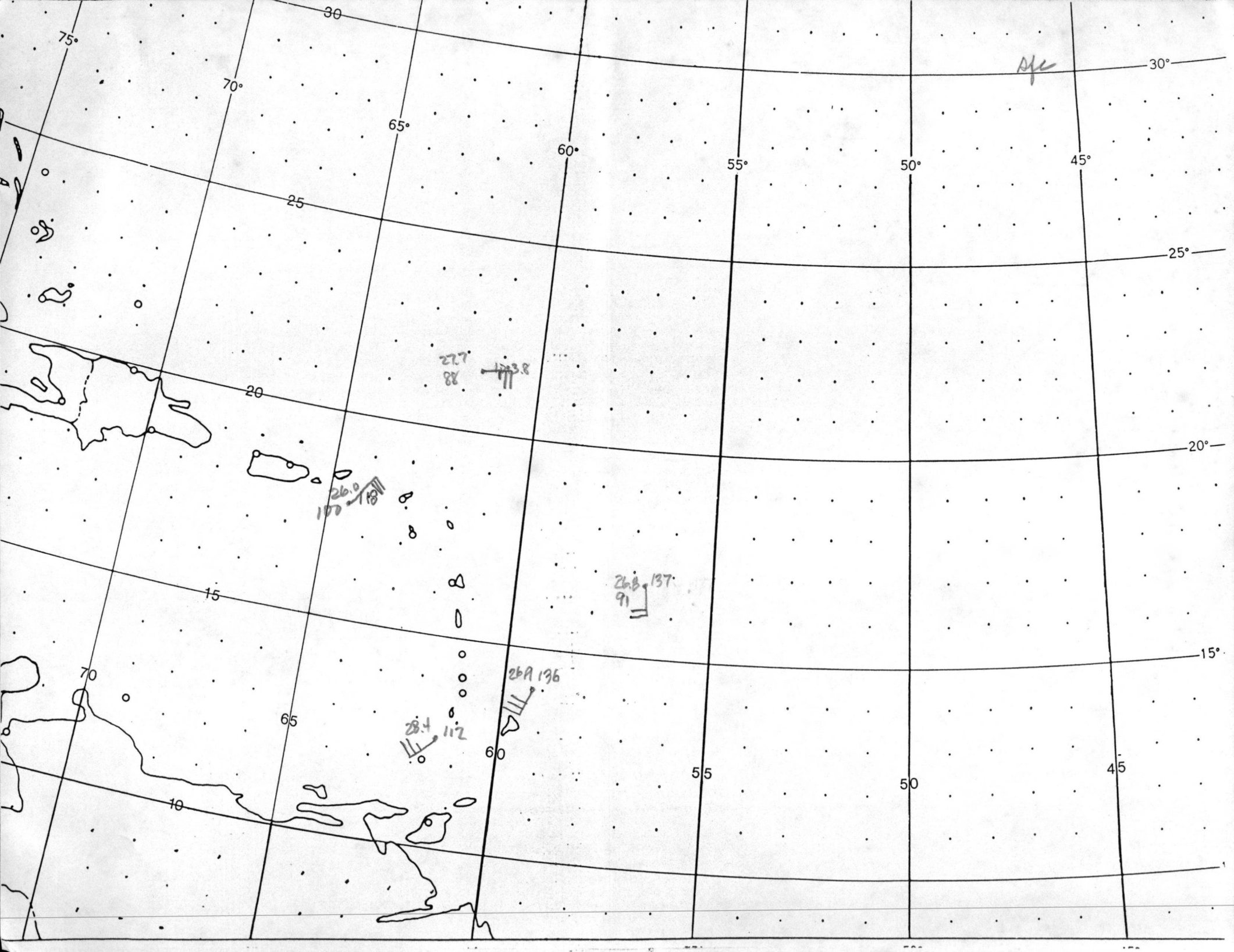


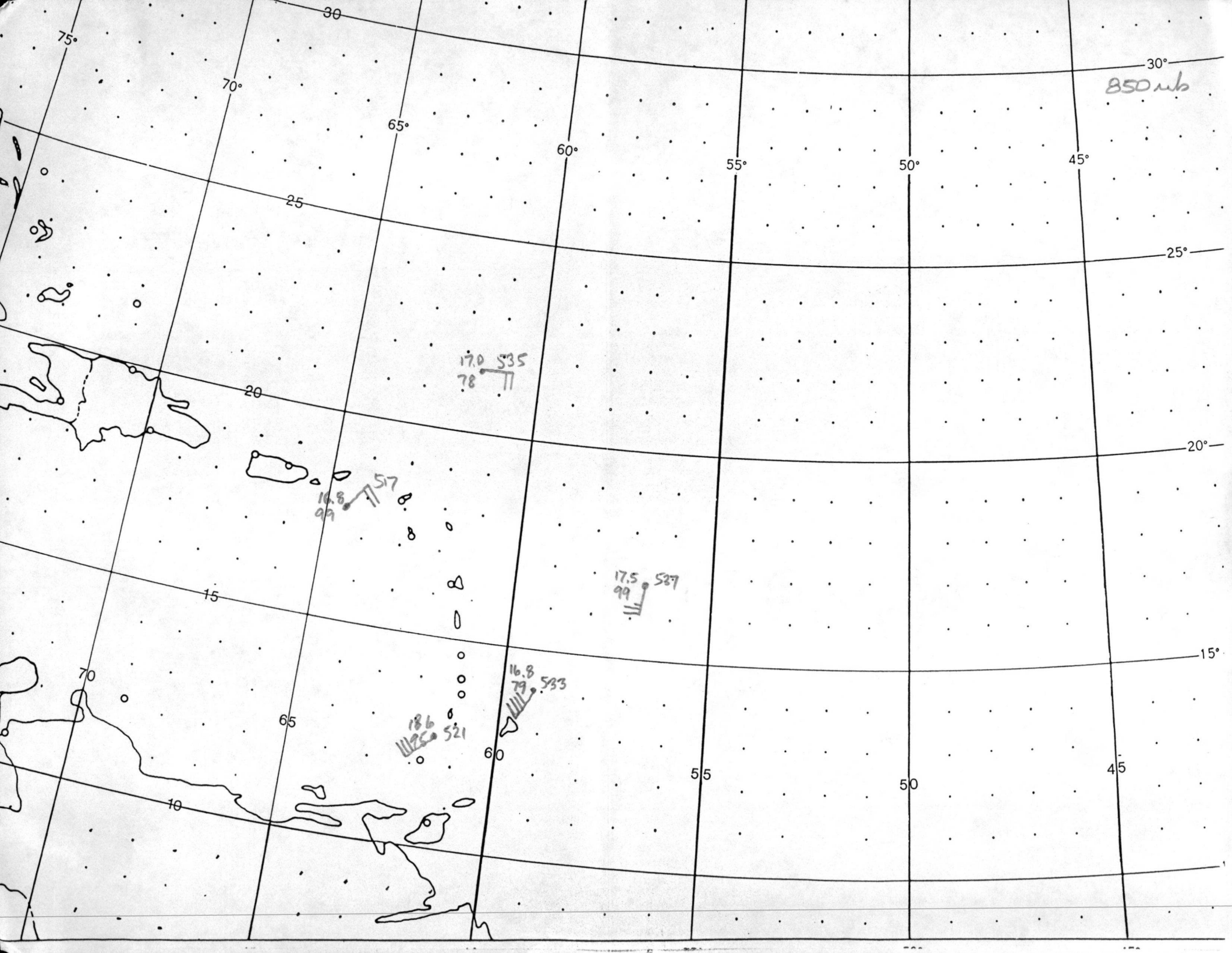
