

## **Factual Report – Attachment 4**

AMDAR data from aircraft in the accident region between 0900 and 1000 PST

# **METEOROLOGY**

DCA20MA059

*Submitted by: Mike Richards  
NTSB, AS-30*

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#11149 ATL->LAX starting at 26-Jan-2020 17:00:00 with 10 obs

descent sounding ending at 26-Jan-2020 17:09:00

S F HHMM lat/lon Alt wd/ws t /td (RH) code

1	0	1700	34.0000/-117.742	9040	247°/012	3.8/-----
1	0	1701	33.9920/-117.830	7930	260°/013	5.8/-0.80
1	0	1702	33.9850/-117.914	6850	293°/005	5.8/-----
1	0	1703	33.9770/-117.989	5890	251°/001	7.8/-----
1	0	1704	33.9680/-118.064	4930	305°/004	9.5/-----
1	0	1705	33.9620/-118.137	3860	303°/007	12.0/-----
1	0	1706	33.9550/-118.209	2720	93°/001	12.7/-----
1	0	1707	33.9480/-118.270	1720	61°/004	7.3/-----
1	0	1708	33.9430/-118.324	900	100°/004	9.8/-----
1	0	1709	33.9380/-118.369	140	96°/006	12.0/-----

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AC#11264 LAS->LAX starting at 26-Jan-2020 17:00:00 with 19 obs

descent sounding ending at 26-Jan-2020 17:18:00

S F HHMM lat/lon Alt wd/ws t

1	0	1700	34.2140/-116.973	22290	227°/037	-23.5
1	0	1701	34.1860/-117.075	20850	232°/036	-21.3
1	0	1702	34.1590/-117.171	18640	229°/032	-16.5
1	0	1703	34.1320/-117.266	16500	242°/029	-15.0
1	0	1704	34.1070/-117.356	14560	236°/028	-9.5
1	0	1705	34.0860/-117.446	12570	243°/024	-4.8
1	0	1706	34.0610/-117.533	11410	249°/024	-1.8
1	0	1707	34.0310/-117.615	10560	251°/022	0.0
1	0	1708	34.0040/-117.698	9620	250°/019	2.5
1	0	1709	33.9960/-117.786	8480	248°/014	5.0
1	0	1710	33.9860/-117.871	7370	302°/012	5.3
1	0	1711	33.9790/-117.948	6440	286°/005	6.8
1	0	1712	33.9720/-118.020	5500	294°/006	8.8
1	0	1713	33.9660/-118.091	4570	304°/006	10.0
1	0	1714	33.9570/-118.166	3470	306°/007	13.0
1	0	1715	33.9510/-118.231	2430	114°/000	13.2
1	0	1716	33.9460/-118.291	1460	80°/001	8.3
1	0	1717	33.9410/-118.338	670	105°/003	10.5
1	0	1718	33.9360/-118.385	-90	101°/005	13.0

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AC#13137 DEN->LAX starting at 26-Jan-2020 17:00:00 with 12 obs

descent sounding ending at 26-Jan-2020 17:11:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1700	34.0440/-117.577	11330	249°/025	-1.8
1	0	1701	34.0140/-117.661	9830	253°/020	1.8
1	0	1702	34.0010/-117.747	8940	248°/014	3.8
1	0	1703	33.9910/-117.834	7790	277°/013	5.3
1	0	1704	33.9840/-117.917	6770	284°/007	5.8
1	0	1705	33.9760/-117.994	5810	267°/003	7.8
1	0	1706	33.9690/-118.069	4850	304°/006	9.8
1	0	1707	33.9610/-118.142	3790	295°/008	12.0
1	0	1708	33.9540/-118.211	2730	239°/001	12.5
1	0	1709	33.9480/-118.276	1670	47°/003	7.3
1	0	1710	33.9430/-118.331	730	90°/003	10.2
1	0	1711	33.9380/-118.381	-80	106°/005	13.0

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F (quality or restriction): 0 = good, 1 = bad/missing temp.,

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AC#11150 BNA->LAX starting at 26-Jan-2020 17:02:00 with 27 obs

descent sounding ending at 26-Jan-2020 17:33:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1702	34.2470/-115.280	34000	264°/049	-49.6
1	0	1705	34.1700/-115.644	34000	263°/050	-49.5
1	0	1708	34.1290/-116.012	34000	259°/050	-49.5
1	0	1710	34.1050/-116.245	33240	256°/049	-48.5
1	0	1711	34.0940/-116.360	31260	265°/062	-44.5
1	0	1712	34.0820/-116.470	29510	264°/058	-42.8
1	0	1713	34.0700/-116.575	27810	253°/049	-38.5
1	0	1714	34.0600/-116.680	27020	253°/046	-36.5
1	0	1715	34.0500/-116.792	25420	249°/044	-32.0
1	0	1716	34.0390/-116.909	23300	227°/034	-26.6
1	0	1717	34.0240/-117.030	21010	234°/033	-21.5
1	0	1718	34.0090/-117.147	19000	230°/031	-17.3
1	0	1719	33.9950/-117.259	16890	242°/025	-13.1
1	0	1720	33.9820/-117.369	14810	239°/028	-9.8
1	0	1721	33.9700/-117.477	12760	240°/023	-5.0
1	0	1722	33.9900/-117.582	11050	243°/022	-0.8

1	0	1723	34.0120/-117.672	9960	250°/019	1.5
1	0	1724	34.0120/-117.759	9050	246°/014	3.5
1	0	1725	34.0040/-117.845	7960	278°/016	5.3
1	0	1726	33.9950/-117.930	6860	306°/008	5.5
1	0	1727	33.9870/-118.017	5780	308°/004	8.3
1	0	1728	33.9790/-118.100	4770	319°/006	10.0
1	0	1729	33.9720/-118.167	3780	305°/007	12.5
1	0	1730	33.9650/-118.227	2820	274°/001	13.0
1	0	1731	33.9600/-118.285	1820	60°/006	7.8
1	0	1732	33.9550/-118.339	940	111°/002	10.0
1	0	1733	33.9500/-118.387	180	76°/005	12.3

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AC#11224 SMF->LAX starting at 26-Jan-2020 17:00:00 with 11 obs

descent sounding ending at 26-Jan-2020 17:10:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1700	34.0160/-118.538	7660	278°/021	4.5
1	0	1701	34.0110/-118.448	6780	282°/012	6.0
1	0	1702	34.0240/-118.365	4920	262°/010	9.8
1	0	1703	34.0320/-118.286	2740	249°/006	12.5
1	0	1704	34.0390/-118.216	2360	242°/001	12.3
1	0	1705	34.0170/-118.170	2000	349°/005	7.3
1	0	1706	33.9760/-118.185	1960	12°/003	7.0
1	0	1707	33.9660/-118.243	1960	51°/006	7.3
1	0	1708	33.9610/-118.293	1630	92°/006	7.5
1	0	1709	33.9560/-118.336	940	71°/003	9.5
1	0	1710	33.9520/-118.380	230	79°/004	11.8

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

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AC#11168 HOU->LAX starting at 26-Jan-2020 17:01:00 with 40 obs

descent sounding ending at 26-Jan-2020 17:55:00

S	F	HHMM	lat/lon	Alt	wd/ws	t / td (RH)	code
1	0	1701	33.3740/-112.571	38000	279°/052	-47.0/-76.4	
1	0	1704	33.4960/-112.940	38000	278°/053	-46.6/-77.8	
1	0	1707	33.6240/-113.301	38000	275°/055	-47.1/-76.4	
1	0	1710	33.7530/-113.663	38000	274°/055	-46.5/-77.8	
1	0	1713	33.8760/-114.026	38000	269°/055	-46.6/-76.4	
1	0	1716	33.9560/-114.408	38000	270°/058	-46.0/-82.0	

1 0 1719 34.0190/-114.791 38000 267°/062 -46.6/-77.8  
1 0 1722 34.0810/-115.171 38000 267°/055 -49.0/-77.8  
1 0 1724 34.1240/-115.443 36810 267°/050 -50.3/-77.5  
1 0 1725 34.1460/-115.568 35790 266°/057 -53.0/-70.0  
1 0 1726 34.1610/-115.690 34740 260°/050 -50.5/-69.6  
1 0 1727 34.1530/-115.813 33720 255°/050 -49.1/-69.3  
1 0 1728 34.1410/-115.931 32710 259°/056 -47.1/-67.0  
1 0 1729 34.1290/-116.045 31710 259°/060 -45.0/-67.1  
1 0 1730 34.1180/-116.158 30790 267°/060 -44.1/-60.6  
1 0 1731 34.1060/-116.276 29840 266°/053 -42.8/-56.3  
1 0 1732 34.0940/-116.391 28820 257°/058 -40.8/-48.0  
1 0 1733 34.0830/-116.505 27820 251°/050 -38.8/-47.9  
1 0 1734 34.0690/-116.618 26820 249°/048 -35.8/-45.6  
1 0 1735 34.0590/-116.731 25310 244°/046 -31.6/-44.3  
1 0 1736 34.0490/-116.841 23400 226°/036 -26.6/-44.2  
1 0 1737 34.0380/-116.953 21960 223°/039 -23.0/-44.4  
1 0 1738 34.0230/-117.060 19650 226°/034 -19.3/-28.8  
1 0 1739 34.0110/-117.171 18130 228°/031 -15.0/-27.7  
1 0 1740 33.9960/-117.283 16210 235°/031 -13.8/-13.8  
1 0 1741 33.9840/-117.390 14440 237°/030 -9.5/-9.70  
1 0 1742 33.9740/-117.488 12900 241°/026 -5.5/-7.30  
1 0 1743 33.9940/-117.581 11380 236°/023 -2.3/-5.10  
1 0 1744 34.0160/-117.673 9920 248°/019 1.3/-3.60  
1 0 1745 34.0160/-117.761 8950 255°/016 3.3/-1.50  
1 0 1746 34.0080/-117.843 7900 281°/016 4.8/0.800  
1 0 1747 34.0010/-117.918 7020 301°/009 5.3/-7.30  
1 0 1748 33.9940/-117.986 6140 287°/004 7.3/-5.40  
1 0 1749 33.9880/-118.048 5350 300°/005 9.0/-1.30  
1 0 1750 33.9810/-118.110 4750 297°/006 10.0/-4.30  
1 0 1751 33.9760/-118.170 3690 298°/005 12.3/-2.70  
1 0 1752 33.9690/-118.230 2700 232°/001 13.2/0.200  
1 0 1753 33.9630/-118.290 1710 54°/006 8.3/8.300  
1 0 1754 33.9580/-118.343 860 107°/006 10.5/9.600  
1 0 1755 33.9530/-118.391 60 90°/005 13.0/10.00

