

32618 Nikolskoe Observations at 00Z 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
1010.0	18	9.2	7.6	90	6.52	45	14	281.6	299.6	282.7
1002.0	84	9.8	7.2	84	6.39	53	14	282.8	300.6	283.9
1000.0	100	9.4	6.8	84	6.23	55	14	282.6	300.0	283.6
969.0	360	7.3	6.1	92	6.11	50	14	283.0	300.1	284.0
950.0	524	6.0	5.6	97	6.04	39	13	283.3	300.2	284.3
945.0	567	6.4	6.0	97	6.24	37	13	284.1	301.6	285.2
925.0	744	9.0	6.6	85	6.65	25	12	288.5	307.5	289.7
901.0	962	10.2	4.2	66	5.77	17	12	291.9	308.8	292.9
894.0	1027	9.6	2.6	62	5.19	15	12	291.9	307.2	292.9
852.0	1425	7.5	2.5	71	5.41	0	14	293.8	309.8	294.8
850.0	1444	7.4	2.5	71	5.42	0	14	293.9	309.9	294.9
829.0	1650	6.9	2.8	75	5.67	350	12	295.5	312.3	296.5
814.0	1800	6.6	3.0	78	5.87	331	10	296.7	314.2	297.7
805.0	1890	6.0	2.4	78	5.69	320	10	297.0	314.0	298.0
725.0	2736	0.4	-3.1	77	4.21	350	8	299.9	312.7	300.6
700.0	3020	-1.5	-5.0	77	3.78	350	12	300.8	312.5	301.5
669.0	3378	-4.4	-7.4	80	3.30	340	14	301.4	311.7	302.0
660.0	3486	-5.3	-8.1	81	3.16	330	14	301.6	311.5	302.2
632.0	3826	-5.9	-7.0	92	3.60	296	15	304.7	316.0	305.4
625.0	3913	-6.9	-7.5	95	3.50	287	15	304.5	315.5	305.2
615.0	4037	-7.7	-8.5	94	3.29	275	16	305.0	315.5	305.6
564.0	4704	-11.8	-13.8	85	2.34	300	17	307.8	315.4	308.2
547.0	4940	-13.3	-15.7	82	2.07	265	14	308.8	315.6	309.1
540.0	5040	-13.9	-16.5	81	1.96	274	15	309.2	315.6	309.5
532.0	5152	-14.6	-19.0	69	1.61	285	17	309.6	315.0	309.9
503.0	5575	-17.3	-28.3	38	0.74	299	19	311.4	314.0	311.5
500.0	5620	-17.5	-28.5	38	0.73	300	19	311.6	314.2	311.8
438.0	6596	-23.3	-36.3	29	0.39	312	17	316.3	317.8	316.4
400.0	7250	-29.3	-42.3	27	0.23	320	16	316.8	317.7	316.9
331.0	8553	-40.2	-51.2	30	0.10	325	21	319.4	319.9	319.5
300.0	9230	-45.9	-55.9	31	0.07	315	19	320.6	320.8	320.6
282.0	9639	-49.5	-59.5	30	0.04	300	19	321.1	321.3	321.1
274.0	9830	-48.1	-58.3	30	0.05	290	21	325.8	326.1	325.8
252.0	10386	-43.9	-54.9	28	0.09	299	21	339.9	340.3	339.9
250.0	10440	-43.9	-54.9	28	0.09	300	21	340.7	341.1	340.7
243.0	10631	-43.8	-55.4	26	0.09	300	19	343.6	344.0	343.6
229.0	11030	-43.5	-56.4	23	0.08	280	23	349.9	350.2	349.9
215.0	11454	-43.3	-57.5	19	0.08	290	25	356.7	357.0	356.7
207.0	11709	-43.1	-58.1	18	0.07	290	23	360.8	361.1	360.8
200.0	11940	-43.3	-59.3	15	0.06	290	21	364.0	364.4	364.1
168.0	13110	-44.8	-62.6	12	0.05	275	17	380.2	380.5	380.2
158.0	13521	-45.3	-63.7	11	0.05	300	14	386.1	386.3	386.1
150.0	13870	-45.7	-64.7	10	0.04	275	14	391.1	391.3	391.1
144.0	14139	-46.1	-65.2	10	0.04	260	16	395.1	395.3	395.1
112.0	15794	-48.3	-68.0	8	0.04	305	4	420.3	420.5	420.3
100.0	16540	-49.3	-69.3	8	0.03	270	6	432.2	432.4	432.2

Station information and sounding indices

Station number: 32618
 Observation time: 150724/0000
 Station latitude: 55.20

Station longitude: 165.98
Station elevation: 18.0
Showalter index: 4.93
Lifted index: 11.43
LIFT computed using virtual temperature: 11.44
SWEAT index: 76.62
K index: 23.90
Cross totals index: 20.00
Vertical totals index: 24.90
Totals totals index: 44.90
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: 279.18
Pres [hPa] of the Lifted Condensation Level: 956.15
Mean mixed layer potential temperature: 282.80
Mean mixed layer mixing ratio: 6.19
1000 hPa to 500 hPa thickness: 5520.00
Precipitable water [mm] for entire sounding: 23.58

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)
