

Upper Air Data for Project Shower¹

The tabulation below is a composite selection of levels from the rawinsonde observations taken at Hilo Airport during the period October 13—December 6, 1954. Special radiosonde ascents were allowed by the U.S. Weather Bureau in connection with Project Shower making a total of 4 dash for most of the period. Levels have been selected from both the upper wind diagrams and from the thermodynamic diagrams in such a way that linear interpolation between levels will give an accurate representation of both winds and

thermodynamic structure. The 10,000 feet level was selected as the terminal height for this purpose in most cases where the sounding balloon has passed through the stable layer. In cases of higher inversions or soundings which had no stable layer, the tabulations were extended to such altitude as to include all of the moist layer. Times indicated are local standard time. Altitudes are expressed to the nearest 50 feet, pressure in millibars, temperature in degrees C., mixing ratios in grams per kilogram, and wind in degrees and knots.

Date/Time	Height	Pres.	Temp.	Mix. R	Wind
Oct. 131900	Sfc	1012	26.2	14.8	020/03
	400	1000	23.7	12.6	020/04
	2450	928	17.8	12.2	040/06
	5000	848	13.8	8.7	060/06
	5900	822	12.5	4.7	060/07
	7900	763	10.0	3.5	360/07
	8250	752	10.5	1.8	360/07
	10000	707	8.7	2.1	350/06
140500	Sfc	1013	19.4	11.4	250/03
	500	1000	22.4	12.3	calm
	3000	915	17.3	9.9	060/05
	6000	820	12.4	7.9	070/09
	7500	776	10.3	7.5	040/08
	9400	723	10.3	3.0	010/06
	10000	707	9.0	3.1	350/06
141700	Sfc	1012	26.0	14.5	050/05
	2100	942	18.7	12.1	090/03
	6550	803	10.0	6.9	030/12
	7200	783	10.0	7.1	020/14
	7550	774	10.6	3.8	010/13
150500	10000	708	9.9	2.2	320/02
	Sfc	1014	18.9	10.7	250/05
	450	1000	22.0	12.2	270/04
	2000	950	19.0	11.1	060/02
	6600	802	9.2	8.0	040/09
	7250	784	12.0	4.3	060/06
	8600	743	13.5	—	020/02
	10000	708	11.2	2.0	270/03
151700	Sfc	1014	26.7	14.0	040/05
	400	1000	24.2	12.5	020/06
	7150	789	9.6	8.0	030/11
	8800	742	13.5	—	070/10
	10000	709	10.4	—	070/12

Date/Time	Height	Pres.	Temp.	Mix. R	Wind
160500	Sfc	1014	19.6	11.8	240/04
	430	1000	22.5	12.9	210/04
	6800	797	9.0	8.6	080/16
	7300	782	14.7	2.2	090/15
	10000	709	11.2	—	080/07
161700	Sfc	1013	26.7	13.4	030/05
	410	1000	23.8	12.3	030/06
	2000	936	19.4	11.1	060/08
	4850	845	12.1	9.3	280/03
	5500	835	12.1	9.0	calm
	6400	807	16.1	2.4	070/06
170500	10000	708	11.6	—	090/06
	Sfc	1015	20.4	12.3	250/05
	450	1000	22.8	12.8	320/02
	2000	948	19.0	11.4	030/06
	5950	822	10.0	8.3	050/11
	7000	791	15.3	2.3	080/12
171700	10000	709	10.3	—	090/11
	Sfc	1014	26.7	11.9	360/03
	450	1000	24.4	10.1	040/04
	2000	949	20.5	10.1	150/08
	3300	904	17.3	10.3	100/07
180500	4900	854	14.3	6.2	140/03
	6900	794	16.4	—	090/04
	10000	710	12.0	—	090/16
	Sfc	1015	20.3	10.9	270/06
	500	1000	22.4	12.8	320/05
	2000	950	19.3	11.9	040/07
181700	5800	828	10.9	9.5	040/16
	6650	804	12.9	5.3	040/14
	8900	738	12.2	—	080/11
	10000	711	10.5	—	090/13
	Sfc	1014	26.6	13.7	360/03
	450	1000	24.2	12.3	350/03

¹ Prepared by E. Amman, U.S. Weather Bureau, Honolulu, T. H.

Date/Time	Height	Pres.	Temp.	Mix.R	Wind	Date/Time	Height	Pres.	Temp.	Mix.R	Wind
181700	4000	882	15.0	10.0	050/12	211700	3750	890	14.2	10.5	100/16
	4850	855	12.8	9.6	060/09		5500	834	12.9	10.2	080/06
	7100	788	13.5	4.0	080/11		6750	800	10.7	9.1	030/04
	9200	730	12.5	2.4	080/09		9850	714	5.0	6.6	100/09
	10000	710	11.3	—	040/10		10150	704	7.5	3.0	100/08
190500	Sfc	1015	20.2	12.0	250/06	212300	Sfc	1018	23.3	16.0	calm
	500	1000	22.4	12.0	230/05		3000	918	17.8	11.3	110/16
	5700	830	10.2	8.6	130/09		7300	787	8.5	7.5	120/07
	6500	807	14.0	3.6	120/10		10750	691	6.4	—	110/16
	9200	730	12.3	—	120/06		11500	672	7.3	—	110/16
191700	10000	710	10.5	—	100/05	220500	Sfc	1016	22.3	14.5	240/05
	Sfc	1014	26.0	13.1	110/04		500	1000	22.5	14.2	190/05
	4000	882	15.7	10.1	080/06		3000	913	17.2	11.1	130/16
	6900	795	9.9	8.6	030/06		5000	852	13.1	9.2	110/11
	7750	772	14.7	—	070/06		6550	804	9.8	7.8	110/17
200500	10000	710	11.6	—	100/11		9600	718	4.2	2.2	090/20
	Sfc	1015	21.7	12.0	190/02		11050	683	7.2	1.5	080/19
	2000	950	18.8	11.6	calm	221100	Sfc	1018	27.3	14.4	110/15
	2560	931	19.2	10.9	060/01		2000	851	20.8	12.0	120/09
	4000	885	16.6	10.6	080/09		6600	806	8.4	7.7	140/15
201100	7050	791	10.1	8.8	110/18		6750	803	10.7	4.0	140/15
	7800	770	10.2	7.6	130/18		8550	750	6.3	5.3	120/18
	8250	756	11.9	2.0	140/18		11150	681	8.1	—	090/17
	10000	711	11.3	2.0	150/14	221700	Sfc	1015	26.0	14.8	120/13
	Sfc	1018	25.0	16.4	260/02		2000	948	19.8	13.1	110/13
201700	550	1000	22.4	13.2	220/03		6800	798	9.1	6.2	130/09
	4000	885	15.7	10.7	120/10		7200	785	9.5	4.7	120/10
	7950	766	10.4	9.4	110/11		9680	718	6.1	—	110/14
	8350	757	12.0	9.5	110/11		10950	685	8.0	—	100/13
	8900	740	11.9	4.5	110/10	222300	Sfc	1018	21.1	13.3	240/04
202300	10000	712	10.2	2.1	110/09		550	1000	23.4	14.0	200/03
	Sfc	1015	24.0	16.2	360/02		3200	913	17.1	12.0	110/12
	1700	959	19.4	13.1	050/08		3550	900	14.8	10.2	110/10
	3000	914	17.4	12.4	080/13		4450	873	14.5	9.6	110/09
	6000	822	13.0	10.8	180/03	230500	8550	750	5.8	6.5	110/10
202300	8700	734	7.7	7.8	120/05		8900	740	7.0	5.3	110/10
	10000	710	9.0	3.6	080/11		10440	699	5.8	—	100/15
	Sfc	1018	22.3	16.2	260/02		11150	681	7.7	—	090/15
	550	1000	22.9	13.6	020/02	231100	Sfc	1017	20.0	14.0	270/04
	5000	853	13.3	8.8	040/15		500	1000	22.0	12.8	060/04
210500	7500	782	8.1	7.5	050/08		3000	917	16.5	11.8	080/12
	8250	759	11.8	1.8	050/12		6000	822	10.8	6.1	080/07
	10000	712	11.4	—	080/19		6850	798	8.9	7.8	070/06
	Sfc	1016	21.7	14.8	calm		8300	755	6.9	7.2	090/07
	1550	965	20.5	13.9	360/12		12700	650	5.4	—	070/16
211100	5250	833	11.3	8.7	080/18	231700	Sfc	1018	26.2	13.5	300/04
	8700	743	7.8	7.9	090/08		600	1000	23.9	11.4	330/04
	9300	726	9.3	2.4	090/12		5000	856	12.4	8.4	090/08
	10000	709	9.5	—	090/18		7600	777	7.8	5.3	090/17
	Sfc	1018	26.4	16.0	010/05		10500	695	4.9	—	090/15
211700	550	1000	13.4	13.0	030/06		11800	663	5.8	—	070/18
	2000	952	20.4	12.0	080/07	232300	Sfc	1015	25.2	14.3	020/03
	8550	750	8.4	7.7	090/17		3000	917	18.2	14.6	100/10
	9700	921	11.6	1.9	090/15		7100	792	8.5	8.4	090/14
	10000	712	11.1	—	090/14		8150	762	8.5	6.8	100/16
211700	Sfc	1015	23.9	16.3	350/02		10000	710	7.1	—	100/21
	1000	980	21.3	14.5	080/08		Sfc	1018	21.5	10.8	230/09
							550	1000	23.1	12.6	180/07