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AC#23100 MDW->LAX starting at 26-Jan-2020 17:00:00 with 24 obs

descent sounding ending at 26-Jan-2020 17:25:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1700	34.6540/-115.841	36010	263°/060	-53.3
1	0	1703	34.5190/-116.207	36000	262°/050	-52.0
1	0	1704	34.4600/-116.361	34940	259°/053	-51.0

1 0 1705 34.4150/-116.484 32220 258°/058 -46.5  
 1 0 1706 34.3670/-116.601 29980 267°/054 -43.0  
 1 0 1707 34.3200/-116.714 27760 251°/053 -38.5  
 1 0 1708 34.2750/-116.826 25520 246°/044 -32.5  
 1 0 1709 34.2300/-116.937 23250 229°/035 -26.5  
 1 0 1710 34.1920/-117.056 21000 232°/035 -21.5  
 1 0 1711 34.1600/-117.171 18880 229°/034 -17.0  
 1 0 1712 34.1300/-117.281 16710 247°/031 -14.0  
 1 0 1713 34.1020/-117.389 14540 236°/032 -9.8  
 1 0 1714 34.0750/-117.494 12700 241°/027 -4.8  
 1 0 1715 34.0500/-117.591 11620 245°/024 -2.5  
 1 0 1716 34.0270/-117.679 10410 247°/022 0.3  
 1 0 1717 34.0170/-117.767 8890 243°/015 3.5  
 1 0 1718 34.0070/-117.856 7780 280°/015 5.3  
 1 0 1719 33.9990/-117.944 6680 284°/007 5.8  
 1 0 1720 33.9900/-118.032 5540 288°/005 8.3  
 1 0 1721 33.9820/-118.119 4430 298°/009 10.5  
 1 0 1722 33.9740/-118.197 3240 302°/004 13.2  
 1 0 1723 33.9670/-118.264 2170 105°/003 12.0  
 1 0 1724 33.9620/-118.319 1250 170°/002 9.0  
 1 0 1725 33.9570/-118.369 450 69°/004 11.3

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AC#5086 LAX->RDU starting at 26-Jan-2020 17:25:00 with 43 obs

ascent sounding starting at 26-Jan-2020 17:25:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	2	1725	33.9340/-118.407	-100	---°/---	12.7
1	0	1725	33.9310/-118.414	0	80°/010	13.0
1	0	1725	33.9270/-118.422	300	87°/008	12.2
1	0	1725	33.9240/-118.429	570	84°/009	11.5
1	0	1725	33.9210/-118.436	880	85°/010	10.7
1	0	1725	33.9180/-118.443	1180	80°/008	9.7
1	0	1725	33.9140/-118.450	1350	88°/008	9.2
1	0	1725	33.9110/-118.457	1510	96°/006	8.7
1	0	1725	33.9080/-118.465	1810	91°/005	8.2
1	0	1725	33.9050/-118.472	1970	43°/005	8.0
1	0	1726	33.9010/-118.479	2180	42°/005	7.7
1	0	1726	33.8980/-118.486	2330	16°/004	10.7
1	0	1726	33.8950/-118.493	2430	346°/002	12.2
1	0	1726	33.8910/-118.500	2580	354°/003	12.5
1	0	1726	33.8880/-118.507	2780	323°/005	12.7
1	0	1726	33.8850/-118.515	3070	314°/007	13.5

1	0	1726	33.8710/-118.546	4170	291°/004	12.0
1	0	1727	33.8470/-118.559	4970	326°/006	10.2
1	0	1727	33.8210/-118.557	5850	300°/012	8.0
1	0	1727	33.7960/-118.551	6840	305°/014	6.2
1	0	1728	33.7690/-118.542	7550	296°/020	4.7
1	0	1728	33.7410/-118.534	8410	279°/020	3.0
1	0	1728	33.7140/-118.526	9400	279°/014	1.2
1	0	1729	33.6910/-118.506	10210	274°/015	-0.5
1	0	1729	33.6770/-118.474	10890	248°/020	-2.0
1	0	1729	33.6670/-118.439	11590	237°/023	-3.0
1	0	1730	33.6590/-118.402	12330	235°/025	-4.5
1	0	1730	33.6490/-118.366	12880	229°/028	-5.5
1	0	1730	33.6420/-118.326	13610	234°/029	-7.1
1	0	1731	33.6410/-118.284	14340	234°/032	-8.6
1	0	1731	33.6410/-118.239	14760	236°/032	-9.6
1	0	1731	33.6420/-118.194	15450	237°/034	-11.5
1	0	1732	33.6440/-118.147	16120	233°/031	-13.6
1	0	1732	33.6440/-118.101	16790	235°/032	-15.5
1	0	1732	33.6420/-118.052	17340	232°/031	-16.5
1	0	1733	33.6420/-118.004	17900	228°/034	-15.0
1	0	1733	33.6410/-117.954	18520	223°/036	-16.0
1	0	1733	33.6410/-117.904	19290	225°/041	-18.0
1	0	1734	33.6410/-117.852	19970	227°/042	-19.1
1	0	1734	33.6440/-117.801	20520	234°/044	-20.1
1	0	1734	33.6510/-117.749	21060	229°/044	-21.1
1	0	1754	34.1010/-114.687	35000	268°/052	-51.0
1	0	1754	34.1020/-114.677	35000	268°/052	-51.0

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AC#14347 LAX->ATL starting at 26-Jan-2020 17:41:00 with 41 obs

ascent sounding starting at 26-Jan-2020 17:41:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	2	1741	33.9400/-118.412	-80	---°/---	13.2
1	0	1741	33.9370/-118.419	100	95°/012	13.2
1	0	1741	33.9330/-118.427	420	98°/013	12.5
1	0	1741	33.9290/-118.434	760	104°/012	11.7
1	0	1741	33.9260/-118.442	1110	97°/010	10.7
1	0	1741	33.9220/-118.449	1340	100°/009	10.0
1	0	1741	33.9190/-118.457	1500	113°/012	9.5
1	0	1741	33.9150/-118.464	1610	110°/010	9.2
1	0	1741	33.9110/-118.472	1830	108°/011	8.7
1	0	1741	33.9080/-118.479	1960	90°/008	8.5

1	0	1742	33.9040/-118.487	2180	92°/006	9.5
1	0	1742	33.9000/-118.494	2430	92°/004	13.0
1	0	1742	33.8970/-118.502	2780	11°/002	13.2
1	0	1742	33.8930/-118.509	3130	309°/002	13.2
1	0	1742	33.8900/-118.517	3520	305°/003	13.7
1	0	1742	33.8860/-118.524	3890	303°/003	13.2
1	0	1742	33.8700/-118.557	5310	151°/002	10.5
1	0	1743	33.8440/-118.565	6270	357°/008	8.5
1	0	1743	33.8170/-118.558	7230	308°/014	5.7
1	0	1743	33.7890/-118.552	8370	281°/017	3.7
1	0	1744	33.7620/-118.543	9530	262°/019	1.5
1	0	1744	33.7340/-118.537	10640	240°/016	-0.1
1	0	1744	33.7090/-118.523	11660	234°/017	-2.5
1	0	1745	33.6900/-118.493	12080	248°/019	-3.5
1	0	1745	33.6800/-118.457	13030	231°/032	-5.0
1	0	1745	33.6700/-118.418	13760	229°/033	-6.6
1	0	1746	33.6590/-118.380	14610	234°/029	-8.5
1	0	1746	33.6500/-118.338	15440	241°/031	-10.6
1	0	1746	33.6500/-118.295	16320	240°/032	-13.1
1	0	1747	33.6540/-118.252	17060	229°/030	-15.6
1	0	1747	33.6590/-118.207	17620	230°/032	-17.0
1	0	1747	33.6640/-118.160	18040	234°/036	-15.0
1	0	1748	33.6690/-118.112	18650	232°/039	-16.0
1	0	1748	33.6740/-118.063	19380	232°/041	-17.5
1	0	1748	33.6800/-118.015	20160	225°/040	-19.1
1	0	1749	33.6850/-117.965	20890	229°/042	-21.1
1	0	1749	33.6900/-117.917	21510	228°/044	-22.5
1	0	1749	33.6950/-117.867	22150	225°/043	-24.0
1	0	1750	33.7000/-117.815	22820	223°/041	-25.5
1	0	1750	33.7070/-117.765	23510	221°/040	-27.0
1	0	1750	33.7120/-117.713	24150	223°/040	-28.6

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#4879 LAX->ORD starting at 26-Jan-2020 17:49:00 with 41 obs

ascent sounding starting at 26-Jan-2020 17:49:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	2	1749	33.9400/-118.407	-80	---°/---	13.2
1	0	1749	33.9370/-118.415	30	86°/012	13.2
1	0	1749	33.9350/-118.424	330	91°/010	13.0
1	0	1749	33.9320/-118.432	690	95°/010	11.7
1	0	1749	33.9300/-118.440	1010	85°/009	11.0
1	0	1749	33.9280/-118.449	1260	87°/008	10.0



