

04018 BIKF Keflavikurflugvollur Observations at 12Z 23 Aug 2009

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	K
1000.0	-11									
994.0	54	12.6	6.6	67	6.18	130	13	286.2	303.8	287.3
993.0	62	12.5	6.5	67	6.17	45	10	286.3	303.8	287.3
944.0	473	9.3	4.2	71	5.52	95	26	287.1	303.0	288.1
925.0	638	8.0	3.3	72	5.27	100	30	287.5	302.6	288.4
876.0	1085	4.0	2.8	92	5.37	118	41	287.8	303.3	288.8
857.0	1263	3.7	3.2	97	5.67	125	45	289.3	305.7	290.3
850.0	1330	3.6	3.4	99	5.78	125	44	289.9	306.6	290.9
847.0	1359	3.6	3.6	100	5.88	126	43	290.2	307.2	291.2
806.0	1761	3.0	0.8	86	5.07	135	35	293.7	308.7	294.6
804.0	1781	3.0	0.7	85	5.03	135	35	293.9	308.8	294.8
710.0	2778	-2.5	-7.3	70	3.13	115	29	298.5	308.1	299.0
700.0	2890	-3.1	-6.9	75	3.27	115	30	299.0	309.1	299.6
634.0	3667	-9.1	-10.2	92	2.79	106	33	300.8	309.5	301.3
630.0	3716	-9.4	-10.8	90	2.68	105	33	301.0	309.4	301.5
608.0	3991	-11.1	-14.2	78	2.11	107	32	302.1	308.8	302.5
603.0	4055	-11.1	-18.1	56	1.53	107	32	302.8	307.8	303.1
559.0	4633	-15.9	-19.3	75	1.49	111	30	303.8	308.7	304.0
551.0	4741	-16.5	-24.5	50	0.96	111	30	304.3	307.6	304.5
545.0	4824	-16.1	-46.1	6	0.11	112	30	305.7	306.2	305.8
508.0	5351	-18.7	-43.8	9	0.16	115	28	308.8	309.4	308.8
500.0	5470	-19.3	-43.3	10	0.17	125	30	309.4	310.1	309.5
458.0	6103	-24.1	-47.7	9	0.11	135	36	311.3	311.8	311.3
400.0	7080	-31.5	-54.5	8	0.06	130	30	314.0	314.2	314.0
373.0	7571	-35.3	-57.3	9	0.04	132	33	315.3	315.4	315.3
316.0	8704	-44.9	-55.9	28	0.06	138	39	317.2	317.5	317.2
300.0	9050	-47.7	-57.7	31	0.05	140	41	318.0	318.2	318.0
287.0	9341	-50.1	-58.1	38	0.05	137	42	318.6	318.9	318.6
264.0	9880	-53.5	-62.3	33	0.03	130	45	321.3	321.4	321.3
258.0	10029	-54.5	-63.5	32	0.03	135	45	322.0	322.1	322.0
250.0	10230	-54.3	-64.3	28	0.03	130	44	325.2	325.3	325.2
237.0	10574	-53.0	-68.1	14	0.02	145	29	332.2	332.3	332.2
223.0	10966	-51.5	-72.5	6	0.01	119	19	340.3	340.4	340.3
221.0	11024	-51.8	-73.2	6	0.01	115	17	340.7	340.7	340.7
217.0	11142	-52.5	-74.5	5	0.01	105	19	341.5	341.5	341.5
212.0	11293	-53.3	-76.3	4	0.01	116	20	342.4	342.5	342.4
208.0	11416	-52.4	-77.3	3	0.00	125	21	345.8	345.8	345.8
202.0	11606	-51.0	-79.0	2	0.00	120	27	350.9	350.9	350.9
200.0	11670	-50.5	-79.5	2	0.00	130	26	352.6	352.7	352.6
196.0	11803	-48.9	-79.8	2	0.00	140	27	357.3	357.3	357.3
192.0	11939	-47.2	-80.1	1	0.00	155	24	362.1	362.1	362.1
190.0	12008	-46.3	-80.3	1	0.00	154	22	364.6	364.6	364.6
180.0	12368	-46.4	-80.7	1	0.00	150	14	370.1	370.1	370.1
175.0	12555	-46.5	-80.9	1	0.00	135	13	372.9	372.9	372.9
168.0	12827	-46.6	-81.1	1	0.00	155	11	377.1	377.1	377.1

