TEST 5 - JULY 27-28, 1981

MRI FLIGHT SUMMARY

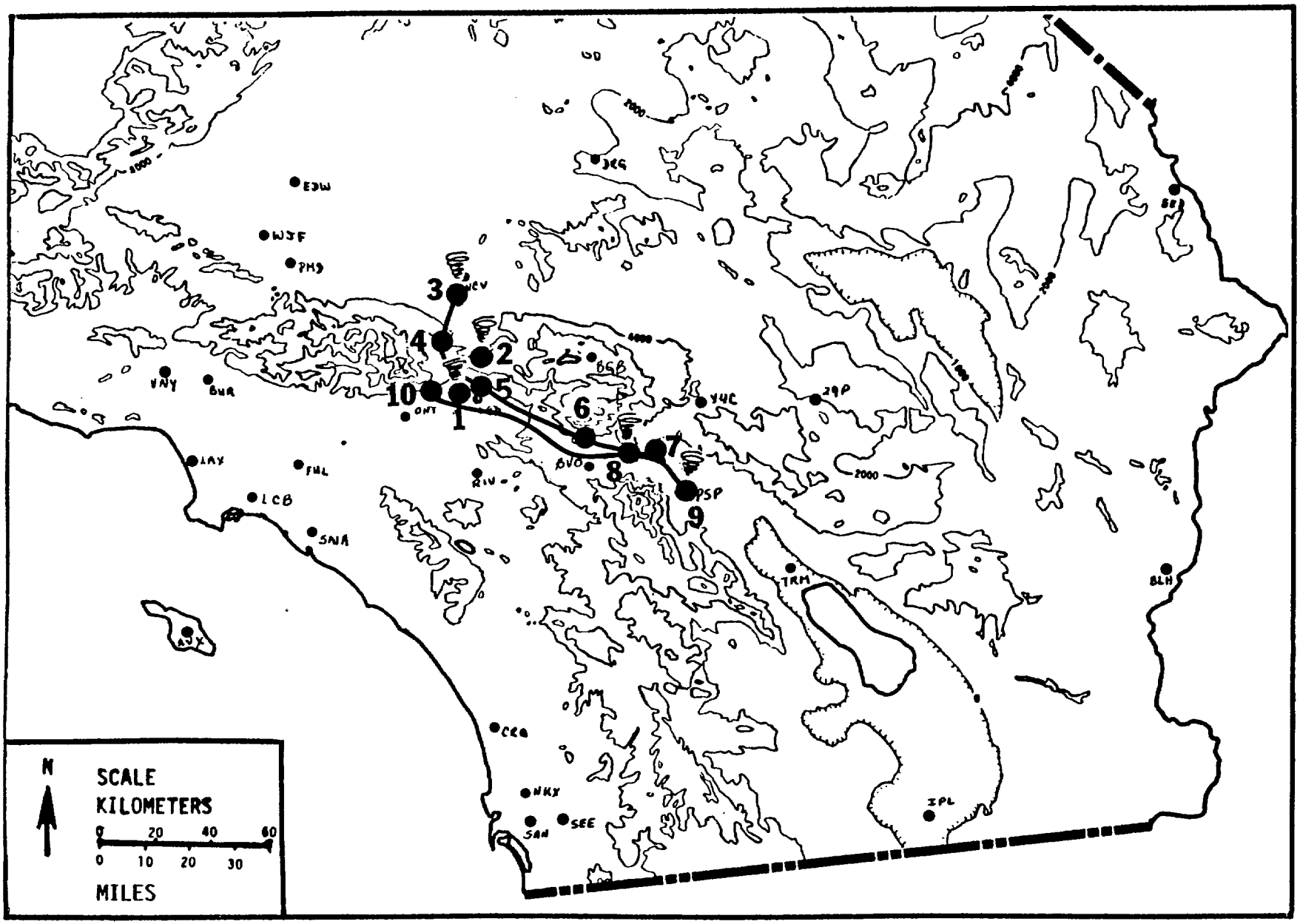
Date: July 27, 1981 — SOUTHEAST DESERT OZONE TRANSPORT STUDY — Tape #: 258

Pass No.	Sampling Times (PDT) Start	End	Flight Type	End Points	Sampling Altitude m MSL Start	End	Traverse Length or Orbit Time	Tracer Samples	COMMENTS
1	1619	1635	Spiral	1	427-2134		N.A.	H1-12	Sfc Elev = 422 m
2	1639	1702	Spiral	2	1554-3658		N.A.	H13-27	Sfc Elev = 1372 m
3	1712	1733	Spiral	3	3658- 945		N.A.	H28-46	Sfc Elev = 915 m
4	1737	1745	Traverse	3 - 4	1067-1433		27.4 Km.	H47-55	
5	1746	1753	Traverse	4 - 5	1219-1006		24.2 Km.	H56-63	
6	1754	1805	Traverse	5 - 6	1006		41.9 Km.	H64-75	
7	1807	1817	Traverse	6 - 7	1006		40.3 Km.	H76-87	
8	1828	1858	Spiral	8	366-3353		N.A.	H88-107	Sfc Elev = 360 m
9	1903	1923	Zero Spiral		3353- 152		N.A.		Instrument calibration
10	1927	1933	Spiral	9	122- 914		N.A.	H109-130	Sfc Elev = 122 m
11	1936	2012	Traverse	9 - 10	305- 975		104.7 Km.	H131-136	

27 July 1981 Tape #258

TRAVERSE END POINT AND SPIRAL LOCATIONS

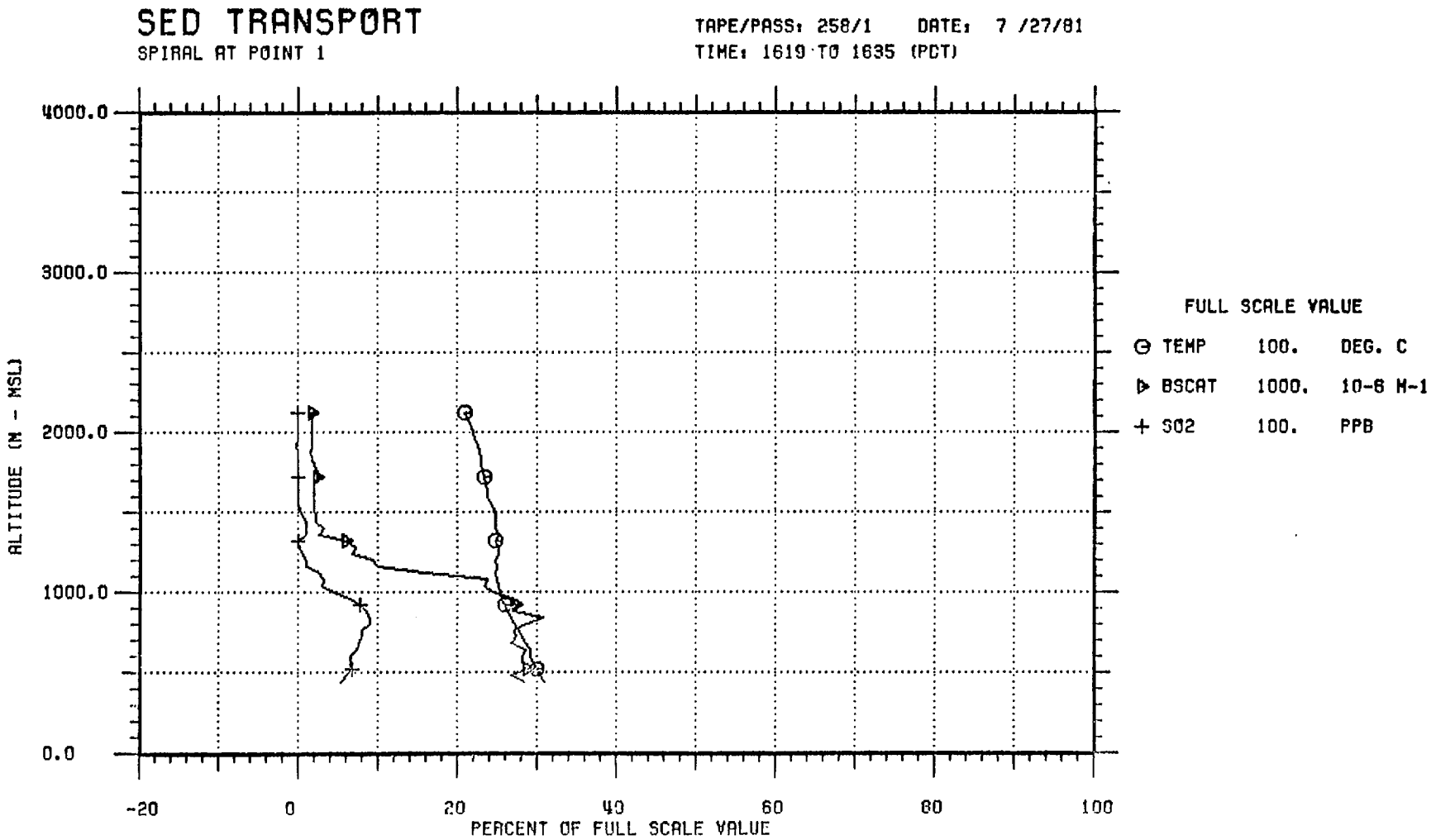
POINT	LATITUDE	LONGITUDE	DESCRIPTION
1	34°07.5'	117°23'	Rialto Airport
2	34°14.5'	117°16.0'	Lake Gregory
3	34°31.2'	117°18.8'	Victorville Drive-In
4	34°18.8'	117°28.5'	Cajon Junction
5	34°09.2'	117°17.0'	Highland
6	33°56.0'	116°59.5'	West of Beaumont
7	33°55.5'	116°32.5'	7 miles east of intersection of Hwys 10 & 111
8	33°55.2'	116°40.5'	Intersection of Hwys 10 & 111
9	33°49.5'	116°30.5'	Palm Springs Airport
10			Devore Fwy



SOUTHEAST DESERT OZONE TRANSPORT STUDY

MRI SAMPLING FLIGHT

July 27, 1981 Tape #258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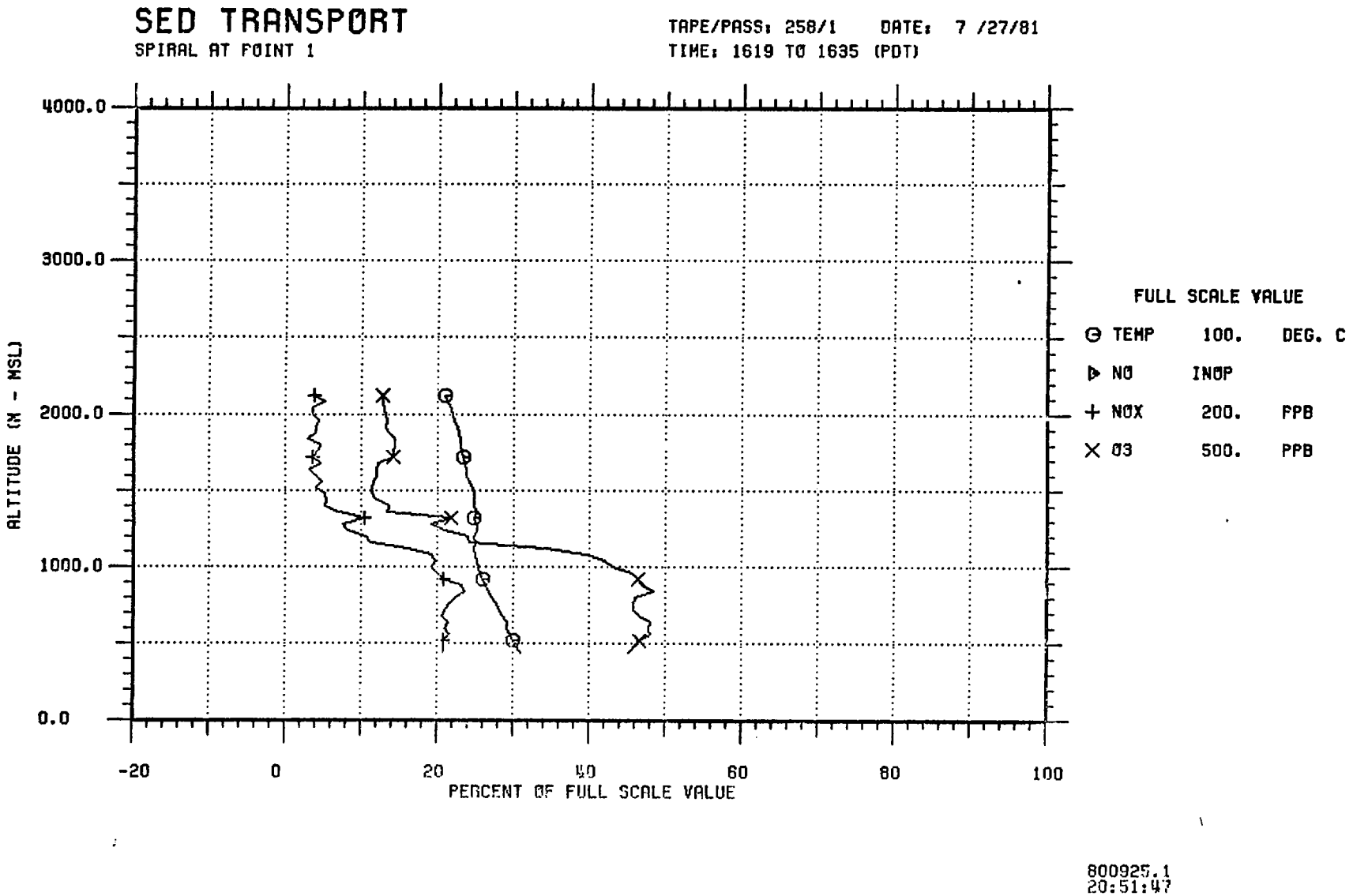
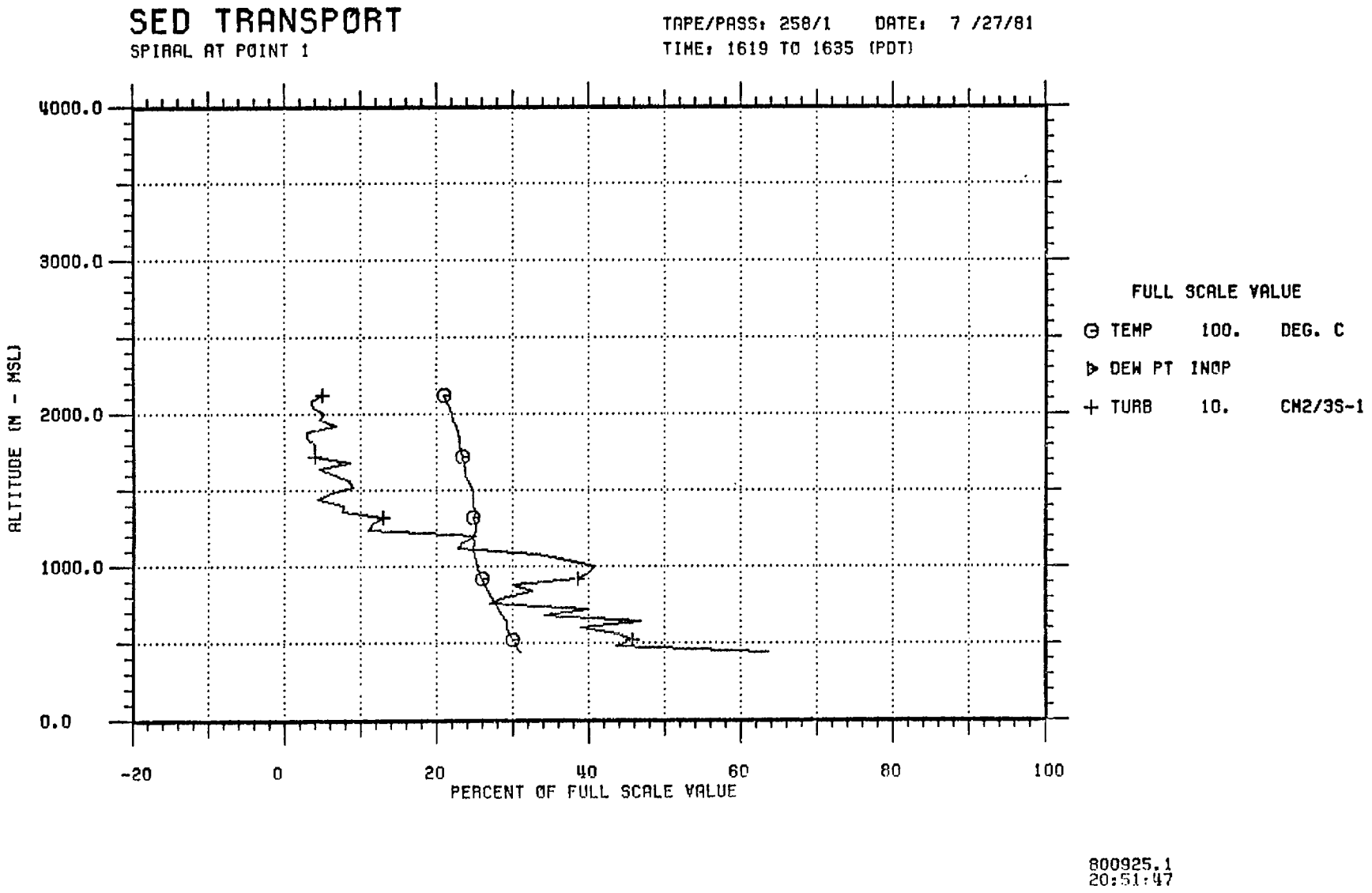
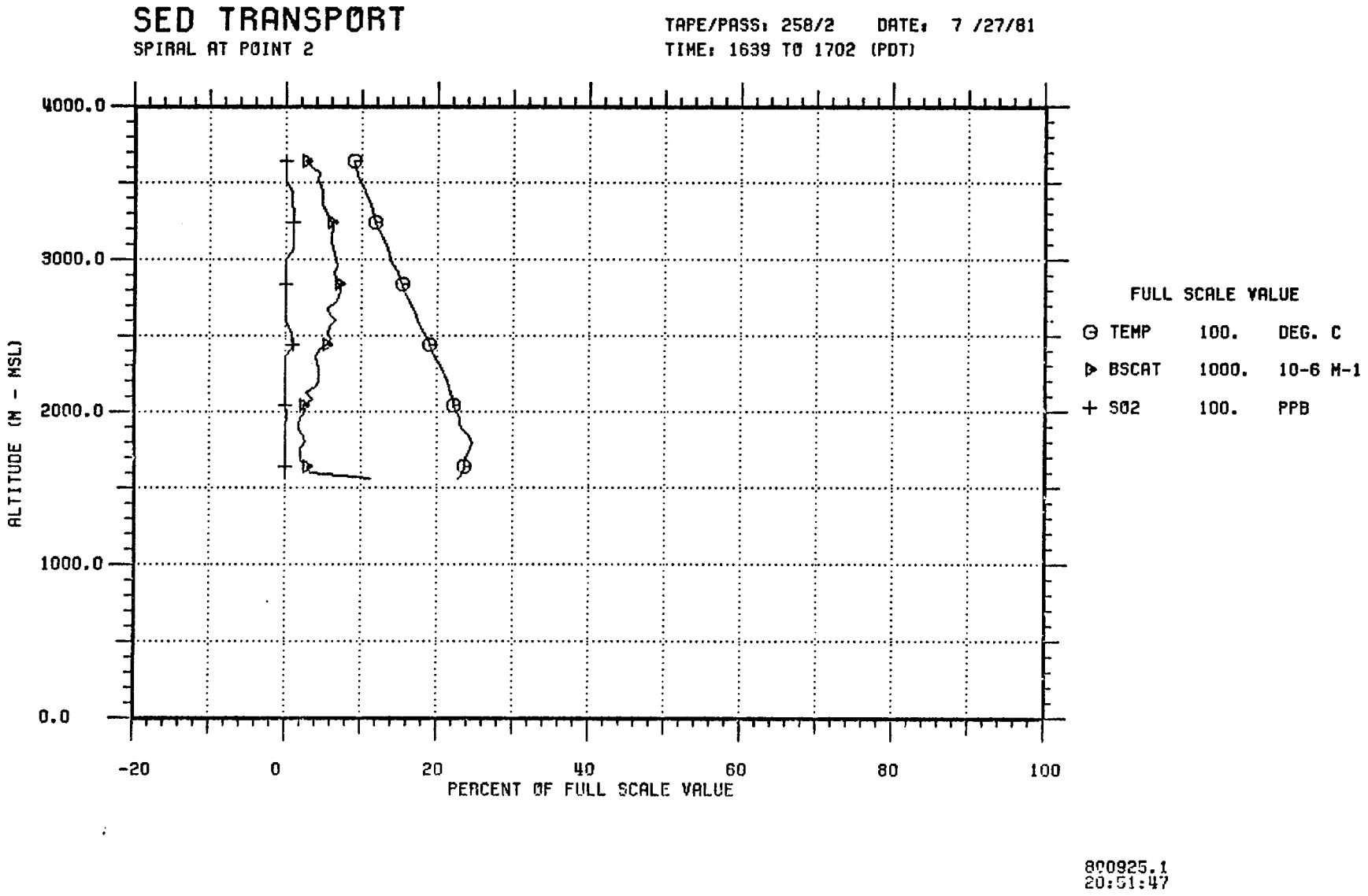
SPIRAL AT POINT 1
TAPE/PASS: 258/1 DATE: 7 /27/81
TIME: 1619 TO 1635 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
20:51:47


SED TRANSPORT
SPIRAL AT POINT 1
TAPE/PASS: 258/1 DATE: 7 /27/81
TIME: 1619 TO 1635 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO INOP
NOX 200. PPB
O3 500. PPB
800925.1
20:51:47

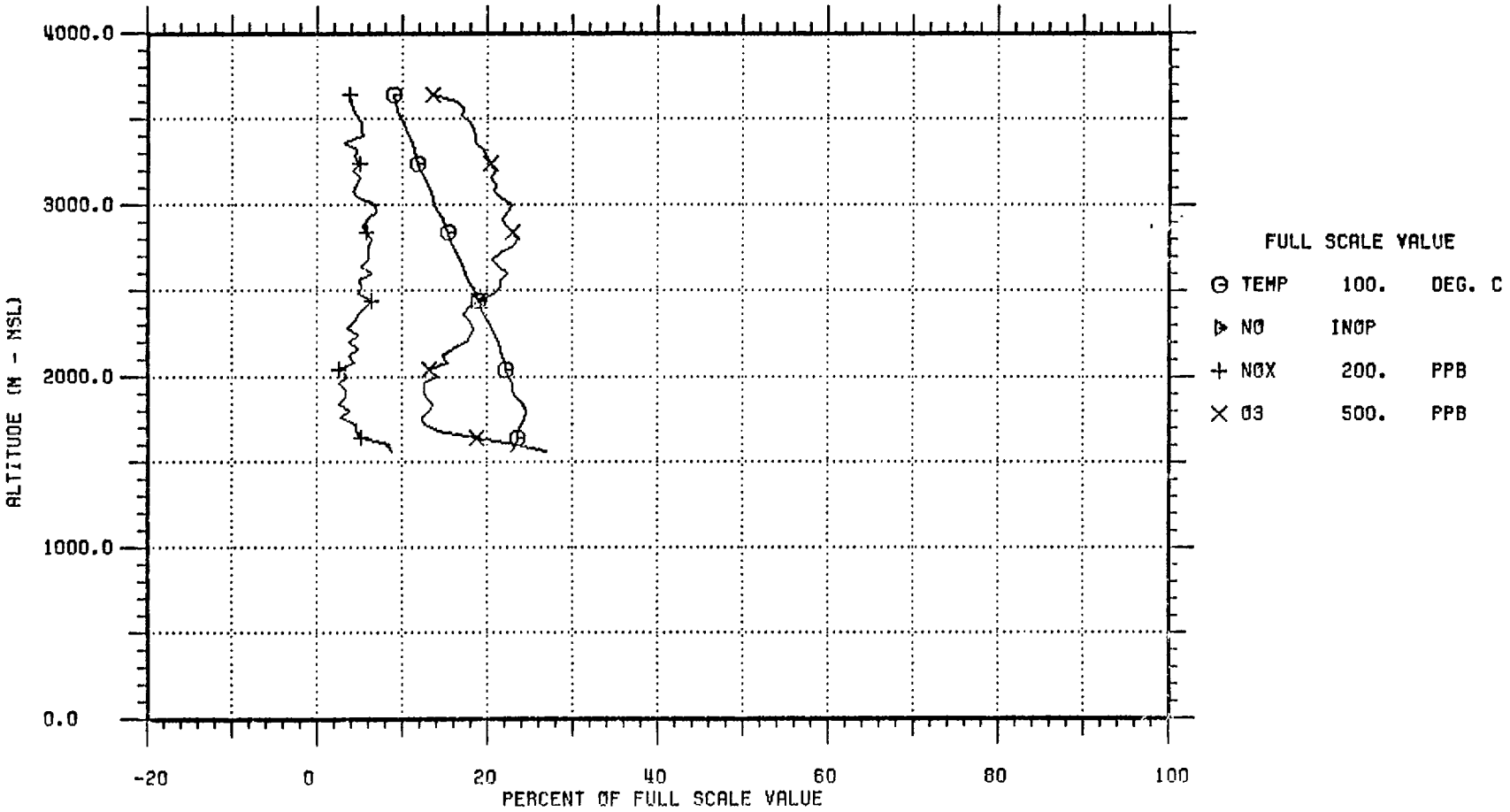

SED TRANSPORT
SPIRAL AT POINT 1
TAPE/PASS: 258/1 DATE: 7 /27/81
TIME: 1619 TO 1635 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
⊖ TEMP 100. DEG. C
▷ DEW PT INOP
+ TURB 10. CM2/3S-1
800925.1
20:51:47


SED TRANSPORT
SPIRAL AT POINT 2
TAPE/PASS: 258/2 DATE: 7 /27/81
TIME: 1639 TO 1702 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
20:51:47

SED TRANSPORT

SPIRAL AT POINT 2

TAPE/PASS: 258/2 DATE: 7 /27/81
TIME: 1639 TO 1702 (PDT)



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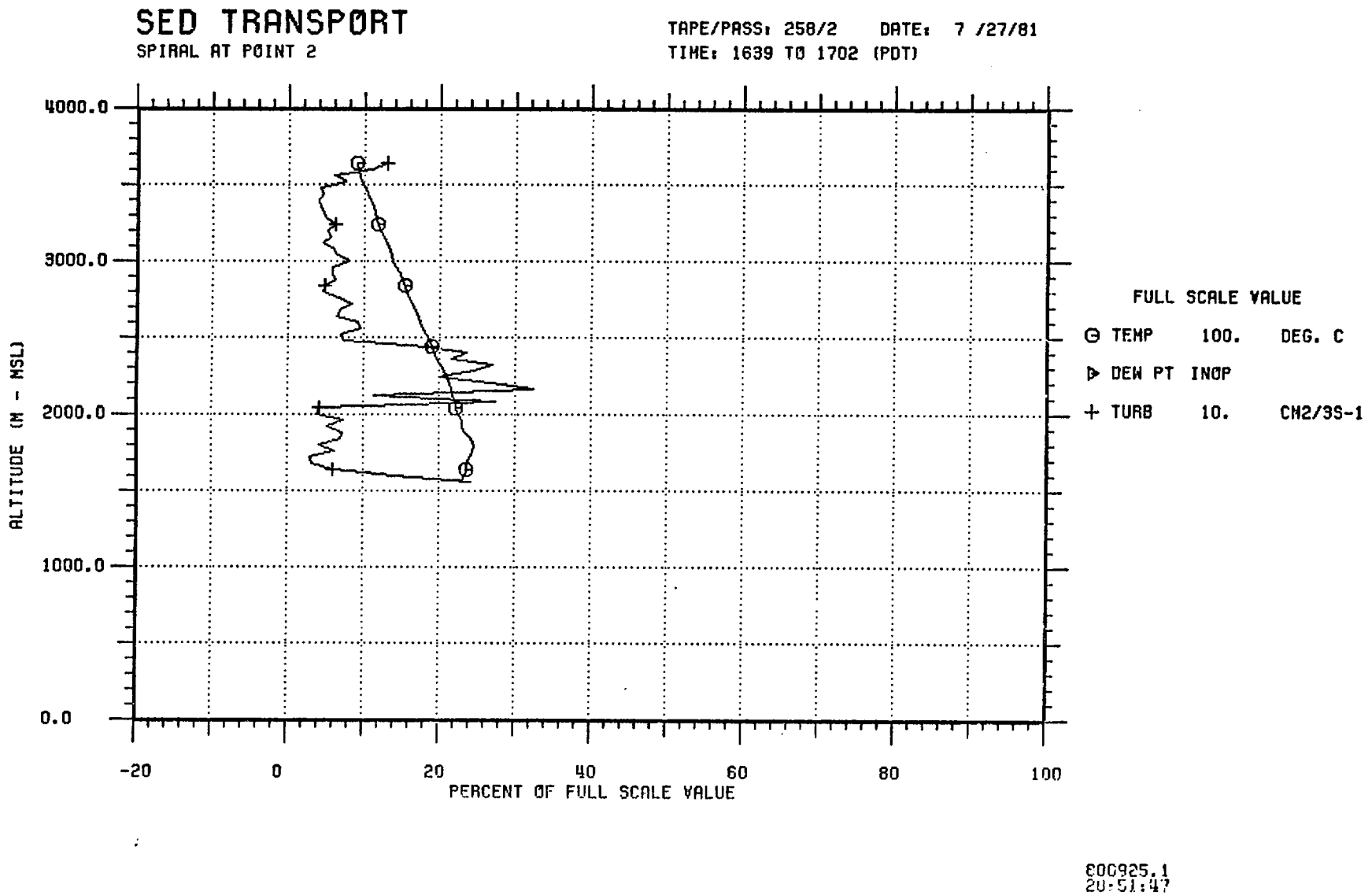
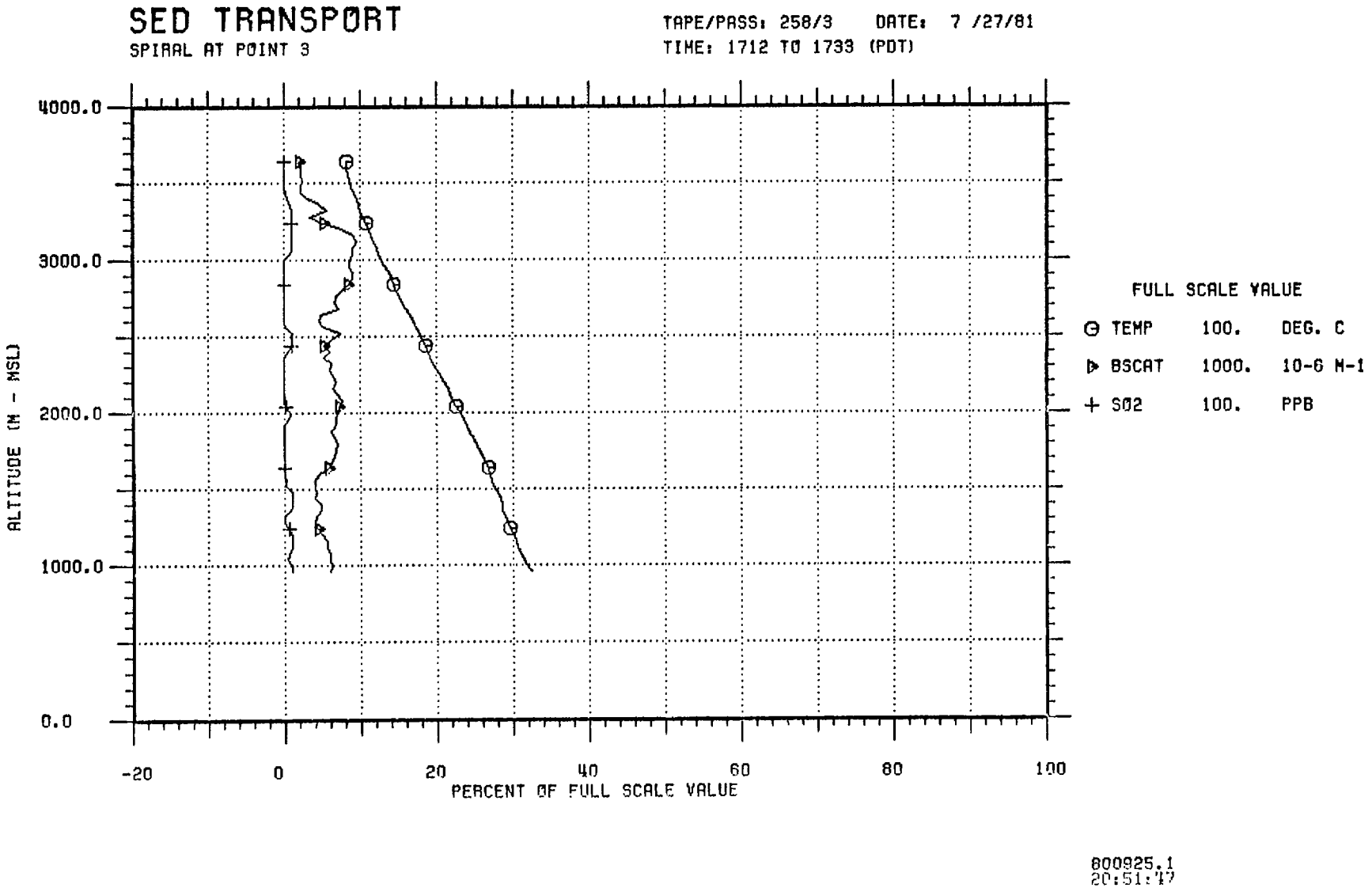
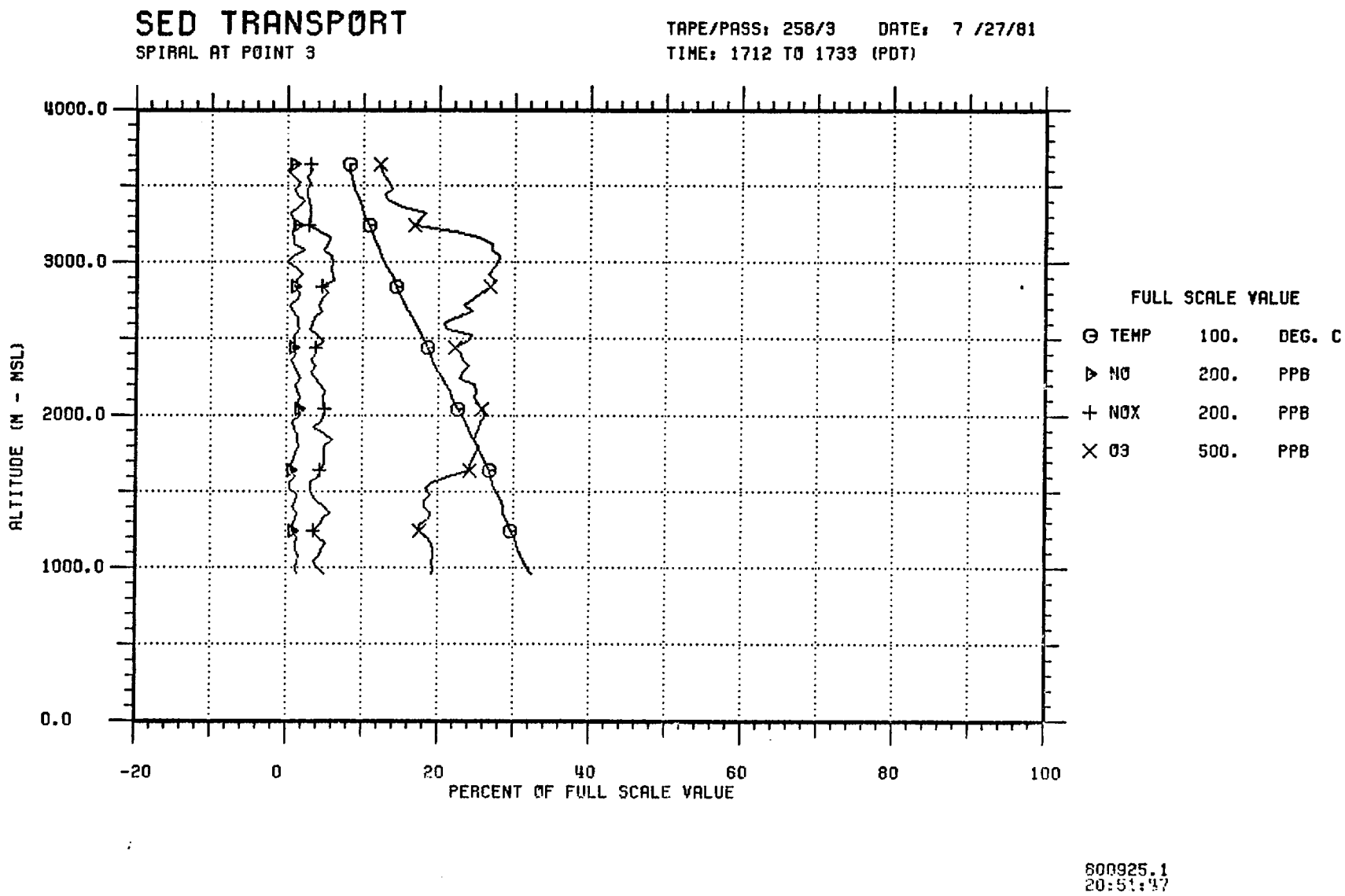
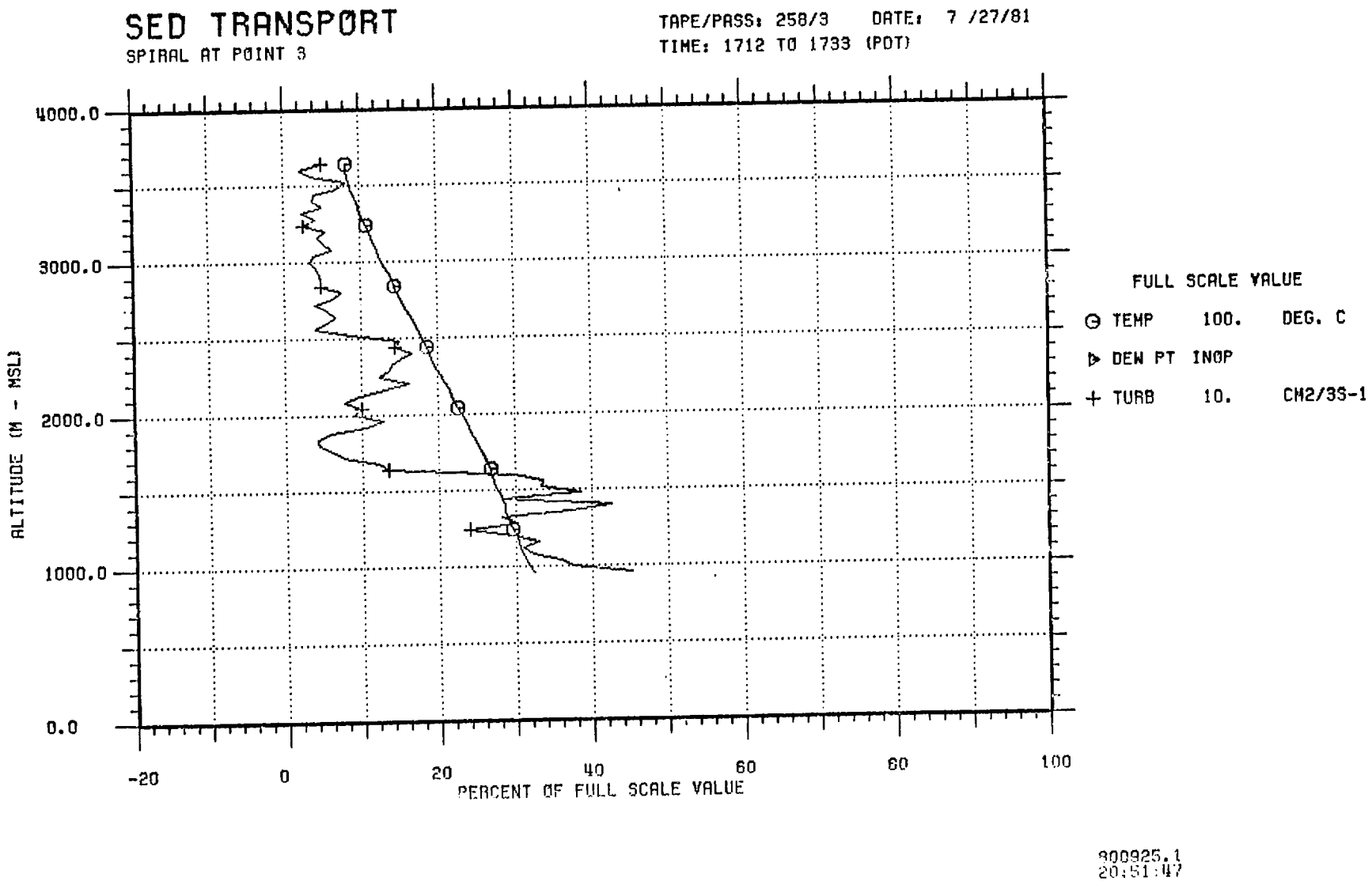
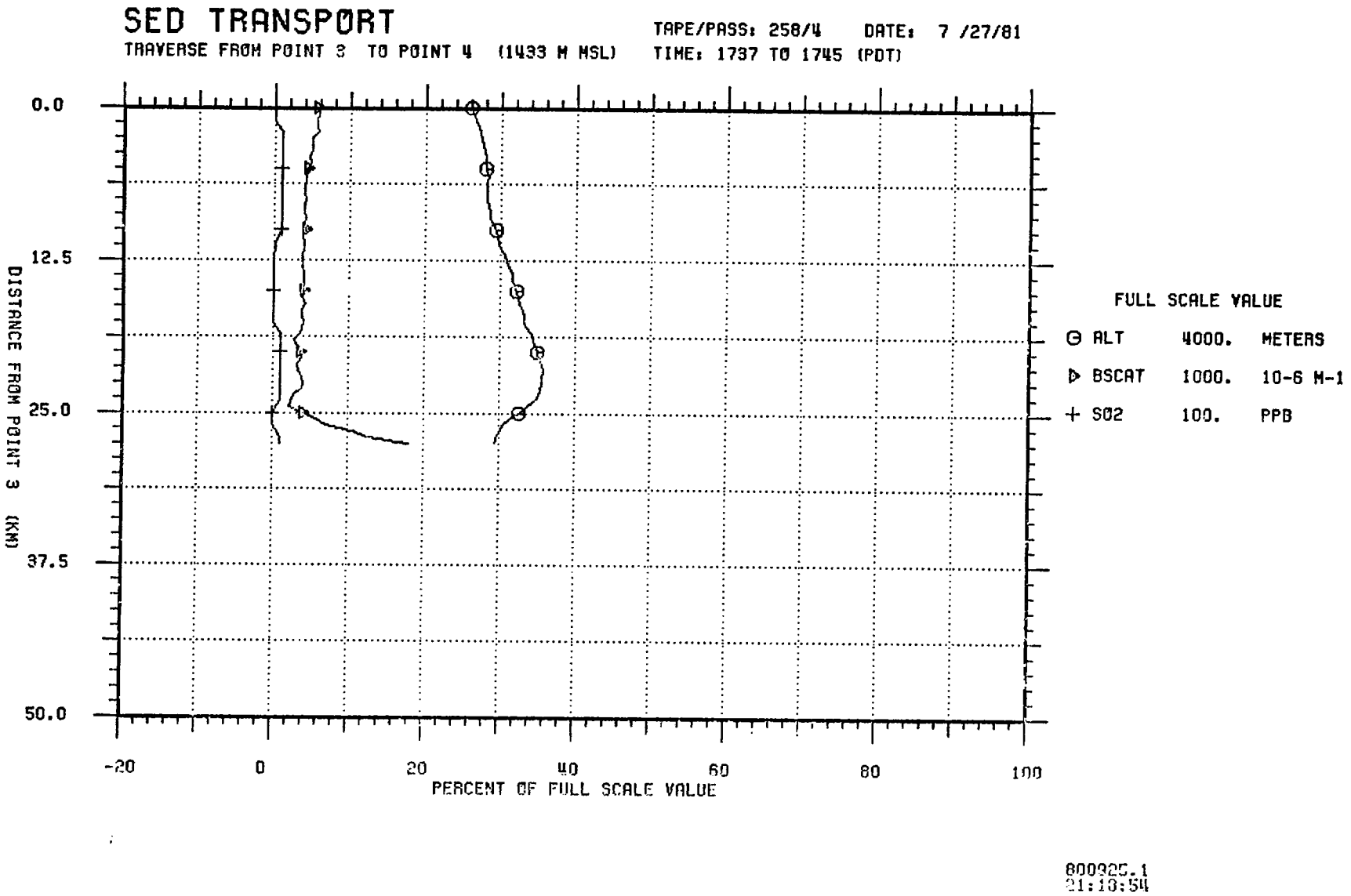
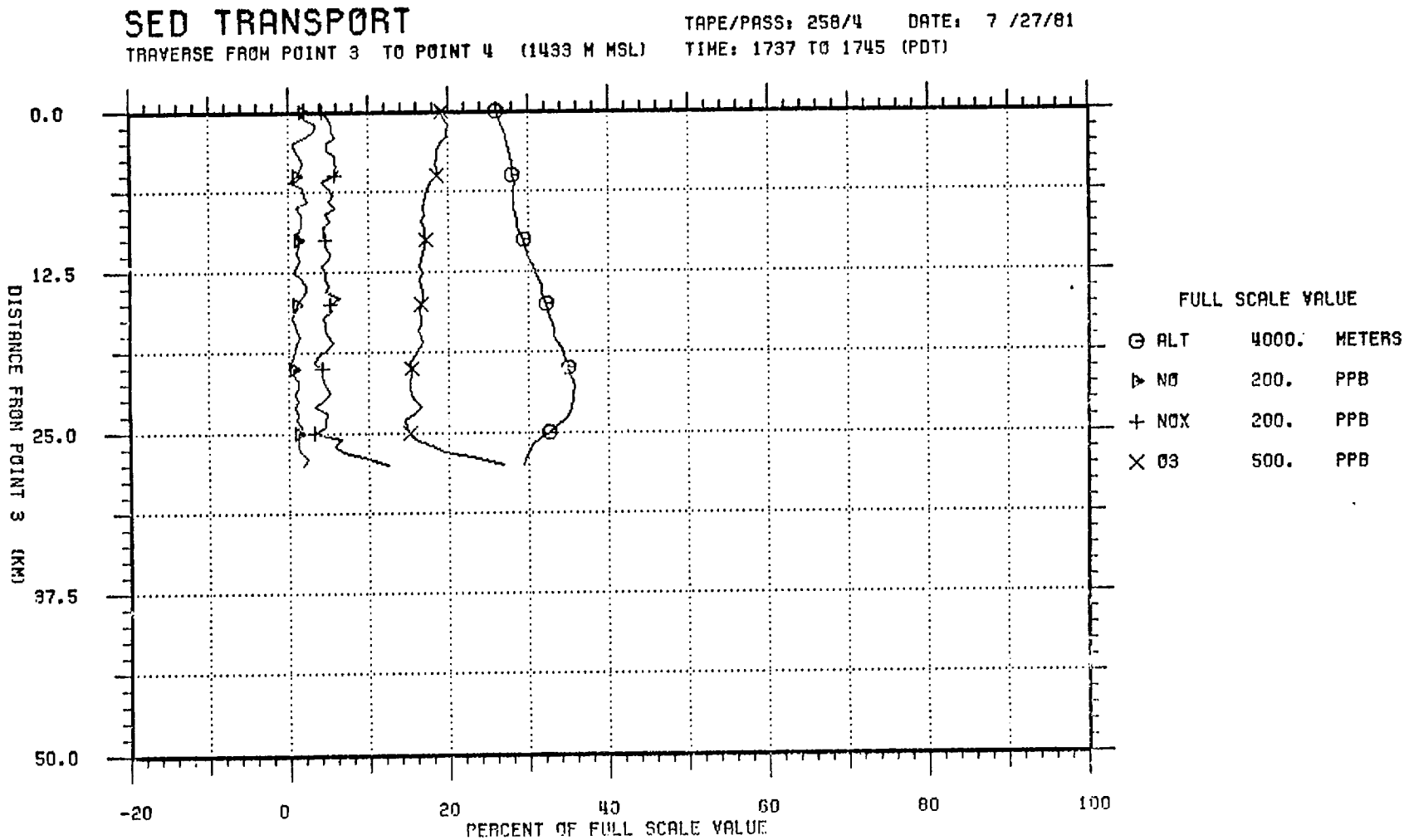

SED TRANSPORT
SPIRAL AT POINT 2
TAPE/PASS: 258/2 DATE: 7 /27/81
TIME: 1639 TO 1702 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT INOP
TURB 10. CM2/3S-1
800925.1
20:51:47

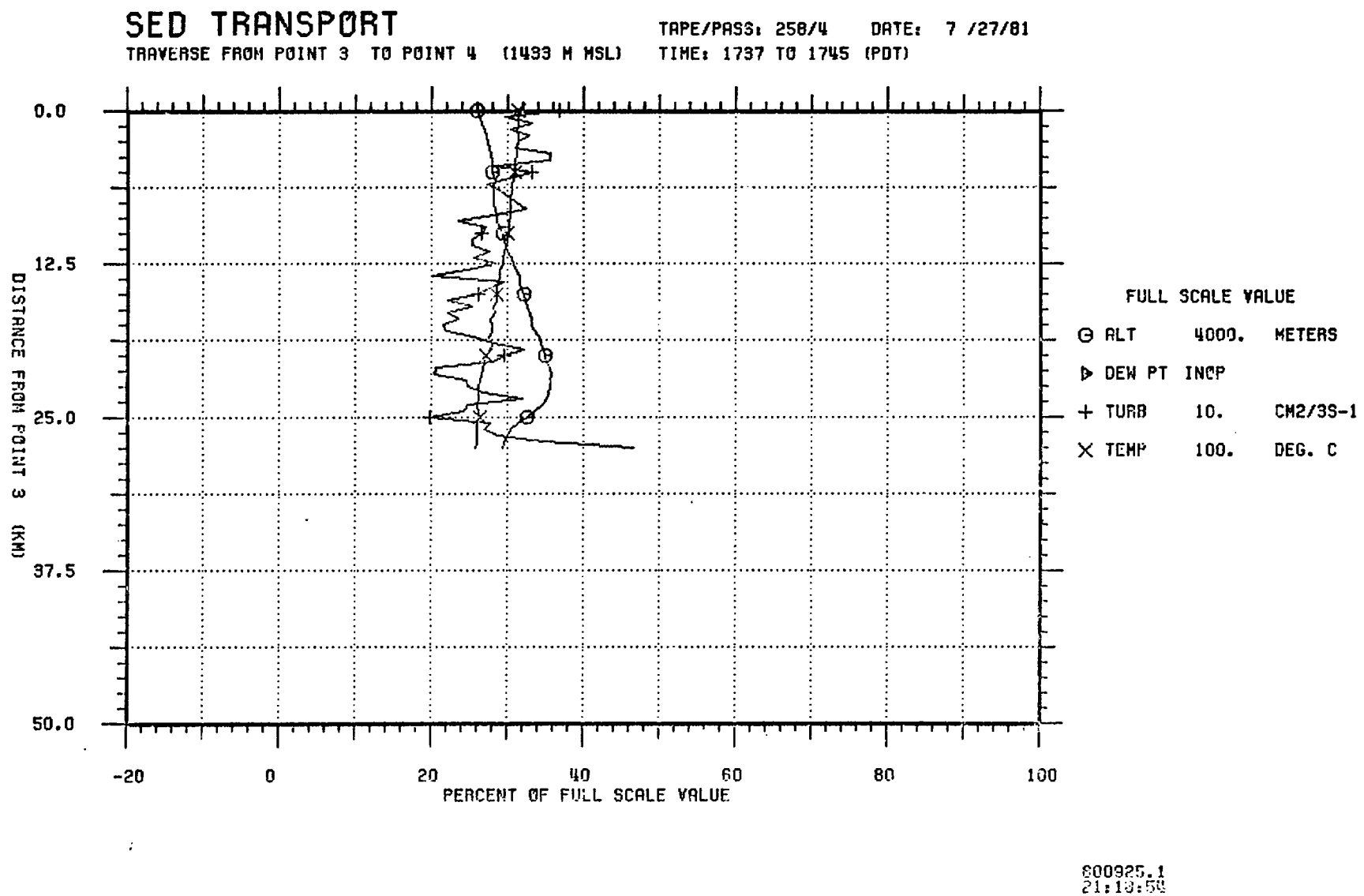

SED TRANSPORT
SPIRAL AT POINT 3
TAPE/PASS: 258/3 DATE: 7 /27/81
TIME: 1712 TO 1733 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
20:51:47


SED TRANSPORT
SPIRAL AT POINT 3
TAPE/PASS: 258/3 DATE: 7 /27/81
TIME: 1712 TO 1733 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
20:51:47


SED TRANSPORT
SPIRAL AT POINT 3
TAPE/PASS: 258/3 DATE: 7 /27/81
TIME: 1712 TO 1733 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT INOP
TURB 10. CM2/3S-1
800925.1
20:51:47


SED TRANSPORT
TRAVERSE FROM POINT 3 TO POINT 4 (1433 M MSL)
TAPE/PASS: 258/4 DATE: 7 /27/81
TIME: 1737 TO 1745 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 3 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
21:10:54