1	0	1749	33.9250/-118.457	1430	90°/007	9.5
1	0	1749	33.9230/-118.466	1560	97°/008	9.0
1	0	1749	33.9200/-118.474	1840	99°/008	8.7
1	0	1749	33.9180/-118.483	2130	81°/006	8.2
1	0	1750	33.9160/-118.491	2360	81°/003	12.5
1	0	1750	33.9130/-118.500	2570	76°/004	12.7
1	0	1750	33.9110/-118.508	2880	358°/003	13.5
1	0	1750	33.9080/-118.517	3280	313°/003	13.5
1	0	1750	33.9060/-118.525	3700	325°/004	13.5
1	0	1750	33.9030/-118.533	4070	305°/002	12.7
1	0	1750	33.8930/-118.570	5410	2°/002	10.2
1	0	1751	33.8660/-118.577	6320	345°/011	8.5
1	0	1751	33.8410/-118.562	7190	325°/021	6.2
1	0	1751	33.8280/-118.532	8150	305°/026	4.2
1	0	1752	33.8330/-118.497	9060	280°/027	2.5
1	0	1752	33.8550/-118.472	9890	256°/024	0.7
1	0	1752	33.8810/-118.460	10630	233°/018	-0.5
1	0	1753	33.9130/-118.447	11000	215°/020	-1.0
1	0	1753	33.9410/-118.422	11330	215°/027	-1.6
1	0	1753	33.9610/-118.387	11840	232°/027	-3.0
1	0	1754	33.9830/-118.348	12540	230°/033	-3.6
1	0	1754	34.0050/-118.308	13310	232°/037	-5.6
1	0	1754	34.0280/-118.268	13980	234°/037	-7.1
1	0	1755	34.0500/-118.228	14880	236°/036	-9.0
1	0	1755	34.0730/-118.187	15650	235°/036	-11.5
1	0	1755	34.0960/-118.147	16430	234°/035	-13.6
1	0	1756	34.1200/-118.105	17180	232°/033	-16.0
1	0	1756	34.1430/-118.063	17830	229°/032	-17.6
1	0	1756	34.1680/-118.022	18250	230°/040	-15.0
1	0	1757	34.1910/-117.978	18860	229°/042	-16.1
1	0	1757	34.2160/-117.935	19500	231°/042	-17.6
1	0	1757	34.2410/-117.890	20190	224°/042	-19.6
1	0	1758	34.2660/-117.845	20890	224°/042	-21.1
1	0	1758	34.2930/-117.800	21520	228°/044	-22.6
1	0	1758	34.3180/-117.755	22070	225°/046	-23.6

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#11073 SMF->BUR starting at 26-Jan-2020 17:00:00 with 20 obs

descent sounding ending at 26-Jan-2020 17:19:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1700	35.1540/-119.511	26110	233°/056	-35.5
1	0	1701	35.0640/-119.426	23720	234°/053	-30.8

1 0 1702 34.9740/-119.351 21440 229°/050 -24.5  
 1 0 1703 34.8850/-119.291 19310 234°/046 -19.8  
 1 0 1704 34.8000/-119.234 17250 245°/038 -17.0  
 1 0 1705 34.7150/-119.177 14960 242°/035 -11.5  
 1 0 1706 34.6340/-119.124 13310 245°/034 -7.0  
 1 0 1707 34.5570/-119.074 11800 234°/025 -4.3  
 1 0 1708 34.4870/-119.012 9830 257°/023 -0.8  
 1 0 1709 34.4190/-118.949 8540 265°/024 2.8  
 1 0 1710 34.3600/-118.891 6890 285°/021 5.5  
 1 0 1711 34.3070/-118.831 6750 289°/022 6.3  
 1 0 1712 34.2600/-118.769 6480 287°/022 7.0  
 1 0 1713 34.2340/-118.696 5540 295°/013 9.0  
 1 0 1714 34.2090/-118.626 4660 270°/013 11.3  
 1 0 1715 34.2020/-118.557 3690 269°/010 12.3  
 1 0 1716 34.2000/-118.501 2740 168°/001 12.7  
 1 0 1717 34.2000/-118.457 2020 23°/001 7.3  
 1 0 1718 34.2000/-118.414 1300 258°/001 8.8  
 1 0 1719 34.1990/-118.371 580 287°/001 11.0

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

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F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#10411 LAX->FLL starting at 26-Jan-2020 17:29:00 with 71 obs

ascent sounding starting at 26-Jan-2020 17:29:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1729	33.9400/-118.396	-110	83°/005	13.7
1	0	1729	33.9390/-118.412	90	90°/009	12.7
1	0	1729	33.9380/-118.418	350	90°/008	12.2
1	0	1729	33.9370/-118.424	650	88°/008	11.5
1	0	1729	33.9370/-118.427	780	85°/007	11.0
1	0	1729	33.9360/-118.435	1020	82°/006	10.2
1	0	1729	33.9360/-118.441	1210	58°/006	9.7
1	0	1729	33.9350/-118.447	1350	99°/008	9.5
1	0	1730	33.9330/-118.454	1490	104°/007	8.7
1	0	1730	33.9310/-118.460	1650	88°/005	8.5
1	0	1730	33.9300/-118.463	1760	81°/005	8.2
1	0	1730	33.9260/-118.469	1980	81°/005	7.5
1	0	1730	33.9230/-118.475	2180	37°/005	7.2
1	0	1730	33.9190/-118.481	2340	14°/003	11.2
1	0	1730	33.9170/-118.484	2420	355°/003	12.2
1	0	1730	33.9150/-118.487	2520	333°/003	12.5
1	0	1730	33.9110/-118.493	2730	324°/005	12.5
1	0	1730	33.9030/-118.505	3190	297°/008	13.2
1	0	1731	33.8880/-118.526	4080	300°/010	12.5

1 0 1731	33.8710/-118.546	4980	288°/006	10.5
1 0 1731	33.8470/-118.556	5900	303°/008	8.2
1 0 1732	33.8220/-118.554	6850	302°/015	6.5
1 0 1732	33.8180/-118.553	7000	301°/016	6.2
1 0 1732	33.7920/-118.547	7910	289°/020	4.0
1 0 1732	33.7650/-118.539	8950	274°/021	2.5
1 0 1733	33.7390/-118.531	10050	265°/019	0.2
1 0 1733	33.7150/-118.518	11020	246°/015	-1.6
1 0 1733	33.6950/-118.495	11970	243°/020	-3.5
1 0 1734	33.6930/-118.491	12090	243°/020	-3.6
1 0 1734	33.6810/-118.460	12800	230°/033	-5.0
1 0 1734	33.6700/-118.425	13140	228°/032	-6.0
1 0 1735	33.6590/-118.389	13710	228°/034	-7.0
1 0 1735	33.6500/-118.351	14480	238°/031	-8.6
1 0 1735	33.6460/-118.310	15200	239°/032	-10.6
1 0 1737	33.6650/-118.104	18650	228°/041	-16.0
1 0 1737	33.6700/-118.060	19250	229°/044	-17.1
1 0 1737	33.6740/-118.015	19930	227°/045	-19.1
1 0 1738	33.6790/-117.969	20620	228°/044	-20.6
1 0 1738	33.6840/-117.923	21250	232°/048	-22.1
1 0 1738	33.6890/-117.876	21840	226°/047	-23.1
1 0 1738	33.6900/-117.869	21940	226°/048	-23.5
1 0 1739	33.6940/-117.822	22590	225°/046	-25.0
1 0 1739	33.6990/-117.775	23260	223°/044	-26.6
1 0 1739	33.7040/-117.727	23880	226°/044	-28.1
1 0 1740	33.7090/-117.680	24460	230°/045	-29.5
1 0 1740	33.7140/-117.631	24890	235°/049	-30.5
1 0 1742	33.7380/-117.386	26790	245°/057	-35.5
1 0 1742	33.7430/-117.333	27230	246°/057	-36.6
1 0 1742	33.7490/-117.281	27680	246°/057	-38.0
1 0 1743	33.7510/-117.120	28830	255°/067	-40.1
1 0 1743	33.7510/-117.112	28870	255°/067	-40.5
1 0 1743	33.7520/-117.228	28110	246°/062	-38.6
1 0 1743	33.7520/-117.174	28490	251°/063	-39.6
1 0 1744	33.7470/-116.947	29910	262°/060	-41.6
1 0 1744	33.7490/-117.003	29510	259°/063	-41.6
1 0 1744	33.7500/-117.058	29170	255°/068	-41.1
1 0 1745	33.7450/-116.835	30580	260°/067	-42.6
1 0 1745	33.7460/-116.891	30260	263°/064	-42.5
1 0 1747	33.7480/-116.562	32810	258°/059	-47.0
1 0 1747	33.7580/-116.508	33300	253°/057	-47.6
1 0 1747	33.7690/-116.454	33780	251°/053	-48.5
1 0 1748	33.7790/-116.401	34210	254°/054	-49.1
1 0 1748	33.7900/-116.348	34620	258°/054	-50.1
1 0 1748	33.8000/-116.295	34950	258°/056	-51.1
1 0 1749	33.8030/-116.279	35010	258°/057	-51.5

1 0 1751 33.8660/-115.954 35010 260°/053 -51.5  
 1 0 1753 33.9280/-115.629 35000 259°/053 -51.0  
 1 0 1755 33.9890/-115.304 35000 260°/051 -51.5  
 1 0 1757 34.0490/-114.981 35000 263°/052 -51.5  
 1 0 1759 34.1060/-114.650 35000 265°/053 -51.6  
 1 0 1759 34.1060/-114.658 35000 263°/053 -51.6