Date/Time	Height	Pres.	Temp.	Mix. R	Wind	Date/Time	Height	Pres.	Temp.	Mix. R	Wind
232300	8450	753	5.5	6.8	090/21	261100	Sfc	1017	24.0	16.5	250/04
	8850	743	8.2	1.8	090/22		1000	983	21.7	14.8	120/03
	10850	689	7.0	—	110/28		4100	880	14.2	10.2	100/09
240500	Sfc	1017	20.0	11.7	230/05		6000	821	11.4	9.3	110/10
	500	1000	20.5	12.0	170/04		10000	710	6.1	7.3	140/02
	1700	960	17.9	11.4	100/04	261700	Sfc	1014	23.3	16.0	250/04
	2350	938	18.8	11.5	140/03		1000	980	21.2	14.5	230/06
	4600	864	14.0	10.1	120/06		2000	946	18.8	13.0	110/09
	10000	710	6.2	7.9	100/17		4000	881	14.3	10.3	100/11
241100	Sfc	1017	27.6	14.0	080/08		7000	789	10.6	9.5	070/04
	350	1009	23.5	11.9	090/07		7650	771	9.8	9.2	020/05
	2250	942	17.4	11.5	130/04		8300	750	6.8	6.3	360/06
	5500	840	13.0	9.6	130/04		10000	706	6.8	3.6	040/08
	9000	734	7.8	7.7	090/18	262300	Sfc	1015	21.2	13.9	250/04
	9650	720	4.5	6.0	090/17		500	1000	22.3	14.1	220/01
	10000	711	4.2	5.8	090/16		1000	980	21.3	13.5	080/02
241700	Sfc	1016	26.0	13.1	120/03		5000	852	13.6	10.2	080/07
	5950	823	12.0	8.7	080/12		7450	779	8.7	8.5	330/04
	10000	709	7.7	2.2	090/15		9200	730	9.9	1.9	070/06
242300	Sfc	1018	21.4	13.7	250/05	270500	Sfc	1014	20.4	13.0	250/03
	550	1000	23.3	14.0	180/05		450	1000	22.2	13.2	240/03
	2000	950	19.8	12.4	090/09		1000	980	21.1	12.7	240/02
	3300	907	16.3	11.2	100/05		2000	946	19.0	11.7	120/05
	7150	789	9.3	7.2	120/11		6450	806	9.5	7.9	070/02
	8450	752	9.5	2.5	100/17		6900	794	9.5	7.4	360/03
	10000	710	7.8	2.5	090/23		7250	783	12.5	4.6	360/04
250500	Sfc	1016	19.7	11.0	240/06		8900	736	12.0	—	020/06
	500	1000	22.9	13.6	270/04		10000	708	9.5	—	030/07
	2000	949	19.7	11.3	060/06	271100	Sfc	1016	27.1	13.3	080/09
	5150	845	12.6	7.7	090/14		500	1000	24.0	11.9	090/06
	8900	737	9.6	2.1	090/12		2950	916	17.2	10.9	180/06
	10000	708	7.2	2.1	090/15		6250	817	12.1	9.3	120/16
251100	Sfc	1017	28.2	12.6	090/04		7350	783	12.5	6.5	130/12
	550	1000	25.2	11.2	090/02		8200	759	11.0	1.9	160/06
	6450	811	10.1	8.8	120/15		8700	744	11.7	—	200/04
	7900	770	12.9	4.5	110/10		10550	697	8.1	—	210/03
	10000	711	8.4	2.4	090/11	271700	Sfc	1013	24.3	16.0	120/12
251700	Sfc	1014	25.6	14.9	080/07		1750	952	18.6	12.4	130/08
	1100	979	22.4	13.4	080/07		4000	879	15.3	11.2	130/02
	3000	916	19.0	11.8	100/02		5000	850	14.1	10.8	130/02
	6750	801	12.3	8.5	110/06		9450	722	6.2	7.2	110/05
	10000	712	7.7	2.7	100/10		9900	708	6.9	2.2	080/04
252300	Sfc	1017	21.9	15.0	010/04		11700	666	7.1	—	080/10
	550	1000	20.1	12.7	020/04	272300	Sfc	1016	21.6	15.5	240/04
	4000	882	13.6	9.7	350/06		3000	912	15.9	12.4	120/14
	6000	821	11.9	10.7	080/05		3800	898	14.4	11.8	130/12
	8250	745	8.5	8.3	080/09		6000	772	9.1	9.2	150/07
	9800	717	4.9	6.1	090/15		9300	727	6.9	8.4	140/08
	10350	701	5.3	6.5	080/16		10950	684	4.8	1.5	100/10
260500	Sfc	1016	21.1	14.9	250/03	280500	Sfc	1015	21.4	14.8	250/04
	460	1000	21.3	13.8	210/02		1000	980	20.1	12.9	210/08
	1000	982	20.5	13.5	120/05		5000	850	13.8	10.5	100/07
	4000	882	16.1	12.0	090/18		7950	765	9.2	9.1	230/09
	7400	781	11.0	10.3	090/09		8850	738	3.5	3.0	180/09
	7850	767	7.9	8.6	100/09		10000	707	3.1	1.5	160/14
	9200	731	6.1	7.7	110/08	281100	Sfc	1016	23.3	15.8	240/04
	10050	706	2.8	5.1	110/07		500	1000	21.3	17.9	200/05

