

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

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

Station Name: FONTANA KAISER (ONTARIO) ONT CALIFORNIA Station Number: 043120

Latitude: 34 B 05 * 00 (Longitude: -117 B 31 * 00 (Elevation (feet): 1102

Climate Division: CA 06 South Coast Drainage Basin

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Date	MAX	MIN		R HDD	CDD	PRCP	Date	MAX	J. MIN		HDD	CDD	PRCP	Date	MAX	FE MIN		HDD	CDD	PRCP
1	70	46	58	8	*	0.04	1	67	44	56	9	0	0.08	1	69	46	58	7	0	0.12
2 3	70 70	45 45	58 57	8 8	*	0.04	2 3	67 67	4 4 4 4	56 56	9	0	0.09	2 3	69 70	46 46	58 58	7 7	0	0.12
4	70	45	57	8	*	0.04	4	67	44	56	9	0	0.09	4	70	47	58	7	0	0.12
5	70	45	57	8	*	0.04	5	67	45	56	9	0	0.10	5	70	47	58	7	0	0.12
6	69	45	57	8	*	0.04	6	67	45	56	9	0	0.10	6	70	47	58	7	0	0.12
7 8	69	45	57	8	*	0.04	7 8	67	45	56	9	0	0.10	7	70	47	58	7 7	0	0.12
9	69 69	45 44	57 57	8 9	0	0.04	9	67 67	45 45	56 56	9 9	0	0.10	9	70 70	47 47	58 58	7	0	0.12
10	69	44	57	9	0	0.04		68	45	56	9	0	0.11	10	70	47	58	7	0	0.12
11	69	44	56	9	0	0.04		68	45	56	9	0	0.11	11	70	47	58	7	0	0.12
12	69	44	56	9	0	0.04		68	45	56	9	0	0.11	12	70	47	58	7	0	0.12
13	69 68	4 4 4 4	56 56	9	0	0.05		68 68	45 45	56 56	9	0		13 14	70 70	47 47	58 59	7 7	0	0.12
15	68	44	56	9	0	0.05		68	45	56	9	0		15	70	47	59	7	0	0.12
16	68	44	56	9	0	0.05	l .	68	45	57	9	0	0.12		70	47	59	7	*	0.12
17	68	44	56	9	0	0.05	l .	68	45	57	9	0		17	70	47	59	7	*	0.12
18 19	68 68	4 4 4 4	56 56	9	0	0.05	1	68 68	45 46	57 57	9 9	0	0.12	1	70 70	47 47	59 59	7 7	*	0.12
20	68	44	56	9	0	0.05	l .	68	46	57	9	0		20	71	47	59	7	*	0.12
21	68	44	56	9	0	0.06	21	68	46	57	9	0	0.12	21	71	47	59	7	*	0.12
22	68	44	56	9	0	0.06		68	46	57	9	0	0.12	22	70	47	59	7	*	0.12
23	68 68	4 4 4 4	56 56	9	0	0.06		68 68	46 46	57 57	8 8	*	0.12	23 24	70 70	47 47	59 59	7 7	*	0.13
25	68	44	56	9	0	0.06		68	46	57 57	8	*		25	70	47	59 59	7	*	0.13
26	68	44	56	9	0	0.07	26	69	46	57	8	*		26	70	47	59	7	*	0.13
27	68	44	56	10	0	0.07	27	69	46	57	8	*		27	70	47	59	7	*	0.13
28	68	44	56	10	0	0.07	28	69	46	57	8	*	0.13	28	70	47	58	7	*	0.13
29 30	68 67	4 4 4 4	56 56	9	0	0.08	l .	69 69	46 46	58 58	8 8	*	0.12							
31	67	44	56	9	0	0.08	31	69	46	58	8	*	0.12							
MTH:	68.5	44.3	56.4	273	7	1.63	MTH:	67.9	45.3	56.6	270	9		MTH:	70.0	46.9	58.5	196	13	3.42
				WINT	ER SE	ASON:		68.8	45.5	57.2	739	29	8.55							
			MARCH							APRIL							MAY			
Date	MAX	MIN	AVG	HDD	CDD	PRCP		MAX 73	MIN	AVG	HDD	CDD	PRCP		MAX	MIN 51	AVG	HDD 4		PRCP
Date 1 2	70 70			HDD 7 7 7	CDD 0 0	PRCP 0.13 0.13	Date	73 74	MIN 48 48		HDD 6 6	CDD 2 2	PRCP 0.06 0.06	Date	MAX 78 78	MIN 51 51		HDD 4 4	CDD 3 3	PRCP 0.00 0.00
1	70	MIN 47	AVG 59	7	0	0.13	1	73	48	AVG 60	6	2	0.06	1	78	51	AVG 64	4	3	0.00
1 2 3 4	70 70 70 70	47 47 47 47	59 59 59 59	7 7 7 7	0 0 1 1	0.13 0.13 0.13 0.13	1 2 3 4	73 74 74 74	48 48 48 48	60 61 61 61	6 6 6	2 2 2 2	0.06 0.06 0.06 0.05	1 2 3 4	78 78 78 78	51 51 51 51	64 65 65 65	4 4 3 3	3 3 3 3	0.00 0.00 0.00 0.00
1 2 3 4 5	70 70 70 70 70	47 47 47 47 47	59 59 59 59 58	7 7 7 7 7	0 0 1 1	0.13 0.13 0.13 0.13 0.13	1 2 3 4 5	73 74 74 74 74	48 48 48 48	60 61 61 61 61	6 6 6 6	2 2 2 2 2	0.06 0.06 0.06 0.05	1 2 3 4 5	78 78 78 78 78	51 51 51 51 51	64 65 65 65 65	4 4 3 3 3	3 3 3 3	0.00 0.00 0.00 0.00
1 2 3 4 5	70 70 70 70 70 70	47 47 47 47 47 47	59 59 59 59 58 58	7 7 7 7 7	0 0 1 1 1	0.13 0.13 0.13 0.13 0.13	1 2 3 4 5	73 74 74 74 74 74	48 48 48 48 48	60 61 61 61 61 61	6 6 6 6 6	2 2 2 2 2 2 2	0.06 0.06 0.06 0.05 0.05	1 2 3 4 5	78 78 78 78 78 78	51 51 51 51 51 51	64 65 65 65 65 65	4 4 3 3 3 3	3 3 3 3 3	0.00 0.00 0.00 0.00 0.00
1 2 3 4 5	70 70 70 70 70	47 47 47 47 47	59 59 59 59 58	7 7 7 7 7	0 0 1 1	0.13 0.13 0.13 0.13 0.13	1 2 3 4 5	73 74 74 74 74	48 48 48 48	60 61 61 61 61	6 6 6 6	2 2 2 2 2	0.06 0.06 0.06 0.05	1 2 3 4 5	78 78 78 78 78	51 51 51 51 51	64 65 65 65 65	4 4 3 3 3	3 3 3 3	0.00 0.00 0.00 0.00
1 2 3 4 5 6 7	70 70 70 70 70 70 70	47 47 47 47 47 47 47	59 59 59 58 58 58	7 7 7 7 7 7	0 0 1 1 1 1	0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8	73 74 74 74 74 74 75	48 48 48 48 48 48	60 61 61 61 61 61	6 6 6 6 6 6 6 5	2 2 2 2 2 2 2 2	0.06 0.06 0.05 0.05 0.04 0.04	1 2 3 4 5 6 7	78 78 78 78 78 78 78	51 51 51 51 51 51 52 52	64 65 65 65 65 65 65	4 4 3 3 3 3 3	3 3 3 3 3 3	0.00 0.00 0.00 0.00 0.00 0.00