HRD Omega-Dropwindsonde Scientist Log

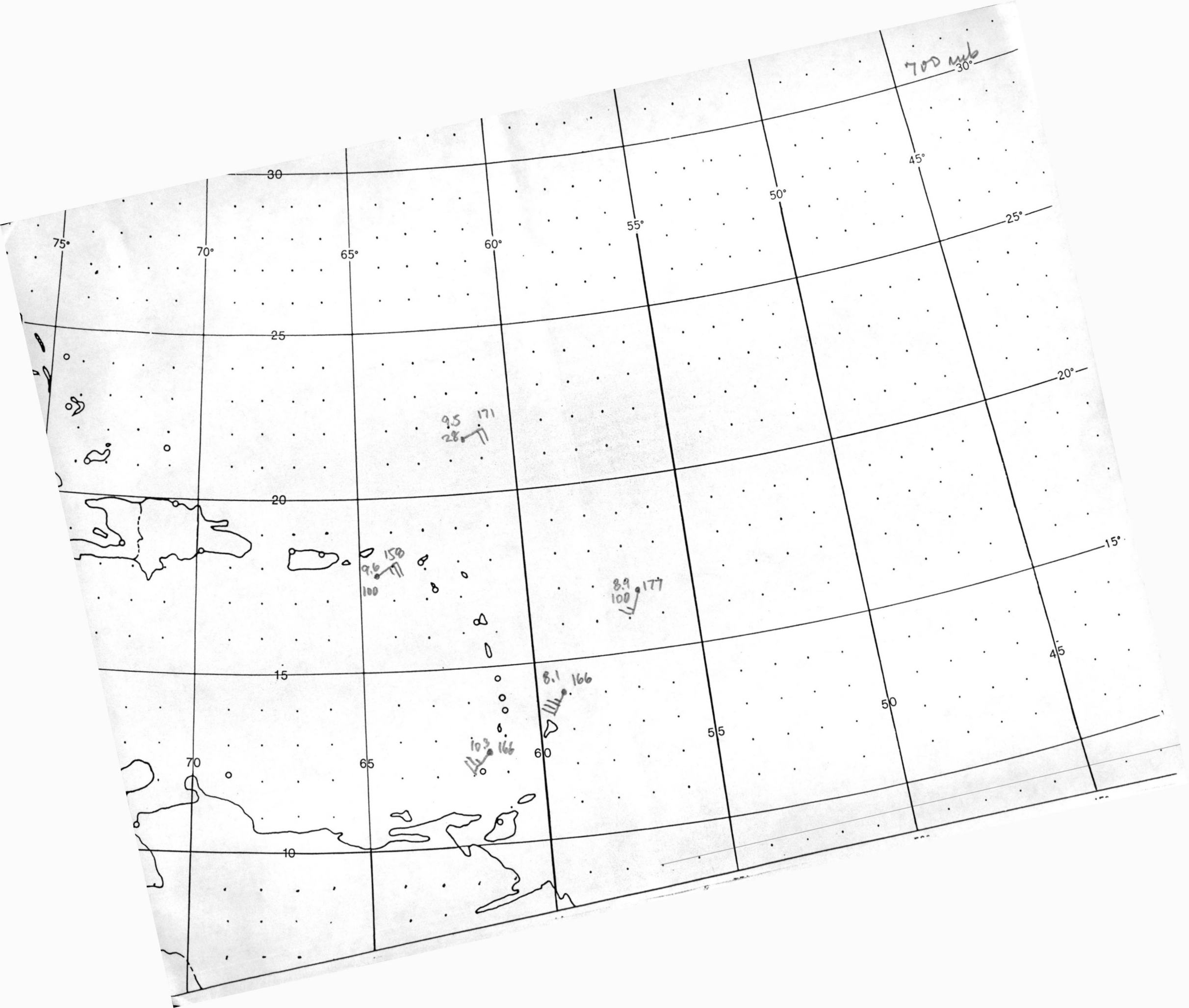
Flight 950827IODW Scientists FRANKLINStorm IRISAOC Operator SEAN Mc MILLAN

