

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

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

Station Name: LOS ANGELES DOWNTOWN USC CQT CALIFORNIA Station Number: 045115

Latitude: 34 B 01* 40 (Longitude: -118 B 17* 45 (Elevation (feet): 185

Climate Division: CA 06 South Coast Drainage Basin

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		DE	СЕМВЕ	R					1.	ANUAR	v					FE	BRUAR		Page	
Date	MAX	MIN		HDD	CDD	PRCP	Date	MAX	MIN		HDD	CDD	PRCP	Date	MAX	MIN			CDD	PRCF
1	70	49	60	5	*	0.05	1	68	48	58	7	0	0.08	1	69	49	59	6	0	0.13
2	70	49	60	5	*	0.05	2	68	48	58	7	0	0.09	2	69	50	60	6	0	0.13
3	70	49	60	5	*	0.05	3	68	48	58	7	0	0.09	3	69	50	60	6	0	0.13
4	70	49	60	6	*	0.05	4	68	48	58	7	0	0.09	4	69	50	60	6	*	0.13
5	70	49	59	6	*	0.05	5	68	48	58	7	0	0.09	5	69	50	60	6	*	0.13
6	70	49	59	6	*	0.05	6	68	48	58	7	0	0.09	6	69	50	60	6	*	0.13
7	70	49	59	6	*	0.05	7	68	48	58	7	0	0.09	7	69	50	60	6	*	0.13
8	69	49	59	6	*	0.05	8	68	48	58	7	0	0.10	8	69	50	60	6	*	0.13
9	69	49	59	6	*	0.05	9	68	48	58	7	0	0.10	9	70	50	60	6	*	0.13
10	69	48	59	6	*	0.05	10	68	48	58	7	0		10	70	50	60	5	*	0.13
11	69	48	59	6	*	0.05	11	68	48	58	7	0		11	70	50	60	5	*	0.13
12 13	69 69	48 48	59 58	6 6	*	0.06	12 13	68 68	48 48	58 58	7 7	0		12 13	70 70	50 50	60 60	5 5	*	0.13
14	69	48	58	7	0	0.06	14	68	48	58	7	0	0.10	14	70	50	60	5	*	0.13
15	69	48	58	7	0	0.06	15	68	48	58	7	0	0.11	15	70	50	60	5	*	0.14
16	68	48	58	7	0	0.06		68	48	58	7	0		16	70	50	60	5	*	0.14
17	68	48	58	7	0		17	68	49	58	7	*		17	70	50	60	5	*	0.14
18	68	48	58	7	0		18	68	49	58	7	*		18	70	50	60	5	*	0.13
19	68	48	58	7	0	0.06	19	68	49	58	7	*	0.11	19	70	50	60	5	*	0.13
20	68	48	58	7	0	0.06	20	68	49	58	7	*		20	70	51	60	5	*	0.13
21	68	48	58	7	0	0.07	21	68	49	58	7	*		21	70	51	60	5	*	0.13
22	68	48	58	7	0	0.07	22	68	49	58	6	*		22	70	51	60	5	*	0.13
23	68	48	58	7	0	0.07		68	49	59	6	*		23	70	51	60	5	*	0.13
24	68	48	58	7	0	0.07		68	49	59	6	*		24	70	51	60	5	*	0.13
25	68	48	58	7	0	0.07		68	49	59	6	*		25	70	51	60	5	*	0.13
26	68	48	58	7	0	0.07	26	68	49	59	6	*		26	69	51	60	5	*	0.13
27	68	48	58	7	0	0.08	27	68	49	59	6	*		27	69	51	60	5	0	0.13
28 29	68 68	48 48	58 58	7 7	0	0.08	28 29	68 69	49 49	59 59	6 6	*	0.12	28	69	51	60	5	0	0.13
30	68	48	58	7	0	0.08	30	69	49	59 59	6	*	0.12							
31	68	48	58	7	0	0.08	31	69	49	59	6	*	0.13							
		40												Name I	CO C	E 0 2	60.0	1 4 0	0.0	3.68
	68.7	48.3	58.5	2.01	1.3	1.91	MTH:	68.1	48.5	58.3	2.07	1.5	3.33	M.I.H ;	h9.h	50.5	60.0	149	2.3	
	68.7	48.3	58.5	201 WINT	13 ER SE	1.91 (ASON:	MTH:	68.1	48.5	58.3	207 557	15 51	3.33	MTH:	69.6	50.3	60.0	149	23	3.00
	68.7					1.91 (ASON:	MTH:		49.0	58.9				MTH:	69.6	50.3		149	23	3.00
MTH:		N	MARCH	WINT	ER SE	ASON:		68.8	49.0	58.9 APRIL	557	51	8.92				MAY			
MTH:	MAX	MIN	IARCH AVG	WINT	ER SE	ASON:	Date	68.8 MAX	49.0 MIN	58.9 APRIL AVG	557	51 CDD	8.92 PRCP	Date	MAX	MIN	MAY AVG	HDD	CDD	PRCI
MTH: Date	MAX 70	MIN 51	MARCH AVG	WINT HDD	CDD	PRCP	Date 1	68.8 MAX	49.0 MIN 53	58.9 APRIL AVG 62	557 HDD	51 CDD	8.92 PRCP 0.06	Date 1	MAX	MIN 56	MAY AVG	HDD 2	CDD 2	PRCI
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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: LOS ANGELES DOWNTOWN USC CQT CALIFORNIA Station Number: 045115

