

**N42/3RF HRD GPS Dropwindsonde Scientist Log** (Revised 5/2002)

22°24' 6157' 17002 04mb

Storm ISABEL Dropwindsonde Scientists LANDSEA/ABERDON Page 1 of 2  
 Flight ID 030913H Flight Director SHEPARD/MAYEAUX Takeoff from St. Croix at 1516 UTC  
 Mission ID WX13A ISABEL AVAPS Operators McMILLAN/ROGERS Recovery at St Croix at 0230 UTC

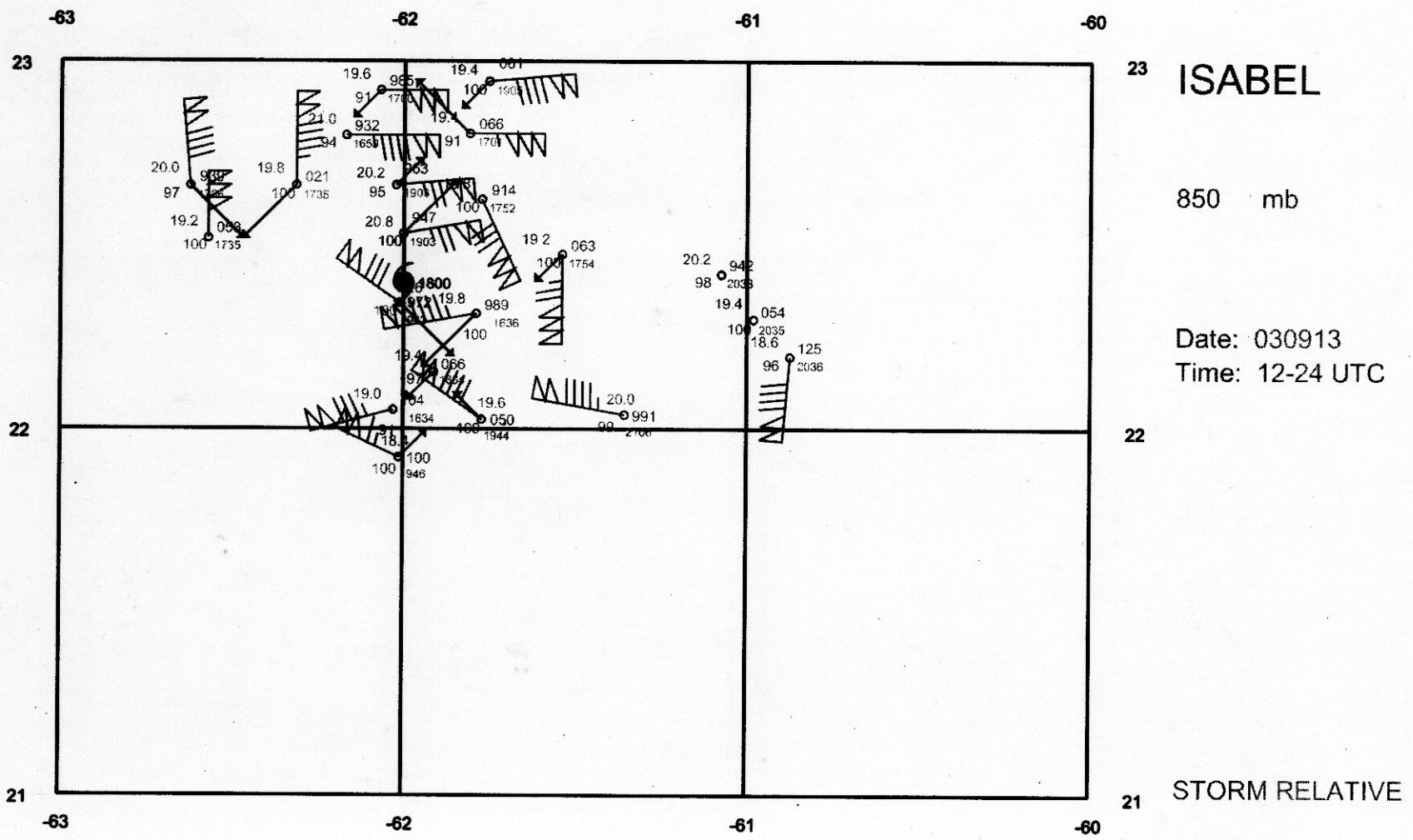
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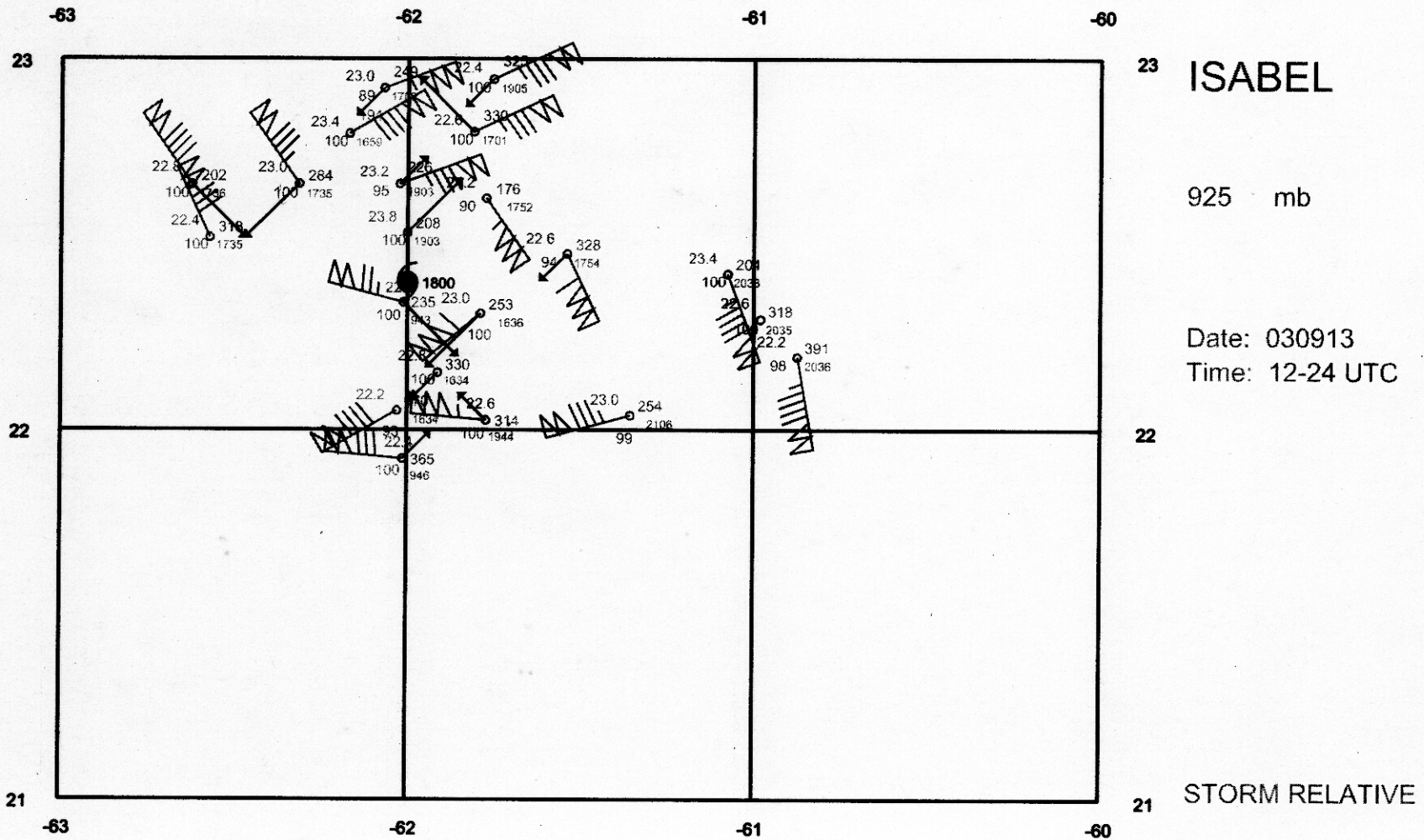
Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	PT SPT SFMR	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	022815125	163411	21.95	61.83	965	225° 92	12	105kt SFMR	S-EW	~40nm eye ~935mb Peak flight loop on	6
2	020835044	163453	21.99	61.87	960	—	—	110kt	S-EW	First pass few winds	7
3	020615144	163621	22.08	61.85	952	225° 160	153	115kt SFMR	S-EW	~145kt SEMR 115kt pbias - 3.6	9
4	02083505	165950	22.76	61.88	946	55° 126	10	125kt	N-EW	Peak at level spotty winds pbias - 3.6mb	15
5	022815119	170051	22.81	61.86	932	60° 125	57	120	N-EW	160kt (!) -3.7 pbias -11.5 SFMR	16
