

AOC GPS Dropwindsonde Log (updated Mar 2017)

Flight ID: 190928N1

ASPEN Operator/Flight Director(s): J. Dunton, Rich Henning / Jane Carpenter

Mission ID: WC13A LORENZO

Storm Name/Track: Hurricane Lorenzo

PG 2 of 1

Sonde #	Ch #	Launch Time HHMMSS (Z)	Sonde ID (no pad #)	Ch # used	Lat (°N)	Lon (°E)	Prominent Wx Cond.	SFC Pts (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	X	130117	40172	1	17.52	52.97	"	1014.0	backed up - no winds until ~26k ft		Y
2	1	130218	40669	2	17.60	52.86	cloud/SAL	1014.2	SAL ~40% RH 650-850mb / 7100 ft		N
3	2	131039	30260	3	18.36	51.77	"	1013.9	same		N
4	3	132354	40460	4	19.17	50.57	"	1012.8	Flagged last pt (0 Sats) 5-35% RH 400-700mb		N
5	4	133524	40348	4	20.00	49.36	"	1011.9	Flagged last pt (0 Sats) Same RH profile		N
6	5	134546	41430	2	20.94	48.41	"	1009.5	Flagged last pt (0 Sats)		N
7	6	135713	40317	3	21.96	47.38	"	1005.5	Flagged last - 0 Sats		N
8	7	140622	20022	4	22.81	46.65	"	1003.2	Flagged last 2 pts - 0 Sats		N
9	8	141404	40314	1	23.54	47.29	"	1006.6	HSkt NE jet ~850-950mb		N
10	9	142222	40543	2	24.28	48.10	Shallow Cirr / Strat cu below	1010.7	Flagged last 2 pts 0 Sats		N
11	10	143007	20789	3	24.96	48.85	"	1012.1	suvt NE jet ~850mb (shallow)		N
12	11	143632	50454	4	25.54	49.38	"	1013.2	Flagged last pt (0 Sats) ~5% RH 600mb		N
13	12	144301	40331	1	25.42	48.97	strat cu	1011.6	70-40% RH 500-700mb		N
14	13	145054	50625	2	25.19	47.55	undercast	1011.0	Flagged last 2 pts (0 Sats)		N
15	14	145854	40768	3	24.94	46.51	"	1008.4	"		N
16	15	150616	40776	4	24.83	45.55	"	1006.9	Flagged lowest 2 pts + 2 near-sft pts		N
17	16	151444	30197	1	25.83	45.15	"	1009.0	suvt E jet 900mb		N
18	17	152345	40495	2	26.94	44.79	"	NA	Did not hit SR (~991mb) Flagged sev. 0 sat links		Y
19	18	153122	40337	3	27.78	44.39	"	1015.2	~dry adiab 900-SFC		N
20	19	153908	20786	4	26.93	44.06	"	1013.8	flag last wind & Sats SFC wind 075/21	XF	N
21	20	154809	40641	1	25.90	43.71	"	1011.2	flag last wind & Sats 090/31	XF	N
22	21	155742	40343	2	24.84	43.34	"	1008.4	flag last 2 winds & Sats 100/26	XF	N
23	22	160613	20338	3	24.12	42.58	CDO	1008.3	115/28	XF	N
24	23	161504	40649	4	23.14	42.33	CDO	1007.5	flag last 2 winds & Sats 130/39	XF	N
25	24	162340	40201	1	22.19	42.65	CDO	NA	died @ 979 mb LAST 160/56	XF	Y
26	25	163306	20922	2	21.41	43.46	CDO	1002.2	170/40	XF	N
27	X	164655	40667	3	19.99	44.20	LAUNCH	1005.6	DETECT (w/igs) backed up 225/33	F	NOT TRANSMITTED
28	26	164703	40342	4	19.97	44.20	UCAST	1006.2	BACKUP several times 210/33	XF	N
29	27	165608	20788	1	19.02	44.54	UCAST	1008.3	flag last wind & Sats 230/29	XF	N
30	28	170301	40671	2	19.74	44.90	UCAST	1006.4	flag last wind & Sats 235/26	XF	N
31	29	171136	10379	3	20.68	45.27	UCAST	1000.9	245/32	XF	N
32	30	171926	40338	4	21.44	45.69	UCAST	998.2	EYE on radar 8.5 NM NE 265/37	XF	N
33	31	172648	40163	1	20.94	46.34	UCAST	1002.9	280/33	XF	N
34	32	173500	40635	2	20.27	47.22	UCAST	1006.9	flag last 2 winds & 0 Sats 295/30	XF	N
35	33	174313	10111	3	19.59	48.01	BKN	1008.8	flag last wind & Sats 285/26	XF	N
36											
37											
38											

w/pt

v/pt

Spt

CLOSEST

LAST

COMMENTS: ASPEN Operator will ensure this form is delivered to the AOC Flight Director to be archived

Obs Xmitted Obs Missed # of sondes launched # of bad sondes