Latitude: 34 B 01* 40 (Longitude: -118 B 17* 45 (Elevation (feet): 185

Climate Division: CA 06 South Coast Drainage Basin Page 2 of 3

				_																2 OT 3
			JUNE							JULY							UGUST			
Date	MAX	MIN	AVG			PRCP		MAX	MIN				PRCP		MAX	MIN				PRCP
1	77	60	68	*	4	0.01	1	82	63	73	0	8	0.00	1	85	65	75	0	10	0.00
2	77	60	68	*	4	0.01	2	82	63	73	0	8	0.00	2	85	65	75	0	10	0.00
3	77	60	69	*	4	0.01	3	82	64	73	0	8	0.00	3	85	65	75	0	10	0.00
4 5	77 77	60 60	69 69	*	4 5	0.01	4 5	83 83	64 64	73 73	0	9	0.00	4 5	85 85	65 65	75 75	0	10 10	0.00
6	78	60	69	0	5	0.01	6	83	64	73	0	9	0.00	6	85	65	75	0	10	0.00
7	78	60	69	0	5	0.00	7	83	64	73	0	9	0.00	7	85	65	75	0	10	0.00
8	78	60	69	0	5	0.00	8	83	64	74	0	9	0.00	8	85	65	75	0	11	0.00
9	78	61	70	0	5	0.00	9	83	64	74	0	9	0.00	9	85	66	75	0	11	0.00
10	79	61	70	0	5	0.00	10	83	64	74	0	9	0.00	10	85	66	75	0	11	0.00
11	79	61	70	0	5	0.00	11	83	64	74	0	9	0.00	11	85	66	75	0	11	0.00
12	79	61	70	0	5	0.00	12	84	64	74	0	9	0.00	12	85	66	76	0	11	0.00
13	79	61	70	0	6	0.00		84	65	74	0	10	0.00		85	66	76	0	11	0.00
14	79	61	70	0	6	0.00		84	65	74	0	10	0.00		85	66	76	0	11	0.00
15	79	61	70	0	6	0.00		84	65	74	0	10	0.00		85	66	76	0	11	0.00
16	80	61	71	0	6	0.00	16	84	65	74	0	10	0.00		85	66	76	0	11	0.00
17	80	62	71	0	6	0.00	1	84	65	74	0	10	0.00		85	66	76	0	11	0.00
18	80	62	71	0	6	0.00	1	84	65	74	0	10	0.00		85	66	75 75	0	11	0.00
19	80 80	62 62	71 71	0	6 7	0.00	1	84 84	65 65	75 75	0	10 10	0.00		85 85	66 66	75 75	0	11 11	0.01
21	81	62	71	0	7	0.00	21	84	65	75	0	10	0.00		85	66	75	0	11	0.01
22	81	62	72	0	7	0.00	22	84	65	75 75	0	10	0.00		85	66	75 75	0	11	0.01
23	81	62	72	0	7	0.00		84	65	75	0	10	0.00		85	66	75	0	10	0.01
24	81	62	72	0	7	0.00		85	65	75	0	10	0.00		85	66	75	0	10	0.01
25	81	63	72	0	7	0.00		85	65	75	0	10	0.00		85	66	75	0	10	0.01
26	81	63	72	0	7	0.00	26	85	65	75	0	10	0.00		84	66	75	0	10	0.01
27	82	63	72	0	7	0.00	27	85	65	75	0	10	0.00	27	84	66	75	0	10	0.01
28	82	63	72	0	8	0.00	28	85	65	75	0	10	0.00	28	84	65	75	0	10	0.01
29	82	63	72	0	8	0.00	29	85	65	75	0	10	0.00	29	84	65	75	0	10	0.01
30	82	63	73	0	8	0.00	30	85	66	75	0	10	0.00	30	84	65	75	0	10	0.01
							31	85	66	75	0	10	0.01	31	84	65	75	0	10	0.01
MTH:	79.5	61.4	70.5	5	178	0.06	MTH:	83.8	64.6	74.2	0	295	0.01	MTH:	84.8	65.6	75.2	0	325	0.13
				SUMM	IER SE	ASON:		82.7	63.9	73.3	5	798	0.20							
		SE.							_	CTOBE	_					NC	\/C84DE	. D		
l			PTEMB				l										VEMBE			
Date	MAX	MIN	AVG	HDD		PRCP		MAX	MIN	AVG	HDD	CDD	PRCP		MAX	MIN	AVG	HDD		PRCP
1	84	MIN 66	AVG 75	HDD 0	10	0.01	1	82	MIN 63	AVG	HDD 0	8	0.01	1	76	MIN 56	AVG 66	HDD 1	3	0.02
1 2	84 84	66 66	75 75	0 0	10 10	0.01	1 2	82 81	MIN 63 63	72 72	0 0	8 7	0.01	1 2	76 76	MIN 56 56	66 66	HDD 1 1	3	0.02
1 2 3	84 84 84	66 66 66	75 75 75 75	0 0 0	10 10 10	0.01 0.01 0.01	1 2 3	82 81 81	63 63 63	72 72 72 72	0 0 0	8 7 7	0.01 0.01 0.01	1 2 3	76 76 76	56 56 55	66 66 66	1 1 2	3 3 3	0.02 0.02 0.02
1 2 3 4	84 84 84 84	66 66 66 65	75 75 75 75 75	0 0 0 0	10 10 10 10	0.01 0.01 0.01 0.01	1 2 3 4	82 81 81 81	63 63 63 62	72 72 72 72 72	0 0 0 0	8 7 7 7	0.01 0.01 0.01 0.01	1 2 3 4	76 76 76 75	56 56 55 55	66 66 66 65	1 1 2 2	3 3 3 2	0.02 0.02 0.02 0.03