6	022945123	170141	22.85	61.85	960	066 33	67	115	N-EW	125kt	19
7	020835001	173457	22.52	62.48	959	316 23	27	110	W-EW	Peak Flava 140kt 4.55 launch detect delay	21
8	020615227	173534	22.50	62.36	955	326 35	39	115	W-EW	Peak Flava 16s launch detect delay	22
9	022945110	173644	22.49	62.36	946	321 26	10	115	W-EW	SFMR 110 11.5s launch detect delay Low 150	24
10	014335125	175246	22.42	61.72	944	140° 142	36	110	E-EW	Peak Flava Late wind 80s -5.0 mb pbias 145-152	13
11	022945126	175337	N/A	N/A	—	—	—	125	E-EW	155kt No launch detect no winds	
12	020615235	175424	22.40	61.62	—	146 44	29	120	E-EW	SFMR 130kt -3.6mb pbias	25
13	014415039	190303	22.85	62.20	947	061 35	281	~55	W N	-2.7mb pbias	26
14	022915118	190336	22.88	62.31	949	066 22	97	~55	W N	-3.4mb pbias	23
15	020615229	190511	22.98	62.32	960	146 10	15	~55	W N	7s launch detect delay -3.0mb pbias	28
16	023235102	194323	22.78	62.60	950	281 37	89		W SW	3.5s launch detect delay	40
17	020615138	194411	22.33	62.63	959	281 33	132		W SW	Peak vent as SE	34

