

Note for store - index for manual

#8 → *5 charsmad
X3DT0013017131763 #
Ackn. received

Maps at end - (S O E ??)

- Does Swan Island still report?

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm IRENE Flight Director DAMIANO Page 1 of 2
 Flight ID 991013N Dropwindsonde Scientists GOLDENBERG / LANDSEA Takeoff 1724 UTC
 Mission ID NOAA9 0313A IRENE AVAPS Operators GOLDSTEIN / SMITH / LENO Landing UTC

19991013N1.DR02

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (kn)	MBL wind (kn)	BT SST (°C)	Location Comment	Comments	Ob #
1	990415246	181922	23.24	78.93	1011.6	09004	12008		Outer band (NE)	100% cloud (Retransmit) PTH interval 603-677	01
2	990415209	183535	21.99	77.16	1011.1	10014	11515		» NNE	100% cloud - Lg. Cb's to left in lt. haze / Retransmit	02
3	990415263	184925	21.41	75.32	1011.1	10014	11015		»	in cloud (gap - all data ~ 850 mb)	03
4	990838022	190434	20.43	73.57	1011.4	06512	08013		E of G	50% alto stratus below	04
5	990845161	192437	19.50	75.51	1010.6	07506	10007		»	stratus below no gap	05
6	990415335	194504	19.51	77.99	1009.2	—	12020		»	in thin cirrus	06
7	990215015	200806	20.68	80.55	1008.9	15015	14049		» ~1200m closest	in CDO (RH2), RH2 130-360 in (RH problem + 11.00)	07
8	990415377	203948	17.52	82.55	1006.8	25015	23019		SSE of G	in CDO (AOC Press. offset -1.1)	08
9	990215019	205338	17.26	84.25	1006.7	—	26529		S75	lowering (100%) right in updraft Cu below RH2	09
10	990415121	211002	17.98	86.20	1006.3	27015	29015		SSW of G	strcn below + Cb's (100%) RH adj. *	10
11	990415100	215509	18.83	91.85	1008.8	33510	34011		Max	< 200% below	11
12	990415255	220838	20.39	92.43	1009.6	355/11	360/11		W of G	100% alto stratus cirrus below	12
13	990415255	222230	21.98	92.84	1010.5	20/16	15/16		WNW of G	30% Cu below - flight winds looked bad.	13
14	990415057	224041	22.08	90.55	1009.4	45/17	50/19		»	15% Cu below - flight winds bad	14
15	991018033	230027	24.47	90.61	1012.2	45/15	50/16		NW of G	10% Cu below - slow fall first 3805	15
16	990415262	231847	24.58	92.95	1013.0	50/12	60/15		»	20% Cu below	16
17	990418060	233934	26.99	92.84	1014.4	55/10	55/16		»	20% Cu below - slow fall first 4005	17
18	990415128	235836	27.00	90.25	1014.5	50/15	60/18		»	Dark	18

Chris - Stan

gap (all data) ~ 850 mb

RH not very responsive till ~ 430 ft

603
677

992
55-60

758
58
Fri
50

Retransmit Notes:
 ① Both HAPS stations were transmitting at some time. (retrans. time?)
 ② Channel used initially had no winds - had to retransmit channel 1.
 ③ Cutoff by retransmit of #10

(*) wind max at ~ 450 mb (sonde probably passed thru tower)

20.1, 83.7
360 d?

100% 40kft

105

