

70361 PAYA Yakutat Observations at 12Z 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
1011.0	12	12.8	11.7	93	8.61	120	3	285.1	309.1	286.5
1000.0	106	12.2	10.2	88	7.87	120	11	285.4	307.4	286.7
976.5	305	10.9	8.6	85	7.22	140	15	286.0	306.4	287.3
974.0	327	10.8	8.4	85	7.15	140	15	286.1	306.2	287.3
948.0	552	9.2	8.0	92	7.15	136	13	286.7	306.9	287.9
941.4	610	9.2	7.0	86	6.74	135	13	287.3	306.4	288.4
937.0	649	9.2	6.4	83	6.47	134	13	287.6	306.1	288.8
925.0	756	8.2	6.0	86	6.38	130	12	287.7	305.9	288.8
907.4	914	7.2	5.4	89	6.24	135	11	288.2	306.1	289.3
875.0	1213	5.2	4.3	94	5.98	164	9	289.2	306.4	290.2
874.4	1219	5.2	4.1	93	5.92	165	9	289.2	306.2	290.2
866.0	1298	4.8	1.9	81	5.09	175	9	289.6	304.4	290.5
860.0	1354	5.4	3.0	85	5.55	183	10	290.8	307.0	291.8
850.0	1450	5.2	2.6	83	5.46	195	10	291.6	307.5	292.5
811.5	1829	4.5	1.9	84	5.46	205	9	294.7	310.8	295.6
809.0	1854	4.4	1.9	84	5.46	205	9	294.9	311.0	295.9
788.0	2068	3.2	0.0	80	4.88	205	11	295.8	310.4	296.7
781.6	2134	2.9	0.3	83	5.02	205	12	296.2	311.2	297.1
772.0	2234	2.4	0.7	89	5.24	203	13	296.7	312.4	297.6
753.0	2435	1.0	-1.1	86	4.71	200	15	297.3	311.5	298.1
752.7	2438	1.0	-1.1	86	4.69	200	15	297.3	311.5	298.2
744.0	2532	0.8	-2.8	77	4.20	202	14	298.1	310.9	298.9
734.0	2640	0.2	-1.6	88	4.66	203	14	298.6	312.7	299.4
724.6	2743	-0.6	-2.2	89	4.52	205	13	298.8	312.6	299.6
703.0	2985	-2.5	-3.5	93	4.22	201	14	299.3	312.2	300.1
700.0	3019	-2.9	-4.1	91	4.05	200	14	299.2	311.6	300.0
695.0	3076	-3.5	-5.7	85	3.61	200	15	299.2	310.3	299.9
684.0	3202	-3.5	-7.9	72	3.10	200	17	300.6	310.2	301.1
671.0	3353	-4.5	-9.1	70	2.87	200	19	301.1	310.1	301.6
649.0	3615	-6.3	-11.3	68	2.50	213	16	301.9	309.9	302.4
645.4	3658	-6.3	-12.7	61	2.25	215	15	302.4	309.6	302.8
633.0	3810	-6.5	-17.5	41	1.54	217	16	303.9	308.9	304.1
620.7	3962	-7.4	-18.4	41	1.45	220	16	304.5	309.3	304.8
607.0	4136	-8.5	-19.5	41	1.35	211	15	305.2	309.7	305.5
600.0	4226	-8.7	-29.7	17	0.55	207	14	306.0	307.9	306.1
596.8	4267	-9.0	-27.9	20	0.65	205	14	306.1	308.4	306.2
594.0	4304	-9.3	-26.3	24	0.76	206	15	306.2	308.8	306.3
583.0	4448	-9.3	-30.3	16	0.53	211	18	307.8	309.7	307.9
573.7	4572	-10.0	-29.7	18	0.57	215	20	308.5	310.5	308.6
561.0	4744	-10.9	-28.9	21	0.63	215	19	309.3	311.6	309.5
551.3	4877	-11.5	-31.8	17	0.49	215	18	310.2	312.0	310.3
528.0	5207	-12.9	-38.9	9	0.25	208	22	312.4	313.3	312.4
501.0	5605	-15.7	-41.7	9	0.20	200	27	313.7	314.4	313.7
500.0	5620	-15.9	-41.9	9	0.19	200	27	313.6	314.3	313.6
472.0	6052	-19.7	-35.7	23	0.39	195	29	314.1	315.5	314.2
469.2	6096	-20.1	-36.1	22	0.37	195	29	314.2	315.6	314.2
435.0	6654	-24.7	-41.7	19	0.23	197	29	315.2	316.0	315.2
427.0	6789	-25.9	-34.9	43	0.46	198	29	315.3	317.0	315.4
410.0	7083	-28.7	-36.7	46	0.40	199	29	315.4	316.9	315.4
400.0	7260	-29.1	-34.1	62	0.54	200	29	317.1	319.1	317.2

Station information and sounding indices

Station identifier: PAYA
Station number: 70361
Observation time: 150726/1200
Station latitude: 59.51
Station longitude: -139.67
Station elevation: 12.0
Showalter index: 8.03
Lifted index: 8.42
LIFT computed using virtual temperature: 8.29
SWEAT index: 78.21
K index: 22.50
Cross totals index: 18.50
Vertical totals index: 21.10
Totals totals index: 39.60
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: 281.93
Pres [hPa] of the Lifted Condensation Level: 952.92
Mean mixed layer potential temperature: 285.85
Mean mixed layer mixing ratio: 7.51
1000 hPa to 500 hPa thickness: 5514.00
Precipitable water [mm] for entire sounding: 21.62

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)
