Weather Balloon Data - July 4th afternoon											
Air Pressure	Height above sea level	Height above ground	Height above ground	Temp	Temp	Dew Point	Dew Point	RELH	MIXR	Wind Direction	Wind Speed
mbar	m	m	ft	C	F	C	F	%	g/kg	deg	knot
838	1620	0	0	32.4	90.32	3.4	38.12	16	5.86	95	12
829	1716	96	314.88	29.8	85.64	3.8	38.84	19	6.1	90	15
818.5	1829	209	685.52	28.6	83.48	3.5	38.3	20	6.03	85	18
804	1987	367	1203.76	27	80.6	3	37.4	21	5.94	85	15
790.7	2134	514	1685.92	26.2	79.16	2.2	35.96	21	5.71	85	12
787	2175	555	1820.4	26	78.8	2	35.6	21	5.65	89	11
763.4	2438	818	2683.04	23.6	74.48	1.2	34.16	23	5.49	115	8
736.9	2743	1123	3683.44	20.8	69.44	0.2	32.36	25	5.3	120	7
700	3187	1567	5139.76	16.8	62.24	-1.2	29.84	29	5.03	115	5
661.8	3658	2038	6684.64	12.3	54.14	-3.1	26.42	34	4.63	140	4
629	4085	2465	8085.2	8.2	46.76	-4.8	23.36	39	4.28	43	1
615.2	4267	2647	8682.16	6.6	43.88	-4.6	23.72	45	4.45	0	0
592	4583	2963	9718.64	3.8	38.84	-4.2	24.44	56	4.76	13	4
582	4721	3101	10171.28	2.8	37.04	-7.2	19.04	48	3.85	19	5
570.8	4877	3257	10682.96	1.5	34.7	-8.2	17.24	48	3.64	25	7
545	5249	3629	11903.12	-1.5	29.3	-10.5	13.1	50	3.17	15	10
531	5456	3836	12582.08	-2.7	27.14	-13.7	7.34	43	2.51	9	11
508.9	5791	4171	13680.88	-6	21.2	-14.8	5.36	49	2.39	0	14
500	5930	4310	14136.8	-7.3	18.86	-15.3	4.46	53	2.34	0	14
489.4	6096	4476	14681.28	-8.4	16.88	-14.8	5.36	60	2.49	340	14
487	6134	4514	14805.92	-8.7	16.34	-14.7	5.54	62	2.52	336	14
477	6294	4674	15330.72	-8.7	16.34	-16.7	1.94	52	2.18	317	12
473	6359	4739	15543.92	-8.7	16.34	-22.7	-8.86	31	1.31	310	11
470.5	6401	4781	15681.68	-9	15.8	-23.6	-10.48	29	1.21	305	11
465	6491	4871	15976.88	-9.7	14.54	-25.7	-14.26	26	1.02	321	12
454	6675	5055	16580.4	-10.9	12.38	-19.9	-3.82	47	1.75	354	15
452.1	6706	5086	16682.08	-11.2	11.84	-20.2	-4.36	47	1.71	0	16
437	6965	5345	17531.6	-13.7	7.34	-22.7	-8.86	47	1.42	0	15
422	7229	5609	18397.52	-15.3	4.46	-20.3	-4.54	66	1.82	0	14
405	7537	5917	19407.76	-17.9	-0.22	-22.9	-9.22	65	1.51	0	13
400.5	7620	6000	19680	-18.3	-0.94	-23.3	-9.94	65	1.48	0	13
400	7630	6010	19712.8	-18.3	-0.94	-23.3	-9.94	65	1.47	0	13
394	7743	6123	20083.44	-18.7	-1.66	-23.4	-10.12	66	1.48	354	15
384.5	7925	6305	20680.4	-19.6	-3.28	-25.9	-14.62	57	1.21	345	18
381	7993	6373	20903.44	-19.9	-3.82	-26.9	-16.42	54	1.12	352	17
375	8111	6491	21290.48	-20.5	-4.9	-27.5	-17.5	54	1.07	3	16
369	8230	6610	21680.8	-21.4	-6.52	-27.9	-18.22	56	1.05	15	14
363	8352	6732	22080.96	-22.3	-8.14	-28.3	-18.94	58	1.03	12	15
339.6	8839	7219	23678.32	-25.6	-14.08	-32.2	-25.96	54	0.76	0	20
329	9070	7450	24436	-27.1	-16.78	-34.1	-29.38	51	0.65	11	22
325.6	9144	7524	24678.72	-27.7	-17.86	-34.5	-30.1	52	0.63	15	23
312.1	9449	7829	25679.12	-30	-22	-36.1	-32.98	55	0.56	25	26
309	9520	7900	25912	-30.5	-22.9	-36.5	-33.7	56	0.55	25	26
300	9730	8110	26600.8	-31.9	-25.42	-37.9	-36.22	55	0.49	25	25
286.1	10058	8438	27676.64	-34.4	-29.92	-41.2	-42.16	50	0.37	25	28
