

Summary of Monthly Normals
1991-2020

Generated on 06/04/2024

Current Location: Elev: 2096 ft. Lat: 48.4036° N Lon: 115.5392° W

Station: LIBBY 1 NE RS, MT US USC00245015

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	34.4	21.5	27.9	3.7	5.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	838.5	900.5	993.5	1148.5	0.0	0.0	0.3	10.4	29.1	2.2
02	40.9	22.2	31.5	4.4	4.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	656.4	712.4	796.5	936.5	0.0	0.0	2.4	3.0	26.0	1.1
03	51.8	26.8	39.3	3.8	2.6	2.8	0.3	0.1	0.0	0.0	0.0	0.0	487.0	548.9	641.7	796.7	0.0	0.0	19.3	0.8	24.9	0.1
04	61.5	31.7	46.6	3.1	1.8	2.1	8.8	4.6	1.4	0.1	0.0	0.0	260.7	316.5	403.4	552.1	0.0	0.0	27.9	0.0	17.6	0.0
05	72.6	38.7	55.6	3.8	1.8	2.5	97.4	68.8	37.1	9.4	1.1	0.4	77.4	110.8	172.0	299.3	0.0	1.1	31.0	0.0	7.9	0.0
06	79.6	45.4	62.5	3.3	1.9	2.3	232.7	181.1	114.9	44.3	11.6	5.7	7.7	16.1	39.9	119.3	0.2	3.9	30.0	0.0	0.7	0.0
07	89.3	49.2	69.2	4.7	2.1	2.9	442.1	381.0	292.0	159.2	63.1	38.1	0.6	1.5	5.3	27.6	3.0	15.9	31.0	0.0	0.0	0.0
08	89.5	47.4	68.5	2.9	2.1	1.9	417.5	356.8	269.6	141.8	52.4	31.0	0.8	2.0	7.8	35.0	2.4	15.9	31.0	0.0	0.1	0.0
09	77.6	40.9	59.2	4.4	2.8	2.4	163.5	123.4	74.2	24.5	4.9	2.3	36.2	56.1	96.8	197.1	0.3	4.5	30.0	0.0	3.5	0.0
10	58.5	33.8	46.2	3.2	3.5	2.3	12.6	6.8	2.2	0.0	0.0	0.0	287.0	343.1	431.5	584.4	0.0	0.0	25.6	0.1	12.9	0.0
11	41.1	28.3	34.7	2.9	3.7	3.2	0.2	0.1	0.0	0.0	0.0	0.0	609.1	669.0	759.0	909.0	0.0	0.0	3.0	3.5	21.6	0.4
12	32.8	21.8	27.3	2.9	3.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	858.4	920.4	1013.5	1168.5	0.0	0.0	0.3	13.4	29.2	1.0
Summary	60.8	34.0	47.4	3.6	3.0	2.9	1375	1123	791	379	133	78	4120	4597	5361	6774	5.9	41.3	231.8	31.2	173.5	4.8

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	1.92	14.3	5.8	0.6	0.0	1.29	1.73	2.55	
02	1.29	10.0	3.5	0.3	0.0	0.82	1.11	1.70	
03	1.73	11.9	5.5	0.5	0.1	0.89	1.31	2.08	
04	1.14	9.8	3.5	0.4	0.0	0.46	0.96	1.55	
05	1.66	10.4	4.2	0.6	0.1	0.98	1.50	2.05	
06	2.04	11.6	5.0	1.1	0.2	1.13	1.68	3.02	
07	0.91	6.8	2.8	0.4	0.1	0.29	0.70	1.22	
08	0.74	5.3	1.9	0.3	0.0	0.18	0.54	1.00	
09	1.09	7.2	3.4	0.3	0.0	0.46	1.04	1.37	
10	1.82	10.1	4.4	0.7	0.0	0.99	1.68	2.38	
11	2.29	13.4	6.9	0.8	0.0	1.38	2.01	3.03	
12	2.52	14.0	7.7	1.2	0.2	1.80	2.41	2.92	
Summary	19.15	124.8	54.6	7.2	0.7	10.67	16.67	24.87	

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	11.80	7.2	4.8	1.2	0.3	0.0	29.6	27.7	22.1	8.7	6.40	9.90	12.00
02	5.40	4.6	2.5	0.6	0.1	0.0	21.6	20.2	16.3	6.5	0.10	4.50	8.20
03	3.80	2.2	1.5	0.4	0.2	0.0	10.3	8.7	7.1	3.3	0.00	1.80	5.40
04	0.20	0.1	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.30	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
11	6.30	2.3	1.9	0.8	0.3	0.0	6.3	3.5	1.9	0.9	0.00	4.30	9.80
12	20.40	7.7	5.6	1.7	0.8	0.1	24.9	20.0	13.5	5.5	8.30	16.70	30.10
Summary	48.2	24.2	16.5	4.7	1.7	0.1	93.2	80.5	61.2	24.9	14.8	37.2	65.5

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	1.0	3.3	64.6	207.3	485.0	675.1	906.0	881.3	577.2	211.6	24.8	1.0
45	0.0	0.4	15.2	95.3	333.6	525.0	751.6	726.8	428.8	103.9	5.7	0.0
50	0.0	0.1	2.2	33.7	198.0	375.6	596.8	572.0	286.8	40.8	0.9	0.0
55	0.0	0.0	0.3	8.8	97.4	232.7	442.1	417.5	163.5	12.6	0.2	0.0
60	0.0	0.0	0.0	1.4	37.1	114.9	292.0	269.6	74.2	2.2	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.4	4.2	67.1	176.1	346.6	436.6	551.9	546.6	398.0	146.6	8.0	0.3

Growing Degree Units (Accumulated Monthly)												
40	1	4	69	276	761	1436	2342	3224	3801	4012	4037	4038
45	0	0	16	111	444	970	1721	2448	2877	2981	2986	2986
50	0	0	2	36	234	610	1206	1778	2065	2106	2107	2107
55	0	0	0	9	106	339	781	1199	1362	1375	1375	1375
60	0	0	0	1	38	153	445	715	789	791	791	791
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	0	5	72	248	594	1031	1583	2130	2528	2674	2682	2682

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.

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