had bad SE winds - removed

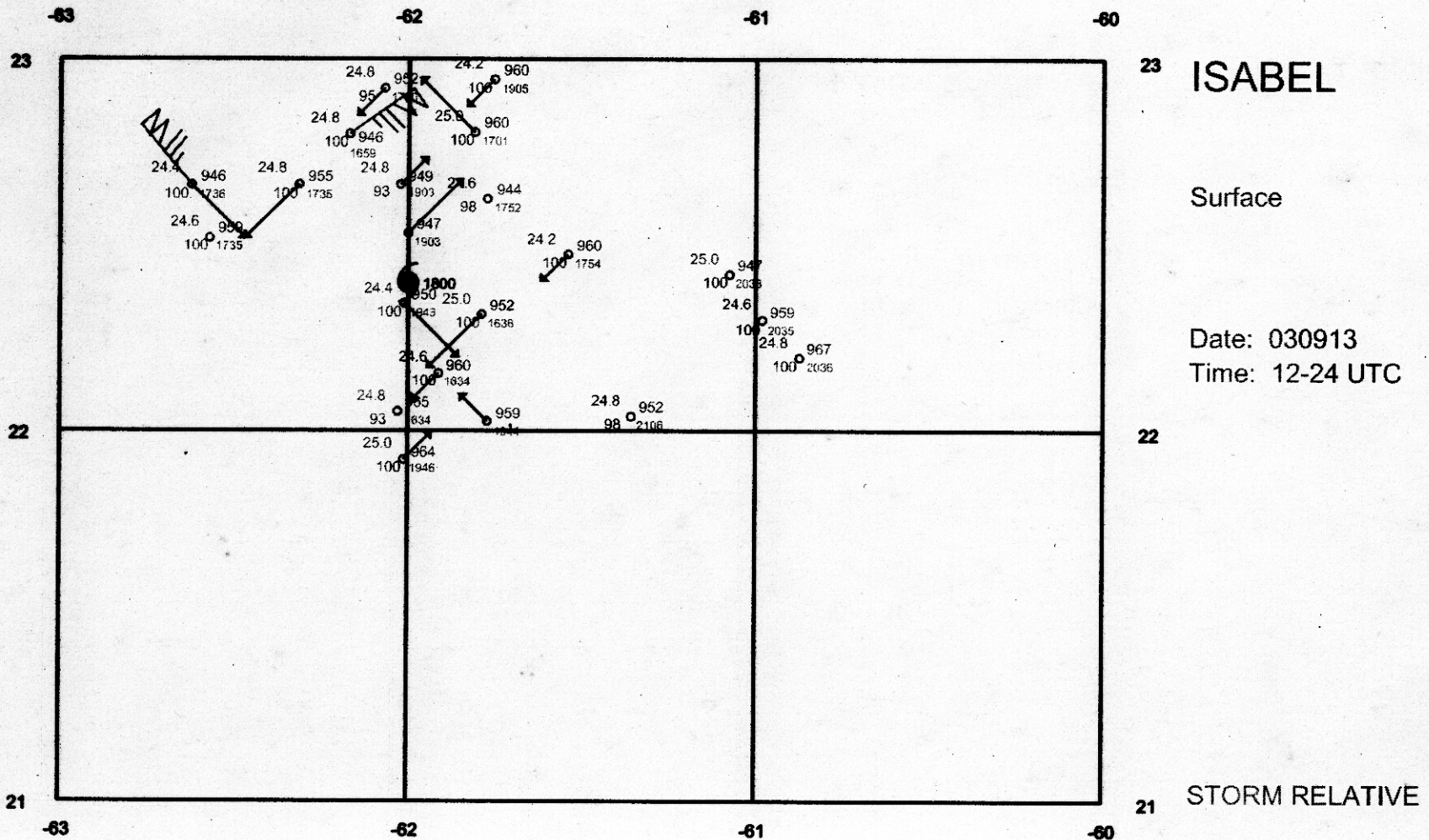












ISABEL

Surface

Date: 030913  
Time: 12-24 UTC

STORM RELATIVE