1 2 3 4 5	84 84 84 84	66 66 66 65 65	75 75 75 75 75 75	0 0 0 0 0	10 10 10 10 10	0.01 0.01 0.01 0.01 0.01	1 2 3 4 5	82 81 81 81	63 63 63 62 62	72 72 72 72 72 72 72	0 0 0 0 0	8 7 7 7 7	0.01 0.01 0.01 0.01 0.01	1 2 3 4 5	76 76 76 75 75	MIN 56 56 55 55	66 66 66 65 65	1 1 2 2 2	3 3 3 2 2	0.02 0.02 0.02 0.03 0.03
1 2 3 4	84 84 84 84	66 66 66 65	75 75 75 75 75	0 0 0 0	10 10 10 10	0.01 0.01 0.01 0.01	1 2 3 4	82 81 81 81	63 63 63 62	72 72 72 72 72	0 0 0 0	8 7 7 7	0.01 0.01 0.01 0.01	1 2 3 4	76 76 76 75	56 56 55 55	66 66 66 65	1 1 2 2	3 3 3 2	0.02 0.02 0.02 0.03
1 2 3 4 5	84 84 84 84 84	66 66 66 65 65 65	75 75 75 75 75 75 75	0 0 0 0 0	10 10 10 10 10 10	0.01 0.01 0.01 0.01 0.01	1 2 3 4 5	82 81 81 81 81	63 63 63 62 62 62	72 72 72 72 72 72 72 71	0 0 0 0 0	8 7 7 7 7	0.01 0.01 0.01 0.01 0.01	1 2 3 4 5	76 76 76 75 75	56 56 55 55 55 55	66 66 66 65 65	1 1 2 2 2 2 2	3 3 3 2 2 2	0.02 0.02 0.02 0.03 0.03
1 2 3 4 5 6 7	84 84 84 84 84 84	66 66 65 65 65 65	75 75 75 75 75 75 75 75	0 0 0 0 0 0	10 10 10 10 10 10	0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7	82 81 81 81 81 81	63 63 63 62 62 62 62	72 72 72 72 72 72 72 71 71	0 0 0 0 0 0	8 7 7 7 7 7	0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7	76 76 76 75 75 75	MIN 56 56 55 55 55 55	AVG 66 66 65 65 65 65	1 1 2 2 2 2 2 2	3 3 3 2 2 2 2	0.02 0.02 0.02 0.03 0.03 0.03
1 2 3 4 5 6 7 8	84 84 84 84 84 84 84	MIN 66 66 65 65 65 65	75 75 75 75 75 75 75 75	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9	82 81 81 81 81 81 81	63 63 63 62 62 62 62 62	72 72 72 72 72 72 72 71 71	0 0 0 0 0 0 0	8 7 7 7 7 7 7	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9	76 76 76 75 75 75 75	MIN 56 56 55 55 55 54 54	AVG 66 66 65 65 65 65	HDD 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 3 2 2 2 2 2 2 2 2 2	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10	84 84 84 84 84 84 84 84 84	MIN 66 66 65 65 65 65 65 65	75 75 75 75 75 75 75 75 75 75 75	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10	82 81 81 81 81 81 80 80 80	MIN 63 63 63 62 62 62 62 62 62 61 61	AVG 72 72 72 72 72 71 71 71 71 71	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 7 6 6	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10	76 76 75 75 75 75 75 74 74	MIN 56 55 55 55 54 54 54 54 54 53	AVG 66 66 65 65 65 65 64 64 64	HDD 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 3 2 2 2 2 2 2 2 2 2 2 2 2	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12	84 84 84 84 84 84 84 84 84	MIN 66 66 65 65 65 65 65 65 65	AVG 75 75 75 75 75 75 75 75 75 7	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11	82 81 81 81 81 81 80 80 80	MIN 63 63 63 62 62 62 62 62 62 61 61 61	72 72 72 72 72 71 71 71 71 71 71	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 7 6 6	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11	76 76 75 75 75 75 75 74 74 74	56 55 55 55 55 54 54 54 54 53	66 66 65 65 65 65 64 64 64	HDD 1 1 2 2 2 2 2 2 2 2 2 3	3 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13	84 84 84 84 84 84 84 84 84 84	MIN 66 66 65 65 65 65 65 65 65	AVG 75 75 75 75 75 75 75 75 75 74 74 74	HDD 0 0 0 0 0 0 0 0 0 **	10 10 10 10 10 10 10 10 10 10 10	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13	82 81 81 81 