SED TRANSPORT
TRAVERSE FROM POINT 3 TO POINT 4 (1433 M MSL)
TAPE/PASS: 258/4 DATE: 7 /27/81
TIME: 1737 TO 1745 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 3 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
21:18:54

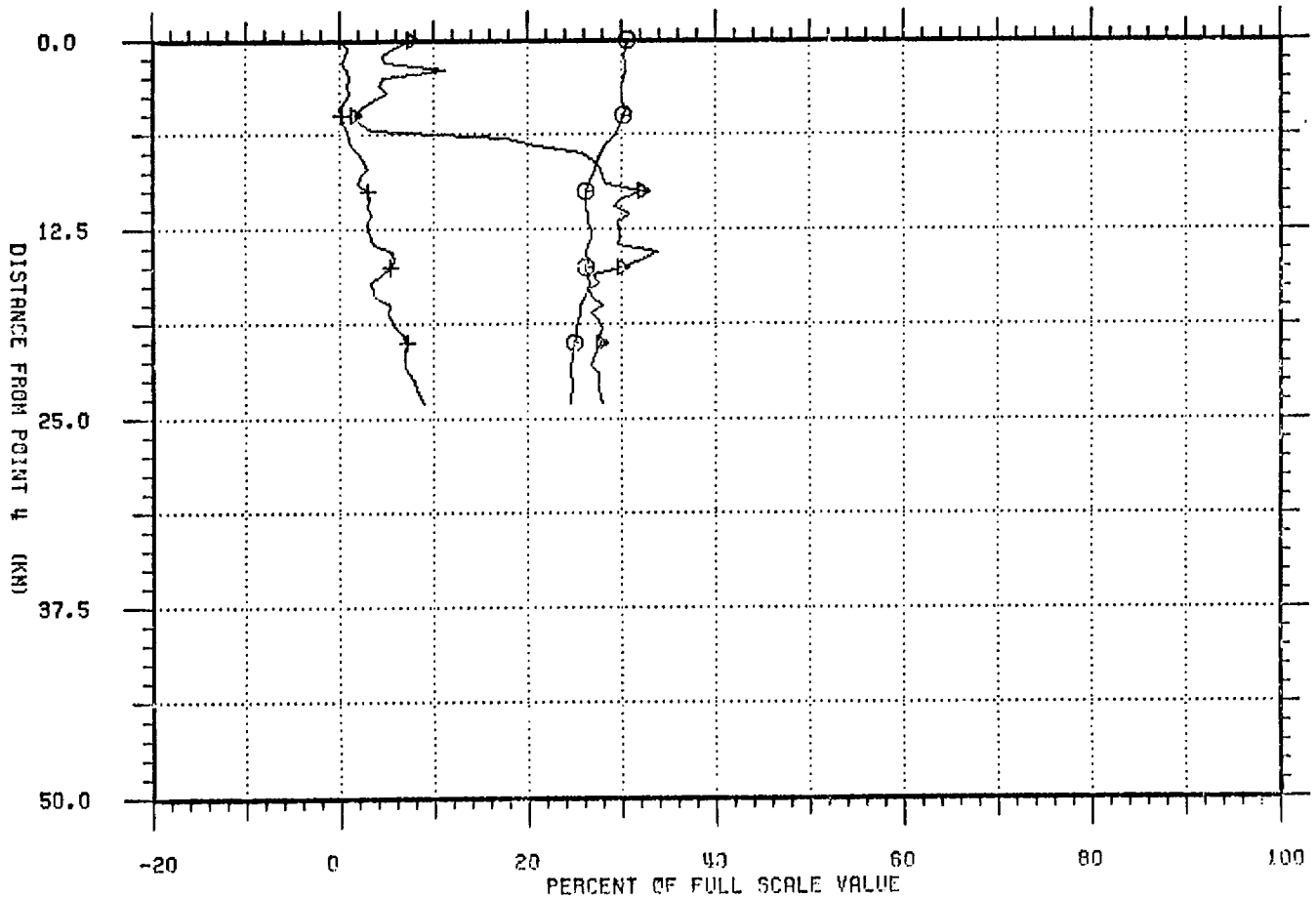

SED TRANSPORT
TRAVERSE FROM POINT 3 TO POINT 4 (1433 M MSL)
TAPE/PASS: 258/4 DATE: 7 /27/81
TIME: 1737 TO 1745 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 3 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT INOP
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800925.1
21:10:59

SED TRANSPORT

TRAVERSE FROM POINT 4 TO POINT 5 (1219 M MSL)

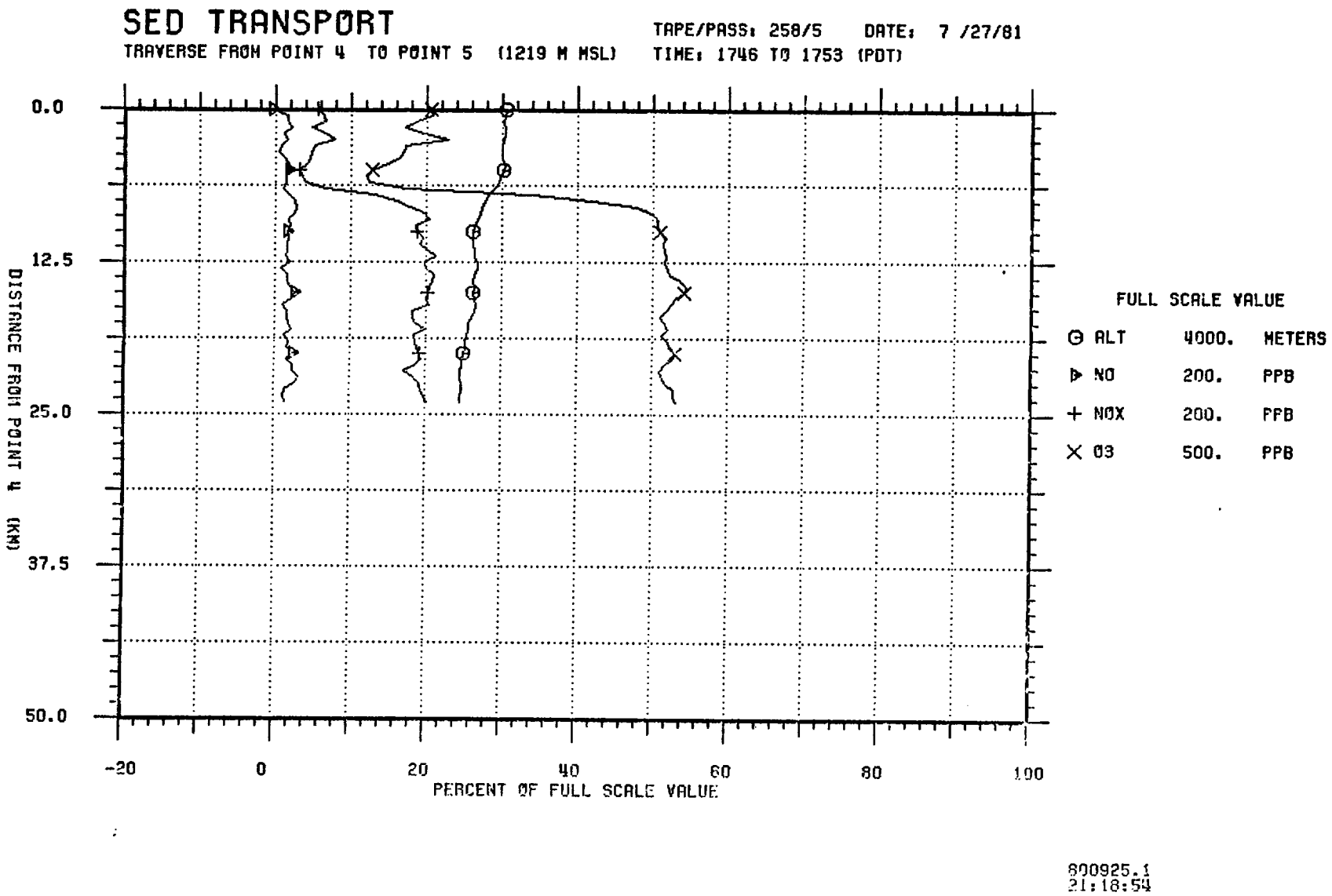
TAPE/PASS: 258/5 DATE: 7 /27/81

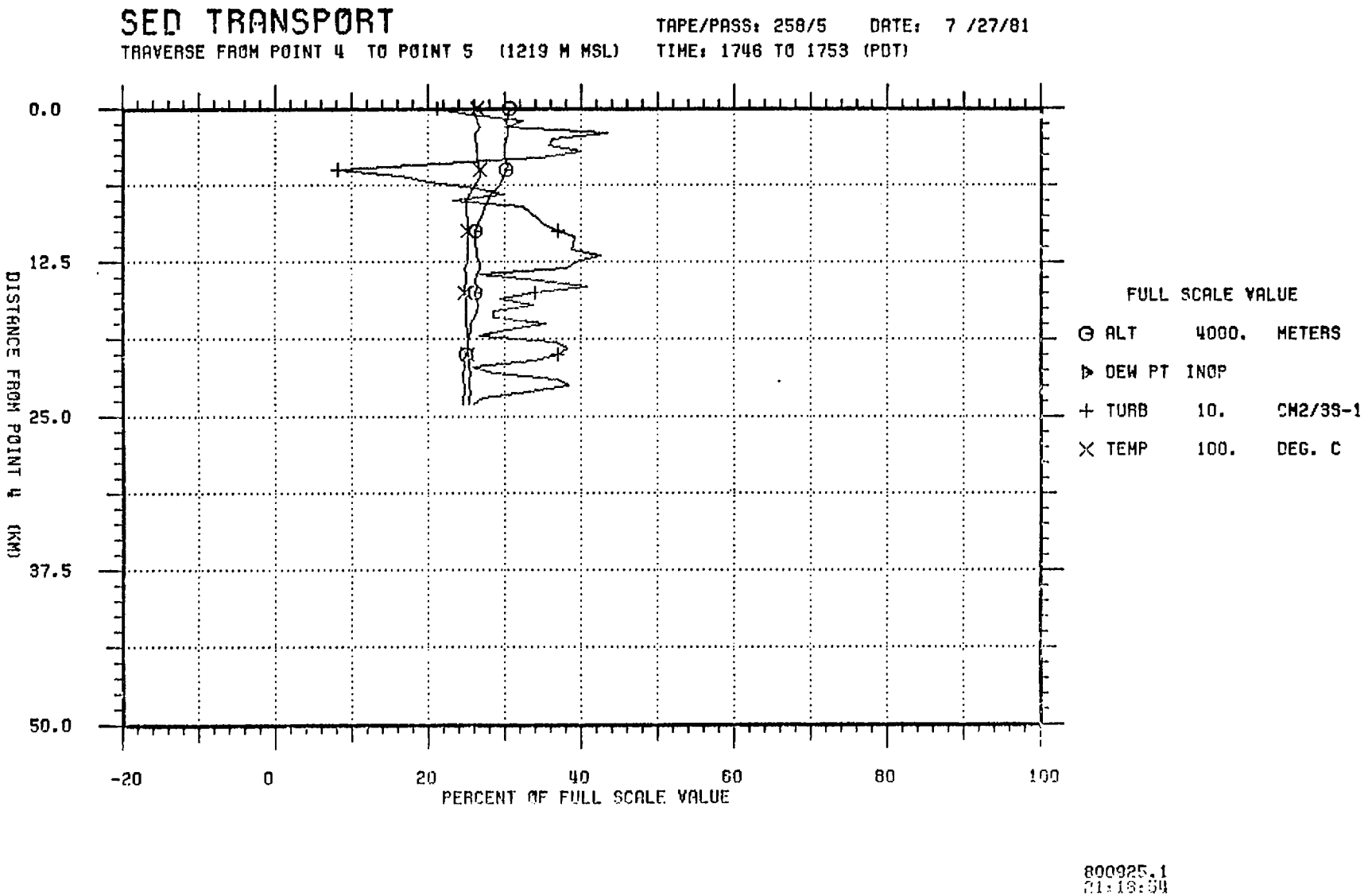
TIME: 1746 TO 1753 (PDT)

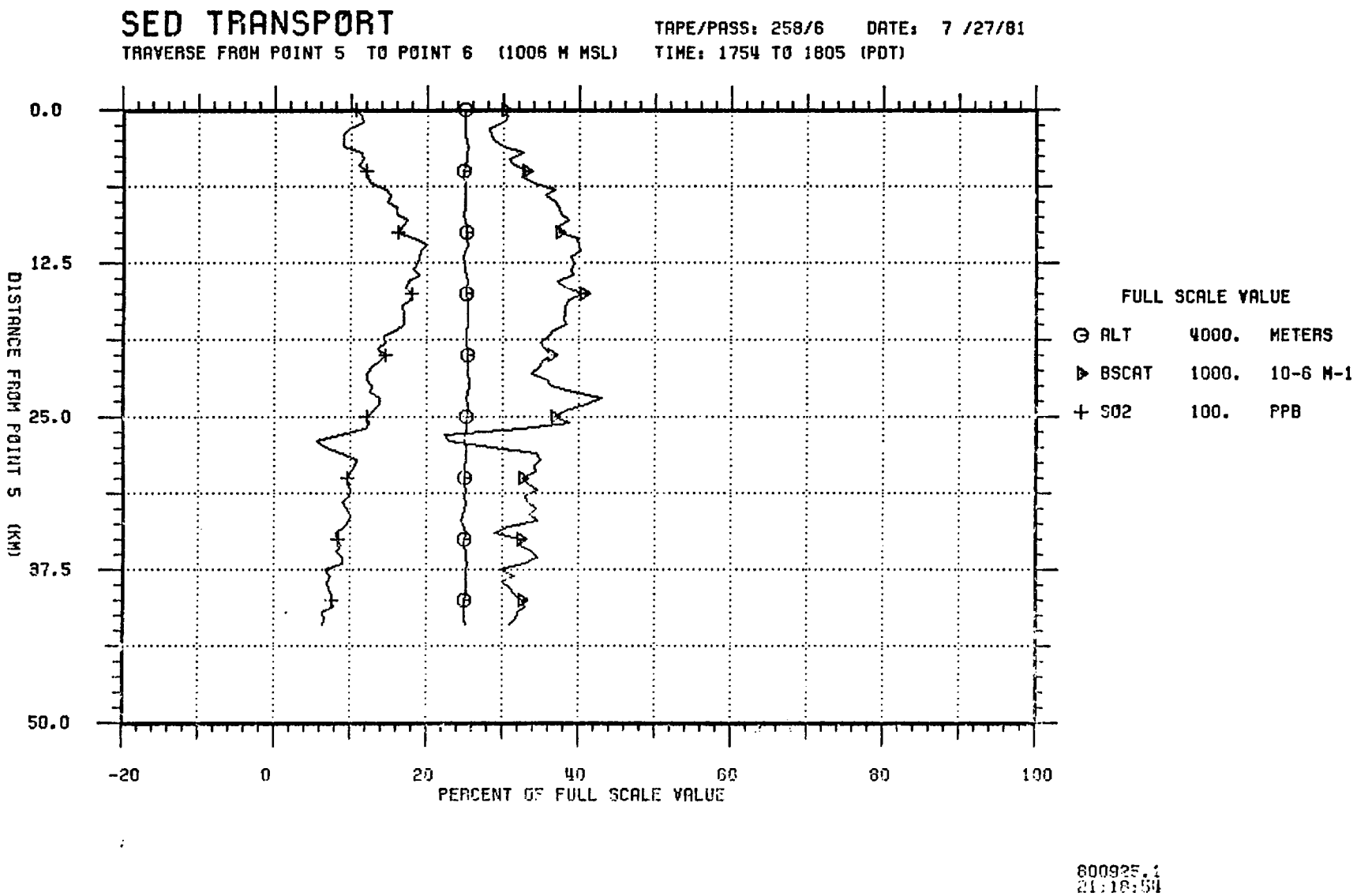


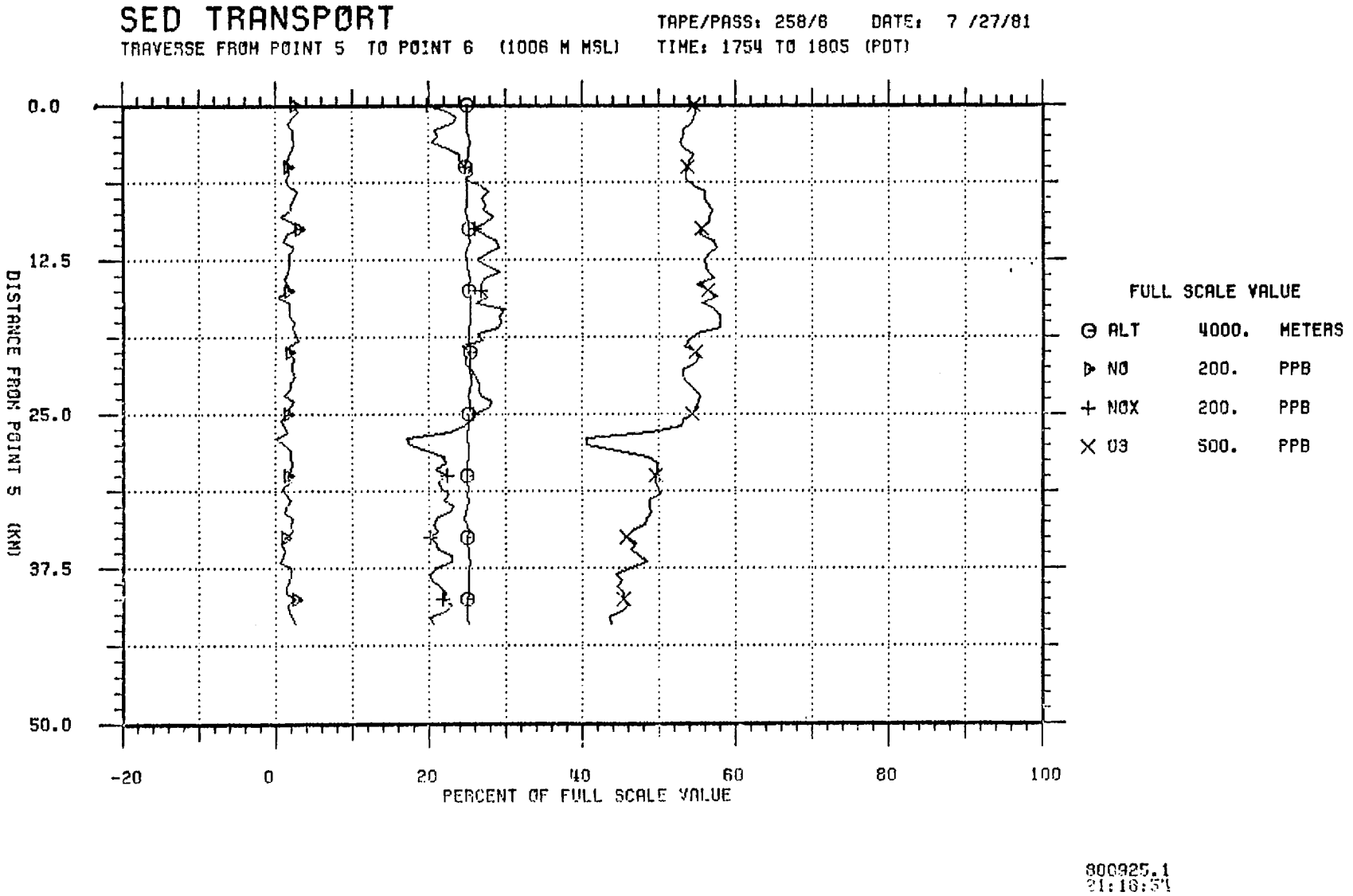
	FULL SCALE VALUE	
⊖ ALT	4000.	METERS
⊳ BSCAT	1000.	10-6 M-1
+ SO2	100.	PPB

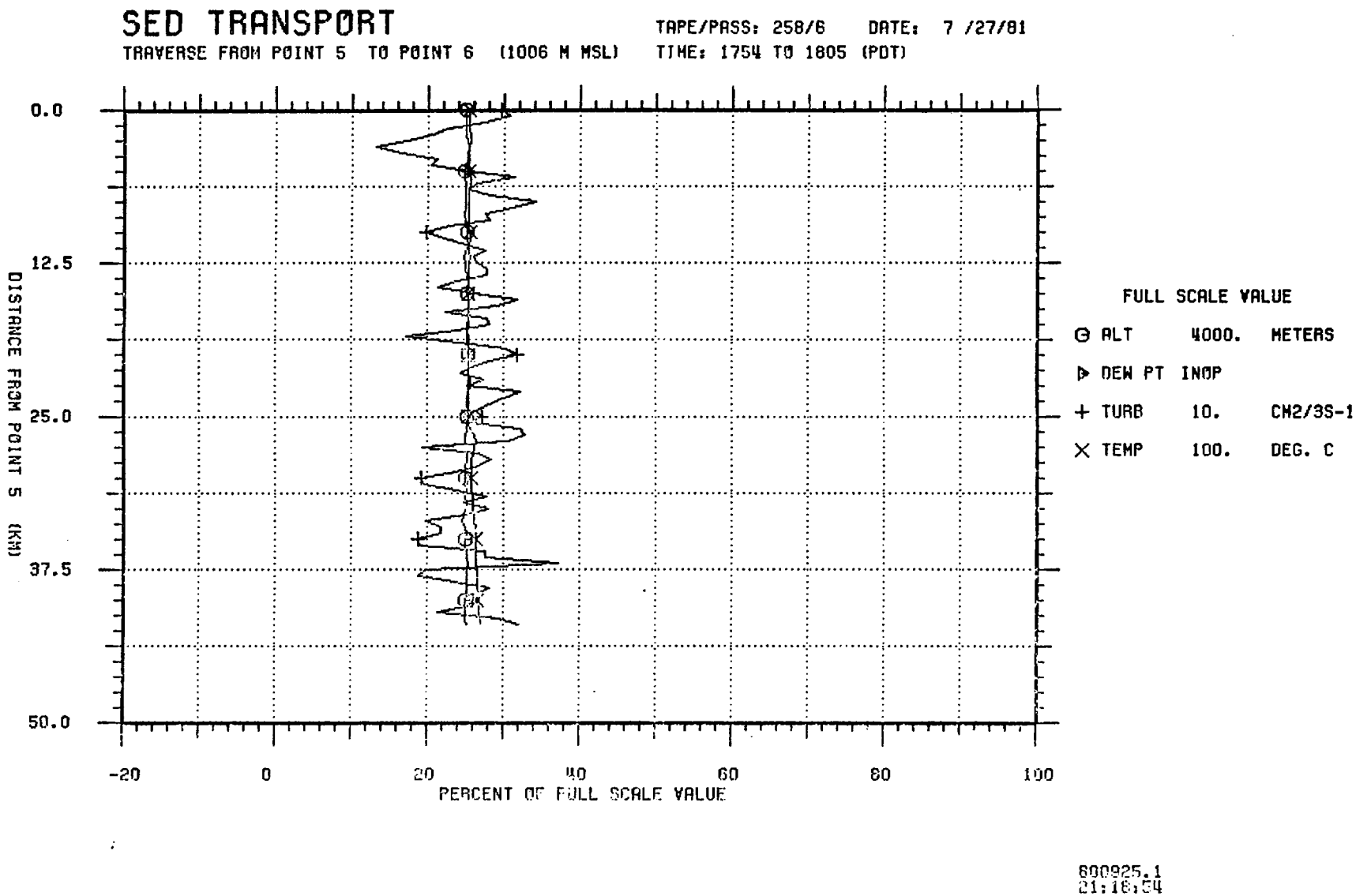
800925.1
21:18:54

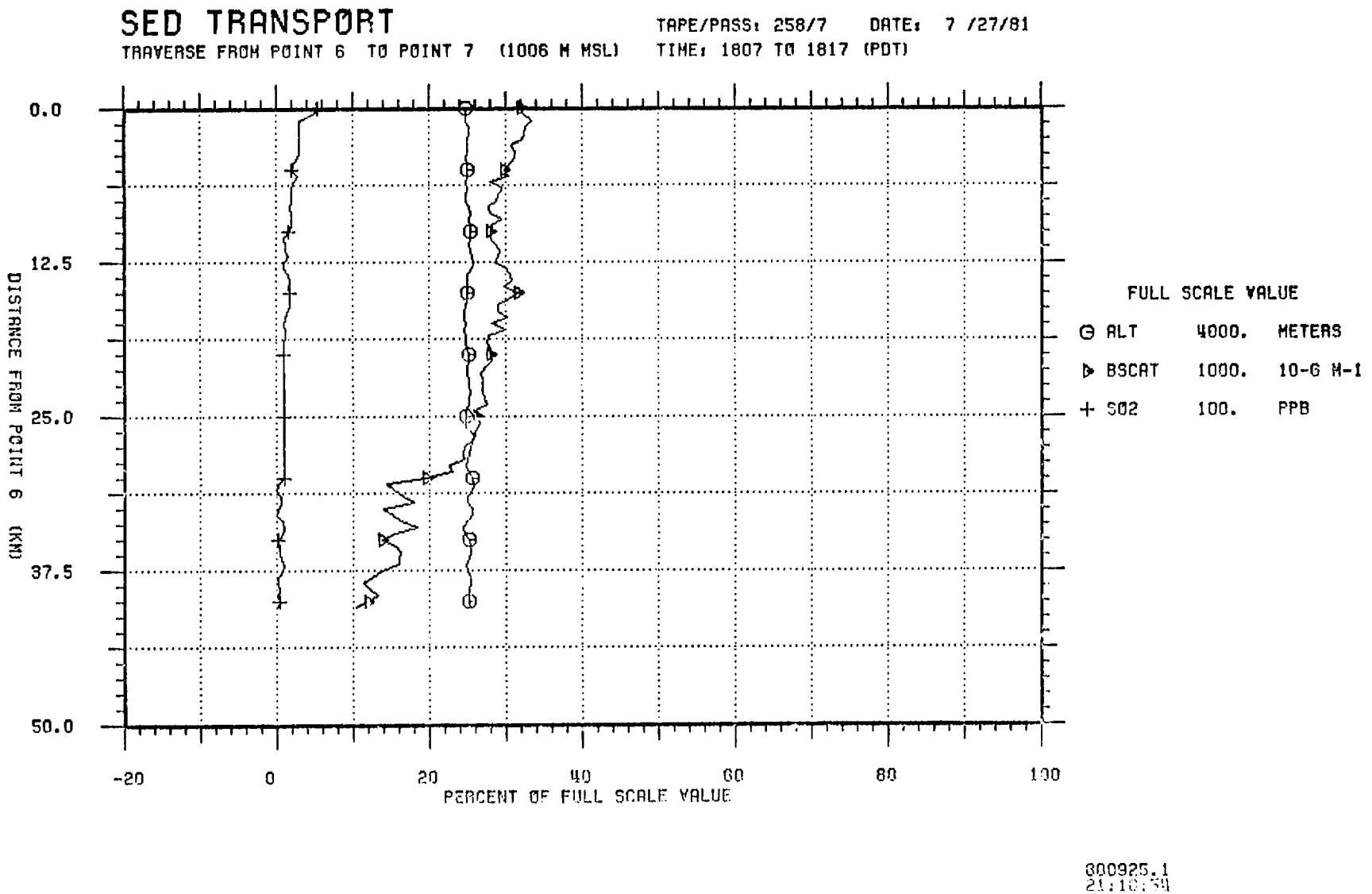

SED TRANSPORT
TRAVERSE FROM POINT 4 TO POINT 5 (1219 M MSL)
TAPE/PASS: 258/5 DATE: 7 /27/81
TIME: 1746 TO 1753 (PDT)
DISTANCE FROM POINT 4 (KM)
0.0
12.5
25.0
37.5
50.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
21:18:54

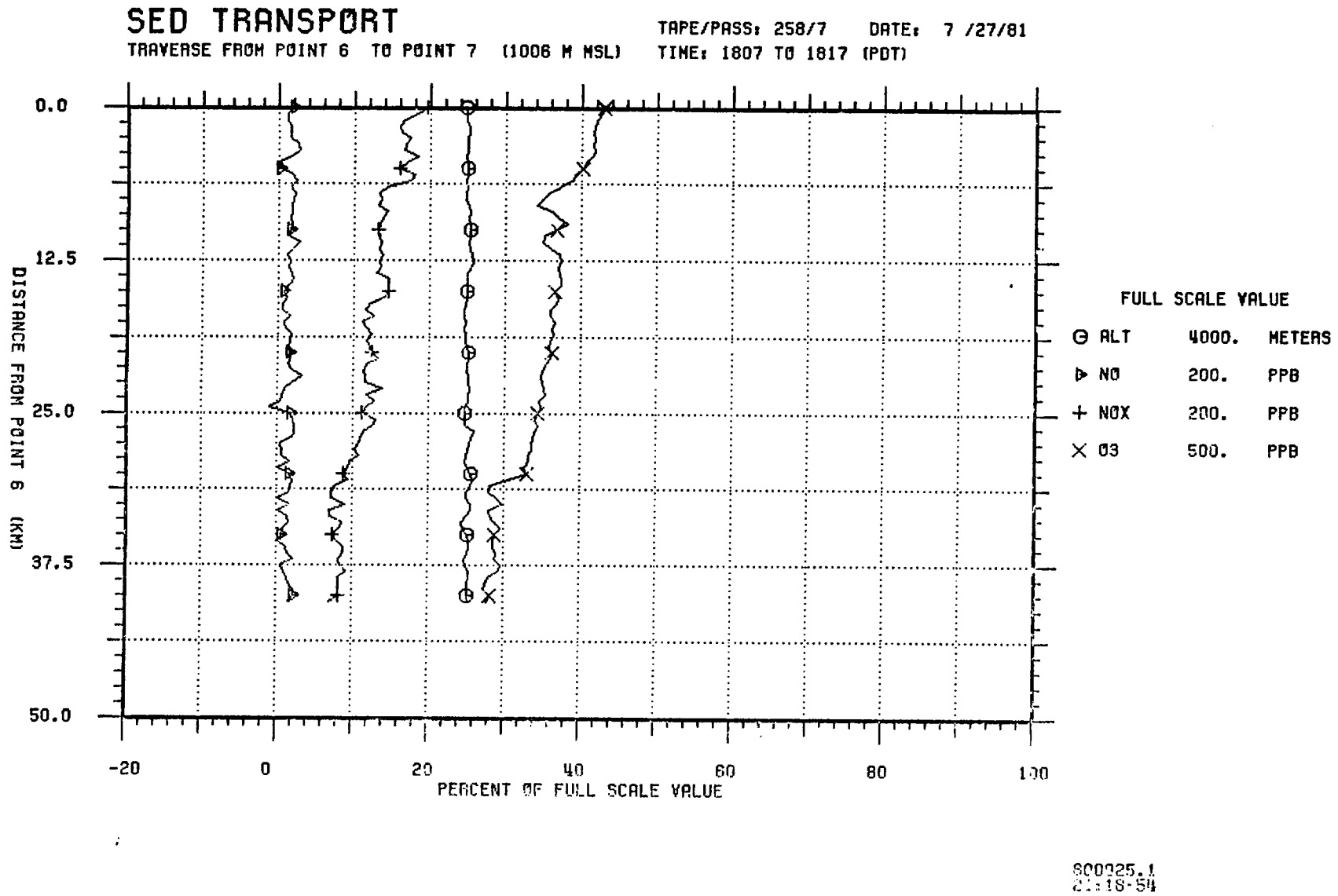

SED TRANSPORT
TRAVERSE FROM POINT 4 TO POINT 5 (1219 M MSL)
TAPE/PASS: 258/5 DATE: 7 /27/81
TIME: 1746 TO 1753 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 4 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT INOP
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800925.1
21:18:54

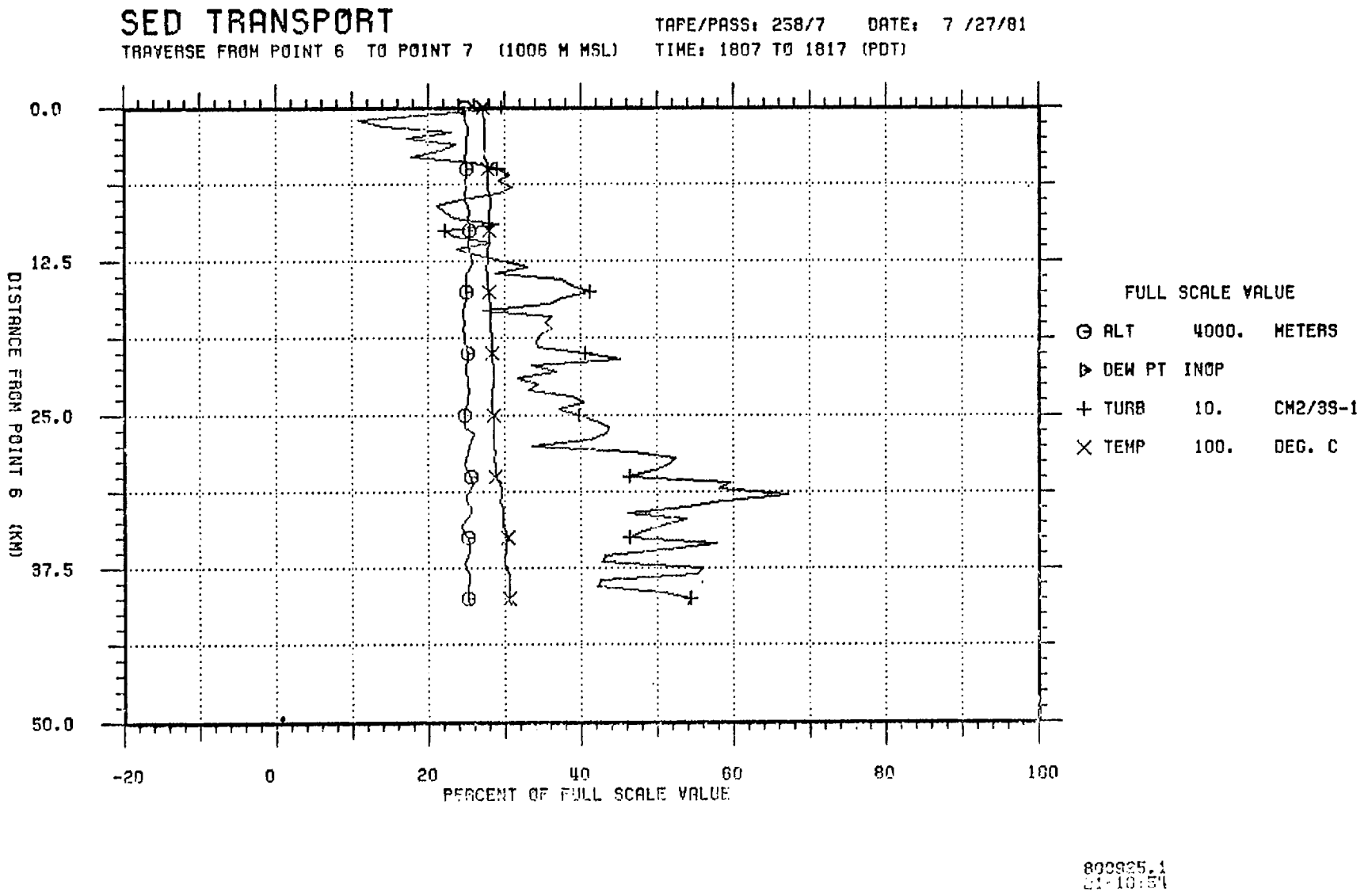

SED TRANSPORT
TRAVERSE FROM POINT 5 TO POINT 6 (1006 M MSL)
TAPE/PASS: 258/6 DATE: 7 /27/81
TIME: 1754 TO 1805 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 5 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
21:18:54

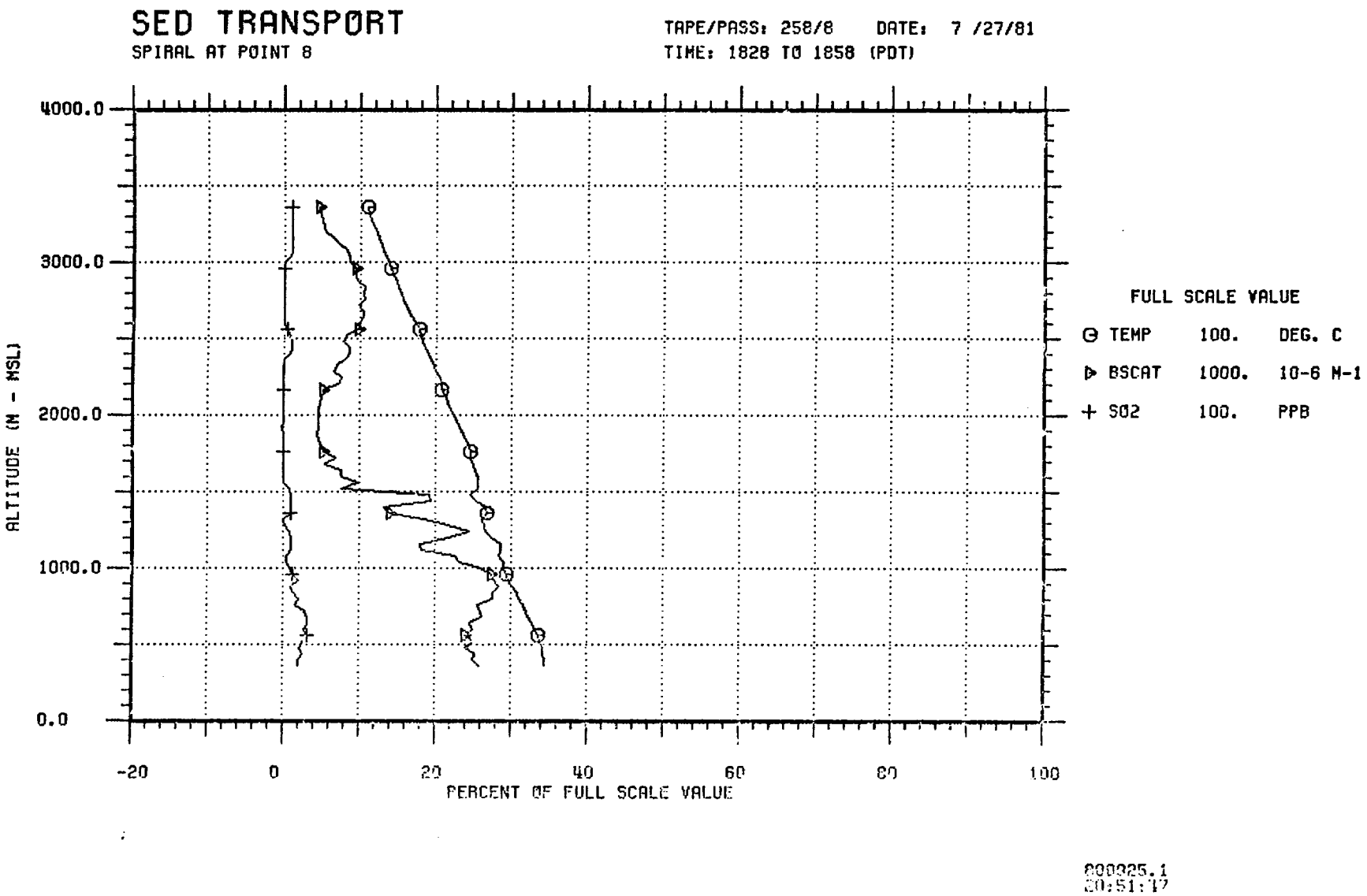

SED TRANSPØRT
TRAVERSE FROM POINT 5 TO POINT 6 (1006 M MSL)
TAPE/PASS: 258/8 DATE: 7 /27/81
TIME: 1754 TO 1805 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 5 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
21:16:51

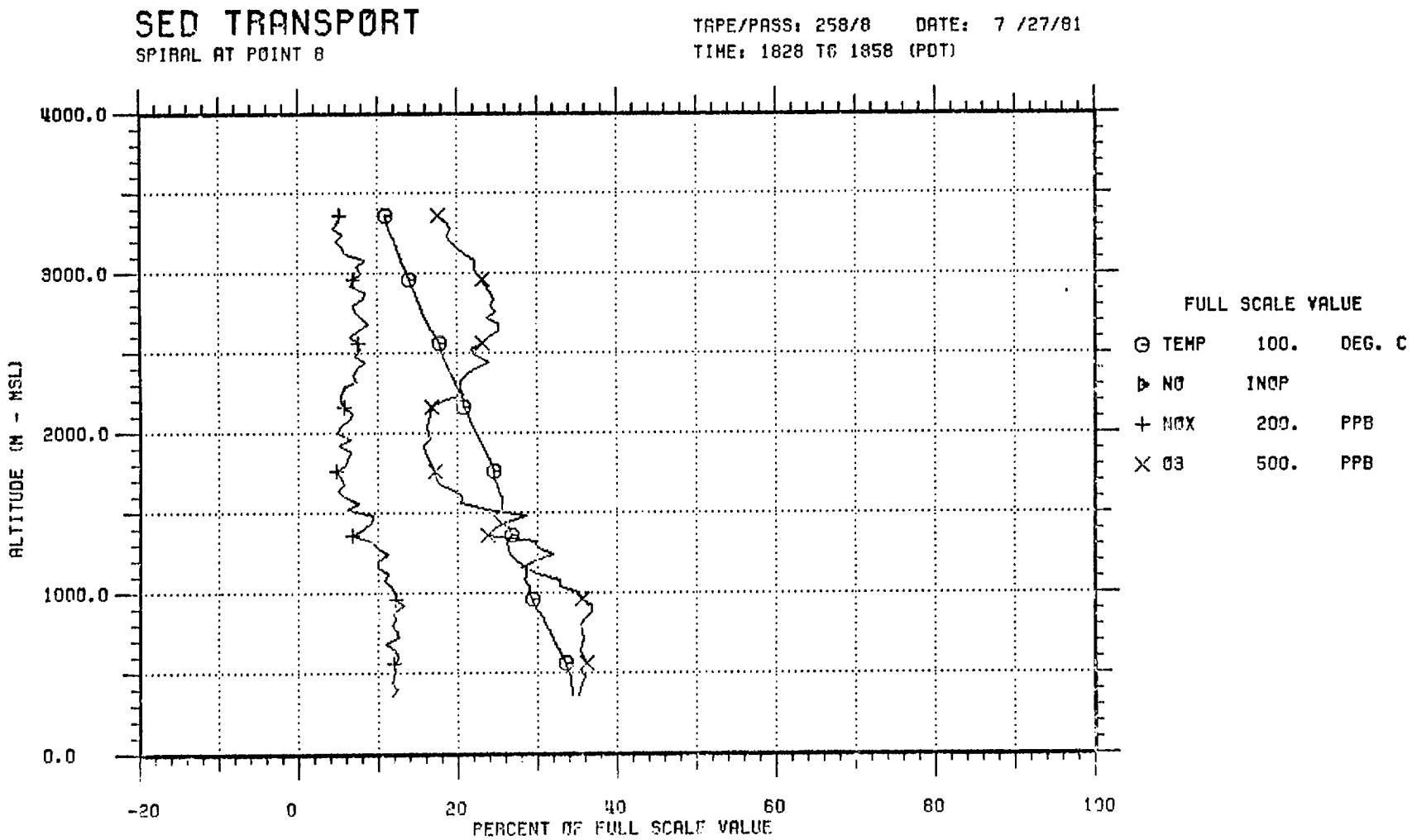

SED TRANSPORT
TRAVERSE FROM POINT 5 TO POINT 6 (1006 M MSL)
TAPE/PASS: 258/6 DATE: 7 /27/81
TIME: 1754 TO 1805 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 5 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT INOP
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800925.1
21:18:54

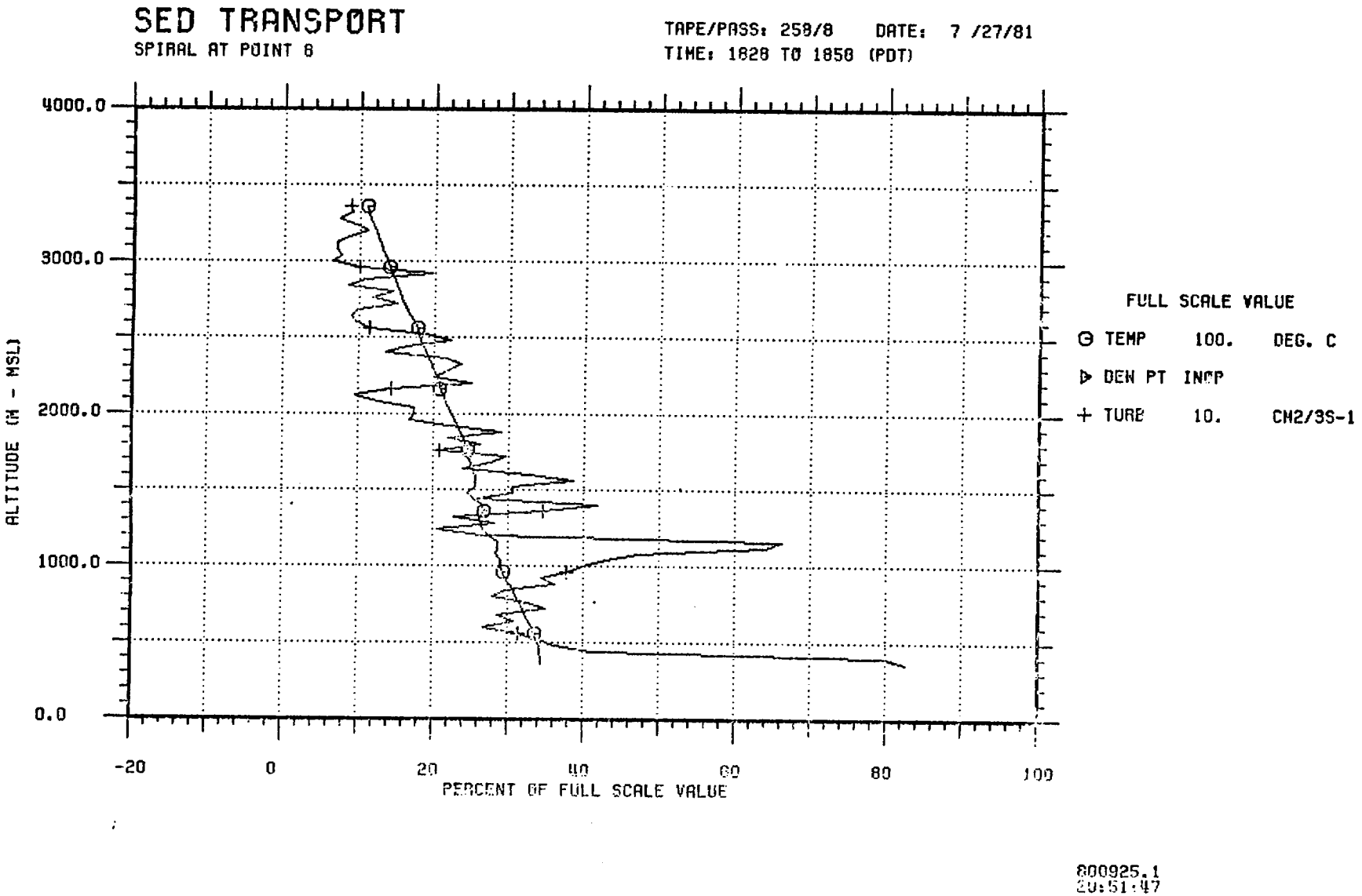

SED TRANSPORT
TRAVERSE FROM POINT 6 TO POINT 7 (1006 M MSL)
TAPE/PASS: 258/7 DATE: 7 /27/81
TIME: 1807 TO 1817 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 6 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
21:10:34

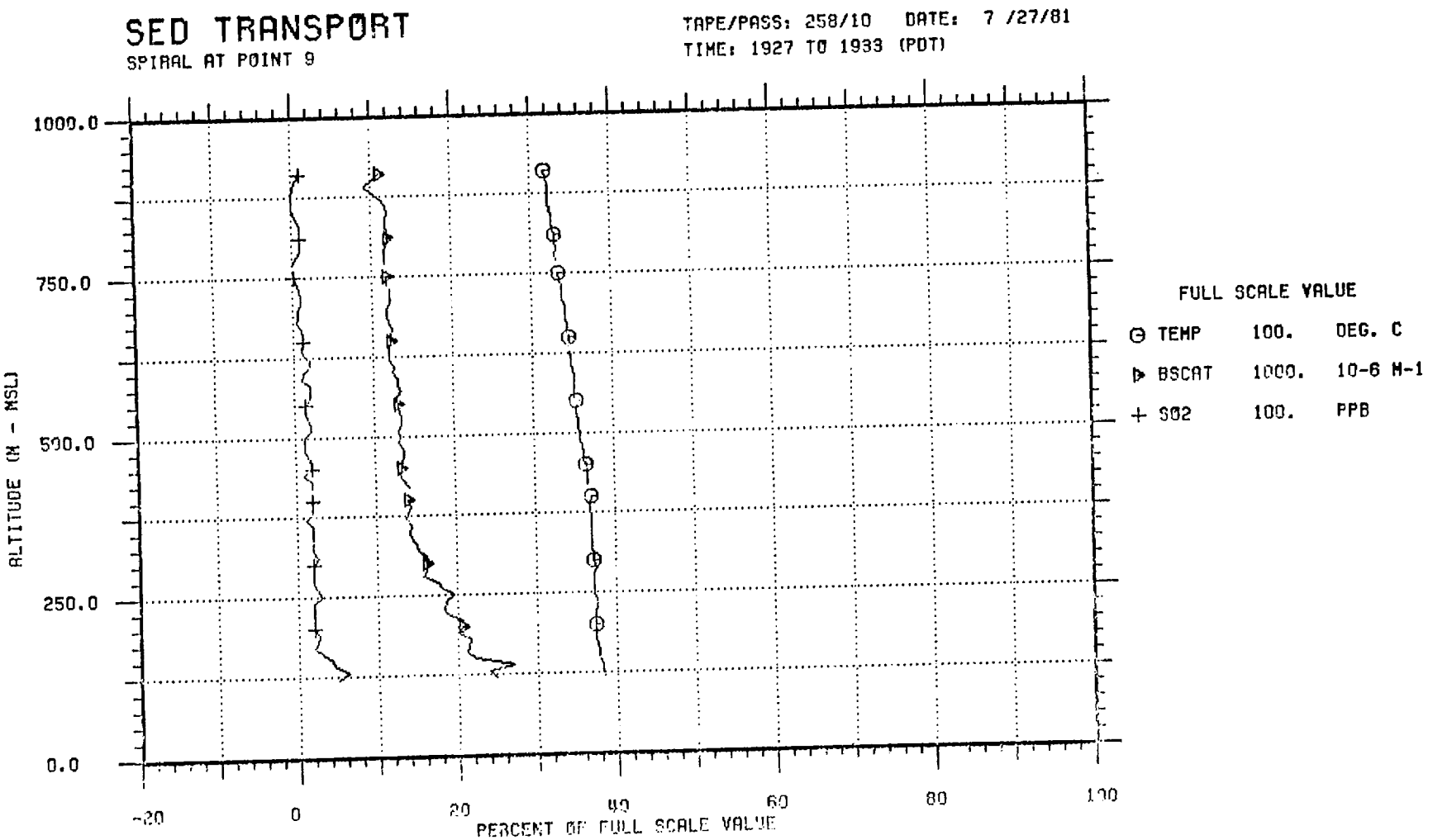

SED TRANSPORT
TRAVERSE FROM POINT 6 TO POINT 7 (1006 M MSL)
TAPE/PASS: 258/7 DATE: 7 /27/81
TIME: 1807 TO 1817 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 6 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
S00925.1
21:18:54