Date/Time	Height	Pres.	Temp.	Mix.R	Wind	Date/Time	Height	Pres.	Temp.	Mix.R	Wind
281100	1000	981	20.2	12.5	140/08	300500	9200	730	8.9	2.0	280/09
	3700	891	14.3	10.0	120/10		9550	720	10.3	1.7	260/08
	7450	780	9.9	8.8	230/08		10550	691	10.1	—	250/08
	8250	757	11.0	7.9	210/10	301100	Sfc	1015	26.8	14.3	120/08
	10350	700	6.5	1.7	190/09		450	1000	24.2	12.3	110/08
281700	Sfc	1013	23.5	15.3	260/03		2000	949	20.2	12.1	240/03
	400	1000	22.2	13.3	220/03		3850	888	16.8	10.3	340/11
	4000	881	14.9	10.9	110/07		5100	849	17.4	6.8	320/11
	4850	853	13.0	10.3	210/04		6450	809	13.4	5.1	280/12
	7000	791	10.8	9.2	320/03		8450	752	11.3	3.7	240/06
	9500	718	8.0	8.1	230/03		9500	721	11.5	2.1	210/03
	10000	708	9.7	1.8	230/04	301700	Sfc	1013	25.9	13.8	110/04
282300	Sfc	1014	21.8	14.3	240/04		400	1000	23.5	11.6	100/03
	460	1000	22.8	13.6	170/08		3200	907	20.9	10.9	330/04
	5400	840	12.0	9.3	180/03		4450	875	20.9	10.3	360/12
	5750	829	14.1	10.4	200/01		6400	810	14.0	4.6	010/13
	7000	791	11.6	8.6	360/03		8000	762	11.0	7.5	360/14
	8150	759	9.4	7.1	020/02		10000	708	8.8	1.8	320/08
	8530	749	10.5	4.5	070/02	302300	Sfc	1015	19.0	11.3	250/04
	10250	703	7.9	—	150/04		500	1000	22.6	12.8	230/05
290500	Sfc	1014	19.2	11.1	250/07		3000	916	16.1	10.4	070/05
	450	1000	22.6	13.2	220/05		3650	895	17.5	8.0	040/07
	3000	915	17.8	11.0	110/04		5500	838	14.4	4.3	030/09
	6000	820	11.9	8.8	330/07		7350	783	12.0	7.6	050/12
	7950	765	11.0	3.4	230/04		8550	750	9.3	6.2	040/10
	8550	752	9.3	5.5	220/05		9350	728	10.5	2.2	010/07
	8950	737	9.8	1.8	210/06		10650	696	9.6	2.2	330/05
	10150	706	7.6	—	200/07	310500	Sfc	1014	17.4	10.0	220/06
291100	Sfc	1014	27.2	13.9	120/08		450	1000	21.2	11.3	210/06
	450	1000	23.5	11.4	120/08		3450	901	15.5	8.5	090/04
	3100	911	17.3	11.9	150/06		4000	883	15.6	5.4	040/05
	4850	856	13.9	10.0	270/03		7000	792	11.4	7.5	040/15
	5250	844	14.5	8.7	300/03		8450	750	9.0	5.4	030/12
	7250	787	13.5	4.1	350/04		8900	737	10.5	1.9	030/10
	10400	699	—	—	210/13		10000	708	9.1	—	020/07
291700	Sfc	1012	26.2	14.5	120/05	311100	Sfc	1016	27.5	12.4	070/05
	400	1000	24.1	12.6	140/05		500	1000	24.2	10.6	080/04
	4000	881	16.1	11.1	310/04		3300	906	16.1	9.5	110/02
	6100	833	13.6	10.4	250/06		6050	820	13.5	8.0	040/10
	6900	792	13.4	2.3	240/05		7300	789	13.5	4.7	060/12
	8850	737	9.7	7.5	240/03		10000	711	10.3	2.0	040/02
	9950	710	9.1	6.1	260/03	311700	Sfc	1013	26.3	13.4	110/06
	10850	687	9.8	1.9	270/03		400	1000	23.8	11.5	100/06
292300	Sfc	1014	19.8	13.1	260/04		2900	919	16.8	10.6	120/04
	450	1000	22.5	13.6	220/05		4000	880	14.6	8.5	140/04
	2000	950	19.6	12.1	160/06		5000	850	13.0	7.4	060/03
	4000	883	15.3	10.2	300/05		5700	828	13.9	3.2	050/07
	5600	834	12.2	9.0	350/11		6550	803	13.0	4.3	040/12
	5900	824	14.5	3.8	360/11		8000	761	12.1	—	020/14
	10200	704	8.0	3.0	250/04		10000	708	10.5	—	020/07
	11100	681	9.6	—	180/05	312300	Sfc	1016	20.4	11.8	240/03
300500	Sfc	1013	18.3	10.1	230/05		450	1000	22.5	12.0	150/03
	400	1000	22.4	13.1	210/06		1000	980	21.3	11.5	030/03
	3000	914	17.7	10.3	120/02		6350	809	9.3	8.3	070/13
	4600	861	14.0	8.3	010/07		6800	796	14.0	2.3	070/13
	5500	835	14.9	4.6	010/10		7500	778	14.0	—	060/12
	7400	780	11.7	5.1	320/11		10000	709	10.0	—	060/05

Date/Time	Height	Pres.	Temp.	Mix. R	Wind	Date/Time	Height	Pres.	Temp.	Mix. R	Wind
Nov. 010500	Sfc	1014	18.3	9.5	250/06	022300	8000	762	12.5	—	170/09
	450	1000	22.8	12.3	180/04		10000	708	8.7	—	140/08
	1000	980	21.6	12.0	140/03	030500	Sfc	1015	19.6	10.8	250/08
	4000	881	14.9	9.7	120/03		600	994	22.0	13.2	220/07
	5200	846	11.9	8.7	070/10		5000	850	12.0	9.0	030/02
	6400	807	14.8	2.7	050/18		5350	838	11.0	8.7	120/02
	7200	785	15.0	2.5	040/19		6850	795	15.0	2.3	230/04
	10000	708	8.8	—	020/11		10000	709	9.9	—	150/08
011100	Sfc	1015	27.6	12.8	040/08	031100	Sfc	1016	26.5	14.5	120/06
	450	1000	24.8	12.0	060/08		3000	914	19.3	11.9	180/02
	3850	889	15.5	10.0	180/03		5200	846	12.6	9.7	180/07
	5650	831	15.6	2.7	090/10		5700	830	17.4	2.6	170/07
	7200	785	14.6	5.1	080/12		6550	805	18.5	—	170/07
	9750	716	9.5	2.5	070/09		10000	711	12.2	—	120/03
	10400	700	9.9	2.3	050/07	031700	Sfc	1013	26.0	15.2	131/07
	Sfc	1013	26.0	14.1	080/05		400	1000	23.4	13.4	130/07
011700	400	1000	23.6	12.8	100/06		2000	948	20.1	12.3	140/07
	3000	915	17.9	10.7	220/04		3000	914	18.0	11.8	200/07
	5600	833	12.0	7.8	180/03		4450	867	14.7	11.0	090/03
	6550	802	14.7	2.2	160/07		5900	821	16.9	2.7	040/03
	10000	707	9.5	—	090/10		8000	764	13.7	—	190/03
							10000	710	10.5	—	310/02
012300	Sfc	1014	21.7	13.3	240/06	032300	Sfc	1017	22.3	14.8	240/02
	450	1000	22.9	13.2	200/05		500	1000	23.0	14.1	200/03
	2000	949	19.9	11.9	130/07		1000	981	21.8	13.5	170/05
	4000	881	15.6	10.4	140/09		3000	915	17.3	11.4	170/04
	6550	804	10.3	8.8	140/05		4000	882	14.8	10.3	080/02
	6800	796	14.8	2.3	140/04		5500	838	11.4	9.0	030/05
020500	10000	709	10.1	—	100/06		5850	826	17.0	2.2	020/04
	Sfc	1014	20.7	13.1	230/06		10000	711	9.2	—	120/02
	450	1000	22.7	13.7	220/06	040500	Sfc	1015	20.8	10.1	240/04
	2000	948	19.7	12.1	130/08		450	1000	20.6	9.7	240/04
	7100	789	9.0	8.3	110/03		800	990	22.8	11.3	240/04
	7500	777	13.2	2.1	110/03		2000	949	19.7	11.0	150/02
	10000	708	9.8	—	120/05		4150	877	14.0	10.3	140/03
							5500	833	12.1	10.0	120/05
021100	Sfc	1015	25.6	16.2	230/02		6200	814	16.0	2.5	110/03
	450	1000	23.5	14.2	200/03		7050	789	16.1	2.5	140/03
	2700	922	17.3	12.2	120/09		10000	709	9.7	—	080/02
Unreliable temps above this level						041100	Sfc	1018	28.1	12.8	110/08
021700	8000				140/06		550	1000	24.5	11.2	100/08
	10000				150/05		3400	903	17.0	11.3	160/05
	Sfc	1013	25.7	15.6	130/07		5500	840	13.2	9.3	210/08
	400	1000	23.6	13.4	130/09		6100	821	17.6	—	160/05
	3000	915	18.7	12.5	140/06		10000	713	11.6	—	090/04
	5000	850	14.7	12.8	210/04	041700	Sfc	1014	25.8	15.2	140/05
	6000	820	12.7	10.6	160/03		450	1000	23.8	13.3	130/05
	6500	806	15.2	3.9	110/03		5700	830	12.3	9.2	260/04
	10000	708	9.9	—	120/03		6400	809	15.0	2.3	310/04
022300	Sfc	1016	21.8	14.0	320/08		7550	777	15.0	—	010/06
	500	1000	22.0	13.0	230/06		9600	721	10.4	—	360/07
	1000	981	20.8	12.5	170/05		10000	710	10.4	—	340/07
	3000	915	16.9	11.0	120/05	042300	Sfc	1017	22.0	15.2	240/01
	4000	882	14.9	10.2	280/01		500	1000	23.2	14.0	220/02
	5100	847	12.6	9.4	320/05		2000	950	19.9	12.2	100/04
	5500	835	13.0	7.5	350/05		5500	838	11.9	9.0	080/02
	5850	824	11.9	7.0	010/05		6200	817	15.5	2.0	060/03
	6800	797	14.7	2.3	070/02		6850	799	15.5	—	040/05