1 2 3 4 5 6 7 8 9	70 70 70 70 70 70 70 70 70 70	MIN 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 58	7 7 7 7 7 7 7 7	0 0 1 1 1 1 1 1 1	0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9	73 74 74 74 74 75 75 75	48 48 48 48 48 48 48 48 48	60 61 61 61 61 61 61 62 62	6 6 6 6 6 5 5 5	2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.05 0.05 0.04 0.04 0.04 0.03 0.03	1 2 3 4 5 6 7 8 9	78 78 78 78 78 78 79 79	51 51 51 51 51 52 52 52 52 52	AVG 64 65 65 65 65 65 65 65 65	4 4 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3	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	70 70 70 70 70 70 70 70 70 70	47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 58	7 7 7 7 7 7 7 7	0 0 1 1 1 1 1 1 1 1 1	0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10	73 74 74 74 74 75 75 75 75	48 48 48 48 48 48 48 48 48	AVG 60 61 61 61 61 61 62 62 62 62	6 6 6 6 6 6 6 6 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.05 0.05 0.04 0.04 0.04 0.03 0.03	1 2 3 4 5 6 7 8 9 10	78 78 78 78 78 78 79 79 79	51 51 51 51 51 52 52 52 52 52 52 52	AVG 64 65 65 65 65 65 65 65 65 66	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3	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	70 70 70 70 70 70 70 70 70 70	MIN 47 47 47 47 47 47 47 47 47 47 47	59 59 58 58 58 58 58 58 58 58	7 7 7 7 7 7 7 7	0 0 1 1 1 1 1 1 1 1 1	0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12	73 74 74 74 74 75 75 75 75 76	48 48 48 48 48 48 48 48 48 48	60 61 61 61 61 61 62 62 62 62	6 6 6 6 6 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.05 0.05 0.05 0.04 0.04 0.04 0.03 0.03 0.03	1 2 3 4 5 6 7 8 9 10 11	78 78 78 78 78 78 79 79 79 79 79	51 51 51 51 52 52 52 52 52 52 52 52	AVG 64 65 65 65 65 65 65 65 65 66 66	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3	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	70 70 70 70 70 70 70 70 70 70 70	47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 58	7 7 7 7 7 7 7 7	0 0 1 1 1 1 1 1 1 1 1	0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13	73 74 74 74 74 75 75 75 75	48 48 48 48 48 48 48 48 48	AVG 60 61 61 61 61 61 62 62 62 62	6 6 6 6 6 6 6 6 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.05 0.05 0.04 0.04 0.04 0.03 0.03	1 2 3 4 5 6 7 8 9 10 11 12 13	78 78 78 78 78 78 79 79 79	51 51 51 51 51 52 52 52 52 52 52 52	AVG 64 65 65 65 65 65 65 65 65 66	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3 3 3 3 3 3 3 3 3 3 3 4	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	70 70 70 70 70 70 70 70 70 70 70 70 70	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 58 58 58 58 58 58 58 59 59 59 59	7 7 7 7 7 7 7 7 7	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	73 74 74 74 74 75 75 75 76 76 76 76	48 48 48 48 48 48 48 48 48 48 49	60 61 61 61 61 61 62 62 62 62 62 62 62 62	6 6 6 6 6 6 6 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	78 78 78 78 78 78 79 79 79 79 79 79 79 79	51 51 51 51 51 52 52 52 52 52 52 53 53 53	AVG 64 65 65 65 65 65 65 66 66 66 66	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4	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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 58 58 58 58 58 58 58 59 59 59 59	7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	73 74 74 74 74 75 75 75 76 76 76 76 76	48 48 48 48 48 48 48 48 48 48 49 49	60 61 61 61 61 62 62 62 62 62 63	6666665555555555	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	78 78 78 78 78 78 79 79 79 79 79 79 79 80 80	51 51 51 51 51 52 52 52 52 52 52 53 53 53	AVG 64 65 65 65 65 65 65 66 66 66 66 66 67	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4 4	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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 58 58 58 58 58 58 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	73 74 74 74 74 75 75 75 76 76 76 76 76 76	48 48 48 48 48 48 48 48 48 48 49 49	60 61 61 61 61 62 62 62 62 62 63 63 63	66666655555555555	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02 0.02	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	78 78 78 78 78 78 79 79 79 79 79 79 79 79 80 80 80 80	51 51 51 51 51 52 52 52 52 52 52 53 53 53 53	AVG 64 65 65 65 65 65 