

72518 ALB Albany Observations at 00Z 25 Jul 2015

PRES hPa	HGHT m	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	THTE K	THTV K
1002.0	95	20.8	15.8	73	11.39	180	3	293.8	326.5	295.8
1000.0	116	20.6	14.6	68	10.55	185	4	293.8	324.1	295.6
983.0	264	19.8	11.8	60	8.92	205	5	294.4	320.3	296.0
978.4	305	20.5	11.3	56	8.68	210	5	295.5	320.8	297.0
975.0	335	21.0	11.0	53	8.52	216	6	296.3	321.3	297.8
944.4	610	19.9	9.9	53	8.19	270	12	297.9	322.1	299.4
929.0	752	19.4	9.4	52	8.03	278	18	298.8	322.6	300.2
925.0	789	19.0	9.0	52	7.84	280	19	298.7	322.0	300.1
911.5	914	17.9	8.6	54	7.74	285	20	298.9	321.9	300.2
879.3	1219	15.2	7.6	60	7.48	300	23	299.1	321.4	300.5
850.0	1507	12.6	6.6	67	7.24	305	27	299.3	320.9	300.6
848.3	1524	12.4	6.5	67	7.22	305	27	299.3	320.9	300.6
817.6	1829	9.7	5.3	74	6.87	320	26	299.6	320.1	300.8
788.1	2134	6.9	4.0	82	6.53	330	26	299.7	319.3	300.9
771.0	2316	5.2	3.3	88	6.33	339	25	299.8	318.9	301.0
759.5	2438	4.4	2.4	87	6.03	345	24	300.2	318.4	301.3
744.0	2607	3.2	1.2	87	5.64	345	23	300.7	317.8	301.7
731.6	2743	3.6	-2.2	66	4.46	345	23	302.6	316.4	303.4
731.0	2750	3.6	-2.4	65	4.41	345	23	302.7	316.3	303.5
726.0	2805	3.4	-2.6	65	4.37	343	23	303.0	316.6	303.9
704.5	3048	0.9	-2.4	79	4.59	335	21	302.9	317.1	303.8
700.0	3100	0.4	-2.3	82	4.64	335	21	302.9	317.2	303.8
696.0	3146	-0.1	-2.1	86	4.73	337	21	302.8	317.4	303.7
680.0	3332	-1.1	-3.5	84	4.36	344	21	303.7	317.3	304.5
678.2	3353	-1.2	-3.4	85	4.41	345	21	303.8	317.5	304.6
671.0	3439	-1.9	-3.0	92	4.59	345	21	304.0	318.2	304.9
652.8	3658	-3.4	-4.4	93	4.24	345	21	304.7	317.9	305.5
647.0	3728	-3.9	-4.9	93	4.13	345	22	304.9	317.8	305.7
637.0	3851	-5.5	-7.5	86	3.43	345	23	304.5	315.3	305.1
632.0	3913	-6.5	-13.5	58	2.15	345	24	304.0	310.9	304.4
628.0	3963	-7.1	-15.1	53	1.89	345	24	303.9	310.0	304.2
607.0	4228	-7.1	-16.1	49	1.80	345	27	306.8	312.8	307.2
604.0	4267	-7.1	-17.0	45	1.68	345	27	307.2	312.8	307.5
590.0	4450	-7.3	-21.3	32	1.19	345	28	309.1	313.2	309.3
575.0	4651	-7.1	-24.1	24	0.95	345	28	311.6	314.9	311.8
562.0	4829	-8.1	-27.1	20	0.74	345	29	312.5	315.1	312.6
558.6	4877	-8.2	-30.6	15	0.54	345	29	312.9	314.9	313.0
554.0	4941	-8.3	-35.3	9	0.34	344	29	313.5	314.8	313.6
537.0	5182	-9.5	-39.5	7	0.23	341	30	314.9	315.8	314.9
500.0	5730	-13.7	-34.7	15	0.40	335	33	316.3	317.8	316.4
475.9	6096	-16.7	-34.6	20	0.43	335	36	317.1	318.7	317.2
407.0	7255	-26.1	-34.1	47	0.53	335	41	319.4	321.4	319.5
403.6	7315	-26.6	-34.6	47	0.51	335	41	319.5	321.4	319.6
400.0	7380	-27.1	-35.1	47	0.49	335	41	319.7	321.5	319.8
386.8	7620	-28.9	-36.2	49	0.45	330	46	320.4	322.1	320.5
381.0	7728	-29.7	-36.7	51	0.43	331	47	320.7	322.4	320.8
362.0	8091	-31.1	-38.1	50	0.40	333	52	323.6	325.1	323.7
347.0	8388	-33.5	-39.5	55	0.36	335	56	324.3	325.7	324.3
336.0	8613	-35.3	-42.3	49	0.28	336	59	324.8	325.9	324.9
325.0	8843	-37.3	-43.3	54	0.26	338	62	325.2	326.2	325.2
317.0	9015	-38.1	-45.1	48	0.22	339	64	326.4	327.2	326.4
311.0	9144	-39.3	-46.7	46	0.19	340	66	326.4	327.2	326.4
300.0	9390	-41.7	-49.7	41	0.14	335	69	326.5	327.0	326.5