Date/Time	Height	Pres.	Temp.	Mix.R	Wind	Date/Time	Height	Pres.	Temp.	Mix.R	Wind
042300	9800	718	10.1	—	080/06	070500	3000	915	17.4	12.5	090/15
	10850	689	10.1	—	090/08		7300	782	11.7	9.9	100/06
050500	Sfc	1015	20.1	11.8	250/07		10000	709	6.8	7.3	070/04
	450	1000	23.0	13.1	200/04	071100	Sfc	1017	25.3	17.0	070/02
	6400	808	9.4	8.0	070/08		2750	924	17.2	11.6	070/10
	6900	796	15.2	5.0	040/07		6350	813	12.6	9.7	010/07
	10000	709	10.5	—	040/08		6950	797	9.2	8.0	010/08
051100	Sfc	1017	27.5	13.1	160/06		7550	779	10.7	8.8	030/08
	3300	907	16.6	11.6	150/06		10200	704	5.6	1.5	060/14
	6000	824	12.0	8.4	140/09	071700	Sfc	1014	25.6	15.5	360/04
	6550	807	17.1	2.4	100/09		700	994	22.6	13.2	010/05
	10000	712	11.2	—	070/09		4750	859	13.3	10.2	020/14
051700	Sfc	1014	25.8	14.1	030/03		6250	813	12.2	9.5	020/17
	450	1000	24.0	13.1	060/03		7200	785	10.4	6.5	030/15
	1000	980	22.6	13.3	100/04		8200	756	10.6	1.9	040/14
	2550	928	19.5	9.8	090/04		10350	698	9.3	—	060/17
	5200	845	11.5	8.6	190/05	072300	Sfc	1016	21.1	13.1	260/03
	5350	839	14.5	9.0	180/06		500	1000	23.3	14.5	310/04
	7200	785	15.3	—	110/08		1000	981	22.2	13.9	360/05
	10000	710	12.3	—	070/12		5700	832	11.2	9.5	050/15
052300	Sfc	1017	20.3	13.1	240/03		7750	771	9.3	9.3	060/22
	500	1000	23.3	14.1	170/02		9200	731	7.5	1.7	060/17
	1000	981	21.6	13.4	090/02		10000	708	6.2	—	060/14
	3000	915	16.0	11.2	090/04	080500	Sfc	1016	20.0	12.3	250/04
	5500	838	12.2	8.8	110/05		500	1000	22.0	13.2	300/04
	7100	790	13.6	2.1	130/07		4000	881	15.3	10.7	060/09
	9200	732	13.1	—	100/14		7600	773	8.3	8.5	070/23
	10000	711	11.7	—	090/14		9200	730	5.3	1.5	080/20
060500	Sfc	1015	19.7	10.6	240/03		11300	682	7.8	—	080/15
	450	1000	22.6	11.2	190/02	081100	Sfc	1018	28.3	10.8	100/08
	2000	949	19.9	10.7	100/01		4000	887	17.4	10.0	110/09
	7000	792	11.0	9.1	130/10		5950	824	12.0	9.9	080/16
	7850	766	10.1	4.8	130/10		6350	813	13.3	10.2	080/17
	8750	743	10.1	1.7	120/10		8000	766	13.0	3.0	080/18
	9050	734	12.0	1.9	100/11		10500	700	10.0	1.9	070/21
	10000	710	11.0	—	090/14	081700	Sfc	1015	26.7	13.4	120/04
061100	Sfc	1017	23.6	16.2	320/04		5900	824	12.1	8.9	090/12
	150	1010	22.5	15.0	350/03		7250	800	13.6	3.6	090/14
	2000	949	19.7	13.4	100/05		8800	742	12.2	2.6	090/19
	6800	800	12.0	8.6	140/08		10000	711	10.3	3.6	090/17
	8250	747	9.9	3.3	140/10	082300	Sfc	1018	22.9	13.1	200/02
	9850	716	9.6	7.9	100/13		300	1008	22.8	11.5	210/03
	10650	695	9.0	4.8	090/12		2050	948	20.5	10.6	210/05
061700	Sfc	Temps Unreliable			140/02		5000	853	14.8	9.8	100/09
	2000				080/09		7200	788	14.4	9.1	090/20
	5000				120/06		7700	773	15.0	8.0	090/20
	7000				220/06		10000	712	8.7	4.2	110/18
	10000				090/09	090500	Sfc	1015	21.6	12.6	200/03
062300	Sfc	1017	22.2	16.5	260/02		500	1000	22.1	12.4	200/02
	500	1000	22.6	15.5	210/03		5050	850	13.5	10.8	Calm
	2000	950	20.0	14.2	110/09		9400	723	6.7	8.2	120/06
	5100	850	13.4	11.2	110/13	Winds unreliable, temps unreliable above this level					
	5700	832	14.0	10.3	130/09	091100	Sfc	1018	28.2	13.7	110/05
	9650	721	7.3	7.4	070/09		550	1000	25.0	12.4	120/08
	11300	678	4.9	1.7	070/11		4000	887	15.6	11.0	140/13
070500	Sfc	1014	21.9	16.3	240/02		5850	828	13.7	9.0	120/16
	450	1000	20.8	14.3	200/04						