65 66 66 66 66 67 67	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4	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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 58 58 58 58 58 58 58 59 59 59 59	7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	73 74 74 74 74 75 75 75 76 76 76 76 76	48 48 48 48 48 48 48 48 48 48 49 49	60 61 61 61 61 62 62 62 62 62 63	6666665555555555	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.02 0.02 0.02 0.02 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	78 78 78 78 78 78 79 79 79 79 79 79 79 80 80	51 51 51 51 51 52 52 52 52 52 52 53 53 53	AVG 64 65 65 65 65 65 65 66 66 66 66 66 67	4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4 4	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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 58 59 59 59 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	73 74 74 74 74 75 75 75 76 76 76 76 76 77	48 48 48 48 48 48 48 48 48 49 49 49 49 49	AVG 60 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63 63	666666655555555555555555	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3	0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.02 0.02 0.02 0.02 0.01 0.01	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	78 78 78 78 78 78 79 79 79 79 79 79 80 80 80 80 81 81	51 51 51 51 51 52 52 52 52 52 52 52 53 53 53 53 53 53	64 65 65 65 65 65 65 66 66 66 66 67 67 67	4 4 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4	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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	73 74 74 74 74 75 75 75 76 76 76 76 77 77	48 48 48 48 48 48 48 48 48 49 49 49 49 49	60 61 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63	666666655555555555555555555555555555555	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3	0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02 0.02 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	78 78 78 78 78 78 79 79 79 79 79 79 80 80 80 80 81 81 81	51 51 51 51 51 52 52 52 52 52 52 52 53 53 53 53 53 53 54 54	64 65 65 65 65 65 65 66 66 66 66 67 67 67 67	4 4 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4	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 22	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.11 0.11 0.11	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	73 74 74 74 74 75 75 75 76 76 76 76 77 77 77	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49	60 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63 63	666666655555555555554	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02 0.02 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	78 78 78 78 78 78 79 79 79 79 79 79 79 80 80 80 80 80 81 81 81	51 51 51 51 51 52 52 52 52 52 52 53 53 53 53 53 53 54 54 54	64 65 65 65 65 65 65 66 66 66 66 67 67 67 67 67 68	4 4 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5	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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	73 74 74 74 74 75 75 75 76 76 76 76 77 77	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49	60 61 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63	666666655555555555555555555555555555555	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3	0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02 0.02 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	78 78 78 78 78 78 79 79 79 79 79 79 80 80 80 80 81 81 81	51 51 51 51 51 52 52 52 52 52 52 52 53 53 53 53 53 53 54 54	64 65 65 65 65 65 65 66 66 66 66 67 67 67 67	4 4 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4	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 22 23 24 25	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 6 6 6 6 6		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.11 0.11 0.10 0.10 0.10 0.10	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	73 74 74 74 74 75 75 75 76 76 76 76 77 77 77 77 77 78	48 48 48 48 48 48 48 48 49 49 49 49 49 49 49 50 50	60 61 61 61 61 61 62 62 62 62 62 62 63 63 63 63 63 64 64	6 6 6 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 4 4 4 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.02 0.02 0.02 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	