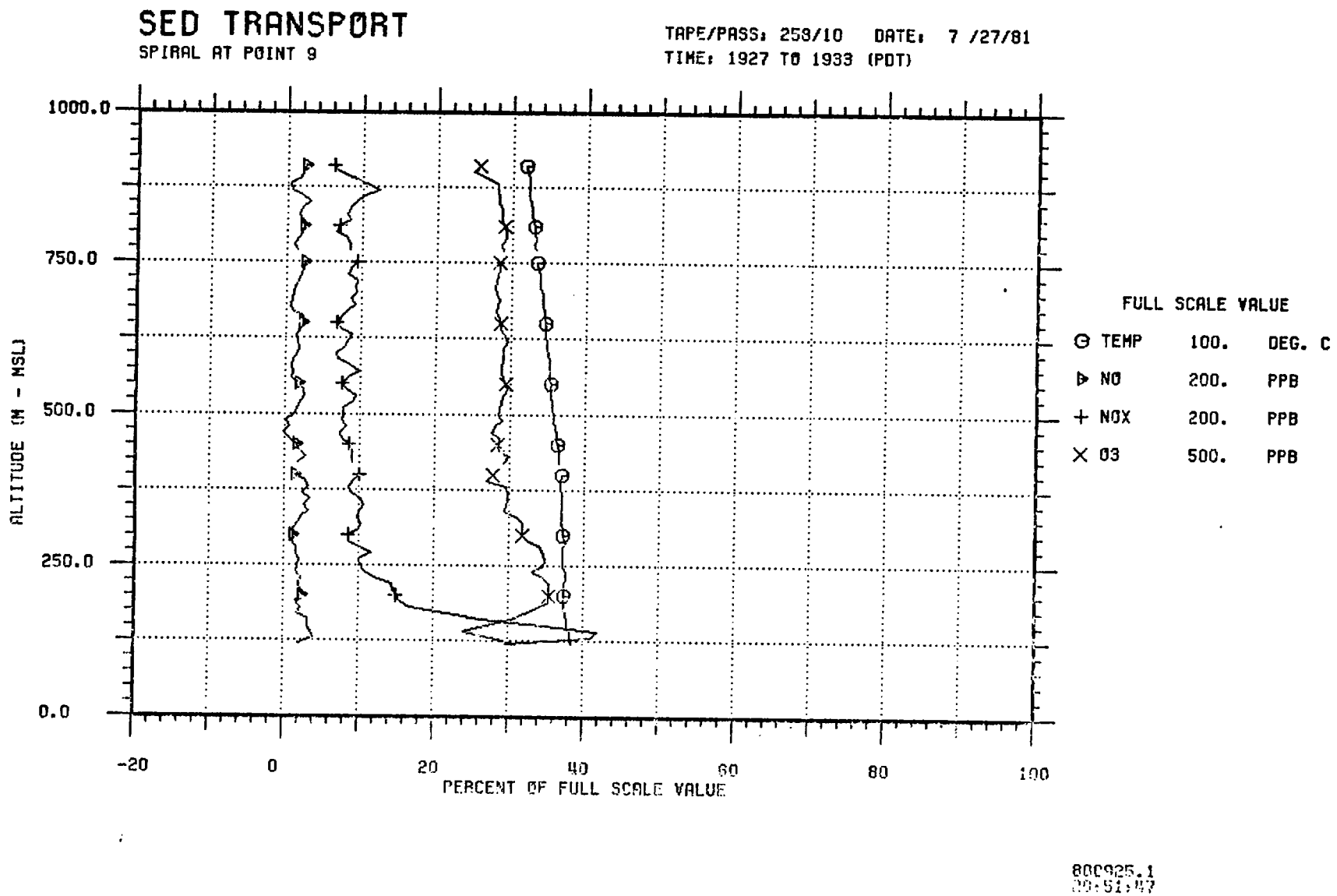

SED TRANSPØRT
TAPE/PASS: 258/7 DATE: 7 /27/81
TRAVERSE FROM POINT 6 TO POINT 7 (1006 M MSL) TIME: 1807 TO 1817 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 6 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT INOP
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800825.1
21:10:54


SED TRANSPORT
SPIRAL AT POINT 8
TAPE/PASS: 258/8 DATE: 7 /27/81
TIME: 1828 TO 1858 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800825.1
20:51:17


SED TRANSPORT
SPIRAL AT POINT 8
TAPE/PASS: 258/8 DATE: 7 /27/81
TIME: 1828 TO 1858 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO INOP
NOX 200. PPB
O3 500. PPB
803925.1
20:51:47


SED TRANSPORT
SPIRAL AT POINT 6
TAPE/PASS: 259/8 DATE: 7 /27/81
TIME: 1828 TO 1858 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT INOP
TURB 10. CM2/3S-1
800925.1
20:51:47

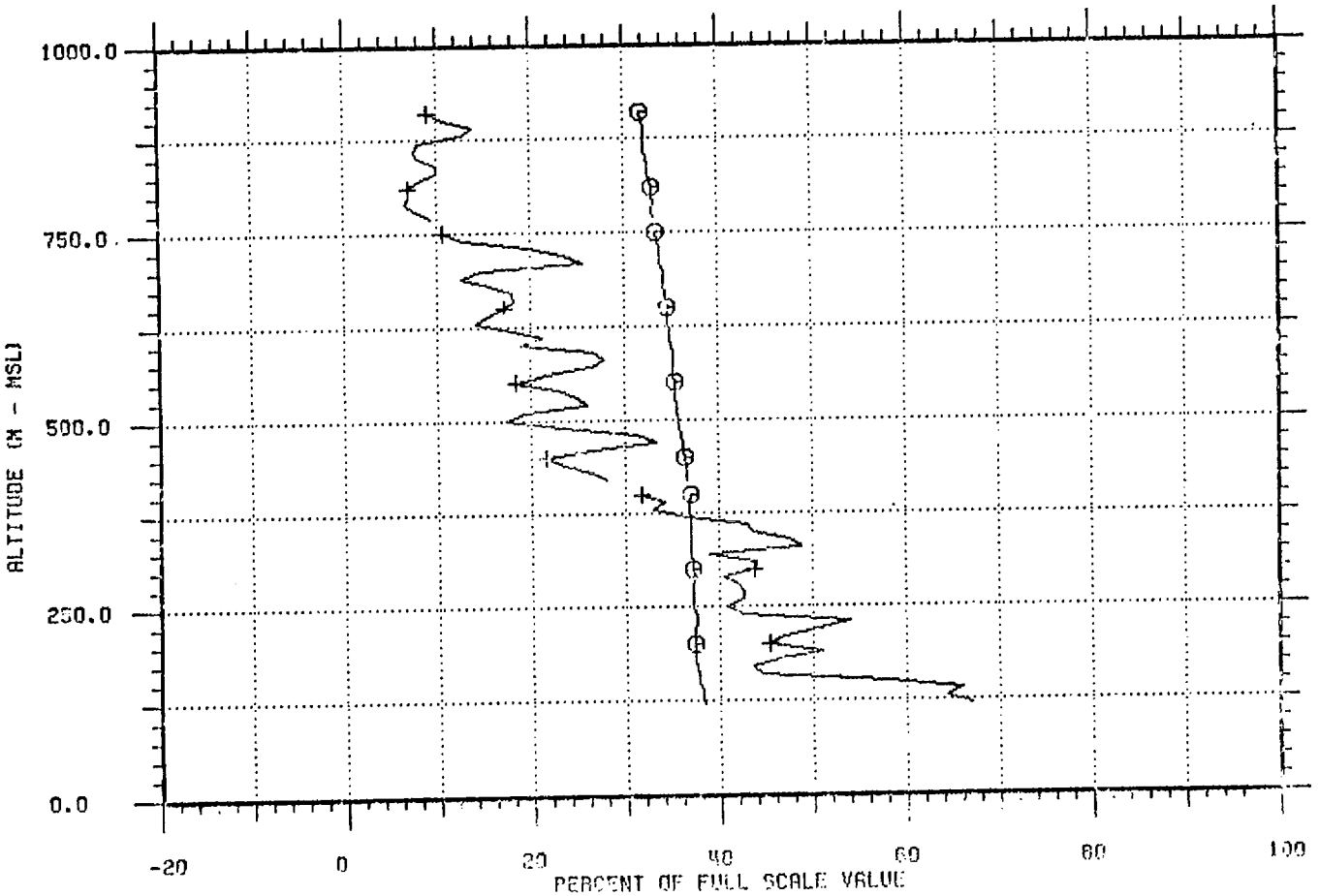

SED TRANSPORT
SPIRAL AT POINT 9
TAPE/PASS: 258/10 DATE: 7 /27/81
TIME: 1927 TO 1933 (PDT)
1000.0
750.0
500.0
250.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB


SED TRANSPORT
SPIRAL AT POINT 9
TAPE/PASS: 258/10 DATE: 7 /27/81
TIME: 1927 TO 1933 (PDT)
1000.0
750.0
500.0
250.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
09:51:47

SED TRANSPORT

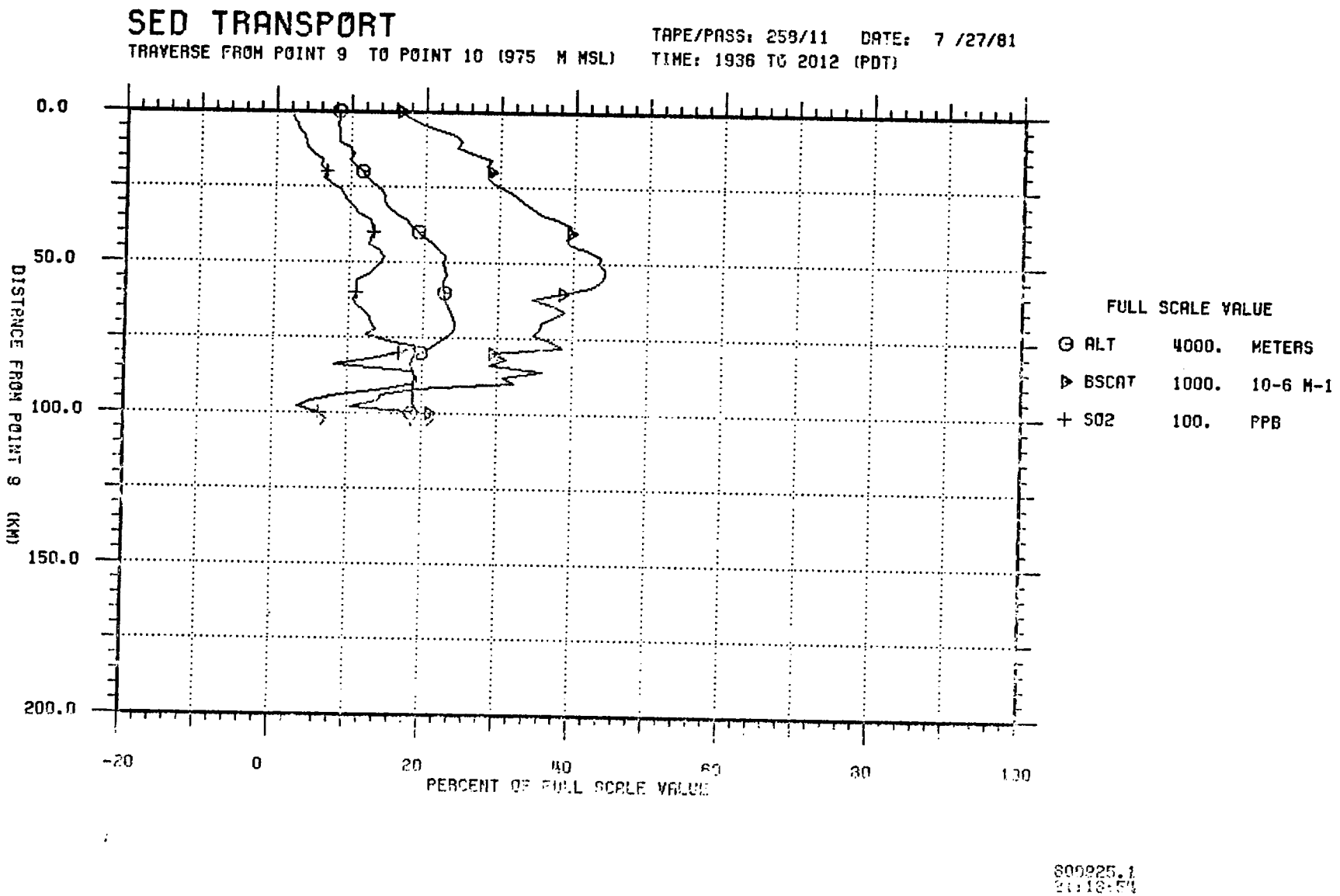
SPIRAL AT POINT 9

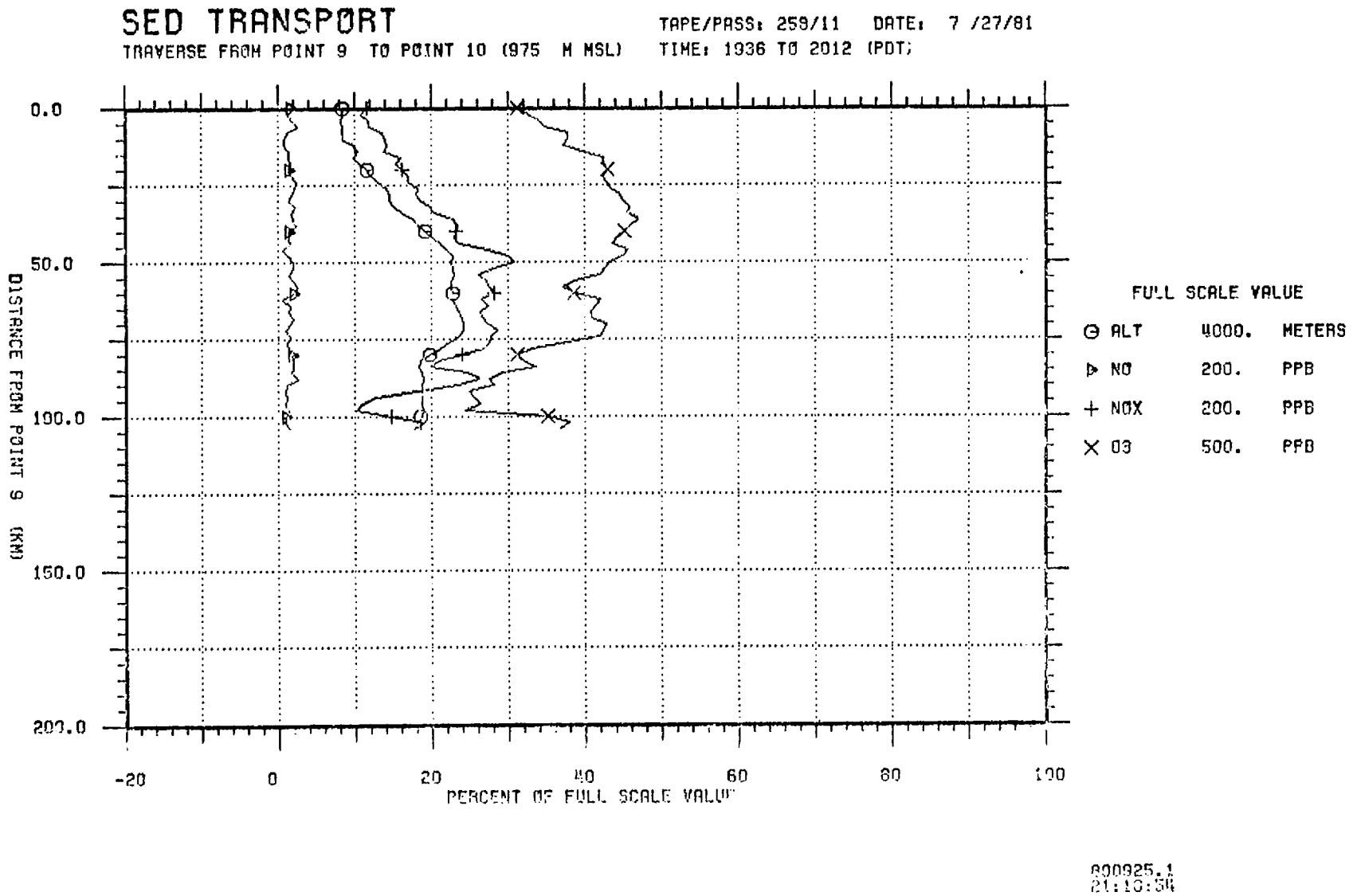
TAPE/PASS: 258/10 DATE: 7 /27/81
TIME: 1927 TO 1933 (PDT)

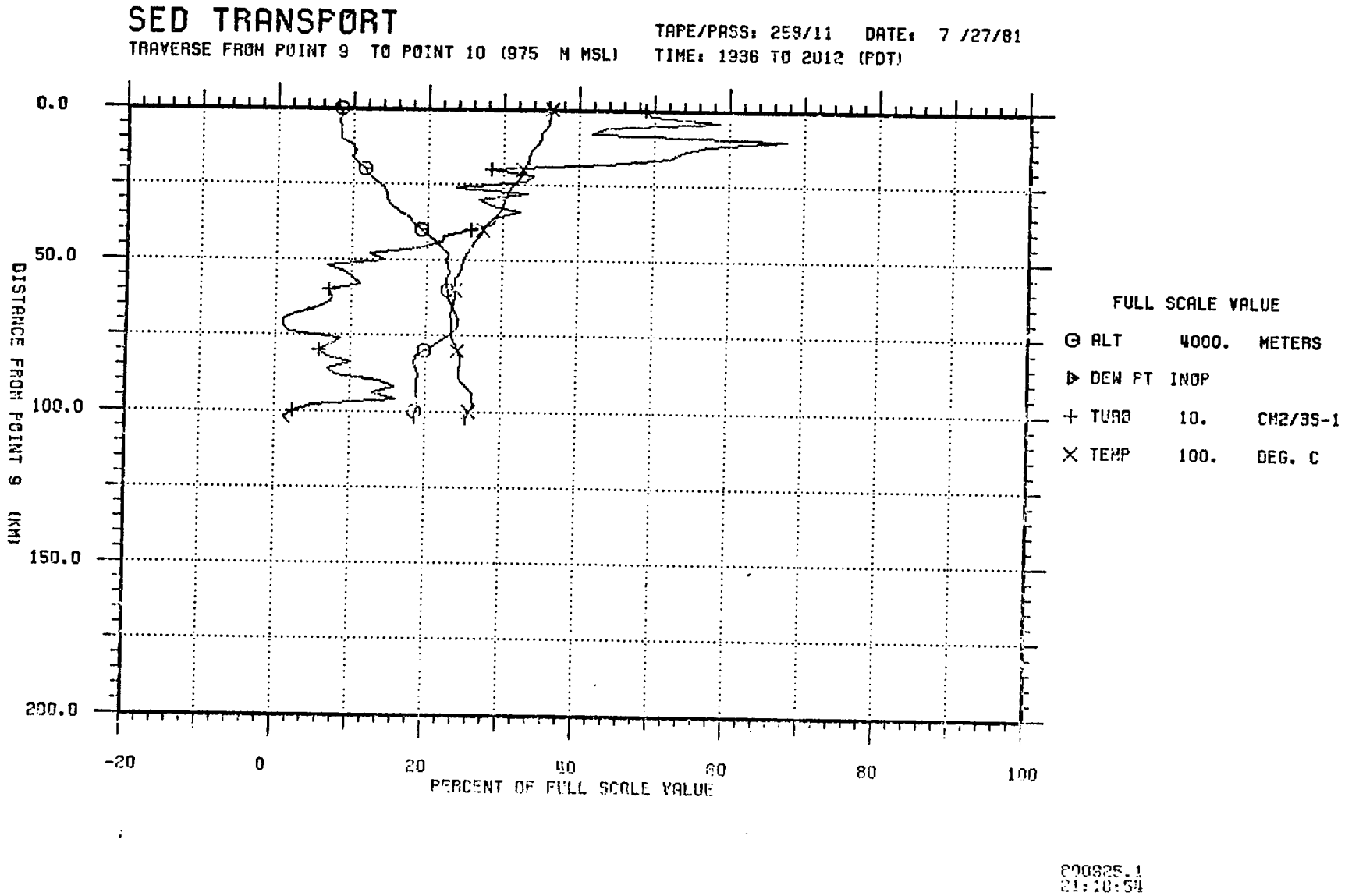


	FULL SCALE VALUE	
⊖ TEMP	100.	DEG. C
▷ DEW PT	INOP	
+ TURB	10.	CM2/3S-1

800825.1
23:51:42


SED TRANSPORT
TRAVERSE FROM POINT 9 TO POINT 10 (975 M MSL)
TAPE/PASS: 259/11 DATE: 7 /27/81
TIME: 1936 TO 2012 (PDT)
0.0
50.0
100.0
150.0
200.0
DISTANCE FROM POINT 9 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
S00225.1
21:13:54


SED TRANSPORT
TRAVERSE FROM POINT 9 TO POINT 10 (975 M MSL)
TAPE/PASS: 259/11 DATE: 7 /27/81
TIME: 1936 TO 2012 (PDT)
0.0
50.0
100.0
150.0
200.0
DISTANCE FROM POINT 9 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
21:10:50


SED TRANSPORT
TRAVERSE FROM POINT 9 TO POINT 10 (975 M MSL)
TAPE/PASS: 259/11 DATE: 7 /27/81
TIME: 1936 TO 2012 (PDT)
0.0
50.0
100.0
150.0
200.0
DISTANCE FROM POINT 9 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT INOP
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800825.1
21:10:54

TEST 6 - JULY 30-31, 1981

MRI FLIGHT SUMMARY

Date: July 30, 1981

SOUTHEAST DESERT OZONE TRANSPORT STUDY

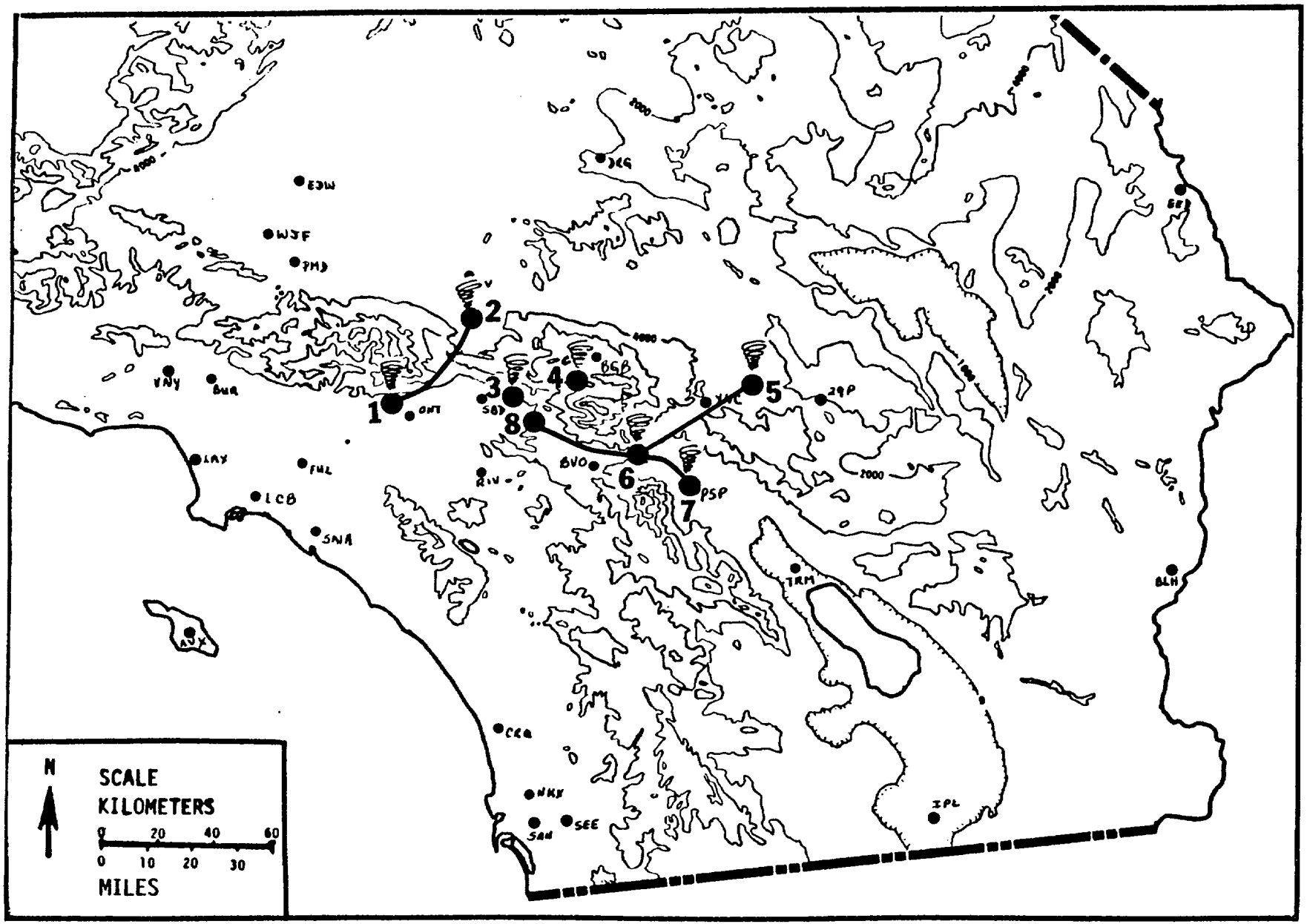
Tape #: 259

Pass No.	Sampling Times (PDT) Start	End	Flight Type	End Points	Sampling Altitude m MSL Start	End	Traverse Length or Orbit Time	Tracer Samples	COMMENTS
1	1513	1529	Traverse	1 - 2	640	1463	48.3 Km.	I1-18	
2	1532	1549	Spiral	2	1006	2743	N.A.	I19-31	Sfc Elev = 998 m
3	1603	1617	Spiral	3	2743	884	N.A.	I39-54	Sfc Elev = 442 m Data system crash
4	1626	1634	Spiral	3	451	1524	N.A.	0	Redid bottom part of Pass 3
5	1655	1706	Spiral	4	3658	1737	N.A.	I55-67	Bottom of canyon ≈1556 m
6	1734	1756	Spiral	5	3962	701	N.A.	I68-90	Sfc Elev = 694 m
7	1759	1816	Traverse	5 - 6	610	1372	46.7 Km.	I91-108	Within 305 m of terrain
8	1818	1838	Spiral	6	366	2134	N.A.	I109-121	Sfc Elev = 351 m
9	1845	1900	Spiral	7	2134	107	N.A.	I122-135	Sfc Elev = 107 m Airplane landed for 2 hrs
10	2121	2139	Spiral	7	104	2134	N.A.	I136-150	Sfc Elev = 104 m
11	2140	2156	Zero Spiral		2134	116	N.A.	0	Instrument calibration
12	2159	2218	Traverse	7 - 8	305	975	62.1 Km.	I151-163	Within 305 m of terrain

30 July 1981 Tape #259

TRAVERSE END POINT AND SPIRAL LOCATIONS

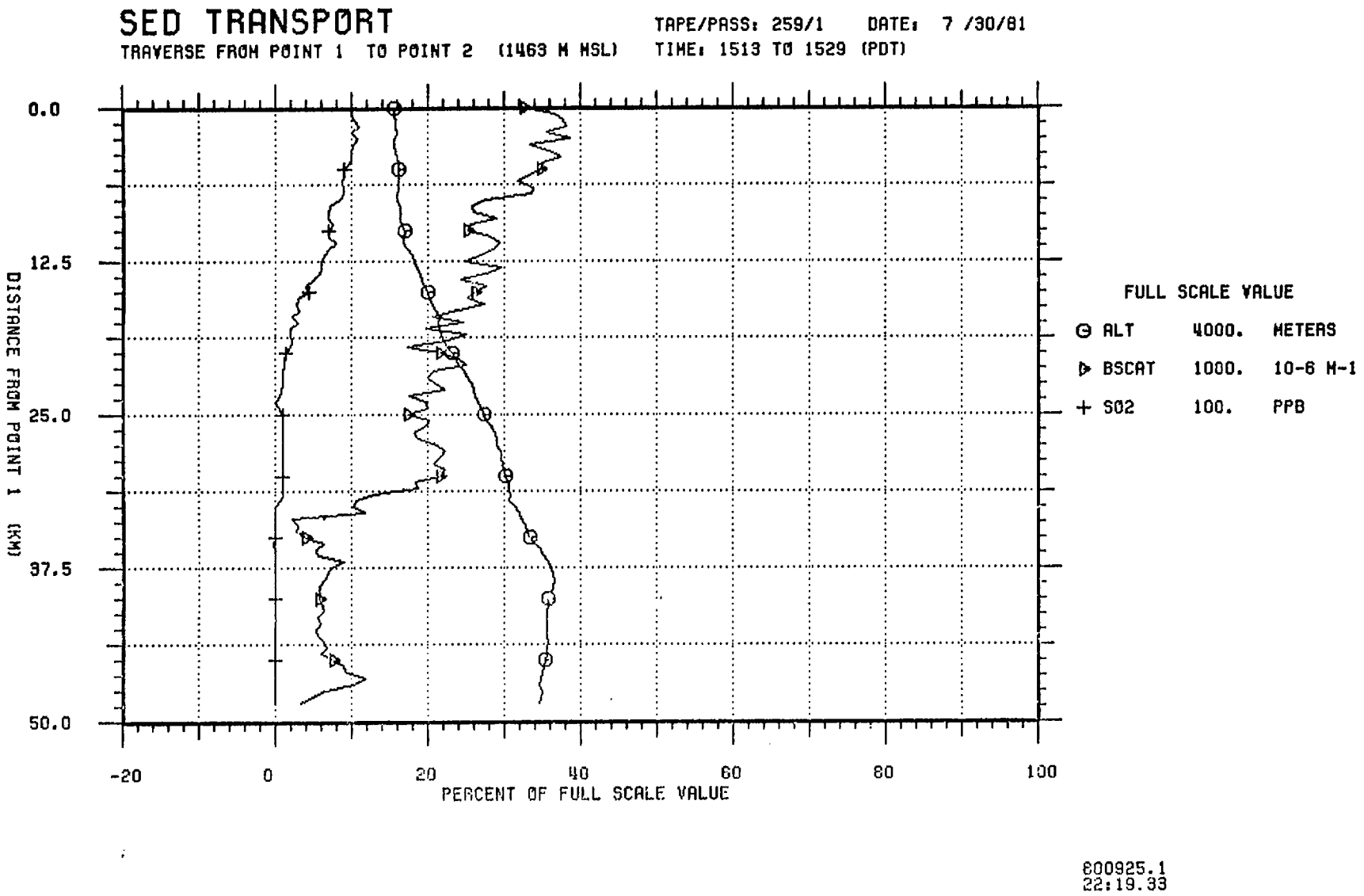
POINT	LATITUDE	LONGITUDE	DESCRIPTION
1	34°07.0'	117°41'	Cable Airport
2	34°22.5'	117°18.5'	Hesperia
3	34°05.0'	117°8.8'	Redlands Airport
4	34°10.0'	116°55.5'	Santa Ana River Canyon
5	34°9.0'	116°15.2'	High Desert Airport
6	33° 55.2'	116°40.5'	Intersection of Hwys 10 & 111
7	33°49.5'	116°30.5'	Palm Springs Airport
8	34°01.2'	117°06.0'	Downtown Redlands

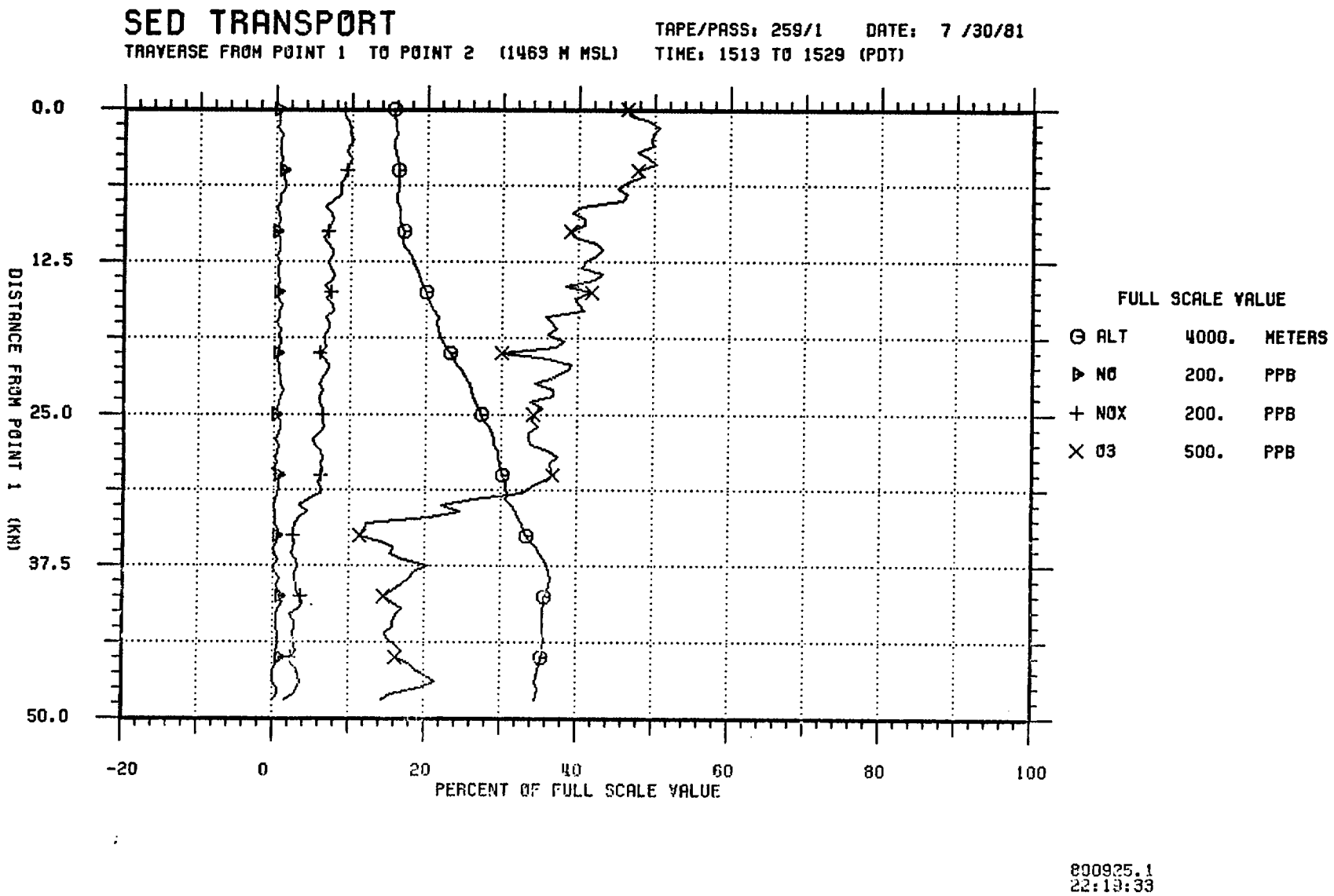


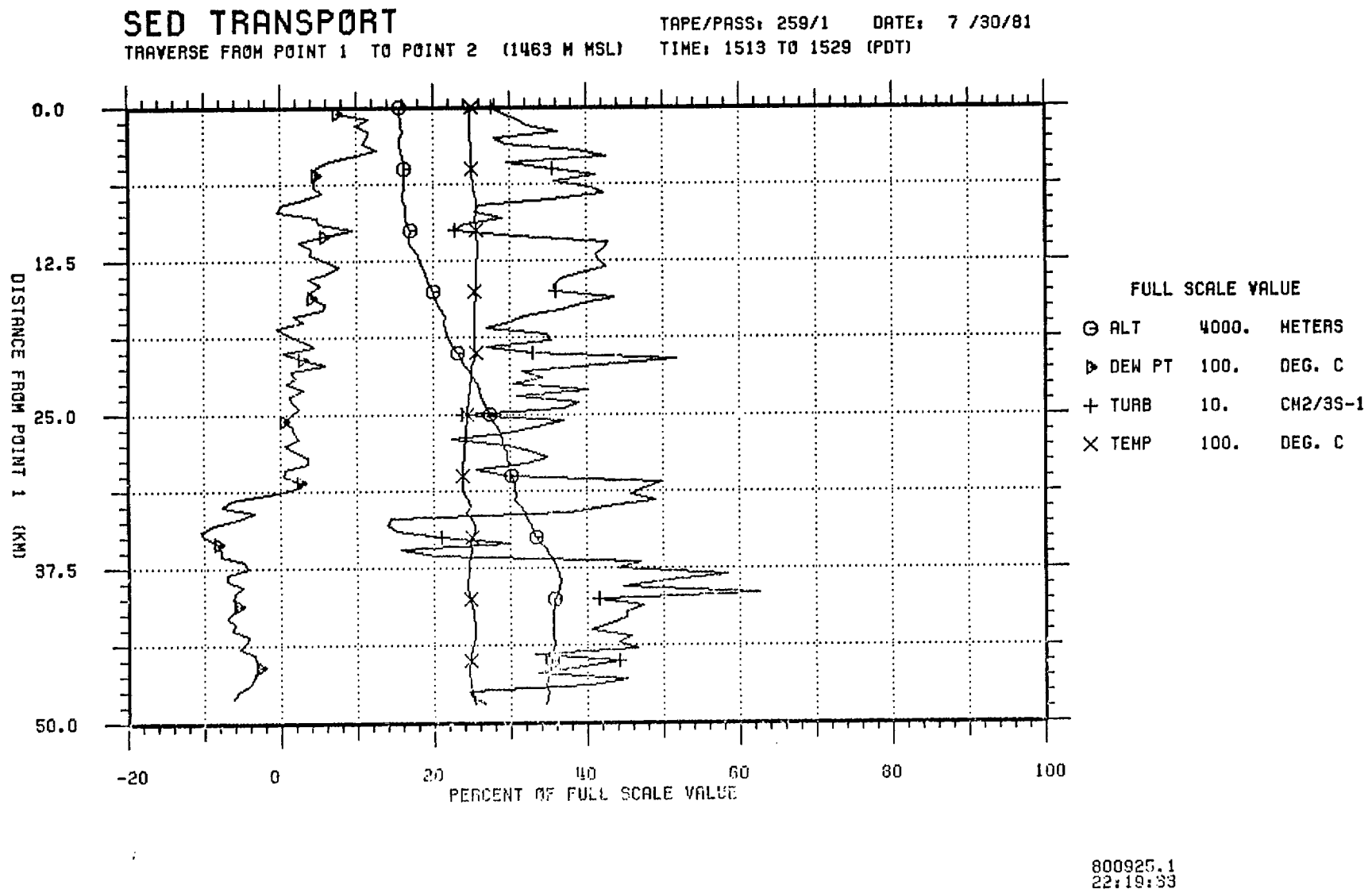
SOUTHEAST DESERT OZONE TRANSPORT STUDY

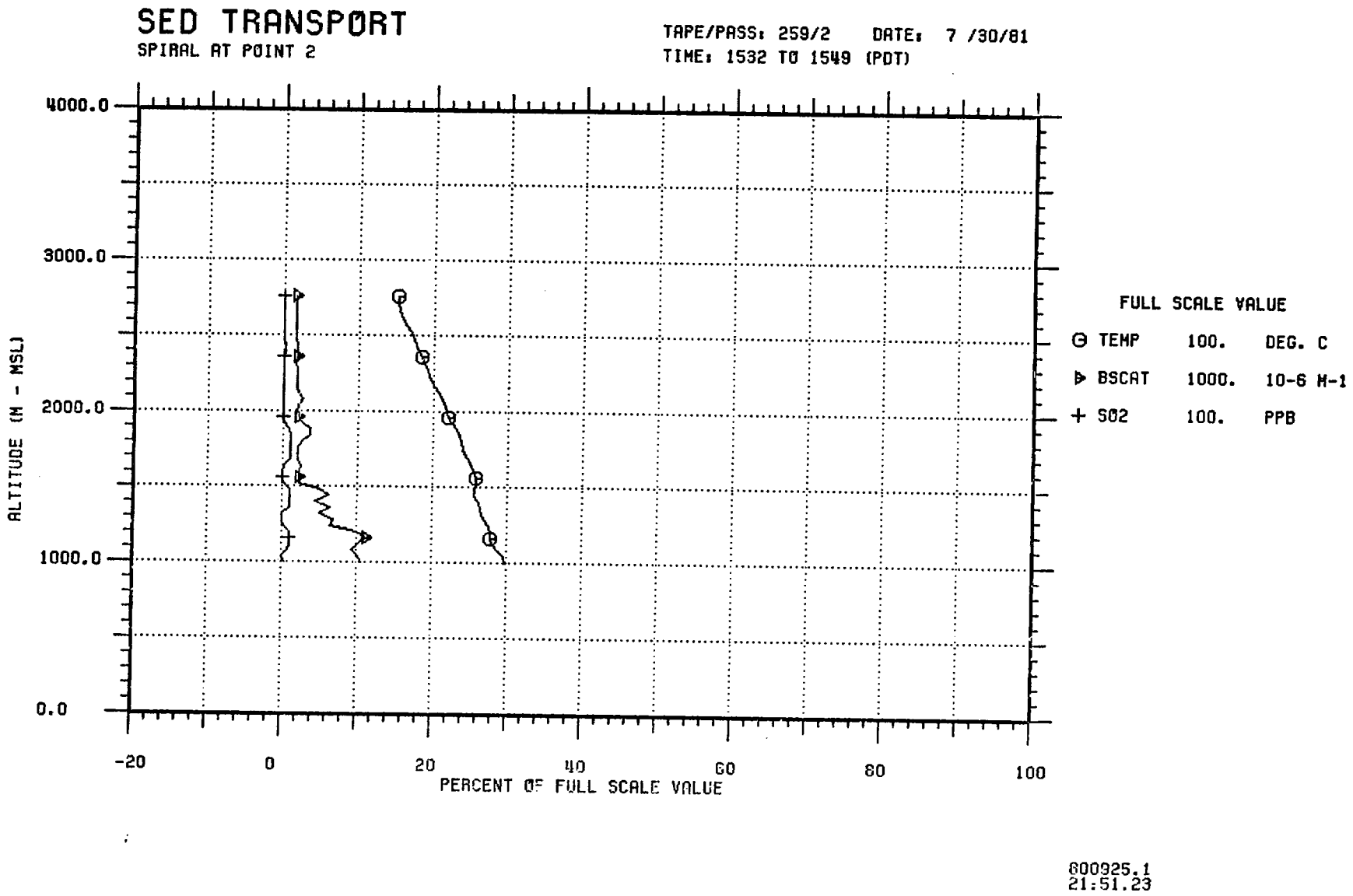
MRI SAMPLING FLIGHT

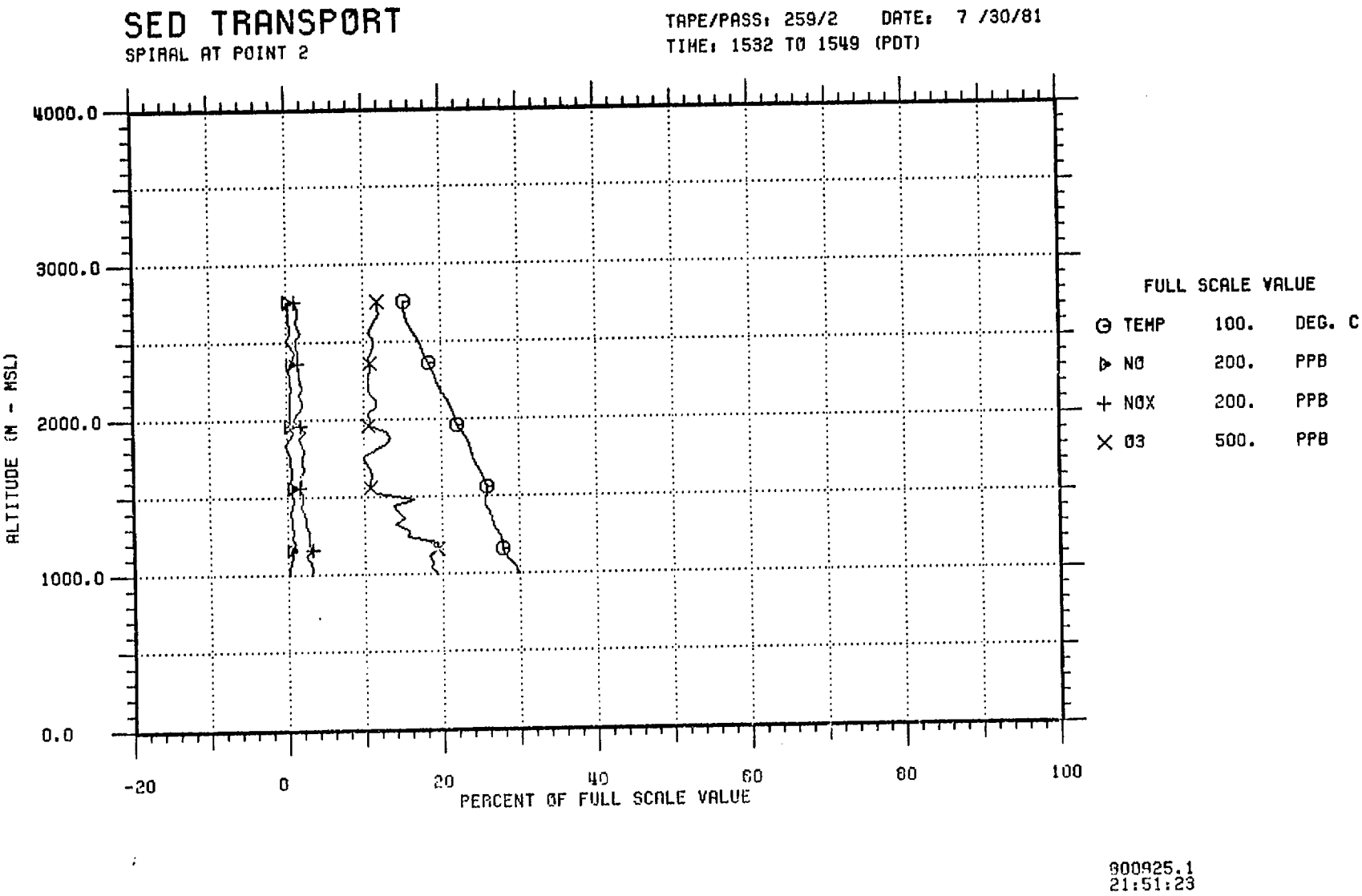
July 30, 1981 Tape #259

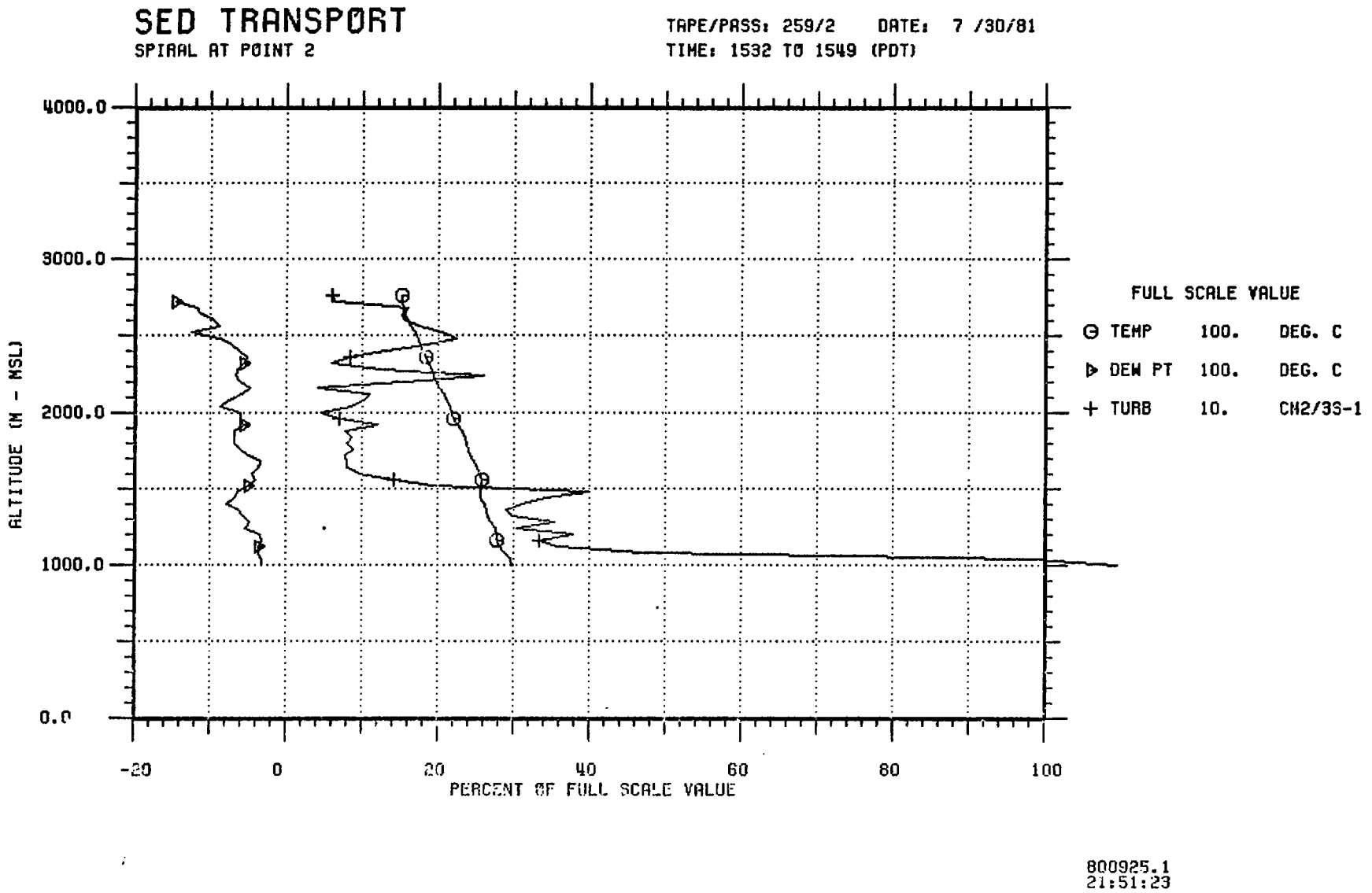

SED TRANSPORT
TRAVERSE FROM POINT 1 TO POINT 2 (1463 M MSL)
TAPE/PASS: 259/1 DATE: 7 /30/81
TIME: 1513 TO 1529 (PDT)
DISTANCE FROM POINT 1 (KM)
0.0
12.5
25.0
37.5
50.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
22:19.33

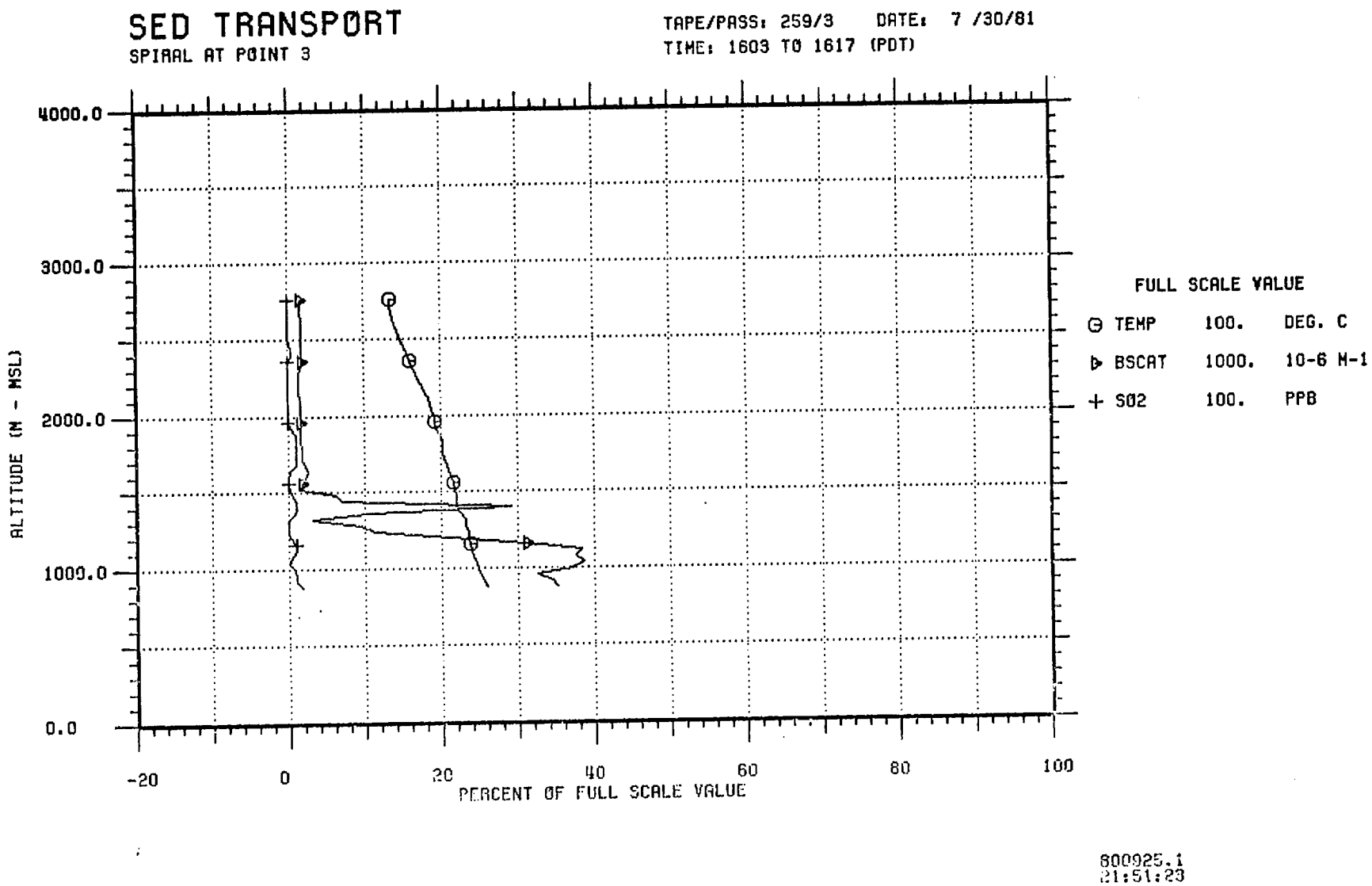

SED TRANSPORT
TRAVERSE FROM POINT 1 TO POINT 2 (1463 M MSL)
TAPE/PASS: 259/1 DATE: 7 /30/81
TIME: 1513 TO 1529 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 1 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
22:19:33