Date/ Time	Height	Pres.	Temp.	Mix. R	Wind	Date/ Time	Height	Pres.	Temp.	Mix. R	Wind
091100	7300	787	12.7	2.4	110/17	111700	Sfc	1013	25.6	12.2	120/08
	10000	713	8.9	2.5	110/16		2000	947	20.3	10.3	150/12
091700	Sfc	1014	25.5	15.3	150/05		5250	840	11.5	8.8	200/09
	450	1000	22.6	13.1	150/07		5700	828	11.5	8.9	250/08
	4000	882	15.5	8.8	140/13	6300	811	15.3	2.2	360/05	
	5850	823	11.6	7.1	120/10	6750	798	15.3	—	020/04	
	7550	776	9.5	7.5	120/14	10000	708	8.6	2.1	110/08	
	9200	730	9.8	2.4	110/17	112300	Sfc	1016	19.2	11.0	220/05
	10000	708	8.8	2.2	110/17		500	1000	21.7	12.2	200/08
092300	Sfc	1017	21.7	13.6	090/02		2000	948	18.4	10.9	150/15
	500	1000	21.8	13.2	110/04		4250	875	13.6	9.2	190/12
	3000	915	18.0	11.8	200/06	4800	857	16.1	3.9	160/07	
	7000	792	11.8	9.8	120/17	6550	804	16.7	—	060/07	
	8900	740	9.0	8.9	120/15	10000	710	9.3	1.8	030/11	
	10650	694	6.6	6.9	100/12	120500	Sfc	1016	17.8	10.2	220/05
	Temperatures unreliable						500	998	21.1	11.2	210/05
100500	Sfc	1014	20.3	13.8	270/03		3000	914	15.3	9.4	190/03
	450	1000	22.0	14.4	200/04		5600	831	9.0	7.7	030/06
	1000	981	21.0	13.6	120/06	5850	825	13.2	6.7	360/03	
	3000	915	20.1	11.2	100/12	6900	794	14.4	2.2	080/05	
	5650	831	11.7	8.3	100/10	10000	708	10.2	—	110/09	
	6450	807	13.0	3.0	110/08	121100	Sfc	1017	28.2	10.4	140/04
	9550	720	7.3	1.5	120/11		550	1000	26.6	9.1	160/06
11050	683	7.0	2.3	140/09	2000		950	22.2	8.7	180/09	
101100	Sfc	1016	26.3	12.9	120/10		4250	877	15.7	8.1	190/06
	4000	883	14.8	9.8	190/10	5150	850	15.0	5.0	100/04	
	4850	858	12.7	9.3	170/09	6700	804	17.0	—	050/06	
	5500	837	17.2	2.3	150/10	10000	713	11.8	—	090/06	
	6800	800	15.9	—	120/12	121700	Sfc	1014	25.6	14.3	110/04
	8550	750	12.8	—	110/07		2000	950	20.4	12.0	120/07
	10000	711	10.0	2.6	100/12		4000	883	15.7	10.5	240/03
101700	Sfc	1012	24.6	12.6	120/09		5550	835	12.0	9.4	320/03
	1000	980	21.3	11.3	130/15	5850	827	14.8	7.7	360/05	
	4000	879	13.3	9.8	200/09	7150	788	15.2	—	030/10	
	4550	862	12.0	9.5	180/09	10000	710	11.3	—	070/09	
	4950	849	16.1	2.2	170/09	122300	Sfc	1016	18.3	10.0	230/05
	6650	799	15.0	—	110/11		500	1000	22.0	12.3	210/06
	10000	708	9.1	1.8	110/07		3000	915	16.7	11.3	140/07
102300	Sfc	1014	21.1	11.9	200/04		3850	888	15.0	11.0	110/01
	450	1000	22.6	11.8	190/05	5250	845	16.3	2.5	020/02	
	3000	914	16.4	10.0	160/10	7000	794	14.9	—	070/14	
	5300	840	10.7	8.7	140/06	10000	713	11.3	—	070/16	
	5700	829	16.5	6.0	090/04	130500	Sfc	1017	19.2	9.6	250/05
	6450	805	16.7	—	090/04		500	1000	22.6	12.2	210/04
	10000	709	9.8	2.3	100/06		2800	922	17.8	13.0	150/05
110500	Sfc	1014	19.0	9.9	210/02		5000	852	13.5	9.8	090/04
	800	988	21.2	10.0	190/05	5500	838	17.0	2.5	100/05	
	4000	881	13.2	8.7	160/14	8000	766	14.6	2.4	070/15	
	5400	838	9.7	8.1	140/08	10000	711	12.0	—	080/11	
	5900	820	17.0	2.5	110/05	131100	Sfc	1018	26.1	14.0	060/07
	10000	707	8.7	—	100/06		400	1007	24.1	11.9	070/07
	111100	Sfc	1015	28.0	10.8		120/06	3250	910	16.3	10.9
450		1000	24.0	9.5	130/07		3950	885	16.0	9.9	310/03
3000		915	17.2	9.1	170/09	4500	869	18.7	2.8	350/05	
5350		840	10.7	8.7	160/06	7000	795	15.3	—	070/15	
6050		818	17.6	—	110/04	10000	714	11.4	2.2	070/12	
10000		709	8.5	1.9	090/06	131700	Sfc	1016	25.2	13.9	080/04
							2000	949	19.3	11.6	330/01

Date/Time	Height	Pres.	Temp.	Mix.R	Wind	Date/Time	Height	Pres.	Temp.	Mix.R	Wind
131700	3550	898	15.0	10.5	360/06	152300	4400	874	15.3	11.8	090/06
	4350	872	19.0	3.5	030/09		6900	797	12.5	10.0	090/13
	10000	712	11.6	2.3	070/17		7300	785	12.7	8.0	090/14
132300	Sfc	1018	20.0	11.7	250/05		8500	753	10.1	6.1	090/17
	550	1000	22.1	12.9	300/04		9200	732	10.3	4.3	090/19
	3650	896	15.0	10.7	060/10		10000	713	8.9	4.1	090/16
	4400	872	17.8	3.1	060/11	160500	Sfc	1017	20.7	13.8	270/05
	8200	760	13.0	5.7	060/15		500	1000	21.8	13.5	220/04
	9050	738	10.9	6.2	060/18		2000	950	19.4	12.5	100/08
140500	(3370)	685	8.7	5.7	070/19		6800	799	11.4	9.6	090/11
	Sfc	1017	19.3	11.4	240/03		7350	786	11.7	8.9	090/12
	500	1000	22.0	13.0	270/07		9350	728	10.8	4.4	100/15
	5350	842	12.1	9.8	060/12		10000	713	9.4	4.0	100/07
	5700	831	14.7	9.2	050/10	161100	Sfc	1018	27.5	16.2	150/09
	7000	794	13.6	5.0	060/12		2450	936	19.5	13.3	140/06
141100	8150	762	10.5	7.5	050/14		5150	850	15.1	11.3	150/09
	10000	711	8.1	7.1	070/14		6250	815	15.3	8.7	120/08
	Sfc	1018	26.7	14.5	040/14		9350	730	12.0	4.1	100/12
	550	1000	22.3	13.0	040/12		10000	714	10.5	3.8	090/13
	3000	917	17.3	11.7	020/04	161700	Sfc	1016	25.3	16.5	120/04
	5800	829	12.5	10.3	040/12		1000	981	22.2	14.3	140/07
141700	6250	817	14.4	11.0	040/12		4000	884	15.4	11.3	140/02
	10000	713	9.7	6.3	070/17		5150	848	12.6	10.2	100/06
	Sfc	1015	25.7	14.1	360/14		5900	826	16.1	6.7	090/13
	3350	906	18.3	13.6	050/13		7000	794	15.2	4.0	070/12
	5900	824	12.3	10.4	050/17		10000	711	8.9	3.5	070/10
	6350	812	12.3	10.6	050/17	162300	Sfc	1019	21.5	13.9	240/03
142300	8000	764	10.3	9.2	060/14		400	1000	23.0	14.1	230/03
	9300	730	8.7	8.0	070/19		2000	951	17.2	12.0	120/06
	11500	674	8.5	4.8	070/25		4700	866	15.2	11.3	090/03
	Sfc	1018	22.1	15.5	270/01		5000	855	16.1	10.6	090/02
	550	1000	22.7	14.6	300/04		5850	830	15.2	6.9	090/08
	3000	918	17.8	12.3	070/09	170500	6250	818	15.8	5.0	090/12
150500	5850	827	12.2	10.0	060/08		7350	786	13.9	5.5	080/19
	8250	759	10.3	7.1	080/21		10000	714	9.8	3.6	090/10
	10250	705	9.6	4.8	060/25		Sfc	1018	19.7	12.1	240/04
	Sfc	1016	21.1	12.7	250/04		550	1000	23.2	13.7	200/05
	500	1000	23.5	15.0	190/04		2000	950	19.9	12.2	140/08
	2000	950	21.0	13.7	110/10	171100	3750	893	16.0	10.5	120/06
151100	5000	853	15.7	11.1	080/06		4550	868	17.2	7.0	120/07
	7050	790	12.1	9.6	090/17		7550	780	14.3	4.3	100/17
	7850	769	12.3	7.8	090/25		10000	714	9.7	3.4	120/05
	10650	695	7.5	6.2	090/18		Sfc	1020	28.1	12.5	190/01
	11000	685	8.7	4.9	090/16		3200	912	17.5	10.5	160/07
	Sfc	1018	27.8	14.6	120/04	171700	4550	870	17.1	3.8	120/08
151700	550	1000	25.0	12.3	130/04		5000	855	18.6	3.3	120/07
	4000	885	16.0	10.3	140/08		6150	820	15.6	6.4	120/08
	9350	732	11.2	4.5	080/16		7300	788	15.0	3.8	120/10
	10250	708	9.4	4.7	070/11		10000	715	9.5	2.5	090/08
	Sfc	1015	26.1	16.2	160/03		Sfc	1018	26.2	14.3	110/05
	450	1000	23.9	14.2	150/03	172300	550	1000	23.5	13.6	130/11
152300	4000	884	17.2	11.6	080/04		3600	897	16.6	12.0	180/06
	5700	830	13.8	10.4	080/13		4600	866	18.1	3.8	160/07
	6650	801	13.8	9.5	080/13		6900	799	16.6	4.1	120/12
	9600	722	10.8	4.8	090/18		10850	692	11.0	—	070/08
	10850	690	7.4	5.3	090/15		Sfc	1020	21.1	13.3	240/03
	Sfc	1018	22.0	13.5	250/04		400	1006	22.0	13.1	220/05
	550	1000	24.0	14.4	210/05		2000	952	18.8	12.0	120/07

