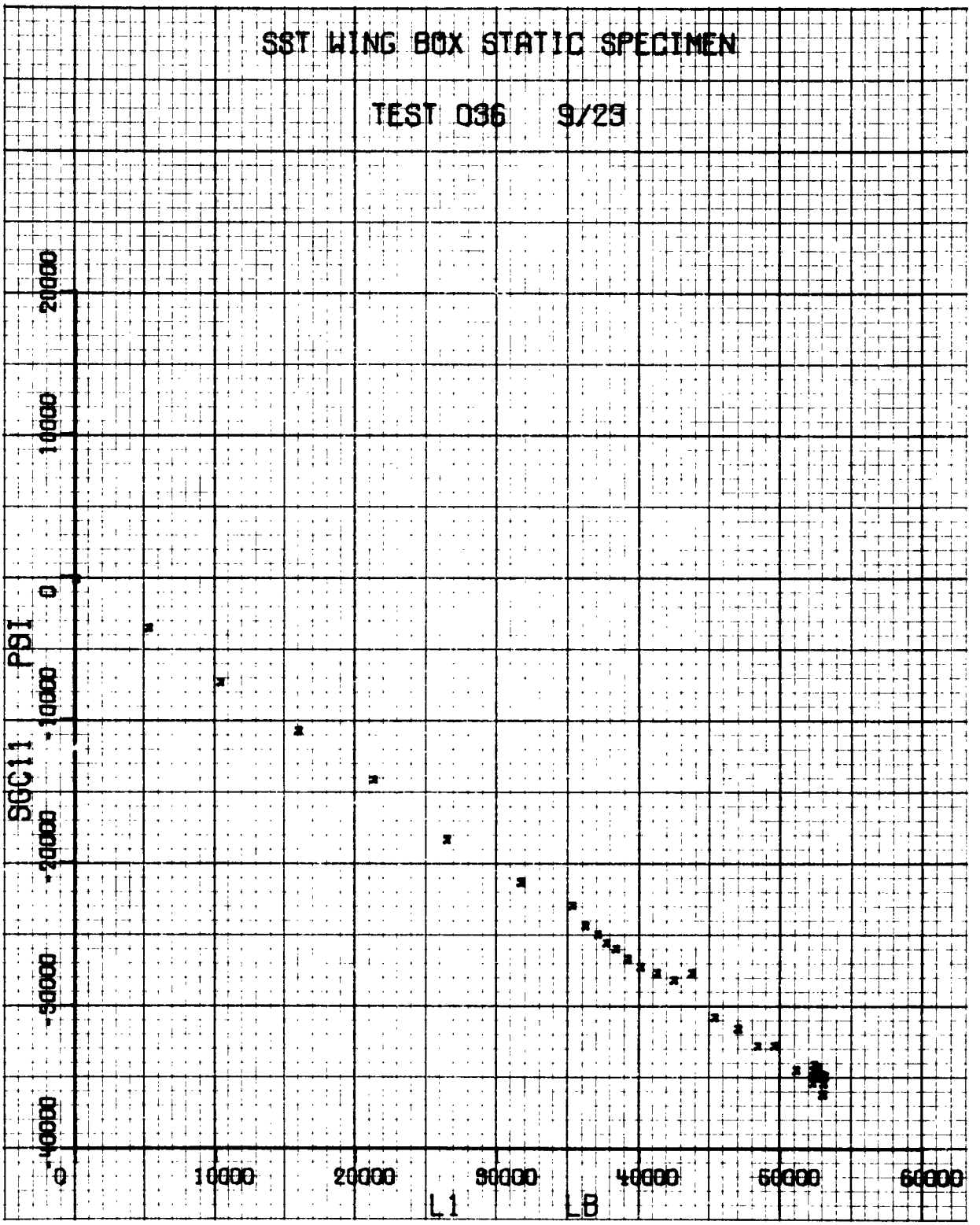
L8


SST WING BOX STATIC SPECIMEN
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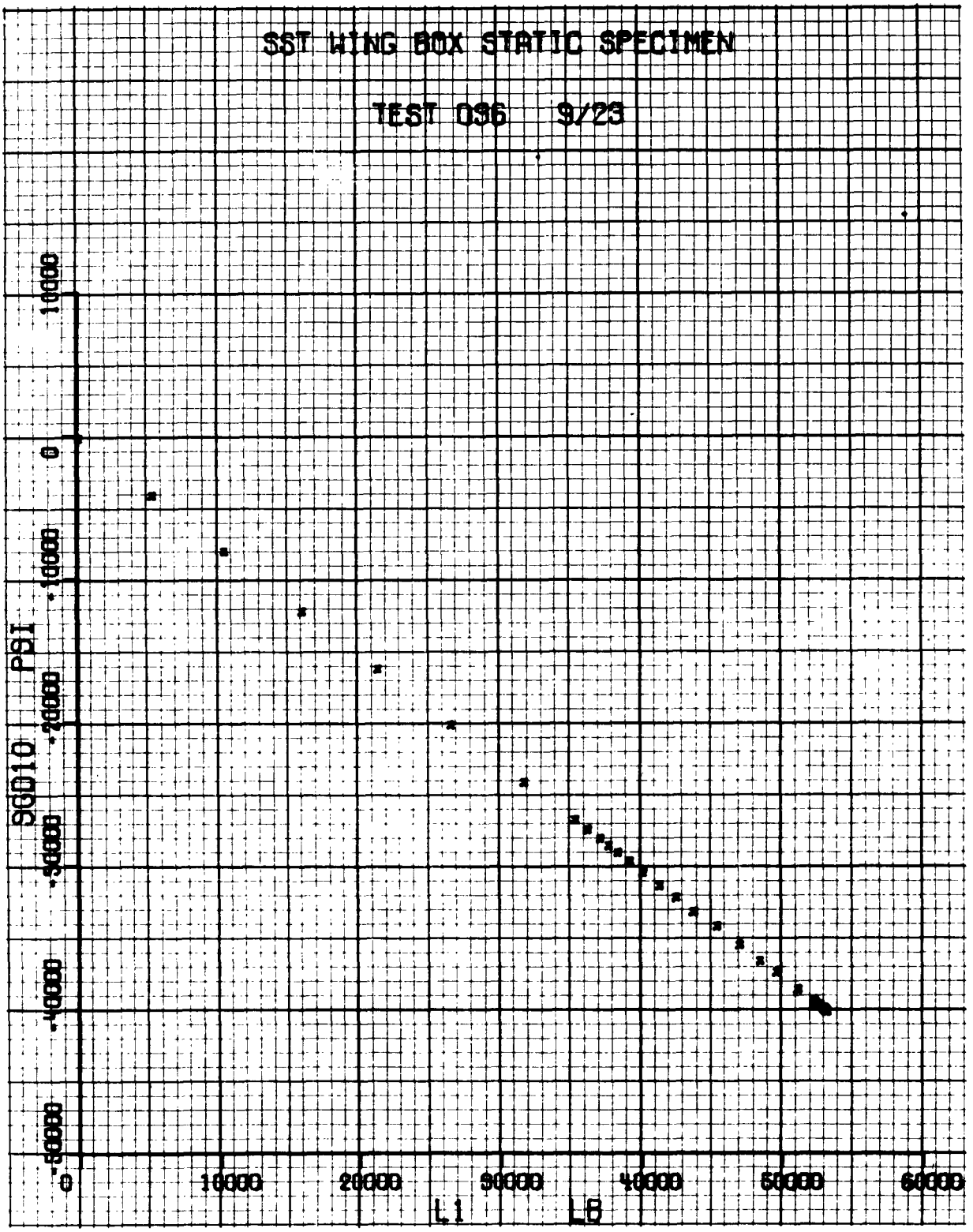
L8


SST WING BOX STATIC SPECIMEN
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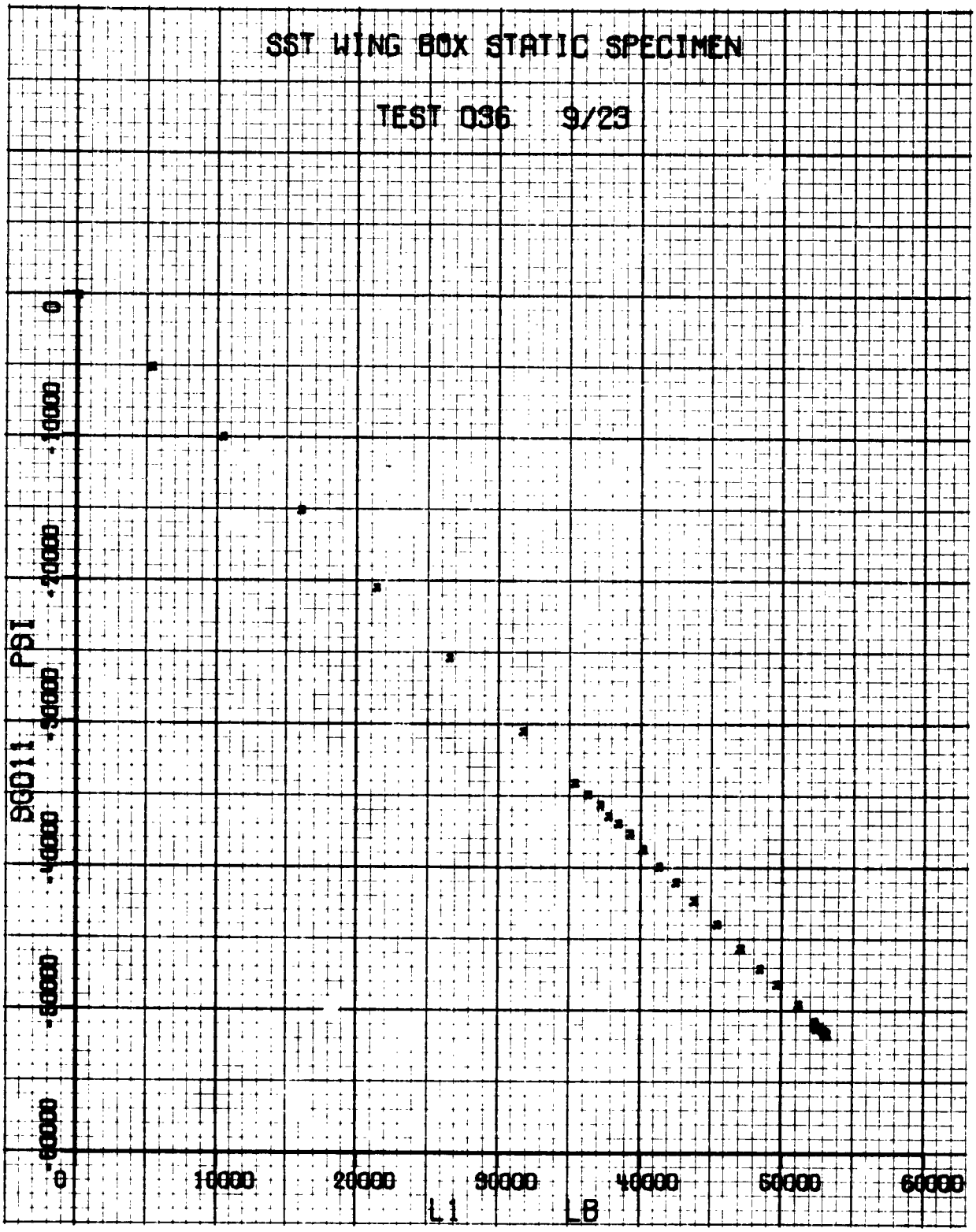
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC11 PSI
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60000
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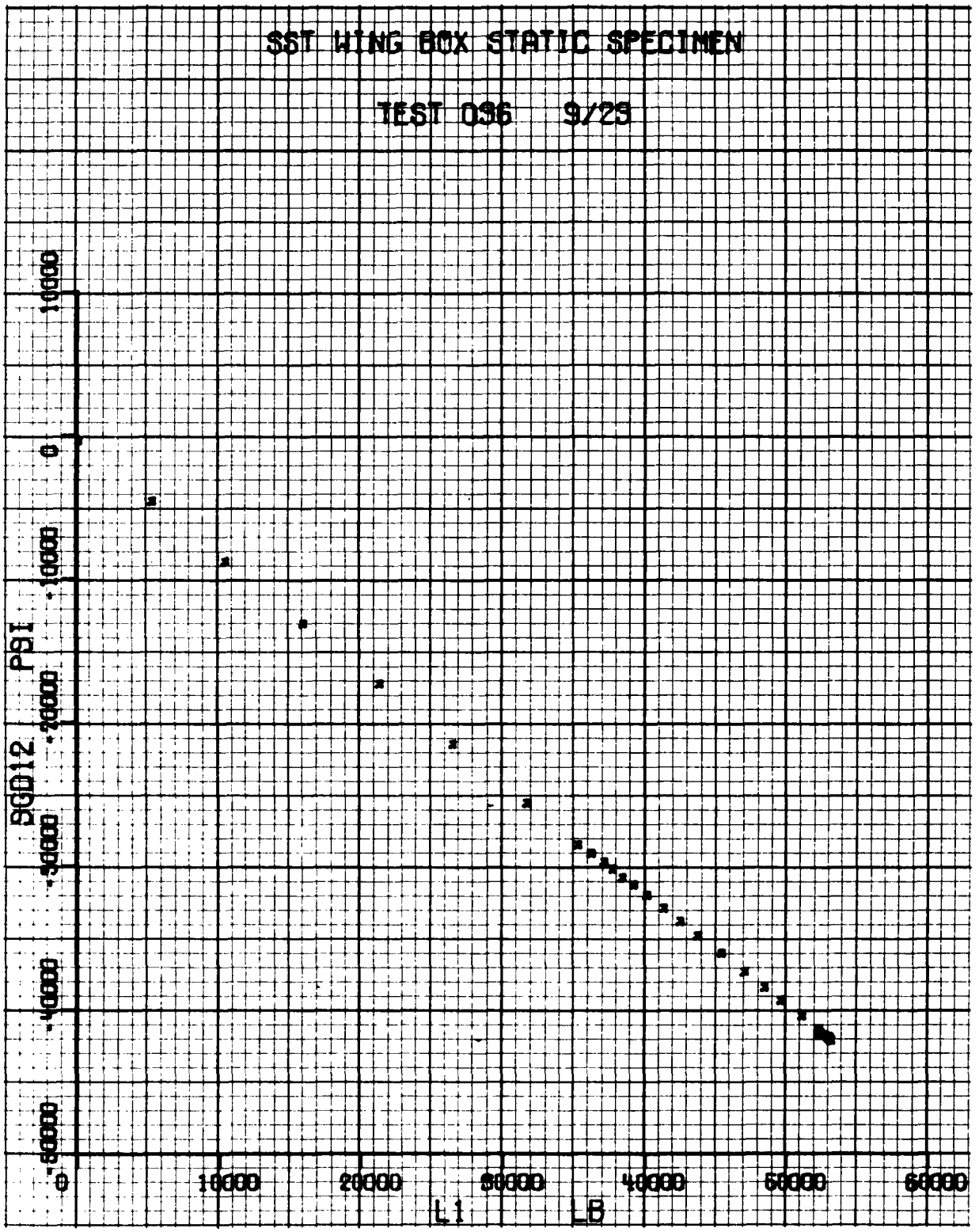
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD12 PSI
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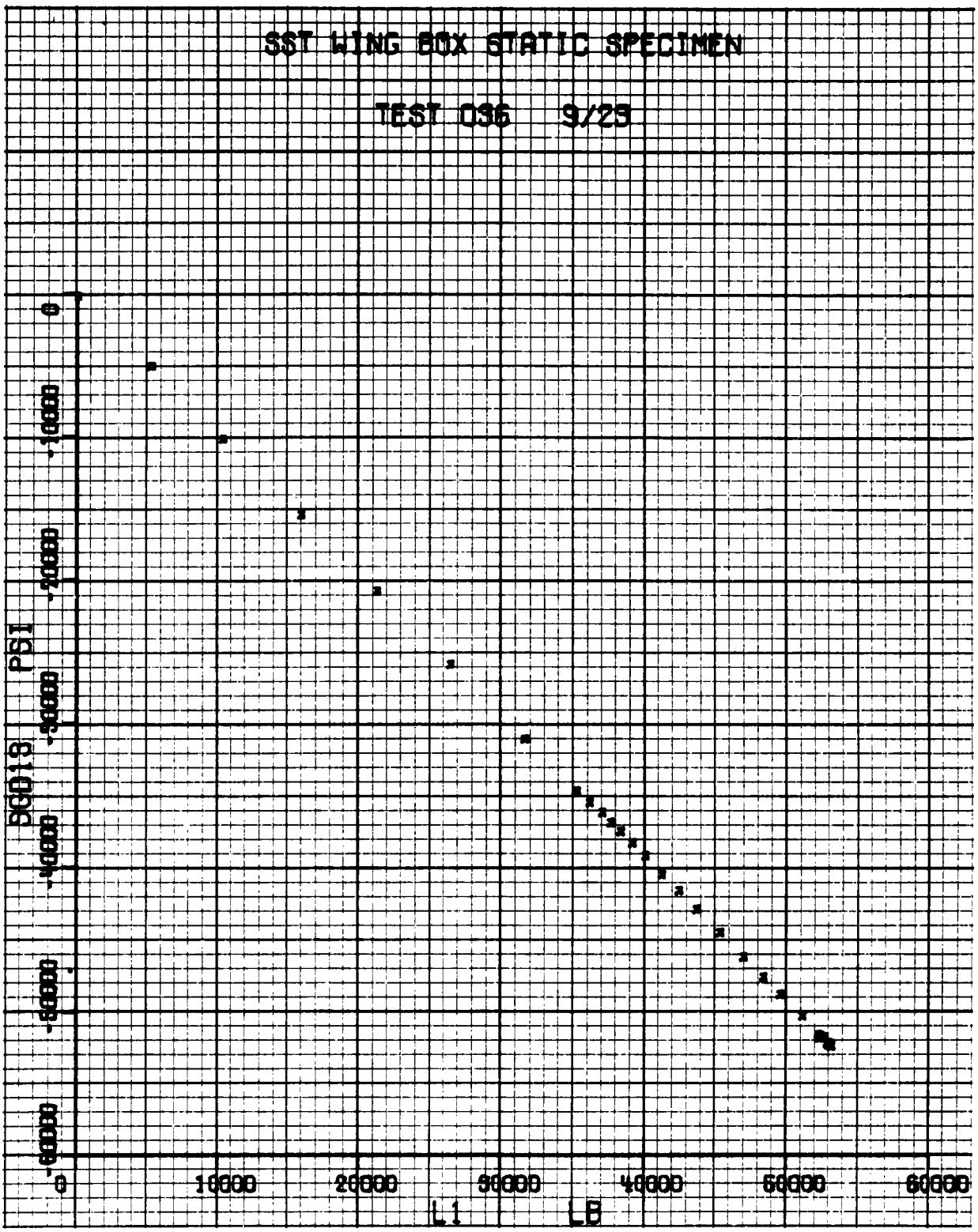
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
BGD18 PSI
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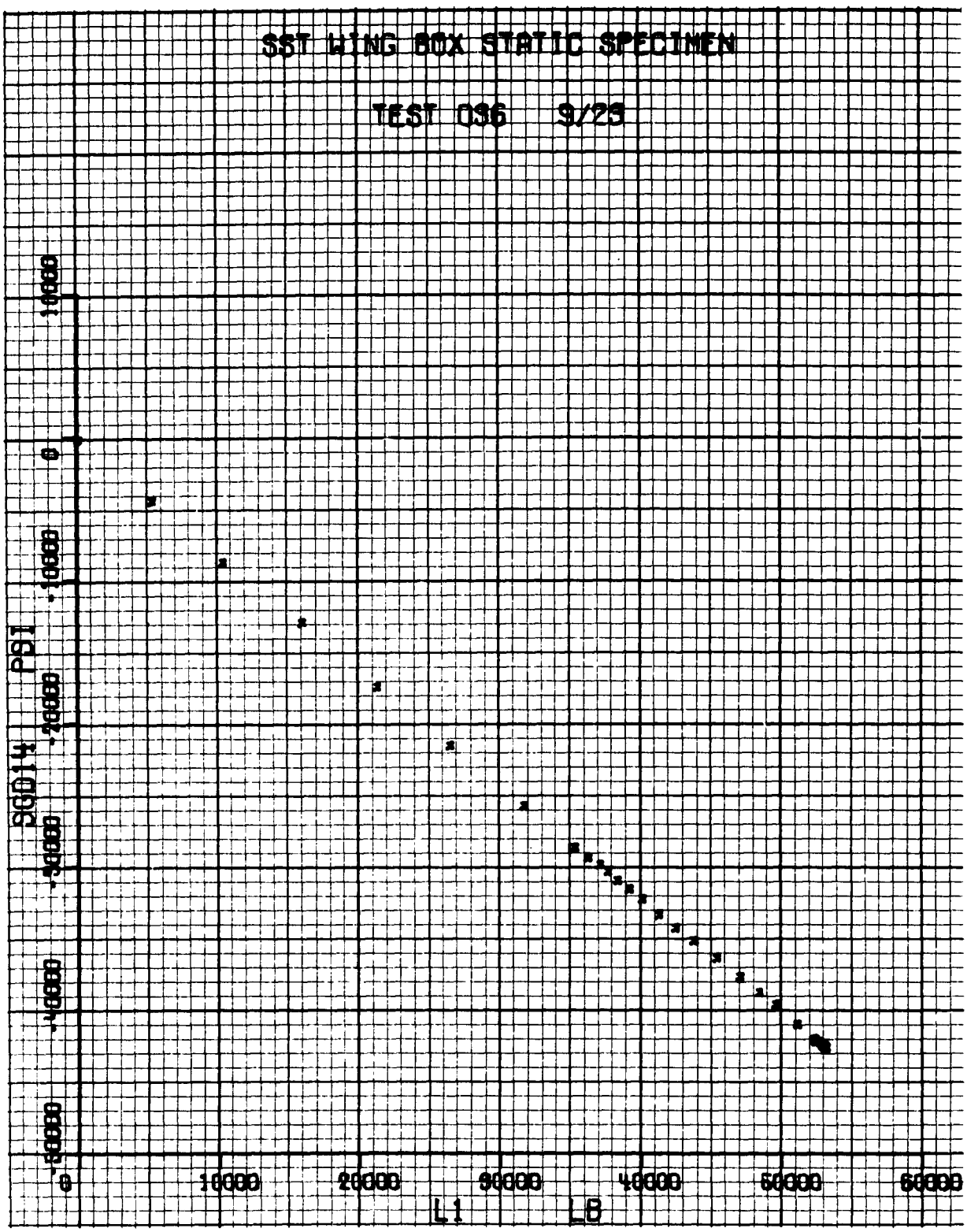
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG014 PSI
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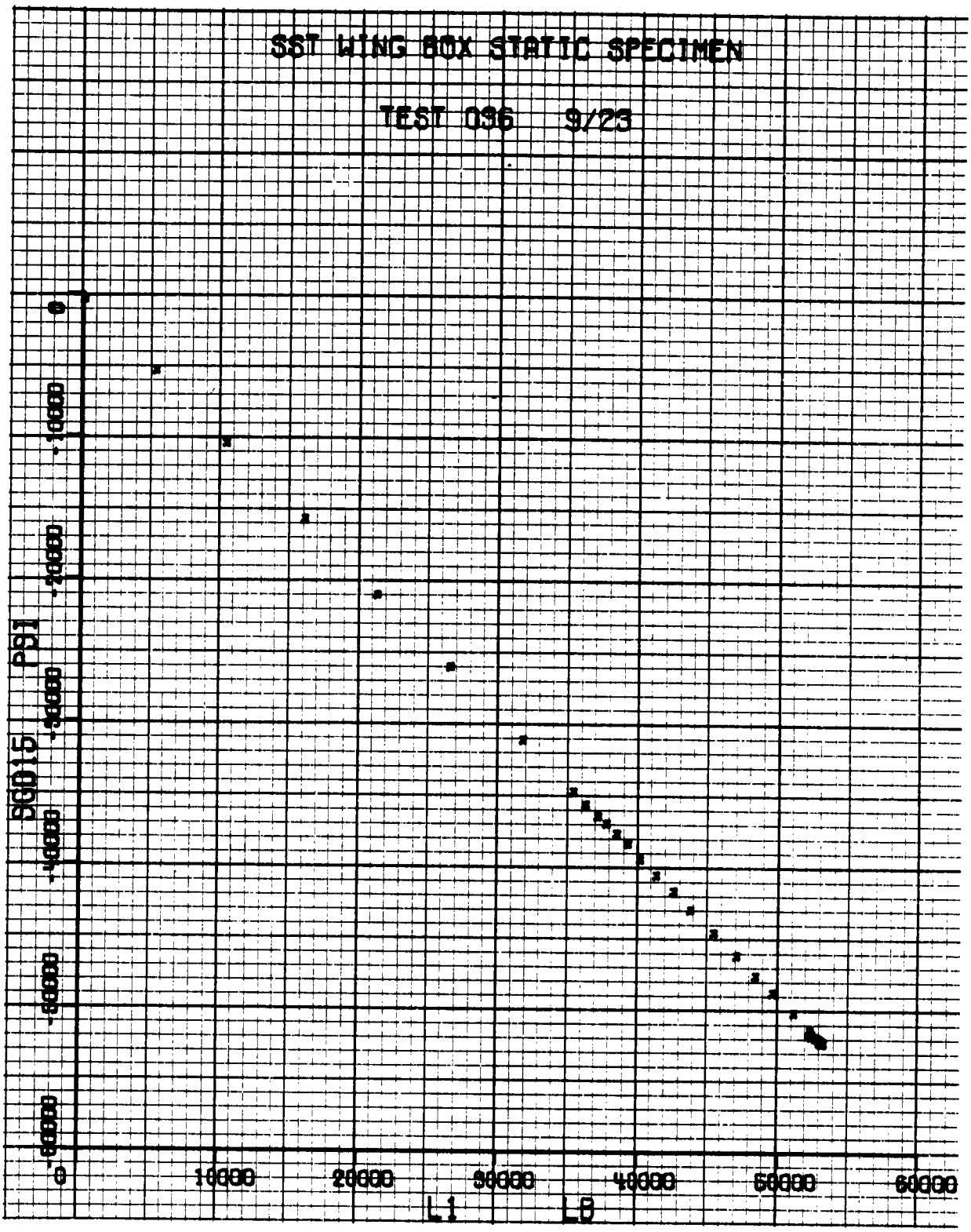
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG015 PSI
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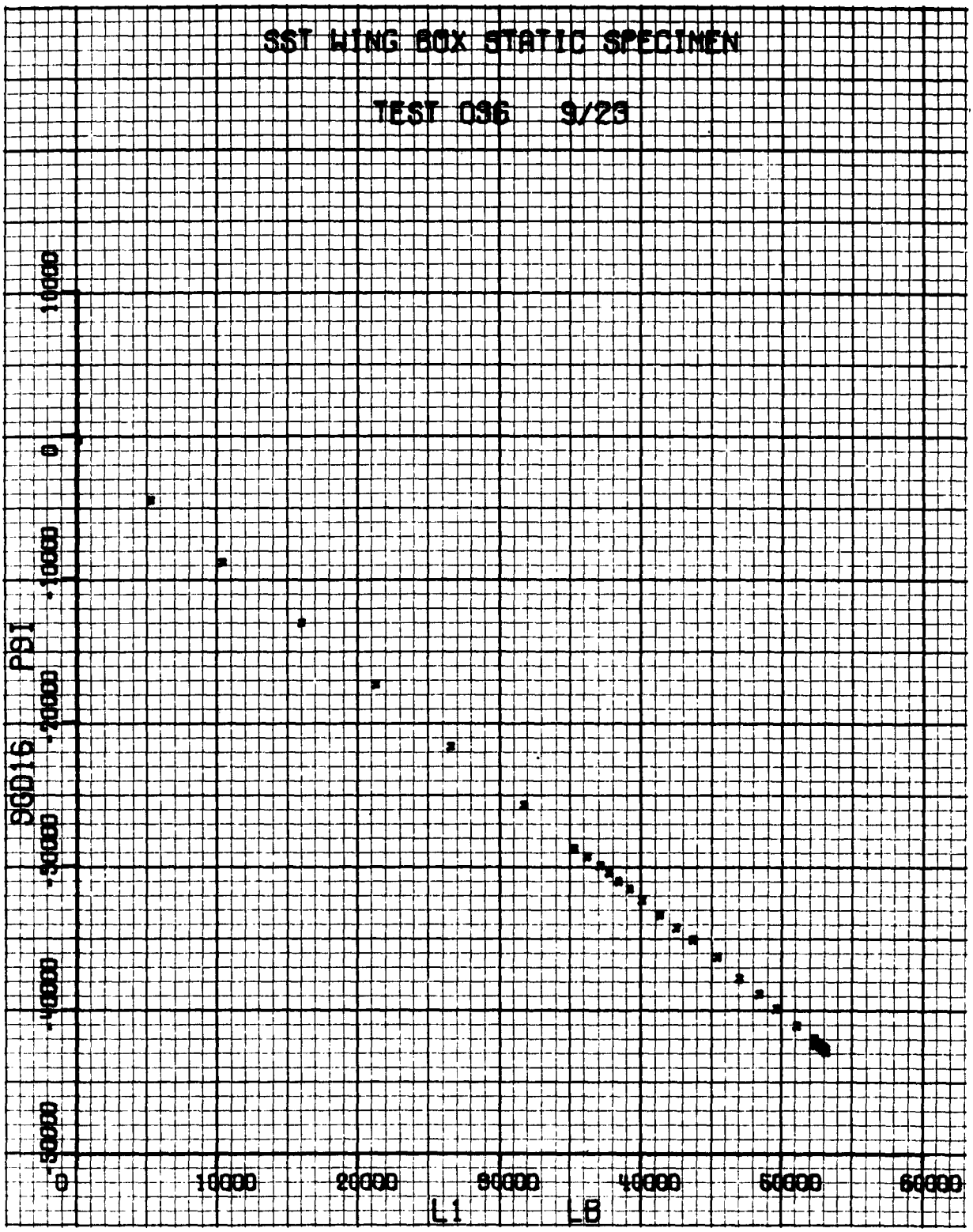
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
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50000
60000
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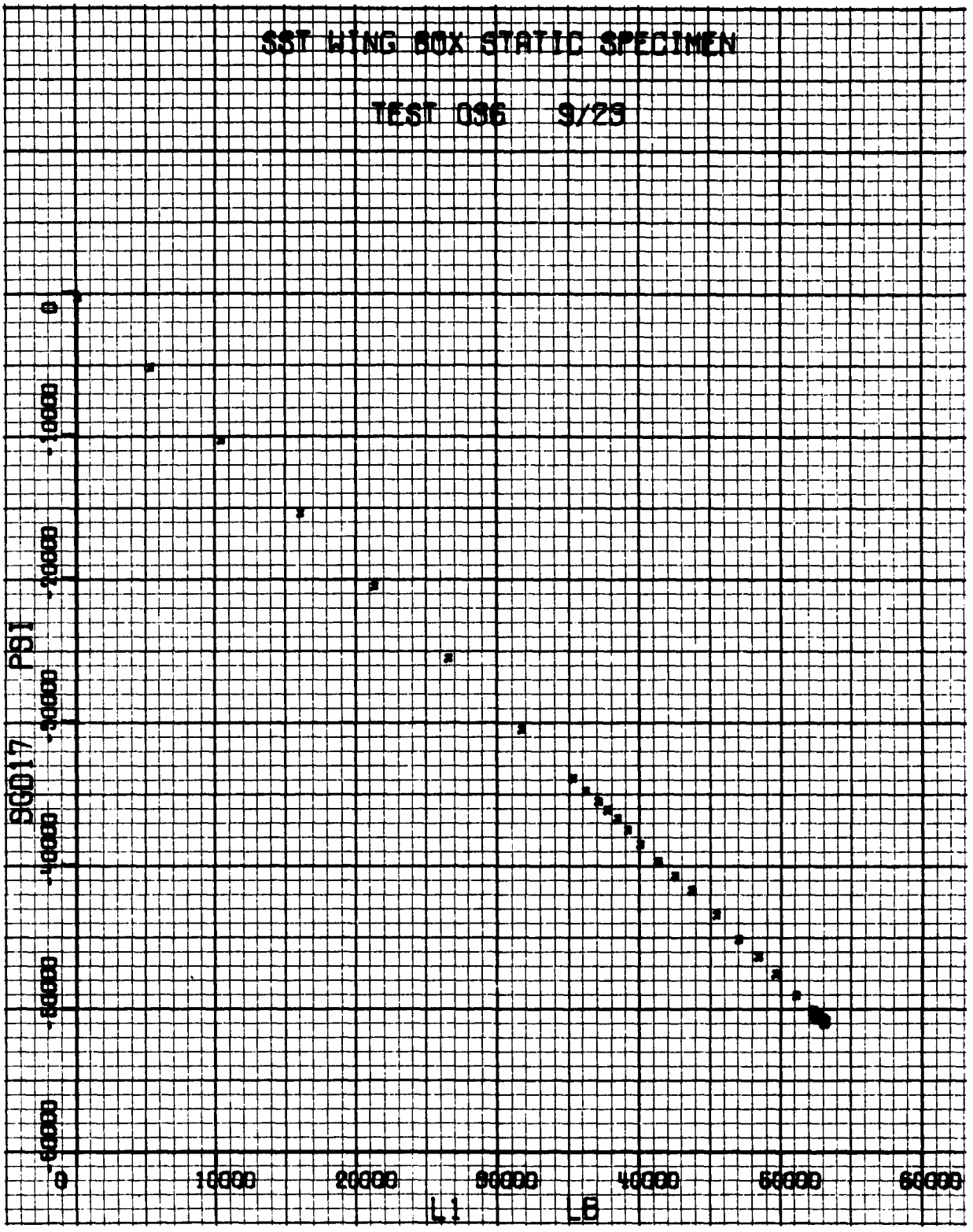
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG017 PSI
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60000
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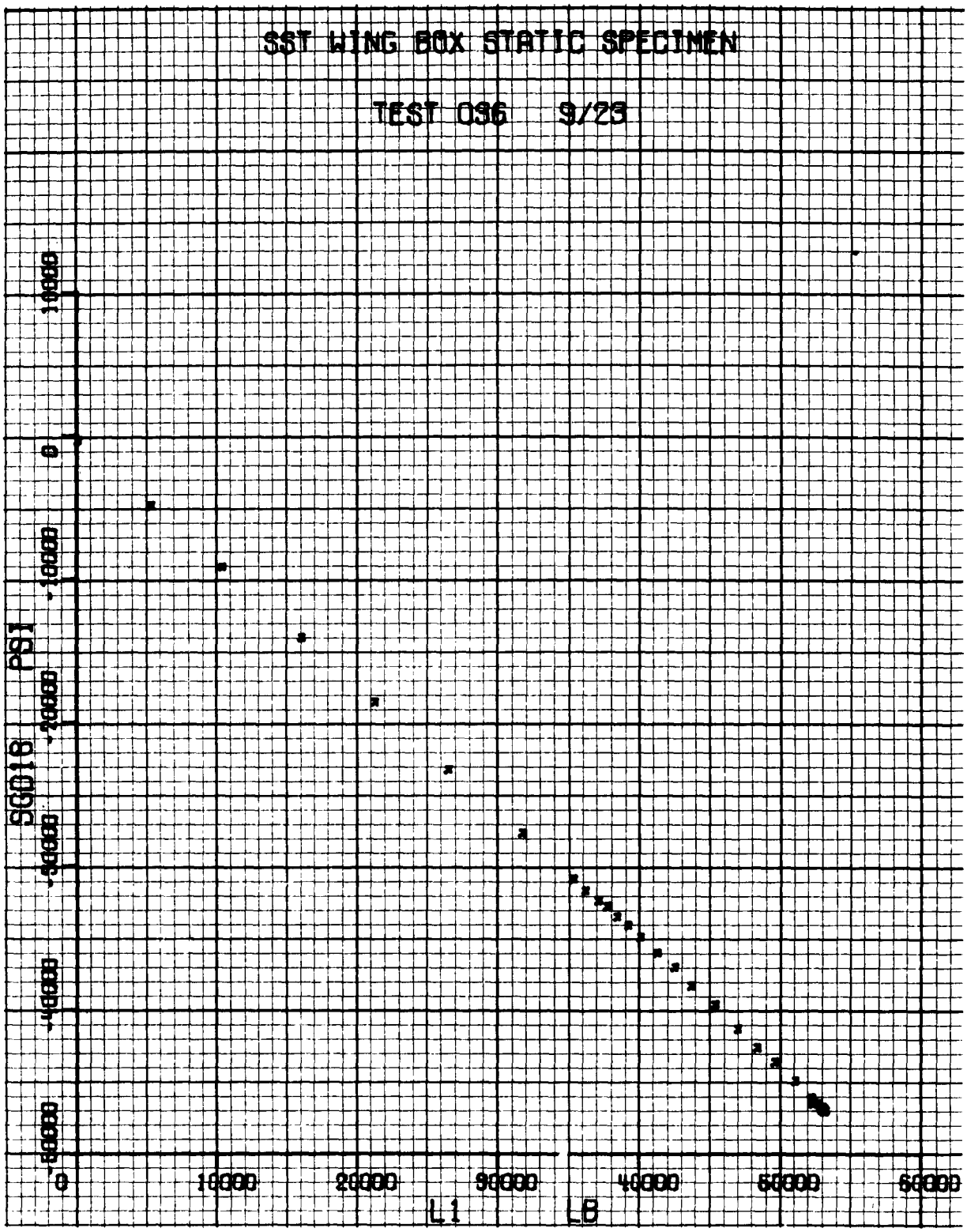
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG018 PSI
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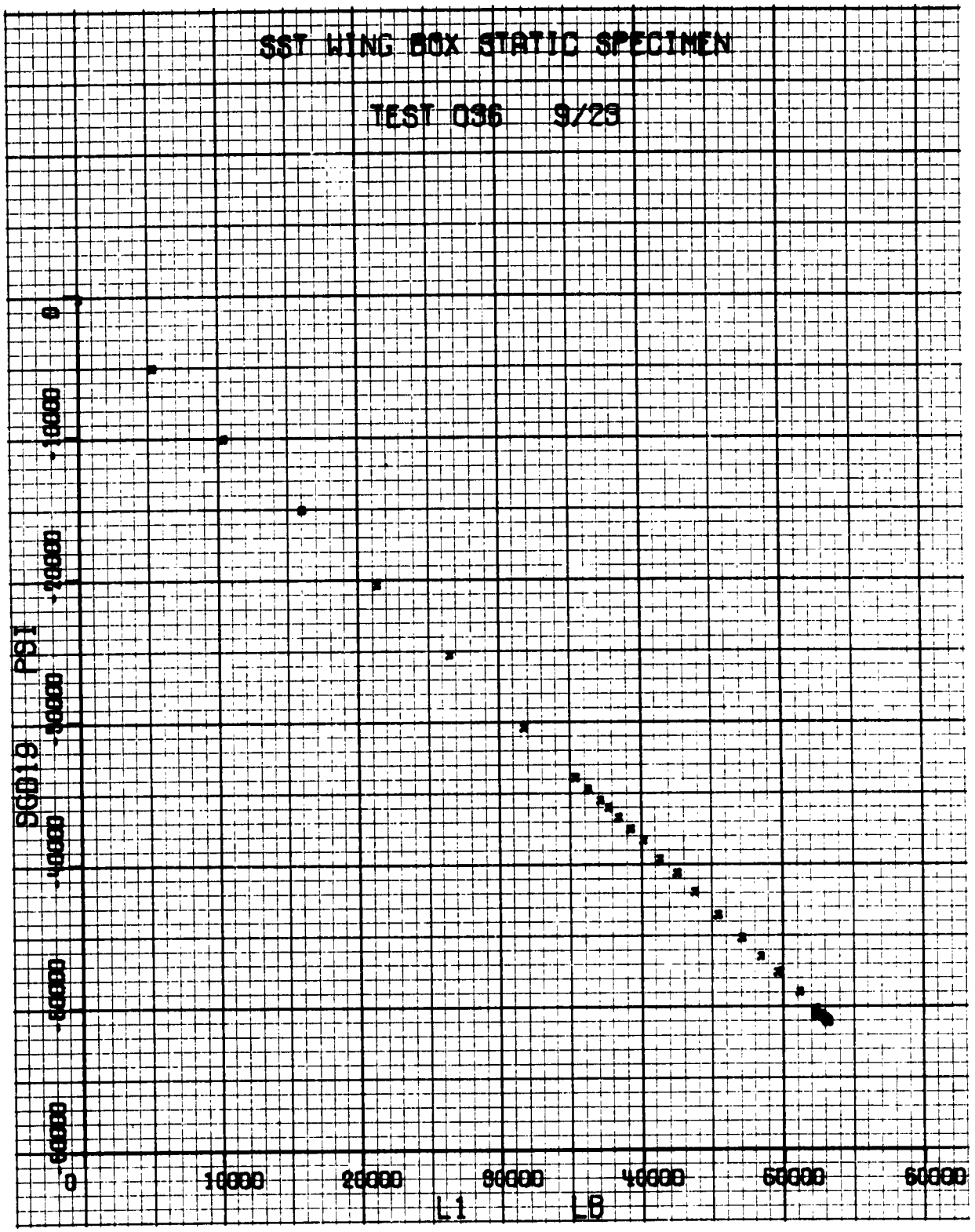
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
96019 PSI
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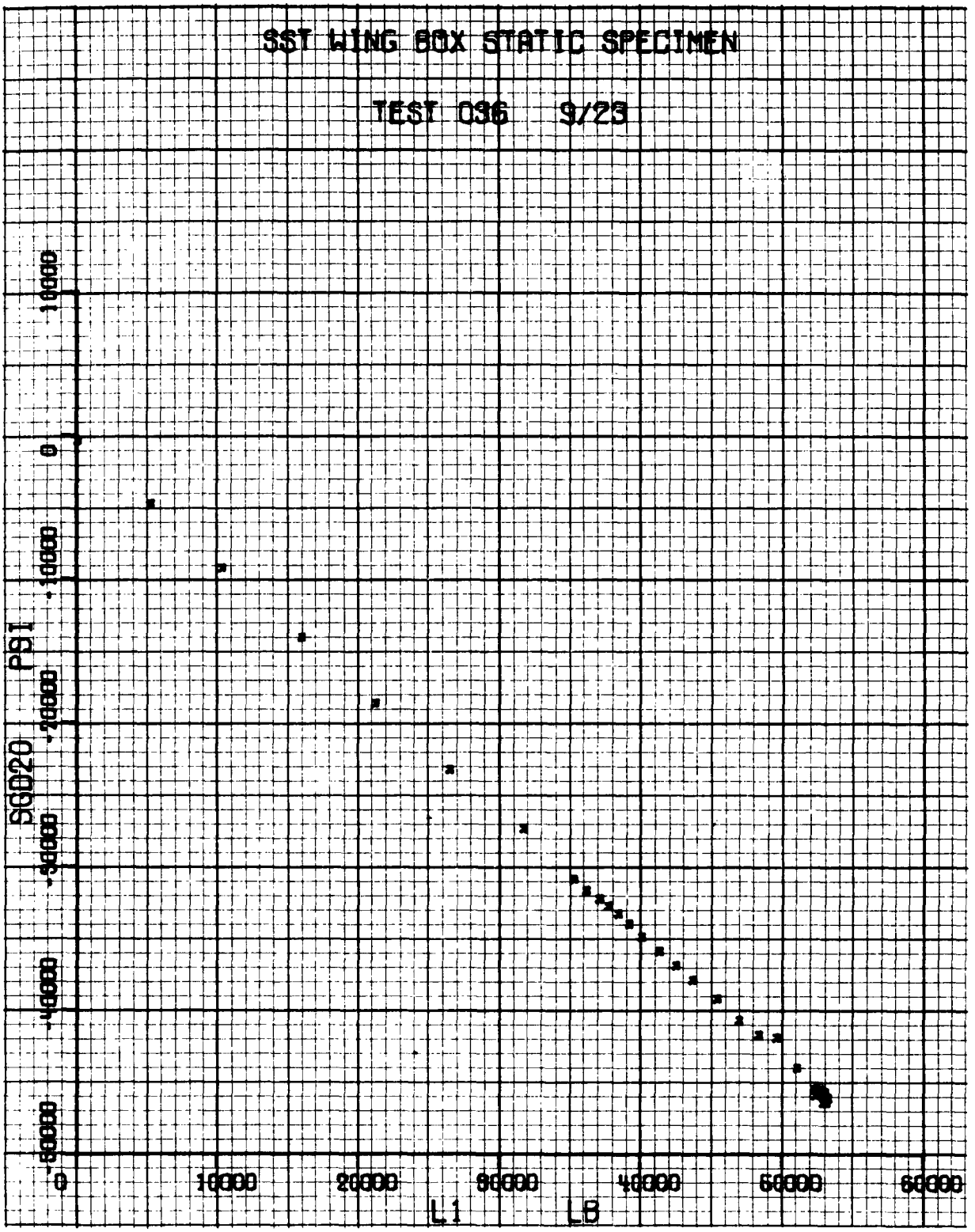
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD20 PSI
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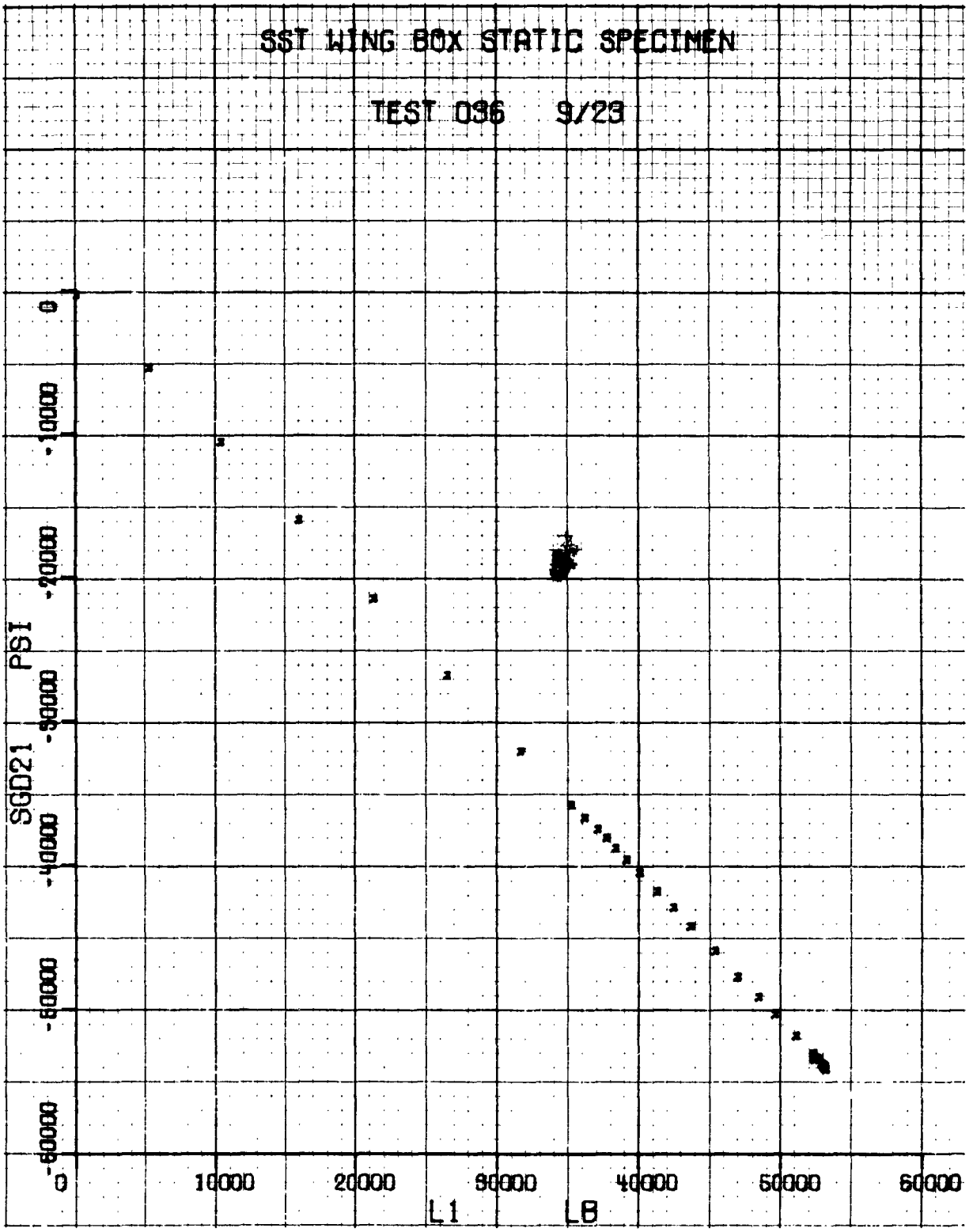
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD21 PSI
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60000
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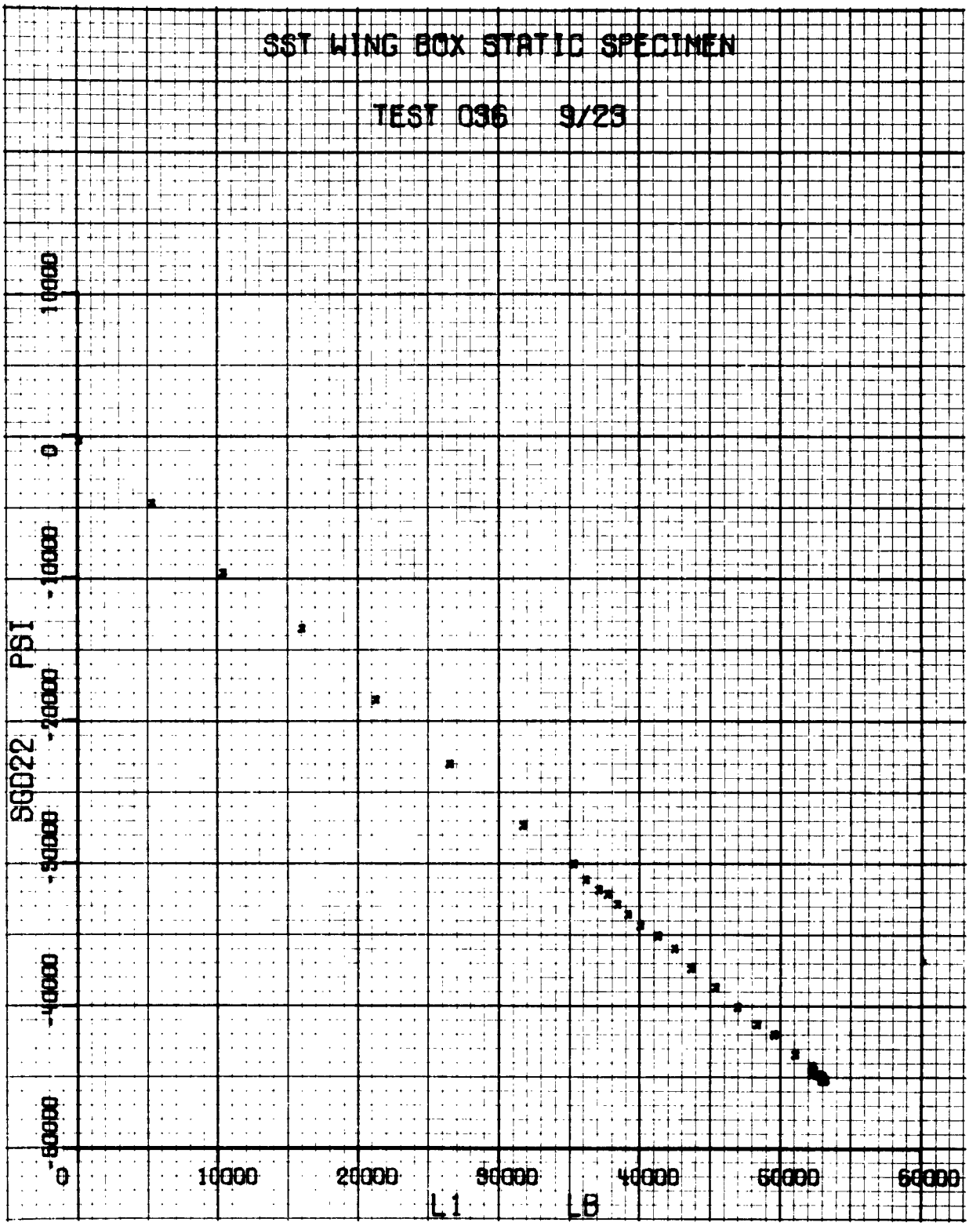
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD22 PSI
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30000
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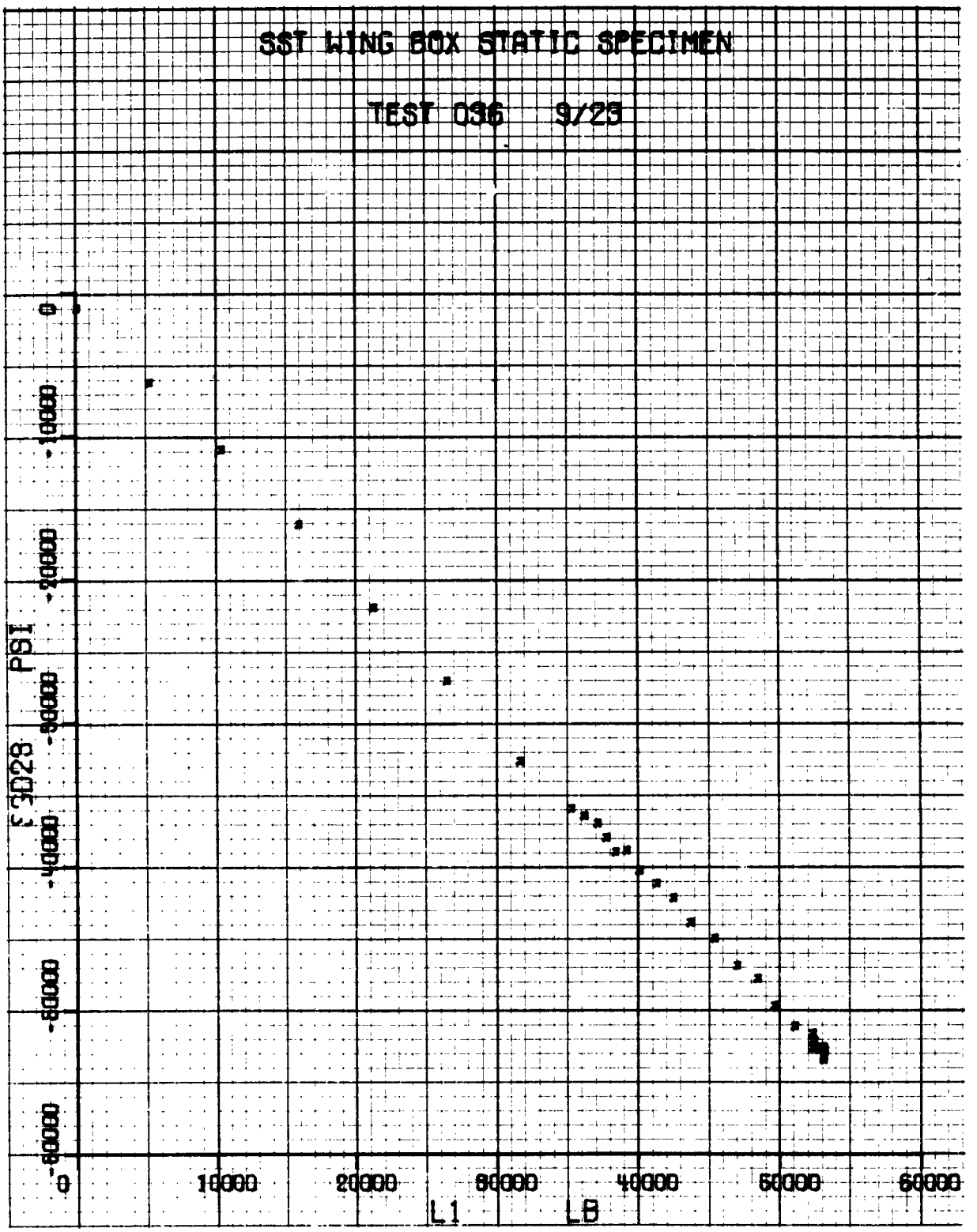
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
F3028 PSI
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60000
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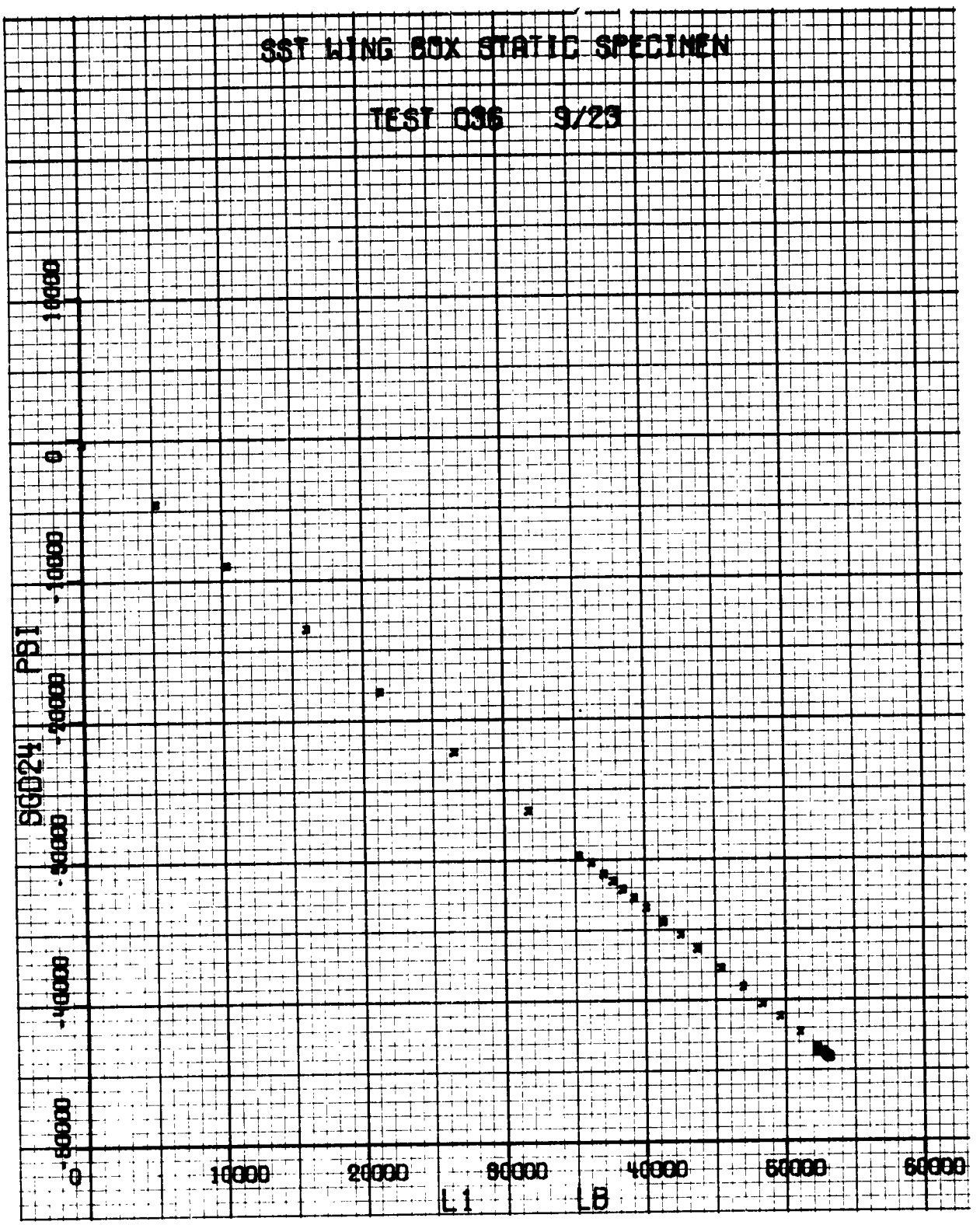
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD24 PSI
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-80000
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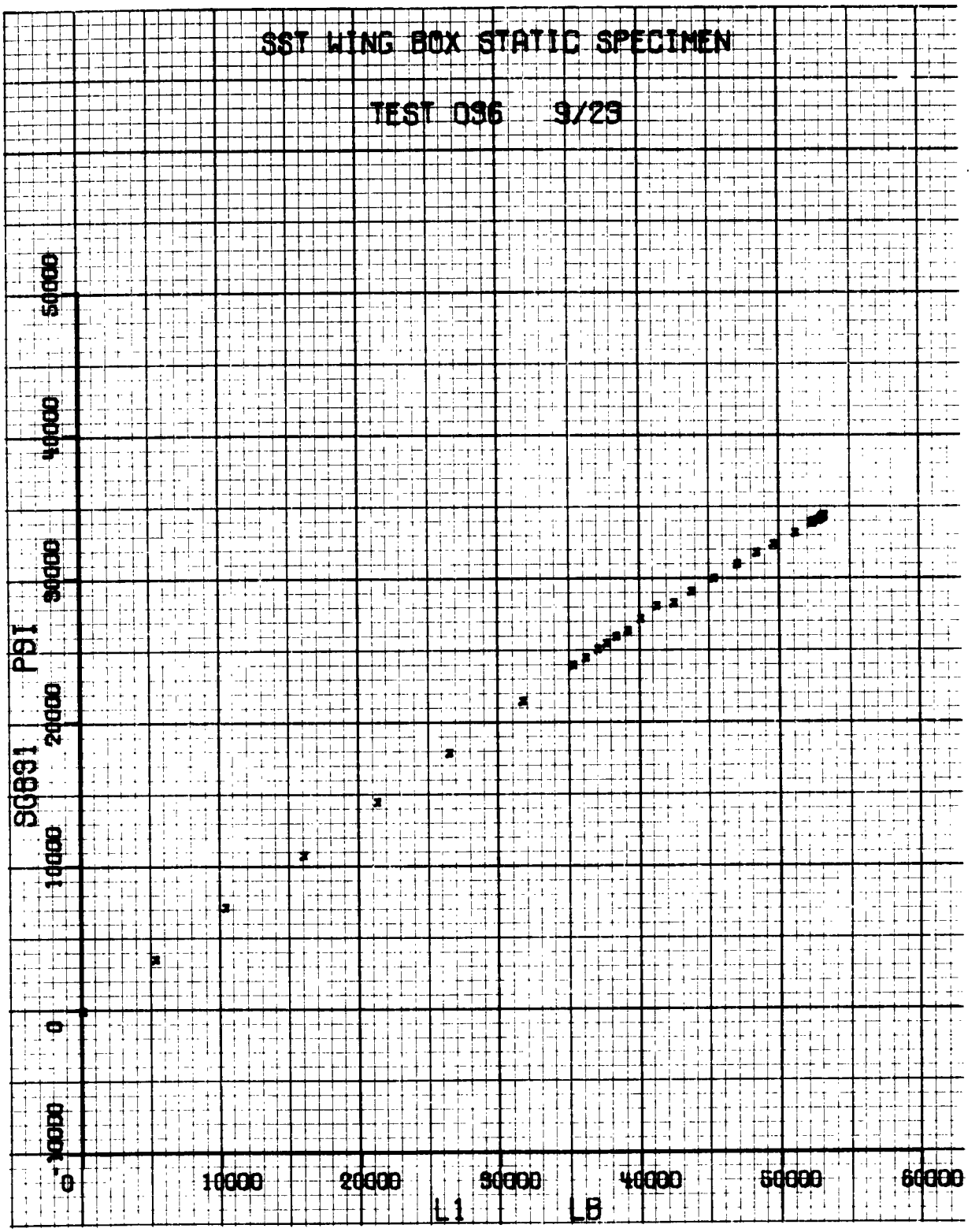
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG831 PSI
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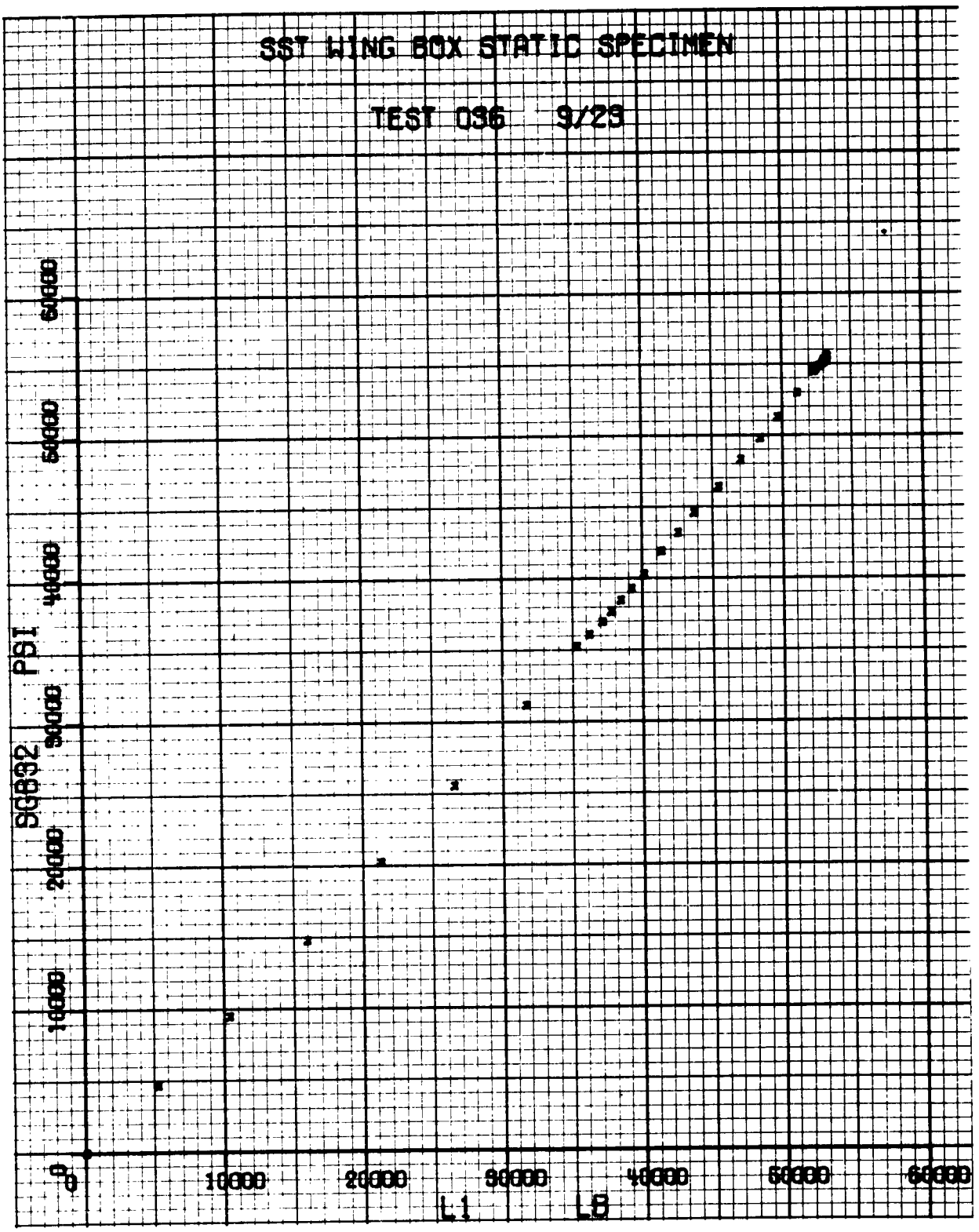
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB32 PSI
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60000
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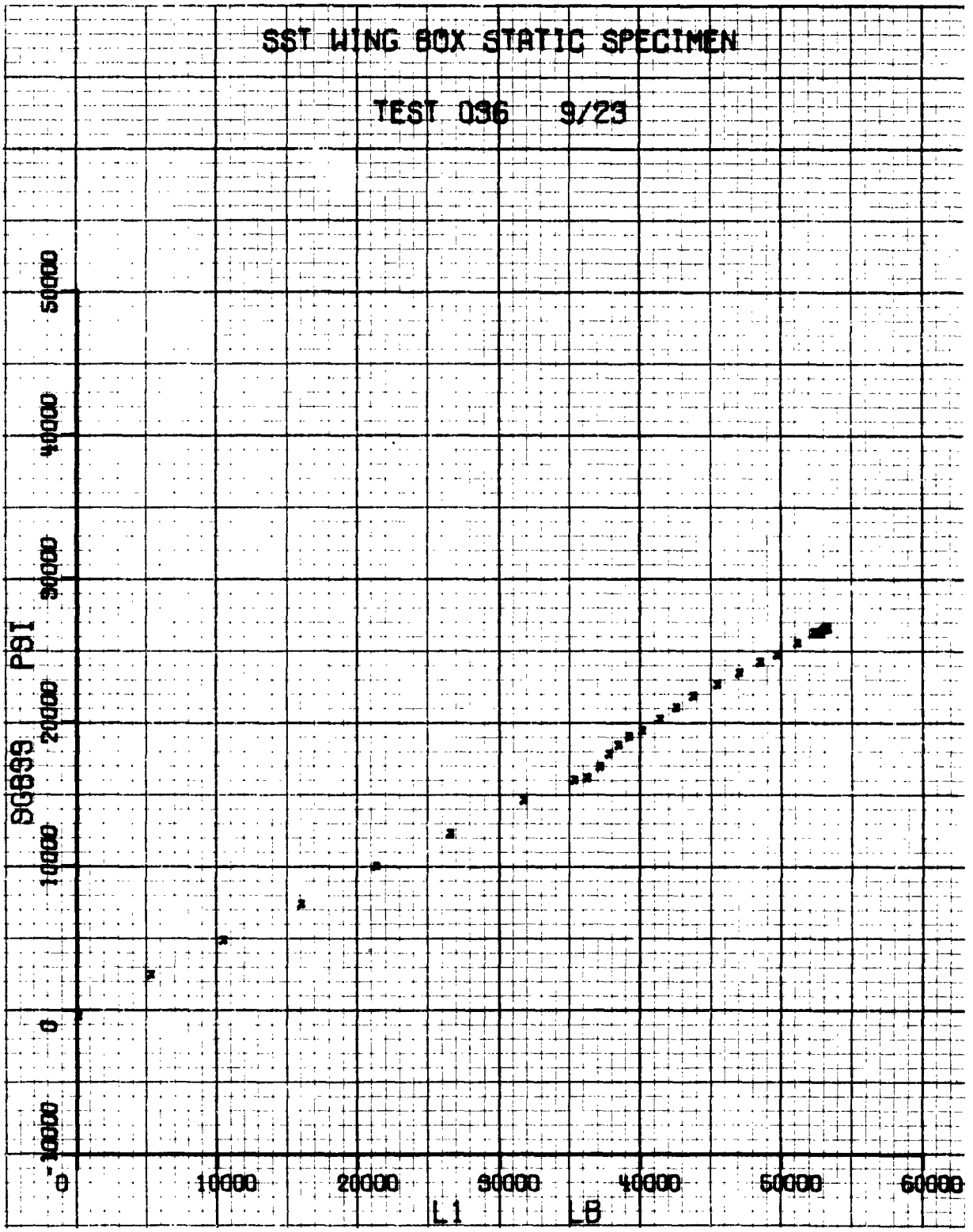
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG839 PSI
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10000
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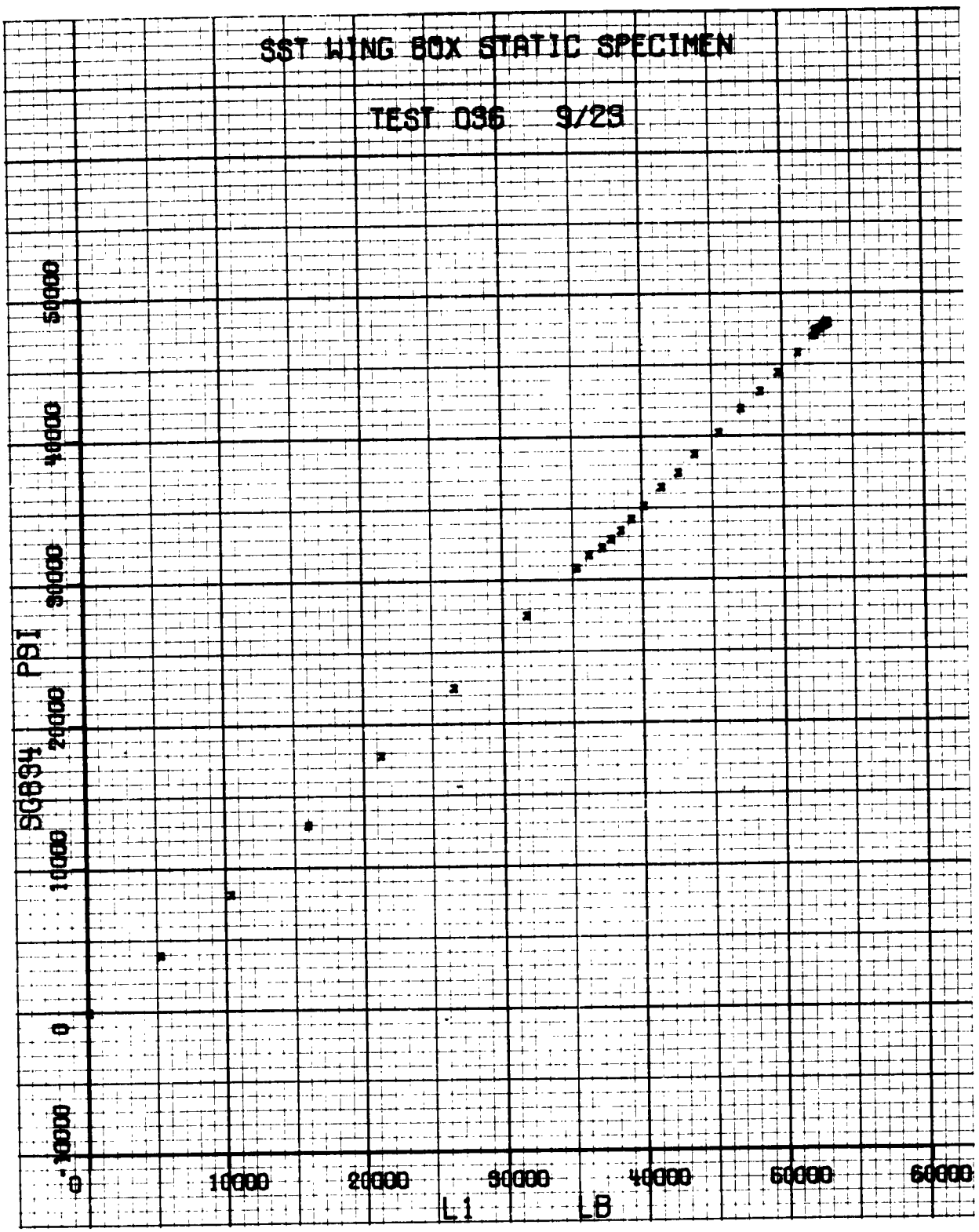
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG834 PSI
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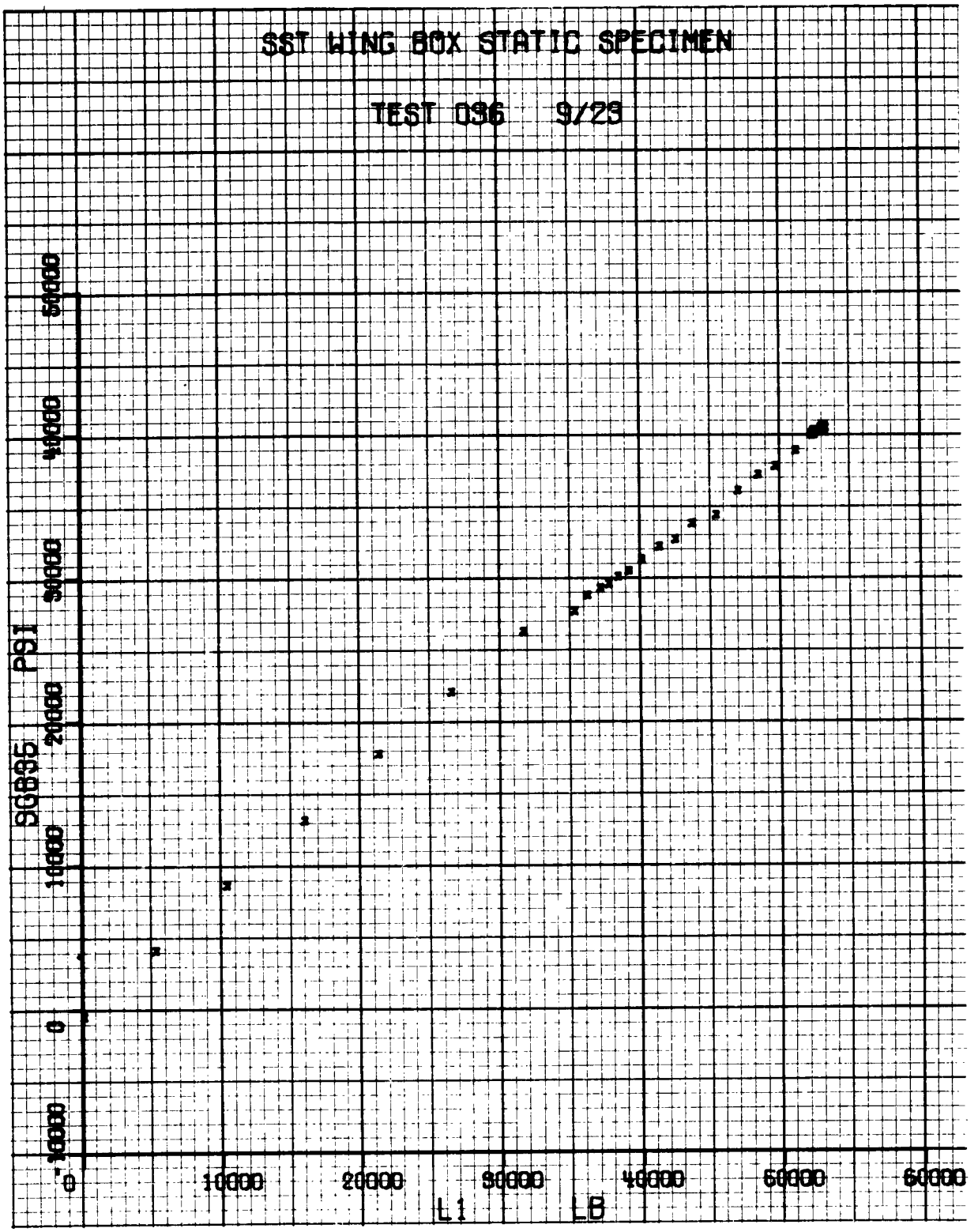
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG835 PSI
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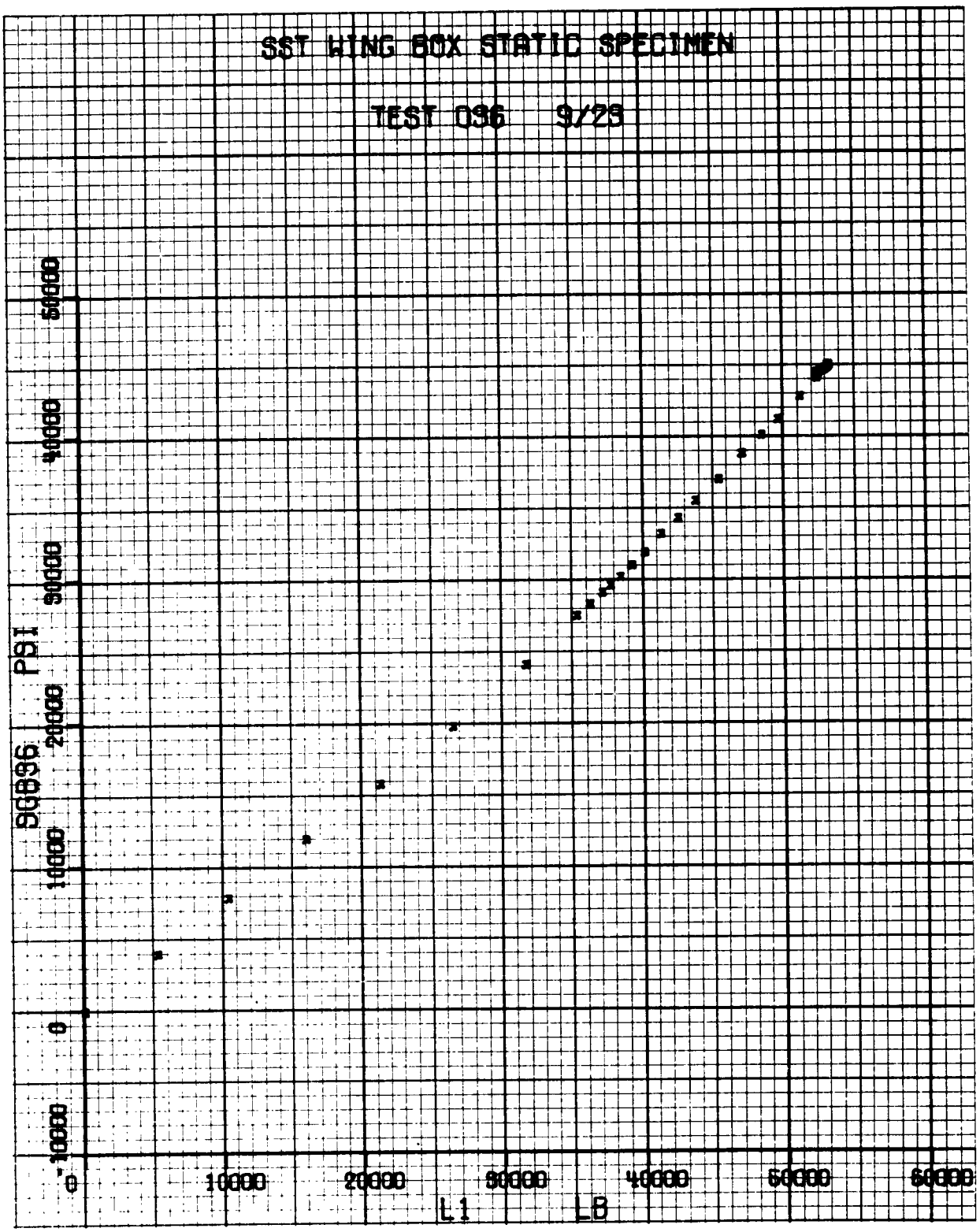
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TEST 036 9/23
SG896 PSI
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60000
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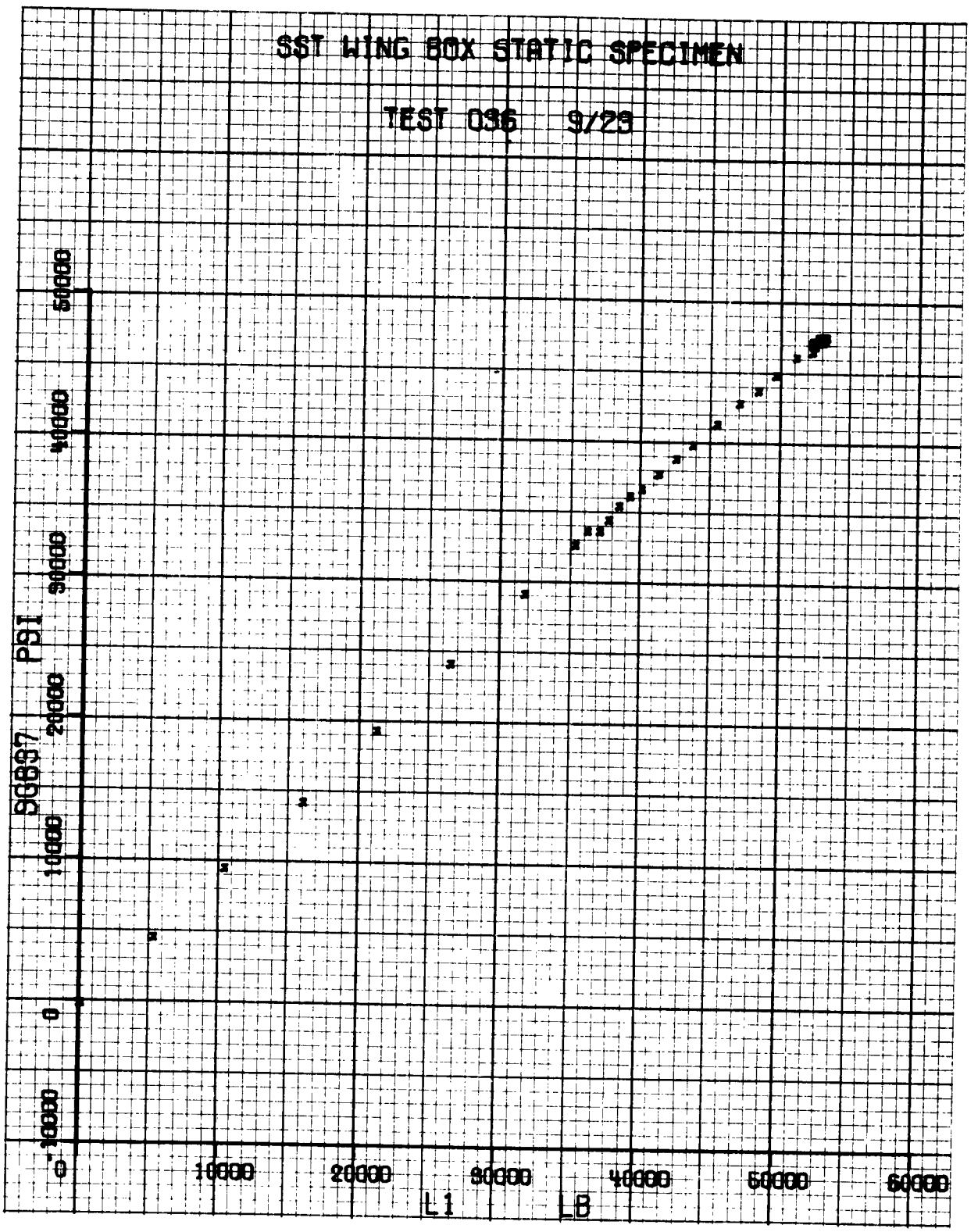
L8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TEST 036 9/23
PSI
SG837
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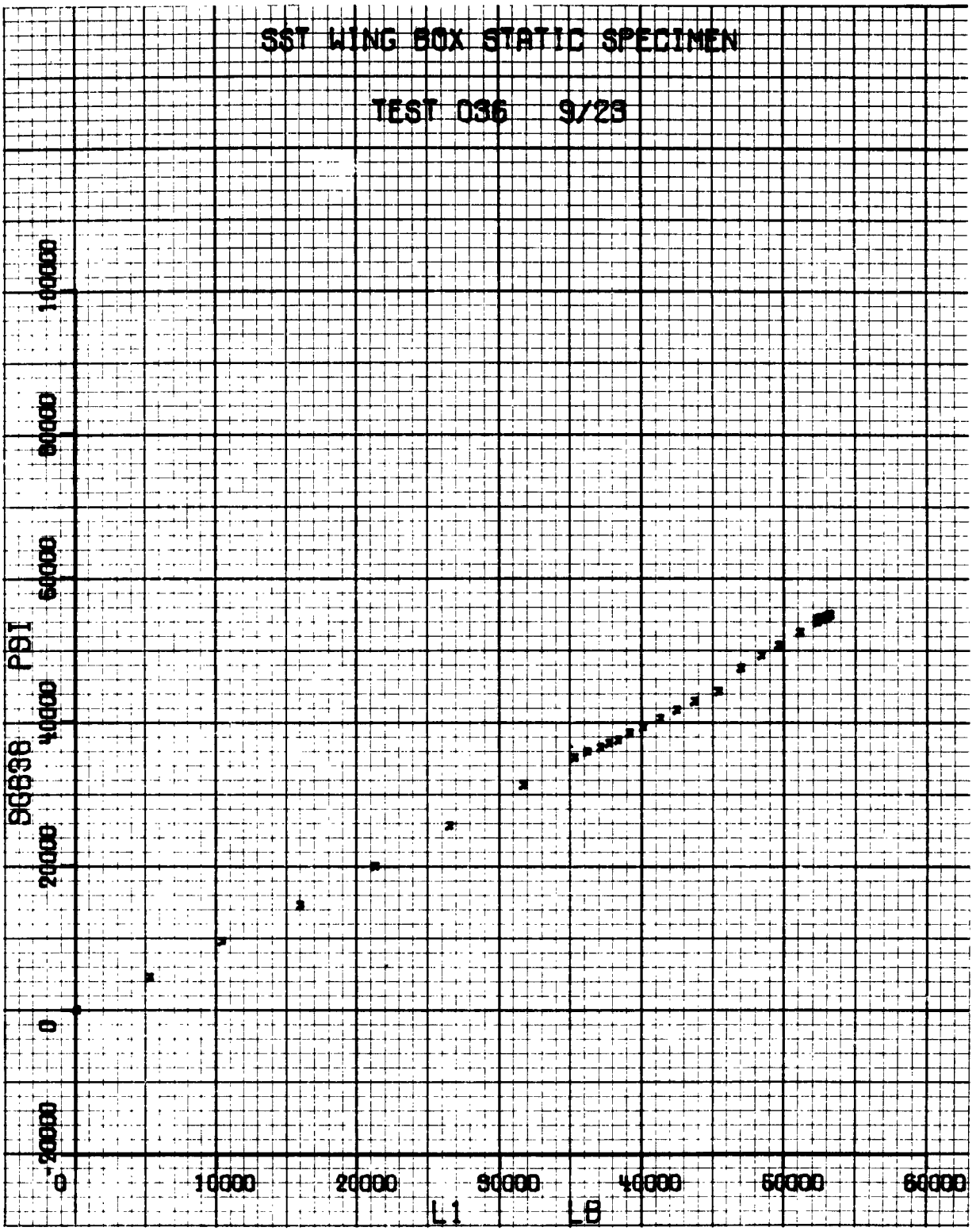
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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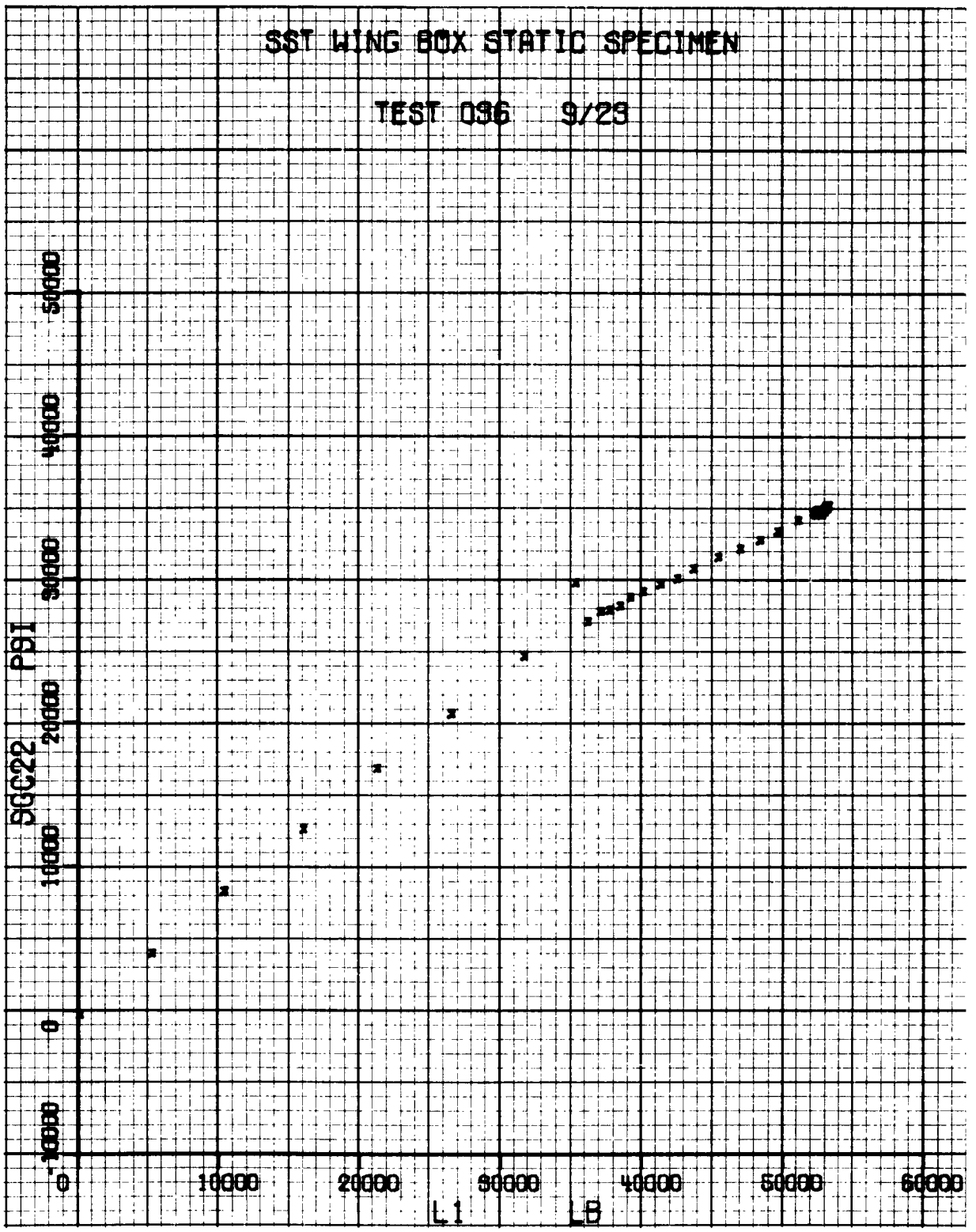
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC22 PSI
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30000
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60000
L1
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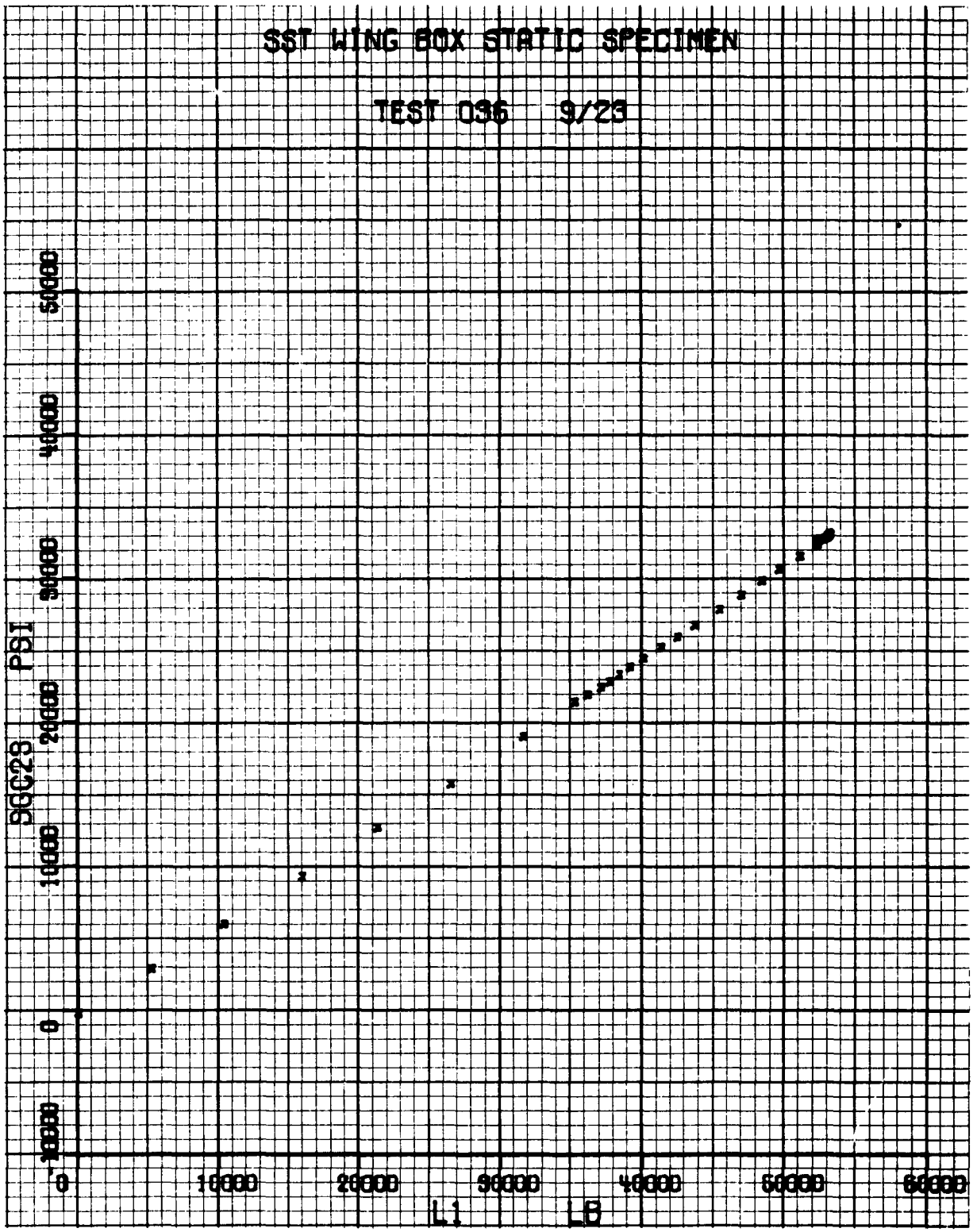
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGG28 PSI
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2000
1000
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-1000
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10000
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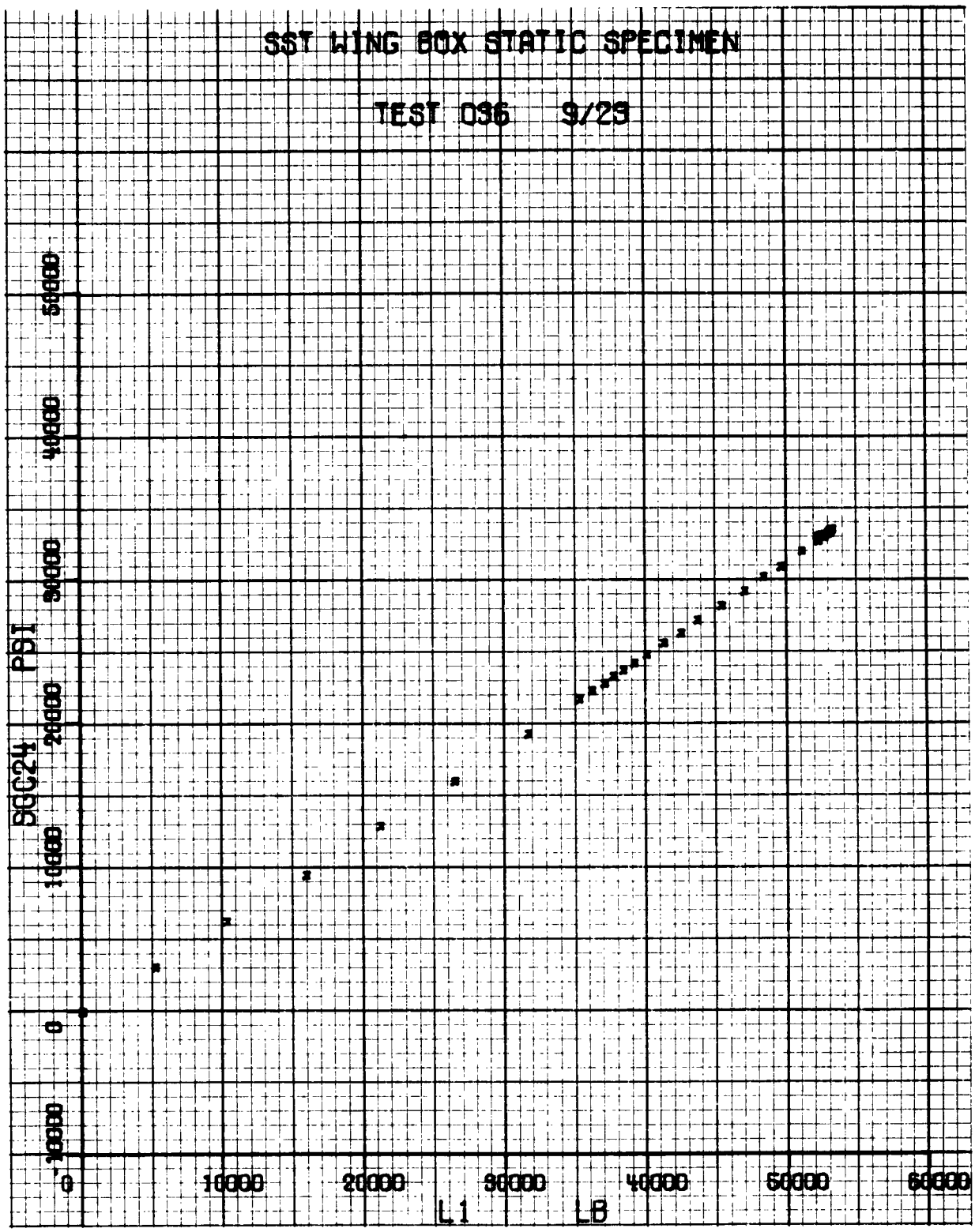
30000
40000
50000
60000
L1
L6


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC24 PSI
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10000
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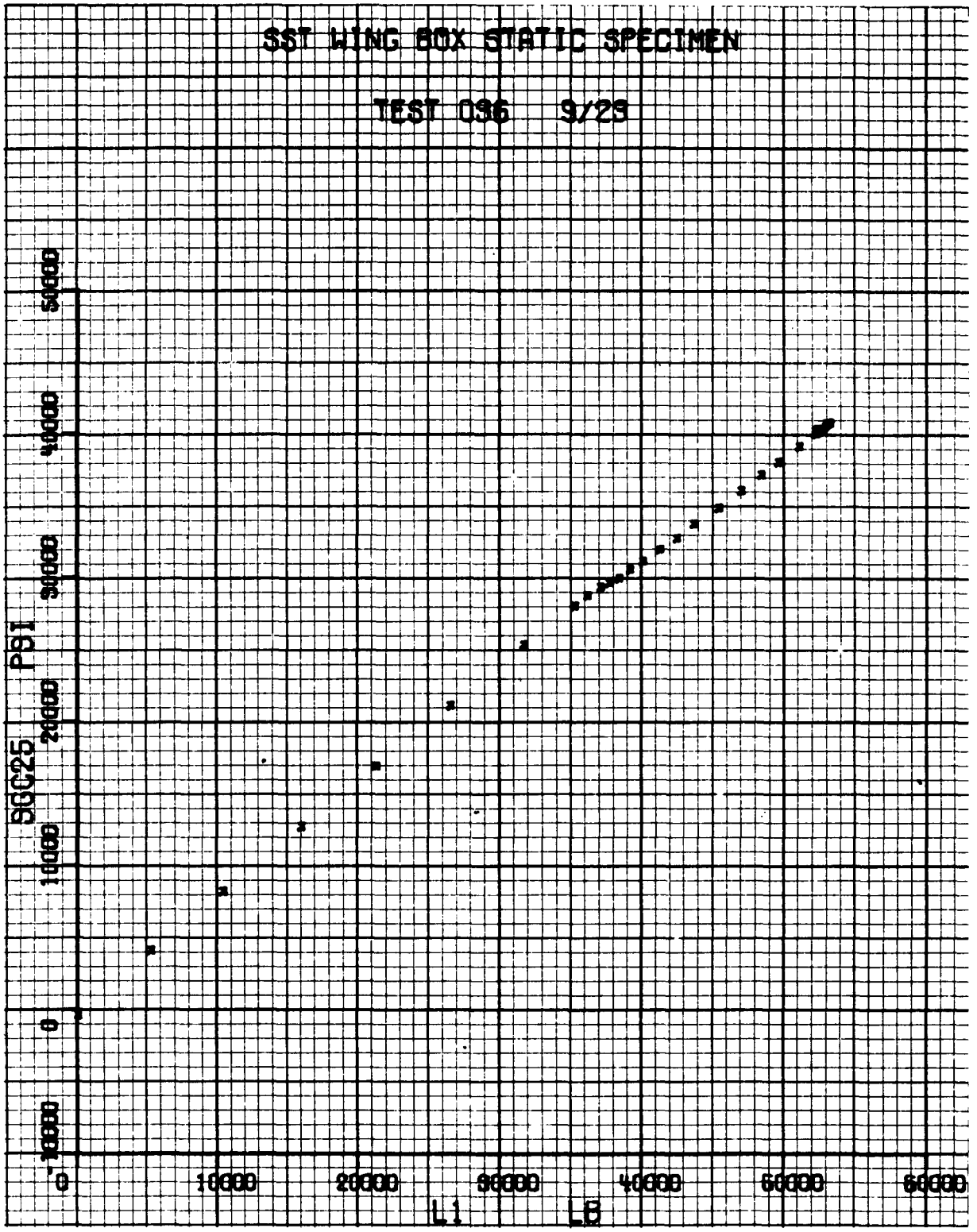
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC25 PSI
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2000
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-1000
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10000
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30000
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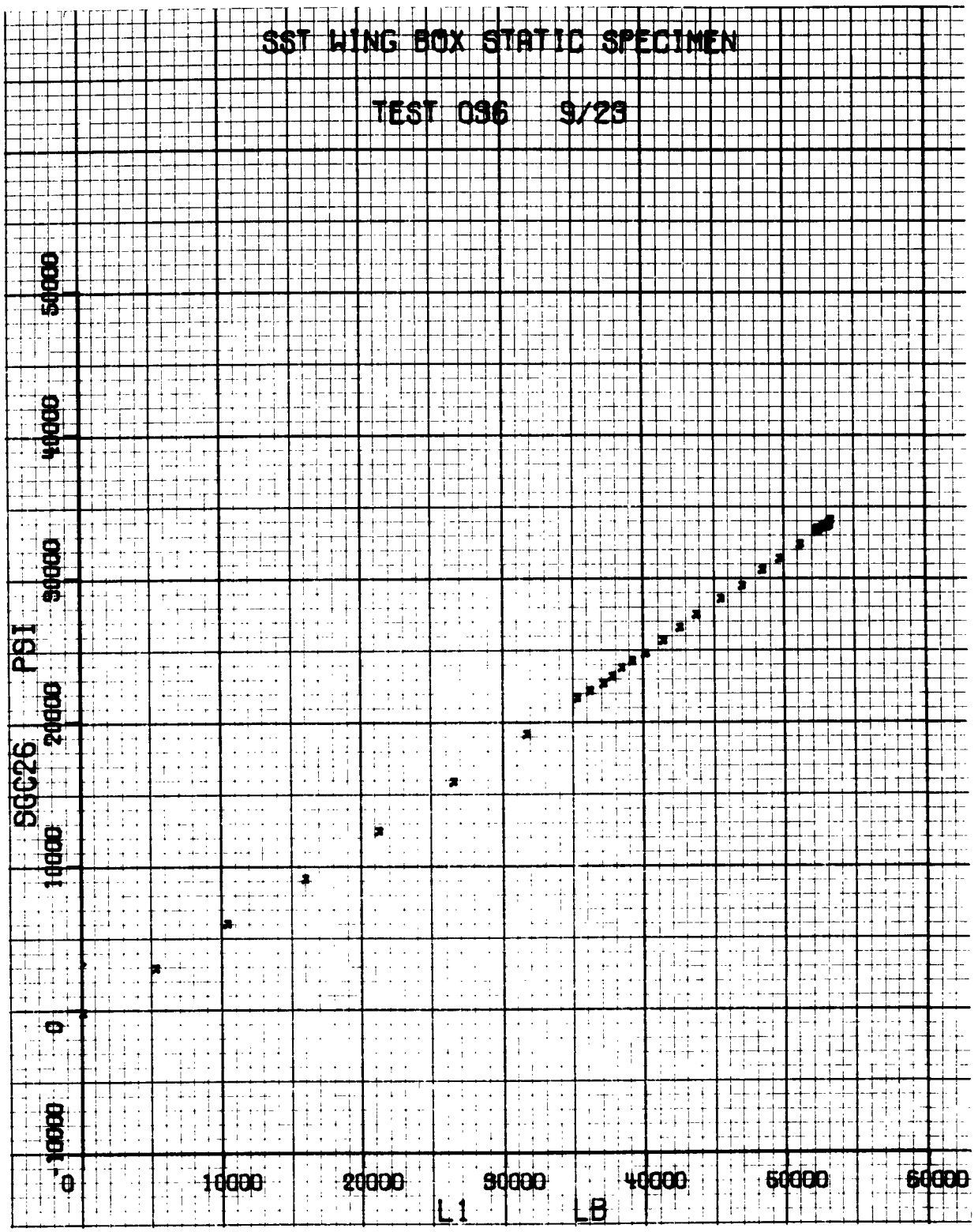
50000
60000
L1
L6


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC26 PSI
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30000
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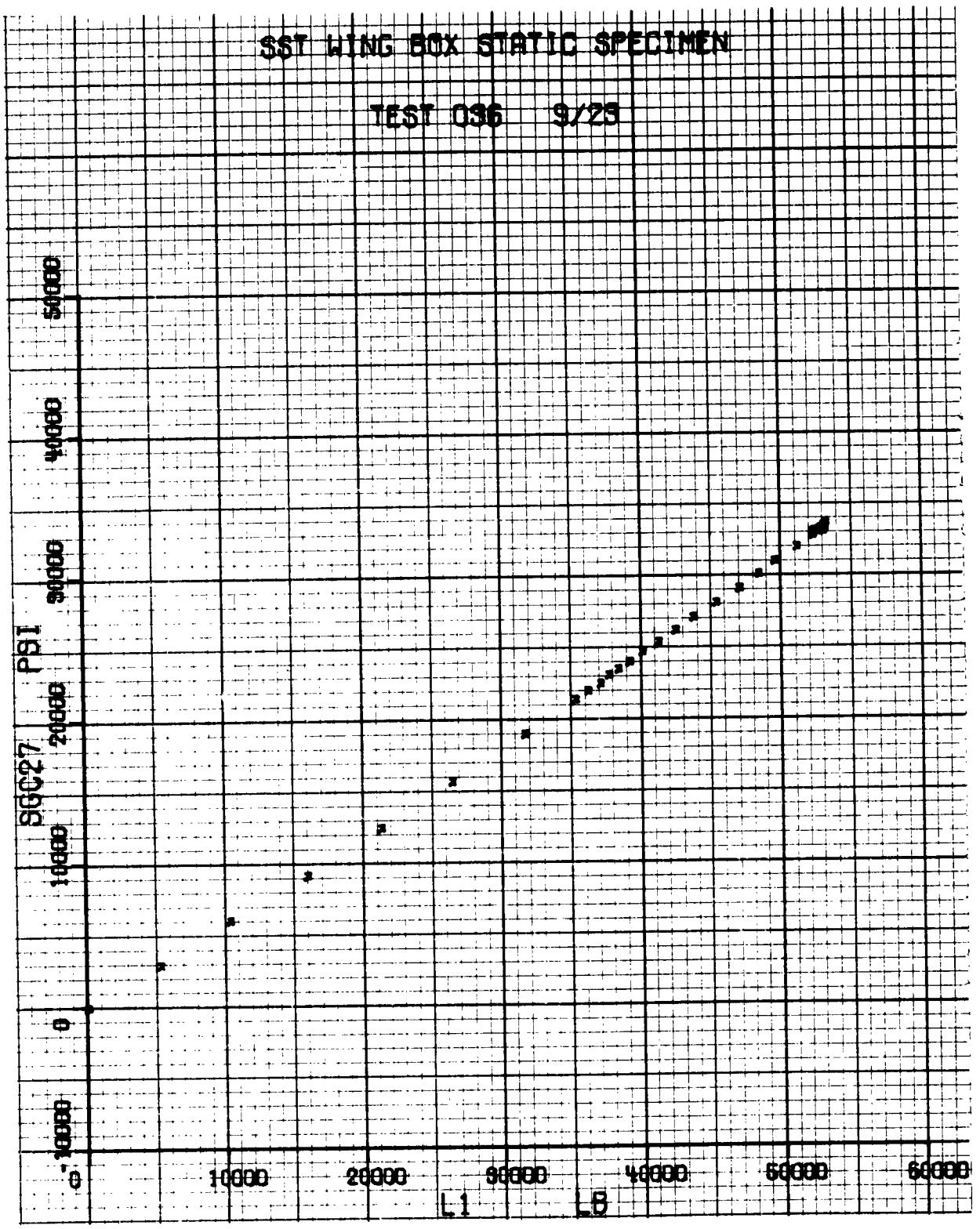
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
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-10000
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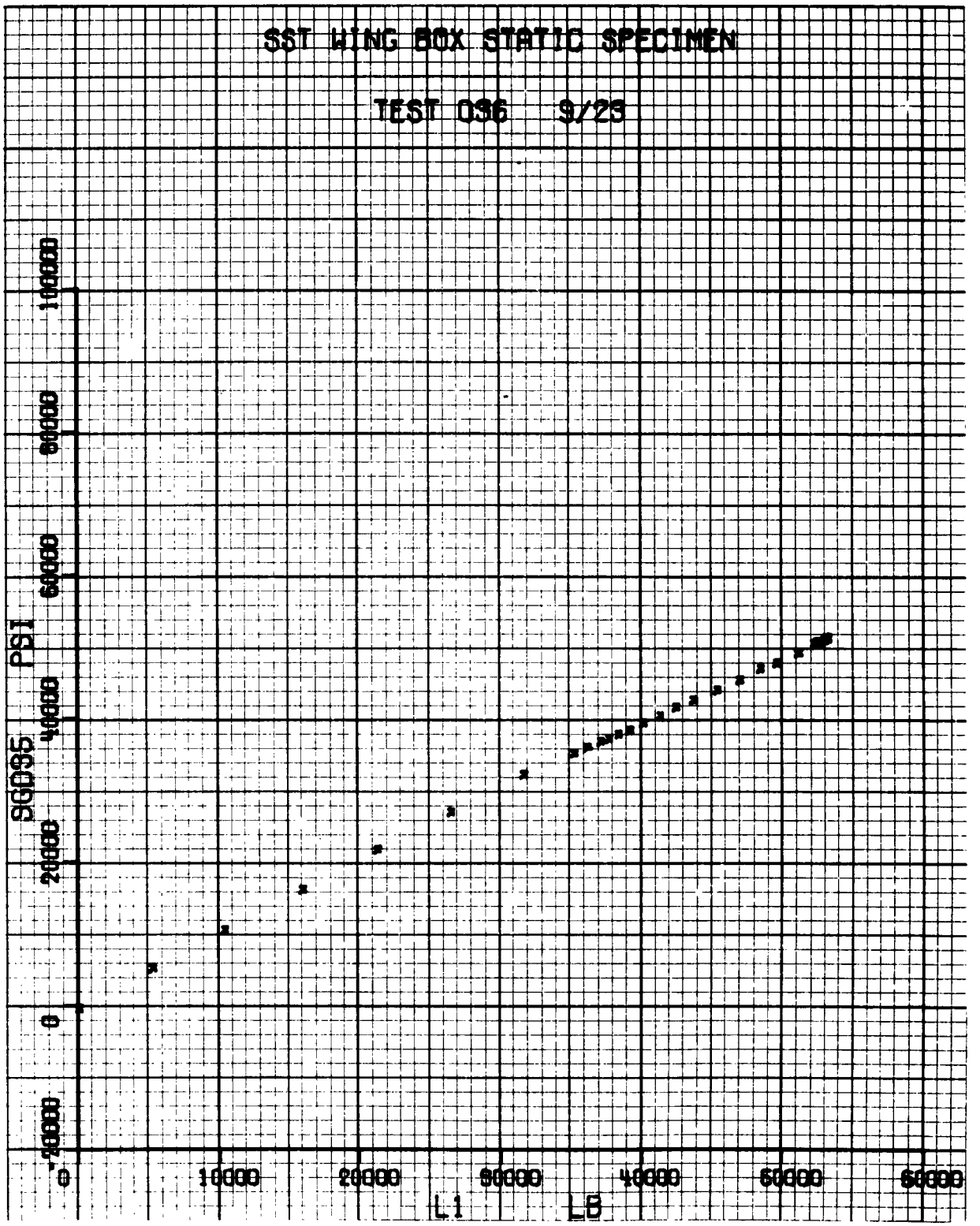
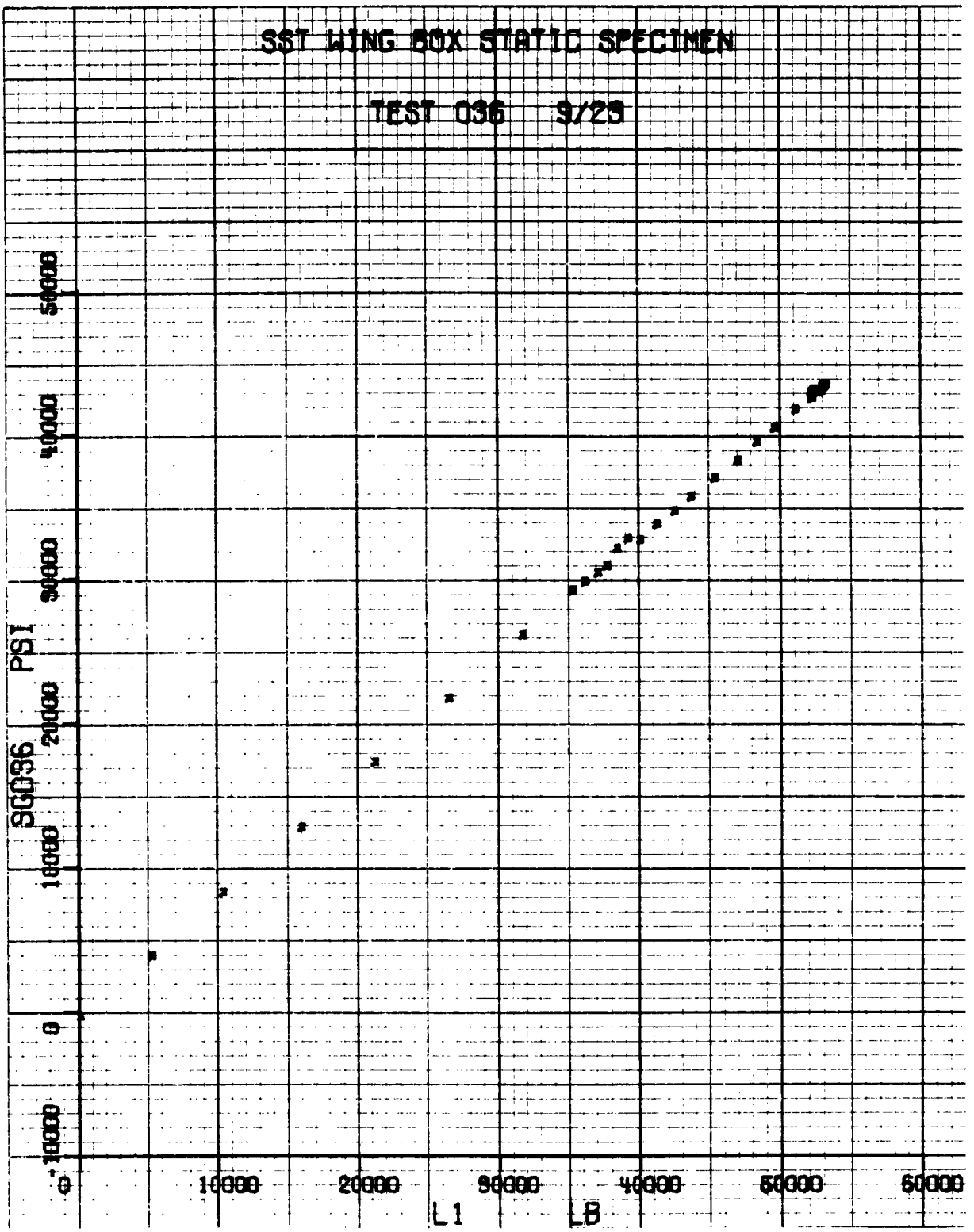
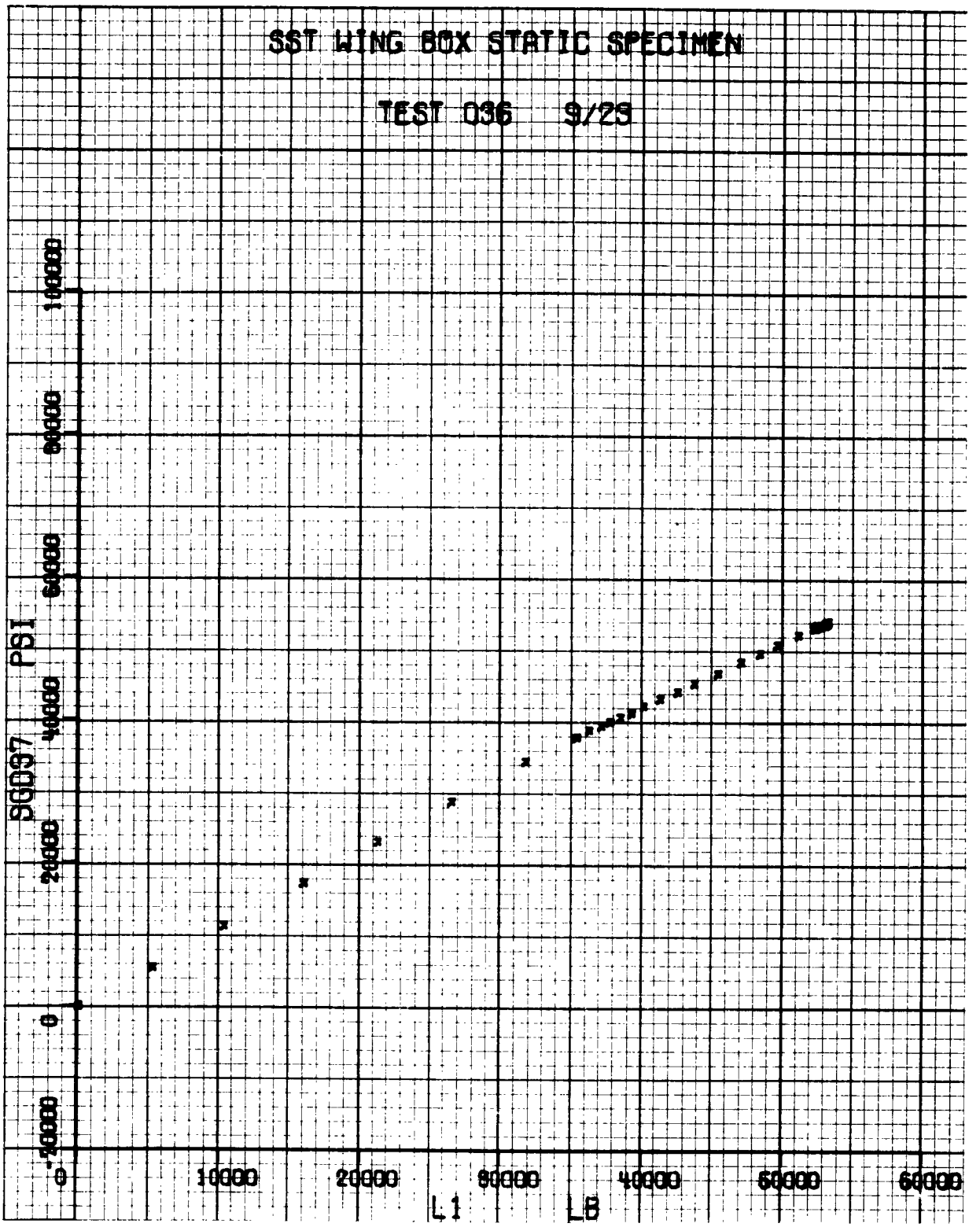
10000
20000
30000
40000
50000
60000
L1
L6


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD95 PSI
10000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/29
SG036
PSI
50000
40000
30000
20000
10000
0
-10000
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG037 PSI
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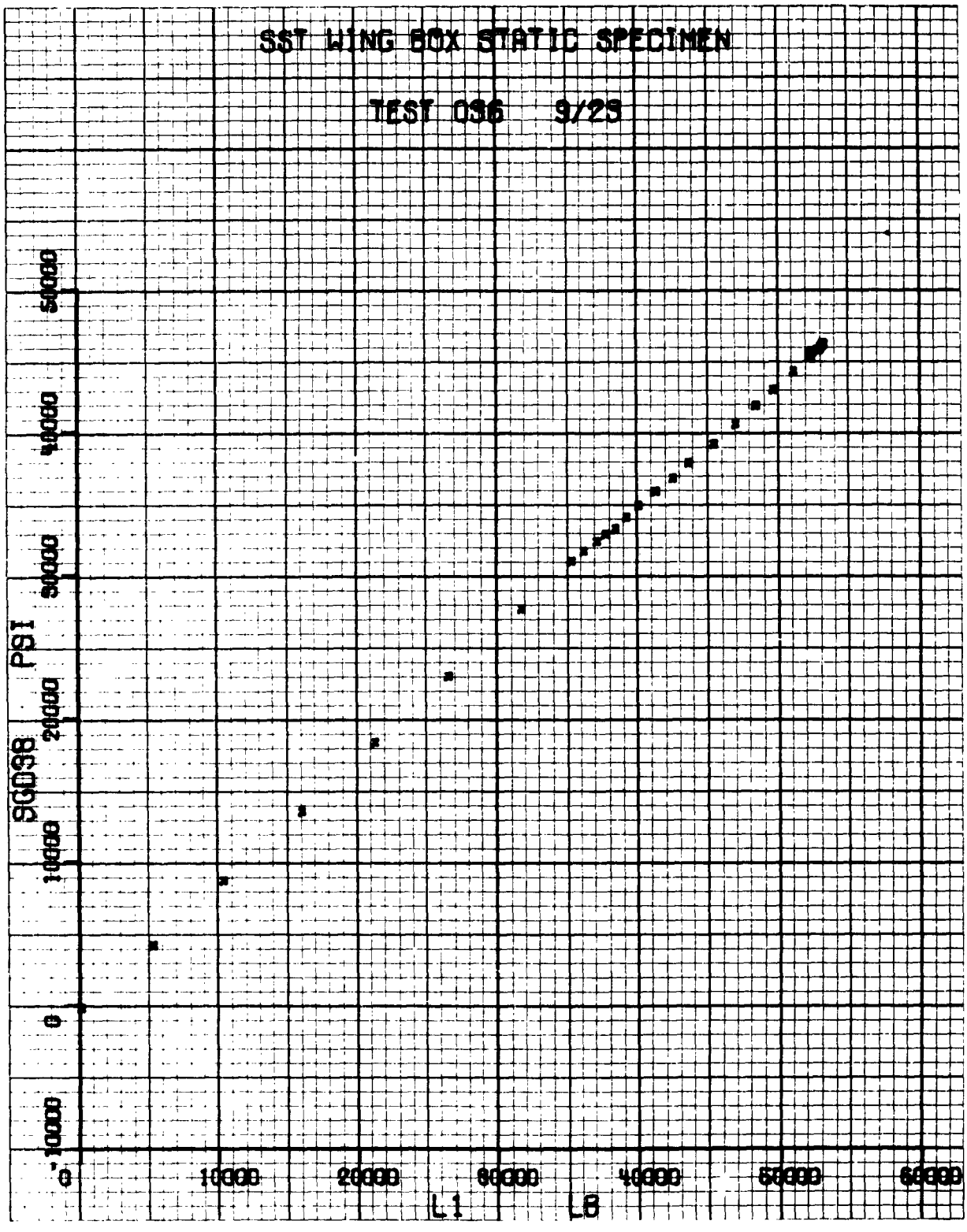
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
L1
L6