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

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AC#11047 LAX->PHX starting at 26-Jan-2020 17:35:00 with 42 obs

ascent sounding starting at 26-Jan-2020 17:35:00

S	F	HHMM	lat/lon	Alt	wd/ws	t /td (RH)	code
1	0	1735	33.9510/-118.418	-60	80°/004	14.0/10.20	
1	0	1735	33.9500/-118.423	120	56°/005	13.2/10.10	
1	0	1735	33.9500/-118.430	360	69°/005	12.5/10.00	
1	0	1735	33.9500/-118.435	600	91°/005	11.8/9.800	
1	0	1735	33.9480/-118.440	850	99°/004	11.0/9.700	
1	0	1735	33.9480/-118.445	1100	90°/004	10.2/9.500	
1	0	1735	33.9460/-118.452	1260	91°/006	9.5/9.500	
1	0	1735	33.9460/-118.457	1370	89°/006	9.0/9.000	
1	0	1735	33.9460/-118.463	1520	90°/007	8.8/8.800	
1	0	1736	33.9450/-118.470	1630	88°/005	8.3/8.300	
1	0	1736	33.9450/-118.477	1810	86°/005	8.0/8.000	
1	0	1736	33.9450/-118.485	2110	79°/003	7.5/7.500	
1	0	1736	33.9450/-118.490	2340	64°/001	11.0/5.100	
1	0	1736	33.9450/-118.492	2460	22°/001	12.0/3.000	
1	0	1736	33.9450/-118.498	2810	307°/005	12.7/2.900	
1	0	1736	33.9430/-118.505	3200	288°/008	13.2/0.700	
1	0	1736	33.9400/-118.512	3570	289°/008	13.2/-2.50	
1	0	1737	33.9230/-118.525	4240	284°/011	11.5/-3.80	
1	0	1737	33.8980/-118.525	4850	277°/010	11.0/-7.30	
1	0	1737	33.8750/-118.525	6130	287°/013	8.0/-9.90	
1	0	1738	33.8480/-118.525	7370	295°/016	5.3/-1.40	
1	0	1738	33.8210/-118.523	8740	271°/019	2.8/0.900	
1	0	1738	33.7950/-118.523	10260	252°/020	-0.3/-4.50	
1	0	1739	33.7660/-118.522	10960	241°/019	-2.0/-5.70	
1	0	1739	33.7380/-118.520	12140	238°/027	-4.0/-6.90	
1	0	1739	33.7100/-118.505	13400	231°/035	-6.3/-8.00	
1	0	1740	33.6880/-118.475	14760	232°/036	-9.3/-12.9	
1	0	1740	33.6750/-118.437	15980	234°/033	-12.5/-15.1	
1	0	1740	33.6630/-118.398	16850	235°/033	-15.5/-15.6	
1	0	1741	33.6530/-118.357	17800	235°/035	-17.6/-17.6	
1	0	1741	33.6450/-118.313	18590	237°/041	-16.5/-38.1	

1 0 1741 33.6400/-118.268 19490 234°/042 -18.5/-37.1  
 1 0 1742 33.6350/-118.223 20460 230°/043 -20.5/-37.9  
 1 0 1742 33.6280/-118.177 21400 232°/044 -22.6/-43.2  
 1 0 1742 33.6230/-118.130 22310 227°/046 -24.5/-41.1  
 1 0 1743 33.6160/-118.083 23220 226°/044 -27.0/-42.9  
 1 0 1743 33.6110/-118.037 24050 228°/045 -29.0/-42.1  
 1 0 1746 33.5480/-117.538 29450 259°/061 -41.0/-55.6  
 1 0 1749 33.5050/-117.047 33010 251°/054 -47.5/-64.2  
 1 0 1752 33.4980/-116.547 33000 259°/056 -47.1/-65.1  
 1 0 1755 33.4960/-116.043 33000 261°/053 -47.8/-65.1  
 1 0 1758 33.4910/-115.543 33000 264°/052 -47.8/-65.8

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

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AC#10403 LAX->SFO starting at 26-Jan-2020 17:12:00 with 79 obs

ascent sounding starting at 26-Jan-2020 17:12:00

descent sounding ending at 26-Jan-2020 18:11:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1712	33.9510/-118.412	-100	57°/004	14.5
1	0	1712	33.9490/-118.429	80	71°/009	13.5
1	0	1712	33.9480/-118.435	350	105°/008	12.7
1	0	1712	33.9480/-118.441	620	99°/009	11.7
1	0	1712	33.9480/-118.444	750	94°/009	11.2
1	0	1712	33.9470/-118.450	1020	94°/008	10.5
1	0	1712	33.9460/-118.457	1210	90°/008	10.0
1	0	1712	33.9450/-118.463	1370	84°/007	9.2
1	0	1713	33.9440/-118.469	1530	78°/005	9.0
1	0	1713	33.9440/-118.476	1650	82°/005	8.5
1	0	1713	33.9440/-118.480	1690	91°/006	8.2
1	0	1713	33.9440/-118.487	1780	90°/005	7.7
1	0	1713	33.9430/-118.494	1910	85°/006	7.7
1	0	1713	33.9430/-118.502	2030	108°/004	7.2
1	0	1713	33.9430/-118.506	2090	116°/005	7.2
1	0	1713	33.9430/-118.510	2140	111°/005	7.0
1	0	1713	33.9420/-118.518	2290	82°/003	7.0
1	0	1713	33.9410/-118.534	2760	296°/004	12.7
1	0	1714	33.9400/-118.562	3710	277°/006	12.7
1	0	1714	33.9380/-118.591	4700	279°/008	11.5
1	0	1714	33.9350/-118.619	5620	277°/009	9.0
1	0	1715	33.9330/-118.648	6520	300°/008	7.2
1	0	1715	33.9320/-118.653	6640	299°/009	6.7
1	0	1715	33.9300/-118.682	7670	296°/014	4.2
1	0	1715	33.9280/-118.712	8620	281°/016	2.5

1 0 1716 33.9260/-118.742 9590 260°/016 0.7  
1 0 1716 33.9230/-118.773 10320 243°/015 -1.1  
1 0 1716 33.9210/-118.806 10690 243°/015 -1.6  
1 0 1717 33.9210/-118.811 10740 244°/014 -1.6  
1 0 1717 33.9250/-118.847 11220 232°/014 -2.5  
1 0 1717 33.9380/-118.882 12210 238°/027 -3.5  
1 0 1718 33.9510/-118.917 13230 236°/032 -5.5  
1 0 1718 33.9650/-118.951 14270 239°/029 -8.0  
1 0 1718 33.9900/-118.978 15200 233°/031 -10.6  
1 0 1720 34.1540/-119.033 19130 236°/044 -19.0  
1 0 1720 34.1750/-119.066 19870 238°/043 -20.1  
1 0 1720 34.1930/-119.102 20600 228°/044 -21.6  
1 0 1721 34.2120/-119.139 21280 230°/050 -22.5  
1 0 1721 34.2320/-119.176 21910 225°/049 -24.0  
1 0 1721 34.2510/-119.214 22570 225°/052 -25.6  
1 0 1722 34.2540/-119.220 22680 225°/050 -26.1  
1 0 1722 34.2740/-119.258 23440 232°/051 -28.5  
1 0 1722 34.2940/-119.297 24200 228°/048 -30.5  
1 0 1723 34.3140/-119.336 24830 222°/053 -31.6  
1 0 1723 34.3340/-119.375 25440 227°/059 -32.6  
1 0 1723 34.3540/-119.415 26210 232°/060 -34.6  
1 0 1725 34.4560/-119.583 29980 250°/058 -40.1  
1 0 1727 34.6100/-119.774 29980 253°/058 -40.0  
1 0 1729 34.7640/-119.964 29980 254°/054 -40.1  
1 0 1731 34.9170/-120.155 29980 258°/058 -40.5  
1 0 1733 35.0700/-120.346 29980 258°/058 -41.0  
1 0 1735 35.2300/-120.529 29980 258°/060 -41.0  
1 0 1735 35.2340/-120.533 29980 258°/060 -41.0  
1 0 1737 35.3970/-120.712 29990 253°/061 -41.6  
1 0 1739 35.5770/-120.871 29980 253°/059 -42.0  
1 0 1741 35.7560/-121.030 29980 256°/066 -42.0  
1 0 1743 35.9320/-121.187 29980 258°/068 -42.5  
1 0 1745 36.1080/-121.344 29990 256°/062 -43.6  
1 0 1745 36.1140/-121.350 29980 256°/061 -43.6  
1 0 1746 36.2480/-121.471 29950 250°/056 -43.6  
1 0 1747 36.2920/-121.510 28820 257°/042 -42.6  
1 0 1747 36.3380/-121.552 27760 272°/036 -40.6  
1 0 1748 36.4240/-121.630 25750 269°/041 -37.5  
1 0 1749 36.4640/-121.666 24810 269°/041 -35.5  
1 0 1749 36.5060/-121.704 23820 280°/036 -33.5  
1 0 1750 36.5880/-121.769 21960 305°/050 -29.6  
1 0 1751 36.6270/-121.800 21060 310°/056 -27.1  
1 0 1751 36.6660/-121.831 20130 310°/057 -24.6  
1 0 1752 36.7410/-121.888 18270 322°/052 -21.0  
1 0 1753 36.7800/-121.902 17340 312°/047 -19.5  
1 0 1753 36.8230/-121.914 16300 301°/044 -18.0

1 0 1754 36.9090/-121.939 14260 292°/034 -12.5  
 1 0 1755 36.9510/-121.950 13260 281°/034 -11.0  
 1 0 1755 36.9930/-121.967 12300 282°/027 -8.6  
 1 0 1755 36.9980/-121.968 12210 284°/027 -8.5  
 1 0 1756 37.0780/-122.000 10450 288°/030 -4.1  
 1 0 1757 37.1530/-122.029 9600 288°/026 -1.6  
 1 0 1758 37.2100/-122.067 8960 286°/024 -0.5  
 1 0 1759 37.2340/-122.136 7990 289°/027 1.7