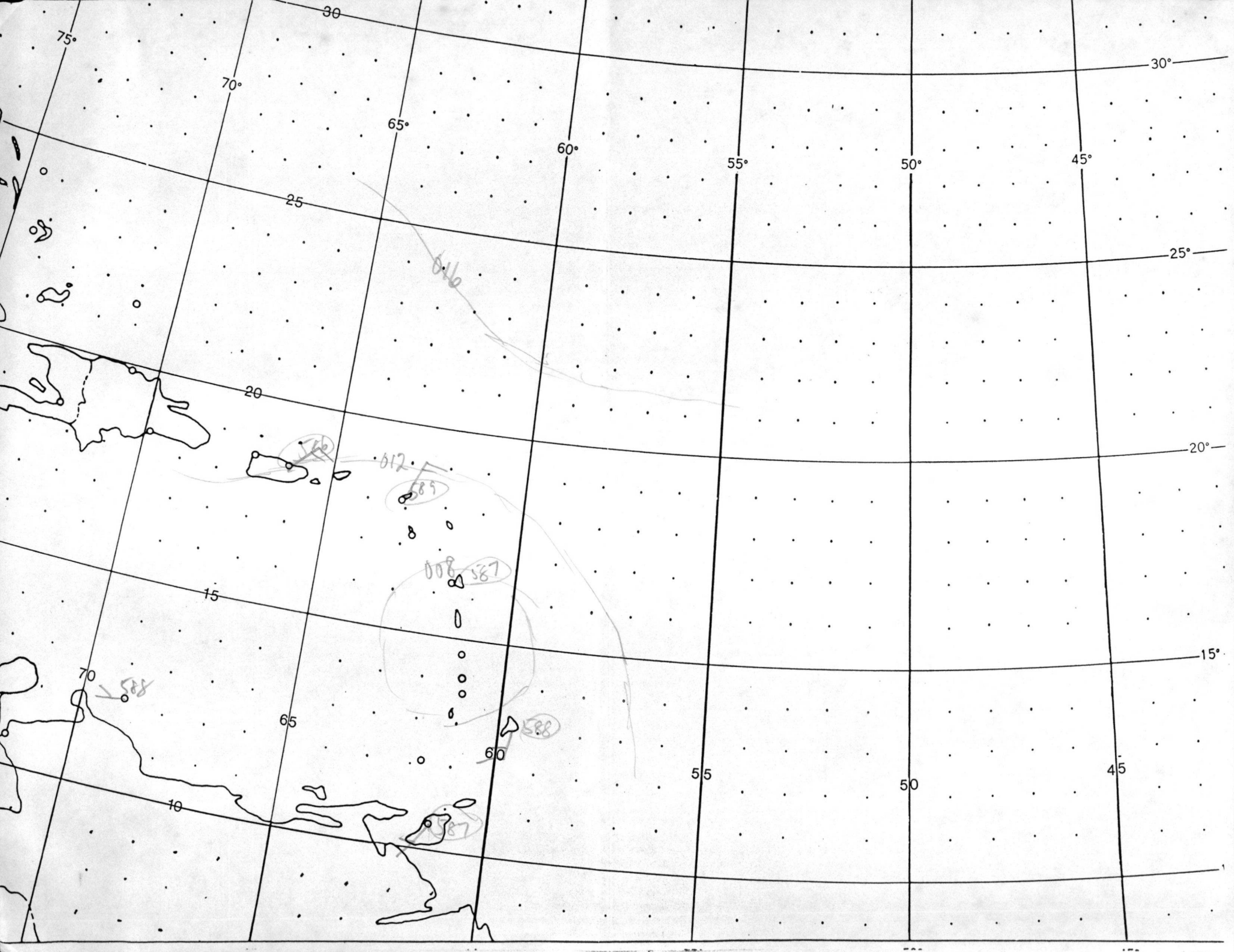
Drop No.	Sonde ID No.	Time (GMT)	Lat. (°)	Long. (°)	Wind (kts) (WD/WS)	Temp. (TA)	Dew Pt. (TD)	Pressure (PS)	Height (GA)	Remarks
1	4431	181806	16°41'	56°33'	169/19	1.2	-1.0	570.3	4855	GOOD!
2	3584	190920	13°58'	59°09'	181/20	0.3	-2.6	570.0	4846	GOOD.
3	3165	194823	12°35'	61°31'	202/21	0.2	-3.8	570.1	4848	LOOKS CLEAR BELOW! RH=100%??
4	1557	214530	21°30'	61°34'	090/11	2.0	-16.2	570.7	4839	GOOD
5	4968	224819	17°41'	64°30'	048/19	1.5	-2.1	570.7	4830	GOOD