SST WING BOX STATIC SPECIMEN
TEST 036 9/28
SG038 PSI
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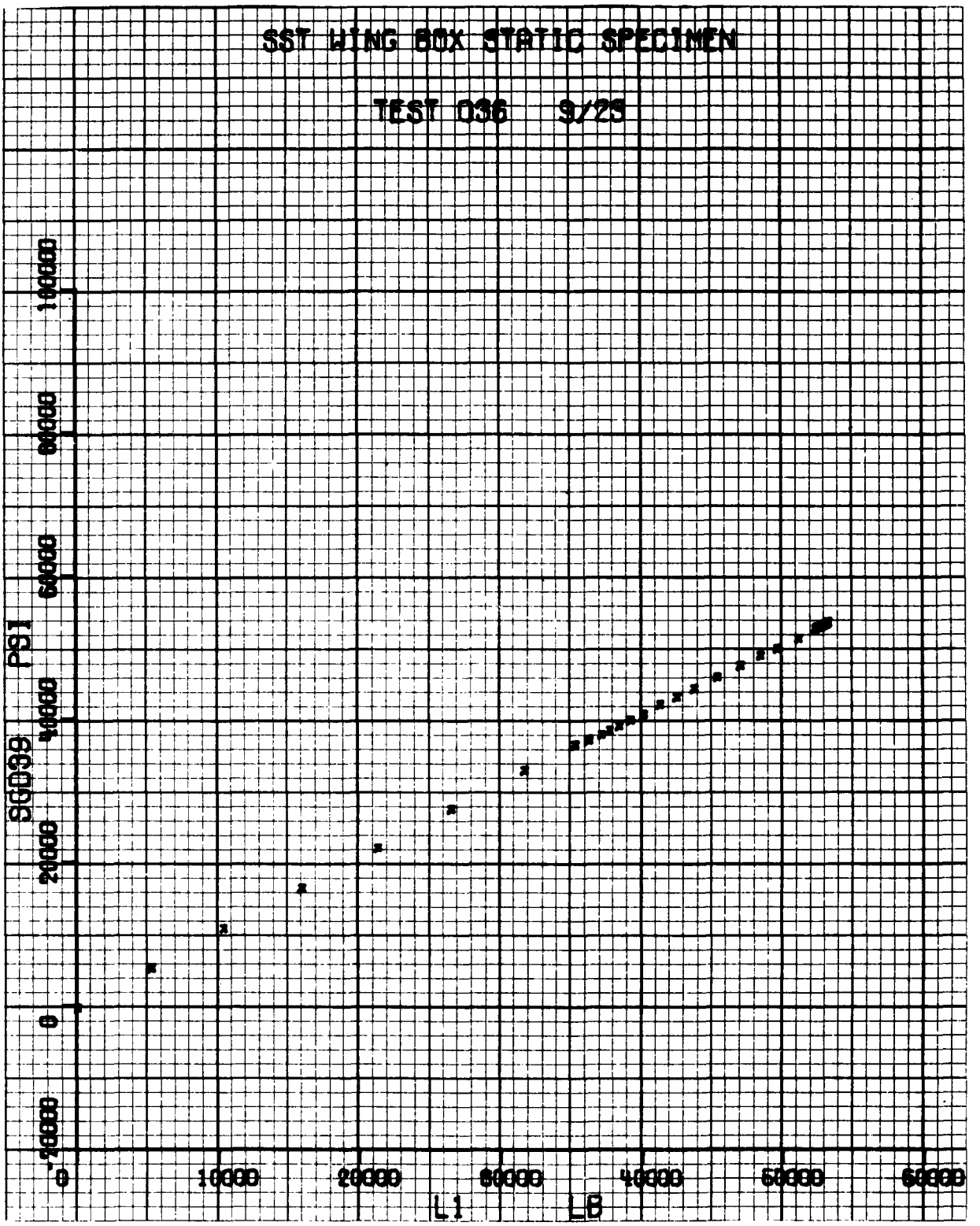
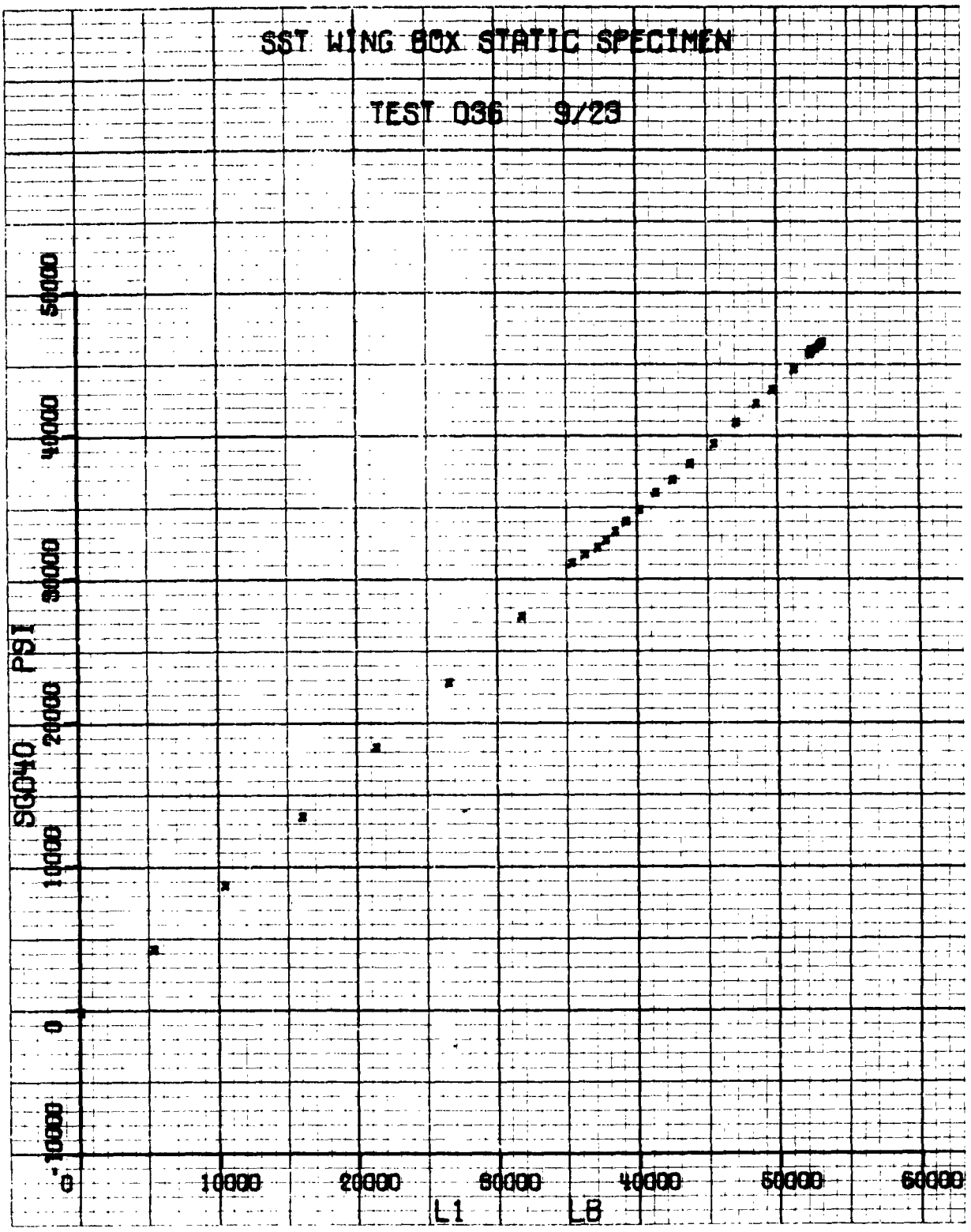
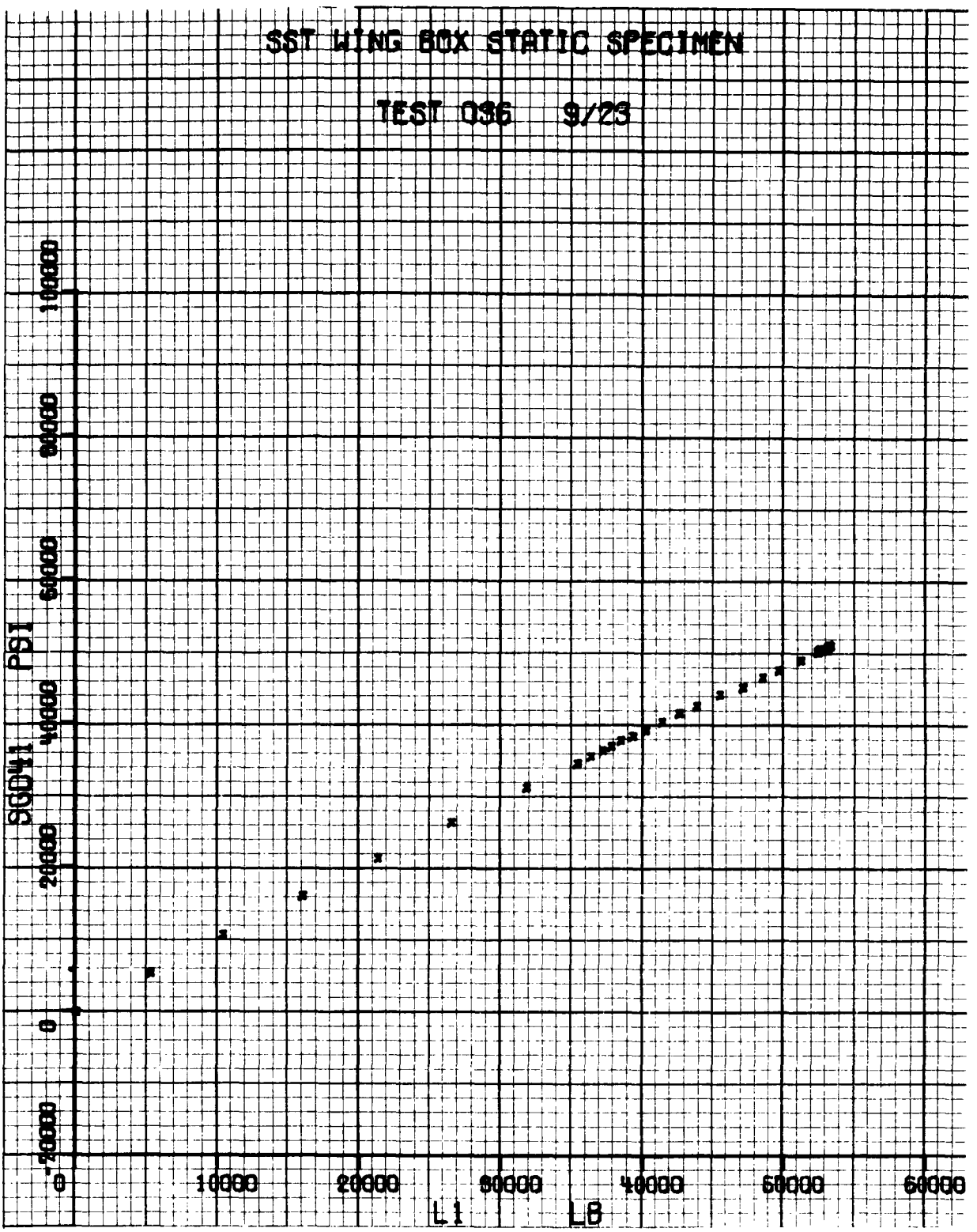
40000
30000
20000
10000
0
-1000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/25
SG039 PSI
-20000
0
20000
40000
60000
100000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG040 PSI
50000
40000
30000
20000
10000
0
-10000
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGD41 PSI
10000
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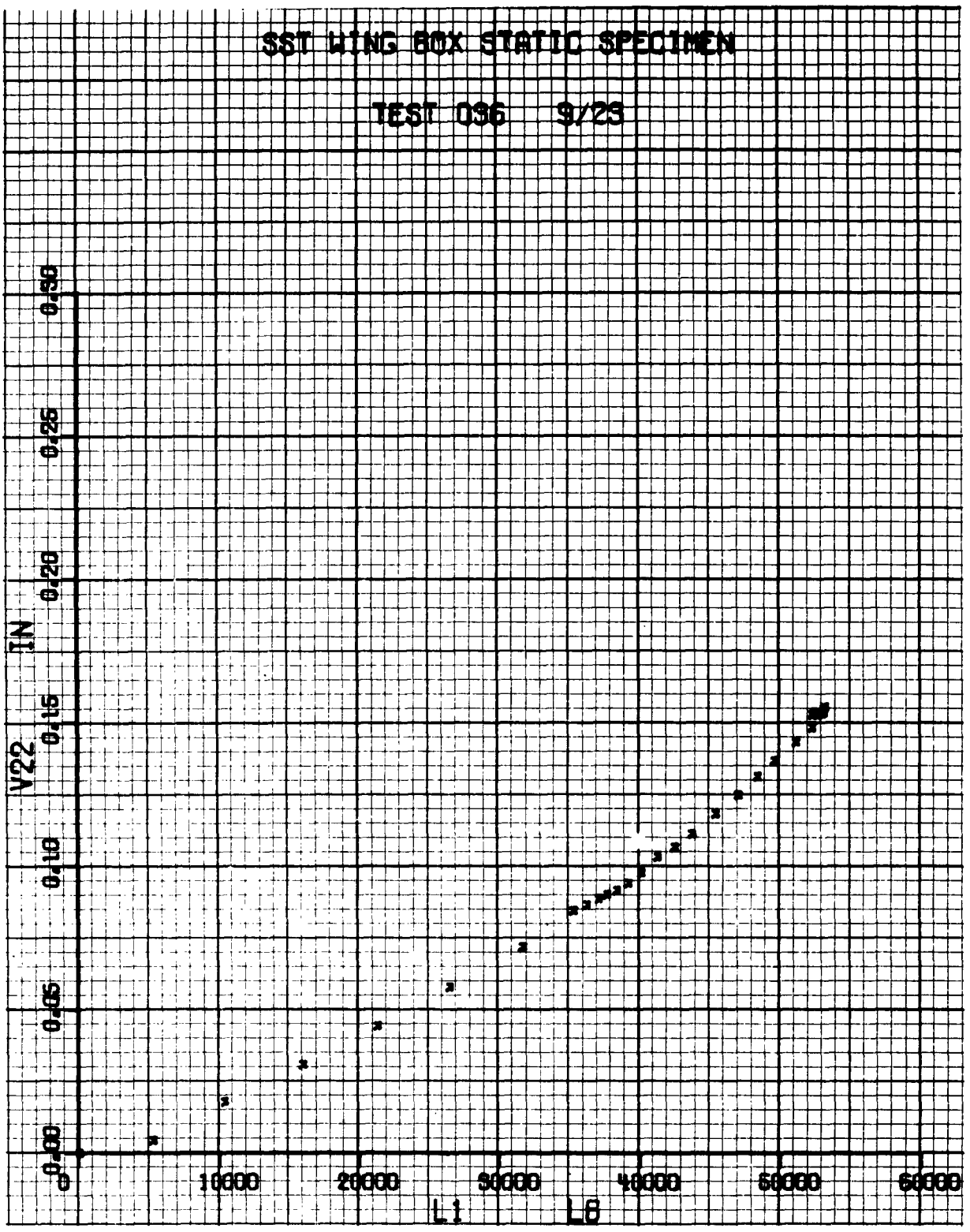
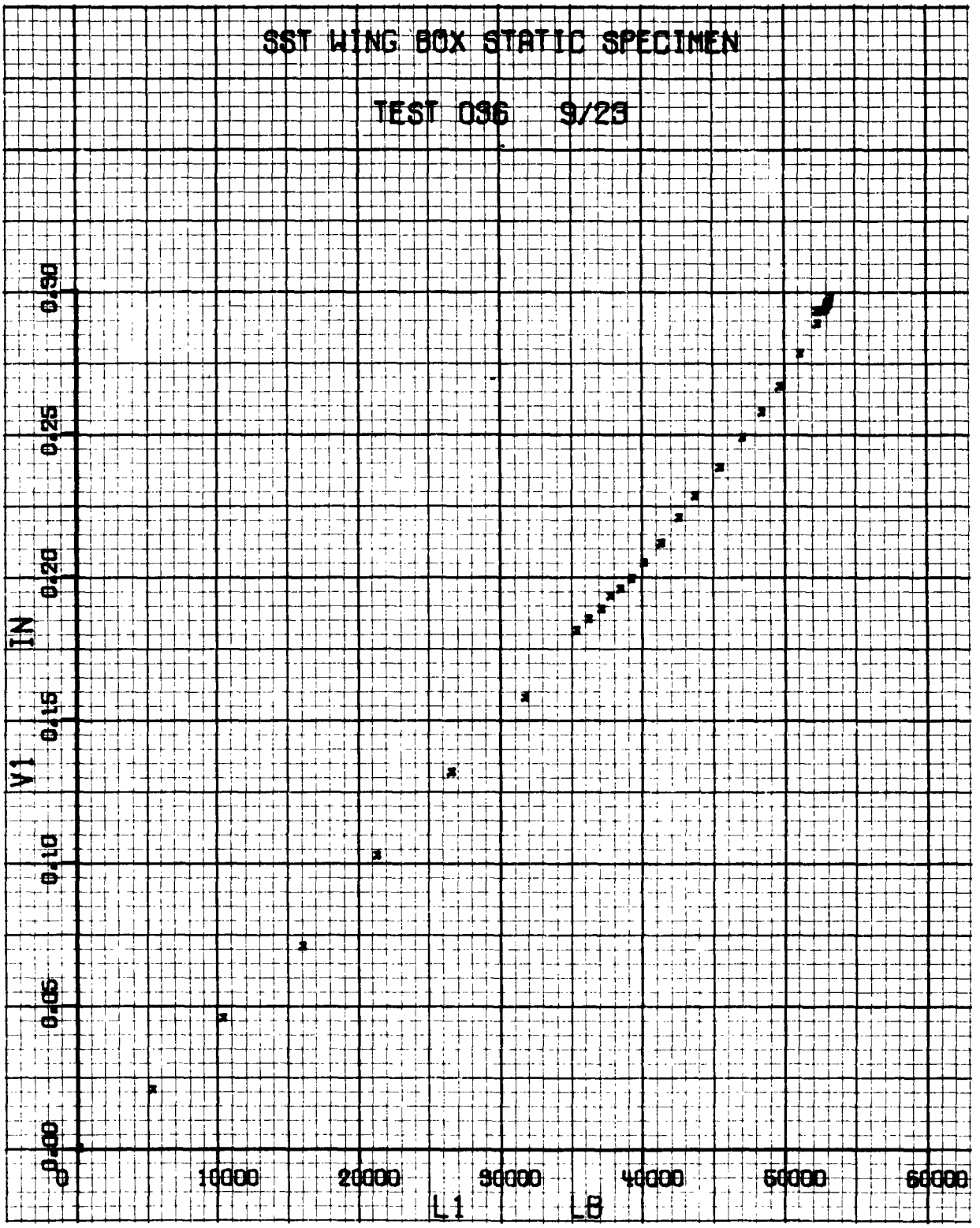
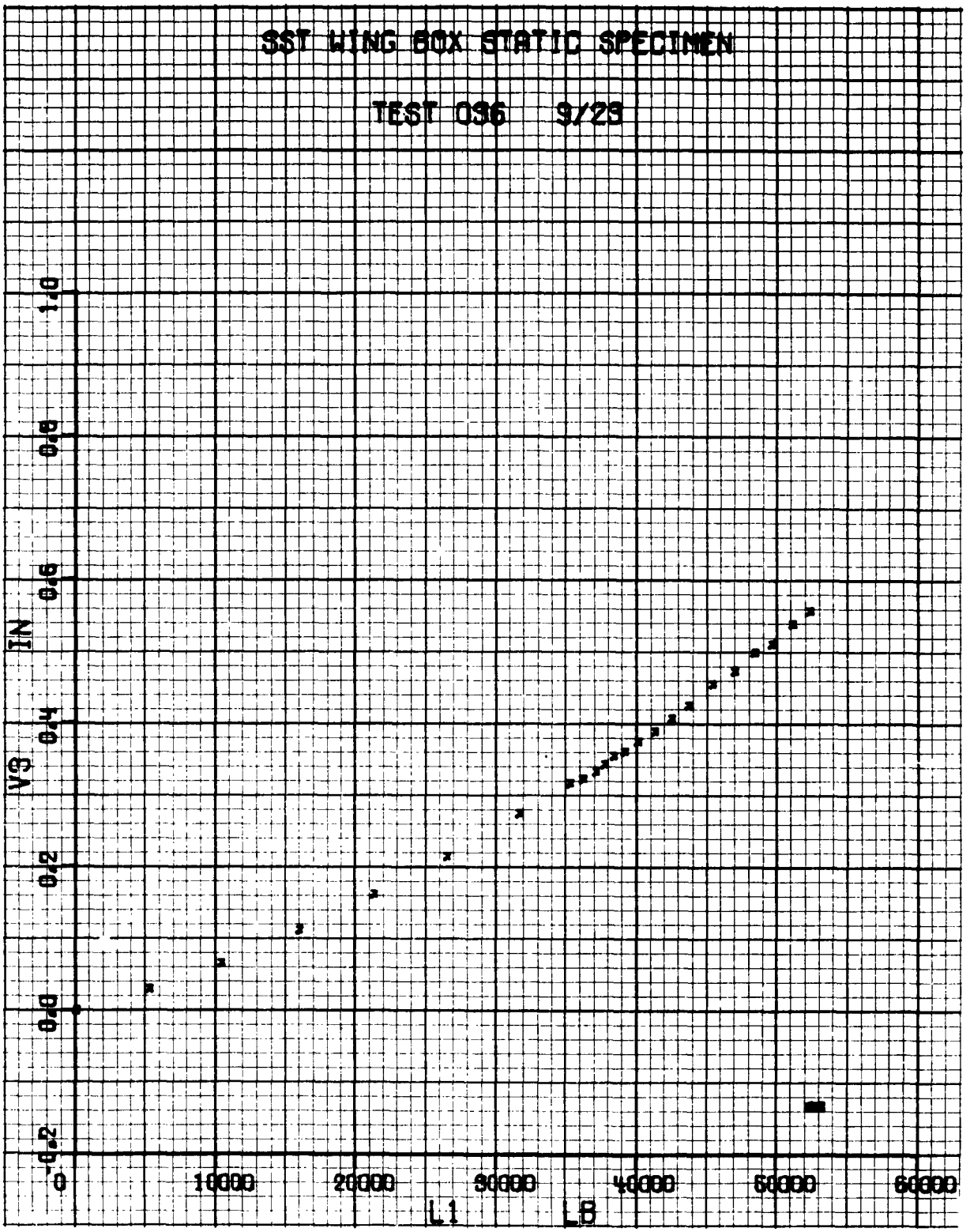
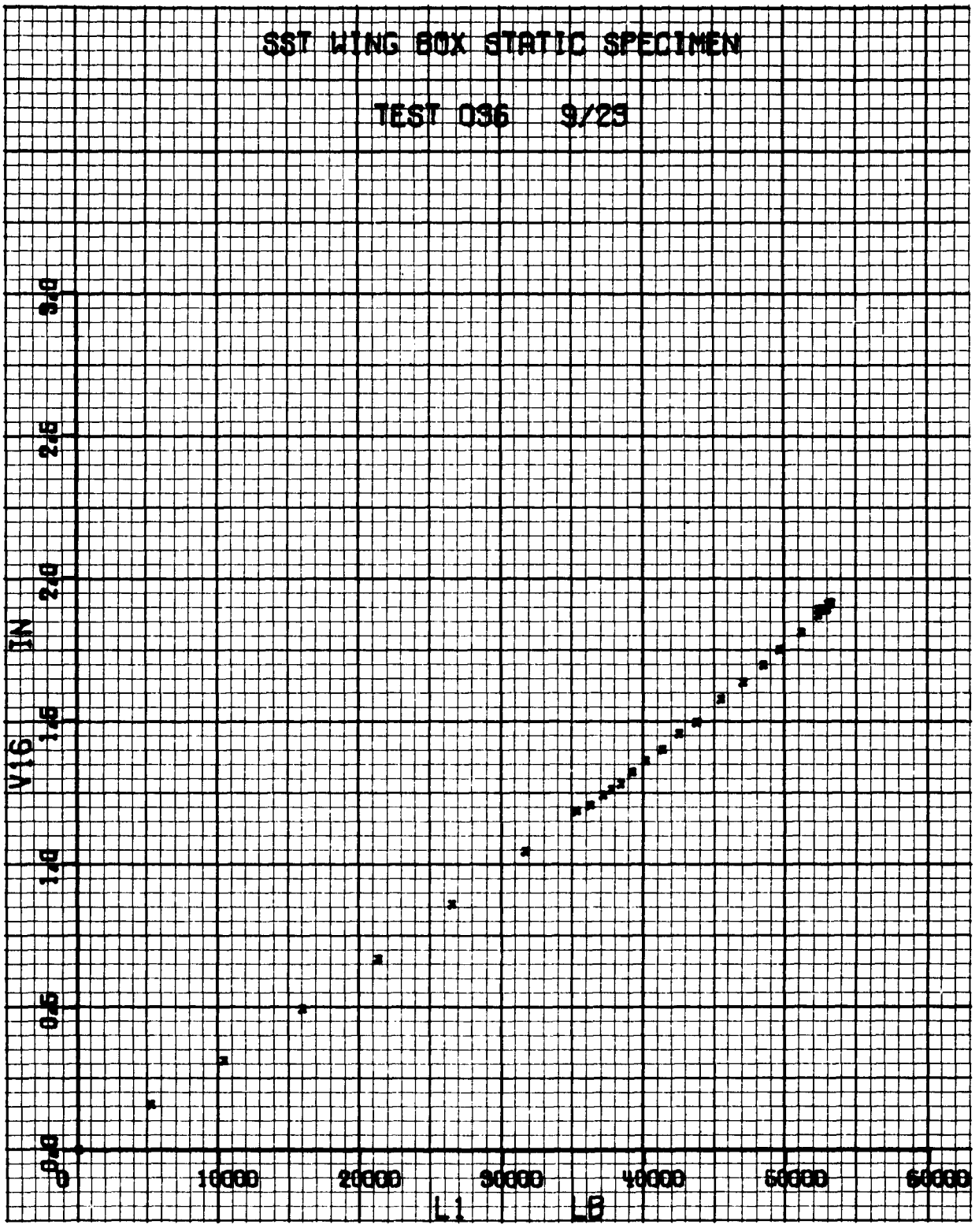
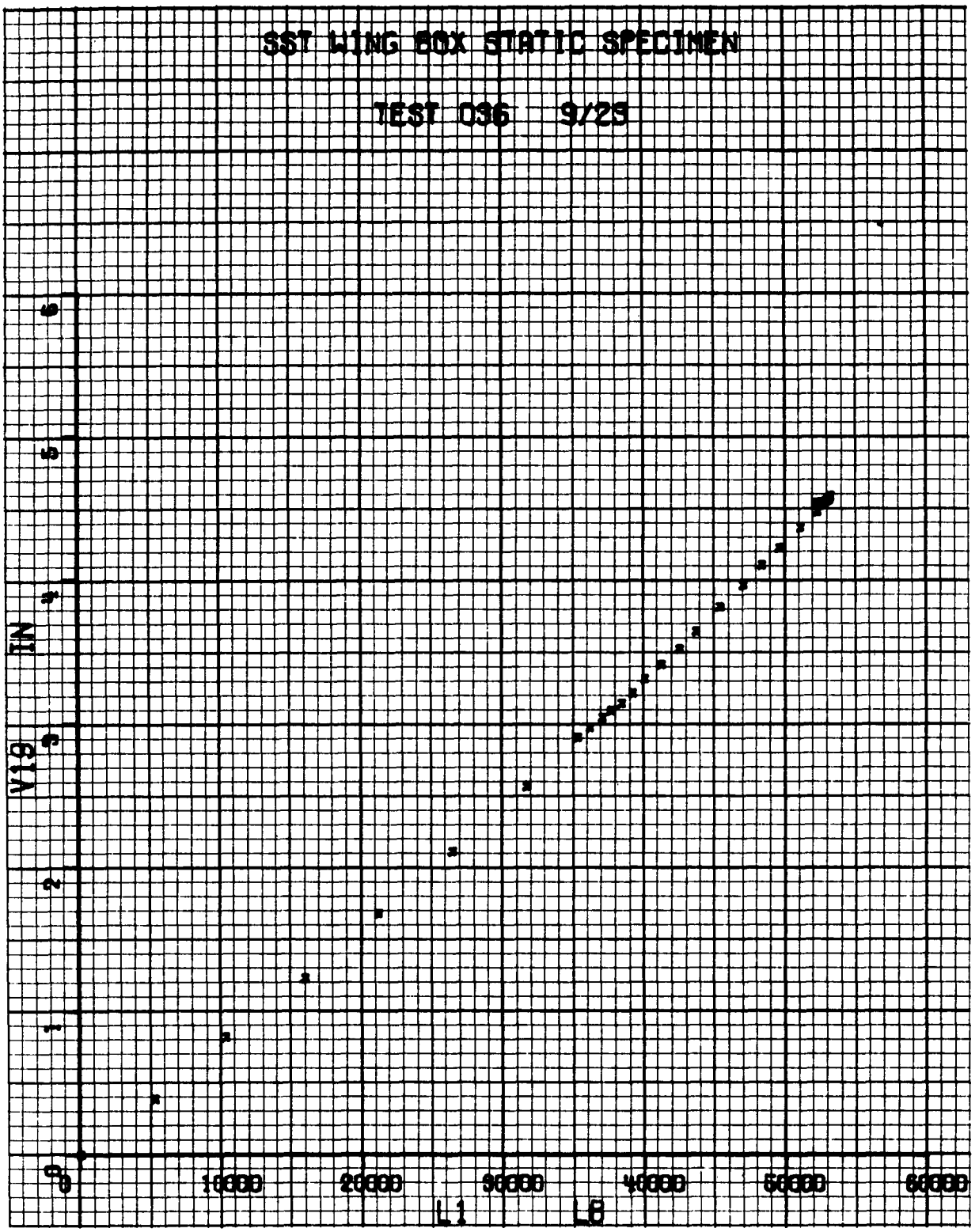
-2000
0
10000
20000
30000
40000
50000
60000
L1
L8

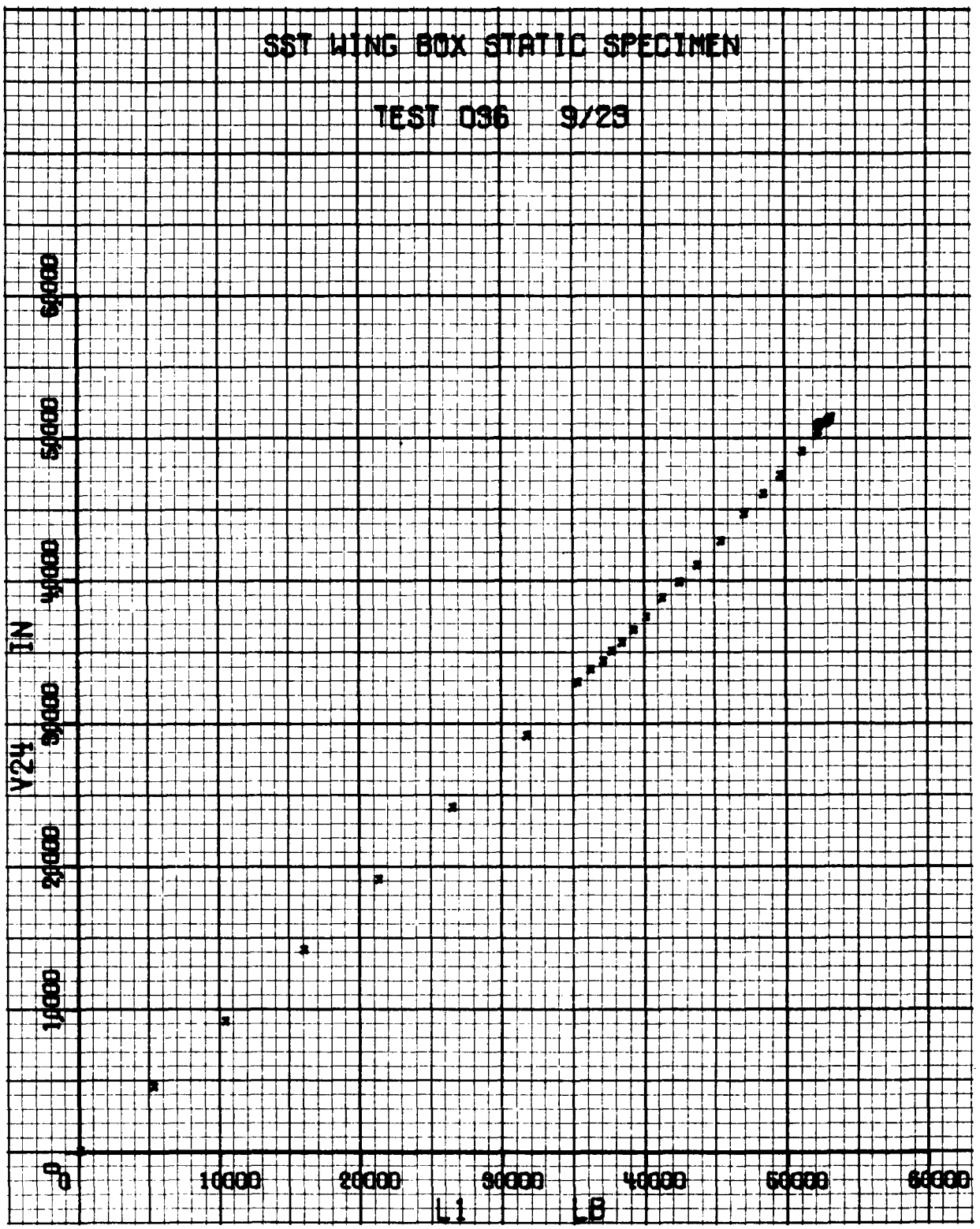

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V22
IN
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
10000
20000
30000
40000
50000
60000
L1
L6

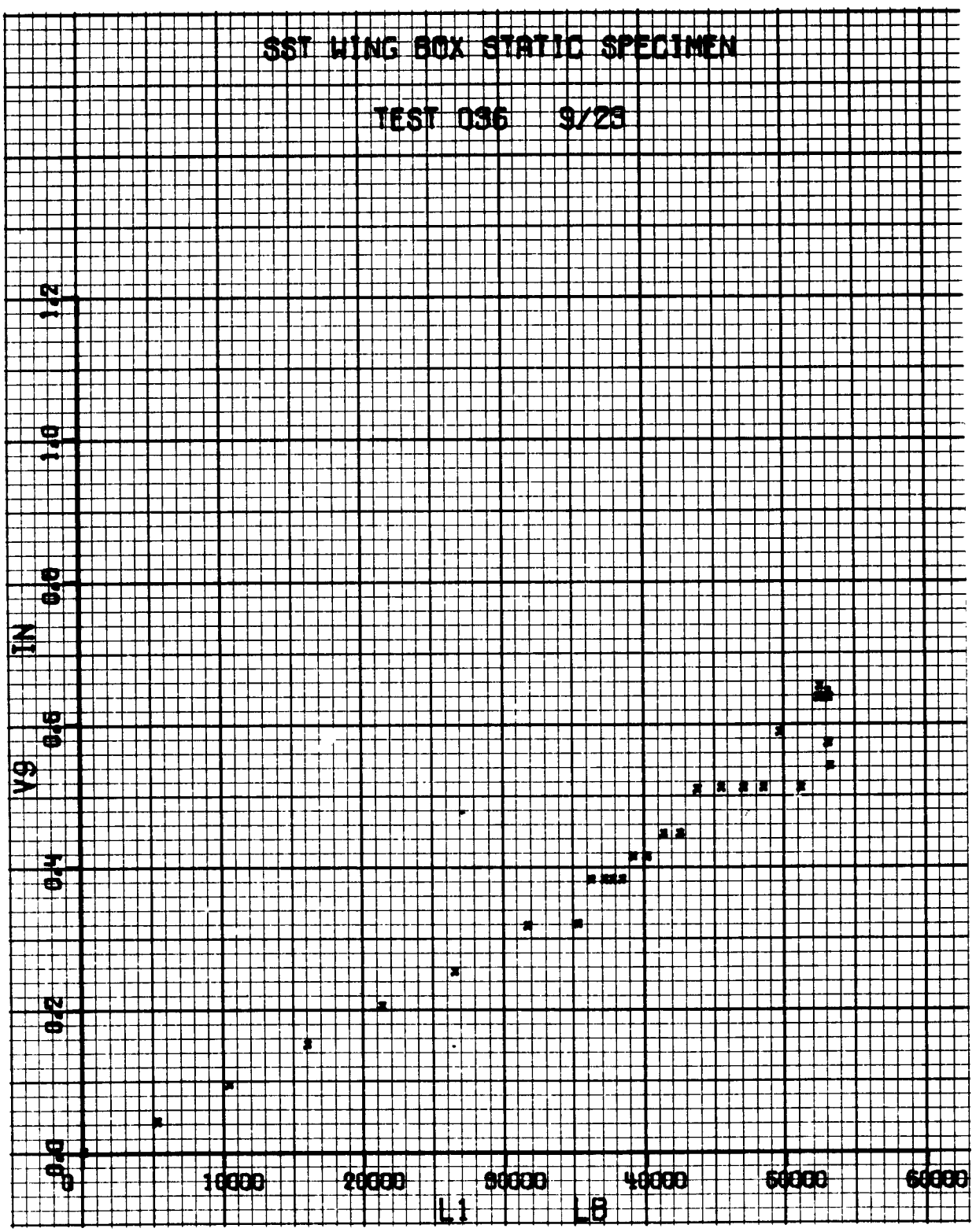

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V1 IN
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0
10000
20000
30000
40000
50000
60000
L1
L8

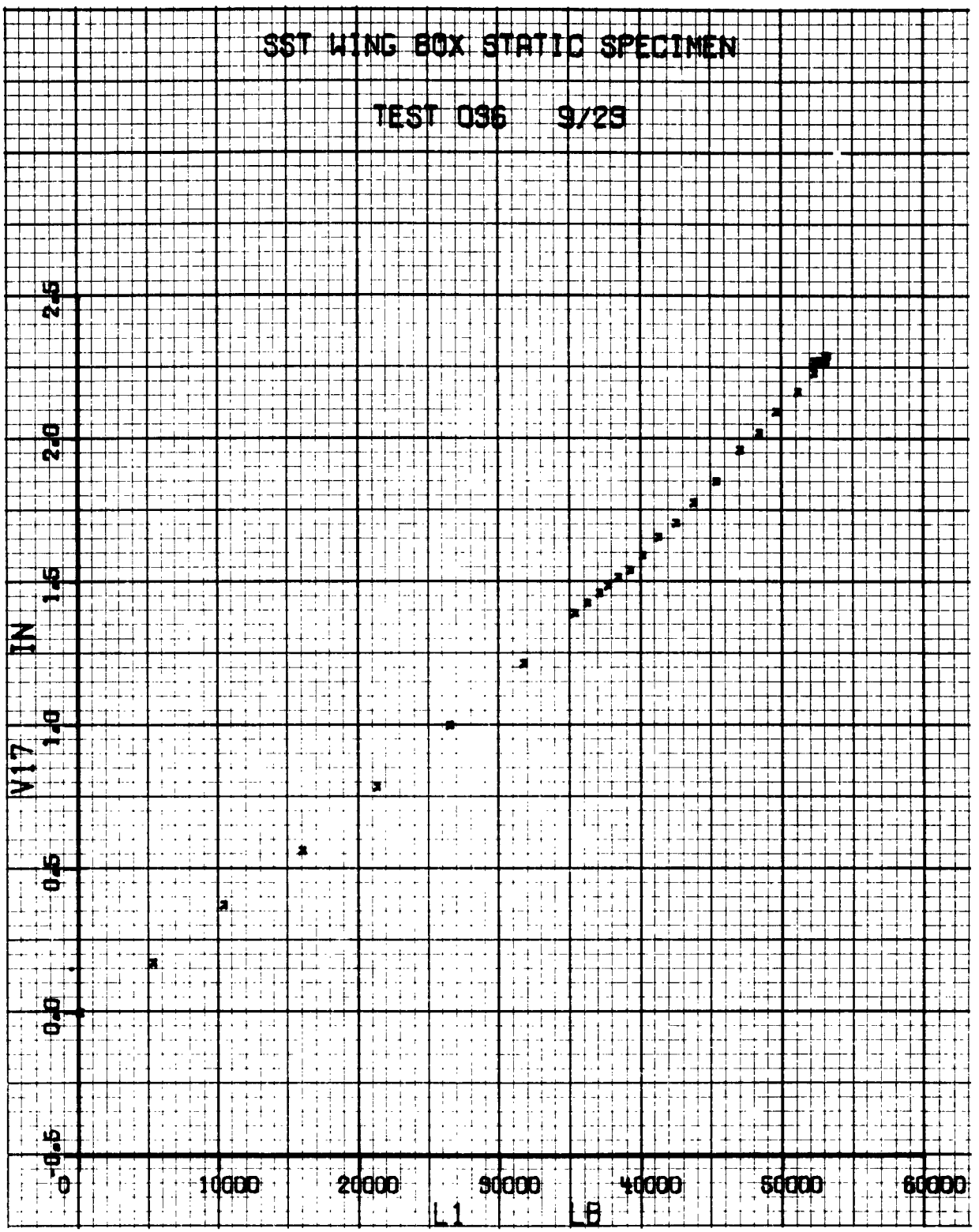

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V3 IN
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
0
10000
20000
30000
40000
50000
60000
L1
L8

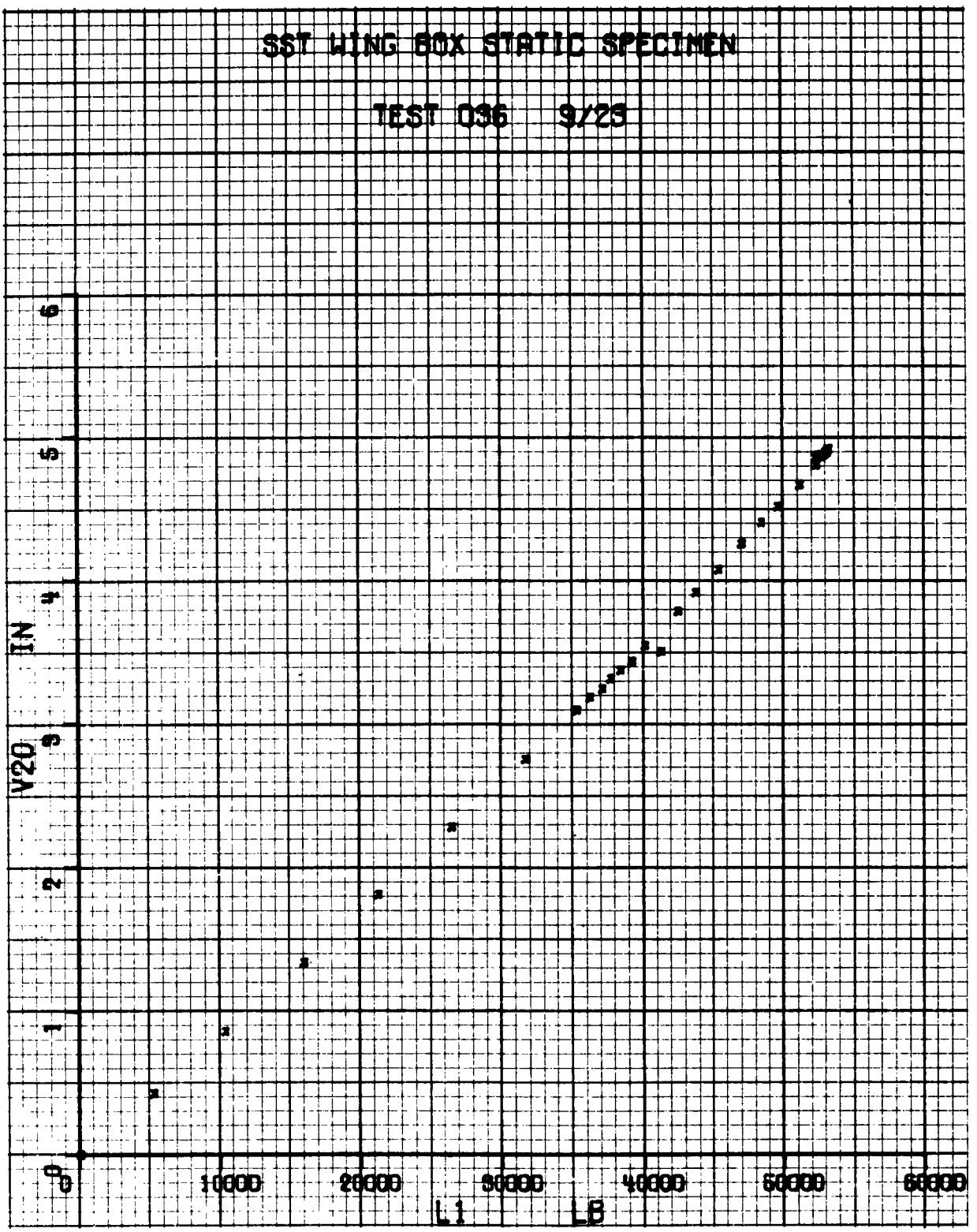

SST WING BOX STATIC SPECIMEN
TEST 036 9/25
V16
IN
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
10000
20000
30000
40000
50000
60000
L1
L8

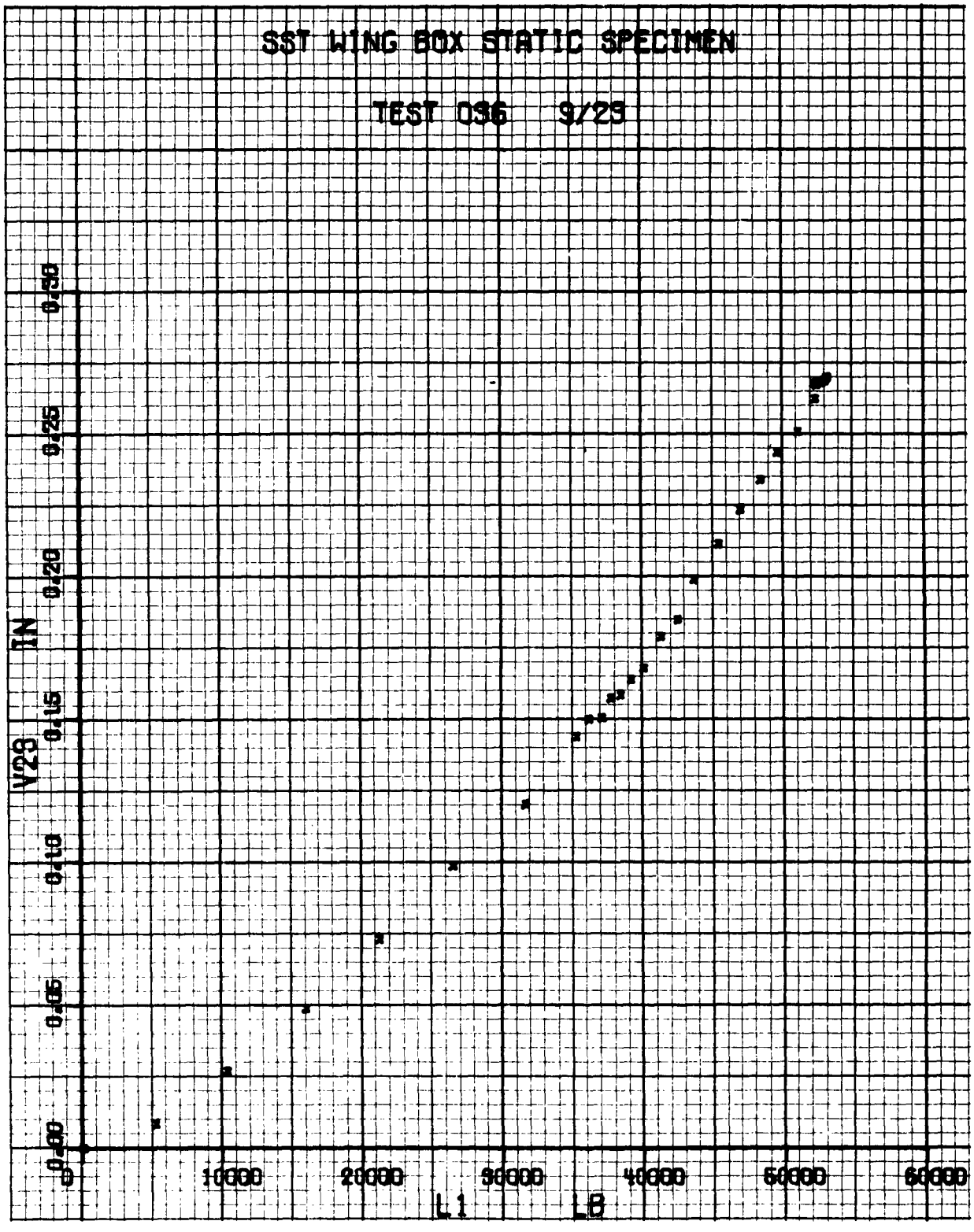

SST WING BOX STATIC SPECIMEN
TEST 036 9/25
V19
IN
0
1
2
3
4
5
6
10000
20000
30000
40000
50000
60000
L1
L8

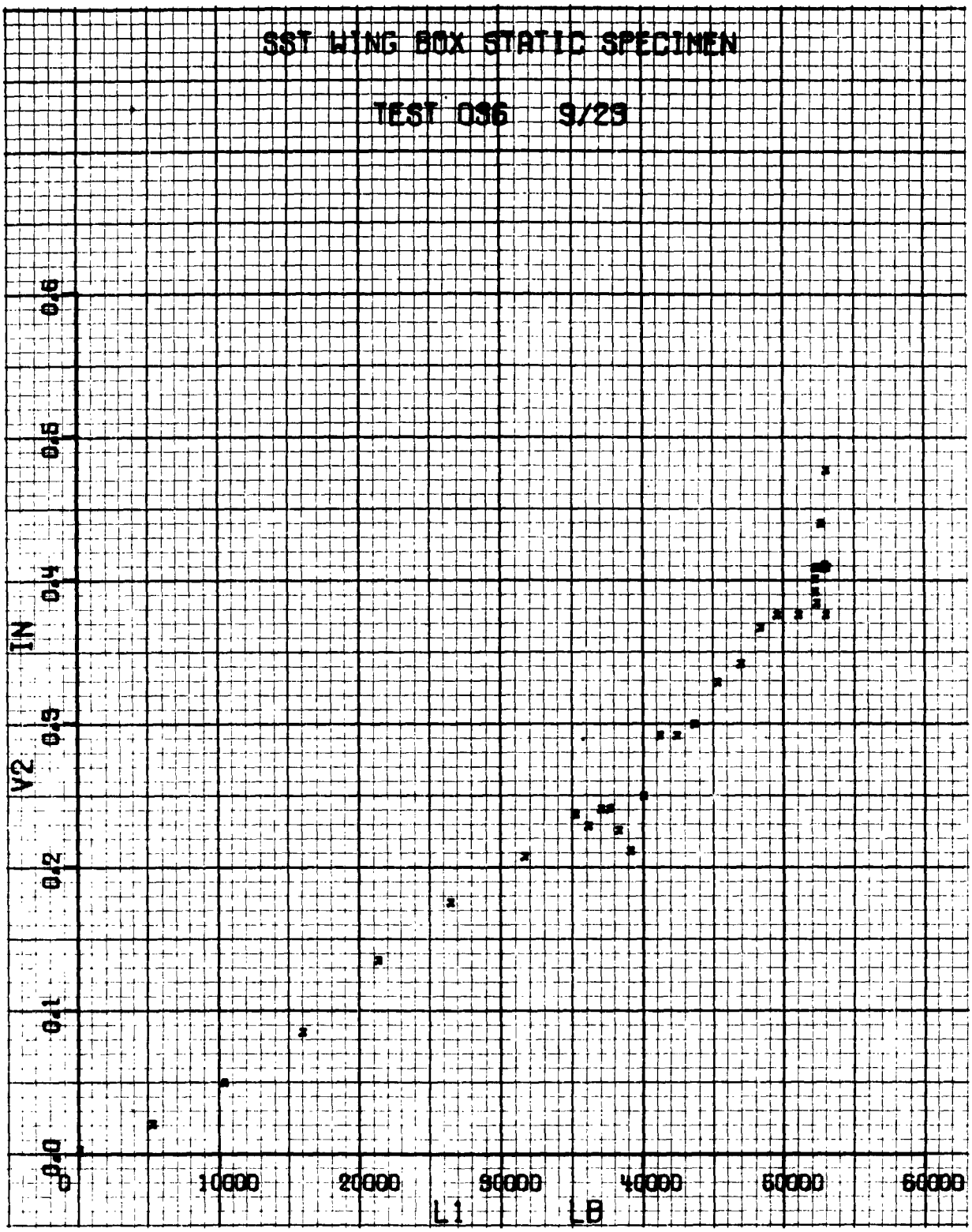

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V'24 IN
0
1000
2000
3000
4000
5000
6000
0
10000
20000
30000
40000
50000
60000
L1
LB

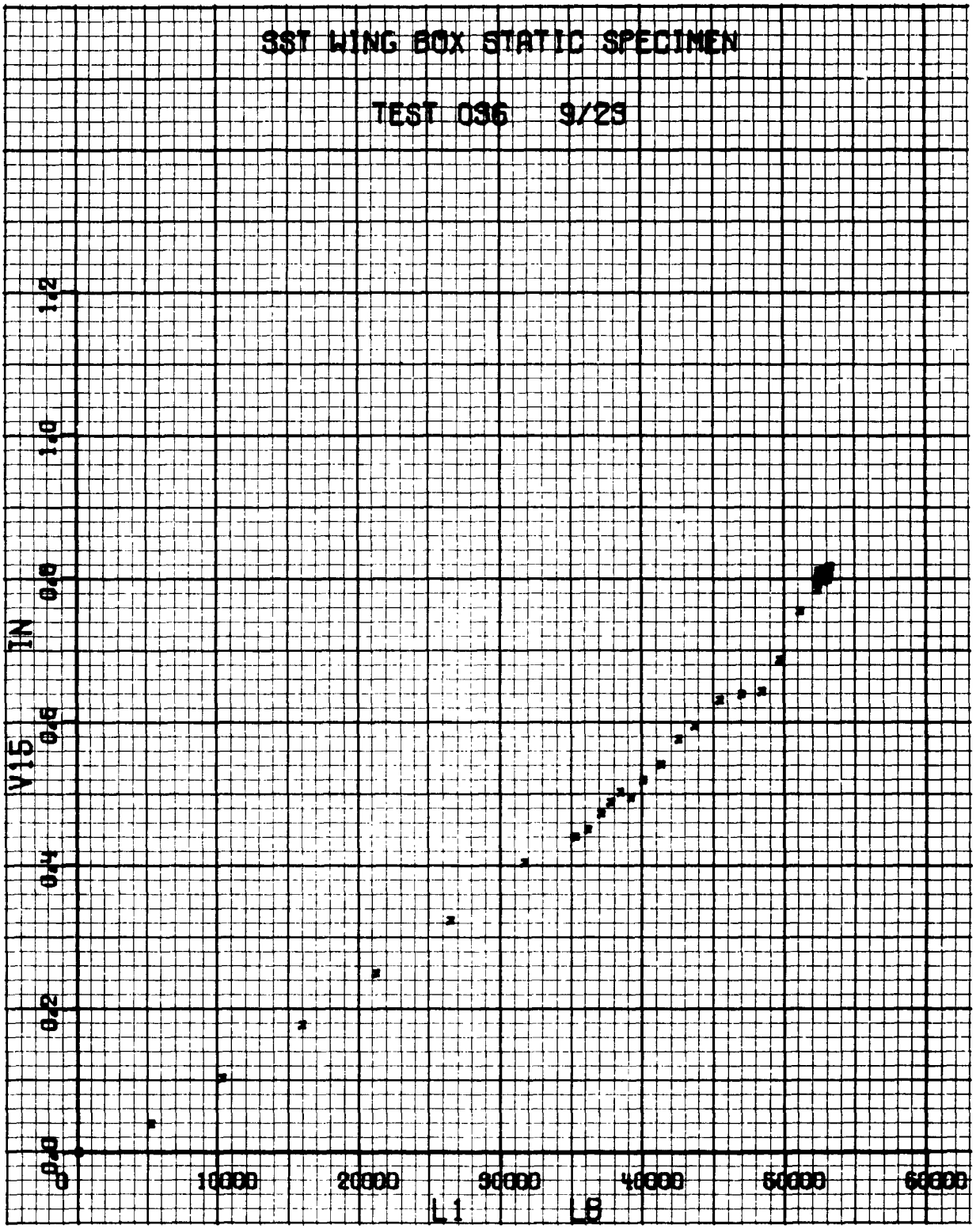

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
1.2
1.0
0.8
0.6
0.4
0.2
0.0
IN
V9
0
10000
20000
30000
40000
50000
60000
L1
LB

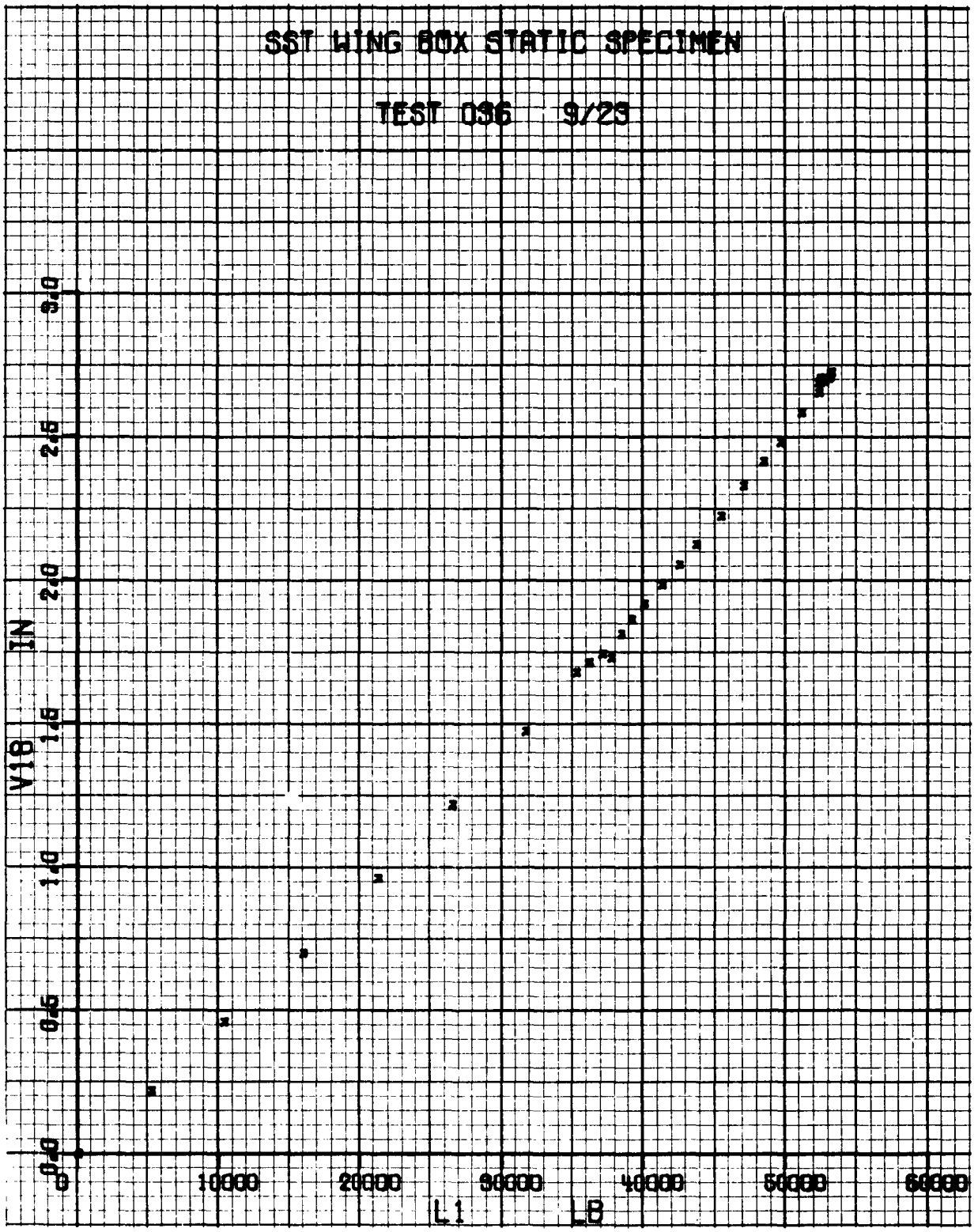

SST WING BOX STATIC SPECIMEN
TEST 036 9/29
V17 IN
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
0
10000
20000
30000
40000
50000
60000
L1
L8

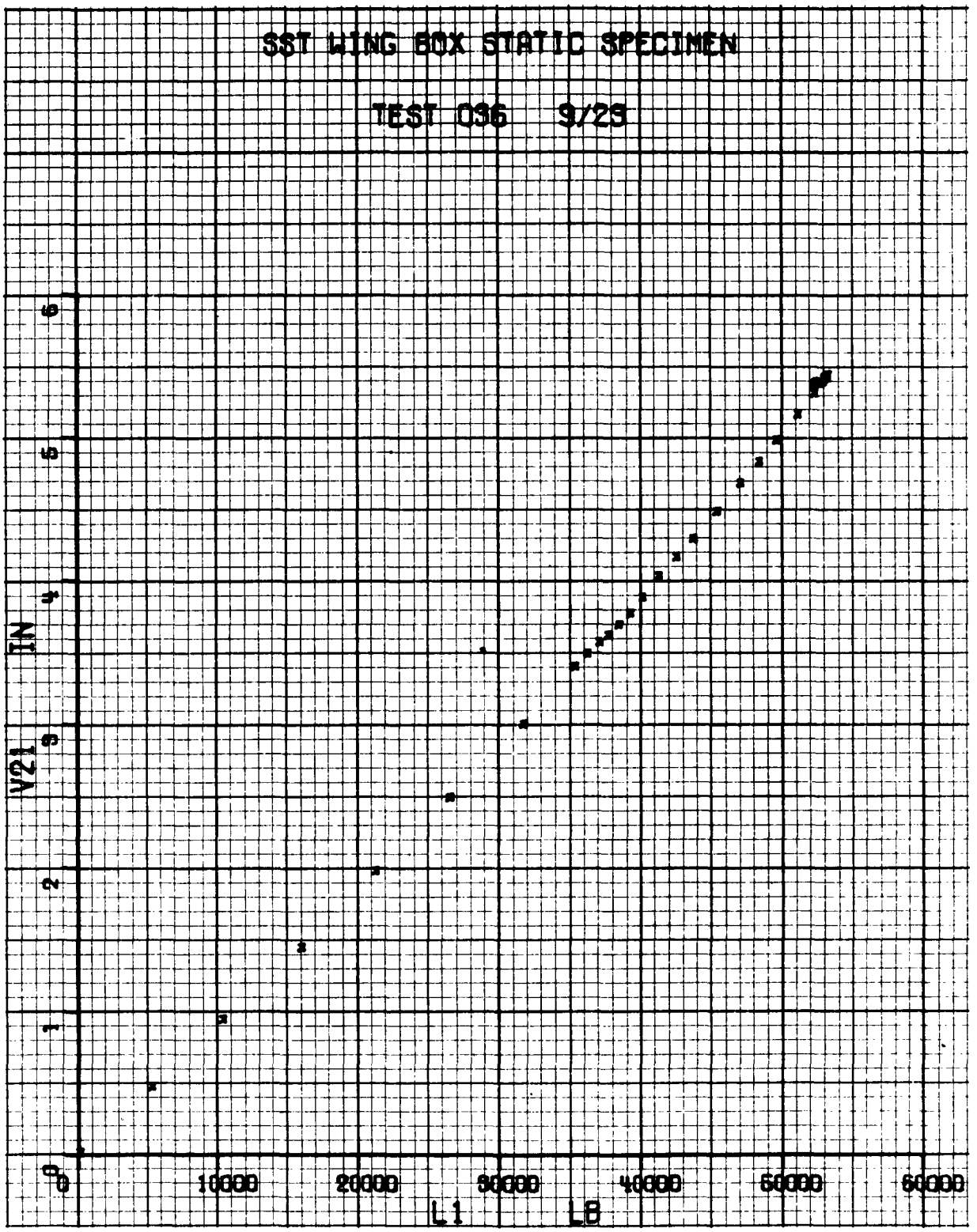

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V20
IN
0
1
2
3
4
5
6
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V23 IN
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0
10000
20000
30000
40000
50000
60000
L1
LB


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V2 IN
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
10000
20000
30000
40000
50000
60000
L1
LB


3ST WING BOX STATIC SPECIMEN
TEST 036 9/23
V15 TN
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V18 IN
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
10000
20000
30000
40000
50000
60000
L1
L8


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V21
TN
0
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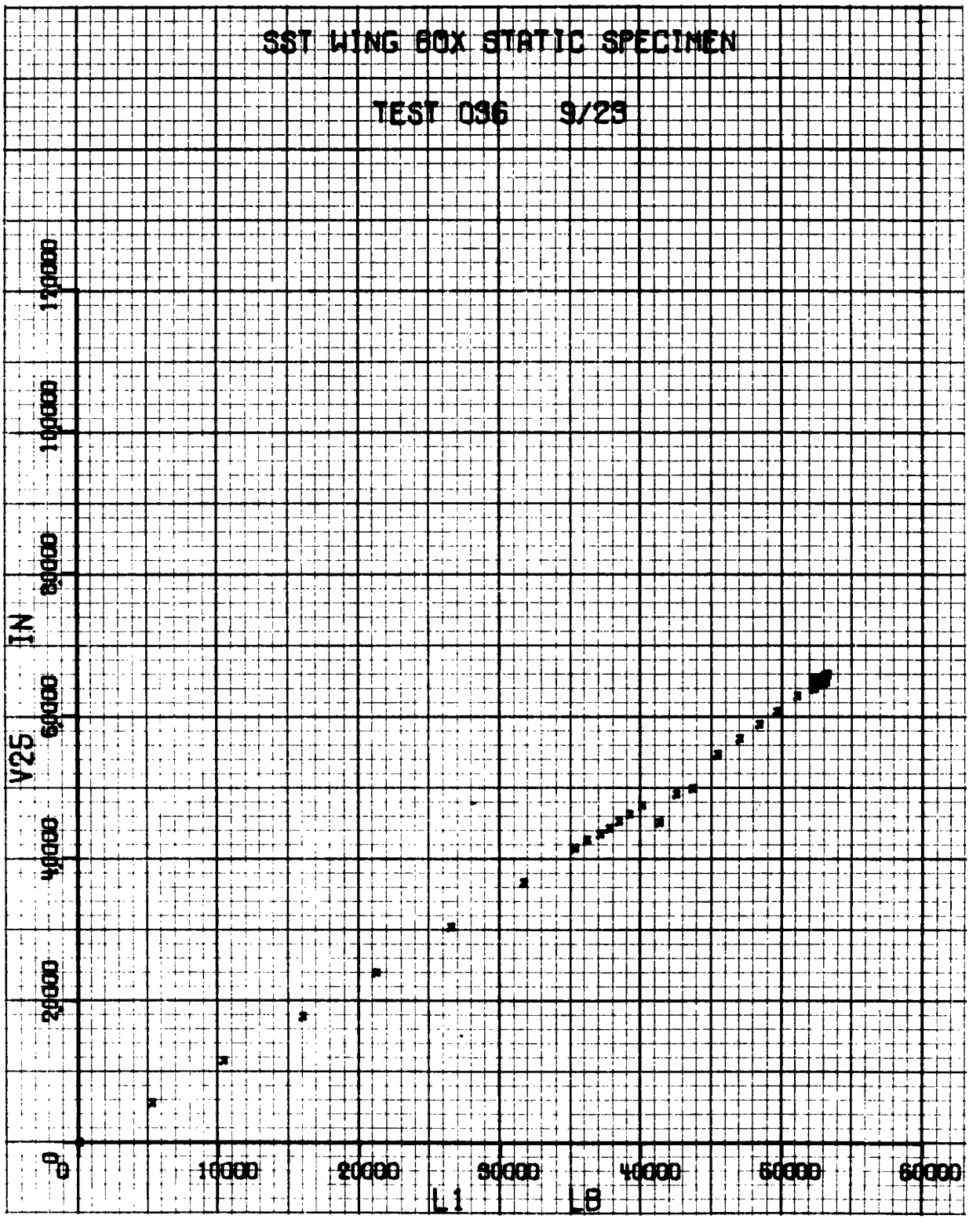
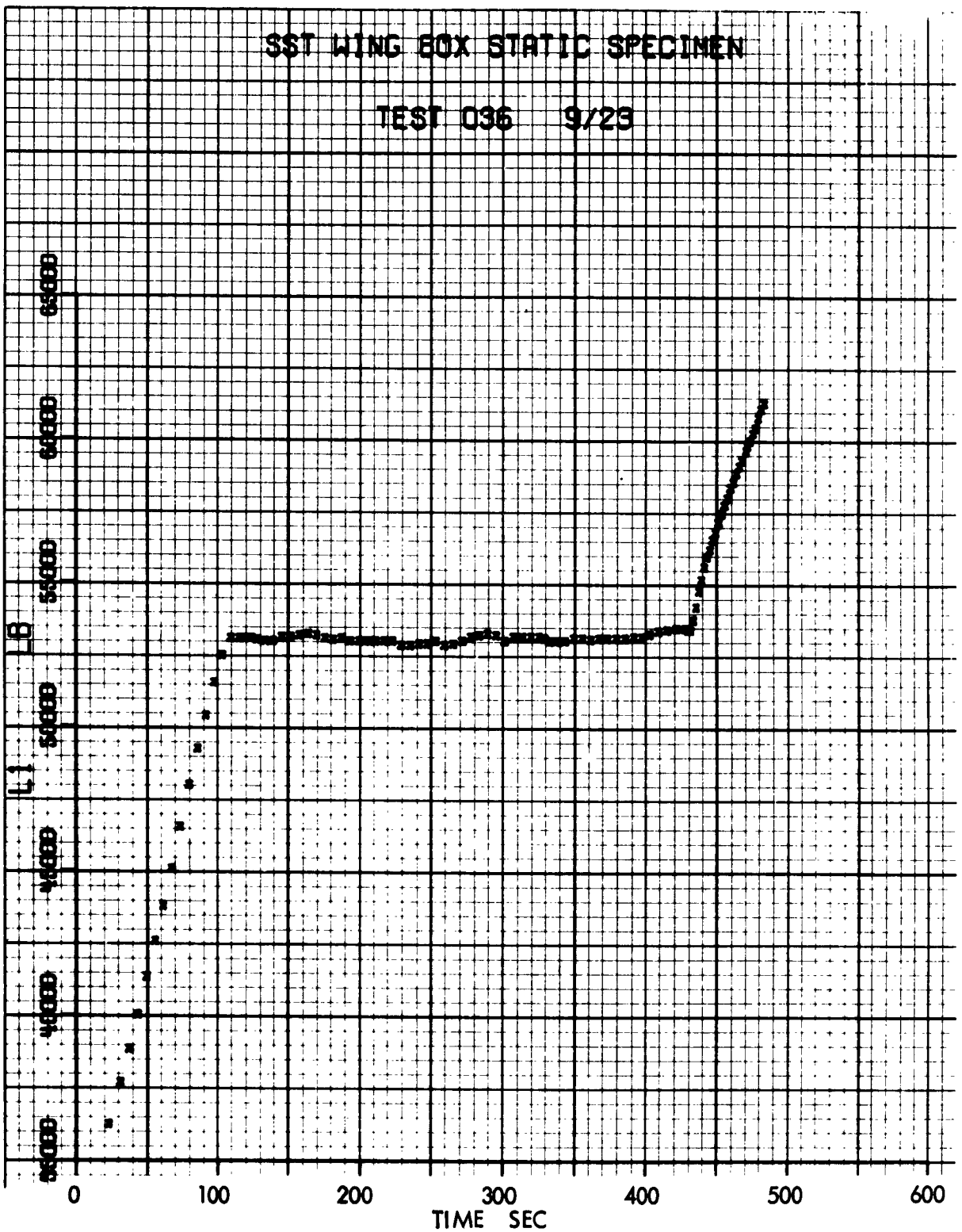
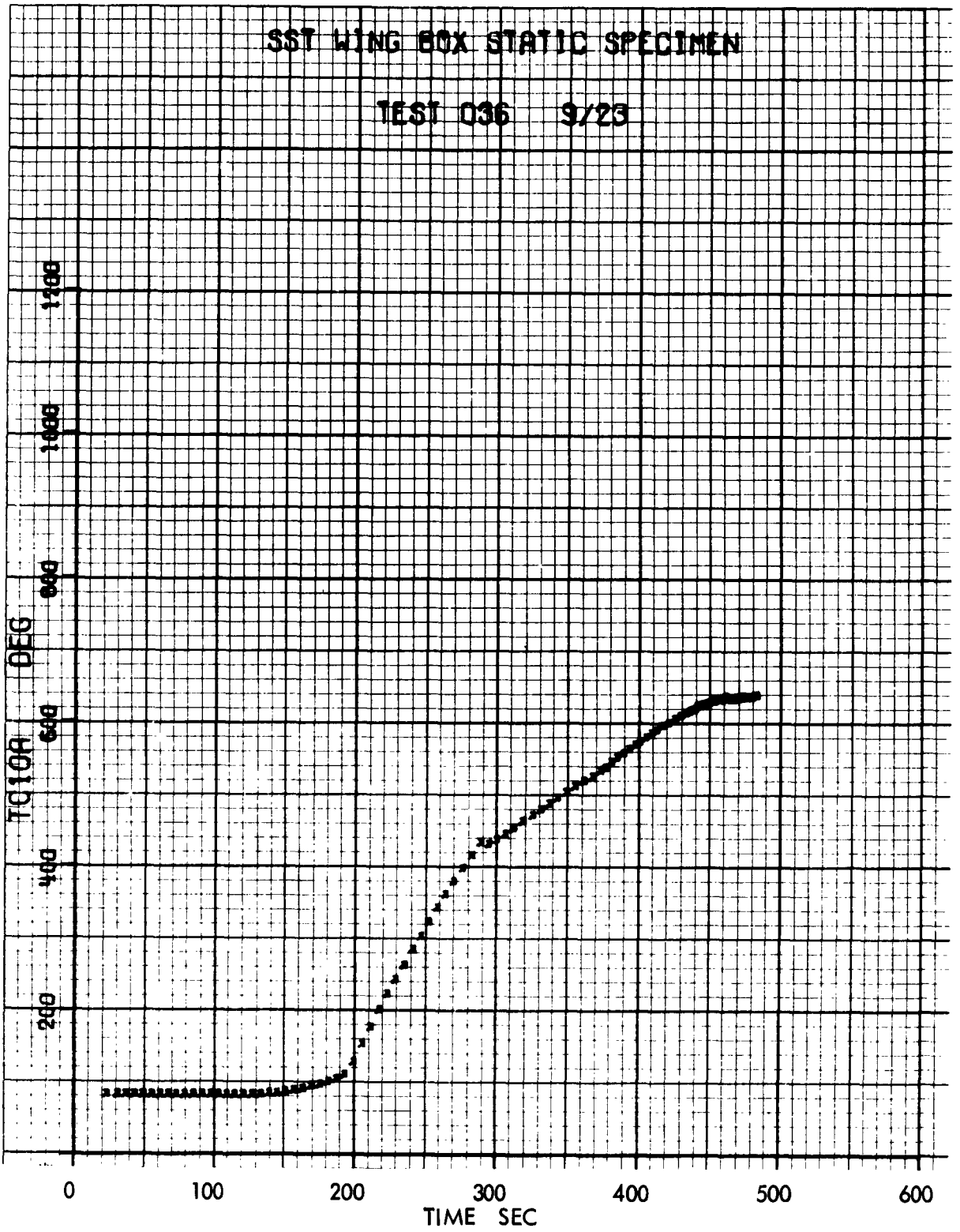
2
3
4
5
6
0
10000
20000
30000
40000
50000
60000
L1
L8

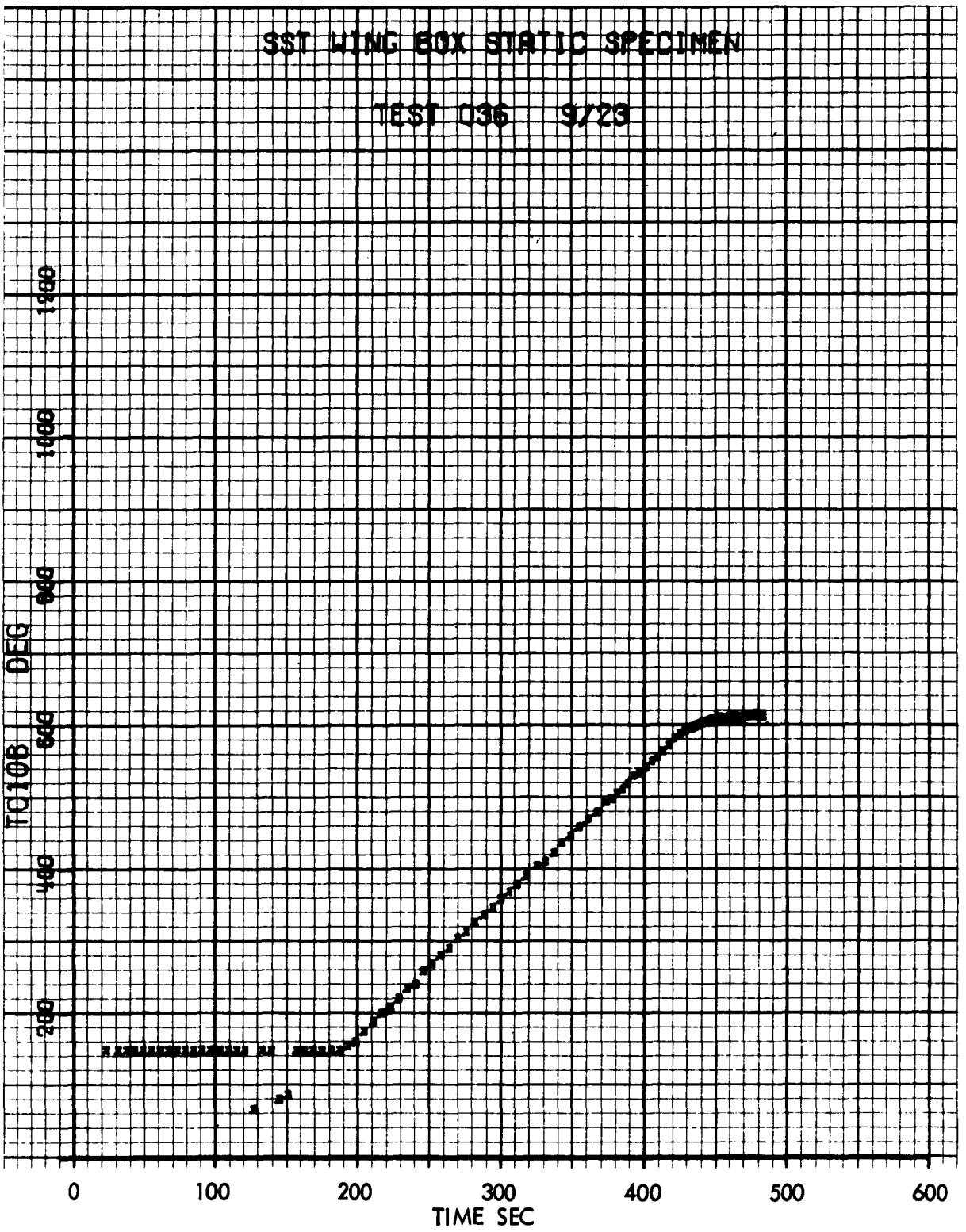

SST WING BOX STATIC SPECIMEN
TEST 036 9/23
V25 IN
0
20000
40000
60000
80000
100000
120000
0
10000
20000
30000
40000
50000
60000
L1
L8

TEST No. 36

Jack Location	**W.S.** 189 ; **F.S.** 60
Jack Load, lb	53,000 - 6[illegible],000
Percent of Limit	150 - 174
Fuel Condition	**Tanks** EMPTY
Tank Pressure, psi	0
Maximum Surface Temperature, °F	650


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
LB
L1
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC10A DEG
200
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC10B DEG
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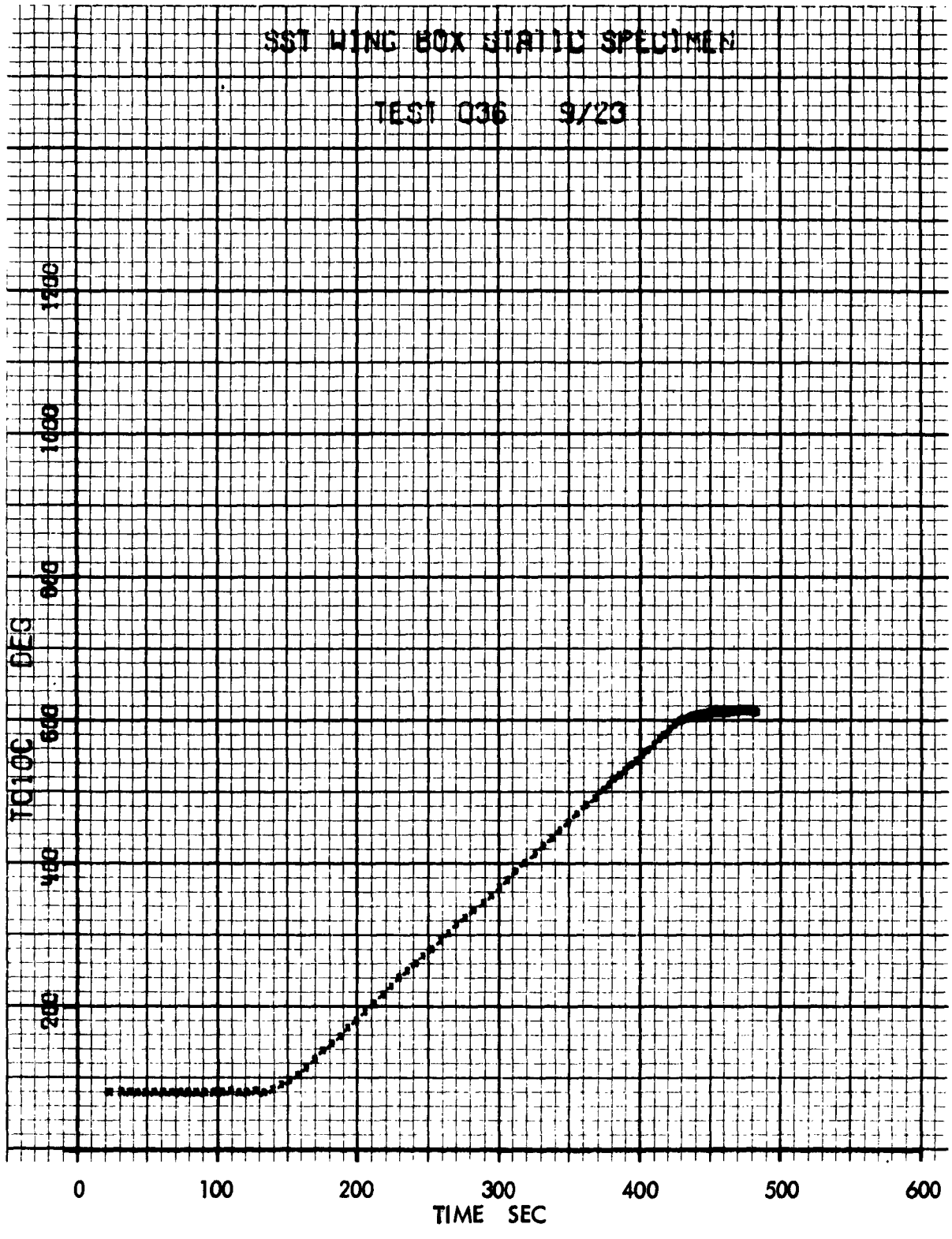
1000
800
600
400
200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC10C DEG
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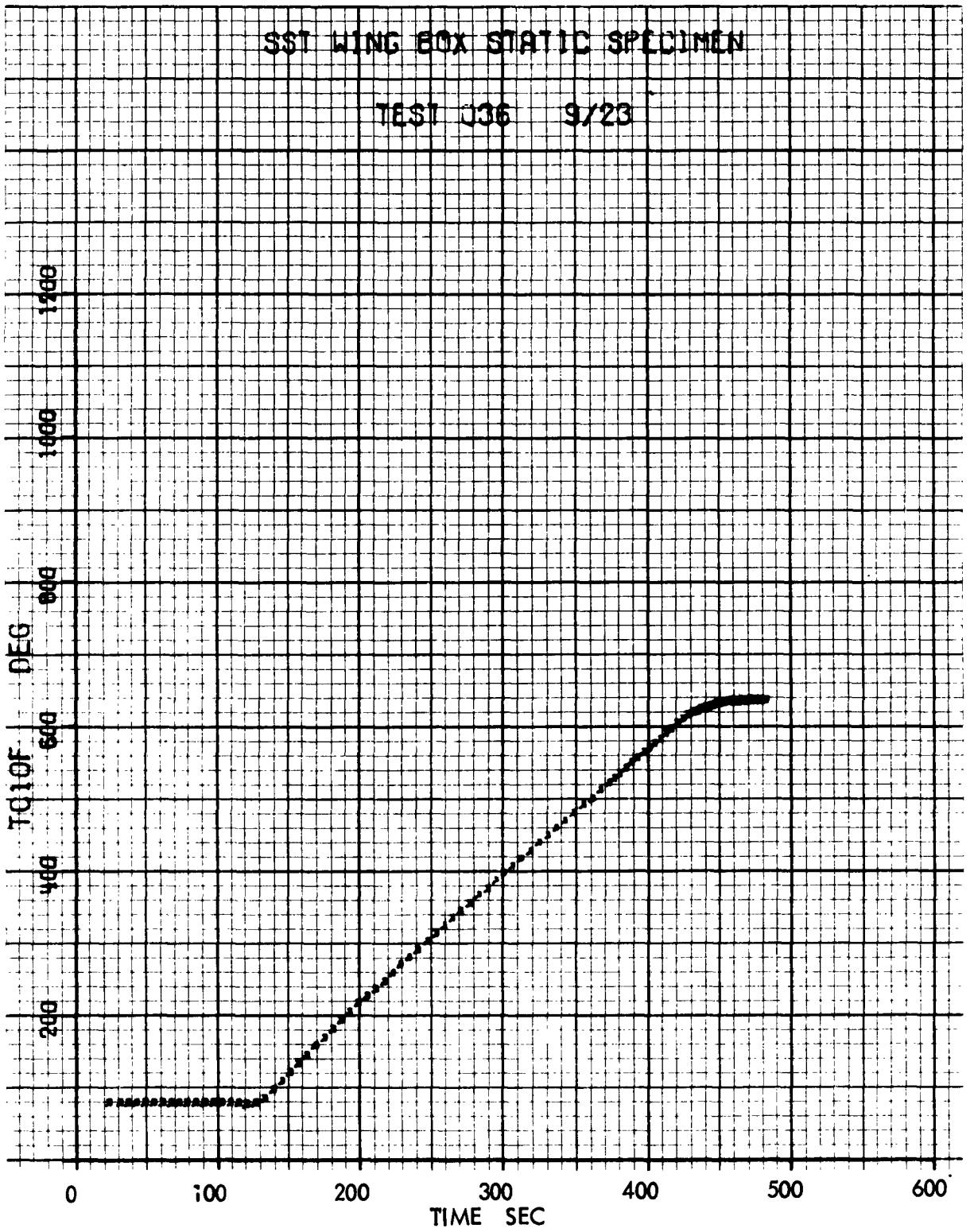
1000
800
600
400
200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TQ10F DEG
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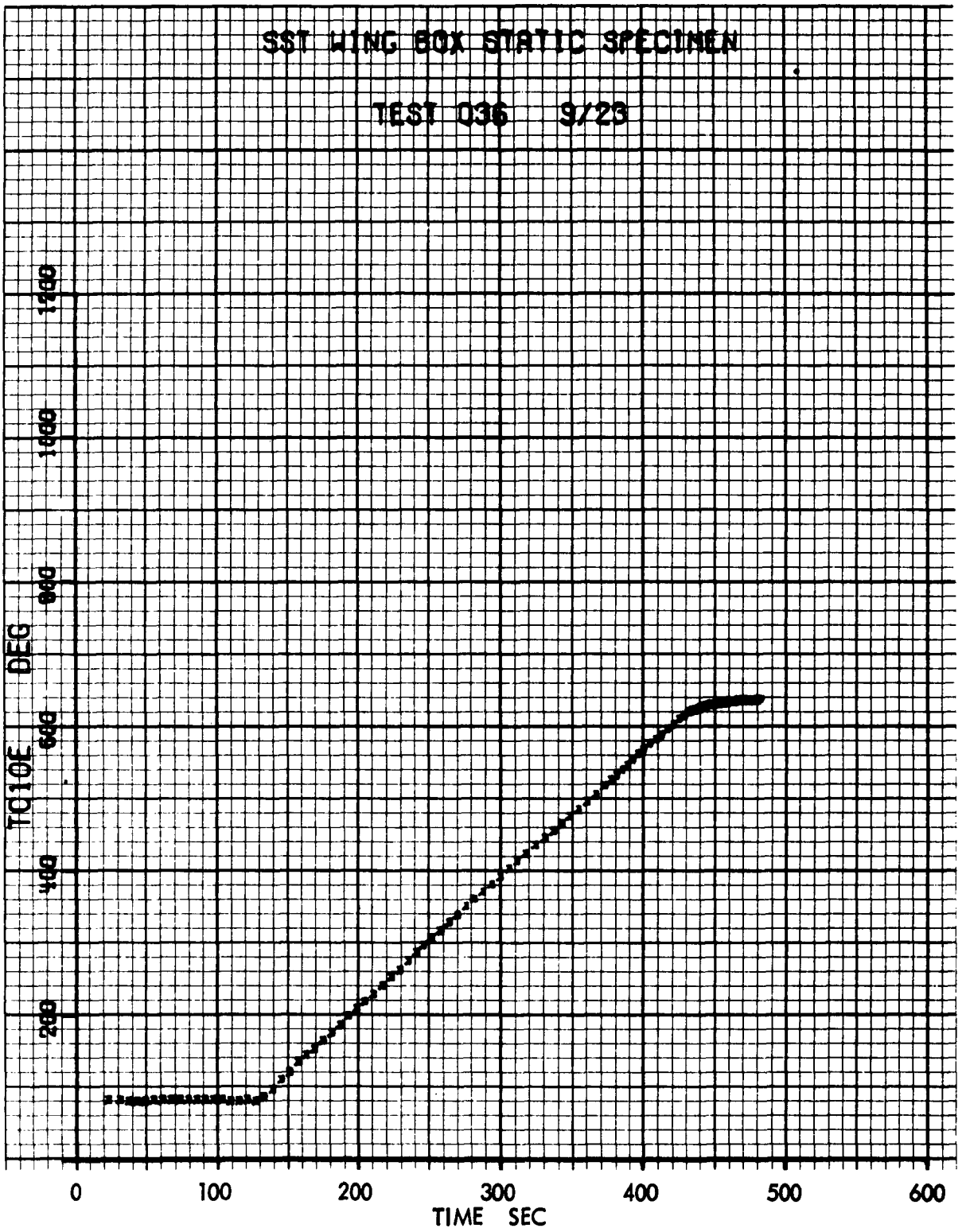
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TQ10E DEG
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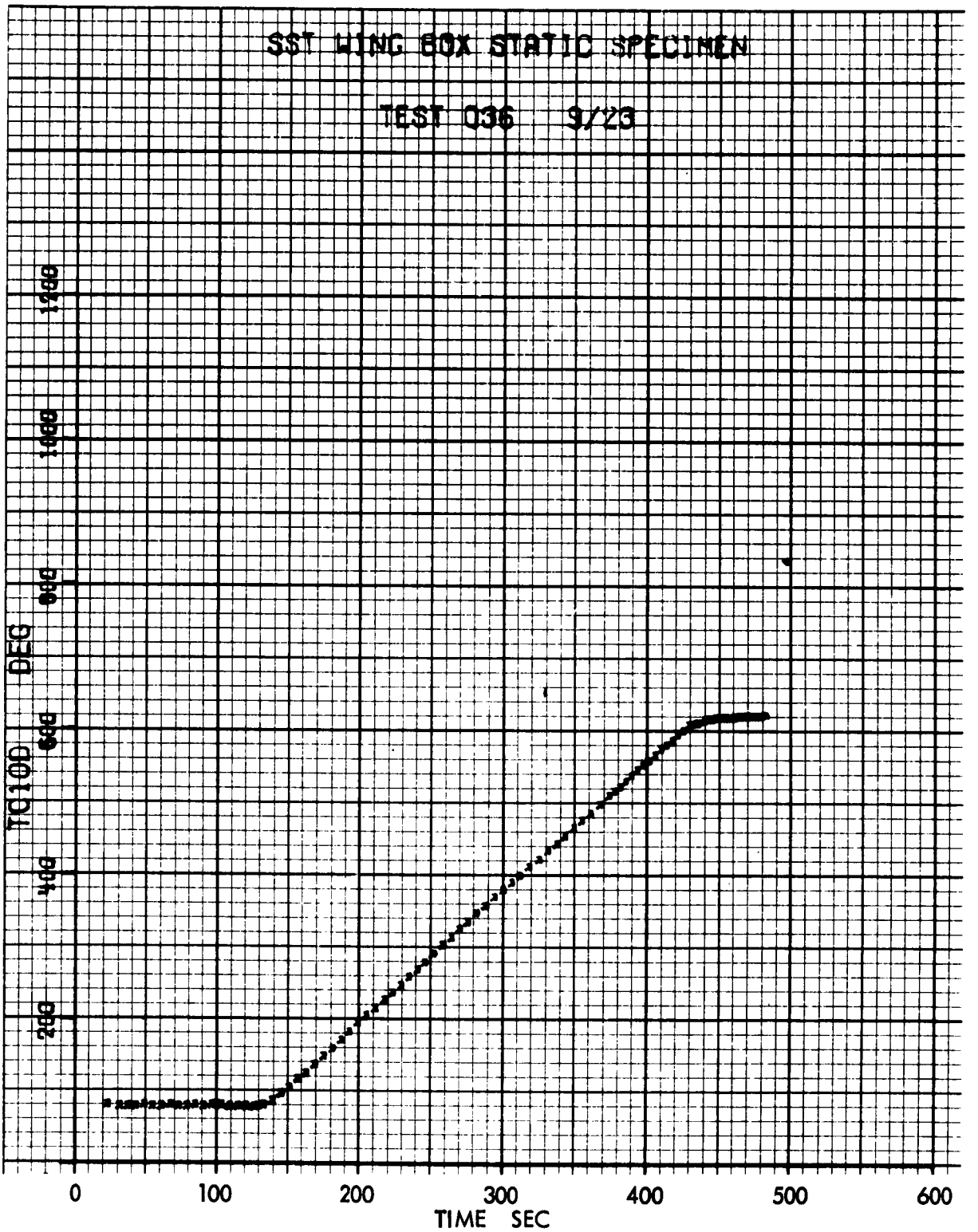
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC10D DEG
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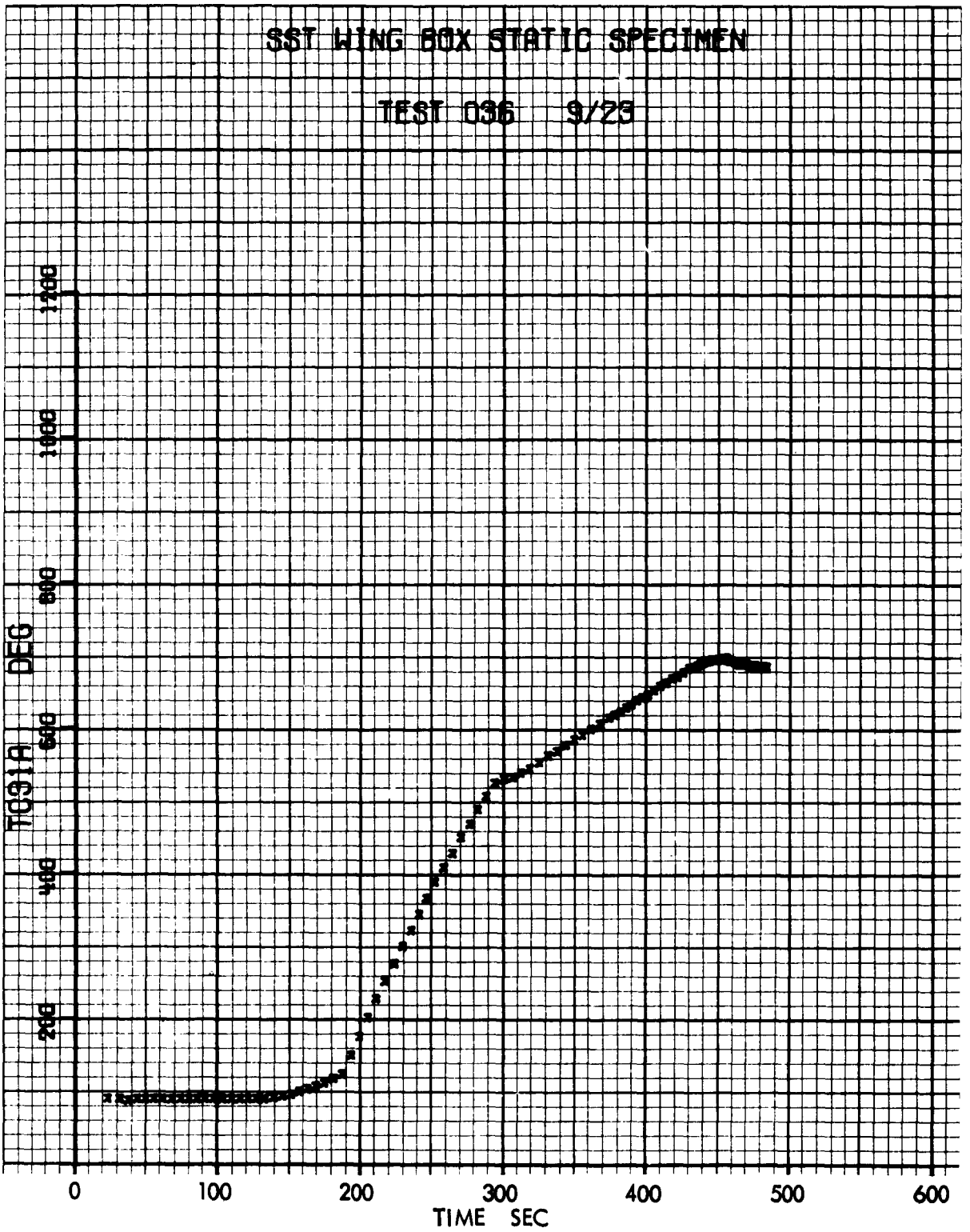
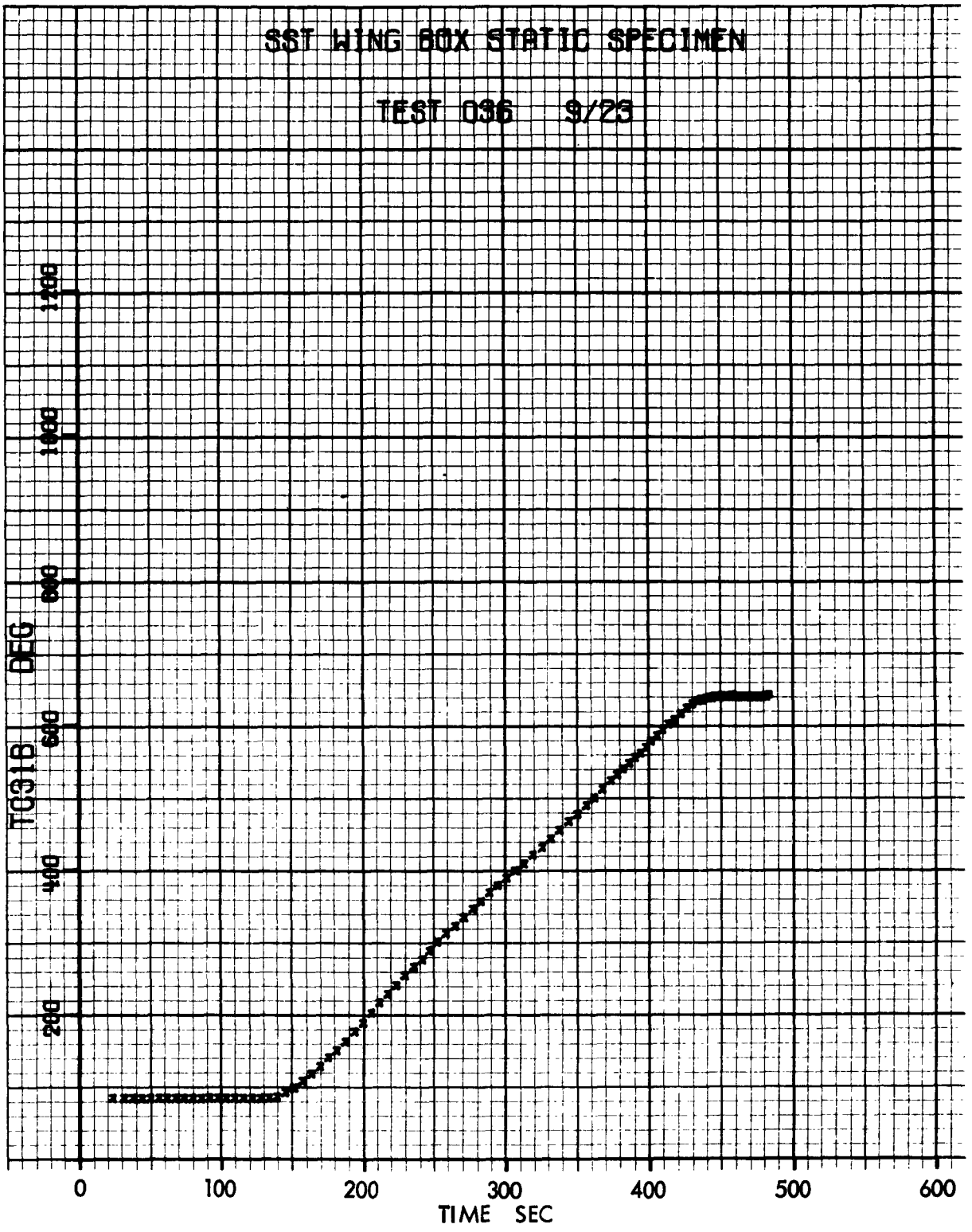
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC31A DEG
200
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC31B DEG
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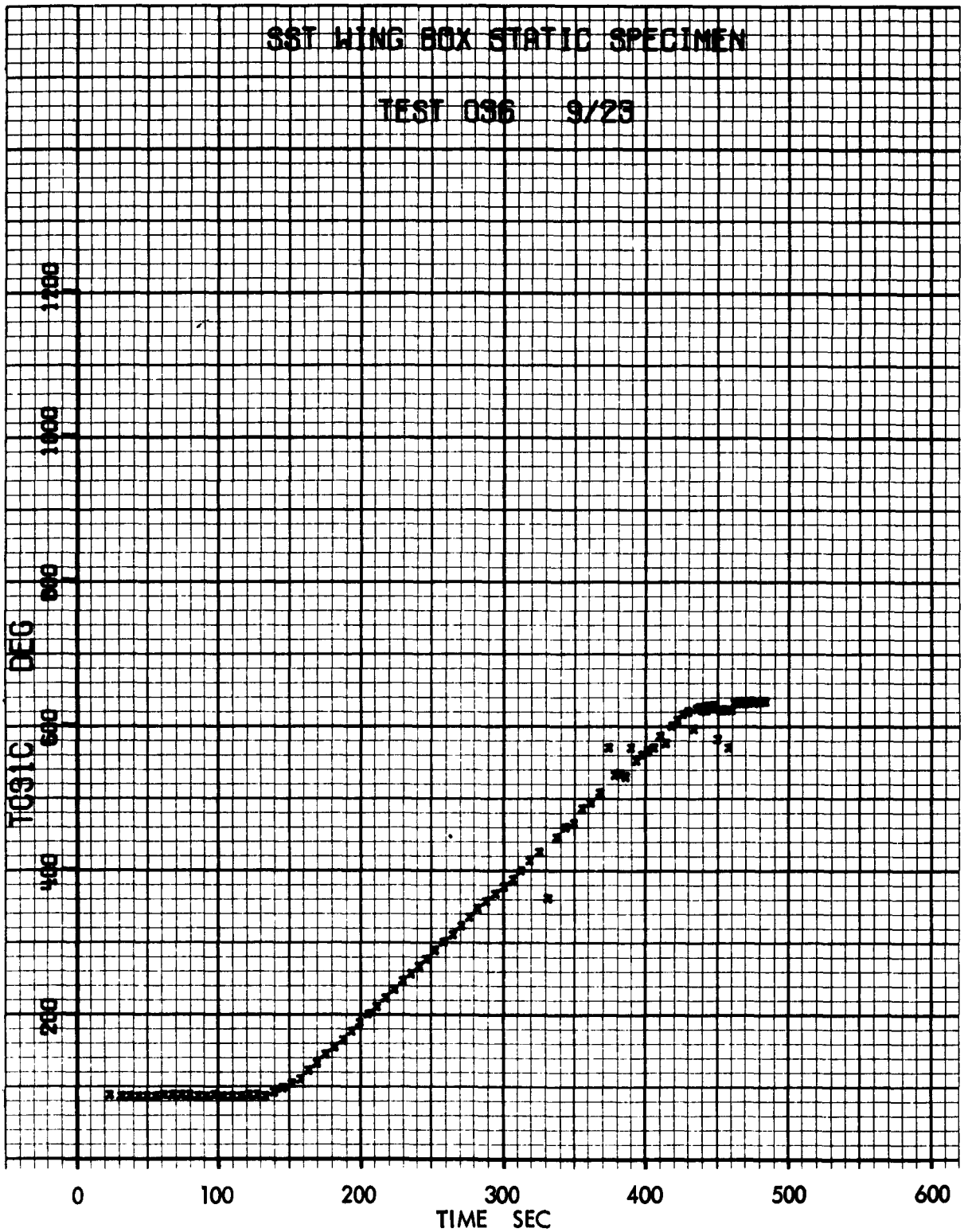
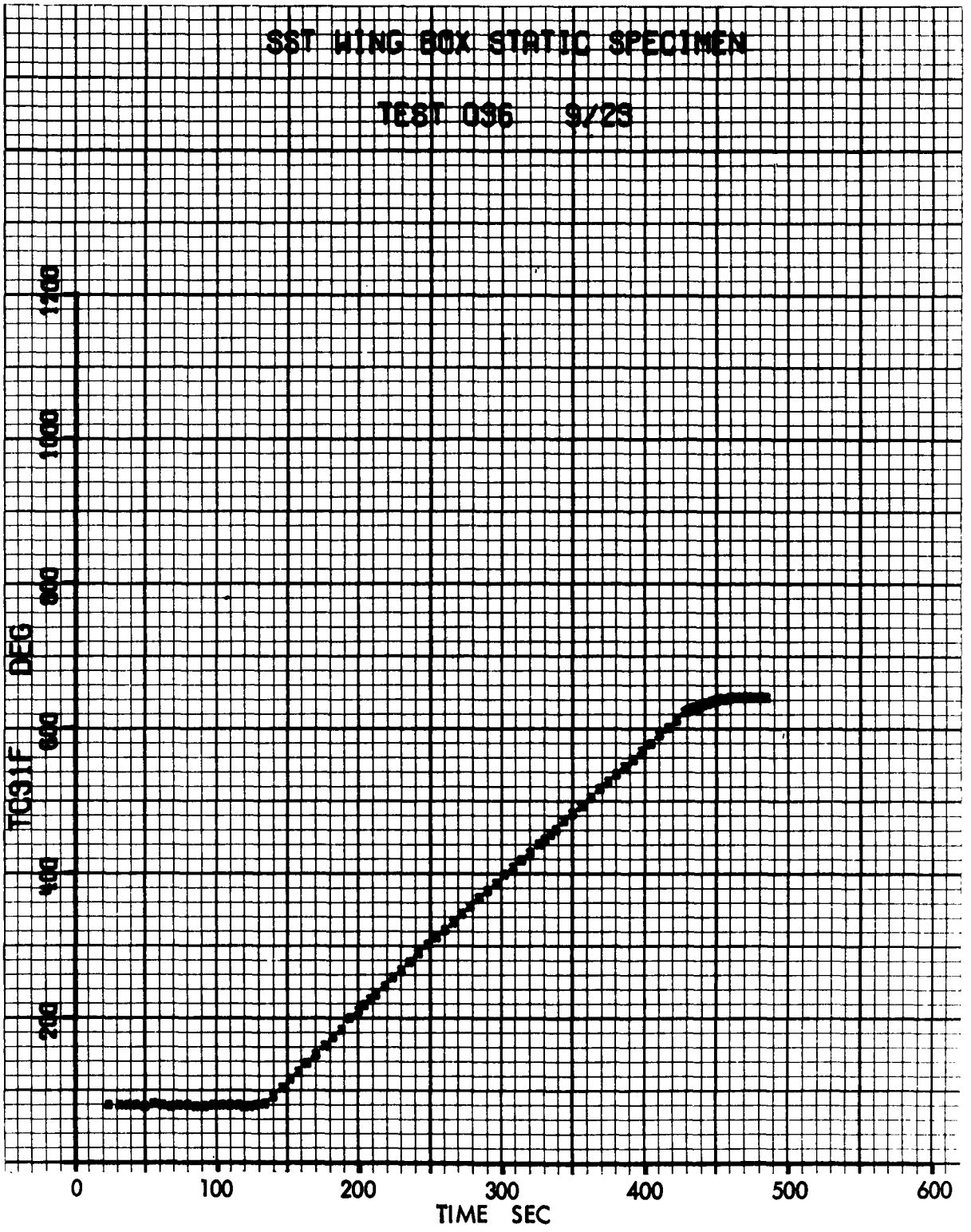
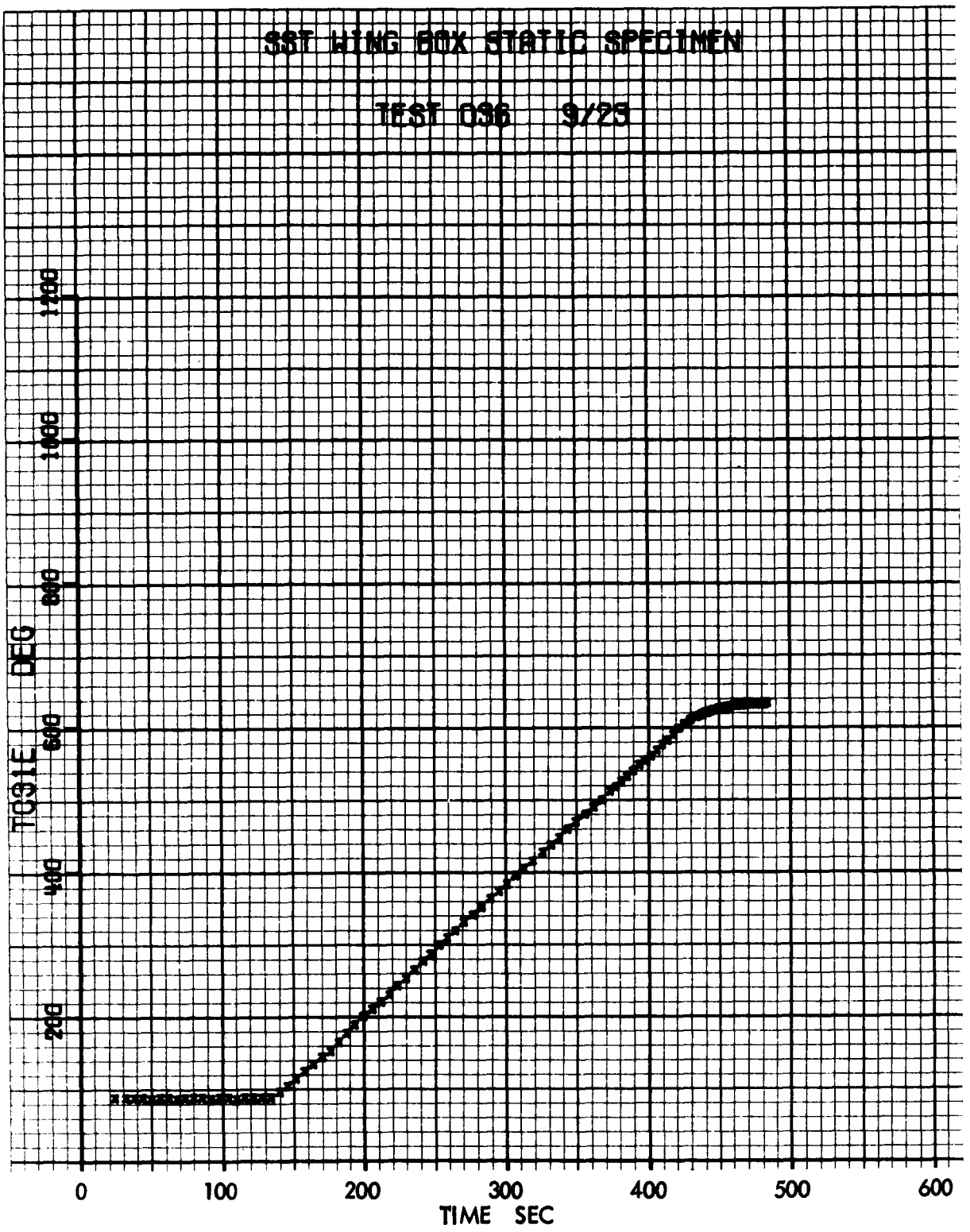
1000
800
600
400
200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC31C DEG
1100
1000
800
600
400
200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TG31F DEG
200
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC31E DEG
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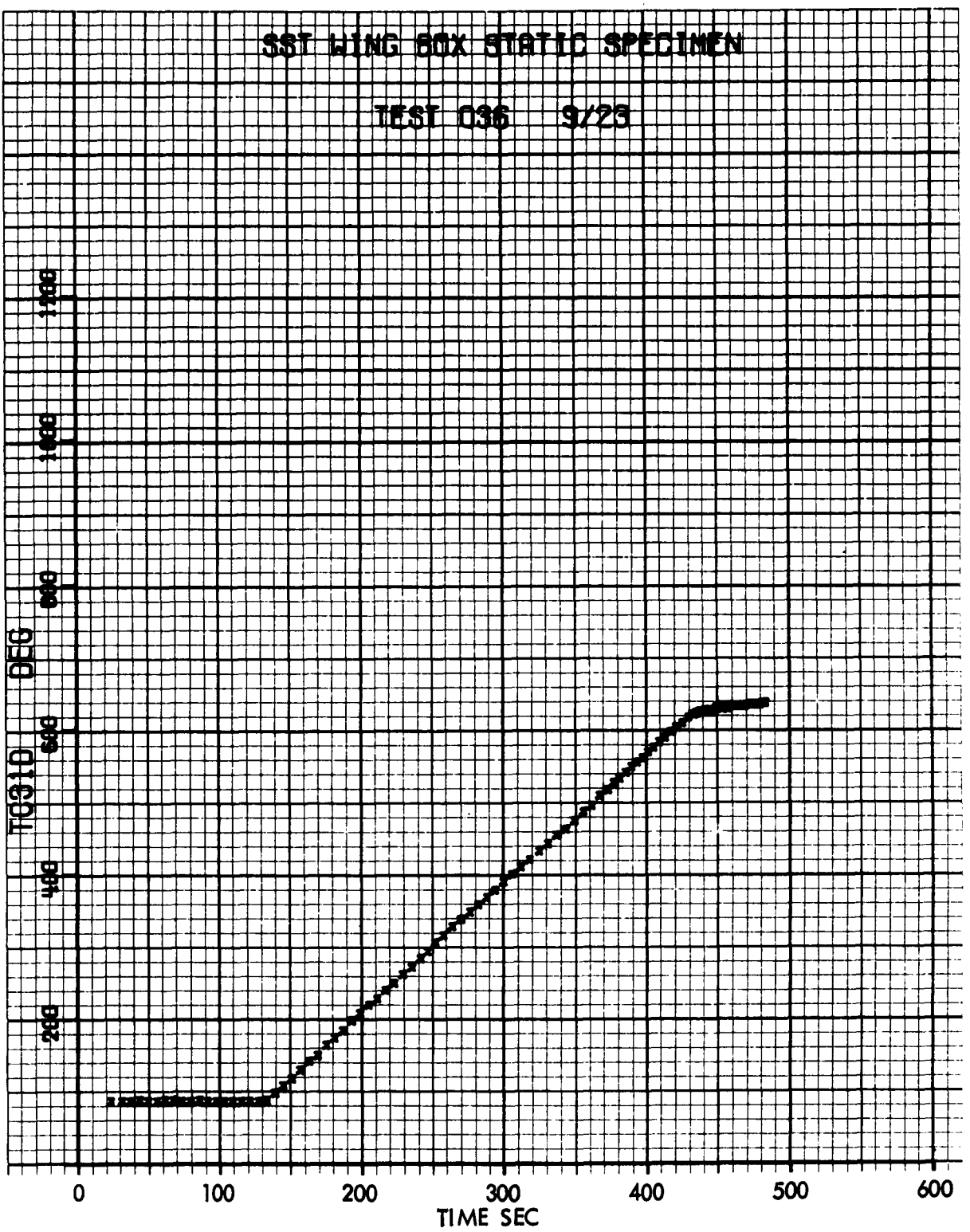
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC310 DEG
200
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600
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0
100
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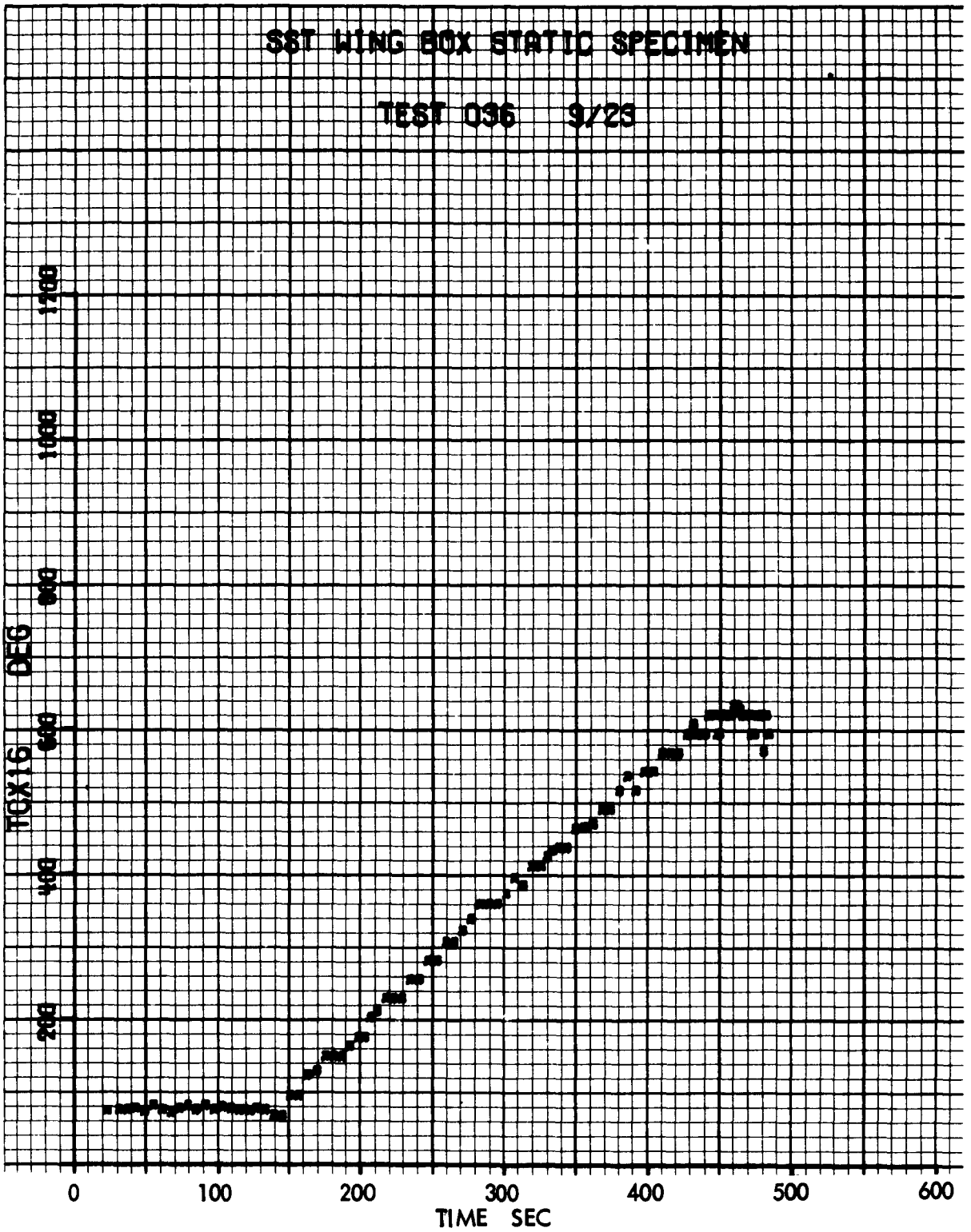
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TCX16 DEG
1200
1000
800
600
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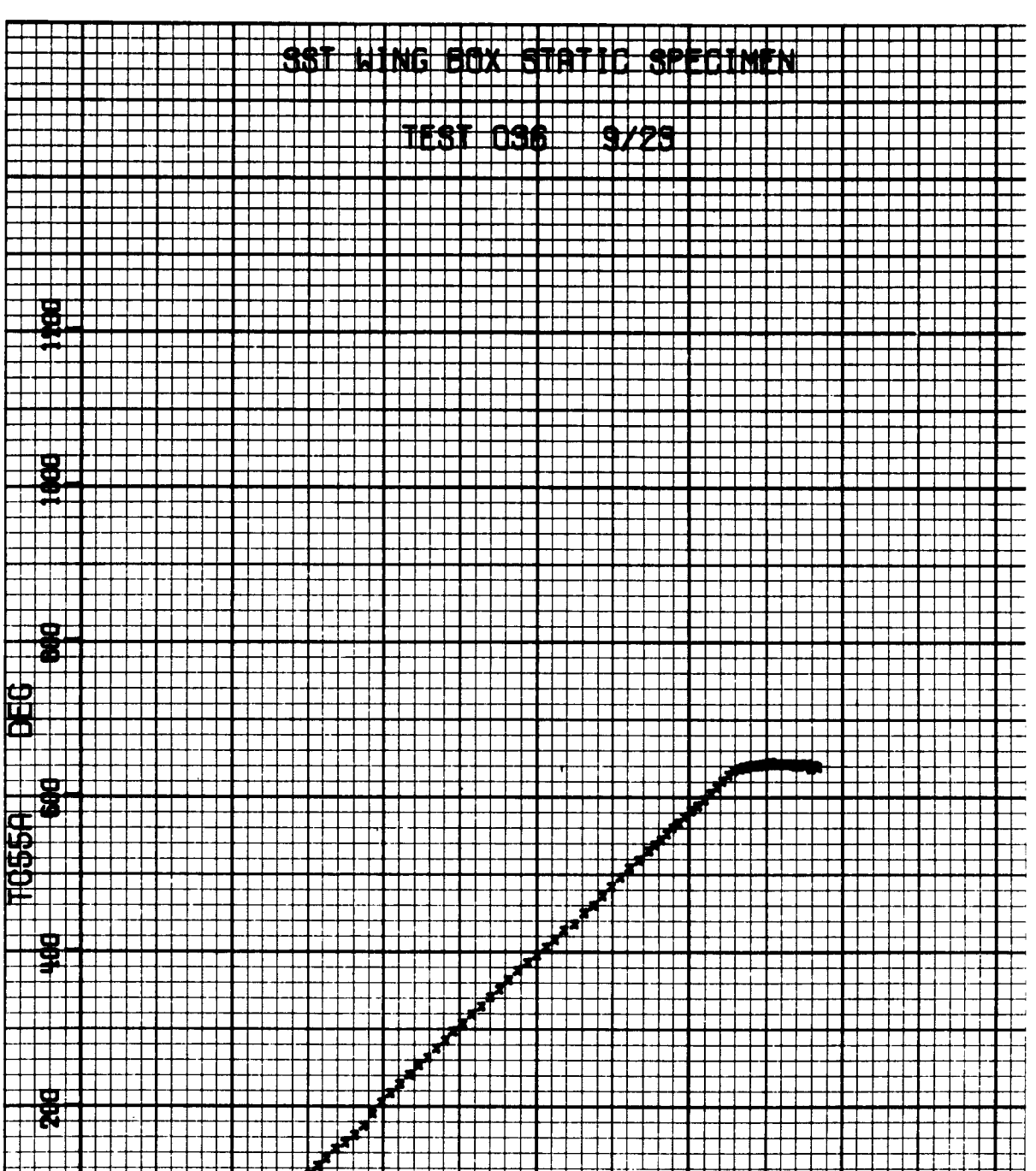
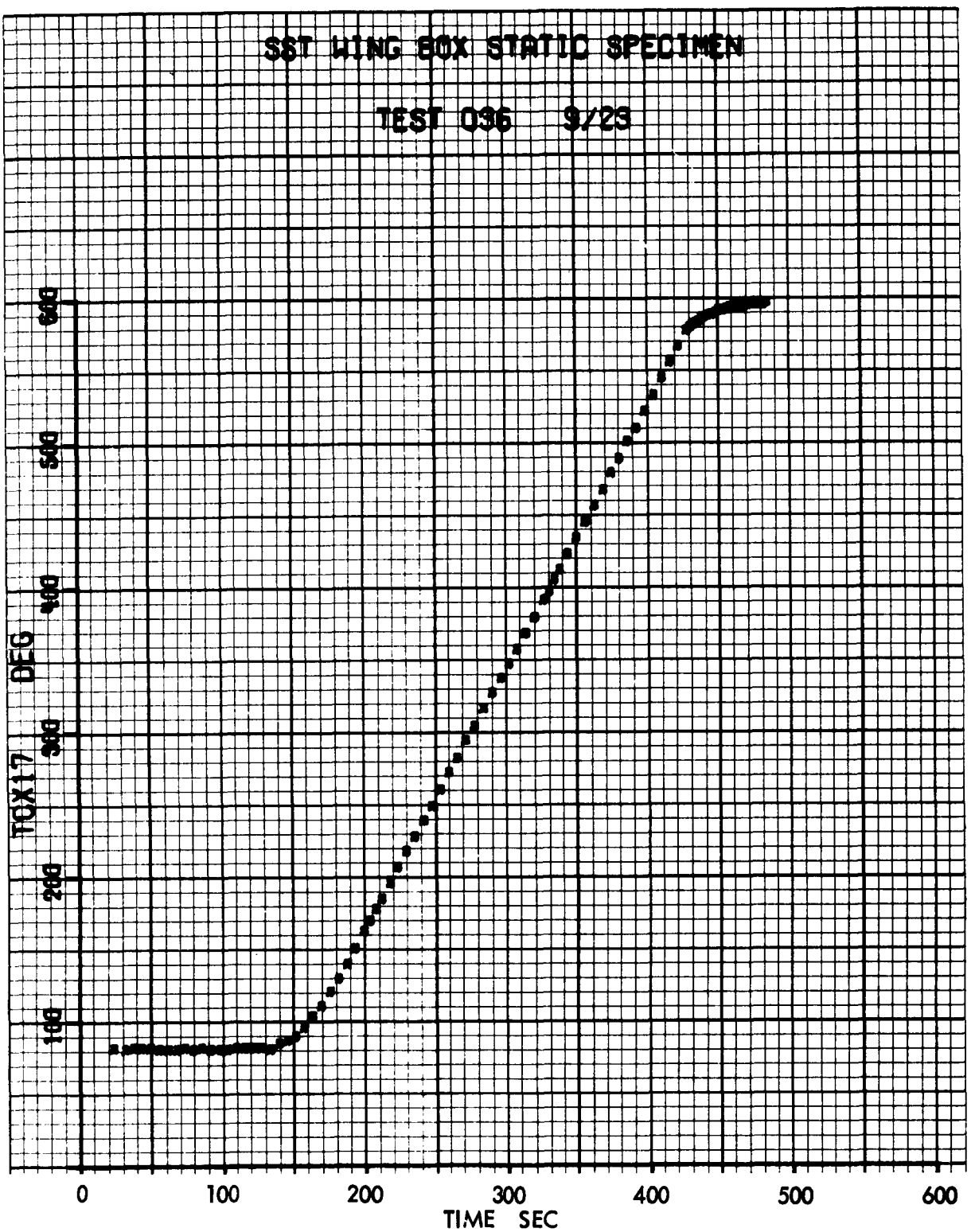
200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/29
T855A DEG
200
400
600
800
1000
1200
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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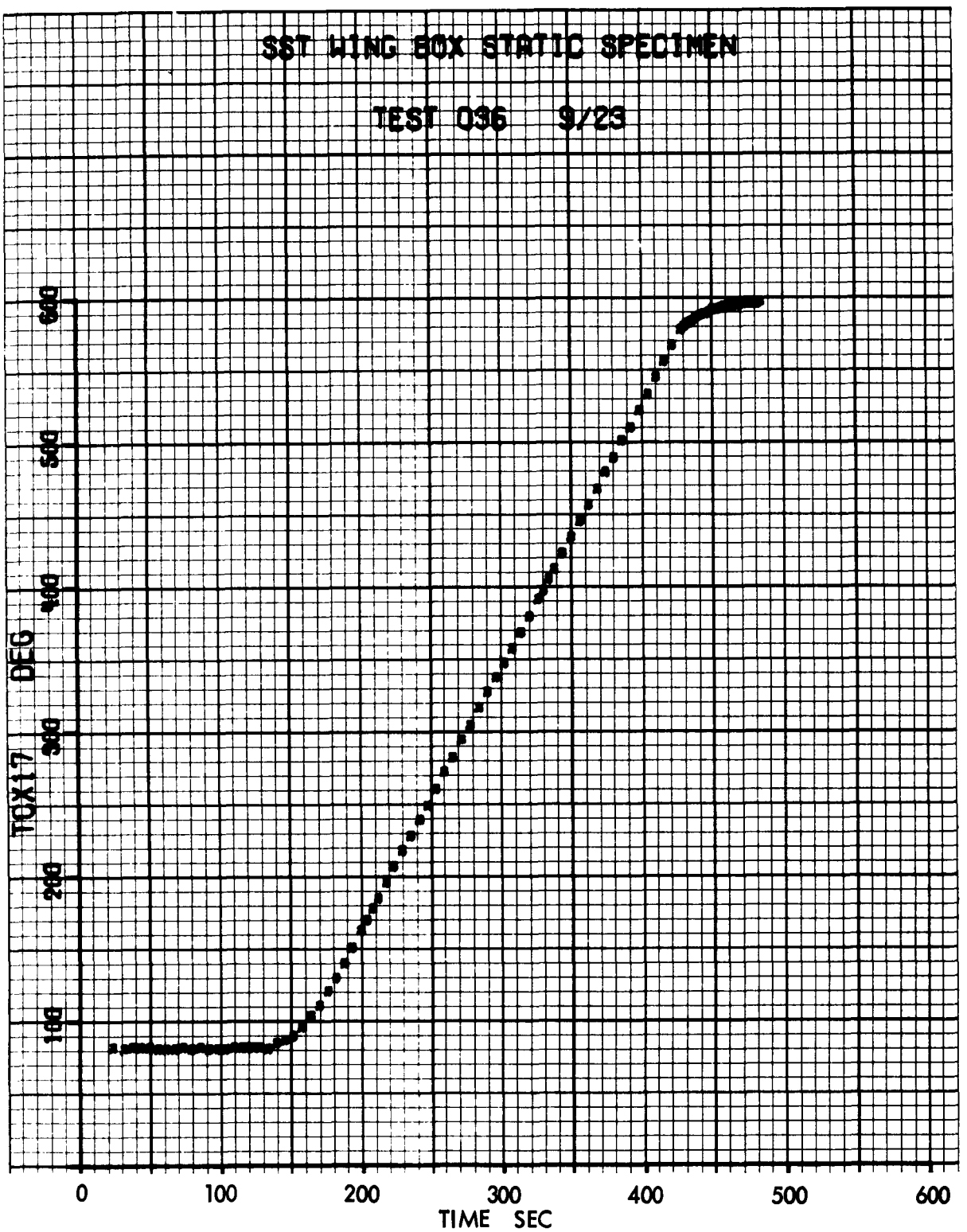
TIME SEC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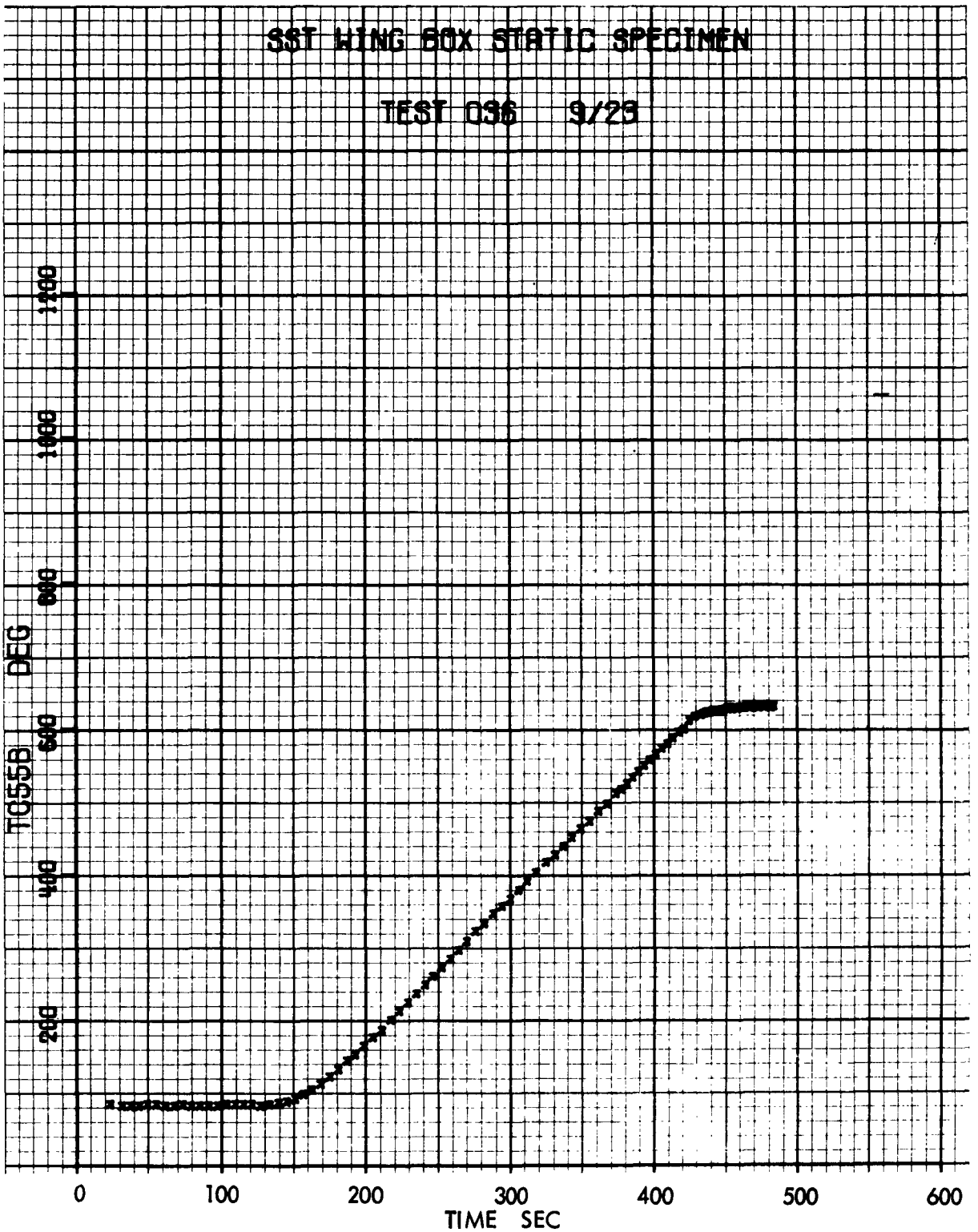
TIME SEC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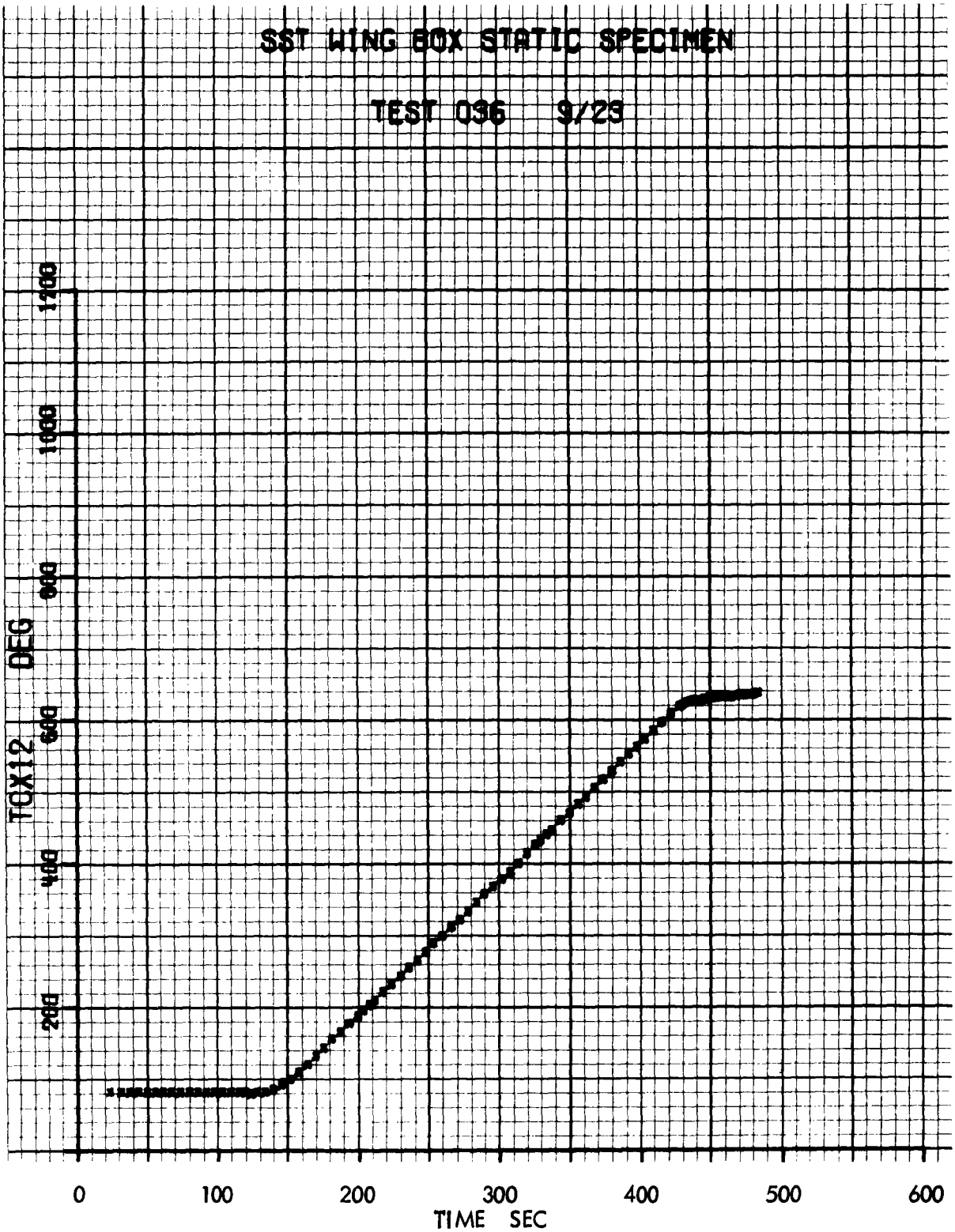
TIME SEC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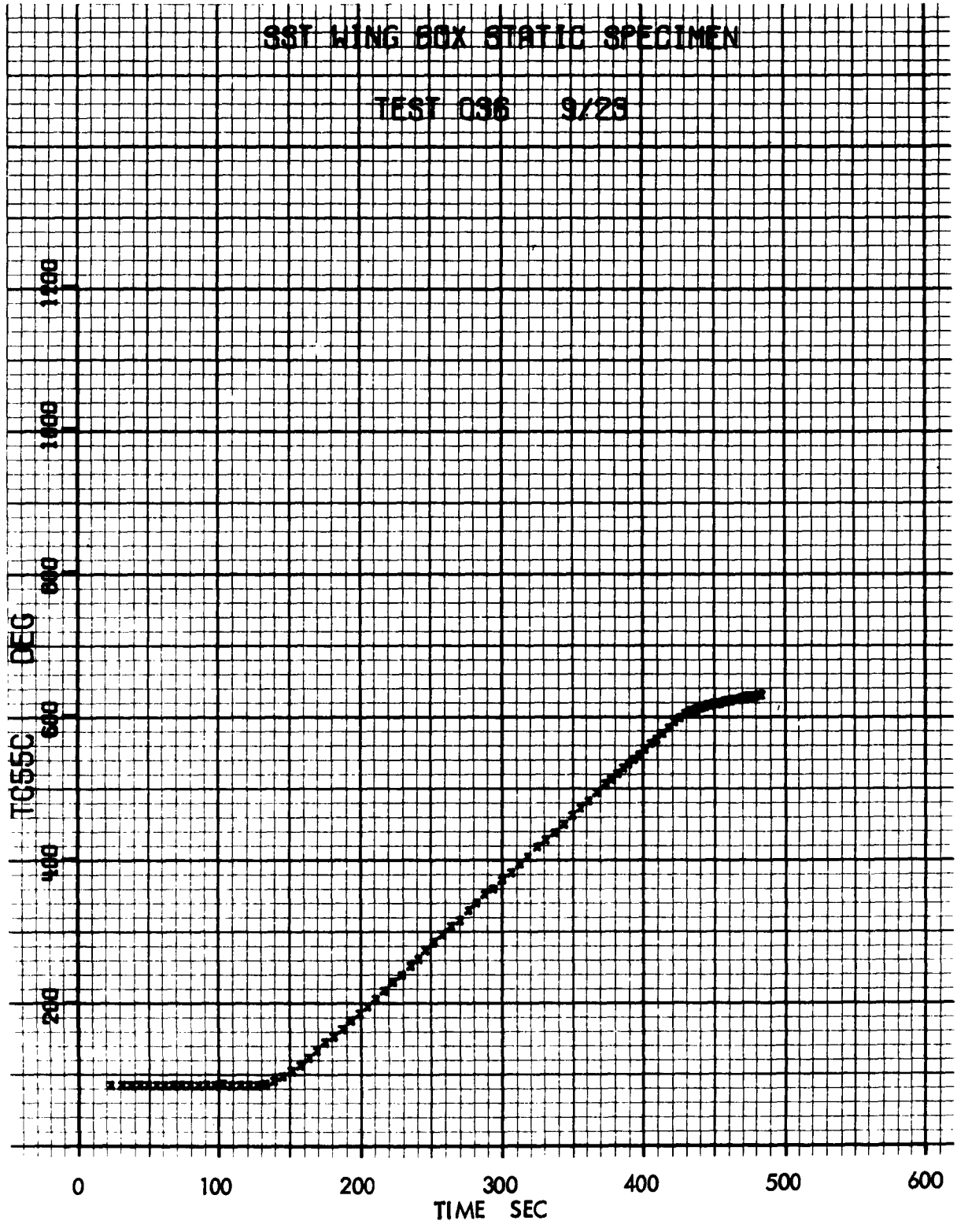
TIME SEC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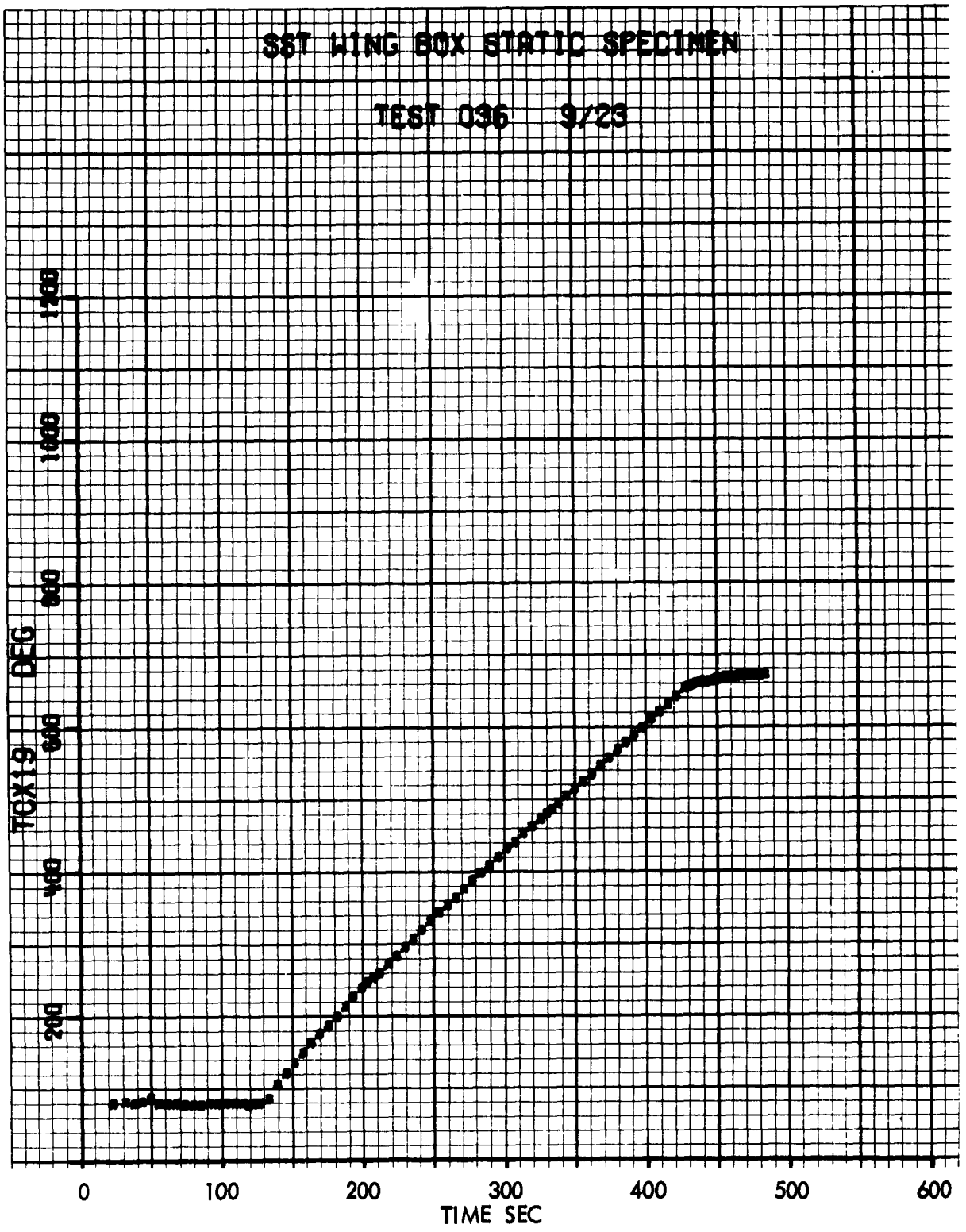
TIME SEC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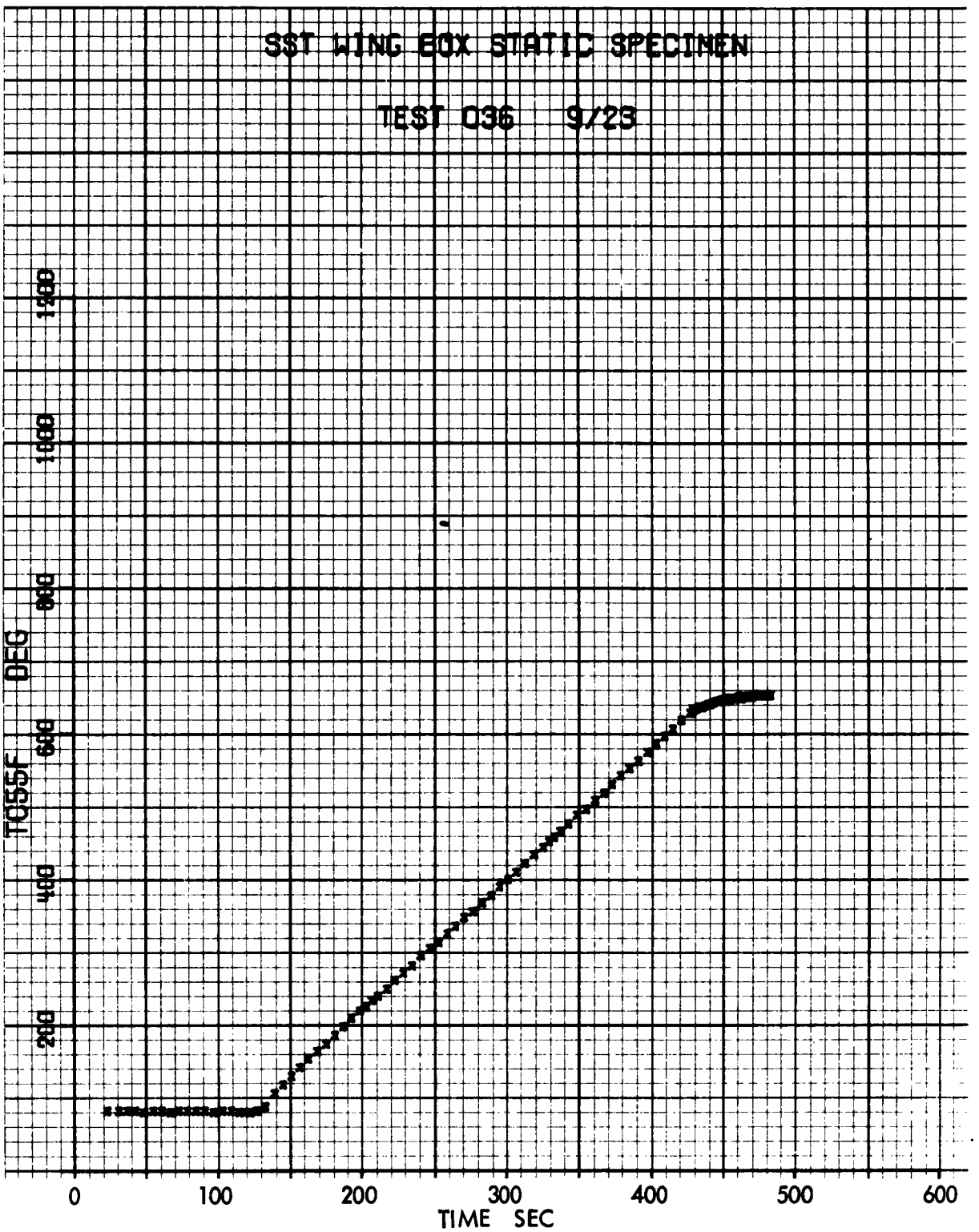
TIME SEC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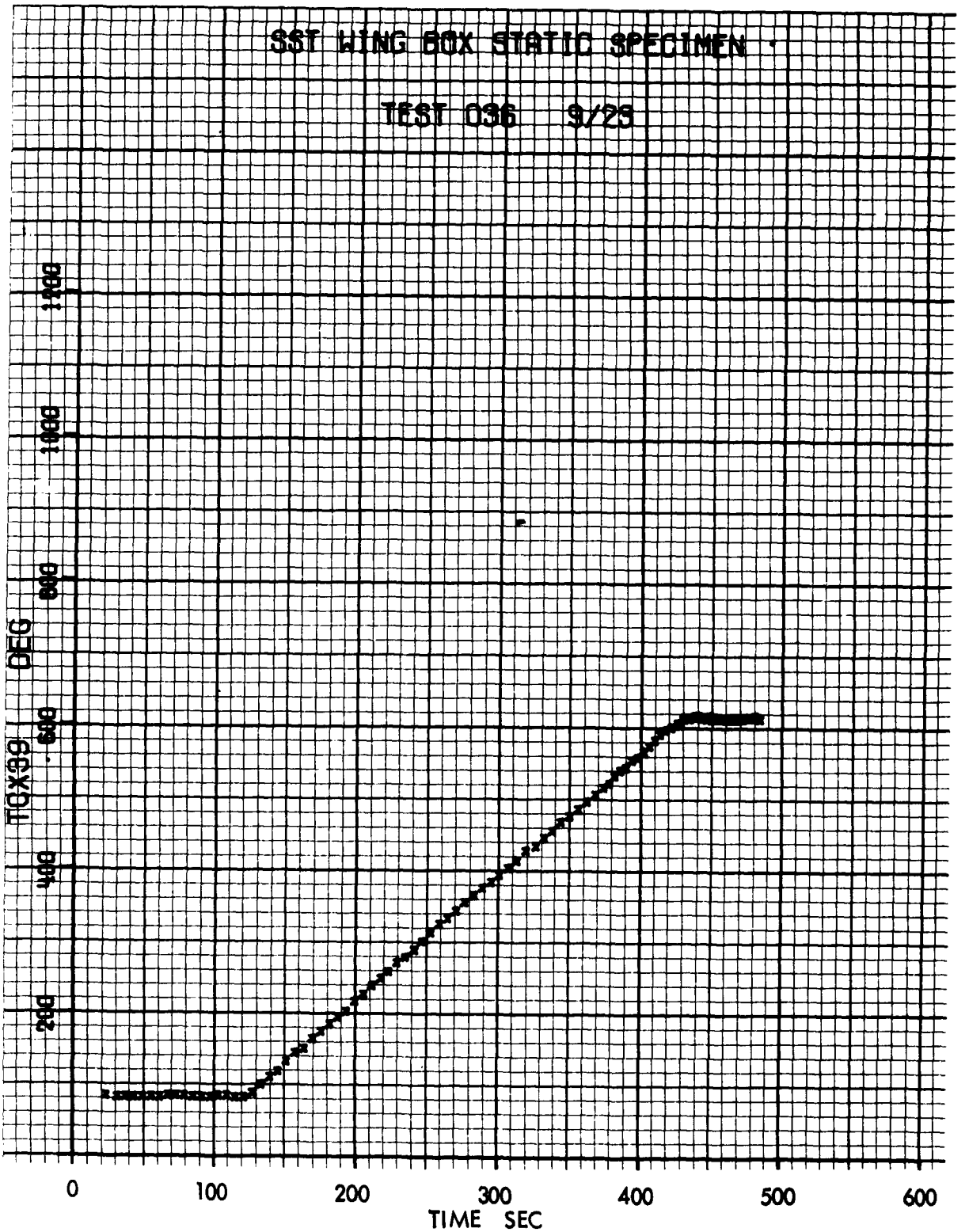
TIME SEC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TQX39 DEG
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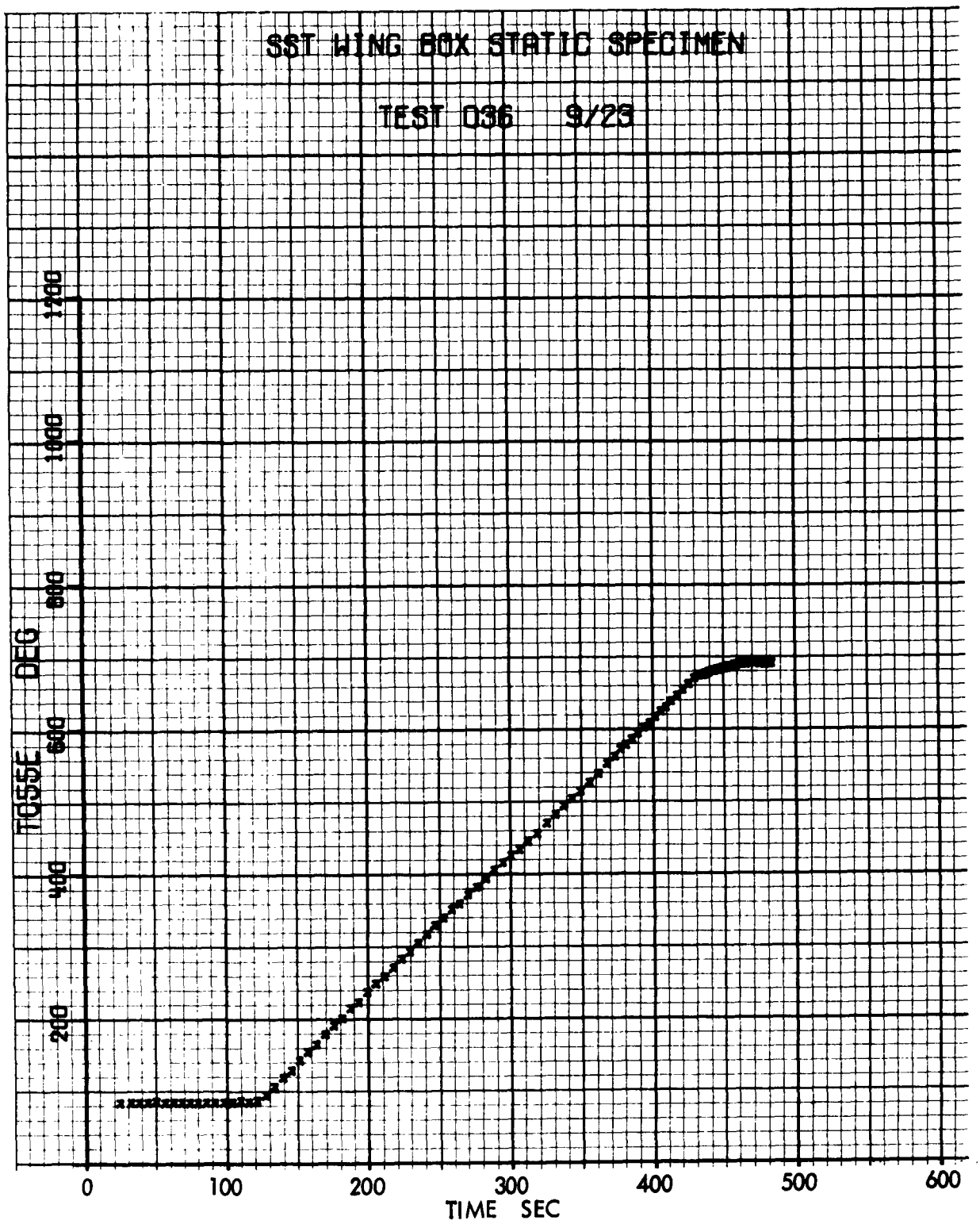
TIME SEC


