

70414 PASY Shemya Afb 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
1008.0	31	10.0	8.9	93	7.14	240	14	282.5	302.3	283.7
1001.0	90	9.0	8.0	93	6.76	249	20	282.1	300.9	283.2
1000.0	98	9.0	8.1	94	6.82	250	21	282.1	301.1	283.3
975.4	305	9.2	8.5	95	7.17	260	27	284.4	304.4	285.6
973.0	325	9.2	8.5	95	7.20	259	27	284.6	304.7	285.8
957.0	464	12.0	10.9	93	8.62	255	31	288.8	313.2	290.2
940.5	610	11.9	10.6	92	8.60	250	34	290.1	314.6	291.6
925.0	749	11.8	10.3	91	8.57	245	33	291.4	315.9	292.9
907.0	914	11.4	9.3	87	8.17	240	31	292.7	316.2	294.1
884.0	1129	11.0	8.0	82	7.67	247	31	294.3	316.7	295.7
874.4	1219	10.4	7.7	83	7.59	250	31	294.6	316.8	296.0
850.0	1455	8.8	6.9	88	7.39	245	31	295.4	317.0	296.7
812.3	1829	6.9	4.4	84	6.51	240	27	297.2	316.5	298.4
784.0	2121	5.4	2.5	82	5.88	235	29	298.6	316.2	299.7
782.8	2134	5.4	2.3	80	5.79	235	29	298.7	316.1	299.7
754.1	2438	4.4	-3.4	57	3.97	235	29	300.9	313.2	301.6
753.0	2450	4.4	-3.6	56	3.91	235	29	301.0	313.1	301.7
744.0	2548	4.0	-2.0	65	4.46	237	28	301.6	315.3	302.4
726.3	2743	2.6	-3.4	65	4.11	240	26	302.1	314.8	302.9
700.0	3041	0.4	-5.6	64	3.62	245	27	302.9	314.2	303.6
699.4	3048	0.3	-5.5	65	3.64	240	25	302.9	314.3	303.6
687.0	3191	-0.7	-3.8	80	4.22	239	25	303.3	316.4	304.1
667.0	3427	-1.3	-14.3	37	1.90	237	26	305.2	311.4	305.6
647.8	3658	-2.4	-18.1	29	1.43	235	27	306.5	311.2	306.7
623.3	3962	-4.0	-23.1	21	0.96	245	27	308.1	311.4	308.3
599.7	4267	-5.5	-28.1	15	0.63	240	28	309.8	312.1	309.9
578.0	4558	-6.9	-32.9	11	0.42	235	30	311.4	312.9	311.5
569.0	4680	-6.5	-41.5	4	0.18	233	31	313.3	313.9	313.3
554.8	4877	-7.5	-40.8	5	0.20	230	33	314.3	315.1	314.4
521.0	5364	-10.1	-39.1	7	0.25	230	33	316.9	317.9	317.0
505.0	5604	-12.3	-38.3	9	0.28	230	33	317.1	318.1	317.1
500.0	5680	-12.9	-25.9	33	0.93	230	33	317.2	320.6	317.4
494.0	5772	-13.7	-21.7	51	1.37	230	34	317.4	322.2	317.6
491.0	5818	-13.9	-29.9	25	0.65	230	35	317.7	320.1	317.8
489.0	5849	-14.1	-19.1	66	1.74	230	35	317.8	323.8	318.1
486.0	5896	-14.3	-33.3	18	0.48	230	36	318.1	319.9	318.2
482.0	5959	-14.7	-41.7	8	0.21	230	37	318.4	319.2	318.4
473.2	6096	-15.9	-40.0	11	0.25	230	39	318.6	319.6	318.6
429.0	6828	-22.1	-31.1	44	0.67	230	44	319.7	322.2	319.9
425.0	6897	-22.7	-29.7	53	0.77	230	44	319.8	322.6	320.0
423.0	6931	-22.5	-26.5	70	1.04	230	44	320.5	324.2	320.7
400.0	7340	-24.9	-28.8	70	0.89	230	47	322.5	325.8	322.7
399.0	7358	-25.1	-28.9	71	0.89	230	47	322.5	325.7	322.7
394.0	7449	-25.5	-39.5	26	0.32	228	47	323.1	324.4	323.2
390.0	7523	-25.7	-32.7	52	0.63	227	46	323.8	326.2	324.0
388.0	7560	-25.9	-44.9	15	0.18	226	46	324.1	324.8	324.1
385.0	7616	-26.1	-48.1	11	0.13	225	46	324.5	325.0	324.5
384.8	7620	-26.1	-47.9	11	0.13	225	46	324.5	325.0	324.5
382.0	7673	-26.7	-44.7	17	0.19	225	46	324.4	325.2	324.5
375.0	7806	-27.1	-32.1	62	0.70	224	47	325.6	328.2	325.8
359.0	8118	-28.9	-34.9	56	0.55	222	48	327.3	329.4	327.4
352.0	8258	-29.7	-45.7	20	0.18	221	48	328.1	328.8	328.1
348.0	8339	-30.5	-49.5	14	0.12	220	49	328.1	328.6	328.1