81 81 80 80 80 80	63 63 62 62 62 62 62 62 61 61 61	AVG 72 72 72 72 72 71 71 71 71 70 70	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 6 6 6	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13	76 76 75 75 75 75 75 74 74 74	56 55 55 55 55 54 54 54 54 53 53	AVG 66 66 65 65 65 65 64 64 64 64 63	HDD 1 1 2 2 2 2 2 2 2 2 2 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14	84 84 84 84 84 84 84 84 84 84 84	MIN 66 66 65 65 65 65 65 65 65 65 65	AVG 75 75 75 75 75 75 75 75 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 **	10 10 10 10 10 10 10 10 10 10 10 10	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14	82 81 81 81 81 80 80 80 80 80	63 63 62 62 62 62 62 62 61 61 61 61	AVG 72 72 72 72 72 71 71 71 71 70 70 70	HDD 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 6 6 6 6 6	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13	76 76 75 75 75 75 75 74 74 74 74 74	MIN 56 55 55 55 54 54 54 54 53 53 53	AVG 66 66 65 65 65 65 64 64 64 64 63 63	HDD 1 1 2 2 2 2 2 2 2 2 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	84 84 84 84 84 84 84 84 84 84 84	MIN 66 66 65 65 65 65 65 65 65 65 65 65	AVG 75 75 75 75 75 75 75 75 74 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	82 81 81 81 81 80 80 80 80 80 79	MIN 63 63 62 62 62 62 62 61 61 61 60 60	AVG 72 72 72 72 71 71 71 71 71 70 70 70	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 6 6 6 6 6 6	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	76 76 75 75 75 75 74 74 74 74 73 73	MIN 56 55 55 55 54 54 54 54 53 53 53 53	AVG 66 66 65 65 65 64 64 64 63 63 63	HDD 1 1 2 2 2 2 2 2 2 2 3 3 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	84 84 84 84 84 84 84 84 84 84 84 84 84 8	MIN 66 66 65 65 65 65 65 65 65 65 65 65	AVG 75 75 75 75 75 75 75 75 74 74 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	82 81 81 81 81 80 80 80 80 80 79 79	MIN 63 63 62 62 62 62 62 61 61 60 60 60	AVG 72 72 72 72 71 71 71 71 71 70 70 70 70	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 6 6 6 6 6 6 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	76 76 76 75 75 75 75 74 74 74 74 73 73	MIN 56 55 55 55 54 54 54 54 53 53 53 53 53	AVG 66 66 65 65 65 64 64 64 63 63 63	HDD 1 1 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 2 2 1 1 1	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	84 84 84 84 84 84 84 84 84 84 84 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 65 65	75 75 75 75 75 75 75 75 75 75 75 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	82 81 81 81 81 80 80 80 80 80 79 79 79	MIN 63 63 63 62 62 62 62 62 62 61 61 61 60 60 60 60	AVG 72 72 72 72 71 71 71 71 70 70 70 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 6 6 6 6 6 6 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	76 76 76 75 75 75 75 74 74 74 74 73 73 73	MIN 56 56 55 55 55 54 54 54 54 53 53 53 53 53 53 52 52	66 66 65 65 65 65 64 64 64 63 63 63 63	HDD 1 1 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	84 84 84 84 84 84 84 84 84 84 84 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 65 65	AVG 75 75 75 75 75 75 75 75 74 74 74 74 74 74 74 74 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	82 81 81 