SST WING BOX STATIC SPECIMEN
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ROSSE DEG
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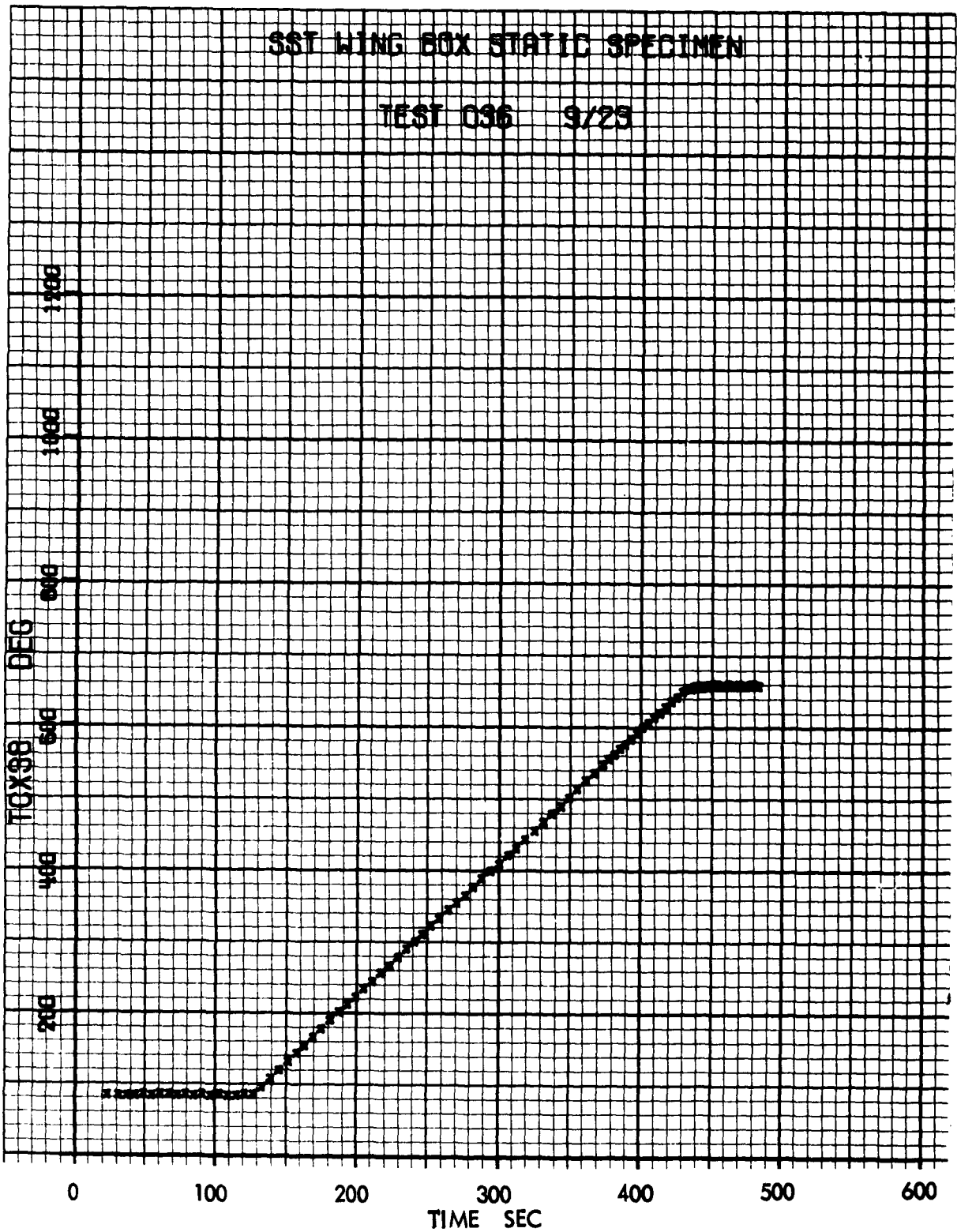
TIME SEC


SST WING BOX STATIC SPECIMEN
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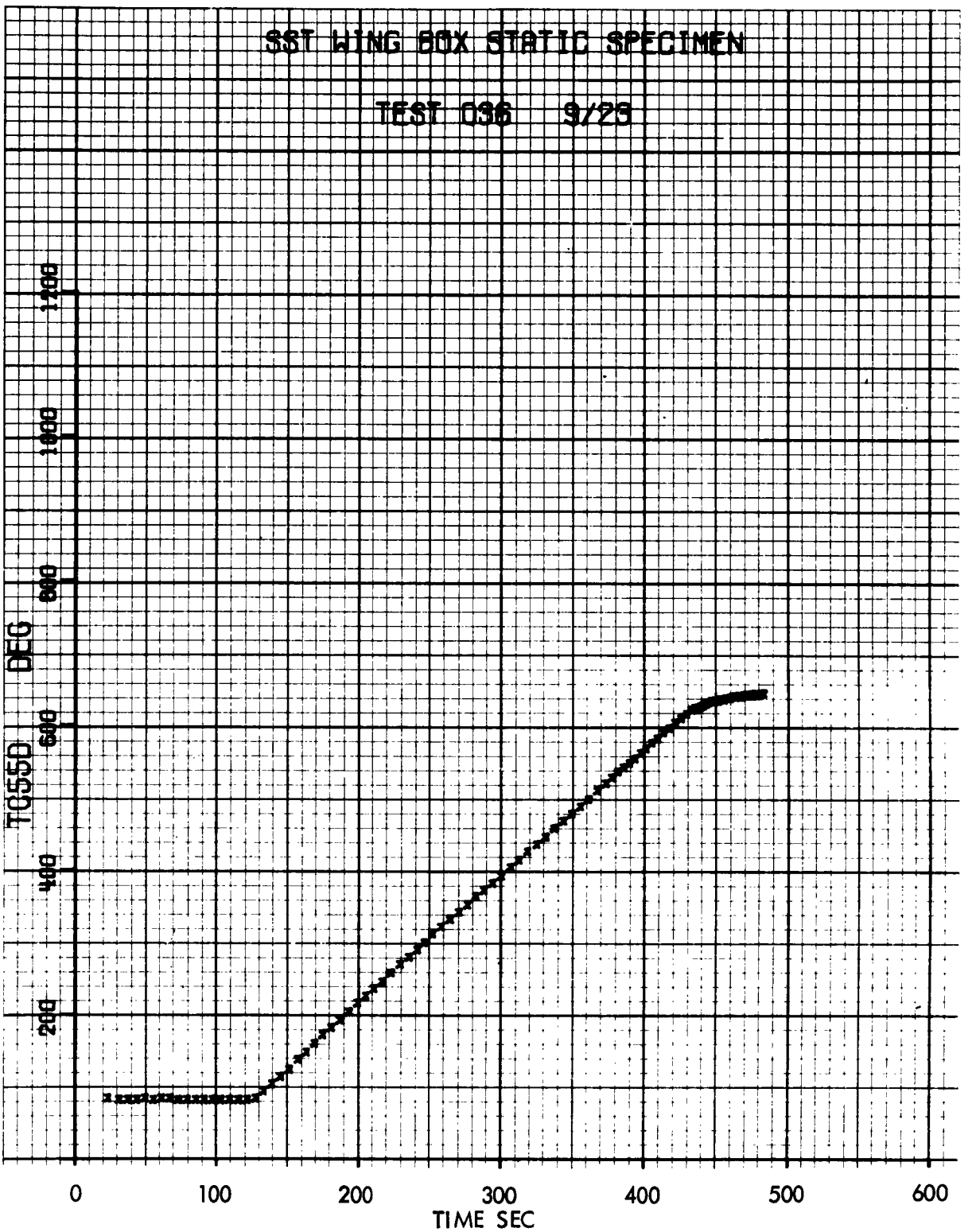
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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T055D DEG
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800
600
400
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100
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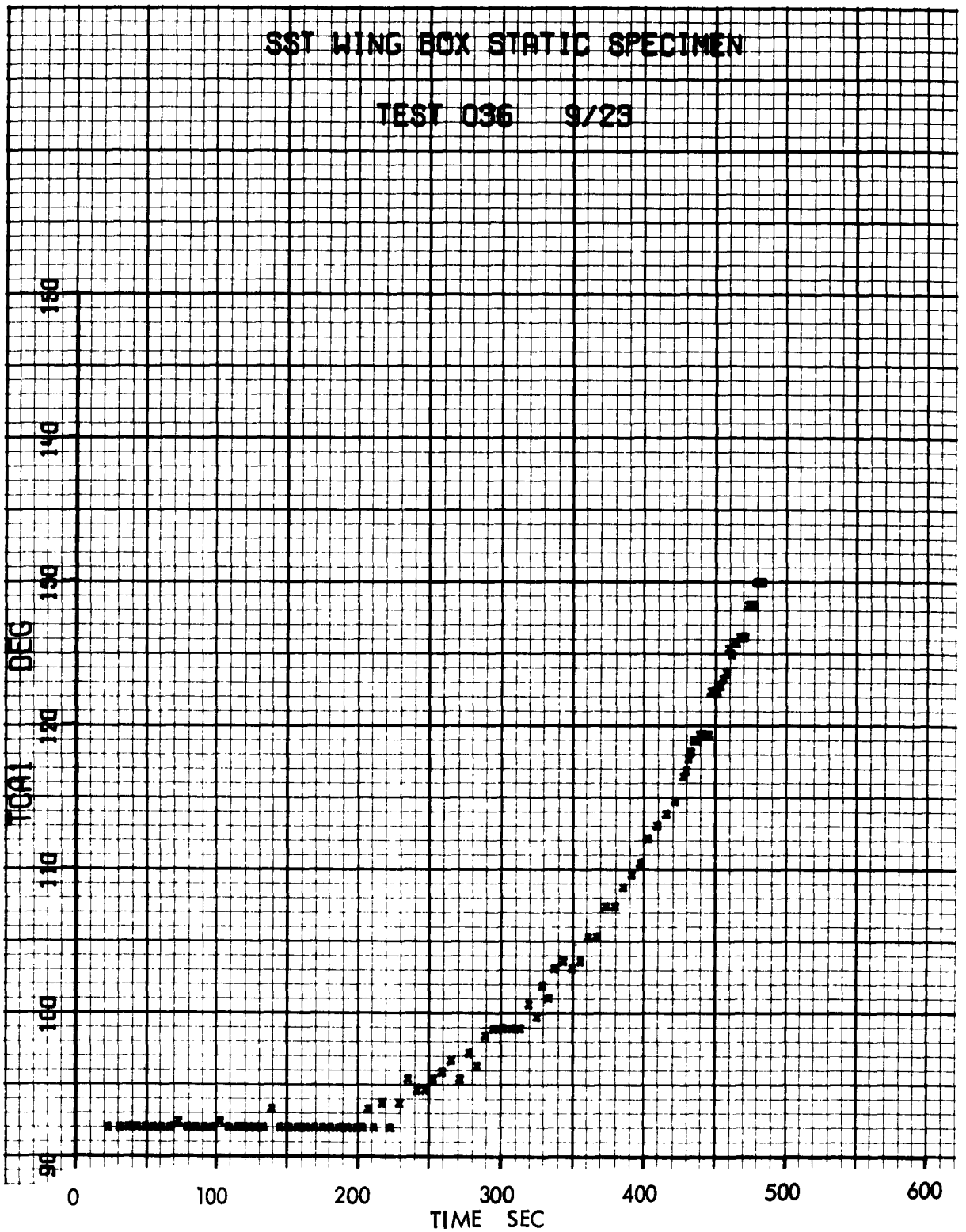
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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TCA1 DEG
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150
170
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100
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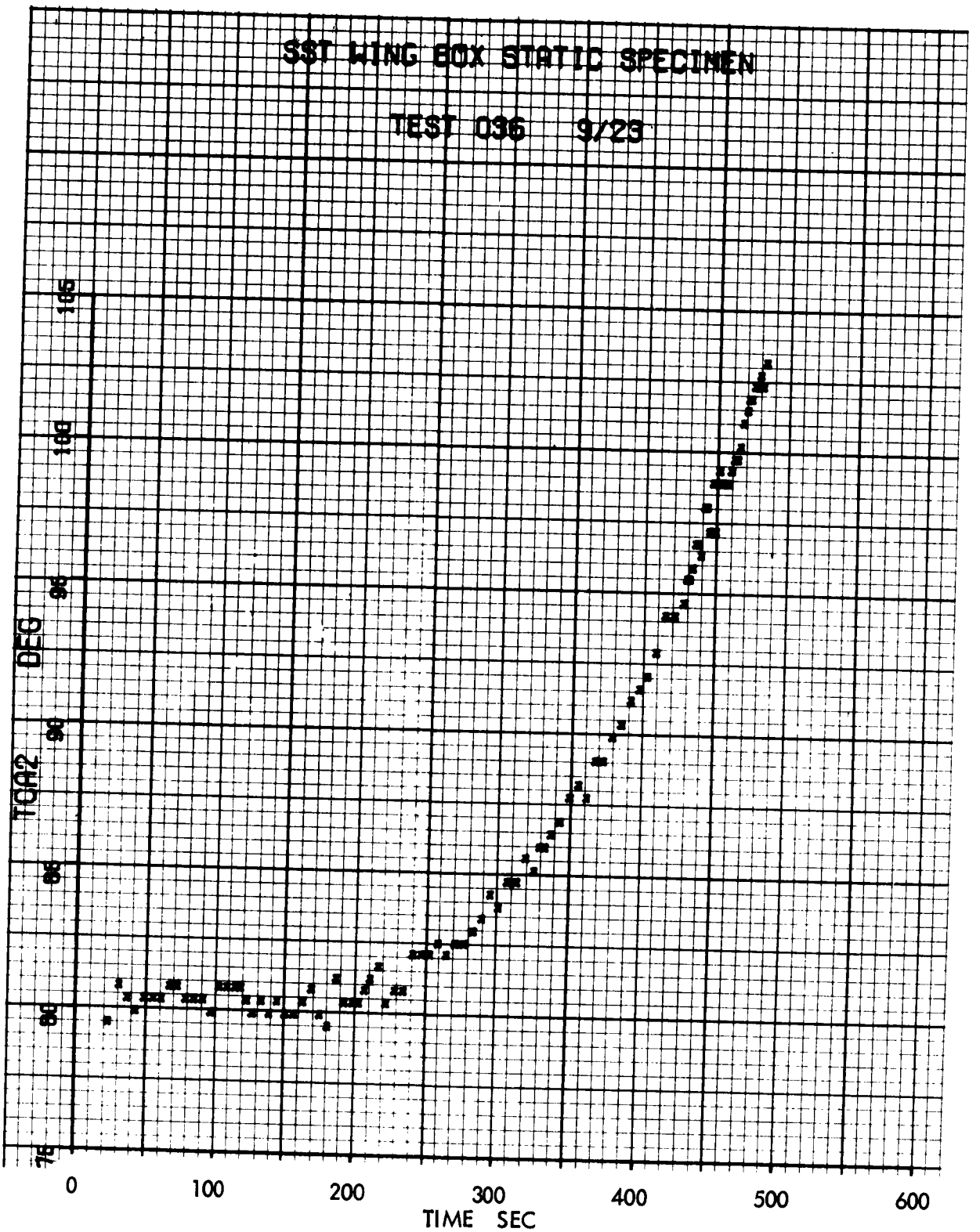
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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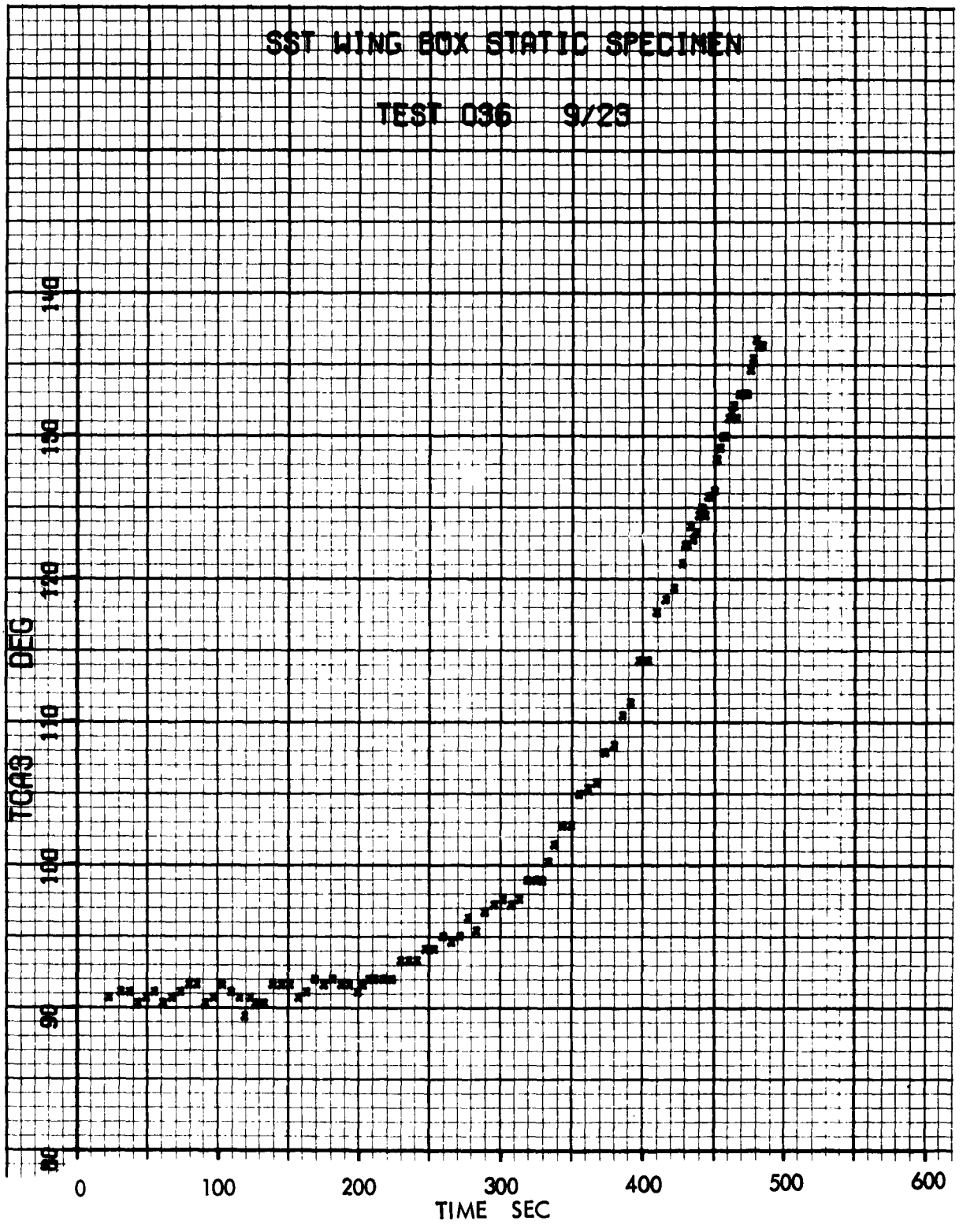
TIME SEC


SST WING BOX STATIC SPECIMEN
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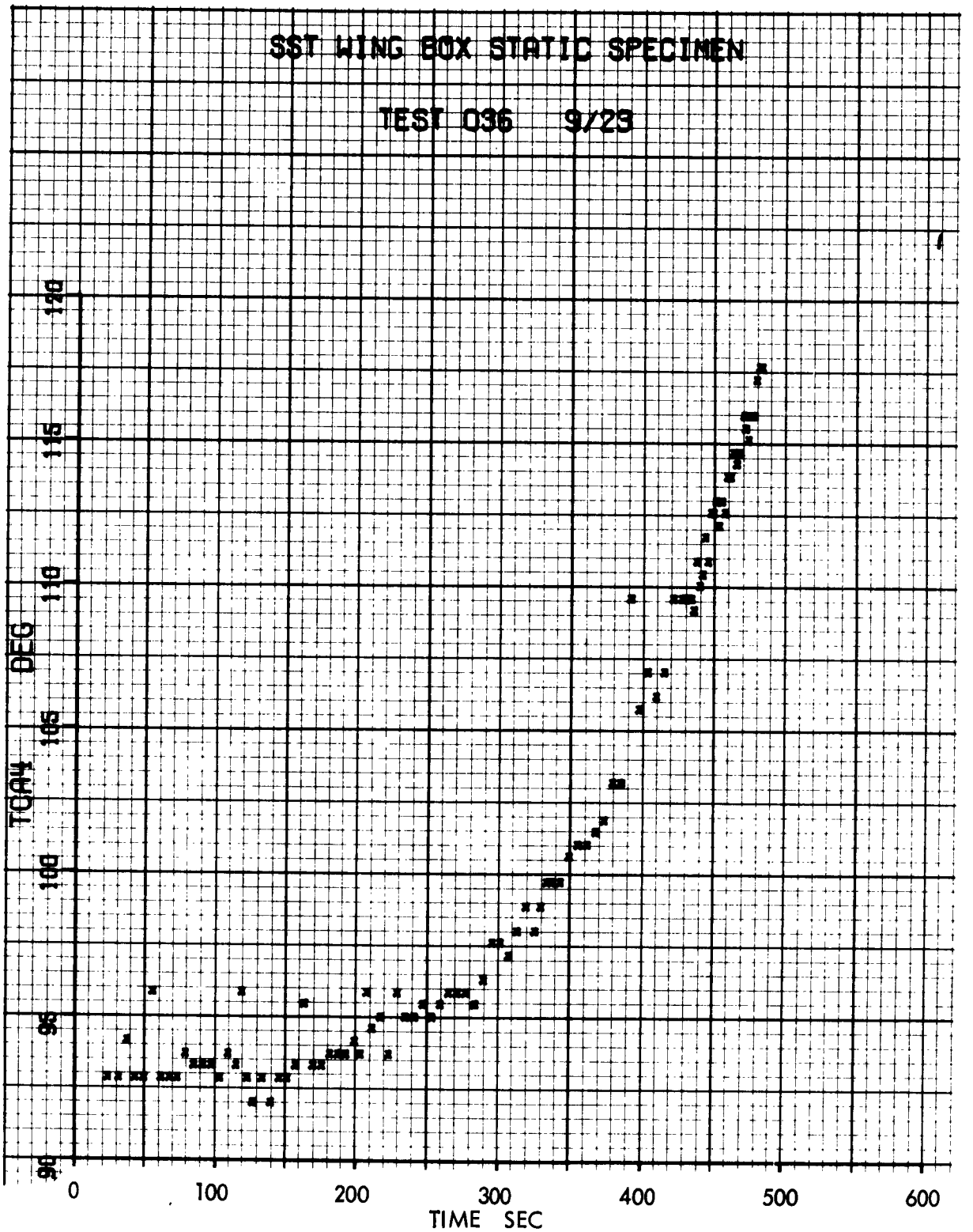
TIME SEC


SST WING BOX STATIC SPECIMEN
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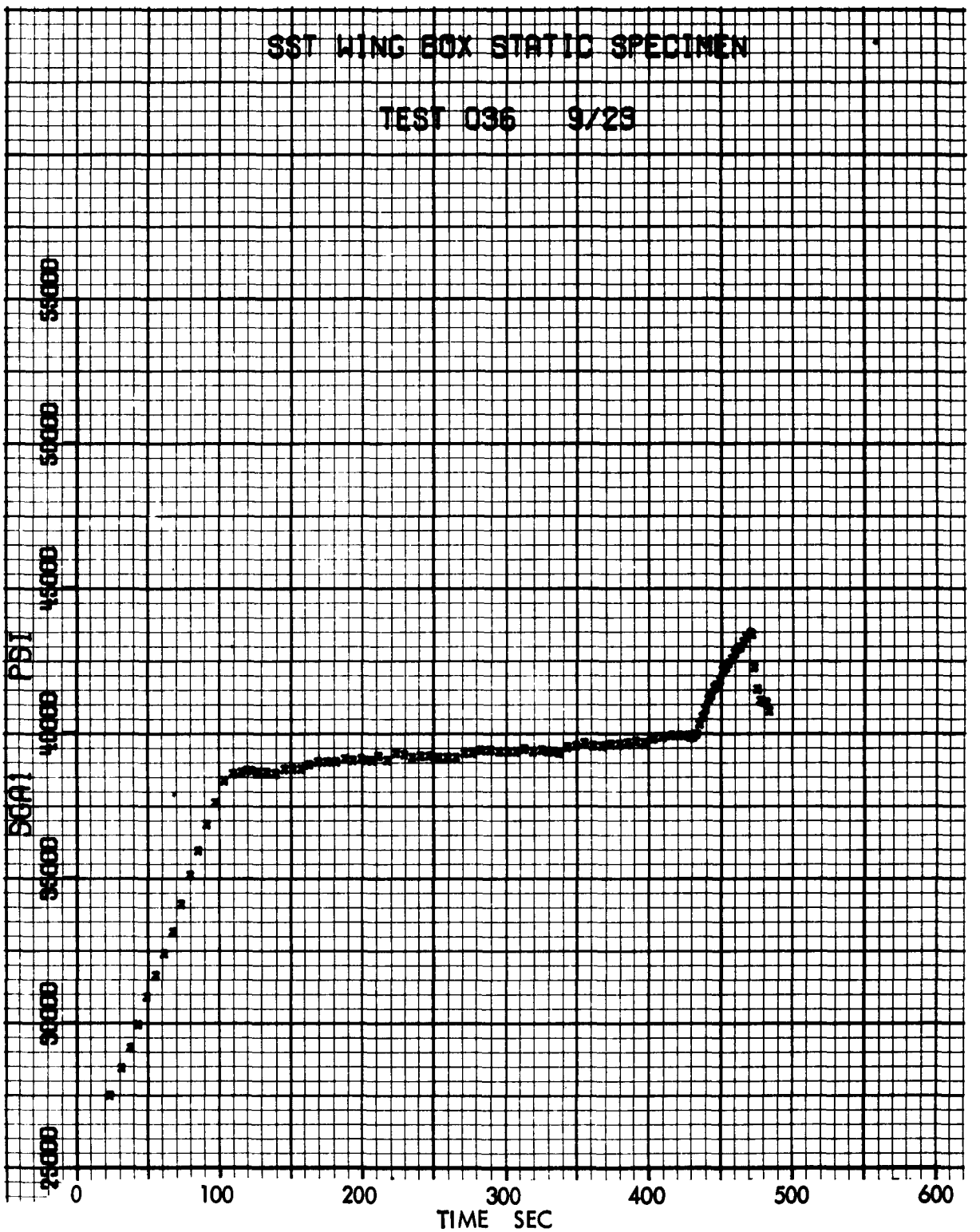
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/29
SG#1 PSI
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3000
2000
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100
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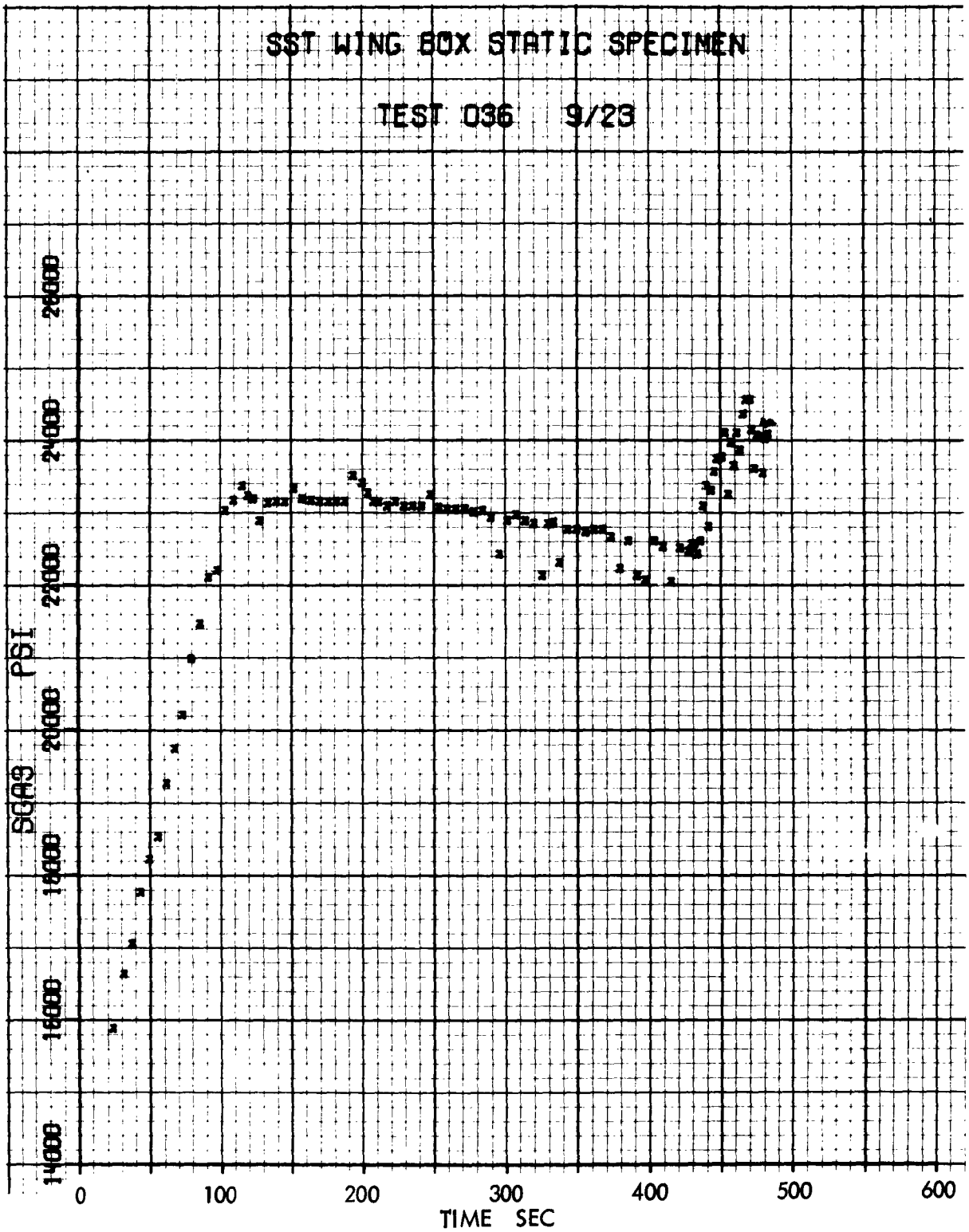
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGA3 PSI
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24000
22000
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18000
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0
100
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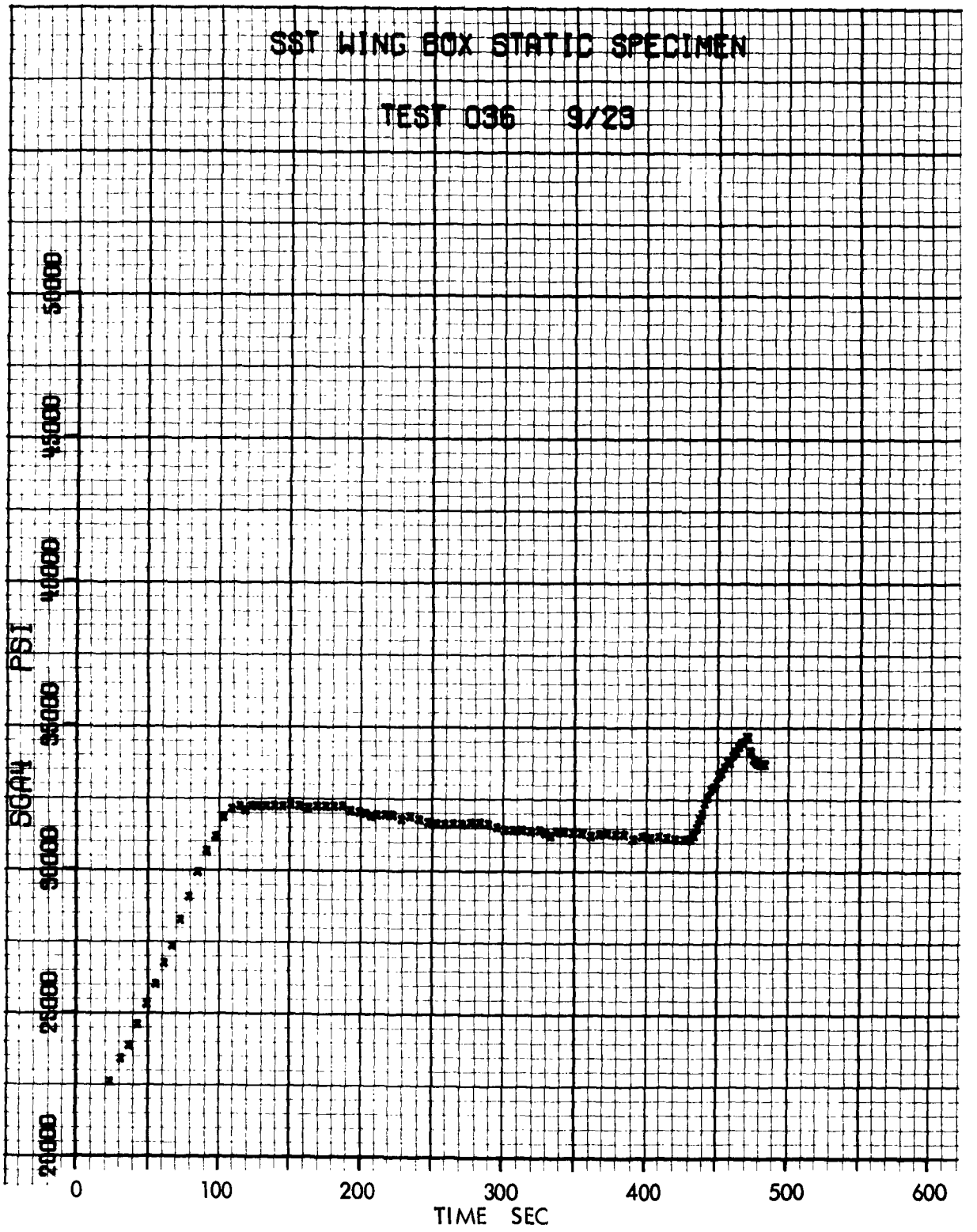
300
400
500
600
TIME SEC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SG#4 PSI
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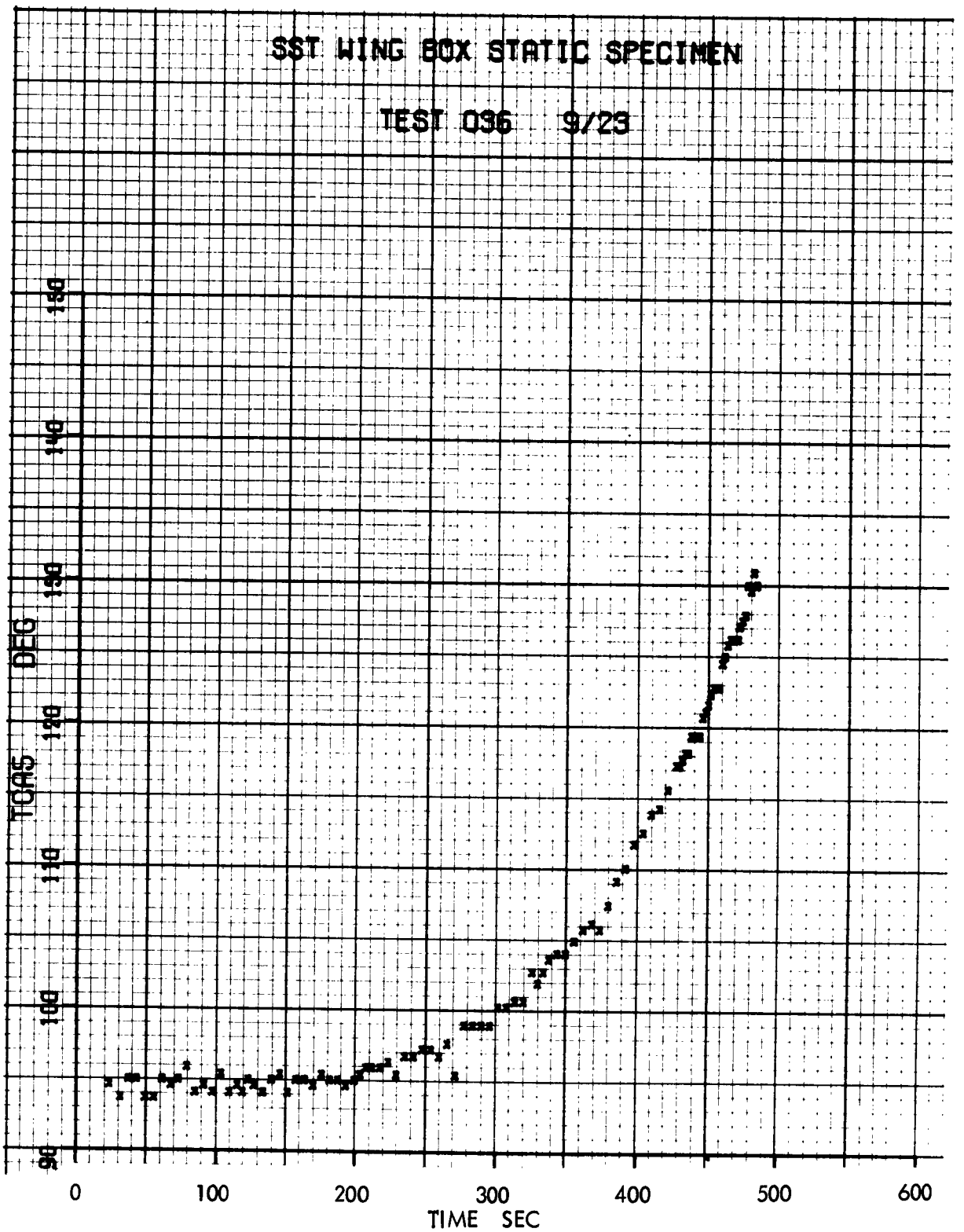
TIME SEC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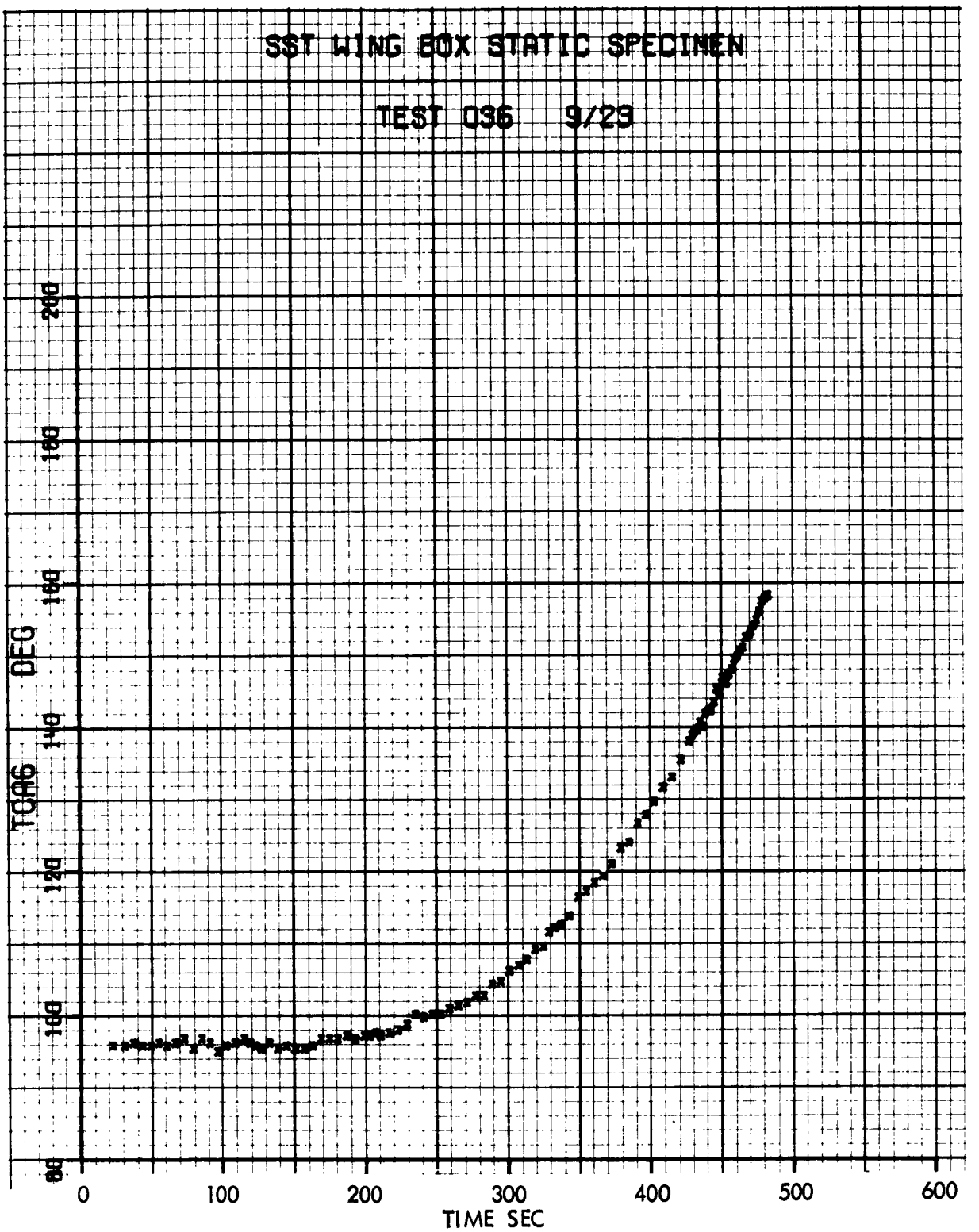
TIME SEC


SST WING BOX STATIC SPECIMEN
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TC#6 DEG
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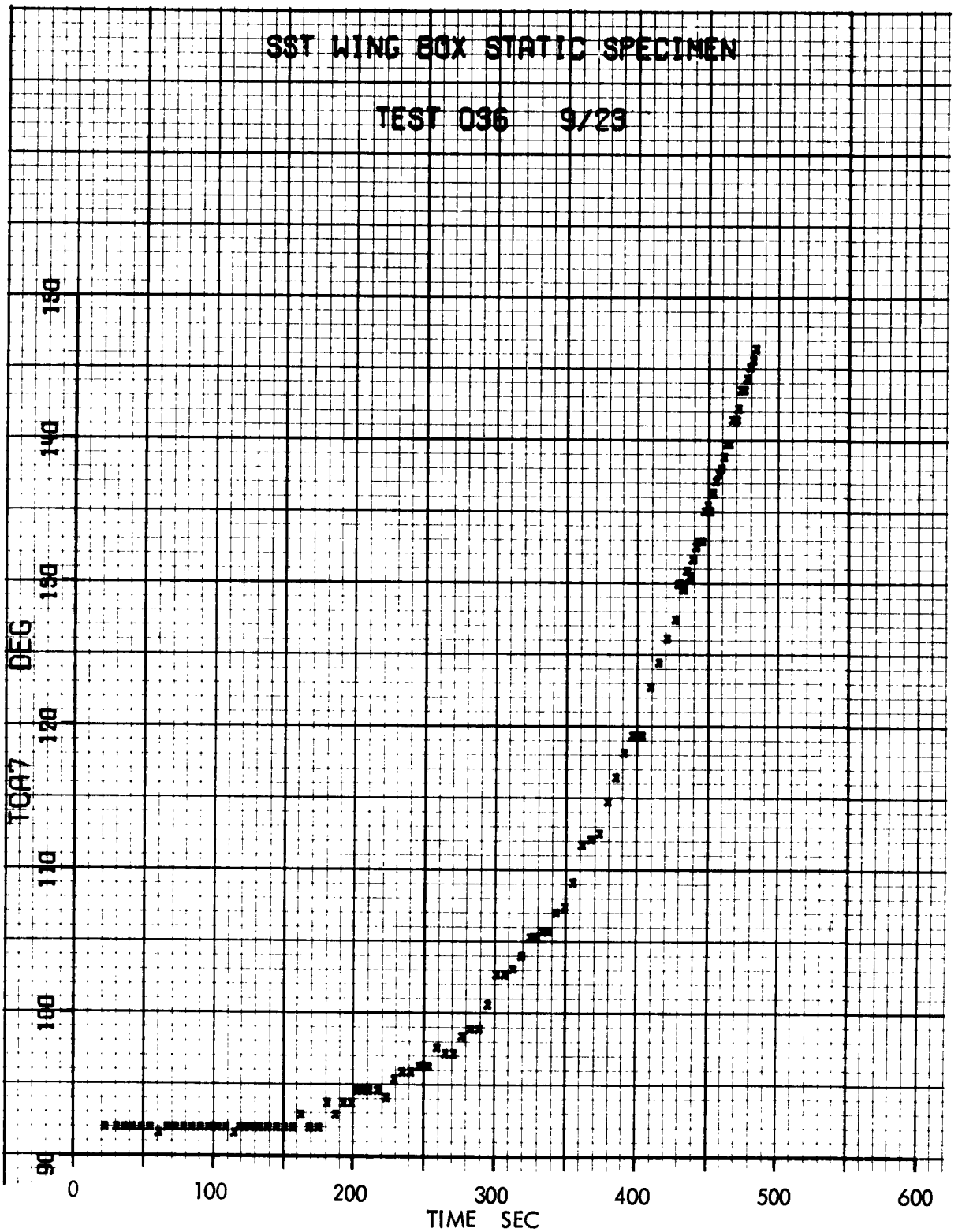
TIME SEC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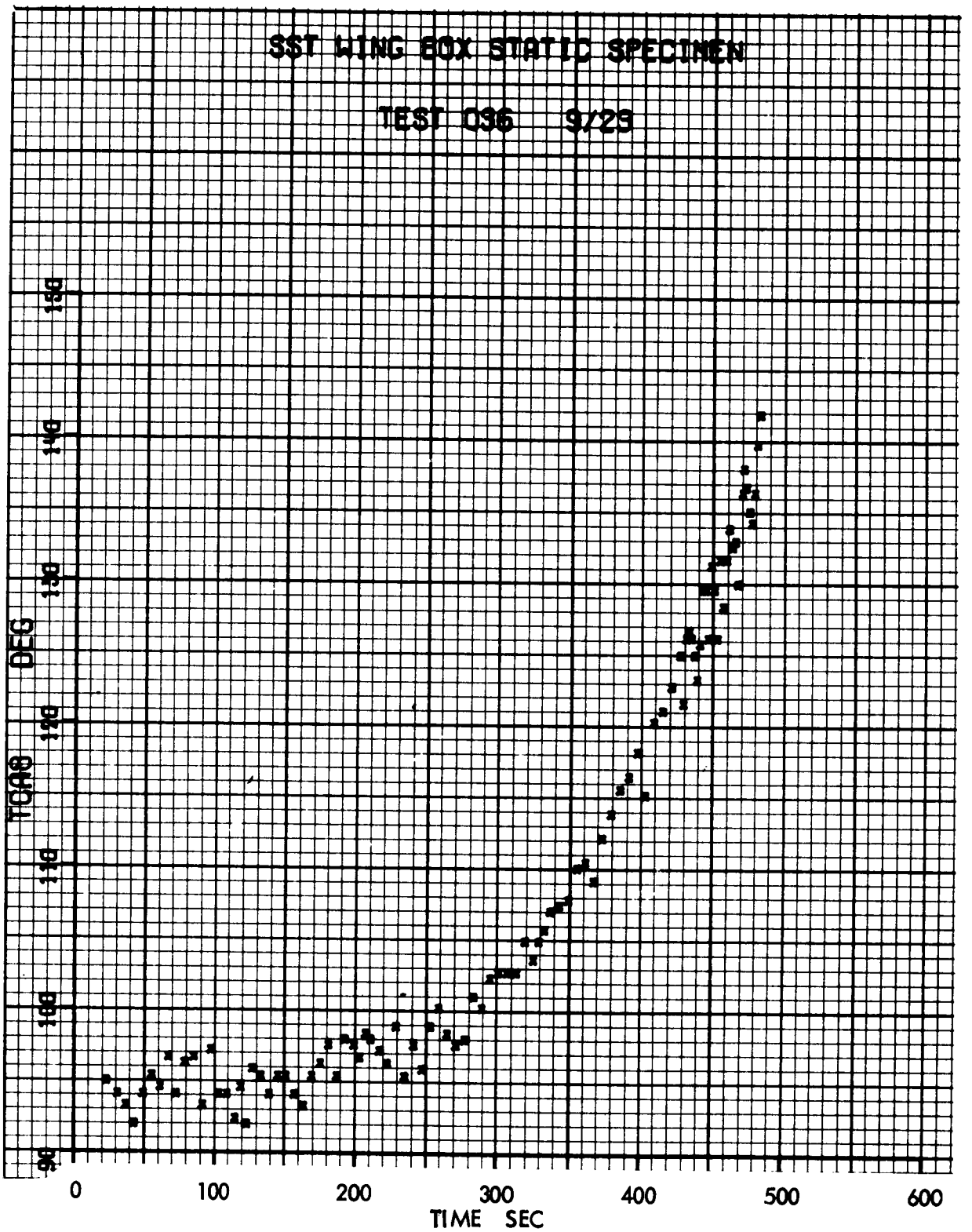
TIME SEC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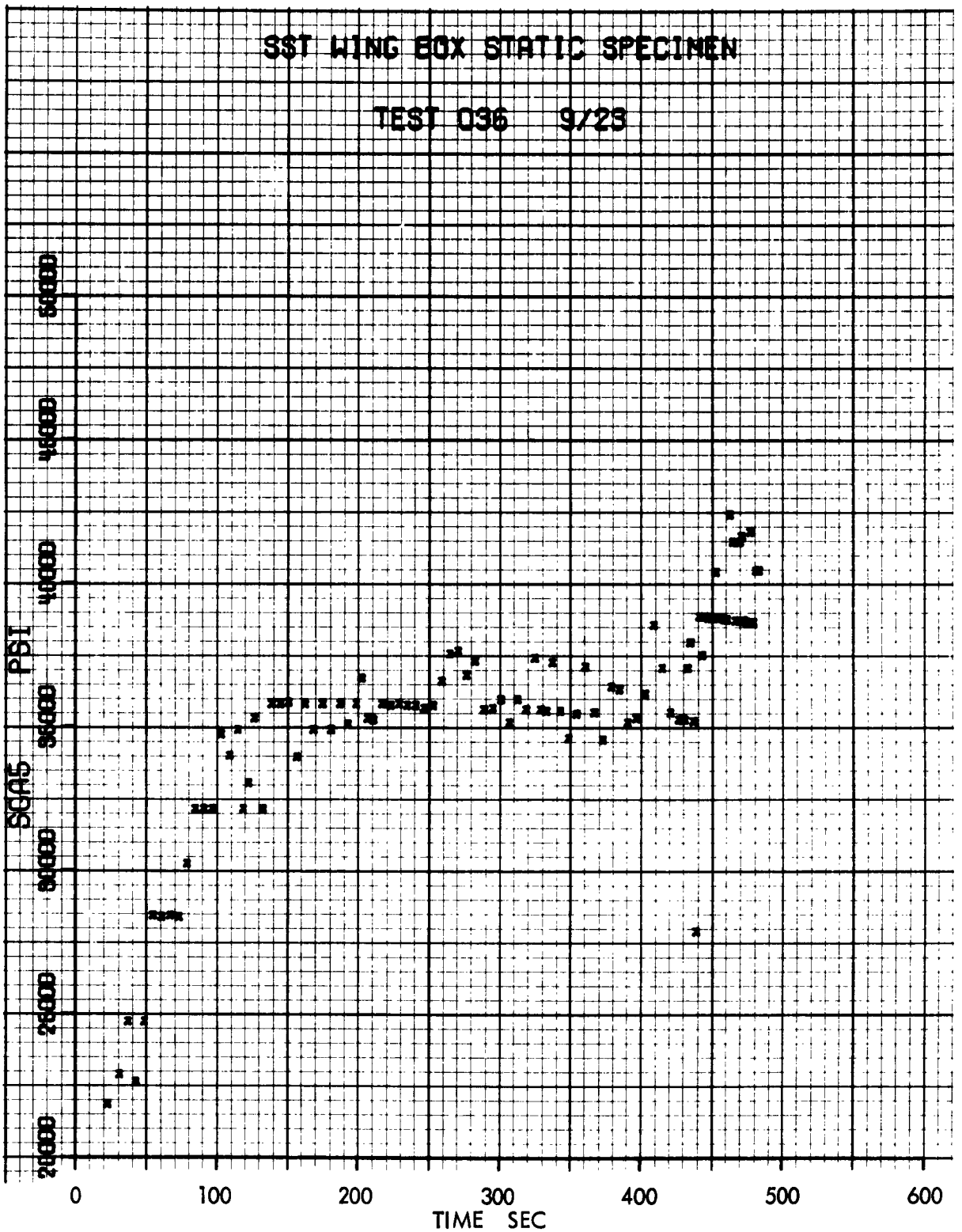
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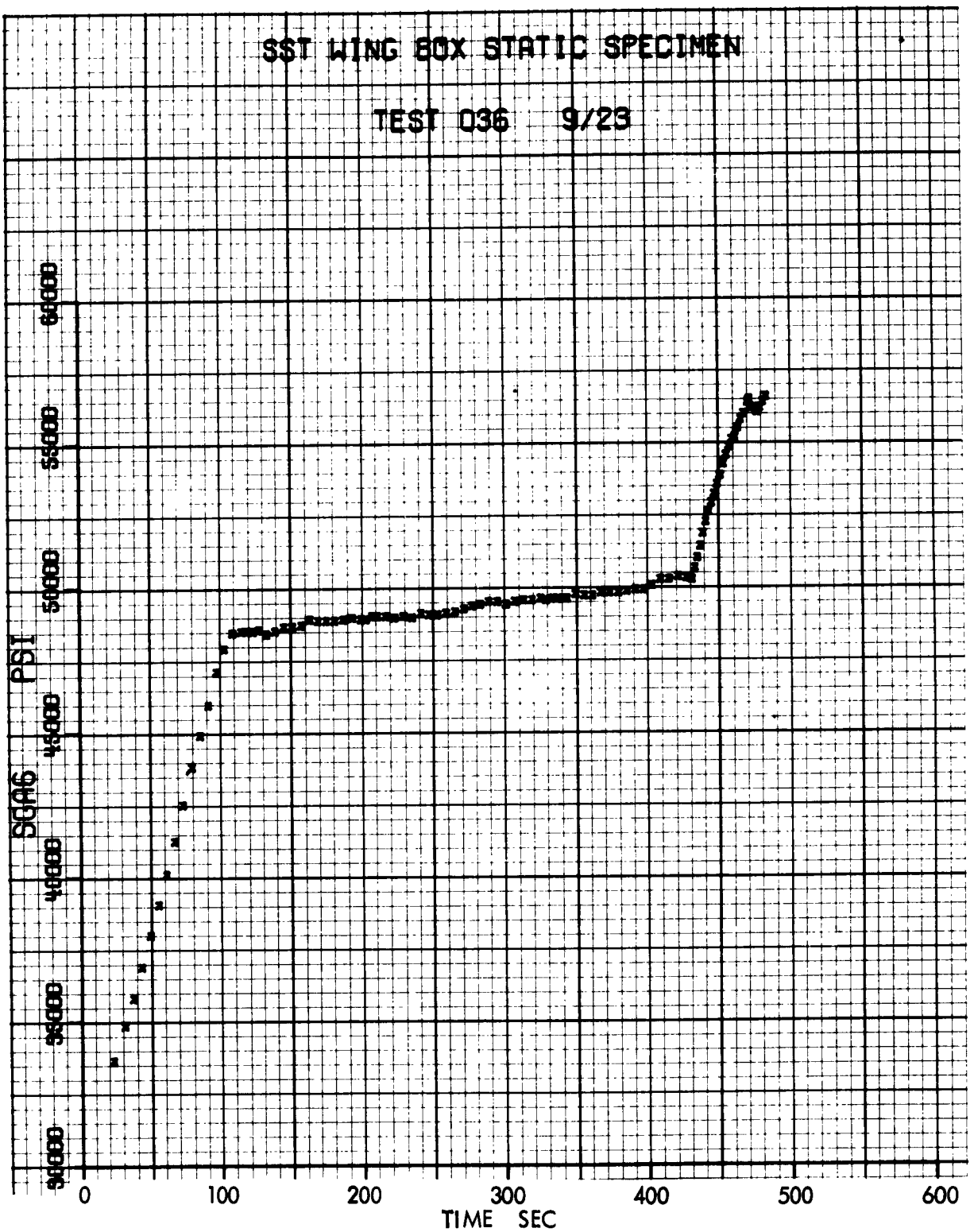
TIME SEC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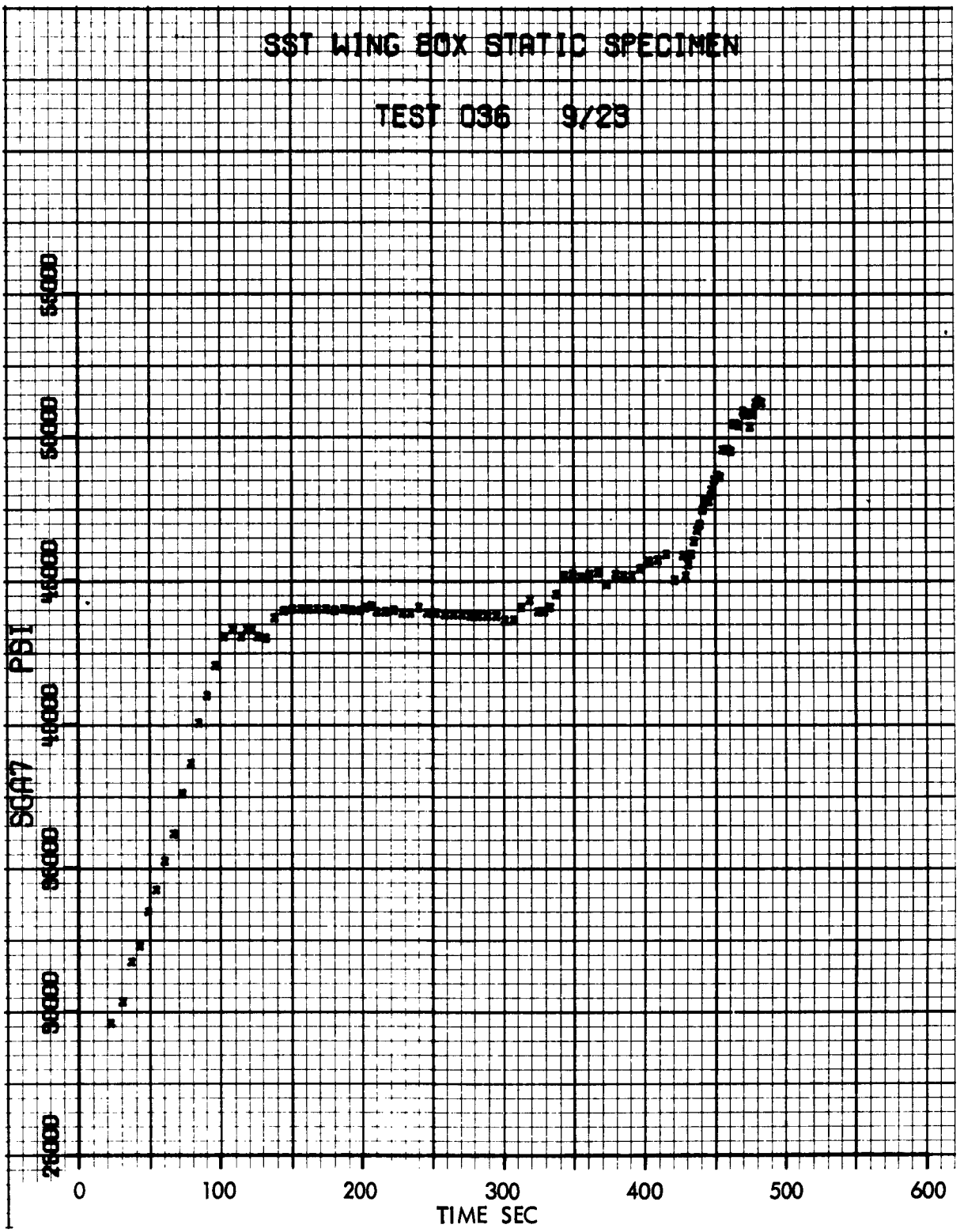
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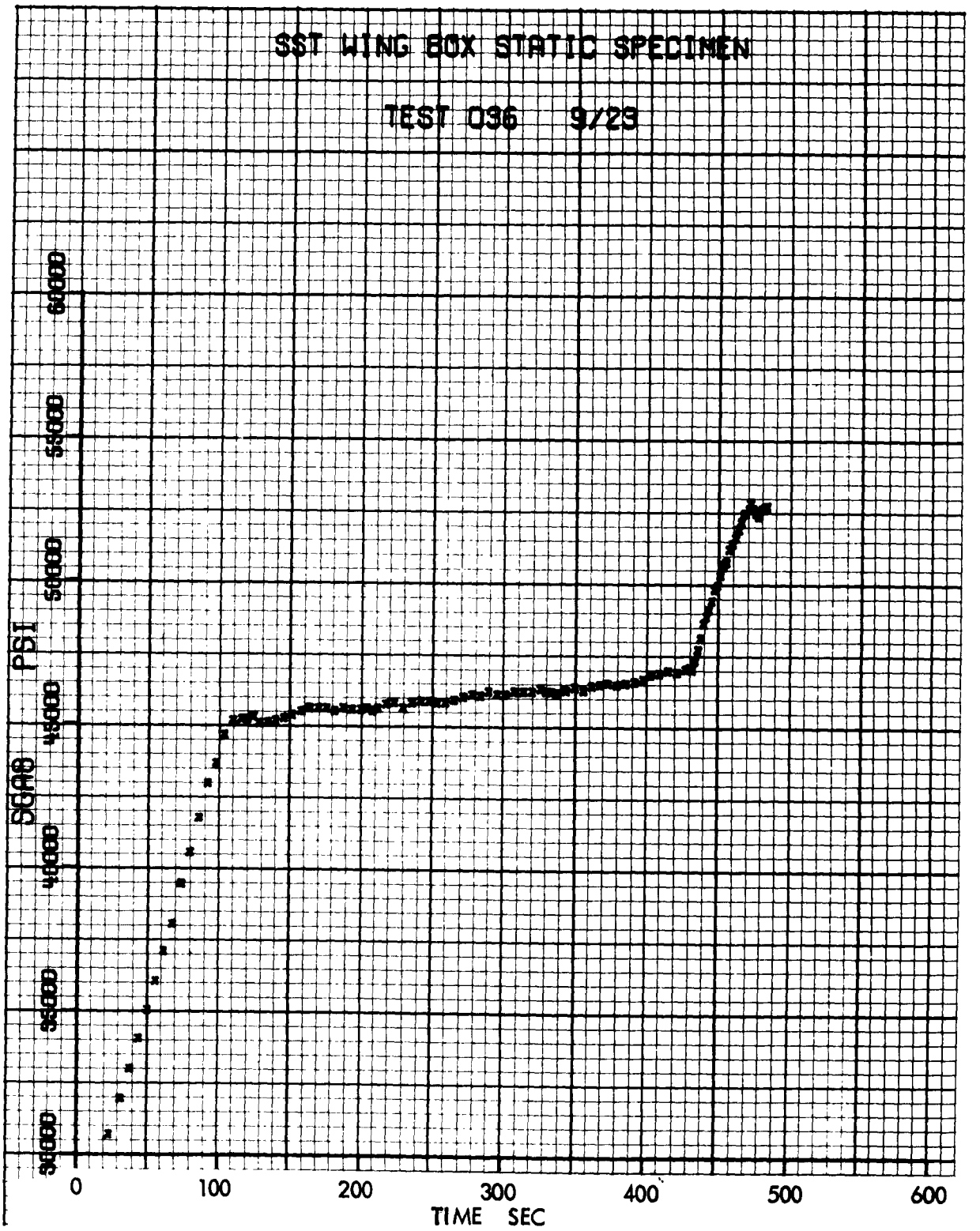
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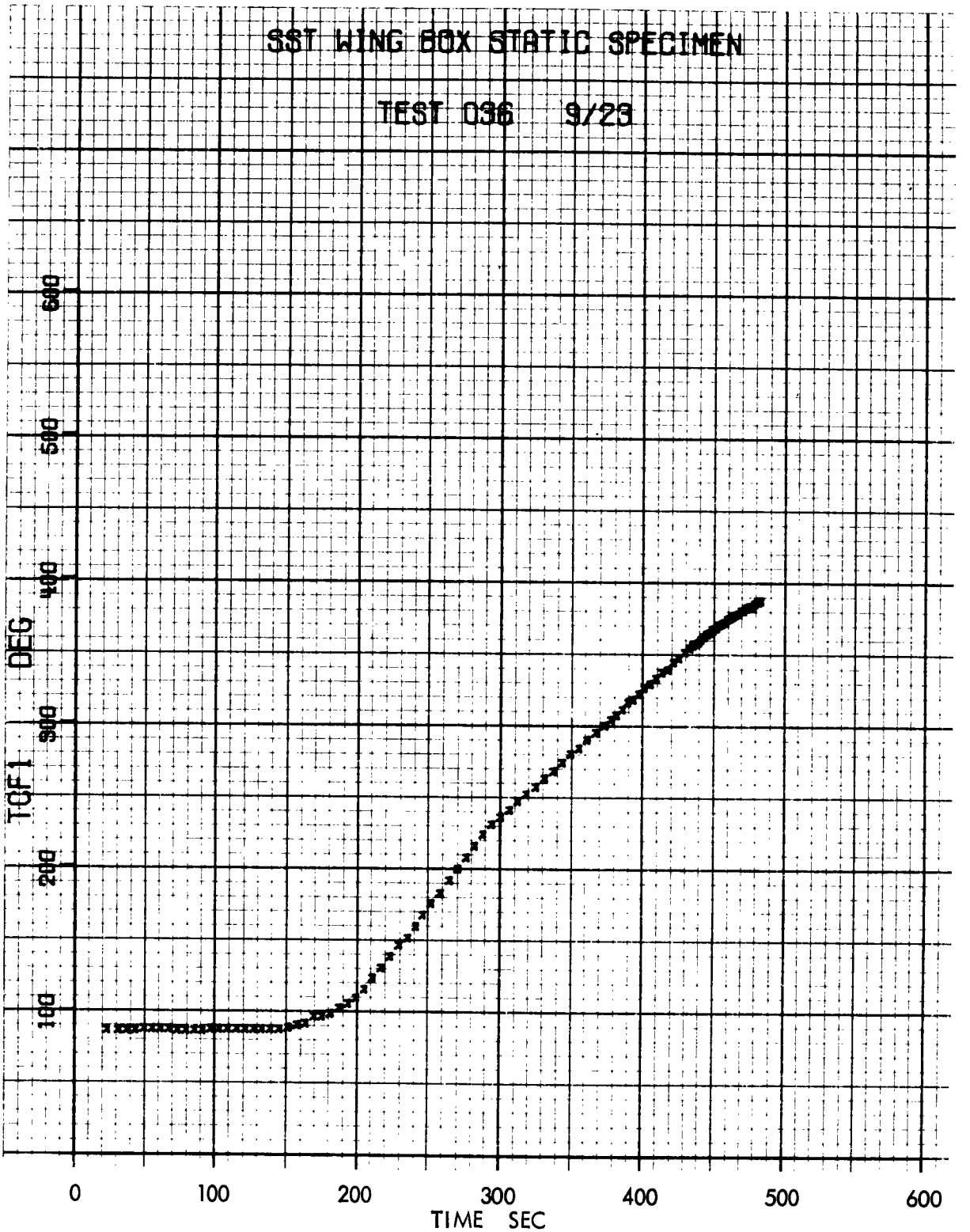
TIME SEC


SST WING BOX STATIC SPECIMEN
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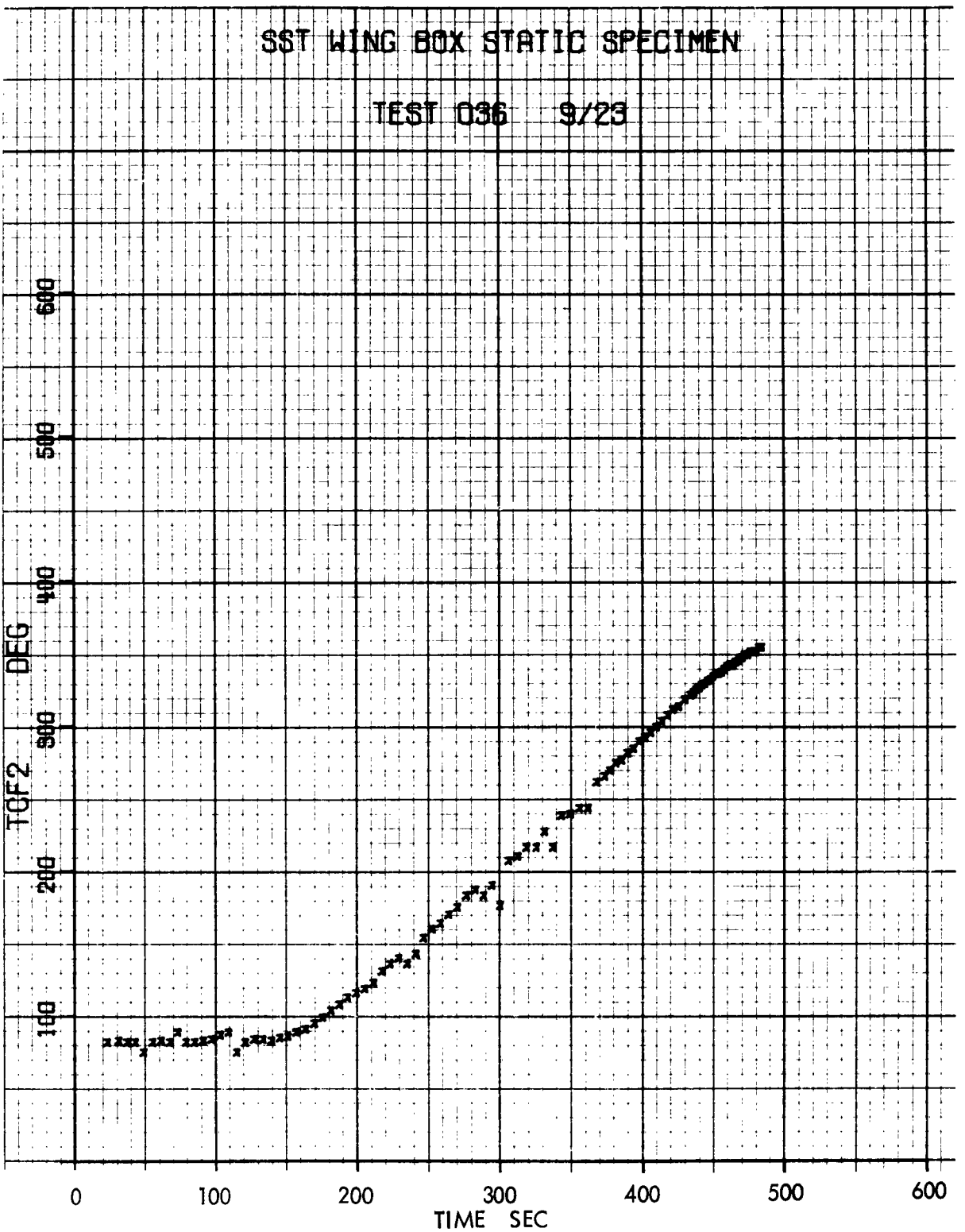
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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500
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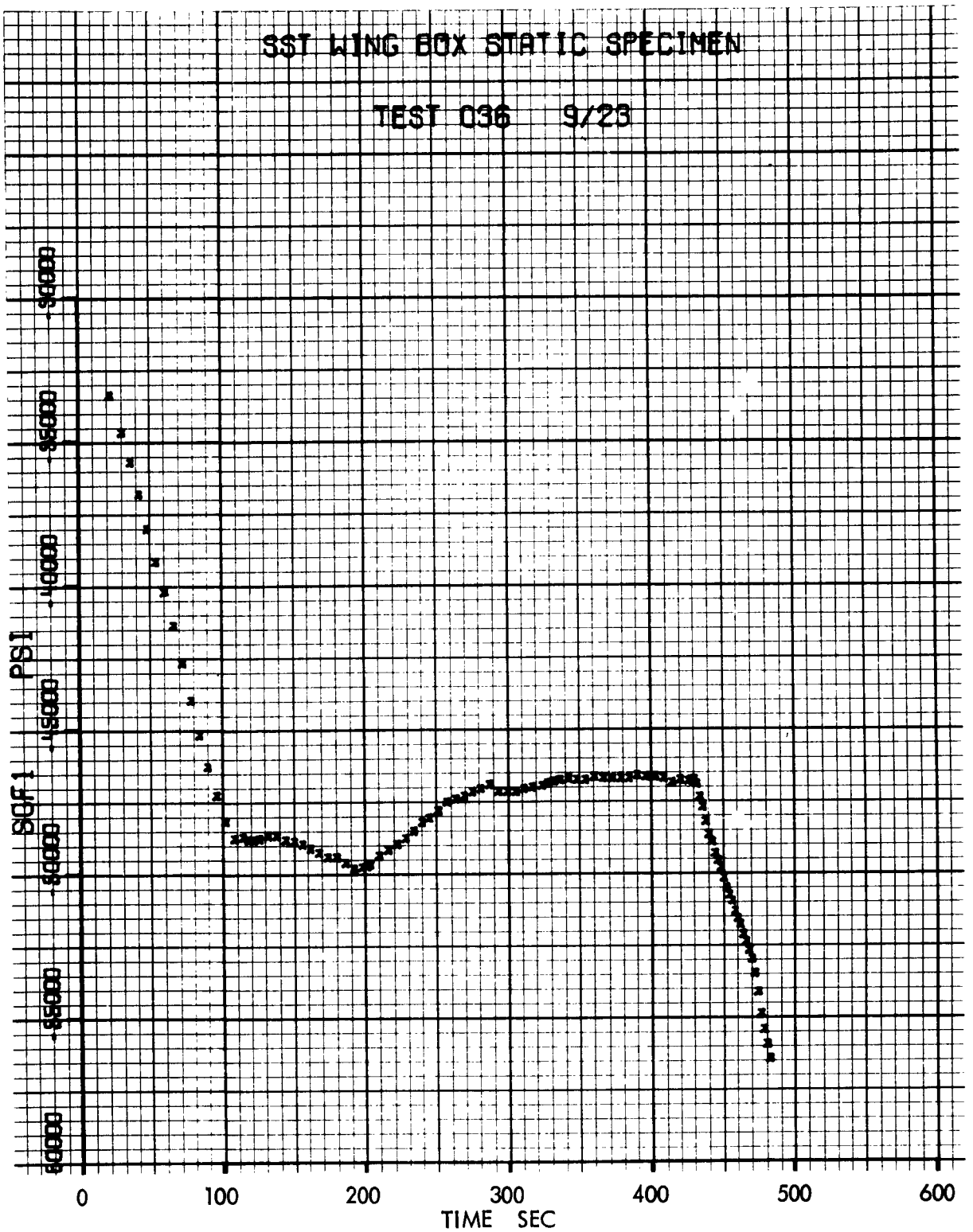
TIME SEC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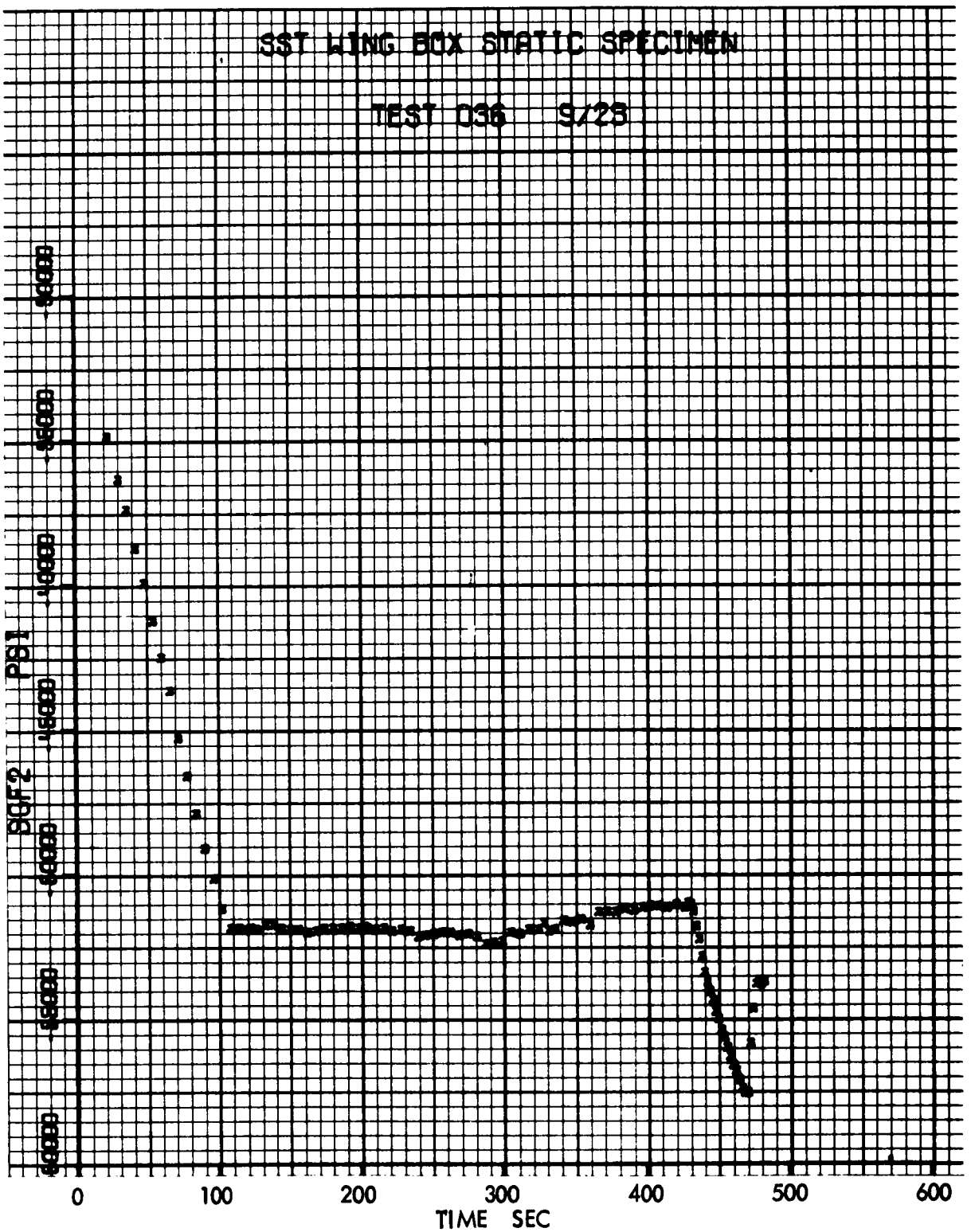
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PSI
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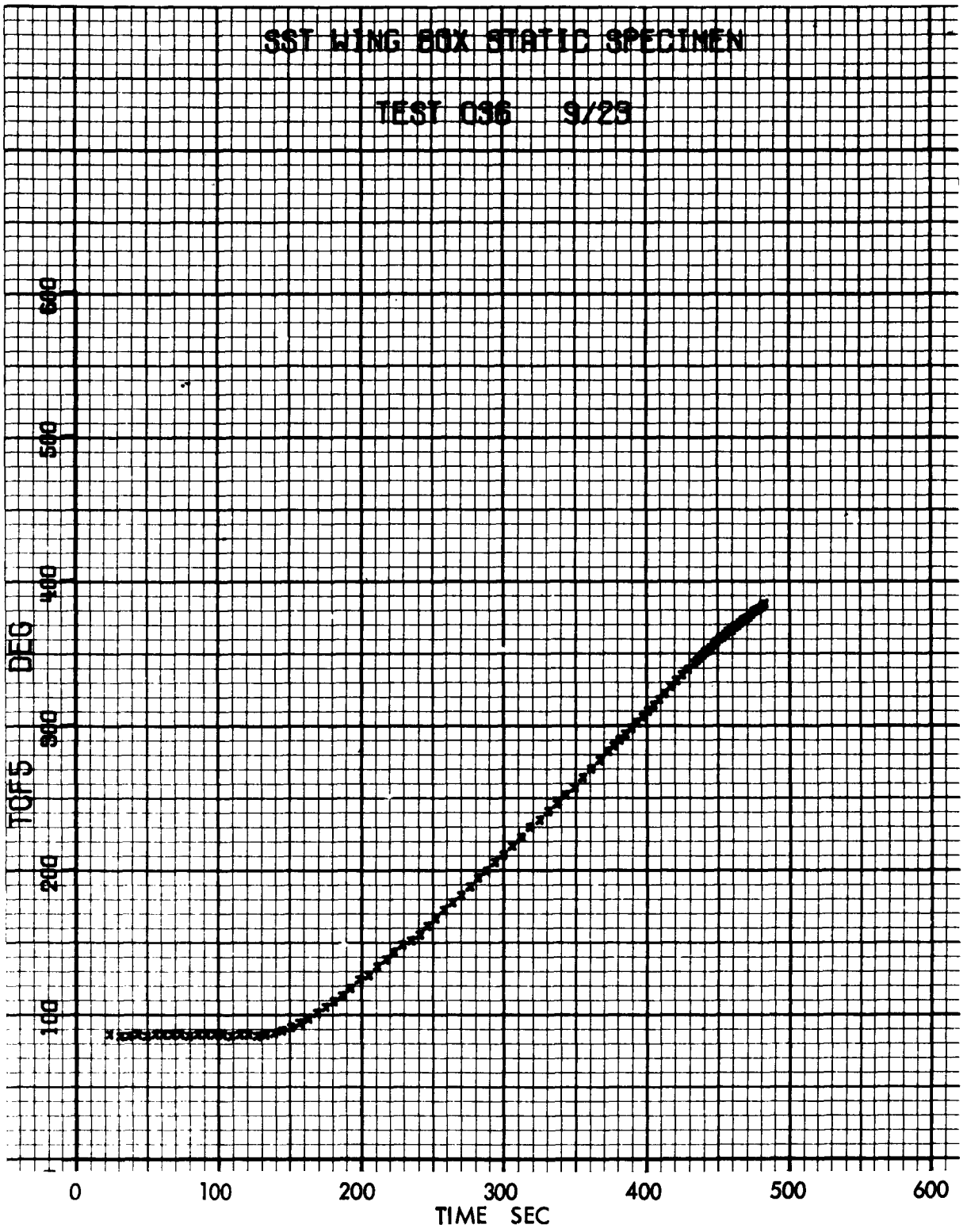
TIME SEC


SST WING BOX STATIC SPECIMEN
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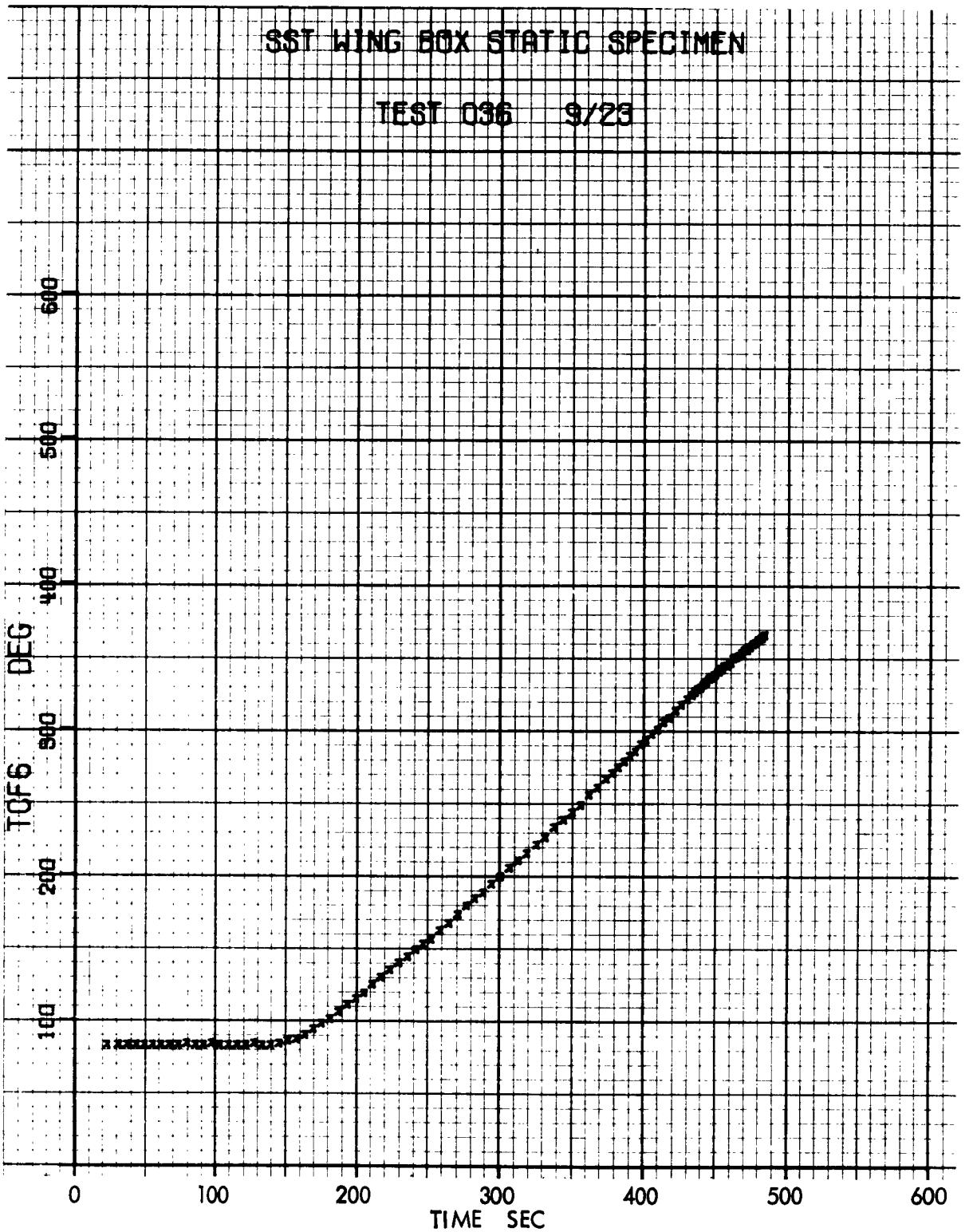
TIME SEC


SST WING BOX STATIC SPECIMEN
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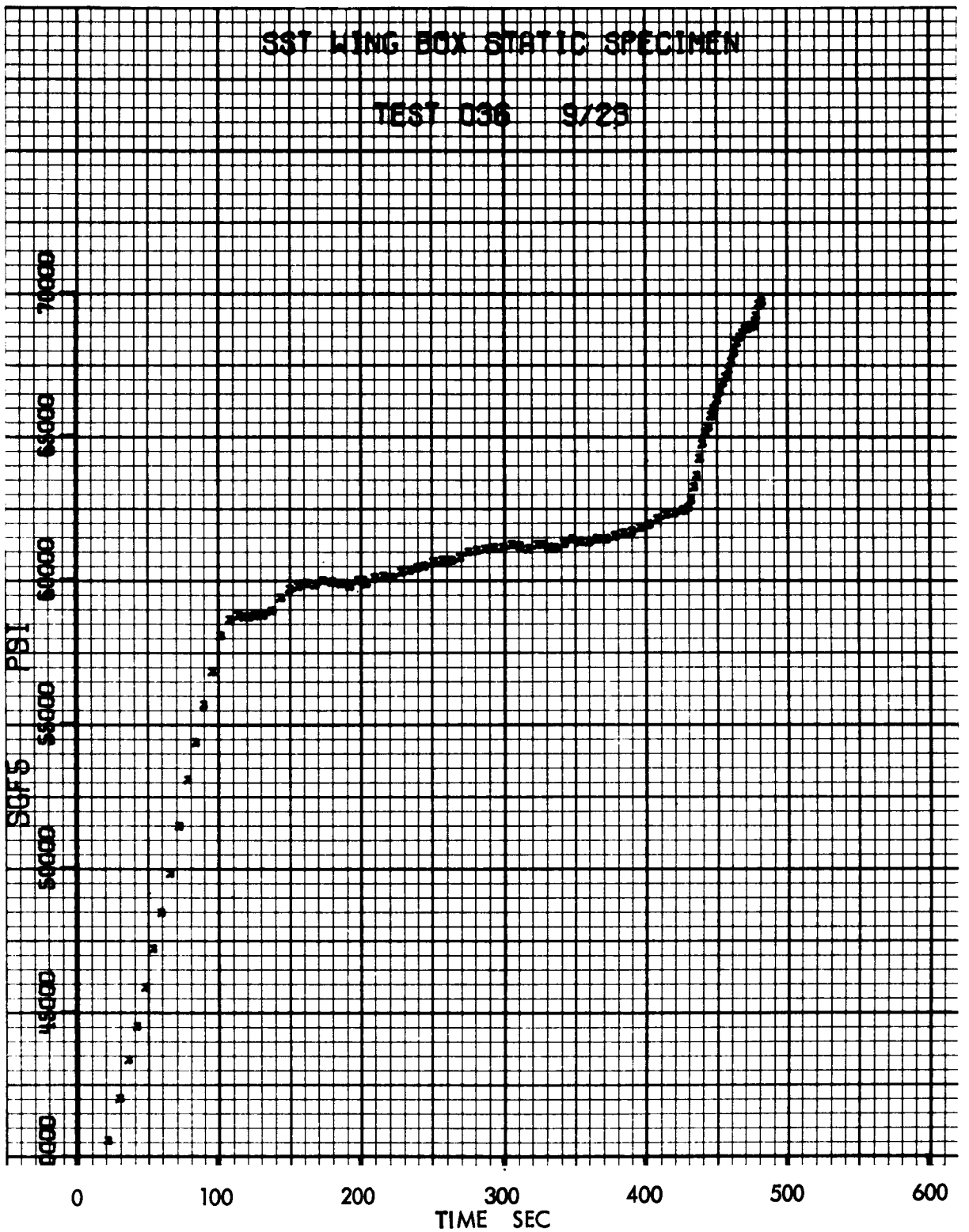
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TEST D36 9/23
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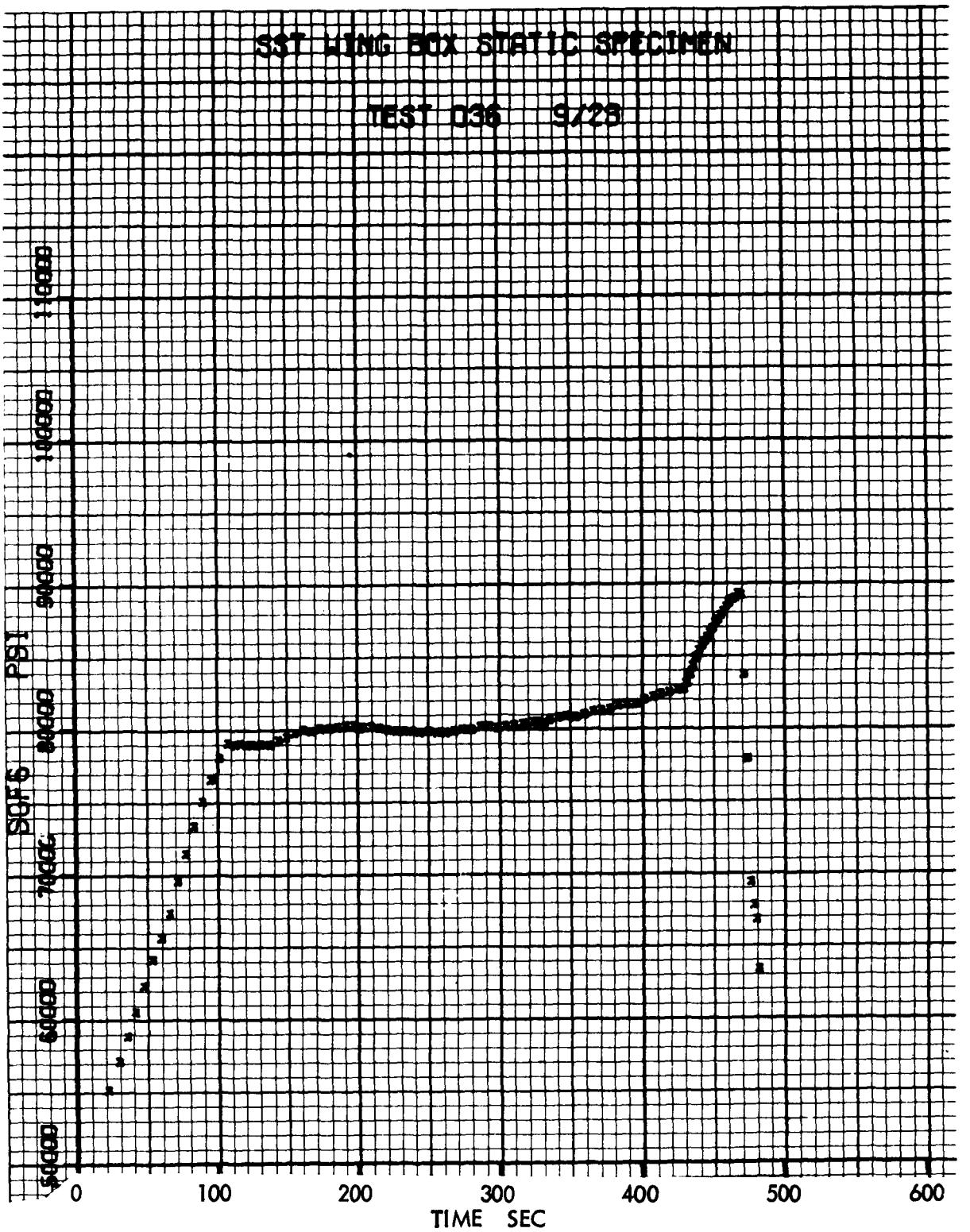
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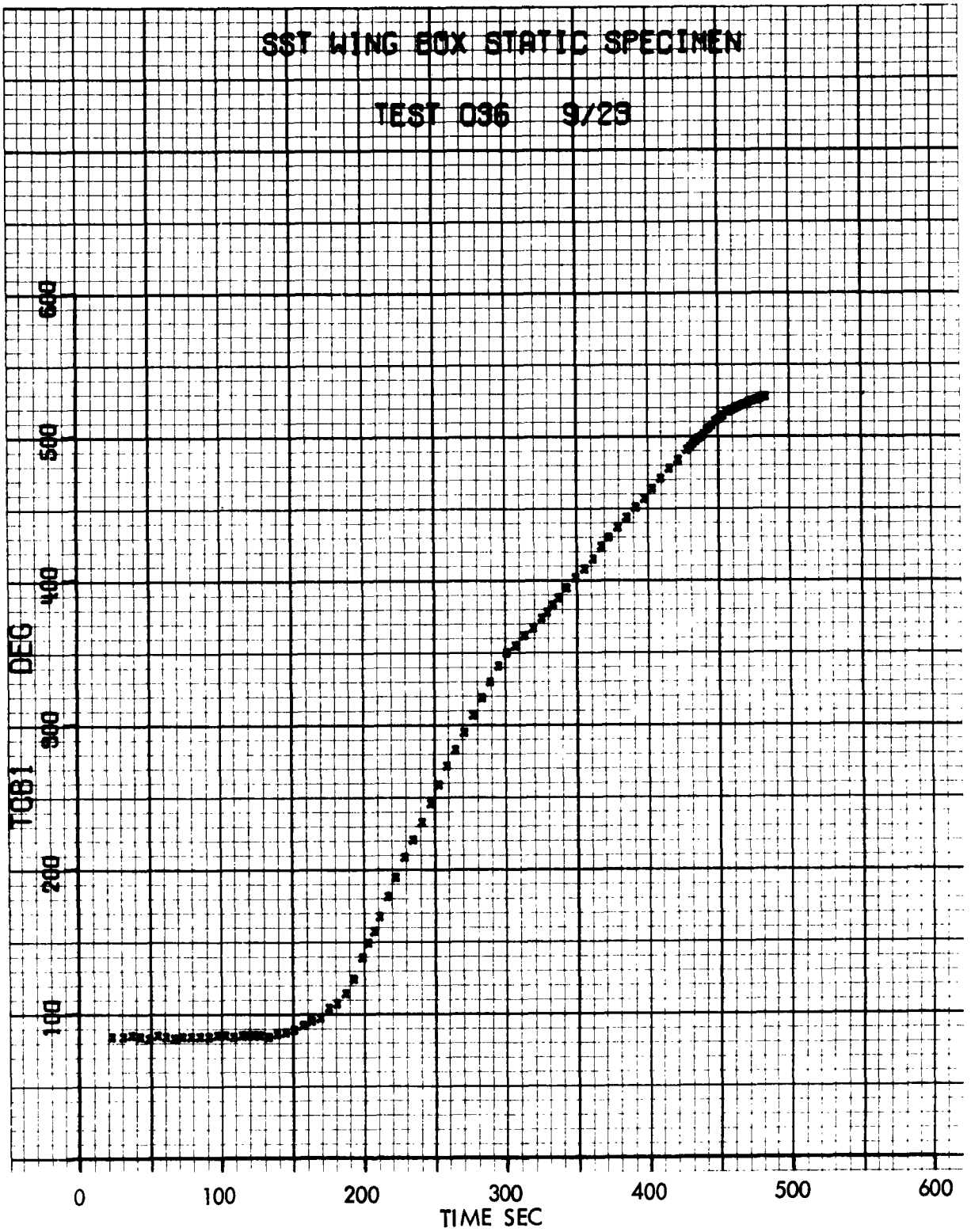
SST WING BOX STATIC SPECIMEN
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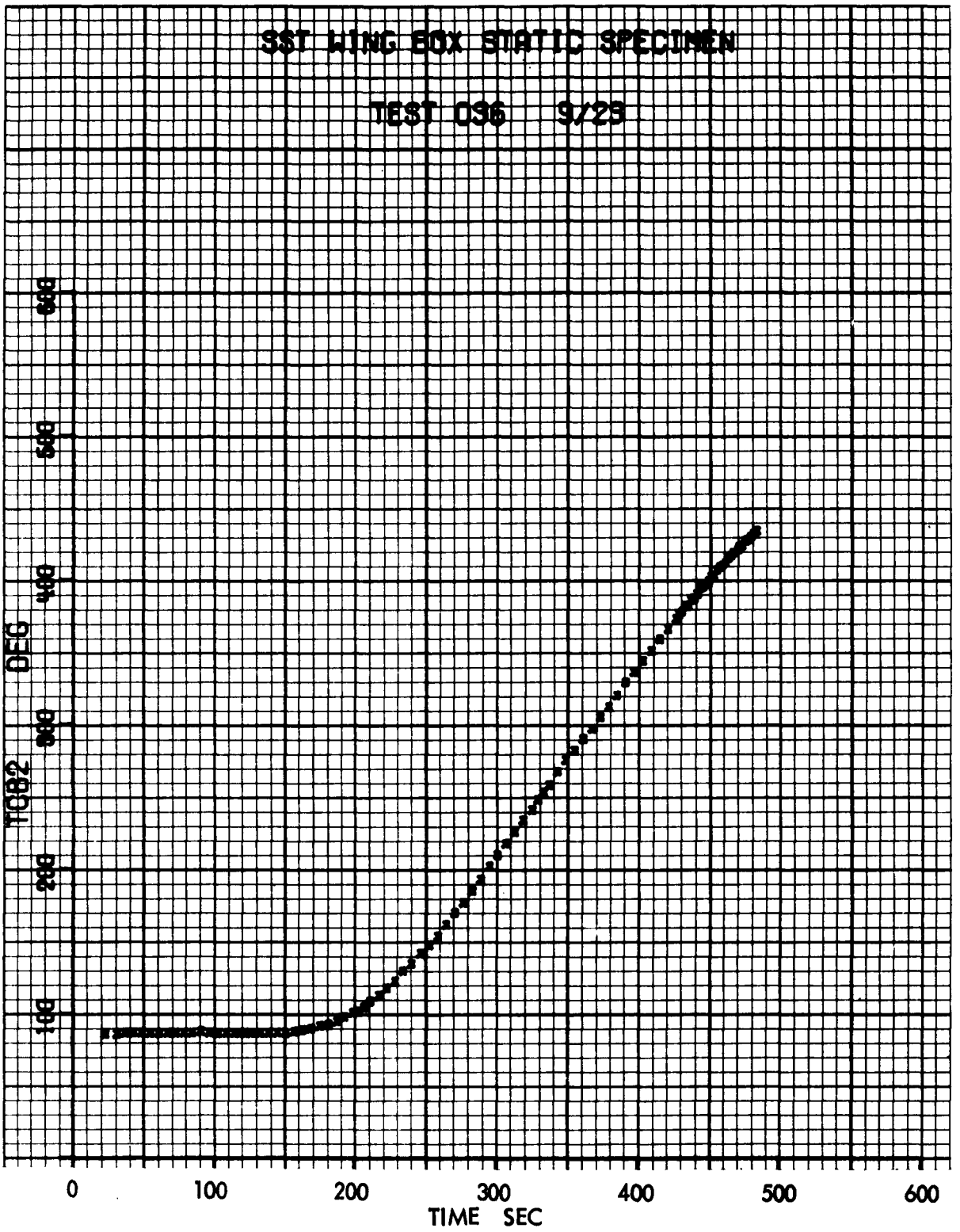
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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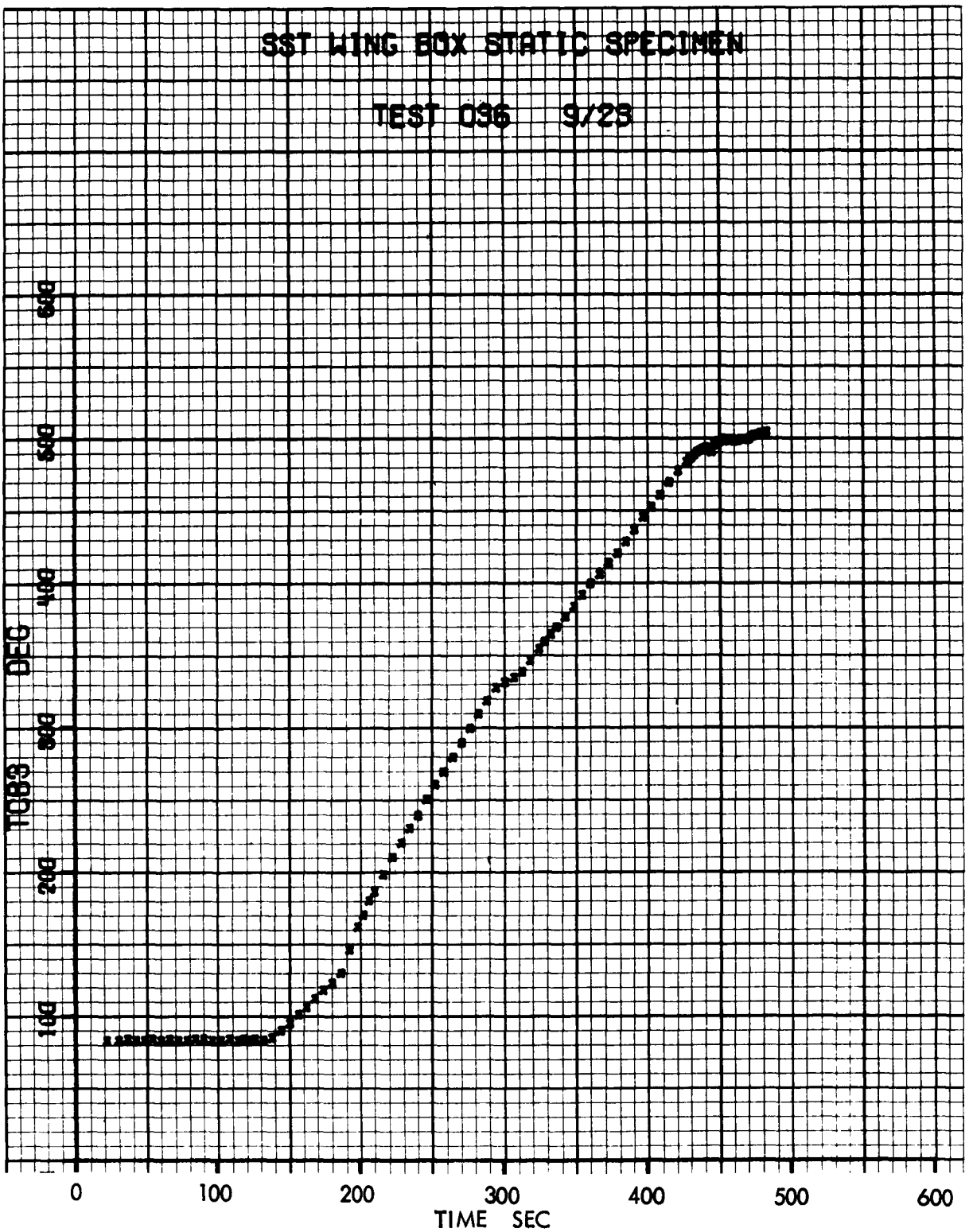
TIME SEC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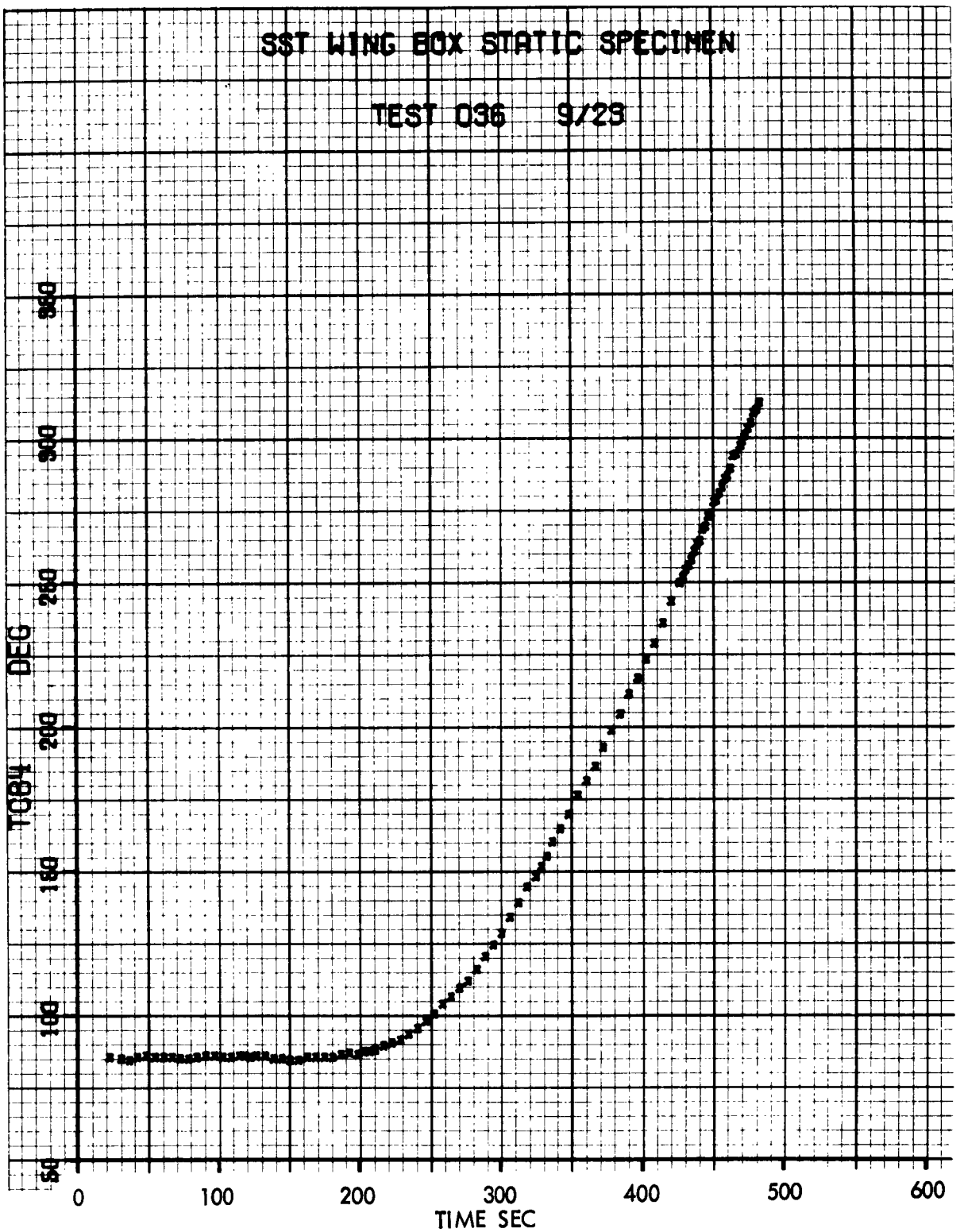
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
T084
DEG
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100
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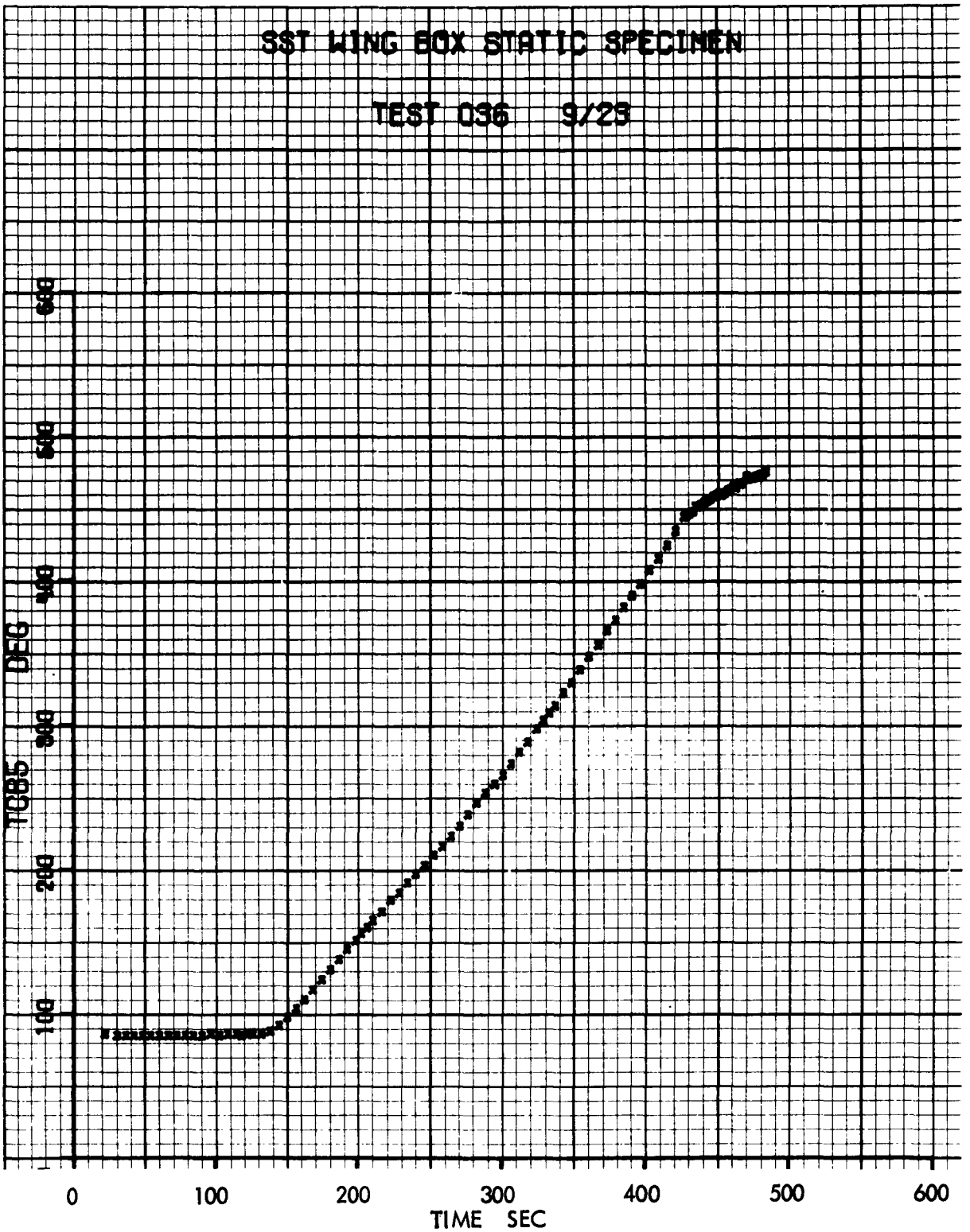
TIME SEC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TEST 036 9/23
TC85 DEG
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400
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200
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400
500
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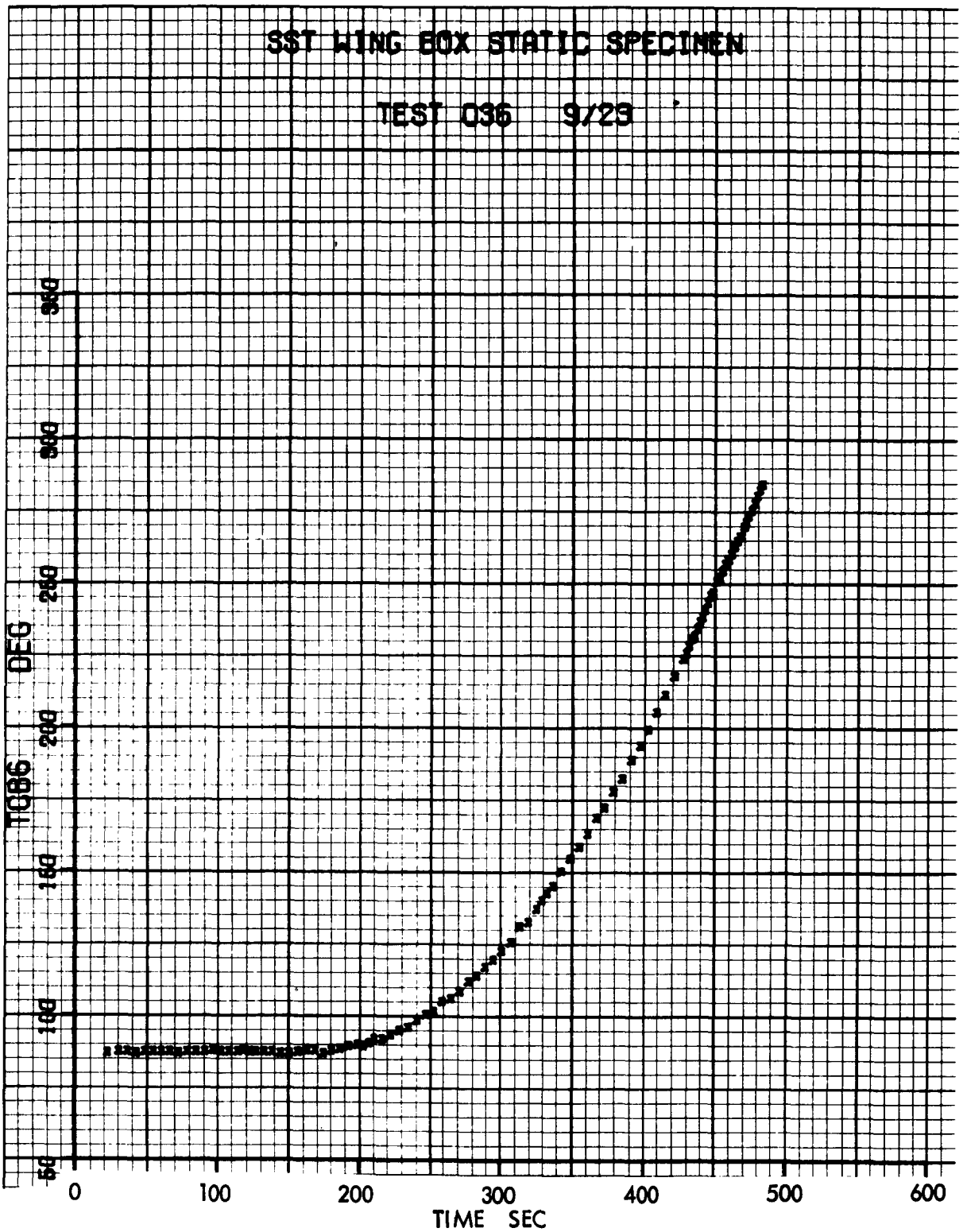
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC86 DEG
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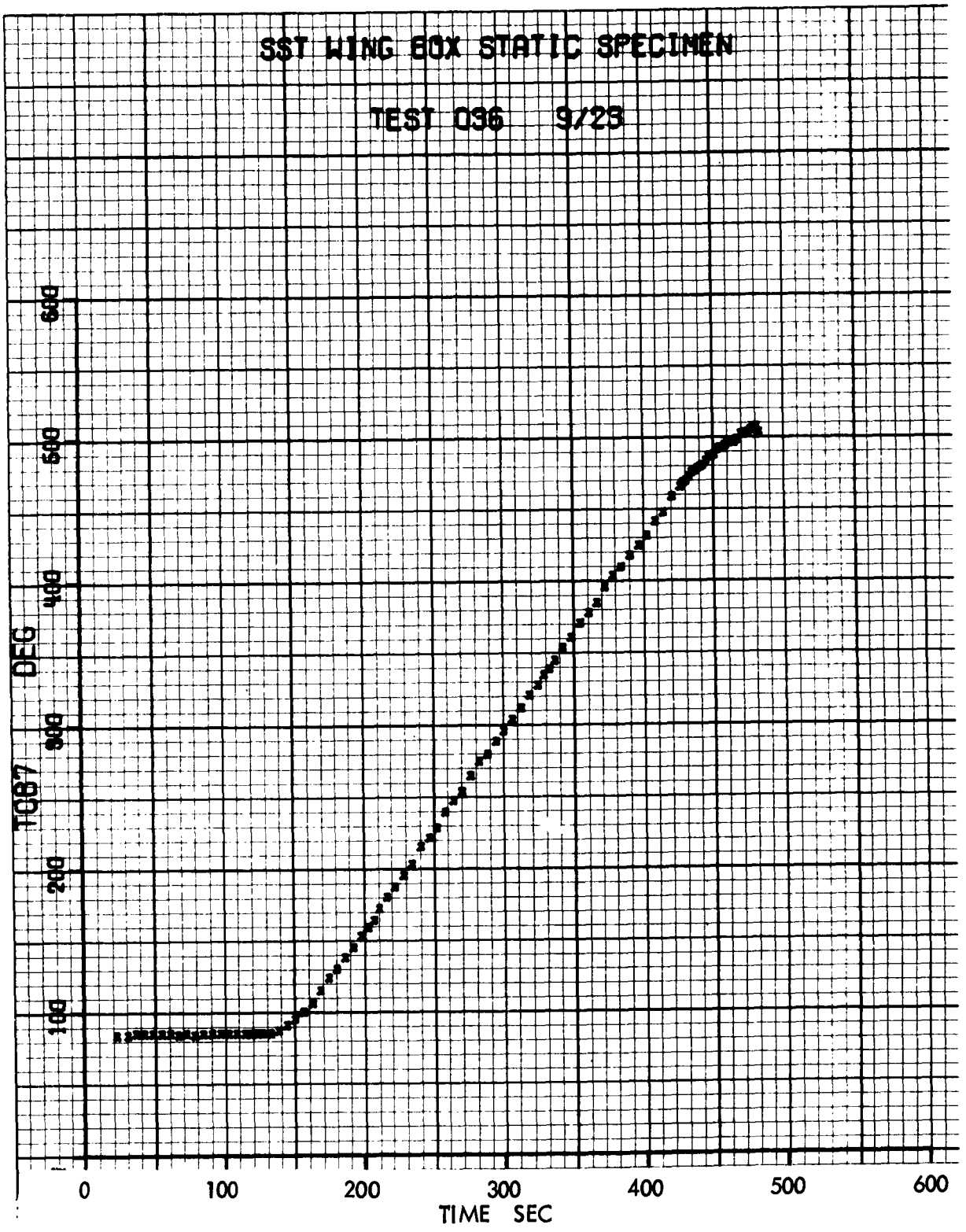
TIME SEC