UPPER AIR DATA

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Date/Time	Height	Pres.	Temp.	Mix.R	Wind
172300	4450	872	13.8	10.5	090/05
	5100	852	17.8	4.0	090/05
	9800	720	8.5	3.5	090/13
	11050	687	9.1	1.9	090/14
180500	Sfc	1019	20.4	13.0	270/04
	800	992	21.7	13.1	270/05
	2000	952	19.3	12.5	070/04
	4350	873	15.5	10.8	120/09
	6150	820	15.5	4.9	110/04
	9850	718	7.5	3.9	100/12
181100	11500	674	8.0	2.0	090/14
	Sfc	1019	27.2	15.0	130/10
	2000	952	21.3	12.1	180/09
	4250	880	16.0	10.6	160/07
	5550	838	17.1	5.1	150/07
	9150	737	9.6	3.8	110/10
181700	10350	703	11.0	2.1	100/10
	Sfc	1015	26.5	15.8	110/06
	450	1000	24.0	15.0	120/07
	3000	915	19.0	12.8	190/05
	5000	852	15.1	11.3	160/06
	5450	838	16.3	4.9	150/06
182300	8150	759	12.5	4.5	120/05
	9450	726	13.2	2.3	100/07
	11650	670	8.8	3.3	090/10
	Sfc	1018	20.1	13.1	230/06
	400	1004	21.8	12.7	210/04
	4350	874	16.6	12.0	
190500	4950	855	17.2	7.3	Winds Missing
	7700	774	13.0	3.5	
	9500	726	11.9	2.0	
	12050	662	5.5	2.8	
	Sfc	1015	19.9	12.2	170/05
	1250	975	21.3	13.1	180/10
190500	2000	949	19.9	12.8	180/13
	5150	847	13.7	11.5	140/11
	5550	833	16.0	10.0	150/10
	7200	787	14.2	2.9	110/06
	8800	742	13.9	2.3	120/10
	11300	678	7.9	2.4	130/07
191100	Sfc	1017	27.2	14.0	110/10
	500	1000	24.8	12.6	120/11
	3850	888	16.2	11.2	170/10
	4250	852	18.2	3.6	190/10
	7500	781	14.0	3.3	200/06
	7950	765	14.8	2.2	170/10
191700	10000	714	11.1	2.8	150/07
	Sfc	1014	26.1	14.1	100/07
	450	1000	24.0	13.0	110/10
	1000	981	22.7	12.7	130/13
	4450	868	15.2	11.2	230/06
	4850	853	18.6	12.3	230/07
192300	6000	822	17.7	2.6	170/07
	8000	765	15.2	2.6	190/09
	9000	737	13.0	2.7	270/02
	10950	686	8.8	5.6	260/04
	Sfc	1016	20.2	12.7	190/02
	300	1006	23.0	14.0	180/03

Date/Time	Height	Pres.	Temp.	Mix.R	Wind
192300	3600	897	15.4	10.8	200/02
	5300	844	18.3	5.6	180/04
	7000	795	16.1	5.3	180/07
	10000	713	10.4	5.7	060/01
200500	Sfc	1015	18.0	10.1	230/04
	450	1000	22.8	11.8	210/05
	2000	950	19.7	11.0	160/09
	4150	877	14.9	9.9	180/01
	5550	835	19.1	—	180/01
	7550	777	15.6	2.4	150/04
201100	10000	711	10.5	2.1	030/03
	Sfc	1016	26.8	13.6	070/04
	1000	982	23.4	12.1	110/07
	2950	918	18.1	11.9	090/02
	5000	852	15.4	6.3	020/04
	6450	809	18.0	—	090/05
201700	8000	767	14.8	2.3	170/08
	10000	712	10.5	1.9	130/04
	Sfc	1014	26.5	14.5	130/07
	1000	980	23.3	12.5	150/15
	4100	879	16.5	11.4	280/07
	4700	862	17.5	11.4	330/08
202300	6150	818	15.5	7.4	360/09
	7150	786	16.4	2.4	040/06
	10000	712	12.0	2.5	100/03
	Sfc	1017	19.1	11.0	230/06
	500	1000	22.5	12.8	210/04
	2000	950	20.0	12.0	160/02
210500	3850	890	16.7	11.3	140/04
	4750	860	18.9	4.4	130/04
	8000	767	14.4	2.4	090/09
	10000	713	10.7	2.1	040/03
	Sfc	1015	18.0	9.0	240/05
	450	1000	22.0	11.2	210/06
210500	2000	950	18.8	10.5	160/08
	3950	882	14.0	11.5	140/06
	6150	815	15.5	2.0	120/06
	8000	764	12.0	2.4	120/10
	10000	709	9.5	—	100/04
	Sfc	1016	27.3	13.4	150/06
211100	1000	982	23.3	11.6	150/14
	4500	868	14.5	10.0	190/10
	4900	857	18.8	2.3	180/09
	10000	713	11.5	—	070/05
	Sfc	1012	26.1	13.7	130/07
	400	1000	24.2	12.0	140/10
211700	1500	964	21.8	11.9	150/14
	3850	885	16.0	11.3	270/07
	4450	867	19.5	9.4	300/05
	6500	805	16.2	2.9	100/05
	10000	710	10.7	2.0	250/02
	Sfc	1016	23.1	13.6	230/02
212300	1000	981	20.5	12.5	160/05
	5050	850	10.7	9.1	170/03
	6600	802	13.9	2.5	140/02
	9000	735	10.9	1.8	250/02
	10000	710	9.8	1.5	080/02