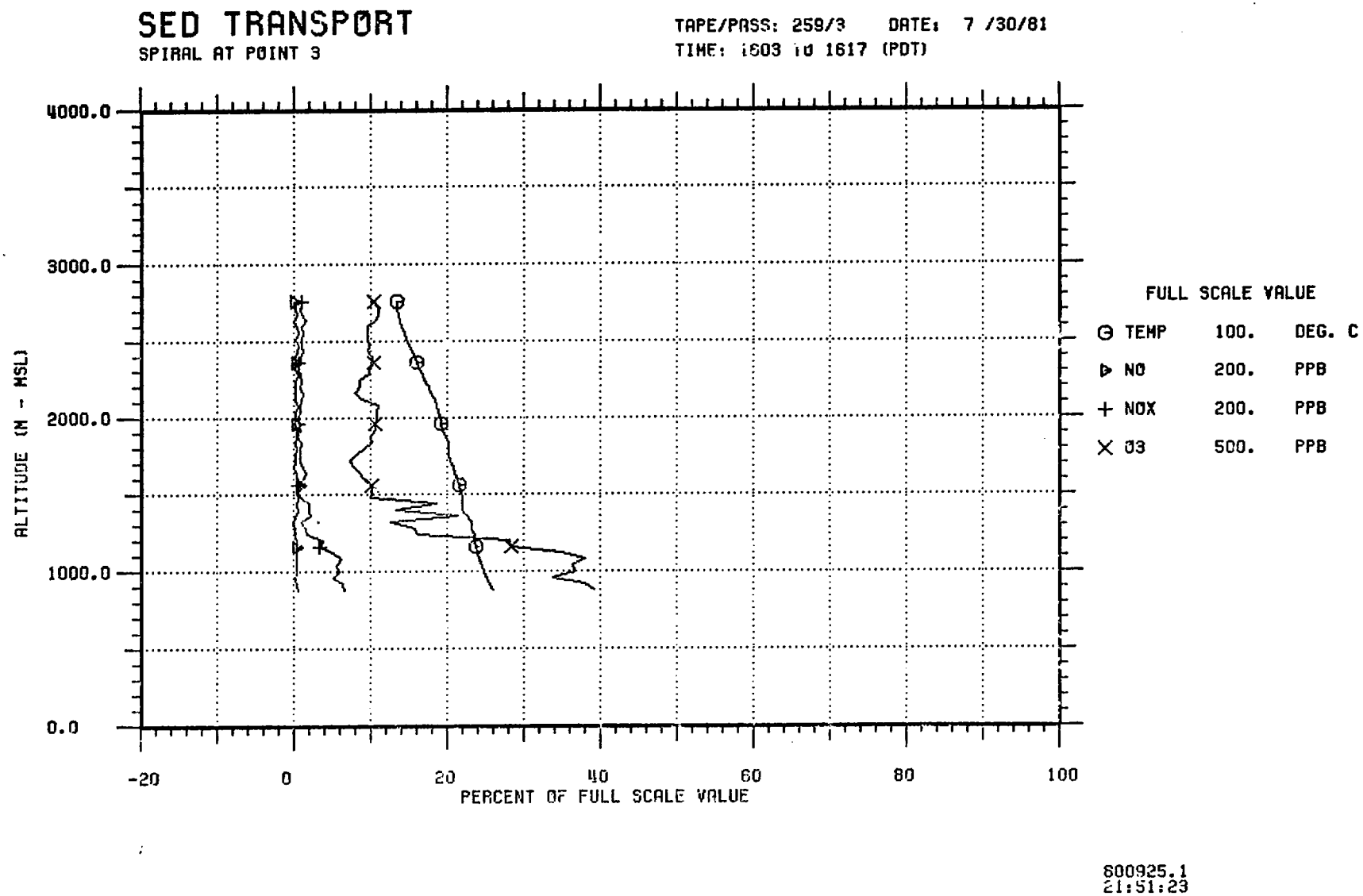

SED TRANSPORT
TRAVERSE FROM POINT 1 TO POINT 2 (1463 M MSL)
TAPE/PASS: 259/1 DATE: 7 /30/81
TIME: 1513 TO 1529 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 1 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800925.1
22:19:33


SED TRANSPORT
SPIRAL AT POINT 2
TAPE/PASS: 259/2 DATE: 7 /30/81
TIME: 1532 TO 1549 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
21:51.23


SED TRANSPORT
SPIRAL AT POINT 2
TAPE/PASS: 259/2 DATE: 7 /30/81
TIME: 1532 TO 1549 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
900925.1
21:51:23


SED TRANSPØRT
SPIRAL AT PØINT 2
TAPE/PASS: 259/2 DATE: 7 /30/81
TIME: 1532 TØ 1549 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT ØF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
800925.1
21:51:23

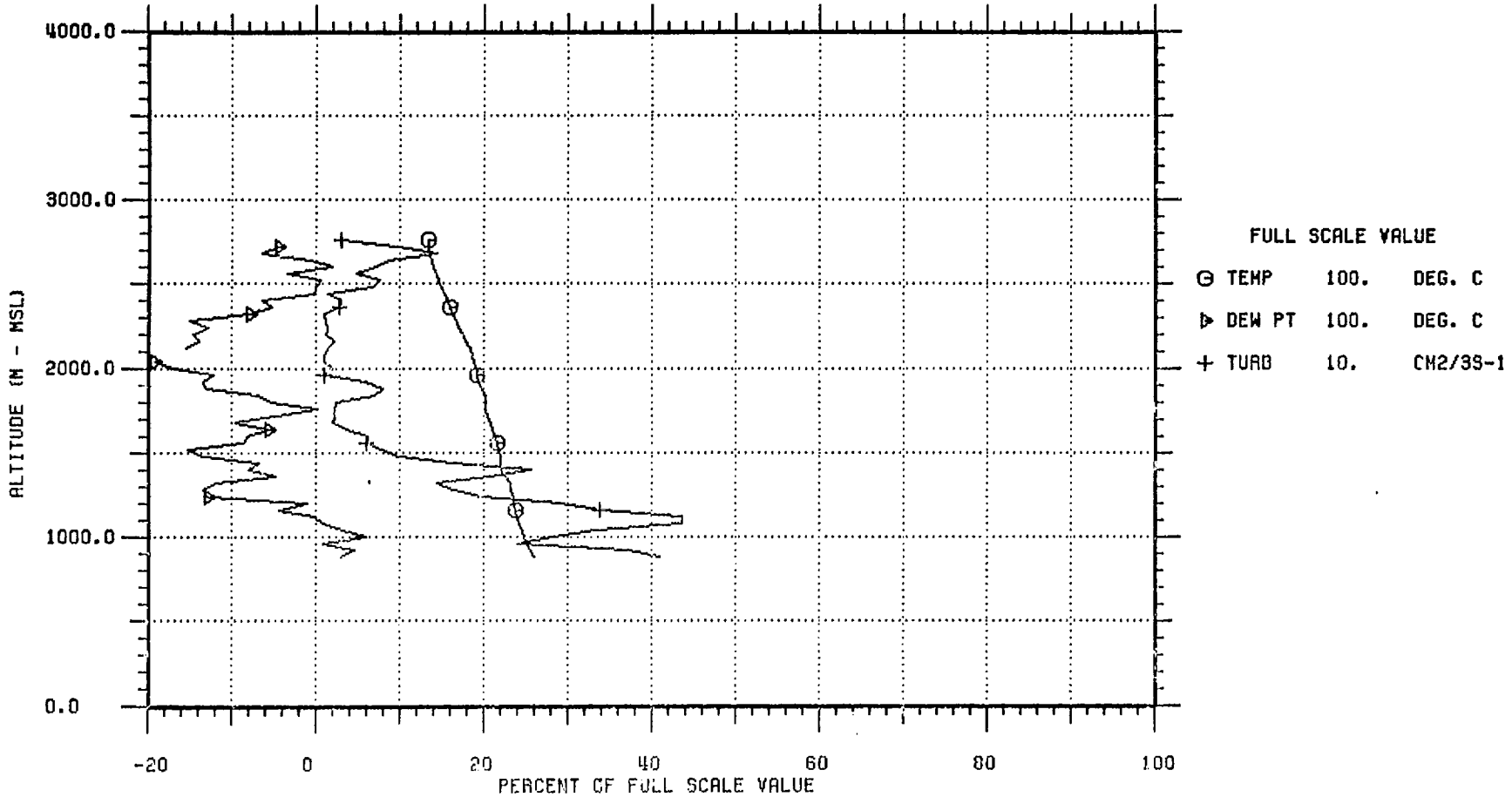

SED TRANSPORT
SPIRAL AT POINT 3
TAPE/PASS: 259/3 DATE: 7 /30/81
TIME: 1603 TO 1617 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
21:51:23


SED TRANSPORT
SPIRAL AT POINT 3
TAPE/PASS: 259/3 DATE: 7 /30/81
TIME: 1603 to 1617 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
21:51:23

SED TRANSPORT

SPIRAL AT POINT 3

TAPE/PASS: 259/3 DATE: 7 /30/81
TIME: 1603 TO 1617 (PDT)

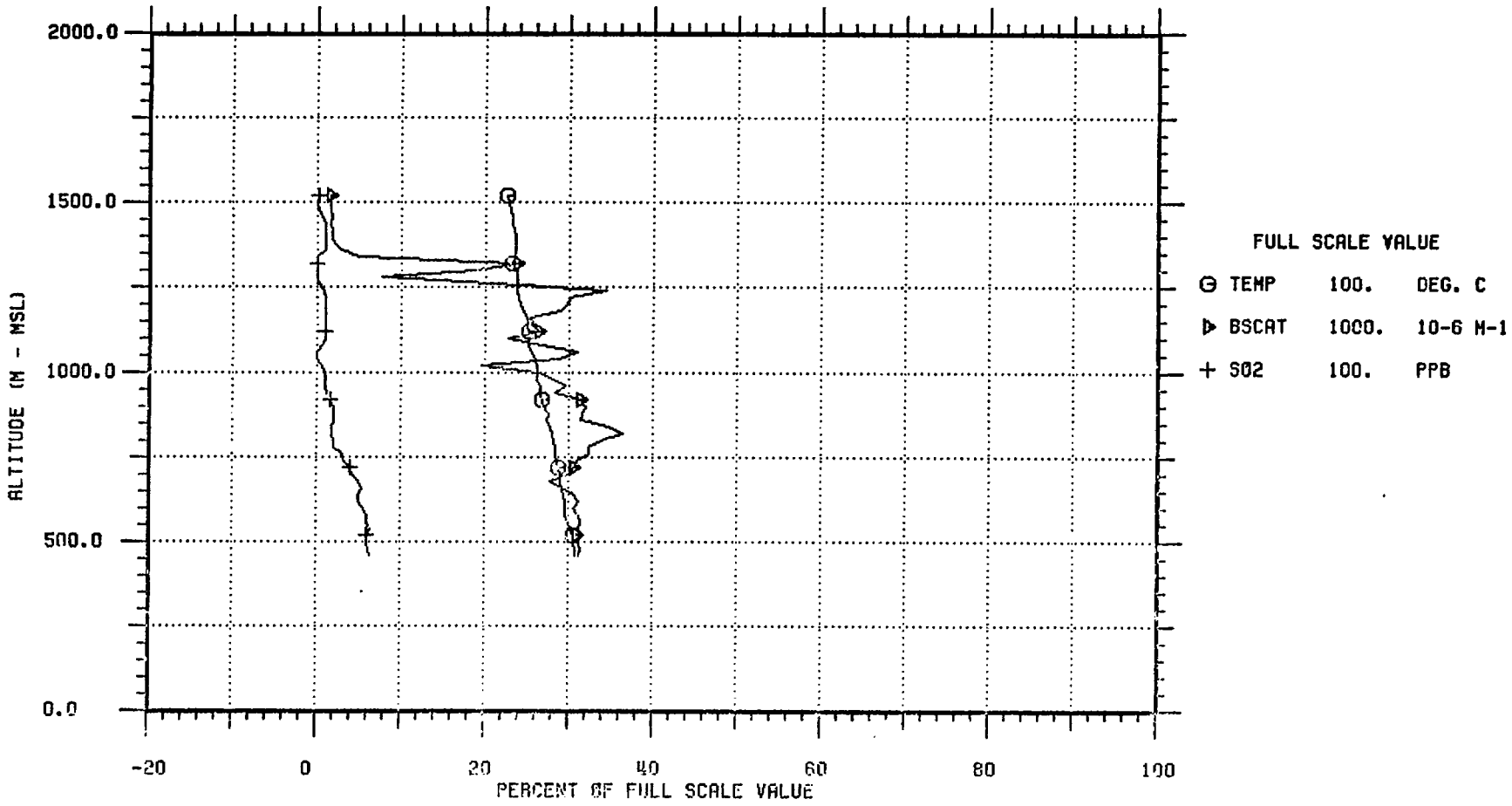


800925.1
21:51:23

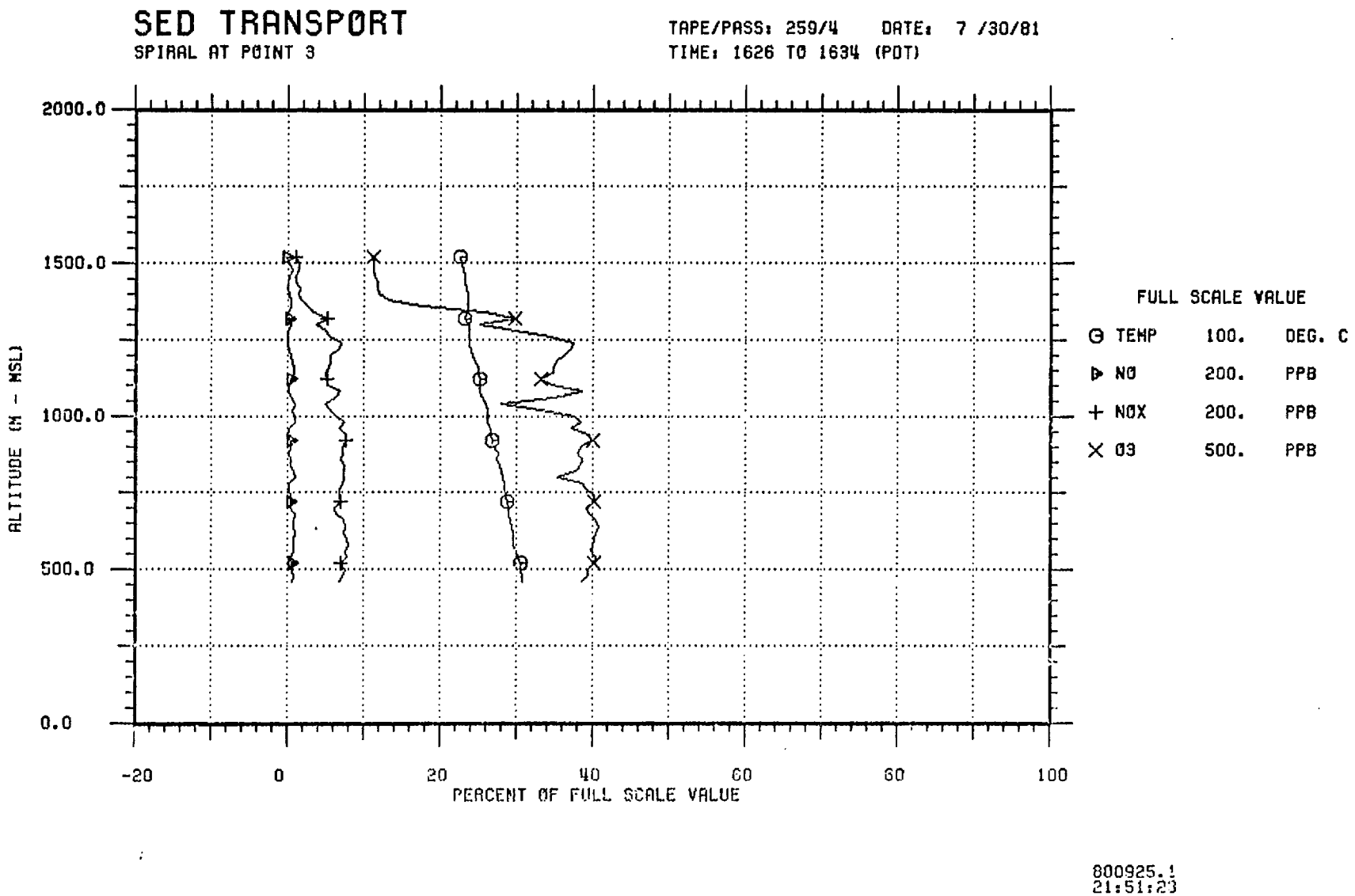
SED TRANSPORT

SPIRAL AT POINT 3

TAPE/PASS: 259/4 DATE: 7 /30/81
TIME: 1626 TO 1634 (PDT)



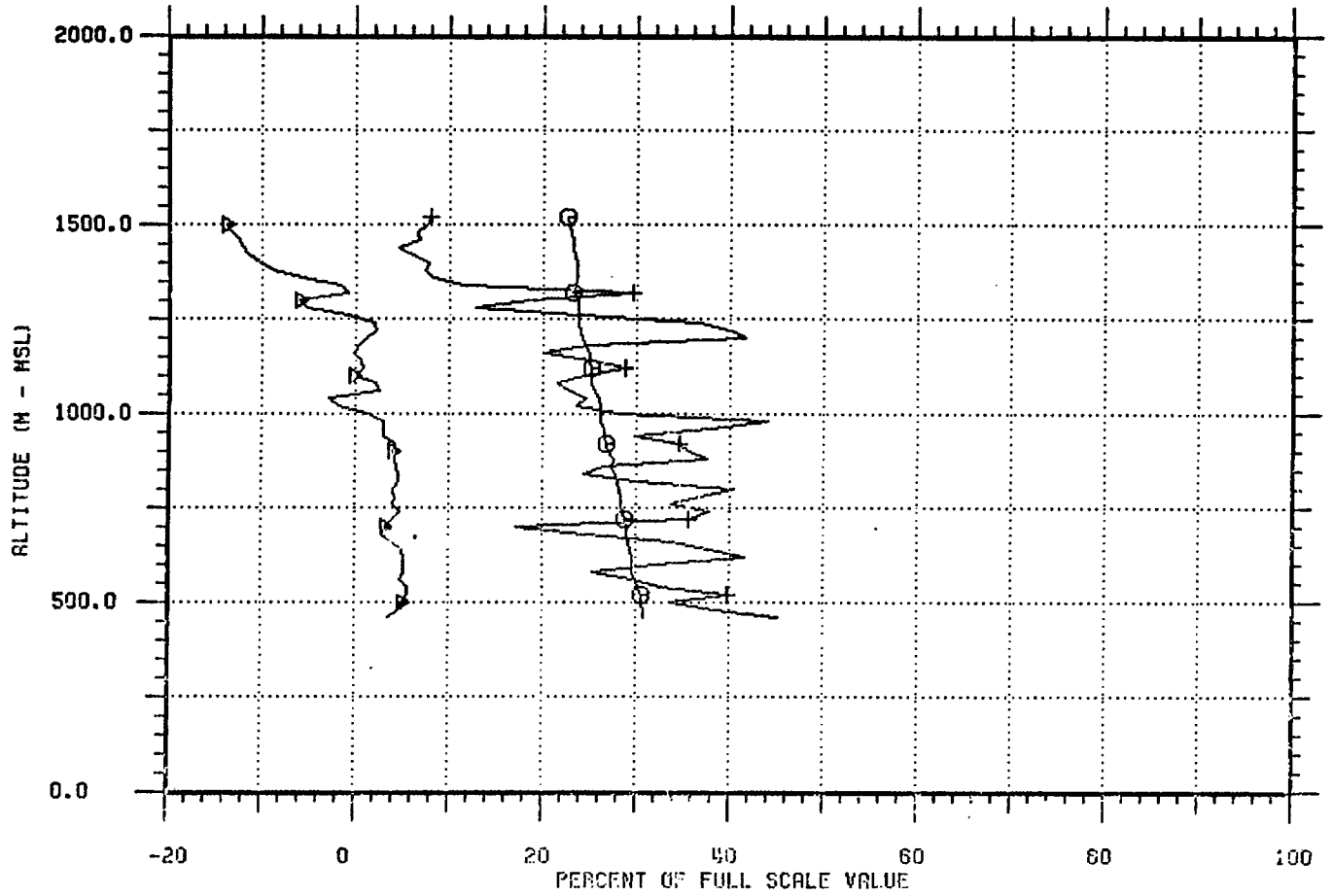
800925.1
21:51:23


SED TRANSPØRT
SPIRAL AT PØINT 3
TAPE/PASS: 259/4 DATE: 7 /30/81
TIME: 1626 TØ 1634 (PDT)
2000.0
1500.0
1000.0
500.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT ØF FULL SCALE VALUE
FULL SCALE VALUE
Θ TEMP 100. DEG. C
⊳ NØ 200. PPB
+ NØX 200. PPB
× Ø3 500. PPB
800925.1
21:51:23

SED TRANSPORT

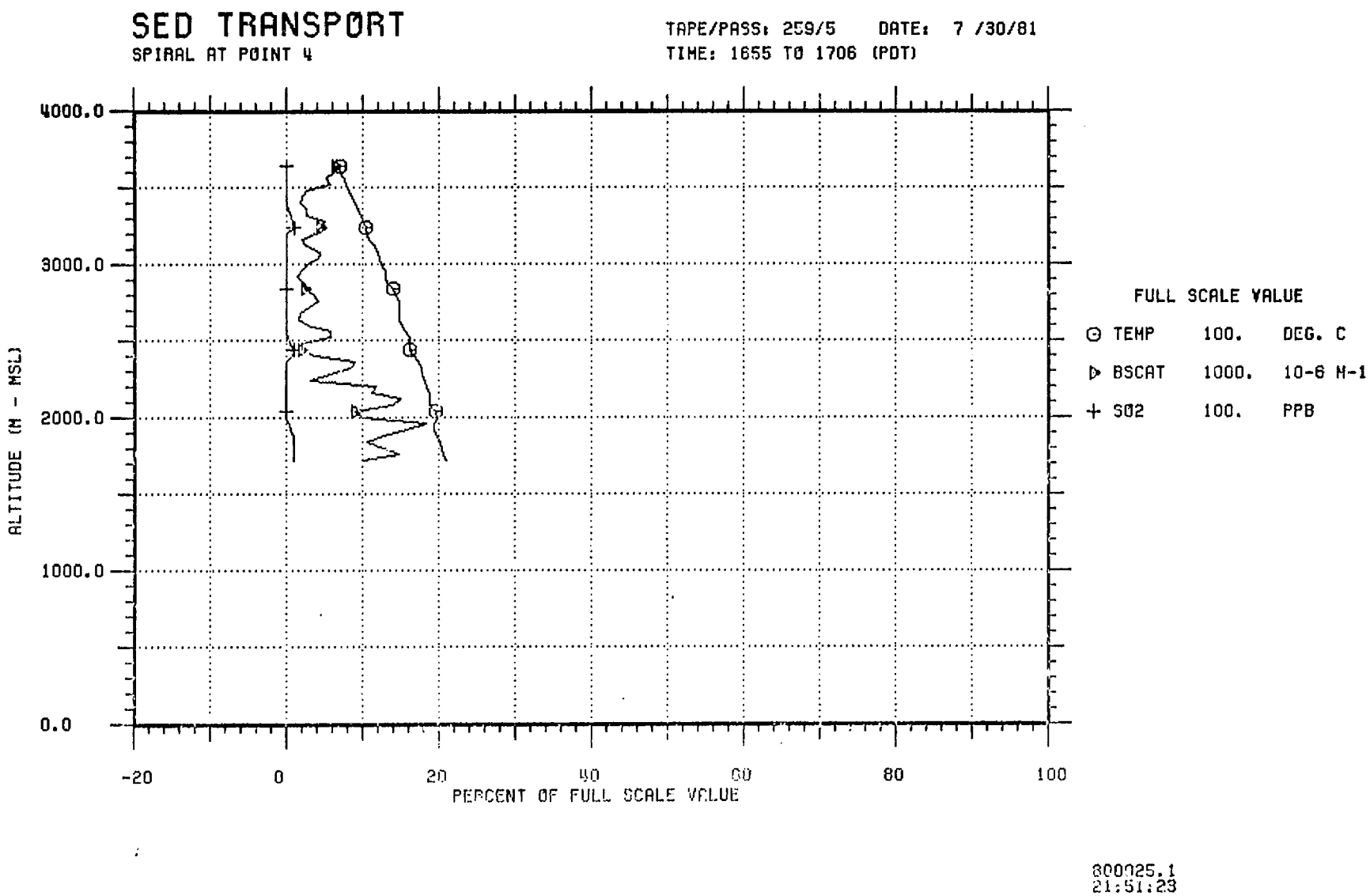
SPIRAL AT POINT 3

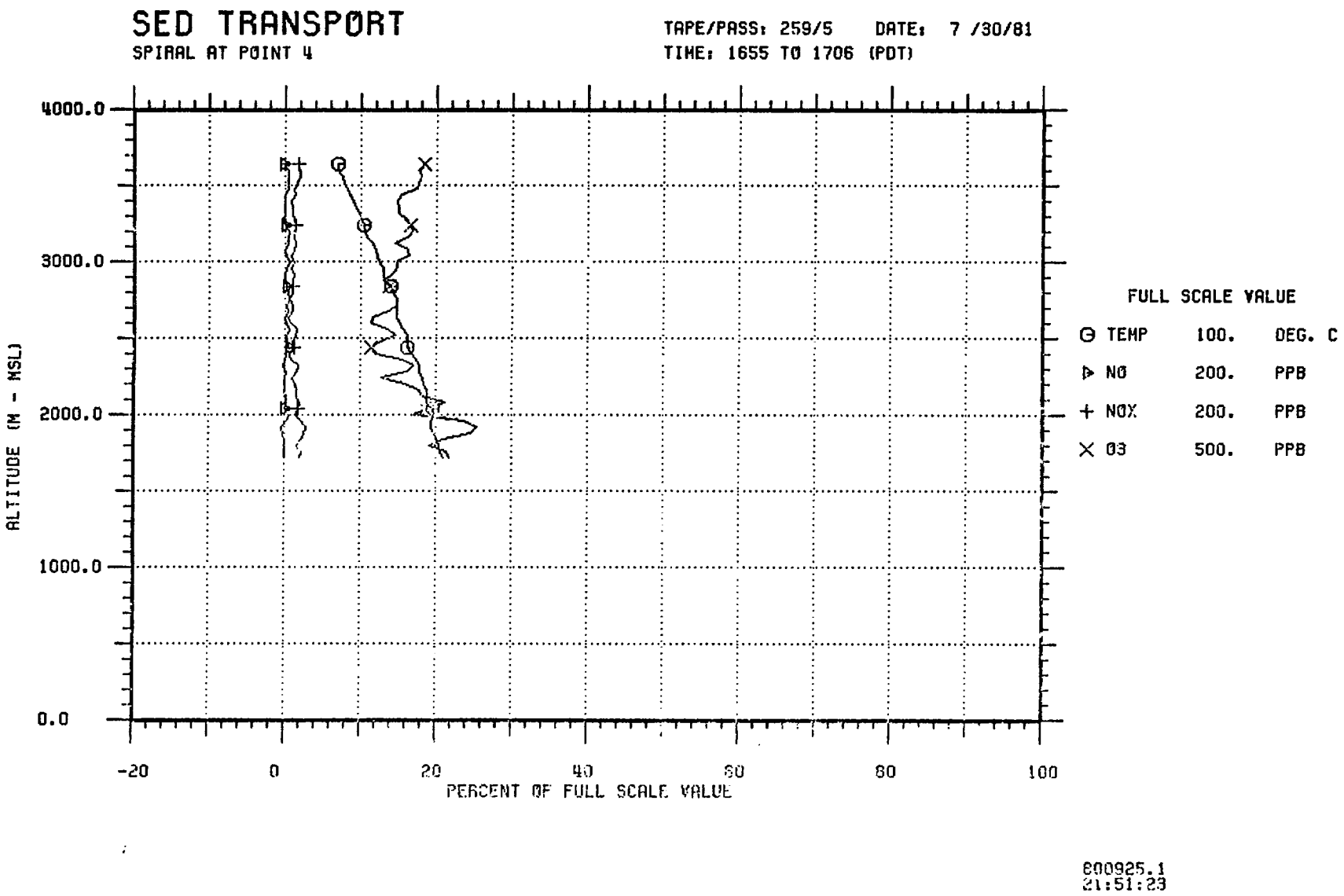
TAPE/PASS: 259/4 DATE: 7 /30/81
TIME: 1626 TO 1634 (PDT)

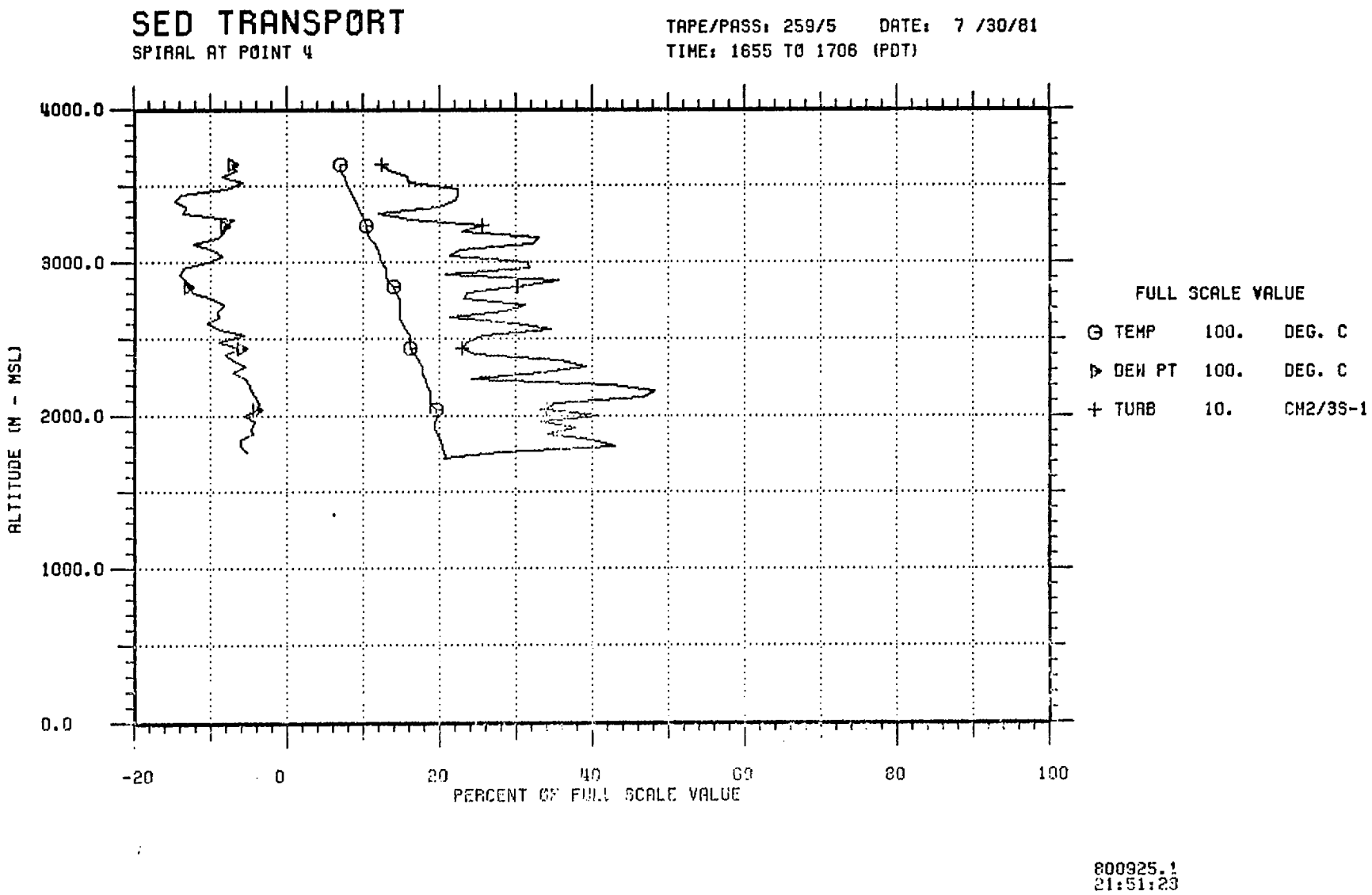


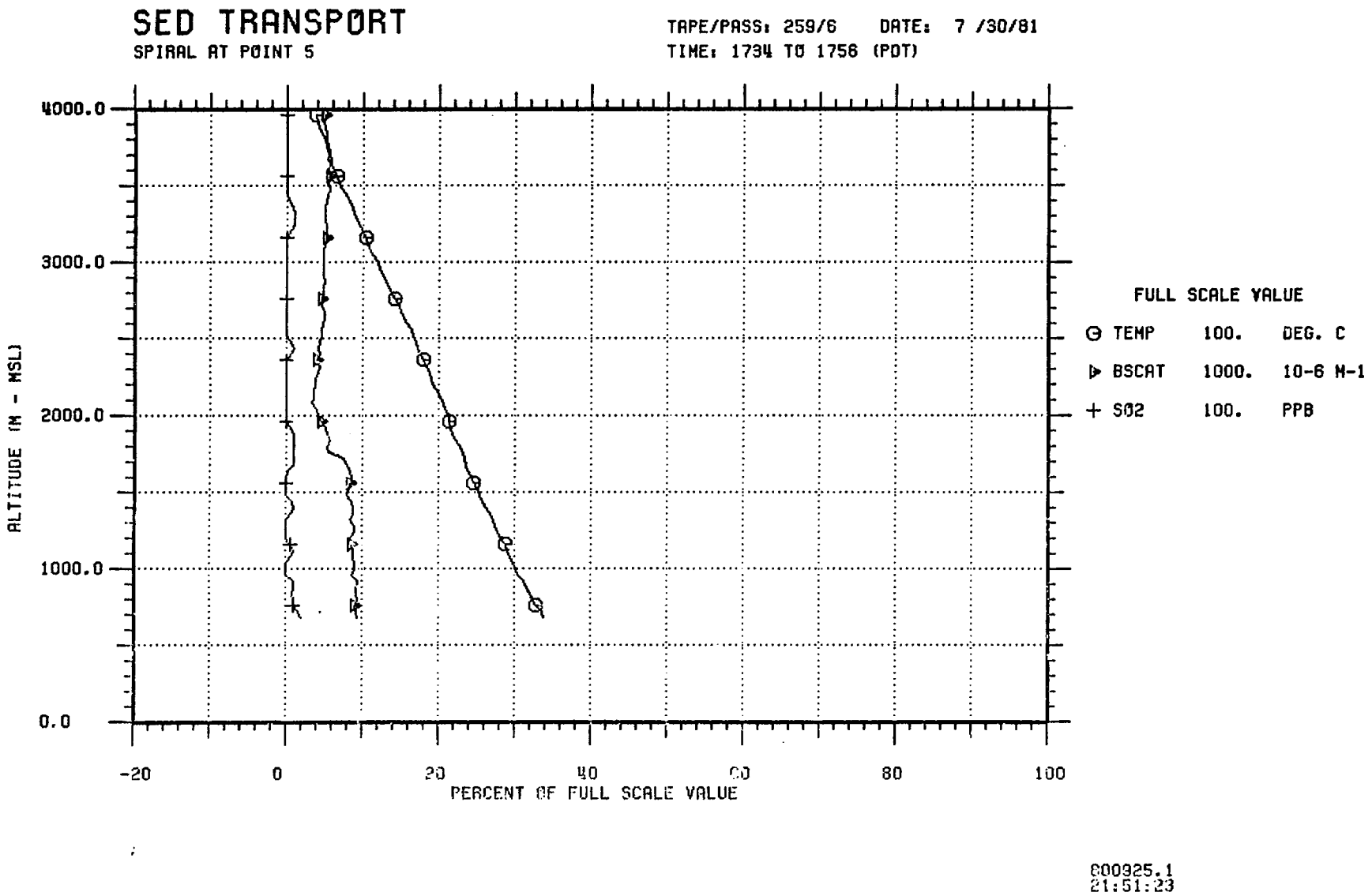
	FULL SCALE VALUE	
⊖ TEMP	100.	DEG. C
▶ DEW PT	100.	DEG. C
+ TURB	10.	CM2/3S-1

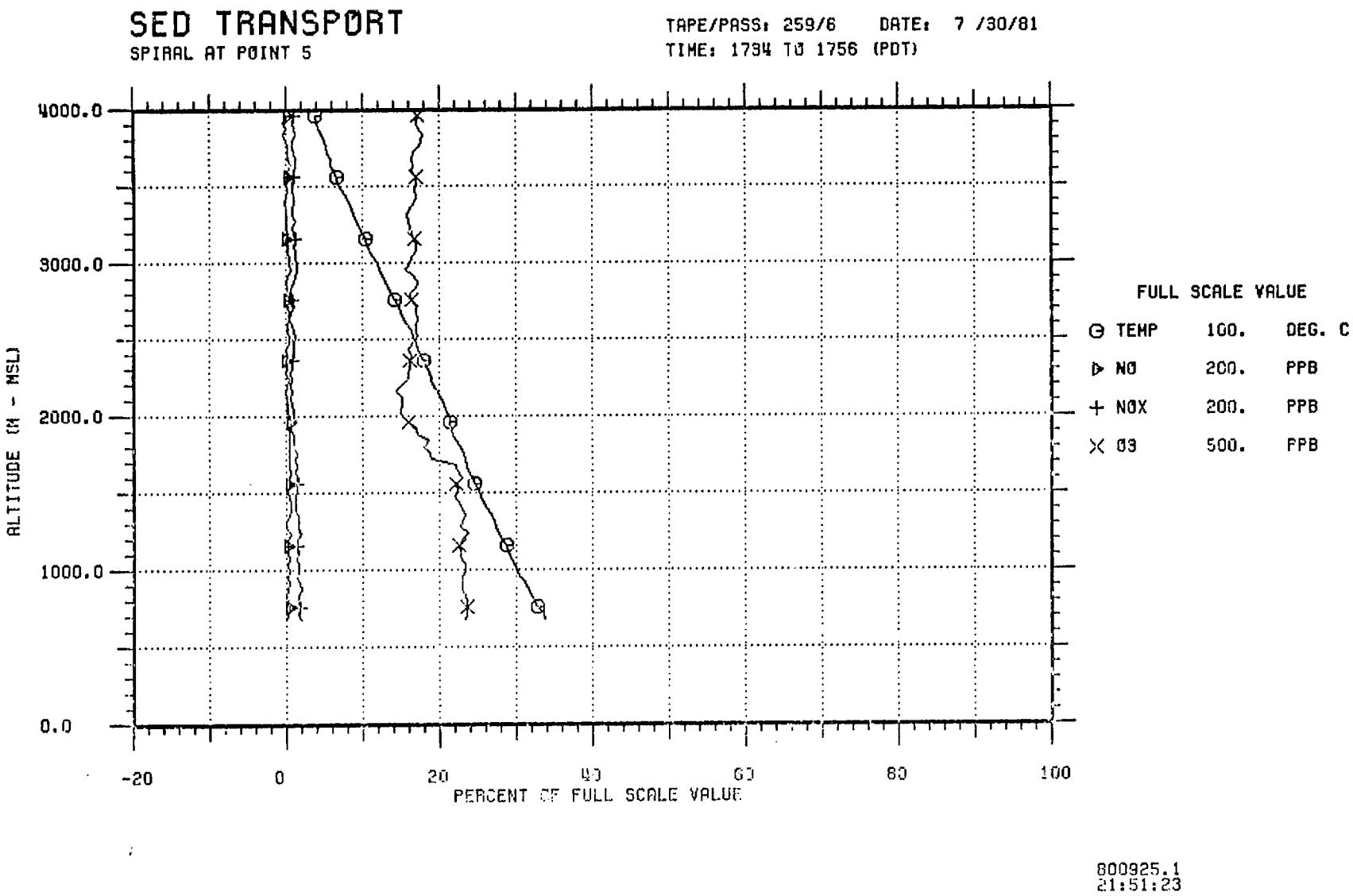
800925.1
21:51:29

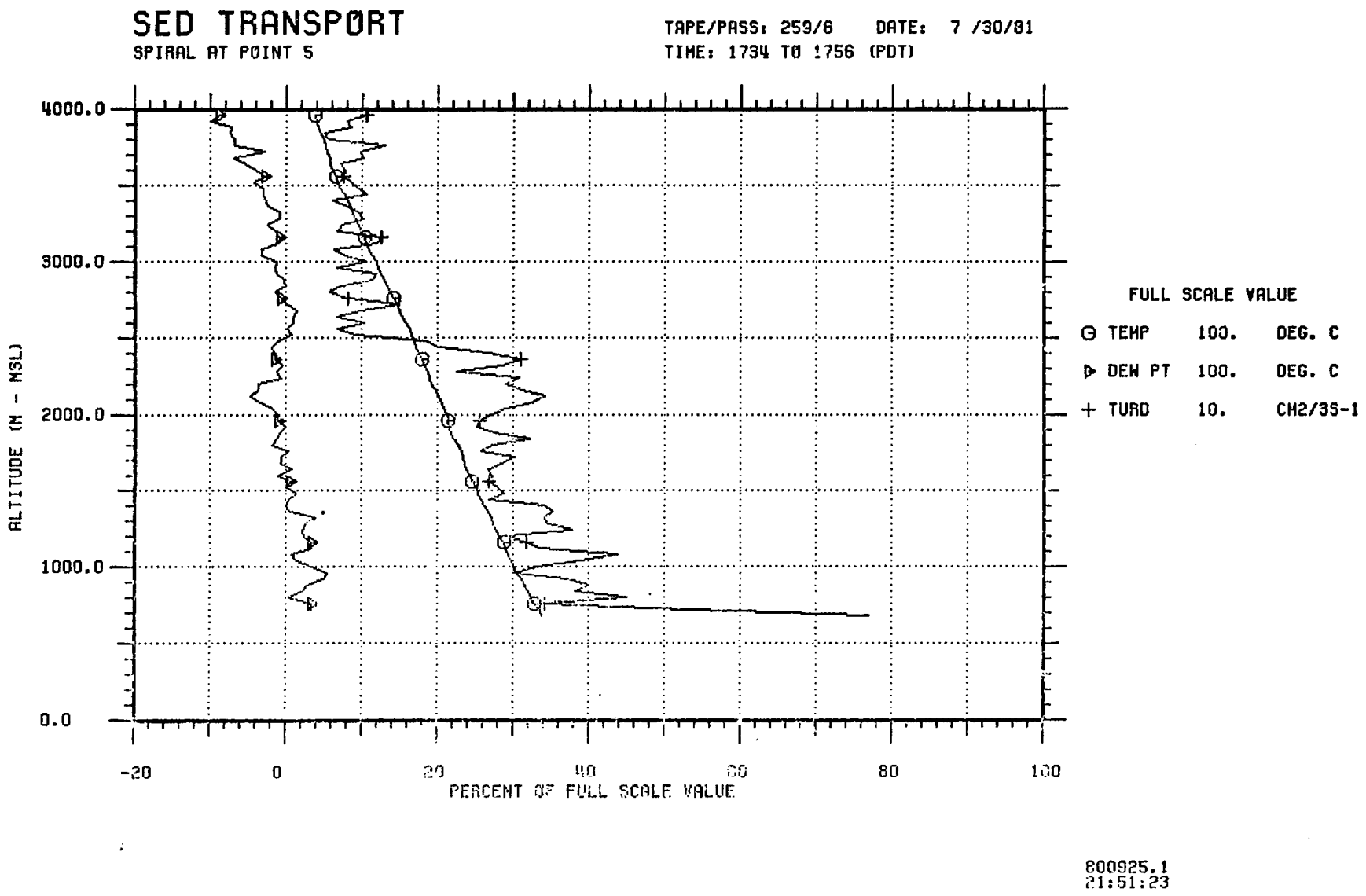

SED TRANSPØRT
SPIRAL AT PØINT 4
TAPE/PASS: 259/5 DATE: 7 /30/81
TIME: 1655 TØ 1706 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
⊙ TEMP 100. DEG. C
▷ BSCAT 1000. 10-6 M-1
+ SØ2 100. PPB
800025.1
21:51:23

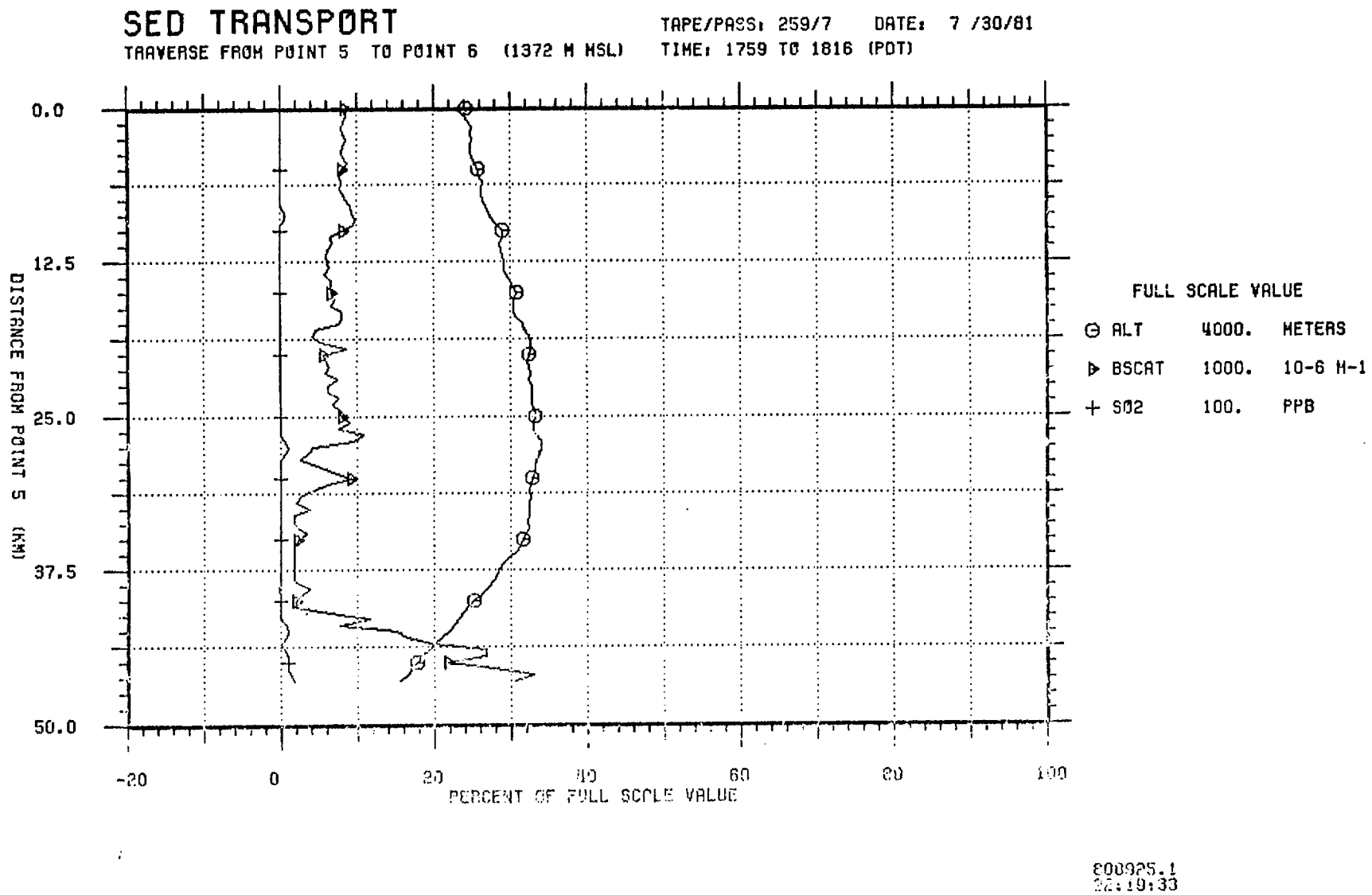

SED TRANSPØRT
SPIRAL AT PØINT 4
TAPE/PASS: 259/5 DATE: 7 /30/81
TIME: 1655 TØ 1706 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT ØF FULL SCALE VALUE
FULL SCALE VALUE
Θ TEMP 100. DEG. C
⊳ NØ 200. PPB
+ NØX 200. PPB
× Ø3 500. PPB
800925.1
21:51:23

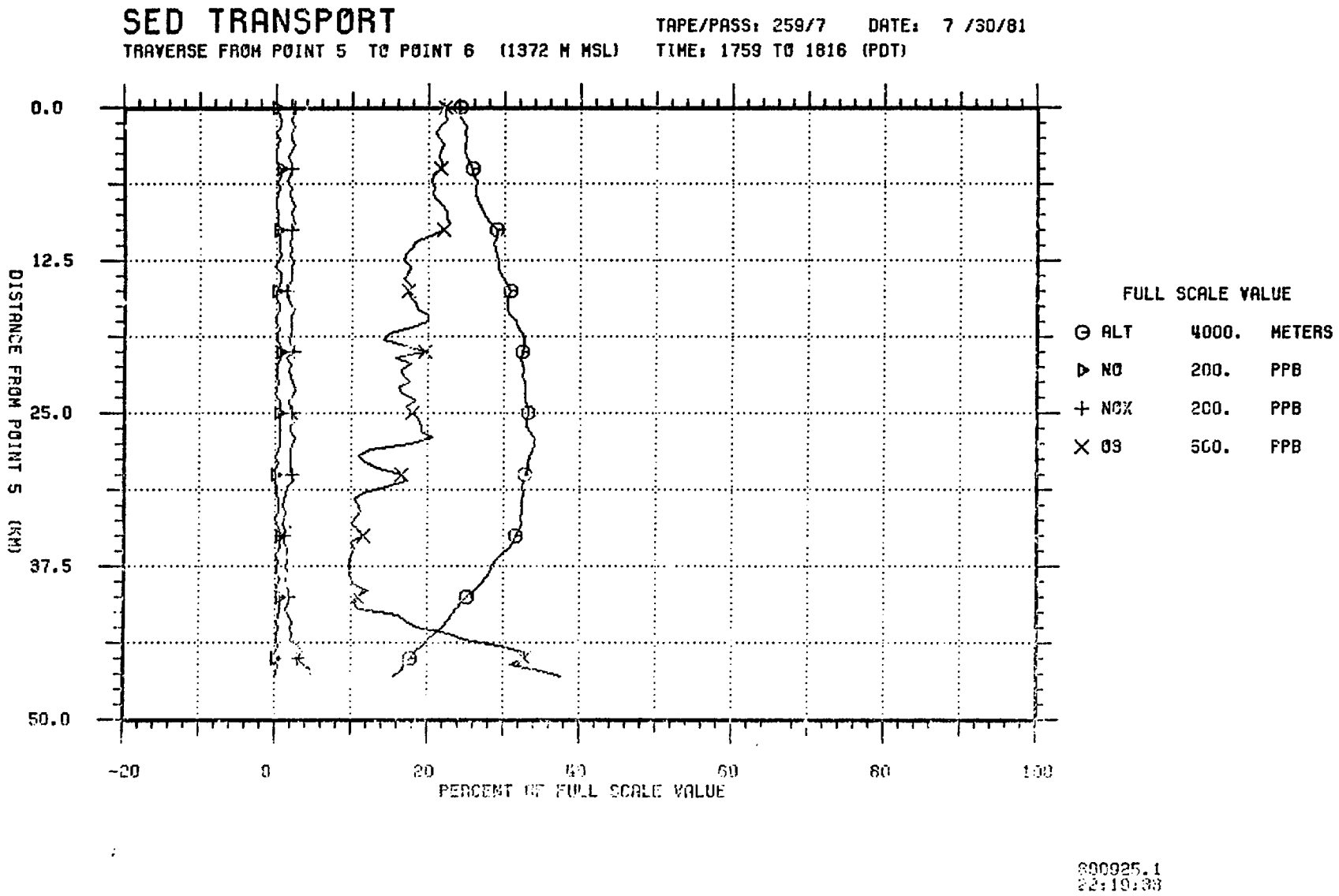

SED TRANSPORT
SPIRAL AT POINT 4
TAPE/PASS: 259/5 DATE: 7 /30/81
TIME: 1655 TO 1706 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
⊖ TEMP 100. DEG. C
⊳ DEW PT 100. DEG. C
+ TURB 10. CM2/3S-1
800925.1
21:51:23