81 81 80 80 80 80 79 79 79	MIN 63 63 63 62 62 62 62 62 62 61 61 61 60 60 60 60 60	AVG 72 72 72 72 71 71 71 71 71 70 70 70 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 6 6 6 6 6 5 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	76 76 76 75 75 75 75 74 74 74 73 73 73 73	MIN 56 55 55 55 55 54 54 54 54 53 53 53 53 53 53 52 52 52	66 66 65 65 65 65 64 64 64 63 63 63 62 62	HDD 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	84 84 84 84 84 84 84 84 84 84 84 83 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 65 65	75 75 75 75 75 75 75 75 75 75 75 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	82 81 81 81 81 80 80 80 80 79 79 79 79	MIN 63 63 63 62 62 62 62 62 62 61 61 61 60 60 60 60 59	AVG 72 72 72 72 71 71 71 71 70 70 70 70 69 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 6 6 6 6 6 6 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	76 76 76 75 75 75 75 74 74 74 74 73 73 73 73 73 72	MIN 56 55 55 55 55 54 54 54 54 53 53 53 53 53 53 52 52 52 52 52	66 66 65 65 65 65 64 64 64 63 63 63 62 62 62	HDD 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1	0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	84 84 84 84 84 84 84 84 84 84 84 84 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 65 65	75 75 75 75 75 75 75 75 75 75 74 74 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	82 81 81 81 81 80 80 80 80 79 79 79	MIN 63 63 63 62 62 62 62 62 62 61 61 61 60 60 60 60 60	AVG 72 72 72 72 71 71 71 71 71 70 70 70 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 7 6 6 6 6 6 5 5 5 5 5 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	76 76 76 75 75 75 75 74 74 74 73 73 73 73	MIN 56 55 55 55 55 54 54 54 54 53 53 53 53 53 53 52 52 52	66 66 65 65 65 65 64 64 64 63 63 63 62 62	HDD 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	84 84 84 84 84 84 84 84 84 84 84 83 83 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 64 64	75 75 75 75 75 75 75 75 75 74 74 74 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	82 81 81 81 81 80 80 80 80 80 79 79 79 79 79	MIN 63 63 63 62 62 62 62 62 61 61 61 60 60 60 60 59 59	AVG 72 72 72 72 71 71 71 71 70 70 70 70 69 69 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 6 6 6 6 6 5 5 5 5 5 5 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	76 76 76 75 75 75 75 74 74 74 74 73 73 73 73 73 72 72	MIN 56 55 55 55 55 54 54 54 54 53 53 53 53 53 52 52 52 52 52 52	AVG 66 66 65 65 65 64 64 64 63 63 63 63 62 62 62 62	HDD 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	3 3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1	0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	84 84 84 84 84 84 84 84 84 84 84 83 83 83 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 64 64	75 75 75 75 75 75 75 75 75 75 74 74 74 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	82 81 81 81 81 80 80 80 80 79 79 79 79 79 78	MIN 63 63 63 62 62 62 62 62 61 61 61 60 60 60 60 59 59	AVG 72 72 72 72 71 71 71 71 70 70 70 70 69 69 69 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 7 6 6 6 6 6 6 5 5 5 5 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	76 76 76 75 75 75 75 74 74 74 74 73 73 73 73 