Date/Time	Height	Pres.	Temp.	Mix.R	Wind	Date/Time	Height	Pres.	Temp.	Mix.R	Wind
220500	Sfc	1012	20.8	11.0	250/05	240500	7000	791	13.6	2.5	050/16
	400	1000	22.5	10.9	230/06		10000	709	10.4	—	080/05
	1500	914	20.2	10.3	190/08	241100	Sfc	1018	25.8	13.5	070/01
	4950	850	12.0	8.9	150/04		7150	790	8.0	7.5	090/17
	5400	839	16.5	3.3	180/03		7500	781	12.7	4.0	100/19
	6750	798	16.0	2.0	250/04		8900	842	11.8	2.1	100/21
	10000	709	10.4	1.7	360/06		10000	713	9.8	2.8	110/24
221100	Sfc	1014	27.8	12.7	100/08	241700	Sfc	1016	25.8	13.8	110/08
	5000	851	13.2	10.8	240/03		5900	822	10.9	8.1	090/14
	5750	833	12.8	10.5	290/04		7450	781	13.3	3.5	080/22
	7600	774	14.8	2.0	320/09		10000	711	9.7	3.2	080/22
	10000	710	11.5	—	040/09	242300	Sfc	1019	21.2	10.4	240/03
221700	Sfc	1012	25.4	14.5	130/09		1000	984	22.5	12.8	240/03
	3000	913	17.9	11.8	220/06		2000	952	20.3	11.7	110/06
	4950	851	13.5	11.0	010/11		7300	785	7.7	7.3	090/22
	5550	836	16.4	3.4	010/12		7750	774	13.5	2.7	090/23
	9000	735	12.5	2.2	040/06		10000	713	10.1	4.5	100/20
	10000	708	10.7	—	360/10	250500	Sfc	1018	20.3	13.3	240/05
222300	Sfc	1013	20.6	13.4	220/06		550	1000	22.9	13.3	240/04
	450	1000	22.0	12.7	200/07		2000	952	19.5	11.7	110/06
	2000	948	18.1	12.0	170/08		6500	809	8.7	7.6	090/16
	3000	914	17.2	11.4	230/04		8050	763	12.1	4.3	090/24
	4100	878	15.0	10.9	360/06	10250	705	7.7	5.3	070/23	
	4800	857	17.3	2.3	020/09	251100	Sfc	1019	27.8	12.5	160/02
	6000	820	15.7	2.2	050/10		600	1000	24.0	10.6	150/04
	10000	709	10.3	—	030/04		3400	904	16.2	10.1	120/08
230500	Sfc	1012	18.0	8.3	230/04		6150	820	10.3	7.2	110/07
	500	996	22.3	12.8	210/07		6900	796	12.6	2.2	080/12
	3000	912	17.0	10.5	090/03	8000	765	10.9	3.5	080/23	
	4700	859	13.2	9.2	040/05	10000	713	7.9	5.5	080/29	
	5600	831	15.1	3.3	060/05	251700	Sfc	1018	24.8	13.1	350/02
	10000	707	10.7	—	340/05		2000	950	20.0	11.7	070/08
231100	Sfc	1016	27.2	12.6	110/12		7000	792	7.9	7.5	070/12
	2000	947	19.8	10.8	130/05		8450	752	10.1	—	080/20
	3000	914	16.9	10.3	270/03		3330	687	6.3	4.6	070/26
	3850	887	14.5	10.0	330/04	252300	Sfc	1019	20.0	12.1	250/05
	4250	875	15.5	8.8	360/04		700	996	21.8	13.1	260/04
	8500	749	12.5	2.2	060/06		2000	951	19.1	12.1	100/05
	10000	710	10.0	—	020/08		5000	853	12.2	10.0	090/07
	231700	Sfc	1013	25.6	14.4		070/04	9700	719	4.5	6.4
1000		980	22.5	12.3	020/08		10400	700	5.6	3.5	070/25
2000		947	20.2	11.7	130/06	260500	Sfc	1017	18.9	13.0	200/04
3400		900	16.9	10.8	210/11		500	1000	19.2	12.3	150/04
5050		849	13.0	9.8	290/10		1000	983	18.4	12.0	070/04
6000		819	14.0	3.7	040/14		2000	949	16.9	11.3	070/10
8000		763	12.0	2.7	080/09		7550	776	8.3	8.2	090/10
10000		708	9.2	—	040/11		12250	649	—	1.2	3.9
232300		Sfc	1017	19.0	11.1	240/05	261100	Sfc	1015	24.2	13.3
	500	1000	21.9	13.3	210/05	2000		950	19.7	11.4	100/07
	3000	916	16.6	10.7	170/04	6000		822	10.1	8.0	020/02
	4200	878	14.1	9.6	320/03	7150		787	7.3	7.2	030/06
	5350	845	16.0	3.3	050/09	8250		754	8.5	2.9	070/12
	10000	711	10.3	—	070/14	10000		709	6.9	—	080/16
240500	Sfc	1016	17.8	8.1	240/05	261700	Sfc	1014	24.9	11.7	170/05
	450	1000	22.6	13.9	240/04		1000	981	22.5	10.9	130/09
	2000	949	19.2	12.0	110/03		6450	806	8.8	7.1	130/12
	4550	867	13.9	9.7	080/05		7800	767	8.5	1.8	130/12
	5600	833	15.1	3.5	050/07						

Date/Time	Height	Pres.	Temp.	Mix.R	Wind	Date/Time	Height	Pres.	Temp.	Mix.R	Wind
261700	8950	737	6.5	1.6	130/13	291100	Sfc	1015	22.8	15.5	140/09
	9550	719	7.0	1.7	130/10		4150	876	15.5	11.2	190/11
	11250	676	3.7	1.5	090/08		4700	860	16.3	9.7	180/08
262300	Sfc	1014	19.6	12.0	110/03		10000	708	6.2	6.1	130/07
	450	1000	21.3	12.7	140/06	291700	Sfc	1014	24.6	15.2	170/01
	1000	983	20.3	12.2	190/09		2000	947	20.6	13.3	160/18
	3000	915	16.2	10.5	190/18		6550	803	11.0	9.3	130/20
	6450	805	8.5	7.9	180/18		8500	746	10.2	5.5	130/20
	8000	760	6.7	6.3	170/12		10550	694	7.2	5.1	160/16
	9900	710	4.5	4.8	160/16	292300	Sfc	1016	21.3	14.5	260/02
	11900	658	1.0	5.5	160/16		900	986	21.3	14.0	210/02
270500	Sfc	1012	18.2	12.2	210/06		3000	916	17.3	11.7	040/13
	900	985	20.6	11.0	190/13		5000	851	13.4	9.8	330/07
	5000	849	13.3	9.2	180/20		6000	821	11.5	9.0	250/06
	7000	790	10.0	8.5	180/09	7200	685	9.0	8.0	310/06	
	10000	706	5.2	6.7	160/16	8250	654	8.9	6.3	360/09	
	17000	543	—6.0	3.8	130/07	10000	709	7.0	3.3	350/08	
271100	Sfc	1013	20.4	14.5	240/06	300500	Sfc	1016	20.7	13.3	200/06
	4000	881	14.8	10.7	150/23		500	1000	22.3	12.9	200/05
	7000	788	10.0	6.6	160/17		3000	915	16.8	10.3	100/13
	8000	760	8.5	6.1	170/24		7300	783	7.3	7.0	050/08
	10000	707	5.3	5.4	170/17		8050	762	8.4	6.9	060/09
	14000	608	0.0	4.0	170/21		10050	707	7.0	4.3	060/17
271700	Sfc	1010	22.4	15.0	200/04	301100	Sfc	1017	24.5	14.3	290/04
	400	998	22.7	14.7	160/10		1000	981	21.5	12.0	300/04
	4500	863	13.7	10.4	180/15		2000	950	19.2	11.6	080/06
	11150	676	6.0	8.3	170/15		4000	881	14.8	8.9	080/21
272300	Sfc	1011	21.1	15.3	220/07		7500	780	8.6	7.8	060/08
	3000	912	13.4	9.9	160/25	8550	749	9.6	4.3	070/14	
	8000	759	7.7	7.5	160/34	10000	711	7.3	3.8	080/20	
	10000	705	4.5	6.5	190/17	301700	Sfc	1015	21.8	14.4	160/03
	12550	642	1.8	6.0	210/20		500	1000	22.0	12.1	150/06
280500	Sfc	1009	21.1	15.3	220/06		3000	915	16.8	9.4	070/21
	300	1000	21.8	13.9	160/19		5650	833	11.1	8.9	080/10
	7000	786	9.7	8.6	180/29		7600	774	8.5	8.3	080/08
	9050	729	5.7	6.8	170/26	8850	740	5.7	7.3	080/09	
	14450	594	—1.0	4.4	220/15	11050	680	2.4	1.9	090/18	
281100	Sfc	1011	27.3	14.5	180/10	302300	Sfc	1018	21.2	14.2	270/03
	1000	979	24.8	14.0	150/15		550	1000	21.6	13.0	180/05
	5350	838	13.5	11.2	170/20		1000	985	20.7	12.9	080/11
	7000	791	10.0	8.9	180/28		4250	877	14.2	10.7	070/18
	10250	700	4.0	4.2	190/20		4900	856	11.5	9.3	080/18
	281700	Sfc	1009	25.1	17.1		170/14	10000	710	3.1	—
3000		910	19.3	13.6	170/25	Temps Unreliable					
6000		818	13.3	10.2	180/18	Dec. 010500	Sfc	1018	19.4	11.9	230/04
8350		750	9.2	7.0	170/22		500	1000	22.7	11.3	240/05
11200		676	4.2	6.5	190/16		2000	950	19.0	9.4	320/02
282300	Sfc	1014	20.6	15.0	180/04		3000	917	16.6	10.0	050/07
	1000	980	19.7	14.3	230/09		4700	861	12.2	9.1	070/21
	8000	762	9.3	8.5	160/17		8300	755	7.3	7.0	070/26
	10500	695	5.0	6.0	210/22		8850	739	7.5	2.9	070/26
	14000	608	—0.3	5.0	230/19		11700	665	4.6	—	070/28
290500	Sfc	1012	20.4	14.5	Winds Missing	011100	Sfc	1019	24.7	14.2	360/03
	350	1000	22.0	13.5			550	1000	21.9	12.0	030/04
	2050	943	17.6	11.9			2000	951	18.5	11.0	080/09
	12200	650	0.7	5.5			6950	796	9.0	6.3	090/13

