

72251 CRP Corpus Christi Intl Observations at 00Z 26 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1010.0	13	32.8	25.8	67	21.25	145	13	305.1	369.1	308.9
1000.0	107	30.2	25.2	75	20.69	145	18	303.4	365.2	307.1
996.0	143	29.4	24.4	75	19.78	145	19	302.9	361.9	306.5
978.0	305	27.9	24.0	79	19.63	145	21	303.0	361.5	306.5
945.0	610	25.1	23.2	89	19.34	135	19	303.2	360.8	306.6
934.0	714	24.2	22.9	92	19.24	135	16	303.2	360.6	306.7
925.0	799	23.8	22.6	93	19.08	135	13	303.6	360.6	307.1
919.0	856	23.8	22.4	92	18.96	137	12	304.2	361.0	307.6
913.0	914	23.8	21.7	88	18.32	140	10	304.8	359.8	308.1
892.0	1118	24.0	19.4	75	16.17	197	5	307.0	356.0	310.0
881.8	1219	23.5	18.4	73	15.40	225	3	307.5	354.2	310.3
858.0	1458	22.2	16.2	69	13.69	247	3	308.6	350.3	311.1
850.0	1540	22.0	14.0	60	11.96	255	3	309.2	345.8	311.4
823.0	1820	20.6	8.6	46	8.59	250	3	310.6	337.3	312.2
822.1	1829	20.6	8.1	45	8.31	250	3	310.7	336.5	312.2
811.0	1947	20.6	1.6	28	5.33	190	3	311.9	328.8	312.9
806.0	2000	20.6	5.6	37	7.12	163	3	312.4	334.9	313.8
802.0	2043	21.0	4.0	33	6.39	141	3	313.3	333.6	314.5
793.6	2134	20.4	1.3	28	5.34	95	3	313.6	330.8	314.6
790.0	2173	20.2	0.2	26	4.94	78	3	313.8	329.7	314.7
766.0	2438	17.7	4.4	41	6.90	325	3	313.9	335.8	315.2
765.0	2449	17.6	4.6	42	7.00	326	3	313.9	336.1	315.2
742.0	2710	17.0	2.0	36	5.99	356	2	316.0	335.3	317.1
739.1	2743	16.8	1.8	36	5.91	0	2	316.1	335.1	317.2
702.0	3179	13.6	-1.4	35	4.94	284	4	317.2	333.4	318.2
700.0	3203	13.4	-1.6	35	4.89	280	4	317.3	333.2	318.2
690.0	3324	12.6	-4.4	30	4.02	259	3	317.7	331.0	318.5
673.0	3533	10.8	-0.2	47	5.64	222	2	318.0	336.3	319.1
663.0	3658	10.1	-3.5	38	4.47	200	1	318.6	333.3	319.4
658.0	3721	9.8	-5.2	34	3.97	210	2	318.9	332.1	319.7
634.0	4029	7.2	-5.8	39	3.93	258	6	319.3	332.4	320.1
628.0	4107	6.6	-7.4	36	3.51	270	7	319.5	331.3	320.2
623.0	4172	6.8	-13.2	22	2.23	280	8	320.5	328.2	320.9
615.8	4267	6.2	-14.3	21	2.06	295	9	320.9	328.0	321.3
585.0	4687	3.6	-19.4	17	1.41	316	8	322.6	327.6	322.8
571.4	4877	2.1	-19.2	19	1.47	325	7	322.9	328.2	323.2
550.1	5182	-0.4	-18.9	23	1.56	200	1	323.5	329.1	323.8
546.0	5243	-0.9	-18.9	24	1.58	191	2	323.6	329.2	323.9
520.0	5631	-3.3	-22.3	21	1.24	135	6	325.3	329.8	325.5
507.0	5831	-4.9	-18.9	33	1.70	106	8	325.7	331.8	326.0
502.0	5909	-5.1	-20.1	30	1.55	95	9	326.4	332.0	326.7
500.0	5940	-5.3	-22.3	25	1.29	90	9	326.5	331.2	326.8
499.0	5956	-5.3	-24.3	21	1.08	92	9	326.7	330.7	326.9
493.0	6050	-5.5	-22.5	25	1.28	101	10	327.6	332.3	327.8
490.1	6096	-5.8	-24.3	22	1.10	105	10	327.8	331.9	328.0
473.0	6374	-7.3	-35.3	9	0.40	113	9	329.3	330.8	329.3
459.0	6606	-8.9	-34.9	10	0.43	120	9	330.1	331.8	330.2
438.0	6968	-10.1	-44.1	4	0.17	131	8	333.0	333.8	333.1
402.1	7620	-14.1	-42.4	7	0.23	150	7	336.1	337.1	336.2
400.0	7660	-14.3	-42.3	7	0.23	145	6	336.3	337.3	336.4
374.0	8165	-17.3	-46.3	6	0.16	145	12	338.9	339.6	338.9
355.8	8534	-20.4	-48.7	6	0.13	145	16	339.6	340.1	339.6
346.0	8742	-22.1	-50.1	6	0.11	143	17	340.0	340.5	340.0