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#13302 LAX->HOU starting at 26-Jan-2020 17:09:00 with 51 obs

ascent sounding starting at 26-Jan-2020 17:09:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1709	33.9450/-118.423	-60	81°/005	13.2
1	0	1709	33.9450/-118.430	190	71°/004	13.0
1	0	1709	33.9430/-118.435	490	90°/005	12.0
1	0	1709	33.9430/-118.441	730	100°/006	11.5
1	0	1709	33.9430/-118.446	990	97°/004	10.5
1	0	1709	33.9410/-118.453	1240	87°/005	9.8
1	0	1709	33.9410/-118.458	1370	94°/005	9.0
1	0	1710	33.9410/-118.465	1500	95°/004	8.8
1	0	1710	33.9400/-118.471	1620	80°/003	8.3
1	0	1710	33.9400/-118.480	1720	84°/003	8.0
1	0	1710	33.9400/-118.486	1790	86°/003	7.5
1	0	1710	33.9400/-118.493	1900	83°/003	7.3
1	0	1710	33.9400/-118.501	2120	76°/002	7.3
1	0	1710	33.9400/-118.508	2270	48°/001	7.8
1	0	1710	33.9400/-118.510	2290	25°/001	9.0
1	0	1710	33.9380/-118.518	2430	305°/003	12.3
1	0	1710	33.9330/-118.535	3080	280°/010	13.2
1	0	1711	33.9160/-118.553	3930	284°/011	12.3
1	0	1711	33.8930/-118.558	4850	282°/012	10.7
1	0	1711	33.8660/-118.553	5870	283°/010	8.3
1	0	1712	33.8410/-118.548	6910	291°/012	6.5
1	0	1712	33.8150/-118.543	7970	281°/017	4.3
1	0	1712	33.7880/-118.538	9130	266°/022	2.3
1	0	1713	33.7630/-118.531	10310	252°/021	-0.3
1	0	1713	33.7350/-118.526	10860	249°/021	-2.0
1	0	1713	33.7080/-118.513	11500	238°/022	-2.5
1	0	1714	33.6860/-118.486	12430	234°/028	-4.3
1	0	1714	33.6730/-118.448	12890	229°/030	-5.3
1	0	1714	33.6610/-118.408	13740	227°/032	-7.3

1 0 1715 33.6510/-118.368 14530 232°/032 -8.8  
 1 0 1715 33.6430/-118.326 15340 235°/032 -11.0  
 1 0 1715 33.6410/-118.281 16180 237°/031 -13.5  
 1 0 1716 33.6410/-118.236 17000 236°/029 -15.8  
 1 0 1716 33.6410/-118.190 17790 230°/032 -15.1  
 1 0 1716 33.6410/-118.143 18370 228°/036 -15.1  
 1 0 1717 33.6410/-118.096 19090 222°/037 -17.0  
 1 0 1717 33.6410/-118.050 19770 225°/040 -18.8  
 1 0 1720 33.5930/-117.596 25150 240°/048 -31.0  
 1 0 1723 33.5010/-117.123 28760 260°/060 -40.3  
 1 0 1726 33.4830/-116.605 33000 259°/053 -47.5  
 1 0 1729 33.4230/-116.108 33000 261°/052 -47.8  
 1 0 1732 33.3610/-115.613 33000 263°/051 -47.8  
 1 0 1735 33.2980/-115.120 33010 266°/054 -48.0  
 1 0 1738 33.2330/-114.623 33000 269°/056 -48.3  
 1 0 1741 33.1650/-114.125 33000 272°/054 -48.3  
 1 0 1744 33.0950/-113.630 33000 278°/053 -49.1  
 1 0 1747 33.0250/-113.138 33000 284°/054 -49.6  
 1 0 1750 32.9500/-112.646 33010 287°/058 -48.8  
 1 0 1753 32.8750/-112.153 33000 291°/053 -47.8  
 1 0 1756 32.7980/-111.665 33000 297°/052 -47.8  
 1 0 1759 32.7200/-111.176 33000 300°/058 -48.8

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#13246 LAX->SFO starting at 26-Jan-2020 17:17:00 with 41 obs

ascent sounding starting at 26-Jan-2020 17:17:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	2	1717	33.9450/-118.429	-100	---°/---	13.0
1	0	1717	33.9440/-118.438	-10	84°/008	12.7
1	0	1717	33.9440/-118.446	280	90°/009	12.5
1	0	1717	33.9430/-118.455	600	92°/010	11.7
1	0	1717	33.9430/-118.463	920	98°/008	10.7
1	0	1717	33.9420/-118.472	1150	93°/009	9.7
1	0	1717	33.9410/-118.480	1310	84°/009	9.2
1	0	1717	33.9410/-118.488	1470	81°/007	8.7
1	0	1717	33.9400/-118.497	1750	81°/005	8.0
1	0	1717	33.9400/-118.505	1900	83°/005	7.7
1	0	1718	33.9390/-118.514	2060	77°/004	7.5
1	0	1718	33.9380/-118.522	2250	101°/003	7.2
1	0	1718	33.9380/-118.531	2460	23°/001	10.5
1	0	1718	33.9370/-118.539	2690	334°/000	11.7
1	0	1718	33.9370/-118.548	3010	301°/005	12.2



1 0 1718 33.9360/-118.556 3380 277°/005 12.5
1 0 1718 33.9330/-118.593 4660 275°/008 11.2
1 0 1719 33.9320/-118.623 5600 277°/009 9.0
1 0 1719 33.9280/-118.653 6510 296°/009 7.0
1 0 1719 33.9270/-118.684 7580 296°/015 4.2
1 0 1720 33.9230/-118.716 8670 275°/016 2.0
1 0 1720 33.9220/-118.746 9710 253°/016 0.0
1 0 1720 33.9200/-118.779 10410 241°/016 -2.0
1 0 1721 33.9170/-118.814 10840 237°/015 -2.5
1 0 1721 33.9200/-118.851 11270 229°/017 -3.1
1 0 1721 33.9320/-118.891 12040 236°/026 -4.0
1 0 1722 33.9470/-118.928 13080 237°/032 -5.6
1 0 1722 33.9630/-118.966 14150 236°/029 -8.1
1 0 1722 33.9900/-118.994 15100 233°/032 -11.1
1 0 1723 34.0270/-119.008 16080 234°/037 -14.0
1 0 1723 34.0670/-119.013 17150 240°/039 -16.6
1 0 1723 34.1050/-119.018 18140 240°/040 -18.6
1 0 1724 34.1400/-119.038 19030 238°/045 -19.5
1 0 1724 34.1680/-119.069 19680 234°/047 -20.6
1 0 1724 34.1870/-119.109 19930 230°/043 -21.1
1 0 1725 34.2020/-119.151 19980 234°/045 -21.6
1 0 1725 34.2180/-119.193 20210 234°/047 -22.0
1 0 1725 34.2330/-119.234 20970 230°/052 -22.5
1 0 1726 34.2500/-119.278 21700 225°/051 -24.5
1 0 1726 34.2670/-119.321 22410 228°/051 -27.0
1 0 1726 34.2830/-119.364 23140 230°/051 -28.5

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#11156 PHX->BUR starting at 26-Jan-2020 17:00:00 with 37 obs

descent sounding ending at 26-Jan-2020 17:51:00

S	F	HHMM	lat/lon	Alt	wd/ws	t /td (RH)	code
1 0 1700 34.2250/-113.451 34000 279°/054 -50.3/-70.0							
1 0 1703 34.3130/-113.839 34000 275°/055 -50.5/-73.0							
1 0 1706 34.3980/-114.228 34000 273°/057 -50.5/-66.2							
1 0 1709 34.4830/-114.616 34000 265°/055 -50.8/-64.2							
1 0 1712 34.5680/-115.009 34000 261°/053 -50.5/-65.8							
1 0 1715 34.6530/-115.406 33990 258°/051 -50.3/-73.0							
1 0 1717 34.7250/-115.768 30960 269°/055 -44.5/-63.5							
1 0 1718 34.7470/-115.899 28510 253°/053 -40.5/-48.6							
1 0 1719 34.7650/-116.028 26140 249°/046 -34.0/-43.1							
1 0 1720 34.7830/-116.153 24010 233°/037 -28.3/-45.8							
1 0 1721 34.7950/-116.278 23070 225°/036 -26.6/-44.9							

1	0	1722	34.7920/-116.403	22040	227°/038	-24.1/-40.9
1	0	1724	34.7770/-116.659	22000	228°/037	-24.5/-40.4
1	0	1725	34.7680/-116.741	21620	230°/037	-23.5/-38.9
1	0	1726	34.7570/-116.859	20590	226°/039	-20.8/-36.3
1	0	1727	34.7450/-116.978	19990	226°/037	-19.3/-34.1
1	0	1730	34.7100/-117.314	19990	226°/040	-19.5/-34.4
1	0	1732	34.6800/-117.606	18610	220°/038	-16.5/-33.7
1	0	1733	34.6630/-117.721	17400	220°/030	-13.8/-34.1
1	0	1734	34.6470/-117.833	16370	236°/034	-14.8/-15.3
1	0	1735	34.6300/-117.939	14540	234°/034	-9.3/-13.9
1	0	1736	34.6150/-118.043	12520	226°/032	-5.0/-8.20
1	0	1737	34.5980/-118.148	10440	238°/020	-1.5/-2.80
1	0	1738	34.5830/-118.246	9600	239°/019	0.8/-0.80
1	0	1739	34.5680/-118.338	7930	269°/020	3.8/0.700
1	0	1740	34.5500/-118.423	7780	277°/018	3.8/1.300
1	0	1741	34.4970/-118.483	7270	279°/017	4.8/1.800
1	0	1742	34.4400/-118.543	5990	280°/010	8.0/1.700
1	0	1743	34.3850/-118.603	5750	266°/008	8.8/0.900
1	0	1744	34.3320/-118.663	5390	269°/006	9.5/0.300
1	0	1745	34.2670/-118.689	4700	283°/009	11.3/0.200
1	0	1746	34.2120/-118.656	3850	286°/009	11.3/0.500
1	0	1747	34.2000/-118.589	3620	272°/008	11.8/0.900
1	0	1748	34.1980/-118.526	2730	130°/003	12.7/1.600
1	0	1749	34.1980/-118.469	2170	151°/001	8.8/6.900
1	0	1750	34.1980/-118.419	1360	4°/000	9.3/8.800
1	0	1751	34.1970/-118.374	610	251°/001	11.3/9.400