19950827I1-DROPS



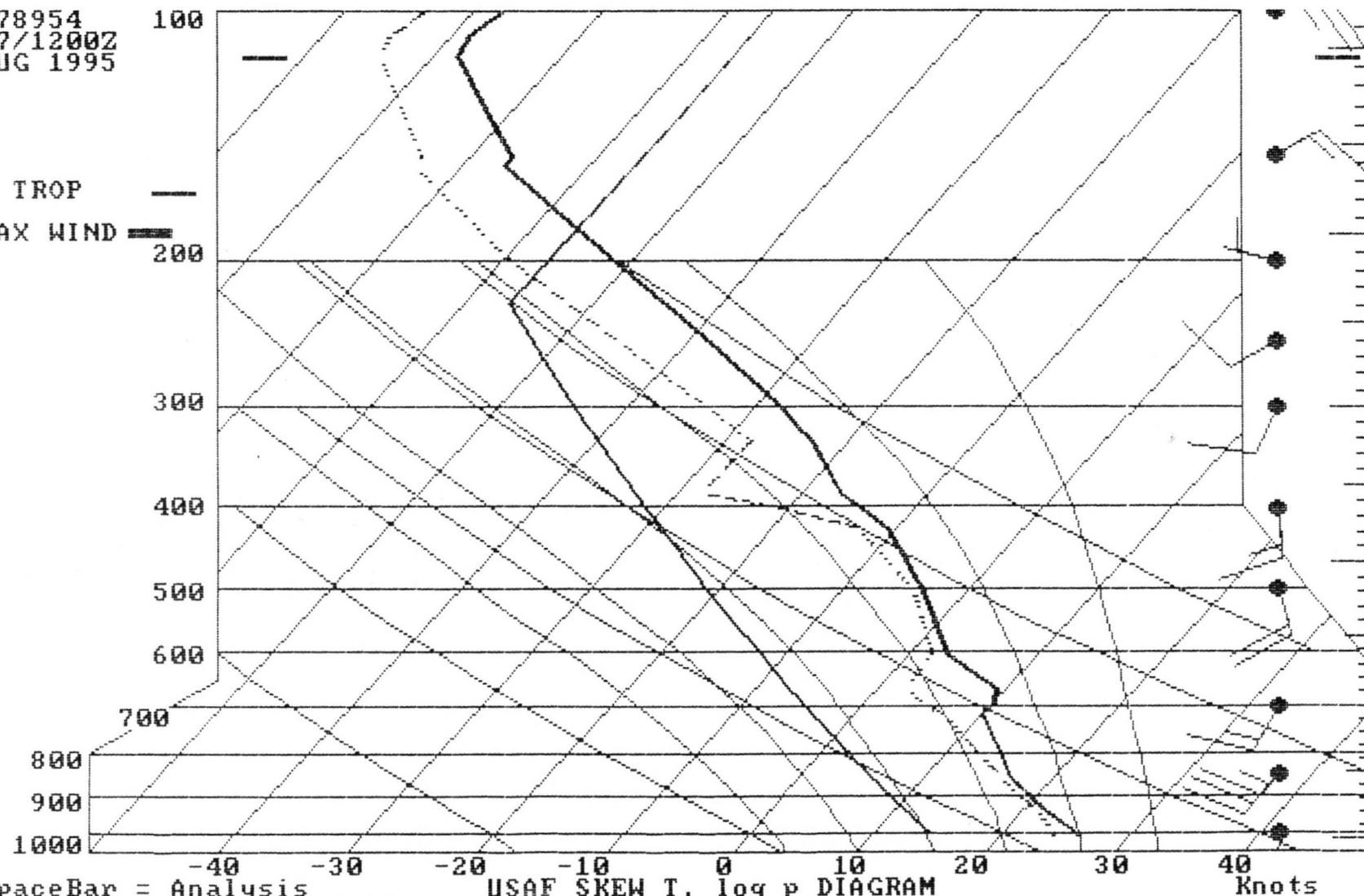






78954
27/1200Z
AUG 1995

TROP
MAX WIND



SpaceBar = Analysis
Esc = MENU P = Printing...

WINDS ALOFT FOR STATION: 78954 27/1200Z AUG 1995

Ht (MSL)	Dir	Speed (kt)
53000	070	25
52000		
51000		
50000	085	27
49000		
48000		
47000	060	12
46000		
45000	060	13
44000		
43000		
42000		
41000		
40000	270	8
39000	285	5
38000		
37000		
36000		
35000	225	13
34000	240	11
33000		
32000		
31000		
30000	185	10
29000	180	15
28000		
27000		
26000		
25000	175	17
24000	180	12
23000	165	11
22000	150	12
21000		
20000	165	16
19000		
18000	175	22
17000		
16000	195	26
15000		
14000	220	17
13000		
12000	220	16
11000		
10000	210	20
9000	210	29
8000	215	31
7000	220	30
6000	220	31
5000	220	34
4000	215	33
3000	205	30
2000	195	26
1000	185	25
SFC	185	16

Station Number: 78954

DTG of RAOB: 27/1200Z AUG 1995

Indices		Sfc Data: 1006mb T= 25.8°C Td= 24.0°C		Heights	
SSI	= 1.9		198ft	Sfc Wind: 185/16 kt	100mb = 16660m
KO	= -6.1				150mb = 14300m
K Index	= 30.7				200mb = 12500m