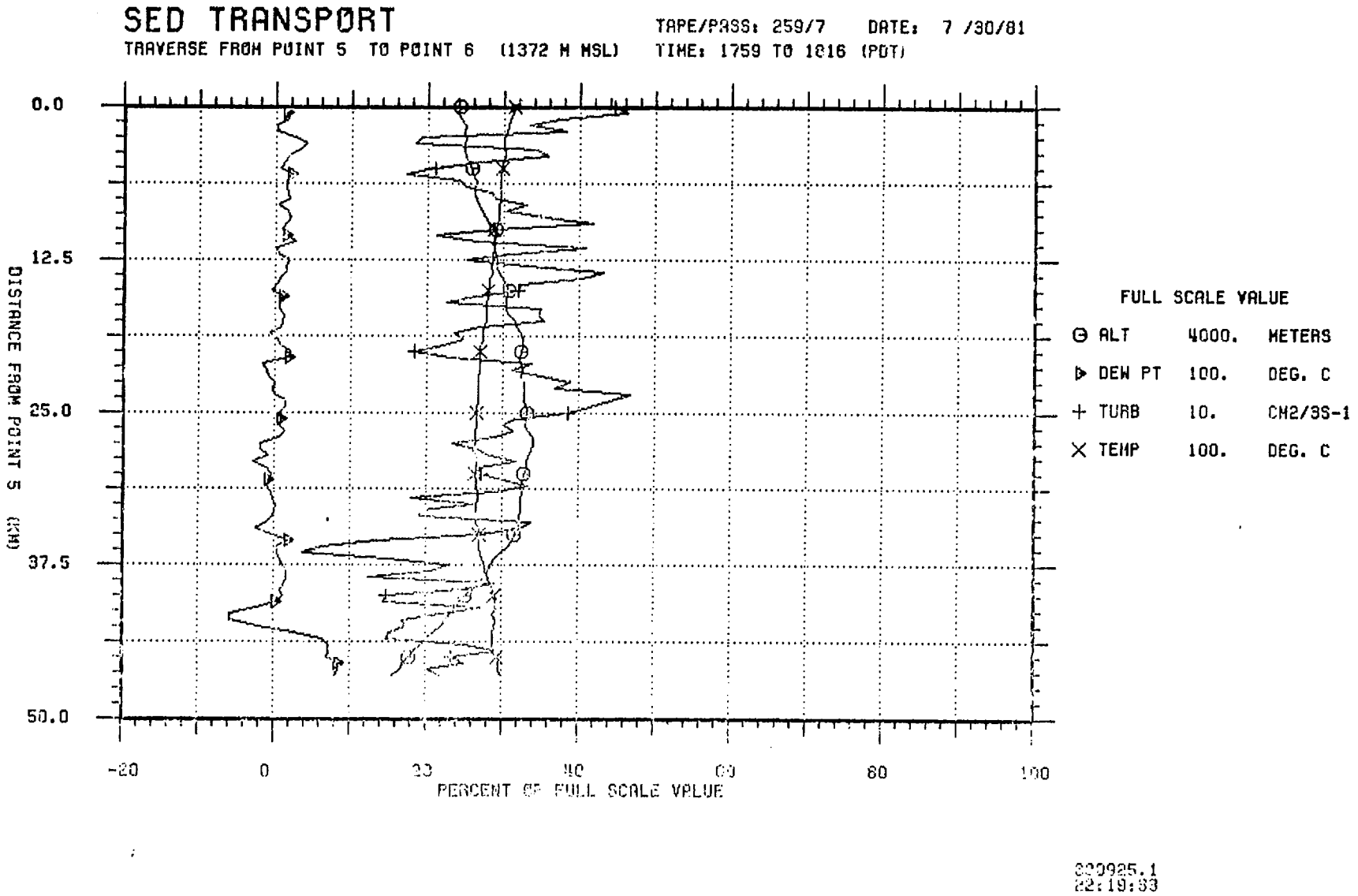

SED TRANSPORT
SPIRAL AT POINT 5
TAPE/PASS: 259/6 DATE: 7 /30/81
TIME: 1734 TO 1758 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
21:51:23


SED TRANSPORT
SPIRAL AT POINT 5
TAPE/PASS: 259/6 DATE: 7 /30/81
TIME: 1734 TO 1756 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
21:51:23


SED TRANSPØRT
SPIRAL AT POINT 5
TAPE/PASS: 259/6 DATE: 7 /30/81
TIME: 1734 TØ 1756 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
800925.1
21:51:23


SED TRANSPORT
TRAVERSE FROM POINT 5 TO POINT 6 (1372 M MSL)
TAPE/PASS: 259/7 DATE: 7 /30/81
TIME: 1759 TO 1816 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 5 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
22:19:33

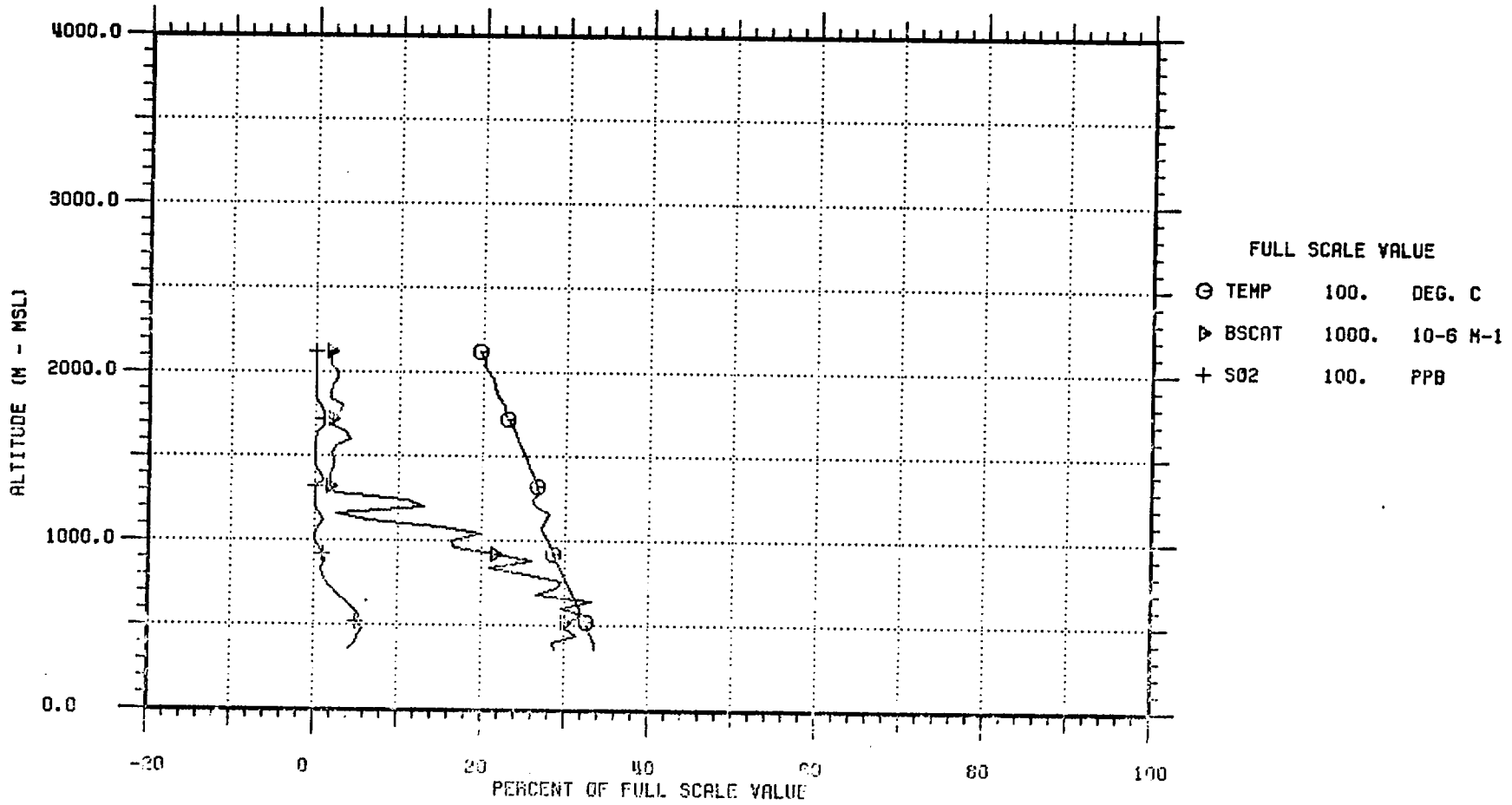

SED TRANSPORT
TRAVERSE FROM POINT 5 TO POINT 6 (1372 M MSL)
TAPE/PASS: 259/7 DATE: 7 /30/81
TIME: 1759 TO 1816 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 5 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
890925.1
22:19:38


SED TRANSPØRT
TRAVERSE FRØM PØINT 5 TØ PØINT 6 (1372 M MSL)
TAPE/PASS: 259/7 DATE: 7 /30/81
TIME: 1759 TØ 1816 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 5 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
TEMP 100. DEG. C
880925.1
22:19:33

SED TRANSPORT

SPIRAL AT POINT 6

TAPE/PASS: 259/8 DATE: 7 /30/81
TIME: 1818 TO 1838 (PDT)

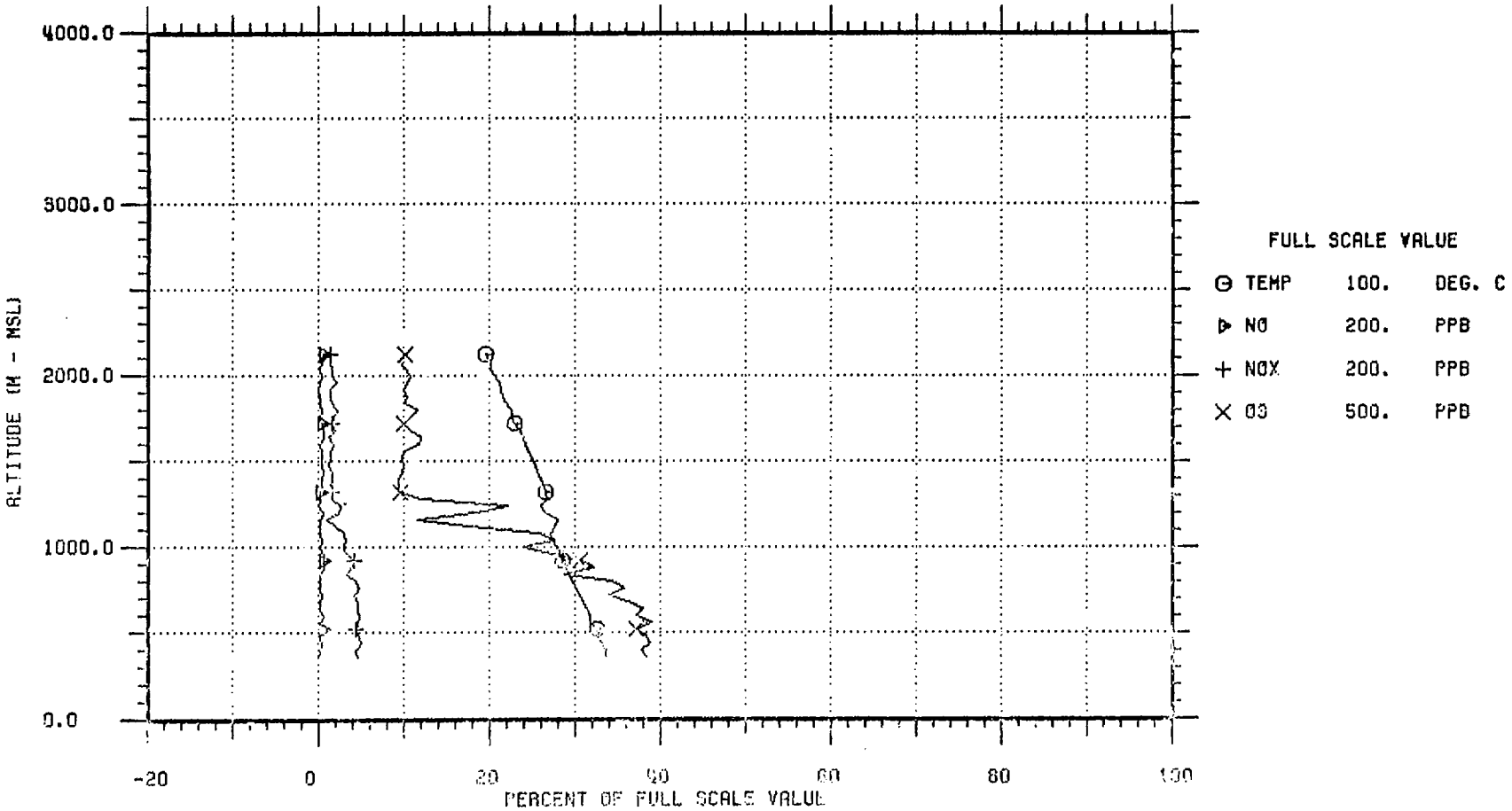


800925.1
21:51:23

SED TRANSPORT

SPIRAL AT POINT 6

TAPE/PASS: 259/8 DATE: 7 /30/81
TIME: 1818 TO 1838 (PDT)

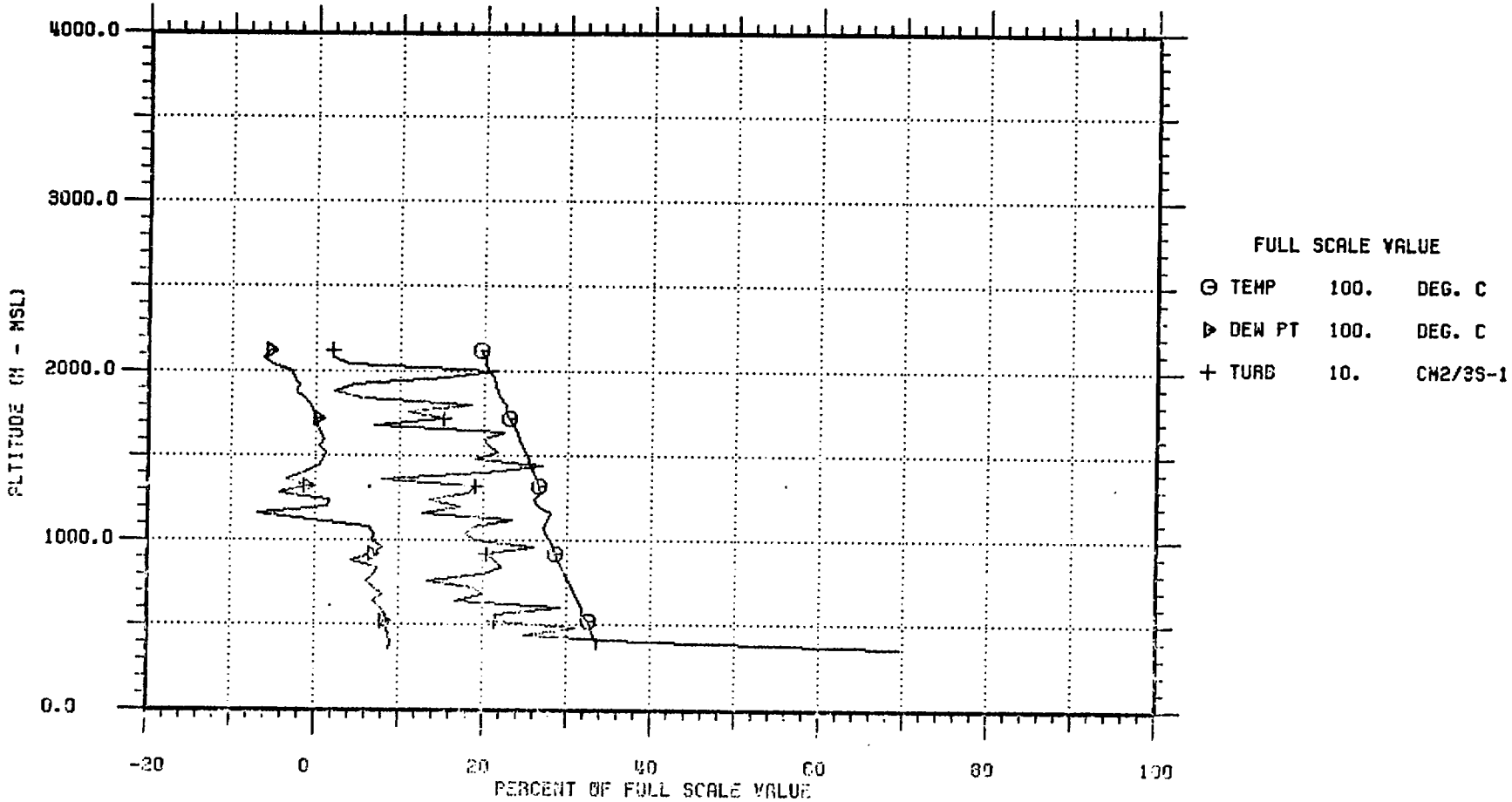


300925.1
21:51:23

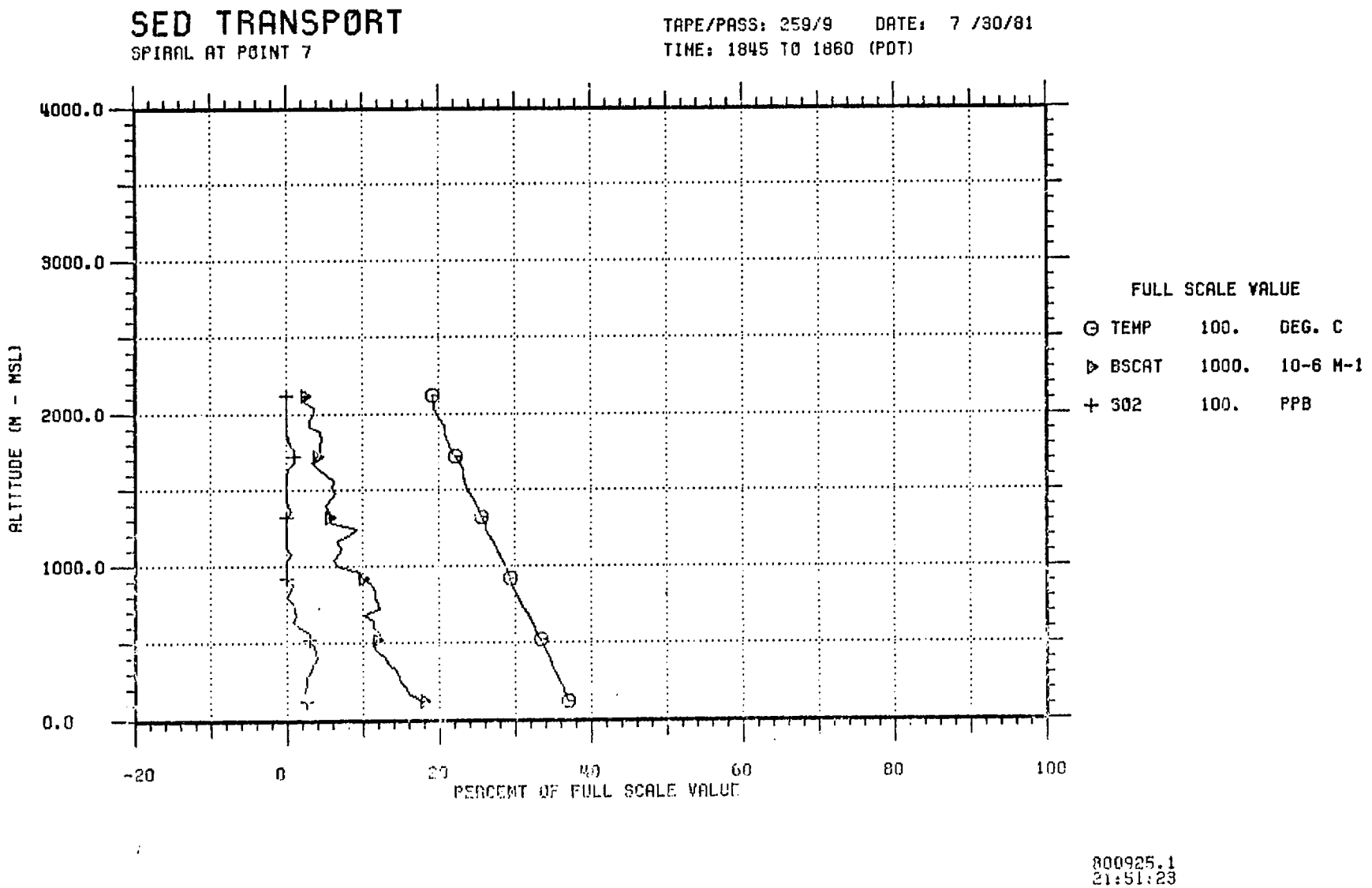
SED TRANSPORT

SPIRAL AT POINT 6

TAPE/PASS: 259/8 DATE: 7 /30/81
TIME: 1818 TO 1838 (PDT)



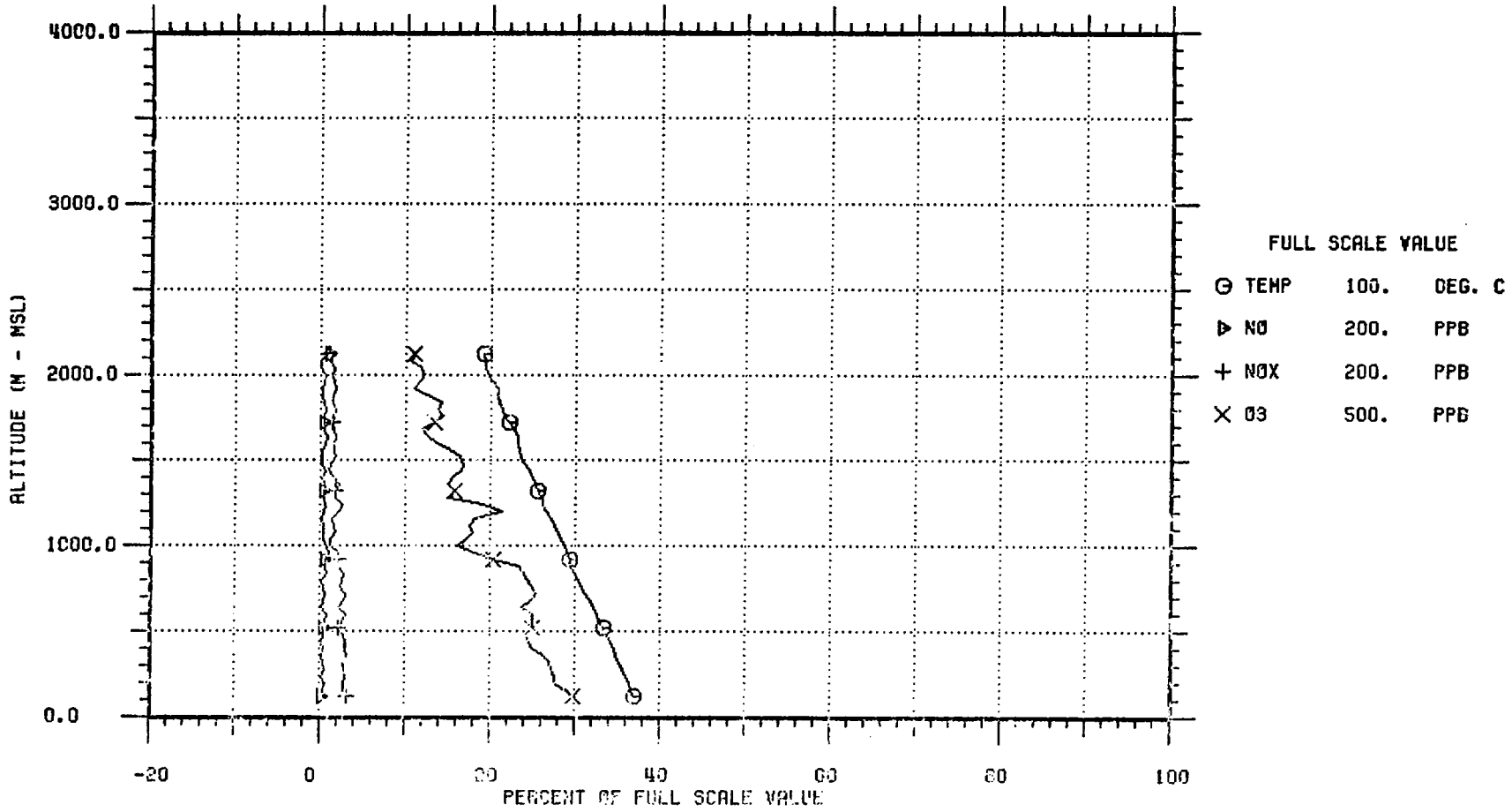
800925.1
21:51:23


SED TRANSPORT
SPIRAL AT POINT 7
TAPE/PASS: 259/9 DATE: 7 /30/81
TIME: 1845 TO 1860 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
21:51:23

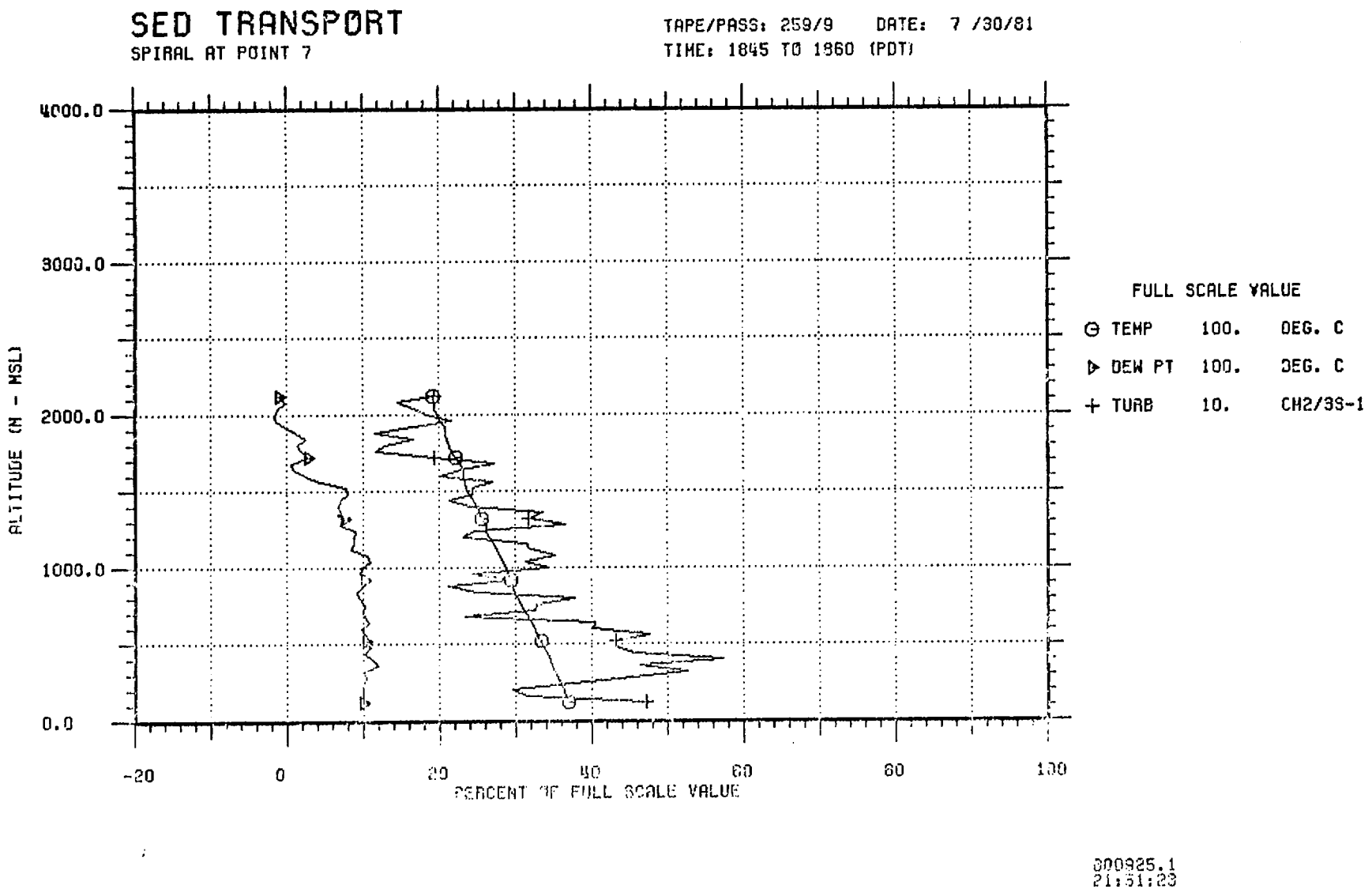
SED TRANSPØRT

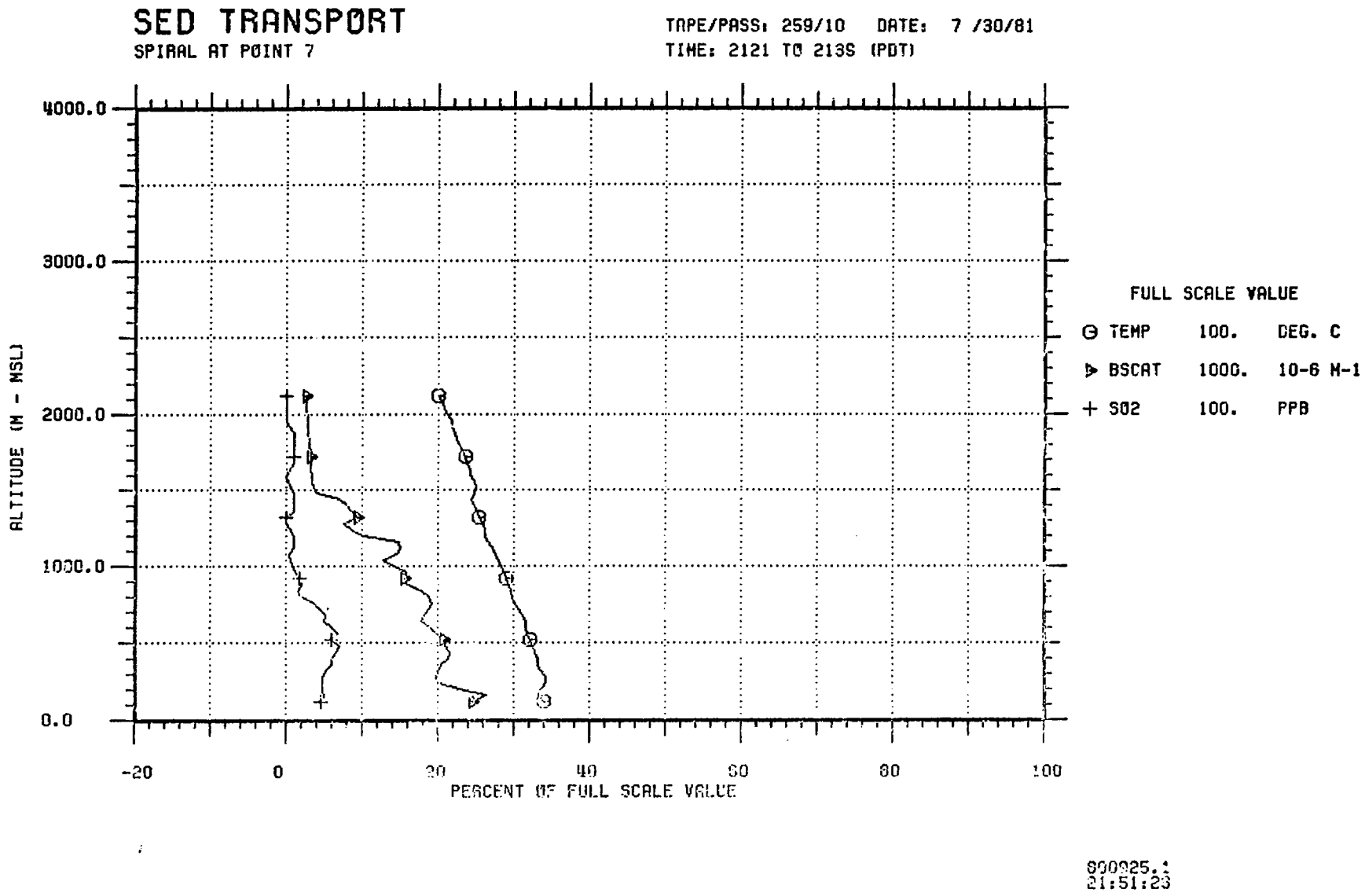
SPIRAL AT POINT 7

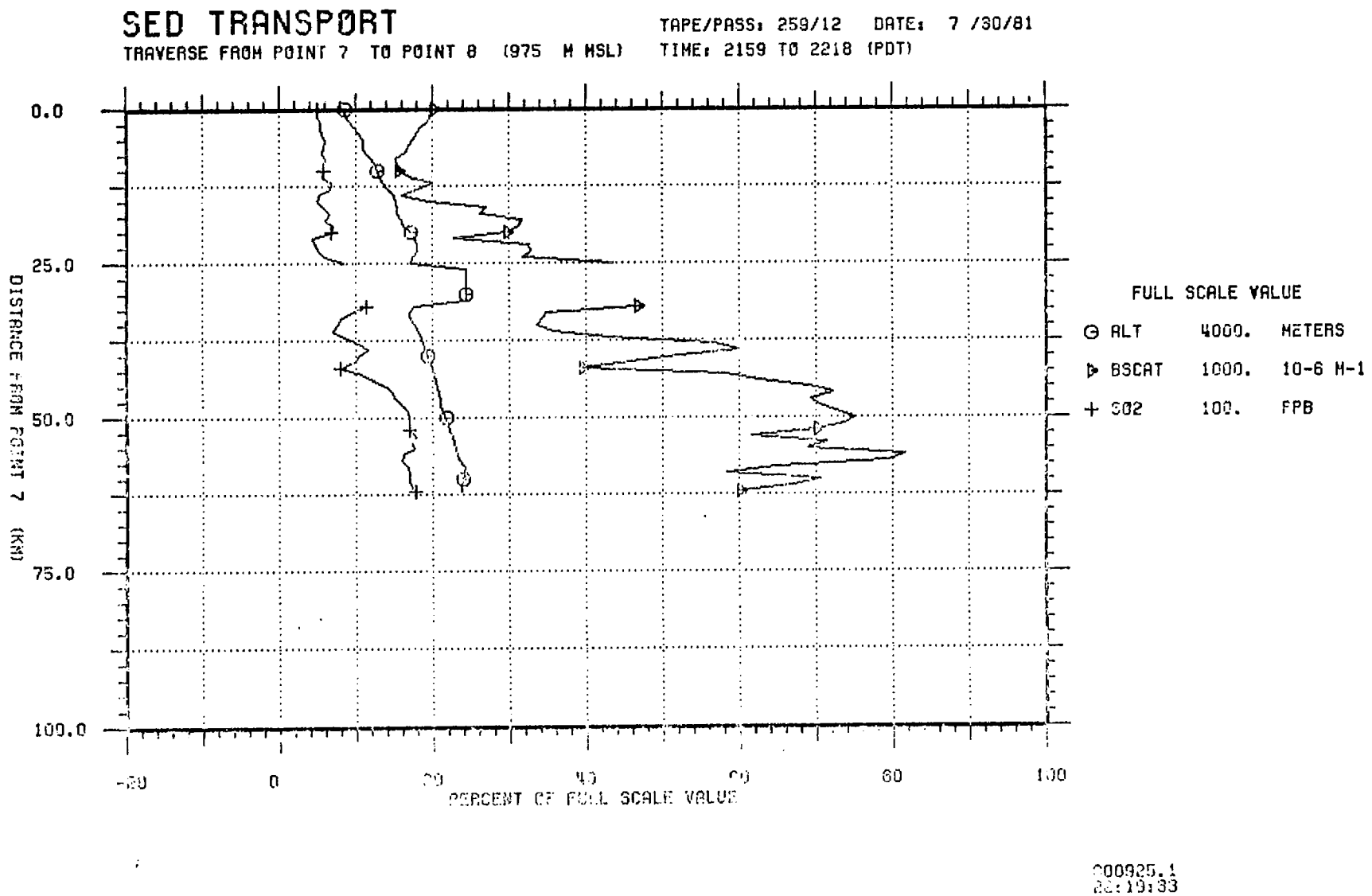
TAPE/PASS: 259/9 DATE: 7 /30/81
TIME: 1845 TØ 1860 (PDT)

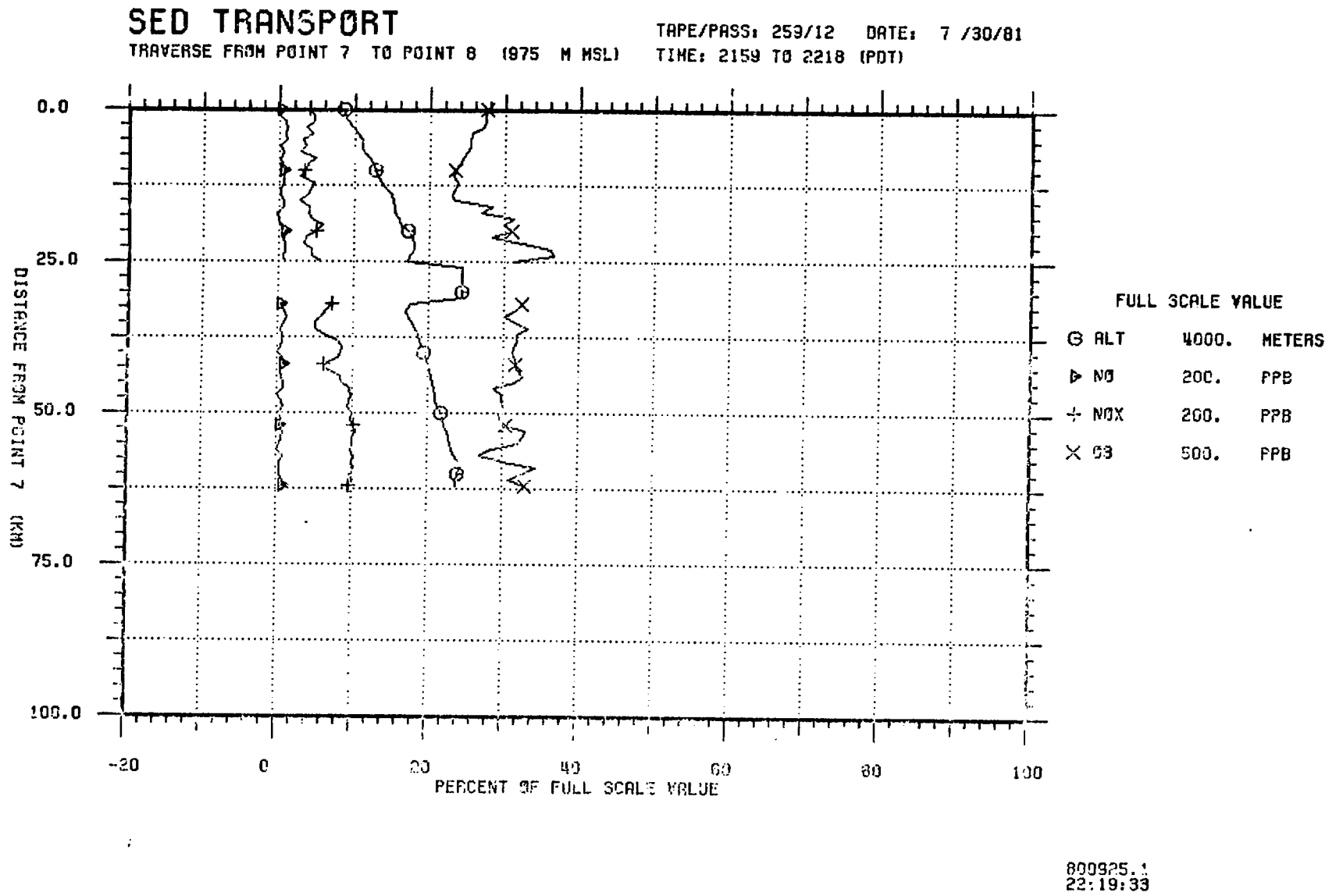


800925.1
21:51:23


SED TRANSPORT
SPIRAL AT POINT 7
TAPE/PASS: 259/9 DATE: 7 /30/81
TIME: 1845 TO 1960 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
800925.1
21:51:23


SED TRANSPORT
SPIRAL AT POINT 7
TAPE/PASS: 259/10 DATE: 7 /30/81
TIME: 2121 TO 2135 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800825.1
21:51:23


SED TRANSPORT
TRAVERSE FROM POINT 7 TO POINT 8 (975 M MSL)
TAPE/PASS: 259/12 DATE: 7 /30/81
TIME: 2159 TO 2218 (PDT)
0.0
25.0
50.0
75.0
100.0
DISTANCE FROM POINT 7 (KM)
-20
0
20
40
60
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
000925.1
22:19:33

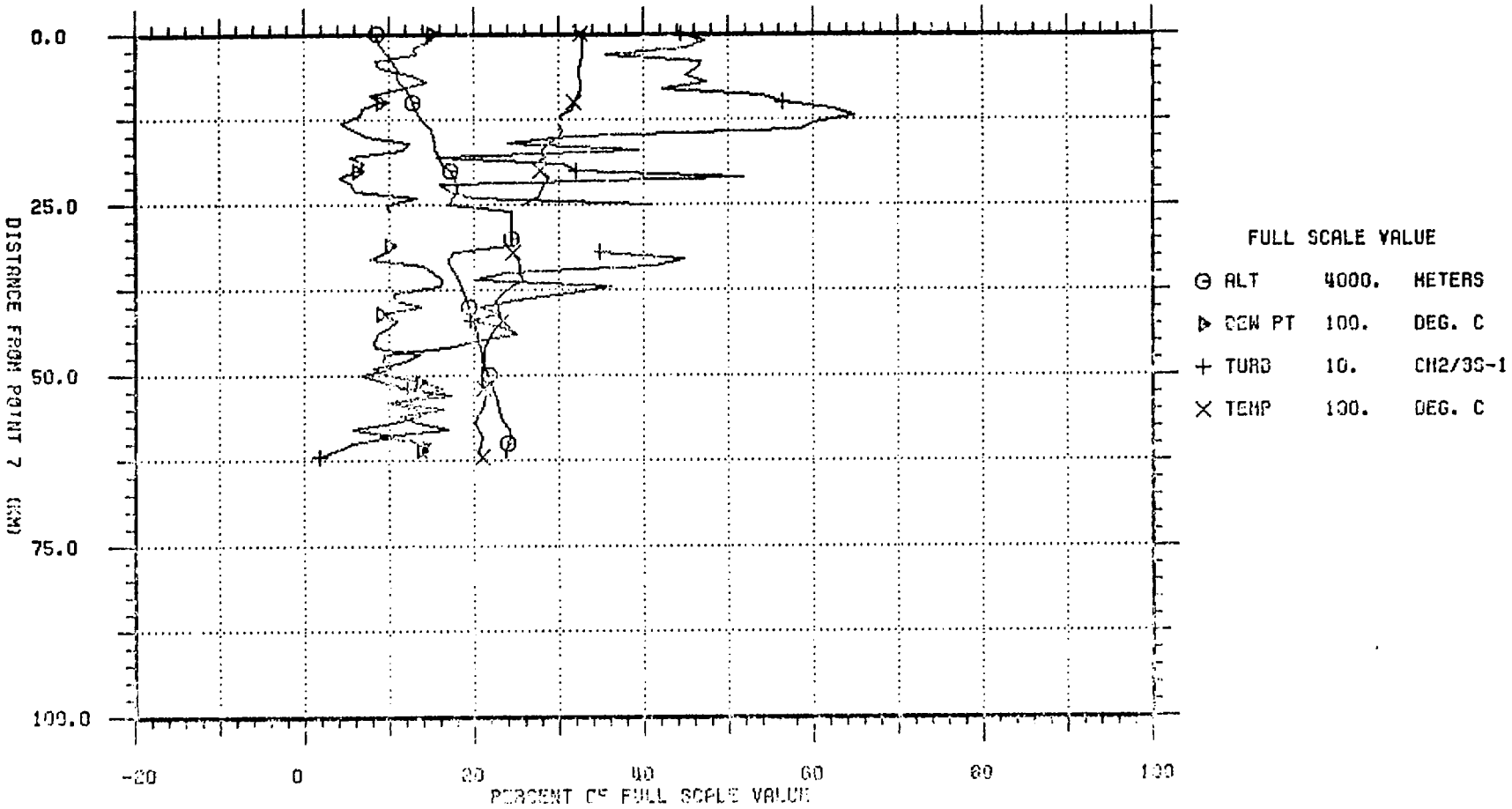

SED TRANSPORT
TRAVERSE FROM POINT 7 TO POINT 8 (975 M MSL)
TAPE/PASS: 259/12 DATE: 7 /30/81
TIME: 2159 TO 2218 (PDT)
DISTANCE FROM POINT 7 (KM)
0.0
25.0
50.0
75.0
100.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
22:19:33

SED TRANSPORT

TRAVERSE FROM POINT 7 TO POINT 8 (975 M MSL)

TAPE/PASS: 250/12 DATE: 7 /30/81

TIME: 2159 TO 2218 (PDT)



TEST 7 - AUGUST 3-4, 1981

MRI FLIGHT SUMMARY

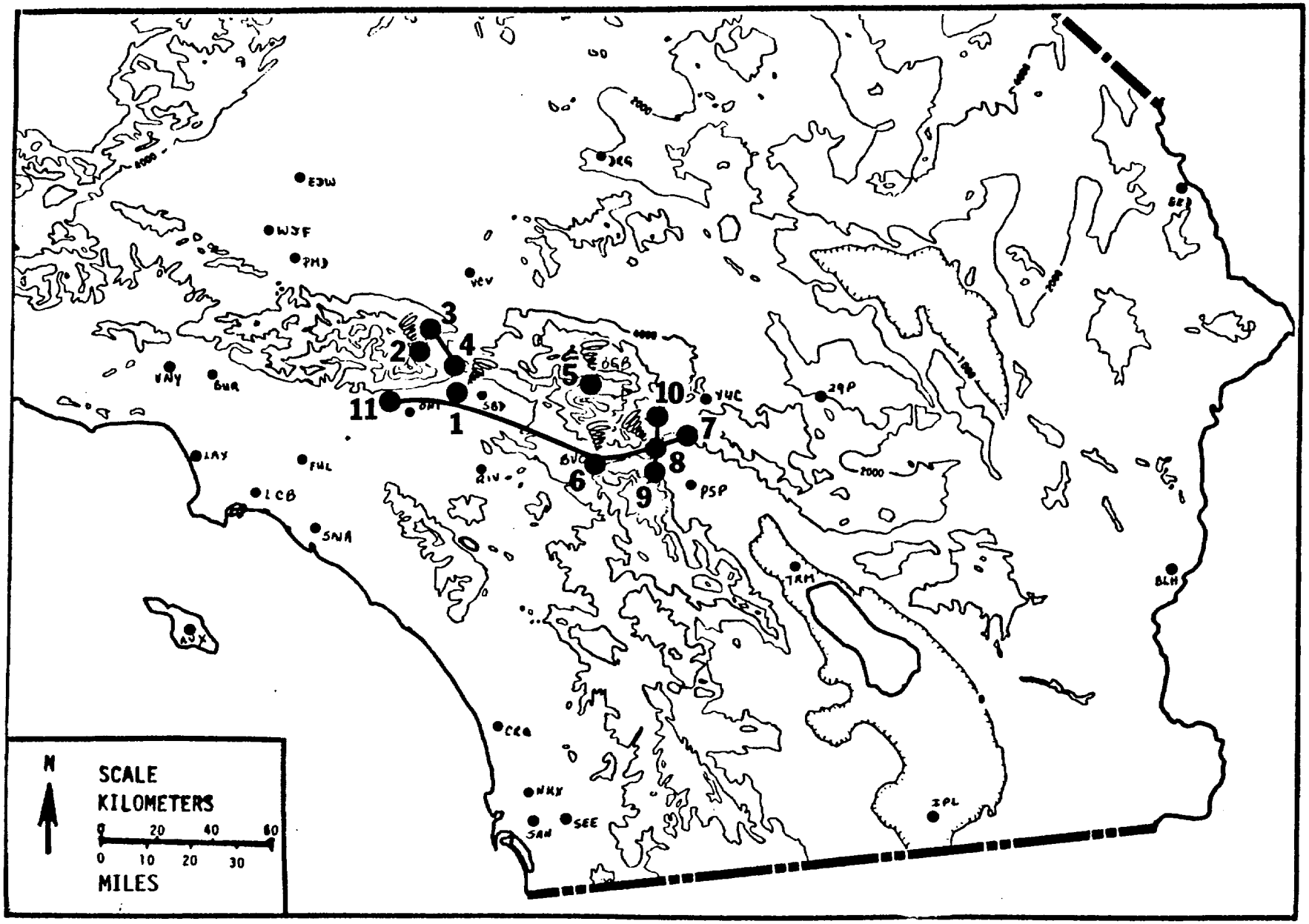
Date: August 3, 1981 — SOUTHEAST DESERT OZONE TRANSPORT STUDY — Tape #: 260

Pass No.	Sampling Times (PDT) Start	End	Flight Type	End Points	Sampling Altitude m MSL Start	End	Traverse Length or Orbit Time	Tracer Samples	COMMENTS
1	1620	1638	Spiral	1	462-	2438	N.A.	J1-14	Sfc Elev = 457 m
2	1645	1659	Spiral	2	3048-	884	N.A.	J15-29	Sfc Elev = 793 m
3	1703	1706	Traverse	3 - 4	1189-	1113	12.1 Km.	J30-34	Within 305 m of terrain
4	1727	1740	Spiral	5	3505-	1676	N.A.	J35-47	Bottom of canyon ≈1556 m
5	1754	1814	Spiral	6	3353-	664	N.A.	J48-66	Sfc Elev = 659 m
6	1821	1830	Traverse	6 - 7	1524		29.0 Km.	J67-74	
7	1836	1901	Spiral	8	427-	3048	N.A.	J75-92	Sfc Elev = 418 m
8	1903	1921	Zero Spiral		3048-	762	N.A.	0	Instrument calibration
9	1926	1928	Traverse	9 - 10	1219		9.7 Km.	J93-98	
10	1931	2003	Traverse	8 - 11	1067		93.4 Km.	J99-115	

3 August 1981 Tape #260

TRAVERSE END POINT AND SPIRAL LOCATIONS

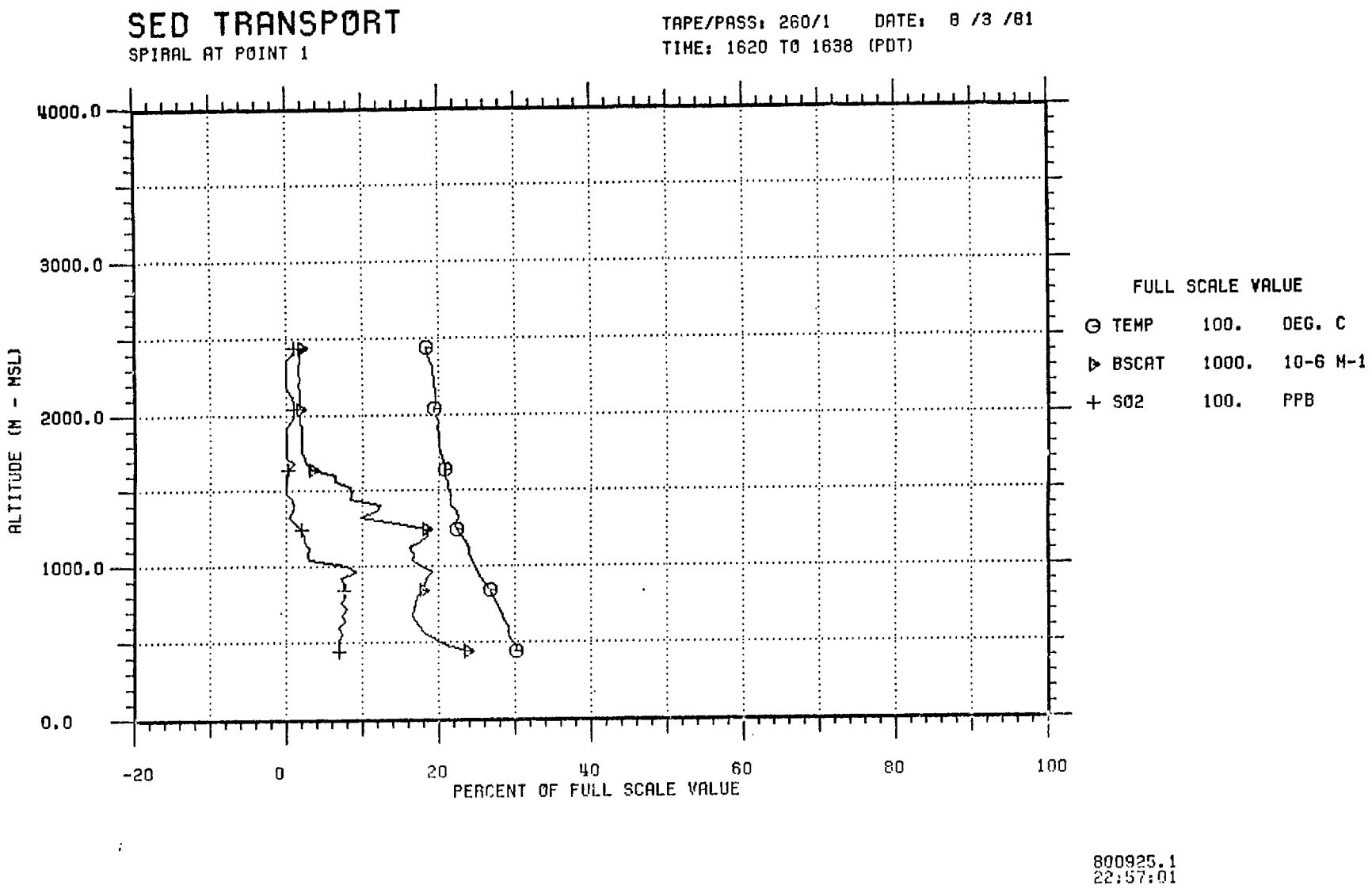
POINT	LATITUDE	LONGITUDE	DESCRIPTION
1	34°07.5'	117°23'	Rialto Airport
2	34°17.3'	117°27.5'	2 miles south of Cajon Junction
3	34°18.8'	117°28.5'	Cajon Junction
4	34°13.2'	117°24.5'	Intersection of I15 and Devore Fwy
5	34°10.0'	116°55.5'	Santa Ana River Canyon
6	33°55.0'	116°51.3'	Banning
7	33°55.5'	116°32.5'	7.5 miles east of Point 8
8	33°55.2'	116°40.5'	Intersection of Hwys 10 & 111
9	33°53.7'	116°41.7'	South side Banning Pass
10	33°58.5'	116°38.8'	North side Banning Pass
11	34°07.0'	117°41.0'	Cable Airport