296.0	9481	-42.5	-49.5	46	0.14	334	70	326.6	327.2	326.6
274.0	10000	-47.3	-51.6	61	0.12	330	73	326.9	327.4	327.0
263.0	10273	-46.7	-59.7	21	0.05	332	79	331.7	331.9	331.7
253.0	10531	-47.9	-65.9	11	0.02	335	85	333.6	333.7	333.6
251.0	10583	-47.5	-66.2	10	0.02	335	86	334.9	335.0	334.9
250.0	10610	-47.3	-66.3	10	0.02	335	86	335.6	335.7	335.6
249.0	10636	-47.3	-66.3	10	0.02	335	86	336.0	336.1	336.0
247.8	10668	-47.4	-66.5	9	0.02	335	86	336.2	336.3	336.2
236.0	10989	-48.9	-68.9	8	0.02	335	77	338.8	338.8	338.8
225.8	11278	-49.4	-72.9	5	0.01	335	68	342.4	342.4	342.4
219.0	11477	-49.7	-75.7	3	0.01	335	71	344.9	344.9	344.9
215.0	11598	-48.9	-77.9	2	0.00	335	73	347.9	347.9	347.9
205.7	11887	-50.4	-81.1	1	0.00	335	78	349.9	350.0	350.0
204.0	11940	-50.7	-81.7	1	0.00	336	75	350.3	350.4	350.3
201.0	12037	-48.3	-81.3	1	0.00	339	71	355.6	355.6	355.6
200.0	12070	-48.1	-81.1	1	0.00	340	69	356.4	356.4	356.4
198.0	12136	-47.9	-81.9	1	0.00	337	63	357.8	357.8	357.8
196.3	12192	-47.6				335	58	359.2		359.2
195.0	12237	-47.3				335	57	360.3		360.3
186.0	12550	-48.9				332	54	362.6		362.6
166.0	13298	-48.9				326	45	374.6		374.6
163.2	13411	-49.6				325	44	375.3		375.3
155.0	13747	-51.7				325	44	377.2		377.2
150.0	13960	-51.7				325	44	380.8		380.8
148.0	14047	-51.7				326	43	382.2		382.2
135.0	14637	-54.9				330	40	386.8		386.8
128.8	14935	-54.7				330	36	392.3		392.3
122.8	15240	-54.5				320	34	398.0		398.0
122.0	15283	-54.5				319	35	398.8		398.8
117.1	15545	-54.9				315	38	402.8		402.8
113.0	15771	-55.3				324	31	406.2		406.2
107.0	16118	-54.3				338	21	414.4		414.4
105.0	16239	-55.1				343	18	415.2		415.2
102.0	16424	-54.3				350	13	420.1		420.1
100.0	16550	-54.9				355	9	421.4		421.4
85.1	17573	-58.5				344	19	434.0		434.0
79.8	17983	-54.9				340	23	449.5		449.5
78.7	18069	-54.1				350	20	452.9		452.9
76.1	18288	-54.3				15	14	456.9		456.9
72.5	18593	-54.5				0	0	462.7		462.7
70.0	18820	-54.7				330	6	467.0		467.0
64.5	19343	-55.9				330	9	475.4		475.4
60.0	19812	-54.7				330	11	488.1		488.1
54.5	20422	-53.1				0	0	505.1		505.1
53.7	20519	-52.9				13	1	507.9		507.9
50.0	20980	-53.5				75	8	517.0		517.0
49.6	21031	-53.4				65	14	518.3		518.3
47.8	21269	-53.1				81	12	524.6		524.6
47.3	21336	-53.5				85	12	525.1		525.1
45.4	21598	-55.3				66	12	527.0		527.0
43.0	21946	-53.9				40	11	538.9		538.9
41.8	22127	-53.1				70	17	545.1		545.1
41.0	22250	-53.0				90	21	548.4		548.4
37.3	22860	-52.3				85	15	565.2		565.2
35.6	23165	-51.9				100	15	573.7		573.7
32.4	23774	-51.3				65	17	591.2		591.2
30.9	24079	-50.9				90	19	600.1		600.1
30.0	24270	-50.7				75	20	605.8		605.8
29.5	24384	-50.6				65	24	609.1		609.1
26.9	24994	-50.2				95	27	626.8		626.8
25.6	25298	-50.0				105	22	635.8		635.8