273.7	10363	8743	28677.04	-36.7	-34.06	-44.2	-47.56	46	0.28	45	25
250.6	10973	9353	30677.84	-41.4	-42.52	-50.3	-58.54	37	0.15	45	21
250	10990	9370	30733.6	-41.5	-42.7	-50.5	-58.9	37	0.15	45	21

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mbar	m	m	ft	C	F	C	F	%	g/kg	deg	knot
245	11127	9507	31182.96	-42.5	-44.5	-51.5	-60.7	37	0.14	34	20
243	11182	9562	31363.36	-41.1	-41.98	-51.1	-59.98	33	0.14	30	20
238	11323	9703	31825.84	-41.3	-42.34	-52.3	-62.14	29	0.13	19	19
227	11642	10022	32872.16	-43.7	-46.66	-60.7	-77.26	14	0.05	354	17
218.8	11887	10267	33675.76	-45.6	-50.08	-62.6	-80.68	13	0.04	335	16
208.9	12192	10572	34676.16	-48	-54.4	-65	-85	12	0.03	350	12
204	12350	10730	35194.4	-49.3	-56.74	-66.3	-87.34	12	0.03	342	9
200	12480	10860	35620.8	-49.5	-57.1	-66.5	-87.7	12	0.02	335	7
199.5	12497	10877	35676.56	-49.6	-57.28	-66.6	-87.88	12	0.02	335	7
197	12579	10959	35945.52	-49.9	-57.82	-66.9	-88.42	12	0.02	342	8
174	13378	11758	38566.24	-55.3	-67.54	-70.3	-94.54	14	0.02	57	16
173.1	13411	11791	38674.48	-55.2	-67.36	-70.5	-94.9	13	0.02	60	16
171	13489	11869	38930.32	-55.1	-67.18	-71.1	-95.98	12	0.02	69	16
164.9	13716	12096	39674.88	-56.9	-70.42	-72.2	-97.96	13	0.01	95	15
155	14107	12487	40957.36	-60.1	-76.18	-74.1	-101.38	14	0.01	95	18
150	14310	12690	41623.2	-61.3	-78.34	-74.3	-101.74	16	0.01	95	20
135.4	14935	13315	43673.2	-65.8	-86.44	-77.6	-107.68	18	0.01	100	25
128.8	15240	13620	44673.6	-67.9	-90.22	-79.2	-110.56	19	0.01	105	22
126	15374	13754	45113.12	-68.9	-92.02	-79.9	-111.82	19	0.01	105	21
117	15817	14197	46566.16	-70.1	-94.18	-81.1	-113.98	19	0	105	16
112	16076	14456	47415.68	-72.3	-98.14	-82.3	-116.14	21	0	105	13
103	16567	14947	49026.16	-74.1	-101.38	-84.1	-119.38	20	0	105	8
101	16682	15062	49403.36	-73.3	-99.94	-83.3	-117.94	21	0	115	11
100	16740	15120	49593.6	-73.9	-101.02	-83.9	-119.02	20	0	120	13
89.6	17374	15754	51673.12	-74.9	-102.82	-84.9	-120.82	20	0	105	4
85.1	17678	16058	52670.24	-75.3	-103.54	-85.3	-121.54	20	0	75	11
77.8	18195	16575	54366	-76.1	-104.98	-86.1	-122.98	20	0	67	25
76.6	18288	16668	54671.04	-74.5	-102.1	-85	-121	19	0	65	28
75	18408	16788	55064.64	-72.5	-98.5	-83.5	-118.3	18	0.01	83	28
73.7	18512	16892	55405.76	-69.1	-92.38	-80.1	-112.18	19	0.01	98	28
72.7	18593	16973	55671.44	-68.7	-91.66	-80	-112	18	0.01	110	28
70	18820	17200	56416	-67.7	-89.86	-79.7	-111.46	17	0.01	105	30
69.1	18898	17278	56671.84	-67.2	-88.96	-79.4	-110.92	16	0.01	100	32
66.4	19140	17520	57465.6	-65.5	-85.9	-78.5	-109.3	15	0.01	104	29
65.7	19202	17582	57668.96	-65.6	-86.08	-78.5	-109.3	15	0.01	105	28
62.7	19488	17868	58607.04	-66.3	-87.34	-78.3	-108.94	17	0.01	143	19
62.5	19507	17887	58669.36	-66.1	-86.98	-78.2	-108.76	17	0.01	145	18
59.5	19812	18192	59669.76	-62.3	-80.14	-76.3	-105.34	14	0.02	95	19
59.5	19809	18189	59659.92	-62.3	-80.14	-76.3	-105.34	14	0.02	95	19
