

CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: TAHOE VALLEY AP TVL CALIFORNIA Station Number: 048762

Latitude: 38 B 53 * 43 (Longitude: -119 B 59 * 53 (Elevation (feet): 625

Climate Division: CA 03 Northeast Interior Basins

14 44 16 30 35 0 0.00 1 42 14 28 27 38 0 0.00 1 42 16 29 36 0 0.00 1 3 42 16 29 36 0 0.00 1 3 43 16 30 35 0 0.00 3 42 16 29 36 0 0.00 1 3 43 16 30 35 0 0.00 3 42 16 29 36 0 0.00 1 3 43 16 30 35 0 0.00 3 42 16 29 36 0 0.00 1 4 43 16 28 37 0 0.00 1 5 42 16 29 36 0 0.00 1 5 43 18 18 18 18 18 18 18 18 18 18 18 18 18			DE	CEMBE	_						st Int						EF	DDIIAD		-90	1 of 3
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26 47 24 36 29 0 0.00 26 56 28 42 23 0 0.00 26 64 34 49 16 0 0.00 27 48 24 36 29 0 0.00 27 56 28 42 23 0 0.00 27 64 34 49 16 0 0.00 28 48 24 36 29 0 0.00 28 56 28 42 23 0 0.00 28 65 34 49 16 0 0.00 29 48 24 36 29 0 0.00 29 56 29 42 23 0 0.00 29 65 34 50 15 0 0.00 30 48 24 36 29 0 0.00 30 57 29 43 22 0 0.00 30 65 34 50 15 0 0.00 31 49 25 37 28 0 0.00 MTH: 52.7 26.4 39.6 764 0 0.00 MTH: 61.1 31.9 46.5 574 0 0.00	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	44 44 44 45 45 45 45 45 46 46 46 46 47	21 21 21 22 22 22 22 22 22 23 23 23 23 23 23 23	32 33 33 33 33 33 34 34 34 34 35 35 35	33 33 32 32 32 32 31 31 31 31 31 30 30		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	50 50 51 51 51 52 52 53 53 53 54 54 54 55	25 25 25 25 26 26 26 26 26 26 27 27 27 27 27	38 38 38 38 38 39 39 39 39 40 40 40 40 40 41 41 41	27 27 27 27 26 26 26 26 25 25 25 25 25 24 24	0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	58 58 59 59 60 60 60 61 61 61 62 62 62 63 63	30 30 30 31 31 31 31 32 32 32 32 32 33 33 33 33 33	44 44 45 45 45 46 46 46 47 47 47 47 48 48	21 21 21 20 20 20 20 19 19 19 19 18 18 18 18 17 17	0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
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	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	44 44 44 45 45 45 45 45 46 46 46 47 47 47 48 48 48 49	21 21 21 22 22 22 22 22 23 23 23 23 23 23 24 24 24 24 24 24 24 24 25	32 33 33 33 33 33 34 34 34 34 35 35 35 35 35 35 36 36 36 36 36 37	33 33 32 32 32 31 31 31 31 30 30 30 30 30 29 29 29 29 29 29 29 28 960		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	50 50 51 51 51 52 52 53 53 53 54 54 54 55 55 55 56 56 56 57	25 25 25 25 26 26 26 26 26 27 27 27 27 27 27 27 27 28 28 28 28 29 29	38 38 38 38 38 39 39 39 39 40 40 40 40 41 41 41 41 42 42 42 42 42 43	27 27 27 27 26 26 26 26 25 25 25 25 25 24 24 24 24 23 23 23 23 23 27		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	58 58 59 59 60 60 60 61 61 61 62 62 62 63 63 63 64 64 65 65 65 65	30 30 30 31 31 31 31 32 32 32 32 32 33 33 33 33 33 34 34 34 34 34 35	44 44 44 45 45 45 46 46 46 47 47 47 47 47 48 48 48 49 49 49 50 50 50 50 50 50 50 50 50 50 50 50 50	21 21 21 20 20 20 20 19 19 19 19 19 17 17 17 17 17 16 16 16 15 15		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0



CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: TAHOE VALLEY AP TVL CALIFORNIA Station Number: 048762