Lifted Index	= -0.9	Wet Bulb Zero = 534mb			250mb = 11010m
Sweat Index	= 271.8	LCL	= 980mb 23.6°C	921ft	300mb = 9730m
Total-Totals	= 39.8	LFC	= 952mb 22.6°C	1702ft	400mb = 7610m
U Totals	= 20.3	CCL	= 962mb 23.2°C	1435ft	500mb = 5880m
X Totals	= 19.5	Tc	= -- 27.0°C	--	700mb = 3153m
Fog SI	= 56.8	CCL E.L.	= 152mb -66.8°C	43984ft	850mb = 1516m
Fog Threat	= -1.5	LFC E.L.	= 175mb -59.1°C	41236ft	1000mb = 103m
Fog Point	= 23.2°C	850mb WBPT	= -- 21.7°C	--	

Inversion Layers	Type	Break	Freezing Levels
717- 700mb 9257- 9877ft	Subs	40.9°C	560mb 15511ft

Thickness

500-300mb	= 3850m
700-500mb	= 2727m
850-500mb	= 4364m
850-700mb	= 1637m
1000-500mb	= 5777m
1000-700mb	= 3050m
1000-850mb	= 1413m

Max Wind
None Reported

Icing Layers		Turbulence Layers	
Base	Top Intensity	Base	Top Shear
None		47000ft - 50000ft	6
		29000ft - 30000ft	5
		24000ft - 25000ft	5
		14000ft - 16000ft	6
		9000ft - 10000ft	9
		2000ft - 4000ft	6
		Sfc - 1000ft	9

Trop Data
113mb 49604ft
T=-78.3°C θ=363.1K

THREAT COLORS

Low
Moderate
High