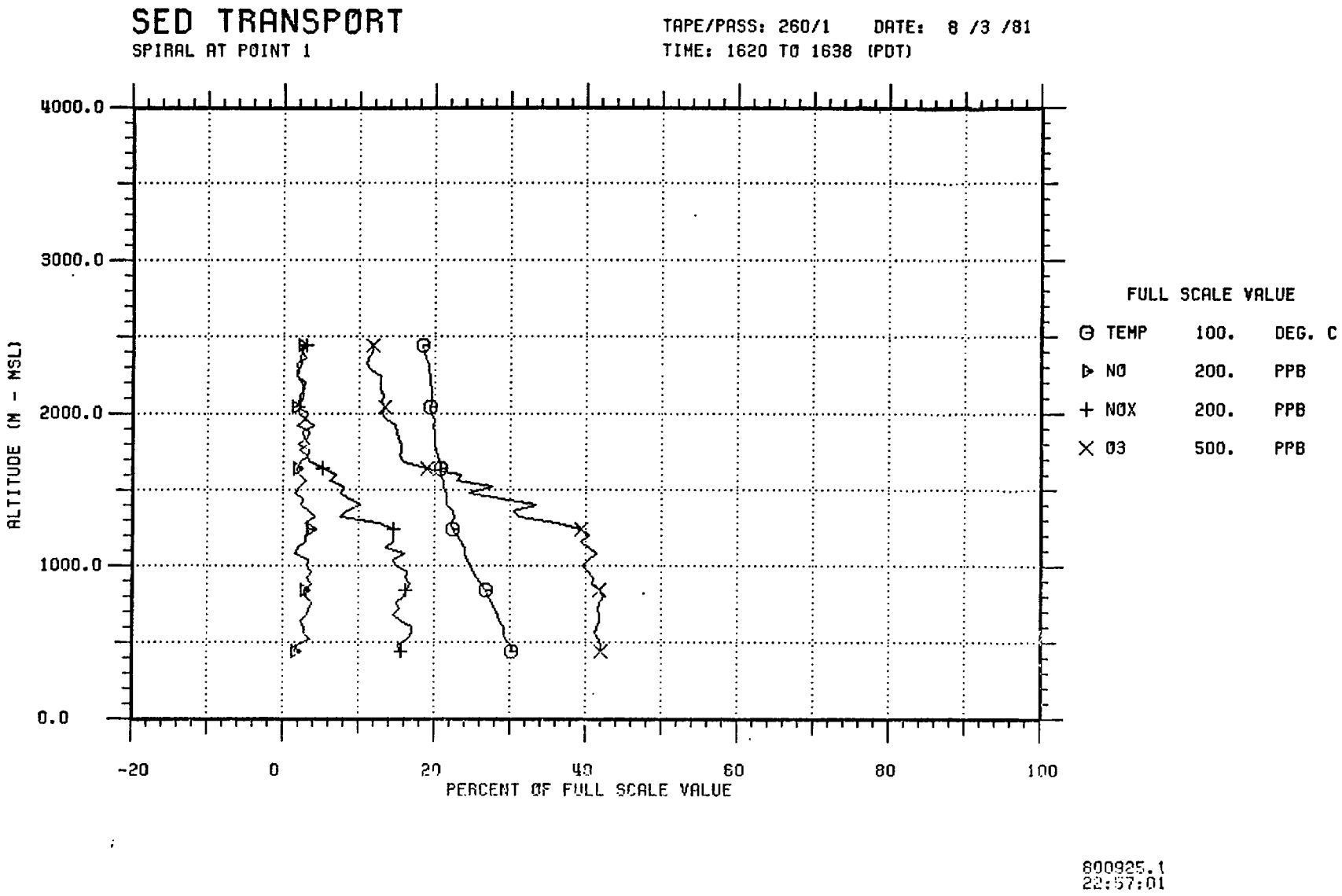


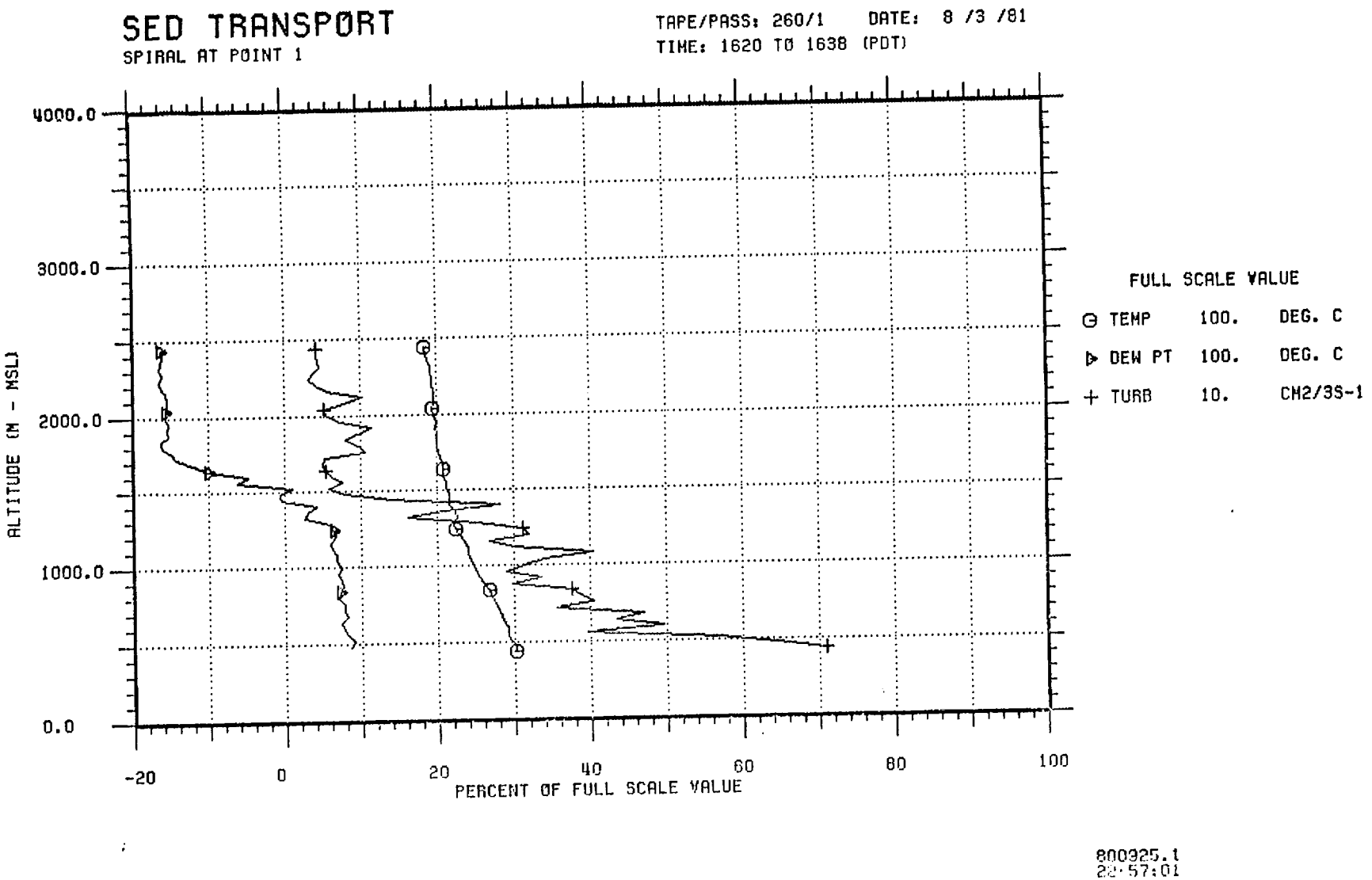
SOUTHEAST DESERT OZONE TRANSPORT STUDY

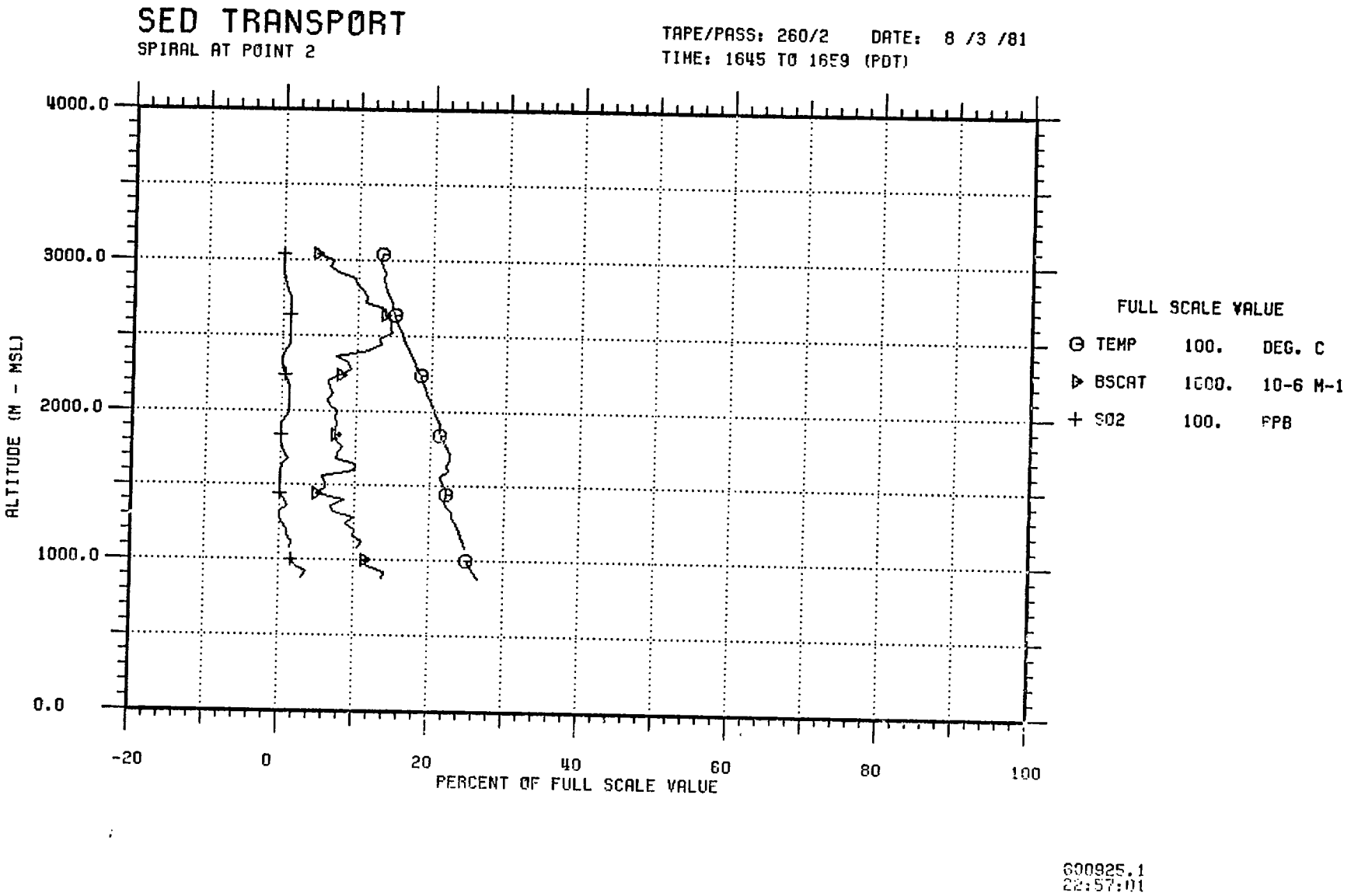
MRI SAMPLING FLIGHT

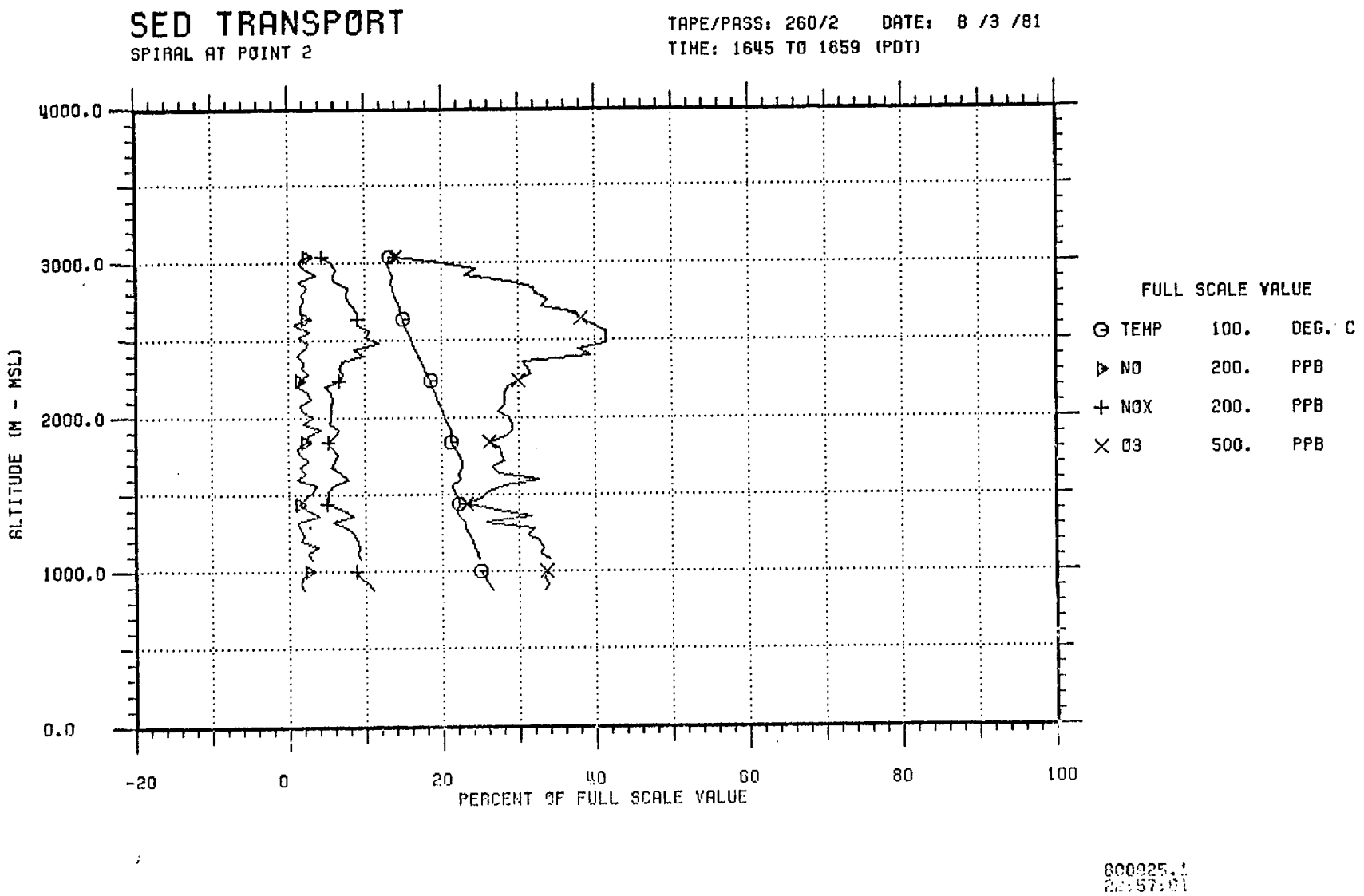
August 3, 1981 Tape #260

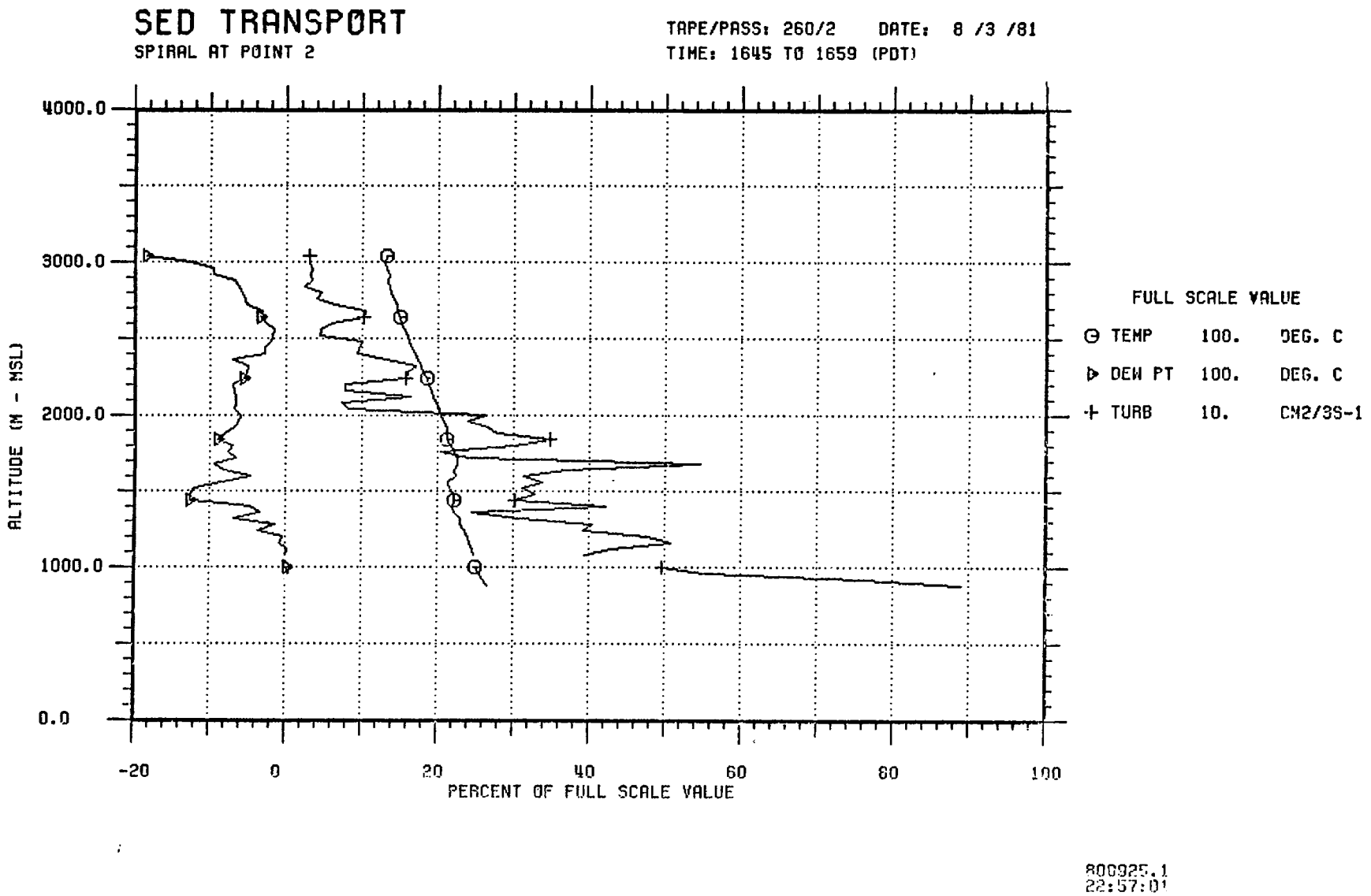

SED TRANSPORT
SPIRAL AT POINT 1
TAPE/PASS: 260/1 DATE: 8 /3 /81
TIME: 1620 TO 1638 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
22:57:01

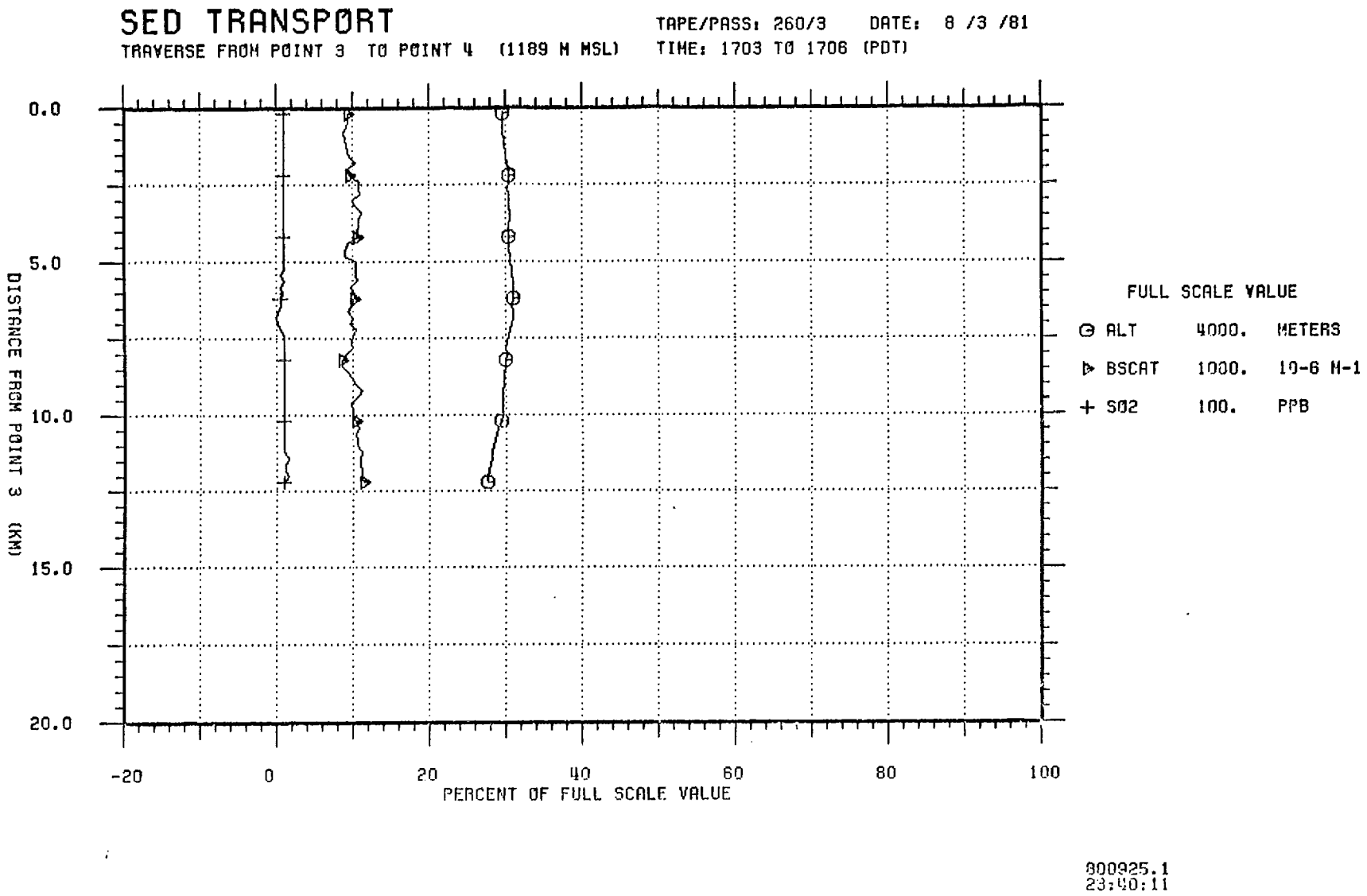

SED TRANSPORT
SPIRAL AT POINT 1
TAPE/PASS: 260/1 DATE: 8 /3 /81
TIME: 1620 TO 1638 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
22:57:01

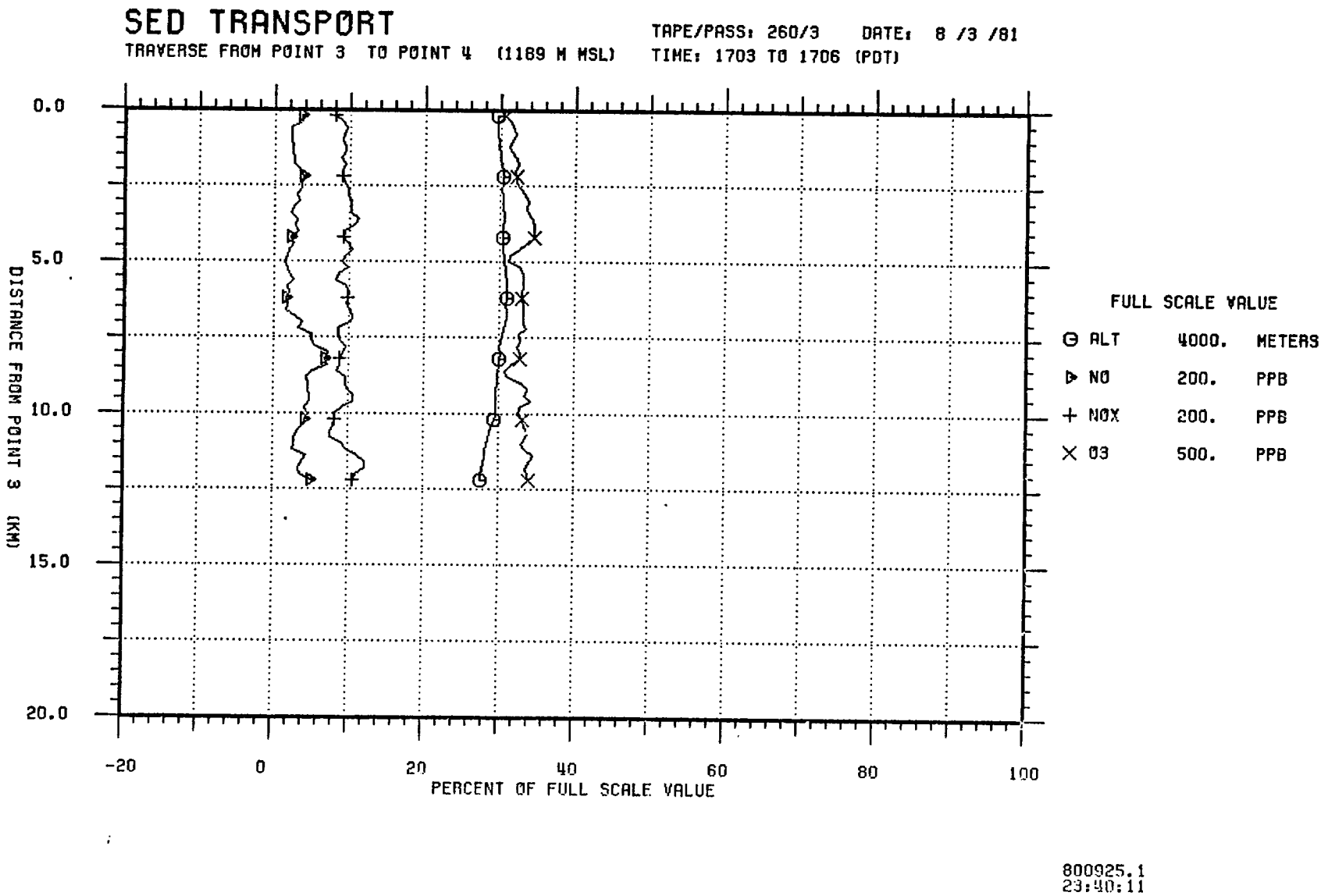

SED TRANSPØRT
SPIRAL AT POINT 1
TAPE/PASS: 260/1 DATE: 8 /3 /81
TIME: 1620 TØ 1638 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
800925.1
22:57:01

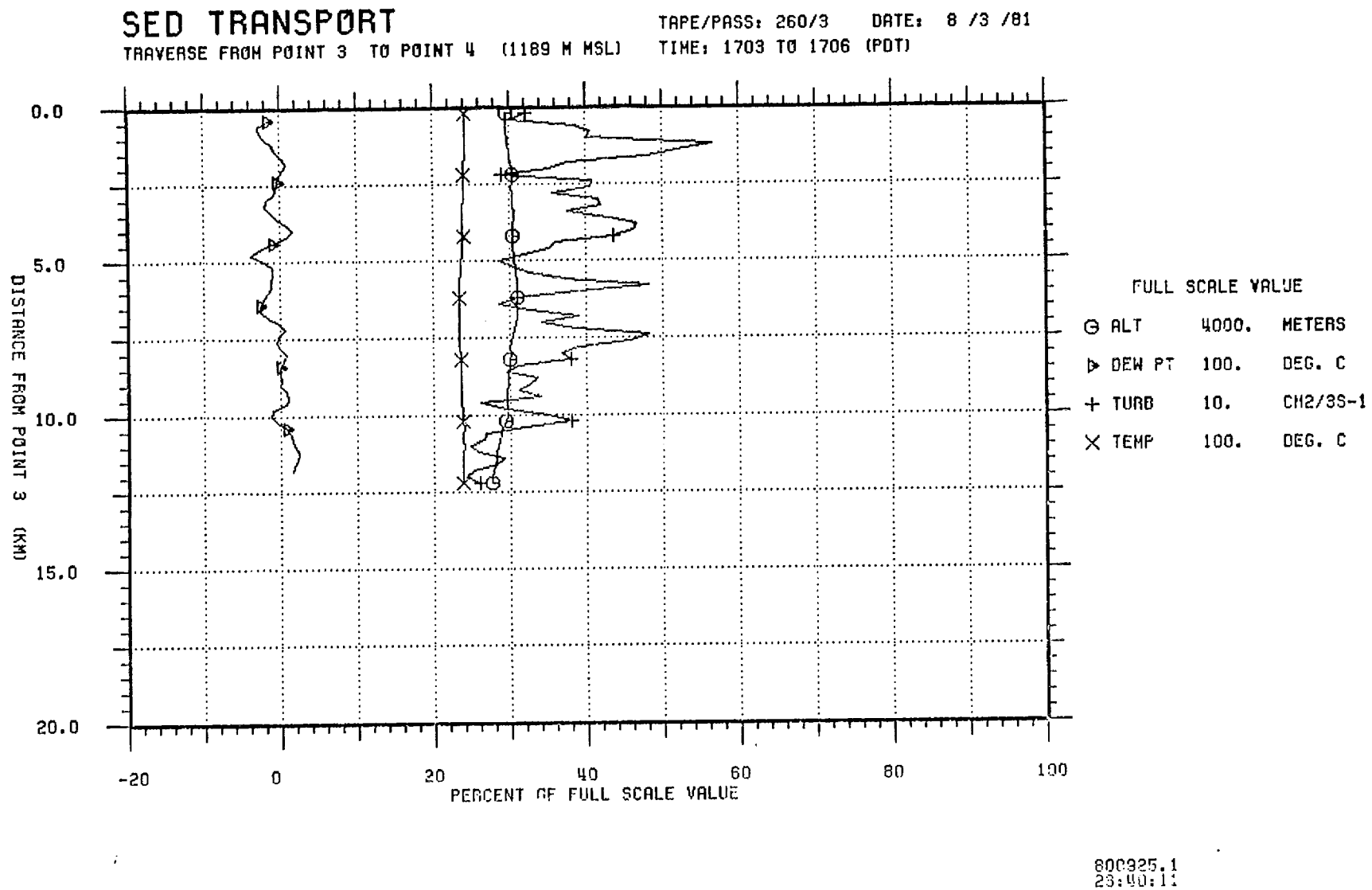

SED TRANSPORT
SPIRAL AT POINT 2
TAPE/PASS: 260/2 DATE: 8 /3 /81
TIME: 1645 TO 1659 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
22:57:01

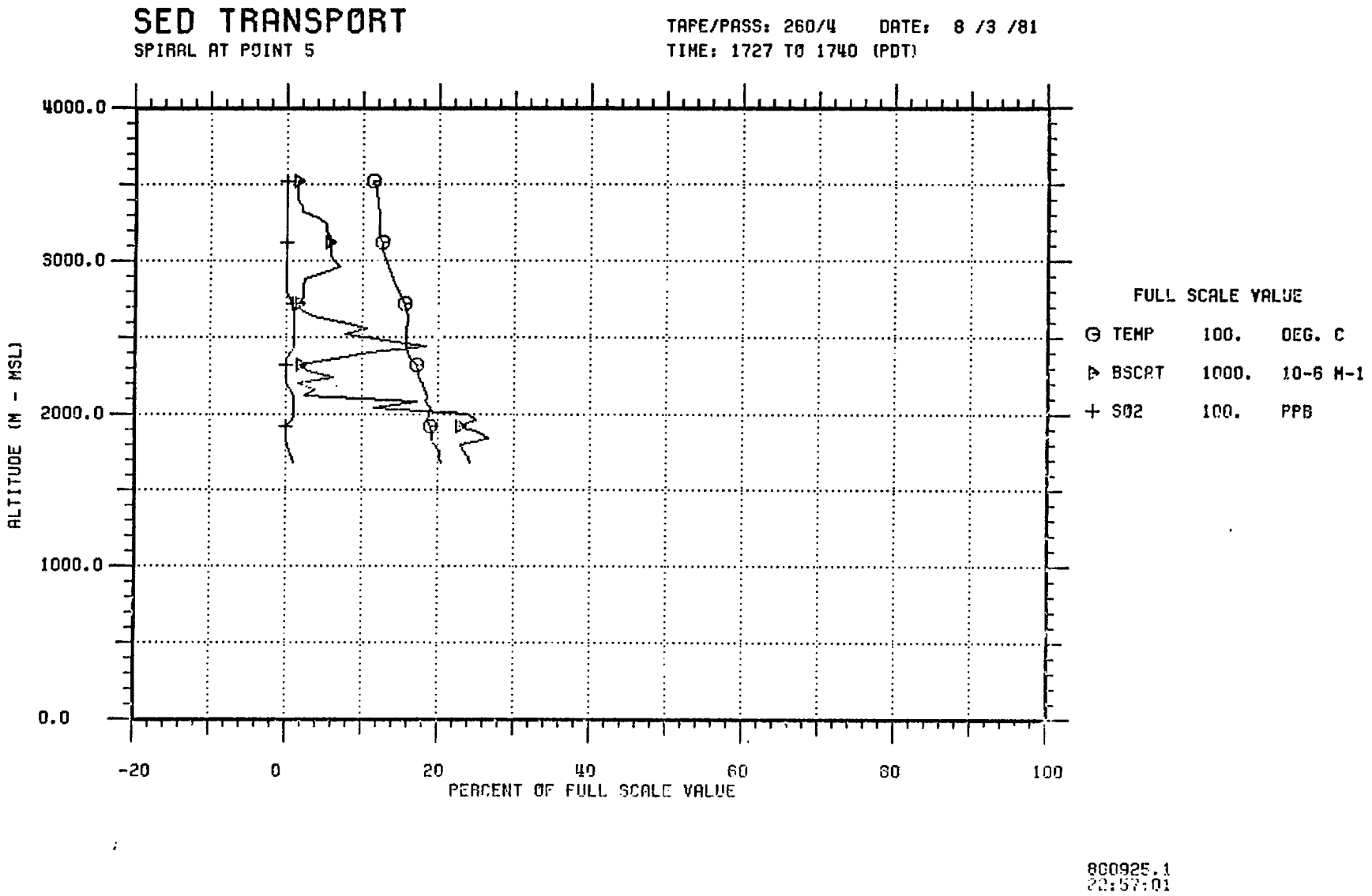

SED TRANSPORT
SPIRAL AT POINT 2
TAPE/PASS: 260/2 DATE: 8 /3 /81
TIME: 1645 TO 1659 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
2:57:01

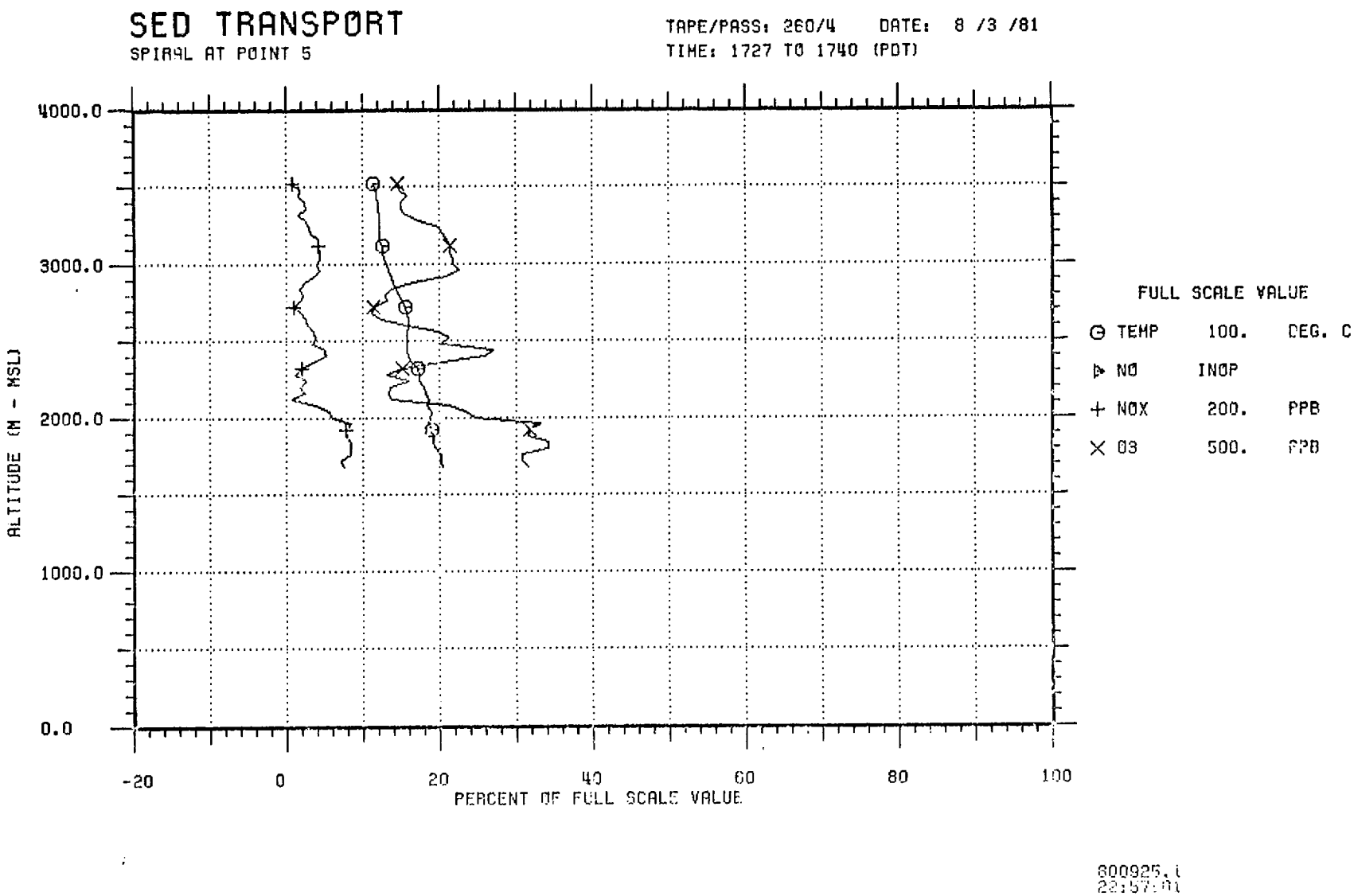

SED TRANSPORT
SPIRAL AT POINT 2
TAPE/PASS: 260/2 DATE: 8 /3 /81
TIME: 1645 TO 1659 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
800925.1
22:57:01


SED TRANSPORT
TRAVERSE FROM POINT 3 TO POINT 4 (1189 M MSL)
TAPE/PASS: 260/3 DATE: 8 /3 /81
TIME: 1703 TO 1706 (PDT)
DISTANCE FROM POINT 3 (KM)
0.0
5.0
10.0
15.0
20.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
23:40:11


SED TRANSPORT
TRAVERSE FROM POINT 3 TO POINT 4 (1189 M MSL)
TAPE/PASS: 260/3 DATE: 8 /3 /81
TIME: 1703 TO 1706 (PDT)
DISTANCE FROM POINT 3 (KM)
0.0
5.0
10.0
15.0
20.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800925.1
23:40:11


SED TRANSPØRT
TRAVERSE FROM POINT 3 TØ POINT 4 (1189 M MSL)
TAPE/PASS: 260/3 DATE: 8 /3 /81
TIME: 1703 TØ 1706 (PDT)
DISTANCE FROM POINT 3 (KM)
0.0
5.0
10.0
15.0
20.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800325.1
23:40:11

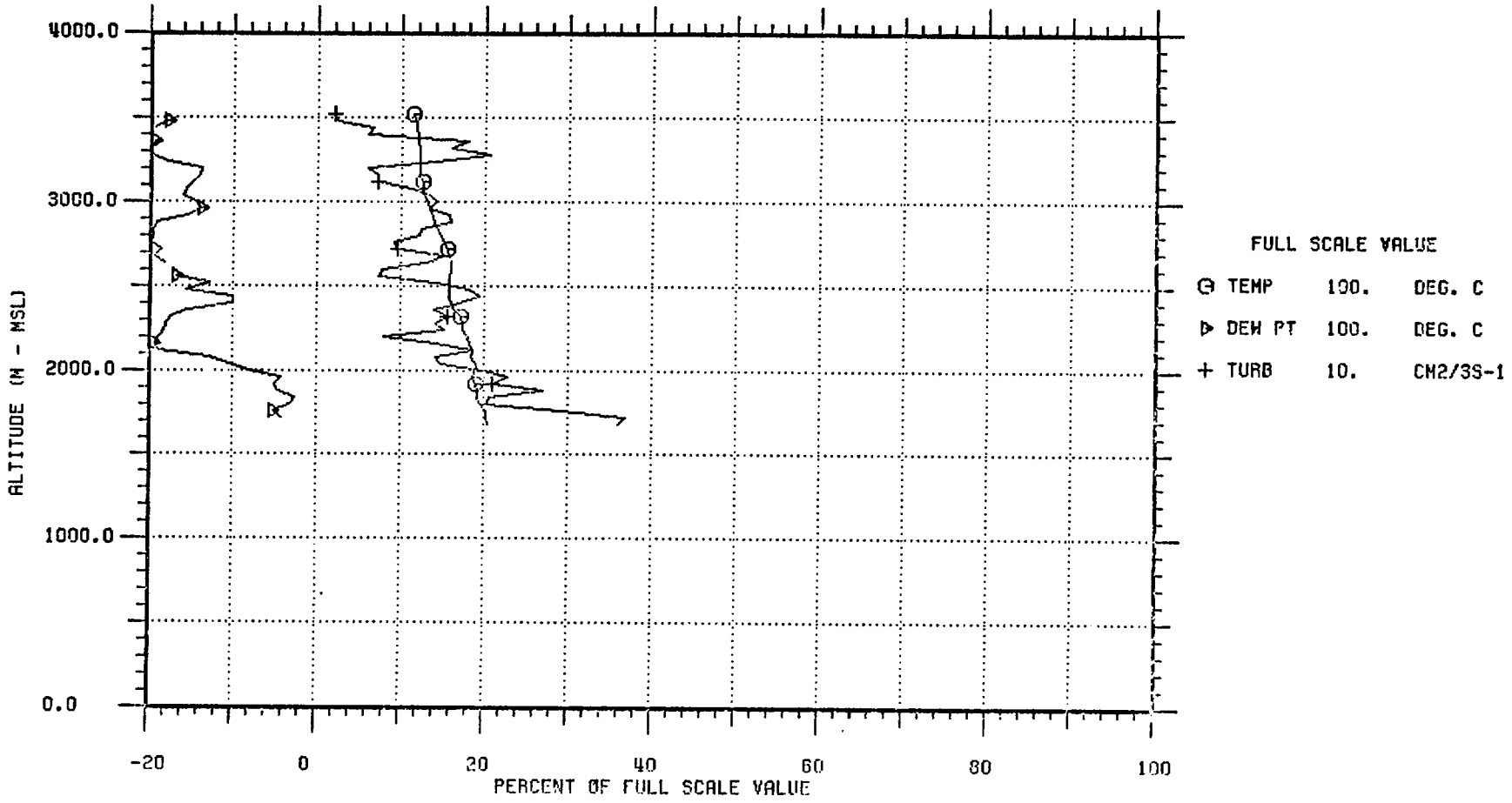

SED TRANSPORT
SPIRAL AT POINT 5
TAPE/PASS: 260/4 DATE: 8 /3 /81
TIME: 1727 TO 1740 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
20:57:01


SED TRANSPORT
SPIRAL AT POINT 5
TAPE/PASS: 260/4 DATE: 8 /3 /81
TIME: 1727 TO 1740 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO INOP
NOX 200. PPB
O3 500. PPB
800925.1
22:57:01

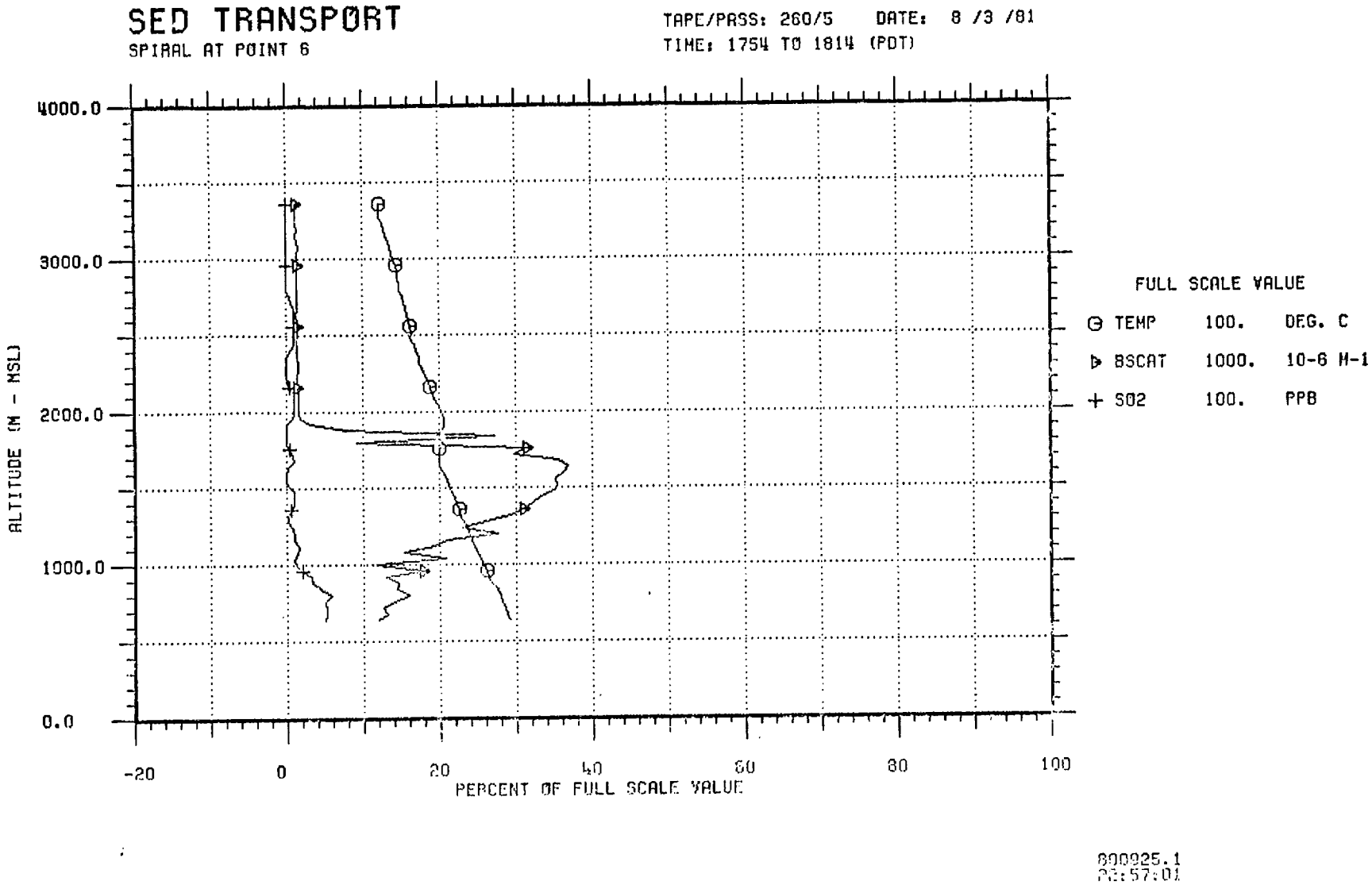
SED TRANSPORT

SPIRAL AT POINT 5

TAPE/PASS: 260/4 DATE: 8 /3 /81
TIME: 1727 TO 1740 (PDT)



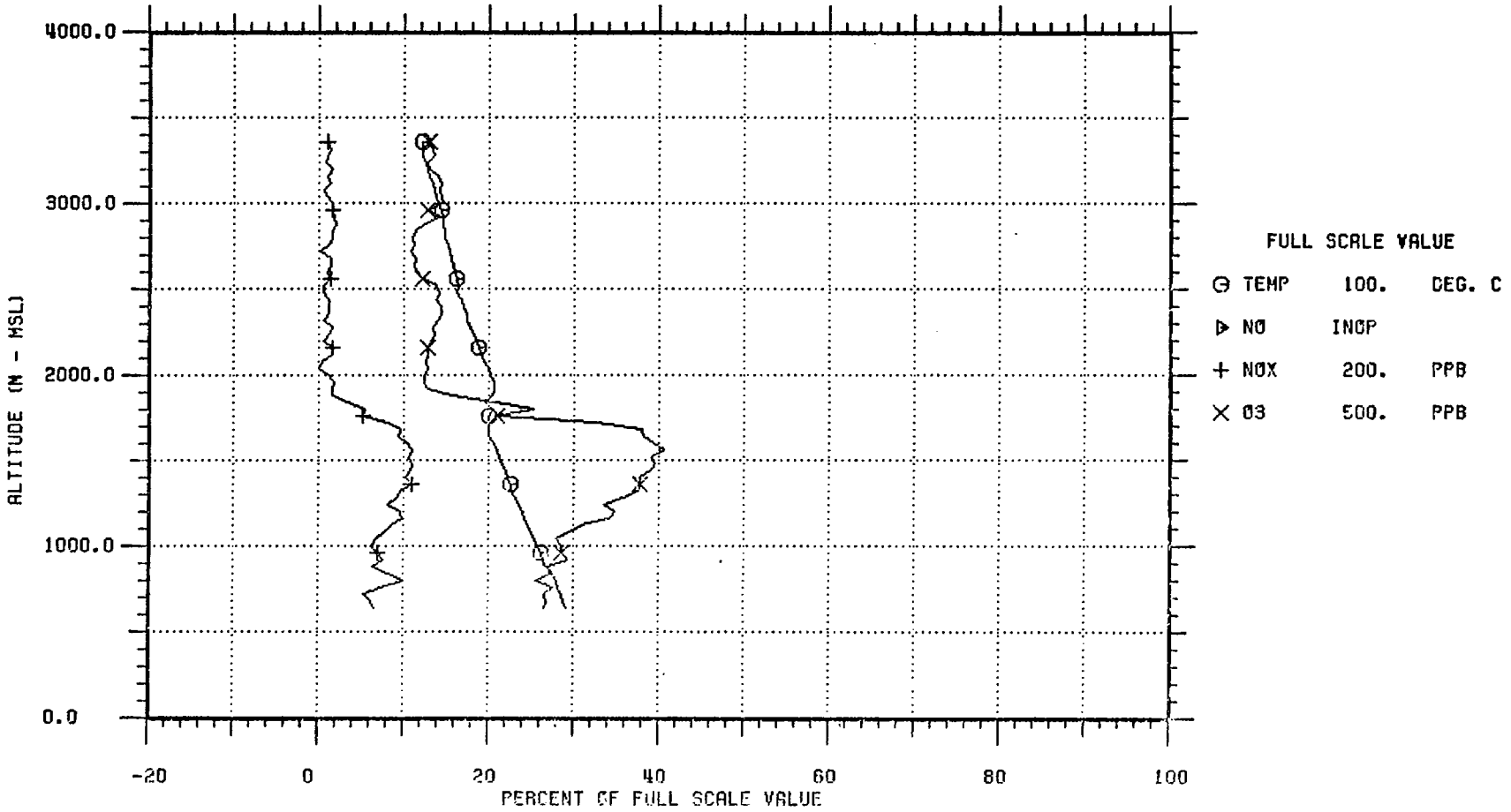
800925.1
22:57:01


SED TRANSPORT
SPIRAL AT POINT 6
TAPE/PASS: 260/5 DATE: 8 /3 /81
TIME: 1754 TO 1814 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
20:57:01

SED TRANSPORT

SPIRAL AT POINT 6

TAPE/PASS: 260/5 DATE: 8 /3 /81
TIME: 1754 TO 1814 (PDT)