24.3	25648	-49.7	92	24	646.3	646.3
22.3	26213	-46.7	70	26	671.2	671.2
21.8	26365	-45.9	73	26	678.0	678.0
20.0	26940	-45.3	85	25	696.7	696.7
18.6	27432	-43.7	80	34	716.5	716.5
18.6	27426	-43.7	80	34	716.3	716.3
17.8	27737	-44.0	85	39	725.0	725.0
16.9	28070	-44.3	90	37	734.3	734.3
15.5	28651	-40.7	100	33	764.3	764.3
15.0	28878	-39.3	81	36	776.3	776.3
14.8	28956	-39.5	75	37	778.2	778.2
14.2	29261	-40.3	100	39	785.5	785.5
13.7	29497	-40.9	96	35	791.3	791.3
13.0	29870	-40.1	90	28	806.2	806.2
11.9	30480	-38.9	85	32	831.4	831.4
10.4	31394	-37.0	95	40	870.4	870.4
10.0	31660	-36.5	95	40	882.1	882.1
9.9	31730	-36.3			885.4	885.4

Station information and sounding indices

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Station identifier: ALB
Station number: 72518
Observation time: 150725/0000
Station latitude: 42.69
Station longitude: -73.83
Station elevation: 95.0
Showalter index: 2.25
Lifted index: 1.83
LIFT computed using virtual temperature: 1.53
SWEAT index: 166.20
K index: 30.20
Cross totals index: 20.30
Vertical totals index: 26.30
Totals totals index: 46.60
Convective Available Potential Energy: 74.04
CAPE using virtual temperature: 92.21
Convective Inhibition: -136.35
CINS using virtual temperature: -124.22
Equilibrium Level: 587.45
Equilibrium Level using virtual temperature: 583.11
Level of Free Convection: 772.80
LFCT using virtual temperature: 776.80
Bulk Richardson Number: 1.14
Bulk Richardson Number using CAPV: 1.42
Temp [K] of the Lifted Condensation Level: 282.80
Pres [hPa] of the Lifted Condensation Level: 854.73
Mean mixed layer potential temperature: 295.79
Mean mixed layer mixing ratio: 8.92
1000 hPa to 500 hPa thickness: 5614.00
Precipitable water [mm] for entire sounding: 26.83

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

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