

WZNP13 Central Pacific

HRD GPS Dropwindsonde Scientist Log (Revised 6/1999)

Storm Eugene

Flight Director Barry Damiano

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Flight ID 990812n

Dropwindsonde Scientists Mike Black

Takeoff 19/358 UTC

Mission ID NOAA70308E

AVAPS Operators John Hill, Al Goldstein

Landing _____ UTC

Eugene

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	10m wind (KNT)	MBL wind (kn)	BT 98T (°C)	Location Comment	Comments	Ob #
✓ 1	991828073	193524	22.59	156.30	311.0	1018.6	16	100/15	570 CU	New GPS module + PTH module	01
✓ 2	992435109	194738	23.69	155.0	183.4	1020.1	16	85/15	1090 CU	New "	02
✓ 3	992435107	200824	24.5	152.31	176.2	1020.9	14	90/10	20% low strat	New " SA layers 270-288 mb	03
✓ 4	992435162	202434	24.5	150.0	175.6	1020.9	13	92/10	5% low CU	late winds 180-200 mb	04
✓ 5	992435111	204002	24.50	147.80	175.7	1021.0	13	95/15	5% low CU	long release, New sonde, file too many missing logs	05
✓ 6	991845259	205641	24.3	145.5	175.9	1021.1	13	33m 85/10	Clear, Palm Seas	New, no launch info in sonde window used RH2 large inversion 740-780 mb	06
✓ 7	992435163	211640	22.03	145.61	176.6	1019.5	20	80/20	10% low CU	New, SA 986-1015 mb - OK	07
✓ 8	992435159	213411	22.00	147.79	176.5	1018.8	-	-	30% strat low CU	S TTC=9.0 slow temp sensor? no temps above 1200 mb used	08
✓ 9	991835089	215208	22.00	150.00	176.6	1017.5	18	85/15	40% strat CU	New, SA 184-198 mb	09
✓ 10	992435108	221044	21.92	152.26	176.6	1018.8	19	85/20	15% low CU	some dropouts, late winds sharp 800 mb inversion SA 200	10
✓ 11	991835094	223648	19.02	152.18	160.4	1015.9	22	80/20	80% strat	noisy GPS, possible dry bias	11
✓ 12	991828074	225413	19.00	150.00	160.5	1016.1	25	80/20	100% below	OK	12
✓ 13	992435161	231156	19.00	147.80	160.6	1016	27	80/25	5% low CU	OK	13
✓ 14	991835075	233030	18.89	145.53	160.7	1014.7	26	80/20	50% low strat	OK	14
✓ 15	991835108	234652	17.01	145.50	160.7	1013	31	85/25	100% below	NE of storm, next to CDO adjusted for PTH bias	15
✓ 16	992435164	000349	15.0	145.5	160.5	1010.7	24	170/20	50% low	~60 miles east of center - low level center SA 164-183 mb	16
✓ 17	991835104	002452	12.5	145.6	160.6	1010.5	11	21m	30% CU	pendulum chute - TTC 8.0 sec	17
✓ 18	992435104	004144	12.5	147.8	145.8	1011.2	06	315/5	100% low	some gaps, spikes 100 m SA 150-168 mb South	18

new sondes ↑

satcom failures

SA 179-192

008 # 1

08 11

11 11

11 not in report file

* - no exp. vel no GA?

* slow temp. sensor? of storm + used Cinst 120sec