SST WING BOX STATIC SPECIMEN
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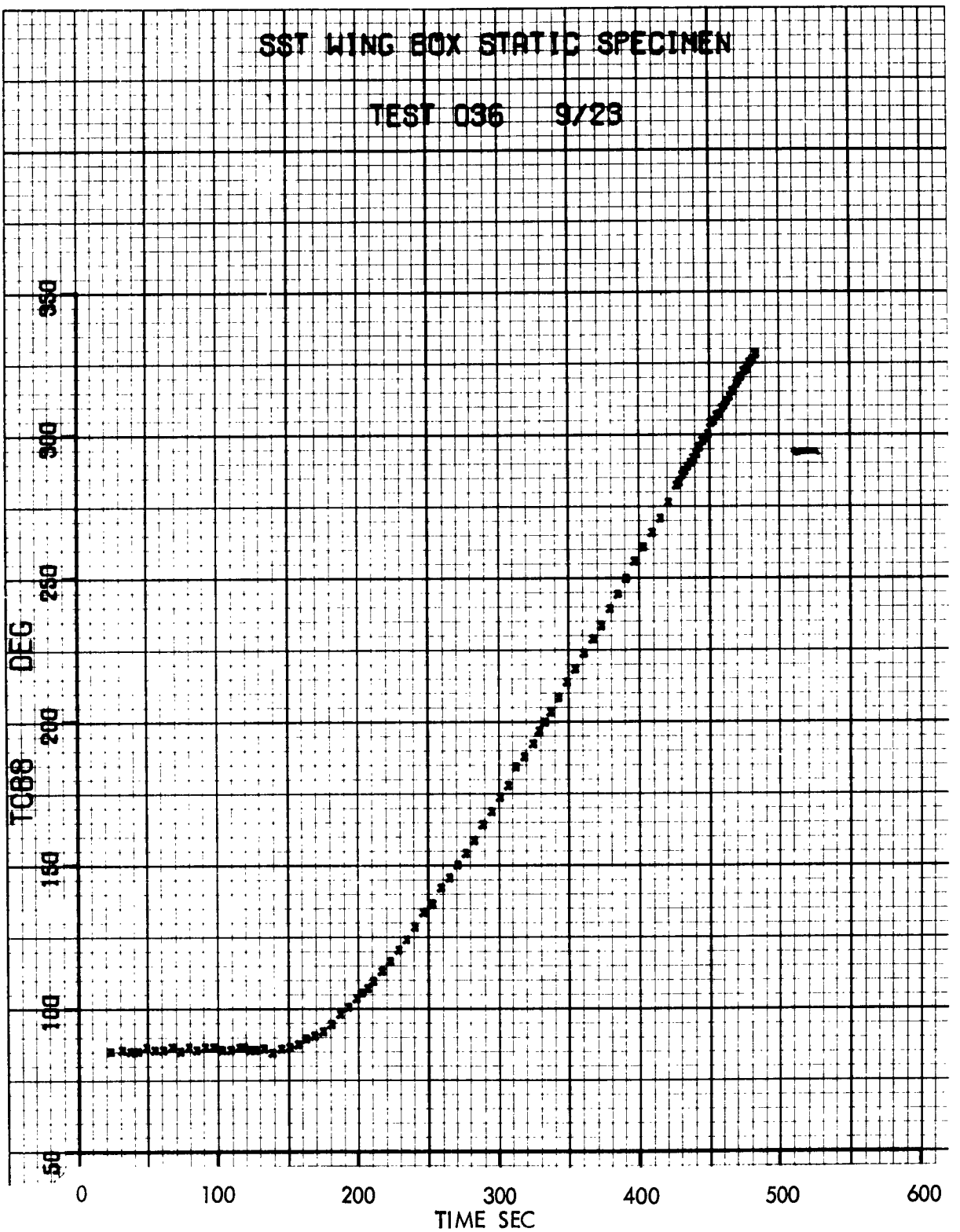
TIME SEC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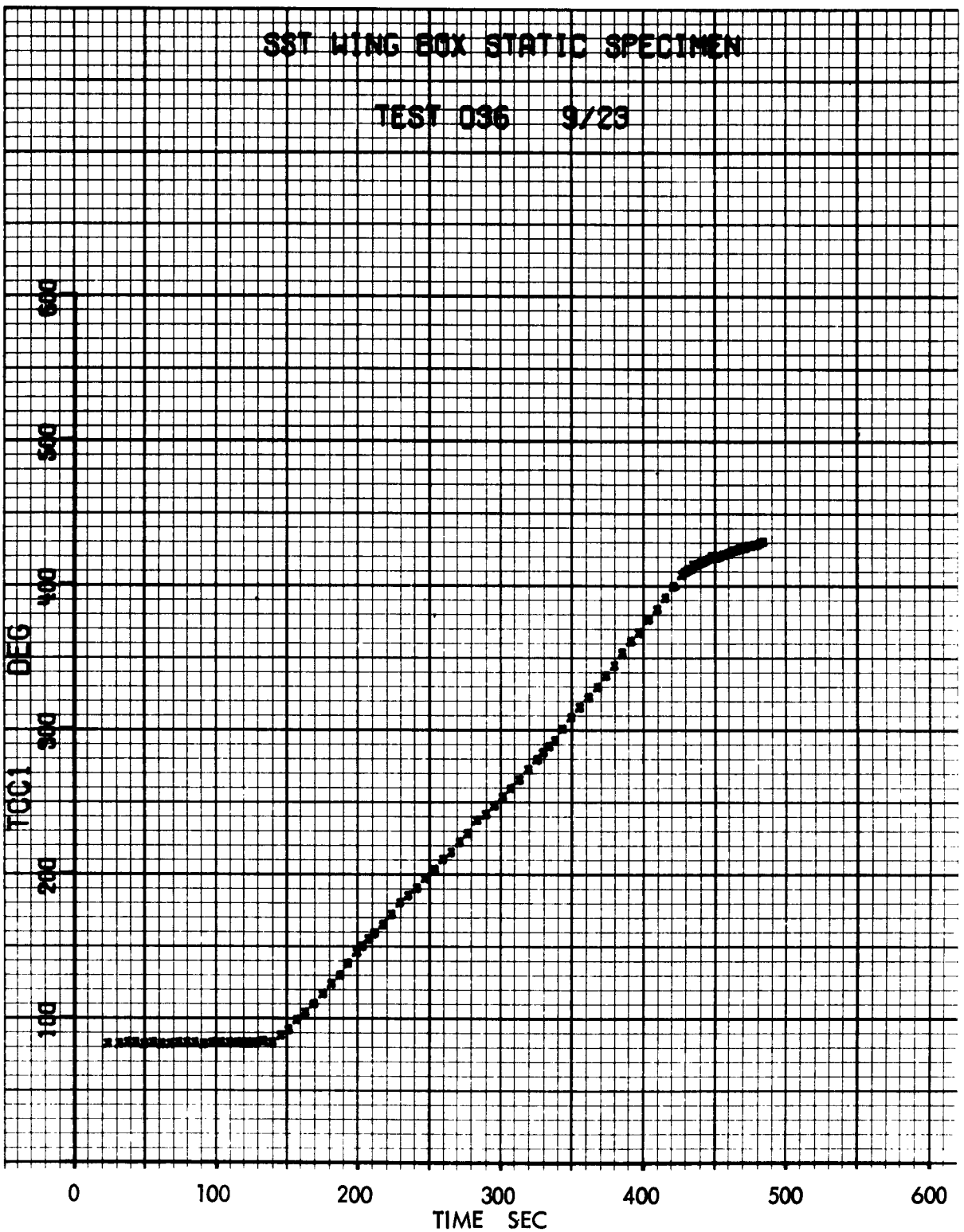
TIME SEC


SST WING BOX STATIC SPECIMEN
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TCC1 DEG
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500
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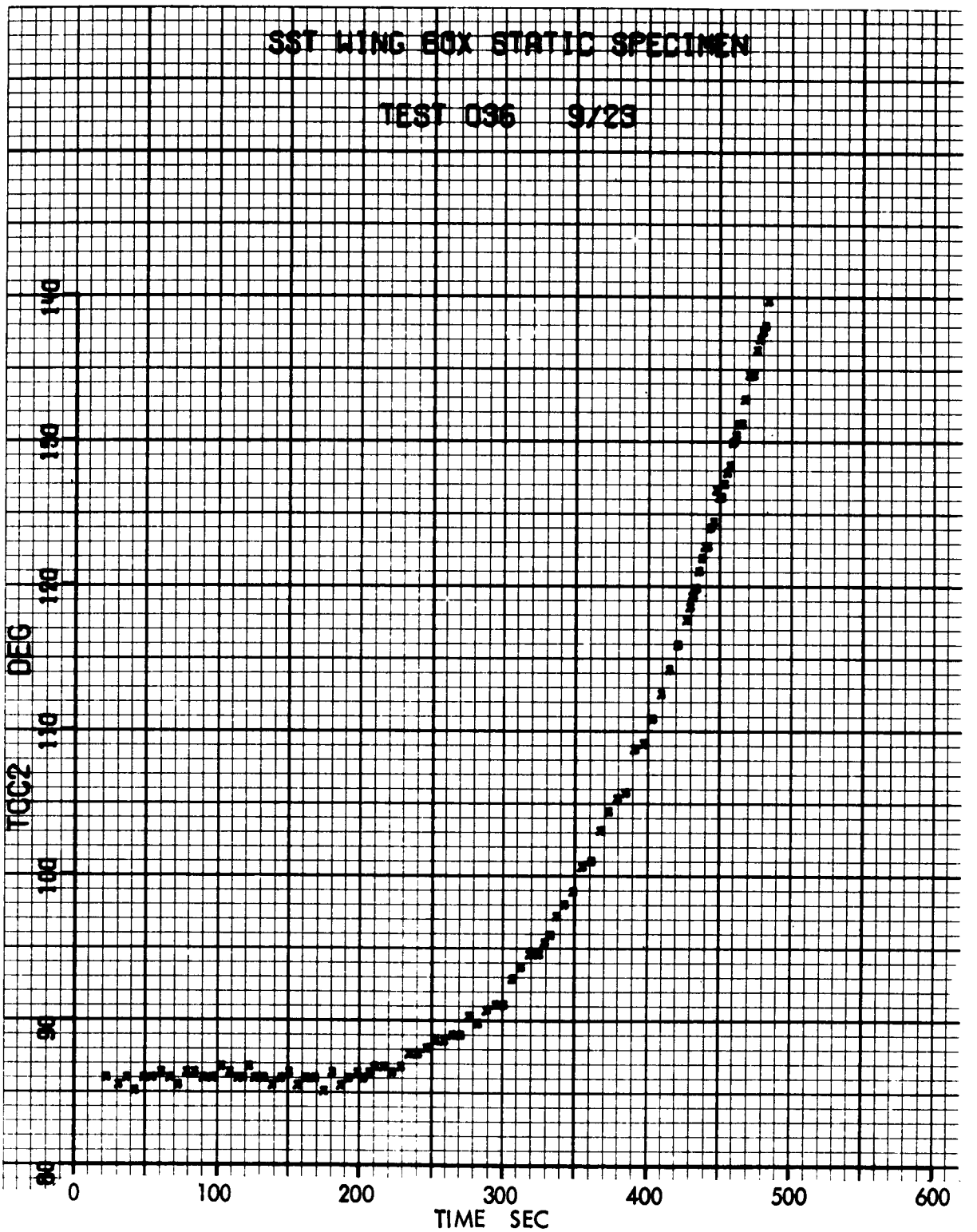
TIME SEC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116
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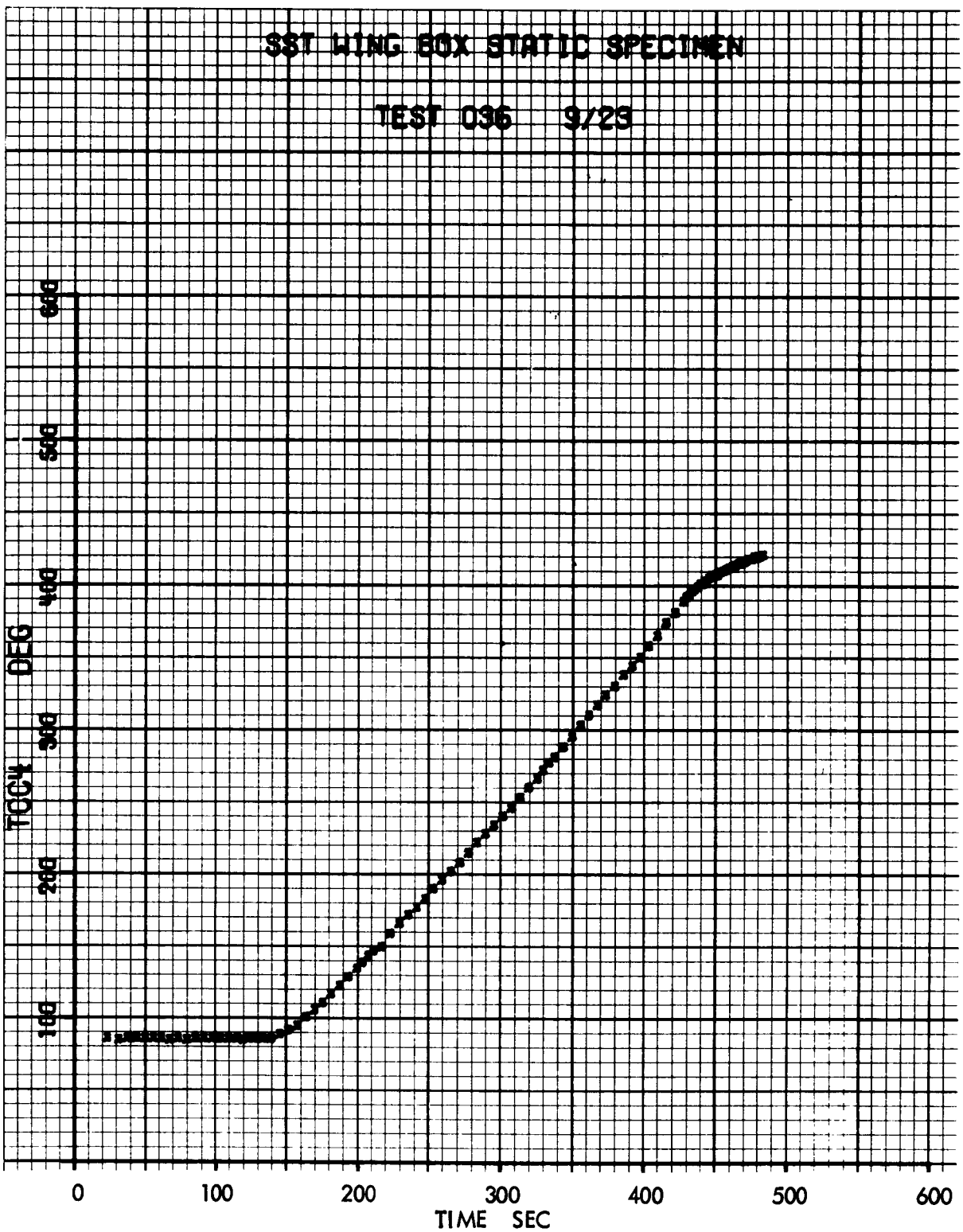
600
TIME SEC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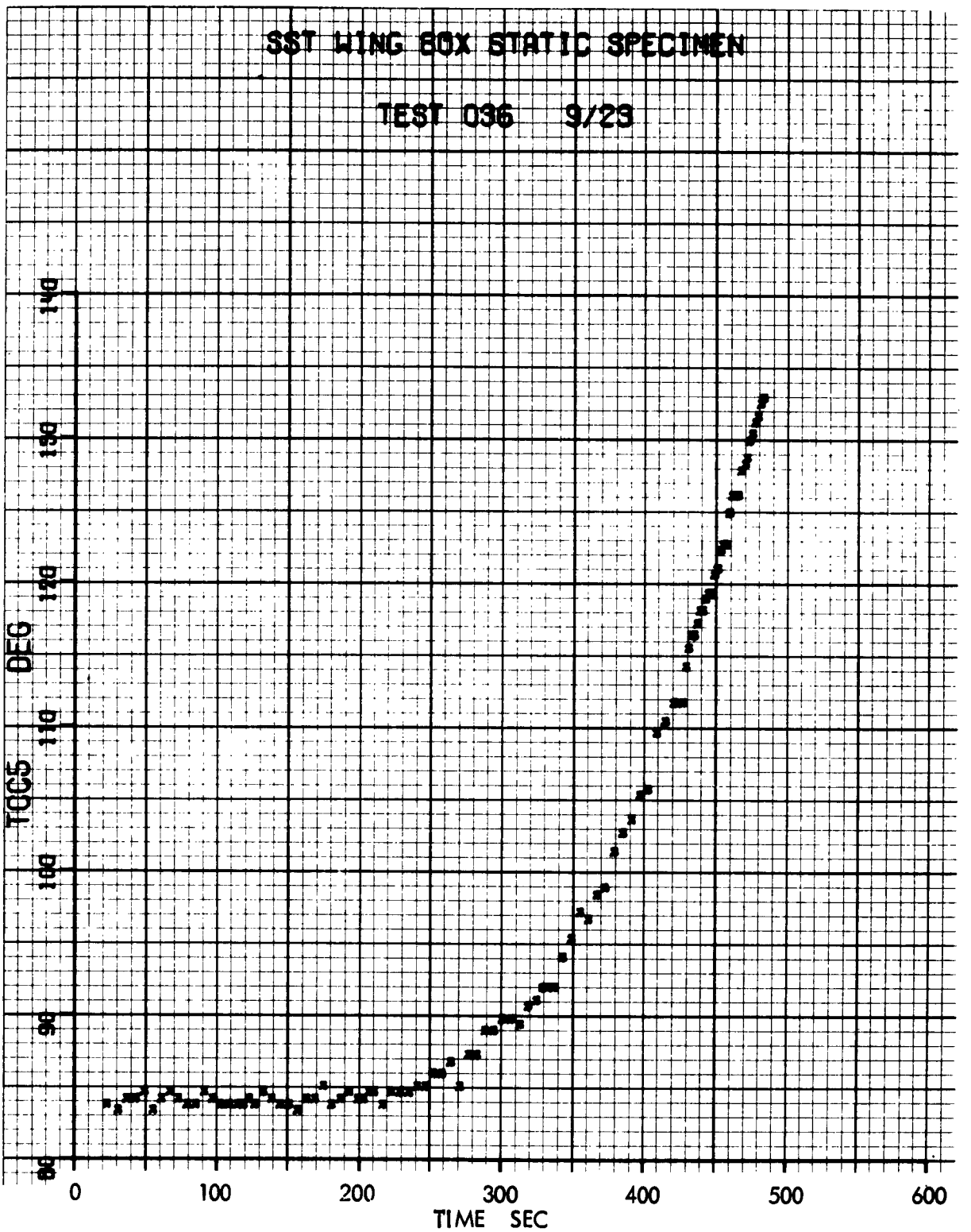
TIME SEC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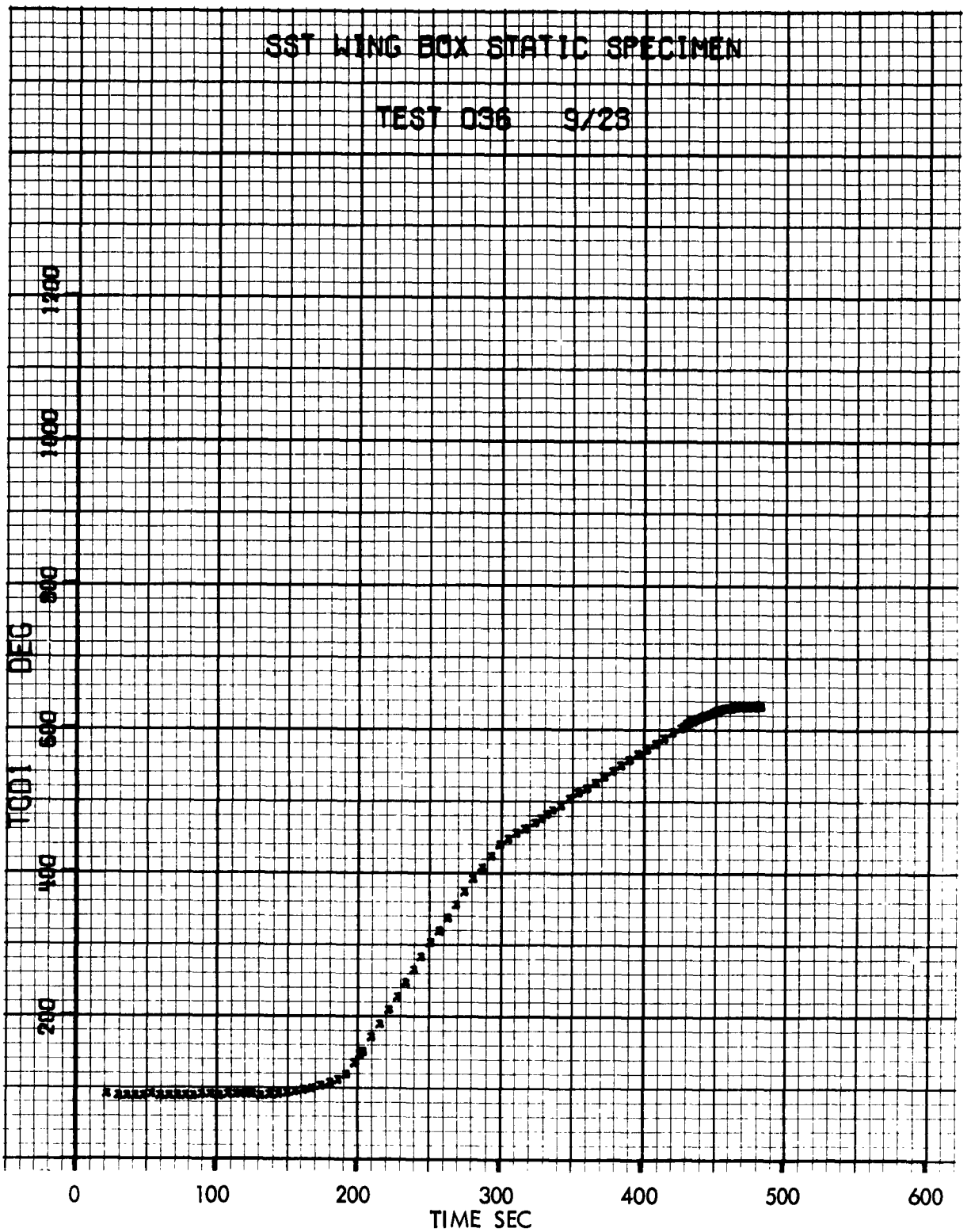
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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TC01 DEG
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600
800
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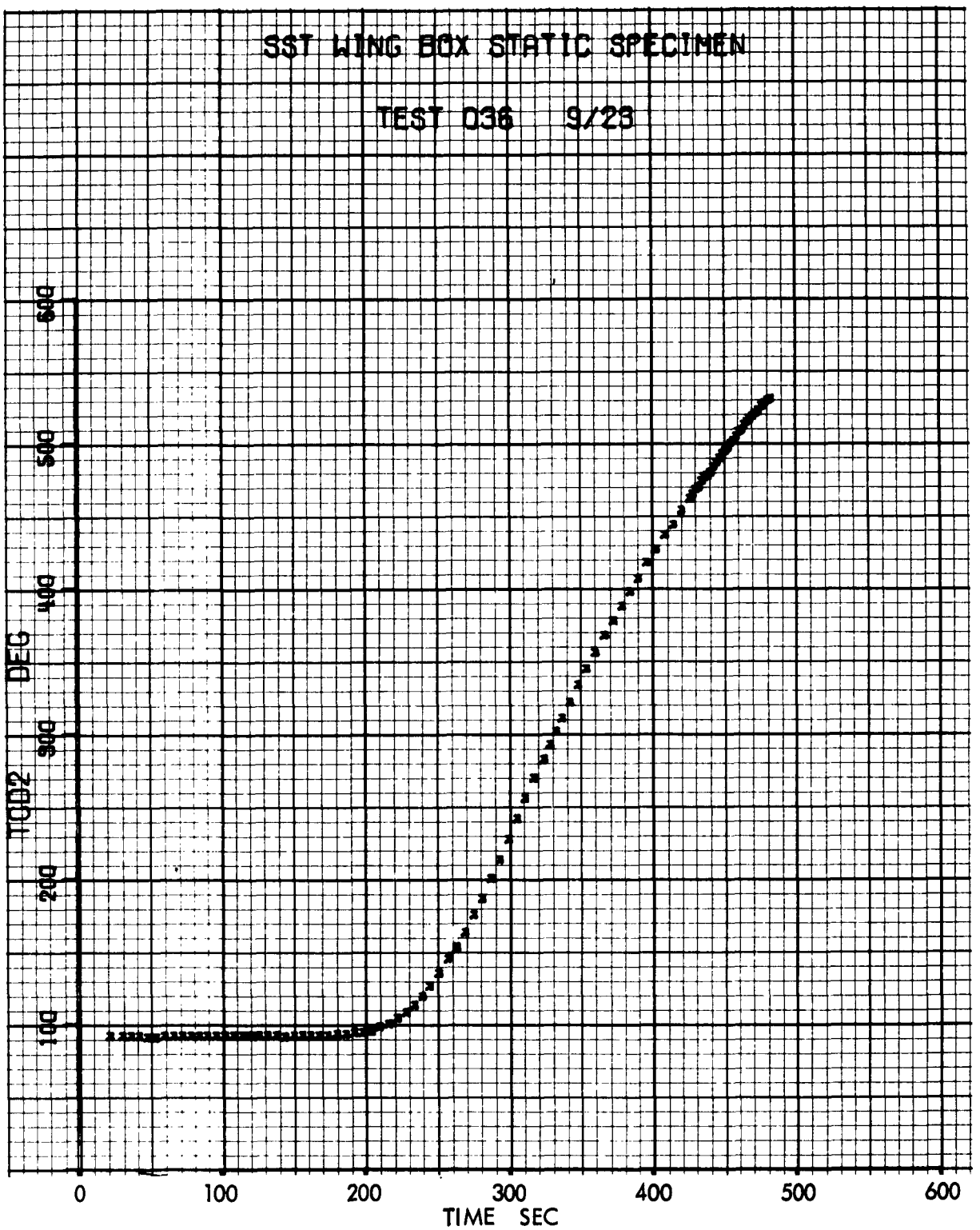
300
400
500
600
TIME SEC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T0002 DEG
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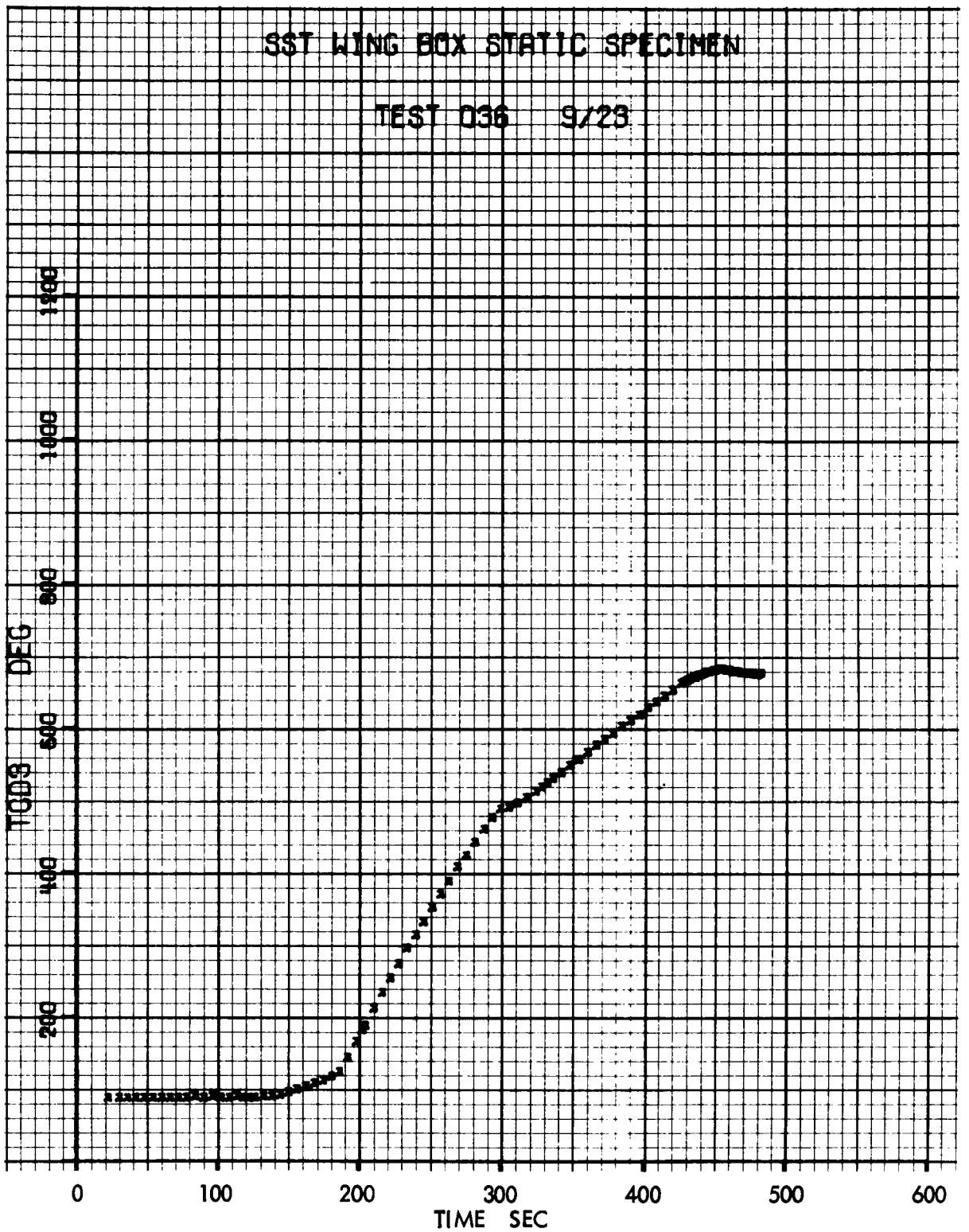
TIME SEC


SST WING BOX STATIC SPECIMEN
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T0008 DEG
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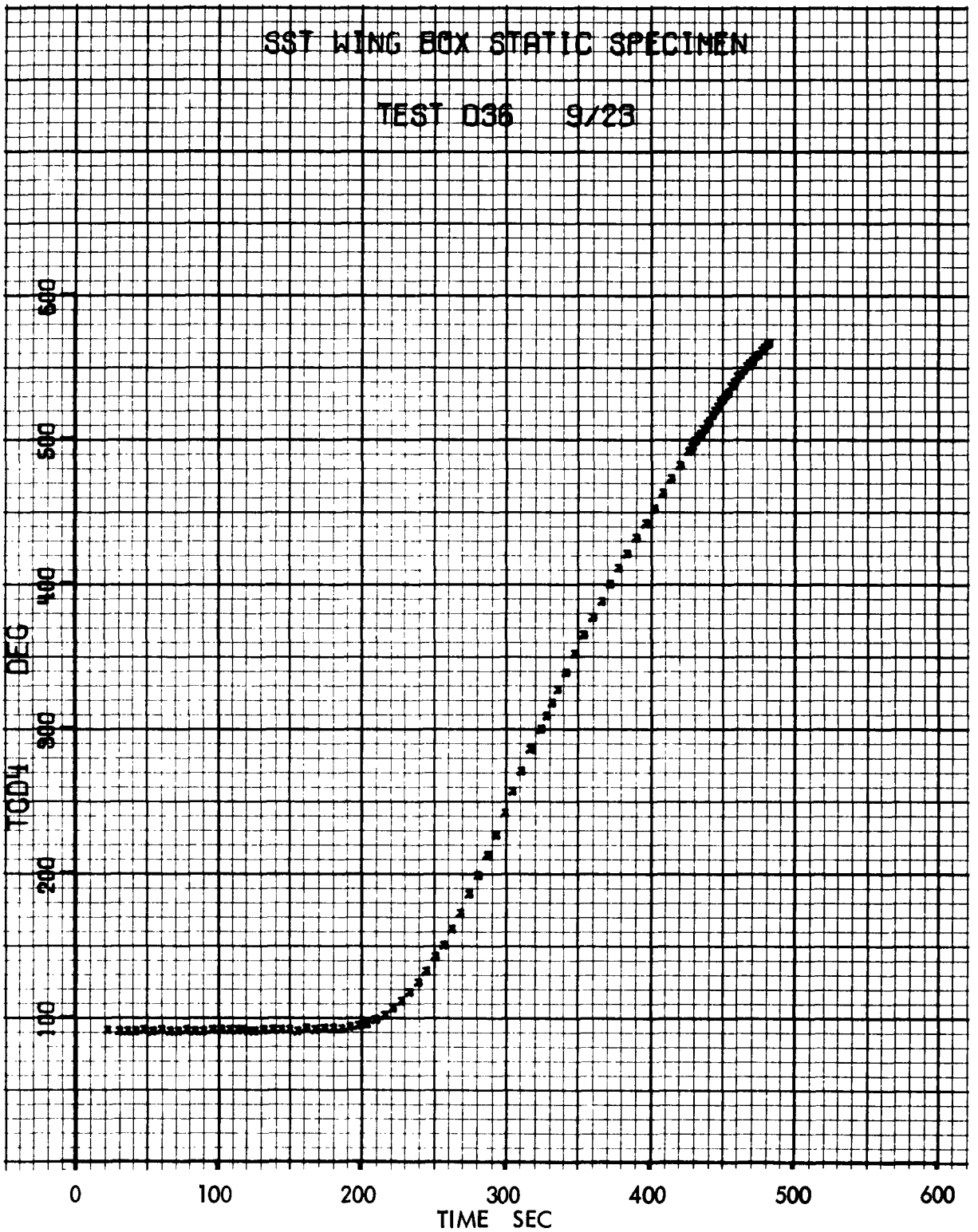
TIME SEC


SST WING BOX STATIC SPECIMEN
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TC04 DEG
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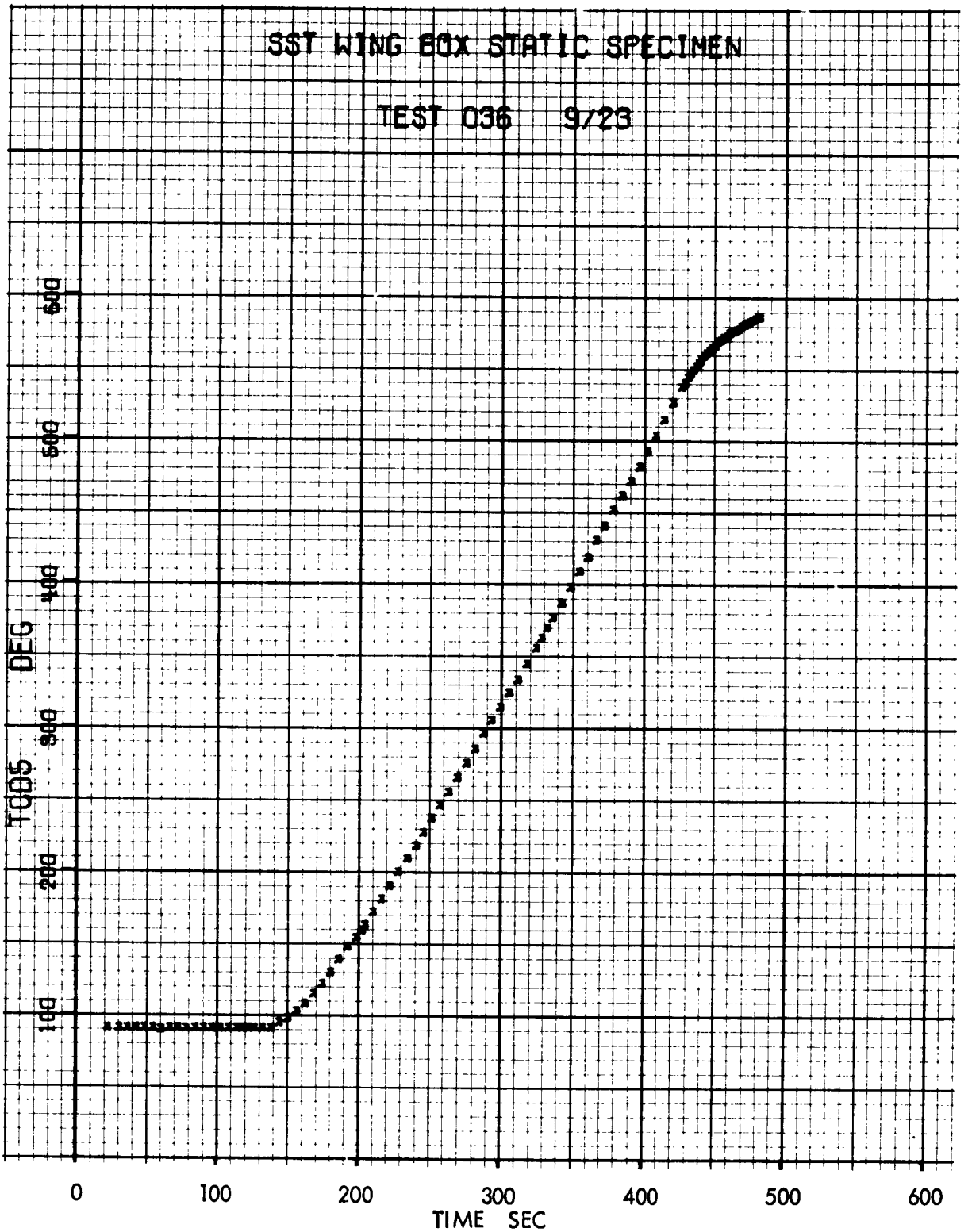
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TCD5 DEG
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200
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200
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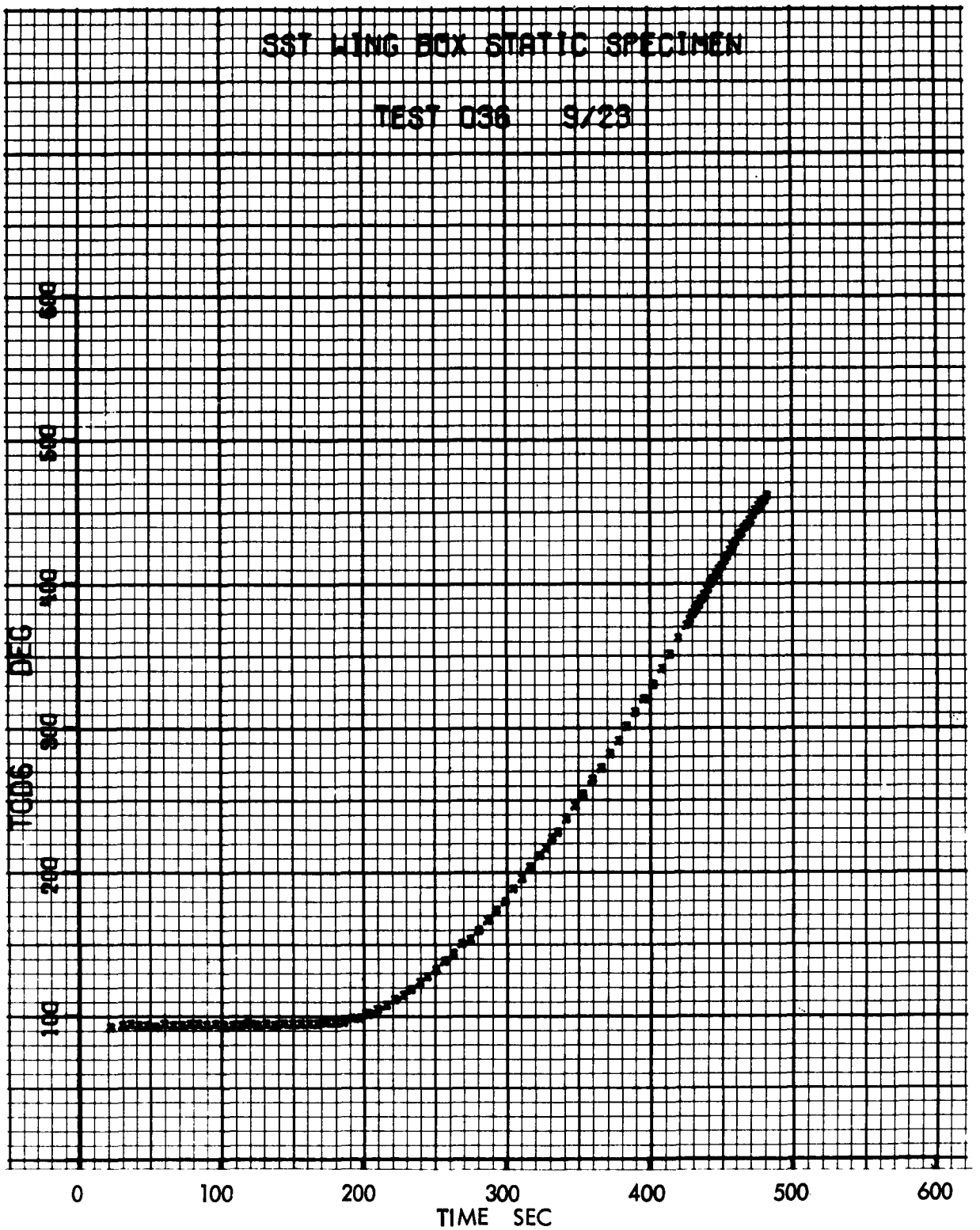
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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DEG
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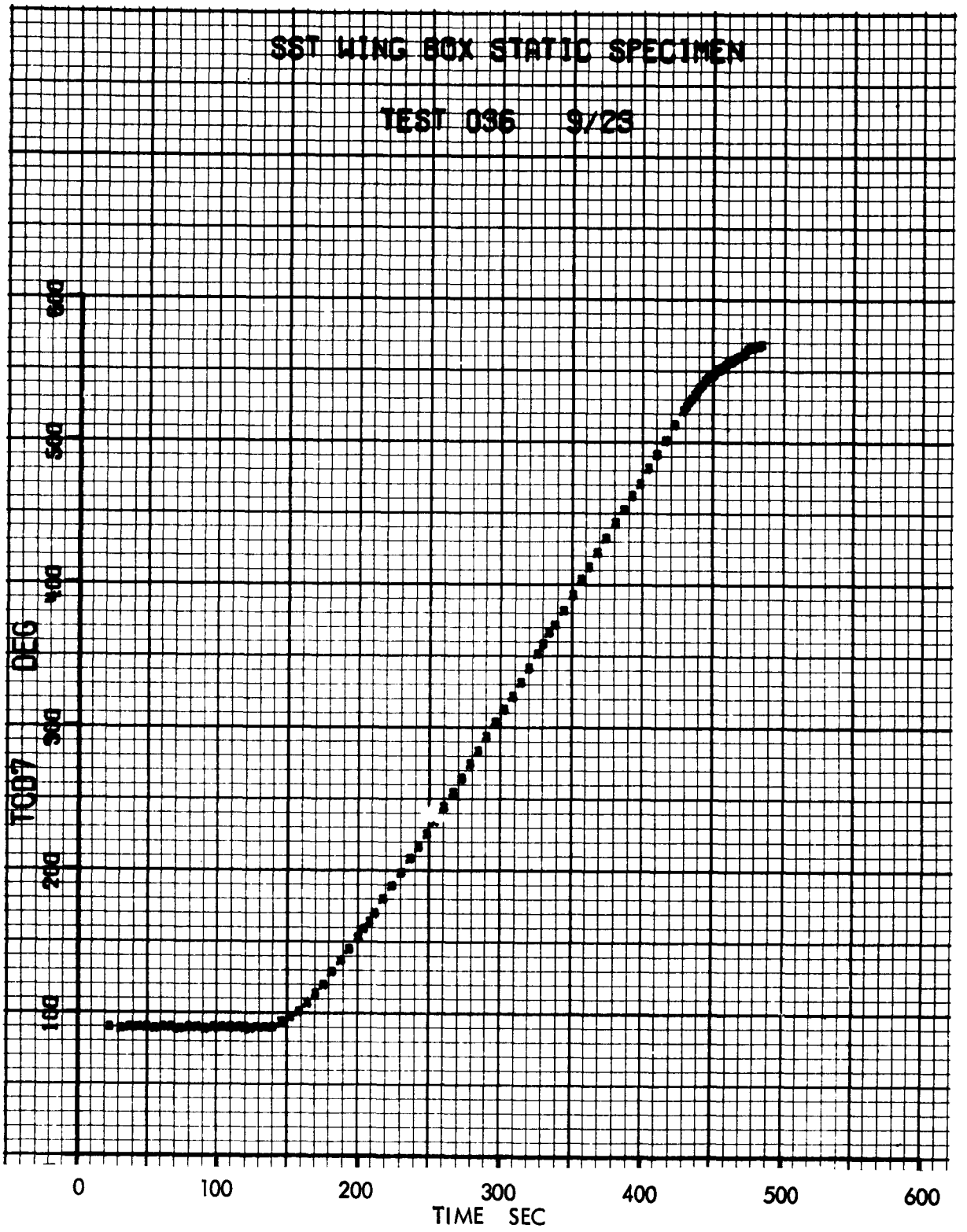
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC07 DEG
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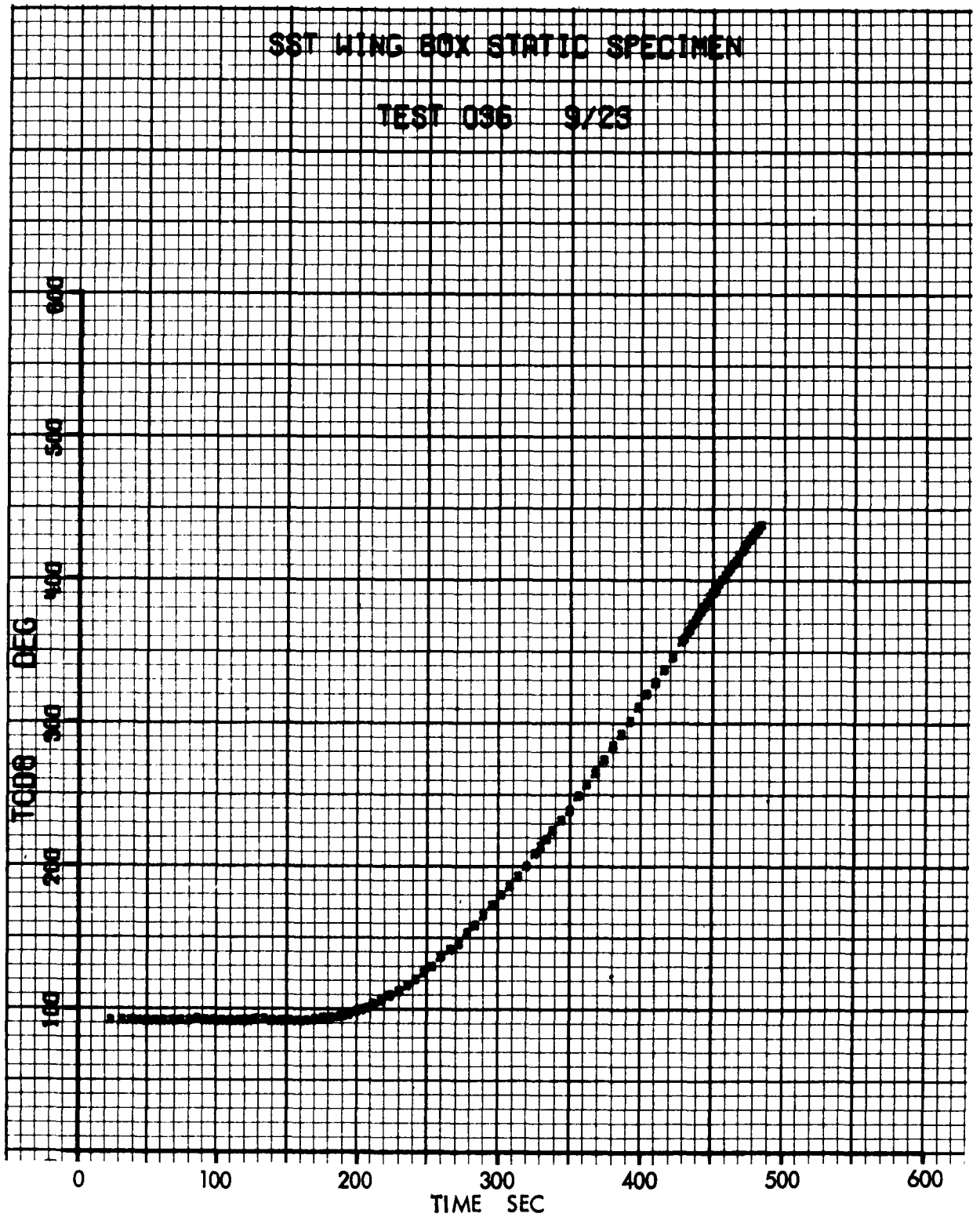
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/25
TCDB DEG
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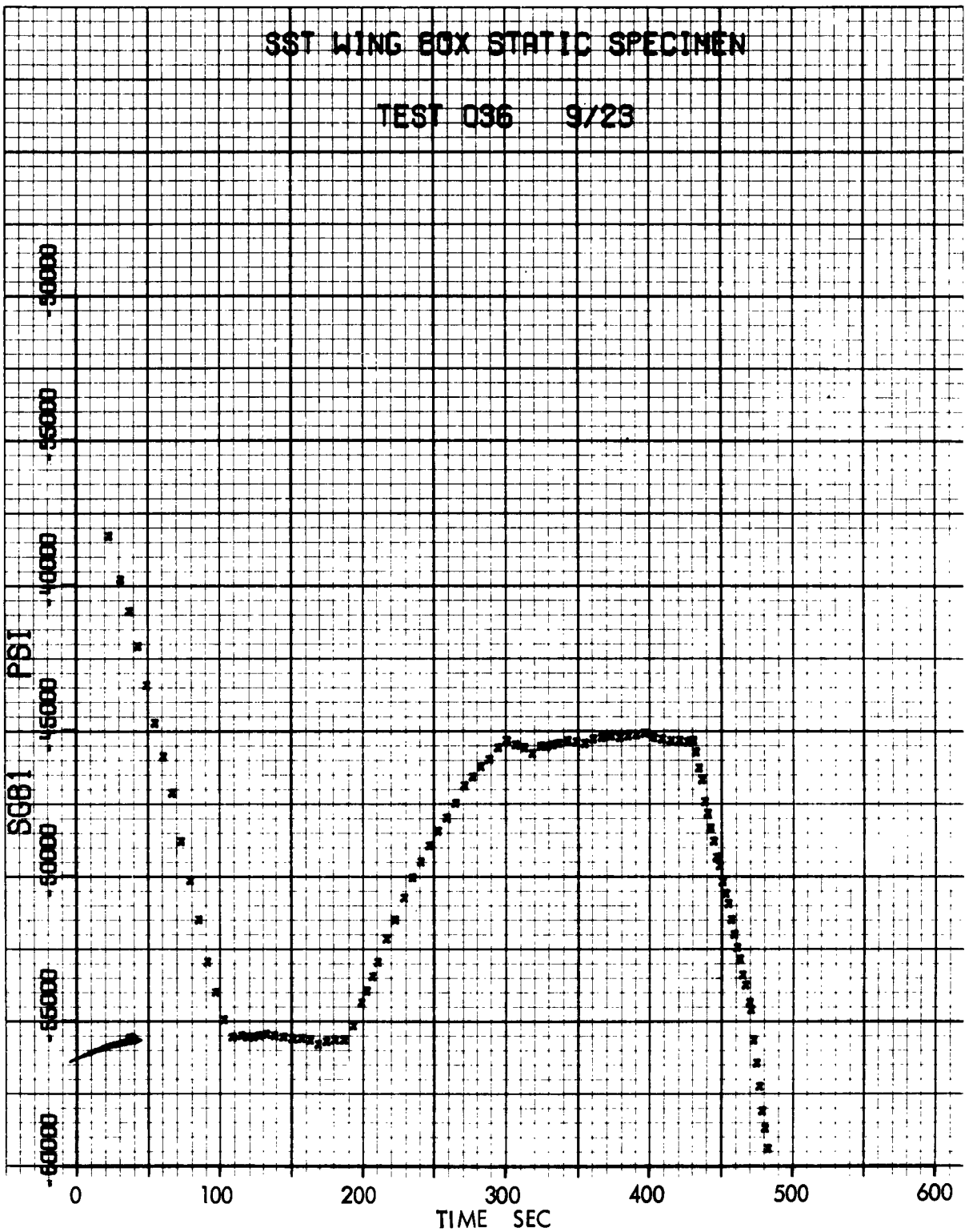
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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PSI
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-8000
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-6000
-5000
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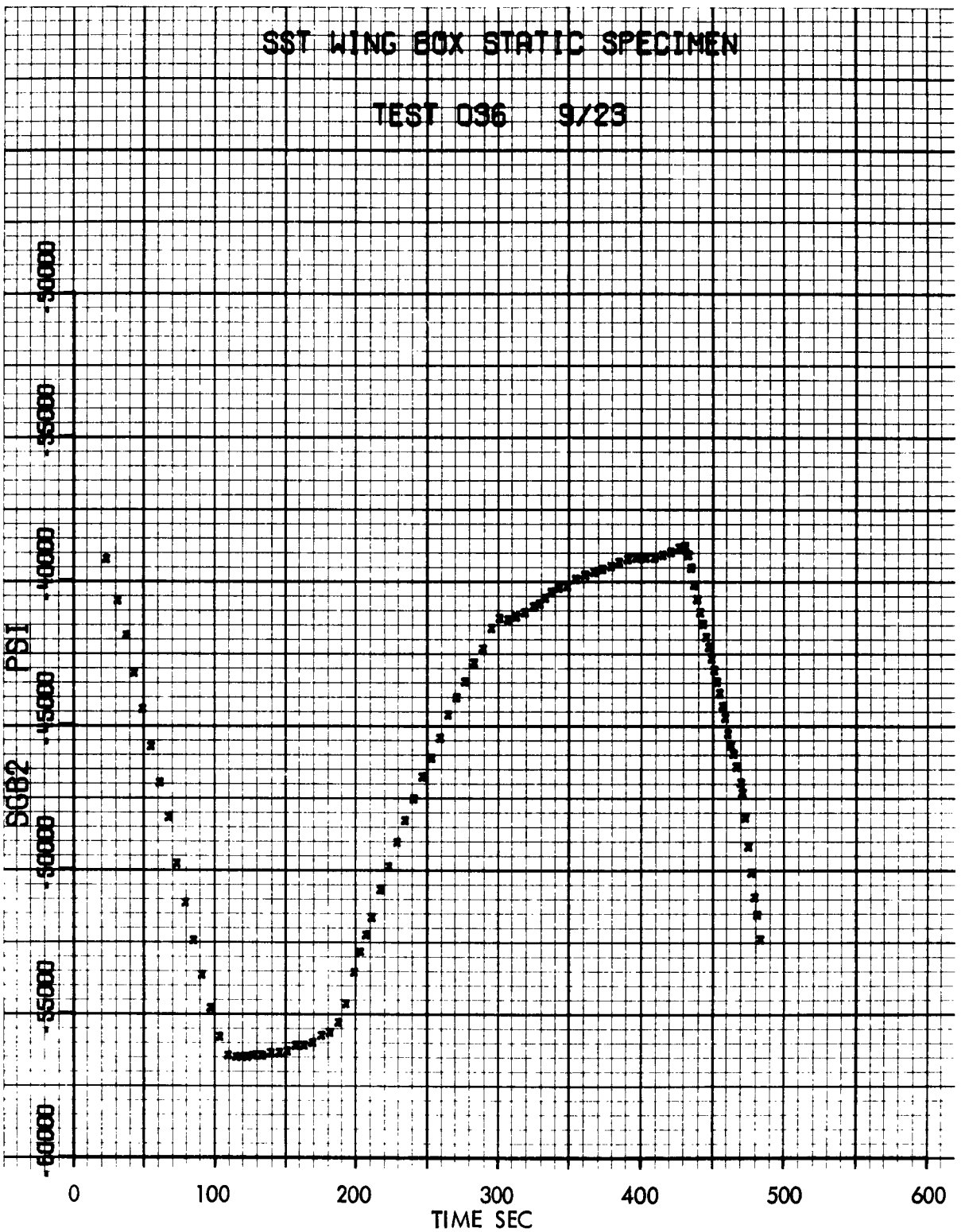
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB2 PSI
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-50000
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-60000
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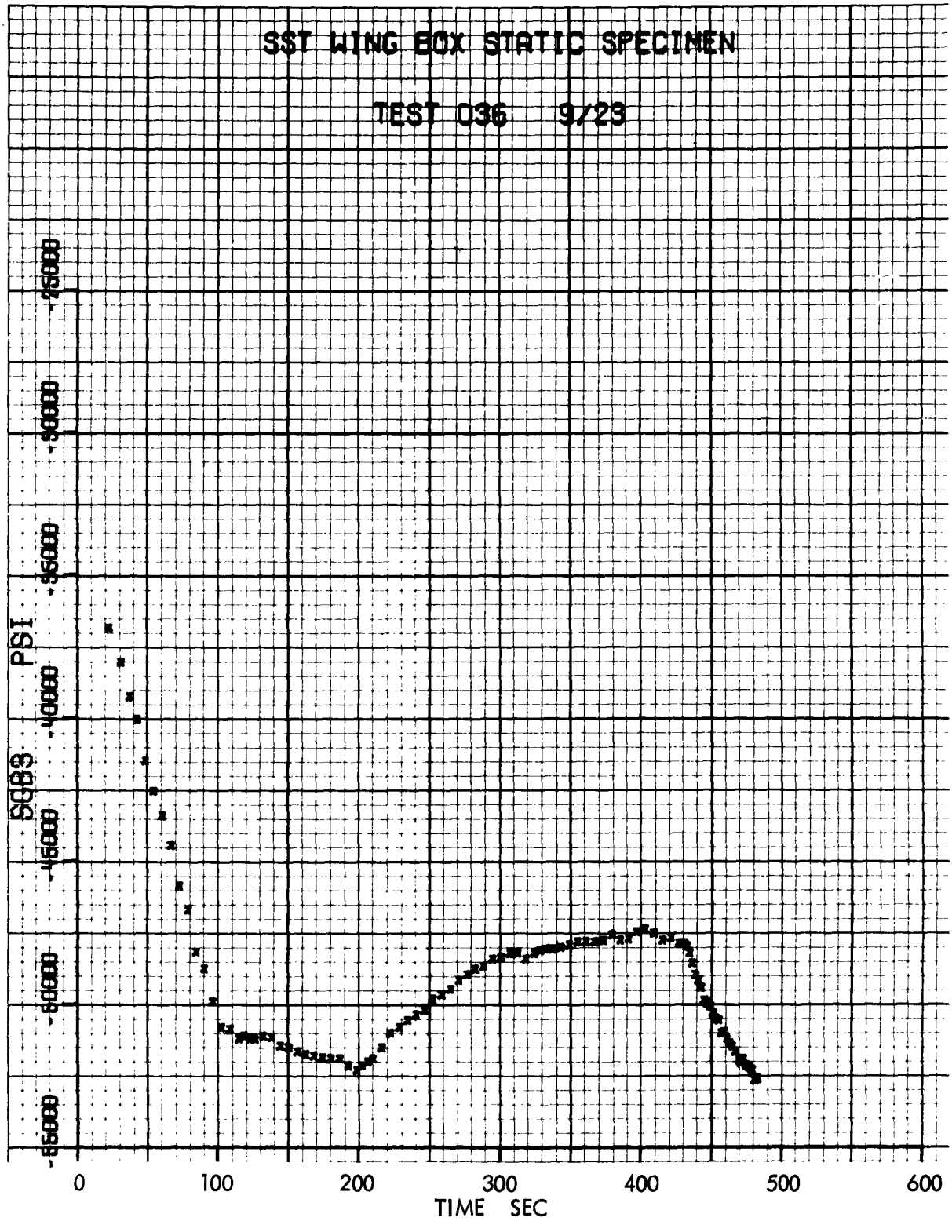
300
400
500
600
TIME SEC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TEST 036 9/23
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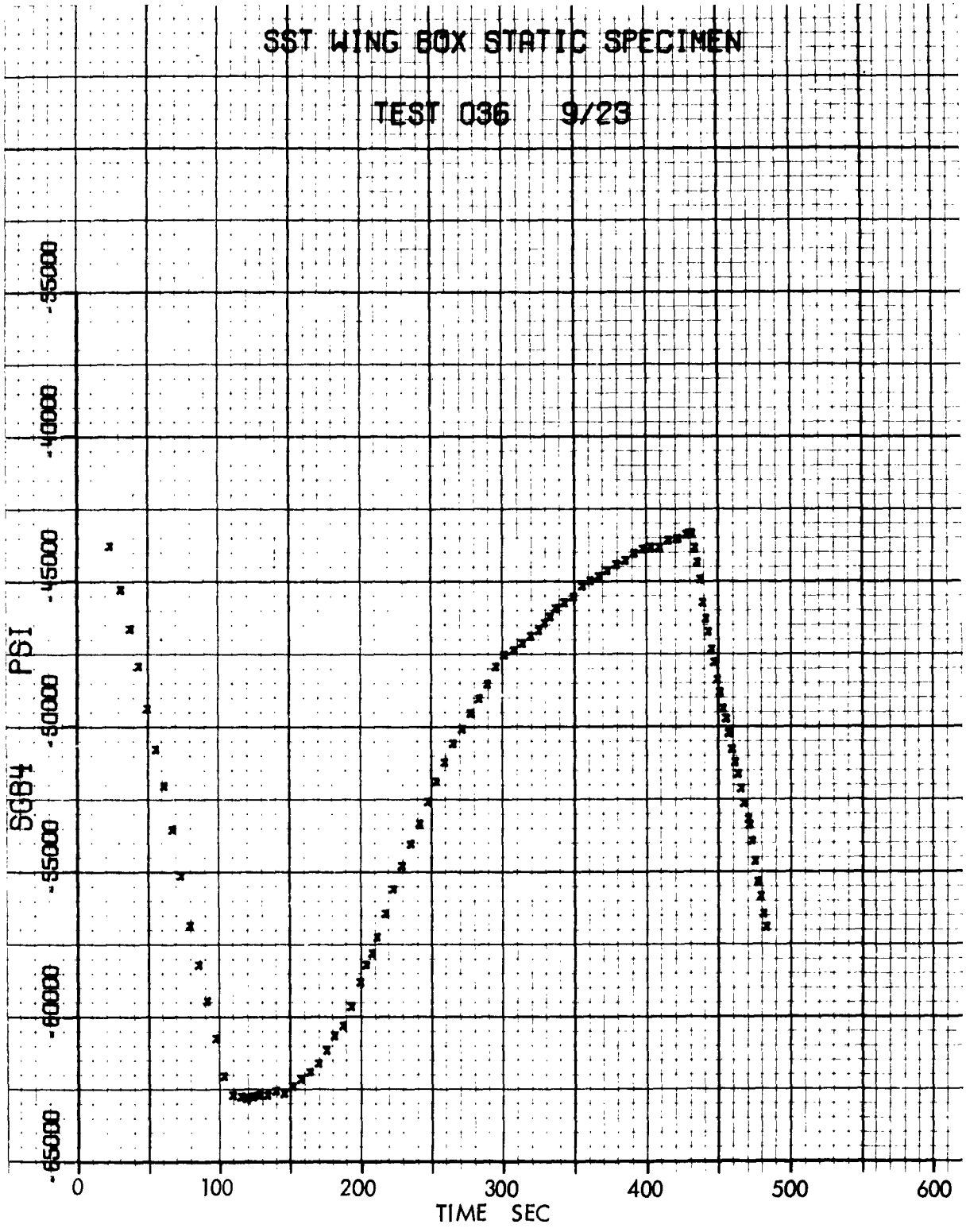
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB4 PSI
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-65000
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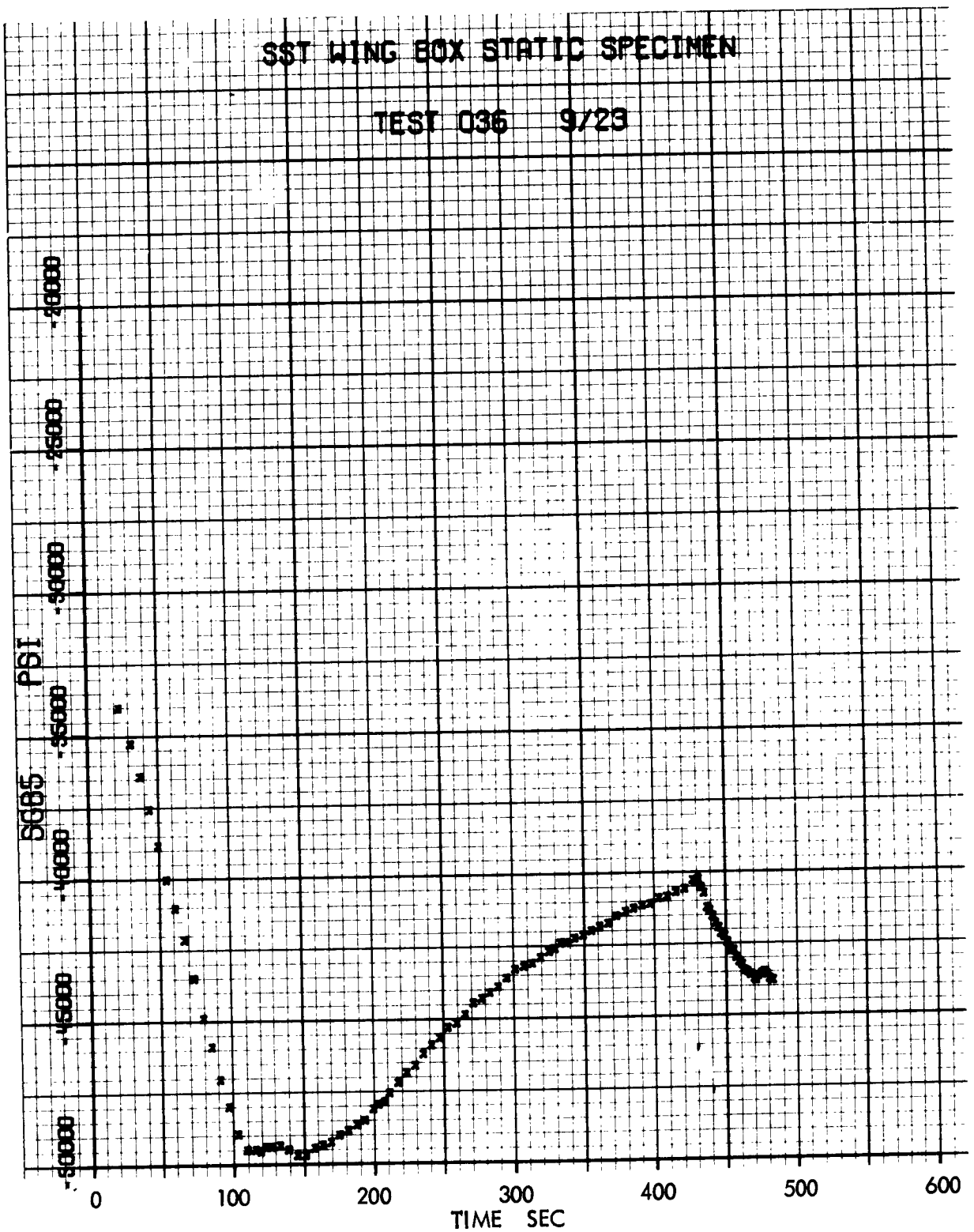
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
6685 PSI
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+45000
+50000
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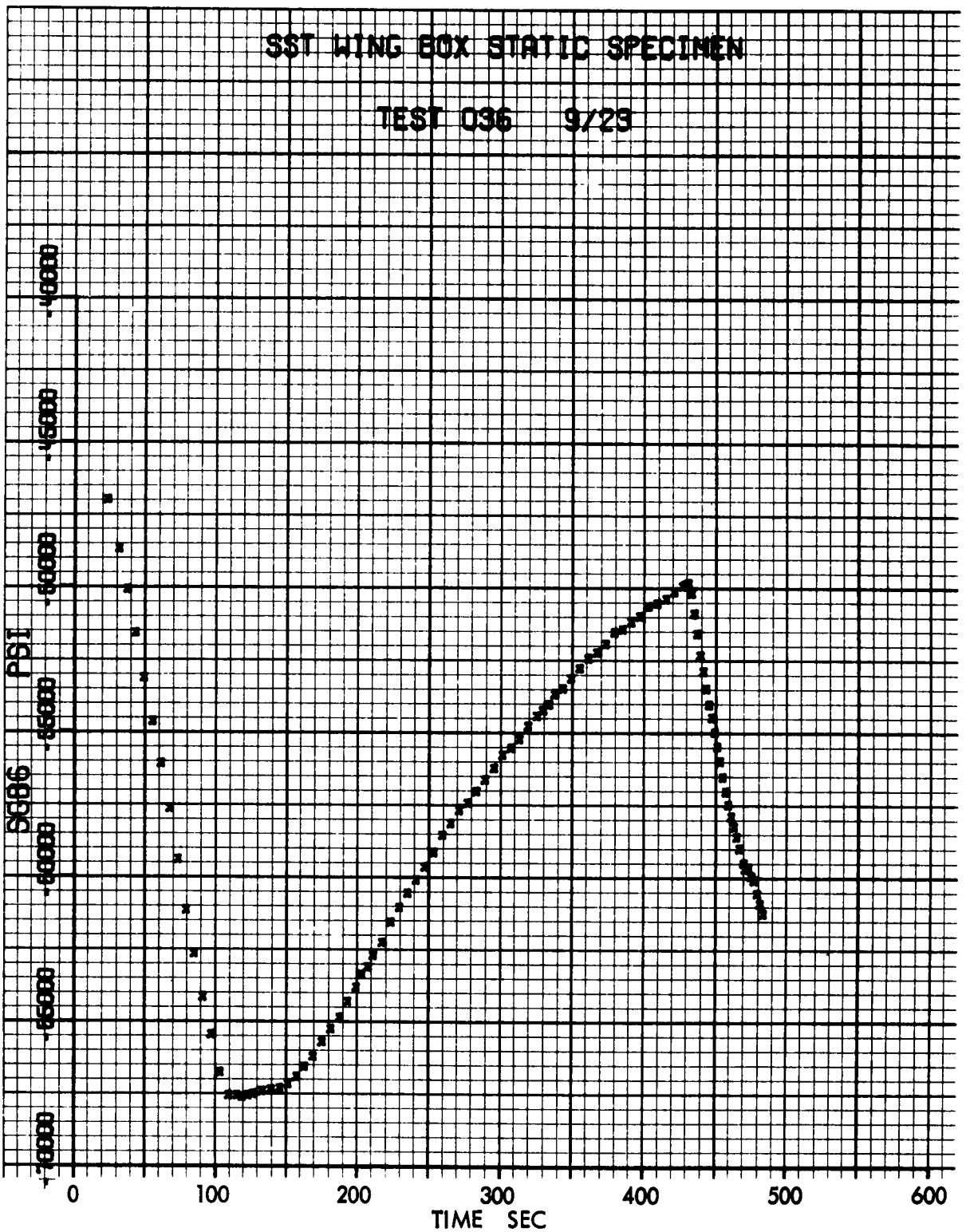
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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16000
18000
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300
400
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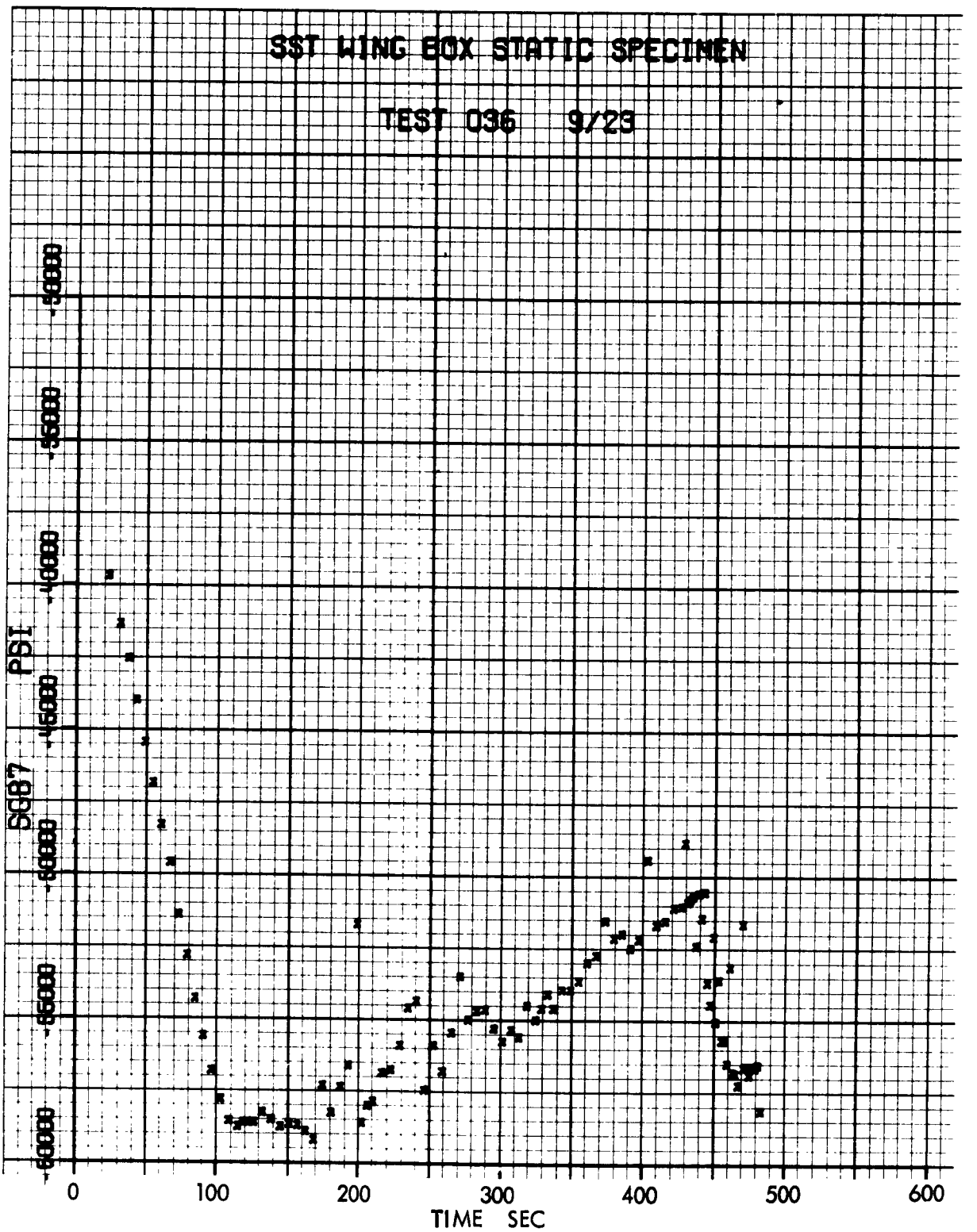
TIME SEC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SG87 PSI
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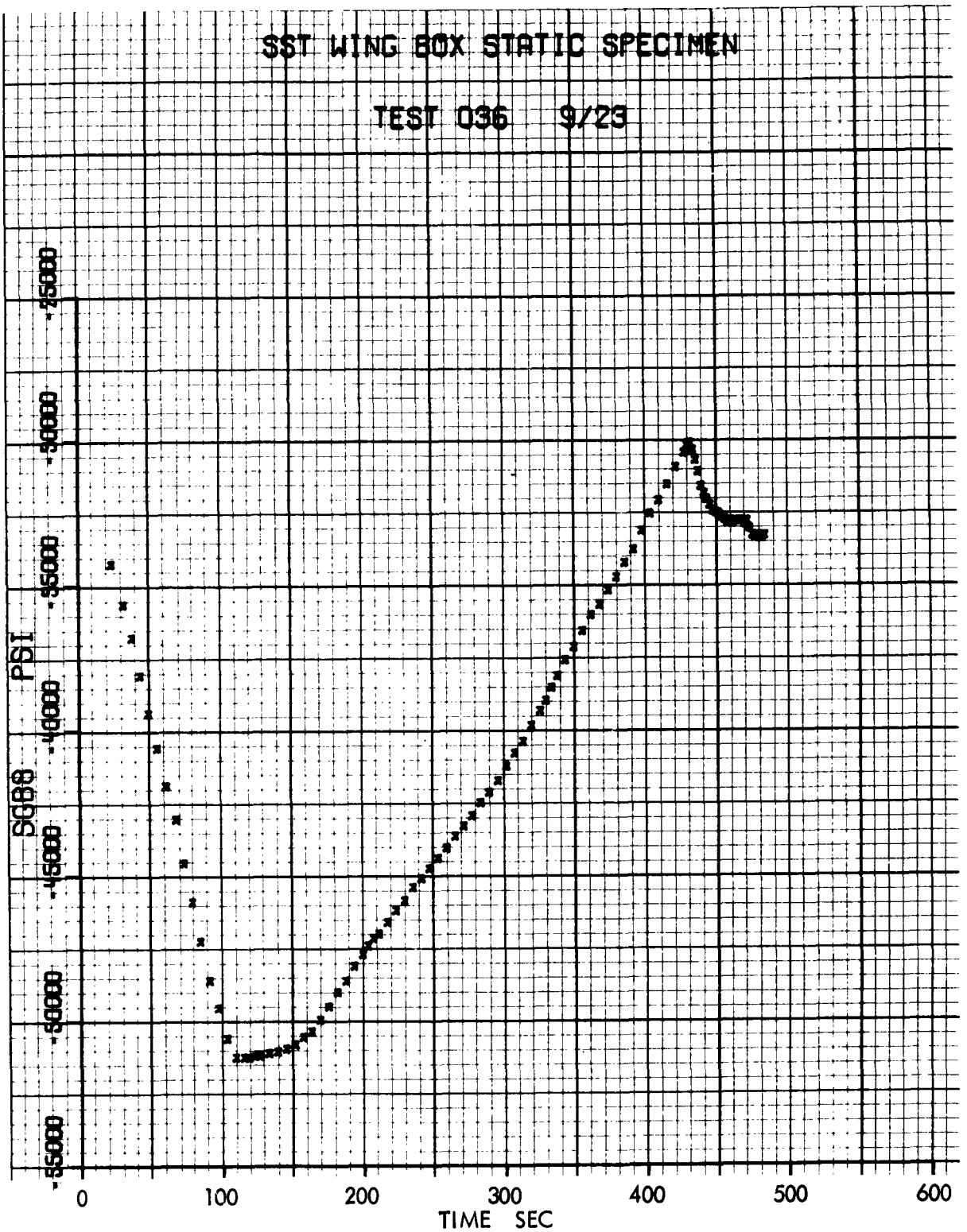
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG88
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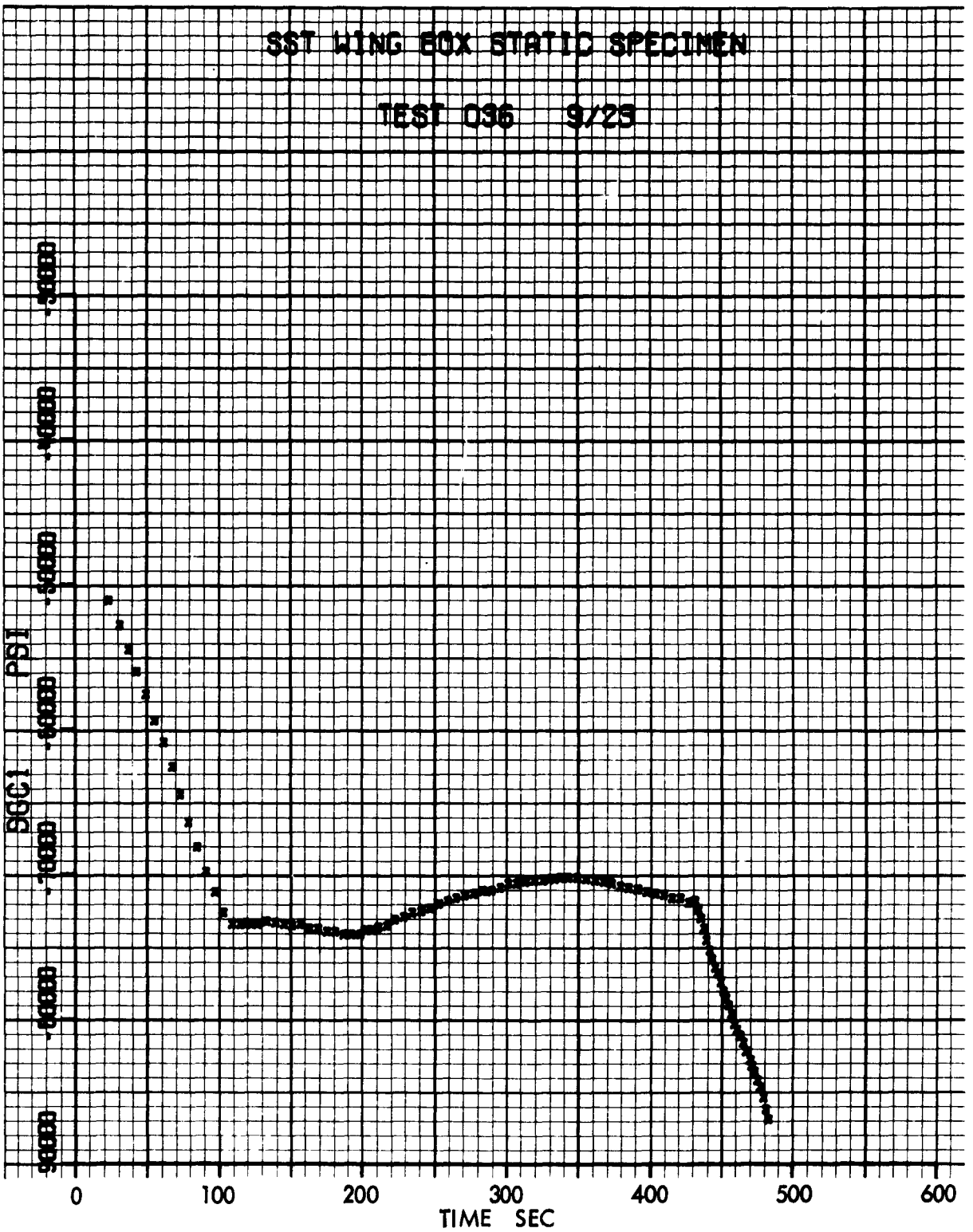
600
TIME SEC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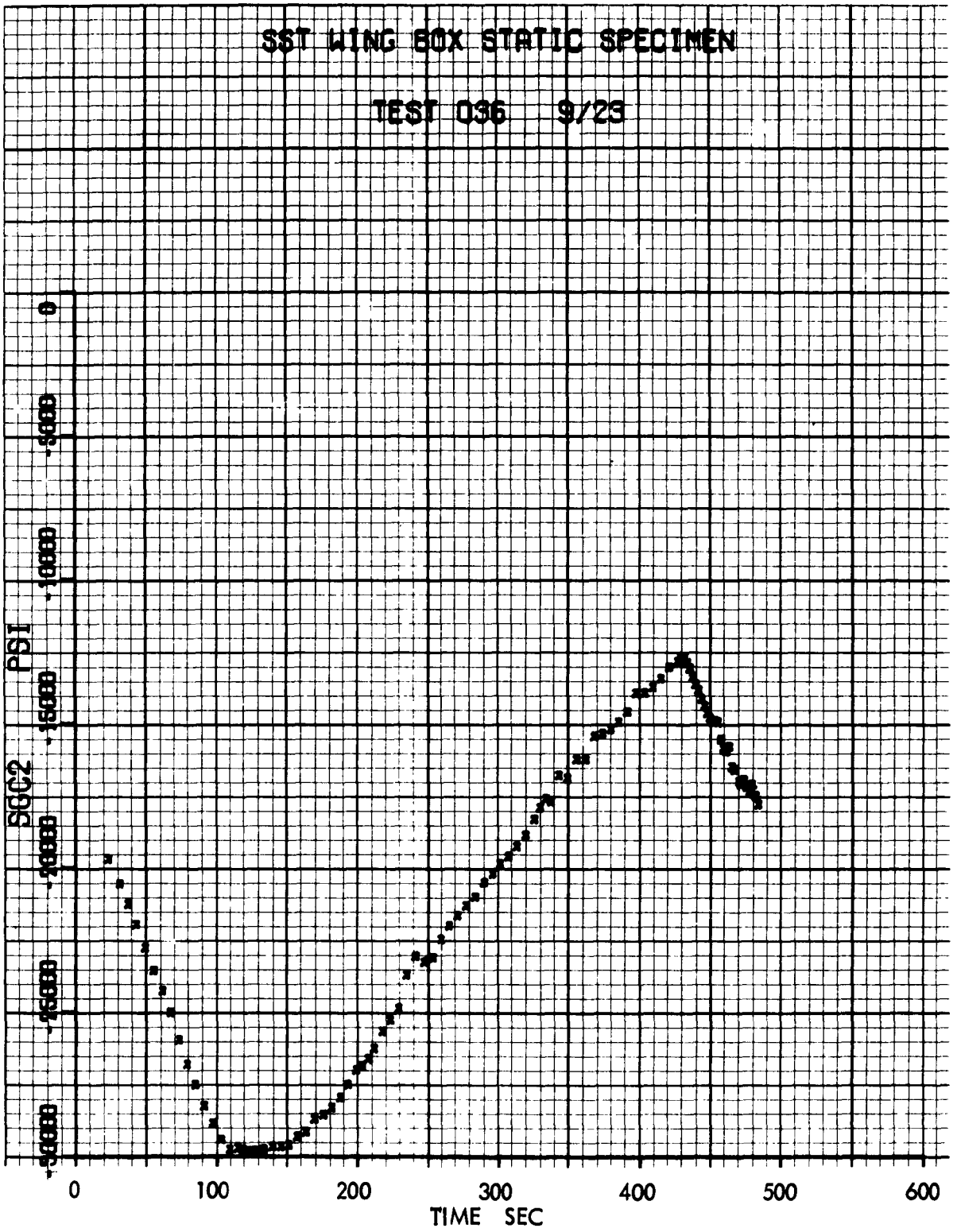
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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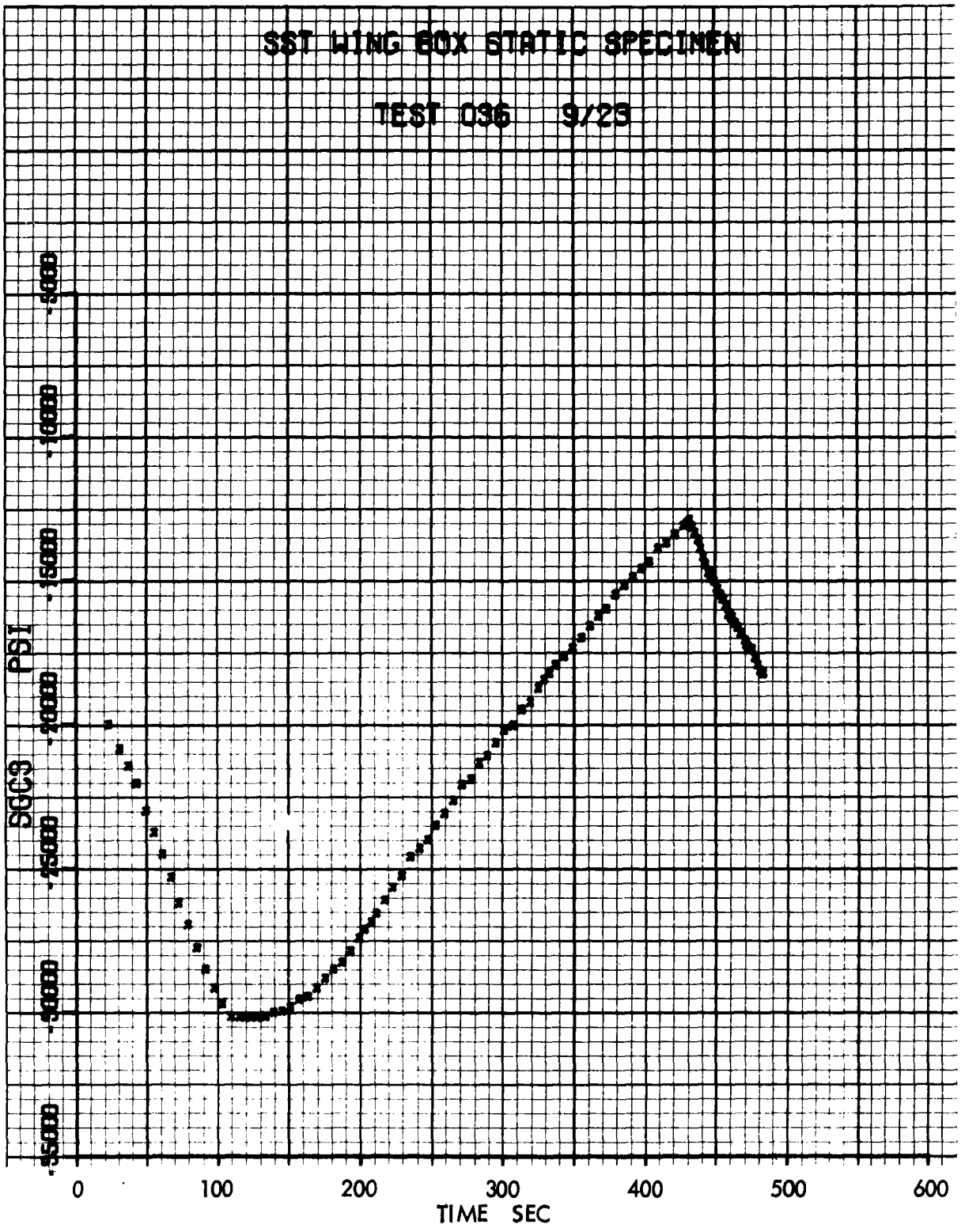
TIME SEC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TEST 036 9/23
SG63
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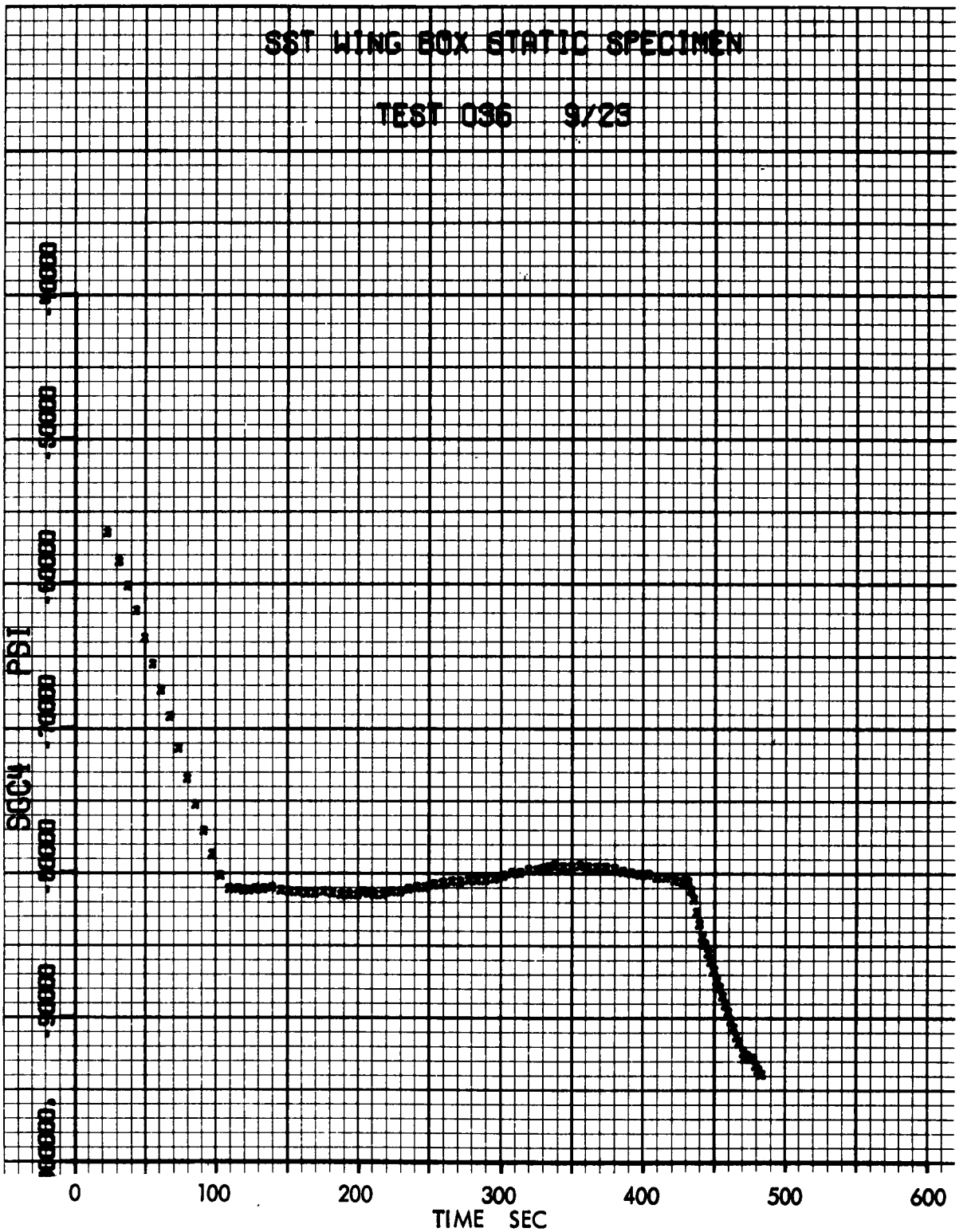
TIME SEC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TEST 036 9/23
SGC4 PSI
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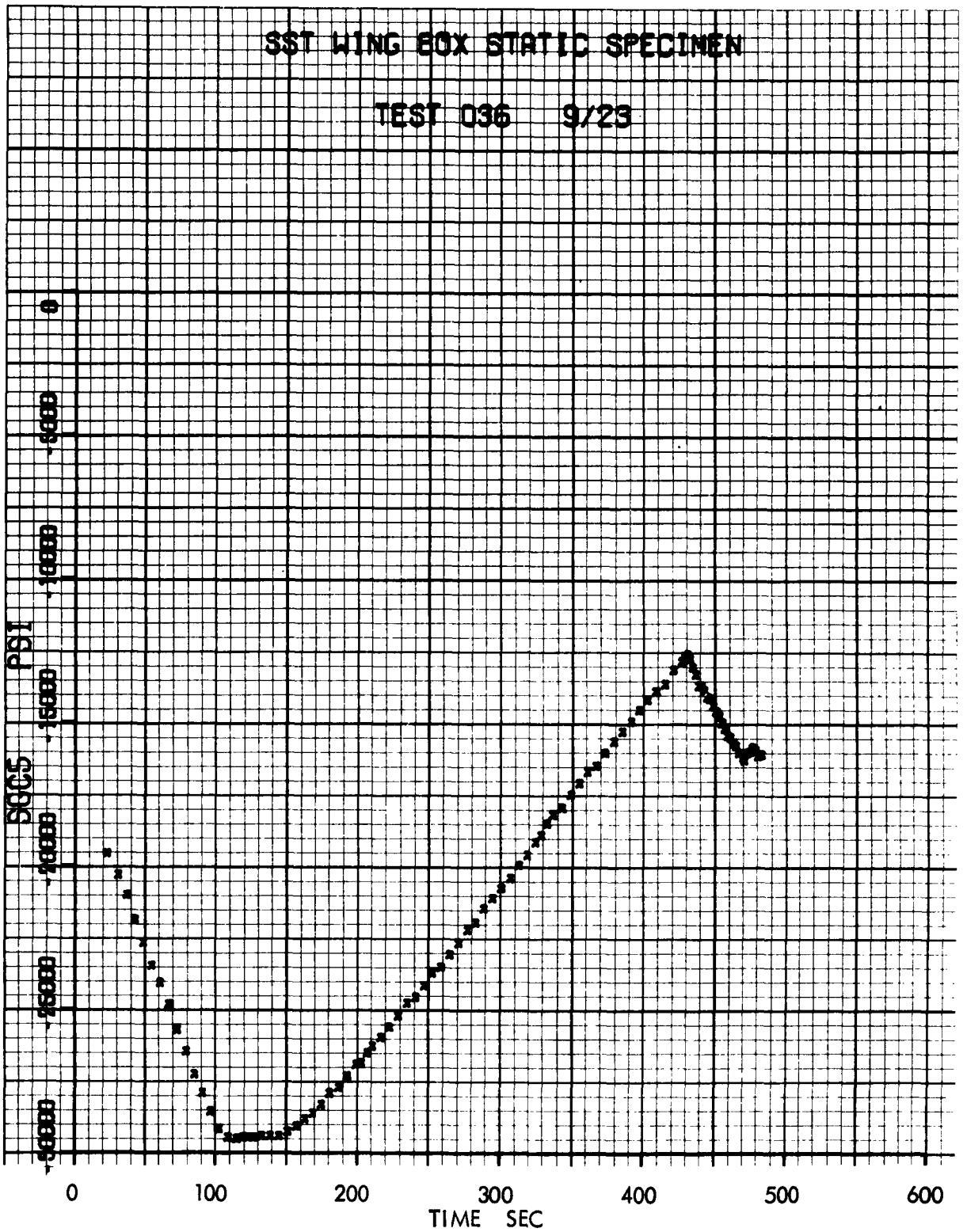
600
TIME SEC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TEST 036 9/23
SGC5 PSI
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TIME SEC
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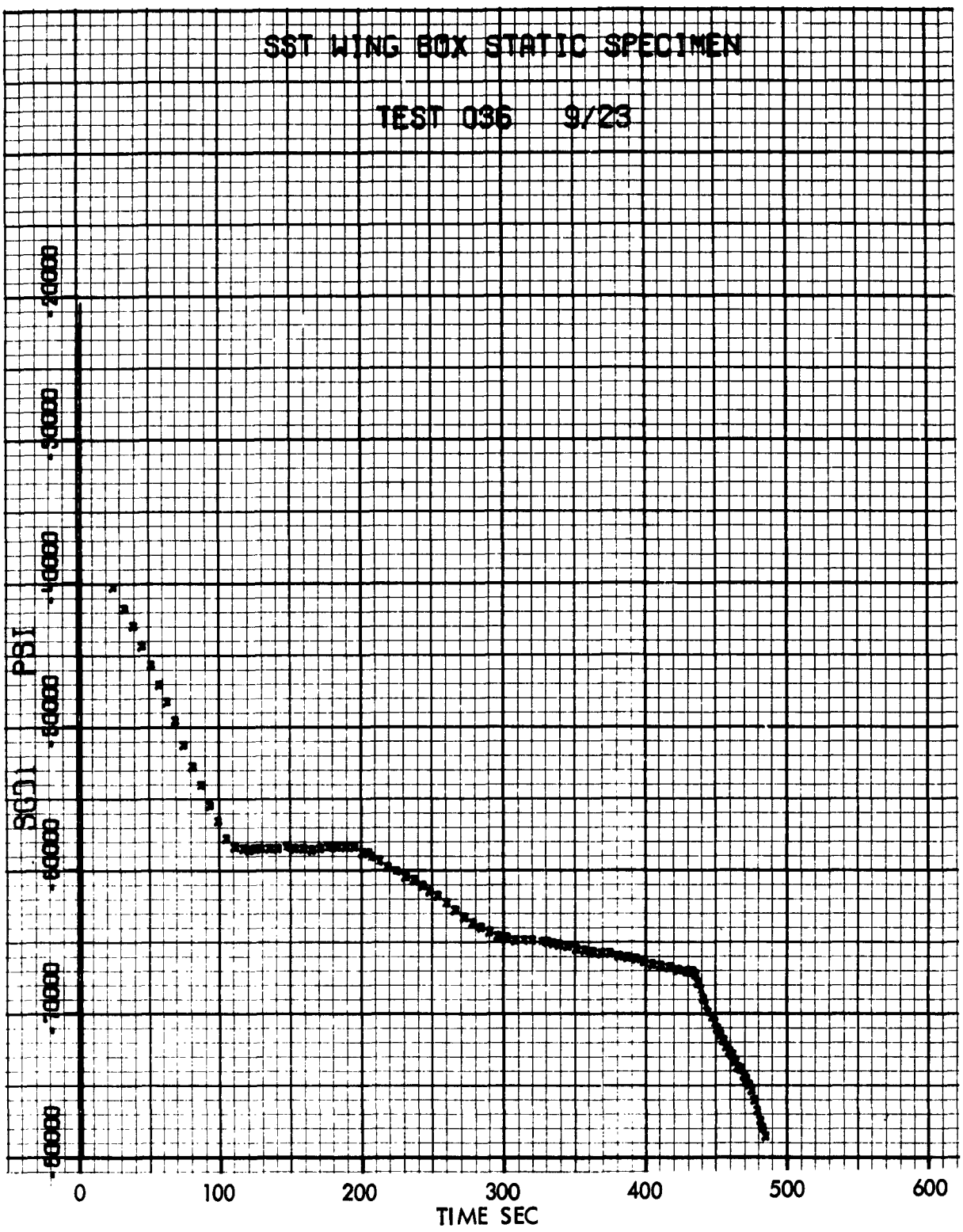
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TEST 036 9/23
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-80000
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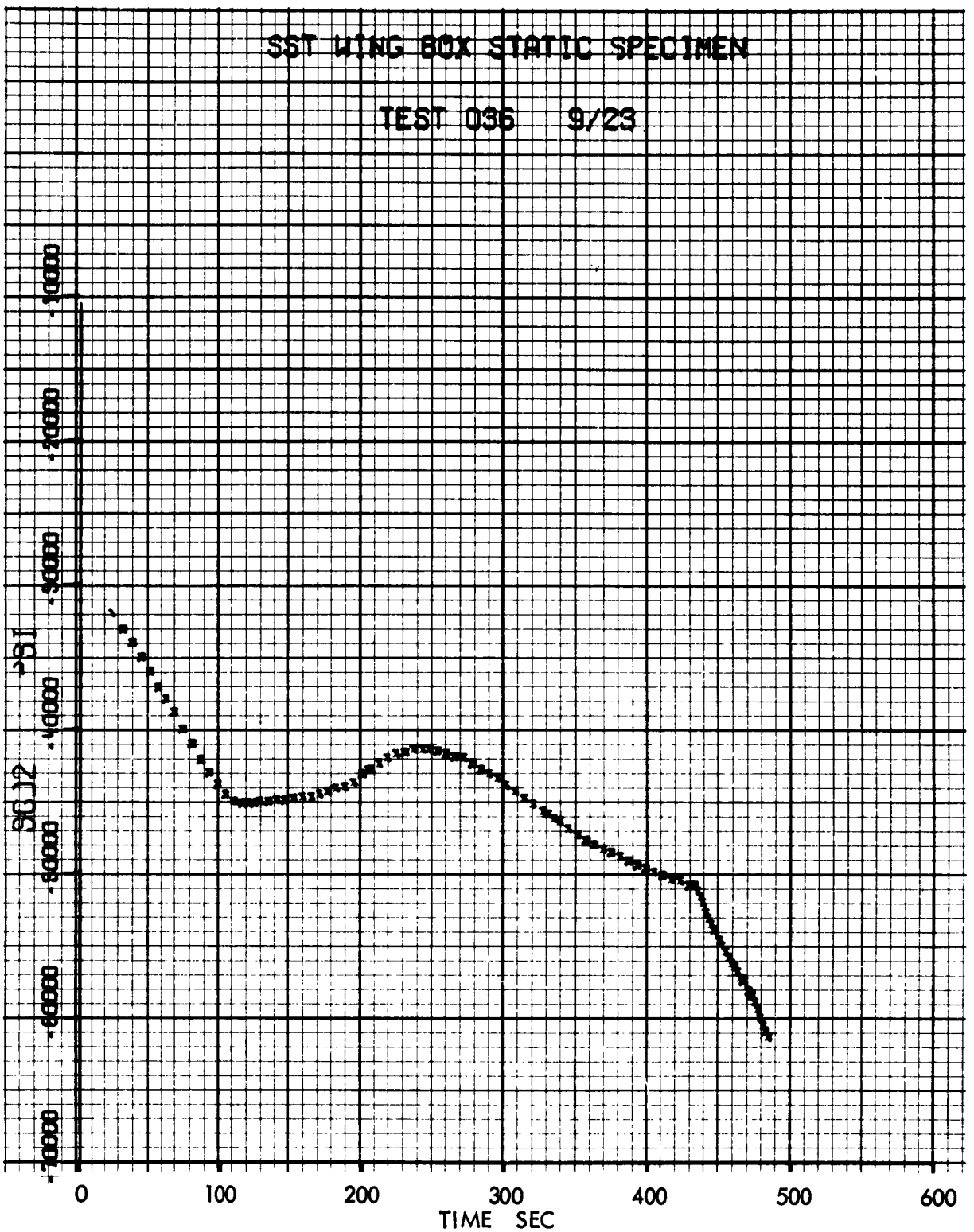
100
200
300
400
500
600
TIME SEC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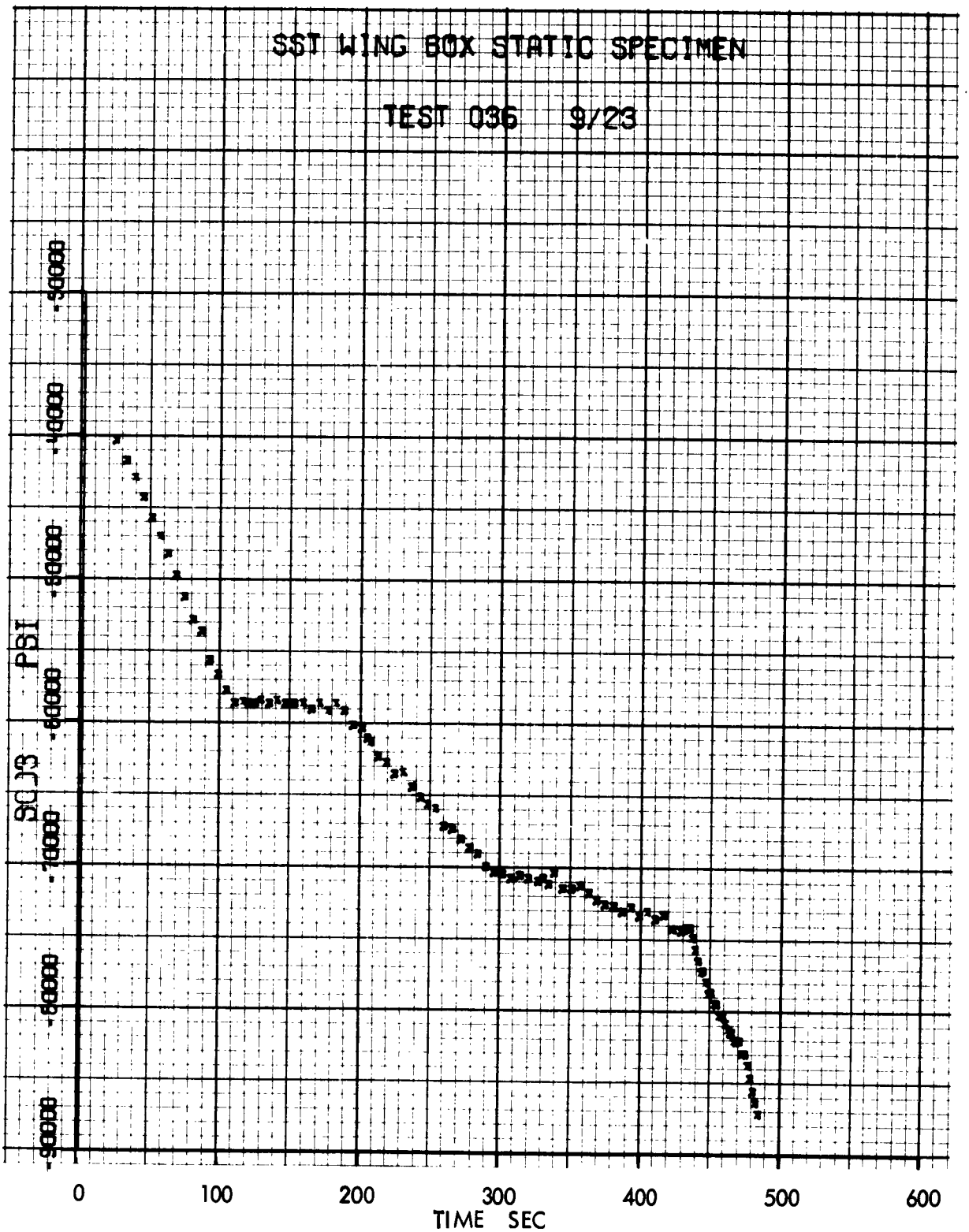
TIME SEC


SST WING BOX STATIC SPECIMEN
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SQJS
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7000
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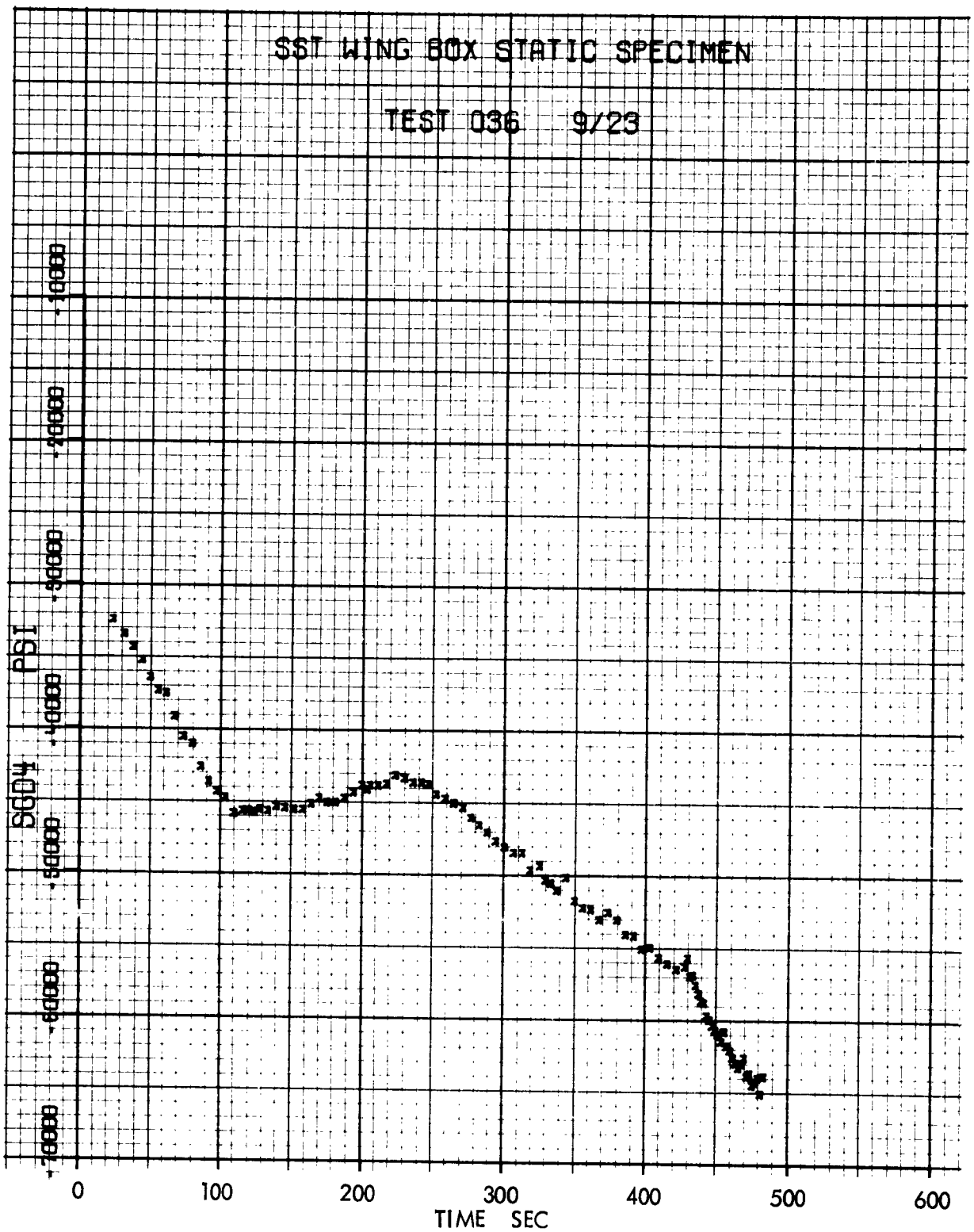
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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60000
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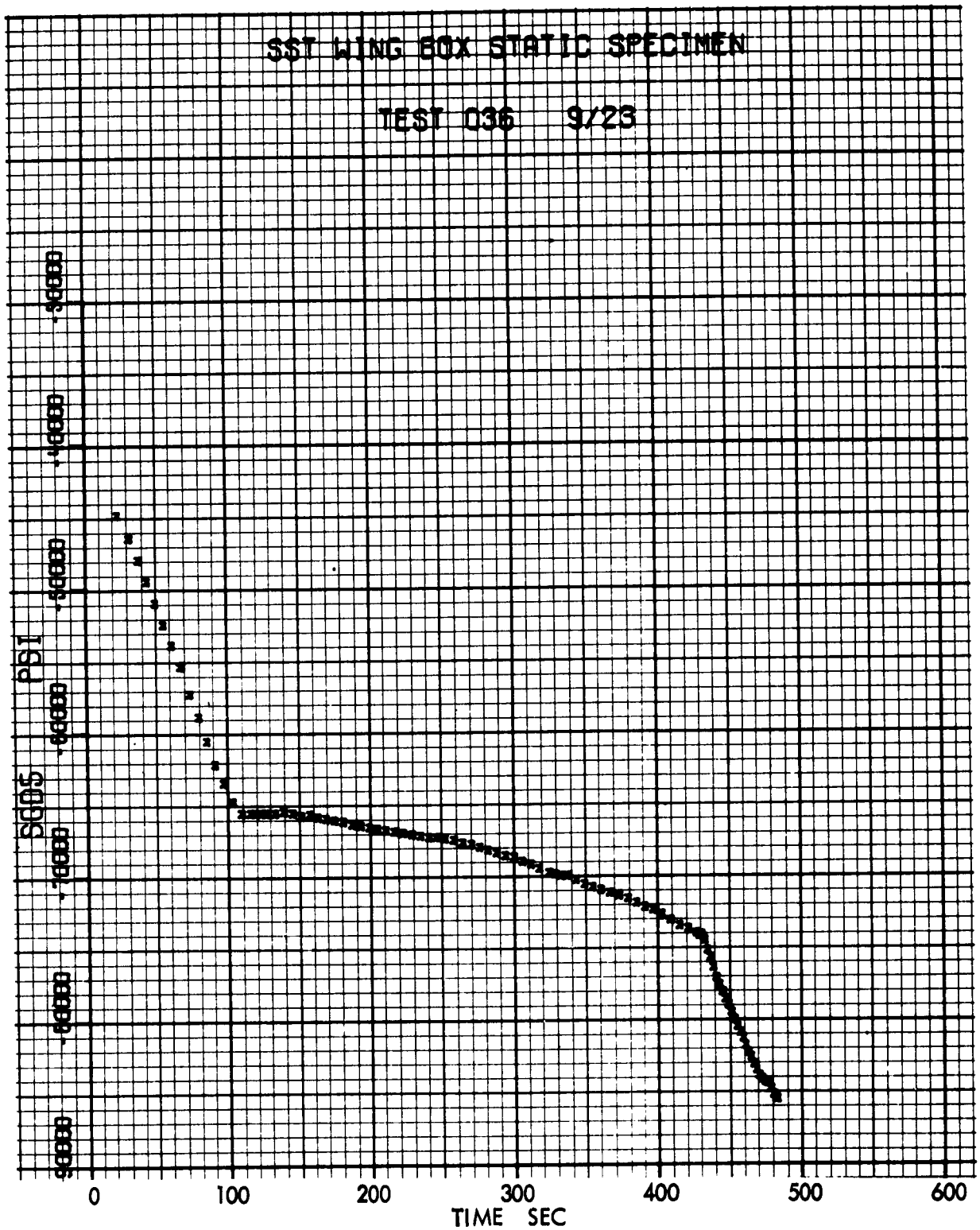
TIME SEC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TEST 036 9/23
SG05 PSI
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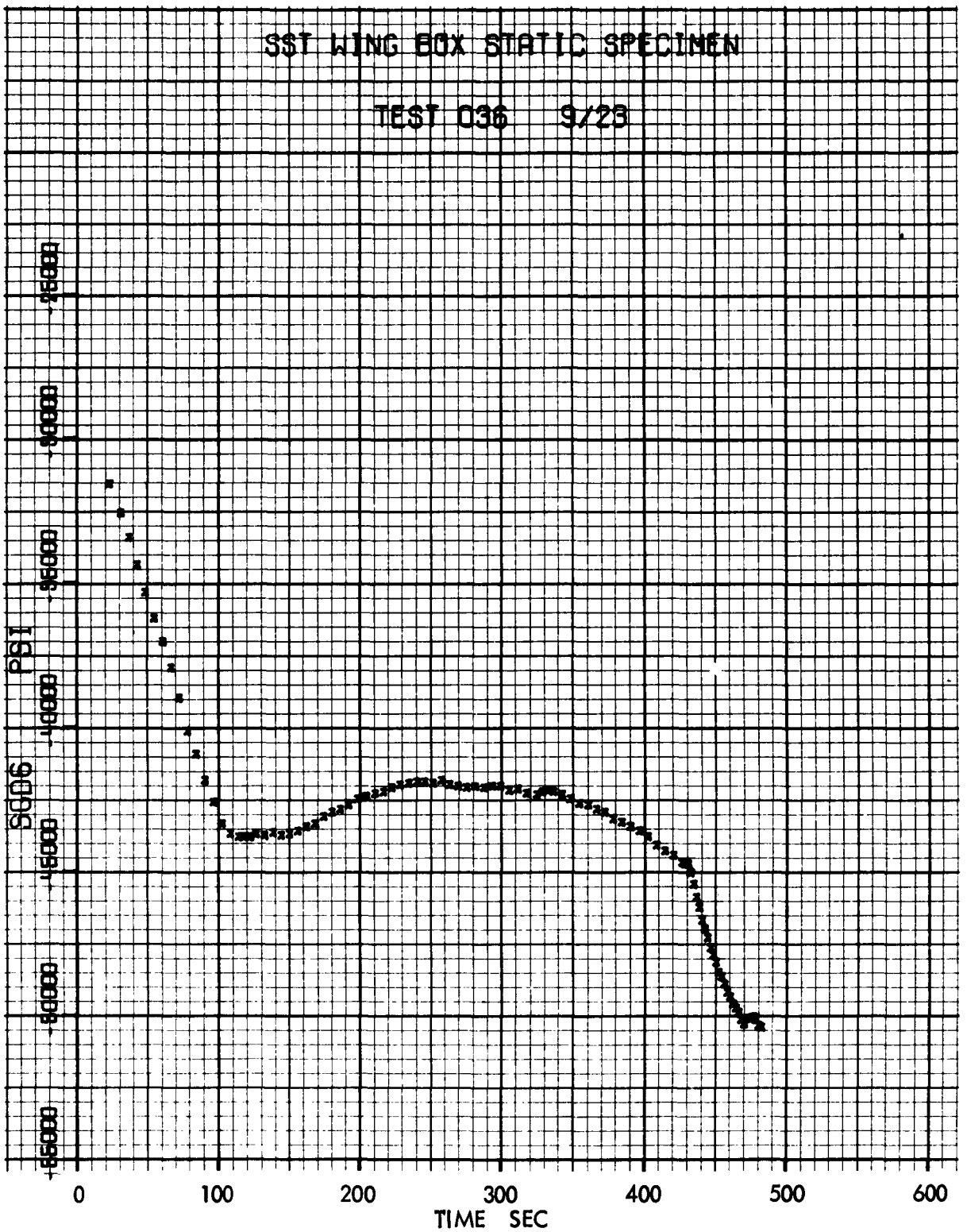
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG06
PSI
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+90000
+85000
+80000
+75000
+70000
+65000
0
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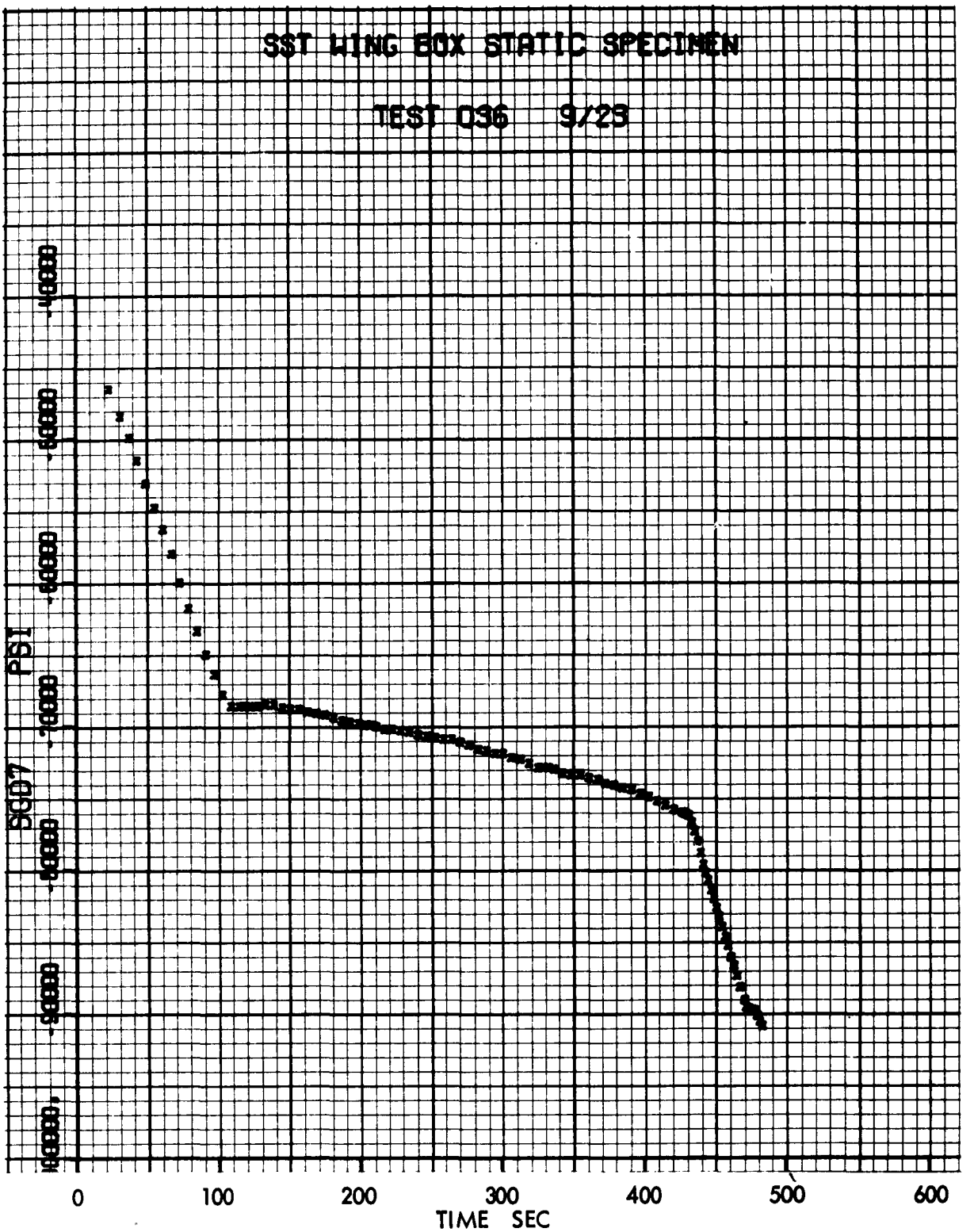
TIME SEC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TEST 036 9/23
PSI
SCB7
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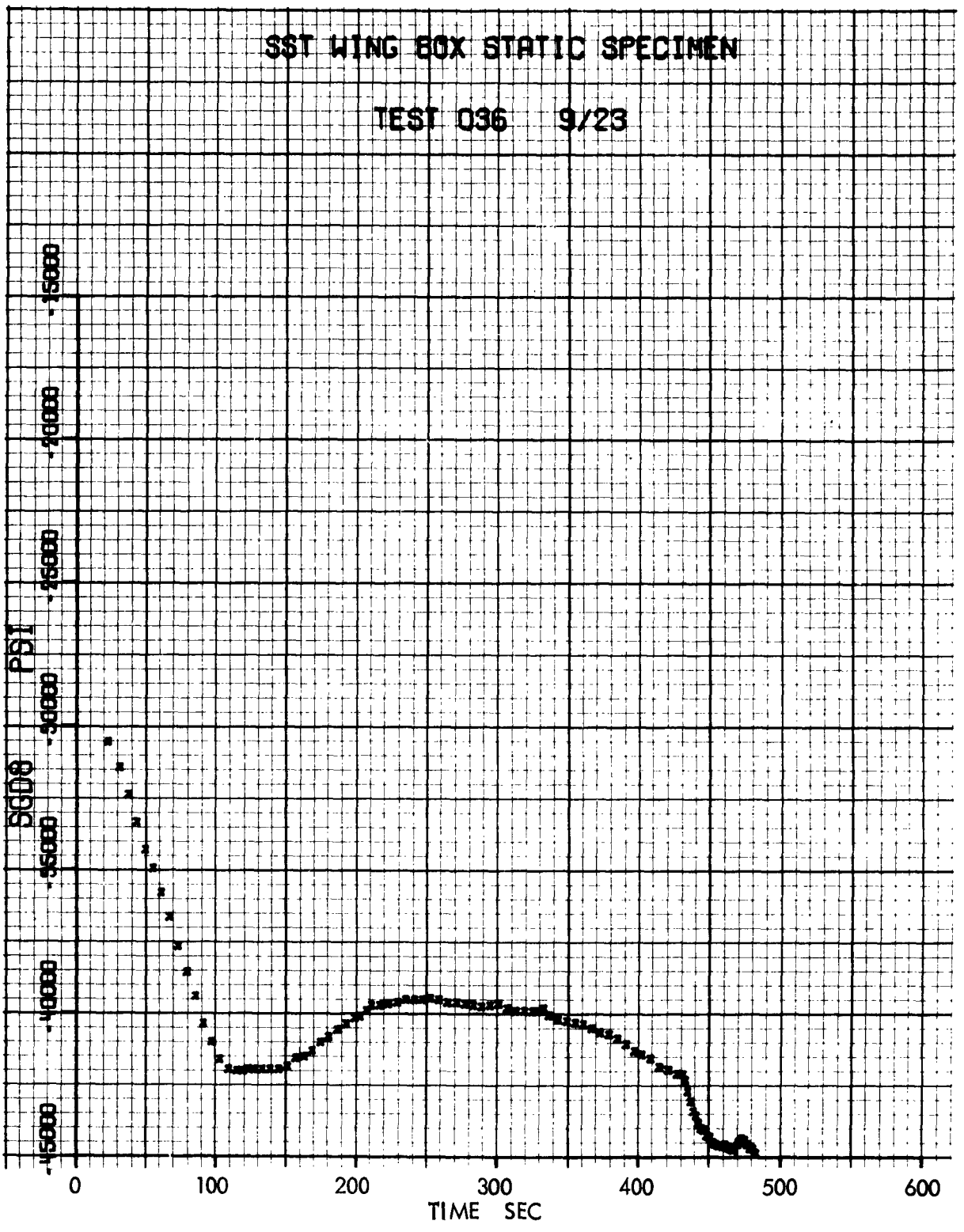
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG08 PSI
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-25000
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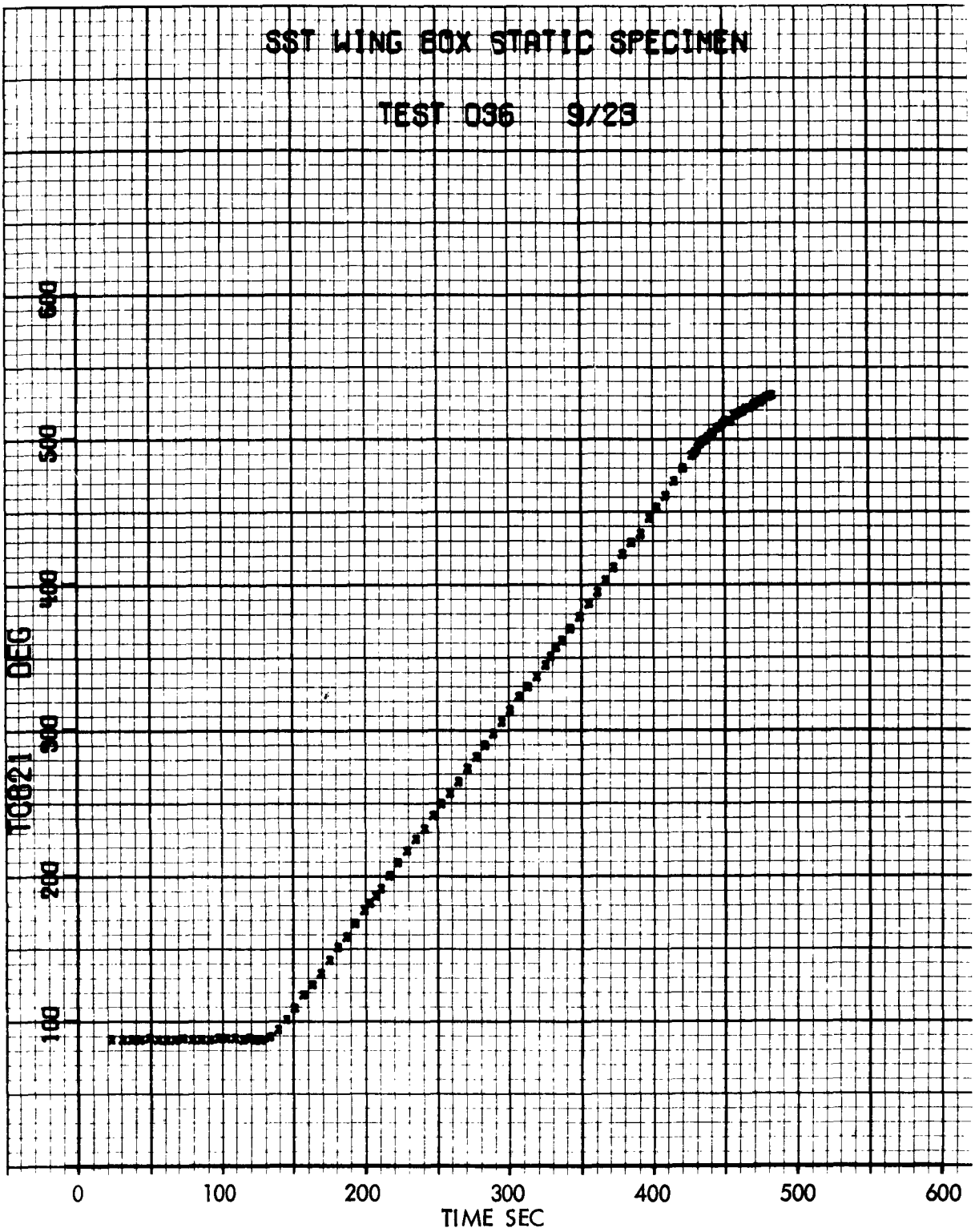
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
T0821 DEG
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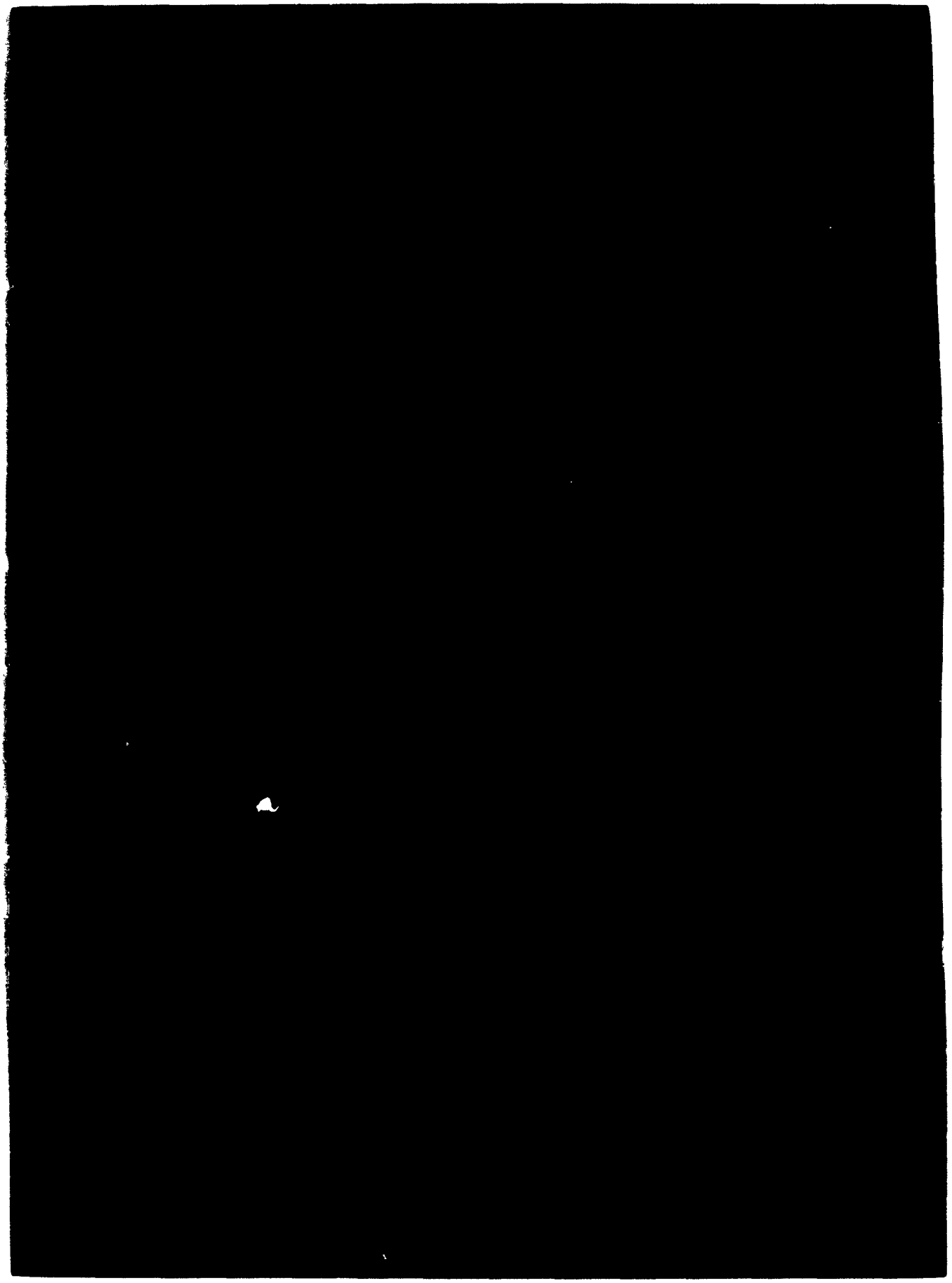
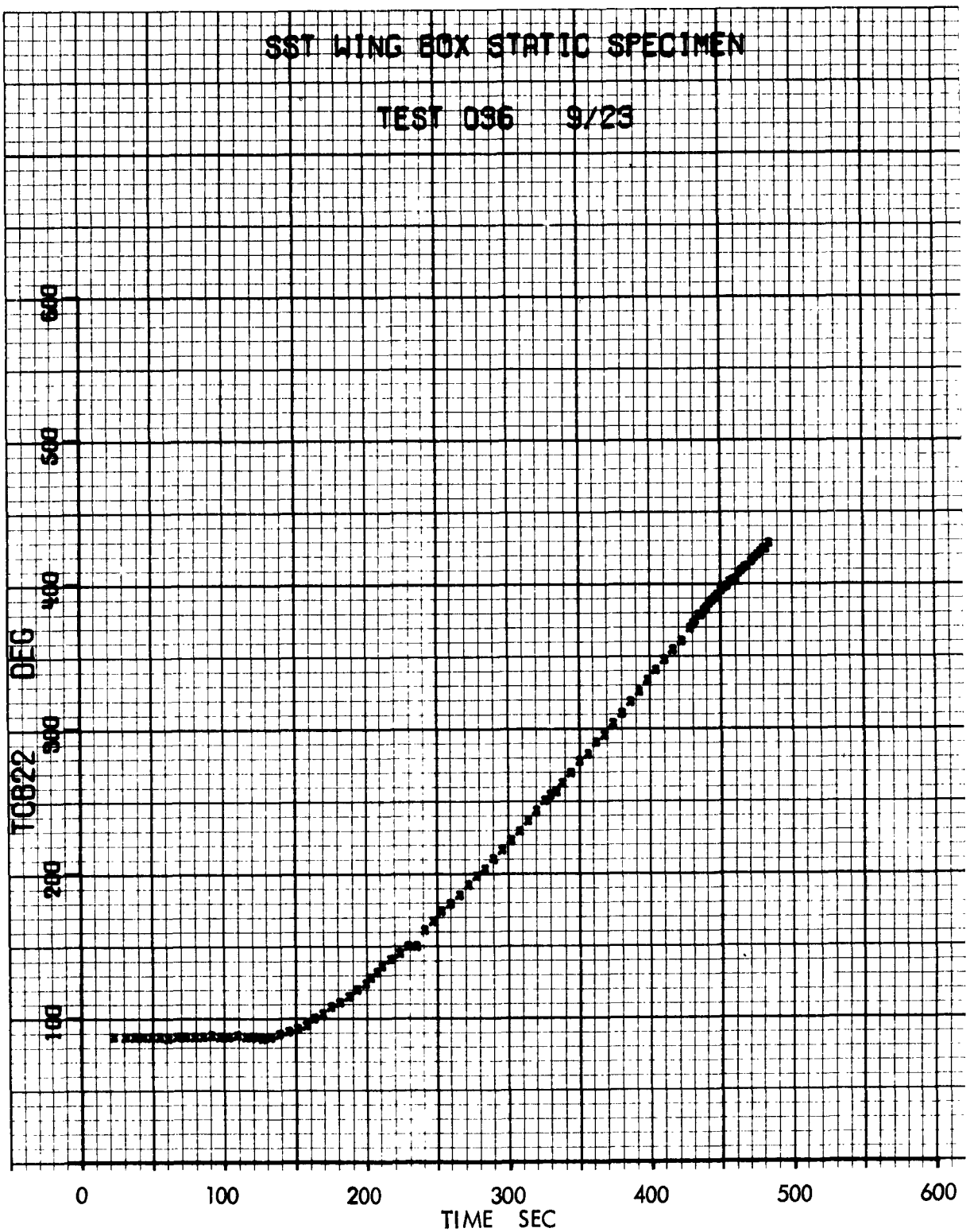
400
500
600
TIME SEC