Latitude: 38 B 53 * 43 (Longitude: -119 B 59 * 53 (Elevation (feet): 6254

Climate Division: CA 03 Northeast Interior Basins Page 2 of 3

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Data	NAAV	NAINI	JUNE	LIDD	CDD	DDCD	D-4-	NAAV	NAINI	JULY	LIDD	CDD	DDCD	Data	MAX		AUGUST		CDD	DDCD
Date	MAX	MIN	AVG	HDD		PRCP		MAX	MIN	AVG					MAX	MIN				PRCP
1 2	66 66	35 35	50 50	15 14	0	0.00	1 2	75 76	39 39	57 57	8	0	0.00	1 2	80 80	40 40	60 60	6 6	0 1	0.00
3	66	35	51	14	0	0.00	3	76	39	58	8	0	0.00	3	80	40	60	6	1	0.00
4	67	35	51	14	0	0.00	4	76	39	58	7	0	0.00	4	80	40	60	6	1	0.00
5	67	35	51	14	0	0.00	5	77	39	58	7	0	0.00	5	80	40	60	6	1	0.00
6	67	35	51	14	0	0.00	6	77	39	58	7	0	0.00	6	80	40	60	6	1	0.00
7	68	36	52	13	0	0.00	7	77	40	58	7	0	0.00	7	80	40	60	6	1	0.00
8	68	36	52	13	0	0.00	8	77	40	58	7	0	0.00	8	80	40	60	6	1	0.00
9	68	36	52	13	0	0.00	9	78	40	59	7	0	0.00	9	80	40	60	6	1	0.00
10	69	36	52	13	0	0.00	10	78	40	59	7	0	0.00	1	80	39	60	6	1	0.00
11	69	36	53	12	0	0.00	11	78	40	59	6	0	0.00		80	39	59	6	1	0.00
12	69	36	53	12	0	0.00	12	78	40	59	6	0	0.00	12	79	39	59	6	1	0.00
13	70 70	37 37	53	12 12	0	0.00	13	79 79	40	59 59	6	0	0.00		79	39 39	59 59	6	1	0.00
14	70	37	53 54	11	0		14 15	79 79	40 40	59 59	6 6	0	0.00	14	79 79	39	59 59	7 7	1 1	0.00
16	71	37	54	11	0	0.00	16	79	40	60	6	0		16	79	39	59	7	1	0.00
17	71	37	54	11	0	0.00	17	79	40	60	6	0	0.00	1	79	39	59	7	1	0.00
18	71	37	54	11	0	0.00	1	79	40	60	6	0	0.00	1	79	38	59	7	1	0.00
19	72	37	54	11	0	0.00	1	80	40	60	6	0	0.00	1	79	38	58	7	1	0.00
20	72	37	55	10	0	0.00	1	80	40	60	6	*	0.00	1	78	38	58	7	1	0.00
21	72	38	55	10	0	0.00	21	80	40	60	6	*	0.00	1	78	38	58	8	1	0.00
22	72	38	55	10	0	0.00	22	80	40	60	6	*	0.00	22	78	38	58	8	1	0.00
23	73	38	55	10	0	0.00	23	80	40	60	5	*	0.00		78	38	58	8	1	0.00
24	73	38	56	10	0	0.00	24	80	40	60	5	*	0.00	24	78	37	58	8	0	0.00
25	73	38	56	9	0	0.00	25	80	40	60	5	*	0.00		78	37	57	8	0	0.00
26	74	38	56	9	0	0.00	26	80	40	60	5	*	0.00	1	77	37	57	8	0	0.00
27	74	38	56	9	0	0.00	27	80	40	60	5	*	0.00		77	37	57	9	0	0.00
28	74	38	56	9	0	0.00	28	80	40	60	5	*	0.00		77	37	57	9	0	0.00
29	75 75	39	57	8	0	0.00	29	80	40	60	5	*	0.00	29	77	36	57	9	0	0.00
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1	76	MIN 36	AVG 56	ER HDD	CDD	PRCP	1	67	MIN 29	AVG 48	HDD 17	0	0.00	1	55	MIN 23	AVG 39	HDD 26	0	0.00
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1 2 3 4 5 6 7 8	76 76 75 75 75 75 74 74	MIN 36 36 35 35 35 35 34 34 34	56 56 55 55 55 55 54 54	10 10 10 10 10 10 11 11 11	CDD * * * * 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8	67 67 67 67 66 66 65 65	MIN 29 29 28 28 28 28 28 27 27	48 48 48 47 47 47 47 46 46	17 17 17 18 18 18 18 19	0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8	55 54 54 53 53 52 52 51	MIN 23 22 22 22 22 22 22 21 21	AVG 39 38 38 37 37 37 36 36	HDD 26 27 27 27 28 28 28 29 29	0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00
1 2 3 4 5 6 7 8 9	76 75 75 75 75 74 74 74	MIN 36 36 35 35 35 35 34 34 34 34 34	AVG 56 55 55 55 54 54 54 54	HDD 10 10 10 10 11 11 11 11 11 12	* * * * 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9	67 67 67 67 66 66 65 65 65	MIN 29 29 28 28 28 28 28 27 27	48 48 48 47 47 47 47 46 46 46	HDD 17 17 17 18 18 18 18 19 19	0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9	55 54 54 53 53 52 52 51 51	MIN 23 22 22 22 22 22 22 21 21 21	AVG 39 38 38 37 37 37 36 36 36	HDD 26 27 27 27 28 28 28 29 29	0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