330.0	9087	-25.1	-45.1	14	0.21	140	20	340.5	341.4	340.5
327.4	9144	-25.6	-45.9	13	0.19	140	20	340.6	341.5	340.7
300.0	9770	-30.5	-54.5	8	0.08	135	20	342.3	342.6	342.3
288.0	10058	-32.9	-55.9	8	0.07	130	19	342.9	343.2	342.9
276.0	10357	-35.3	-57.3	9	0.06	135	21	343.6	343.9	343.6
250.0	11040	-39.9	-63.9	6	0.03	145	25	346.6	346.7	346.6
246.0	11150	-40.3	-63.3	7	0.03	148	26	347.6	347.8	347.6
226.0	11724	-45.3	-58.3	22	0.06	161	28	348.5	348.8	348.5
220.5	11887	-46.5	-62.6	14	0.04	165	29	349.0	349.2	349.0
219.0	11934	-46.9	-63.9	13	0.03	164	29	349.2	349.3	349.2
200.0	12530	-51.9	-64.9	20	0.03	155	26	350.4	350.6	350.4
197.0	12628	-52.7	-65.7	19	0.03	155	26	350.7	350.8	350.7
189.0	12893	-54.7	-66.7	21	0.03	155	26	351.6	351.8	351.6
185.0	13030	-55.3	-69.3	16	0.02	155	25	352.8	352.9	352.8
174.1	13411	-59.1	-72.4	16	0.01	155	25	352.6	352.7	352.6
171.0	13525	-60.3	-73.3	17	0.01	148	25	352.6	352.6	352.6
166.0	13710	-60.9	-73.9	16	0.01	135	26	354.6	354.6	354.6
165.8	13716	-61.0	-73.9	16	0.01	135	26	354.6	354.6	354.6
150.1	14326	-66.5	-76.5	23	0.01	115	22	355.3	355.4	355.3
150.0	14330	-66.5	-76.5	23	0.01	115	22	355.3	355.4	355.3
135.0	14960	-71.7	-79.7	29	0.01	122	21	357.0	357.0	357.0
128.7	15240	-73.1	-81.1	29	0.00	125	21	359.4	359.4	359.4
116.0	15845	-76.1	-84.1	28	0.00	130	29	364.6	364.7	364.6
115.9	15850	-76.0	-84.0	28	0.00	130	33	364.9	365.0	364.9
114.0	15946	-73.7	-81.7	29	0.00	122	28	370.9	370.9	370.9
110.0	16154	-74.5	-82.5	28	0.00	105	18	373.2	373.2	373.2
104.0	16481	-74.5	-83.5	24	0.00	114	19	379.3	379.3	379.3
102.0	16594	-73.9	-82.9	24	0.00	117	20	382.5	382.5	382.5
100.0	16710	-72.3	-82.3	21	0.00	120	20	387.8	387.8	387.8
96.5	16920	-70.3	-82.3	16	0.00	131	17	395.6	395.7	395.6
89.4	17373	-71.1	-85.1	11	0.00	154	10	402.8	402.8	402.8
84.9	17678	-69.9	-86.5	7	0.00	170	6	411.2	411.2	411.2
84.2	17728	-69.7	-86.7	7	0.00	161	7	412.6	412.6	412.6
80.7	17983	-68.1	-87.3	5	0.00	115	15	420.9	420.9	420.9
76.7	18288	-66.2	-88.1	3	0.00	130	19	431.0	431.0	431.0
76.5	18304	-66.1	-88.1	3	0.00	130	19	431.6	431.6	431.6
72.9	18593	-66.6	-90.3	2	0.00	130	18	436.4	436.4	436.4
70.0	18840	-67.1	-92.1	2	0.00	85	12	440.5	440.5	440.5
69.8	18857	-67.1	-92.1	2	0.00	79	13	440.9	440.9	440.9
69.3	18898	-66.4	-91.8	2	0.00	65	16	443.2	443.2	443.2
67.2	19089	-63.1	-90.1	2	0.00	74	19	454.3	454.3	454.3
62.8	19507	-64.5	-91.5	1	0.00	95	25	460.2	460.2	460.2
62.8	19505	-64.5	-91.5	1	0.00	95	25	460.1	460.1	460.1
59.7	19816	-62.5	-91.5	1	0.00	90	32	471.3	471.3	471.3
59.7	19812	-62.5	-91.5	1	0.00	90	32	471.1	471.1	471.1
56.2	20188	-63.9	-91.9	1	0.00	100	30	476.3	476.3	476.3
51.5	20726	-62.1	-91.6	1	0.00	115	26	492.5	492.5	492.5
50.0	20910	-61.5	-91.5	1	0.00	110	19	498.1	498.1	498.1
48.1	21151	-60.1	-90.1	1	0.00	96	20	507.0	507.0	507.0
46.7	21336	-60.3	-90.3	1	0.00	85	21	510.9	510.9	510.9
45.1	21552	-60.5	-90.5	1	0.00	90	27	515.5	515.5	515.5
42.4	21946	-57.3	-88.8	1	0.00	100	37	532.5	532.6	532.5
41.5	22076	-56.3	-88.3	1	0.00	92	36	538.3	538.3	538.3
38.9	22488	-55.3	-87.3	1	0.01	69	33	550.8	550.9	550.9
38.5	22555	-55.4	-87.3	1	0.01	65	33	552.3	552.4	552.3
32.0	23729	-56.7	-87.7	1	0.01	72	34	578.7	578.8	578.7
30.0	24140	-55.1	-87.1	1	0.01	75	34	593.8	593.9	593.8
28.9	24384	-54.1	-86.6	1	0.01	70	32	602.9	603.0	602.9
27.6	24689	-53.0	-85.9	1	0.01	80	27	614.5	614.6	614.5
25.2	25262	-50.7	-84.7	1	0.01	89	39	636.8	636.9	636.8
23.9	25603	-51.6	-85.0	1	0.01	95	46	643.7	643.8	643.7