163.0	13027	-46.7	-81.3	1	0.00	130	7	380.3	380.3	380.3
151.0	13536	-46.9	-81.9	1	0.00	145	12	388.3	388.4	388.3
150.0	13580	-46.9	-81.9	1	0.00	155	13	389.0	389.1	389.0
149.0	13624	-46.9	-81.9	1	0.00	155	12	389.8	389.8	389.8
145.0	13805	-46.9	-81.9	1	0.00	135	12	392.9	392.9	392.9
140.0	14038	-46.9	-81.9	1	0.00	160	12	396.8	396.9	396.8
136.0	14230	-46.9	-81.8	1	0.00	150	11	400.2	400.2	400.2
130.0	14529	-46.8	-81.8	1	0.00	180	11	405.4	405.4	405.4
126.0	14737	-46.8	-81.8	1	0.00	160	11	409.1	409.1	409.1
123.0	14897	-46.8	-81.8	1	0.00	180	10	411.9	411.9	411.9
115.0	15343	-46.8	-81.8	1	0.00	150	10	420.0	420.0	420.0
112.0	15518	-46.8	-81.8	1	0.00	165	10	423.2	423.2	423.2
100.0	16270	-46.7	-81.7	1	0.01	150	8	437.2	437.2	437.2
91.4	16866	-47.5	-81.5	1	0.01	141	10	447.0	447.0	447.0
90.0	16968	-47.3	-81.5	1	0.01	140	10	449.3	449.3	449.3
87.0	17194	-47.0	-81.3	1	0.01	160	11	454.4	454.4	454.4
84.0	17427	-46.6	-81.2	1	0.01	140	11	459.7	459.8	459.7
77.0	18006	-45.7	-81.0	1	0.01	165	15	473.2	473.2	473.2
76.0	18093	-45.6	-81.0	1	0.01	155	14	475.2	475.3	475.2
74.0	18270	-45.3	-80.9	1	0.01	170	11	479.5	479.5	479.5
72.0	18453	-45.0	-80.8	1	0.01	145	10	483.8	483.9	483.9
71.0	18546	-44.9	-80.7	1	0.01	160	10	486.1	486.2	486.1
70.0	18640	-44.7	-80.7	1	0.01	165	9	488.4	488.4	488.4
67.0	18931	-46.0	-81.0	1	0.01	100	1	491.8	491.9	491.8
64.0	19235	-47.3	-81.3	1	0.01	117	8	495.4	495.4	495.4
61.0	19553	-47.1	-81.3	1	0.01	135	15	502.7	502.8	502.7
57.0	20002	-46.7	-81.2	1	0.01	150	11	513.3	513.4	513.3
54.0	20360	-46.5	-81.2	1	0.01	175	13	521.9	522.0	521.9
53.0	20484	-46.4	-81.2	1	0.01	170	11	524.9	525.0	524.9
52.0	20610	-46.3	-81.1	1	0.01	140	10	528.0	528.1	528.0
50.0	20870	-46.1	-81.1	1	0.01	155	13	534.4	534.5	534.4
49.0	21005	-45.9	-80.9	1	0.01	165	13	537.9	538.0	537.9
43.4	21815	-44.9	-79.9	1	0.02	153	13	559.4	559.5	559.4
40.0	22358	-45.7	-80.4	1	0.02	145	13	570.5	570.6	570.5
38.0	22699	-46.2	-80.7	1	0.02	200	10	577.6	577.7	577.6
35.0	23247	-47.1	-81.2	1	0.02	85	10	589.1	589.3	589.1
34.0	23440	-47.4	-81.4	1	0.02	130	12	593.3	593.4	593.3
33.6	23518	-47.5	-81.5	1	0.02	123	11	595.0	595.1	595.0
30.0	24270	-46.5	-81.5	1	0.02	55	4	617.2	617.4	617.3
28.8	24540	-47.3	-81.3	1	0.02	76	8	622.3	622.5	622.3
28.0	24728	-46.7	-81.0	1	0.02	90	10	628.9	629.1	628.9
27.0	24971	-46.0	-80.7	1	0.02	120	12	637.5	637.7	637.5
25.0	25484	-44.5	-80.0	1	0.03	80	10	656.0	656.3	656.1
24.0	25756	-43.7	-79.6	1	0.03	110	8	666.1	666.4	666.1
23.8	25812	-43.5	-79.5	1	0.03			668.2	668.5	668.2

Station information and sounding indices

Station identifier: BIKF
 Station number: 4018
 Observation time: 090823/1200
 Station latitude: 63.96
 Station longitude: -22.60
 Station elevation: 54.0

Showalter index: 5.22
Lifted index: 7.45
LIFT computed using virtual temperature: 7.35
SWEAT index: 158.79
K index: 22.50
Cross totals index: 22.70
Vertical totals index: 22.90
Totals totals index: 45.60
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: 277.15
Pres [hPa] of the Lifted Condensation Level: 887.66
Mean mixed layer potential temperature: 286.77
Mean mixed layer mixing ratio: 5.79
1000 hPa to 500 hPa thickness: 5481.00
Precipitable water [mm] for entire sounding: 18.83

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