Date/ Time	Height	Pres.	Temp.	Mix. R	Wind
011100	10000	710	5.5	1.7	090/19
	10750	692	5.5	1.5	080/20
011700	Sfc	1016	25.1	13.6	050/03
	500	1000	22.5	12.1	060/05
	3400	903	15.2	10.3	080/08
	7000	794	8.8	5.5	090/17
	9350	726	3.3	5.7	070/19
	9950	711	5.0	3.1	070/20
	13500	621	0.2	—	040/15
012300	Sfc	1018	18.5	12.3	270/06
	550	1000	19.5	12.0	320/06
	1000	984	18.9	11.8	070/06
	2050	948	16.6	11.3	070/14
	2250	941	17.5	11.5	080/16
	4000	834	14.7	10.1	100/21
	6000	822	11.2	8.8	070/13
	9500	722	5.3	6.8	070/14
020500	13200	628	0.2	1.4	070/20
	Sfc	1017	22.0	13.1	070/08
	300	1007	22.4	12.4	070/08
	3000	916	15.6	9.9	050/14
	5600	833	9.0	7.9	030/07
	6900	793	7.7	7.4	060/09
	7500	776	8.8	6.1	070/09
	10600	694	2.0	5.3	090/09
021100	11300	675	3.0	2.6	080/08
	Sfc	1018	24.7	12.2	090/10
	550	1000	22.5	10.9	080/10
	2000	950	19.0	10.1	080/11
	4000	882	13.9	9.1	090/08
	6000	820	9.0	8.0	120/03
	9600	718	4.9	6.4	180/04
021700	10850	687	4.2	1.6	120/07
	Sfc	1016	22.0	14.1	070/07
	1000	984	20.3	12.3	070/12
	4400	870	13.3	10.1	090/05
	8750	741	5.5	7.2	140/08
	9150	729	6.4	6.3	100/04
	10150	703	4.6	1.5	070/04
022300	Sfc	1018	20.2	13.5	250/06
	550	1000	20.0	13.0	170/04
	1000	983	19.2	12.7	100/05
	3950	883	14.0	10.9	080/18
	4450	868	11.4	9.4	080/20
	6300	812	10.3	9.3	100/15
	9350	726	4.6	6.9	140/06
	11150	679	— 2.4	3.9	100/05
030500	Sfc	1017	18.9	12.5	270/05
	1350	970	18.3	12.3	100/06
	3000	915	15.5	11.1	080/13
	6000	820	10.5	9.1	030/09
	8000	764	7.1	8.0	090/05
	9250	728	4.8	7.3	060/02
	10450	695	5.6	1.7	050/04
031100	Sfc	1018	21.5	13.9	290/06
	1000	984	19.7	11.9	040/02
	2000	951	17.9	11.3	080/04
	5000	852	12.0	9.1	080/13
	6100	819	9.8	8.4	070/08
	9100	732	5.5	7.4	070/10

Date/ Time	Height	Pres.	Temp.	Mix. R	Wind
031100	10050	709	5.0	5.4	070/09
	10750	690	4.5	1.5	070/09
031700	Sfc	1016	21.1	13.9	260/04
	450	1000	21.1	12.8	320/03
	1000	982	20.1	12.2	040/03
	3300	905	15.7	10.5	070/12
	7550	774	7.3	7.7	360/02
	8550	748	9.2	2.0	030/03
	10000	709	6.5	—	050/06
032300	Sfc	1017	18.5	12.3	260/02
	500	1000	21.0	11.9	320/04
	3000	915	14.8	9.5	040/07
	4250	874	11.5	8.4	030/05
	4450	868	12.5	7.7	010/06
	6700	788	7.1	4.3	030/10
	7650	772	10.3	1.8	050/07
	10000	708	6.5	—	030/05
040500	Sfc	1015	16.0	9.7	270/05
	600	996	20.2	10.5	300/03
	2000	949	16.7	9.5	070/02
	5000	850	9.7	6.9	060/09
	6650	799	6.0	5.6	050/08
	7400	778	8.0	1.7	060/07
	10000	707	4.5	—	050/06
041100	Sfc	1017	24.3	11.3	360/05
	1000	982	20.5	10.0	350/07
	2000	948	17.8	9.5	050/03
	3200	910	14.6	9.0	050/05
	7150	788	7.6	6.7	030/11
	7850	767	9.5	4.0	040/12
	10000	708	5.3	—	060/07
041700	Sfc	1014	25.0	12.6	040/04
	450	1000	22.4	11.0	030/04
	5850	823	8.9	7.0	060/12
	8050	760	8.6	3.9	070/11
	10000	707	4.8	—	360/06
042300	Sfc	1017	17.6	11.1	260/04
	1000	983	20.4	11.3	360/01
	2000	949	18.2	10.2	100/02
	7000	792	7.2	6.5	060/15
	8200	855	4.4	5.8	070/13
	8650	844	6.7	2.0	060/09
	10000	709	4.1	—	100/02
050500	Sfc	1016	20.3	13.0	270/05
	700	993	20.7	11.9	240/02
	2000	949	18.1	10.8	080/05
	7000	791	8.3	7.2	070/17
	11800	661	— 1.0	5.4	350/09
051700	12000	656	— 0.1	2.6	330/09
	Sfc	1016	20.7	13.9	270/04
	1000	982	18.9	11.7	320/06
	4000	882	14.0	9.6	080/15
	10000	708	3.3	6.4	060/03
060500	10350	648	— 0.8	5.4	330/06
	Sfc	1018	17.8	11.7	260/04
	500	1000	20.9	12.1	320/04
	2000	949	17.3	10.5	040/08
	5400	840	9.1	6.7	070/06
	7500	776	8.8	2.2	090/12
	10000	707	4.4	4.5	100/08