

72393 VBG Vandenberg Afb Observations at 12Z 24 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1006.0	121	10.6	10.3	98	7.87	100	5	283.3	305.1	284.6
1000.0	147	13.6	12.8	95	9.37	320	3	286.8	313.0	288.4
999.0	155	13.8	12.9	94	9.44	321	3	287.0	313.5	288.7
996.0	181	14.0	12.5	91	9.22	322	3	287.5	313.4	289.1
981.0	309	13.4	12.0	91	9.05	331	5	288.1	313.7	289.7
978.0	335	13.6	11.8	89	8.96	333	5	288.6	313.9	290.1
974.0	369	14.2	11.7	85	8.94	335	5	289.5	314.9	291.1
967.0	430	17.0	10.0	63	8.03	339	6	292.9	316.2	294.4
961.0	483	18.0	10.0	60	8.08	343	7	294.5	318.0	295.9
954.0	546	19.8	0.8	28	4.27	347	7	296.9	309.9	297.7
927.0	793	22.2	-16.8	6	1.11	4	10	301.8	305.5	302.0
925.0	812	22.2	-15.8	7	1.21	5	10	302.0	306.0	302.2
924.0	821	22.4	-14.6	7	1.34	7	10	302.3	306.7	302.6
883.0	1213	19.6	4.6	37	6.06	104	5	303.3	321.9	304.4
867.0	1370	19.6	-5.4	18	2.96	143	3	304.9	314.4	305.5
850.0	1540	18.2	5.2	42	6.56	185	1	305.2	325.4	306.4
849.0	1550	18.0	5.0	42	6.48	186	1	305.1	325.0	306.3
828.0	1764	17.8	-4.2	22	3.40	199	2	307.1	317.9	307.7
816.0	1889	17.0	-3.0	25	3.77	207	2	307.5	319.5	308.2
700.0	3168	5.2	-2.8	56	4.47	290	5	308.2	322.3	309.0
654.0	3719	-0.1	-3.6	77	4.50	278	11	308.3	322.5	309.1
652.0	3743	0.0	-4.8	70	4.13	277	11	308.6	321.8	309.4
650.0	3768	0.6	-7.4	55	3.39	277	11	309.6	320.5	310.2
647.0	3806	4.0	-23.0	12	0.93	276	12	313.9	317.2	314.0
642.0	3869	4.8	-33.2	4	0.37	275	12	315.5	316.8	315.5
640.0	3894	4.8	-33.2	4	0.37	274	12	315.8	317.1	315.8
578.0	4719	1.4	-42.6	2	0.16	256	21	321.1	321.7	321.1
561.0	4959	-0.1	-43.1	2	0.15	251	23	322.1	322.7	322.1
500.0	5870	-6.3	-36.3	7	0.35	230	33	325.3	326.6	325.4
400.0	7570	-18.5	-43.5	9	0.20	230	43	330.9	331.7	330.9
300.0	9650	-34.5	-55.5	10	0.07	220	51	336.6	336.9	336.6
295.0	9768	-35.5	-55.5	11	0.07	220	51	336.8	337.1	336.9
258.0	10695	-40.1	-65.1	5	0.02	220	55	343.2	343.3	343.2
250.0	10910	-41.7	-64.7	6	0.03	220	56	343.9	344.1	343.9
210.0	12059	-50.1	-70.0	8	0.01	220	67	348.3	348.4	348.3
200.0	12380	-52.5	-71.5	8	0.01	225	62	349.5	349.5	349.5
186.0	12848	-55.7	-73.7	9	0.01	225	59	351.6	351.7	351.6
150.0	14200	-63.3	-79.3	10	0.00	225	49	360.8	360.9	360.8
143.0	14492	-64.9	-80.9	9	0.00	215	53	363.0	363.0	363.0
128.0	15170	-63.1	-79.1	10	0.01	248	39	377.9	378.0	377.9
115.0	15823	-66.5	-81.5	11	0.00	279	25	383.4	383.4	383.4
110.0	16091	-66.1	-82.1	9	0.00	292	19	389.0	389.0	389.0
107.0	16259	-66.5	-82.5	9	0.00	300	16	391.3	391.4	391.3
105.0	16373	-64.5	-81.5	8	0.00	306	13	397.3	397.3	397.3
100.0	16670	-65.9	-82.9	8	0.00	320	7	400.1	400.2	400.1

Station information and sounding indices

Station identifier: VBG
 Station number: 72393
 Observation time: 150724/1200
 Station latitude: 34.75

Station longitude: -120.56
Station elevation: 121.0
Showalter index: 7.32
Lifted index: 14.67
LIFT computed using virtual temperature: 14.50
SWEAT index: 97.38
K index: 21.70
Cross totals index: 11.50
Vertical totals index: 24.50
Totals totals index: 36.00
Convective Available Potential Energy: 0.00
CAPE using virtual temperature: 0.00
Convective Inhibition: 0.00
CINS using virtual temperature: 0.00
Bulk Richardson Number: 0.00
Bulk Richardson Number using CAPV: 0.00
Temp [K] of the Lifted Condensation Level: 280.73
Pres [hPa] of the Lifted Condensation Level: 883.74
Mean mixed layer potential temperature: 290.85
Mean mixed layer mixing ratio: 7.79
1000 hPa to 500 hPa thickness: 5723.00
Precipitable water [mm] for entire sounding: 17.99

Description of the [data columns](#) or [sounding indices](#).

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Questions about the weather data provided by this site can be addressed to [Larry Oolman \(ldoolman@uwyo.edu\)](mailto:Larry.Oolman@uwyo.edu)