23.3	25770	-52.1	-85.1	1	0.01	95	44	647.1	647.2	647.1
21.0	26443	-50.7	-84.7	1	0.01	95	38	670.8	671.0	670.8
20.8	26518	-50.9	-84.7	1	0.01	95	37	672.4	672.6	672.5
20.0	26760	-51.5	-84.5	1	0.02	90	39	677.8	677.9	677.8
18.8	27161	-52.5	-85.5	1	0.01	90	44	686.8	686.9	686.8
18.0	27432	-49.5	-83.2	1	0.02	90	47	704.5	704.7	704.5
17.7	27555	-48.1	-82.1	1	0.03	91	49	712.6	712.9	712.6
16.4	28042	-45.4	-80.6	1	0.04	95	55	736.3	736.7	736.3
15.6	28396	-43.5	-79.5	1	0.05	98	52	753.9	754.4	753.9
15.0	28651	-43.8	-79.8	1	0.05	100	49	761.3	761.8	761.3
14.3	28981	-44.1	-80.1	1	0.05	92	48	770.9	771.4	770.9
13.7	29261	-42.8	-78.8	1	0.06	85	48	784.4	785.1	784.5
13.4	29419	-42.1	-78.1	1	0.07	93	50	792.2	793.0	792.2
13.1	29566	-41.9	-78.1	1	0.07	100	52	797.7	798.5	797.7
11.5	30480	-40.8	-77.8	1	0.08	110	35	833.2	834.2	833.2
11.5	30457	-40.9	-77.9	1	0.08	110	35	831.8	832.8	831.9
10.5	31090	-36.7	-74.6	1	0.15	75	30	869.5	871.4	869.6
10.4	31148	-36.3	-74.3	1	0.16	73	32	873.0	875.0	873.1
10.0	31420	-36.3	-74.3	1	0.16	65	39	882.9	885.0	883.0
8.1	32918	-37.6	-75.6	1	0.16	55	43	934.0	936.3	934.1
7.7	33226	-37.9	-75.9	1	0.17			944.9	947.2	945.0

Station information and sounding indices

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Station identifier: CRP
Station number: 72251
Observation time: 150726/0000
Station latitude: 27.76
Station longitude: -97.50
Station elevation: 13.0
Showalter index: -0.71
Lifted index: -6.34
LIFT computed using virtual temperature: -7.51
SWEAT index: 182.98
K index: 26.30
Cross totals index: 19.30
Vertical totals index: 27.30
Totals totals index: 46.60
Convective Available Potential Energy: 2808.57
CAPE using virtual temperature: 3104.53
Convective Inhibition: -106.41
CINS using virtual temperature: -24.51
Equilibrium Level: 121.07
Equilibrium Level using virtual temperature: 120.99
Level of Free Convection: 705.97
LFCT using virtual temperature: 832.86
Bulk Richardson Number: 78.95
Bulk Richardson Number using CAPV: 87.27
Temp [K] of the Lifted Condensation Level: 296.38
Pres [hPa] of the Lifted Condensation Level: 923.19
Mean mixed layer potential temperature: 303.23
Mean mixed layer mixing ratio: 19.90
1000 hPa to 500 hPa thickness: 5833.00
Precipitable water [mm] for entire sounding: 45.64

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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)