SST WING BOX STATIC SPECIMEN
TEST 096 9/23
TC822 DEG
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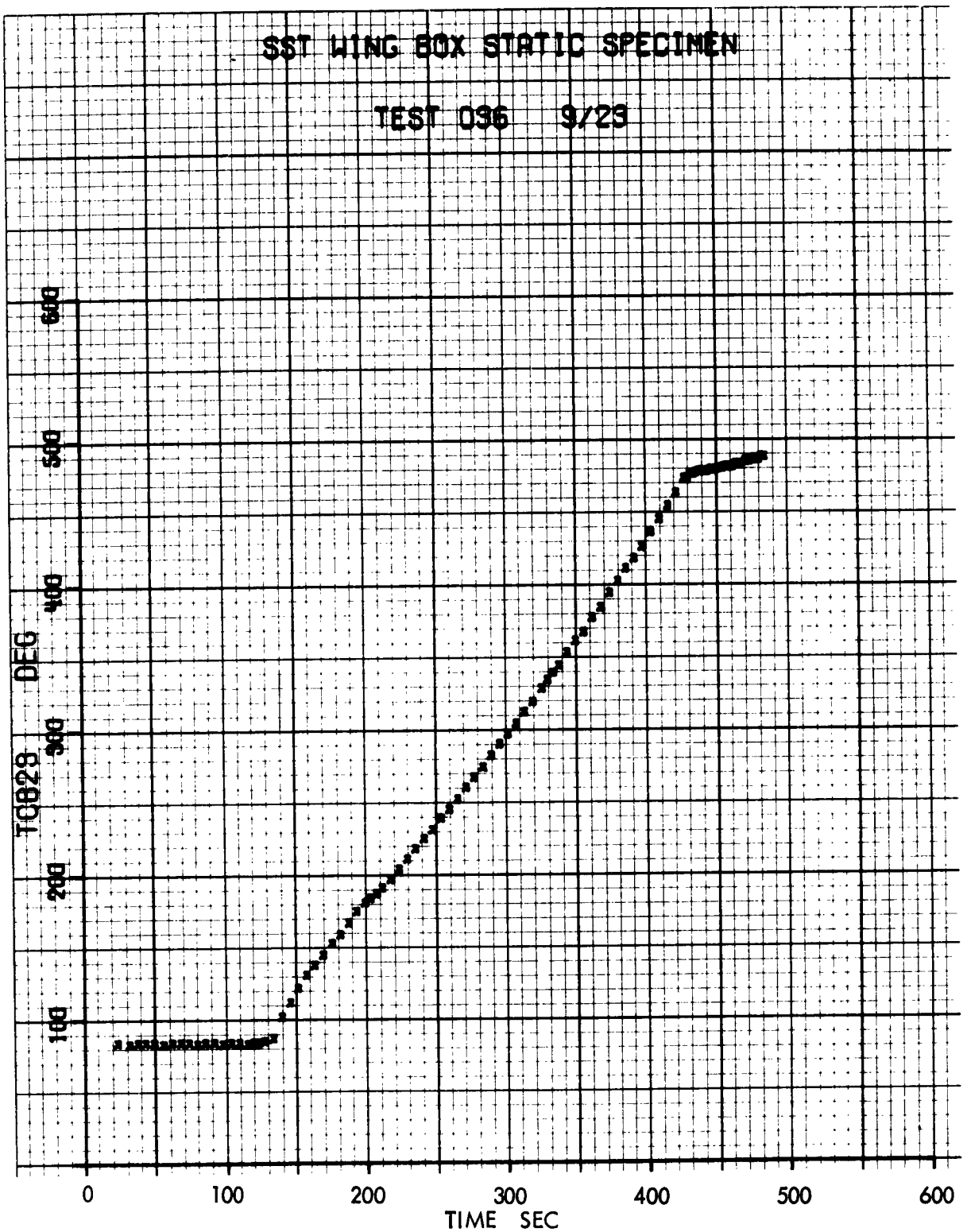
200
300
400
500
600
0
100
200
300
400
500
600
TIME SEC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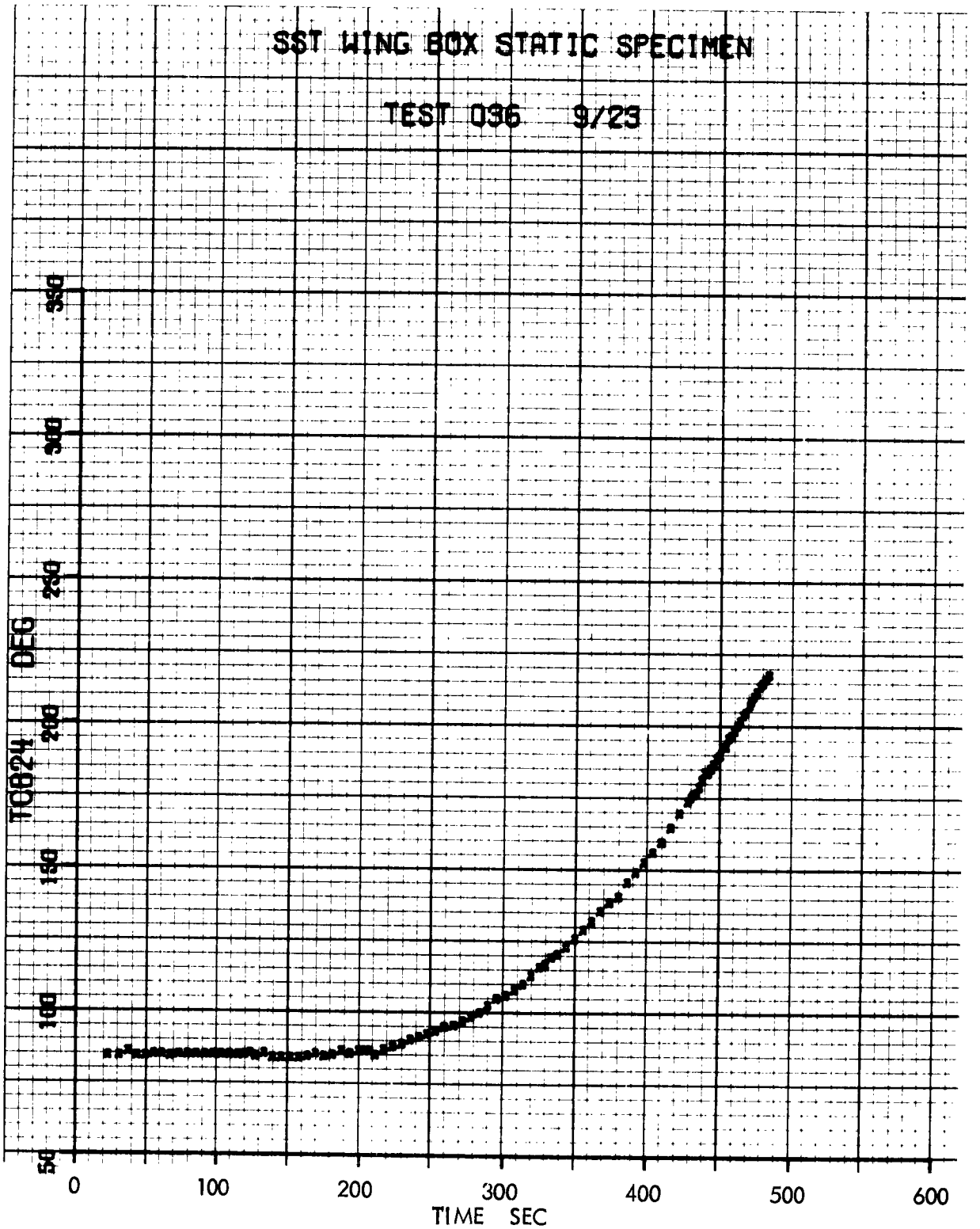
TIME SEC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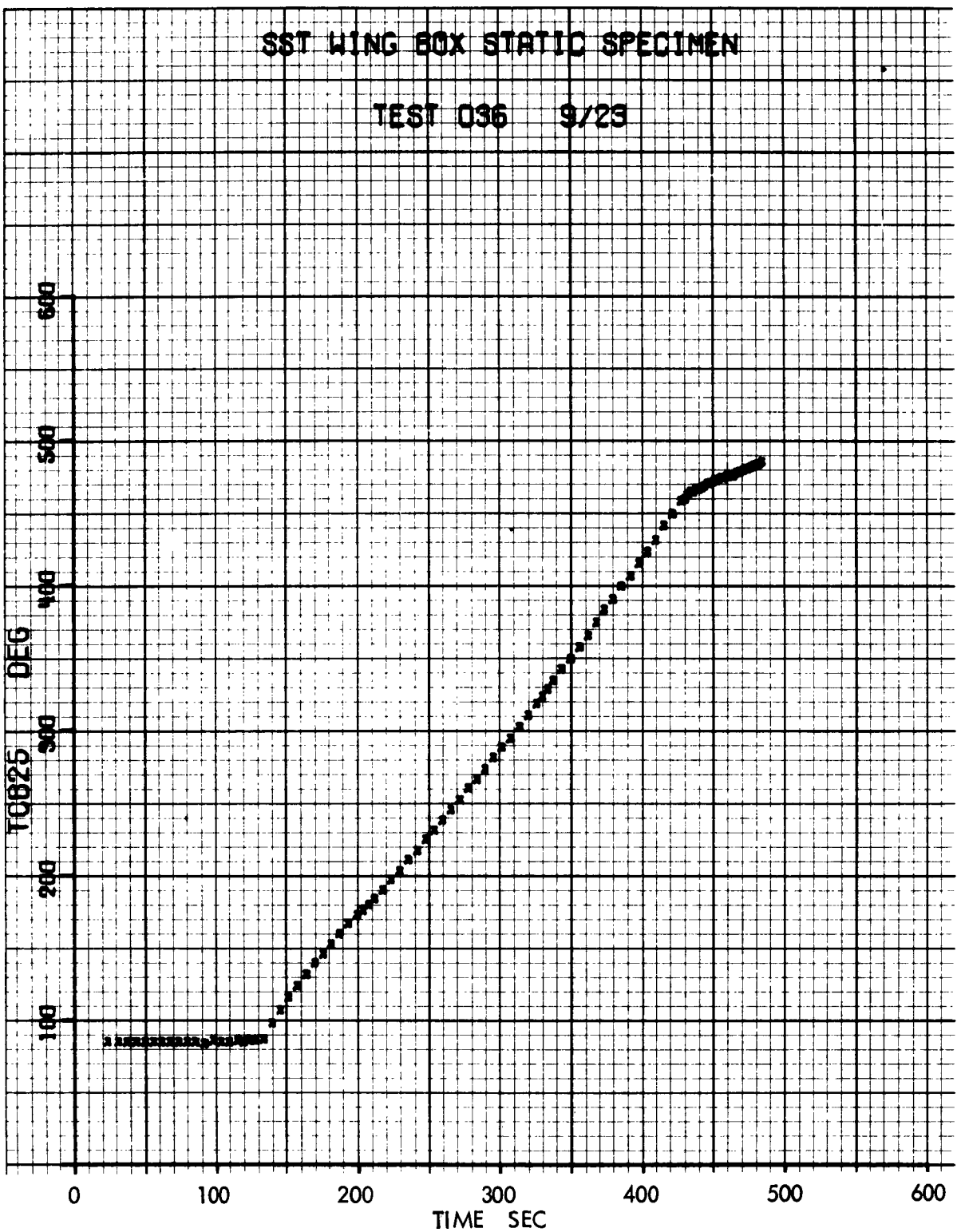
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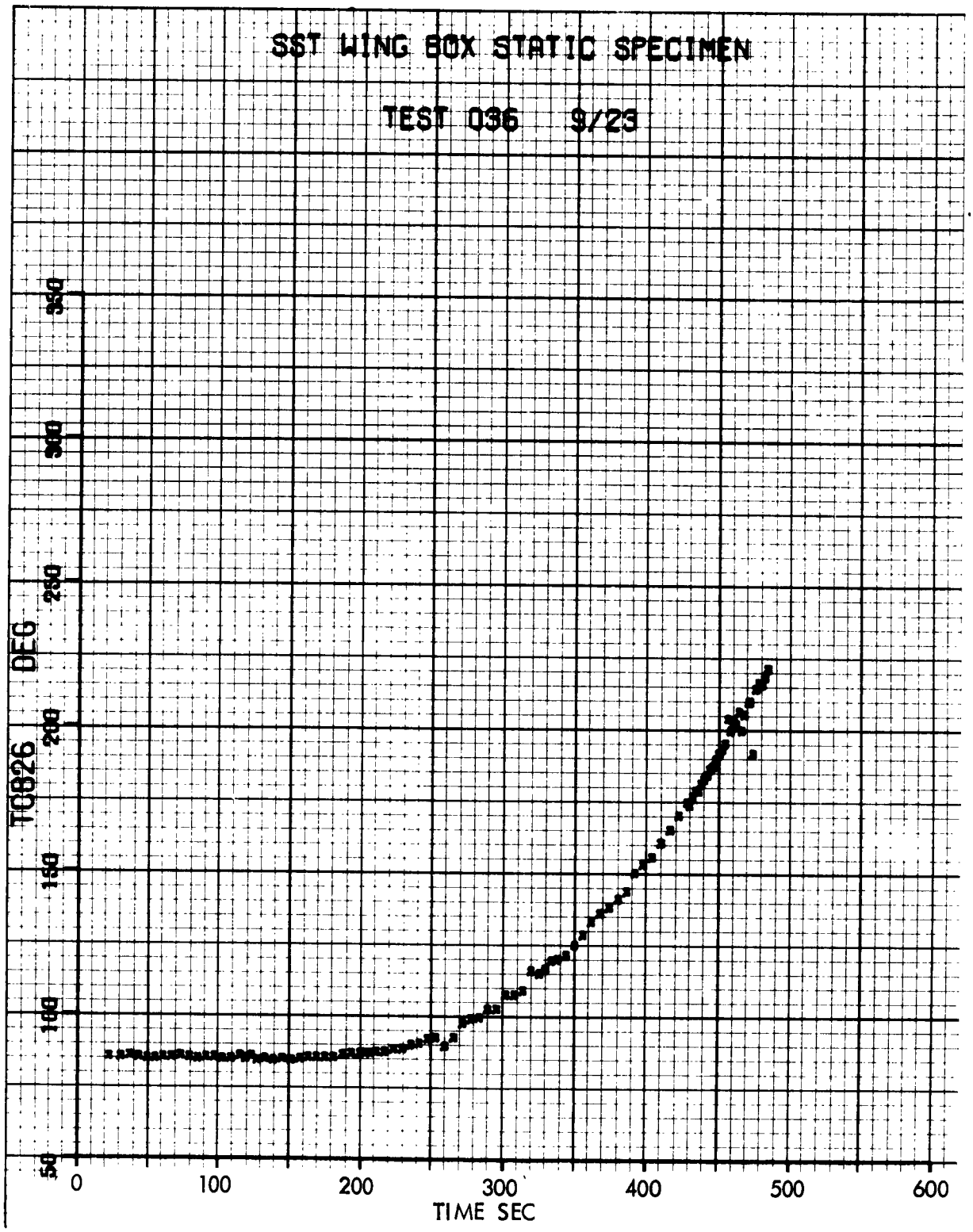
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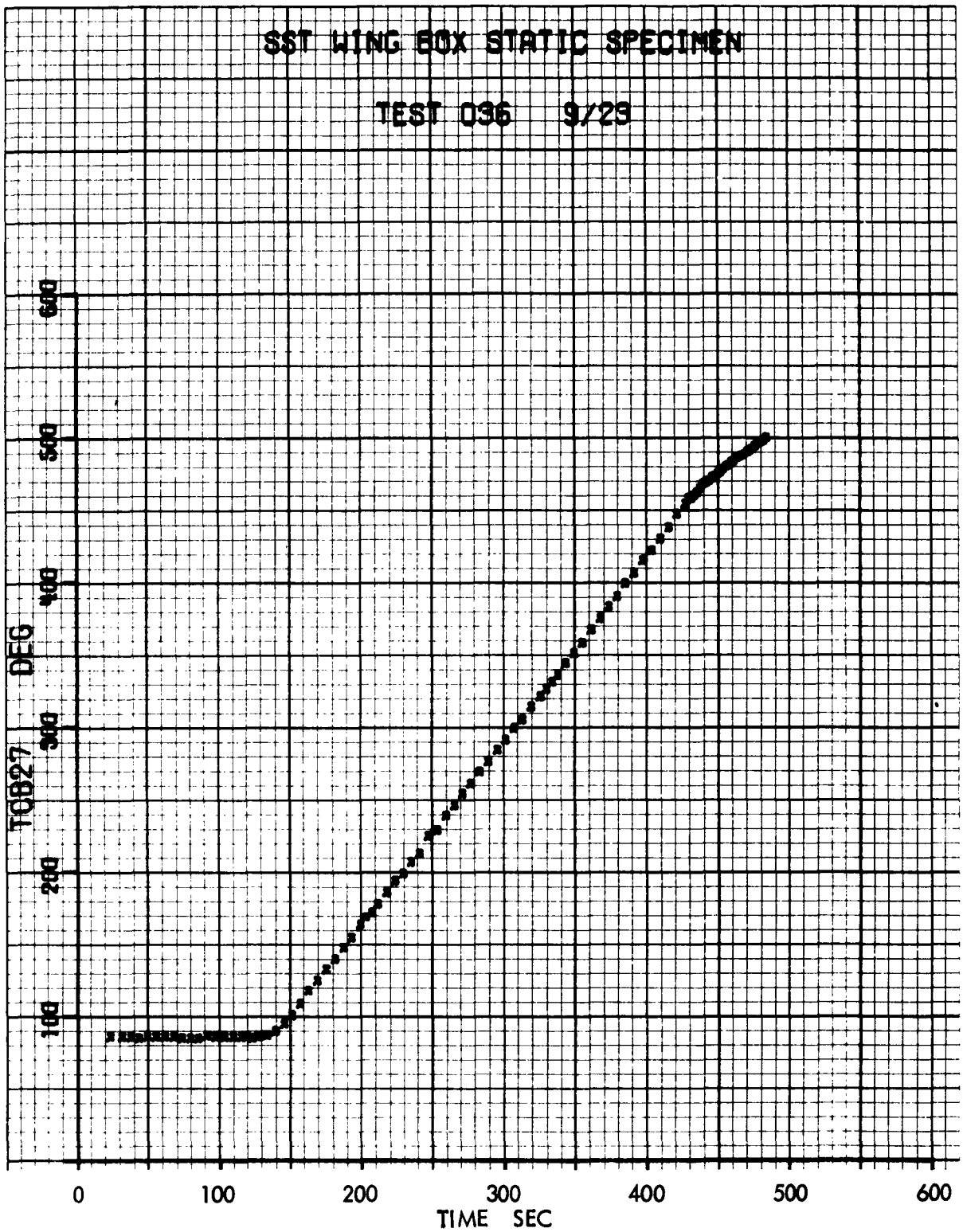
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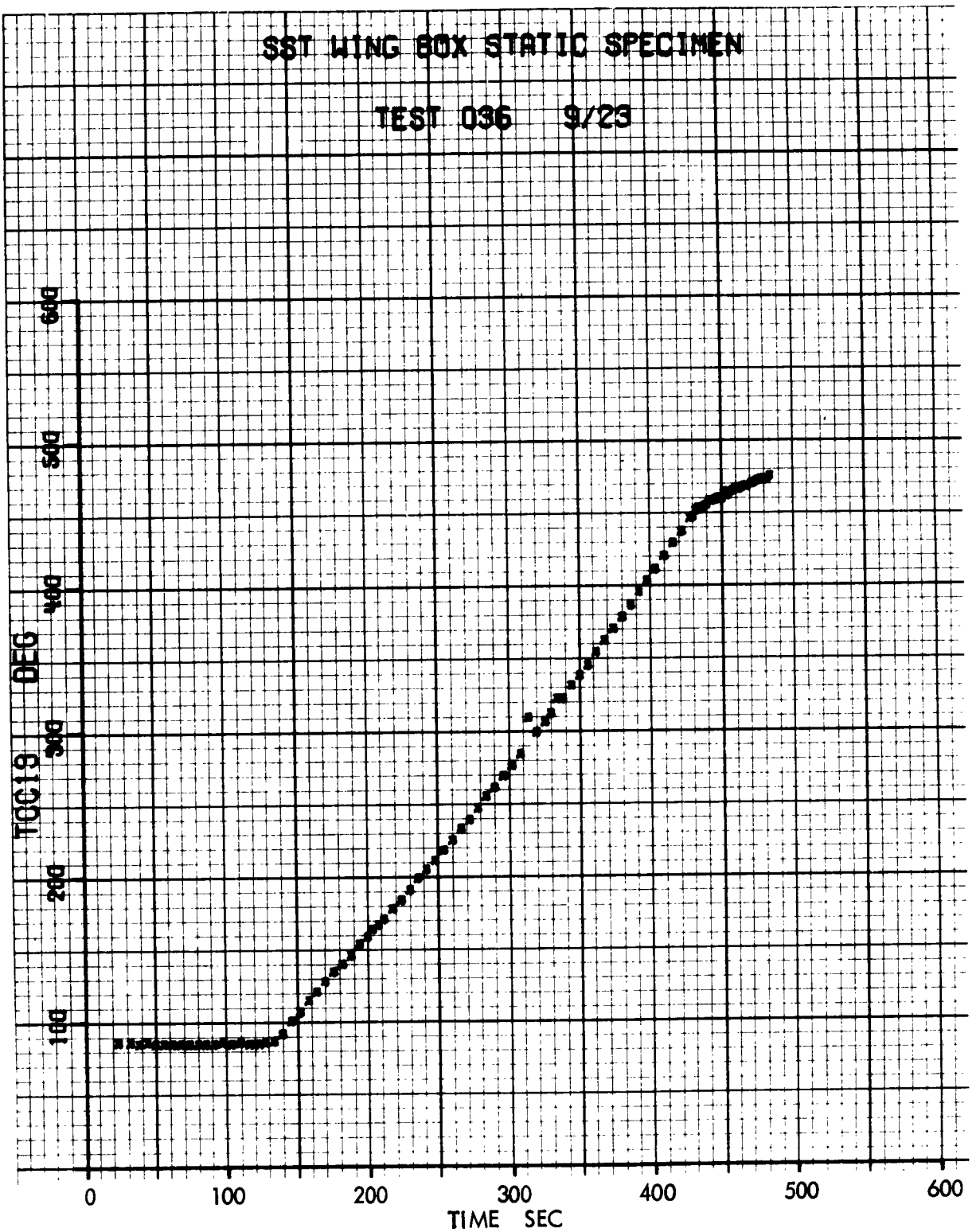
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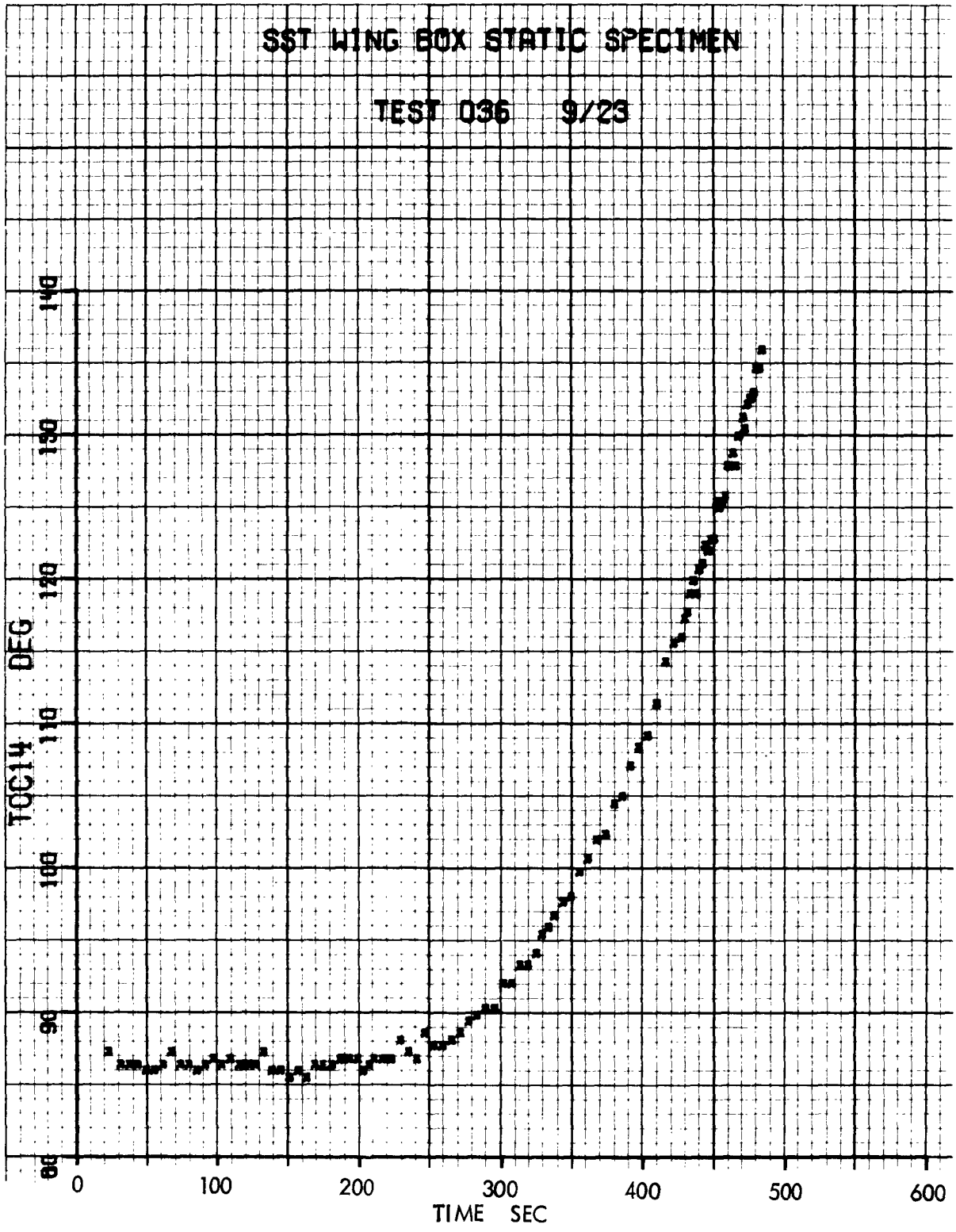
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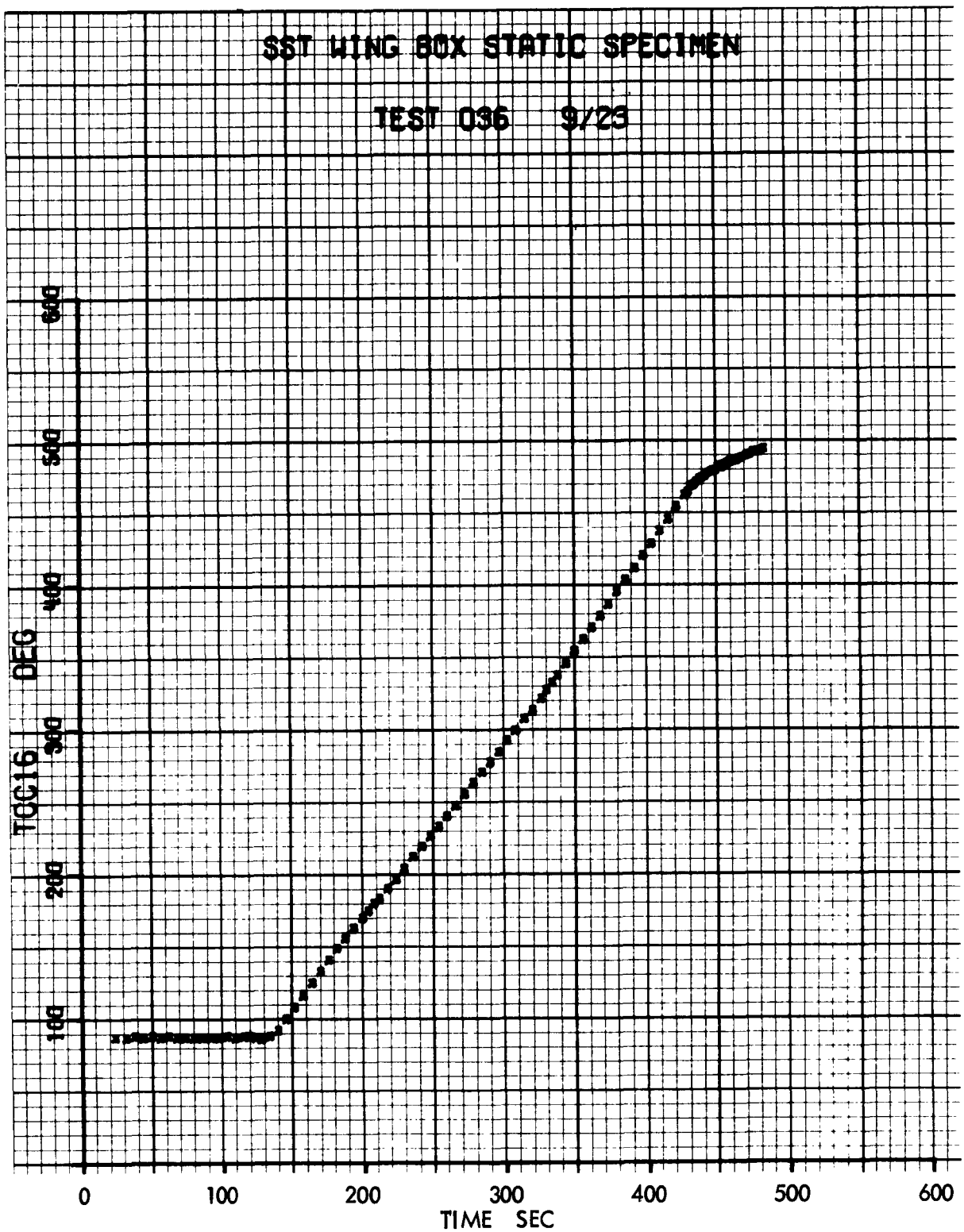
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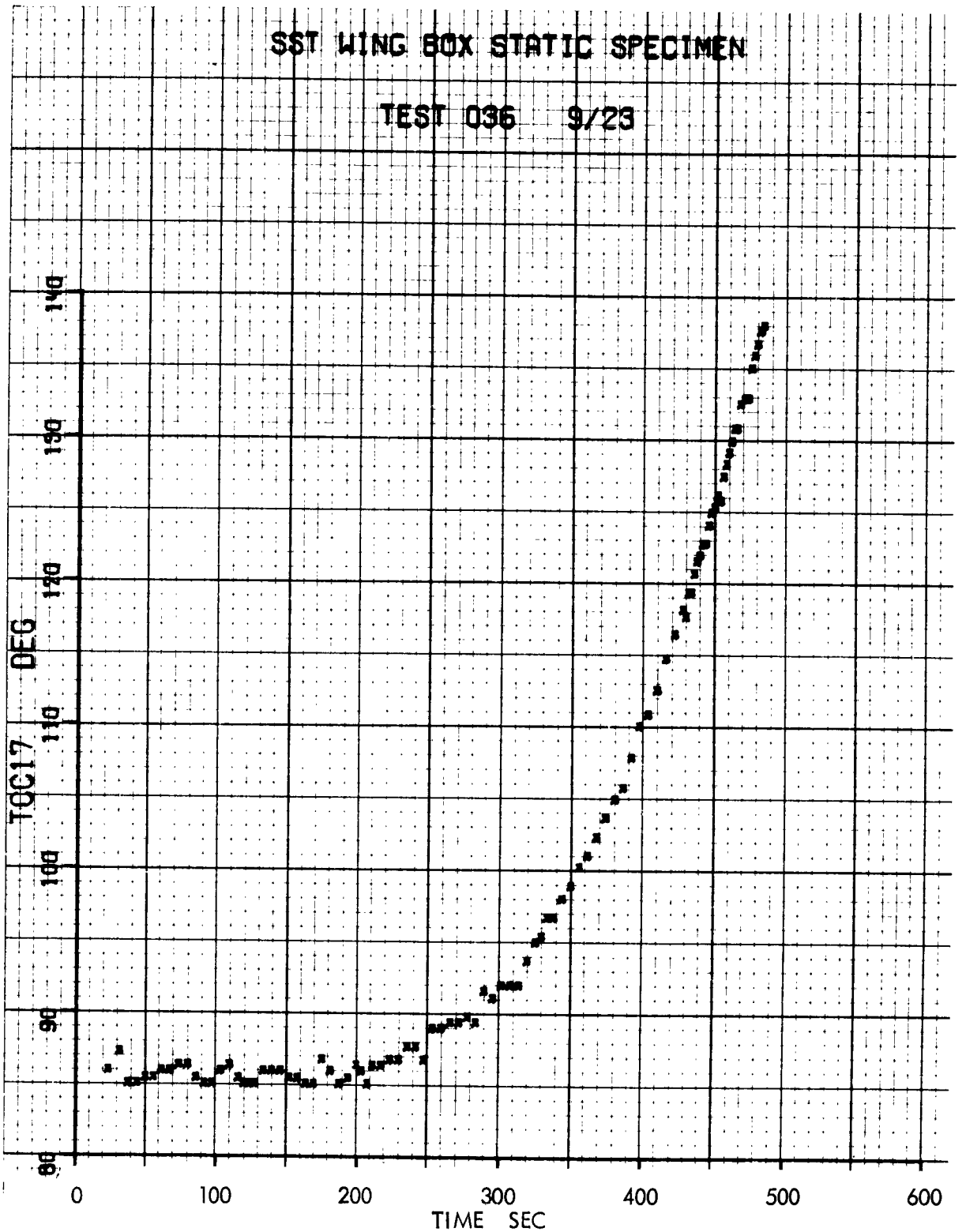
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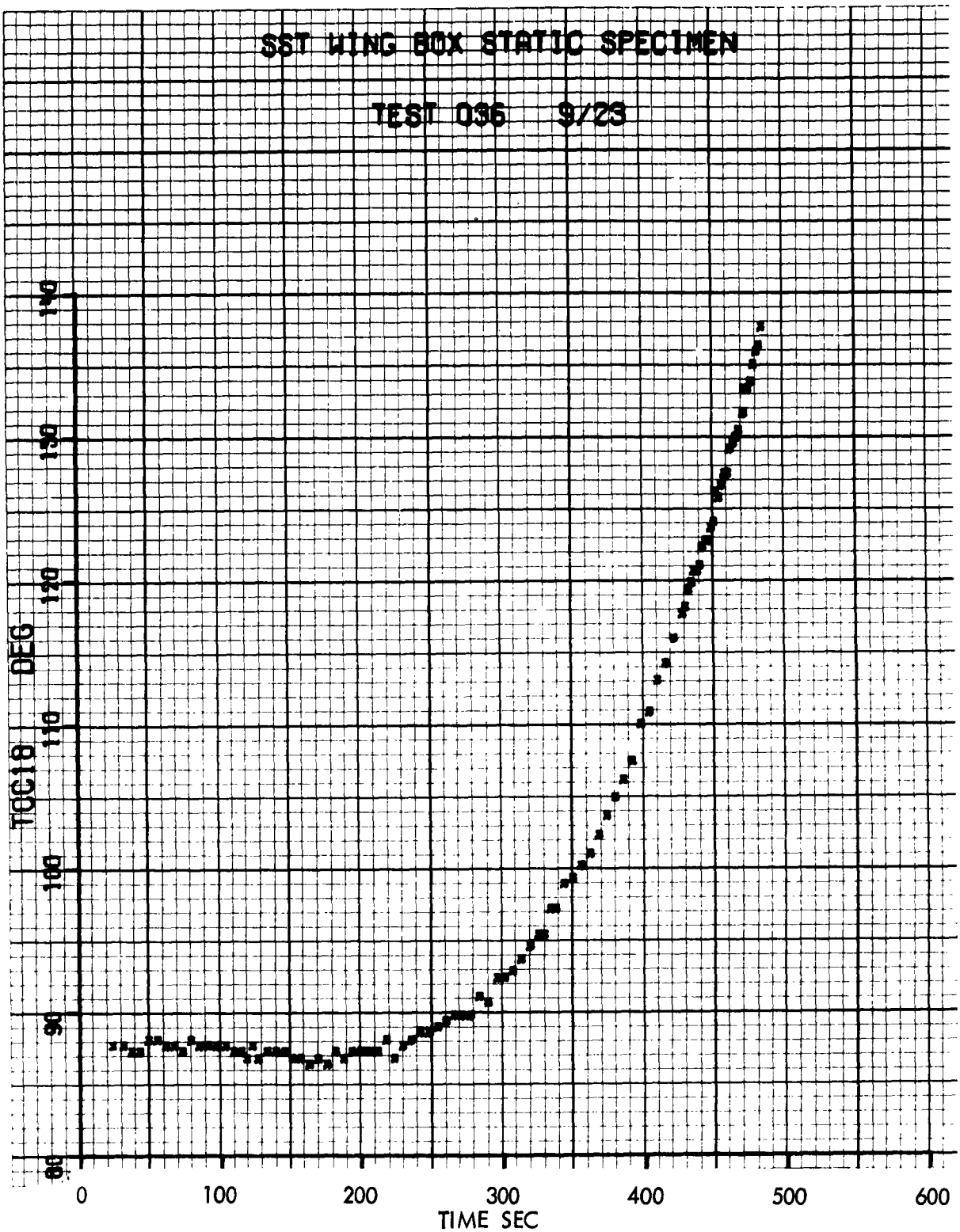
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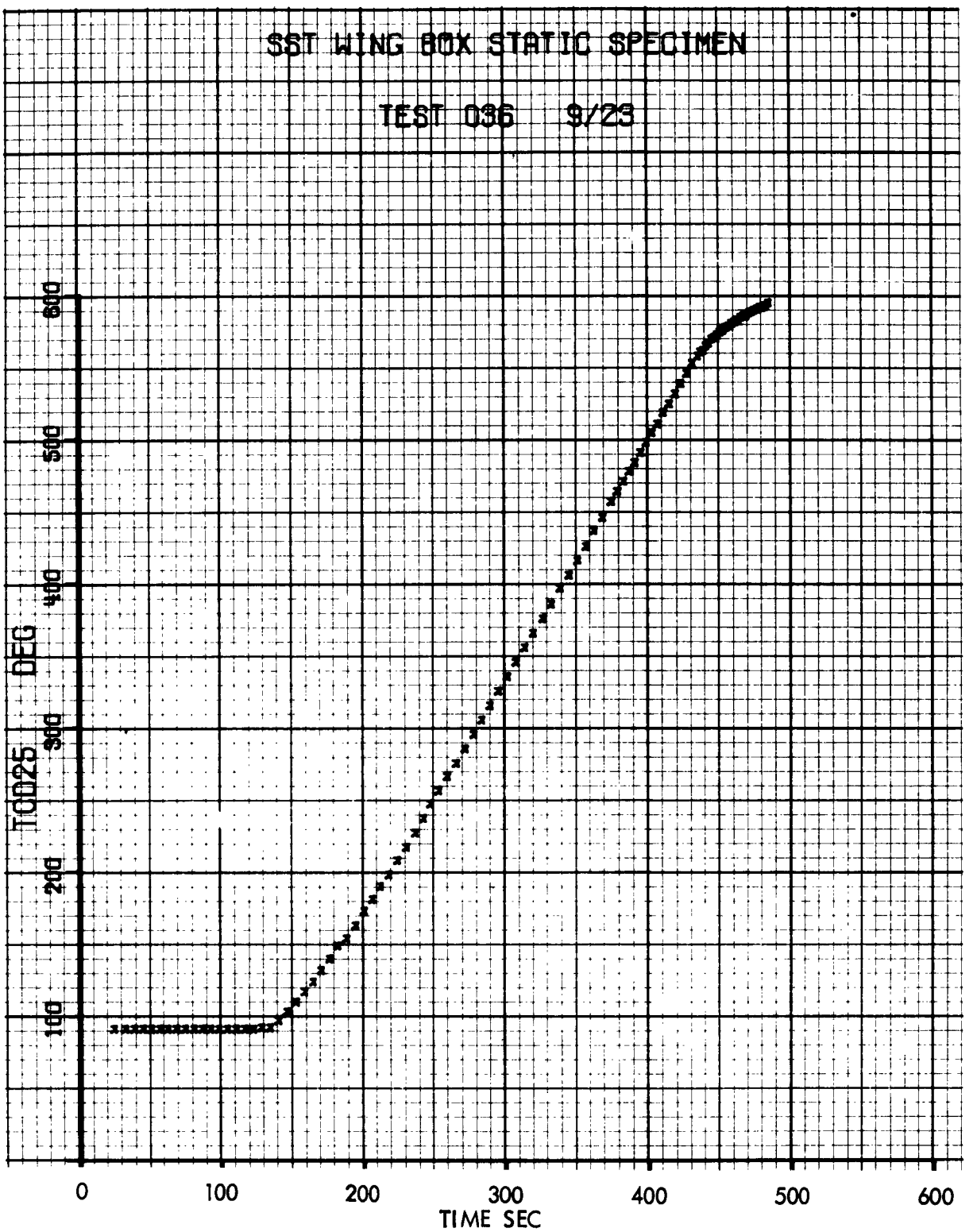
TIME SEC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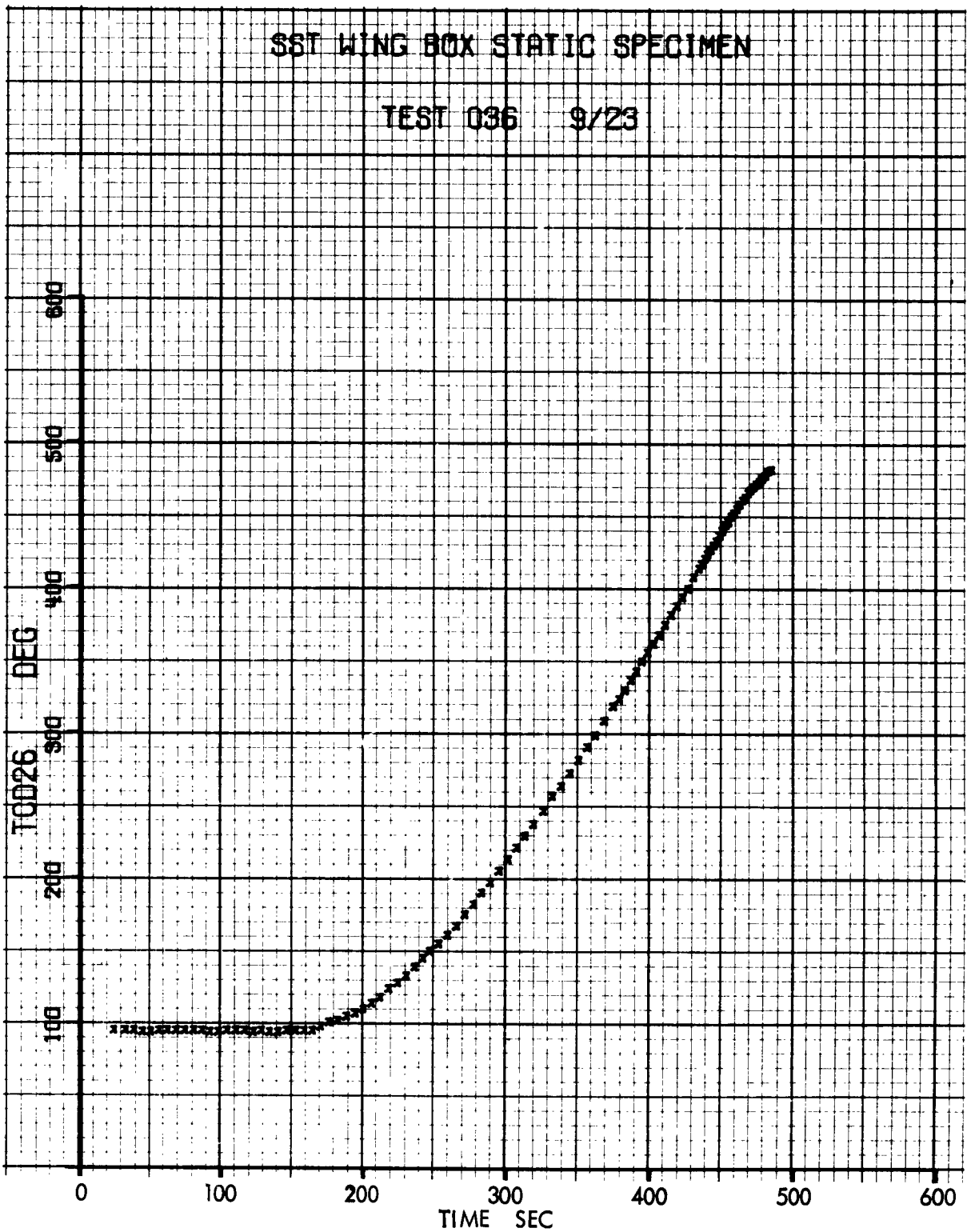
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500
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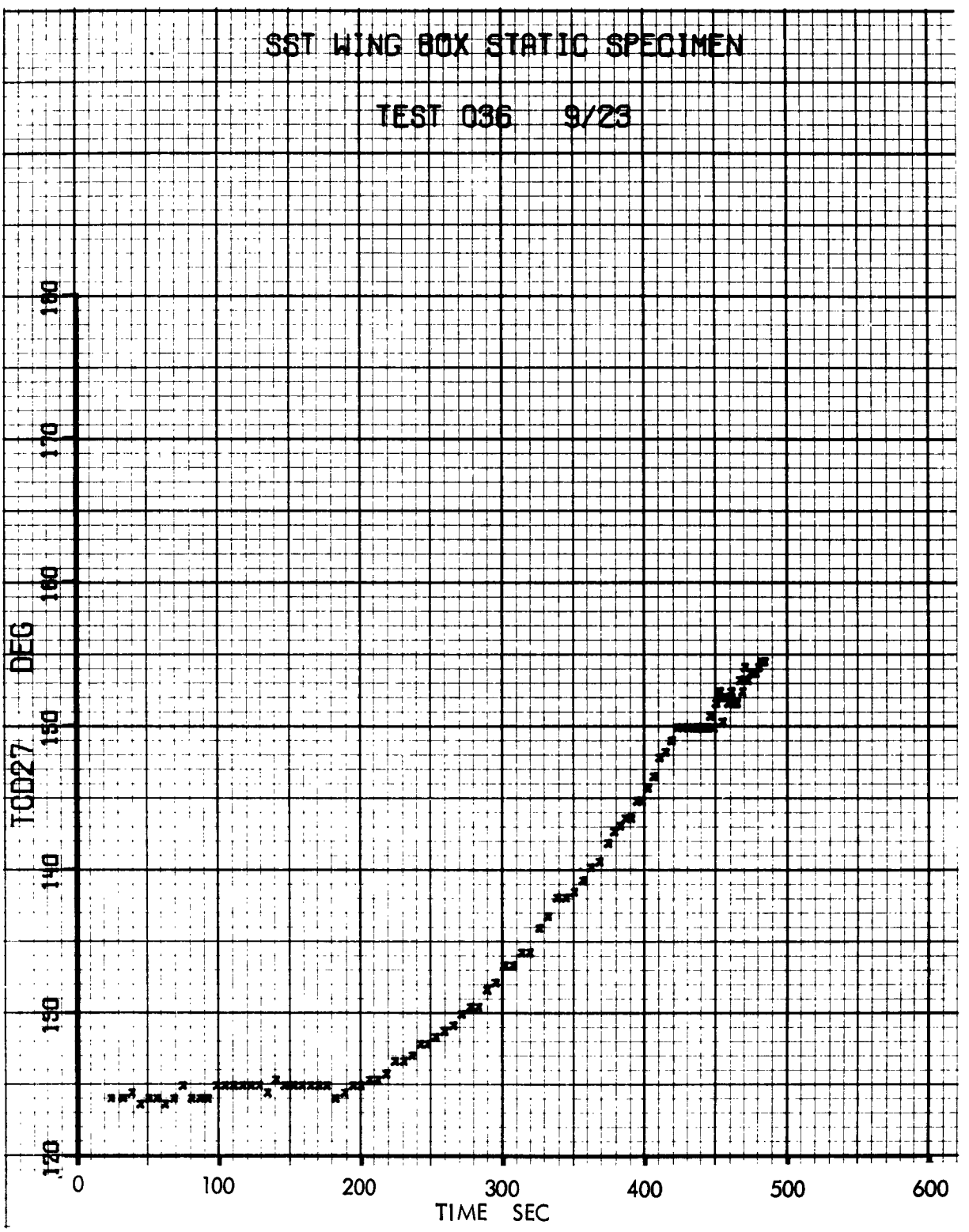
TIME SEC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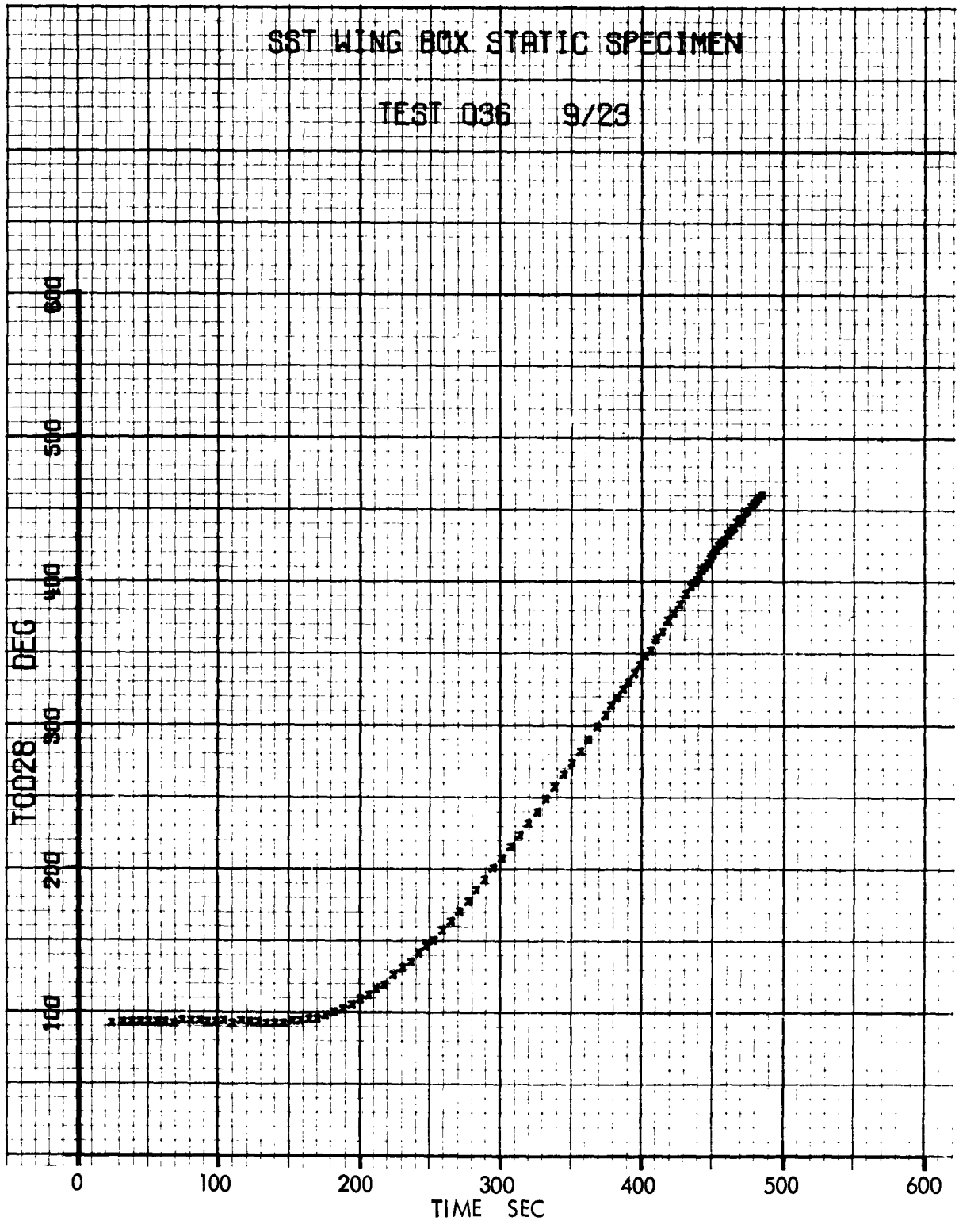
TIME SEC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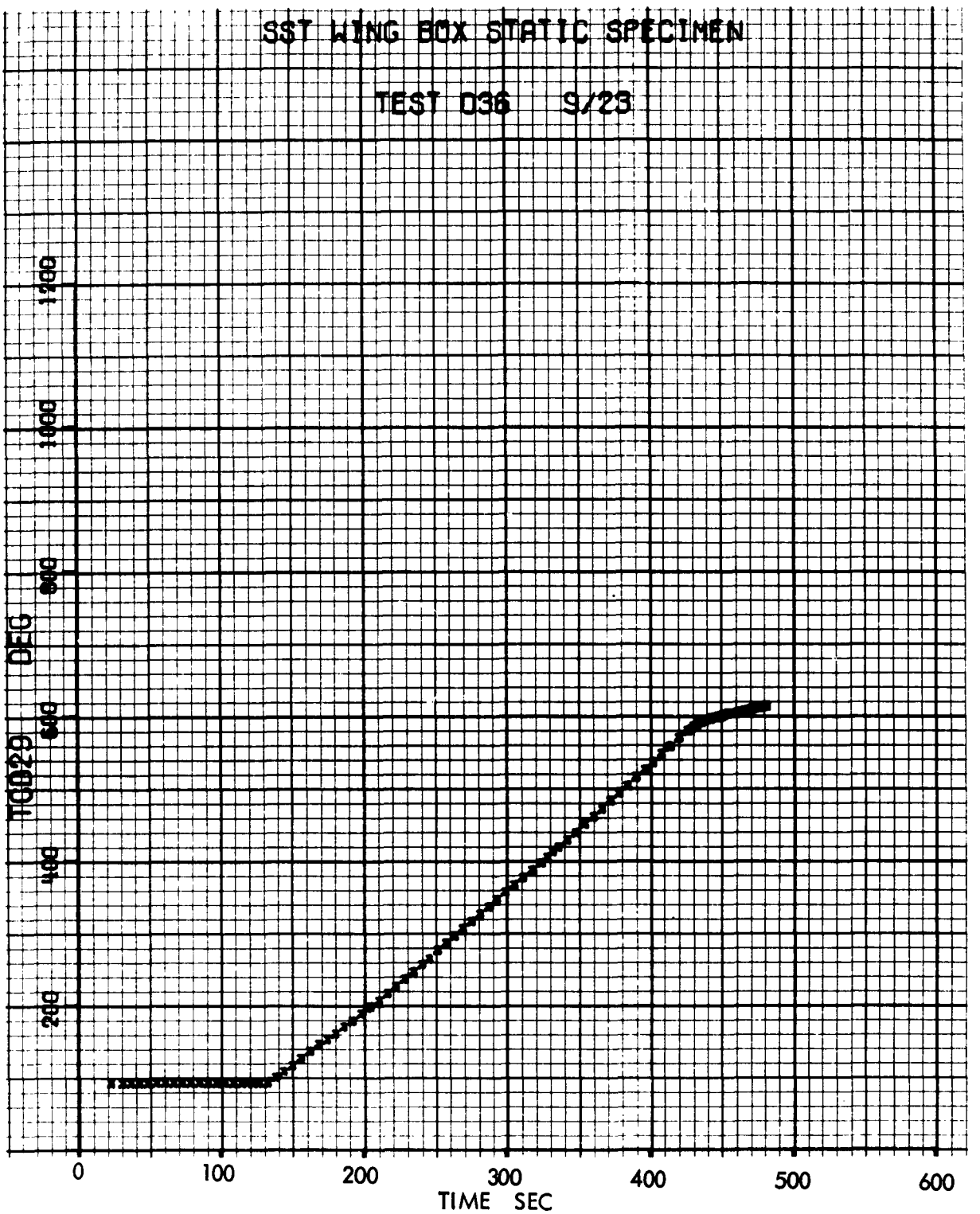
TIME SEC


SST WING BOX STATIC SPECIMEN
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DEG
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200
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100
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400
500
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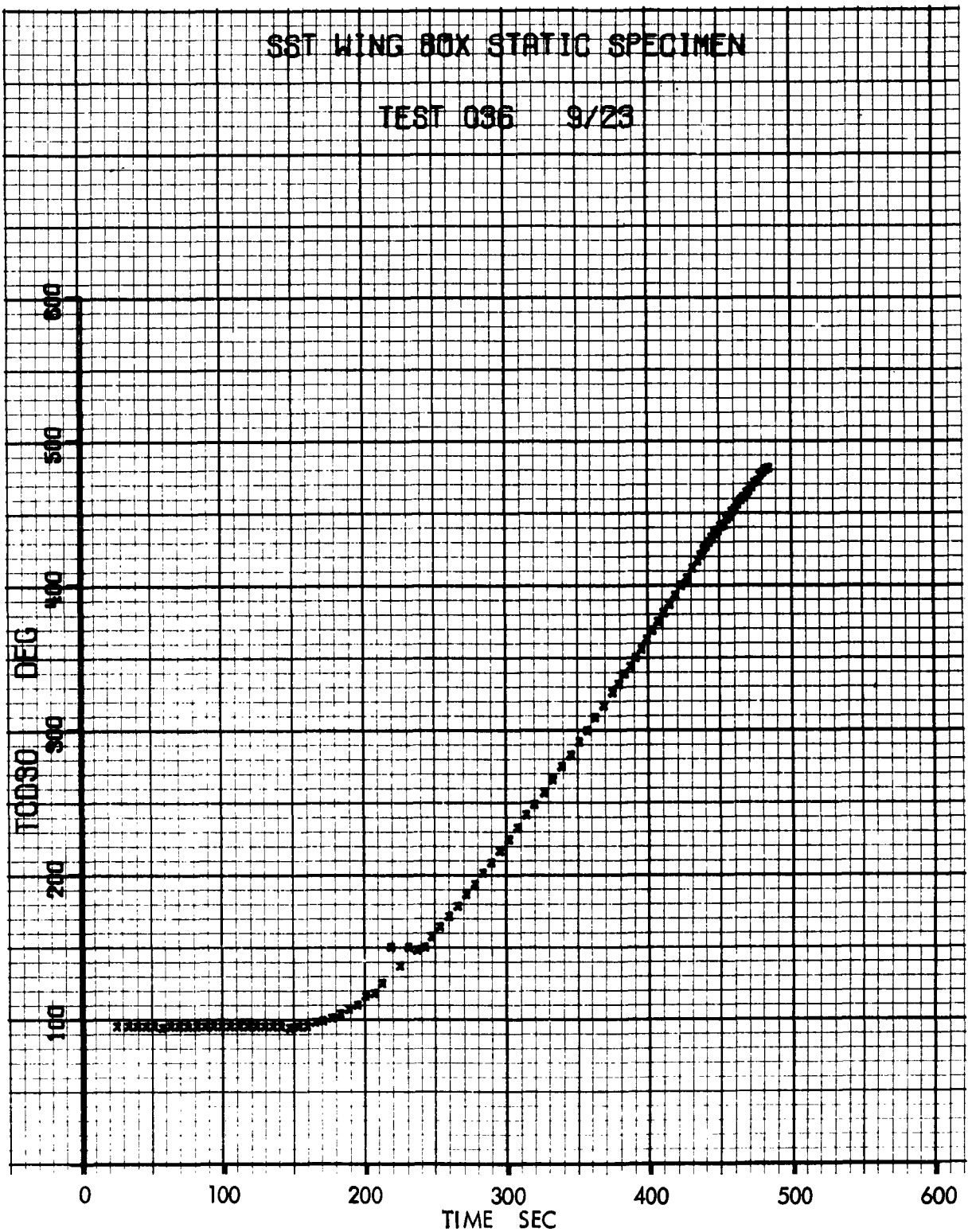
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
T6050 DEG
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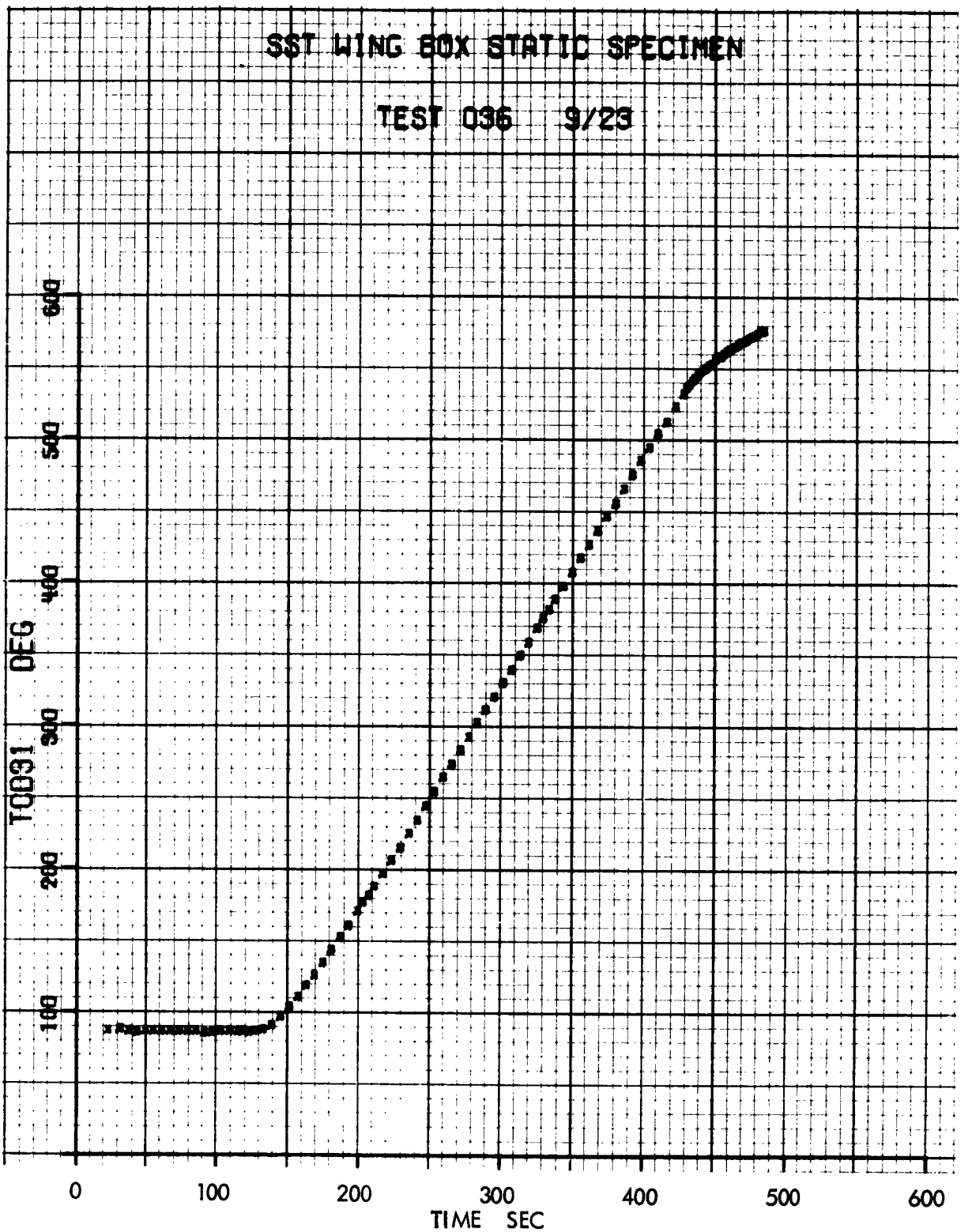
TIME SEC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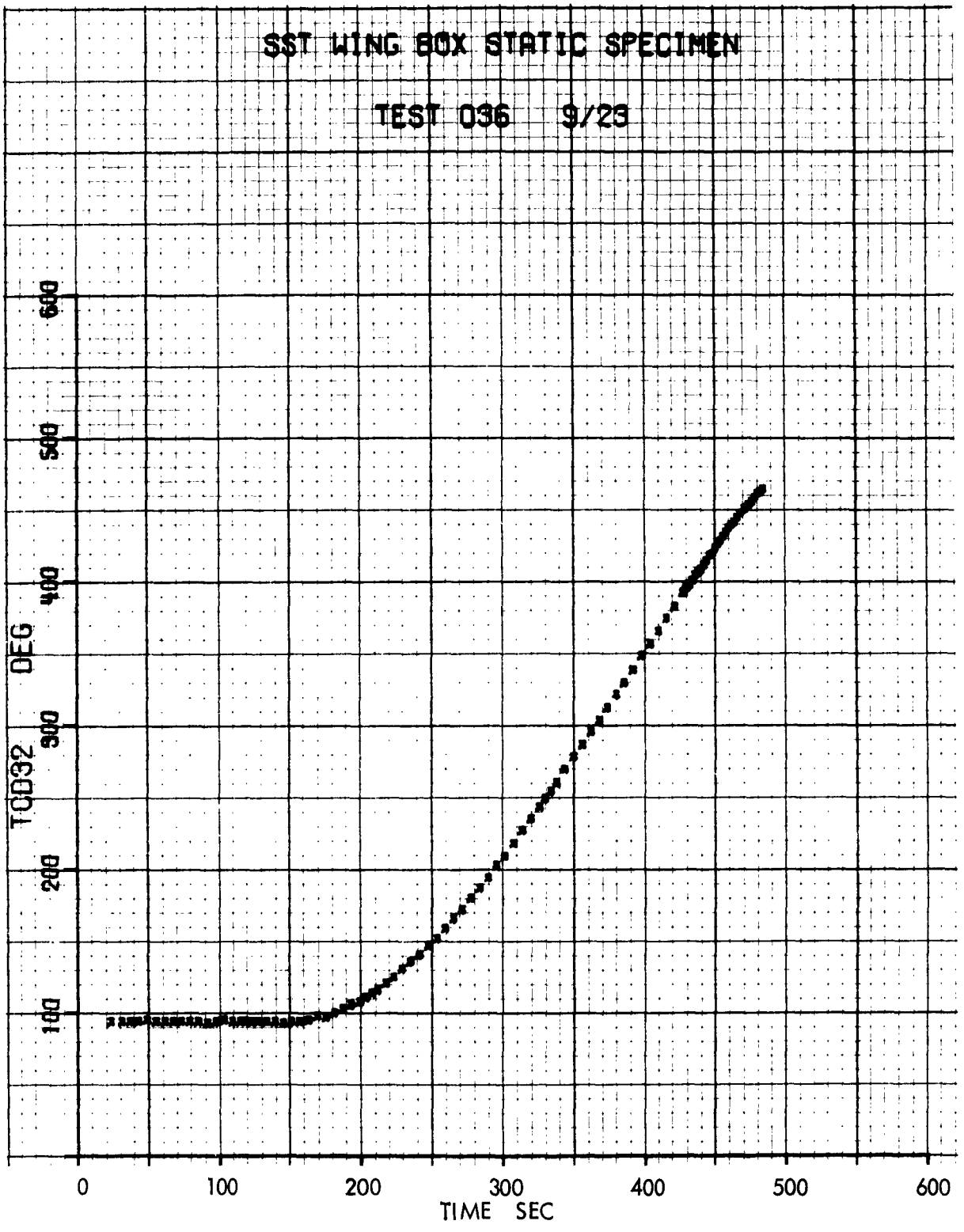
TIME SEC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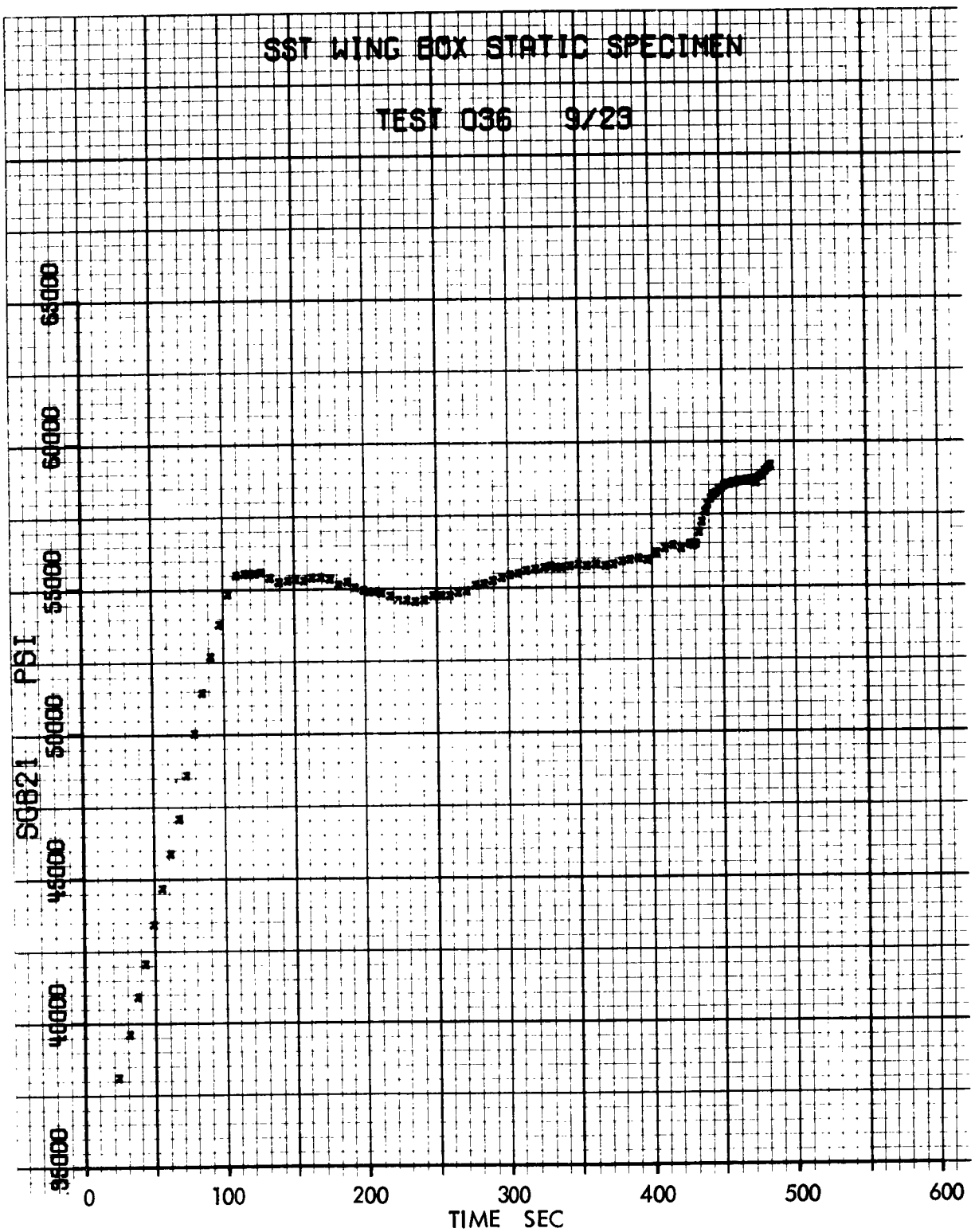
TIME SEC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TEST 036 9/23
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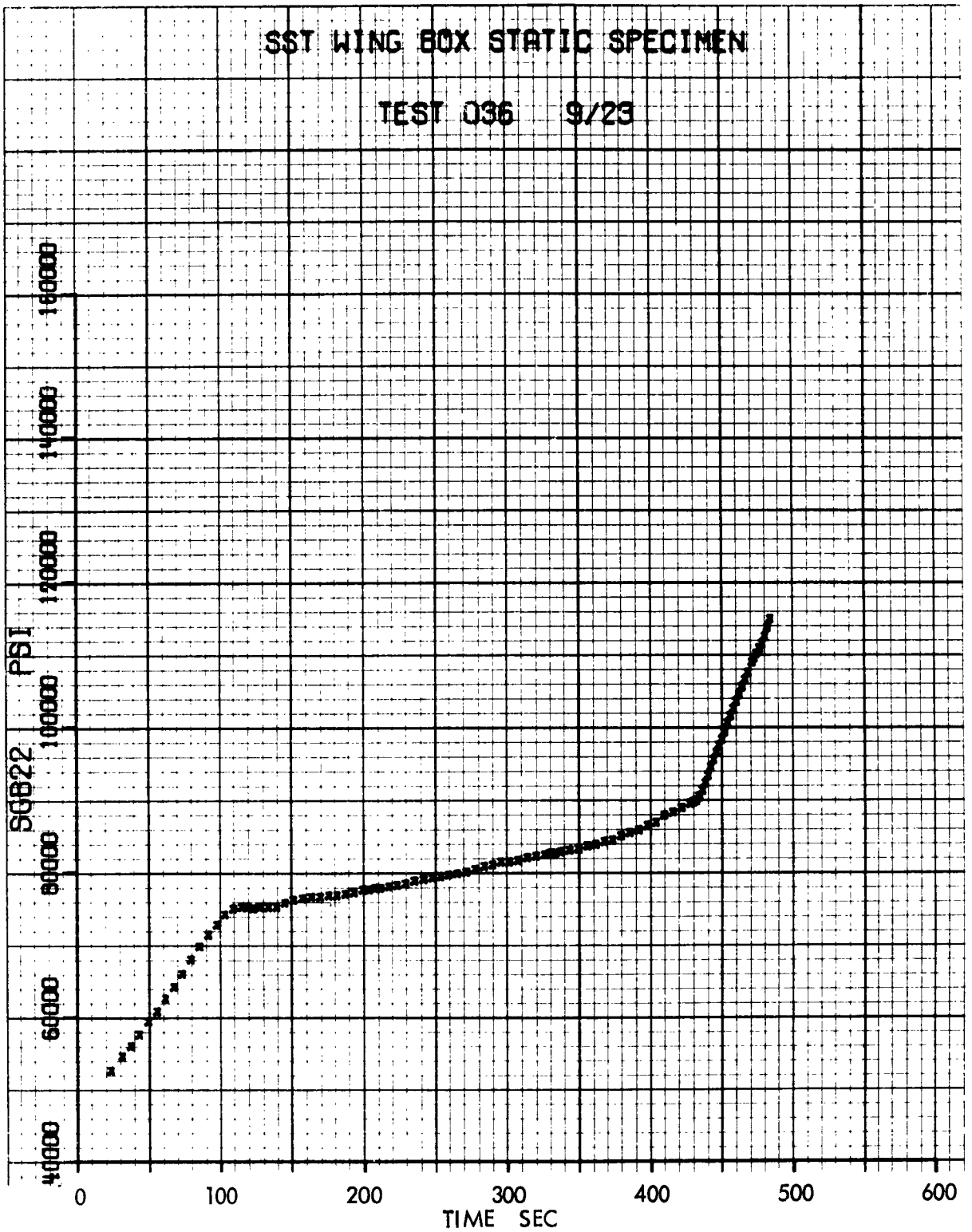
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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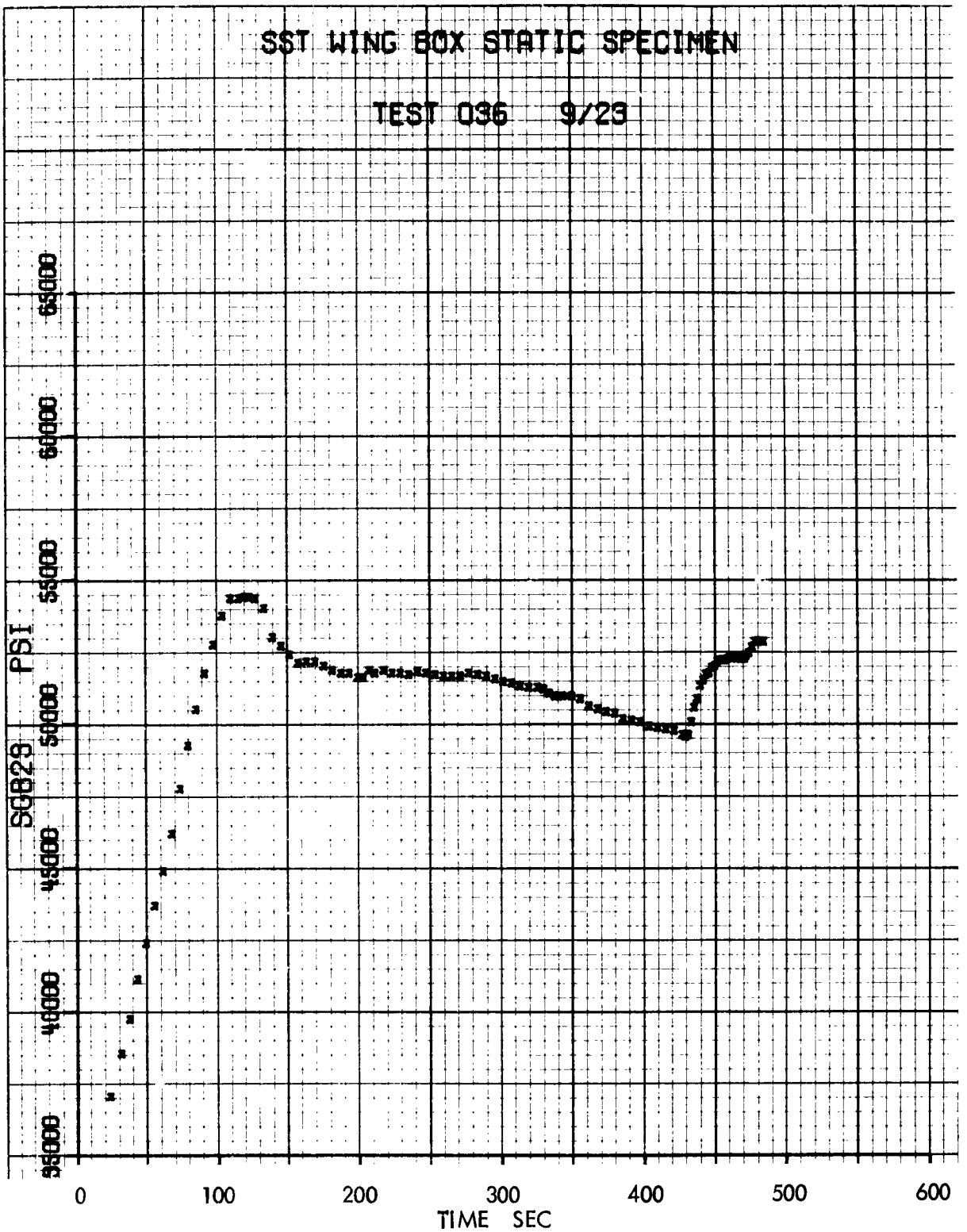
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TEST 036 9/23
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PSI
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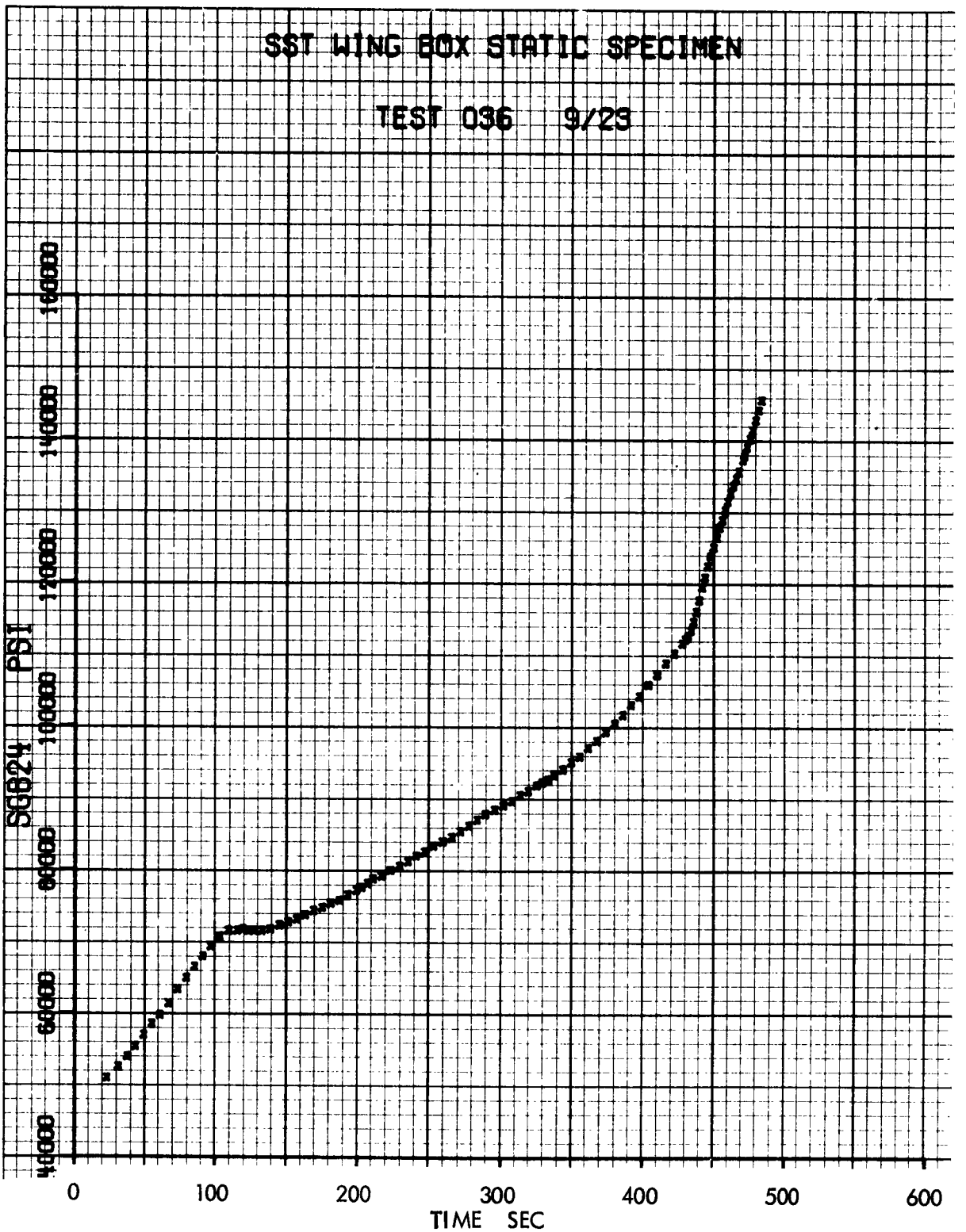
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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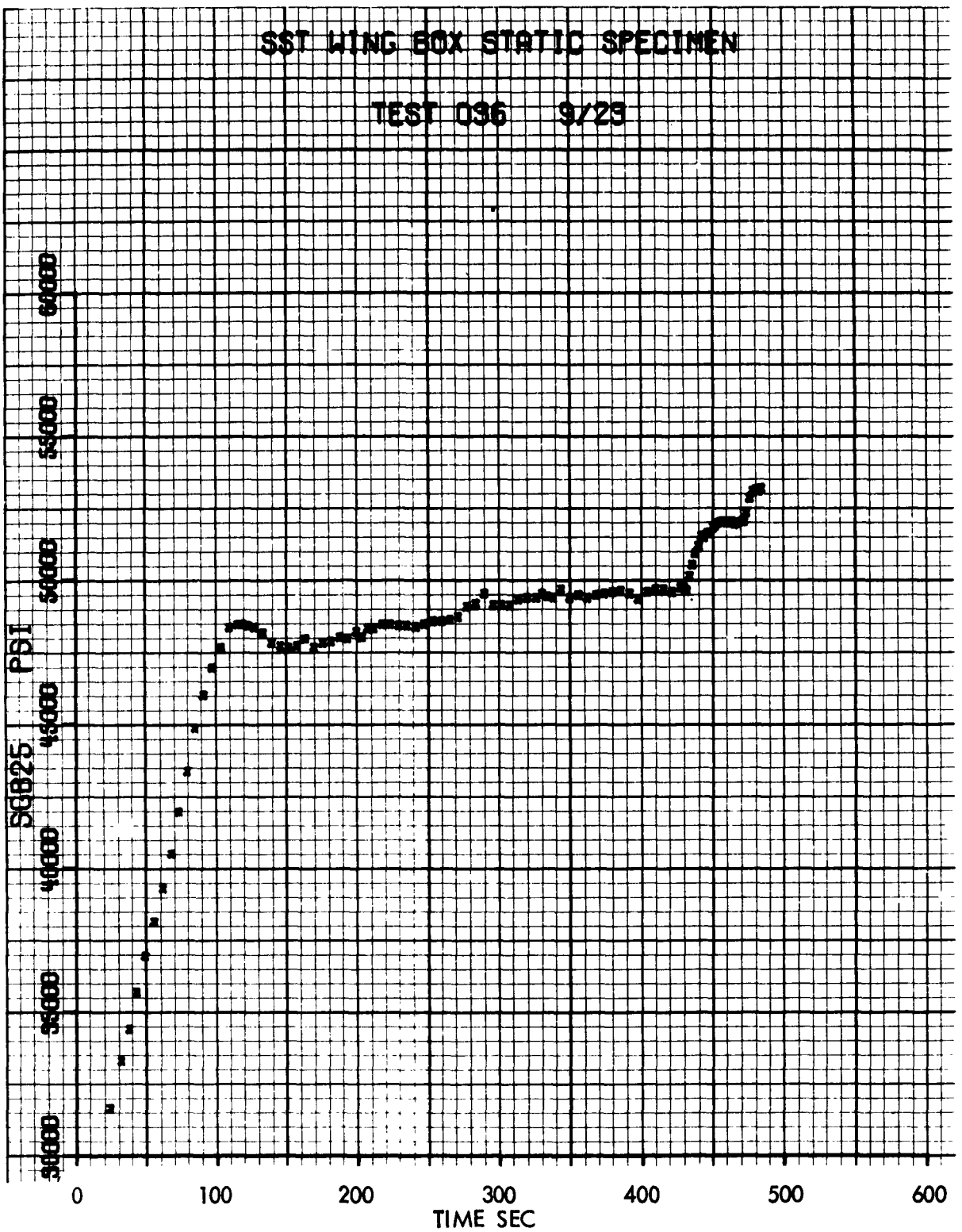
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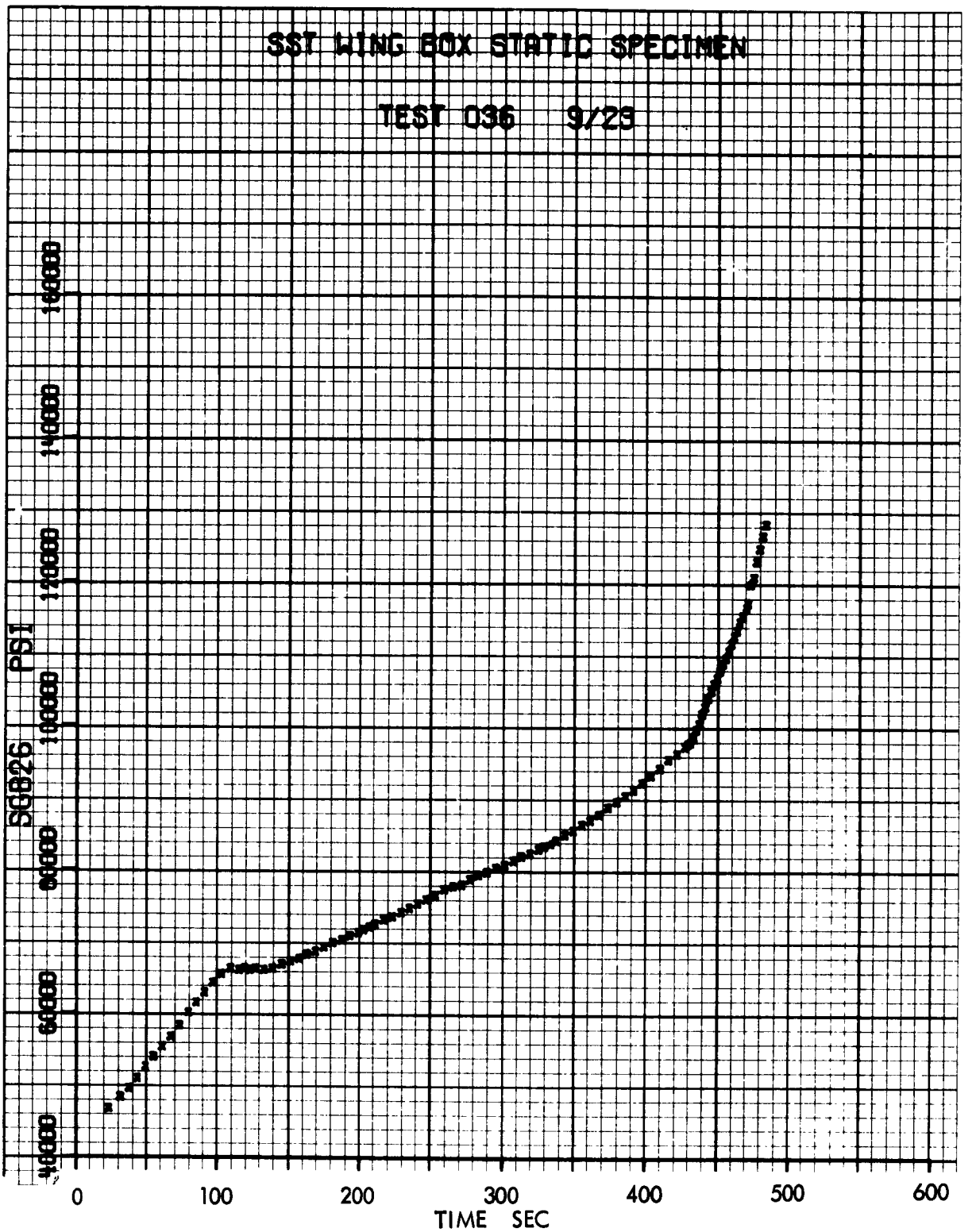
TIME SEC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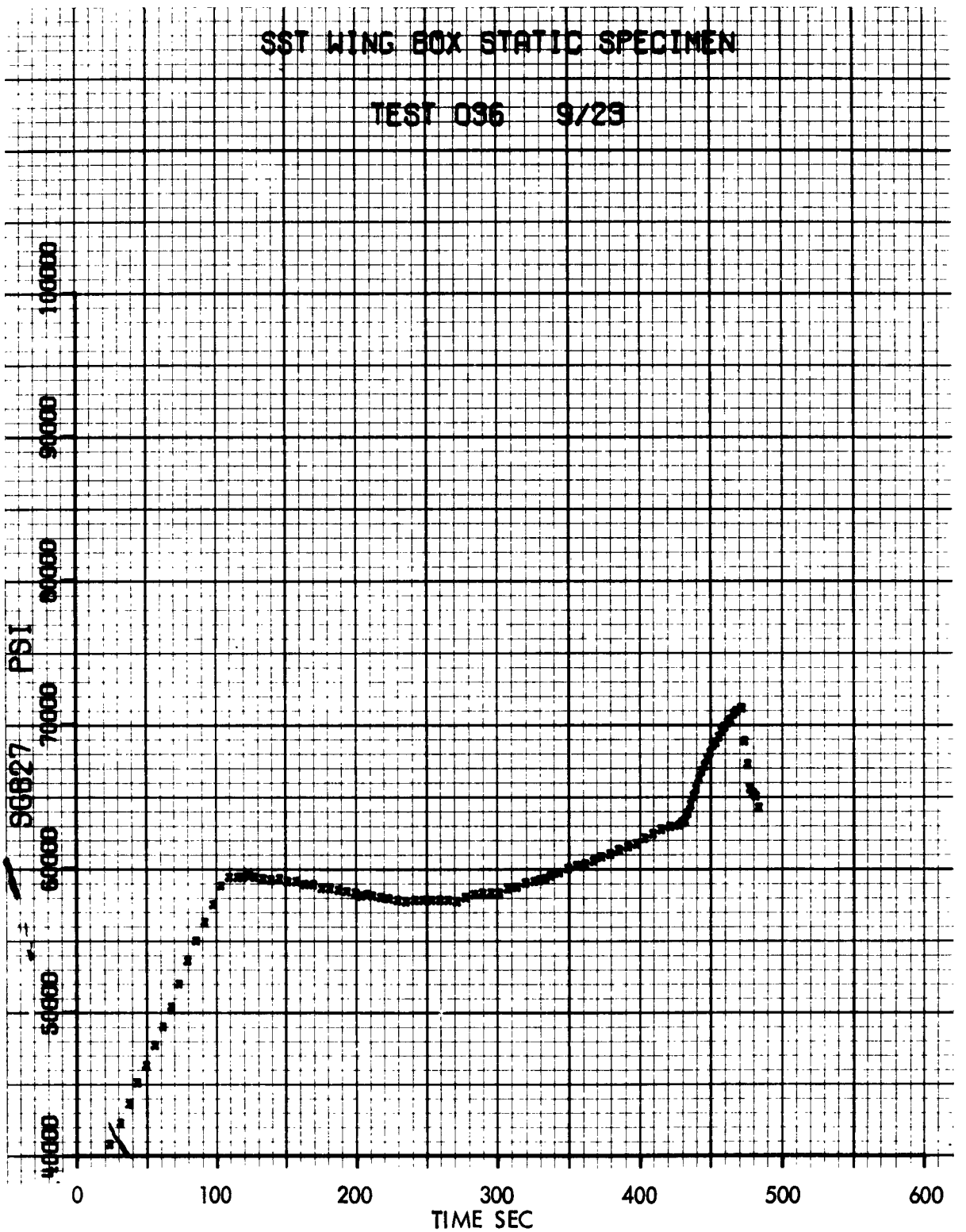
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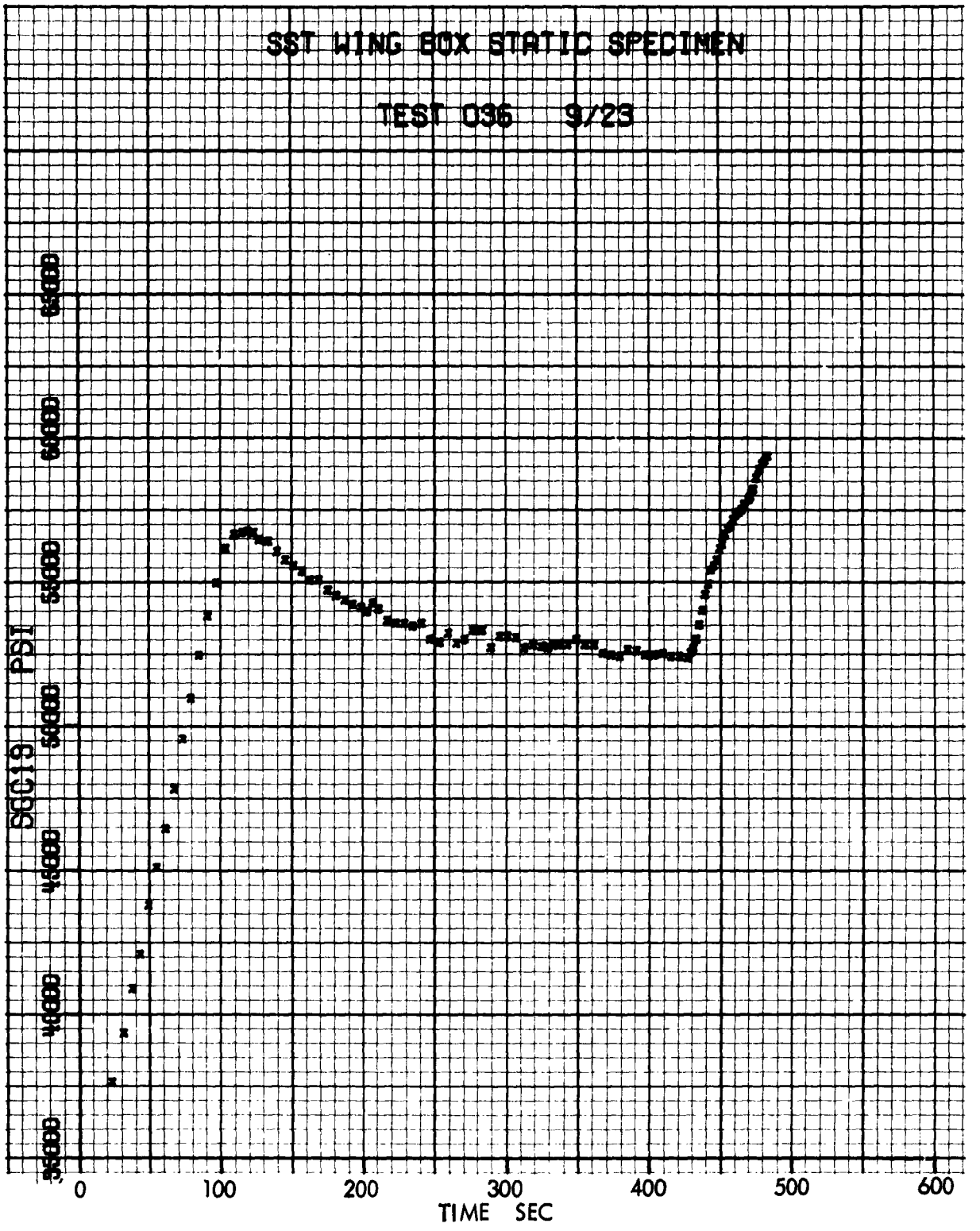
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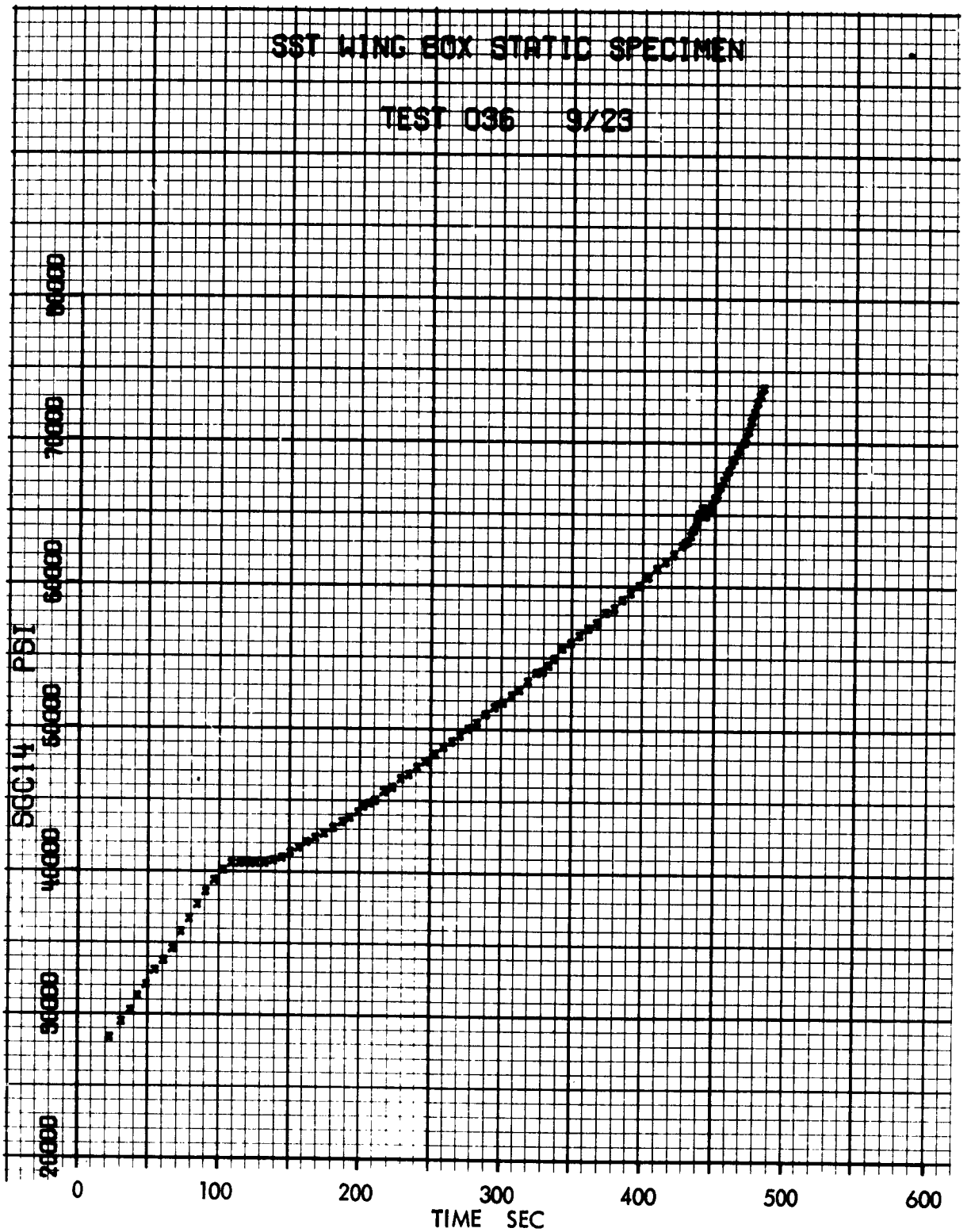
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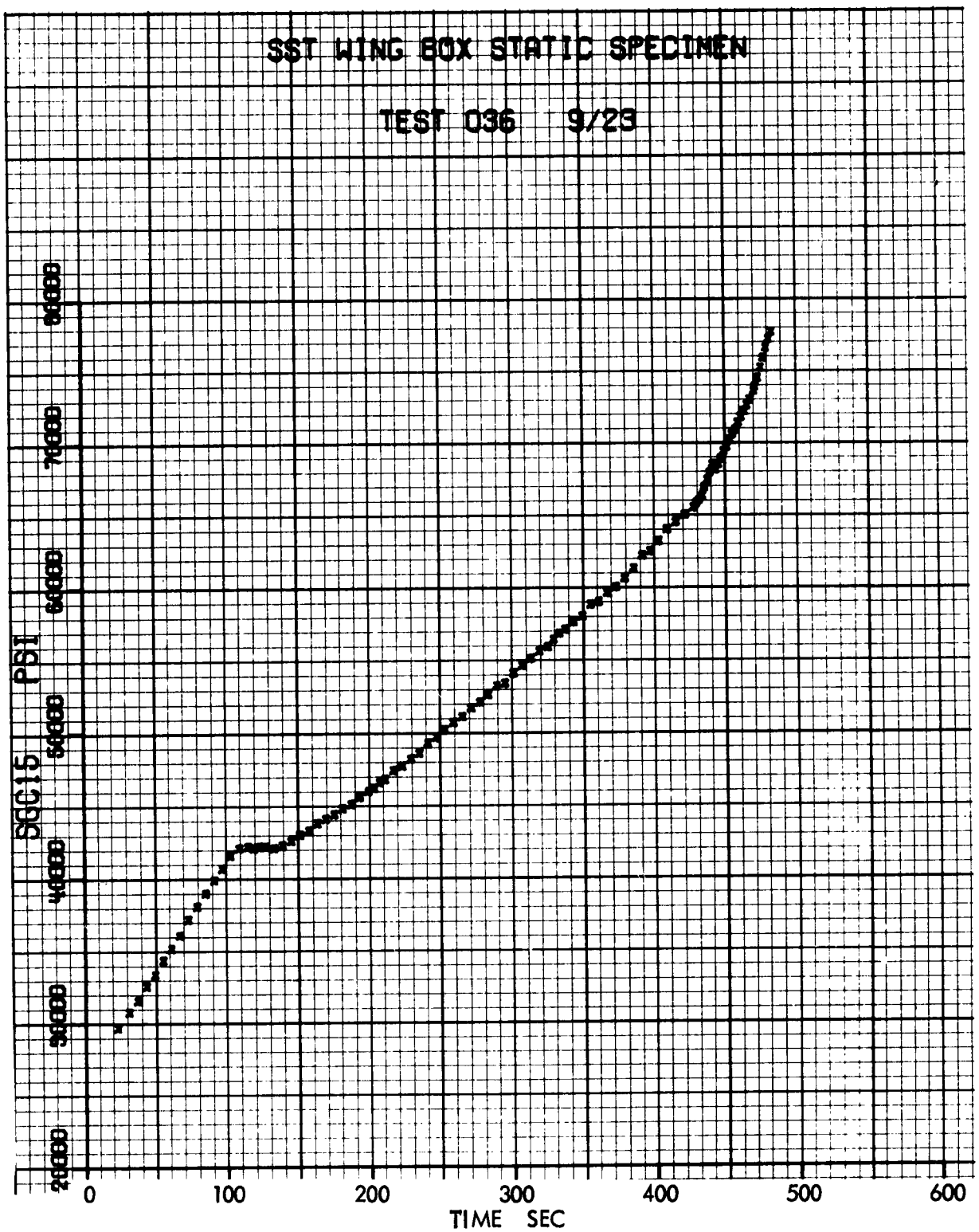
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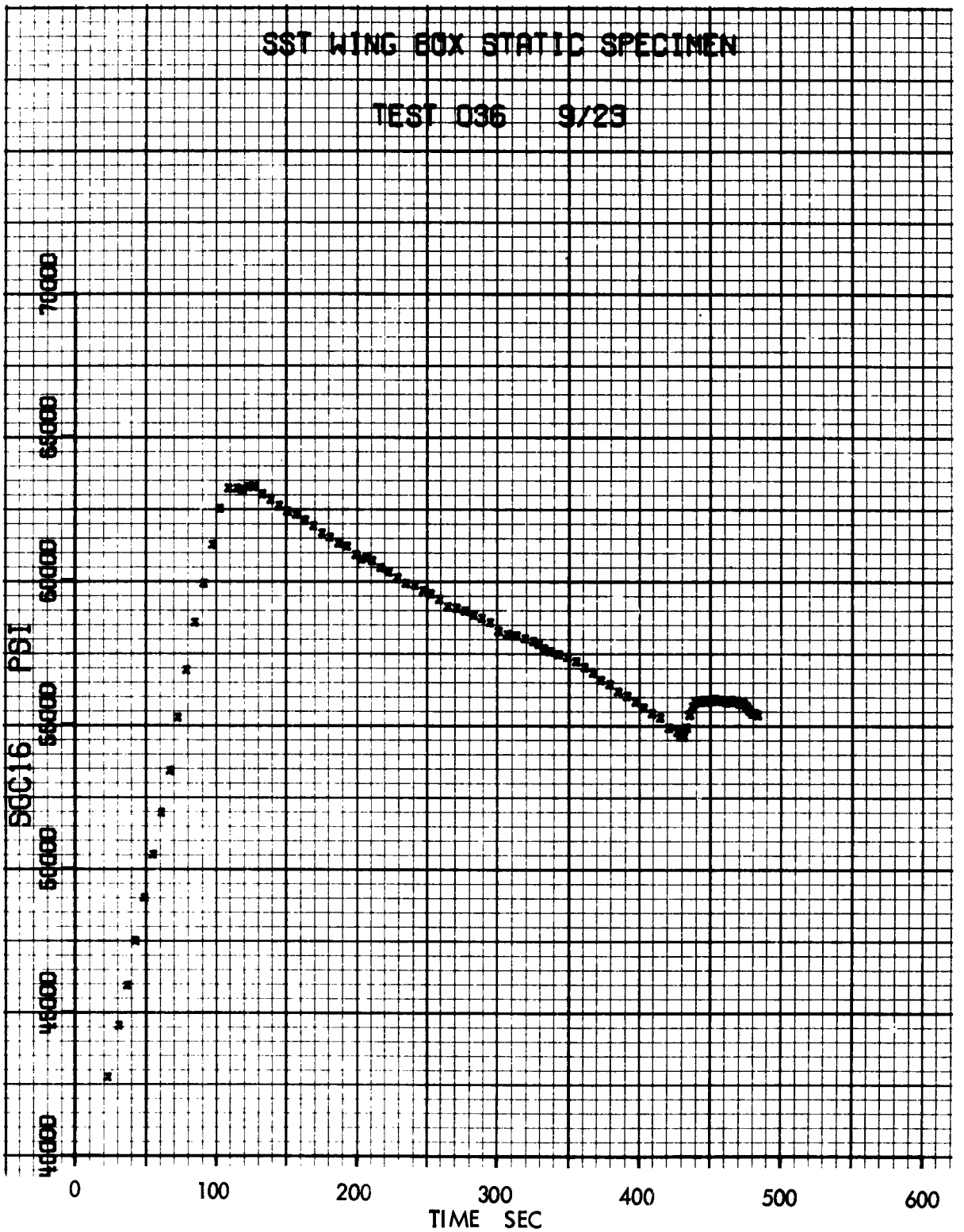
SST WING BOX STATIC SPECIMEN
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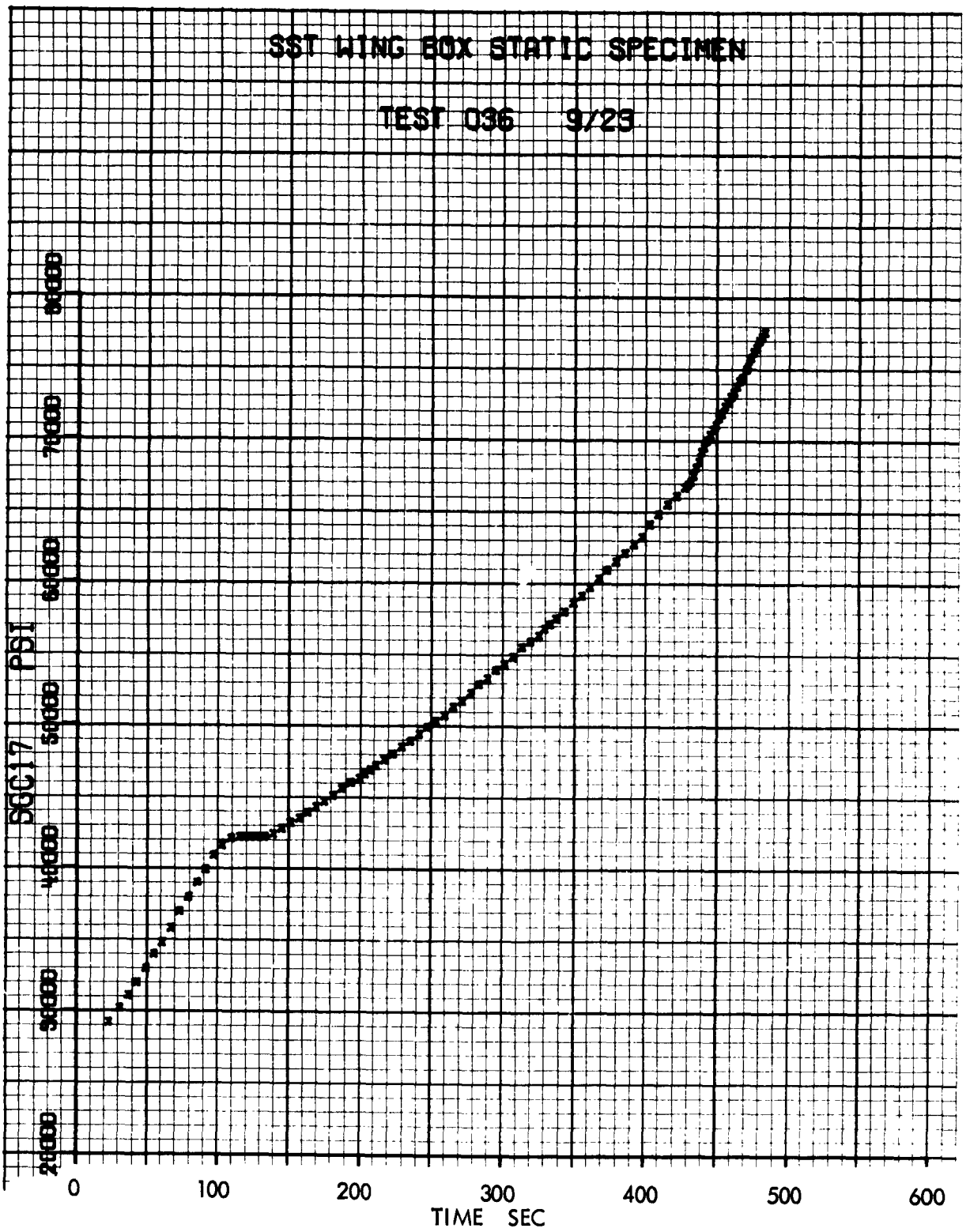
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TEST 036 9/23
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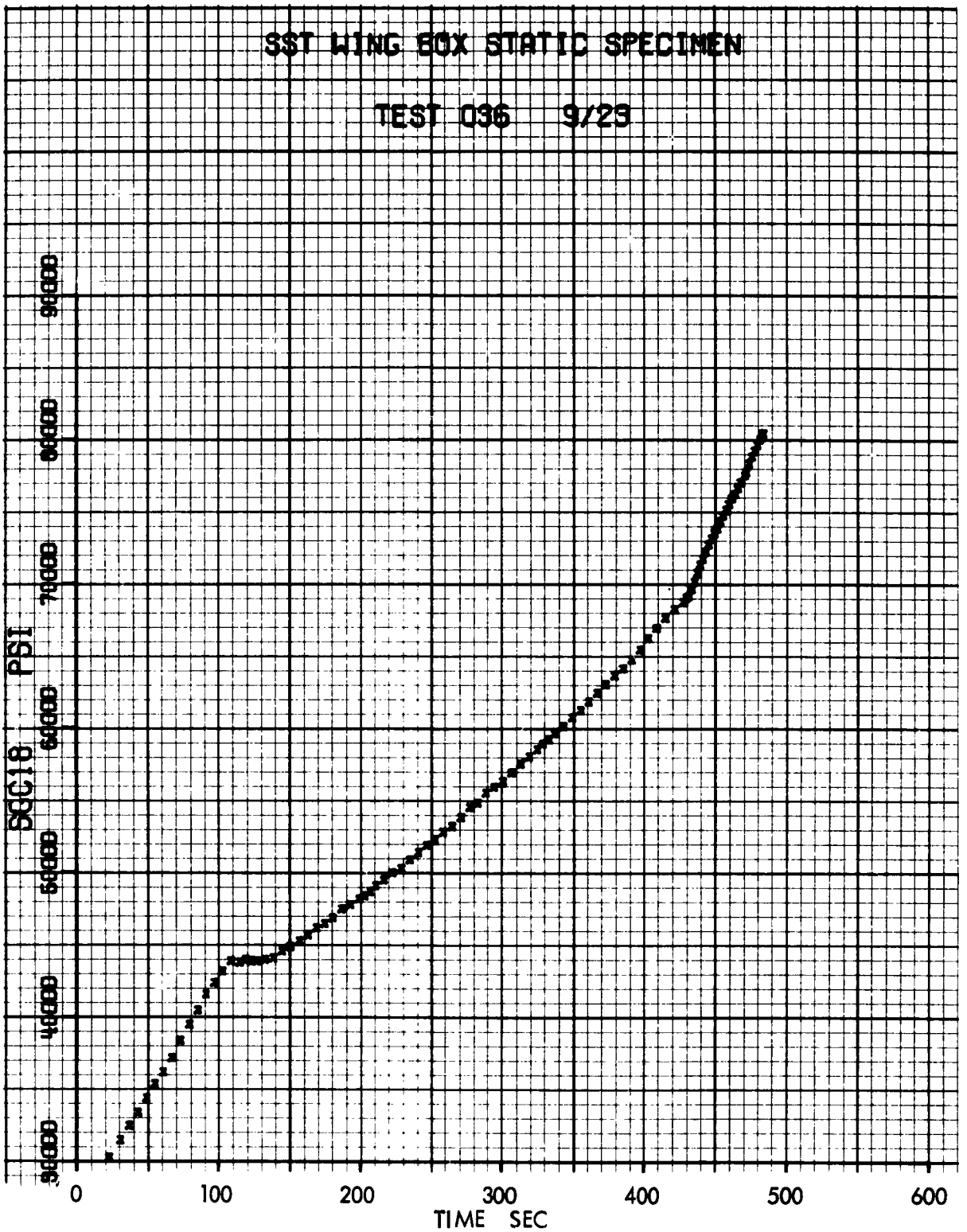
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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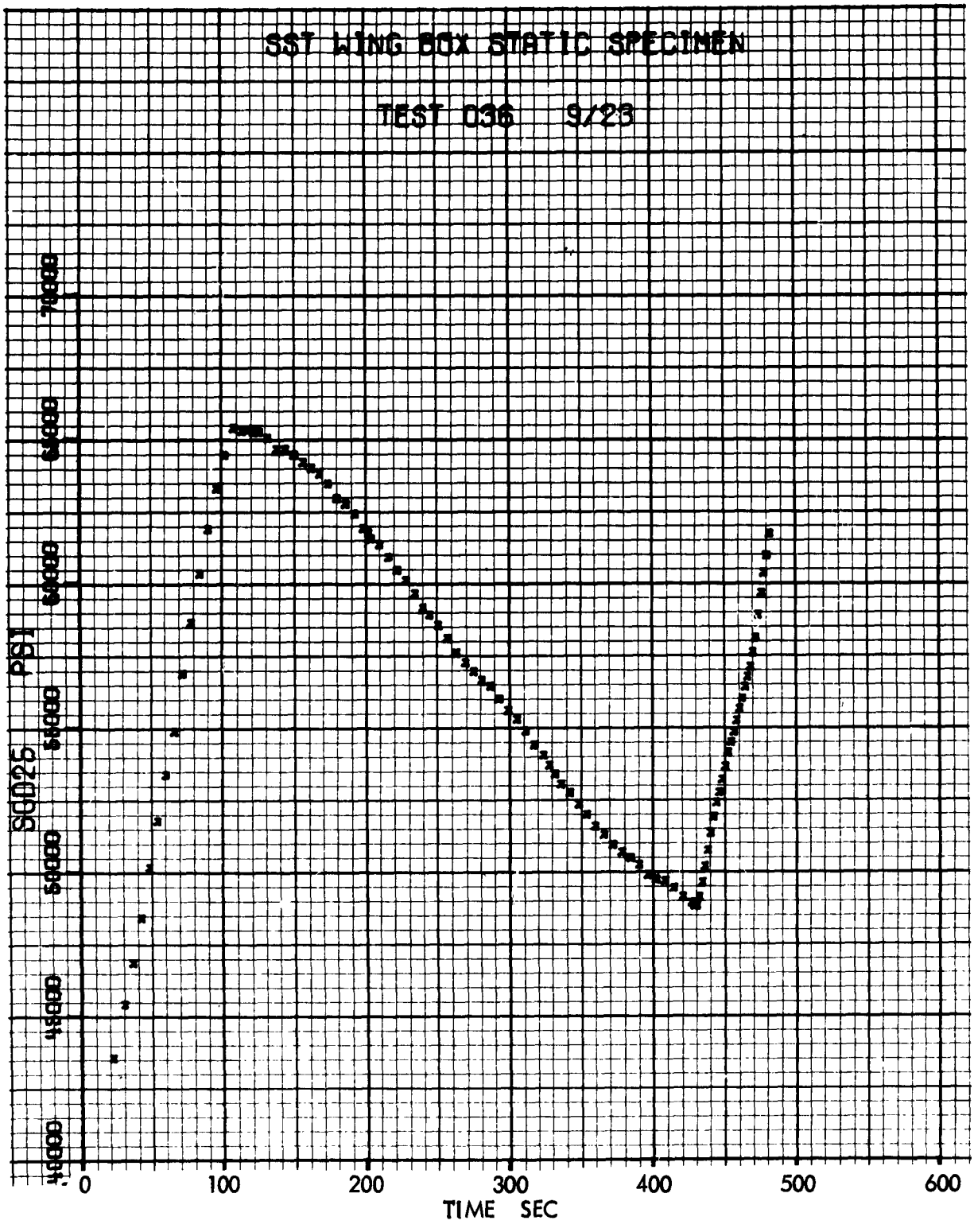
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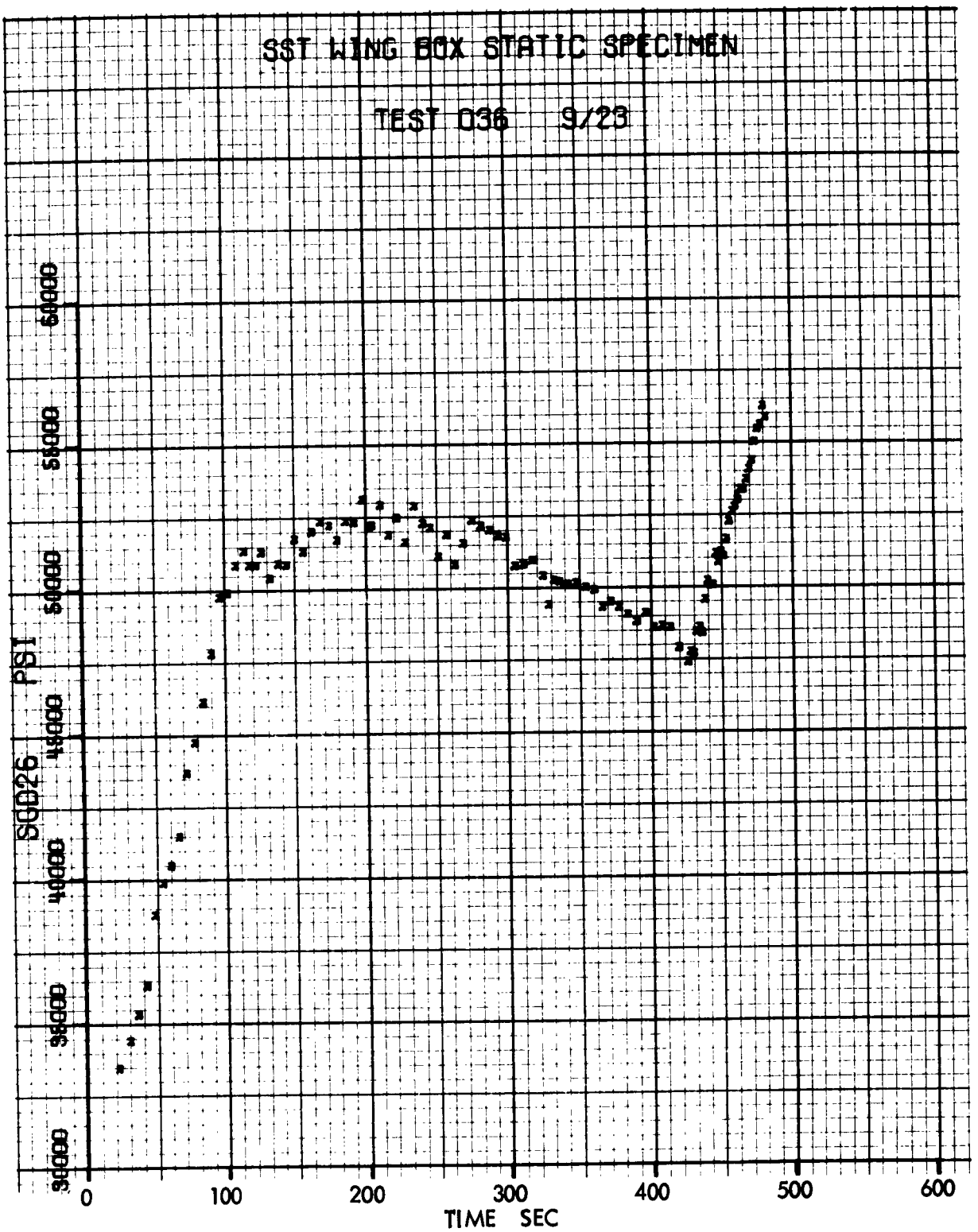
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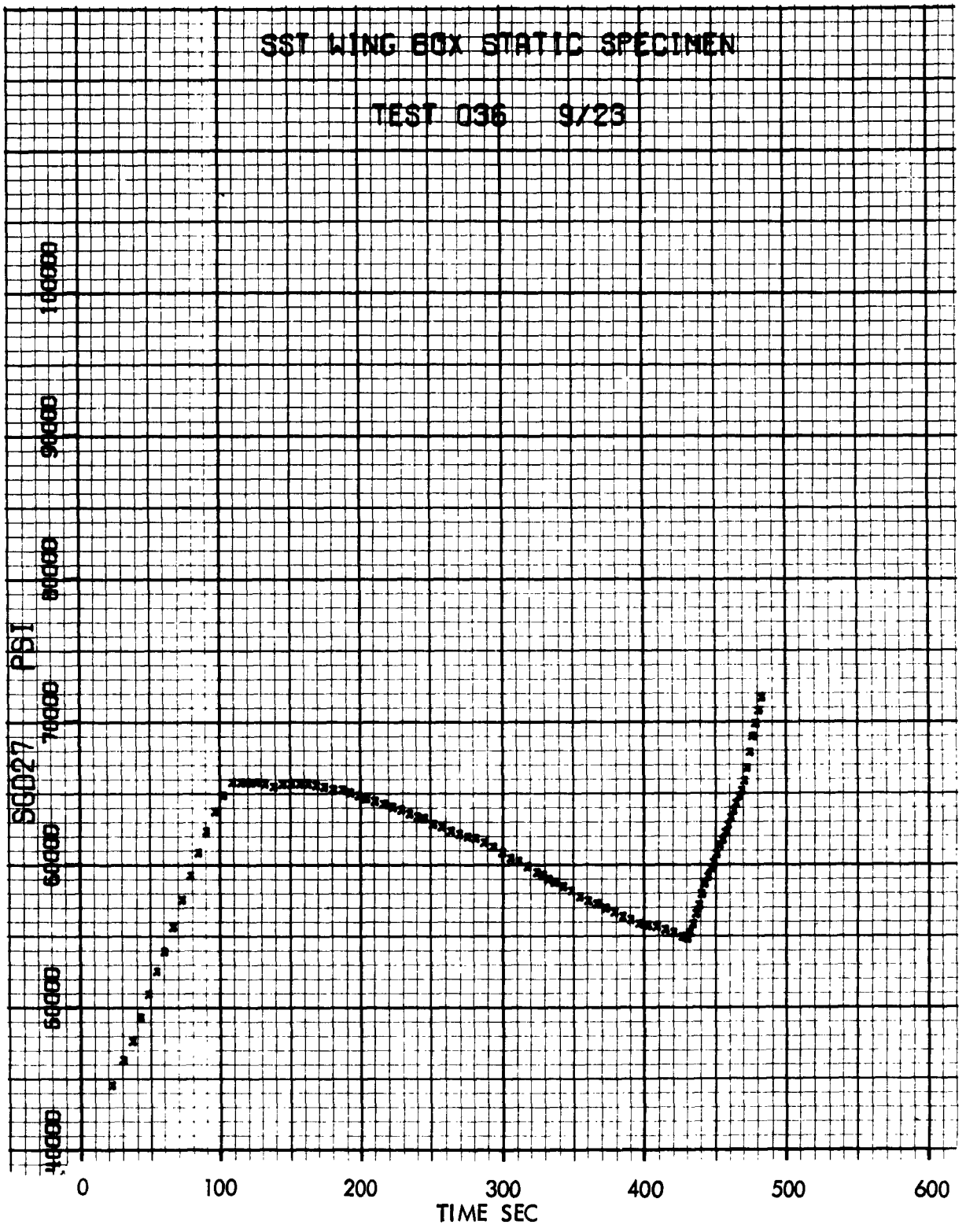
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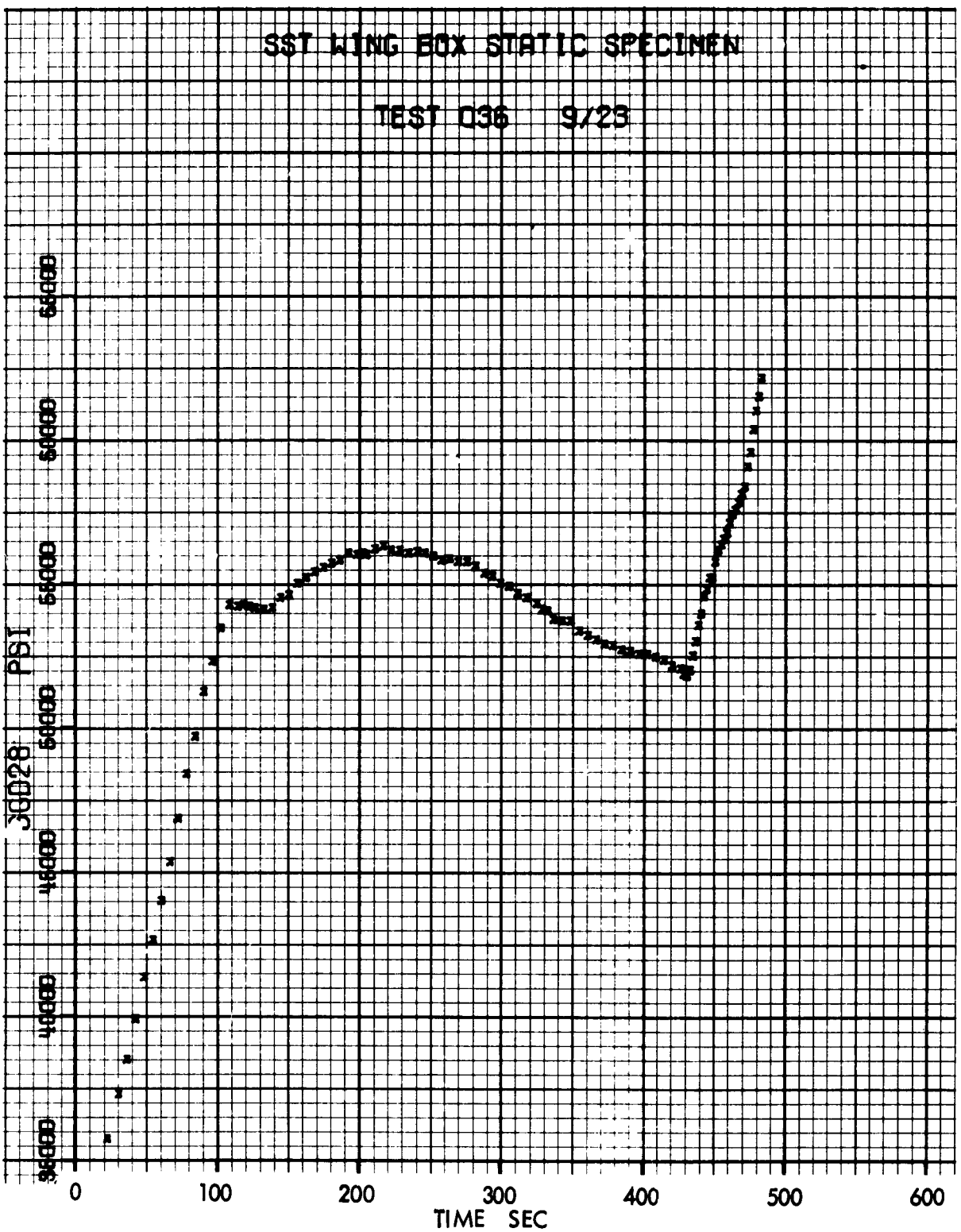
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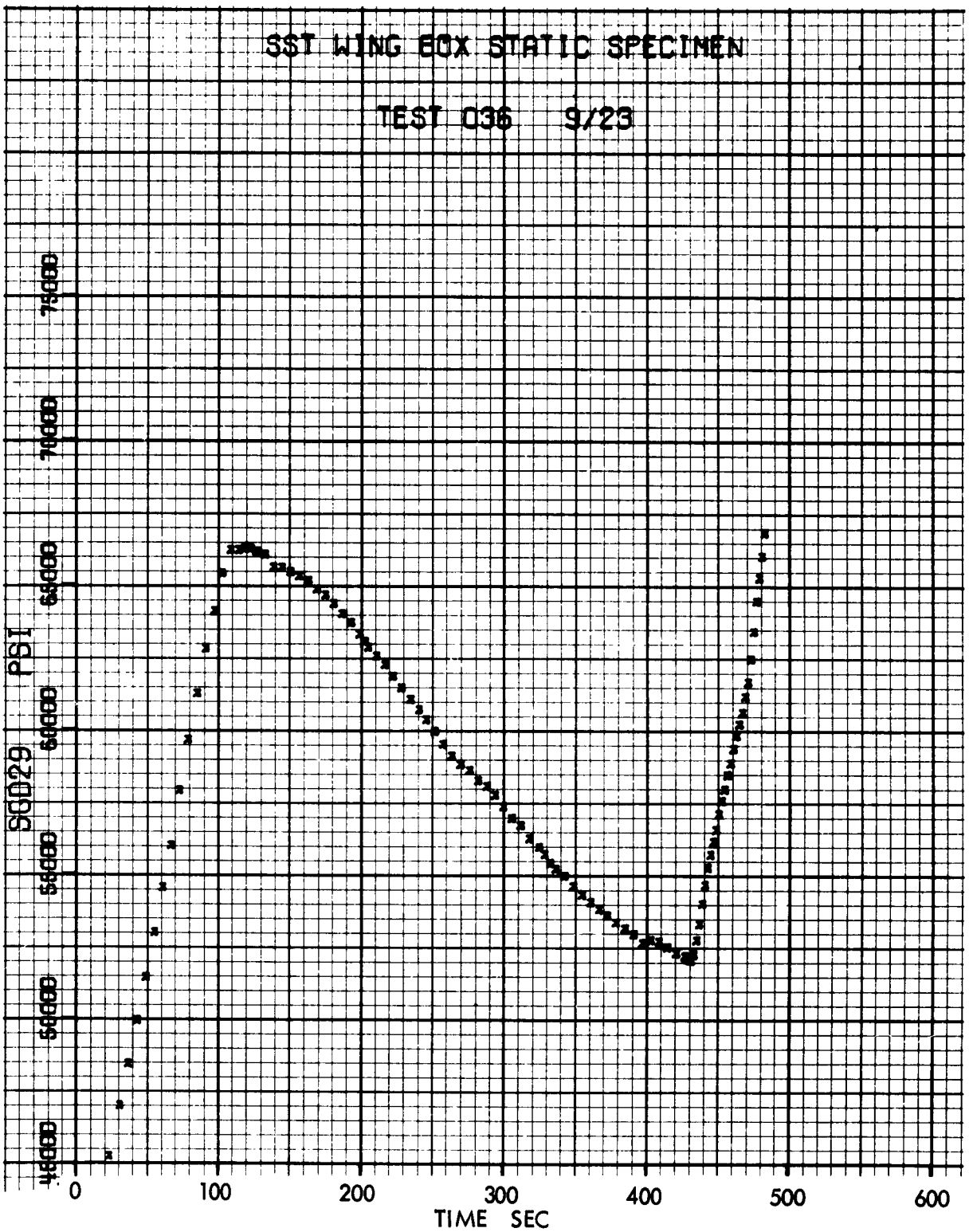
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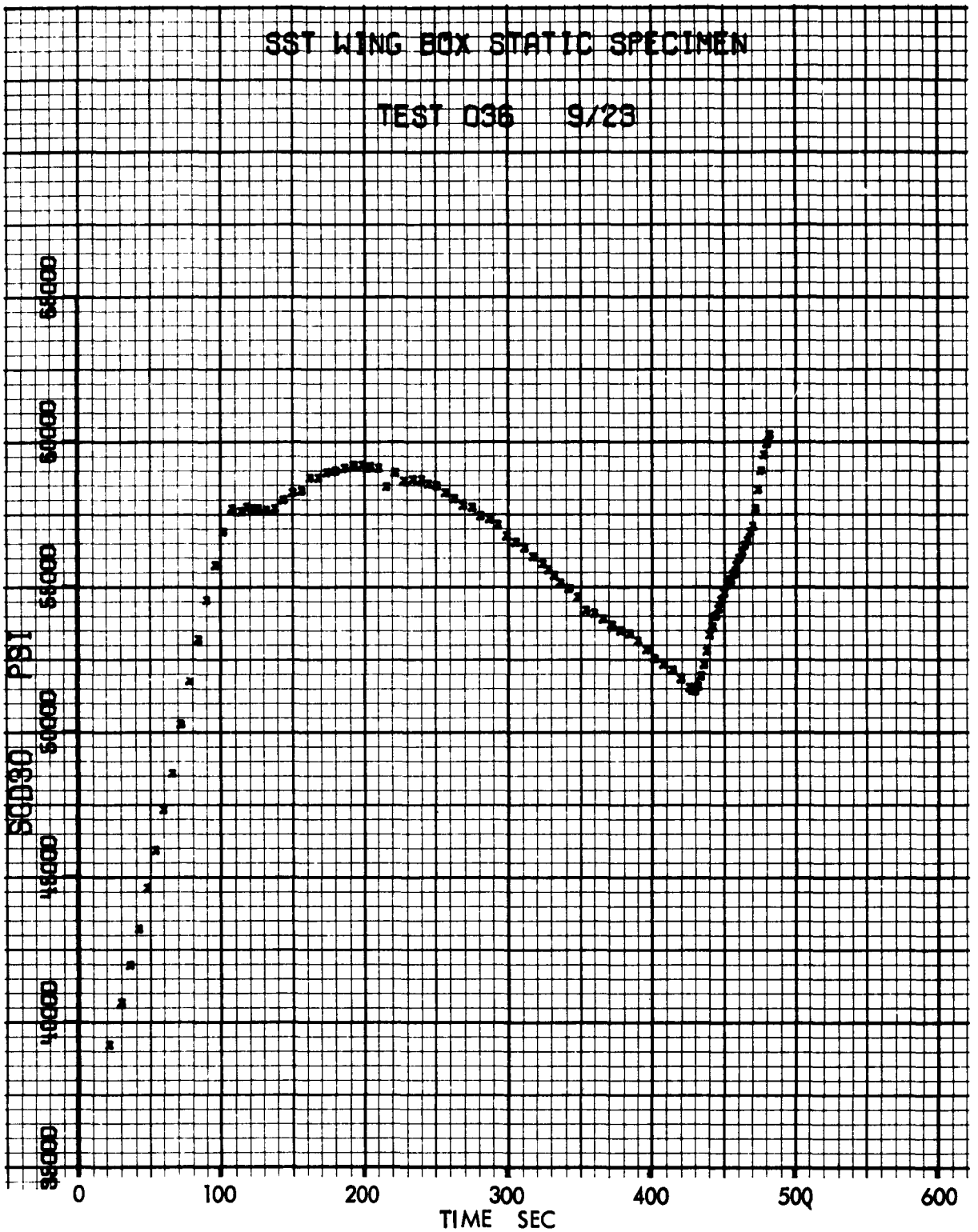
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TIME SEC
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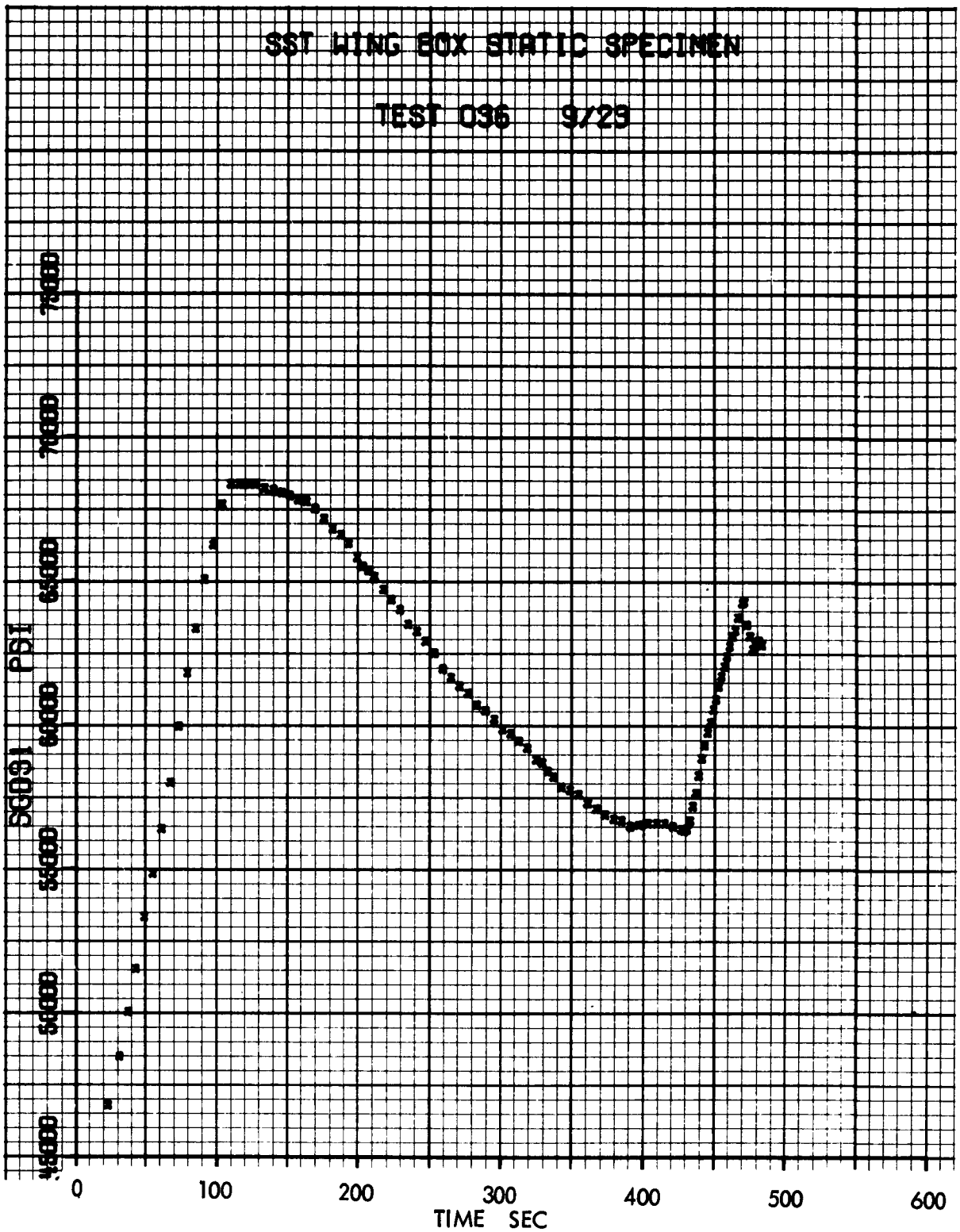
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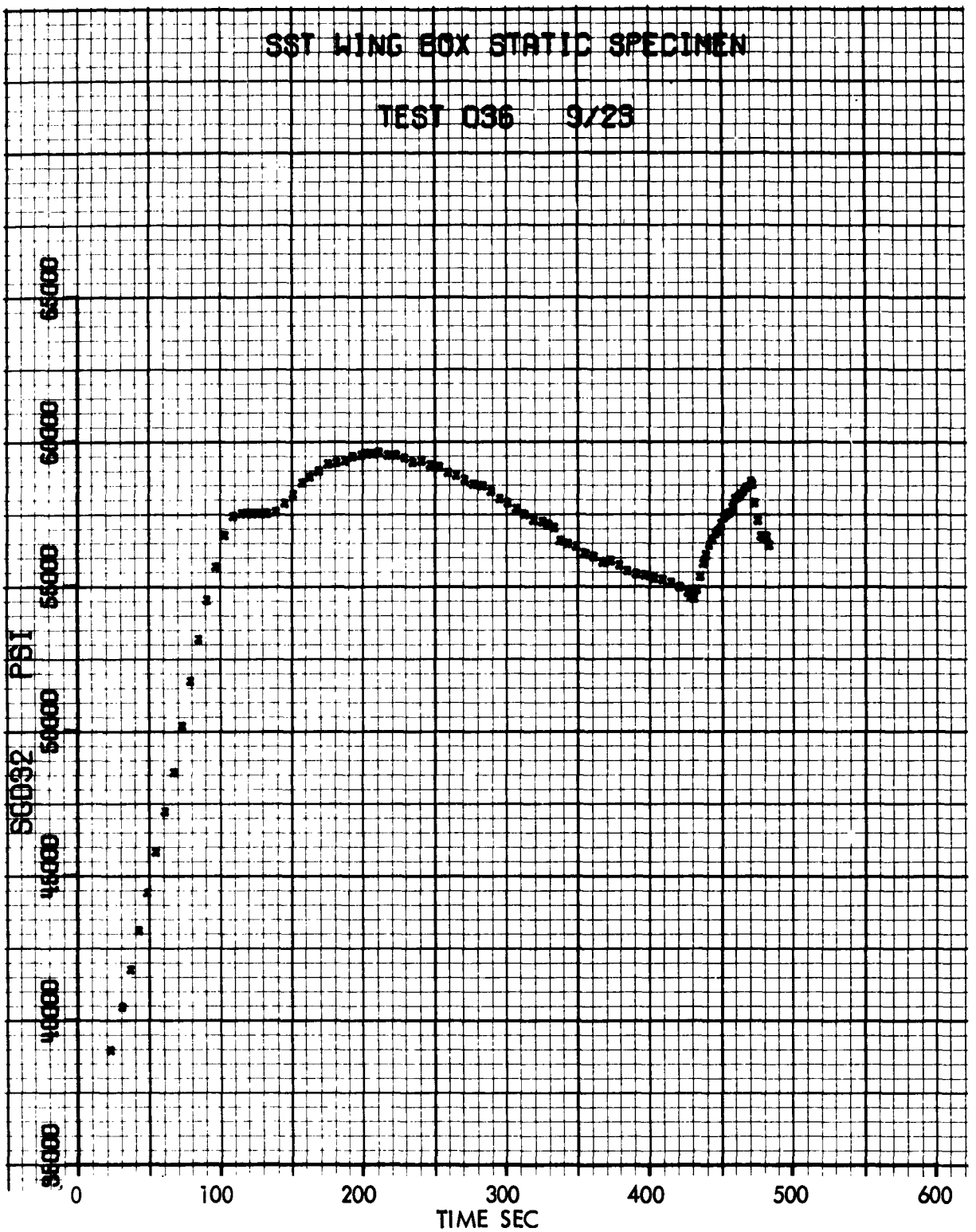
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG092 PSI
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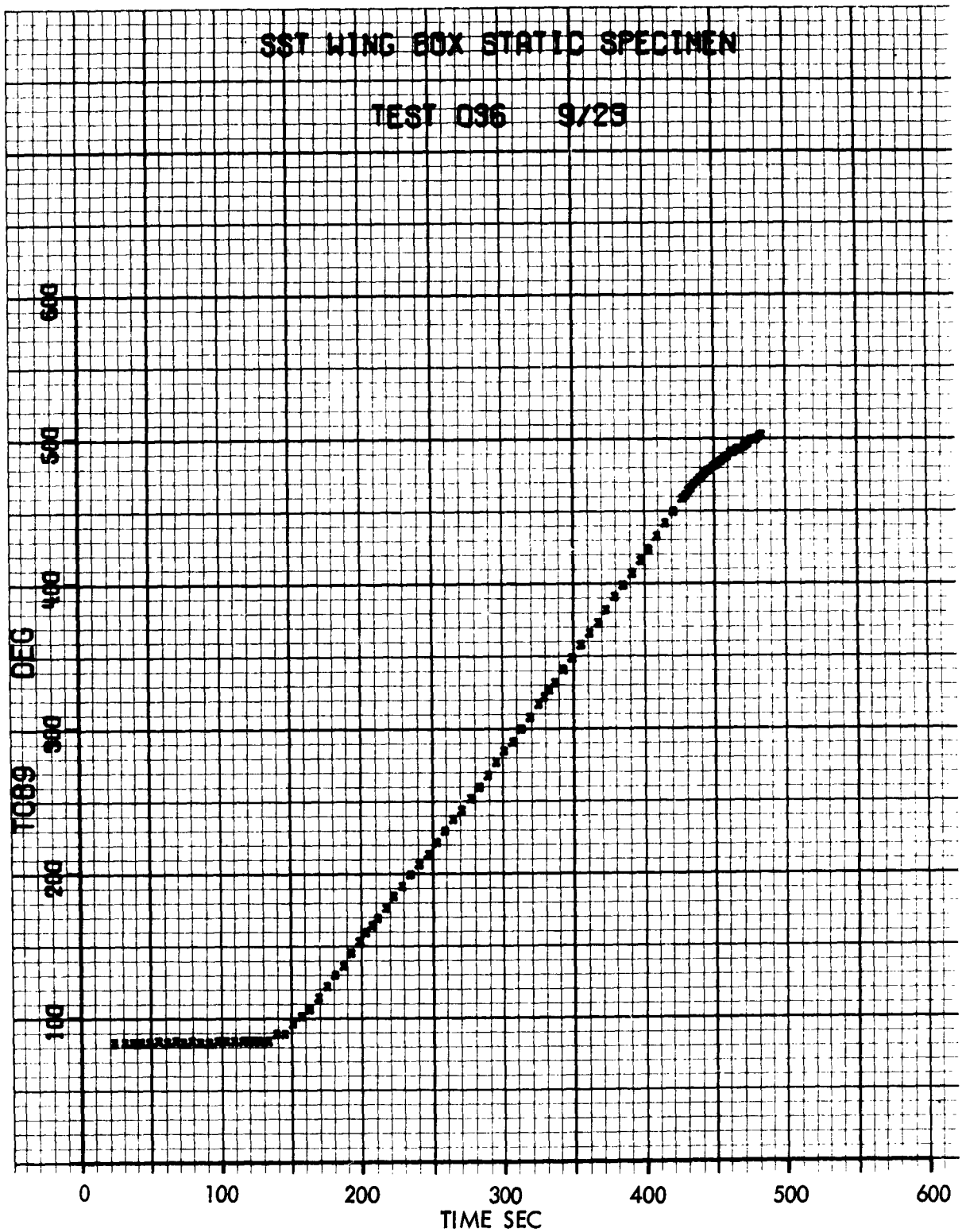
TIME SEC