331.0	8691	-33.7	-41.7	44	0.30	218	50	328.4	329.6	328.5
310.0	9144	-37.7	-43.7	53	0.26	215	52	329.0	330.1	329.1
300.0	9370	-39.7	-44.7	59	0.24	215	52	329.3	330.3	329.3
289.0	9624	-41.9	-45.6	67	0.22	215	52	329.7	330.6	329.7
275.0	9958	-44.7	-48.5	66	0.17	215	52	330.4	331.1	330.4
254.0	10485	-47.5	-52.5	56	0.12	215	53	333.8	334.3	333.8
250.0	10590	-48.1	-54.1	50	0.10	215	53	334.4	334.8	334.4
247.0	10668	-48.8	-54.2	53	0.10	215	52	334.5	334.9	334.6
235.0	10995	-51.7	-54.7	70	0.10	215	53	334.9	335.4	335.0
230.0	11134	-52.3	-58.3	48	0.06	215	54	336.1	336.4	336.1
223.0	11333	-54.1	-58.7	57	0.06	215	54	336.3	336.6	336.3
218.0	11479	-53.7	-67.7	16	0.02	215	55	339.1	339.2	339.1
214.5	11582	-54.6	-66.0	23	0.02	215	55	339.3	339.5	339.4
210.0	11718	-55.7	-63.7	36	0.03	215	54	339.6	339.8	339.6
208.0	11779	-55.5	-61.5	47	0.05	214	53	340.9	341.1	340.9
202.0	11966	-54.3	-82.3	2	0.00	211	50	345.6	345.6	345.6
200.0	12030	-54.3	-69.3	14	0.02	210	49	346.6	346.7	346.6
199.0	12062	-54.5	-68.5	16	0.02	210	49	346.8	346.9	346.8
195.0	12192	-53.8	-71.3	10	0.01	210	50	349.9	350.0	349.9
177.4	12802	-50.6	-84.2	1	0.00	230	46	364.8	364.8	364.8
177.0	12815	-50.5	-84.5	1	0.00	230	46	365.2	365.2	365.2
169.2	13106	-50.5	-84.5	1	0.00	220	36	369.9	370.0	369.9
150.0	13890	-50.3	-84.3	1	0.00	225	34	383.2	383.2	383.2
121.9	15240	-50.8	-84.3	1	0.00	245	20	405.6	405.7	405.6
116.3	15545	-50.9	-84.3	1	0.00	210	17	410.9	410.9	410.9
111.0	15850	-51.0	-84.3	1	0.00	205	21	416.2	416.2	416.2
105.9	16154	-51.2	-84.3	1	0.00	240	17	421.6	421.6	421.6
100.0	16530	-51.3	-84.3	1	0.00	215	7	428.3	428.4	428.3
96.5	16764	-51.2	-84.3	1	0.00	215	7	433.0	433.0	433.0
70.0	18840	-50.1	-84.1	1	0.00	90	3	476.8	476.9	476.8
50.0	21050	-50.9	-84.9	1	0.01			523.1	523.1	523.1

Station information and sounding indices

```

Station identifier: PASY
Station number: 70414
Observation time: 150724/0000
Station latitude: 52.71
Station longitude: 174.10
Station elevation: 31.0
Showalter index: 5.25
Lifted index: 12.28
LIFT computed using virtual temperature: 12.28
SWEAT index: 177.81
K index: 22.60
Cross totals index: 19.80
Vertical totals index: 21.70
Totals totals index: 41.50
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: 281.97
Pres [hPa] of the Lifted Condensation Level: 965.31
Mean mixed layer potential temperature: 284.85
Mean mixed layer mixing ratio: 7.46
1000 hPa to 500 hPa thickness: 5582.00
Precipitable water [mm] for entire sounding: 24.24

```

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

[Close this window](#)

[Select another map](#)

Interested in graduate studies in atmospheric science? Check out our program at the [University of Wyoming](#)

Questions about the weather data provided by this site can be addressed to [Larry Oolman \(ldoolman@uwyo.edu\)](mailto:Larry.Oolman@uwyo.edu)