56.6	20117	18497	60670.16	-61	-77.8	-75	-103	14	0.03	110	19
55.5	20241	18621	61076.88	-60.5	-76.9	-74.5	-102.1	14	0.03	65	11
53.9	20422	18802	61670.56	-60.9	-77.62	-74.9	-102.82	14	0.03	0	0
50	20890	19270	63205.6	-61.9	-79.42	-75.9	-104.62	14	0.03	60	11
48.9	21031	19411	63668.08	-62.3	-80.14	-76.3	-105.34	14	0.02	75	12
46.5	21338	19718	64675.04	-63.1	-81.58	-77.1	-106.78	13	0.02	30	12
46.5	21336	19716	64668.48	-63.1	-81.58	-77.1	-106.78	13	0.02	30	12
44.3	21641	20021	65668.88	-62.7	-80.86	-77.2	-106.96	13	0.02	45	22
42.4	21907	20287	66541.36	-62.3	-80.14	-77.3	-107.14	12	0.02	71	26
42.1	21946	20326	66669.28	-62	-79.6	-77.2	-106.96	12	0.02	75	27
40.1	22250	20630	67666.4	-60	-76	-76.3	-105.34	10	0.03	65	36

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mbar	m	m	ft	C	F	C	F	%	g/kg	deg	knot
38.9	22444	20824	68302.72	-58.7	-73.66	-75.7	-104.26	9	0.03	75	40
37.3	22708	21088	69168.64	-59.7	-75.46	-75.7	-104.26	11	0.04	88	44
36.4	22860	21240	69667.2	-58.9	-74.02	-75.6	-104.08	10	0.04	95	47
34.7	23165	21545	70667.6	-57.2	-70.96	-75.4	-103.72	8	0.04	75	37
33.8	23329	21709	71205.52	-56.3	-69.34	-75.3	-103.54	7	0.04	75	36
32.8	23521	21901	71835.28	-53.7	-64.66	-76.7	-106.06	4	0.03	75	35
31.6	23774	22154	72665.12	-52	-61.6	-79	-110.2	3	0.02	75	33
30	24100	22480	73734.4	-49.9	-57.82	-81.9	-115.42	1	0.02	110	26
29.5	24210	22590	74095.2	-48.5	-55.3	-82.5	-116.5	1	0.02	118	25
28.7	24384	22764	74665.92	-49.1	-56.38	-83	-117.4	1	0.01	130	24
27.4	24689	23069	75666.32	-50.2	-58.36	-83.9	-119.02	1	0.01	165	19
26.1	24994	23374	76666.72	-51.4	-60.52	-84.8	-120.64	1	0.01	145	11
24.9	25298	23678	77663.84	-52.5	-62.5	-85.7	-122.26	1	0.01	110	17
23.8	25603	23983	78664.24	-53.6	-64.48	-86.6	-123.88	1	0.01	120	20
23.7	25631	24011	78756.08	-53.7	-64.66	-86.7	-124.06	1	0.01	116	20
22.7	25908	24288	79664.64	-51.9	-61.42	-84.9	-120.82	1	0.01	75	22
22.5	25966	24346	79854.88	-51.5	-60.7	-84.5	-120.1	1	0.01	75	23
20.4	26601	24981	81937.68	-51.1	-59.98	-85.1	-121.18	1	0.01	79	30
20	26730	25110	82360.8	-50.3	-58.54	-84.3	-119.74	1	0.02	80	32
19.3	26963	25343	83125.04	-48.1	-54.58	-82.1	-115.78	1	0.02	80	35
18	27432	25812	84663.36	-48.5	-55.3	-82.5	-116.5	1	0.02	80	42
17.5	27607	25987	85237.36	-48.7	-55.66	-82.7	-116.86	1	0.02	83	40
15.8	28287	26667	87467.76	-43.1	-45.58	-79.1	-110.38	1	0.05	94	34
14.3	28956	27336	89662.08	-41	-41.8	-77.9	-108.22	1	0.07	105	28
14.1	29057	27437	89993.36	-40.7	-41.26	-77.7	-107.86	1	0.07	103	28
13.1	29566	27946	91662.88	-40.9	-41.62	-77.9	-108.22	1	0.07	90	26
12	30175	28555	93660.4	-41.1	-41.98	-78.1	-108.58	1	0.08	125	15
11.4	30480	28860	94660.8	-41.2	-42.16	-78.2	-108.76	1	0.08	120	11
10.4	31090	29470	96661.6	-41.4	-42.52	-78.4	-109.12	1	0.08	85	2
10	31390	29770	97645.6	-41.5	-42.7	-78.5	-109.3	1	0.08	20	6
9.4	31809	30189	99019.92	-42.3	-44.14	-78.3	-108.94	1	0.09	30	9
9.1	32004	30384	99659.52	-40.3	-40.54	-77	-106.6	1	0.12	35	10