SST WING BOX STATIC SPECIMEN
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T089 DEG
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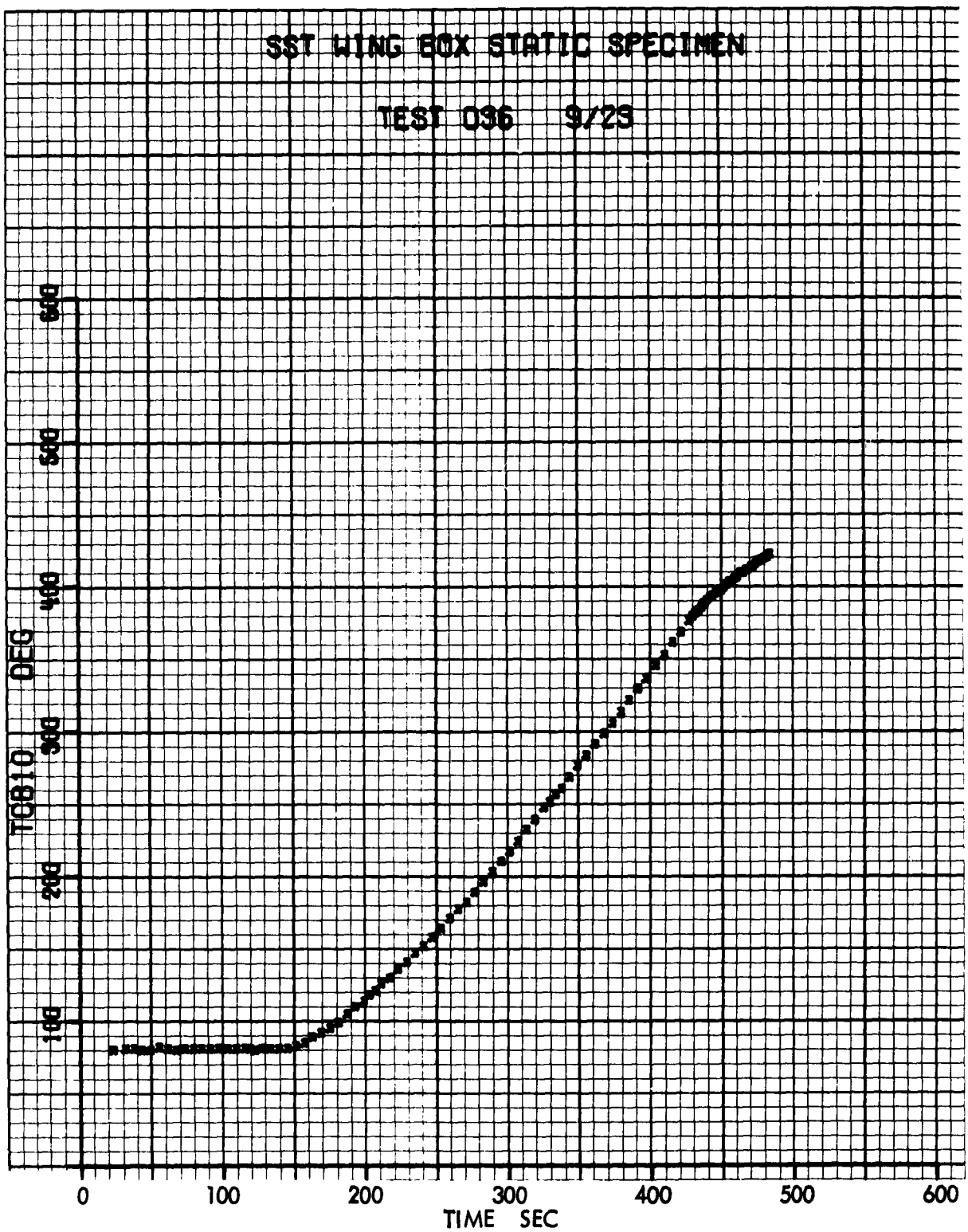
TIME SEC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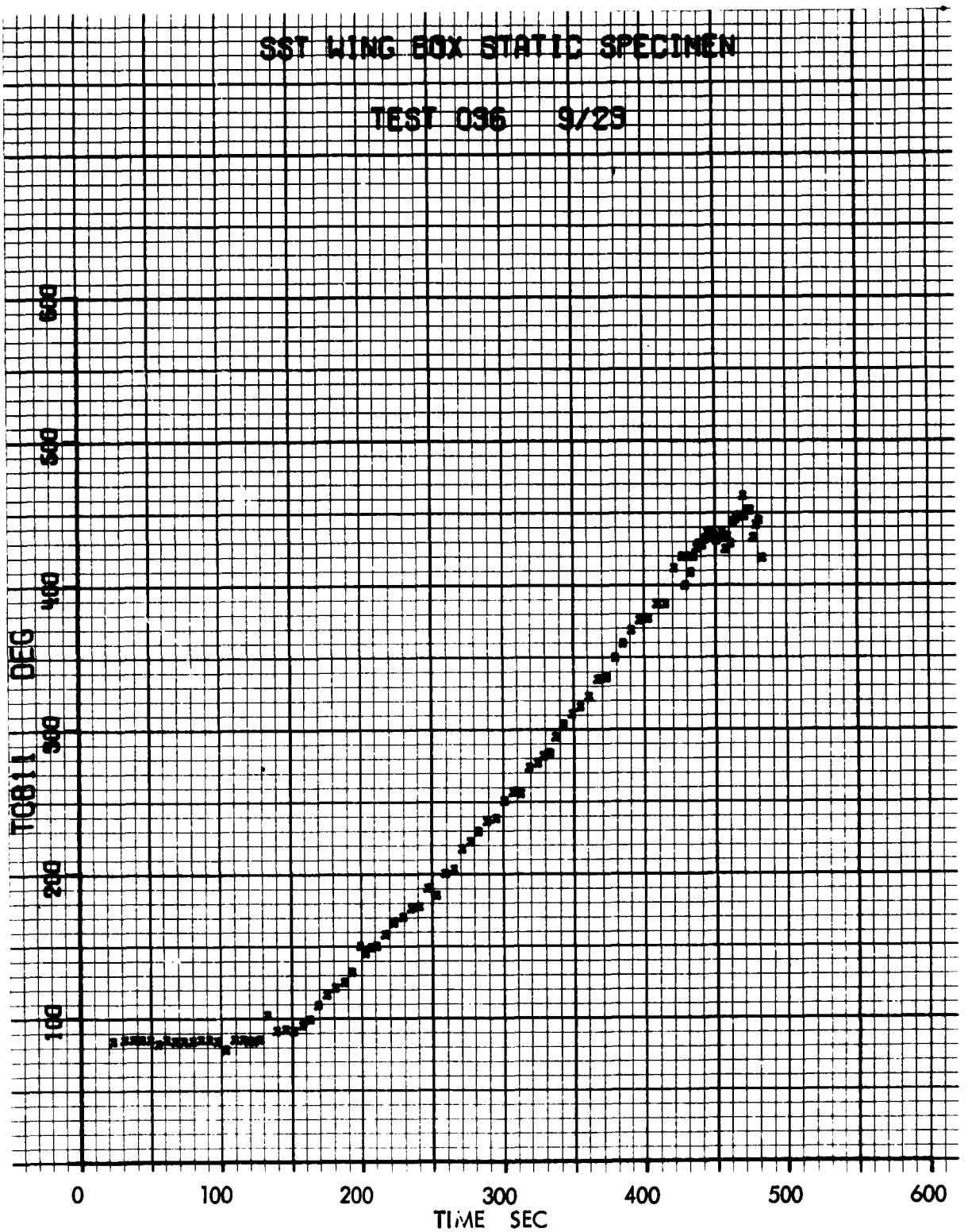
TIME SEC


SST WING BOX STATIC SPECIMEN
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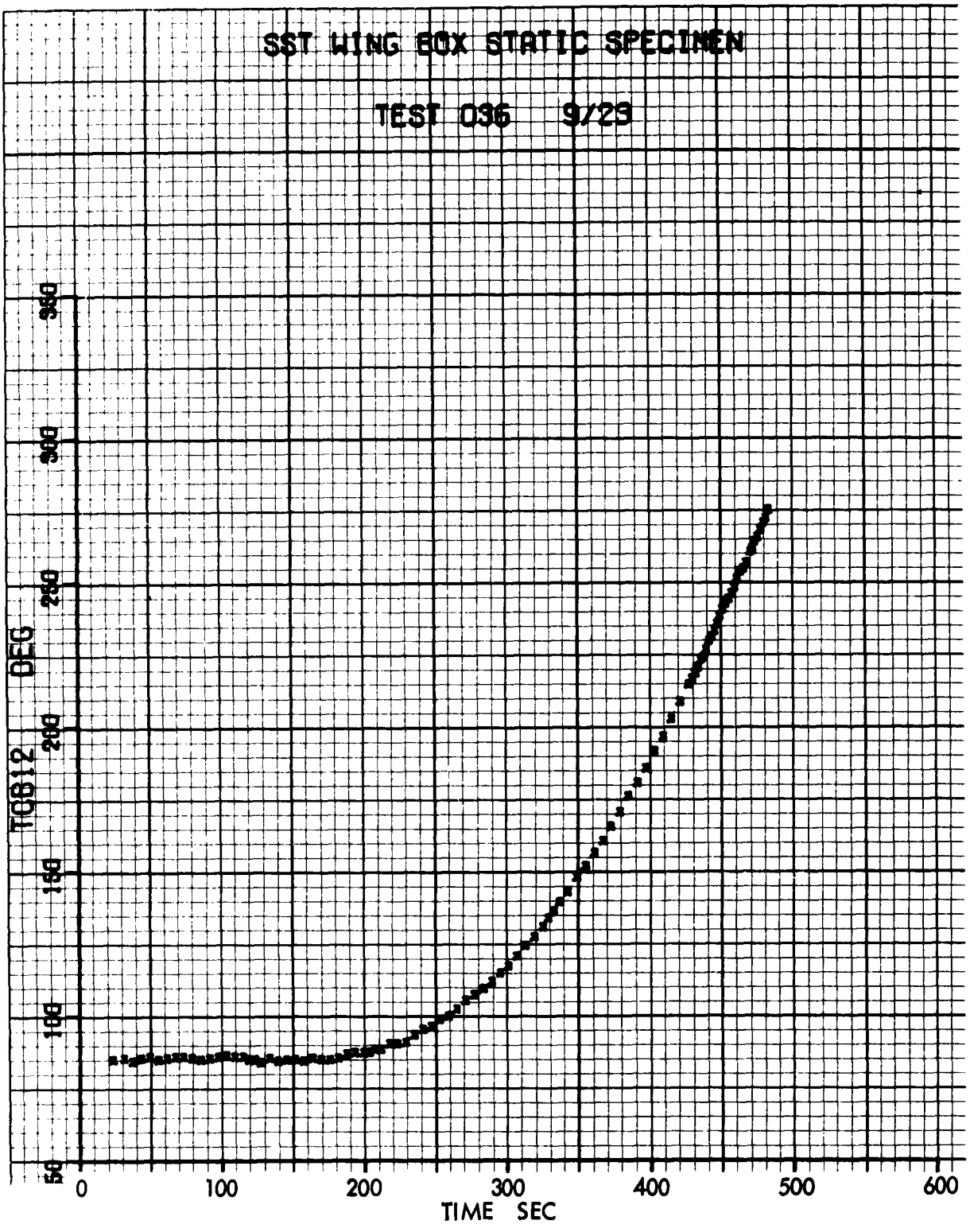
TIME SEC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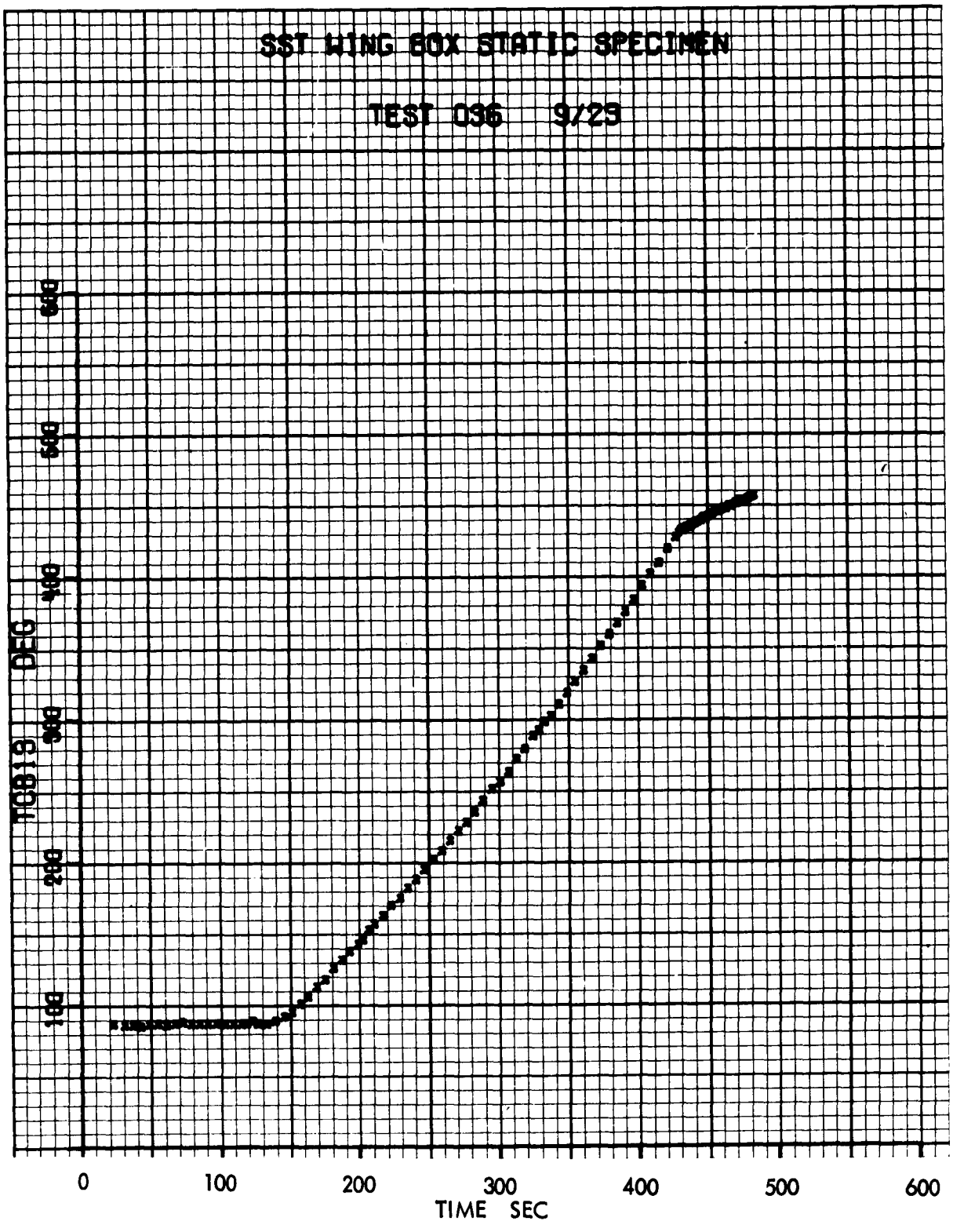
TIME SEC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500
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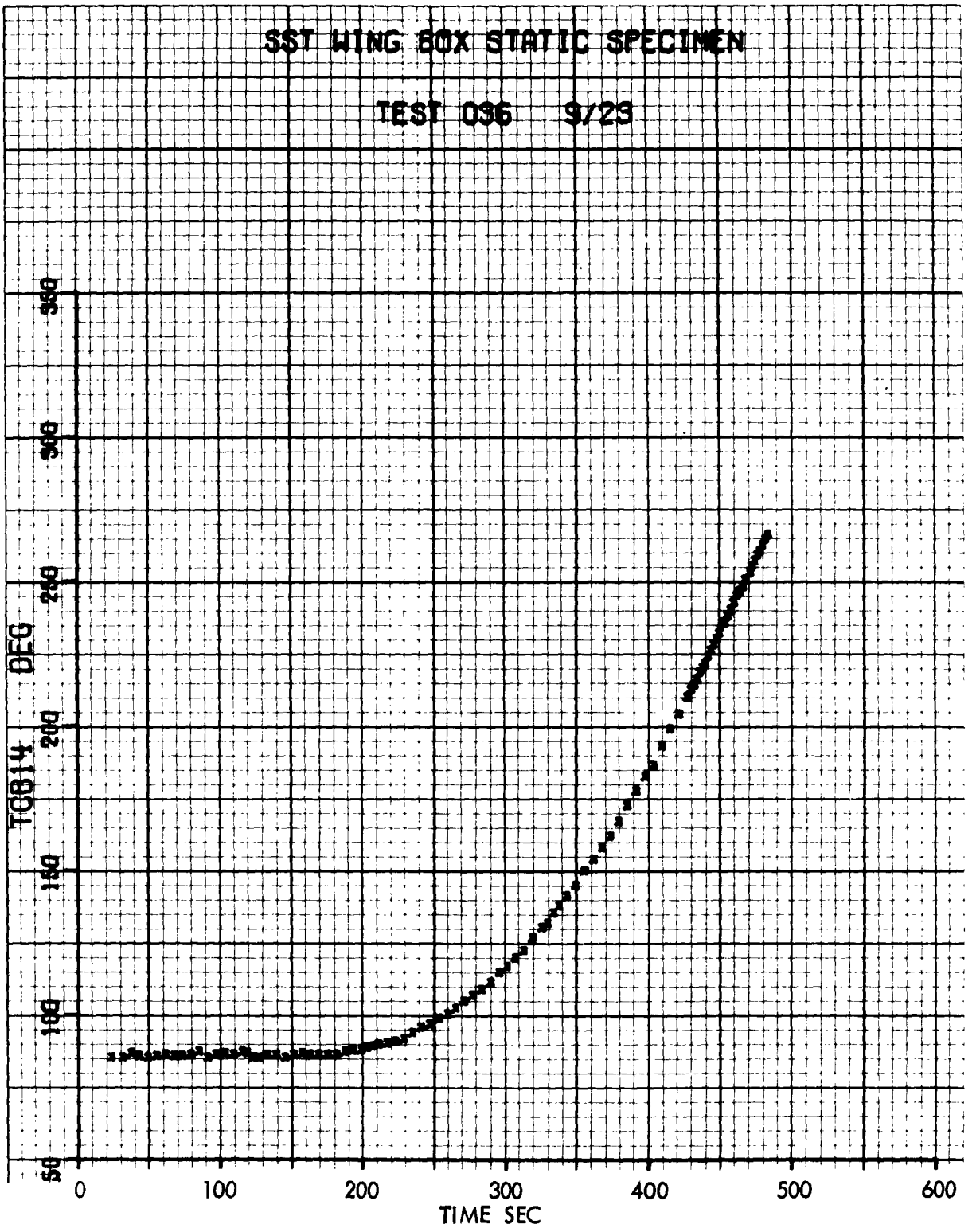
TIME SEC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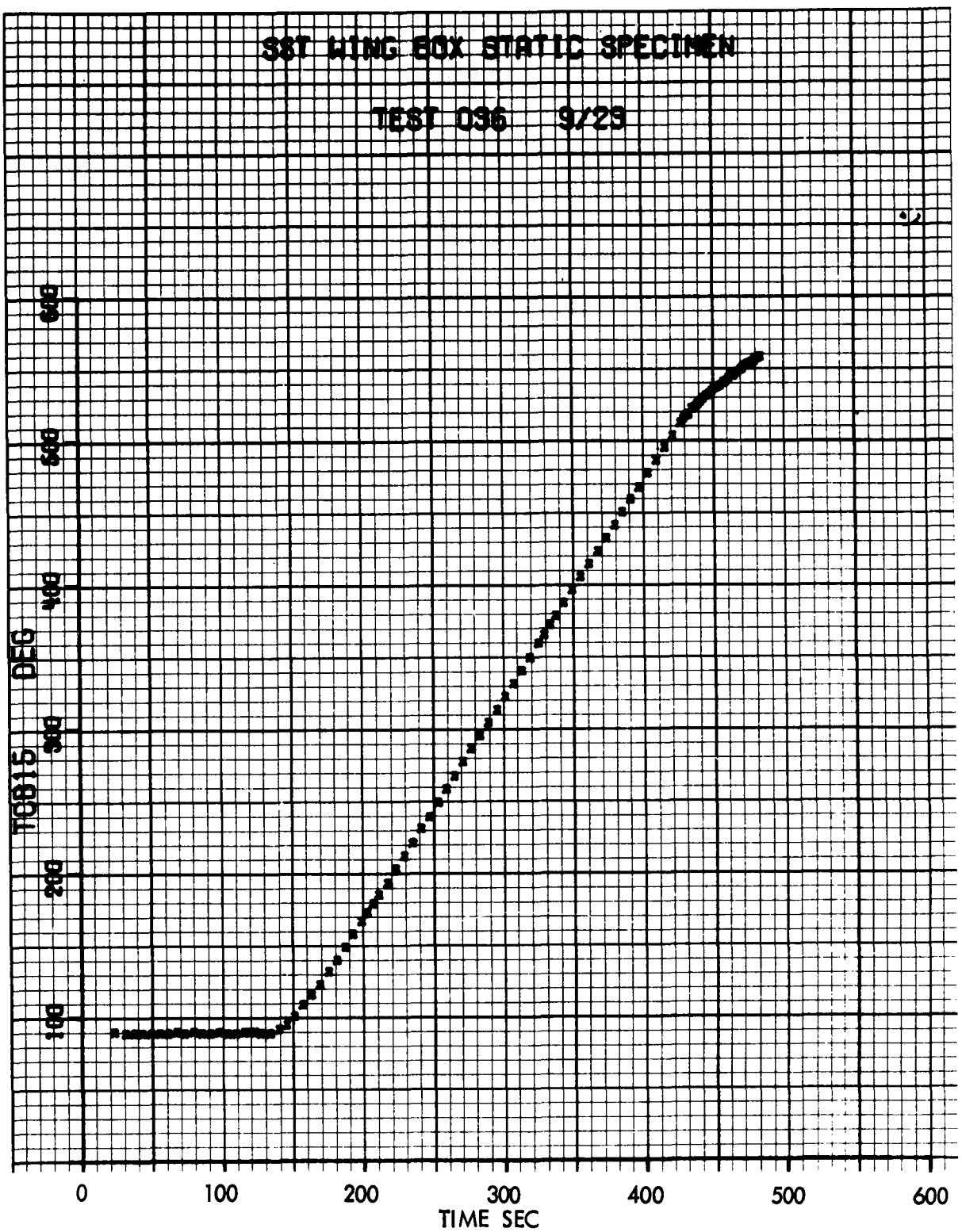
TIME SEC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TEST 036 9/23
TCB15 DEG
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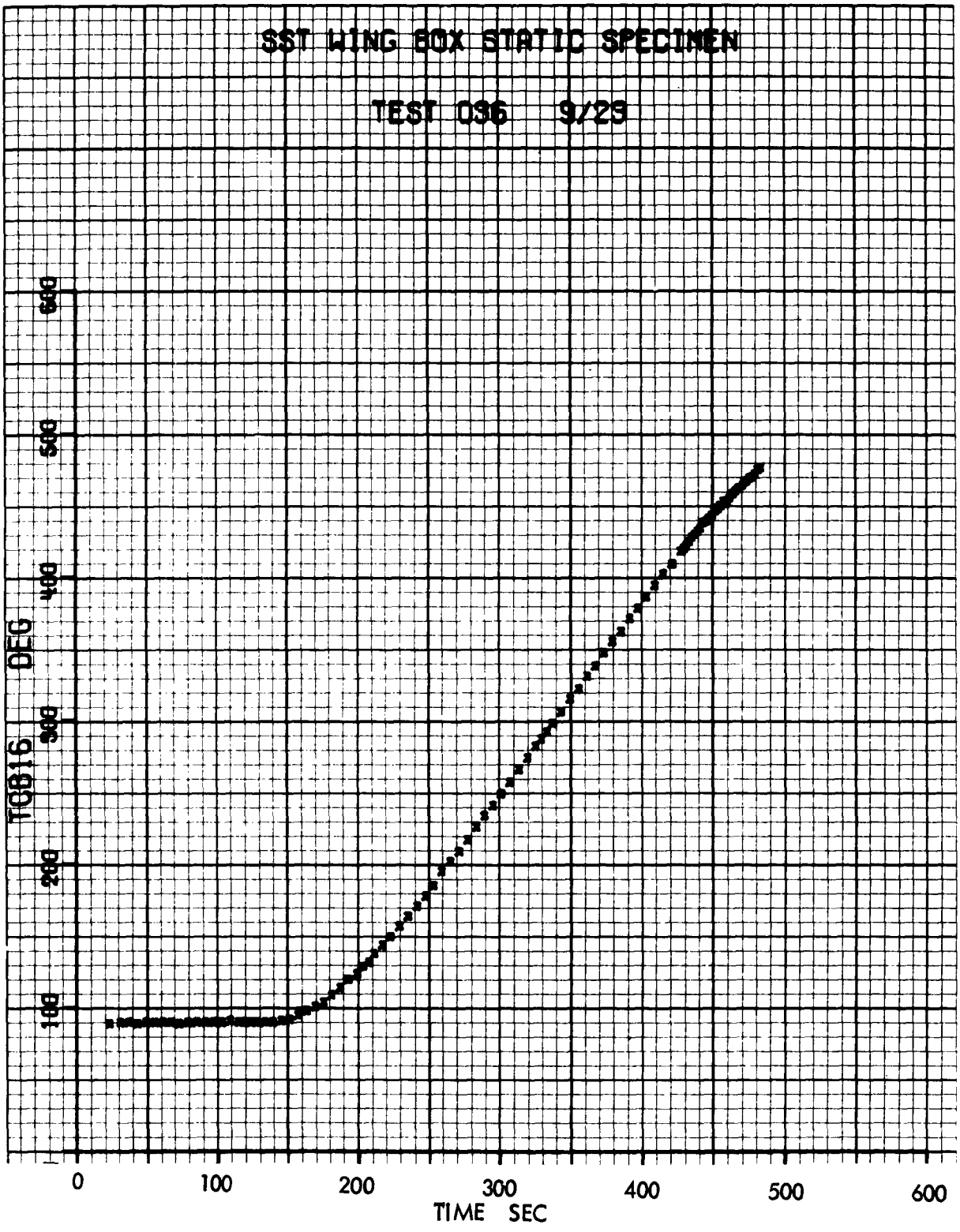
TIME SEC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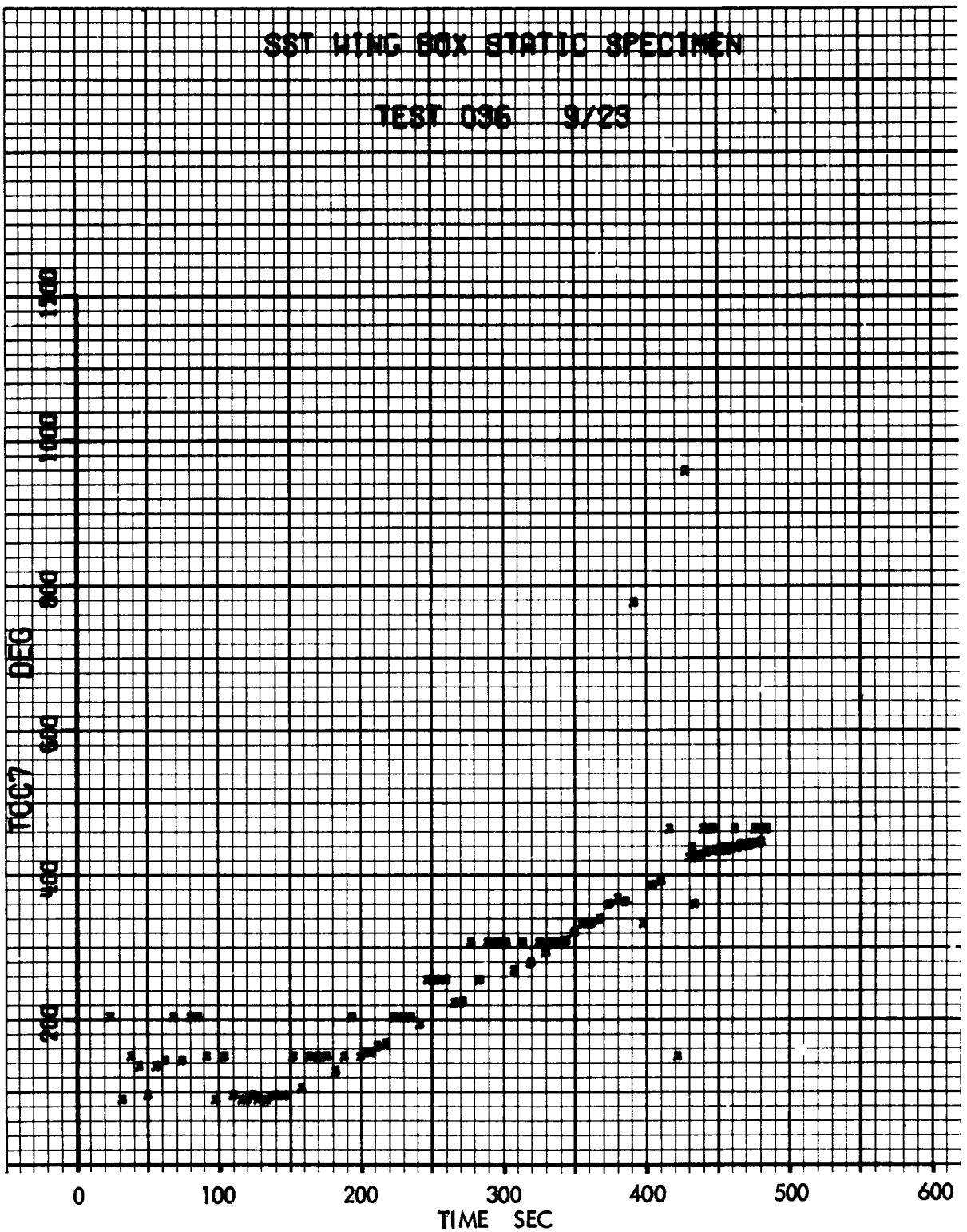
TIME SEC


SST WING BOX STATIC SPECIMEN
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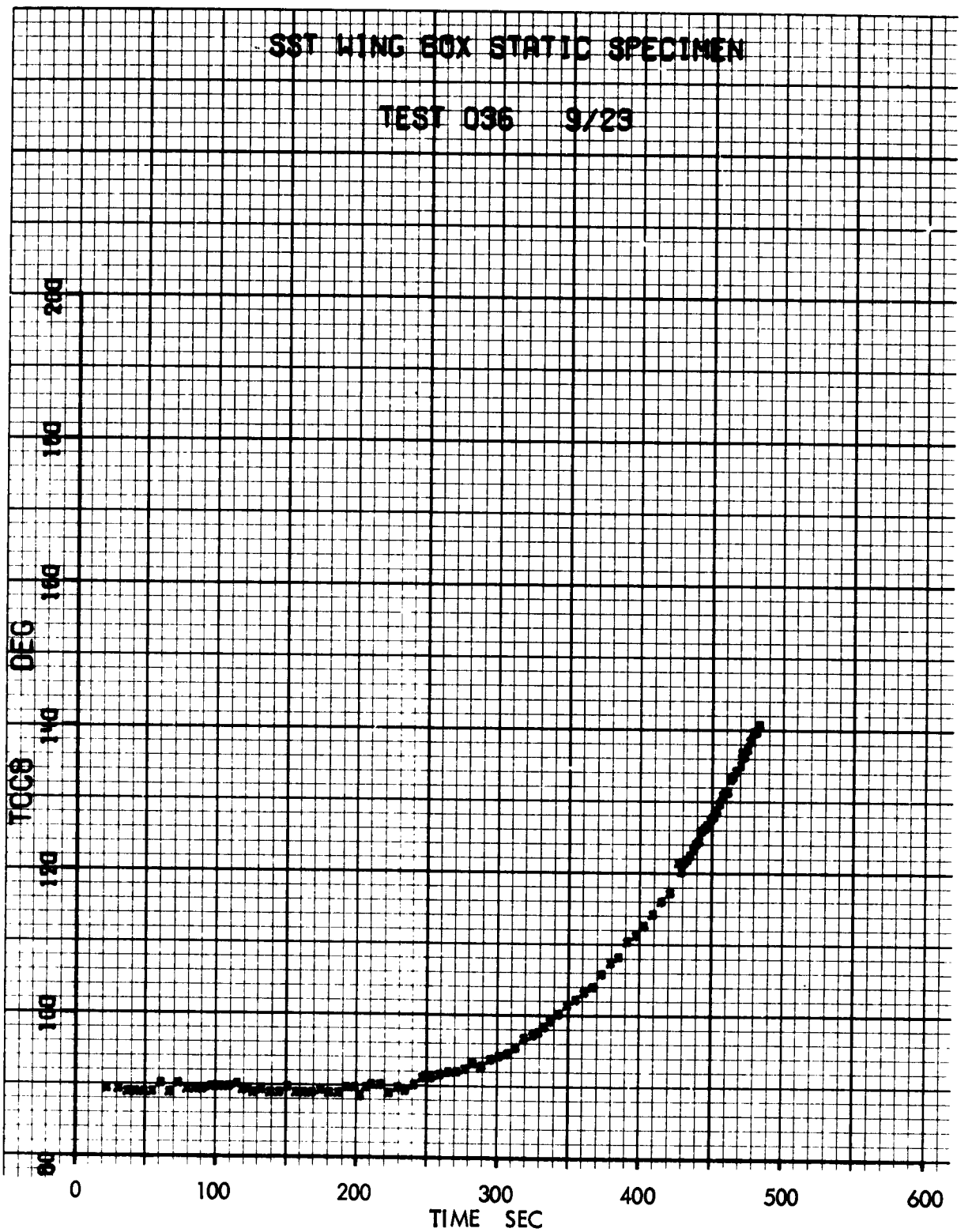
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TCC8 DEG
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400
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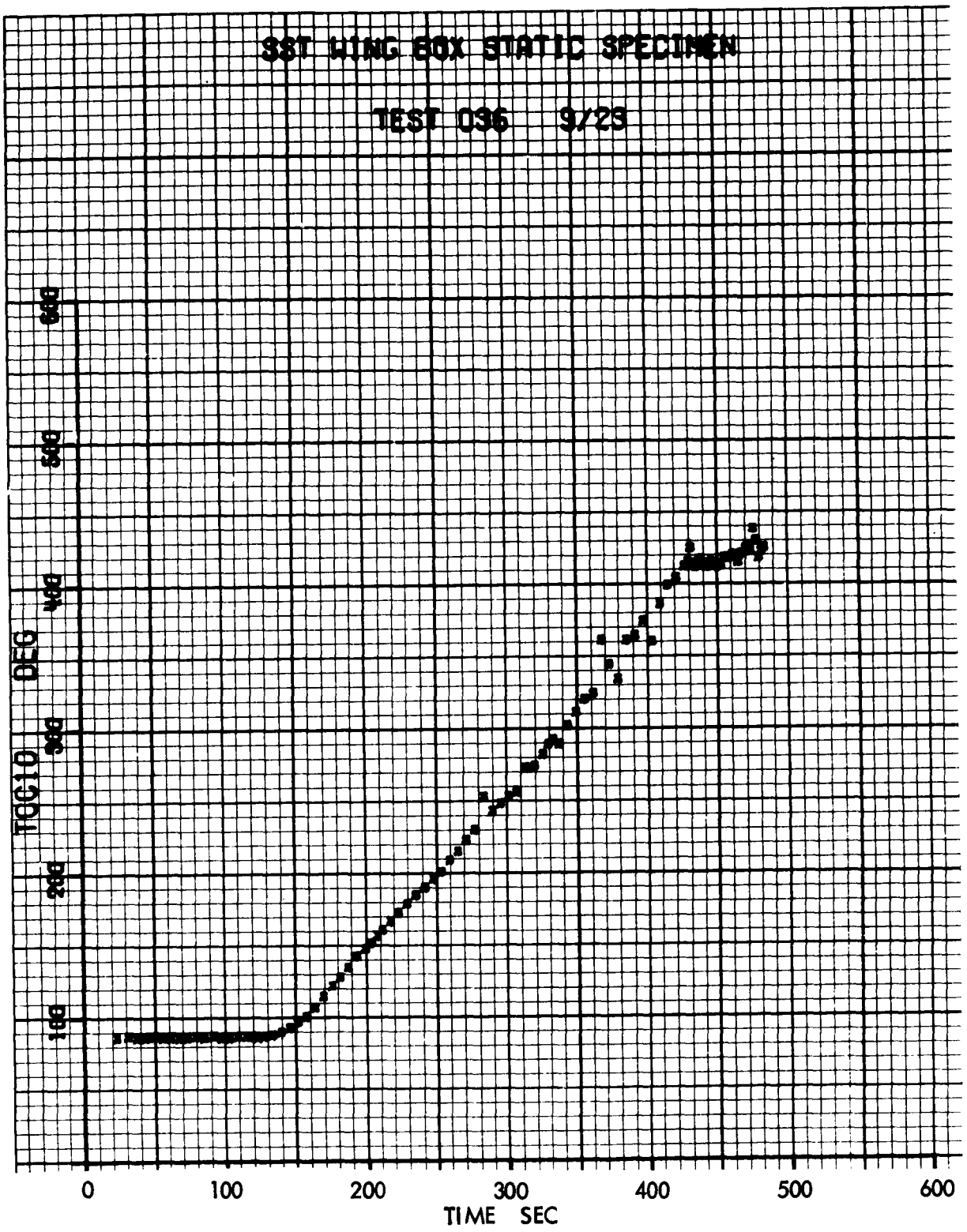
TIME SEC


SST WING BOX STATIC SPECIMEN
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TCC10 DEG
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500
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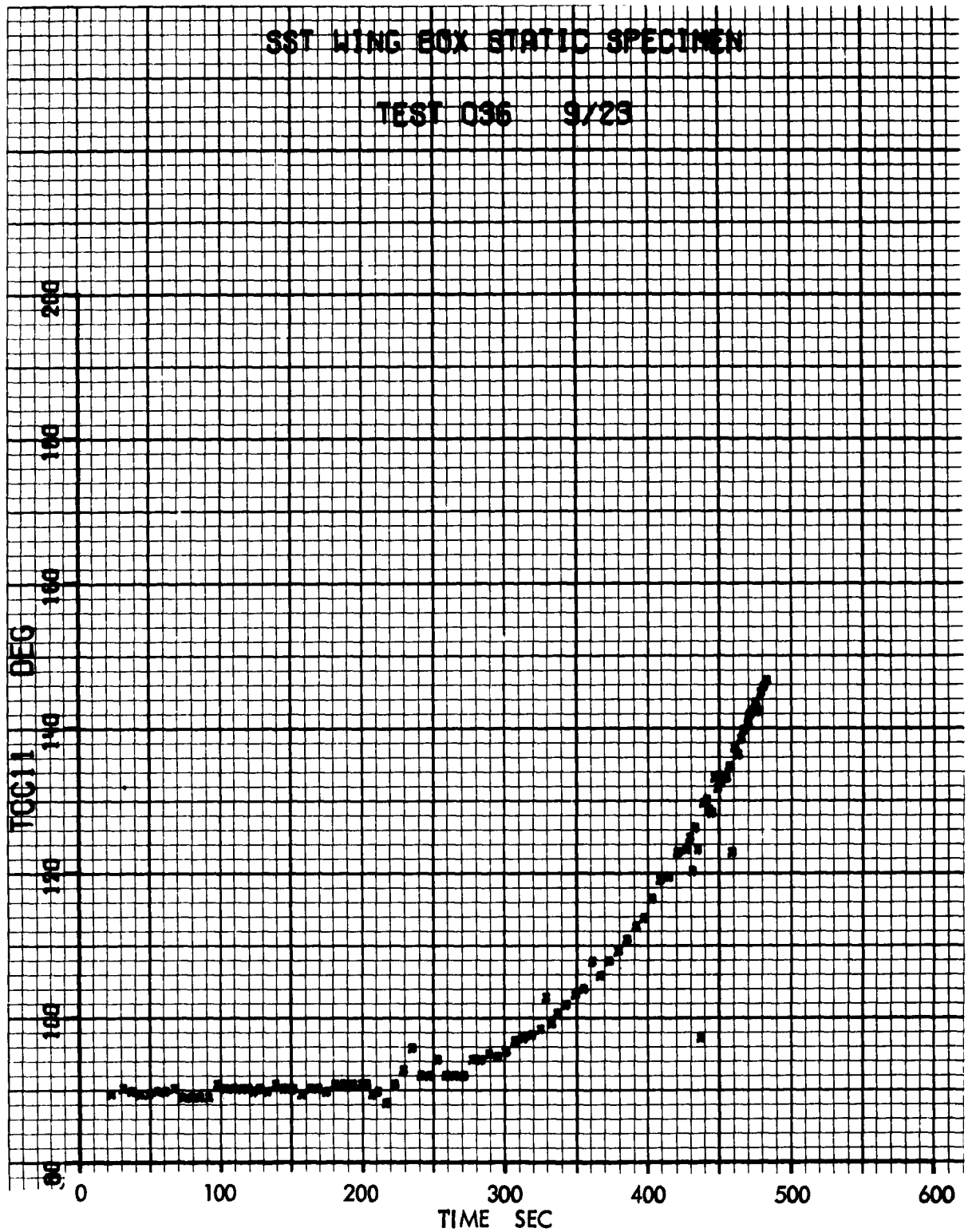
TIME SEC


SST WING BOX STATIC SPECIMEN
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500
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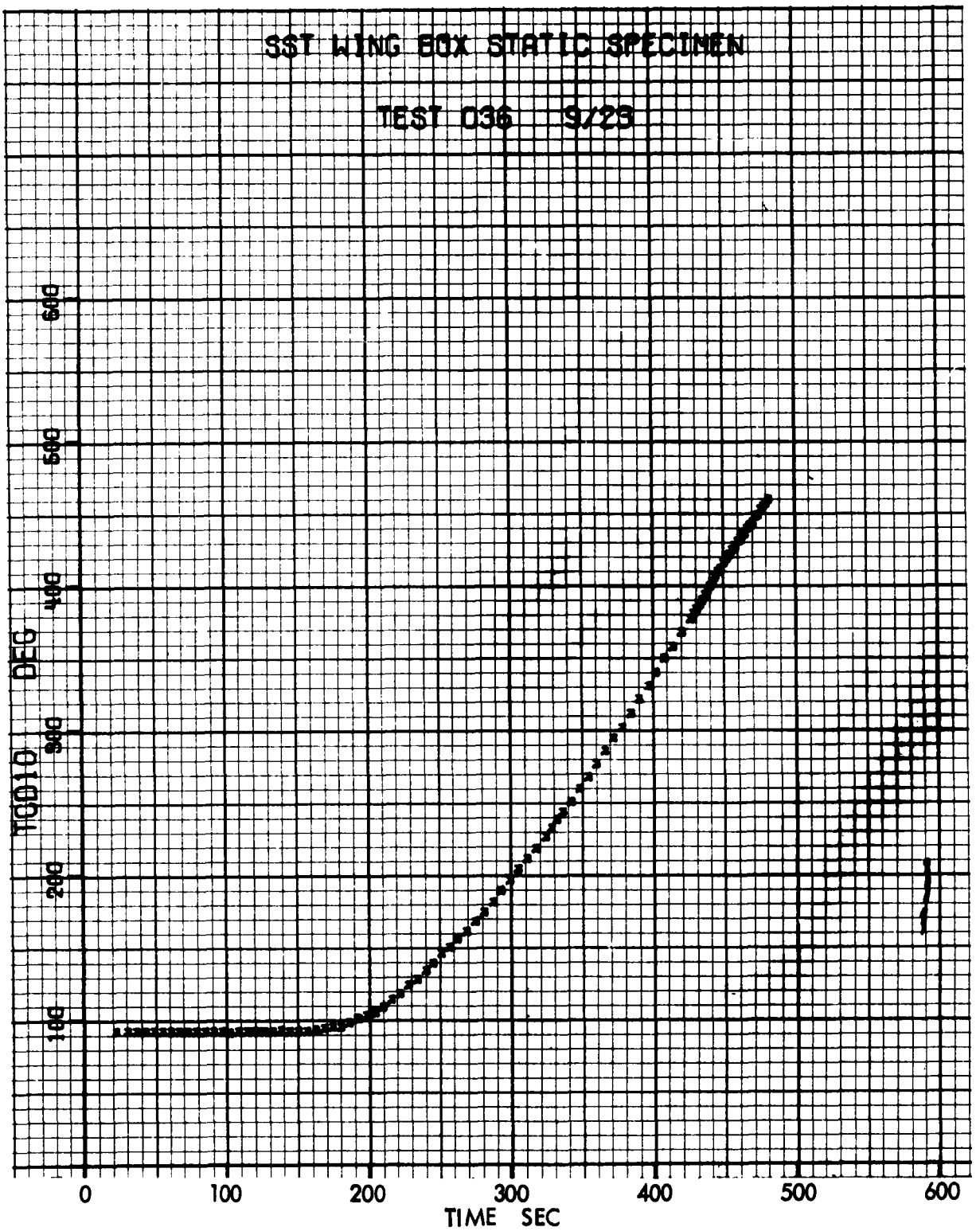
TIME SEC


SST WING BOX STATIC SPECIMEN
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TC010 DEG
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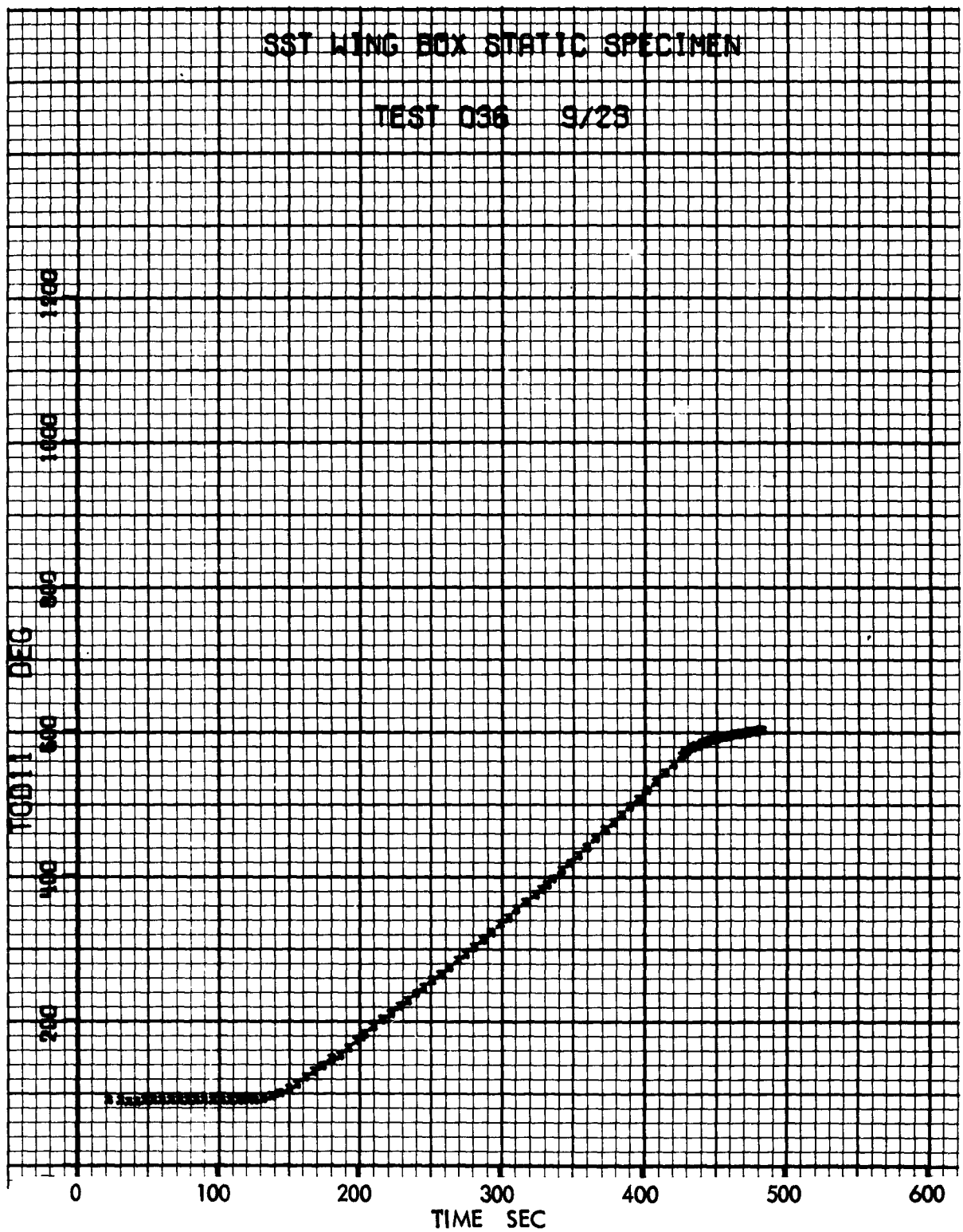
600
TIME SEC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TEST 036 9/23
TORQUE DEG
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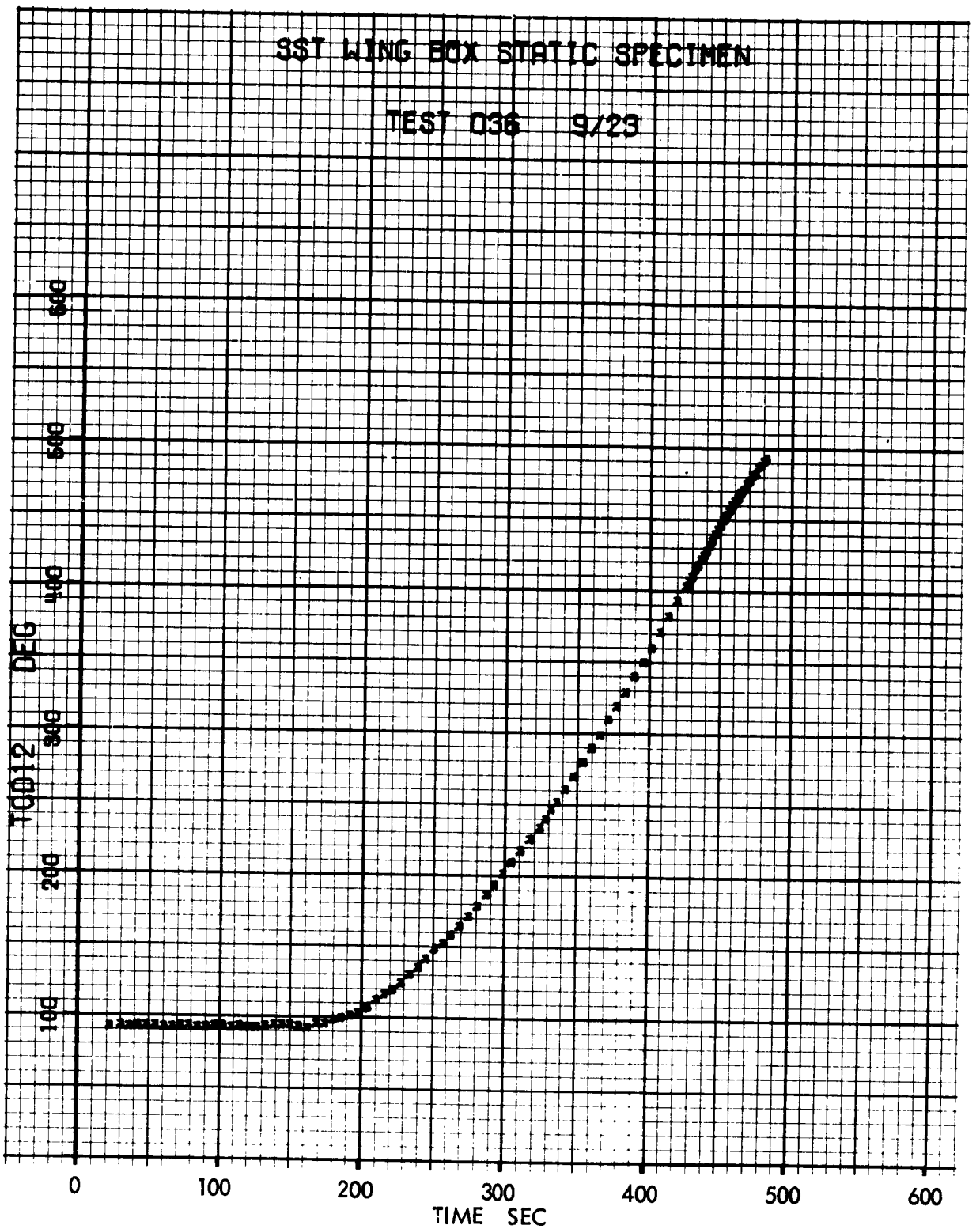
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC012 DEG
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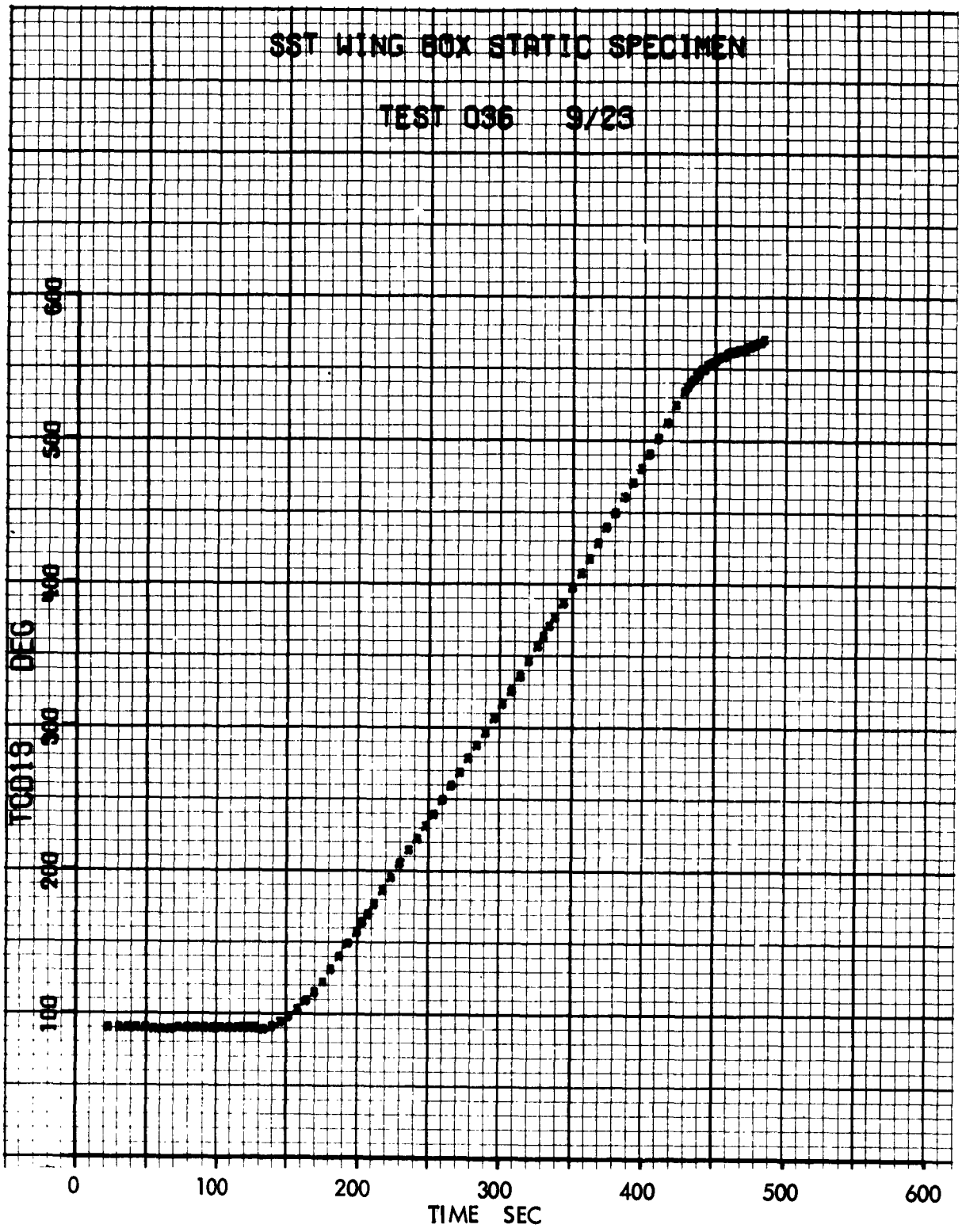
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC018 DEG
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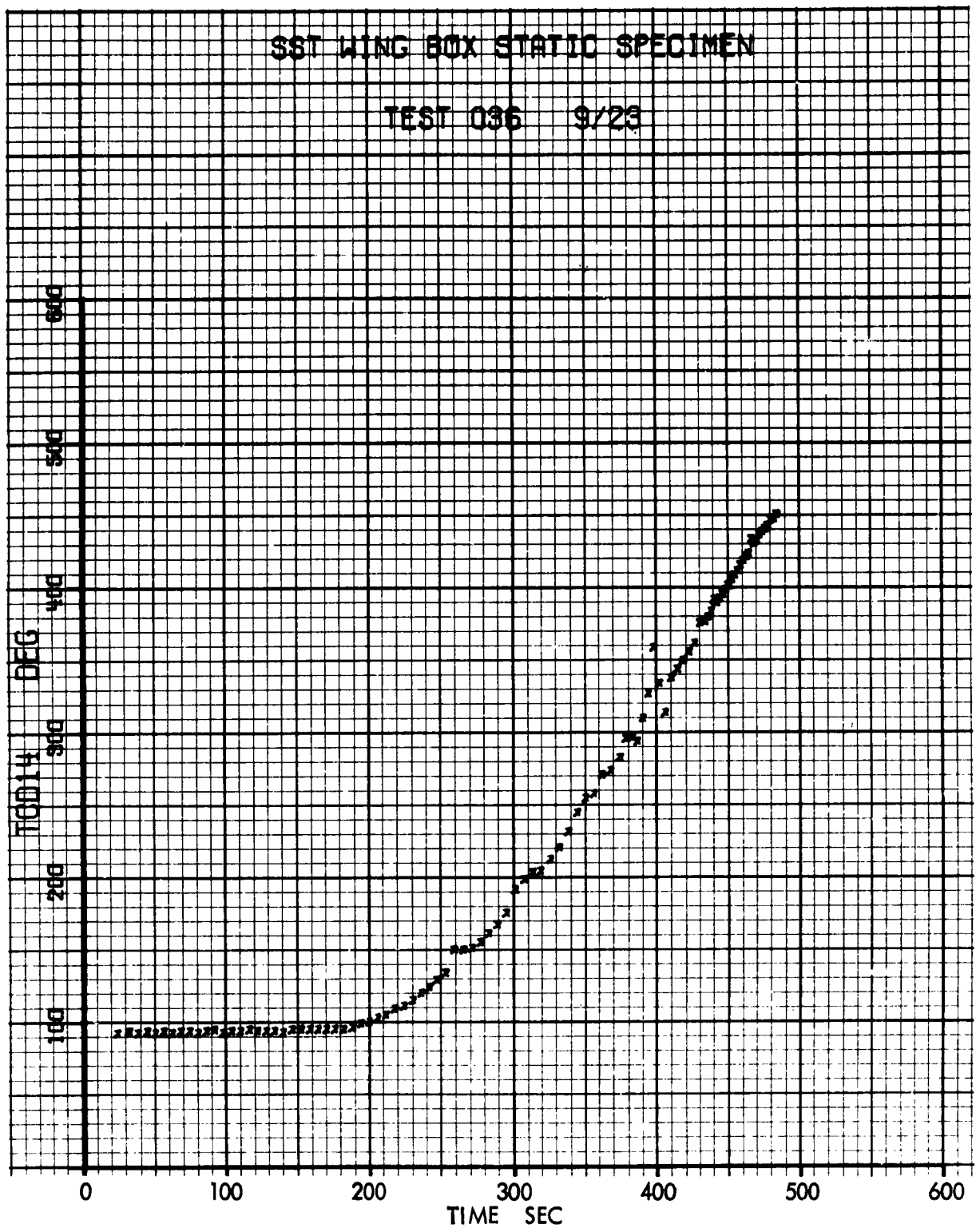
TIME SEC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TEST 036 9/23
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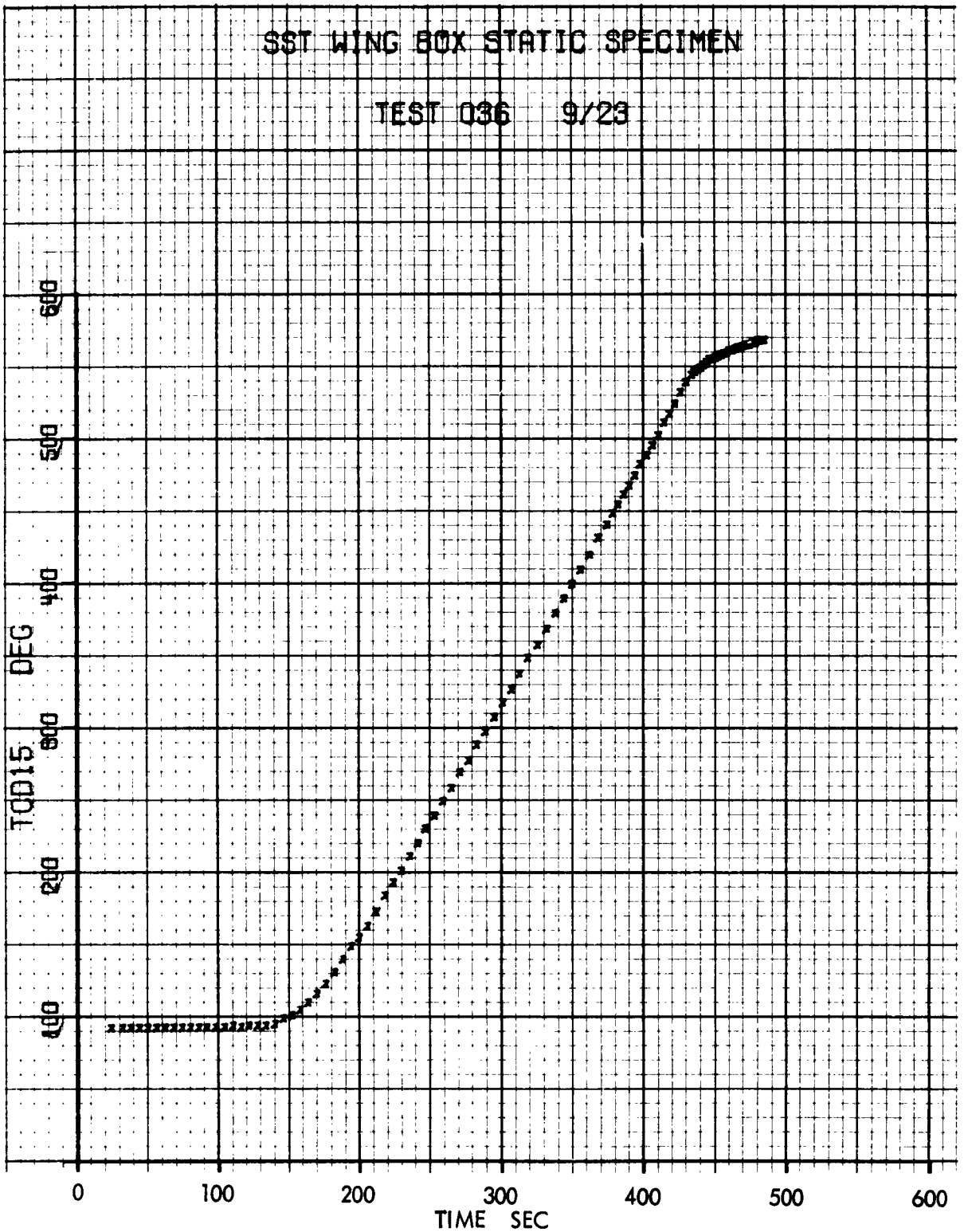
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TQD15 DEG
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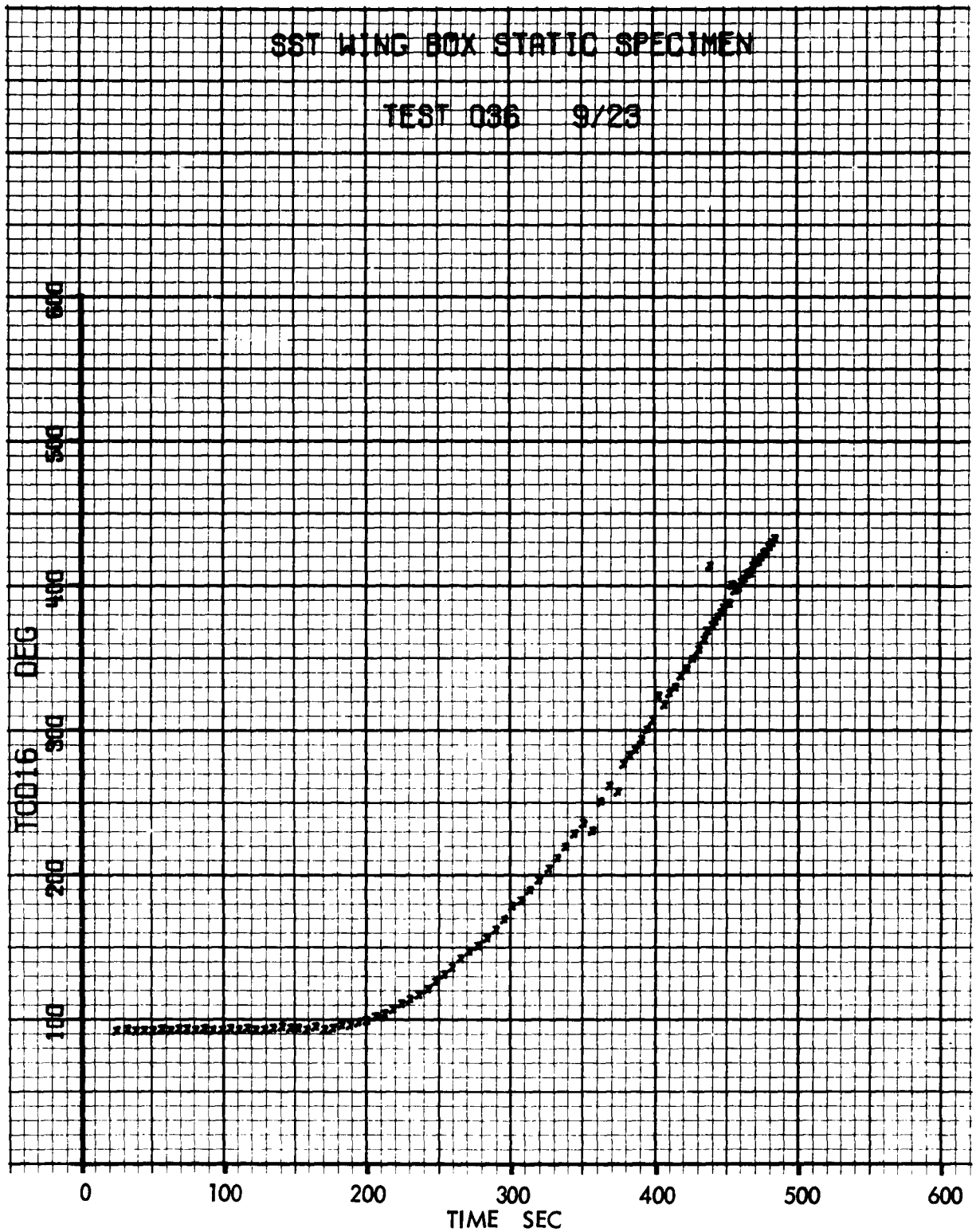
TIME SEC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TC016 DEG
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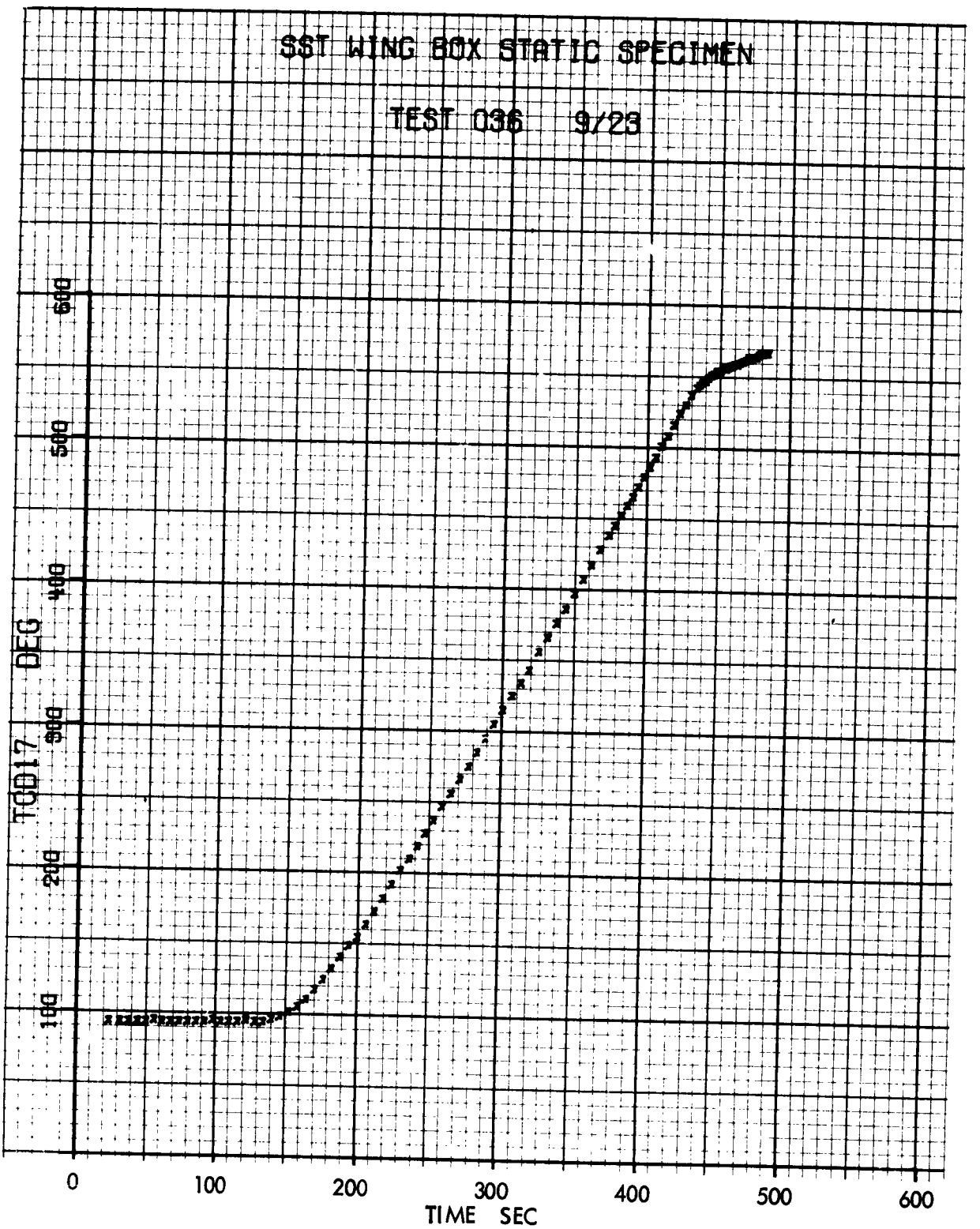
TIME SEC