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#11543 DEN->BUR starting at 26-Jan-2020 17:01:00 with 34 obs

descent sounding ending at 26-Jan-2020 17:42:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1701	35.3680/-114.973	34000	264°/059	-50.5
1	0	1703	35.3080/-115.181	33360	263°/060	-48.8
1	0	1704	35.2730/-115.300	32450	265°/063	-47.5
1	0	1705	35.2380/-115.420	31510	270°/056	-45.3
1	0	1706	35.2010/-115.545	30570	263°/051	-44.0
1	0	1707	35.1650/-115.670	29990	266°/051	-42.0
1	0	1709	35.0750/-115.906	30000	261°/054	-43.3
1	0	1710	35.0110/-116.030	28200	255°/057	-39.5
1	0	1711	34.9600/-116.133	25920	247°/043	-33.5
1	0	1712	34.9080/-116.238	23810	231°/041	-28.0
1	0	1713	34.8650/-116.346	22990	232°/037	-26.5

1 0 1715 34.7880/-116.556 22410 230°/037 -25.1  
 1 0 1716 34.7730/-116.675 22000 229°/038 -24.0  
 1 0 1718 34.7530/-116.885 22000 230°/037 -24.0  
 1 0 1721 34.7160/-117.238 22000 230°/042 -23.5  
 1 0 1724 34.6830/-117.561 19910 224°/039 -19.5  
 1 0 1725 34.6710/-117.671 17920 221°/033 -14.5  
 1 0 1726 34.6600/-117.783 15370 239°/033 -11.8  
 1 0 1727 34.6480/-117.893 13790 233°/034 -7.3  
 1 0 1728 34.6360/-117.996 13780 233°/034 -7.5  
 1 0 1729 34.6210/-118.096 11930 229°/029 -3.5  
 1 0 1730 34.5980/-118.195 10040 243°/020 0.0  
 1 0 1731 34.5780/-118.286 8950 260°/016 2.0  
 1 0 1732 34.5600/-118.373 7780 274°/022 4.0  
 1 0 1733 34.5250/-118.446 7790 272°/022 3.8  
 1 0 1734 34.4630/-118.496 7340 279°/016 4.8  
 1 0 1735 34.4000/-118.545 6350 277°/013 7.5  
 1 0 1736 34.3360/-118.595 5340 274°/004 9.5  
 1 0 1737 34.2660/-118.618 4760 279°/009 11.0  
 1 0 1738 34.2060/-118.588 3770 270°/007 12.0  
 1 0 1739 34.1980/-118.516 2990 247°/002 12.7  
 1 0 1740 34.1960/-118.456 2000 0°/000 8.0  
 1 0 1741 34.1960/-118.411 1250 118°/001 9.5  
 1 0 1742 34.1950/-118.368 540 144°/001 11.5

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#11018 OAK->BUR starting at 26-Jan-2020 17:02:00 with 66 obs

ascent sounding starting at 26-Jan-2020 17:02:00

descent sounding ending at 26-Jan-2020 17:54:00

S	F	HHMM	lat/lon	Alt	wd/ws	t / td (RH)	code
1	0	1702	37.7090/-122.225	-190	282°/005	12.5/12.50	
1	0	1702	37.7110/-122.228	110	278°/008	12.5/12.50	
1	0	1702	37.7140/-122.231	460	284°/009	11.8/11.80	
1	0	1702	37.7160/-122.236	750	286°/010	10.7/10.70	
1	0	1702	37.7190/-122.240	1060	281°/009	10.5/10.50	
1	0	1702	37.7210/-122.243	1300	280°/008	9.8/9.200	
1	0	1702	37.7240/-122.248	1470	281°/008	9.3/8.800	
1	0	1702	37.7270/-122.253	1630	284°/007	9.0/8.600	
1	0	1702	37.7310/-122.256	1710	291°/007	8.5/8.500	
1	0	1703	37.7340/-122.261	1740	297°/007	8.5/8.400	
1	0	1703	37.7370/-122.268	1760	297°/007	8.5/8.400	
1	0	1703	37.7410/-122.271	1790	294°/007	8.5/8.400	
1	0	1703	37.7410/-122.273	1800	294°/007	8.5/8.500	

1 0 1703 37.7440/-122.278	1910 294°/008	8.3/8.300
1 0 1703 37.7470/-122.283	2110 299°/007	7.8/7.800
1 0 1703 37.7510/-122.288	2350 301°/007	7.3/7.300
1 0 1703 37.7520/-122.290	2400 301°/007	7.0/7.000
1 0 1703 37.7620/-122.308	3730 283°/015	6.5/3.900
1 0 1704 37.7670/-122.330	5030 275°/016	3.8/2.000
1 0 1704 37.7690/-122.351	6540 300°/021	2.8/-18.7
1 0 1704 37.7540/-122.368	7950 312°/029	-0.3/-21.1
1 0 1705 37.7320/-122.373	9180 284°/028	-1.8/-25.0
1 0 1705 37.7090/-122.380	9710 279°/025	-3.0/-28.2
1 0 1705 37.6820/-122.385	9760 283°/025	-3.0/-29.6
1 0 1706 37.5960/-122.406	9760 285°/024	-3.0/-31.0
1 0 1706 37.6270/-122.398	9770 284°/024	-3.3/-30.8
1 0 1706 37.6560/-122.391	9770 281°/025	-3.3/-30.1
1 0 1707 37.5640/-122.411	9900 286°/024	-3.3/-31.7
1 0 1707 37.5310/-122.406	10860 284°/025	-5.3/-32.8
1 0 1707 37.4970/-122.396	12290 280°/029	-9.0/-29.0
1 0 1708 37.4670/-122.373	13680 276°/032	-12.3/-30.5
1 0 1708 37.4390/-122.341	15000 279°/035	-15.5/-26.5
1 0 1708 37.4110/-122.310	16040 291°/040	-17.3/-40.1
1 0 1709 37.3820/-122.276	17110 294°/045	-20.1/-42.7
1 0 1709 37.3520/-122.241	18060 305°/051	-21.5/-47.6
1 0 1709 37.3210/-122.206	19040 309°/051	-23.5/-51.3
1 0 1710 37.2890/-122.170	20160 307°/050	-25.8/-52.9
1 0 1713 36.9690/-121.810	30780 255°/064	-45.0/-64.4
1 0 1716 36.6770/-121.485	31000 255°/066	-45.8/-67.4
1 0 1719 36.3810/-121.158	31000 261°/066	-43.3/-80.0
1 0 1722 36.0740/-120.845	31010 261°/065	-44.0/-67.4
1 0 1725 35.7740/-120.541	31000 264°/057	-43.3/-63.5
1 0 1728 35.4760/-120.238	31010 255°/054	-42.8/-62.3
1 0 1730 35.4110/-120.020	29000 250°/057	-39.5/-67.8
1 0 1733 35.1420/-119.753	27890 242°/053	-38.3/-67.5
1 0 1734 35.0440/-119.701	25860 230°/055	-35.0/-57.4
1 0 1735 34.9490/-119.655	23830 235°/054	-31.5/-53.5
1 0 1736 34.8620/-119.596	21710 226°/053	-26.0/-38.8
1 0 1737 34.7970/-119.501	19690 234°/049	-21.6/-40.4
1 0 1738 34.7340/-119.406	18250 237°/044	-18.3/-39.5
1 0 1739 34.6740/-119.315	16140 231°/036	-14.8/-24.6
1 0 1740 34.6190/-119.220	14210 238°/037	-10.5/-10.8
1 0 1741 34.5710/-119.123	12300 237°/030	-4.8/-30.3
1 0 1742 34.5160/-119.041	11540 237°/025	-3.3/-30.6
1 0 1743 34.4510/-118.981	9470 257°/024	0.0/-1.50
1 0 1744 34.3860/-118.920	7840 268°/024	3.8/0.600
1 0 1745 34.3260/-118.853	6750 274°/020	6.3/2.200
1 0 1746 34.2660/-118.790	5770 289°/015	8.3/3.200
1 0 1747 34.2120/-118.731	5630 294°/013	8.5/3.500

1 0 1748 34.1990/-118.658 4920 279°/011 10.7/1.000  
 1 0 1749 34.1990/-118.596 4310 271°/012 11.0/2.000  
 1 0 1750 34.1990/-118.550 3570 284°/004 11.3/0.900  
 1 0 1751 34.1970/-118.506 2840 152°/003 12.3/1.800  
 1 0 1752 34.1970/-118.463 2130 142°/002 7.5/7.500  
 1 0 1753 34.1970/-118.421 1420 166°/002 8.5/8.500  
 1 0 1754 34.1960/-118.380 750 190°/002 10.7/9.500