1 2 3 4 5 6 7 8 9 10	76 75 75 75 75 74 74 74 74	MIN 36 36 35 35 35 35 34 34 34 34 34	AVG 56 55 55 55 54 54 54 54	HDD 10 10 10 10 11 11 11 11 12 12 12	CDD * * * * 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9 10	67 67 67 67 66 65 65 65 64	MIN 29 29 28 28 28 28 27 27 27	48 48 48 47 47 47 47 46 46 46	HDD 17 17 17 18 18 18 18 19 19 19	0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9 10	55 54 54 53 53 52 52 51 51 51	MIN 23 22 22 22 22 22 21 21 21 21	AVG 39 38 38 37 37 37 36 36 36 36	HDD 26 27 27 27 28 28 28 29 29 30	0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
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1 2 3 4 5 6 7 8 9 10 11 12 13	76 76 75 75 75 75 74 74 74 74 73 73	MIN 36 36 35 35 35 34 34 34 34 33 33 33	AVG 56 55 55 55 54 54 54 54 54 53 53 53 53	ER HDD 10 10 10 10 10 11 11 11 11 12 12 12	CDD * * * * 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	67 67 67 66 66 65 65 64 64 63 63	MIN 29 28 28 28 28 27 27 27 27 26	AVG 48 48 48 47 47 47 47 46 46 46 45 45	HDD 17 17 18 18 18 18 19 19 20 20 20 21	0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	55 54 54 53 53 52 52 51 51 50 49	MIN 23 22 22 22 22 22 21 21 21 21 21 20	AVG 39 38 38 37 37 36 36 36 35 35	HDD 26 27 27 27 28 28 28 29 29 29 30 30 30	0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14	76 76 75 75 75 74 74 74 73 73 73 72 72	MIN 36 36 35 35 35 34 34 34 34 34 33 33	AVG 56 55 55 55 54 54 54 54 54 53 53	ER HDD 10 10 10 10 11 11 11 11 12 12 12 12 12 13	CDD * * * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	67 67 67 66 66 65 65 64 64 64 63	MIN 29 29 28 28 28 28 27 27 27 27 26 26 26	AVG 48 48 48 47 47 47 46 46 46 45 45 45 45	HDD 17 17 17 18 18 18 18 19 19 20 20 20	0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	55 54 54 53 53 52 52 51 51 50 50 49 49	MIN 23 22 22 22 22 22 21 21 21 21 21 20 20 20	AVG 39 38 38 37 37 36 36 36 36 35 35 35	HDD 26 27 27 27 28 28 28 29 29 30 30 30 30 31	0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	76 76 75 75 75 74 74 74 73 73 73 72 72 72	MIN 36 36 35 35 35 34 34 34 34 33 33 33 33	AVG 56 55 55 55 55 54 54 54 54 53 53 53 53 52 52	ER HDD 10 10 10 10 11 11 11 11 12 12 12 12 12 13 13	CDD * * * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	67 67 67 66 66 65 65 64 64 63 63 62	MIN 29 29 28 28 28 28 27 27 27 27 27 26 26 26 26	AVG 48 48 48 47 47 47 46 46 46 45 45 45 45 44	HDD 17 17 18 18 18 18 19 19 20 20 20 20 21 21 21 22	0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	55 54 54 53 53 52 52 51 51 50 50 49 49 49	MIN 23 22 22 22 22 22 21 21 21 21 21 20 20 20 20	AVG 39 38 38 38 37 37 37 36 36 36 35 35 35 34	HDD 26 27 27 27 28 28 28 29 29 30 30 30 30 31 31	0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	76 76 75 75 75 74 74 74 73 73 73 72 72 72 71 71	MIN 36 36 35 35 35 34 34 34 34 33 33 33 32 32 32 32	AVG 56 55 55 55 55 54 54 54 54 53 53 53 53 52 52 52 52 51	ER HDD 10 10 10 10 11 11 11 11 12 12 12 12 12 13 13 13 13 14	CDD * * * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	67 67 67 66 66 65 65 64 64 64 63 62 62 62 61 61	MIN 29 29 28 28 28 28 27 27 27 27 26 26 26 26 26 25 25	AVG 48 48 48 47 47 47 47 46 46 45 45 45 45 45 44 44 43 43	HDD 17 17 18 18 18 18 19 19 20 20 20 21 21 21 22 22	0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 17 18	55 54 54 53 53 52 52 51 51 50 50 49 49 48 48 48 