SST WING BOX STATIC SPECIMEN
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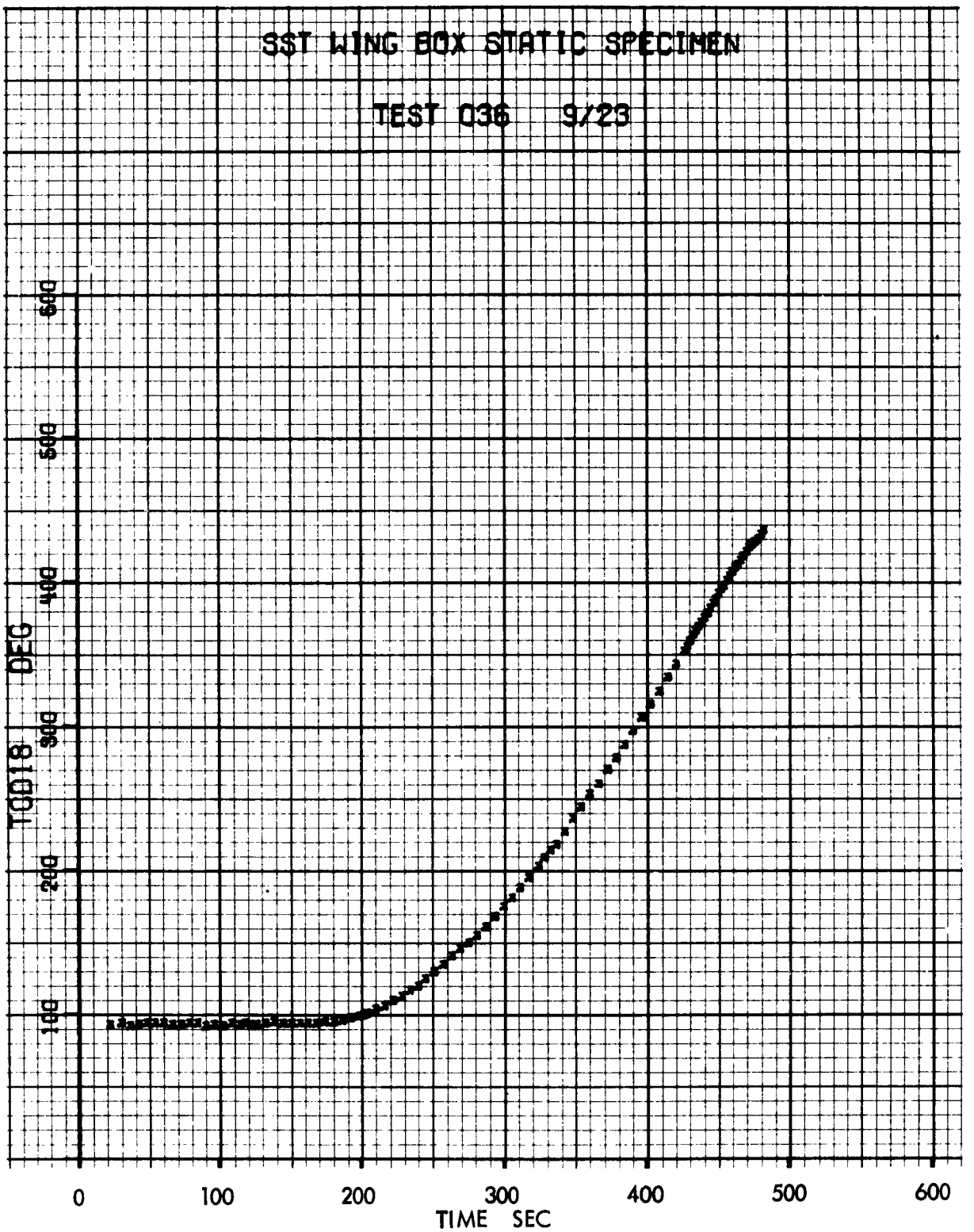
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TQ018 DEG
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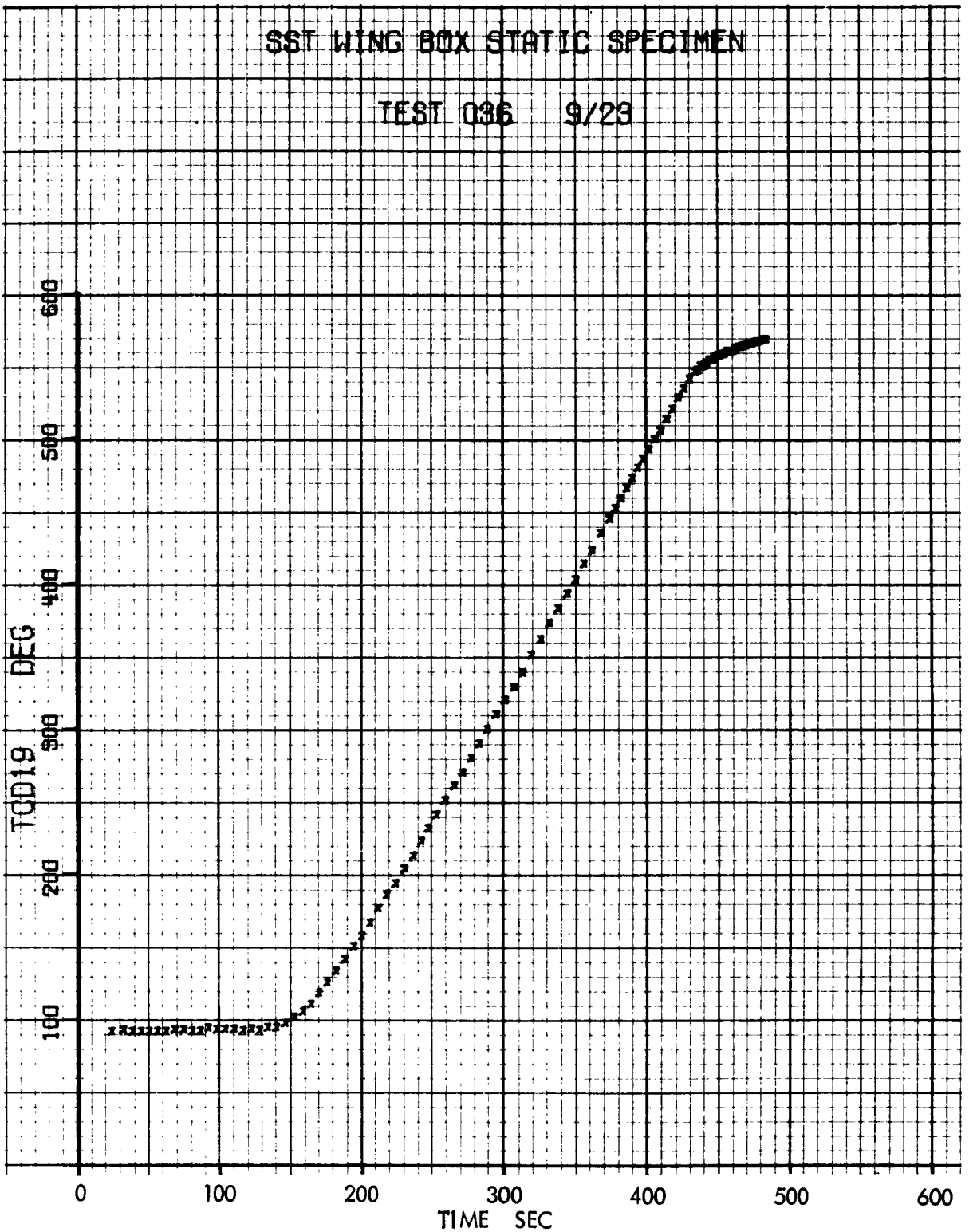
TIME SEC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TCD19 DEG
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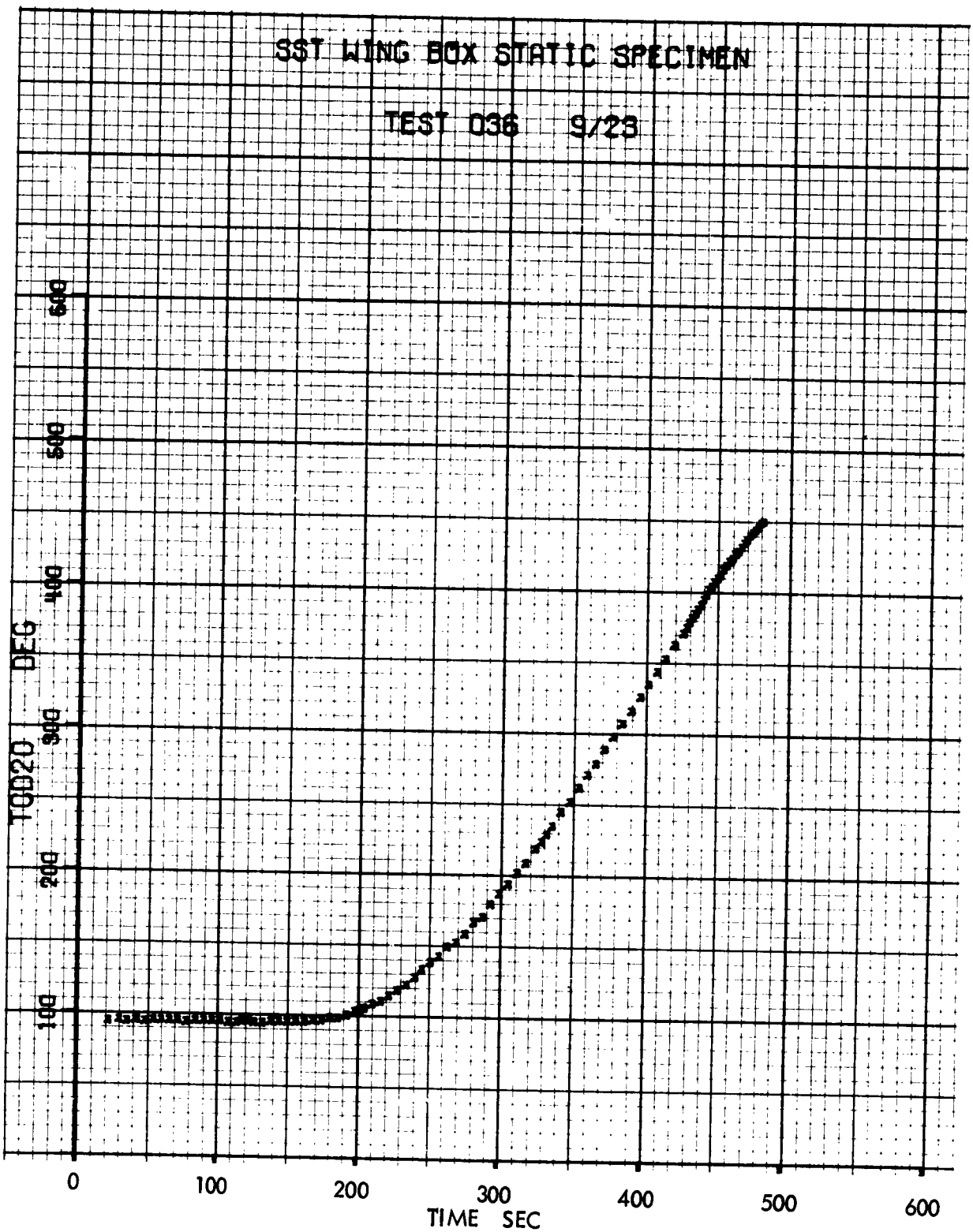
TIME SEC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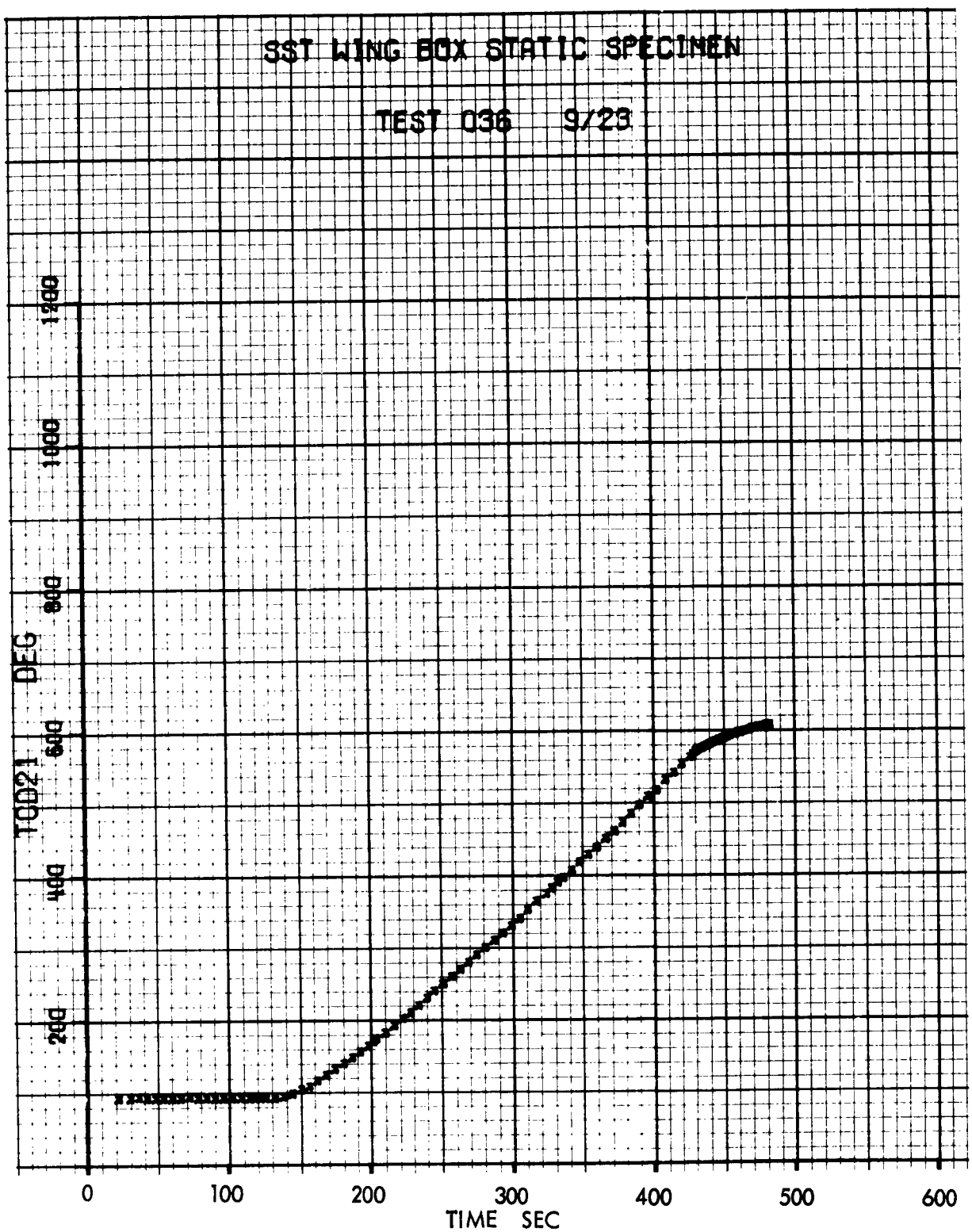
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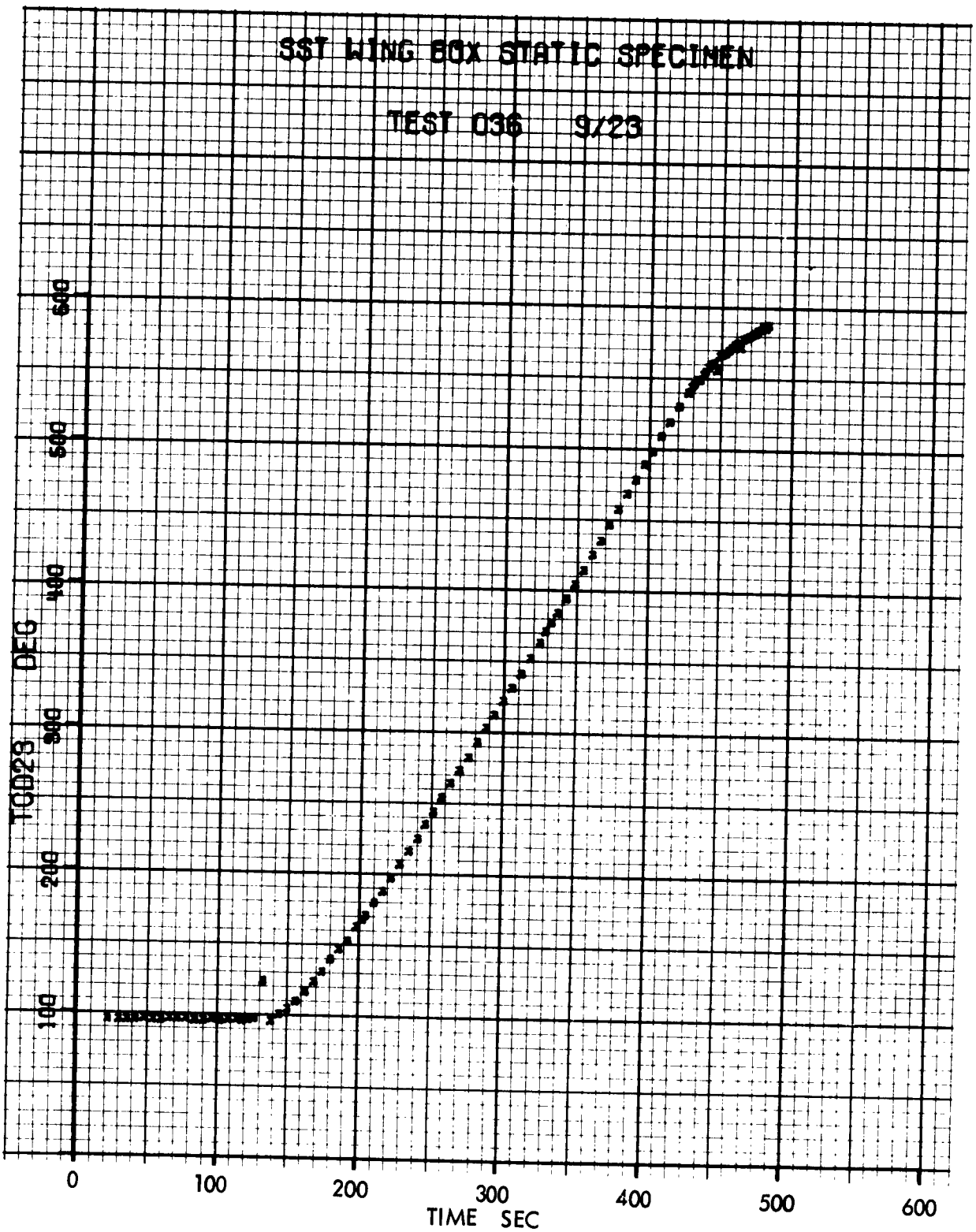
TIME SEC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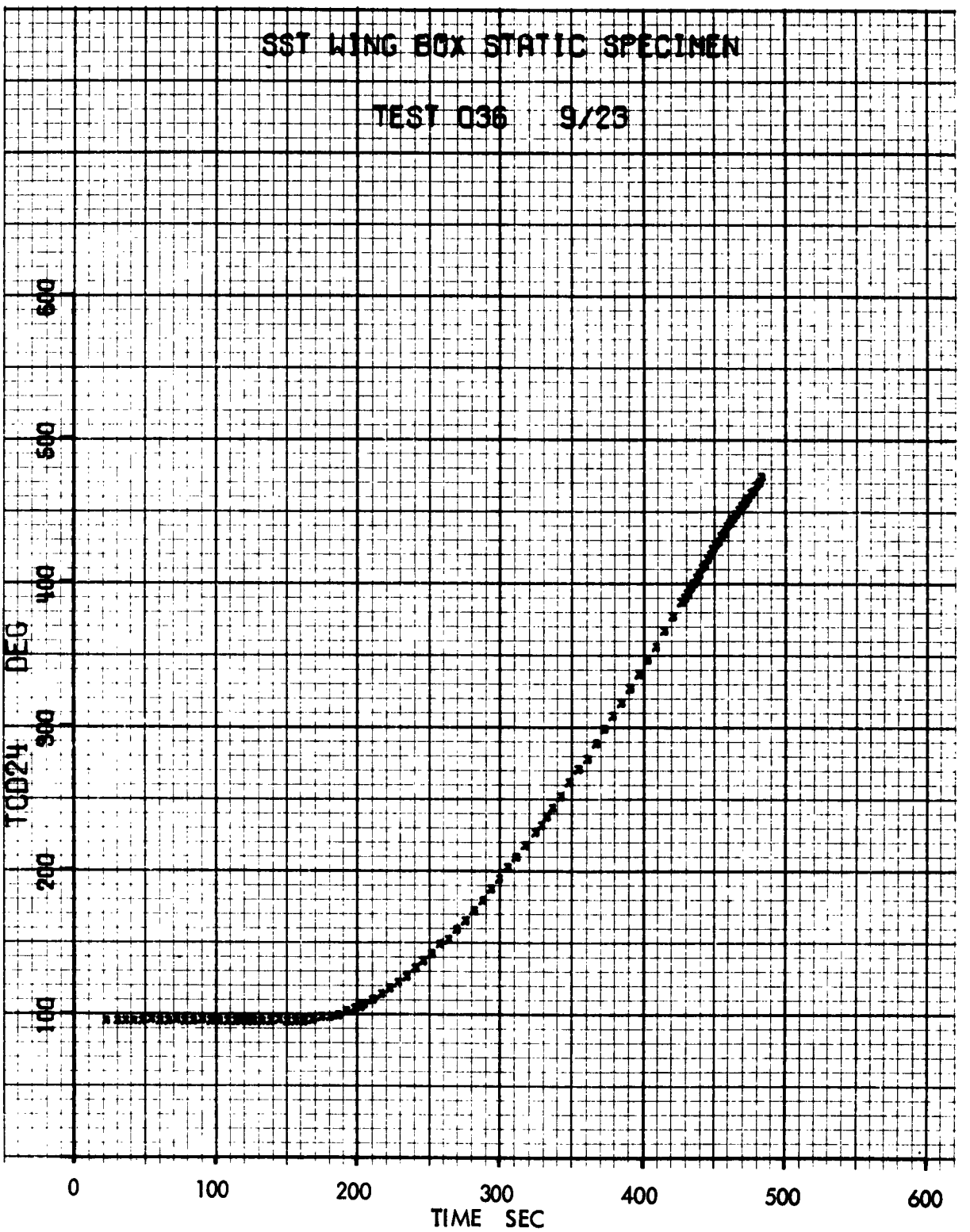
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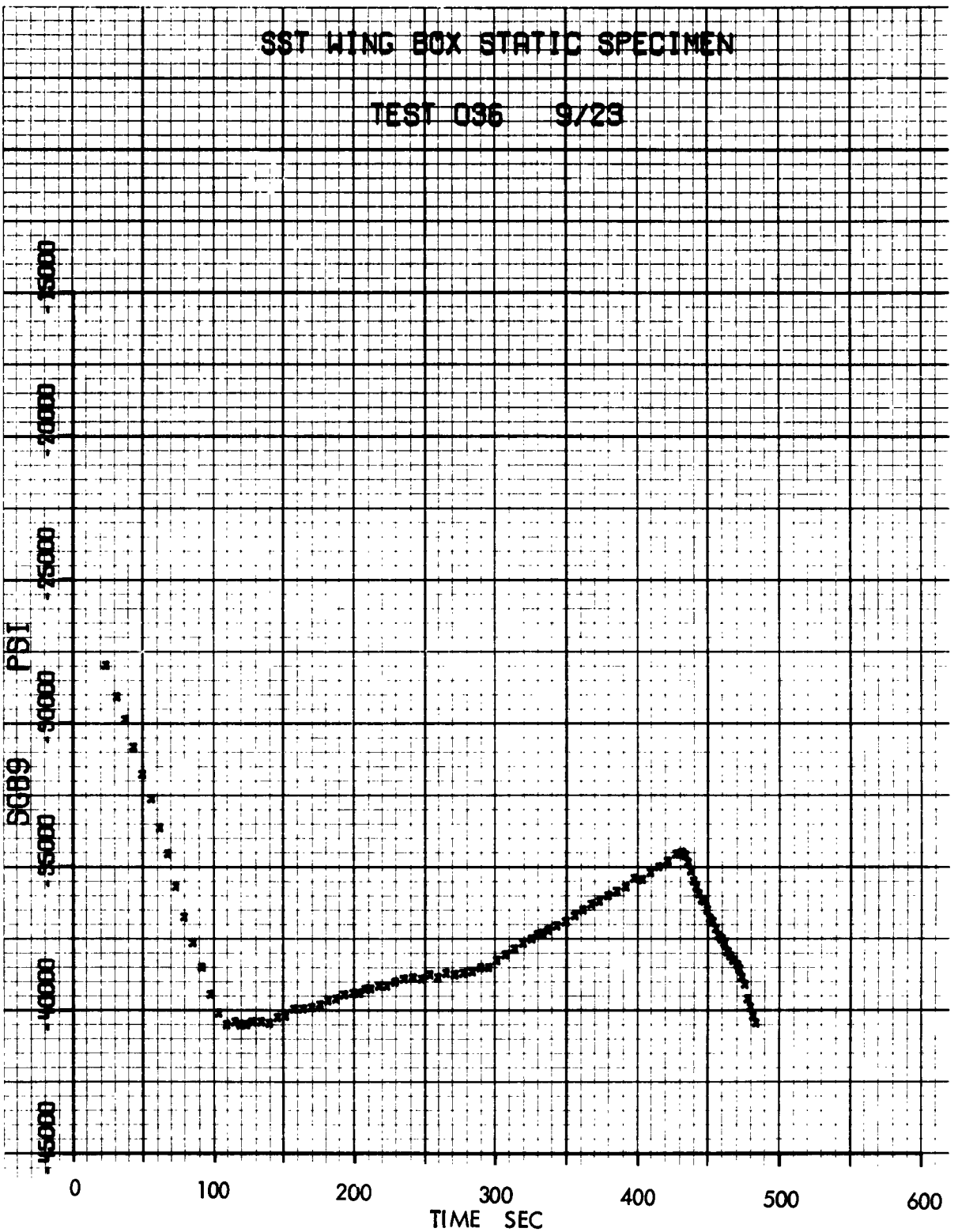
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TEST 036 9/23
SG89 PSI
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-45000
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100
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400
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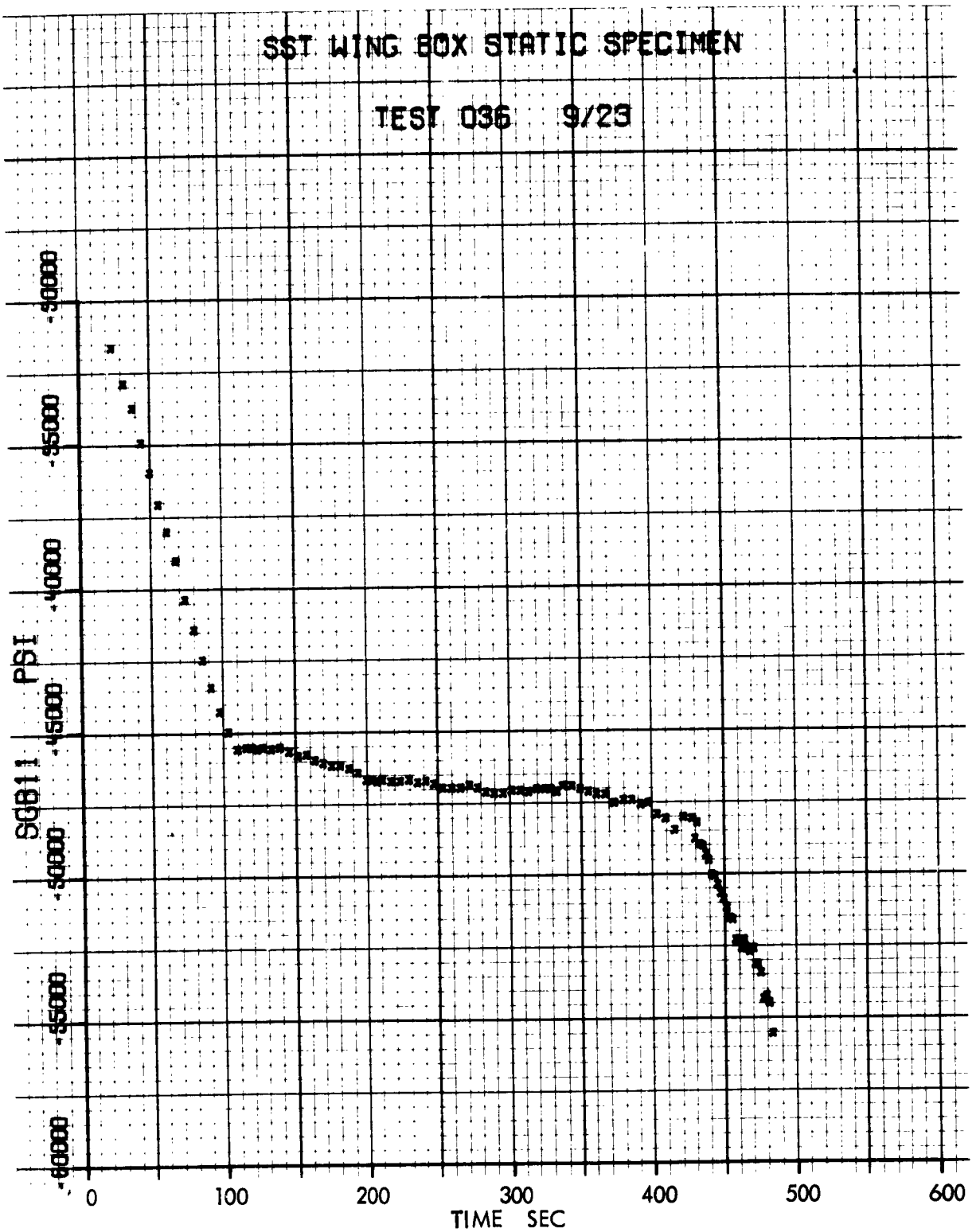
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB11 PSI
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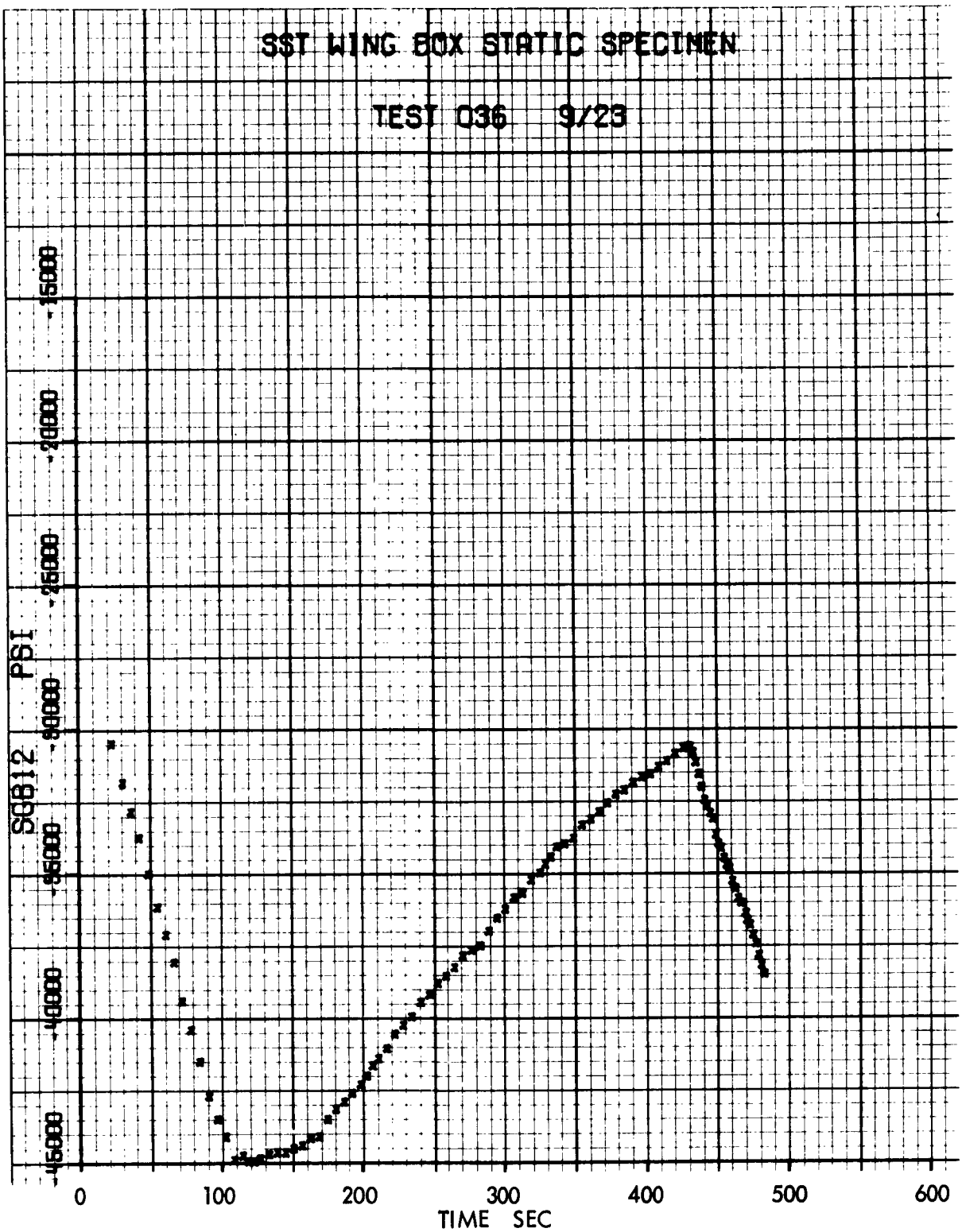
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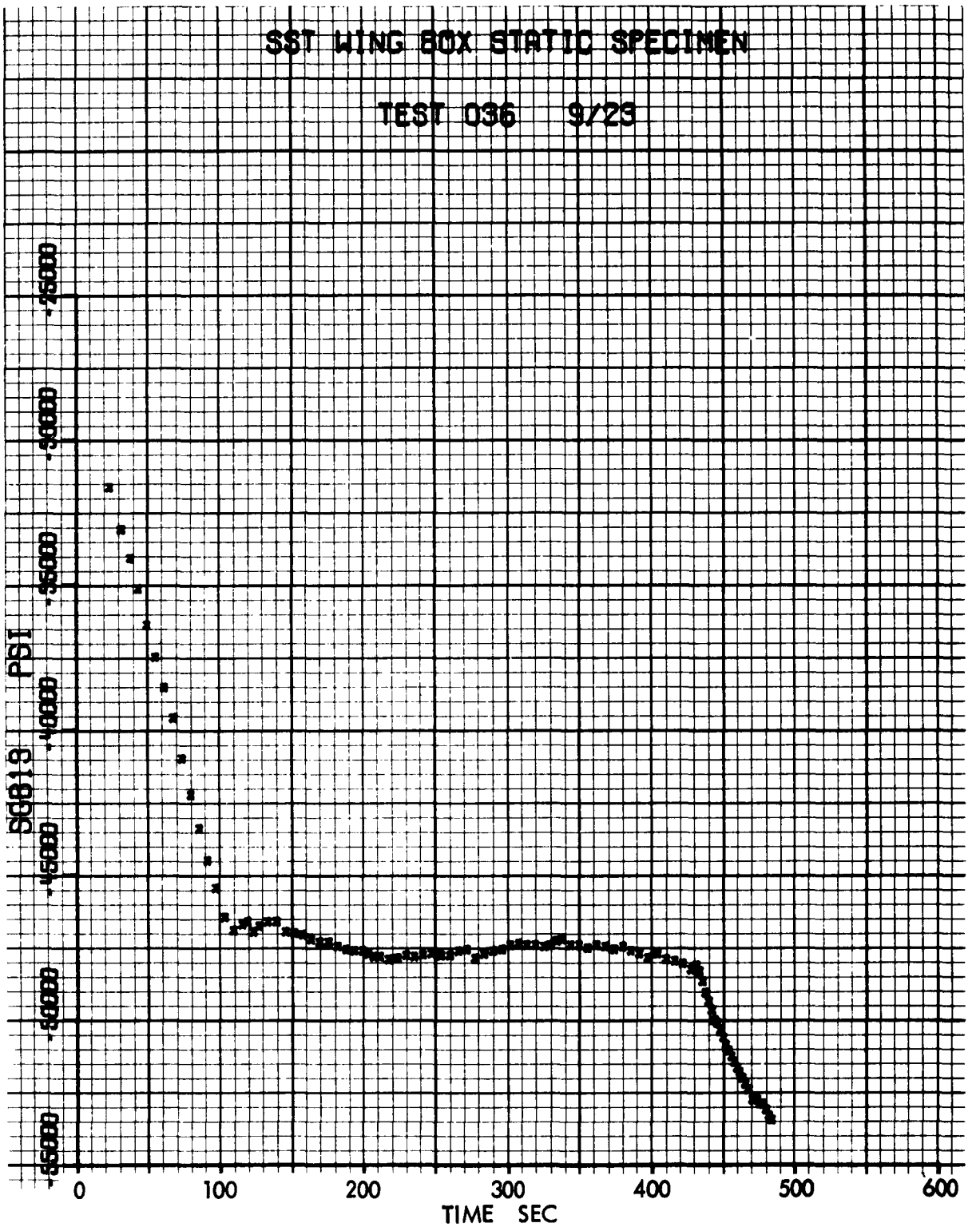
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG813 PSI
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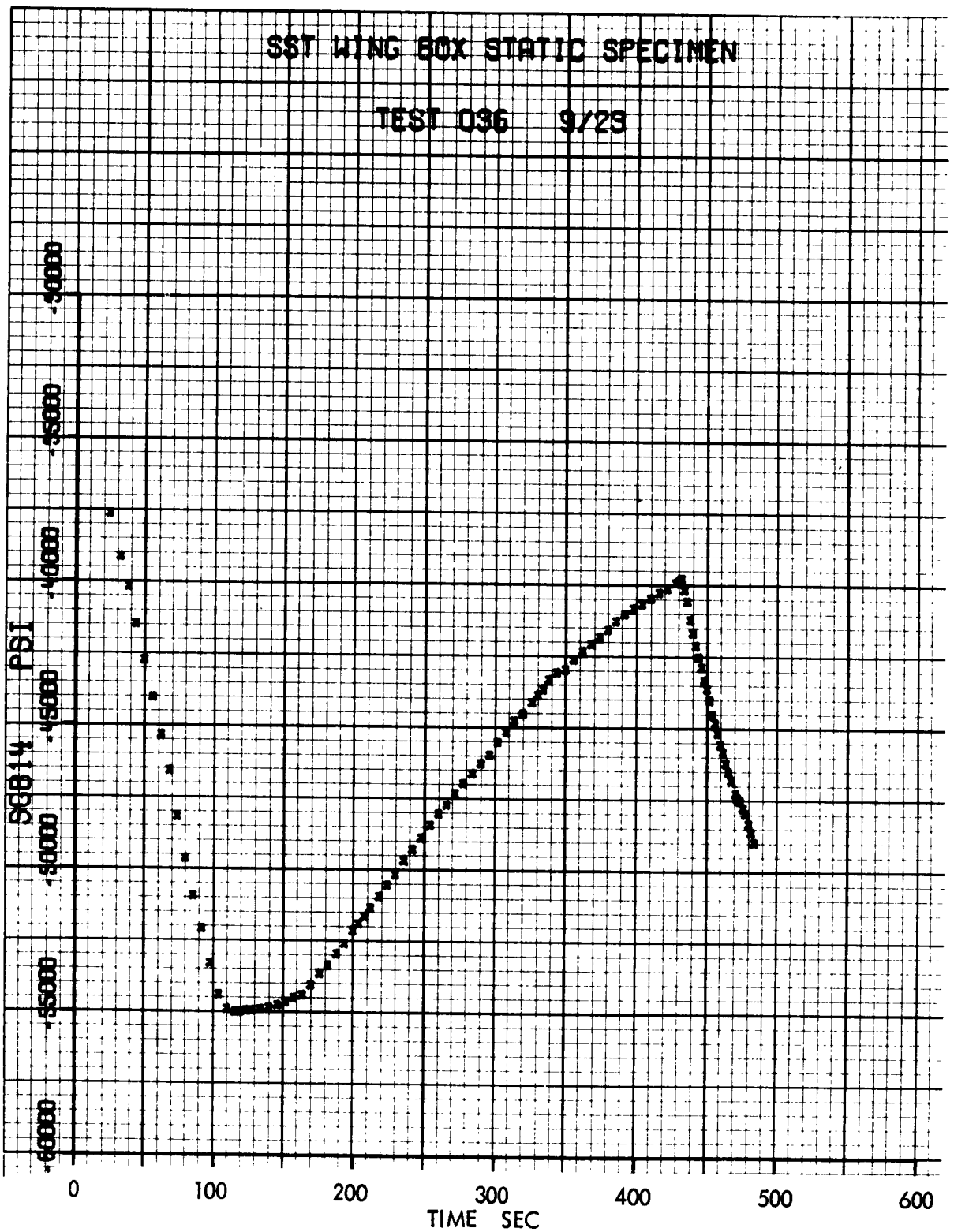
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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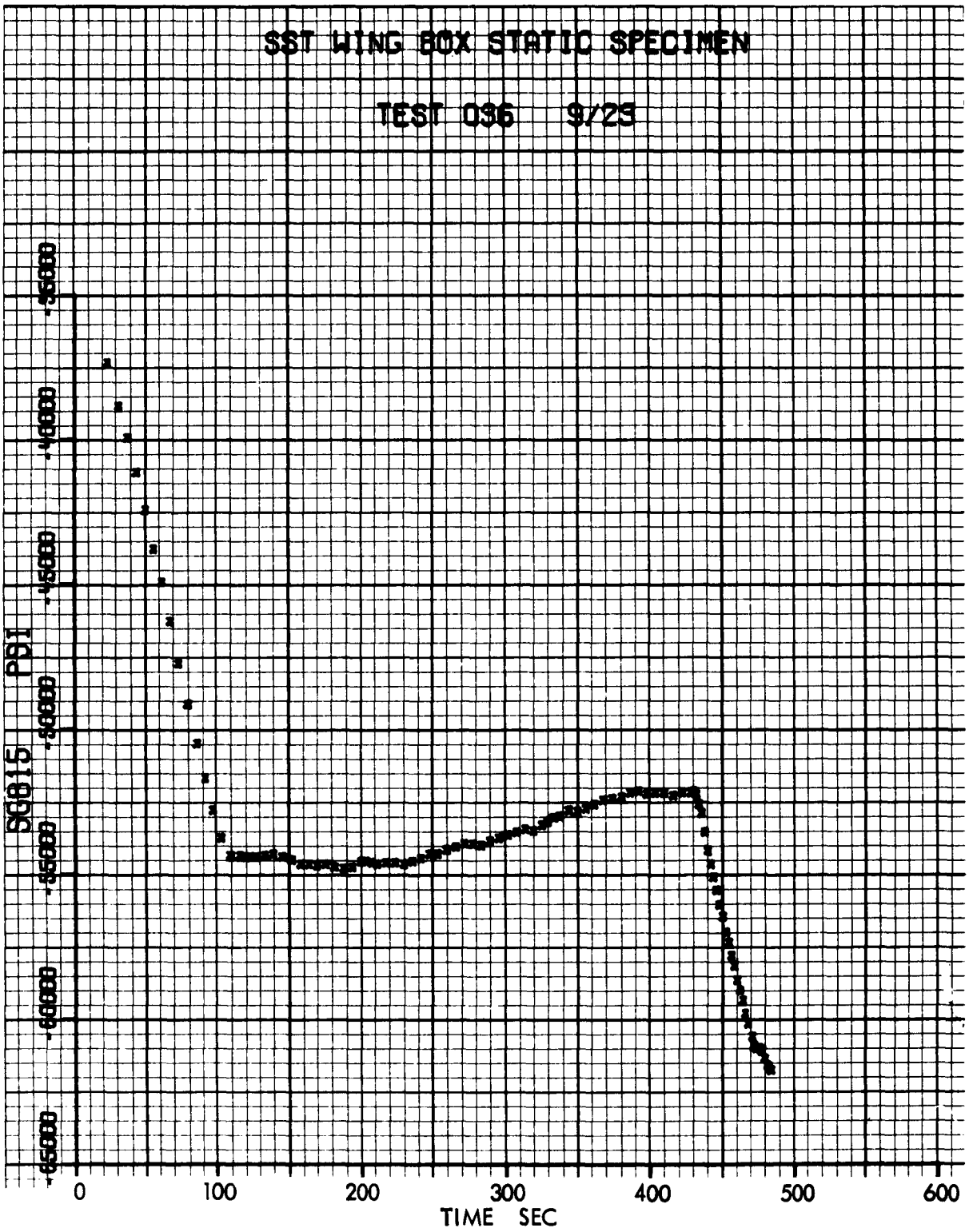
TIME SEC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TEST 036 9/29
SG815 PSI
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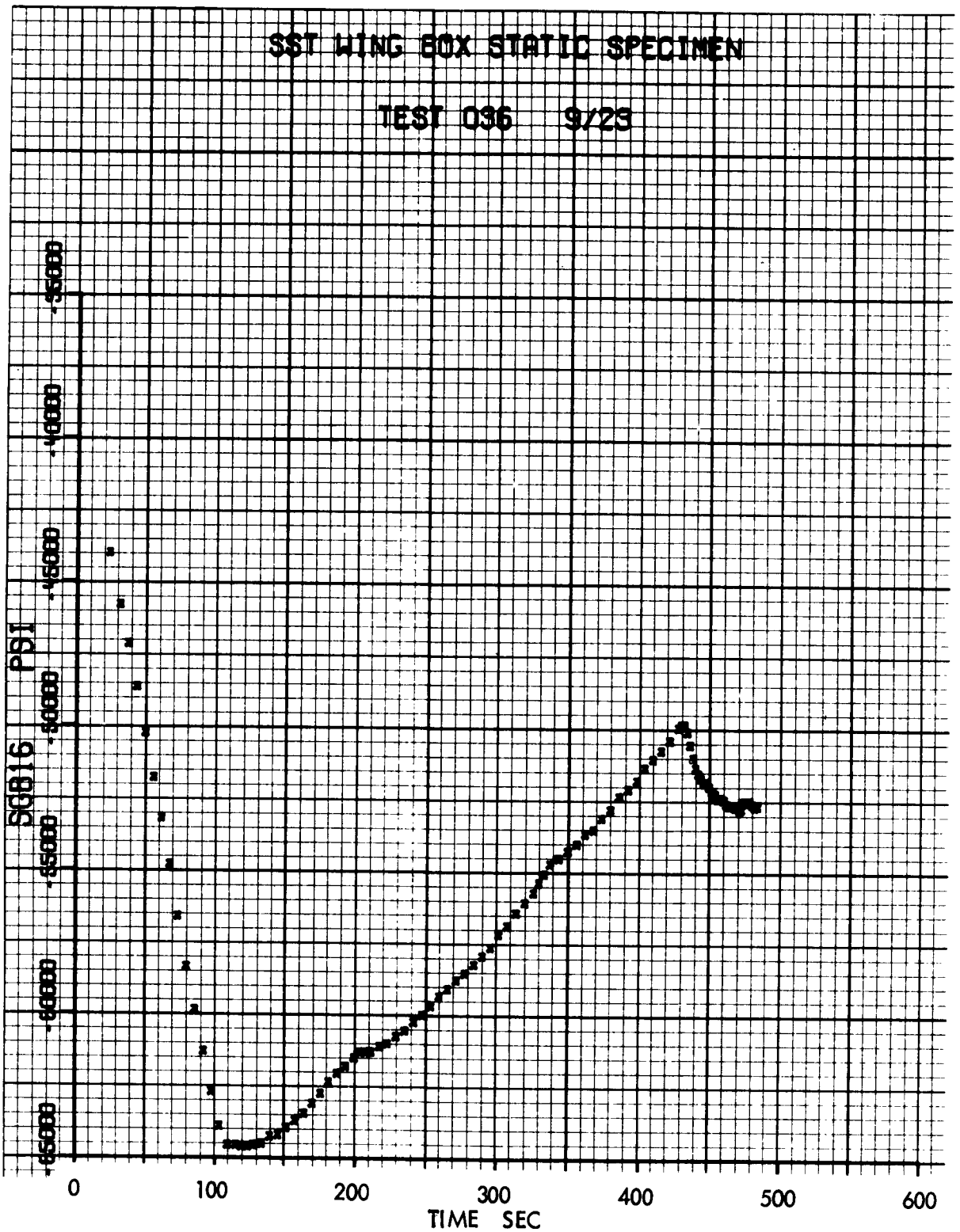
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGB16 PSI
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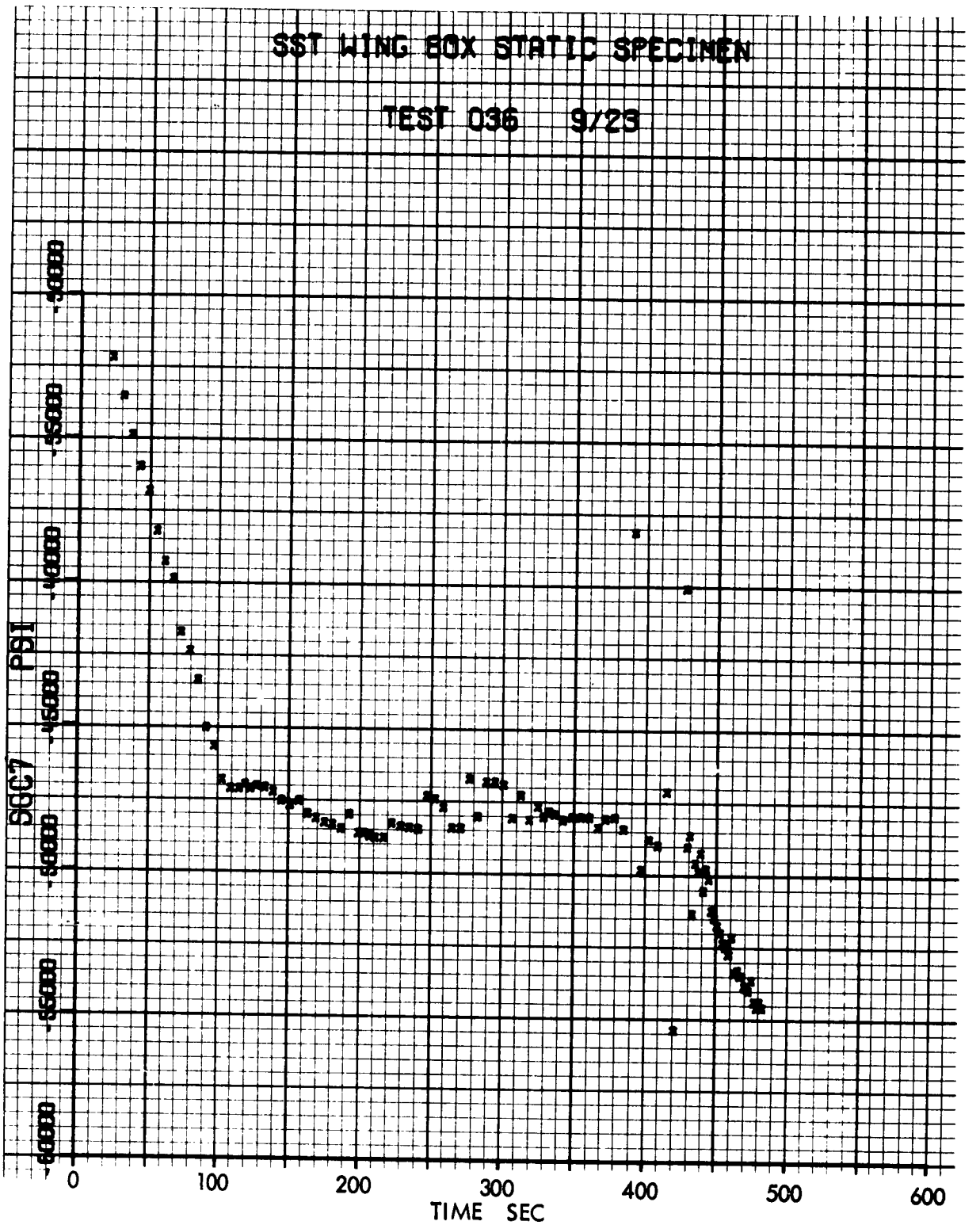
TIME SEC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TEST 036 9/23
SGC7 PSI
TIME SEC
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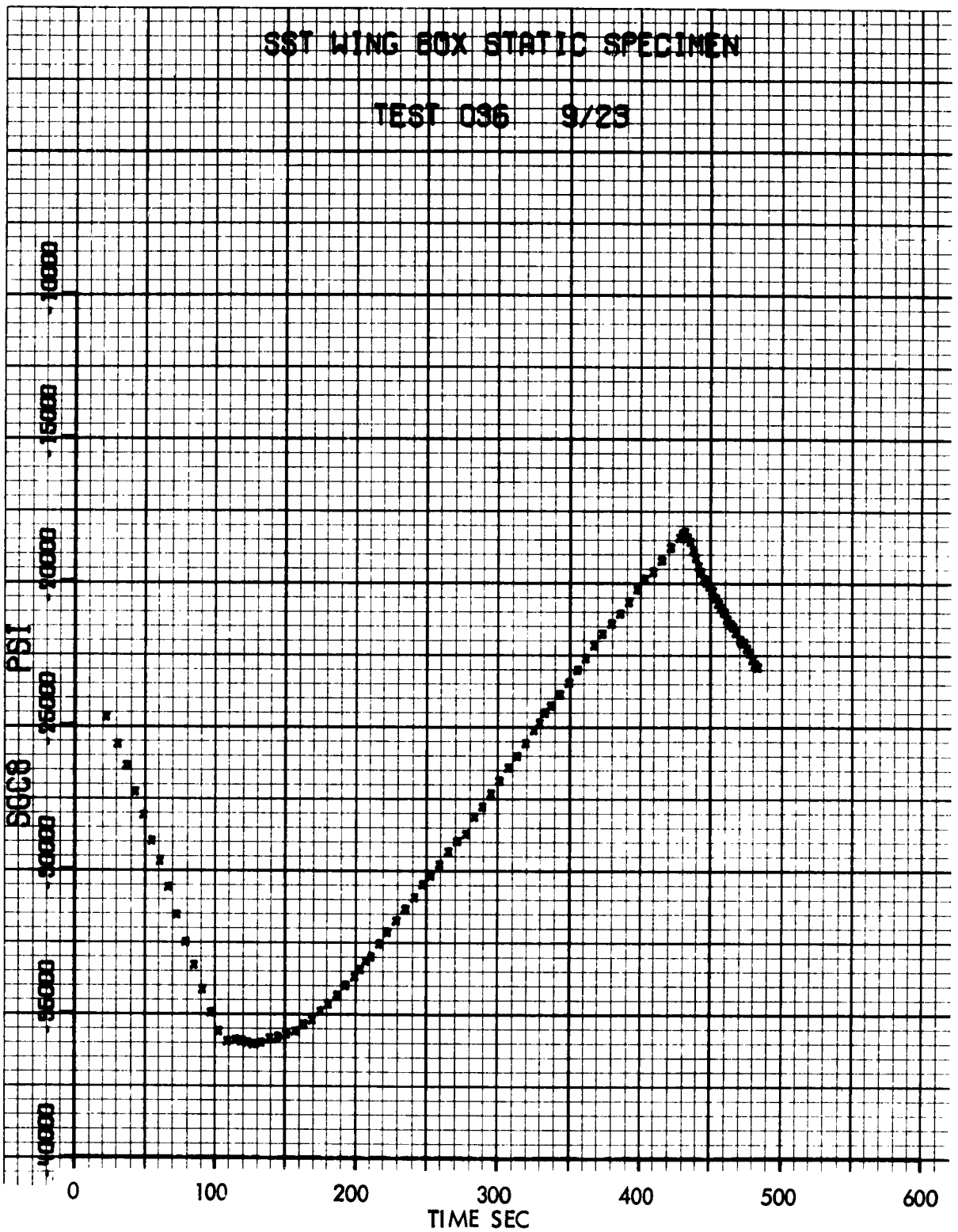
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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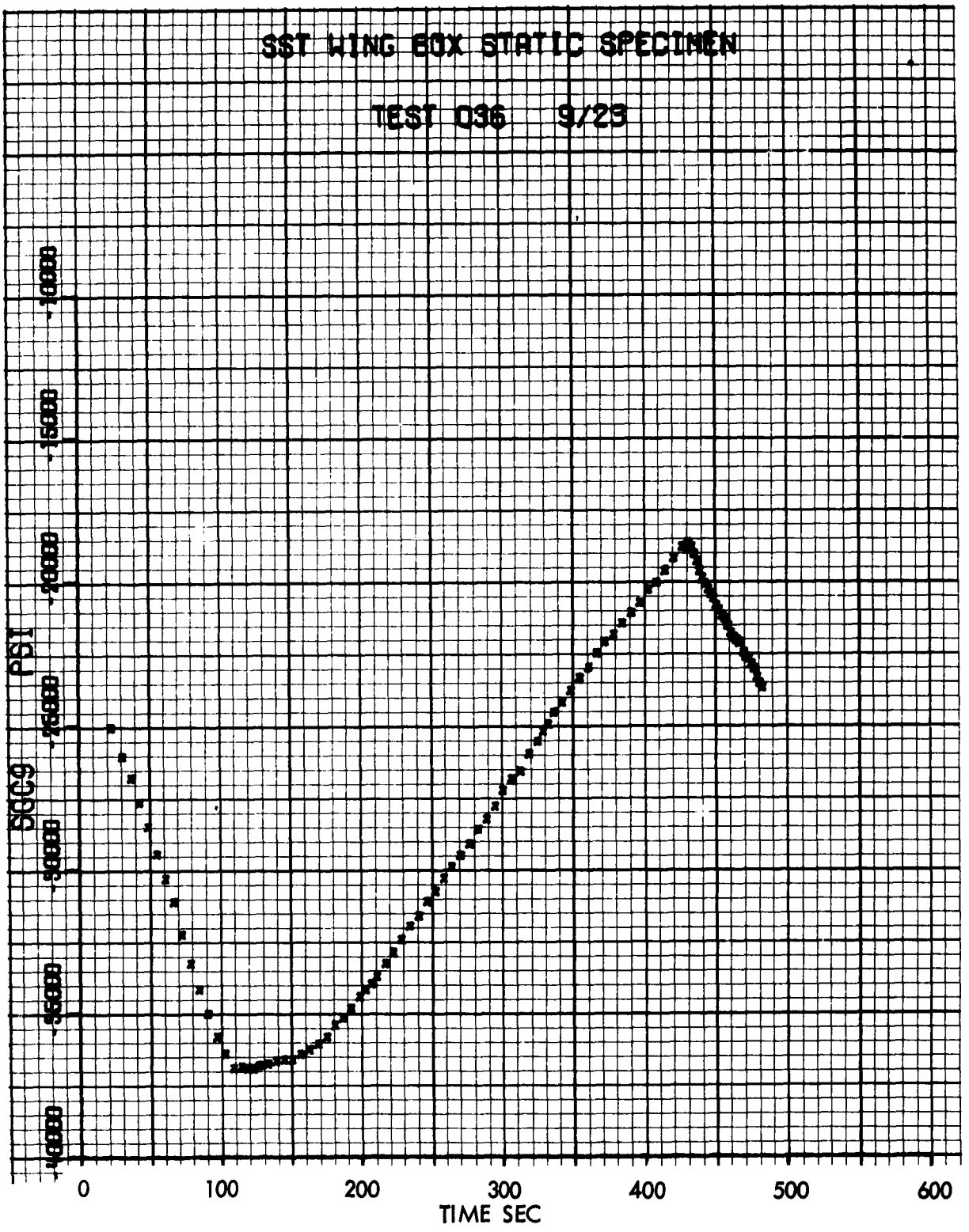
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG69 PSI
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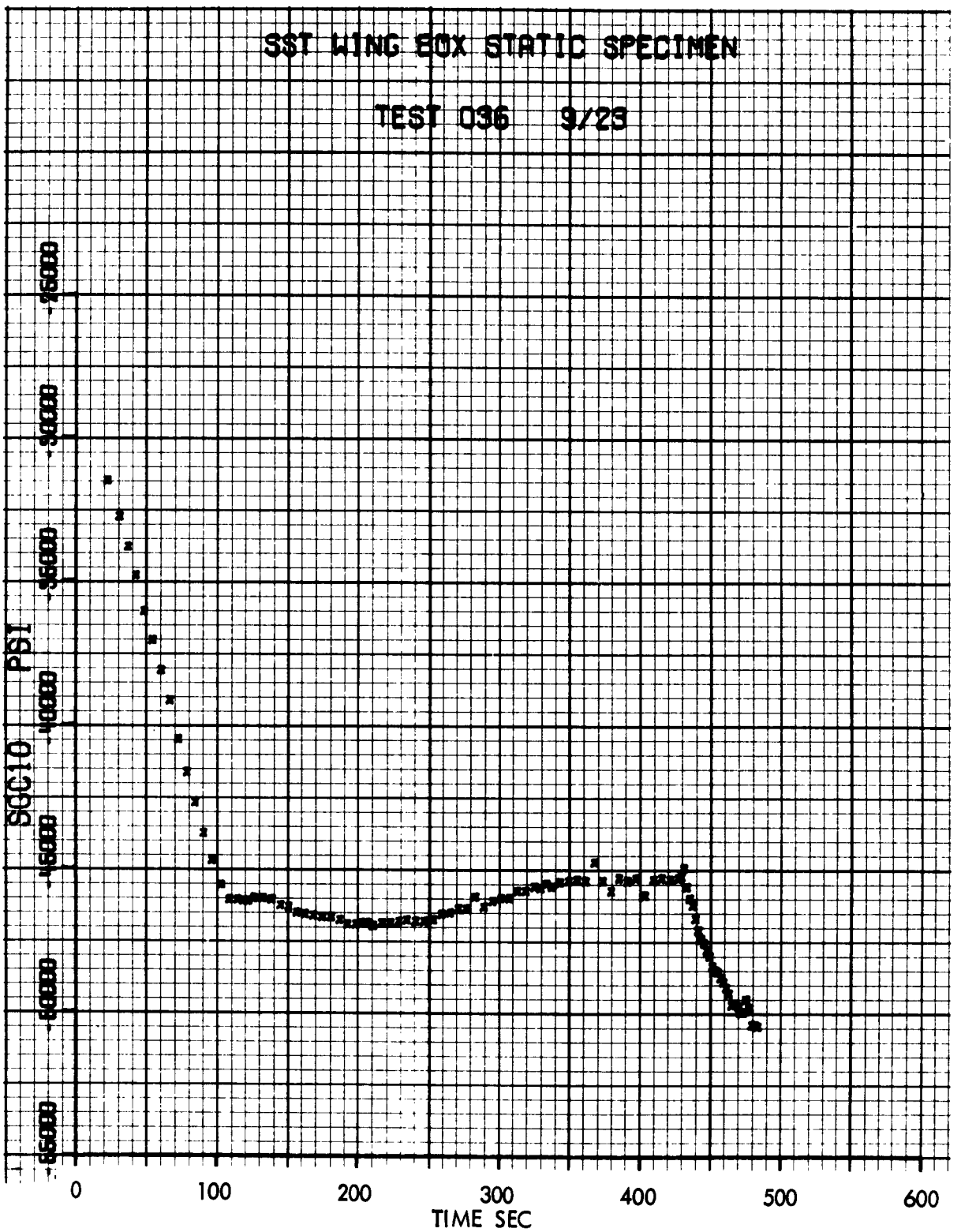
TIME SEC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TIME SEC
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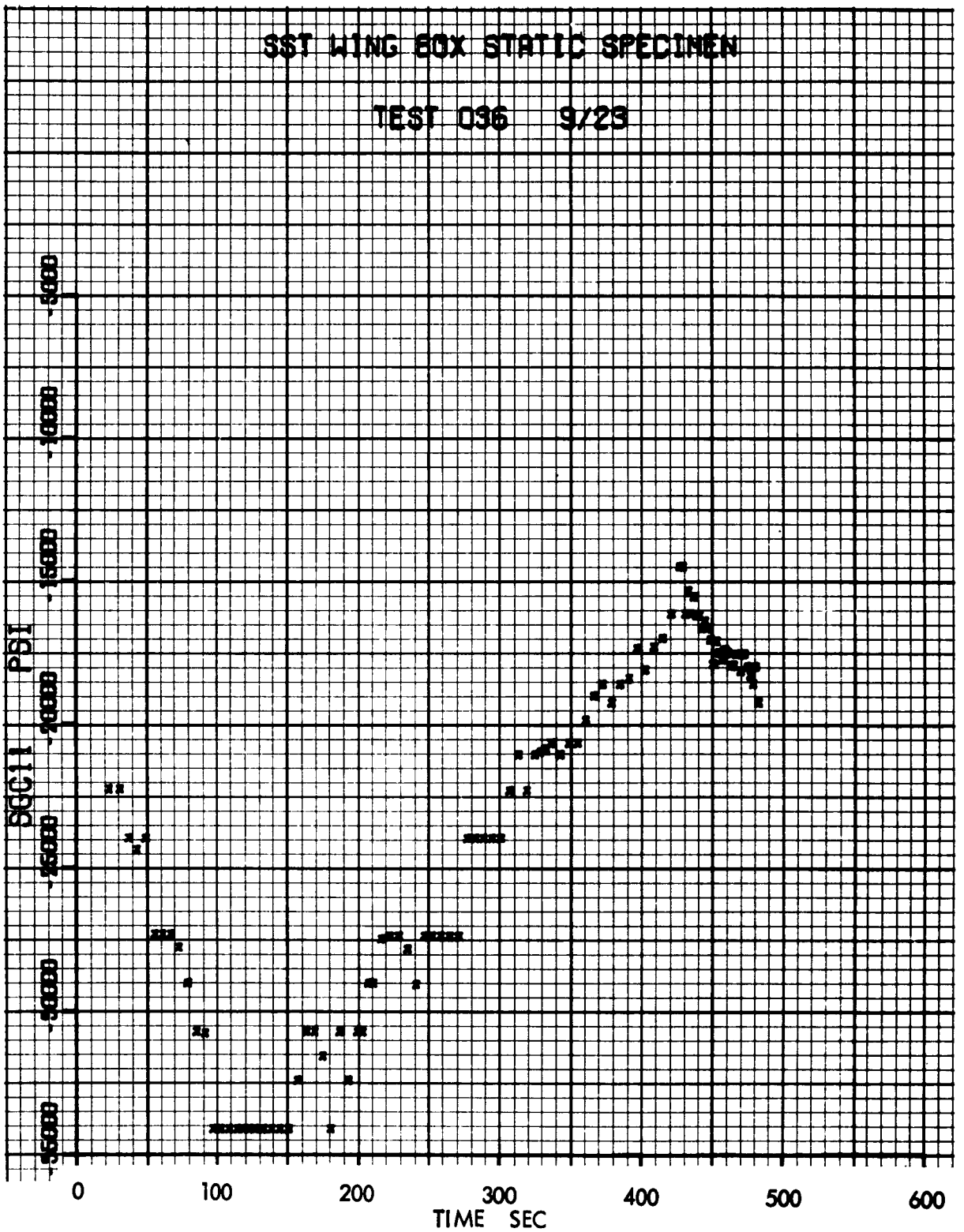
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SGC11 PSI
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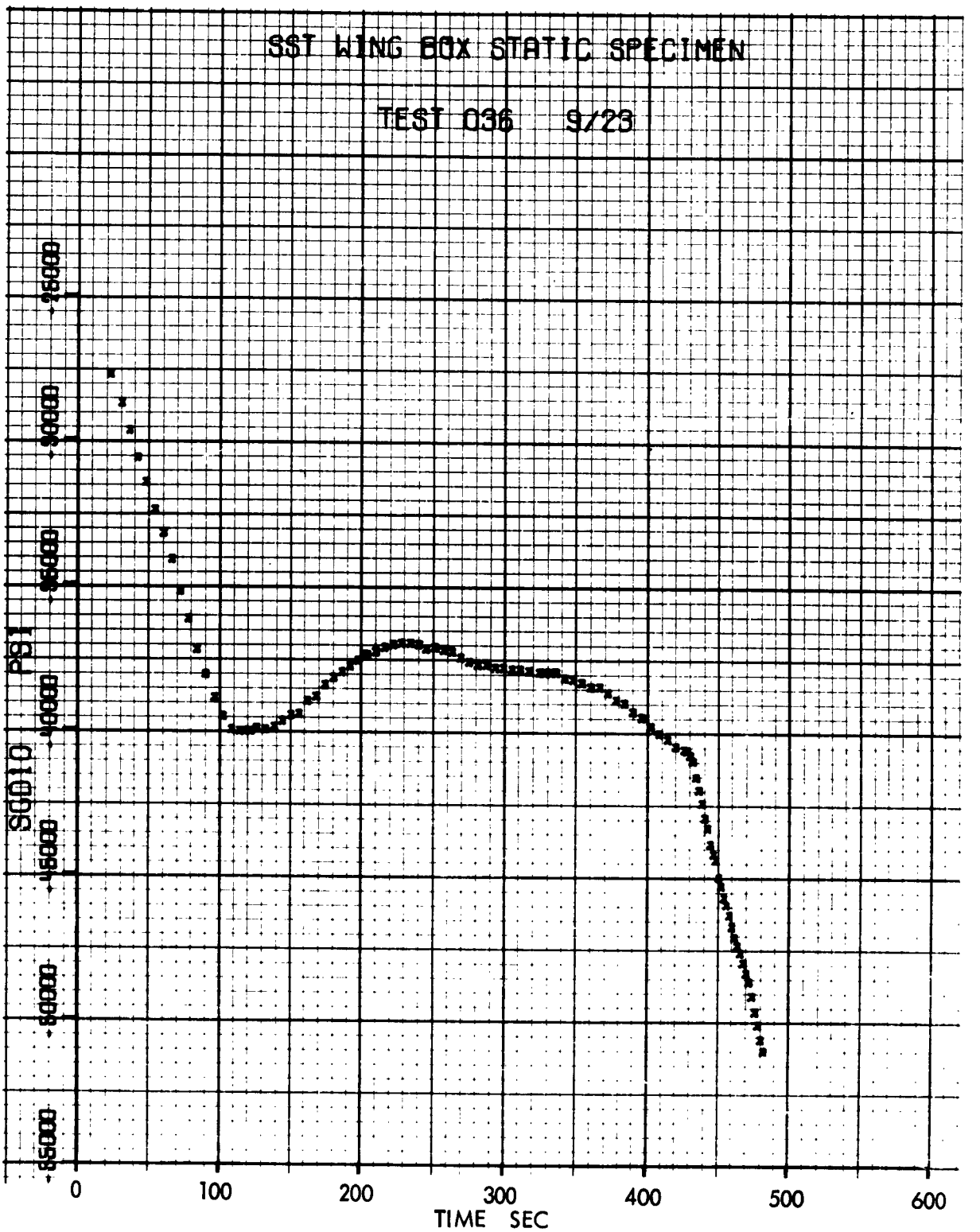
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG010 PSI
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400
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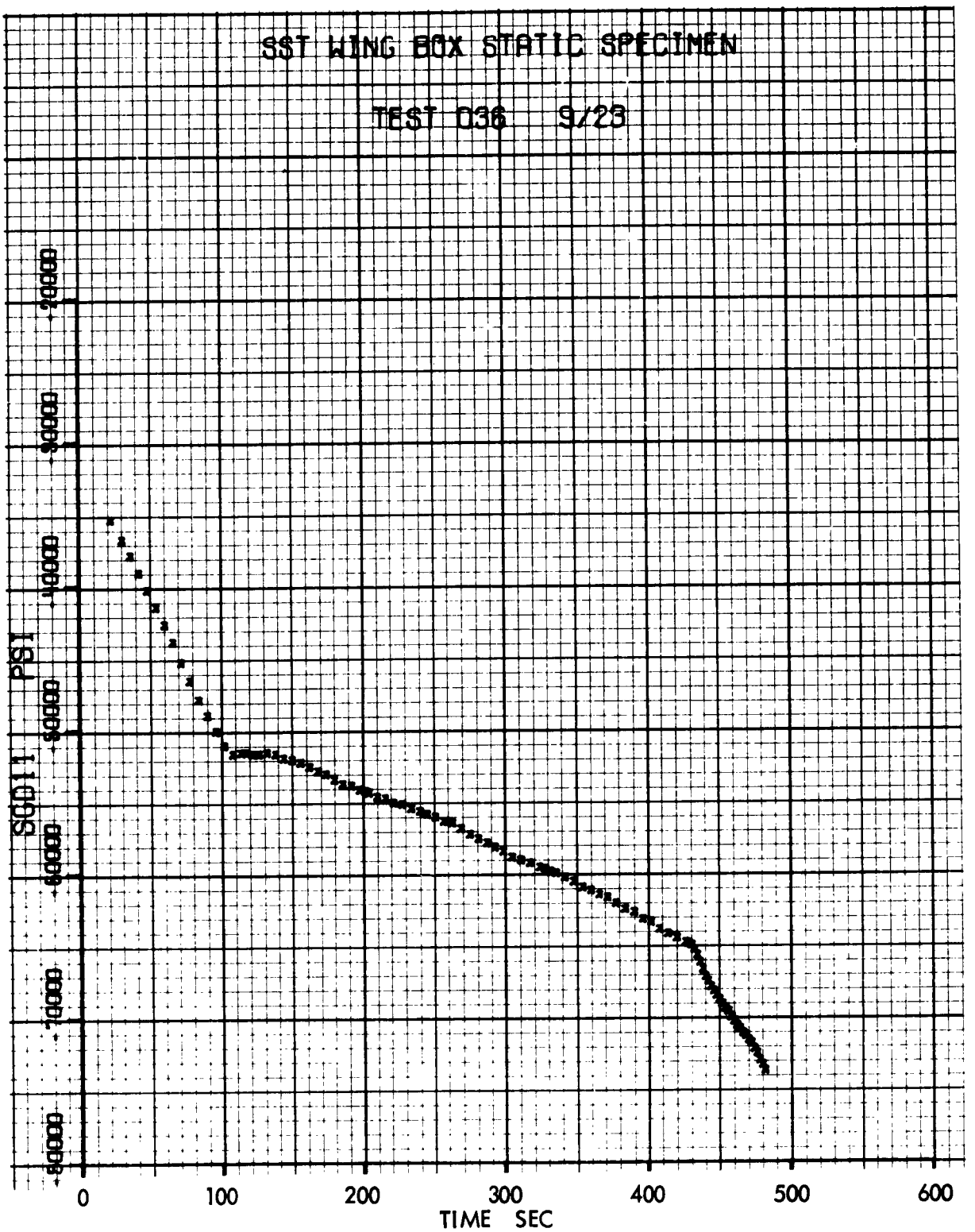
600
TIME SEC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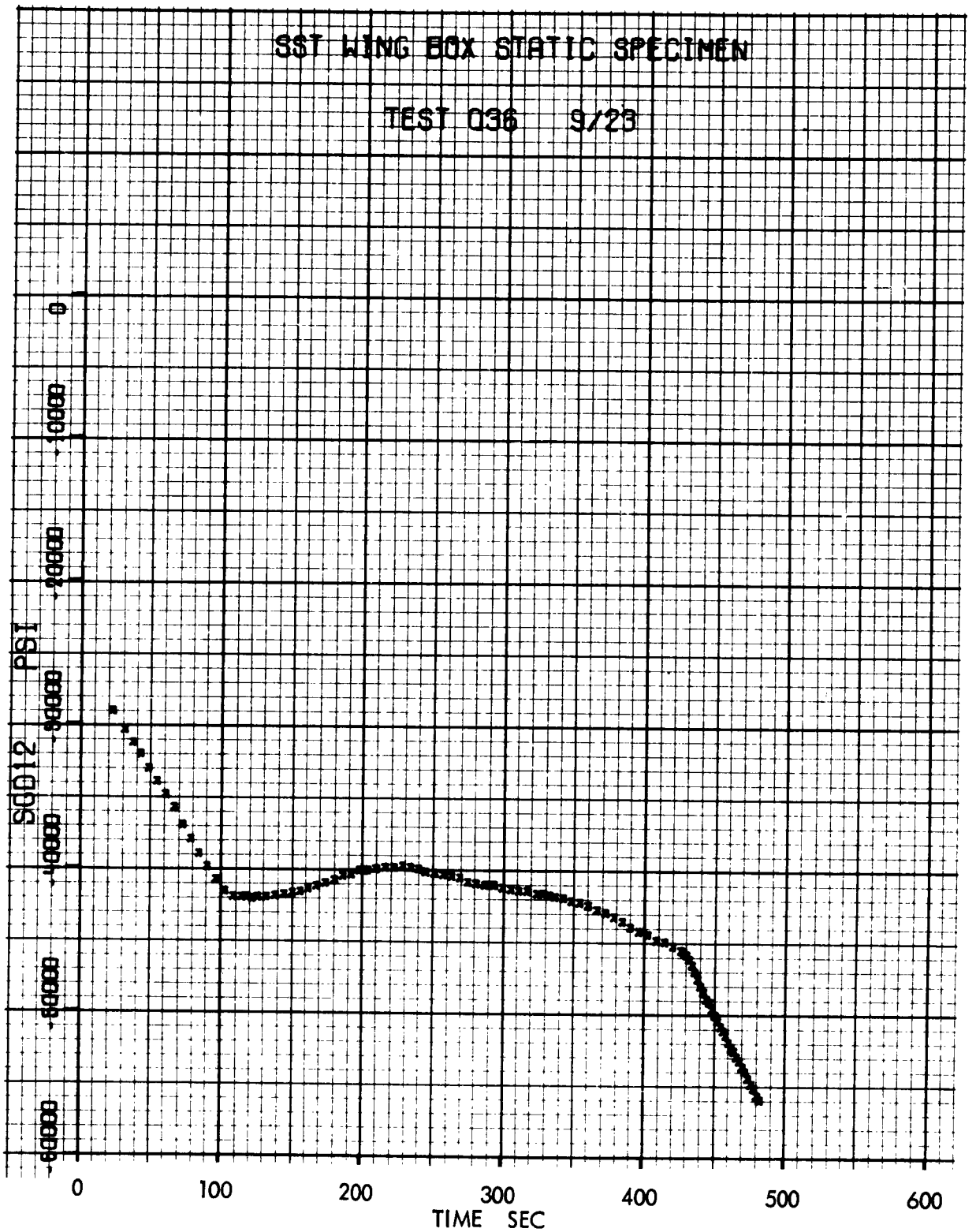
TIME SEC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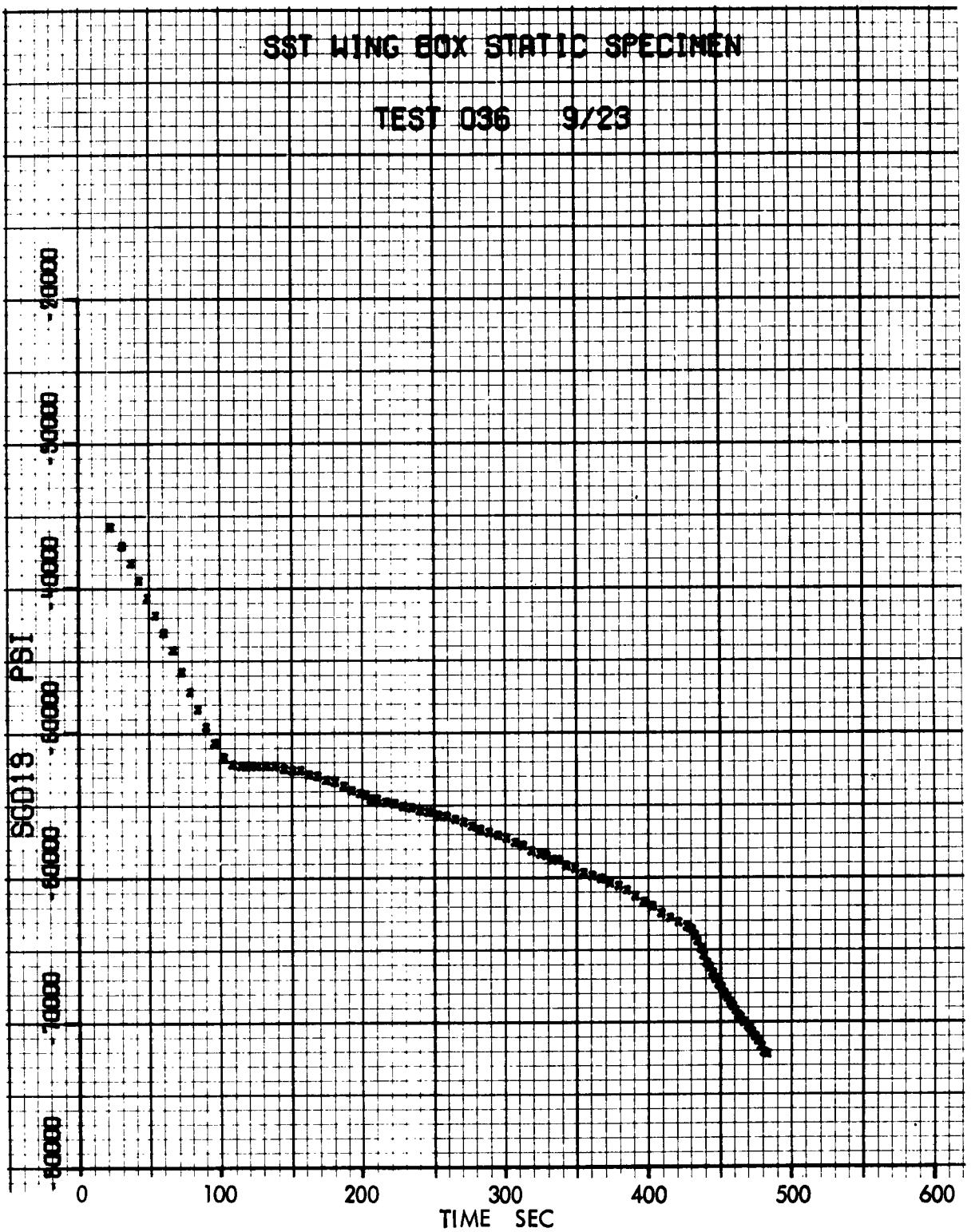
TIME SEC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-7000
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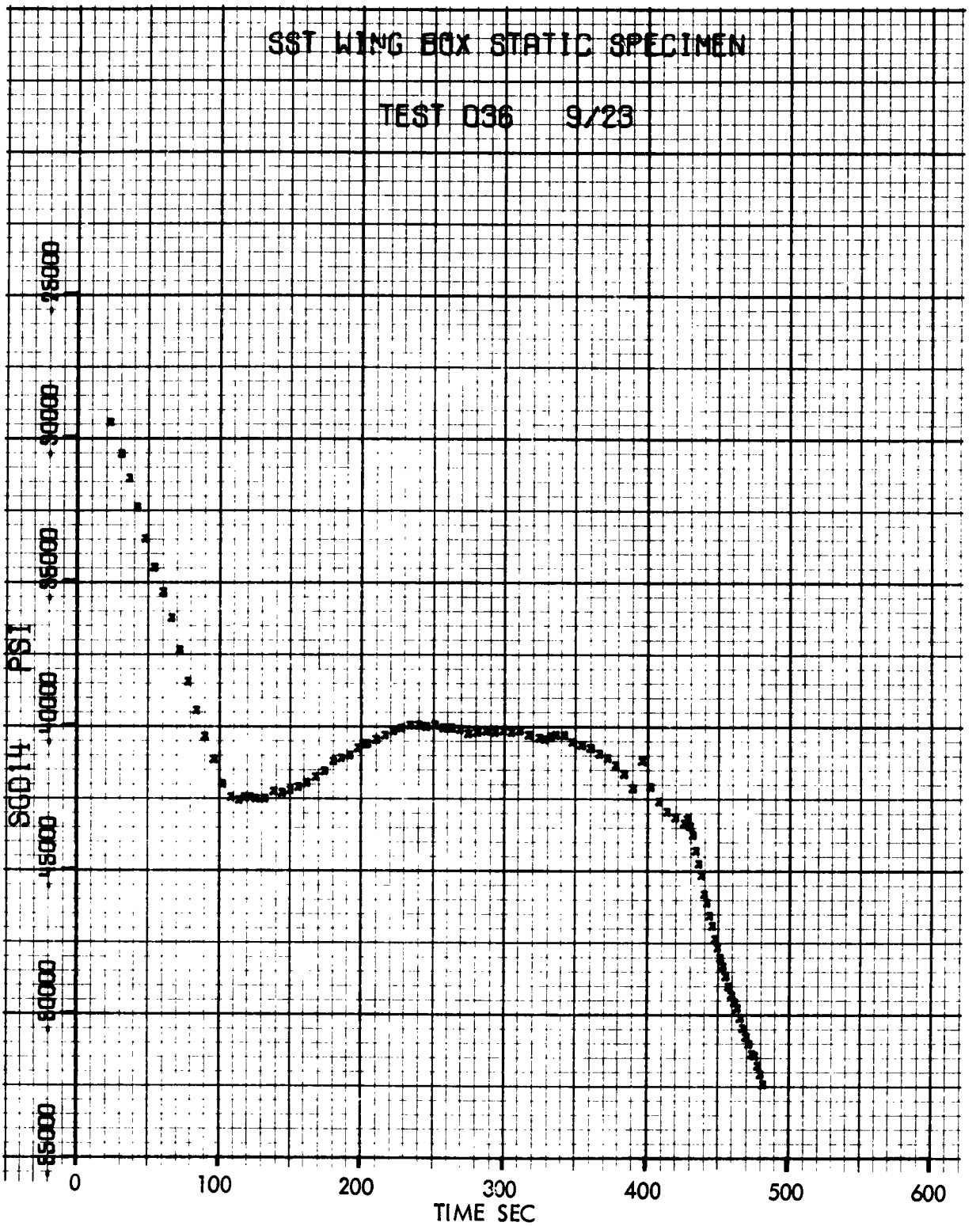
TIME SEC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PSI
TIME SEC
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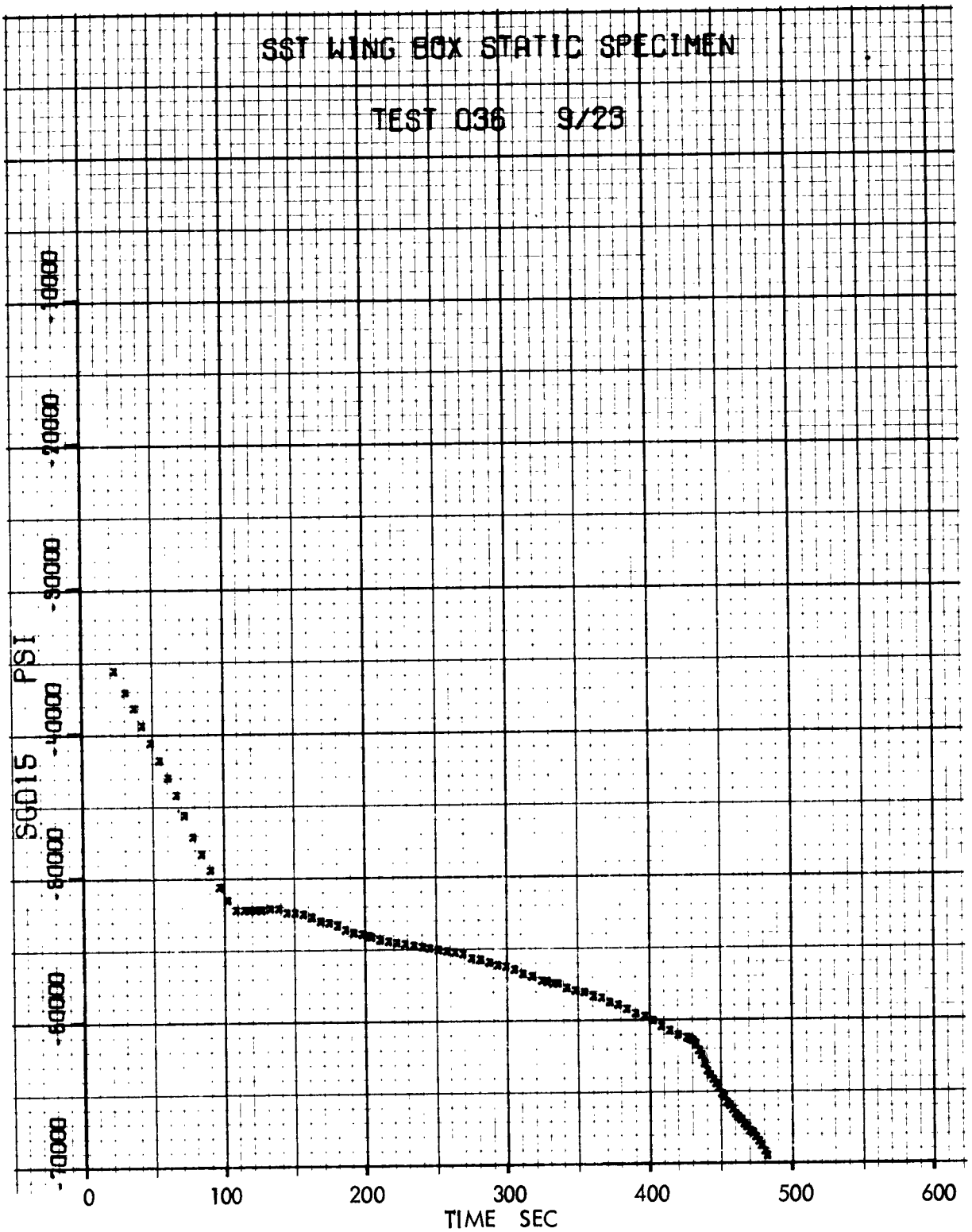
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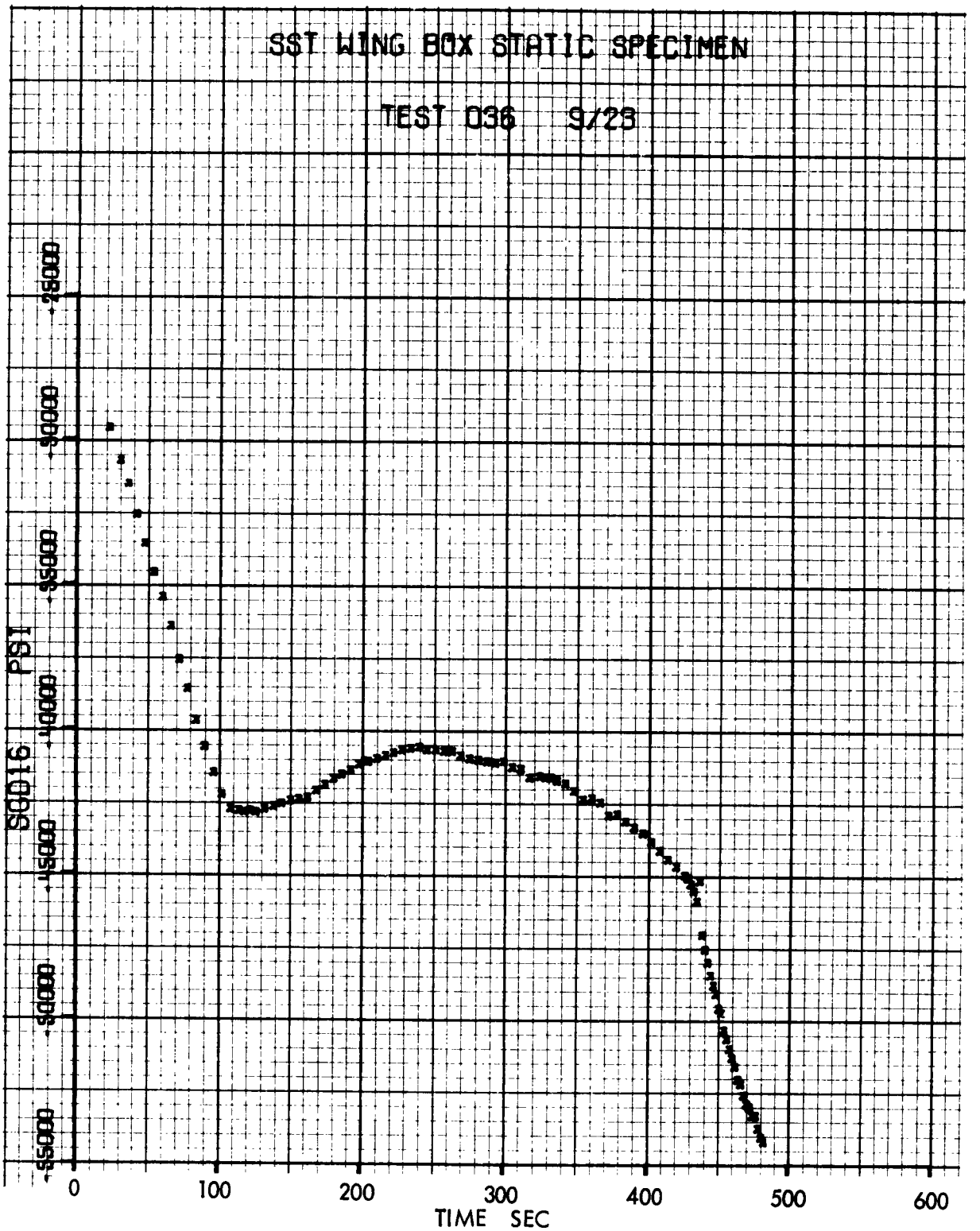
TIME SEC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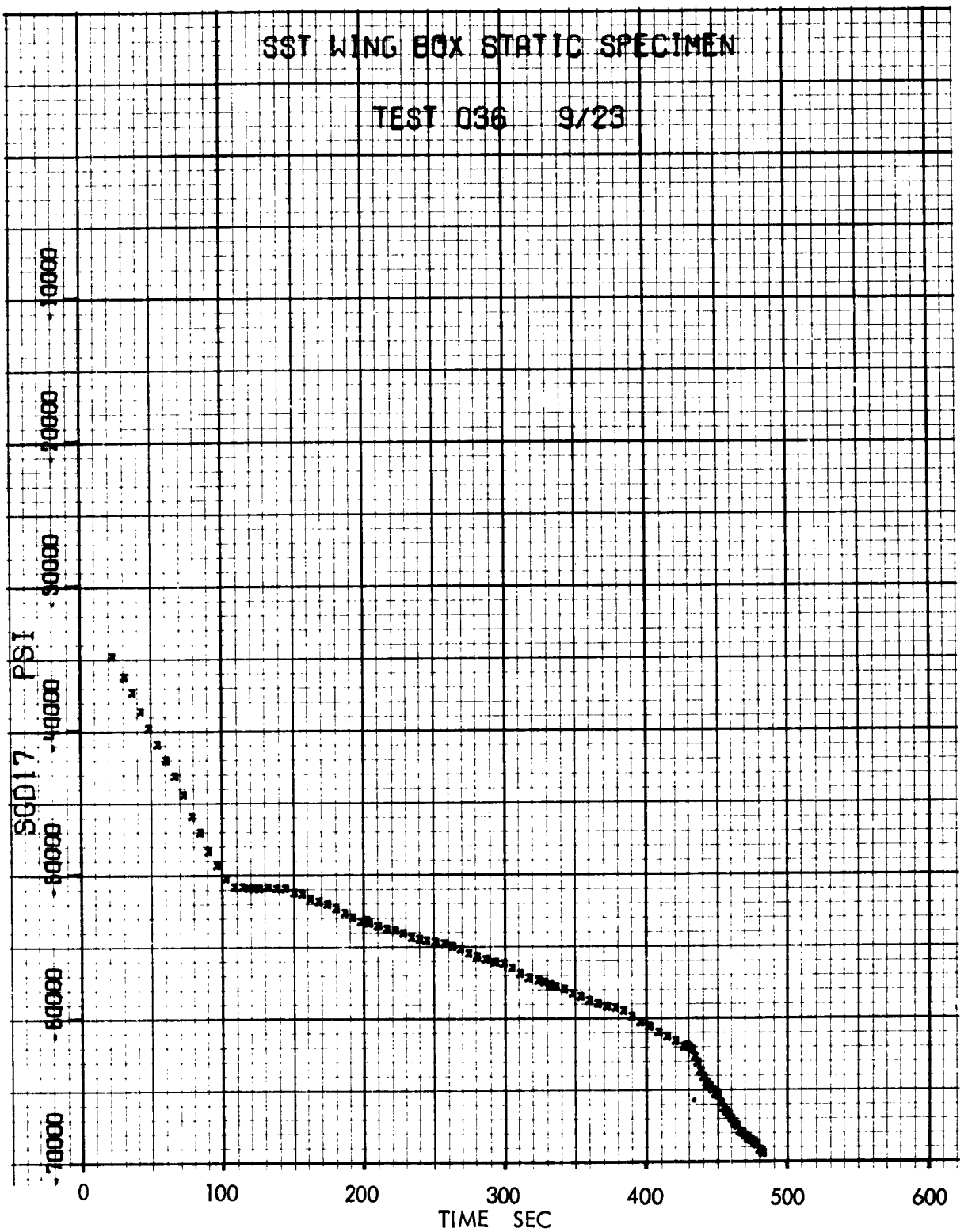
400
500
600
TIME SEC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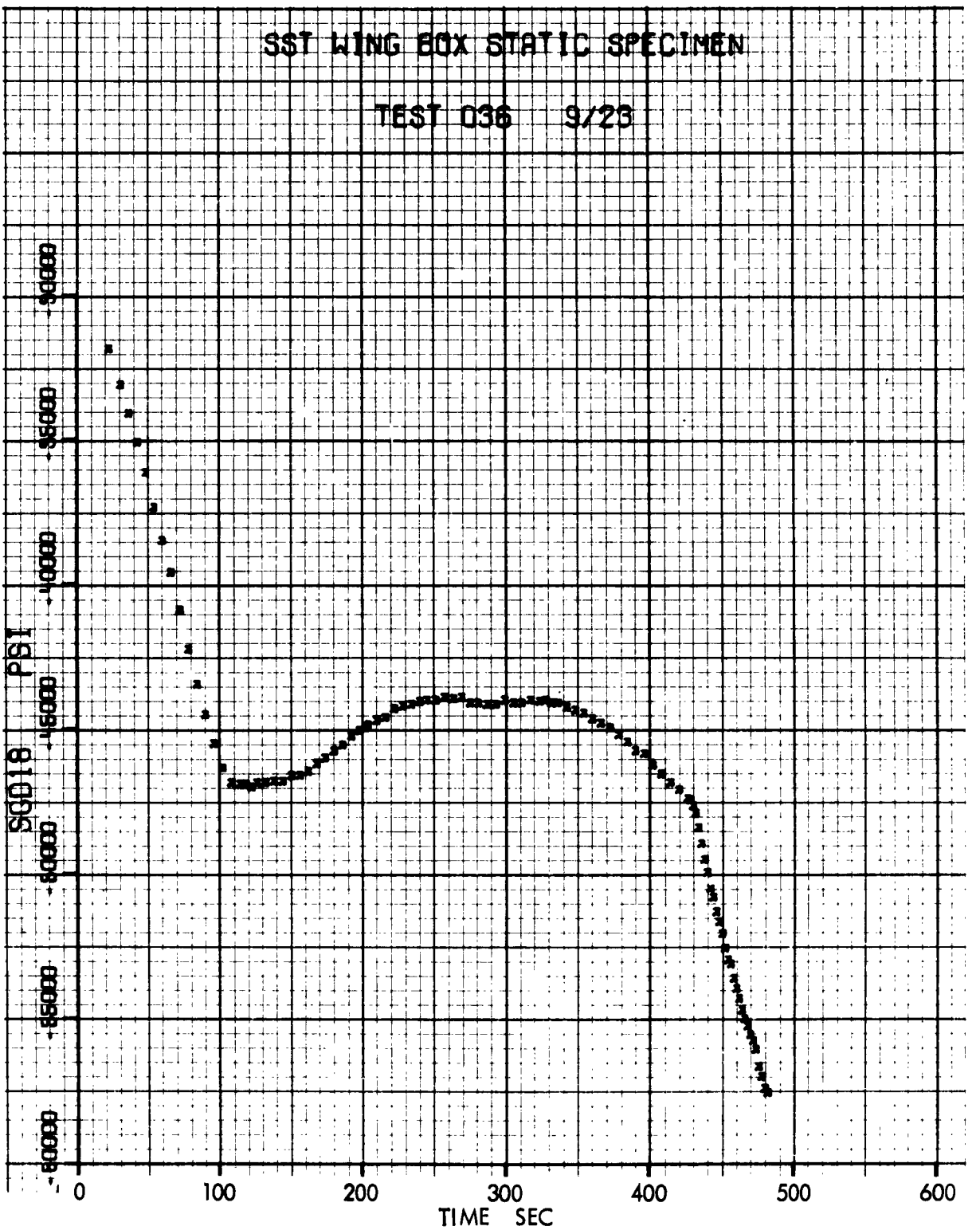
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG018 PSI
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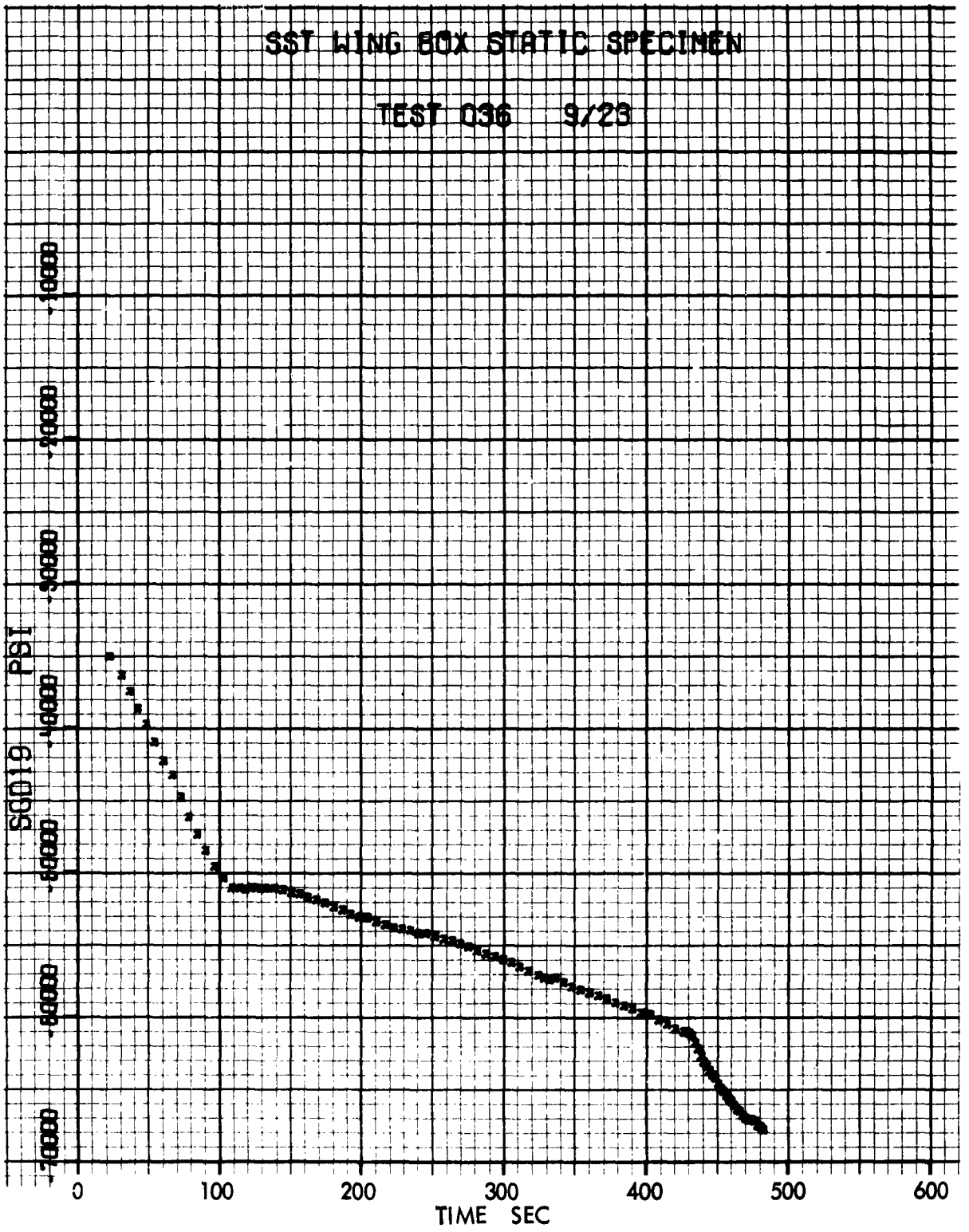
TIME SEC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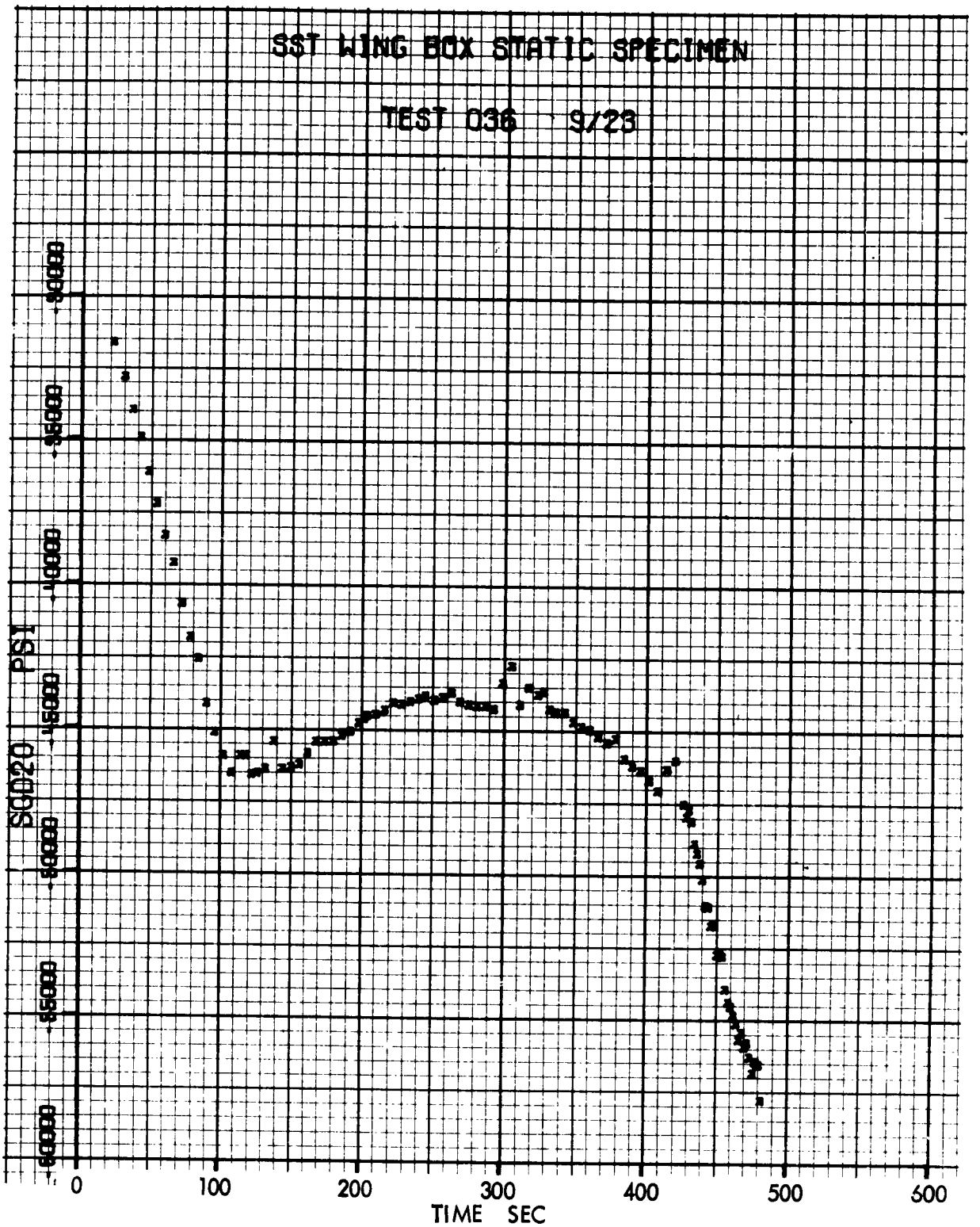
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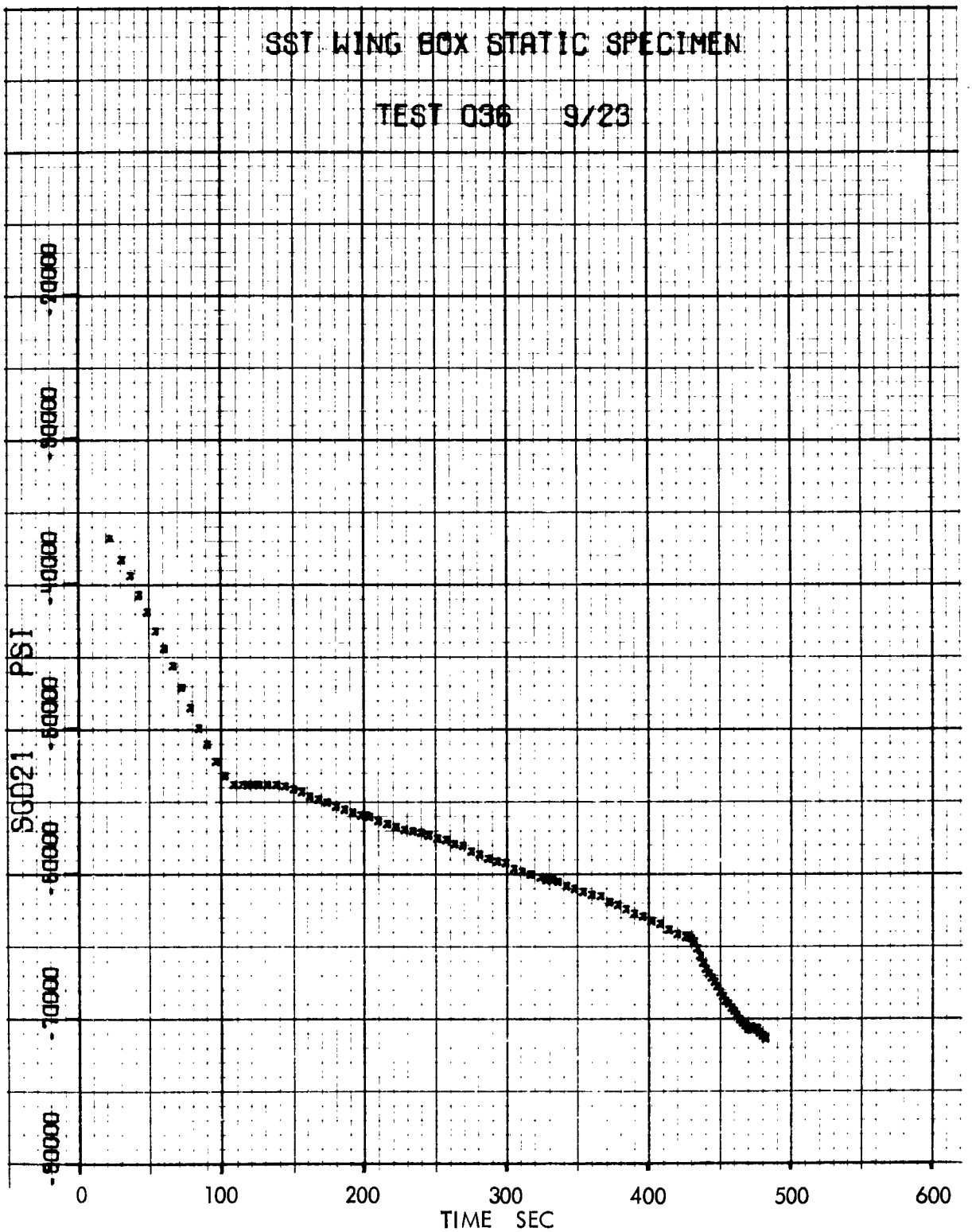
TIME SEC


SST WING BOX STATIC SPECIMEN
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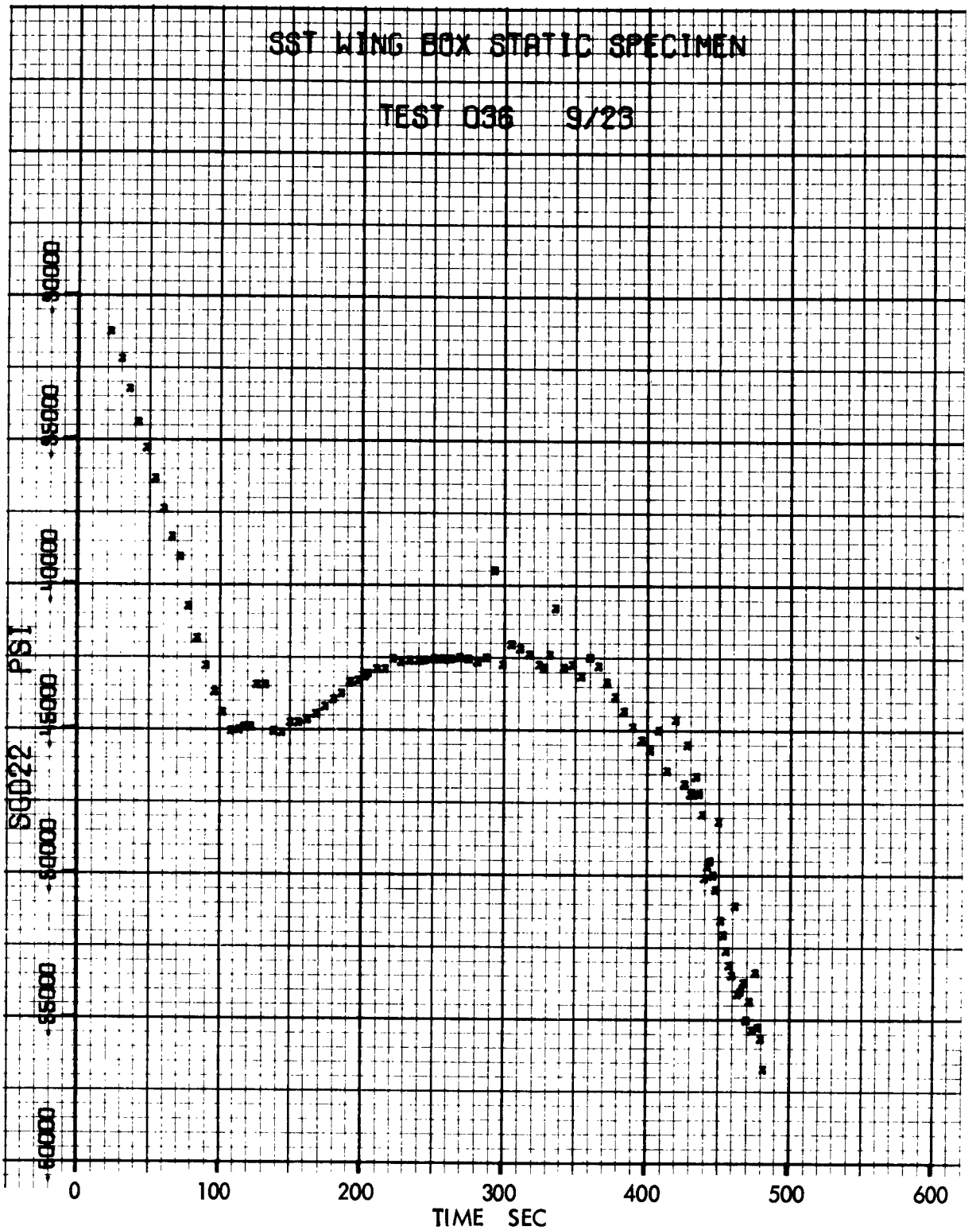
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
PSI
22005
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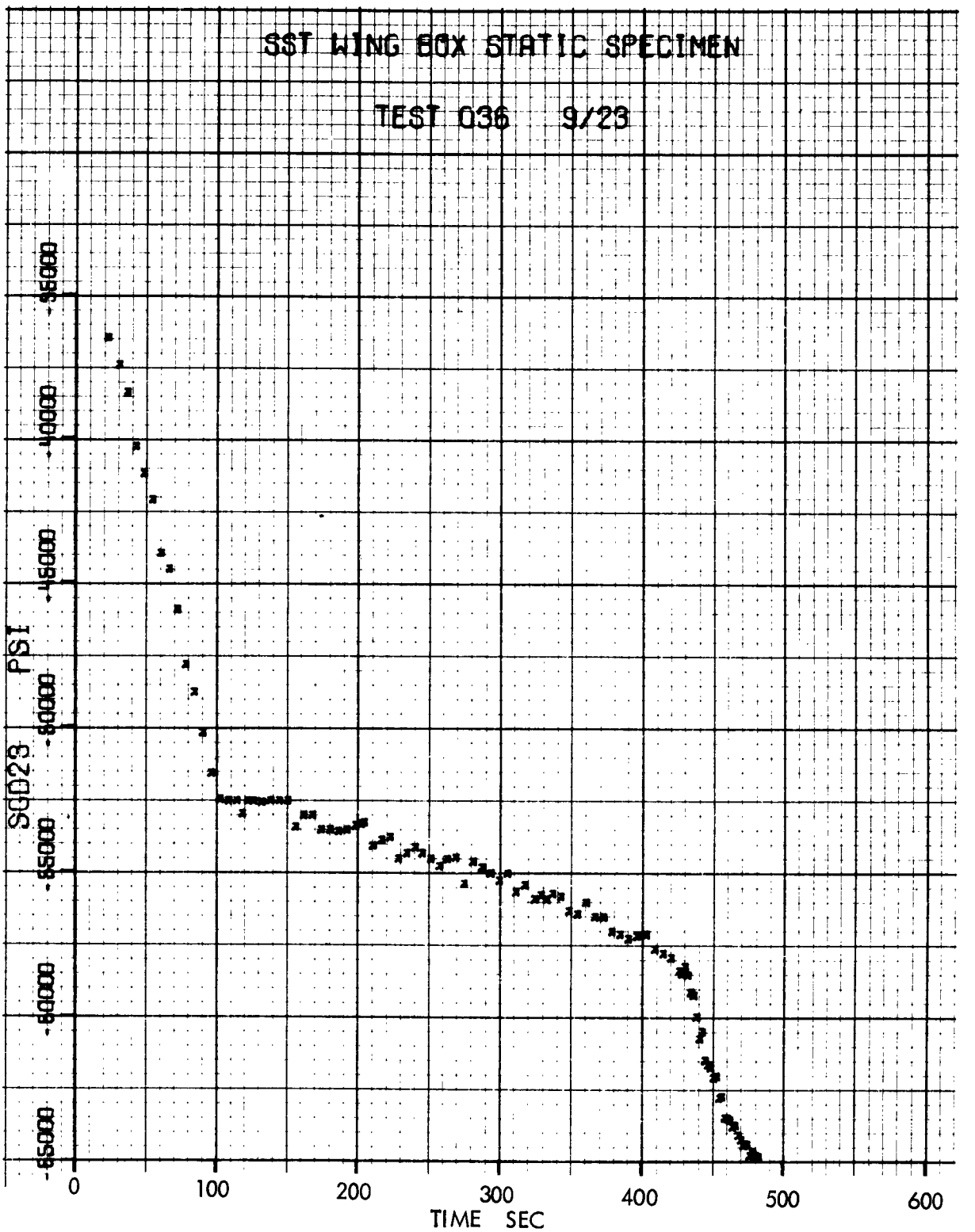
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG023 PSI
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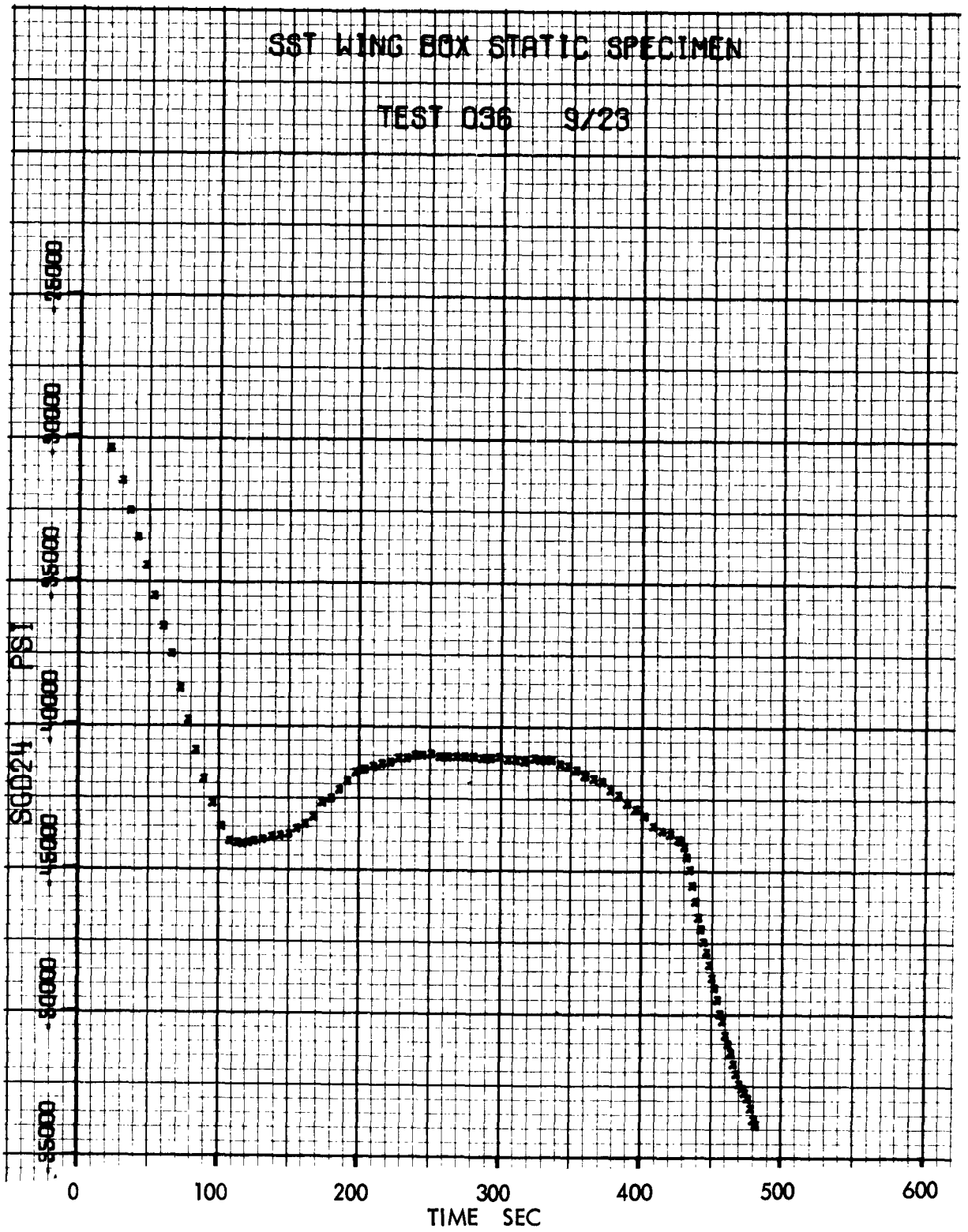
300
400
500
600
TIME SEC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TEST 036 9/23
SG024 psi
TIME SEC
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500
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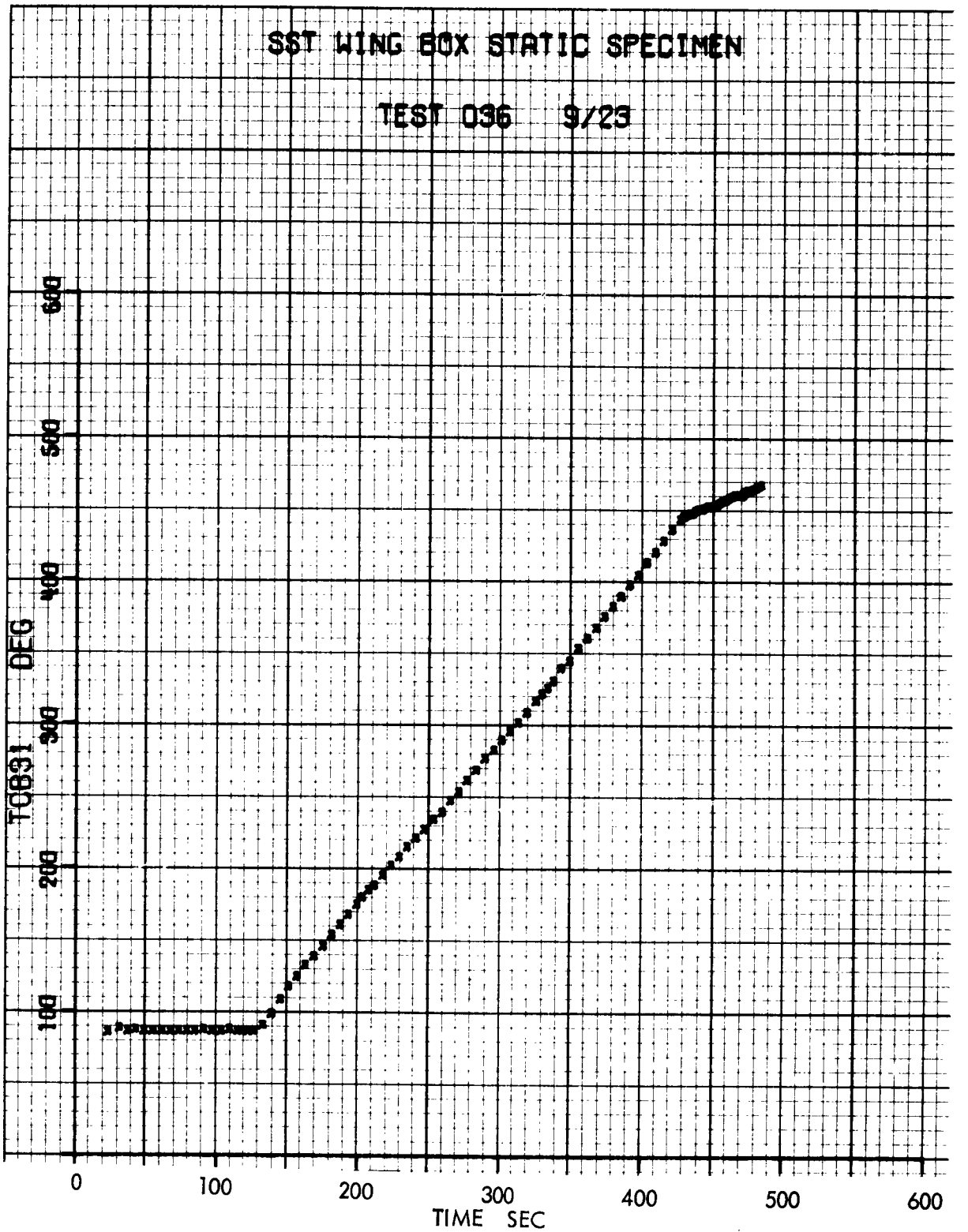
SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC831 DEG
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300
400
500
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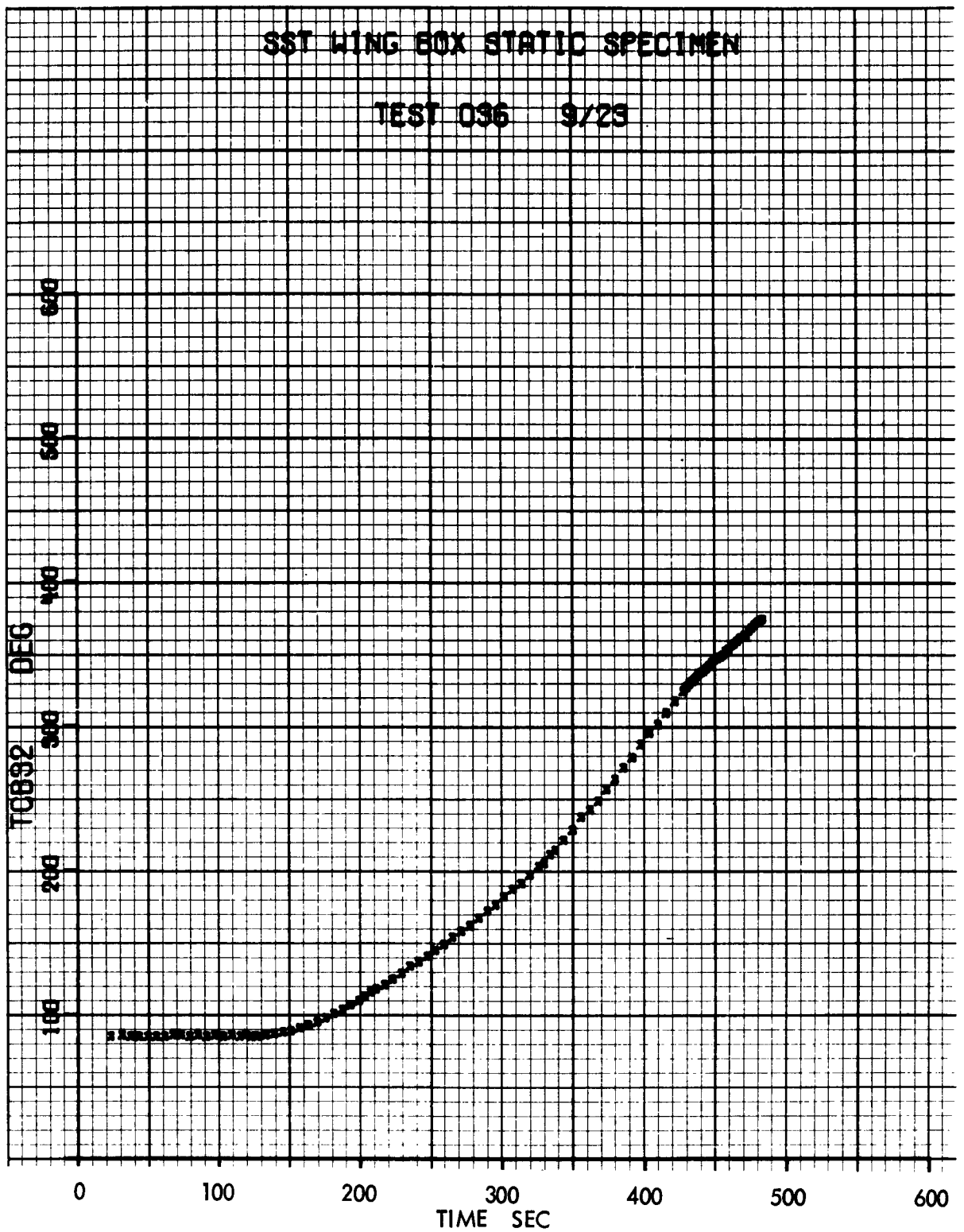
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC892 DEG
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200
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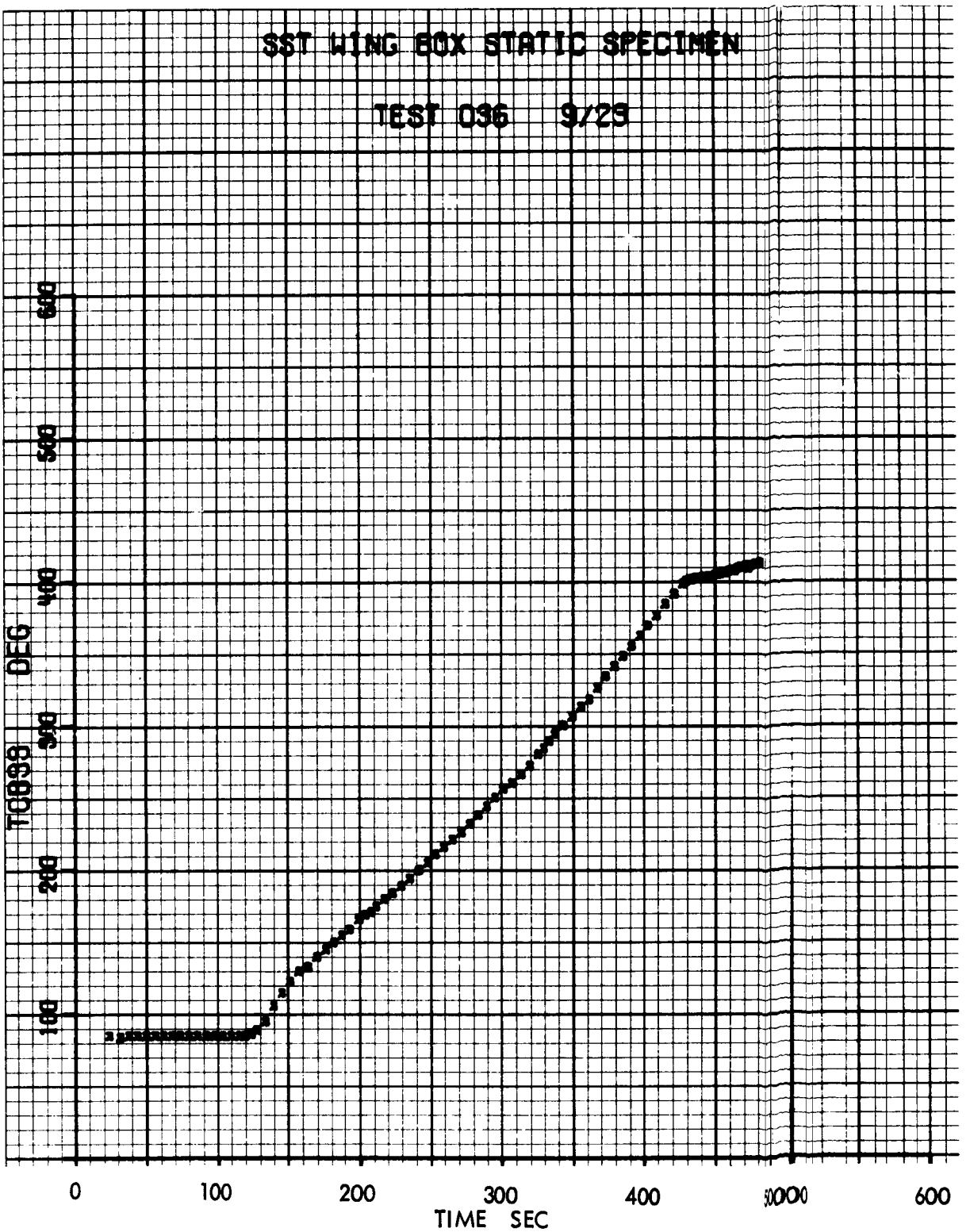
0
100
200
300
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TC099 DEG
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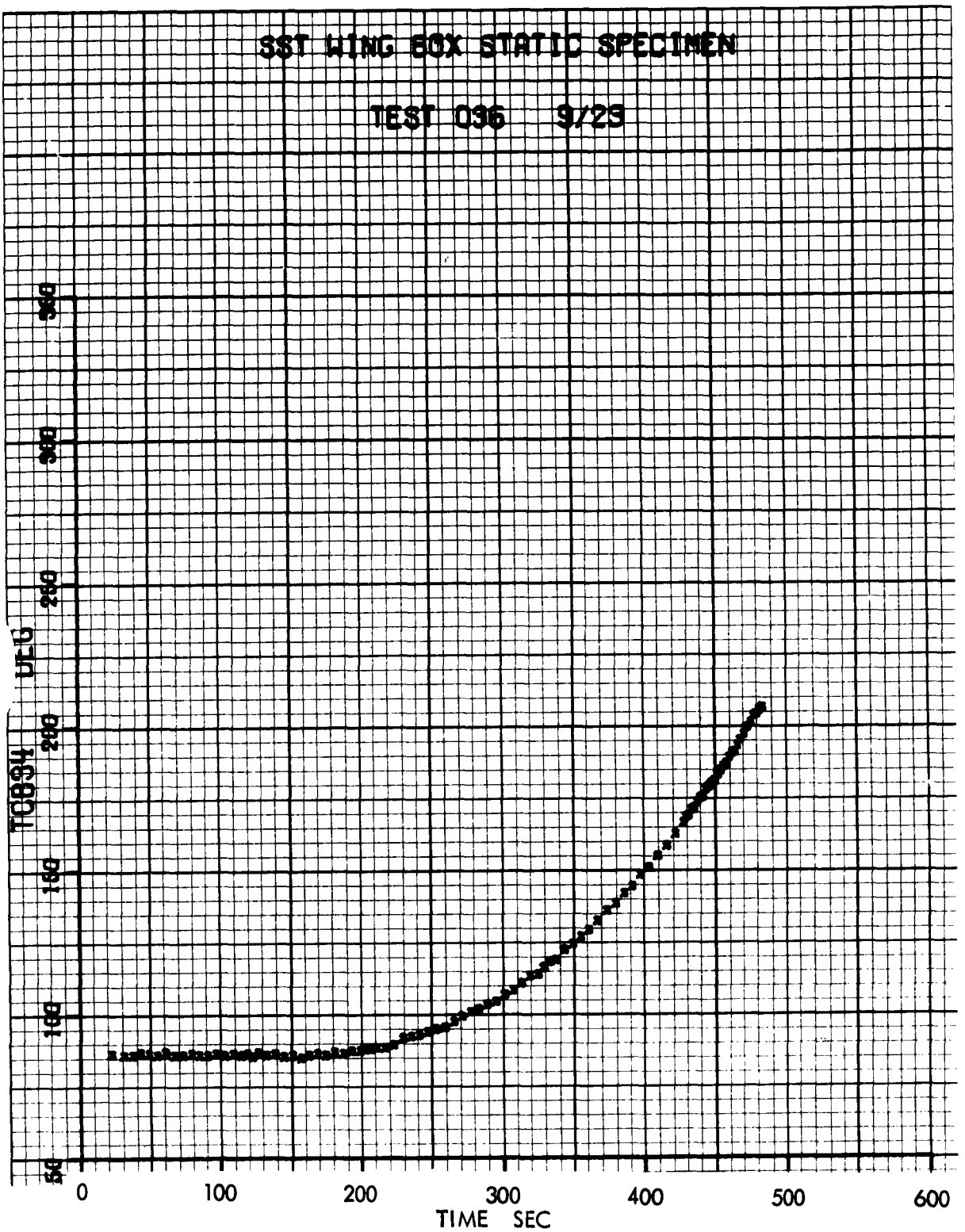
400
500
600
TIME SEC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TEST 036 9/29
TC0834 DEG
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200
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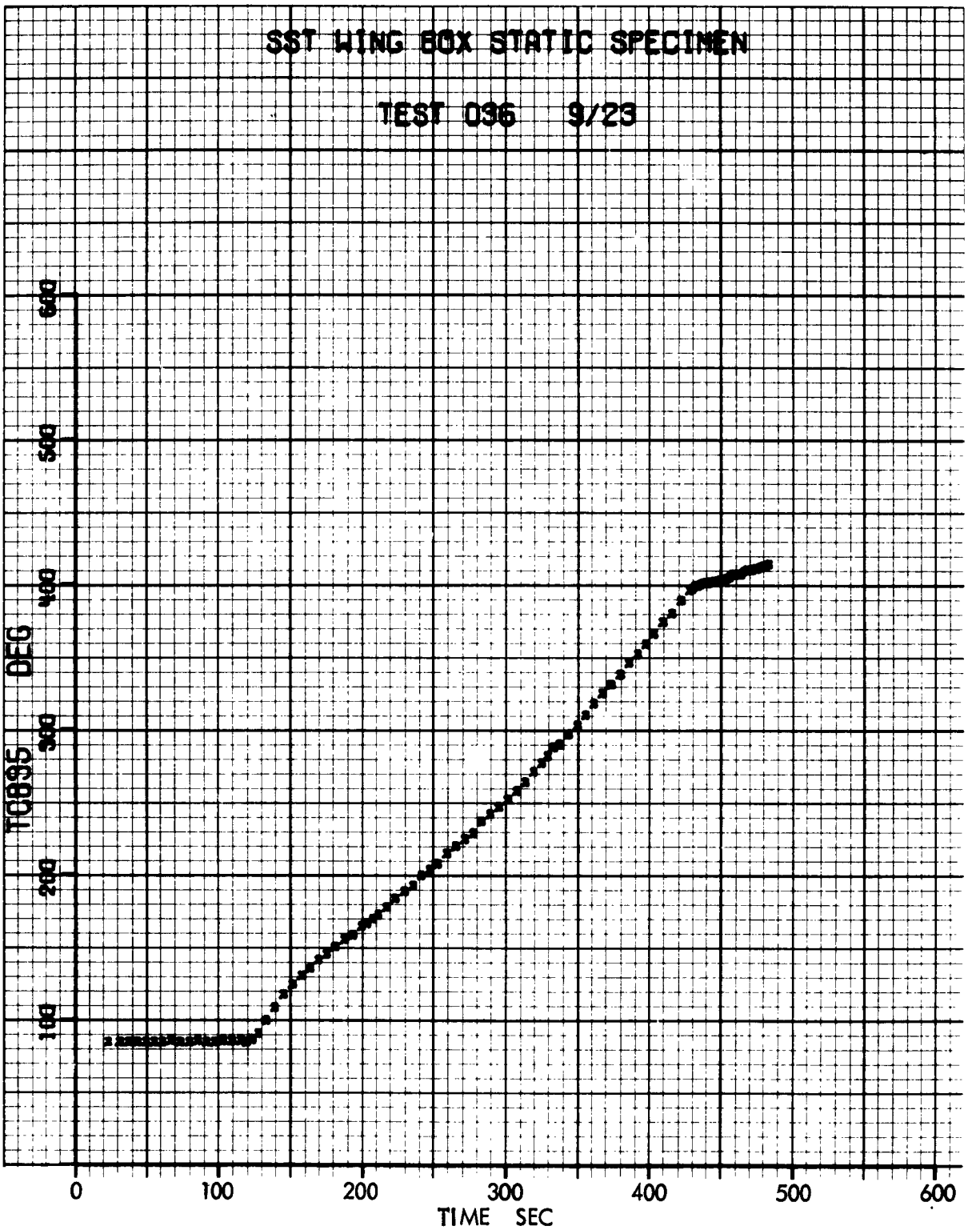
TIME SEC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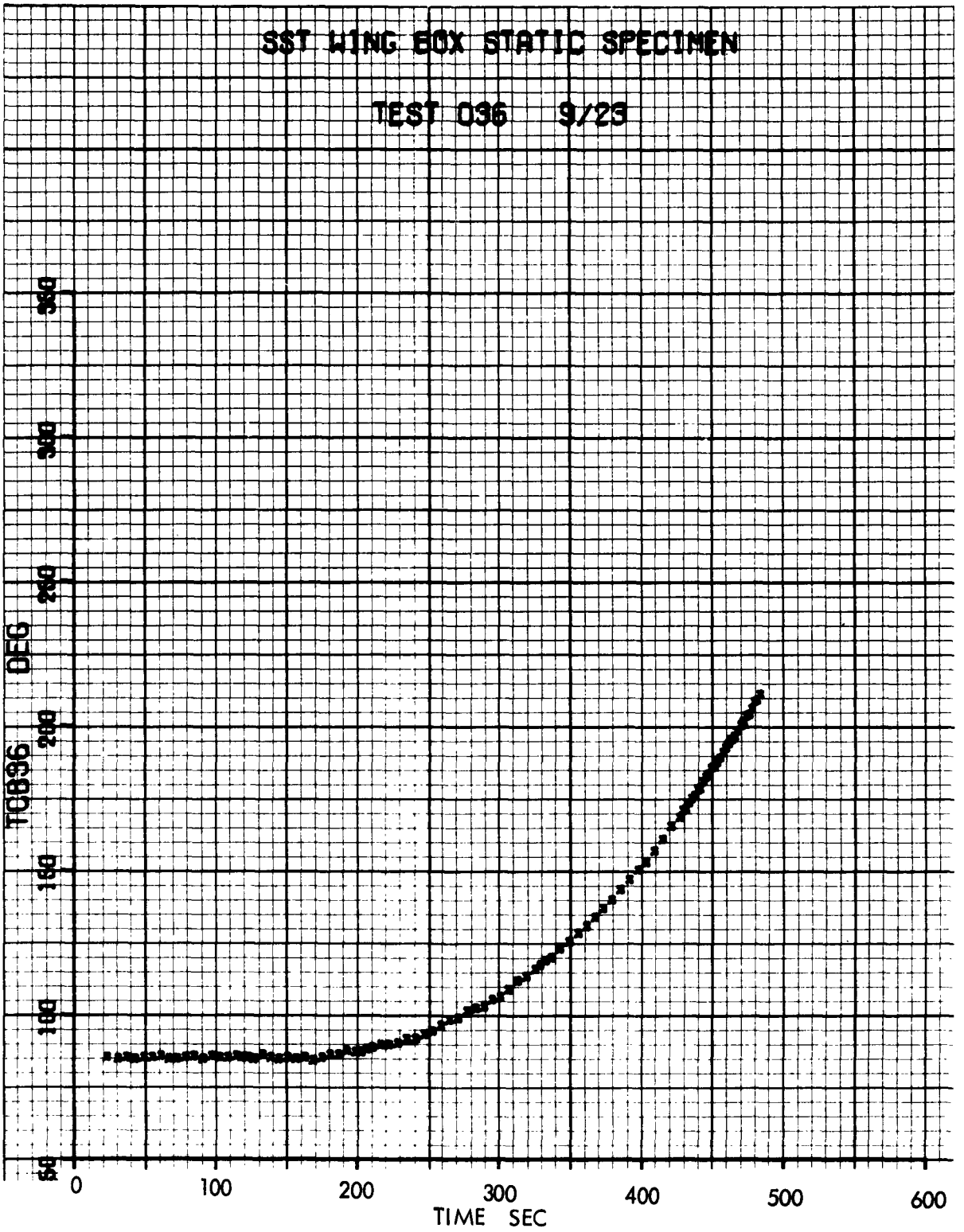
600
TIME SEC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TC896 DEG
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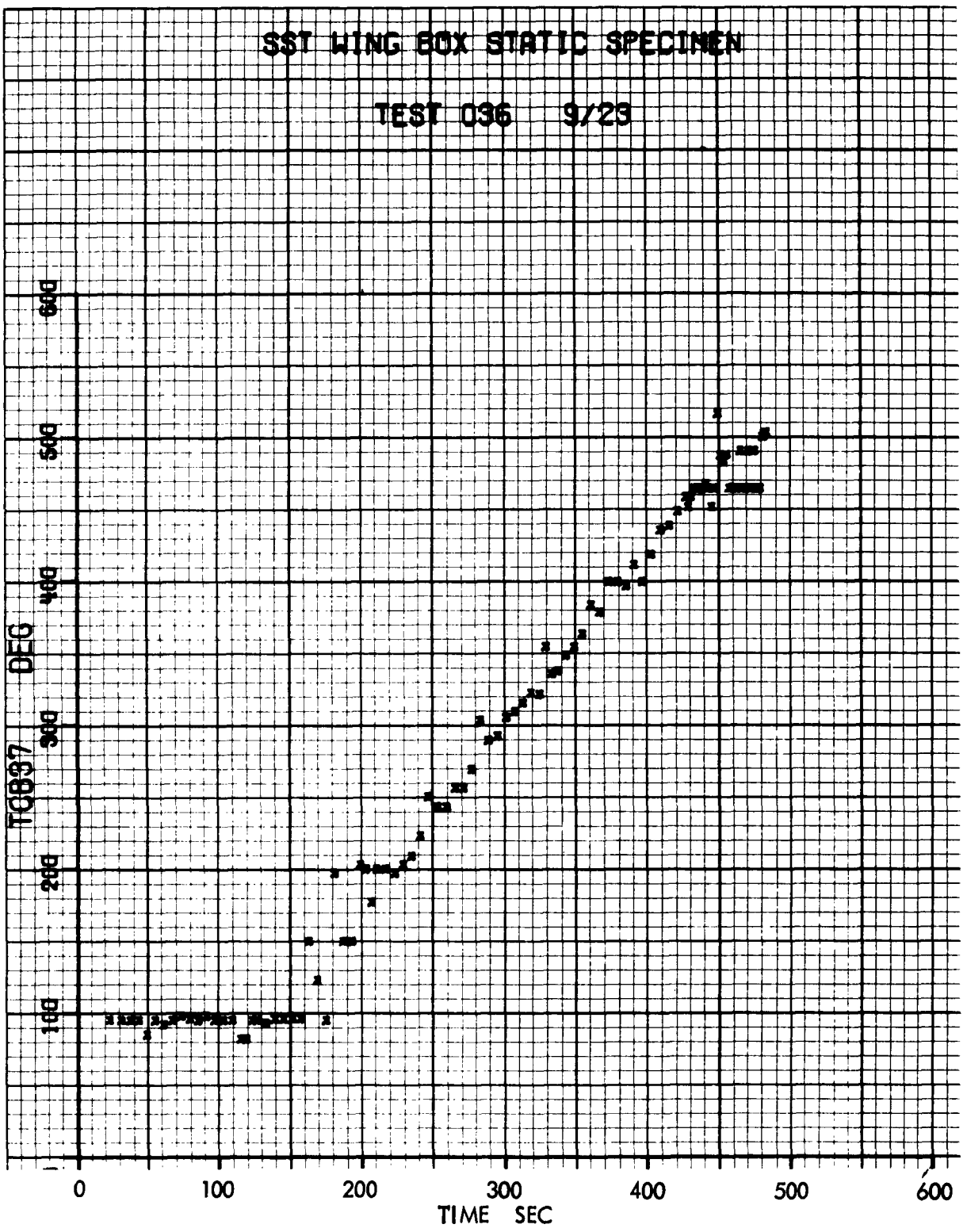
600
TIME SEC


SST WING BOX STATIC SPECIMEN
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TC837 DEG
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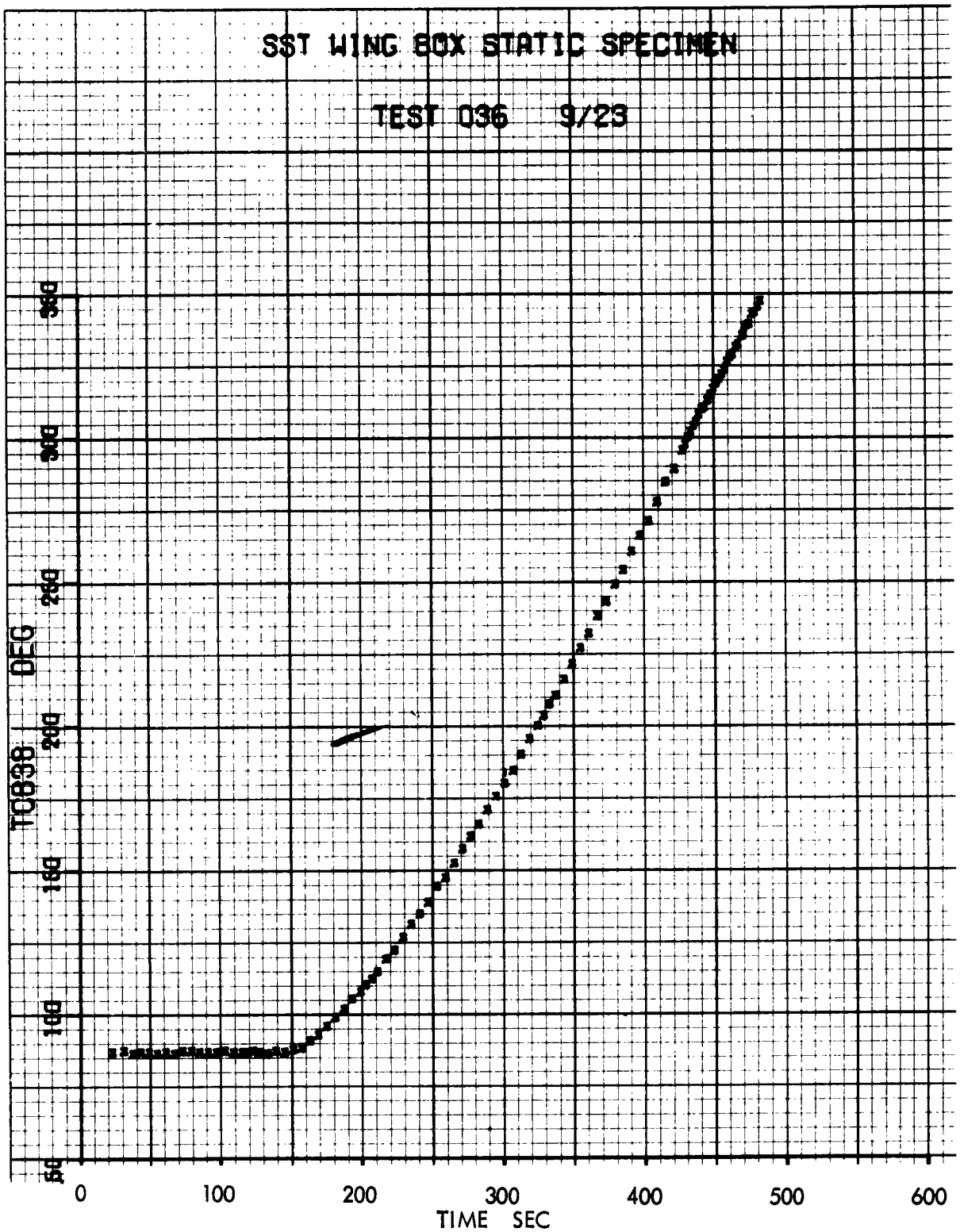
500
600
TIME SEC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TEST 036 9/23
TC838 DEG
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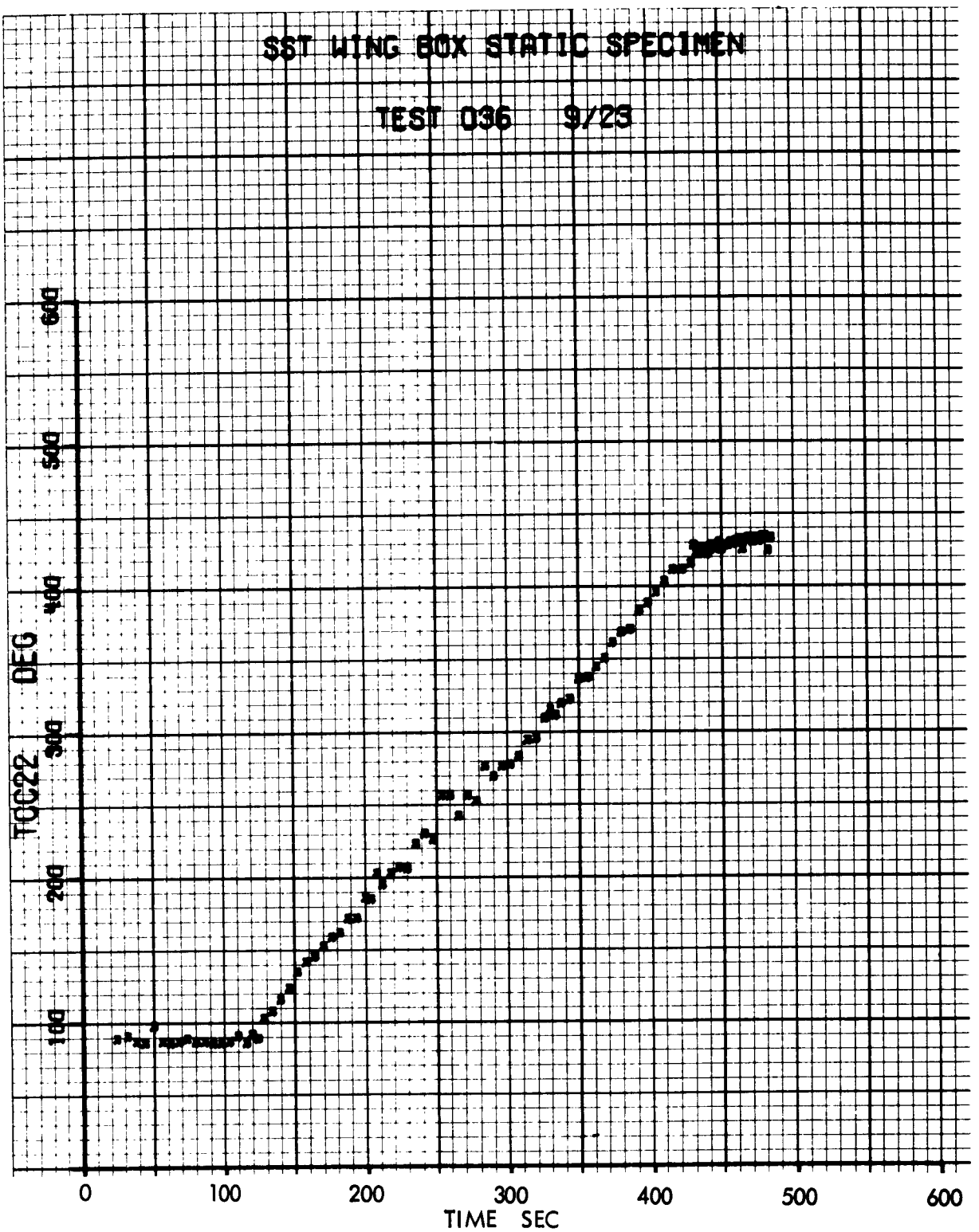
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TQC22 DEG
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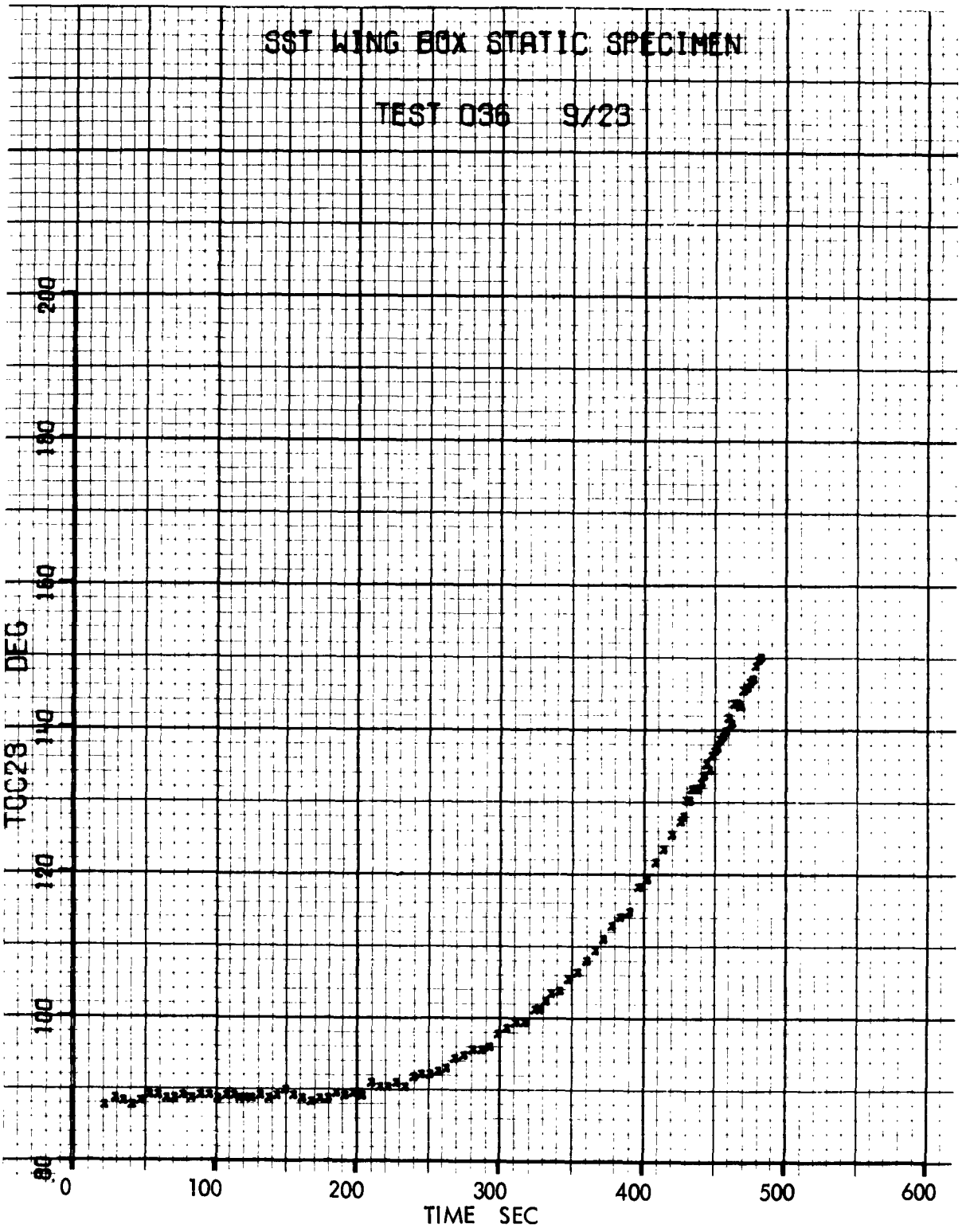
500
600
TIME SEC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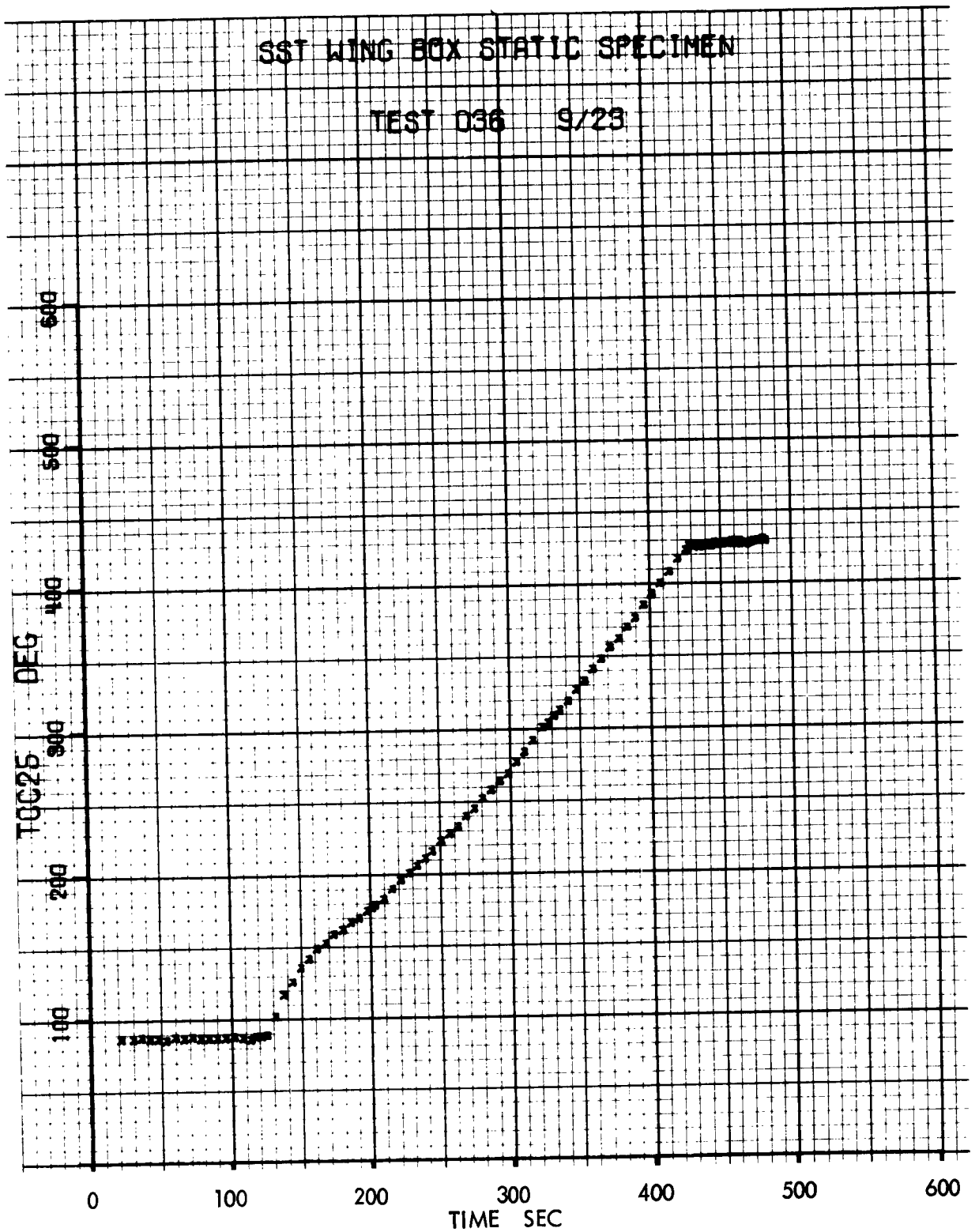
TIME SEC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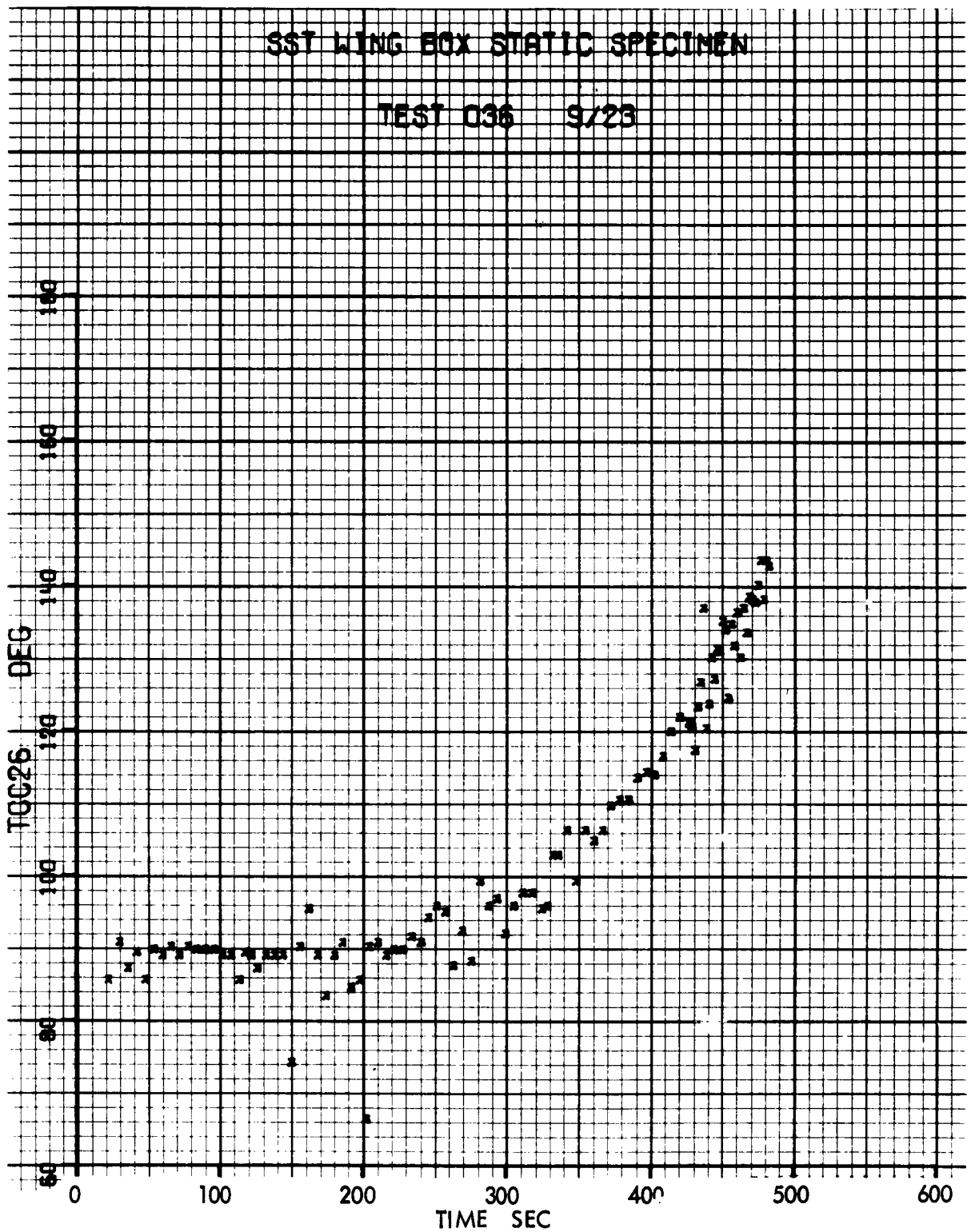
TIME SEC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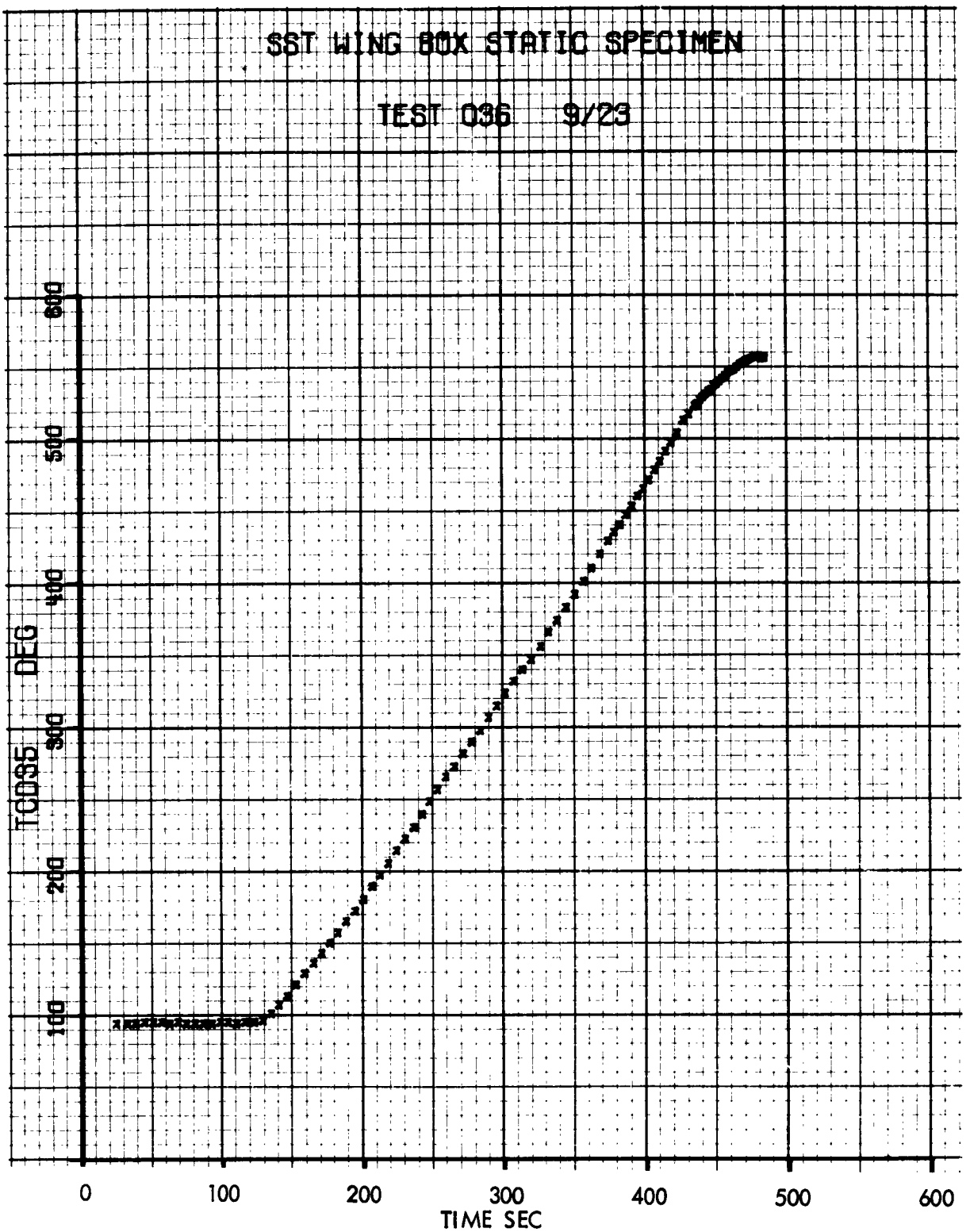
TIME SEC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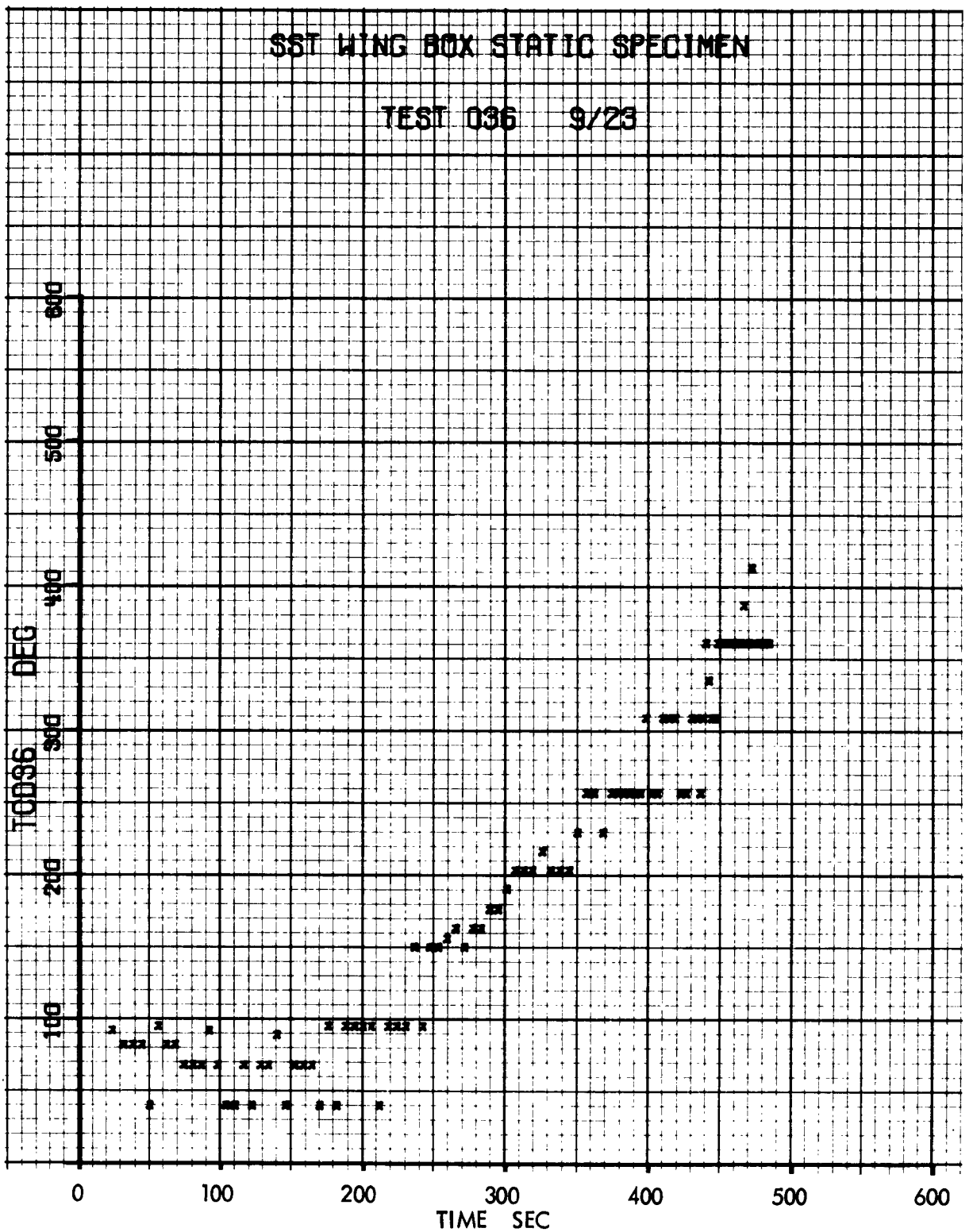
400
500
600
TIME SEC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500
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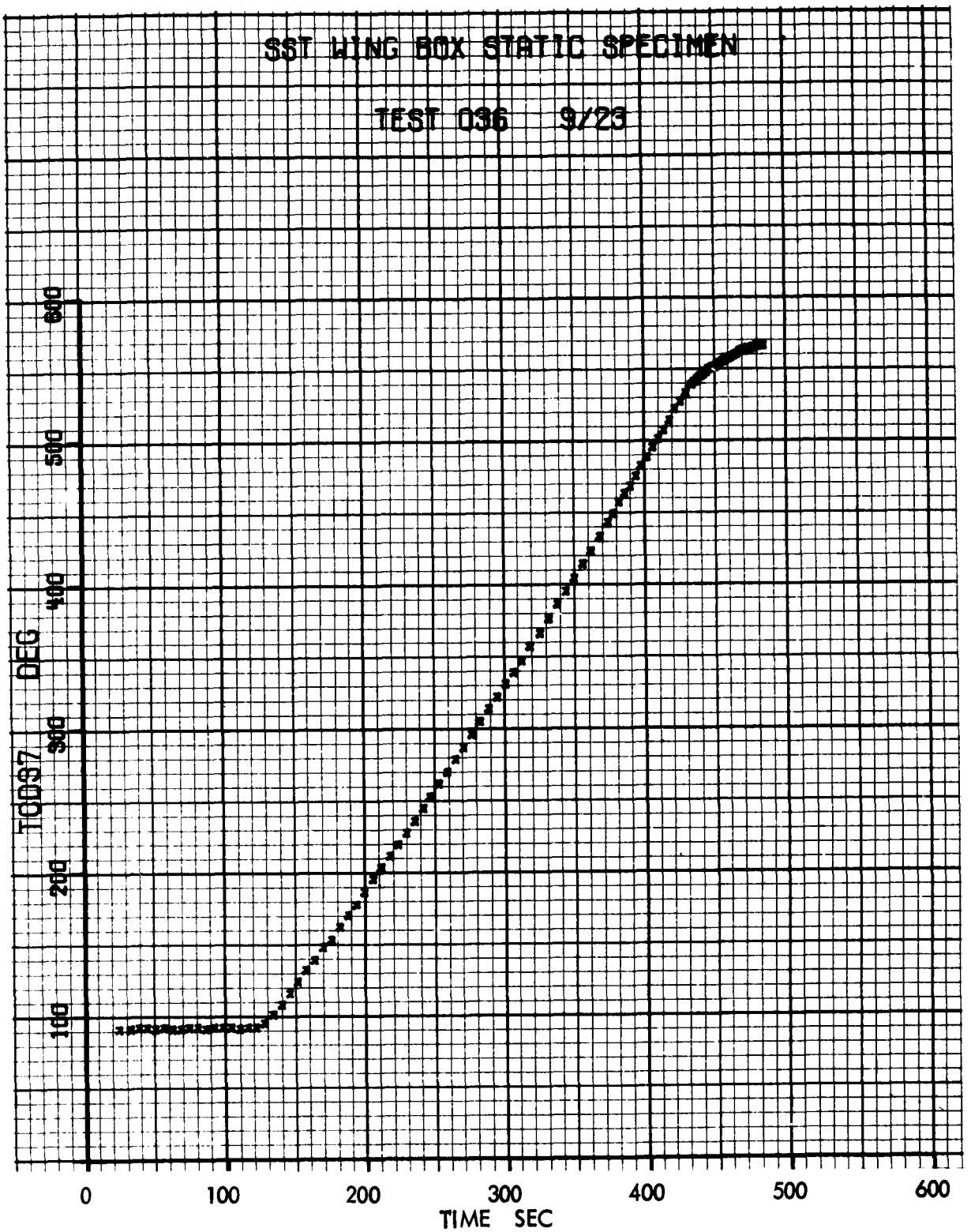
TIME SEC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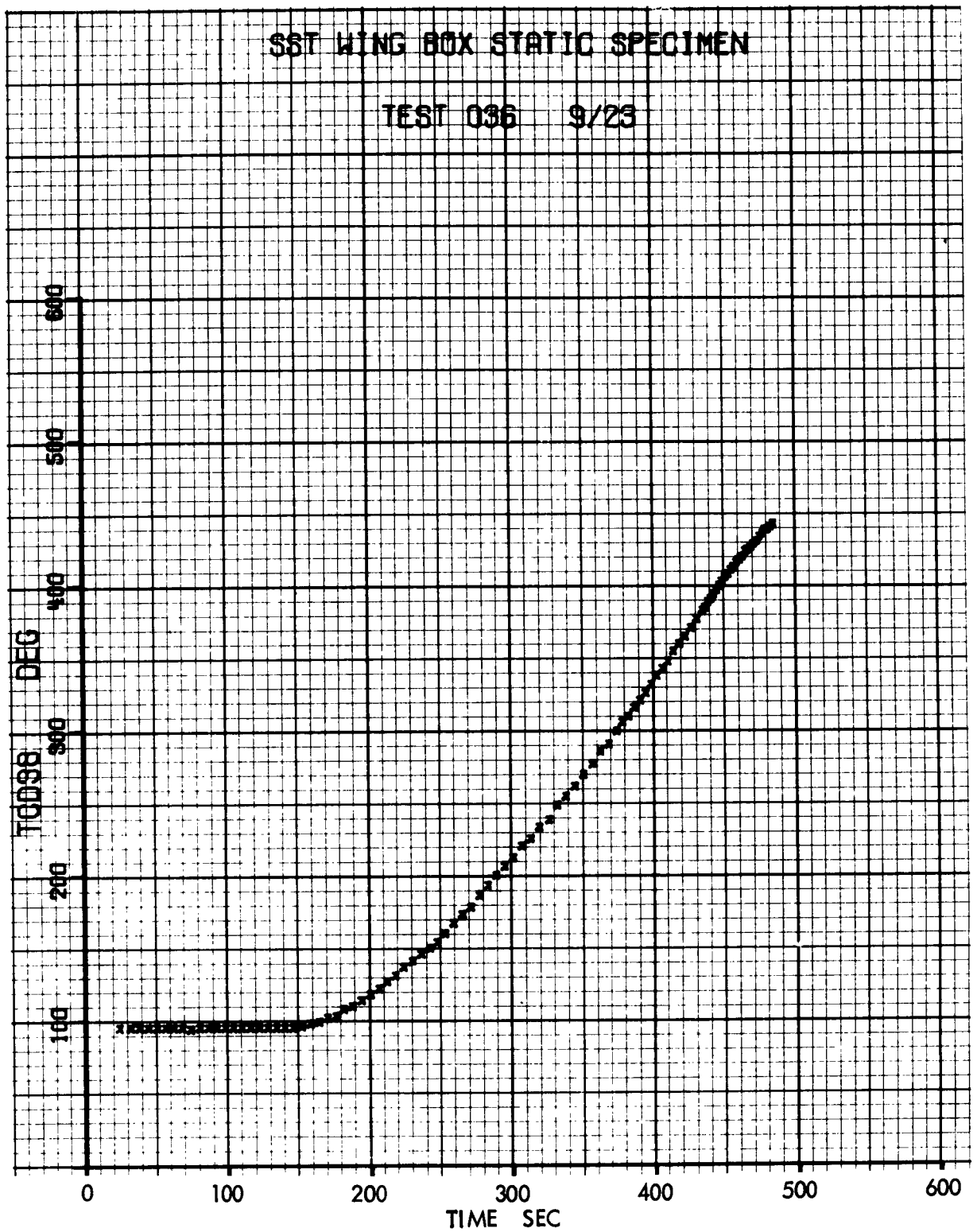
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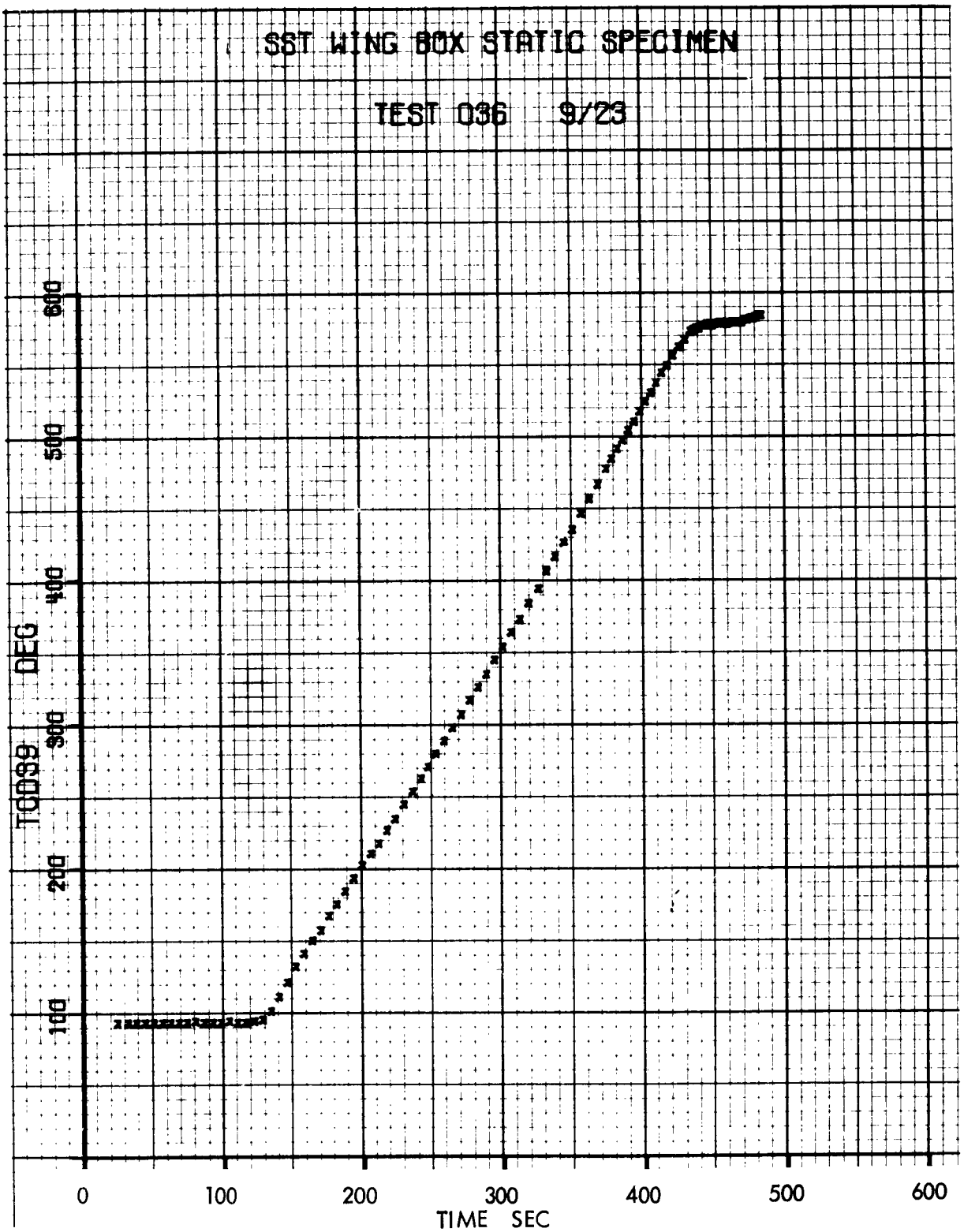
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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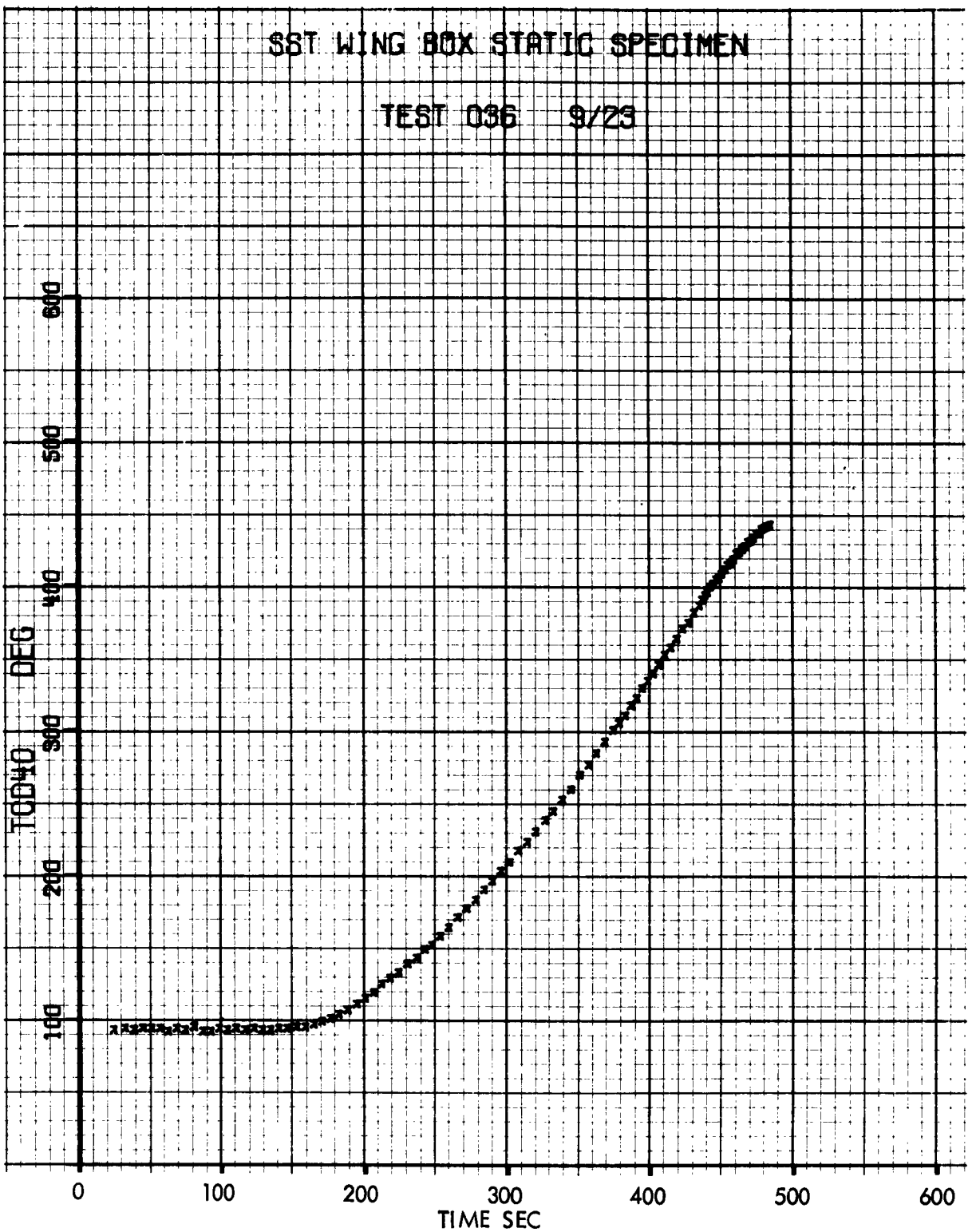
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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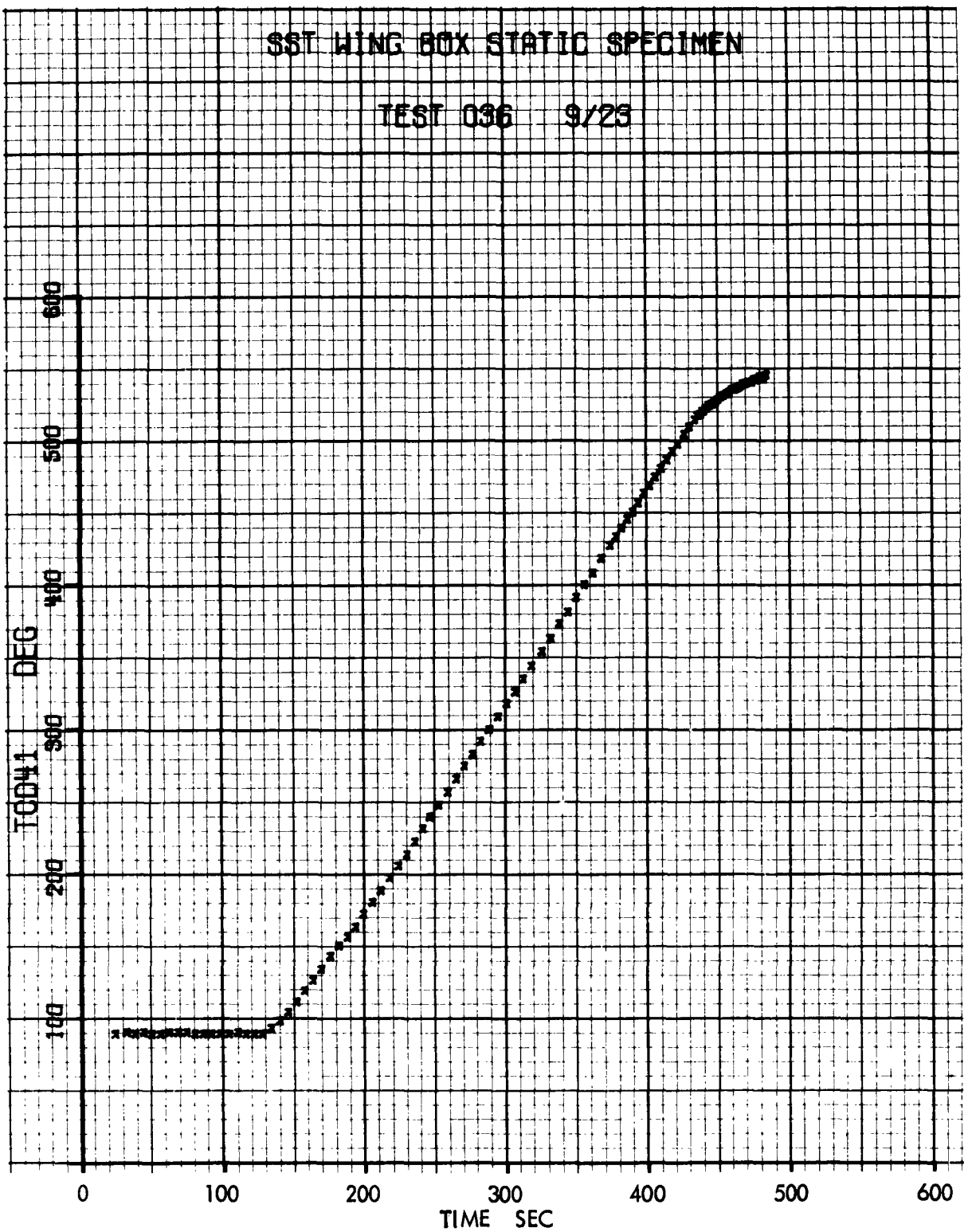
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
TQ041 DEG
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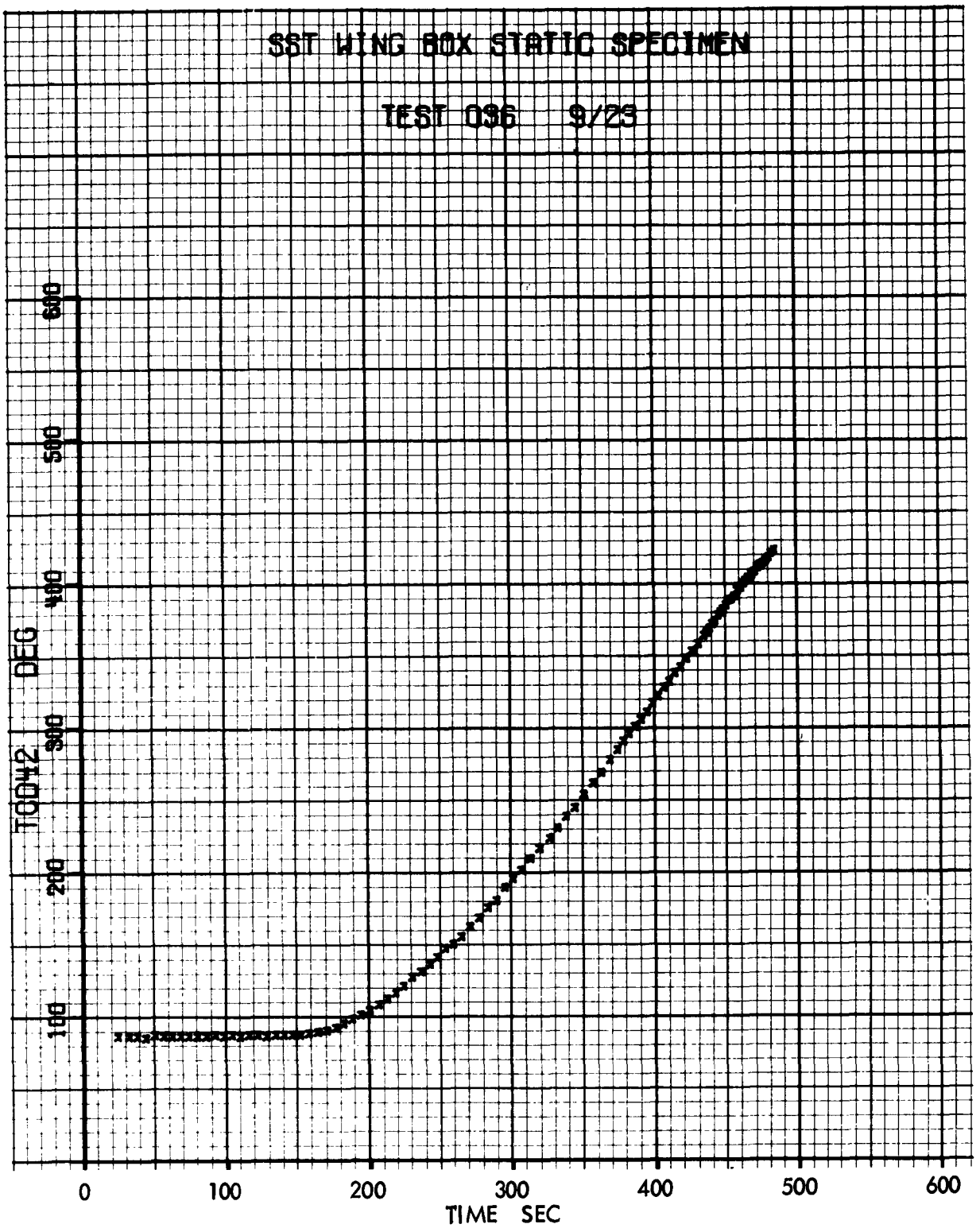
400
500
600
TIME SEC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TEST 036 9/23
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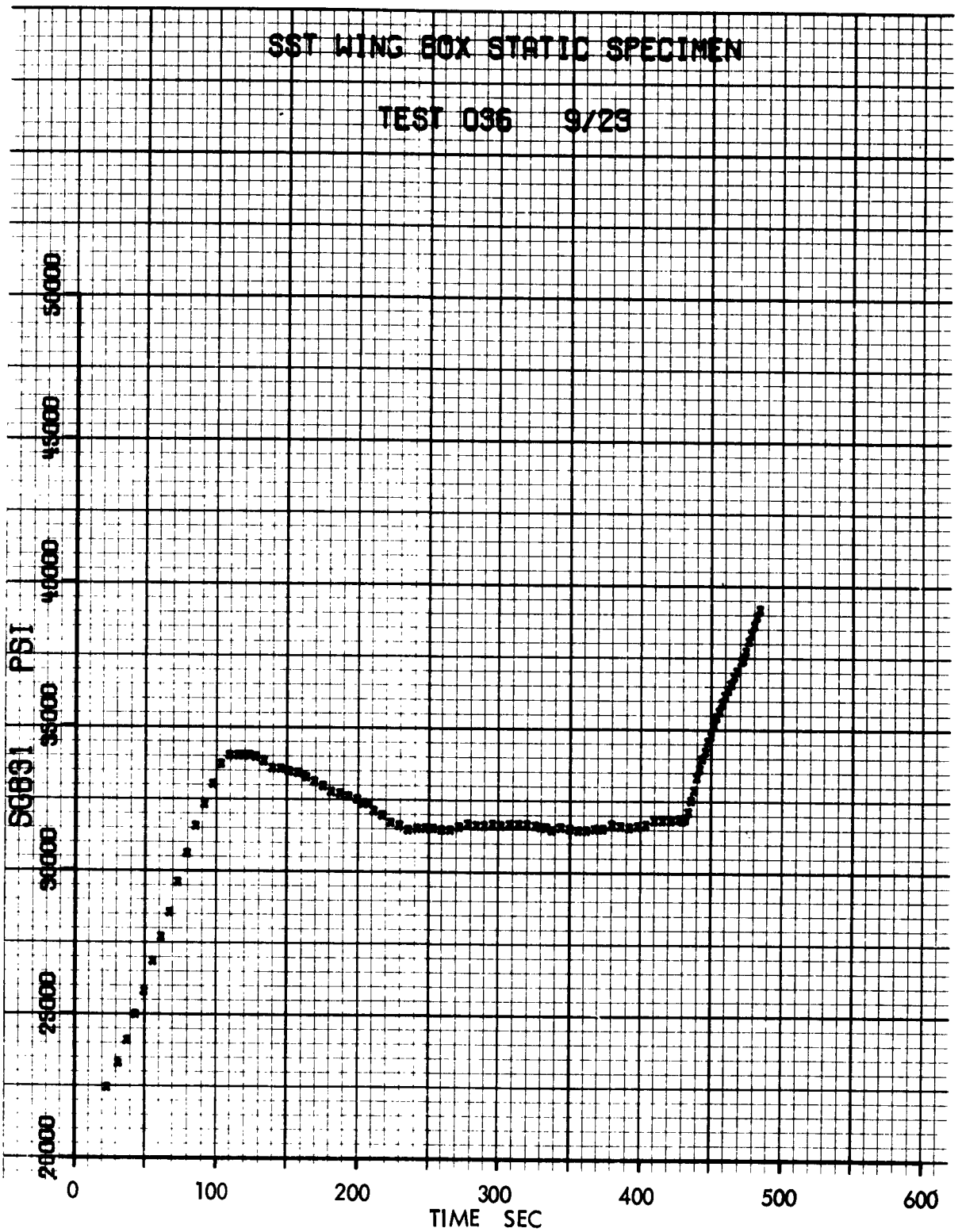
400
500
600
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
SG831 PSI
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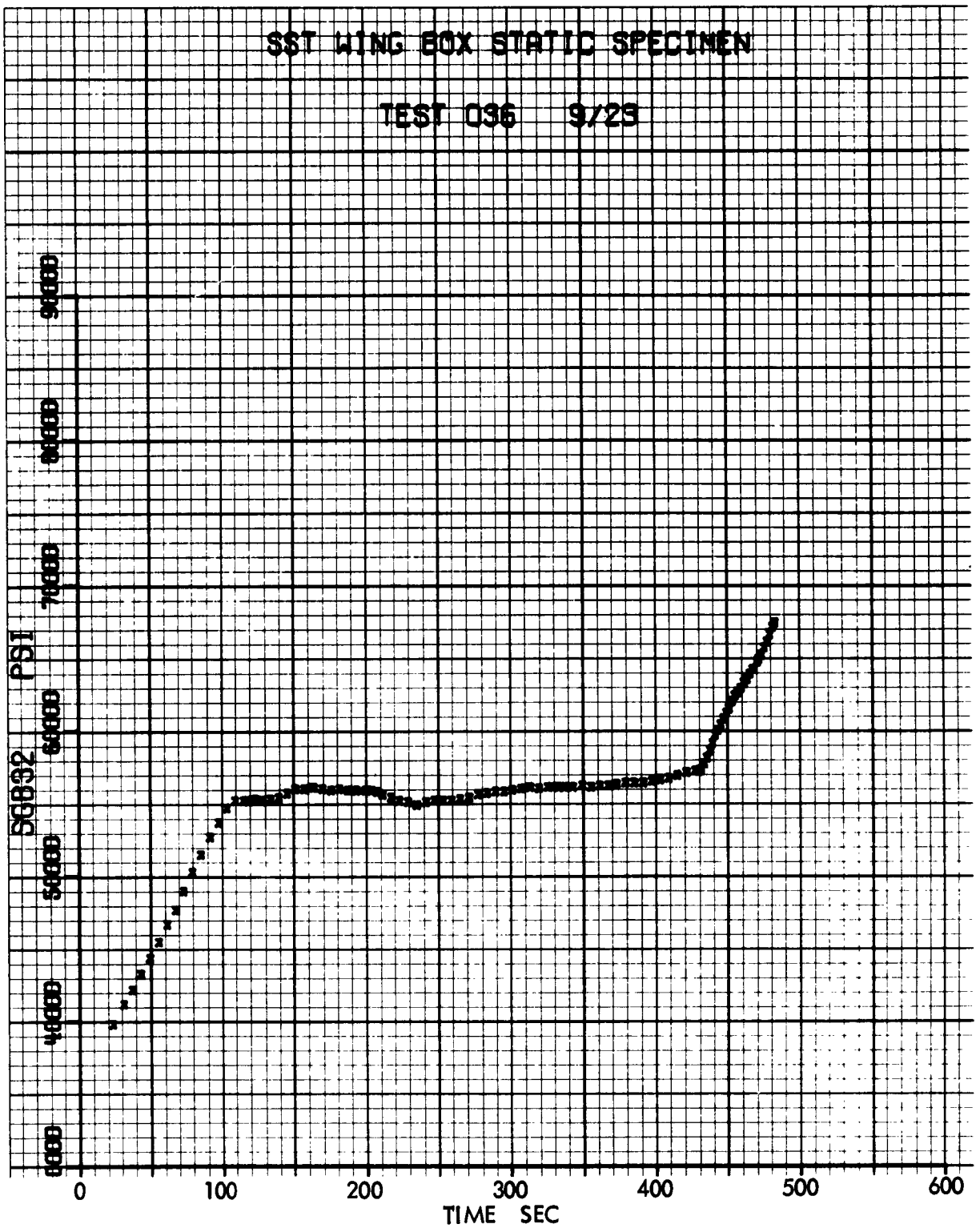
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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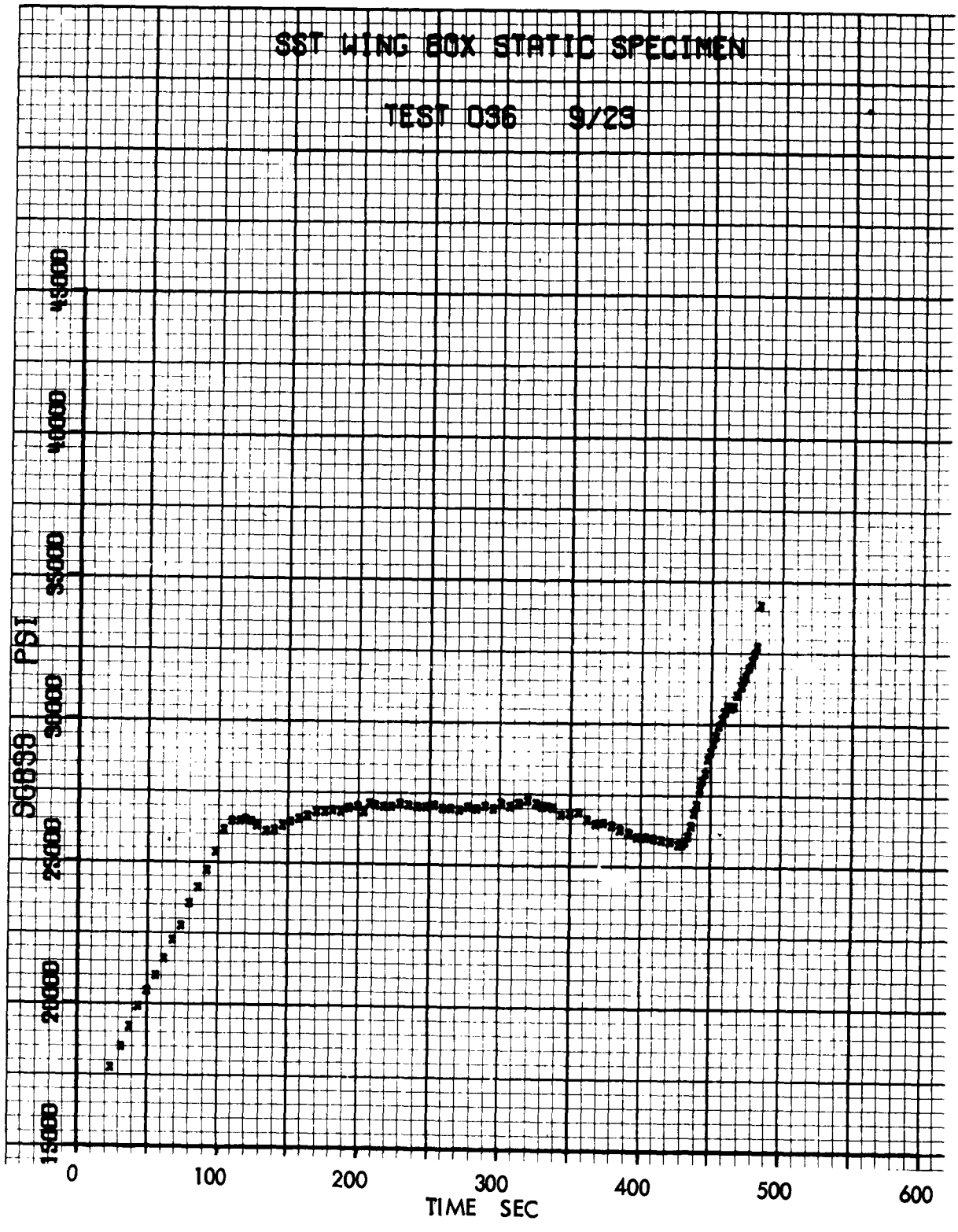
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/29
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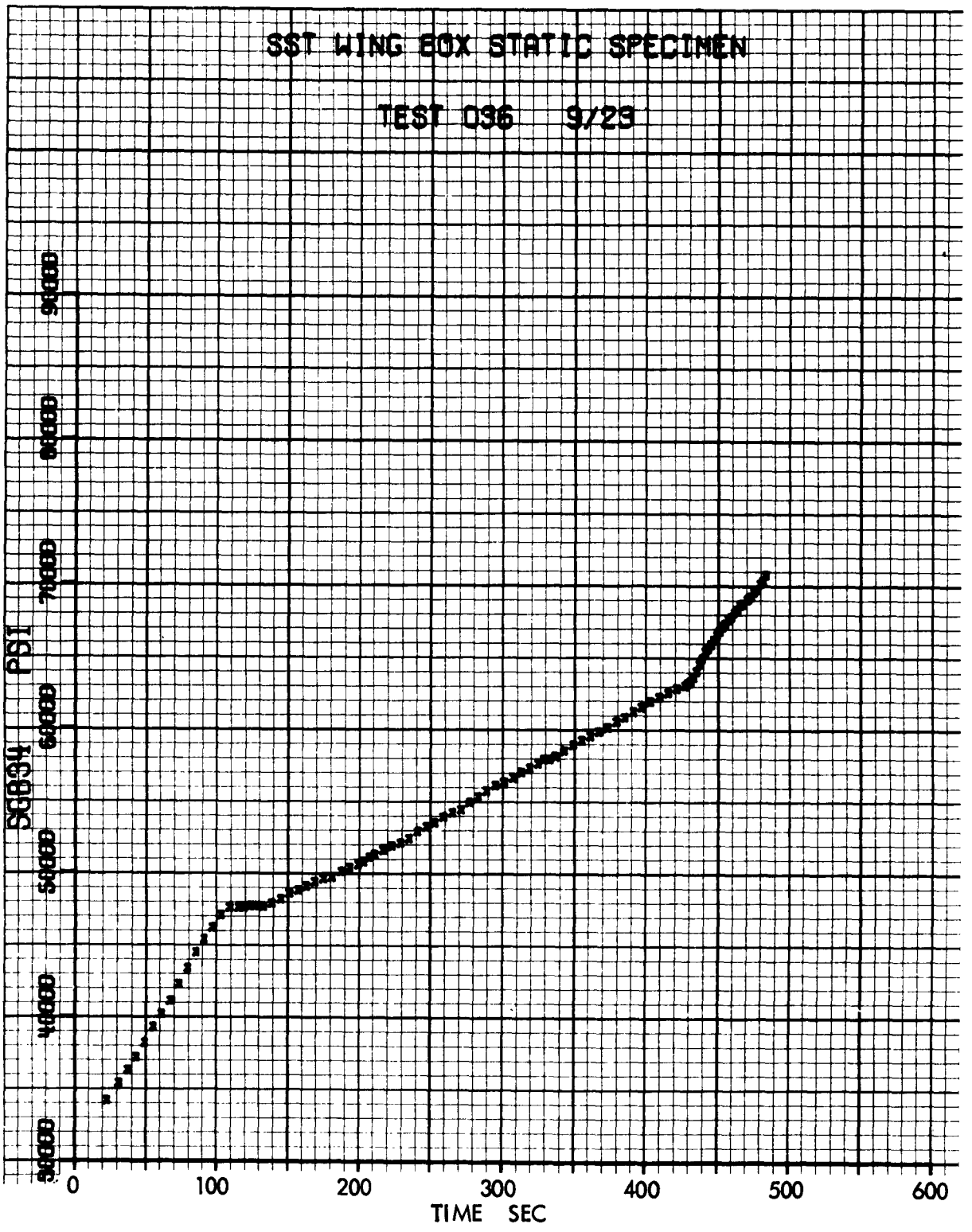
TIME SEC