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#10967 BUR->LAS starting at 26-Jan-2020 17:07:00 with 57 obs

ascent sounding starting at 26-Jan-2020 17:07:00

descent sounding ending at 26-Jan-2020 17:43:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1707	34.1980/-118.357	570	32°/004	11.0
1	0	1707	34.1940/-118.357	840	36°/004	11.0
1	0	1707	34.1890/-118.355	1120	69°/003	10.2
1	0	1707	34.1860/-118.355	1430	83°/004	9.5
1	0	1707	34.1830/-118.357	1700	114°/004	9.0
1	0	1707	34.1780/-118.360	1890	119°/003	8.5
1	0	1707	34.1740/-118.364	2000	120°/002	8.0
1	0	1707	34.1710/-118.367	2120	123°/003	7.5
1	0	1707	34.1680/-118.372	2240	98°/005	10.7
1	0	1708	34.1630/-118.377	2370	98°/006	12.5
1	0	1708	34.1590/-118.382	2650	113°/004	13.0
1	0	1708	34.1540/-118.387	3040	171°/002	12.5
1	0	1708	34.1540/-118.389	3180	204°/003	12.7
1	0	1708	34.1510/-118.392	3470	228°/003	13.0
1	0	1708	34.1480/-118.397	3850	253°/006	12.3
1	0	1708	34.1430/-118.400	4210	262°/009	12.0
1	0	1708	34.1410/-118.404	4450	266°/010	11.8
1	0	1708	34.1280/-118.420	5440	254°/011	10.0
1	0	1709	34.1310/-118.444	6500	278°/013	7.3
1	0	1709	34.1490/-118.455	7830	285°/017	4.0
1	0	1709	34.1730/-118.450	8430	272°/020	2.8
1	0	1710	34.1980/-118.439	9570	261°/021	1.3
1	0	1710	34.2240/-118.427	10560	249°/022	-1.5
1	0	1710	34.2540/-118.415	11320	251°/022	-3.5
1	0	1711	34.2840/-118.404	12400	235°/027	-5.0
1	0	1711	34.3160/-118.390	13400	232°/035	-7.0
1	0	1711	34.3510/-118.379	14600	235°/034	-9.3
1	0	1712	34.3840/-118.364	15860	238°/036	-12.6
1	0	1712	34.4180/-118.350	17110	240°/037	-16.3

1 0 1712 34.4530/-118.335 18200 230°/040 -15.1  
 1 0 1713 34.4840/-118.312 18850 224°/041 -17.0  
 1 0 1713 34.5140/-118.282 19060 223°/041 -17.6  
 1 0 1713 34.5440/-118.252 19810 224°/042 -19.3  
 1 0 1714 34.5740/-118.222 21180 229°/044 -22.6  
 1 0 1714 34.6040/-118.192 22070 234°/048 -25.0  
 1 0 1714 34.6340/-118.162 22940 234°/047 -27.3  
 1 0 1715 34.6590/-118.124 23910 231°/043 -29.5  
 1 0 1718 34.7090/-117.632 27010 241°/056 -36.6  
 1 0 1721 34.8230/-117.189 27010 246°/053 -37.0  
 1 0 1724 34.9780/-116.757 27010 250°/050 -37.0  
 1 0 1726 35.0980/-116.427 24210 232°/038 -29.1  
 1 0 1728 35.2280/-116.247 23750 233°/037 -29.1  
 1 0 1729 35.3110/-116.142 21590 233°/033 -24.1  
 1 0 1730 35.3910/-116.042 19510 242°/028 -19.0  
 1 0 1731 35.4680/-115.945 17660 251°/026 -14.3  
 1 0 1732 35.5410/-115.852 15350 255°/022 -9.0  
 1 0 1733 35.6130/-115.762 13440 254°/030 -7.8  
 1 0 1734 35.6430/-115.647 12280 263°/027 -3.8  
 1 0 1735 35.6540/-115.535 10650 266°/026 0.8  
 1 0 1736 35.6980/-115.444 8960 261°/024 3.3  
 1 0 1737 35.7460/-115.364 7820 243°/020 4.8  
 1 0 1738 35.8160/-115.320 6800 241°/025 5.8  
 1 0 1739 35.8810/-115.282 6090 233°/019 7.5  
 1 0 1740 35.9410/-115.247 5450 222°/016 9.0  
 1 0 1741 35.9940/-115.219 3960 199°/006 10.2  
 1 0 1742 36.0360/-115.194 3000 52°/000 10.7  
 1 0 1743 36.0690/-115.175 2170 0°/000 12.5

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#11057 BUR->SMF starting at 26-Jan-2020 17:53:00 with 32 obs

ascent sounding starting at 26-Jan-2020 17:53:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1753	34.1980/-118.357	550	7°/001	12.5
1	0	1753	34.1930/-118.357	790	22°/000	11.8
1	0	1753	34.1890/-118.355	1080	92°/002	10.5
1	0	1753	34.1840/-118.355	1340	110°/003	9.8
1	0	1753	34.1810/-118.357	1600	65°/002	8.8
1	0	1753	34.1780/-118.360	1820	37°/002	7.8
1	0	1753	34.1740/-118.364	2020	51°/002	7.3
1	0	1753	34.1690/-118.367	2200	70°/001	7.0
1	0	1753	34.1660/-118.372	2400	95°/005	8.0

1	0	1754	34.1630/-118.375	2550	103°/005	12.0
1	0	1754	34.1590/-118.380	2700	111°/003	12.0
1	0	1754	34.1540/-118.385	2940	140°/002	11.8
1	0	1754	34.1510/-118.390	3240	208°/002	12.0
1	0	1754	34.1480/-118.394	3440	209°/002	11.8
1	0	1754	34.1460/-118.395	3550	215°/002	11.8
1	0	1754	34.1440/-118.402	3870	250°/005	11.3
1	0	1754	34.1430/-118.417	4410	268°/007	11.0
1	0	1755	34.1540/-118.434	4750	265°/008	10.5
1	0	1755	34.1760/-118.437	5360	271°/008	9.3
1	0	1755	34.2010/-118.439	6680	291°/015	6.8
1	0	1756	34.2260/-118.440	8070	281°/019	3.5
1	0	1756	34.2490/-118.452	9430	267°/019	0.5
1	0	1756	34.2730/-118.465	10610	245°/019	-1.8
1	0	1757	34.2980/-118.480	11760	234°/025	-3.5
1	0	1757	34.3230/-118.495	13090	240°/033	-4.8
1	0	1757	34.3490/-118.512	13580	235°/033	-7.0
1	0	1758	34.3790/-118.530	14480	232°/031	-9.0
1	0	1758	34.4110/-118.549	15660	238°/034	-12.5
1	0	1758	34.4410/-118.567	16900	240°/035	-15.8
1	0	1759	34.4730/-118.585	18030	241°/039	-18.5
1	0	1759	34.5040/-118.604	19110	241°/036	-19.0
1	0	1759	34.5380/-118.624	20030	232°/044	-20.5

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR,  
5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

2 = bad/missing wind, 3 = restricted, bad, or missing

AC#10987 BUR->OAK starting at 26-Jan-2020 17:09:00 with 66 obs

ascent sounding starting at 26-Jan-2020 17:09:00

descent sounding ending at 26-Jan-2020 18:00:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1	0	1709	34.1980/-118.357	570	21°/003	11.5
1	0	1709	34.1940/-118.357	800	18°/003	10.7
1	0	1709	34.1890/-118.355	1100	32°/002	10.0
1	0	1710	34.1860/-118.355	1380	67°/002	9.3
1	0	1710	34.1810/-118.355	1680	74°/002	8.3
1	0	1710	34.1780/-118.357	1910	104°/003	7.3
1	0	1710	34.1730/-118.360	2060	97°/001	7.0
1	0	1710	34.1690/-118.364	2190	78°/003	7.5
1	0	1710	34.1660/-118.369	2290	91°/005	11.0
1	0	1710	34.1610/-118.374	2400	88°/006	12.3
1	0	1710	34.1580/-118.379	2500	95°/005	12.7
1	0	1710	34.1530/-118.384	2630	119°/003	12.5
1	0	1710	34.1480/-118.389	2780	125°/003	12.0

1 0 1710	34.1480/-118.390	2810	127°/002	11.8
1 0 1711	34.1430/-118.394	2940	174°/002	12.0
1 0 1711	34.1390/-118.400	3120	212°/002	12.0
1 0 1711	34.1330/-118.410	3540	244°/004	12.0
1 0 1711	34.1330/-118.439	4730	272°/011	10.5
1 0 1711	34.1490/-118.457	5820	272°/012	8.8
1 0 1712	34.1730/-118.469	7240	292°/014	5.5
1 0 1712	34.1940/-118.484	8720	278°/021	2.0
1 0 1712	34.2160/-118.500	9930	255°/020	0.0
1 0 1713	34.2380/-118.519	11040	244°/021	-2.8
1 0 1713	34.2590/-118.535	12140	228°/025	-4.5
1 0 1713	34.2840/-118.554	13320	234°/033	-5.5
1 0 1714	34.3080/-118.574	14380	242°/036	-8.5
1 0 1714	34.3330/-118.592	14770	241°/036	-10.0
1 0 1714	34.3560/-118.610	14850	239°/036	-10.1
1 0 1715	34.3810/-118.629	15520	236°/034	-12.0
1 0 1715	34.4040/-118.649	16630	237°/034	-15.5
1 0 1715	34.4290/-118.669	17760	236°/036	-18.8
1 0 1716	34.4560/-118.689	18680	233°/042	-17.3
1 0 1716	34.4810/-118.709	19770	238°/044	-19.8
1 0 1716	34.5080/-118.729	20880	233°/043	-22.6
1 0 1717	34.5340/-118.749	21720	228°/047	-24.8
1 0 1717	34.5630/-118.770	22160	227°/045	-26.5
1 0 1717	34.5930/-118.794	22360	228°/045	-27.0
1 0 1721	34.9230/-119.029	28960	244°/054	-39.0
1 0 1724	35.2360/-119.254	34860	246°/055	-48.3
1 0 1727	35.5580/-119.489	36000	231°/055	-48.0
1 0 1730	35.8480/-119.784	36000	233°/054	-46.3
1 0 1733	36.1180/-120.094	36000	227°/050	-46.6
1 0 1736	36.3830/-120.410	36020	234°/053	-48.8
1 0 1737	36.5210/-120.577	33230	250°/041	-46.5
1 0 1738	36.6080/-120.674	30460	259°/065	-43.5
1 0 1739	36.6930/-120.769	28320	246°/055	-42.0
1 0 1740	36.7760/-120.864	26050	243°/047	-37.5
1 0 1741	36.8580/-120.952	23930	260°/035	-33.3
1 0 1742	36.9340/-121.039	21750	292°/040	-28.8
1 0 1743	37.0040/-121.117	19880	288°/034	-26.5
1 0 1744	37.0690/-121.189	18180	299°/038	-22.5
1 0 1745	37.1340/-121.260	16200	290°/031	-18.8
1 0 1746	37.1980/-121.335	14240	289°/030	-13.8
1 0 1747	37.2630/-121.410	12150	297°/019	-8.5
1 0 1748	37.3240/-121.482	10180	300°/021	-3.0
1 0 1749	37.3810/-121.549	9610	298°/022	-1.8
1 0 1750	37.4330/-121.607	8340	299°/028	0.8
1 0 1751	37.4740/-121.675	6850	297°/025	2.3
1 0 1752	37.5110/-121.742	6740	297°/024	2.3



1 0 1753 37.5360/-121.817 5970 285°/020 2.3
1 0 1754 37.5460/-121.897 4810 282°/016 4.3
1 0 1755 37.5540/-121.975 4160 280°/012 5.0
1 0 1756 37.5790/-122.034 3440 276°/013 6.5
1 0 1757 37.6140/-122.084 2450 288°/006 7.8
1 0 1758 37.6410/-122.125 1590 258°/006 9.0
1 0 1759 37.6640/-122.160 880 267°/007 10.5

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

F (quality or restriction): 0 = good, 1 = bad/missing temp.,

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AC#11102 BUR->SJC starting at 26-Jan-2020 17:10:00 with 64 obs

ascent sounding starting at 26-Jan-2020 17:10:00

descent sounding ending at 26-Jan-2020 17:58:00

S	F	HHMM	lat/lon	Alt	wd/ws	t
1 0 1710 34.1980/-118.357 550 38°/001 13.2						
1 0 1710 34.1930/-118.357 810 37°/002 11.8						
1 0 1711 34.1900/-118.355 1120 48°/002 10.5						
1 0 1711 34.1850/-118.355 1400 73°/002 9.5						
1 0 1711 34.1820/-118.355 1700 80°/002 8.8						
1 0 1711 34.1770/-118.357 1930 105°/003 7.8						
1 0 1711 34.1730/-118.360 2080 99°/002 7.3						
1 0 1711 34.1680/-118.364 2230 78°/005 9.5						
1 0 1711 34.1650/-118.369 2370 86°/006 11.8						
1 0 1711 34.1620/-118.372 2520 92°/004 12.7						
1 0 1711 34.1570/-118.377 2720 106°/003 12.5						
1 0 1711 34.1530/-118.382 2960 152°/001 12.0						
1 0 1712 34.1480/-118.387 3250 241°/002 12.5						
1 0 1712 34.1450/-118.392 3560 259°/003 12.3						
1 0 1712 34.1420/-118.395 3770 265°/004 12.0						
1 0 1712 34.1400/-118.397 3880 264°/006 11.8						
1 0 1712 34.1280/-118.412 5110 257°/011 10.2						
1 0 1712 34.1250/-118.434 6570 281°/012 7.0						
1 0 1713 34.1350/-118.454 7580 292°/014 4.3						
1 0 1713 34.1570/-118.467 8260 283°/019 3.0						
1 0 1713 34.1780/-118.482 9340 265°/019 1.0						
1 0 1714 34.2000/-118.499 10500 246°/021 -1.0						
1 0 1714 34.2230/-118.517 11770 236°/019 -4.0						
1 0 1714 34.2470/-118.535 12720 229°/031 -5.0						
1 0 1715 34.2720/-118.554 14190 242°/035 -7.5						
1 0 1715 34.2950/-118.570 15520 236°/037 -11.8						
1 0 1715 34.3220/-118.590 16010 235°/036 -13.5						
1 0 1716 34.3480/-118.610 17100 231°/034 -16.5						
1 0 1716 34.3770/-118.632 18160 233°/037 -17.6						

1 0 1716 34.4030/-118.652 19040 232°/042 -17.6  
 1 0 1717 34.4330/-118.674 20160 237°/043 -20.8  
 1 0 1717 34.4620/-118.695 21200 230°/045 -23.3  
 1 0 1717 34.4920/-118.719 22060 227°/045 -25.5  
 1 0 1718 34.5220/-118.740 22870 221°/049 -27.0  
 1 0 1718 34.5520/-118.764 23670 222°/050 -29.0  
 1 0 1718 34.5830/-118.789 24510 224°/050 -31.3  
 1 0 1719 34.6150/-118.810 25410 230°/058 -32.6  
 1 0 1722 34.9250/-119.030 31620 252°/066 -44.0  
 1 0 1725 35.1980/-119.307 36040 237°/055 -48.5  
 1 0 1728 35.3800/-119.687 36040 234°/053 -47.5  
 1 0 1731 35.5570/-120.074 36040 232°/052 -46.0  
 1 0 1734 35.7420/-120.457 36040 234°/048 -47.0  
 1 0 1737 36.0150/-120.830 32800 254°/040 -45.5  
 1 0 1738 36.0970/-120.939 30060 259°/067 -42.8  
 1 0 1739 36.1720/-121.042 27940 246°/053 -41.3  
 1 0 1740 36.2420/-121.140 25700 255°/043 -36.3  
 1 0 1741 36.3100/-121.234 23650 271°/032 -32.5  
 1 0 1742 36.3780/-121.317 21400 306°/044 -28.5  
 1 0 1743 36.4500/-121.385 19550 306°/036 -24.1  
 1 0 1744 36.5250/-121.444 18110 309°/045 -21.3  
 1 0 1745 36.6080/-121.479 15750 311°/038 -16.3  
 1 0 1746 36.6900/-121.514 13760 299°/030 -12.0  
 1 0 1747 36.7700/-121.547 11810 301°/025 -7.3  
 1 0 1748 36.8470/-121.580 10120 307°/021 -2.5  
 1 0 1749 36.9170/-121.609 9480 308°/022 -1.3  
 1 0 1750 36.9800/-121.637 8210 306°/028 1.3  
 1 0 1751 37.0420/-121.662 6940 311°/024 3.0  
 1 0 1752 37.1030/-121.689 5710 296°/017 3.0  
 1 0 1753 37.1650/-121.717 4670 296°/012 4.3  
 1 0 1754 37.2120/-121.767 3490 281°/009 5.5  
 1 0 1755 37.2520/-121.812 2450 273°/011 8.3  
 1 0 1756 37.2870/-121.849 1570 289°/005 9.8  
 1 0 1757 37.3130/-121.879 870 308°/004 11.0  
 1 0 1758 37.3420/-121.909 160 37°/003 12.5

S (source): 0=ACARS, 1=MDCRS, 2=ACARS&MDCRS, 3=AMDAR, 4=TAMDAR, 5=Canadian

6=E-AMDAR, 7=TAM\_OPS, 8=TAM&OPS, 13=ADS-C, 14=PPNG

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AC#23067 SMX->LAS starting at 26-Jan-2020 17:19:06 with 38 obs

ascent sounding starting at 26-Jan-2020 17:19:06

descent sounding ending at 26-Jan-2020 18:06:00

S F HHMM lat/lon Alt wd/ws t  
 1 0 1719 34.9010/-120.473 660 344°/007 10.7

1 0 1719 34.9010/-120.473	1310 331°/013	10.5
1 0 1719 34.9010/-120.473	1690 337°/015	10.0
1 0 1719 34.9010/-120.473	2130 337°/019	9.2
1 0 1719 34.9010/-120.473	2510 345°/020	10.0
1 0 1719 34.9010/-120.473	3000 343°/018	11.0
1 0 1719 34.9010/-120.473	3400 332°/018	10.0
1 0 1719 34.9010/-120.473	3560 340°/019	9.7
1 0 1719 34.9010/-120.473	3790 337°/016	10.0
1 0 1720 34.9010/-120.473	4360 336°/013	9.0
1 0 1720 34.9010/-120.473	5240 321°/019	8.2
1 0 1720 34.9010/-120.473	5940 315°/021	6.0
1 0 1720 34.9010/-120.473	6720 306°/022	4.7
1 0 1720 34.7840/-120.228	9110 271°/028	0.0
1 0 1720 34.7820/-120.156	10220 251°/026	-2.0
1 0 1721 34.7770/-120.083	11520 245°/023	-5.0
1 0 1721 34.7710/-120.000	13180 240°/025	-8.1
1 0 1721 34.7660/-119.913	14790 236°/035	-12.0
1 0 1722 34.7610/-119.825	16650 231°/036	-15.0
1 0 1722 34.7540/-119.733	18060 237°/043	-18.5
1 0 1722 34.7490/-119.638	19440 237°/049	-21.0
1 0 1723 34.7410/-119.541	21070 226°/050	-23.5
1 0 1723 34.7340/-119.443	22420 227°/053	-26.6
1 0 1723 34.7310/-119.343	23000 231°/054	-28.5
1 0 1724 34.7210/-119.241	23000 234°/052	-27.6
1 0 1724 34.7160/-119.140	23000 229°/052	-28.0
1 0 1724 34.7070/-119.040	22990 228°/053	-27.6
1 0 1725 34.6990/-118.940	23020 226°/052	-27.5
1 0 1725 34.6940/-118.838	22990 226°/054	-27.1
1 0 1725 34.6840/-118.736	23010 226°/054	-27.1
1 0 1726 34.6770/-118.635	23010 221°/052	-27.1
1 0 1726 34.6710/-118.535	23000 221°/050	-27.1
1 0 1726 34.6640/-118.433	23000 223°/050	-27.1
1 0 1755 35.5310/-115.886	14550 252°/031	-10.6
1 0 1756 35.5910/-115.808	13520 249°/030	-7.1
1 0 1757 35.6510/-115.710	12790 250°/030	-5.1
1 0 1758 35.6660/-115.596	11830 262°/026	-2.5
1 0 1759 35.6810/-115.480	10800 265°/028	-0.1