73 72 72 72	MIN 56 55 55 55 55 54 54 54 54 53 53 53 53 53 52 52 52 52 52 51	66 66 65 65 65 64 64 64 63 63 63 62 62 62 62	HDD 1 1 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 4 4	3 3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	84 84 84 84 84 84 84 84 84 84 84 83 83 83 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 64 64 64	75 75 75 75 75 75 75 75 75 74 74 74 74 74 74 74 74 74	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	82 81 81 81 81 80 80 80 80 80 79 79 79 79 79 79 78 78	MIN 63 63 63 62 62 62 62 62 61 61 61 60 60 60 60 59 59 59	AVG 72 72 72 72 71 71 71 71 70 70 70 70 69 69 69 69 69 68	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 7 6 6 6 6 6 6 5 5 5 5 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	76 76 76 75 75 75 75 74 74 74 74 73 73 73 73 73 73 73 72 72 72 72	MIN 56 55 55 55 55 54 54 54 54 53 53 53 53 53 52 52 52 52 52 51 51	66 66 65 65 65 65 64 64 64 63 63 63 62 62 62 62 62 62	HDD 1 1 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 4 4 4	3 3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	84 84 84 84 84 84 84 84 84 84 83 83 83 83 83 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 64 64 64 64 64	75 75 75 75 75 75 75 75 75 75 74 74 74 74 74 74 74 74 74 73 73 73	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	82 81 81 81 81 80 80 80 80 80 79 79 79 79 79 78 78 78 78	MIN 63 63 63 62 62 62 62 62 61 61 61 60 60 60 60 59 59 59 59 58 58	AVG 72 72 72 72 71 71 71 71 70 70 70 70 69 69 69 69 69 69 68 68 68 68	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 7 6 6 6 6 6 6 6 5 5 5 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	76 76 76 75 75 75 75 74 74 74 74 73 73 73 73 72 72 72 72 72 71	MIN 56 56 55 55 55 55 54 54 54 53 53 53 53 53 52 52 52 52 51 51 51 51 51	66 66 65 65 65 65 64 64 64 63 63 63 62 62 62 62 62 61 61 61	HDD 1 1 2 2 2 2 2 2 2 2 3 3 3 3 3 3 4 4 4 4 4 4	3 3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	84 84 84 84 84 84 84 84 84 84 83 83 83 83 83 83 83 83 83 83 83 83 83	MIN 66 66 65 65 65 65 65 65 65 65 65 64 64 64 64 64 64 64 64	75 75 75 75 75 75 75 75 75 75 74 74 74 74 74 74 74 74 73 73 73 73	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 9 9 9 9	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	82 81 81 81 81 80 80 80 80 80 79 79 79 79 79 78 78 78 78 78 77	MIN 63 63 63 62 62 62 62 62 62 61 61 61 60 60 60 60 59 59 59 59 58 58 58 58	72 72 72 72 72 71 71 71 71 71 70 70 70 70 70 69 69 69 69 69 69 68 68 68 68 68 67 67	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 7 7 7 7 7 7 7 7 6 6 6 6 6 6 5 5 5 5 5 5	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	76 76 76 75 75 75 75 74 74 74 74 73 73 73 73 72 72 72 72 72 72 71 71	56 55 55 55 55 54 54 54 54 53 53 53 53 52 52 52 52 52 51 51 51 51 50 50	66 66 65 65 65 65 64 64 64 64 63 63 63 62 62 62 62 62 61 61 61 61 61	HDD 1 1 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 4 4 4 4 4	3 3 3 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04
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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: LOS ANGELES DOWNTOWN USC CQT CALIFORNIA Station Number: 045115