SST WING BOX STATIC SPECIMEN
TEST 036 9/23
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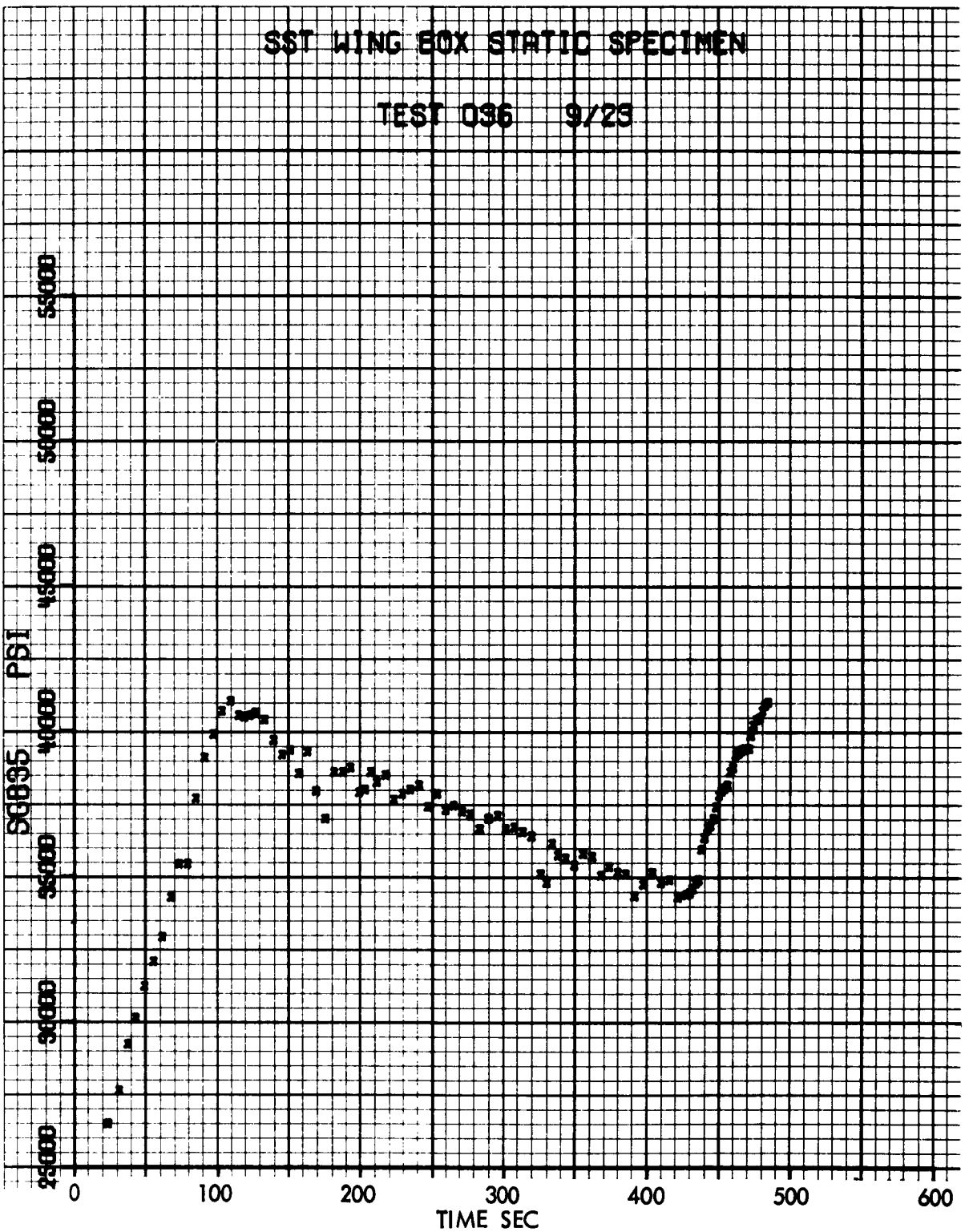
TIME SEC


SST WING BOX STATIC SPECIMEN
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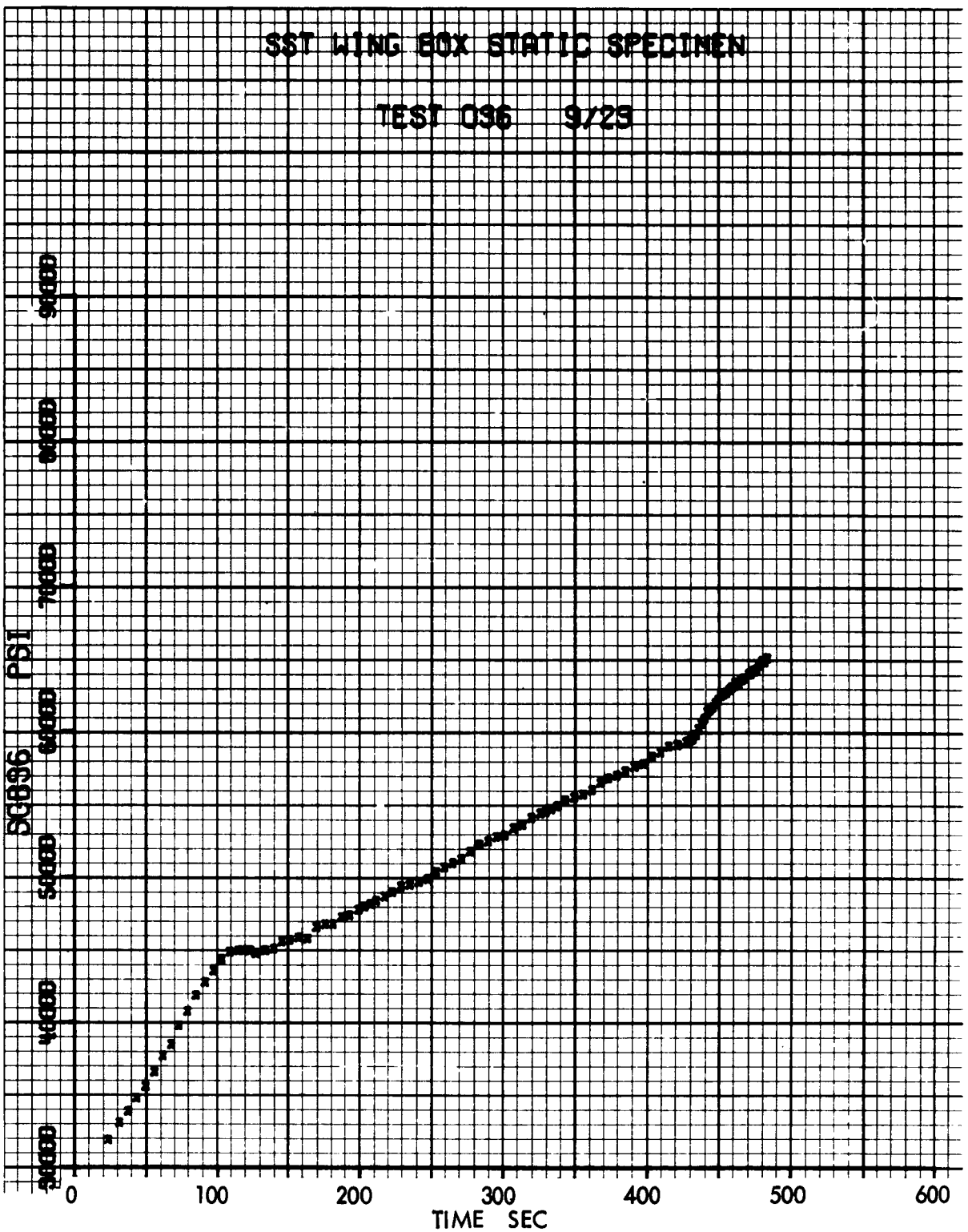
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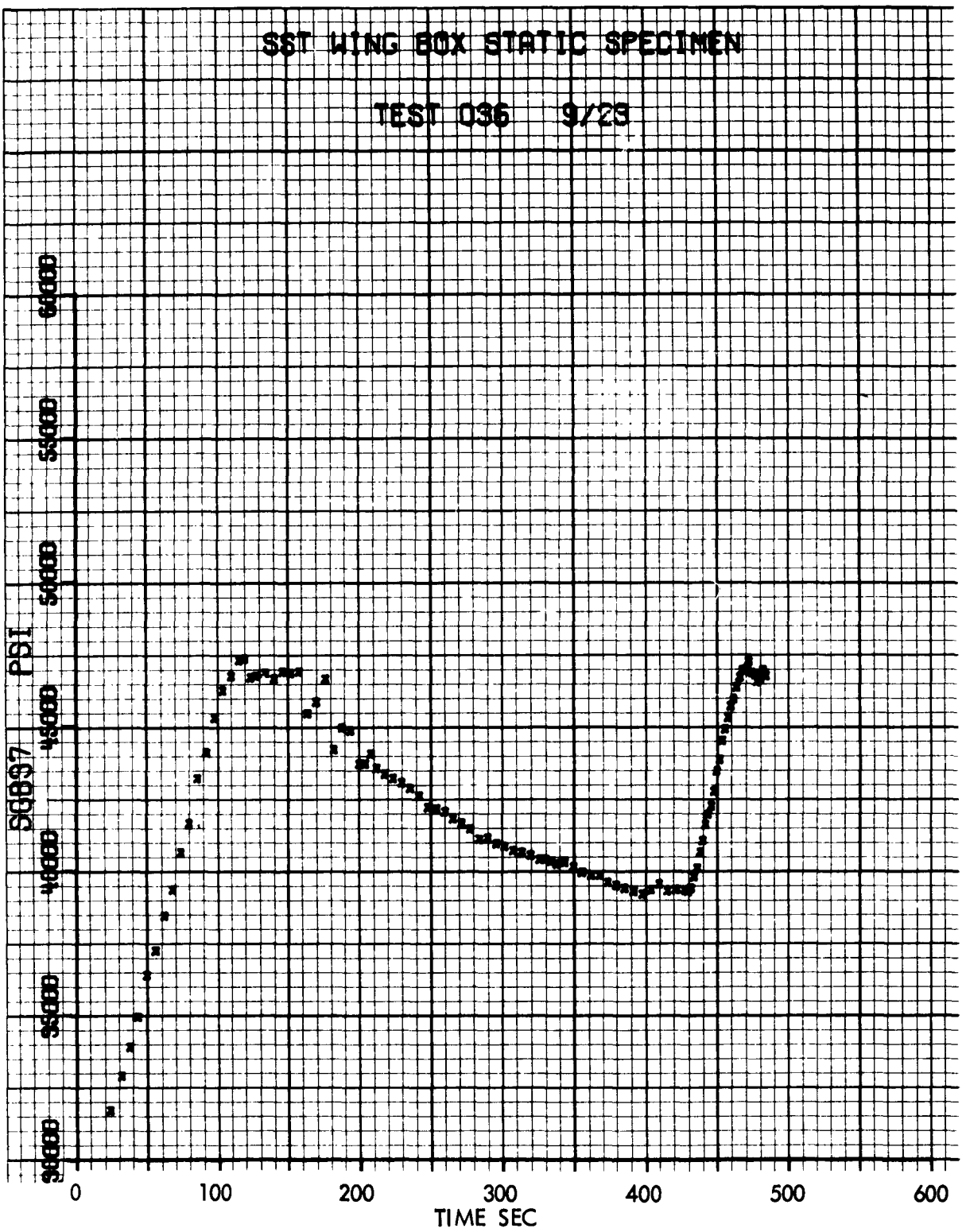
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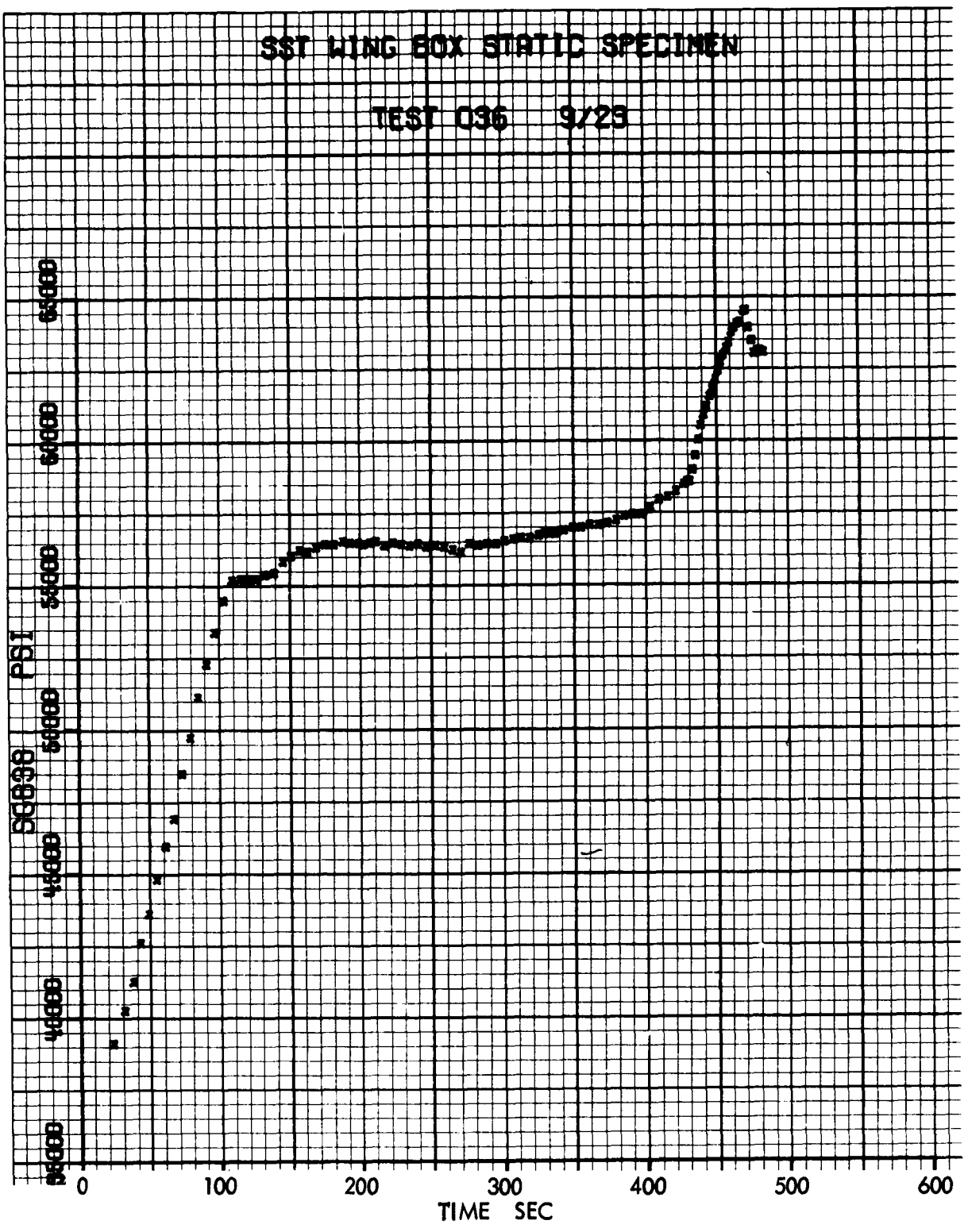
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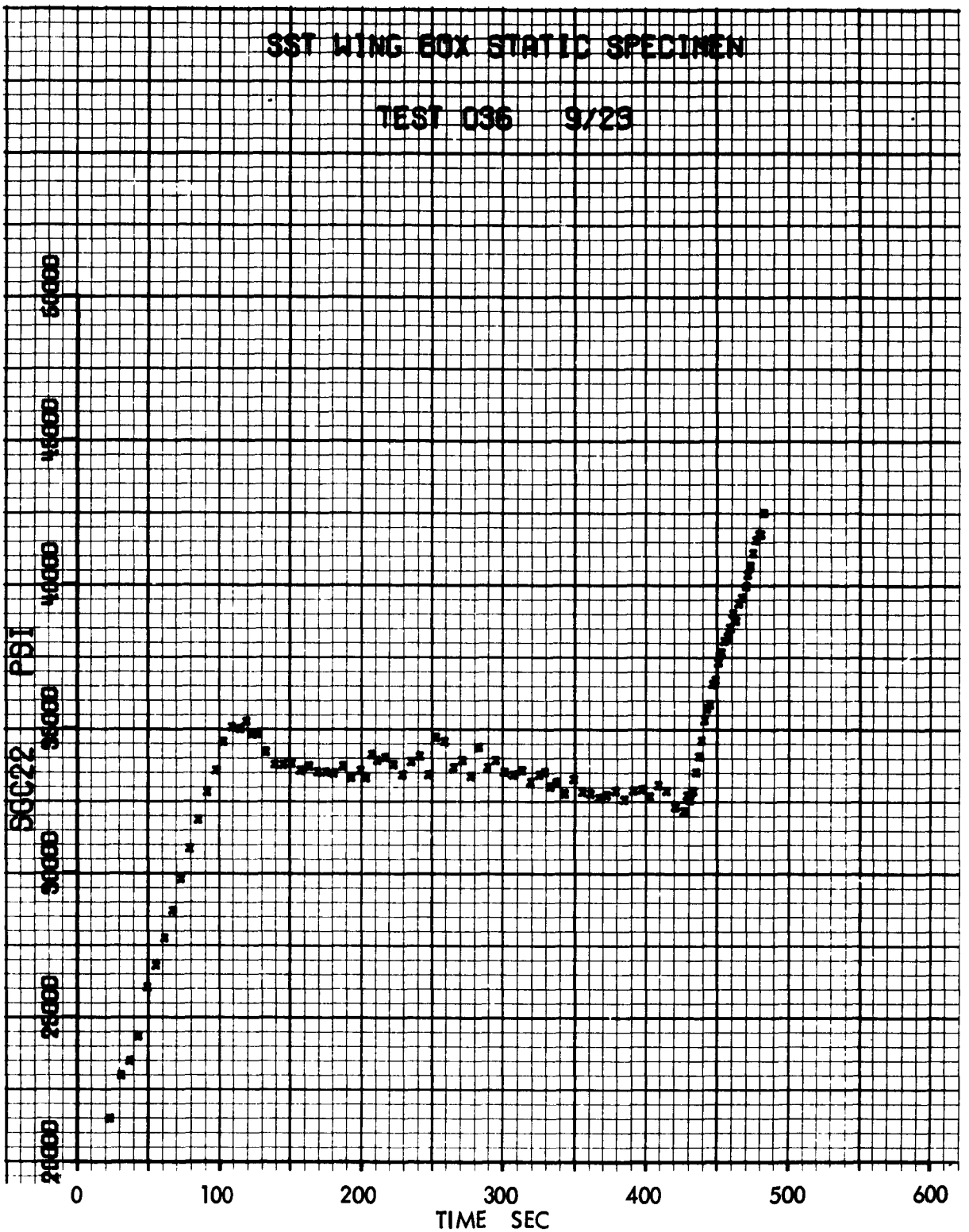
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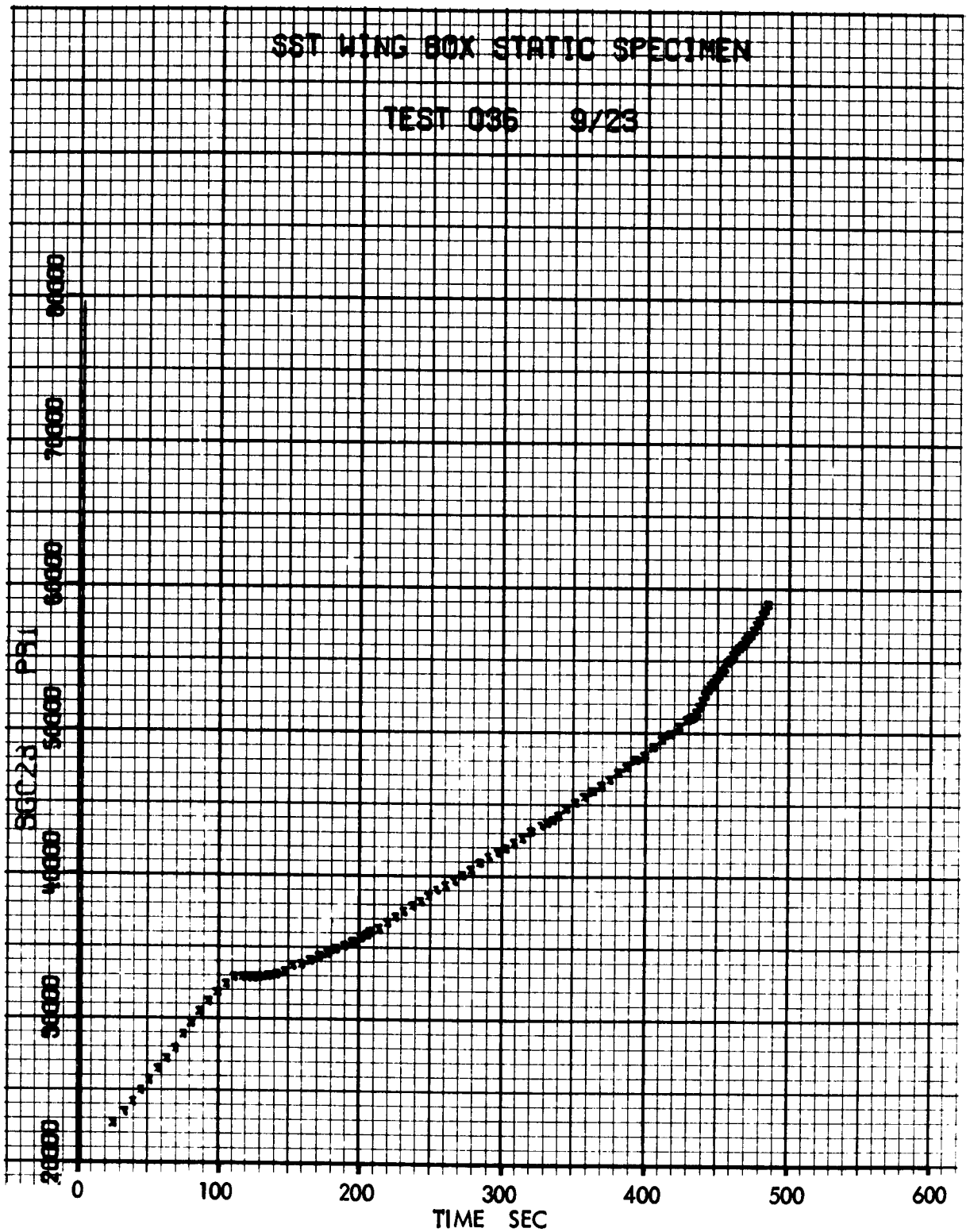
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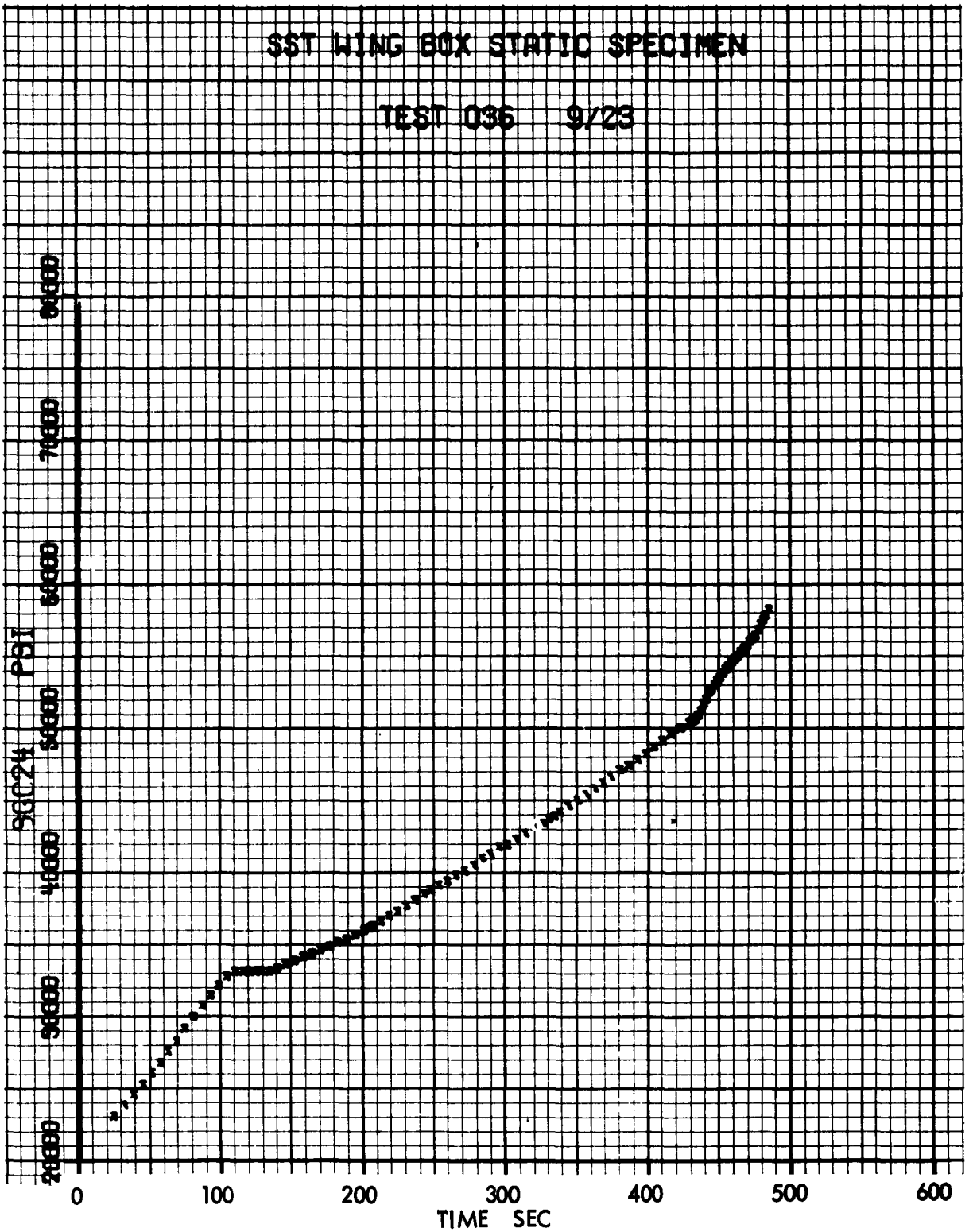
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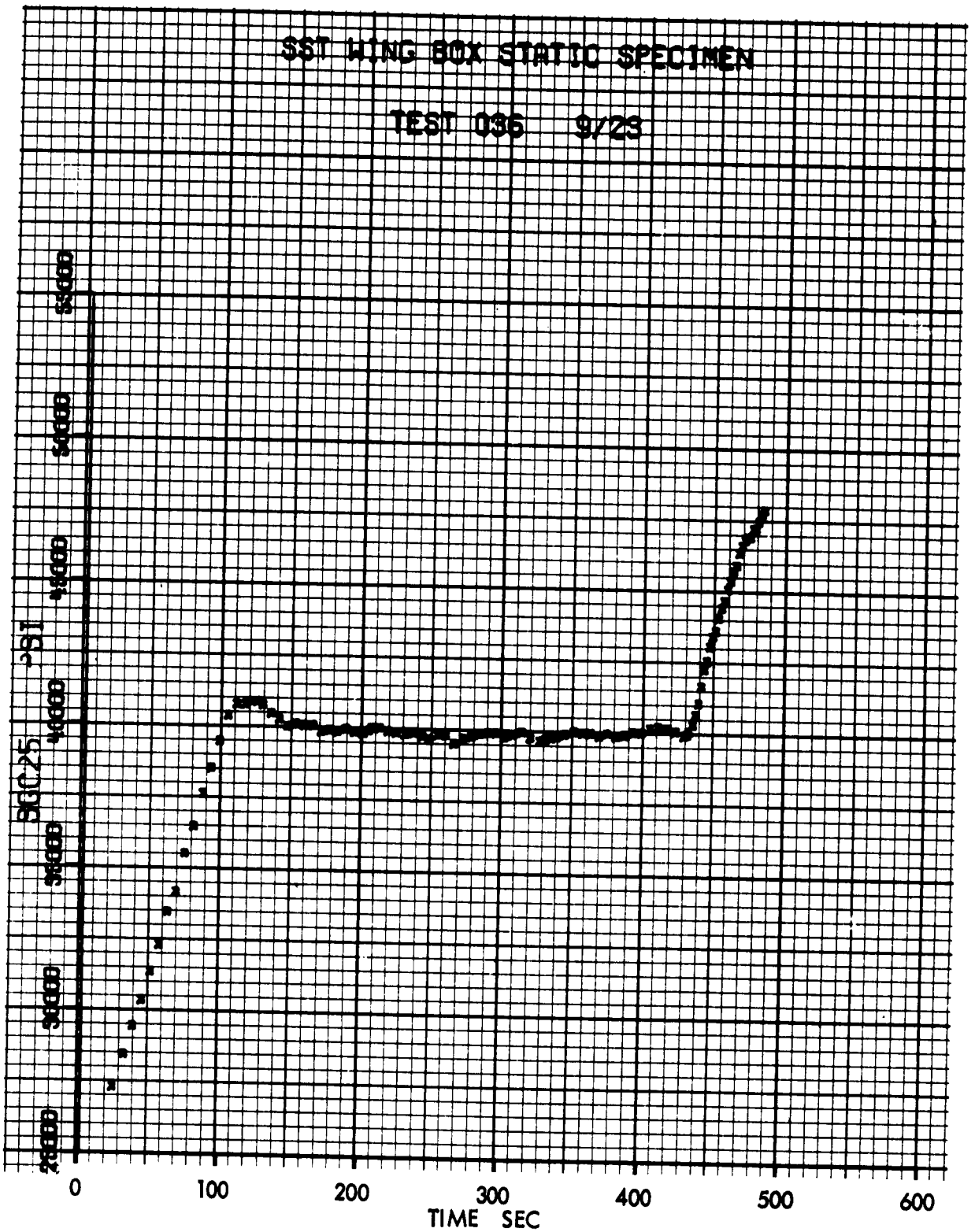
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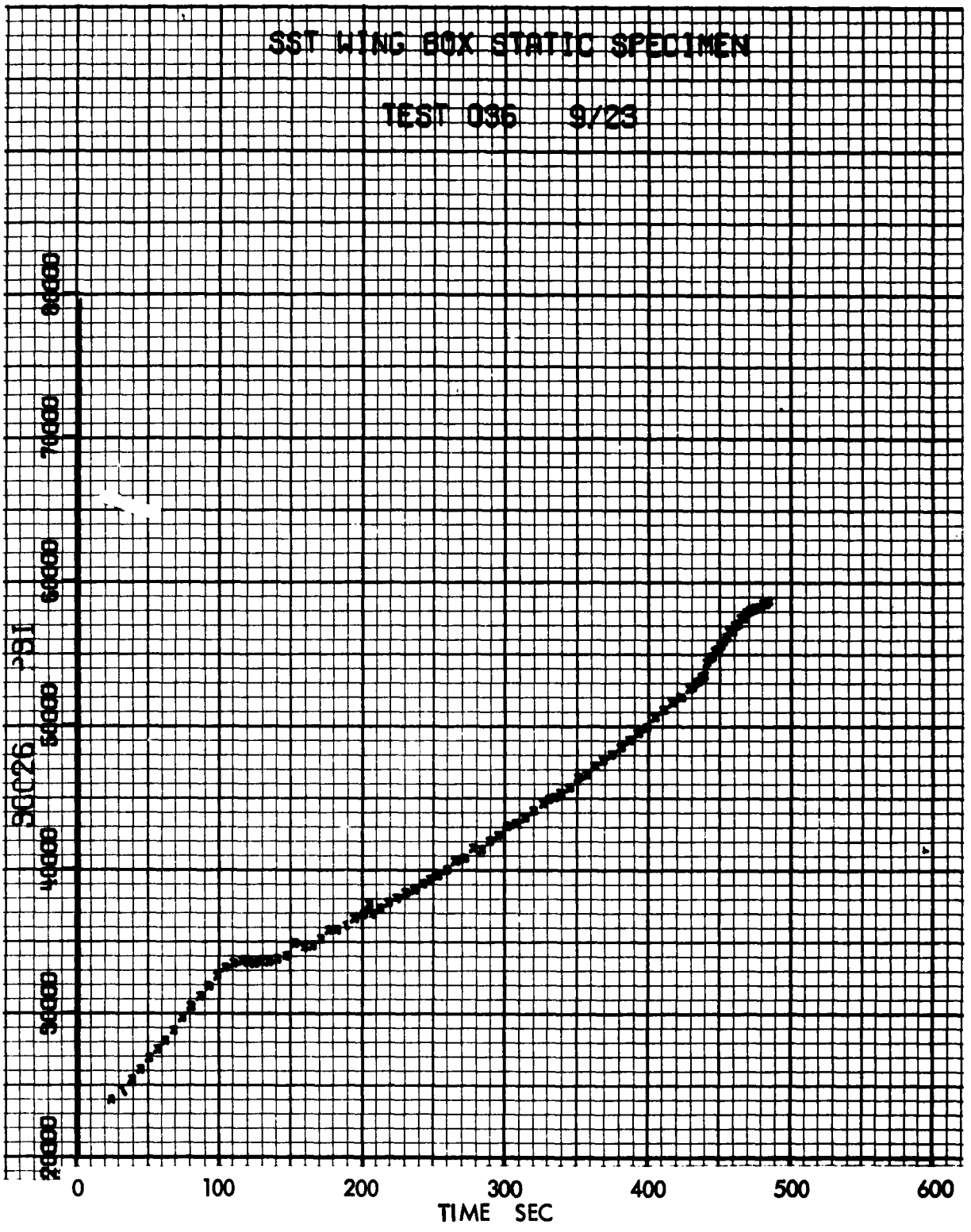
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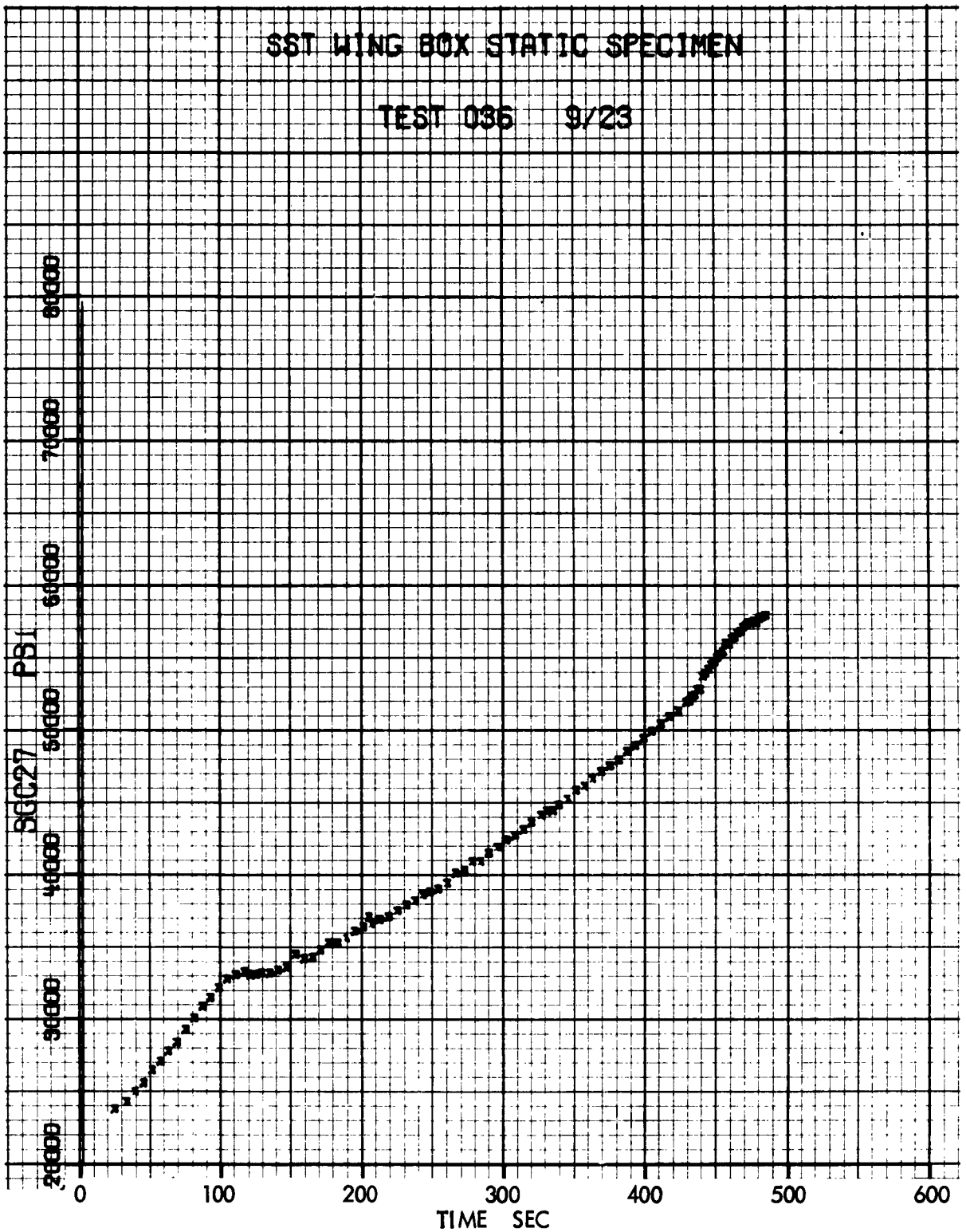
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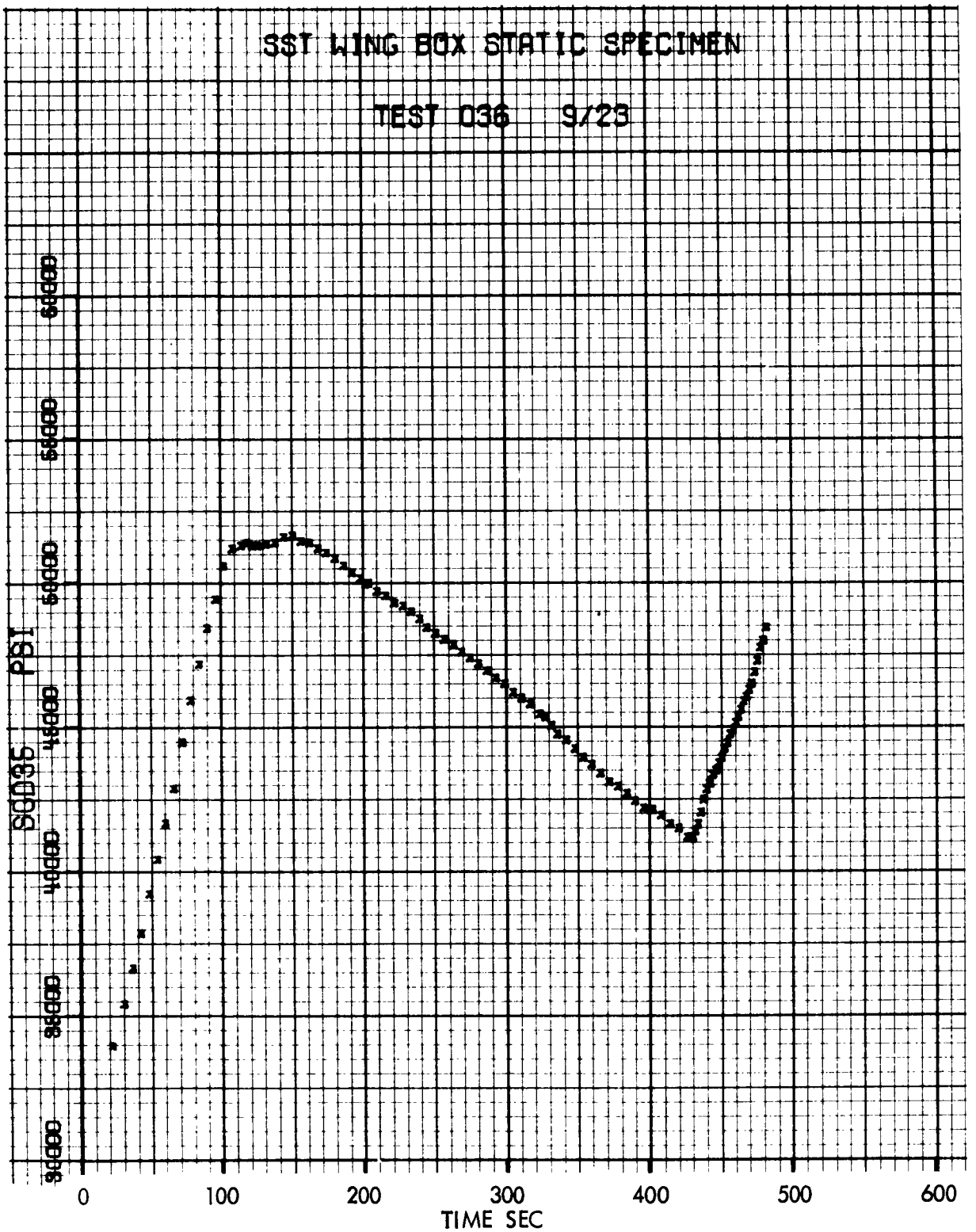
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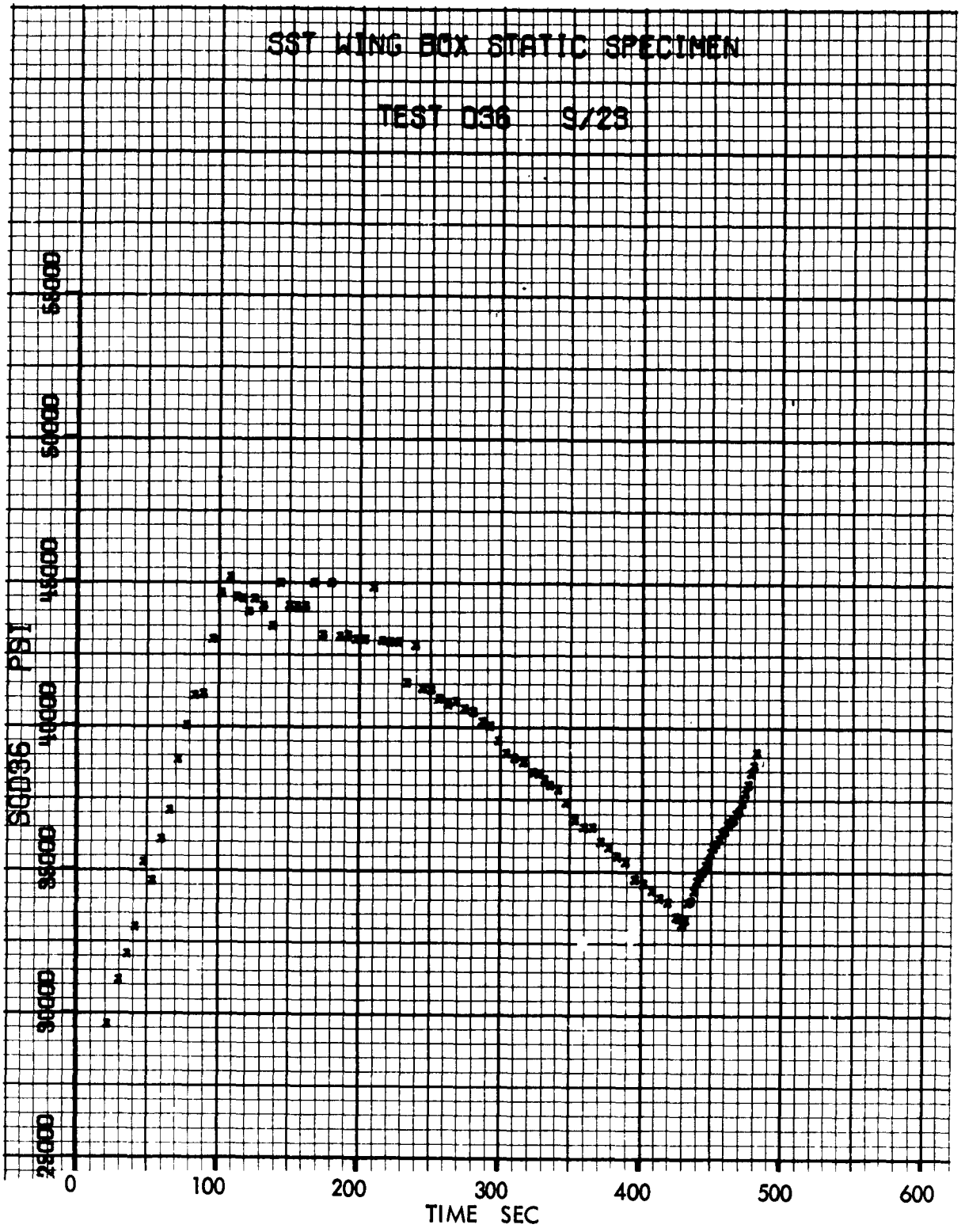
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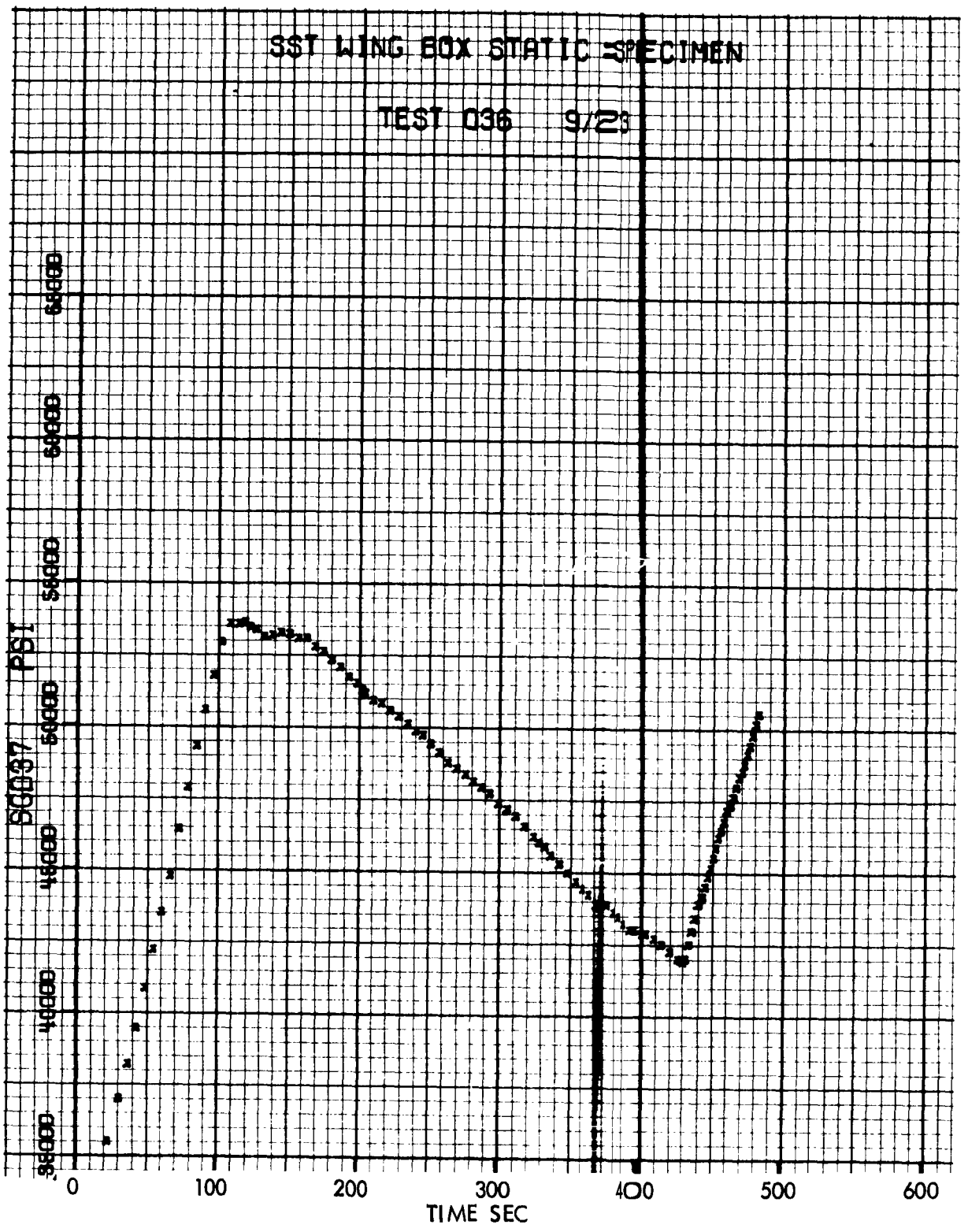
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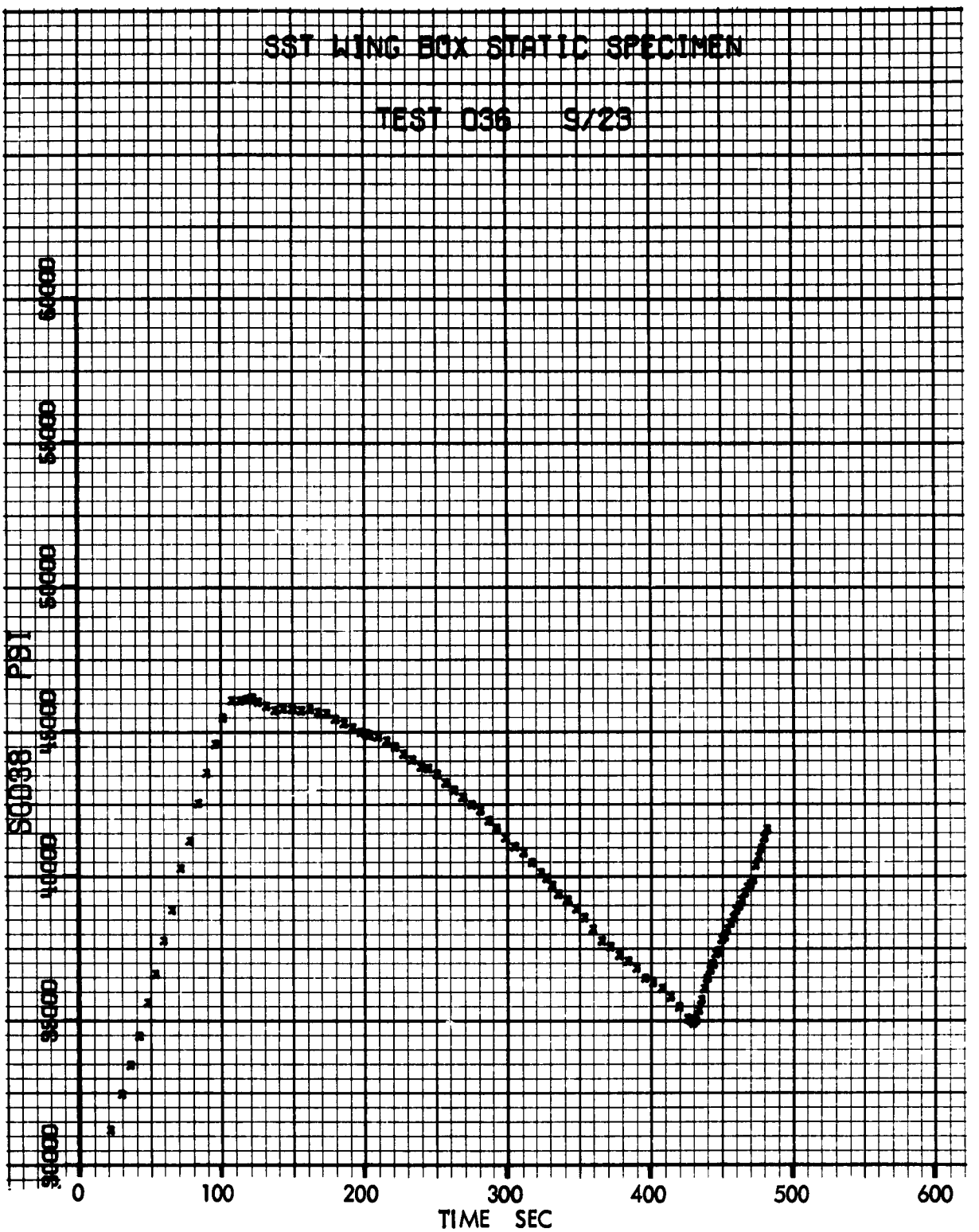
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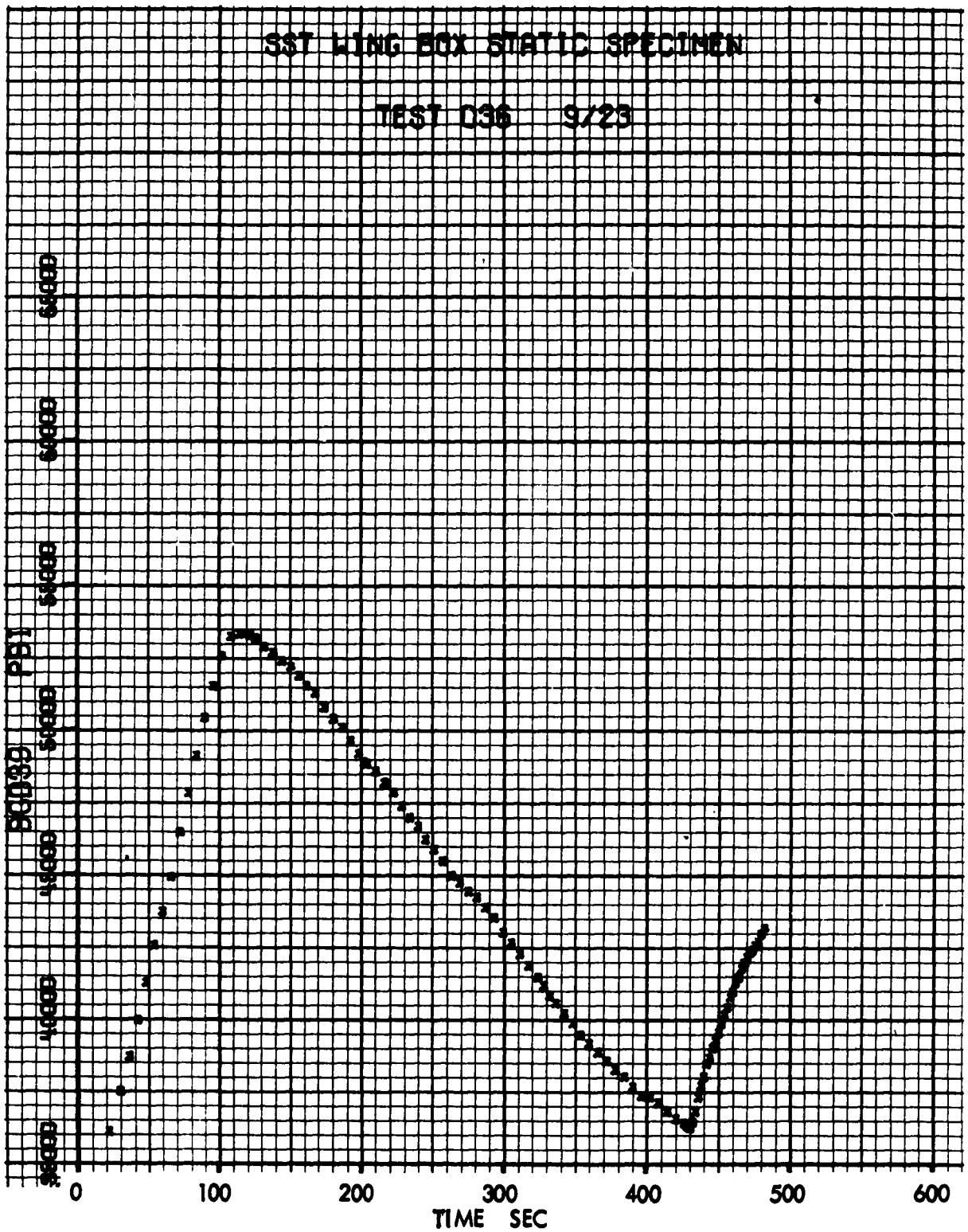
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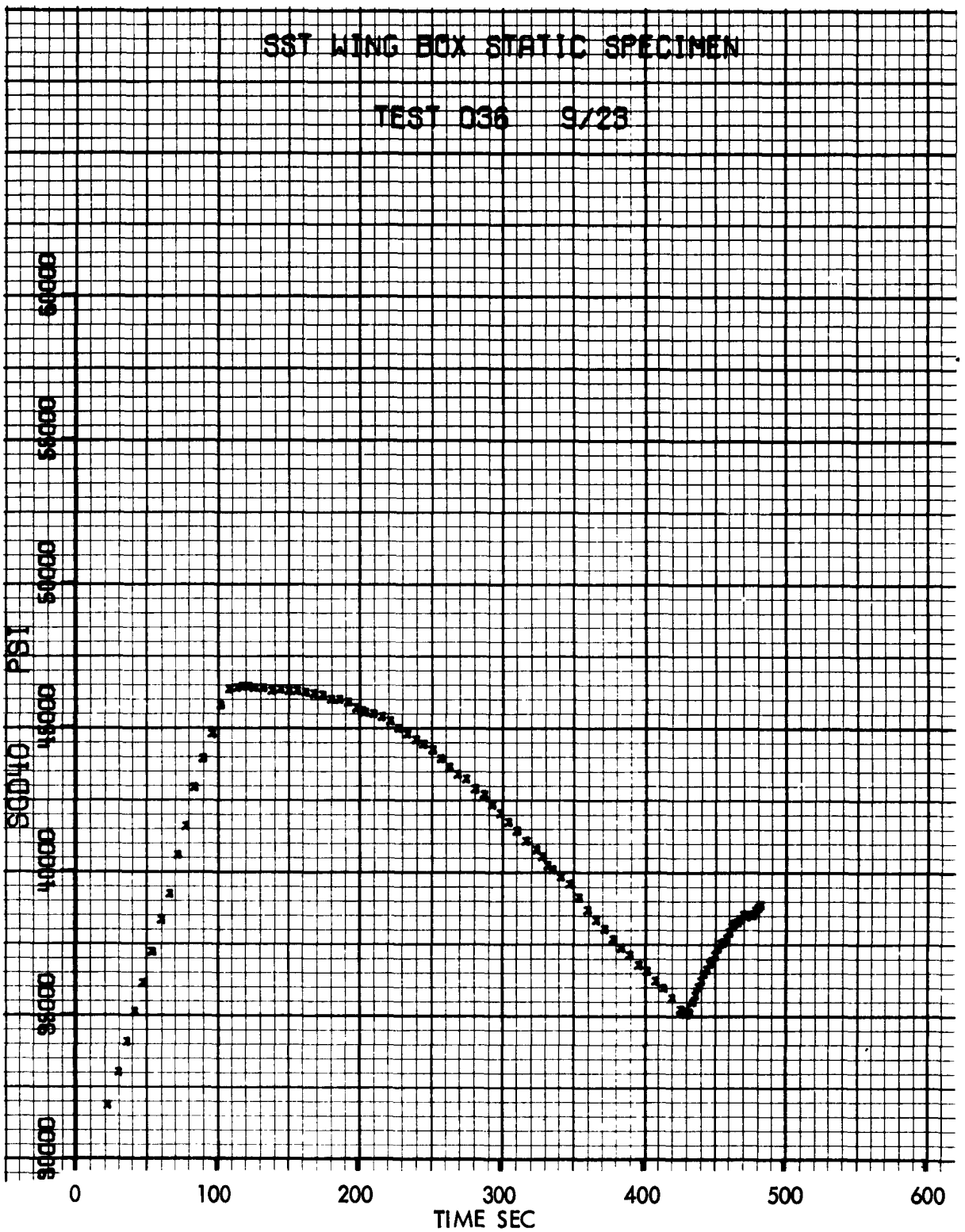
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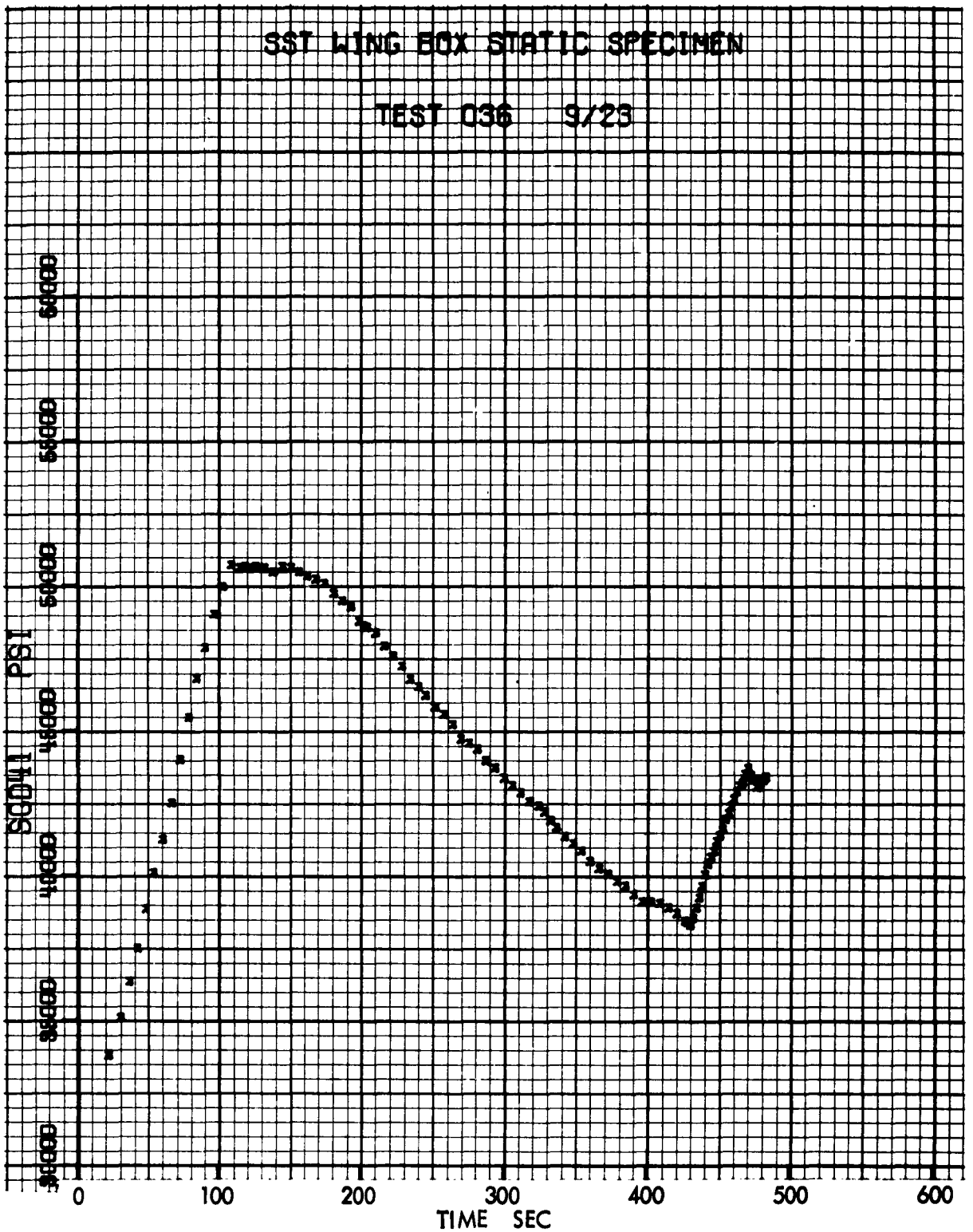
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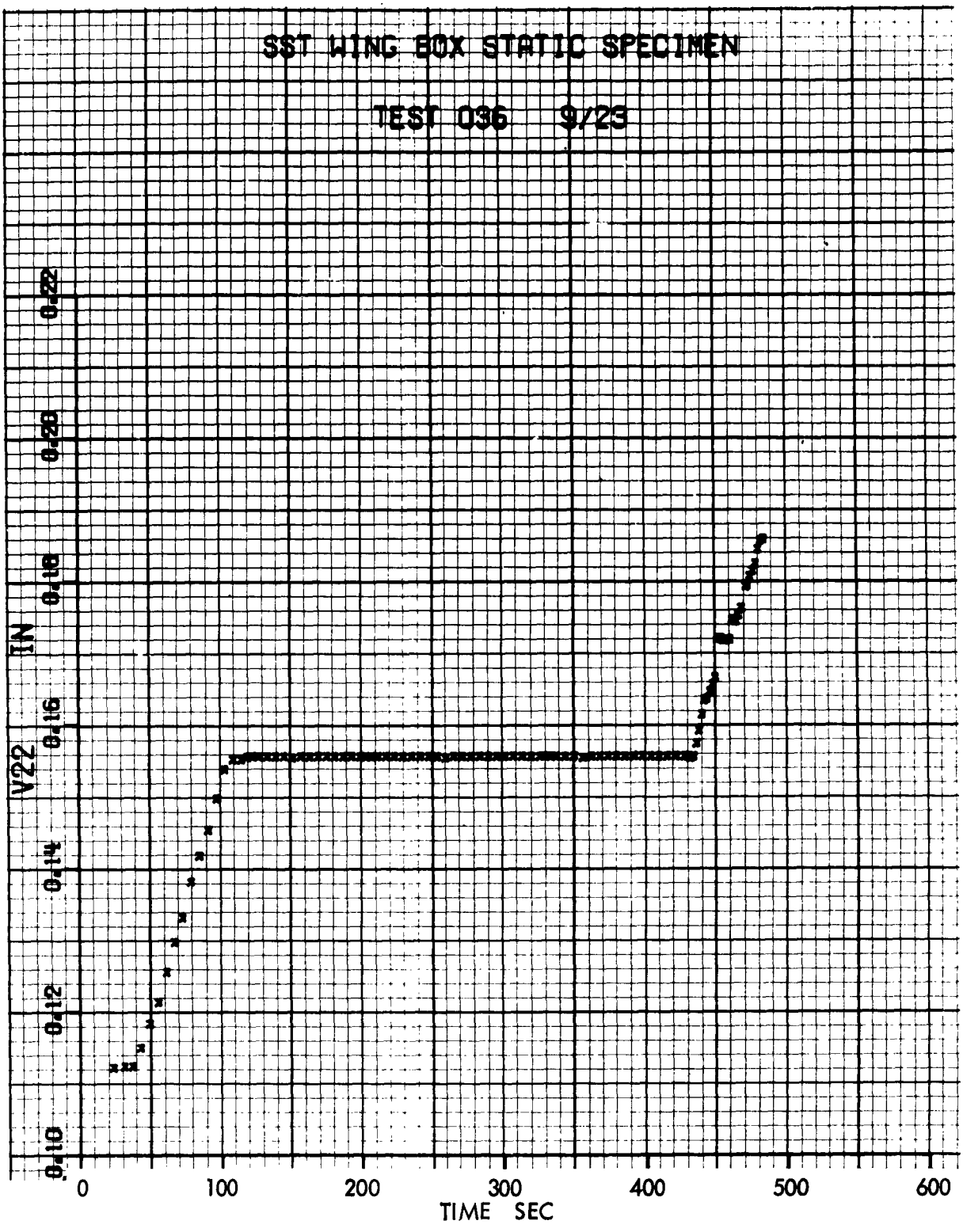
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0.10
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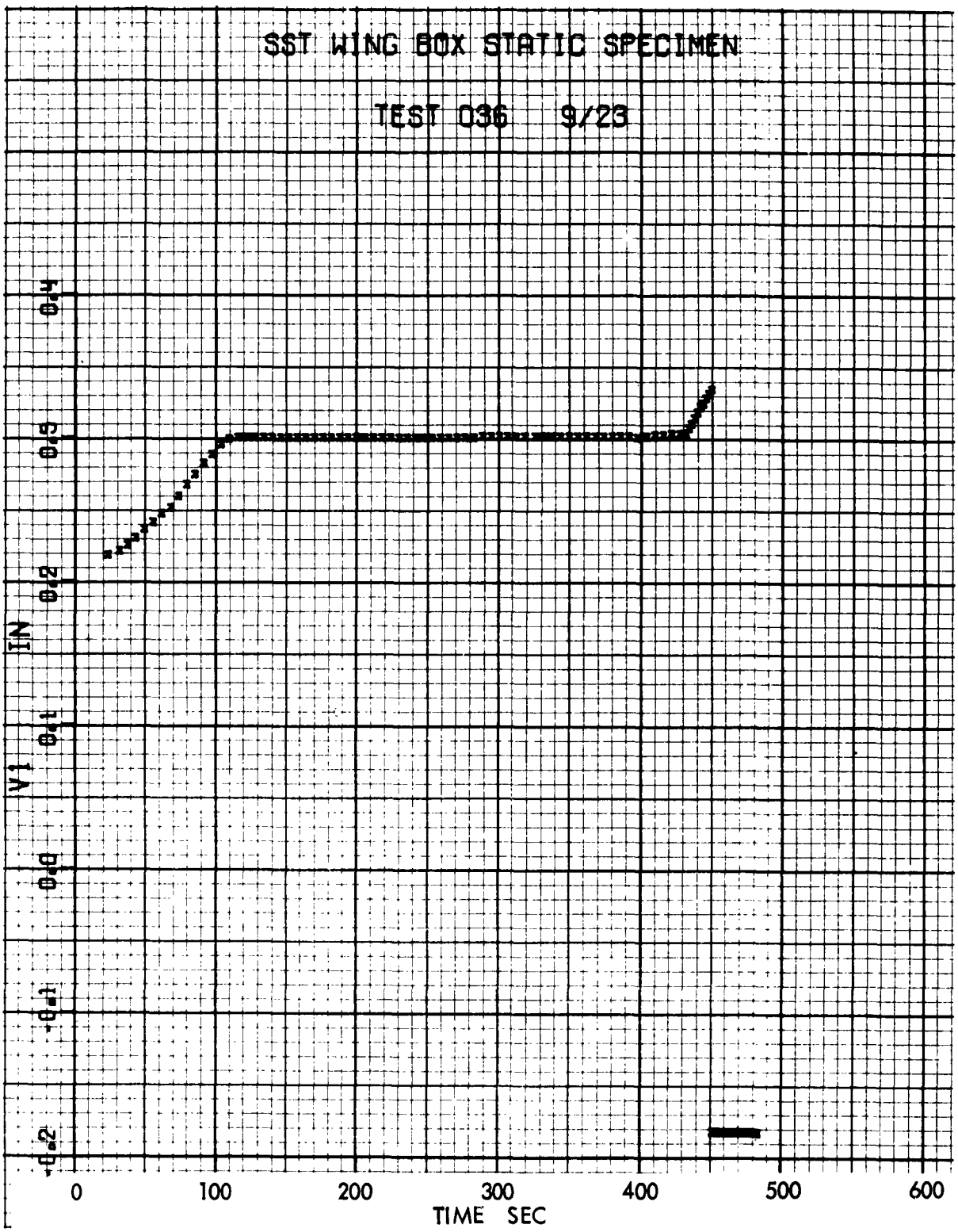
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-0.2
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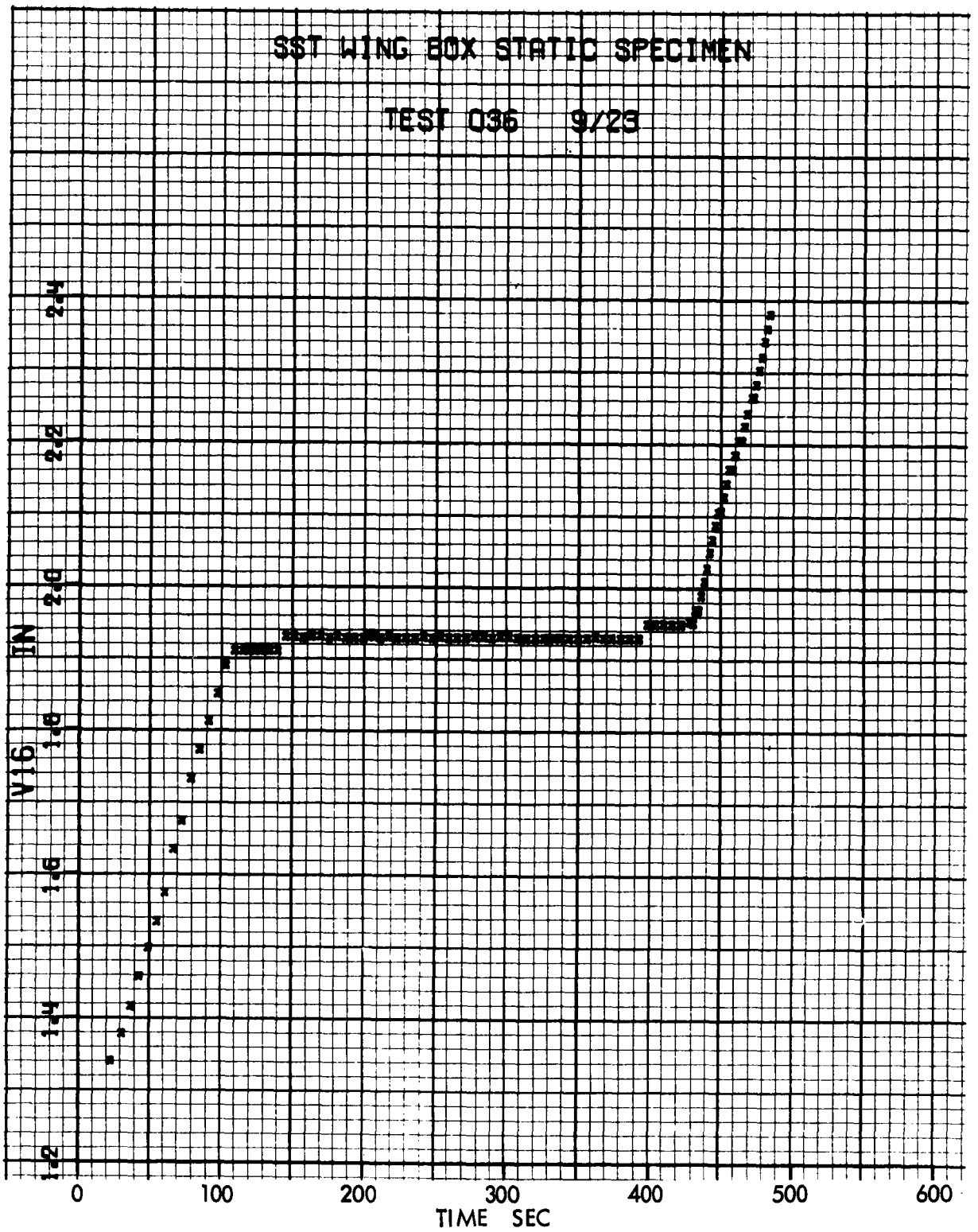
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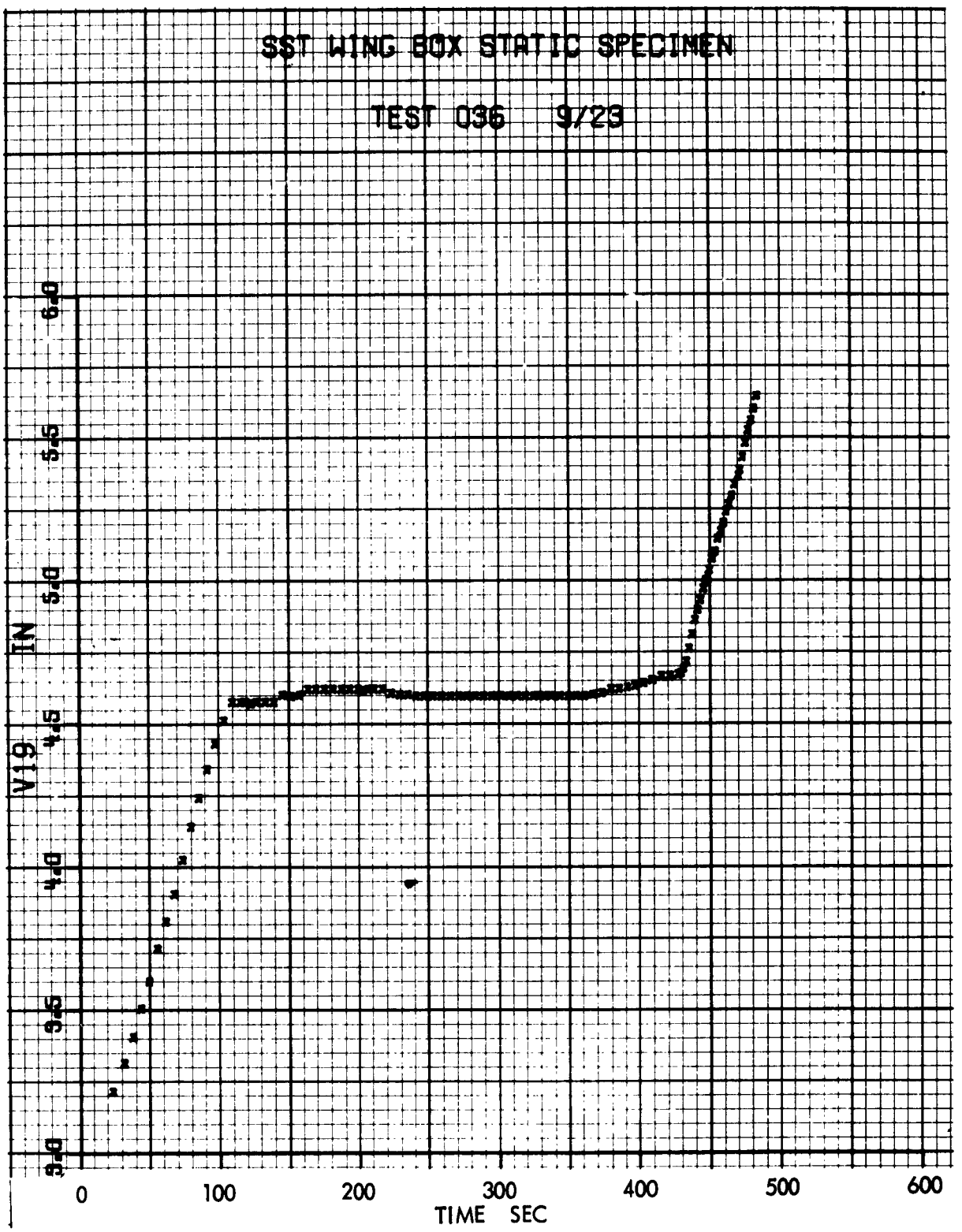
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V19 IN
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3.0
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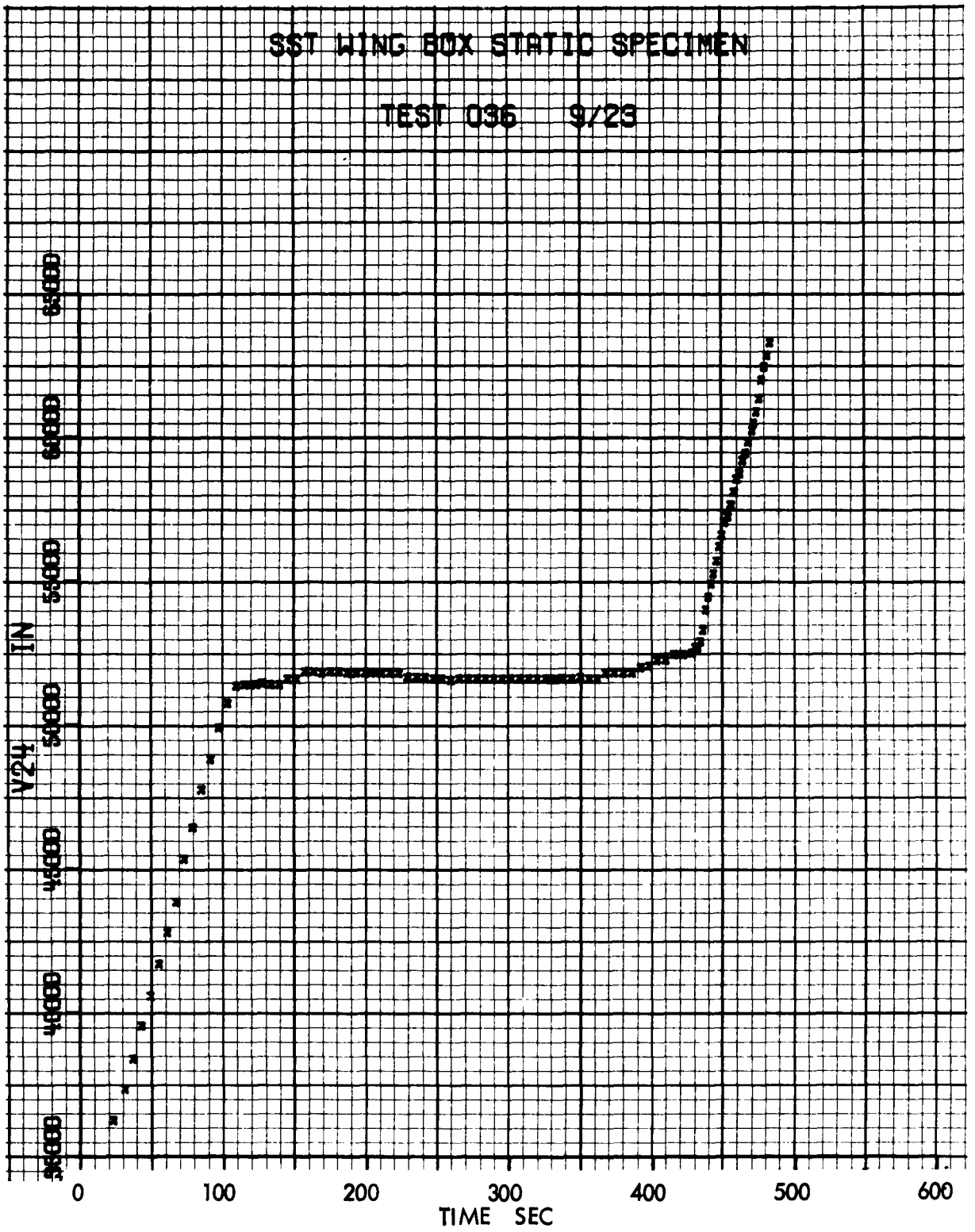
TIME SEC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TIME SEC
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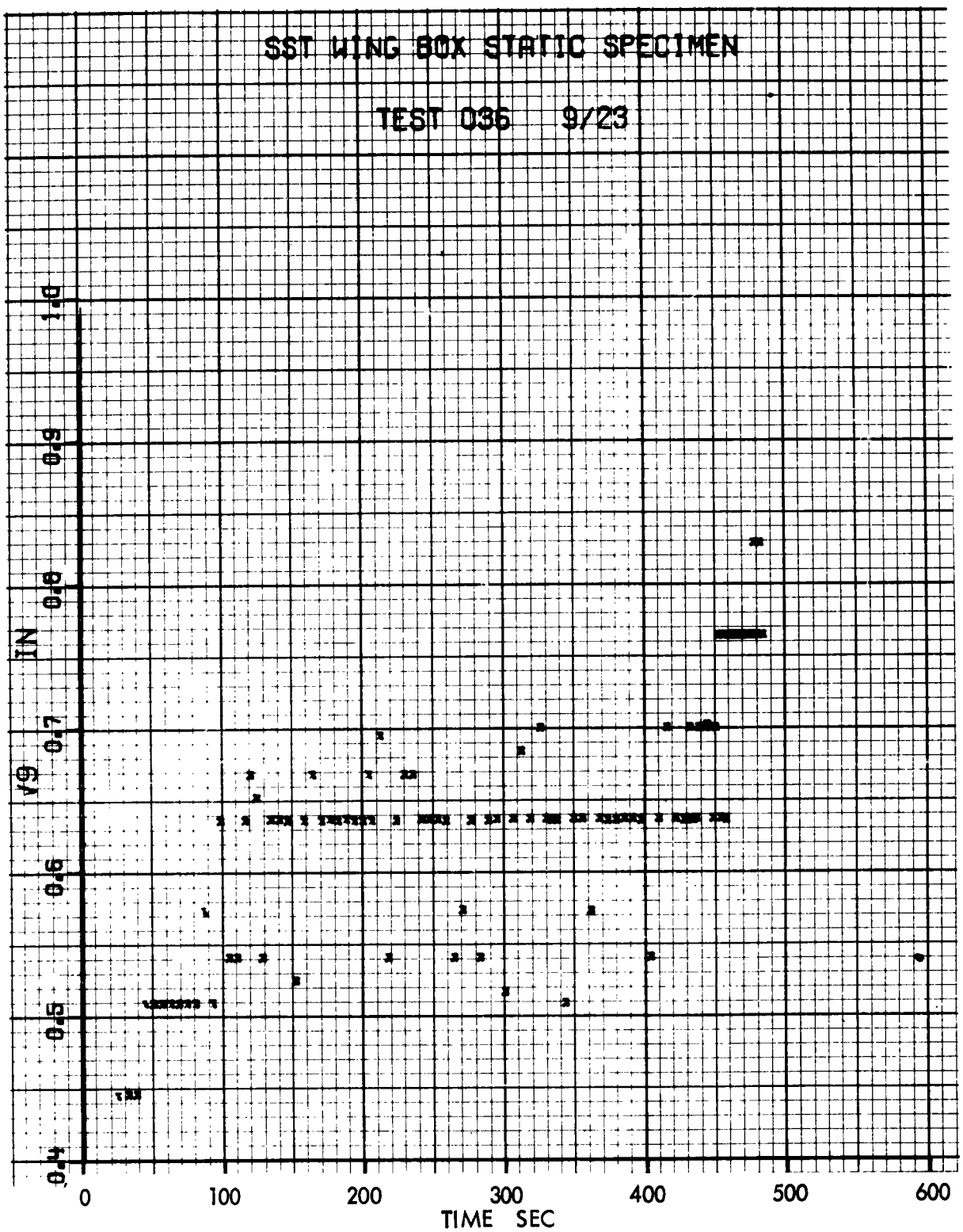
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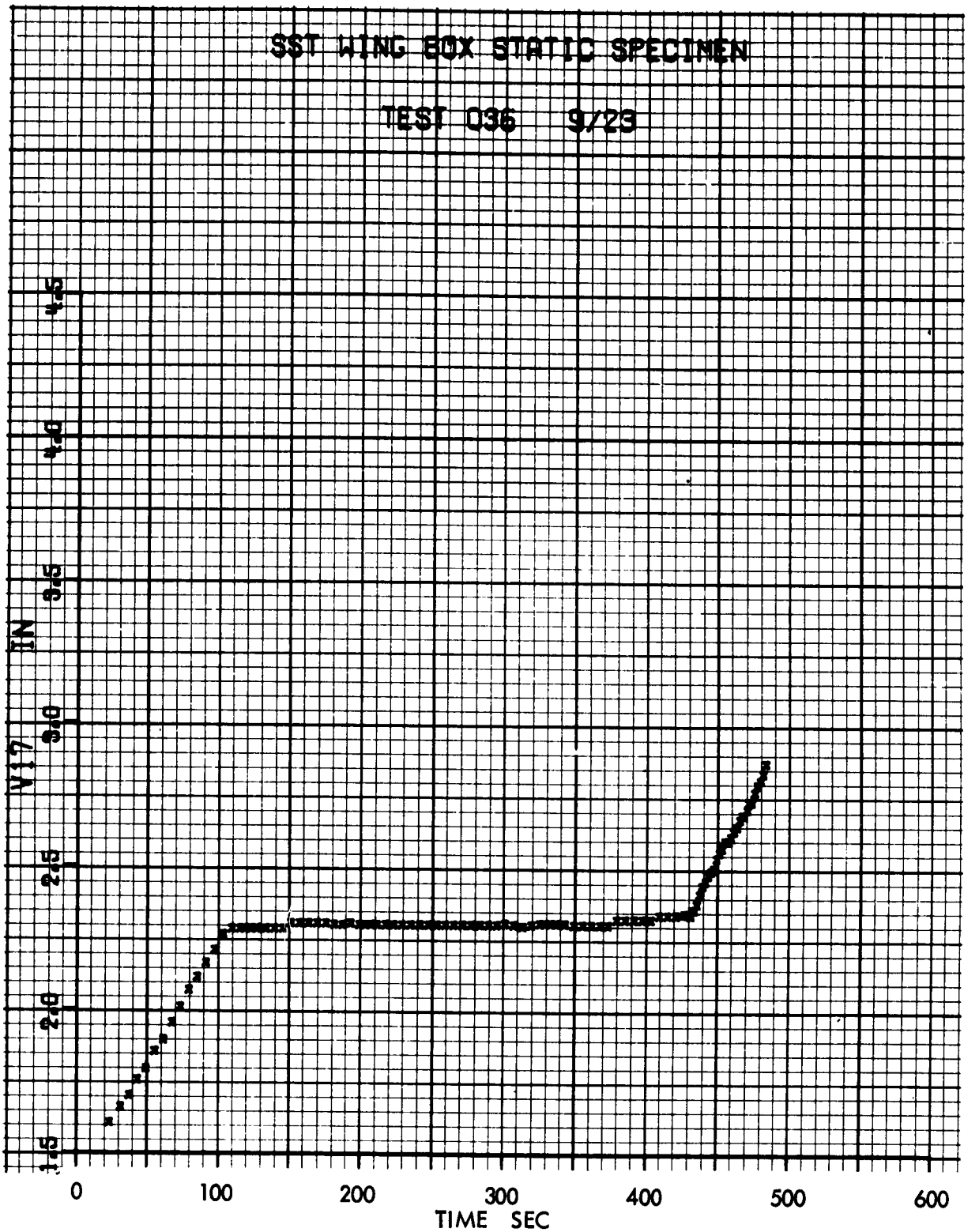
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0
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200
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TIME SEC

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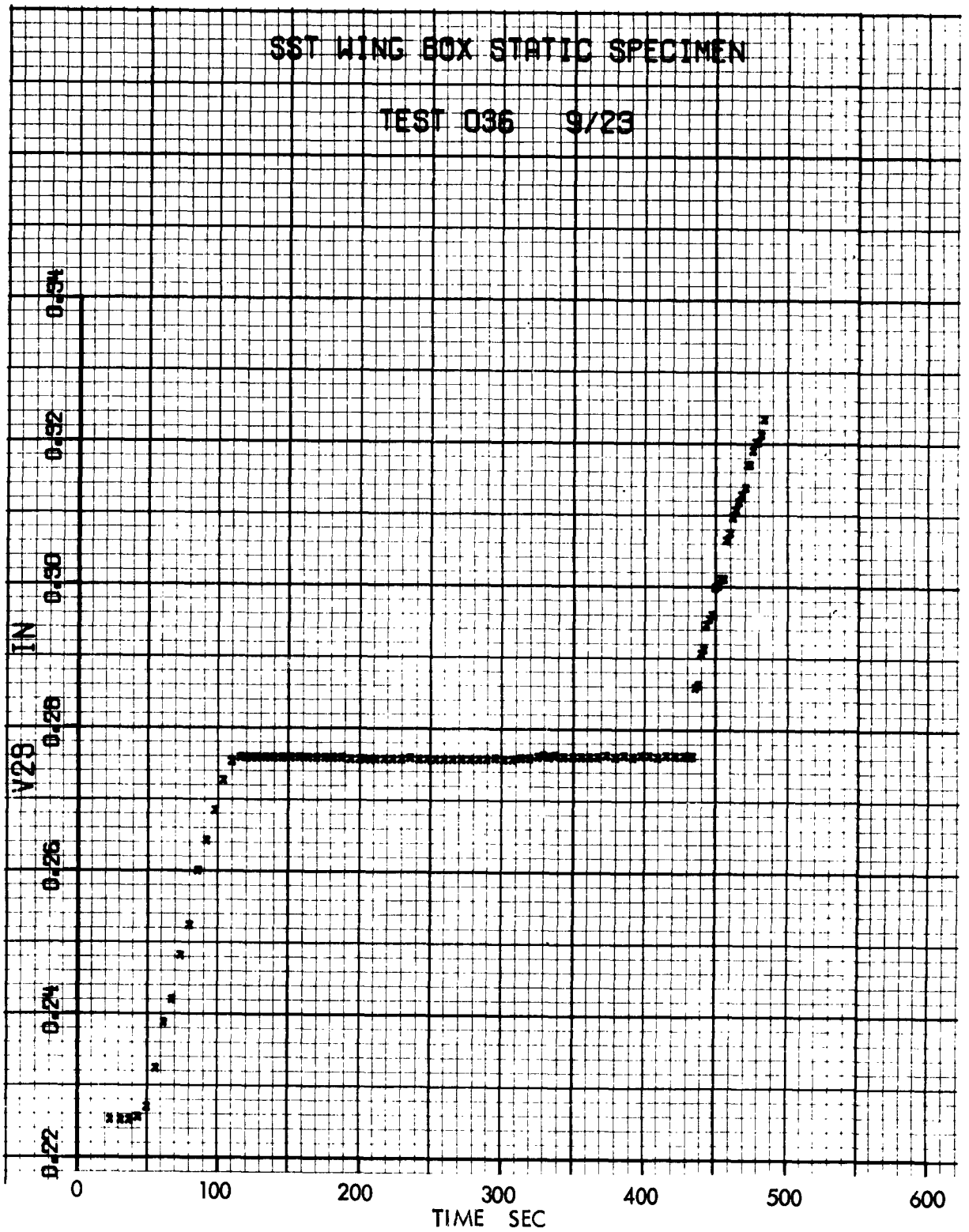
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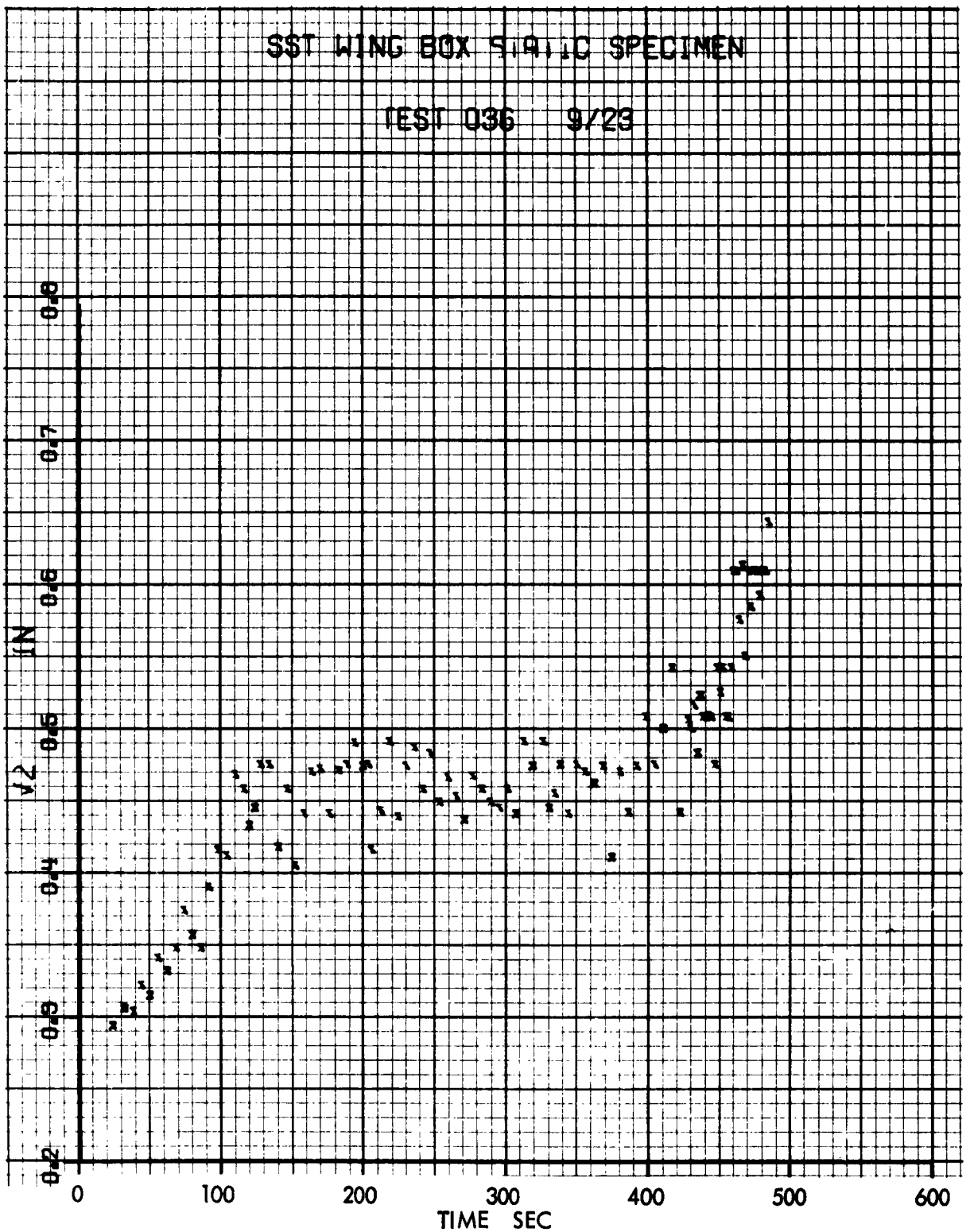
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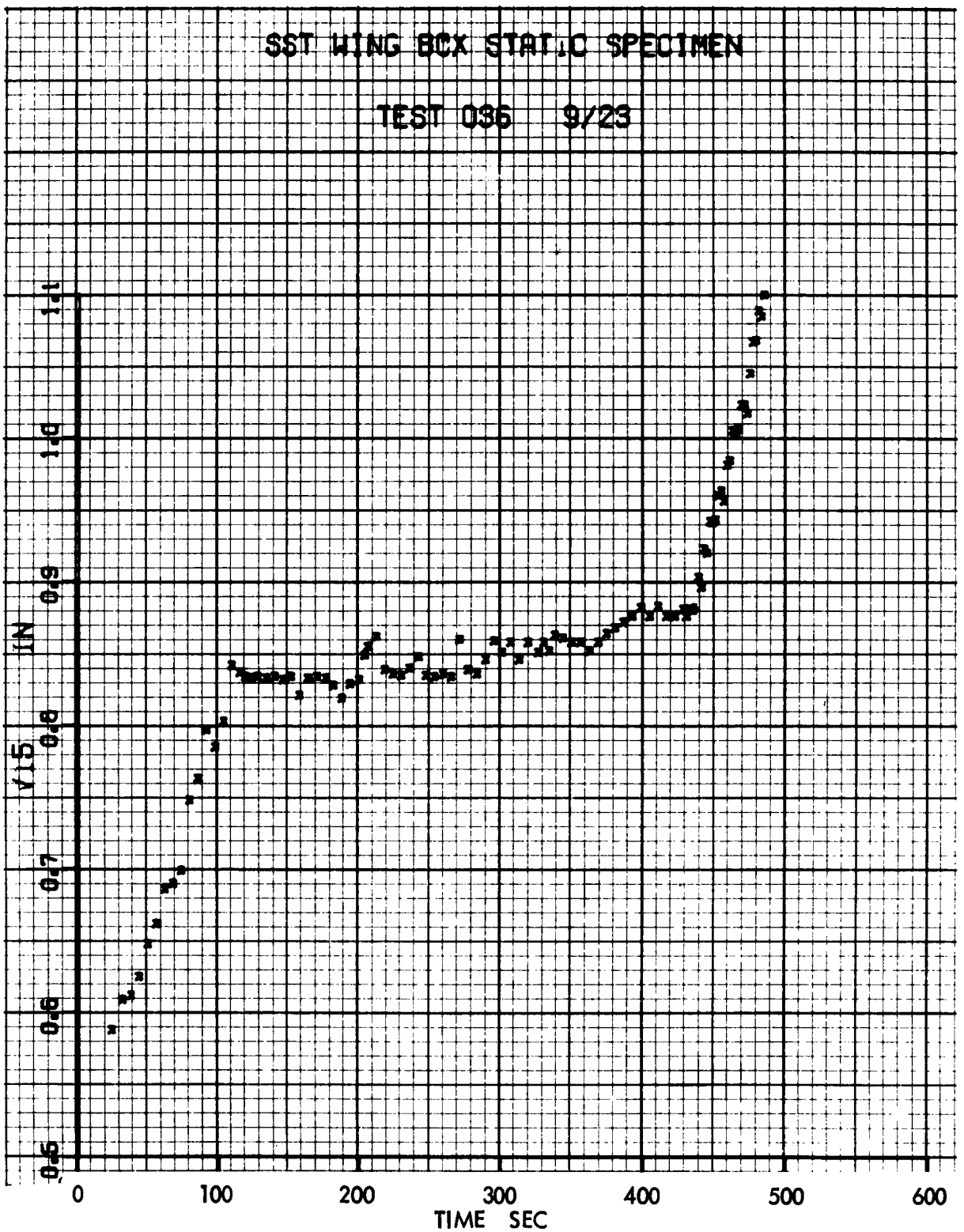
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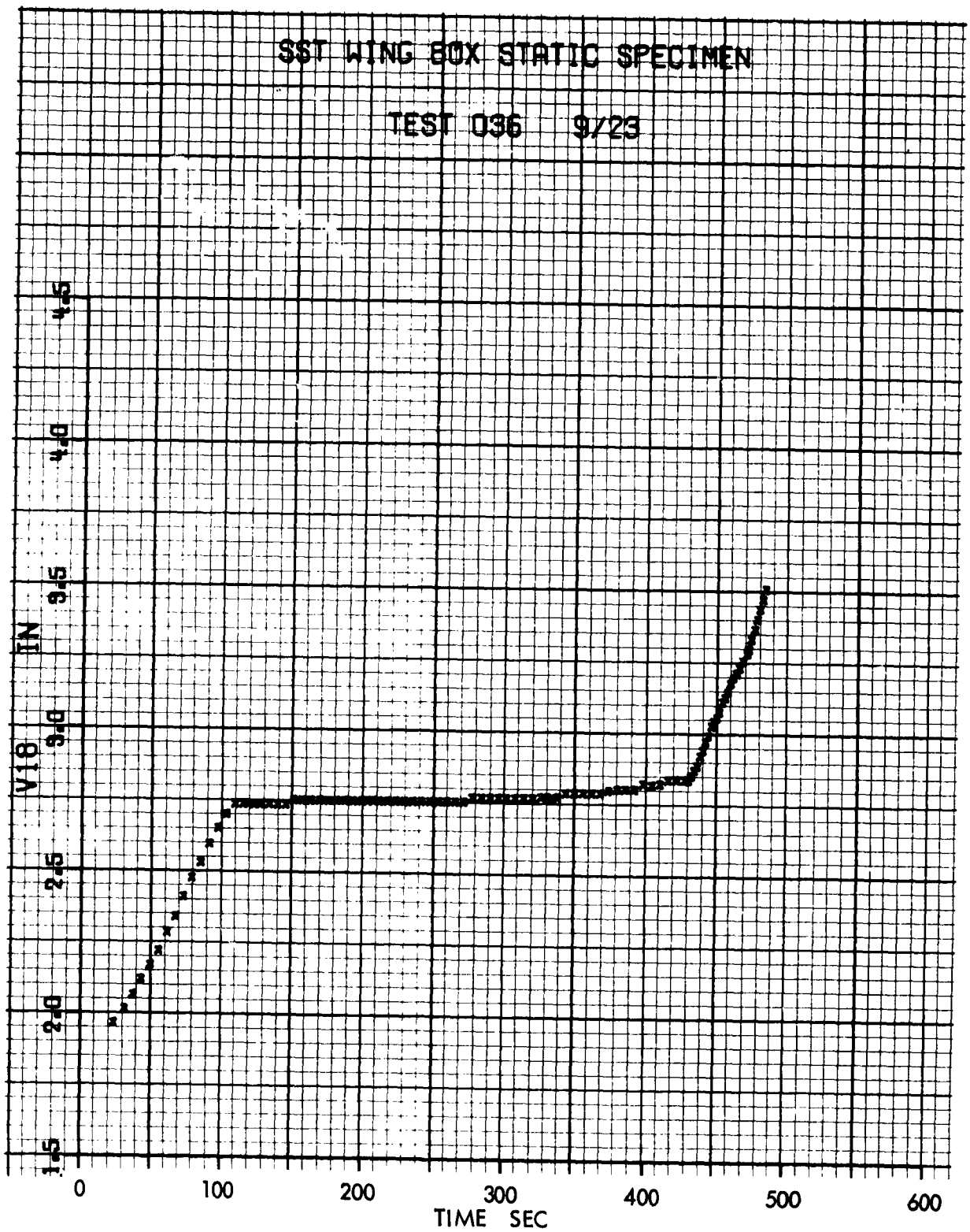
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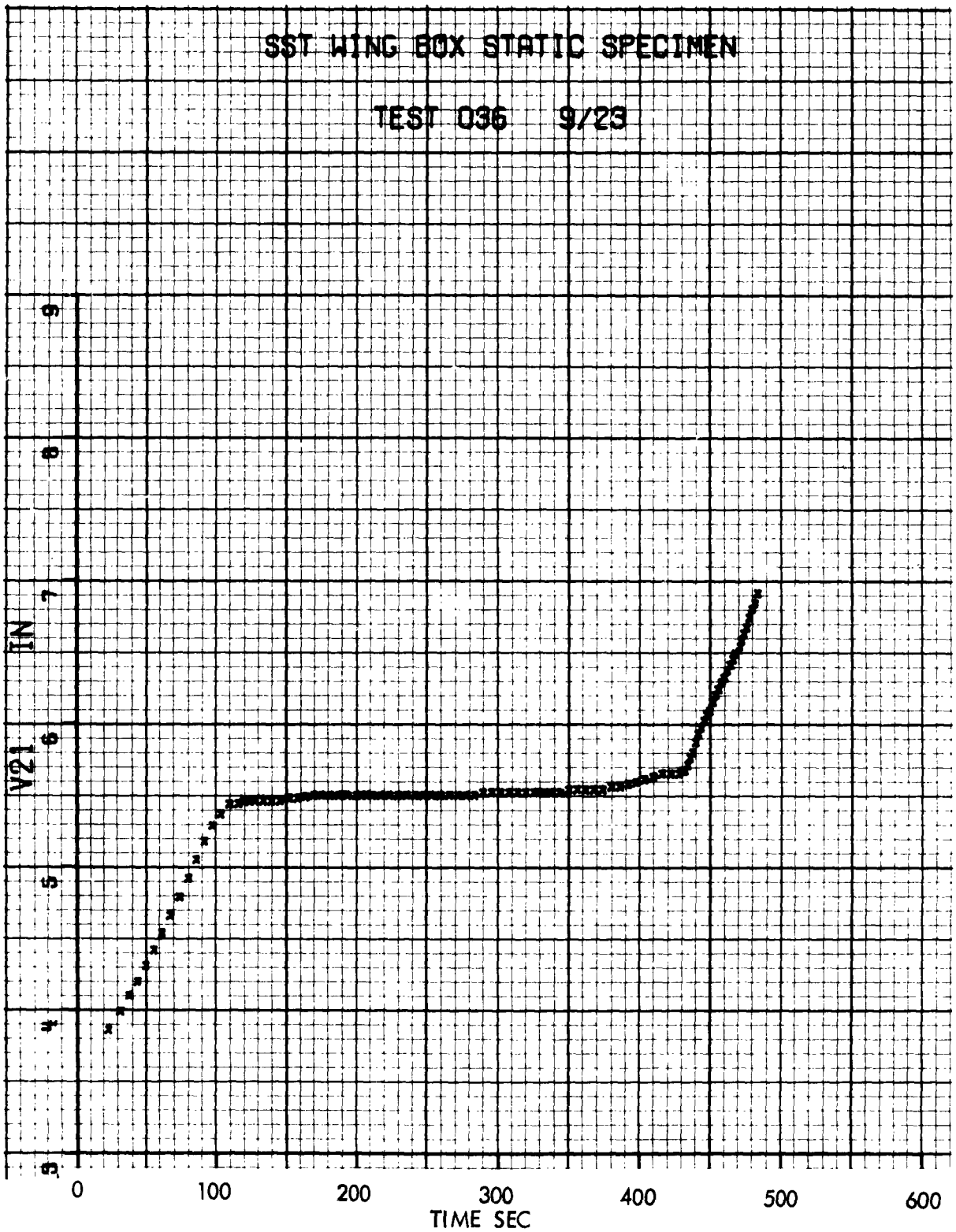
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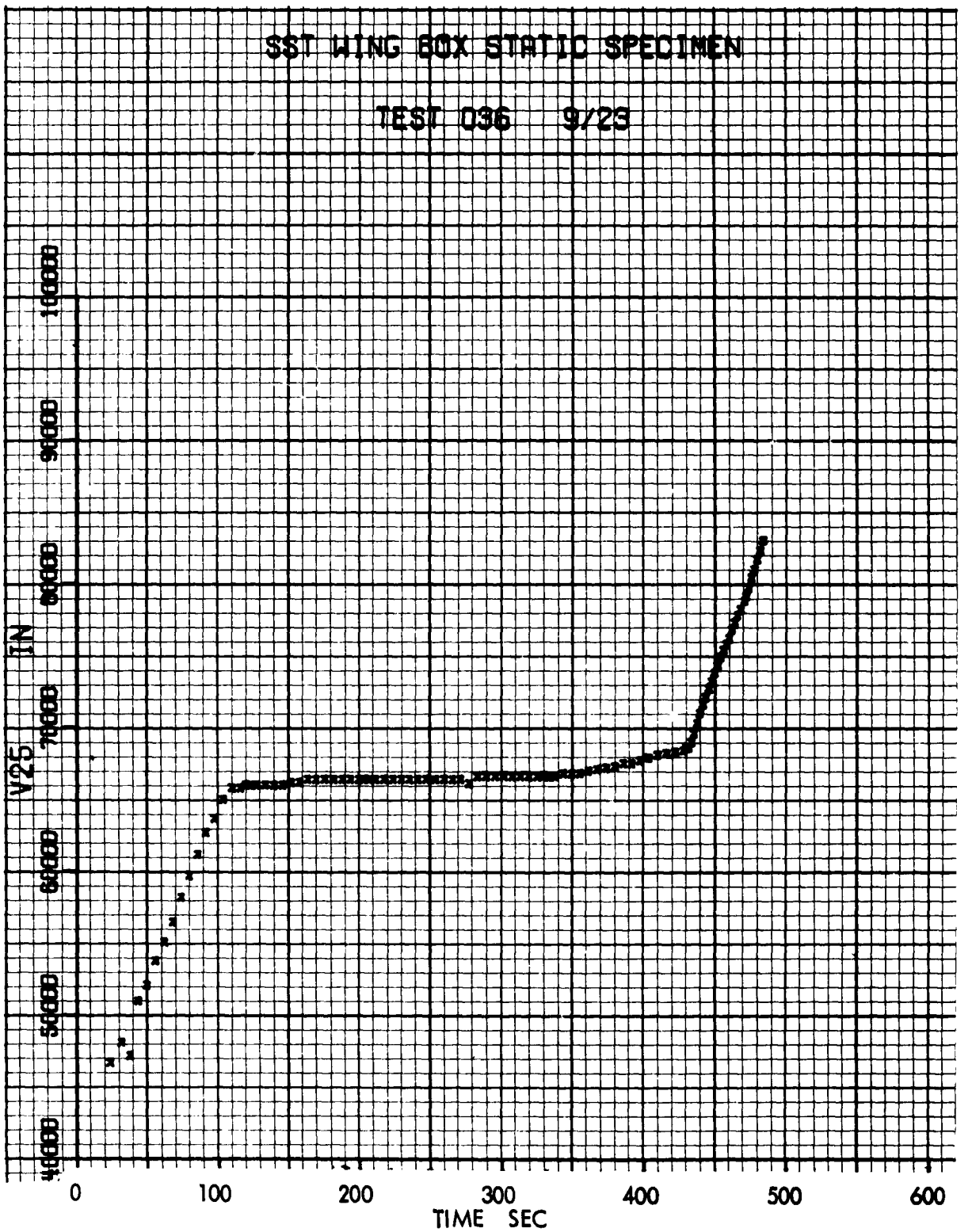
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V25 IN
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500
600
TIME SEC

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Burbank, California

2a. REPORT SECURITY CLASSIFICATION
UNCLASSIFIED

2b GROUP

3. REPORT TITLE
Wing Box Fuel Containment
Volume IV - Test Results and Evaluation, Book C

4. DESCRIPTIVE NOTES *(Type of report and inclusive dates)*
Final Report - 1 April 1963 to 30 November 1964

5. AUTHOR(S) *(Last name, first name, initial)*
Kuka, George J.; Huff, Julius; Contini, Roberto; and Wald, George

6. REPORT DATE	7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
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d.

9a. ORIGINATOR'S REPORT NUMBER(S)
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13 ABSTRACT

Contained in this volume are the results of static load and elevated temperature fuel containment testing of two (2) wing box structures. A comparison of analytical and experimental results is attempted and results of differences cited.

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14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
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Supersonic Transport						
Static Testing						
Fuel Containment						
Fatigue Testing						
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