



TULLY DAM  
Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1949	29.1	20.2	28.2	42.4	56.3	65.3	71.9	69.7	58.0	53.5	37.5	28.1	46.2
1950	26.8	29.9	35.8	46.8	57.9	63.7	68.5	66.9	56.8	52.0	41.4	27.5	46.2
1951	27.2	28.3	33.9	47.3	51.9	65.7	71.1	67.3	51.8	44.4	27.8	47.7	47.2
1952	26.7	28.6	34.4	45.4	57.5	66.8	68.8	66.3	51.1	50.4	40.5	31.5	48.0
1953	26.7	28.6	34.4	45.4	57.5	66.8	68.8	66.3	51.1	50.4	40.5	31.5	48.0
1954	26.7	28.6	34.4	45.4	57.5	66.8	68.8	66.3	51.1	50.4	40.5	31.5	48.0
1955	21.7	24.5	31.6	45.6	58.9	62.7	72.6	70.4	57.1	48.1	36.0	18.7	45.6
1956	24.3	23.6	27.1	38.9	49.3	65.1	65.3	65.4	54.0	46.9	37.1	28.7	43.8
1957	13.7	26.8	33.7	47.0	54.3	67.6	67.6	63.5	59.5	47.2	39.8	31.8	46.0
1958	22.1	16.3	35.2	45.8	51.8	59.9	68.7	66.2	58.5	46.1	37.6	15.8	43.7
1959	19.7	18.8	31.2	45.9	58.2	63.3	71.0	69.3	61.7	49.4	37.8	28.6	46.2
1960	22.0	27.4	25.2	46.1	57.4	63.9	66.7	65.8	58.4	46.6	39.3	17.8	44.7
1961	12.1	22.2	32.4	41.6	52.3	64.6	68.1	66.7	65.6	50.0			

TULLY DAM  
Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1949	4.73	3.57	2.57	3.18	3.48	4.00	3.22	1.67	4.48	2.31	2.00	2.71	42.75
1950	2.58	5.18	4.77	3.65	2.86	4.49	2.31	2.93	1.35	1.96	8.29	4.38	54.28
1951	4.96	2.58	2.77	3.93	6.08	5.40	2.83	5.02	3.88	6.60	3.27	2.99	39.93
1952	6.21	2.75	6.99	5.19	4.26	3.78	3.21	1.69	1.38	6.60	3.27	5.11	51.62
1953	2.66	2.17	3.39	4.26	4.99	3.66	3.78	3.21	7.40	2.02	4.96	3.08	45.54
1954	.72	3.82	3.33	4.16	1.46	4.97	3.54	10.70	2.83	7.14	3.91	.84	47.42
1955	3.61	3.87	2.48	1.42	1.98	2.10	1.02	5.23	1.58	1.58	3.80	4.36	36.09
1956	2.39	1.11	2.48	2.29	6.05	3.50	1.94	1.22	1.72	1.31	4.47	7.15	33.86
1957	6.44	1.98	2.97	4.20	1.41	5.47	2.89	3.82	2.21	3.66	3.66	1.43	39.62
1958	3.90	2.43	4.16	3.92	3.19	3.90	3.75	1.77	10.62	10.62	6.38	3.38	49.13
1959	3.34	3.45	2.94	5.30	3.88	5.33	6.17	5.61	7.75	2.78	2.58	2.84	51.97
1960	2.30	2.85	2.52	2.99	3.25	3.09	4.09	4.32	2.56	2.01			
1961													

Wind and Other Factors in Orange Airport Area of Interest to  
Sixth World Parachuting Championship

The following discussion is based upon available August and September meteorological observations at stations near Orange. The direction of the surface wind has a predominately westerly component. Southwest is the most frequent single direction. The wind velocity is between 2 to 4 meters per second (4-9 mph) most of the time. The average speed falls within this range. Bright sunshine is expected 55 to 60% of the possible time. Average cloudiness, of all types, represents 5 to 6 tenths of the sky covered.

At 3000 meters above mean sea level, or about 9000 feet above the surface, the prevailing wind is from the NW. This direction is observed about 21% of the time. The direction two-thirds of the time is from the quadrant which includes the MSW to NW directions. The average speed from these directions is about 2 meters per second or 21 mph. The average wind speed for most of the less frequent other directions is much lighter and is as low as 3 meters per second for some easterly directions.

The following table contains the average August temperatures, with the standard deviation of daily temperature from the monthly mean, for the indicated barometric pressure surfaces for Albany, N. Y. These should not vary significantly from those at Orange. The approximate average heights above mean sea level for these surfaces are also shown.

Pressure (millibars)	Height Above Mean Sea Level		Temperature	
	(Meters)	(Feet)	(°C)	(°F)
950	570	1870	17.6	63.7
900	1030	3380	15.2	59.4
850	1510	4970	12.4	54.3
800	2020	6630	9.6	49.3
750	2560	8400	7.2	45.0

ORANGE AIRPORT

SUNRISE and SUNSET - E. D. S. T.

Day	AUG. Rise	Set	SEPT. Rise	Set
1	5:41	8:09	6:14	7:24
2	5:42	8:08	6:15	7:22
3	5:43	8:07	6:16	7:20
4	5:44	8:06	6:17	7:19
5	5:45	8:04	6:18	7:17
6	5:46	8:03	6:19	7:15
7	5:47	8:02	6:20	7:13
8	5:48	8:00	6:21	7:12
9	5:49	7:59	6:22	7:10
10	5:50	7:58	6:23	7:08
11	5:51	7:56	6:24	7:06
12	5:52	7:55	6:25	7:05
13	5:54	7:54	6:26	7:03
14	5:55	7:52	6:28	7:01
15	5:56	7:51	6:29	6:59
16	5:57	7:49	6:30	6:58
17	5:58	7:48	6:31	6:56
18	5:59	7:46	6:32	6:54
19	6:00	7:45	6:33	6:52
20	6:01	7:43	6:34	6:50
21	6:02	7:42	6:35	6:49
22	6:03	7:40	6:36	6:47
23	6:04	7:38	6:37	6:45
24	6:05	7:37	6:38	6:43
25	6:06	7:35	6:39	6:42
26	6:07	7:34	6:40	6:40
27	6:08	7:32	6:41	6:38
28	6:10	7:30	6:43	6:36
29	6:11	7:29	6:44	6:35
30	6:12	7:27	6:45	6:33
31	6:13	7:25		

HISTORY OF WEATHER OBSERVATIONS AT TULLY DAM

Official weather observations began July 1, 1949, at the U. S. Corps of Engineers' Tully Dam. During the entire period observations have been under the direction of Mr. Harold H. Small, Supt. The immediate surroundings are mostly lightly wooded. The instrument shelter is over sod on level ground, though some sloping ground is nearby.