48	MIN 23 22 22 22 22 22 21 21 21 21 20 20 20 20 19 19	AVG 39 38 38 38 37 37 37 36 36 36 35 35 34 34 34 33 33	26 27 27 27 28 28 28 29 29 29 30 30 30 30 31 31 31 32 32	0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	76 76 75 75 75 74 74 74 73 73 73 72 72 72 72 71 71	MIN 36 36 35 35 35 34 34 34 34 33 33 33 32 32 32 32 31	AVG 56 55 55 55 54 54 54 54 53 53 53 52 52 52 52 51 51	ER HDD 10 10 10 10 11 11 11 11 11 12 12 12 12 13 13 13 13 14 14	CDD * * * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	67 67 67 66 66 65 65 64 64 64 63 62 62 61 61	MIN 29 29 28 28 28 28 27 27 27 27 26 26 26 26 26 25 25	AVG 48 48 48 47 47 47 46 46 45 45 45 45 45 45 45 43 43 43	HDD 17 17 18 18 18 18 19 19 20 20 21 21 21 22 22 22	0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	55 54 54 53 53 52 52 51 51 50 50 49 49 48 48 48 47 47	MIN 23 22 22 22 22 22 21 21 21 21 20 20 20 19 19 19	AVG 39 38 38 38 37 37 36 36 36 35 35 35 34 34 34 33 33	26 27 27 27 28 28 28 29 29 30 30 30 30 31 31 31 32 32 32	0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	76 76 75 75 75 74 74 74 73 73 73 72 72 72 72 71 71 71	MIN 36 36 35 35 35 34 34 34 34 33 33 33 33 33 33 31 31 31	56 56 55 55 55 55 54 54 54 54 53 53 53 52 52 52 52 51 51	ER HDD 10 10 10 10 11 11 11 11 12 12 12 12 13 13 13 13 14 14 14	CDD * * * * * 0 0 0 0 0 0 0 0 0 0 0 0 0	PRCP 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	67 67 67 66 66 65 65 65 64 64 63 62 62 62 61 60	MIN 29 29 28 28 28 28 27 27 27 27 26 26 26 26 26 25 25	48 48 48 47 47 47 47 46 46 45 45 45 45 44 44 43 43 43 43	HDD 17 17 18 18 18 18 19 19 19 20 20 21 21 21 21 22 22 22 23		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	55 54 54 53 53 52 52 51 51 50 50 49 49 49 48 48 48 47 47	MIN 23 22 22 22 22 22 21 21 21 21 20 20 20 20 19 19 19 19	AVG 39 38 38 38 37 37 36 36 36 36 35 35 35 34 34 34 33 33 33 33	26 27 27 27 28 28 28 29 29 30 30 30 30 31 31 31 32 32 32 32	0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
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CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: TAHOE VALLEY AP TVL CALIFORNIA Station Number: 048762

Latitude: 38 ^B 53 * 43 (Longitude: -119 ^B 59 * 53 (Elevation (feet): 6254

Climate Division: CA 03 Northeast Interior Basins Page 3 of 3

					PRECIPIT								
Probability	, JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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Level	JAN	FEB	MAR	APR	MAY	JUN	N QUINT	AUG	SED	OCT	NOV	DEC	
LEVEI	JAN	ILD	IVIAIN	AFIX	IVIA	JUN	JUL	AUG	JLF		INOV	DLC	
		TI	EMPERATU	RE ONLY	STATION	N. NO	PRECIP	ITATION	DATA .	AVAILABLE			

Abbreviations:

MAX = Maximum Temperature (degrees Fahrenheit)
MIN = Minimum Temperature (degrees Fahrenheit)
AVG = Average Temperature (degrees Fahrenheit)

NOTES

HDD = Heating Degree Days (base 65) CDD = Cooling Degree Days (base 65) PRCP = Precipitation Amount (inches) MTH = Monthly Means / Totals SEASON = Seasonal Means / Totals ANNUAL = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, ..., December, January, ..., December, January, ..., June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches of precipitation in that month. It also means that, on average, 8 out of 10 years will have more than 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

Release Date: May 15, 2002[^] National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina