

AOC GPS Dropwindsonde Log (updated Mar 2016)

take-off (BG): 1204Z  
landing (BG): 1938Z

Flight ID: 190927N1

ASPEN Operator/Flight Director(s): Jason Dunion / James Carpenter

Mission ID: WA13A LORENZO

Storm Name/Track: Hurricane Lorenzo

PG 1 of 1

Sonde #	Ob #	Launch Time HHMMSS (Z)	Sonde ID (see text)	Ch # (used)	Lat (°N)	Lon (°E)	Prominent Wx Cond.	SFC Pres (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	1	130854	191720627	1	15.01	52.47	SAL-clr	1014.9	SAL drop 279 RH ~ 800mb Flagged final pt (0sats)		N
2	2	132606	191750492	2	15.81	50.36	"	1013.5	SAL		N
3	3	134310	19170575	3	16.61	49.27	"	1013.0	SAL		N
4	X	135921	191720627	4	17.47	46.44	unbrst		no DRH backed up		Y
5	4	140044	30700	1	17.63	46.41	"	1009.8	SAL, DRV adiab below 925mb		N
6	5	140540	50469	2	18.23	46.30	unbrst	1009.6	SAL layer thinner 550-800mb		N
7	6	141953	21124	3	19.03	44.83	"	1003.4	Flagged final 2 pts - no sats, SAL no ice sat	Jurkin not missed	N
8	7	142420	20336	4	19.42	44.54	"	1000.8	Moist (84-100% RH 400-5FC) - 74 kt 800mb		N
9	8	143217	50484	1	20.22	45.08	"	1007.4	Flagged last 2 pts (no sats)		N
10	9	143933	20837		20.87	45.68	"	1010.7	Flagged 1st pt (no sats)		N
11	10	144544	50473		21.45	46.10	"	1011.2			N
12	11	145115	21105		21.36	45.39	"	1011.0	Flagged last 2 pts (no sats)		N
13	12	145816	21122		21.20	44.46	"	1007.6			N
14	13	150519	21115		21.17	43.58	"	1004.3	Flagged 1st 2 pts (0sats; bad winds)		N
15	14	151157	30958		21.93	43.26	"	1009.2			N
16	15	151910	20864		22.79	42.98	"	1013.4	Flagged 4 933.5-937.25c (zero sats)		N
17	16	152448	20215		23.39	42.68	"	1014.8			N
18	17	153032	10580	2	22.79	42.41	"	1013.8	Flagged last pt (zero sats)		N
19	18	153800	20623	3	21.95	42.12	"	1010.4			N
20	19	154508	40935	4	21.25	41.74	"	NA	cut out at ~ 936.75c (~ 985mb)		Y
21	20	155132	20869	1	21.37	40.92	"	NA	cut out at 952.75c (~ 972mb)		Y
22	21	155849	40765	2	21.57	39.99	"	1014.1	Flagged 1st 2 pts (zero sats) Flagged bad RH		Y
23	22	160437	40767	3	21.63	39.29	"	1014.0	Flagged 1st 2 pts (0sats)		N
24	23	161030	40932	4	21.13	39.74	"	1012.3			N
25	24	161815	20335	1	20.47	40.39	"	1008.6	Flagged 1st 2 pts (0sats)		N
26	25	162546	31294	2	19.80	40.93	"	1005.3	Flagged low RHs near 940mb		N
27	26	163419	50480	3	18.96	40.34	"	1007.3			N
28	27	164216	20795	4	18.18	39.94	"	1009.8			N
29	28	164951	10071	1	18.30	40.94	"	1007.0	Flagged last pt (zero sats)		N
30	29	165923	20858	2	18.40	46.97	"	1006.6			N
31	30	170838	40859		17.44	43.47	"	1005.4	Flagged 1st 2 pts (0sats)		N
32	31	171558	40556		16.70	42.91	"	1006.8	Flagged 1st (0sats)		N
33	32	172418	40589		17.55	43.37	"	1003.7	Flagged 1st 2 pts (0/30 sats)		N
34	33	173346	50530		18.25	44.18	"	999.6	Flagged last (0sats)		N
35	34	173858	40668		18.41	44.76	"	1001.4			N
36	35	174631	10202		18.26	45.70	"	1005.3			N
37	36	175614	40738		18.16	46.91	"	1007.7			N
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NW pt.

N pt

NE pt

SE pt

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