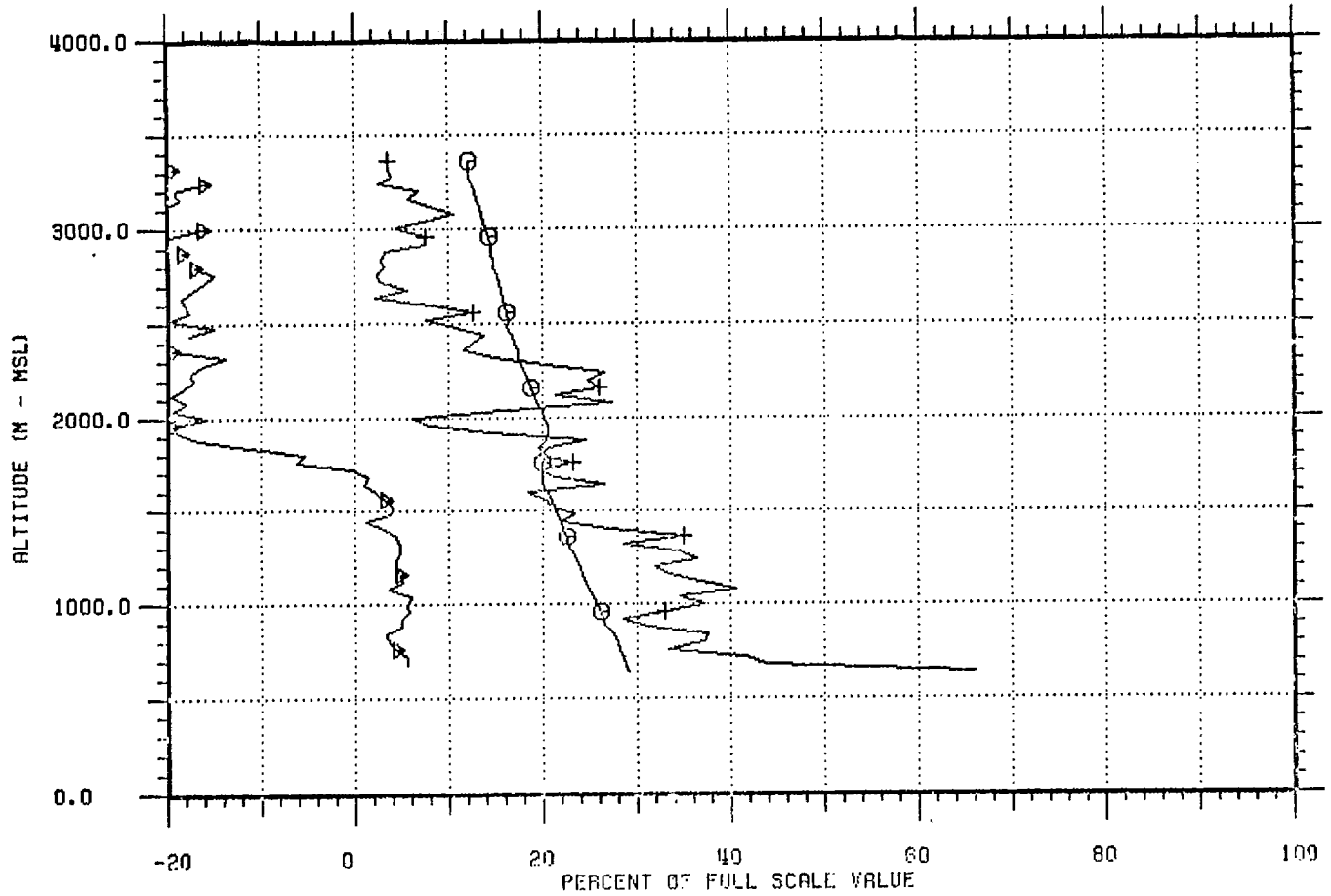


800925.1
22:57:01

SED TRANSPORT

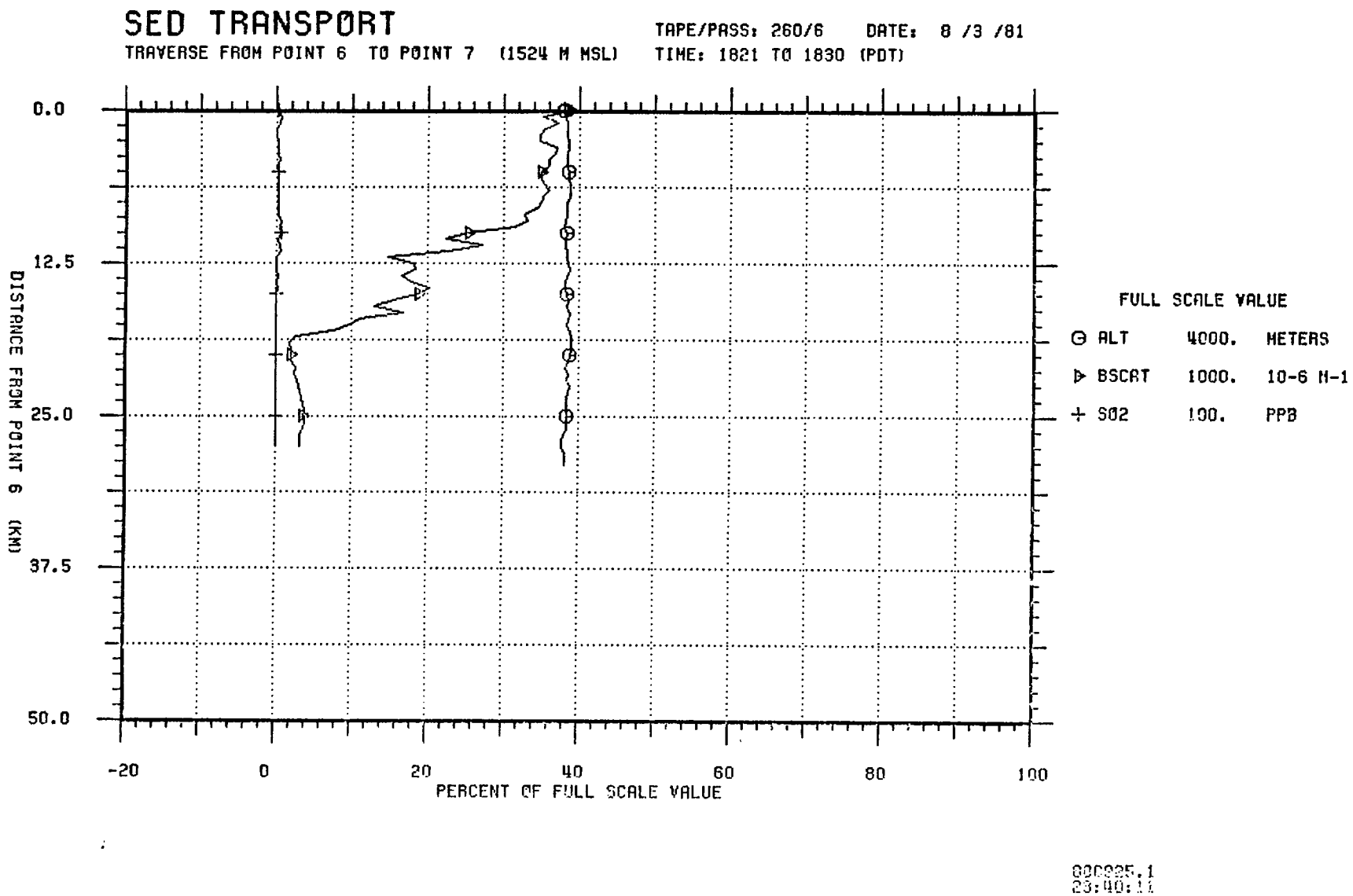
SPIRAL AT POINT 6

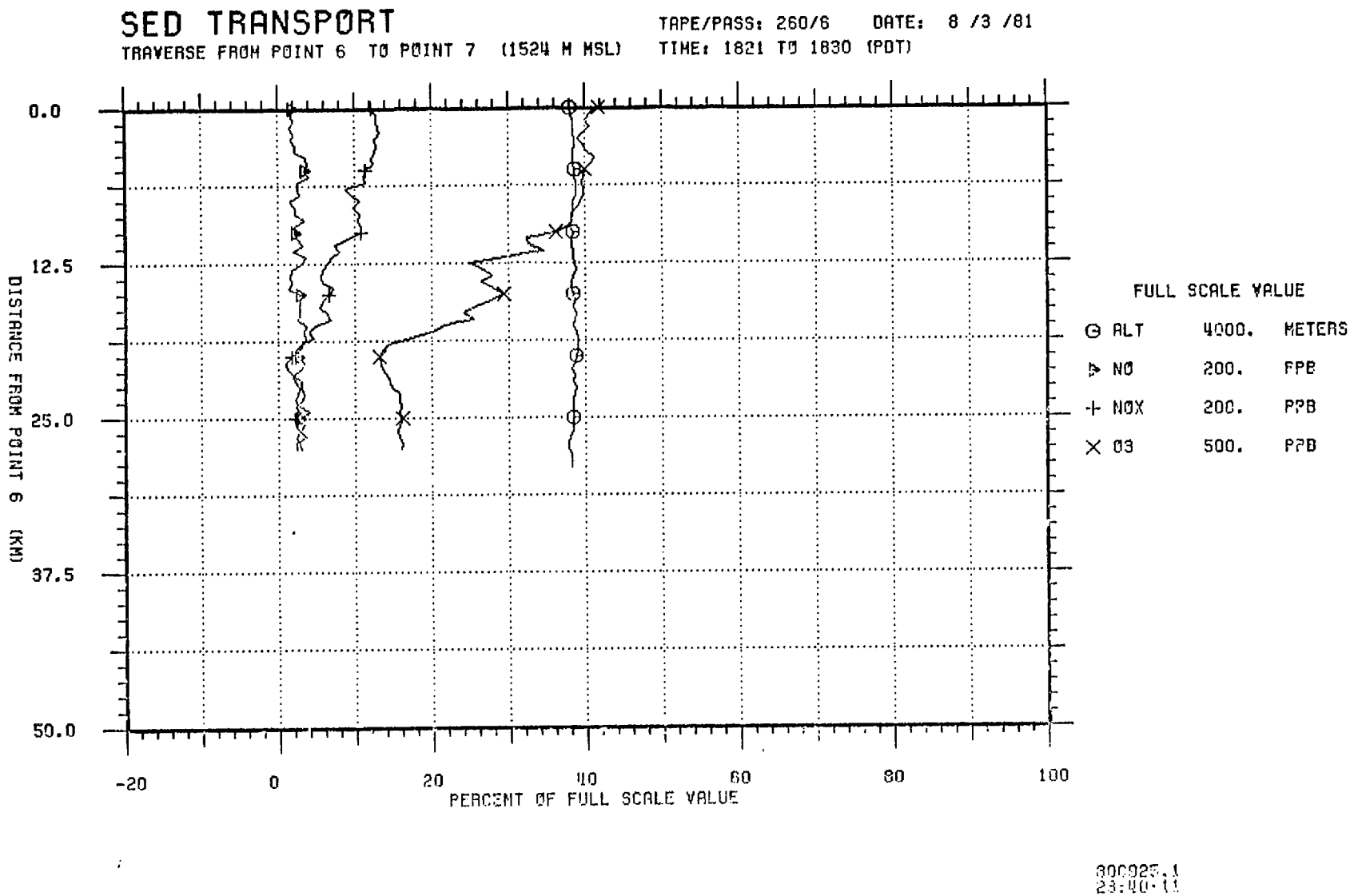
TAPE/PASS: 260/5 DATE: 8 /3 /81
TIME: 1754 TO 1814 (PDT)

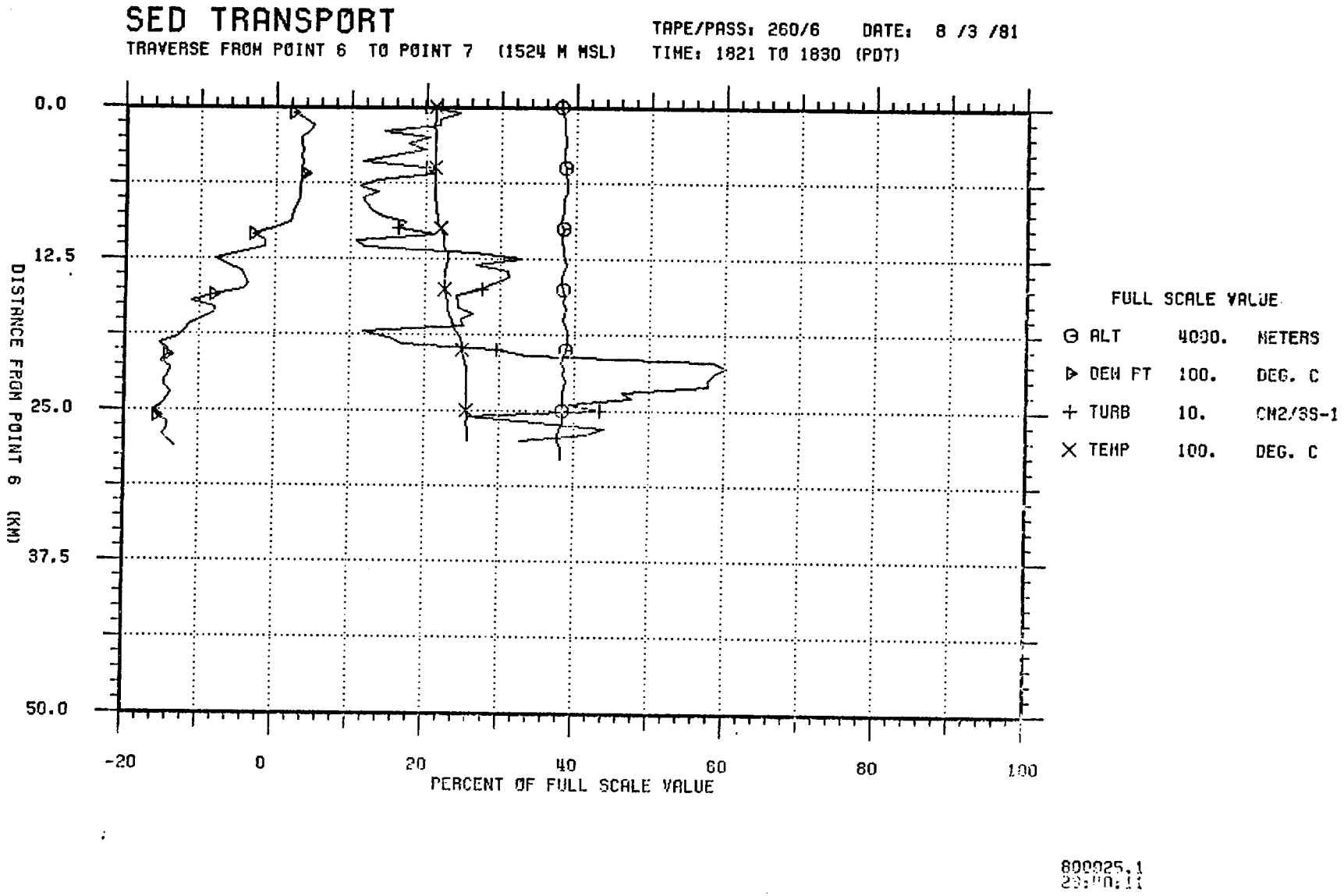


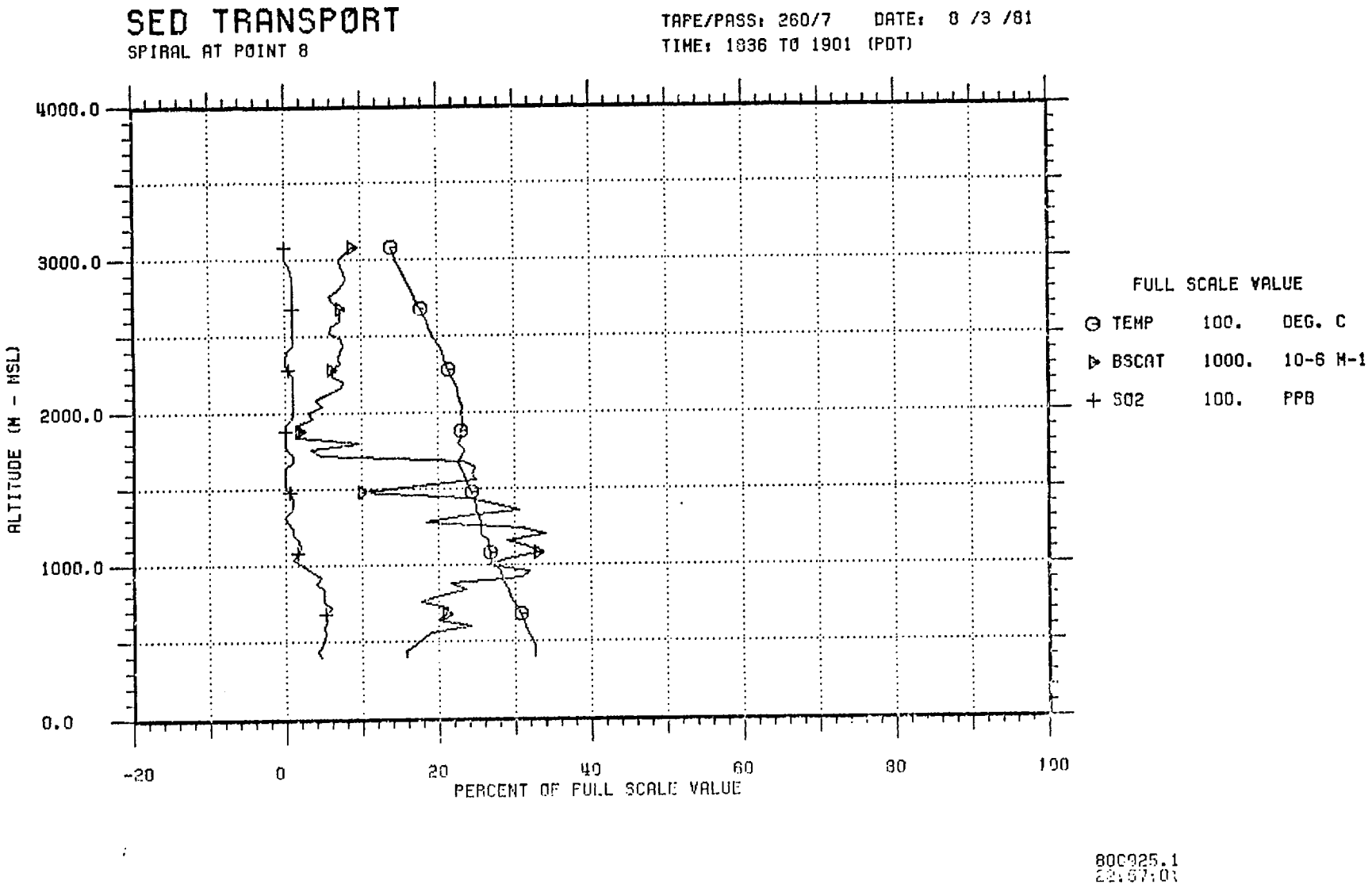
	FULL SCALE VALUE	
⊖ TEMP	100.	DEG. C
▷ DEW PT	100.	DEG. C
+ TURB	10.	CM2/3S-1

800925.1
23:57:01


SED TRANSPØRT
TRAVERSE FROM POINT 6 TO POINT 7 (1524 M MSL)
TAPE/PASS: 260/6 DATE: 8 /3 /81
TIME: 1821 TO 1830 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 6 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
000925.1
23:40:11


SED TRANSPORT
TRAVERSE FROM POINT 6 TO POINT 7 (1524 M MSL)
TAPE/PASS: 260/6 DATE: 8 /3 /81
TIME: 1821 TO 1830 (PDT)
DISTANCE FROM POINT 6 (KM)
0.0
12.5
25.0
37.5
50.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800825.1
23:40:11

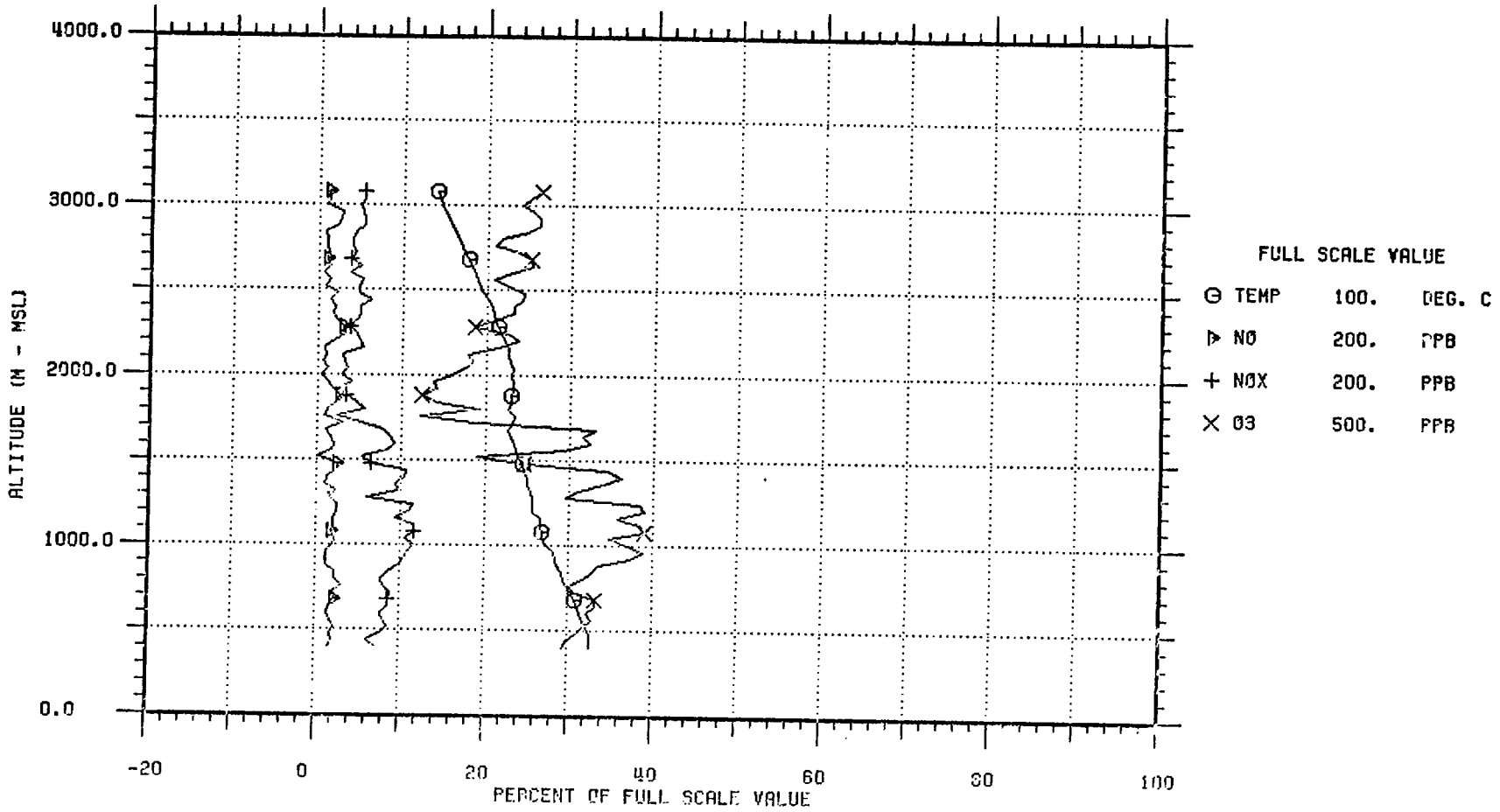

SED TRANSPORT
TRAVERSE FROM POINT 6 TO POINT 7 (1524 M MSL)
TAPE/PASS: 260/6 DATE: 8 /3 /81
TIME: 1821 TO 1830 (PDT)
0.0
12.5
25.0
37.5
50.0
DISTANCE FROM POINT 6 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT 100. DEG. C
TURB 10. CM2/SS-1
TEMP 100. DEG. C
800925.1
23:PM:11


SED TRANSPORT
SPIRAL AT POINT 8
TAPE/PASS: 260/7 DATE: 8 /3 /81
TIME: 1836 TO 1901 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
80C925.1
22:57:01

SED TRANSPORT

SPIRAL AT POINT 8

TAPE/PASS: 260/7 DATE: 8 /3 /81
TIME: 1836 TO 1901 (PDT)

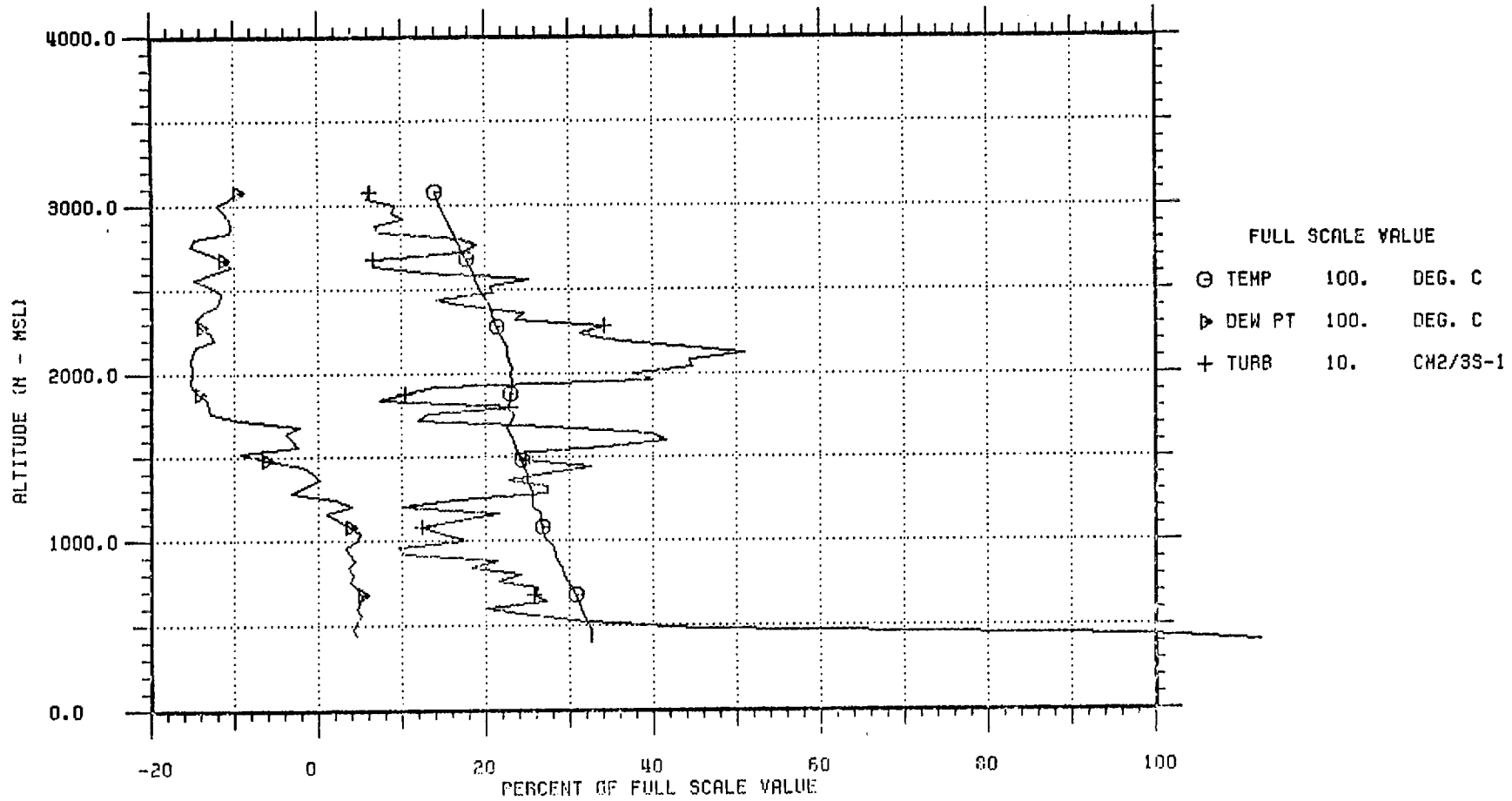


800825.1

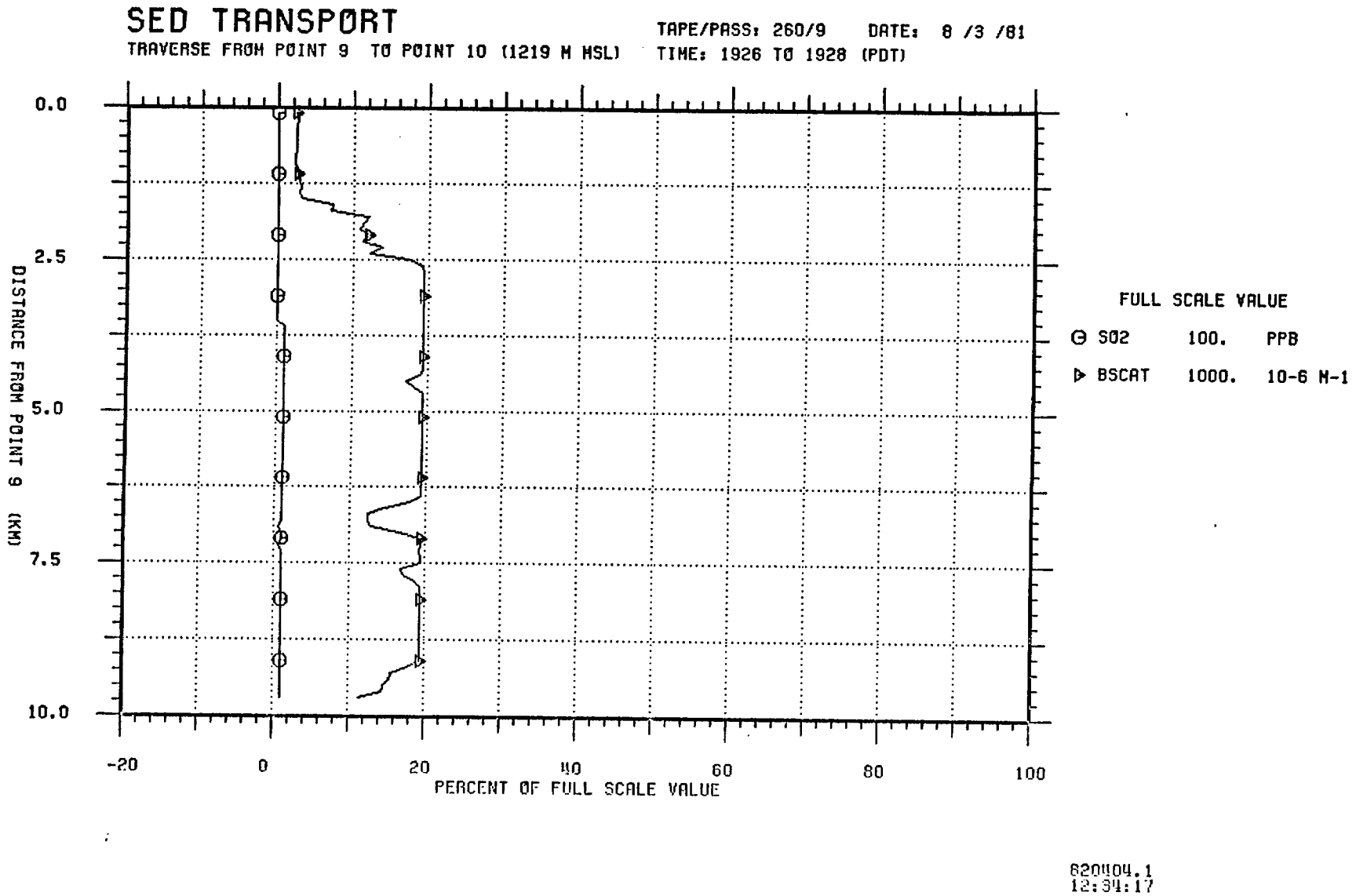
SED TRANSPØRT

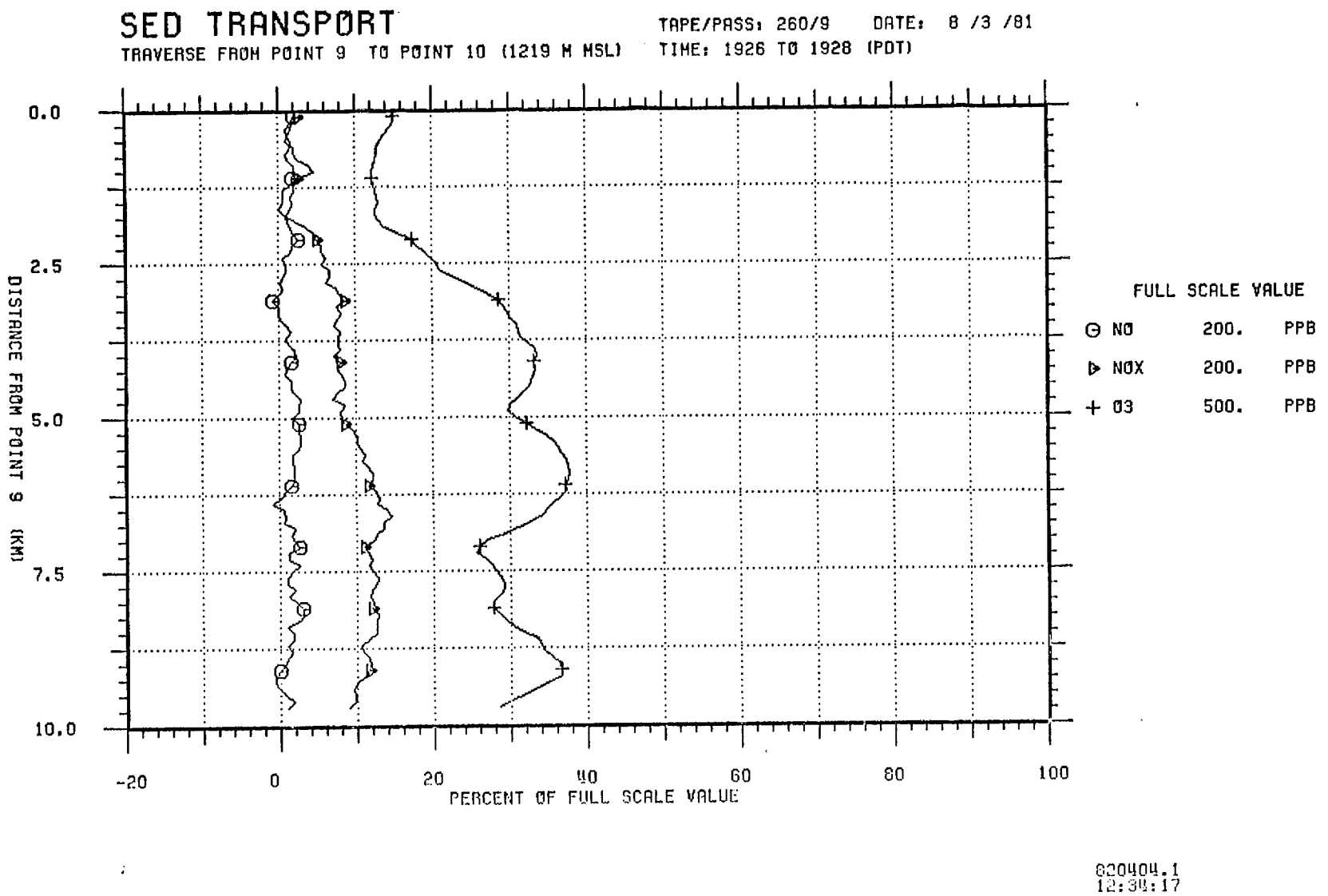
SPIRAL AT PØINT 8

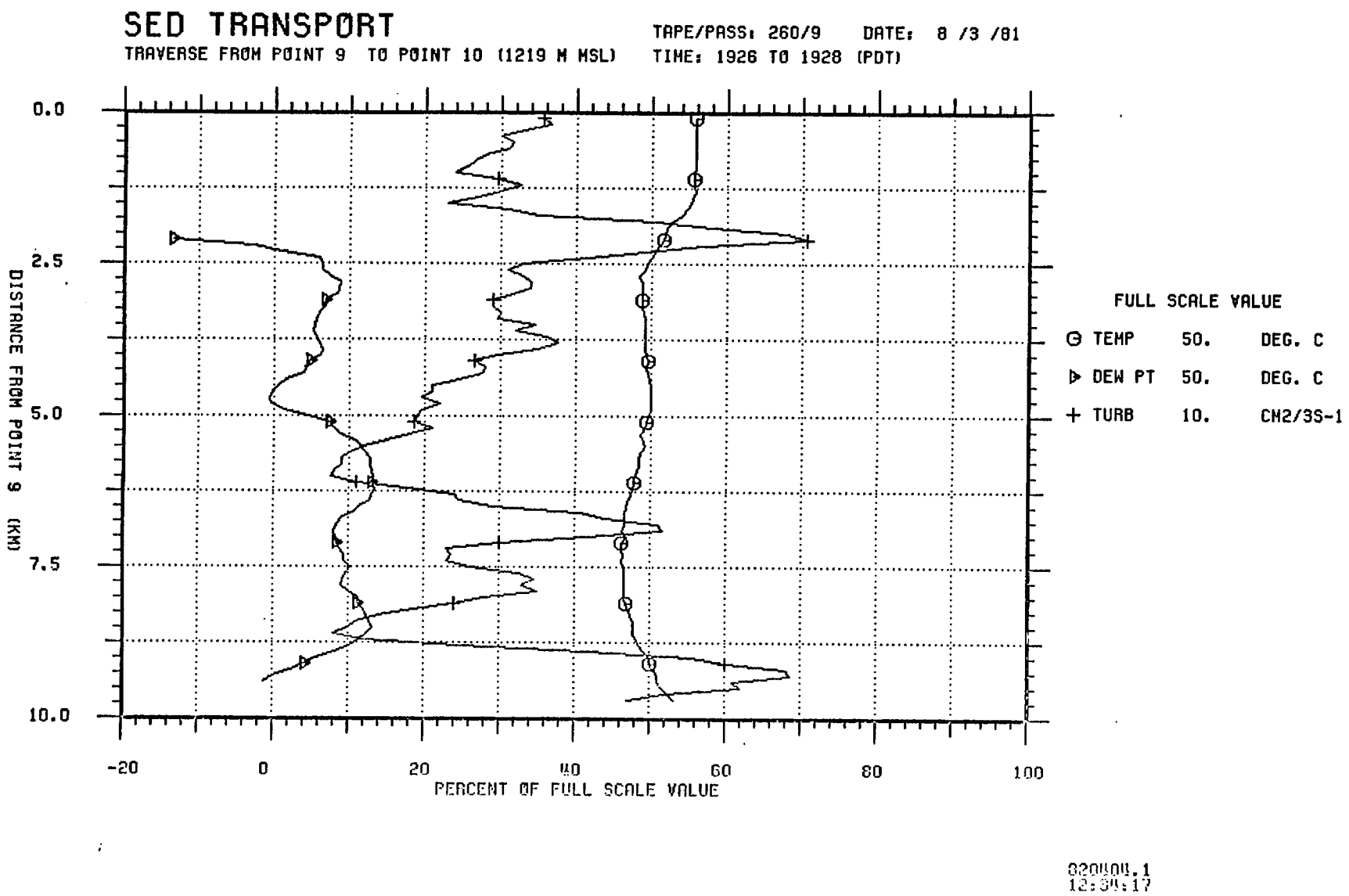
TAPE/PASS: 260/7 DATE: 8 /3 /81
TIME: 1836 TØ 1901 (PDT)

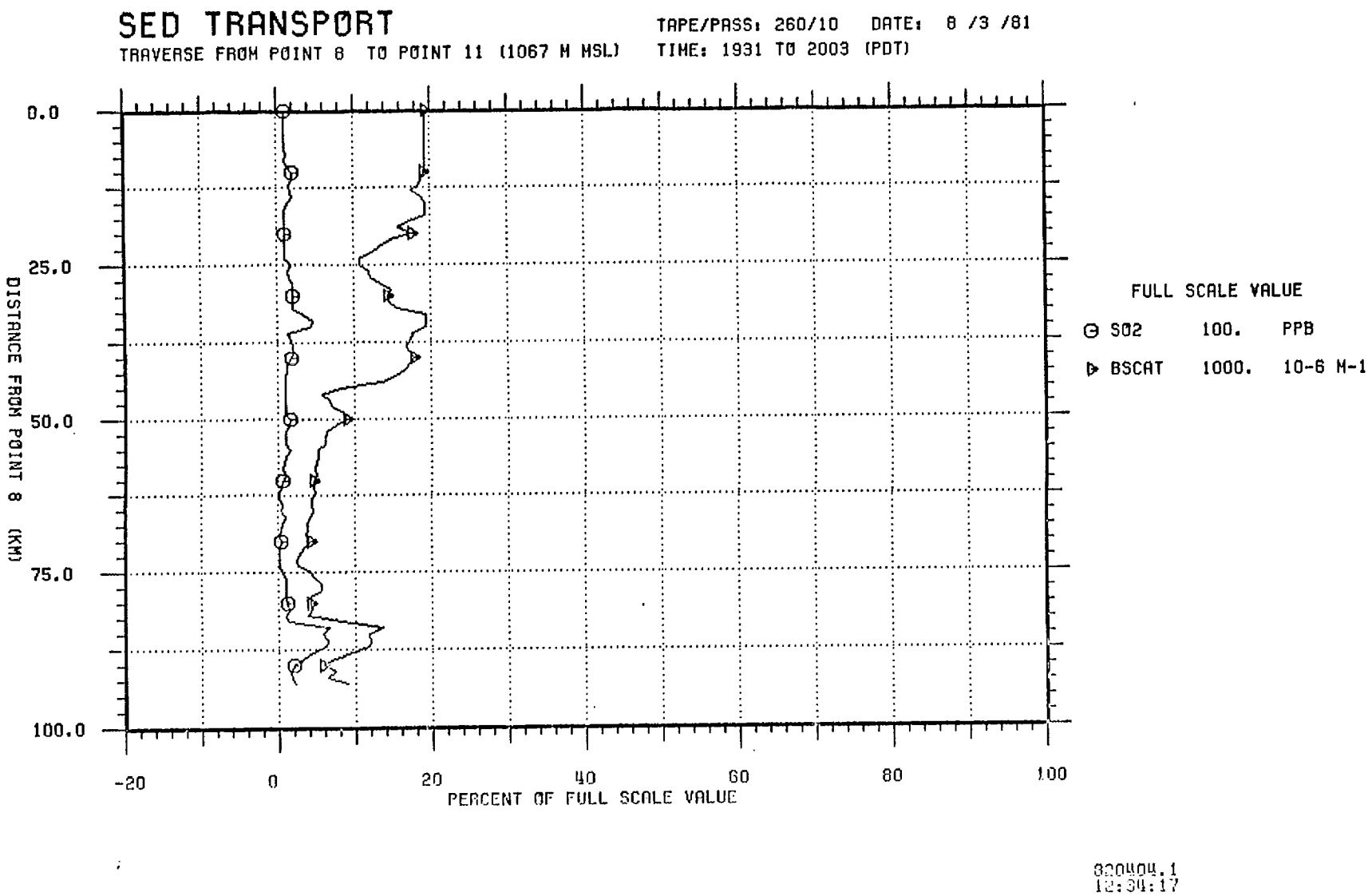


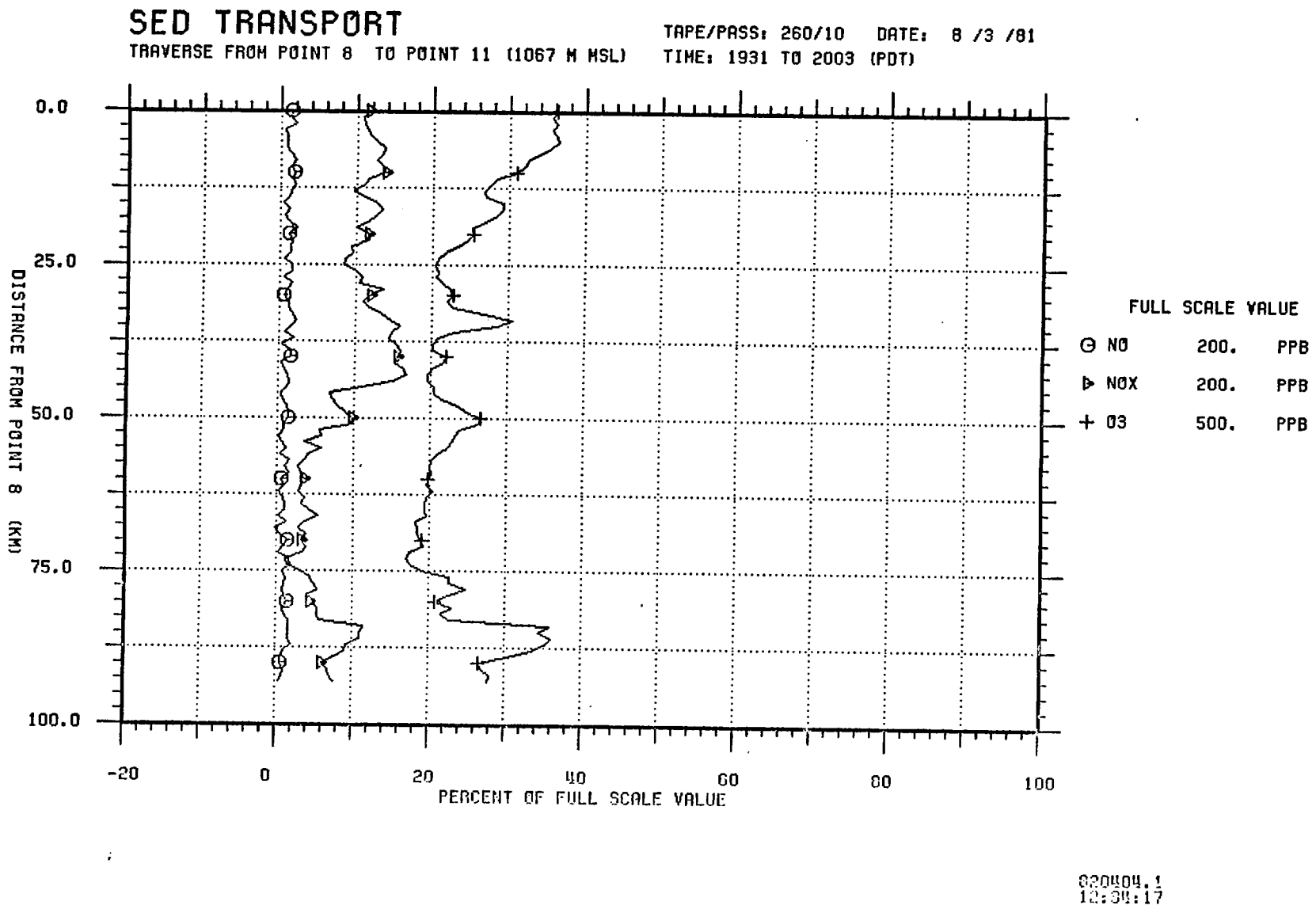
800825.1
22:57:01

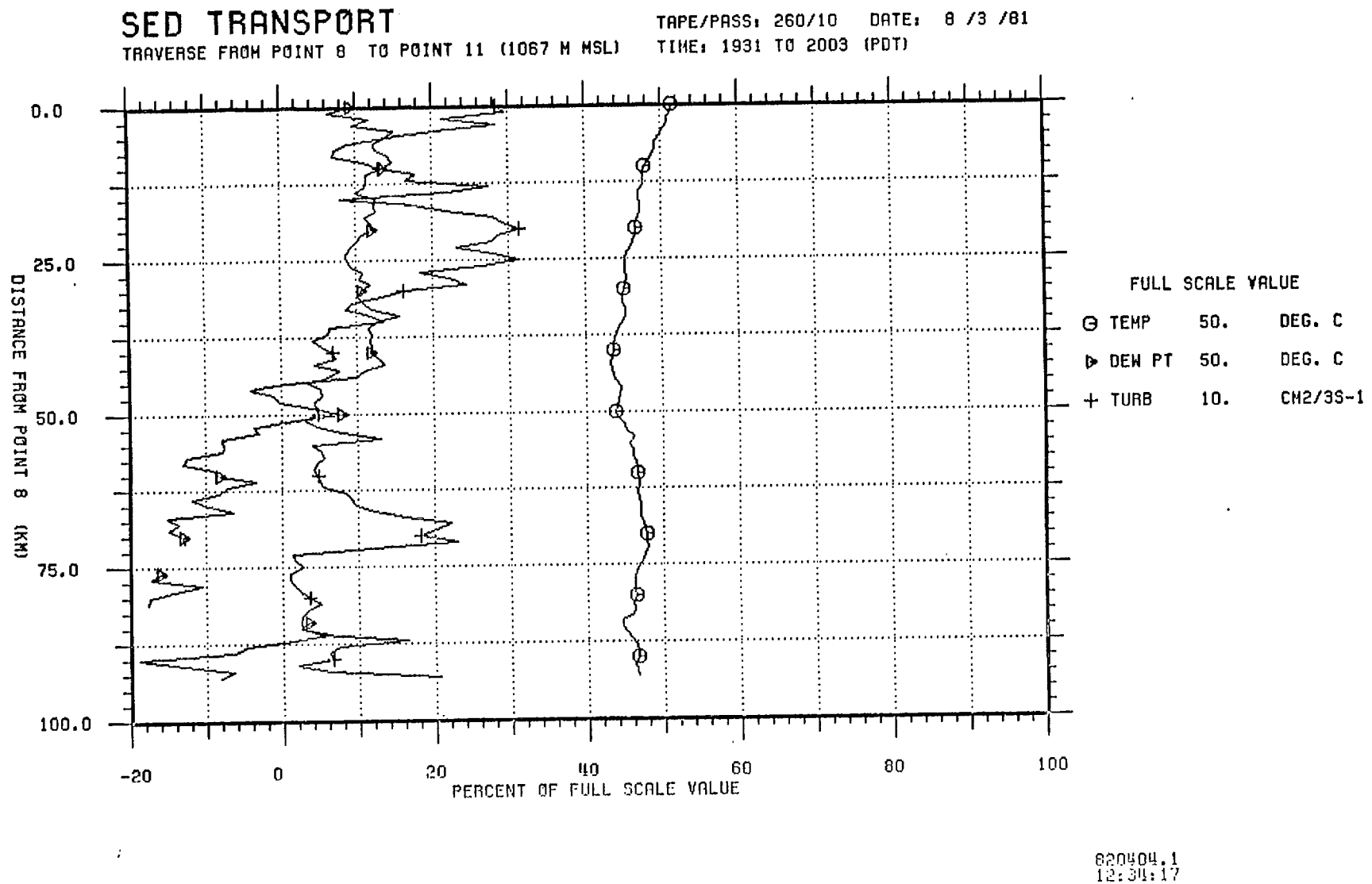

SED TRANSPØRT
TRAVERSE FRØM PØINT 9 TØ PØINT 10 (1219 M MSL)
TAPE/PASS: 260/9 DATE: 8 /3 /81
TIME: 1926 TØ 1928 (PDT)
DISTANCE FROM POINT 9 (KM)
0.0
2.5
5.0
7.5
10.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
SØ2 100. PPB
BSCAT 1000. 10-6 M-1
820404.1
12:34:17


SED TRANSPORT
TRAVERSE FROM POINT 9 TO POINT 10 (1219 M MSL)
TAPE/PASS: 260/9 DATE: 8 /3 /81
TIME: 1926 TO 1928 (PDT)
DISTANCE FROM POINT 9 (KM)
0.0
2.5
5.0
7.5
10.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
NO 200. PPB
NOX 200. PPB
O3 500. PPB
820404.1
12:30:17


SED TRANSPORT
TRAVERSE FROM POINT 9 TO POINT 10 (1219 M MSL)
TAPE/PASS: 260/9 DATE: 8 /3 /81
TIME: 1926 TO 1928 (PDT)
0.0
2.5
5.0
7.5
10.0
DISTANCE FROM POINT 9 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 50. DEG. C
DEW PT 50. DEG. C
TURB 10. CM2/3S-1
820803L.1
12:30:17


SED TRANSPORT
TRAVERSE FROM POINT 8 TO POINT 11 (1067 M MSL)
TAPE/PASS: 260/10 DATE: 8 /3 /81
TIME: 1931 TO 2003 (PDT)
DISTANCE FROM POINT 8 (KM)
0.0
25.0
50.0
75.0
100.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
SO2 100. PPB
BSCAT 1000. 10-6 M-1
820404.1
12:34:17


SED TRANSPORT
TRAVERSE FROM POINT 8 TO POINT 11 (1067 M MSL)
TAPE/PASS: 260/10 DATE: 8 /3 /81
TIME: 1931 TO 2003 (PDT)
0.0
25.0
50.0
75.0
100.0
DISTANCE FROM POINT 8 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
NO 200. PPB
NOX 200. PPB
O3 500. PPB
820404.1
12:34:17


SED TRANSPORT
TRAVERSE FROM POINT 8 TO POINT 11 (1067 M MSL)
TAPE/PASS: 260/10 DATE: 8 /3 /81
TIME: 1931 TO 2003 (PDT)
DISTANCE FROM POINT 8 (KM)
0.0
25.0
50.0
75.0
100.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 50. DEG. C
DEW PT 50. DEG. C
TURB 10. CM2/3S-1
820404.1
12:34:17