Latitude: 34 B 01 * 40 (Longitude: -118 B 17 * 45 (Elevation (feet): 185

Climate Division: CA 06 South Coast Drainage Basin Page 3 of 3

	PRECIPITATION PROBABILITIES													
Probability	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC A	NNUAL	
0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	0.02	
0.010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.04	
0.050	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	0.15	
0.100	0.10	0.18	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.48	0.28	
0.200	0.49	0.55	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.34	8.59	0.53	
0.300	0.95	1.02	1.19	0.06	0.00	0.00	0.00	0.00	0.04	0.21	0.66	10.37	0.80	
0.400	1.49	1.60	1.72	0.20	0.00	0.00	0.00	0.00	0.13	0.40	0.99	12.09	1.09	
0.500	2.15	2.30	2.31	0.39	0.03	0.00	0.00	0.00	0.22	0.63	1.37	13.86	1.43	
0.600	2.96	3.19	3.01	0.63	0.09	0.00	0.00	0.06	0.33	0.91	1.82	15.80	1.83	
0.700	4.01	4.37	3.88	0.96	0.23	0.00	0.00	0.19	0.47	1.28	2.38	18.06	2.34	
0.800	5.51	6.06	5.08	1.44	0.47	0.03	0.05	0.47	0.66	1.80	3.15	20.96	3.05	
0.900	8.10	9.01	7.10	2.30	0.91	0.17	0.38	1.03	0.98	2.68	4.44	25.47	4.23	
0.950	10.70	12.01	9.08	3.17	1.47	0.33	0.74	1.68	1.29	3.59	5.72	29.63	5.40	
0.990	16.78	19.08	13.61	5.21	3.01	0.97	2.25	3.40	1.98	5.65	8.64	38.53	8.07	
0.995	19.41	22.14	15.54	6.11	3.67	1.25	2.91	4.16	2.29	6.55	9.89	42.15	9.21	

	PRECIPITATION QUINTILES												
Level	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
0 <	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.49	0.55	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.34	
2	0.50	0.56	0.72	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.35	
	1.49	1.60	1.72	0.20	0.00	0.00	0.00	0.00	0.00	0.13	0.40	0.99	
3	1.50	1.61	1.73	0.21	0.01	0.00	0.00	0.00	0.01	0.14	0.41	1.00	
	2.96	3.19	3.01	0.63	0.09	0.00	0.00	0.00	0.06	0.33	0.91	1.82	
4	2.97	3.20	3.02	0.64	0.10	0.01	0.00	0.01	0.07	0.34	0.92	1.83	
	5.51	6.06	5.08	1.44	0.47	0.03	0.00	0.05	0.47	0.66	1.80	3.15	
5	5.52	6.07	5.09	1.45	0.48	0.04	0.01	0.06	0.48	0.67	1.81	3.16	
	12.56	13.68	8.37	5.16	3.10	0.76	0.18	2.26	2.82	2.37	4.41	6.57	
6 >	12.56	13.68	8.37	5.16	3.10	0.76	0.18	2.26	2.82	2.37	4.41	6.57	

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