TEST 8 - AUGUST 11-12, 1981

MRI FLIGHT SUMMARY

Date: August 11, 1981

SOUTHEAST DESERT OZONE TRANSPORT STUDY

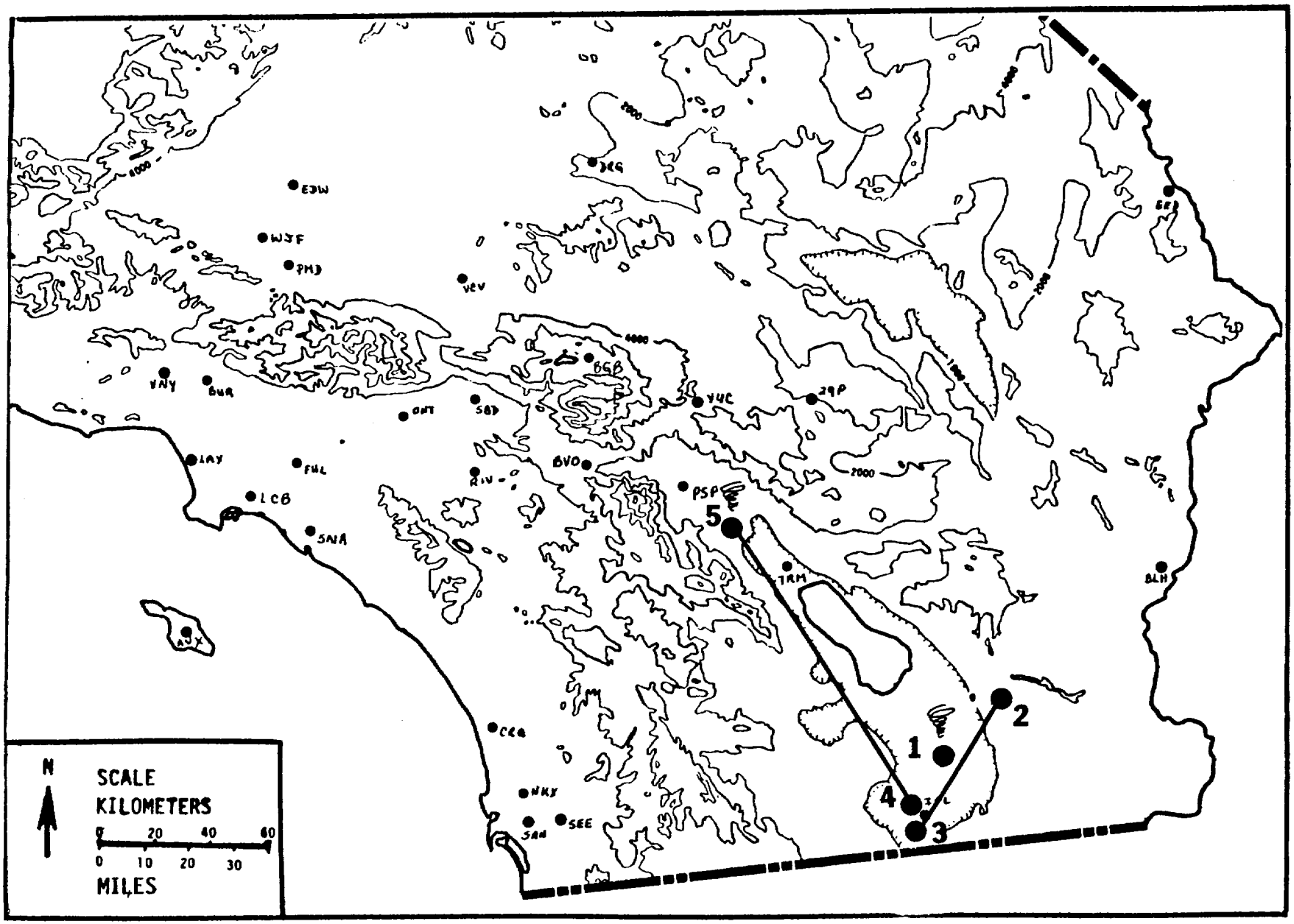
Tape #: 261

Pass No.	Sampling Times (PDT) Start	End	Flight Type	End Points	Sampling Altitude m MSL Start	End	Traverse Length or Orbit Time	Tracer Samples	COMMENTS
1	1046	1107	Spiral	1	2896-	-28	N.A.	K1-20	Sfc Elev = -40 m
2	1128	1142	Traverse	2 - 3	305		50.6 Km.	K21-35	
3	1149	1226	Traverse	4 - 5	274-	305	120.7 Km.	K41-77	
4	1229	1249	Spiral	5	30-	2743	N.A.	K78-96	Sfc Elev = 21 m
5	1300	1329	Zero Spiral		2743-	442	N.A.	0	Instrument calibration

11 August 1981 Tape #261

TRAVERSE END POINT AND SPIRAL LOCATIONS

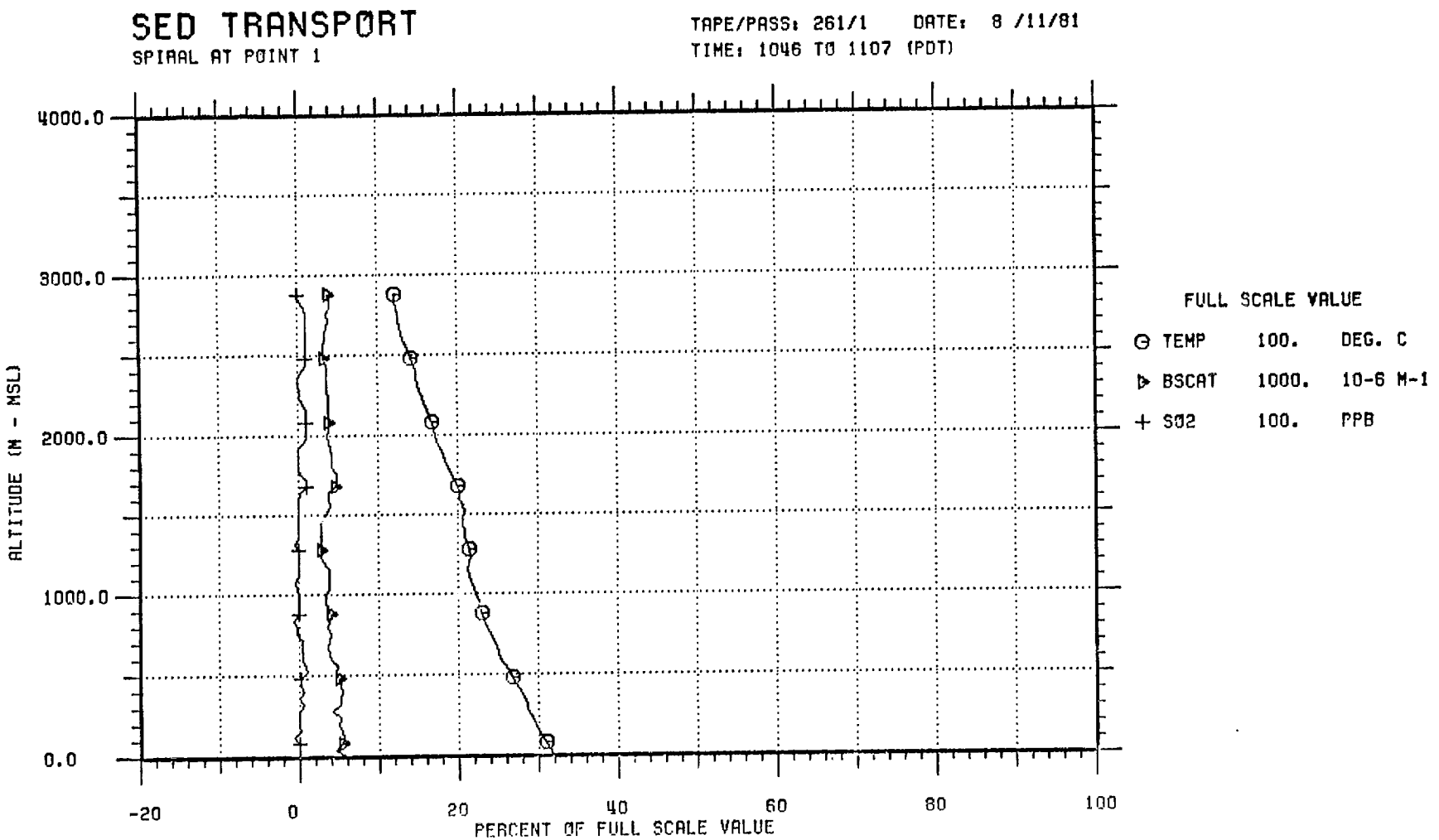
POINT	LATITUDE	LONGITUDE	DESCRIPTION
1	32°59.1'	115°31.5'	Brawley Airport
2	33°07.6'	115°16.2'	Amos
3	32°46.4'	115°37.2'	West of El Centro
4	32°50.0'	115°37.1'	West of El Centro Airport
5	33°44.0'	116°16.0'	Bermuda Dunes Airport



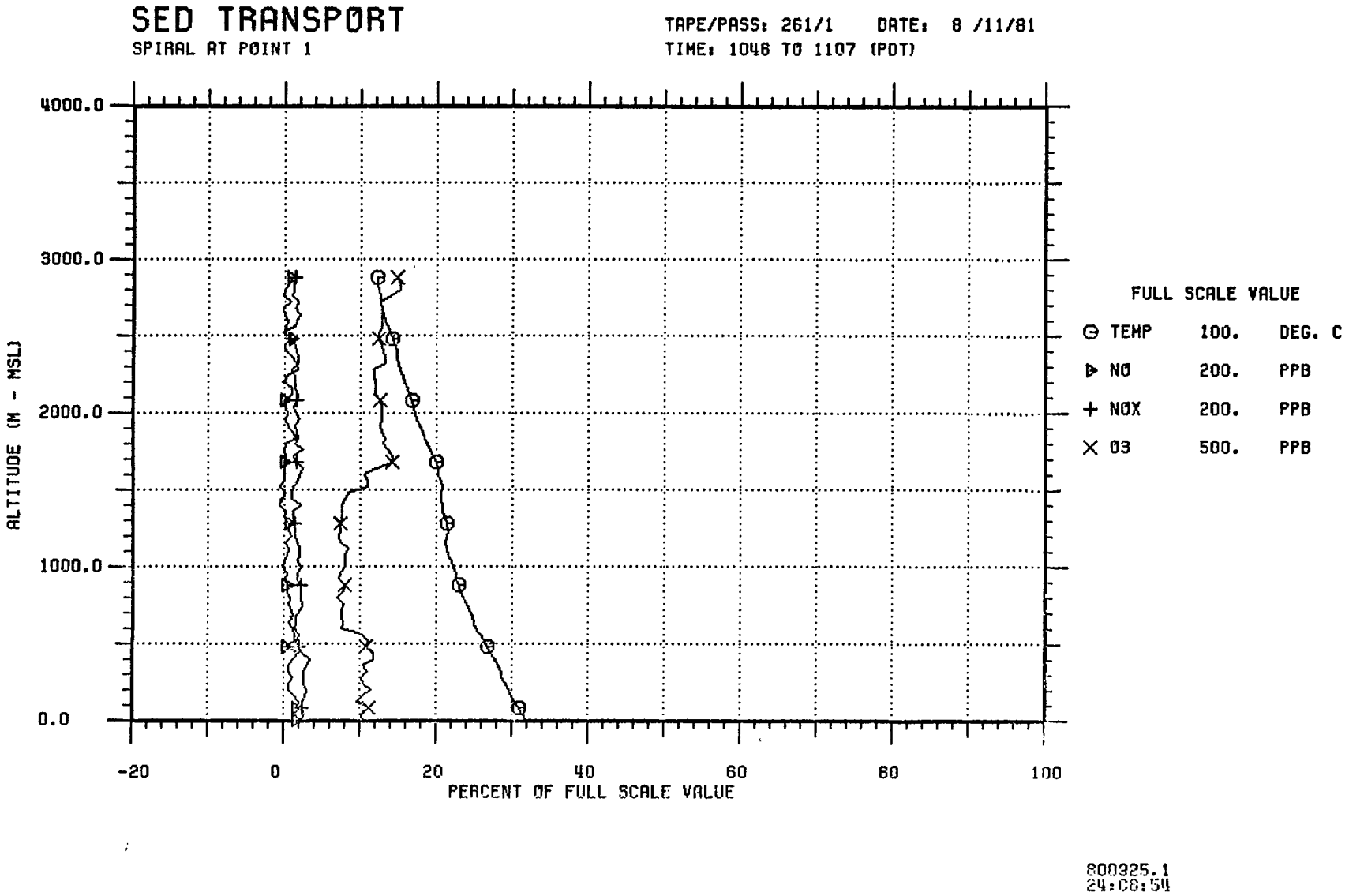
SOUTHEAST DESERT OZONE TRANSPORT STUDY

MRI SAMPLING FLIGHT

August 11, 1981 Tape #261



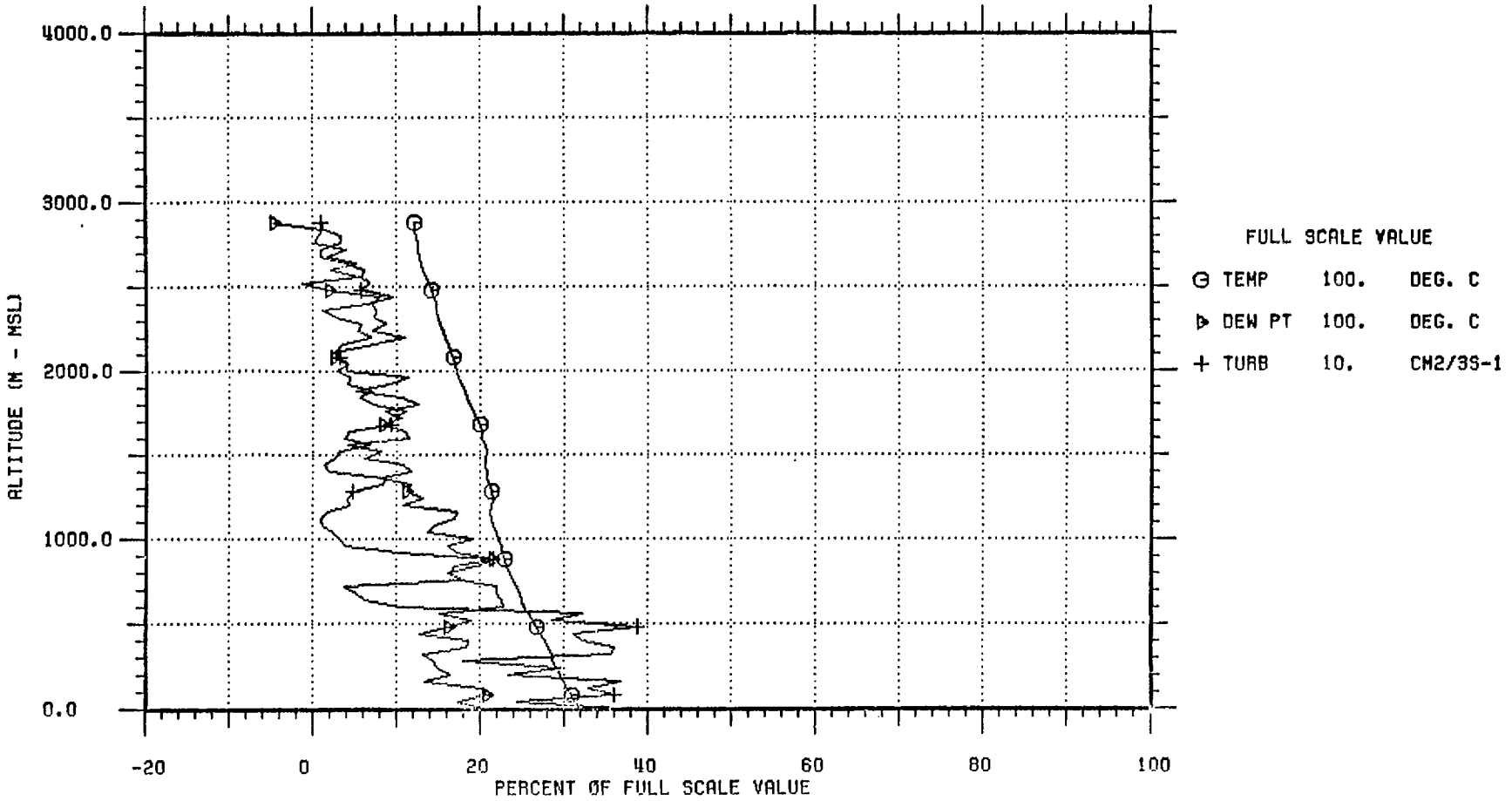
800925.1
21:08:51


SED TRANSPORT
SPIRAL AT POINT 1
TAPE/PASS: 261/1 DATE: 8 /11/81
TIME: 1046 TO 1107 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
800325.1
24:08:54

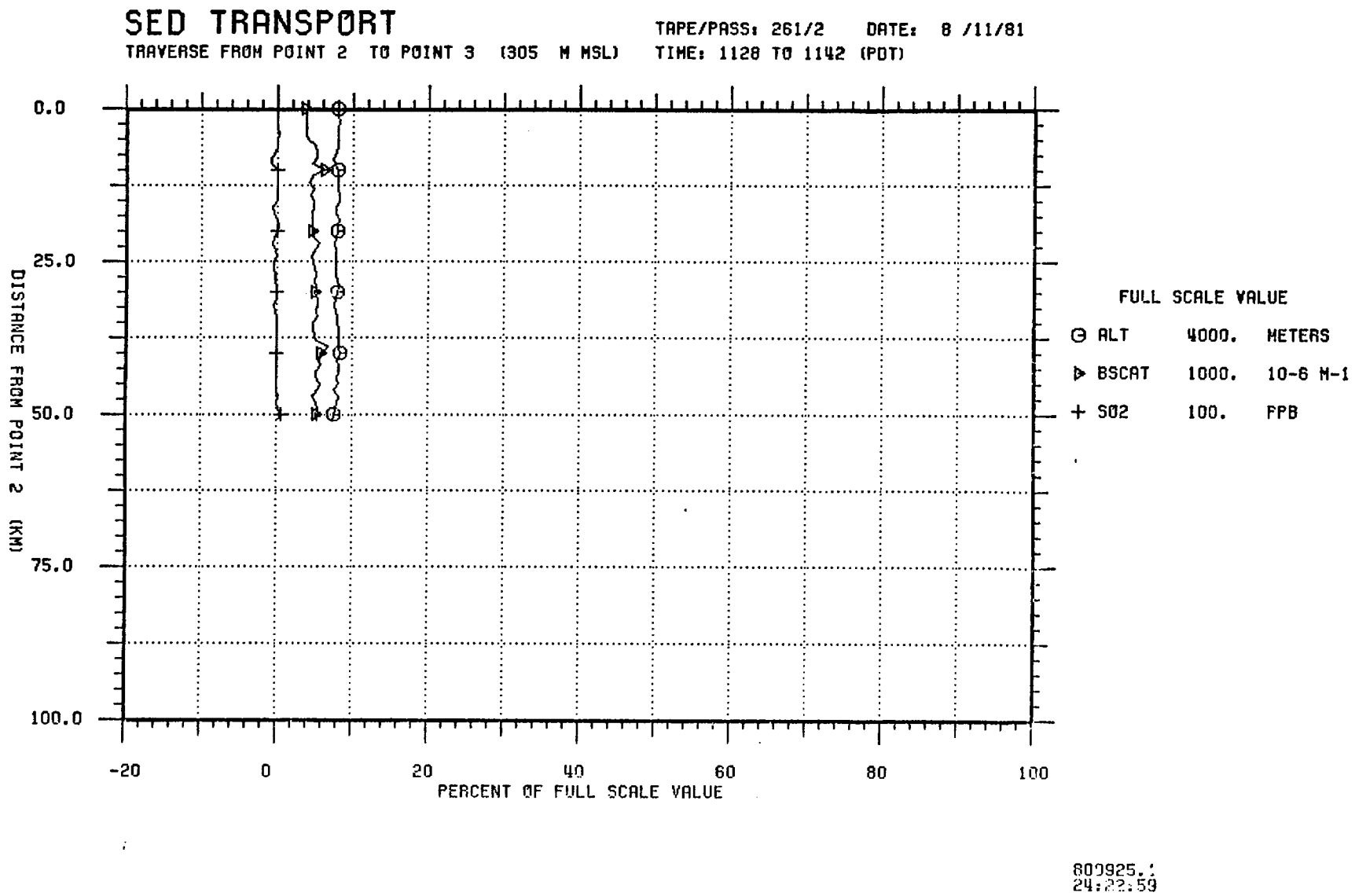
SED TRANSPORT

SPIRAL AT POINT 1

TAPE/PASS: 261/1 DATE: 8 /11/81
TIME: 1046 TO 1107 (PDT)



800925.1
24:08:54

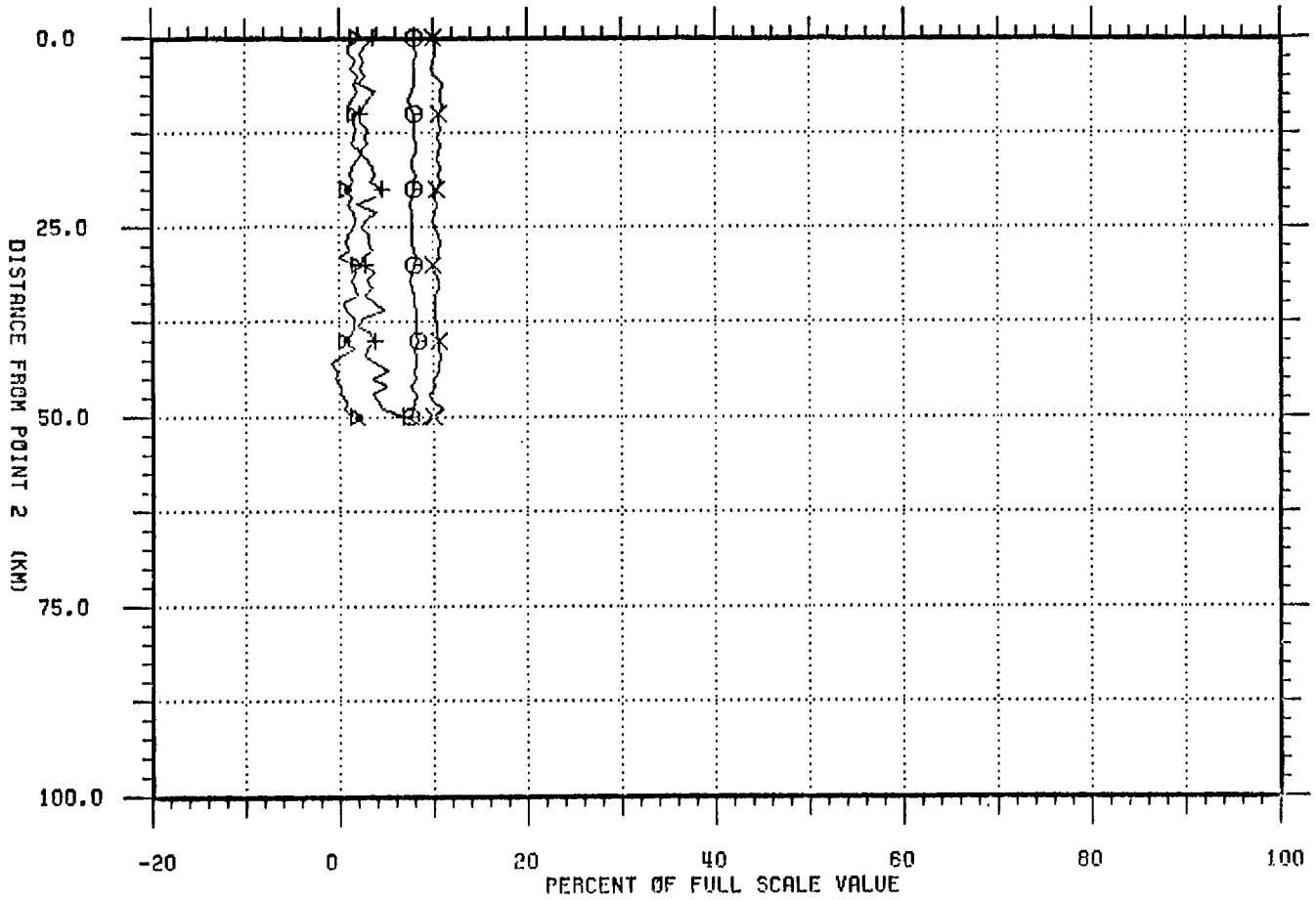

SED TRANSPORT
TRAVERSE FROM POINT 2 TO POINT 3 (305 M MSL)
TAPE/PASS: 261/2 DATE: 8 /11/81
TIME: 1128 TO 1142 (PDT)
0.0
25.0
50.0
75.0
100.0
DISTANCE FROM POINT 2 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
BSCAT 1000. 10-6 M-1
SO2 100. PPB
809925.1
24:22:59

SED TRANSPORT

TRAVERSE FROM POINT 2 TO POINT 3 (305 M MSL)

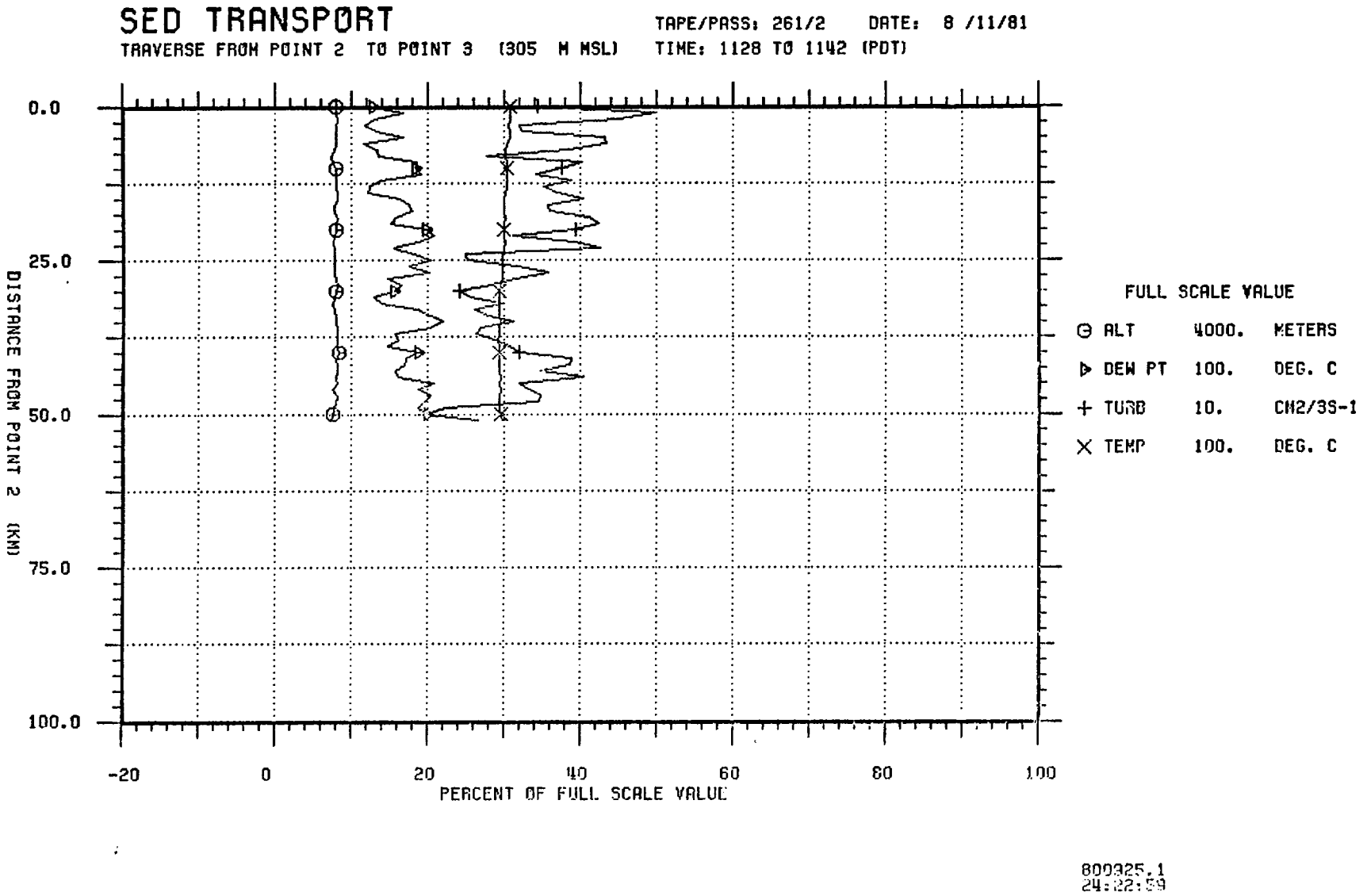
TAPE/PASS: 261/2 DATE: 8 /11/81

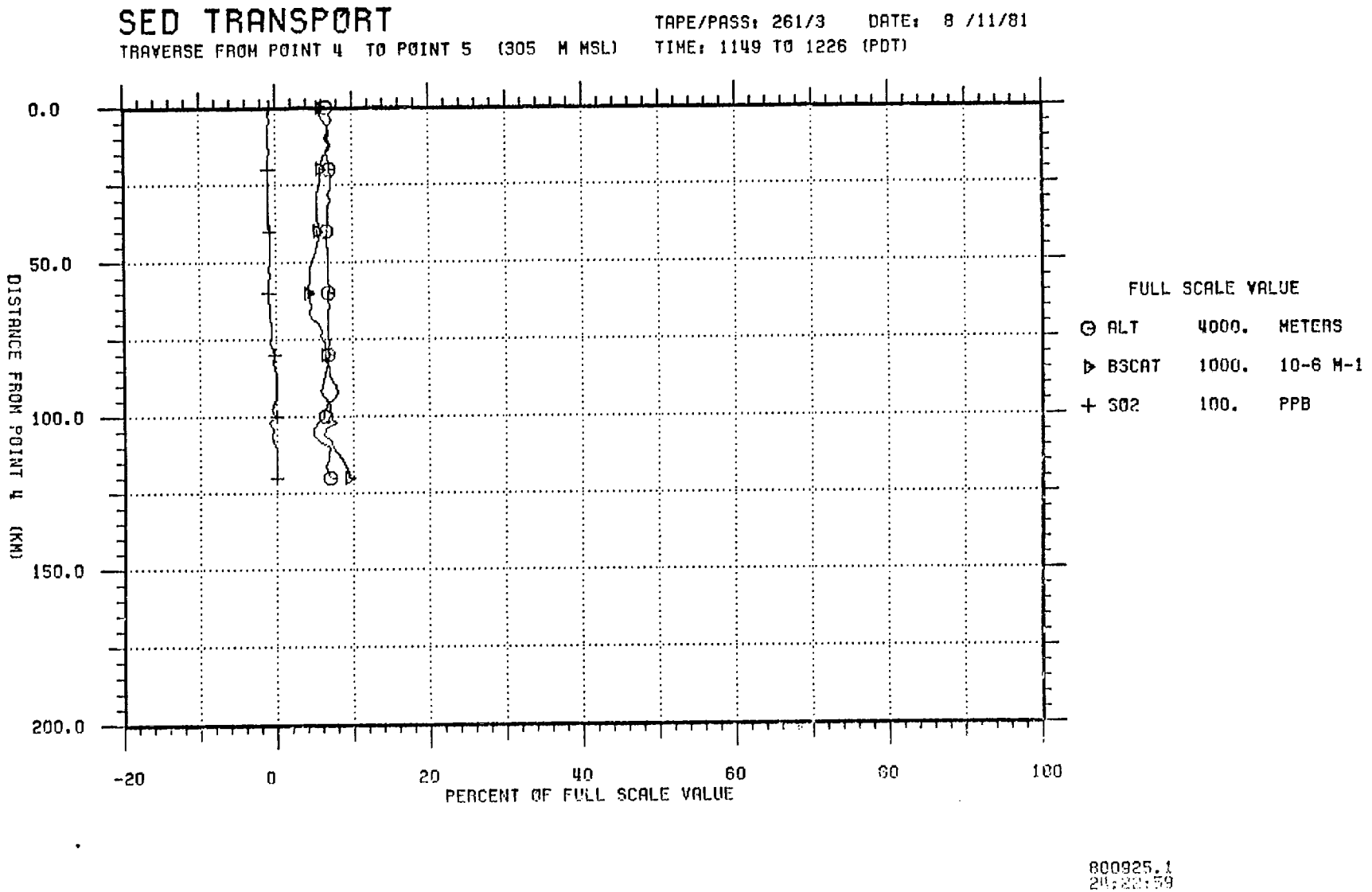
TIME: 1128 TO 1142 (PDT)

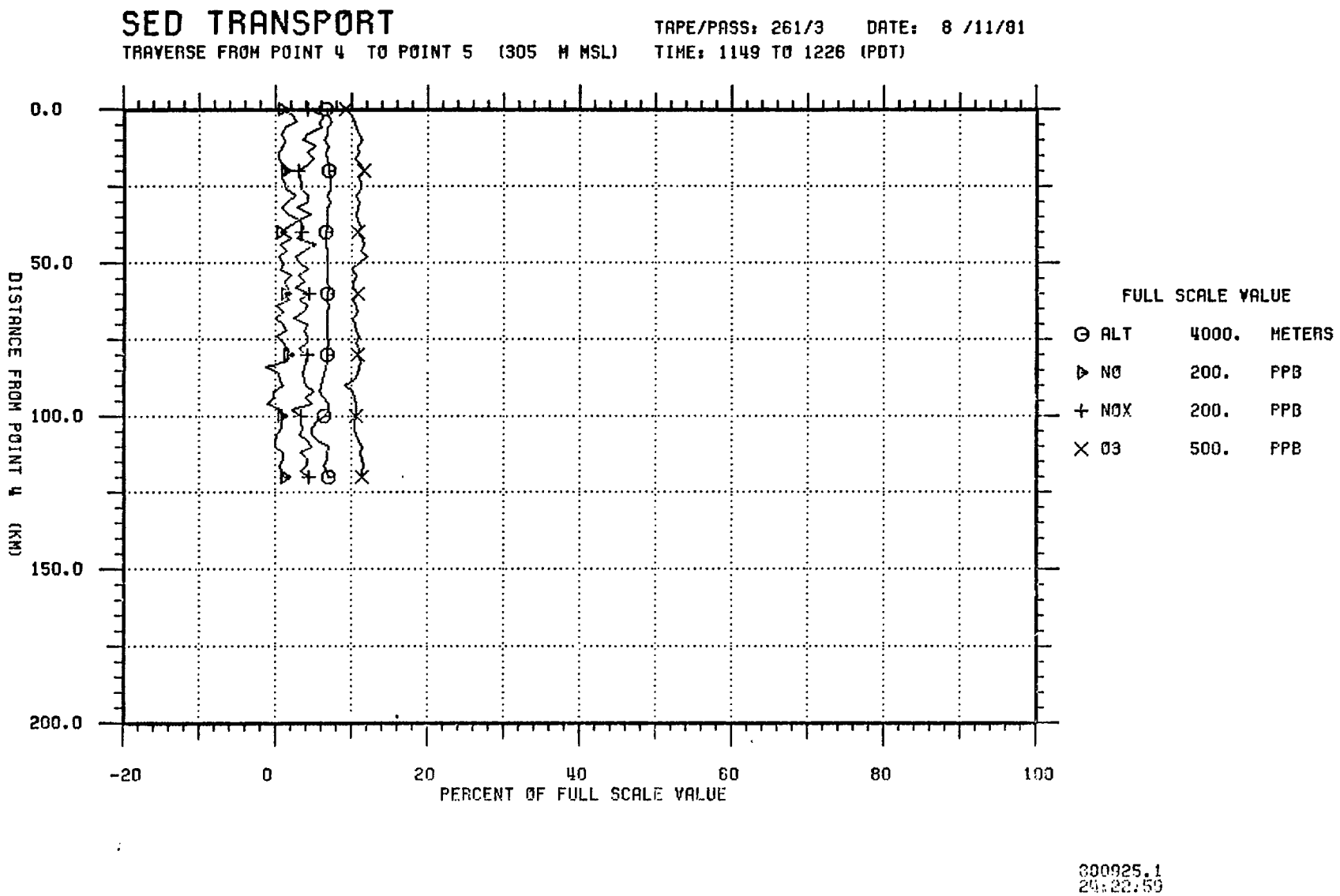


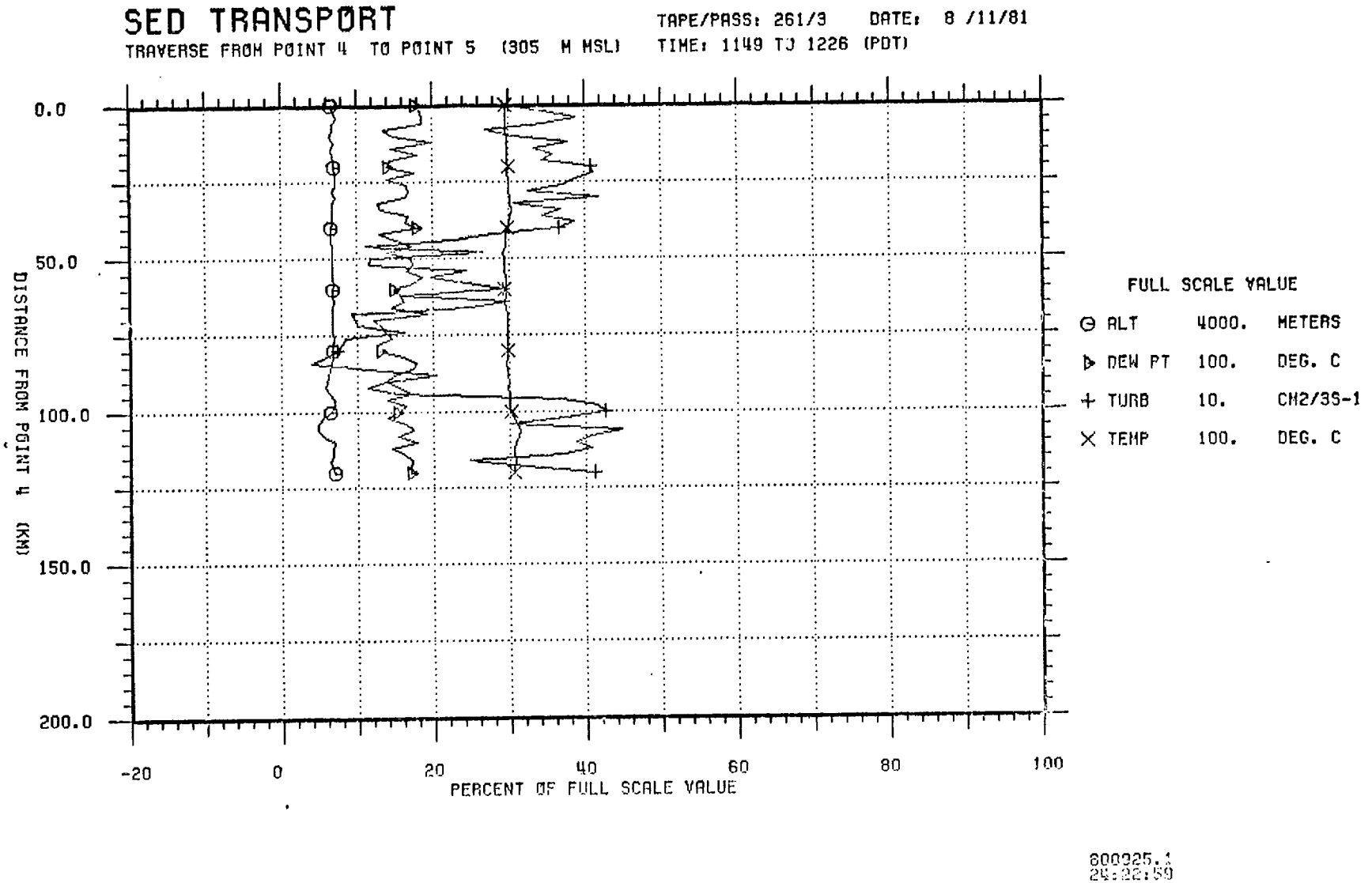
	FULL SCALE VALUE	
⊖ ALT	4000.	METERS
▷ NO	200.	PPB
+ NOX	200.	PPB
× O3	500.	PPB

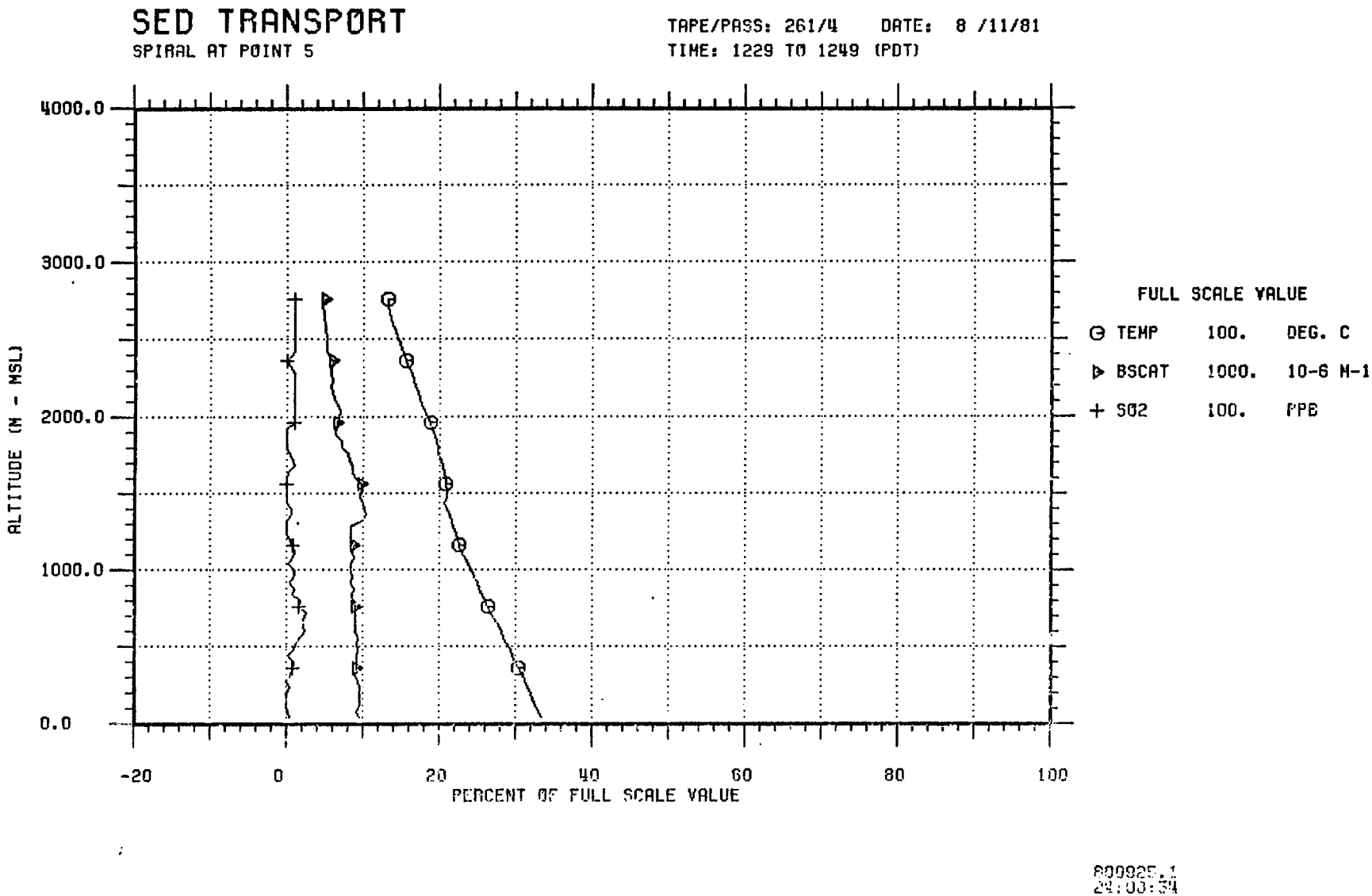
800925.1
24:22:59

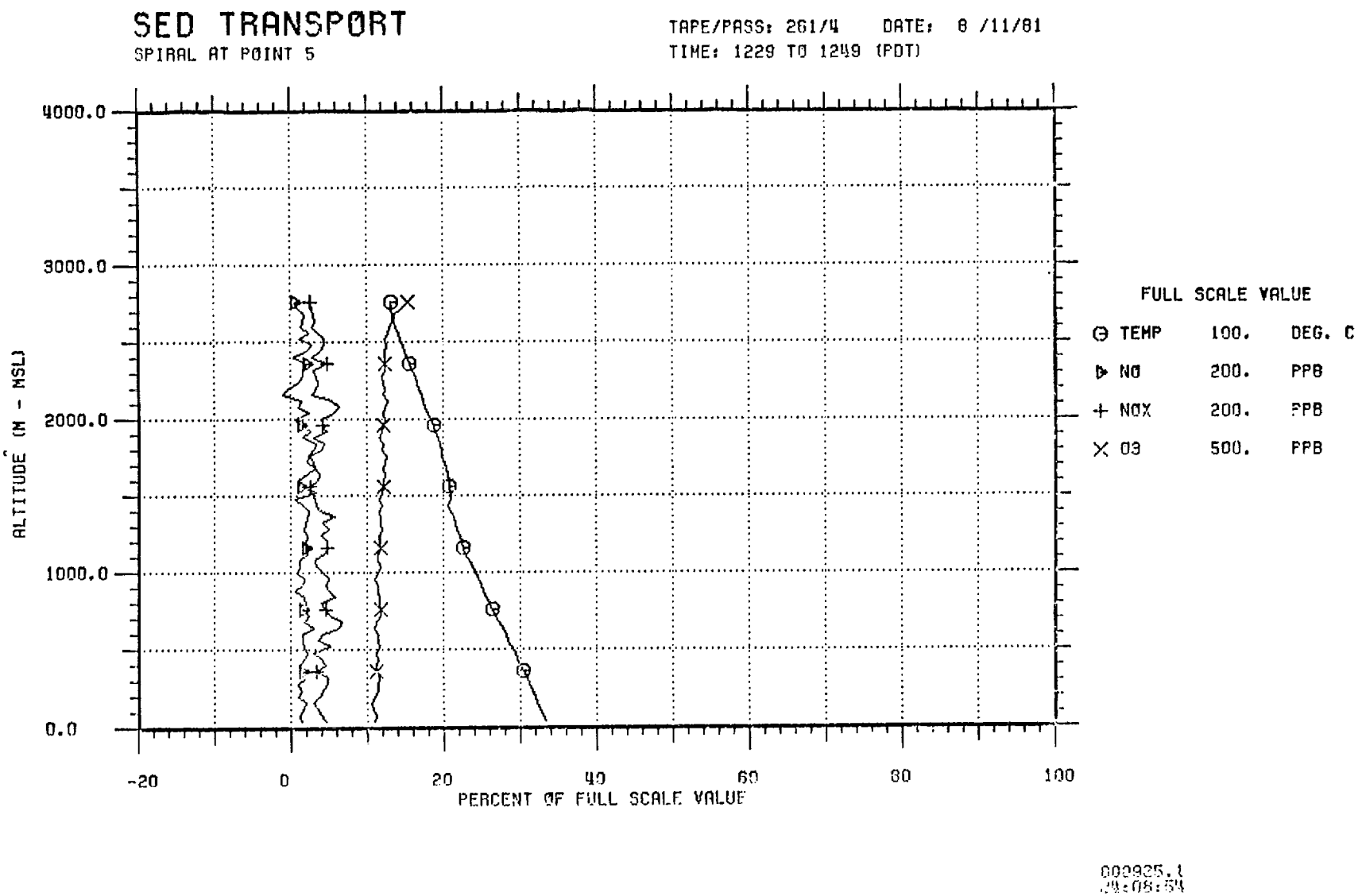

SED TRANSPORT
TRAVERSE FROM POINT 2 TO POINT 3 (305 M MSL)
TAPE/PASS: 261/2 DATE: 8 /11/81
TIME: 1128 TO 1142 (PDT)
0.0
25.0
50.0
75.0
100.0
DISTANCE FROM POINT 2 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800325.1
24:22:59


SED TRANSPORT
TRAVERSE FROM POINT 4 TO POINT 5 (305 M MSL)
TAPE/PASS: 261/3 DATE: 8 /11/81
TIME: 1149 TO 1226 (PDT)
0.0
50.0
100.0
150.0
200.0
DISTANCE FROM POINT 4 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
⊖ ALT 4000. METERS
▷ BSCAT 1000. 10-6 M-1
+ SO2 100. PPB
800925.1
20:20:59


SED TRANSPØRT
TRAVERSE FROM POINT 4 TØ POINT 5 (305 M MSL)
TAPE/PASS: 261/3 DATE: 8 /11/81
TIME: 1149 TØ 1226 (PDT)
DISTANCE FROM POINT 4 (KM)
0.0
50.0
100.0
150.0
200.0
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
NØ 200. PPB
NOX 200. PPB
Ø3 500. PPB
800925.1
20:22:59


SED TRANSPORT
TRAVERSE FROM POINT 4 TO POINT 5 (305 M MSL)
TAPE/PASS: 261/3 DATE: 8 /11/81
TIME: 1149 TO 1226 (PDT)
0.0
50.0
100.0
150.0
200.0
DISTANCE FROM POINT 4 (KM)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
ALT 4000. METERS
DEW PT 100. DEG. C
TURB 10. CM2/3S-1
TEMP 100. DEG. C
800325.1
24:22:59

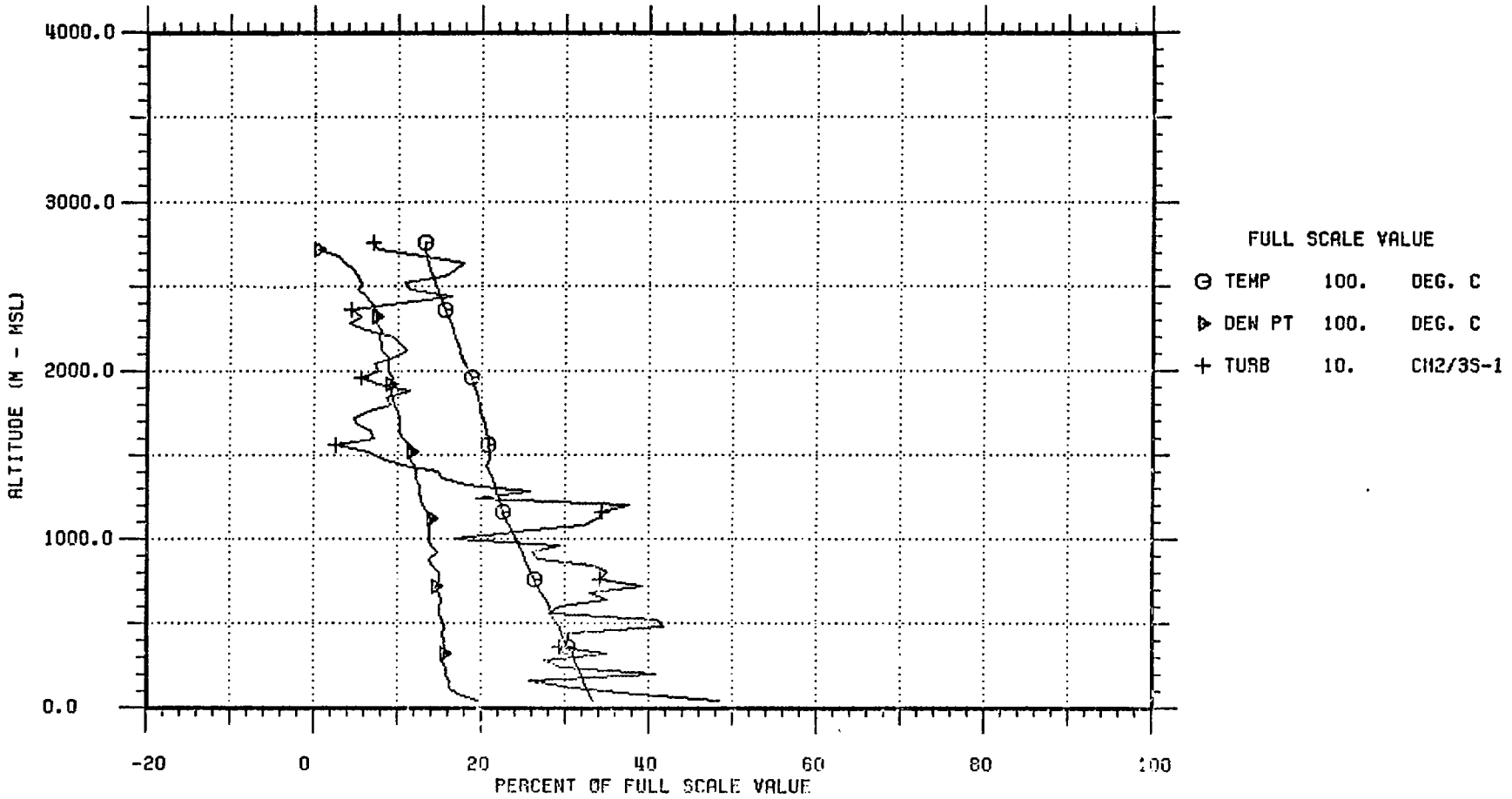

SED TRANSPORT
SPIRAL AT POINT 5
TAPE/PASS: 261/4 DATE: 8 /11/81
TIME: 1229 TO 1249 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
BSCAT 1000. 10-6 M-1
SO2 100. PPB
800925.1
24:03:34


SED TRANSPØRT
SPIRAL AT POINT 5
TAPE/PASS: 261/4 DATE: 8 /11/81
TIME: 1229 TO 1249 (PDT)
4000.0
3000.0
2000.0
1000.0
0.0
ALTITUDE (M - MSL)
-20
0
20
40
60
80
100
PERCENT OF FULL SCALE VALUE
FULL SCALE VALUE
TEMP 100. DEG. C
NO 200. PPB
NOX 200. PPB
O3 500. PPB
000925.1
09:08:54

SED TRANSPORT

SPIRAL AT POINT 5

TAPE/PASS: 261/4 DATE: 8 /11/81
TIME: 1229 TO 1249 (PDT)



399925.1
04:08:50

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