78 78 78 78 78 78 79 79 79 79 79 80 80 80 81 81 81 81 82 82 82	51 51 51 51 52 52 52 52 52 53 53 53 53 53 53 54 54 54 54 54	AVG 64 65 65 65 65 65 66 66 66 67 67	4 4 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 5 5 5 5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 60 60	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.10	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	73 74 74 74 74 75 75 76 76 76 76 77 77 77 77 77 78 78	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49 50 50 50	60 61 61 61 61 61 62 62 62 62 62 62 63 63 63 63 63 63 64 64 64	6 6 6 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 4 4 4 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3	0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.02 0.02 0.02 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	78 78 78 78 78 78 79 79 79 79 79 80 80 80 81 81 81 81 81 82 82 82 82	51 51 51 51 51 52 52 52 52 52 52 52 53 53 53 53 53 54 54 54 54 54 55	64 65 65 65 65 65 65 66 66 66 67 67 67 67 67 68 68 68	4 4 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 5 5 5 5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 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	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.10 0.00	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	73 74 74 74 74 75 75 76 76 76 76 77 77 77 77 77 77 78 78	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49 50 50 50	60 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63 63 63 64 64	6 6 6 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 4 4 4 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.02 0.02 0.02 0.01 0.01 0.01 0.01 0.00 0.00	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	78 78 78 78 78 78 79 79 79 79 79 80 80 80 80 81 81 81 81 82 82 82 82 83	51 51 51 51 52 52 52 52 52 52 52 53 53 53 53 53 54 54 54 54 55 55 55	64 65 65 65 65 65 65 66 66 66 67 67 67 67 67 67 68 68 68 68	4 4 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 5 5 5 5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 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 28	70 70 70 70 70 70 70 70 70 70 70 70 70 7	## MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 60 60 60 60 60	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.10 0.00	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 28	73 74 74 74 74 75 75 76 76 76 76 77 77 77 77 77 78 78 78	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49 50 50 50 50	60 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63 63 63 64 64 64	6 6 6 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 4 4 4 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.02 0.02 0.02 0.02 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 28	78 78 78 78 78 78 79 79 79 79 79 79 80 80 80 81 81 81 81 82 82 82 82 83 83	51 51 51 51 52 52 52 52 52 52 52 53 53 53 53 53 54 54 54 54 55 55 55 55	64 65 65 65 65 65 65 66 66 66 67 67 67 67 67 68 68 68 68 69	4 4 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 5 5 5 5	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 22 23 24 25 26 27	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 59	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.10 0.00	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 28 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	73 74 74 74 74 75 75 76 76 76 76 77 77 77 77 77 77 78 78	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49 50 50 50	60 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63 63 63 64 64	6 6 6 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 4 4 4 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.02 0.02 0.02 0.01 0.01 0.01 0.01 0.00 0.00	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 28 29	78 78 78 78 78 78 79 79 79 79 79 80 80 80 80 81 81 81 81 82 82 82 82 83	51 51 51 51 52 52 52 52 52 52 52 53 53 53 53 53 54 54 54 54 55 55 55	64 65 65 65 65 65 65 66 66 66 67 67 67 67 67 67 68 68 68 68	4 4 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 5 5 5 5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 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 28 29 30 31	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 60 60 60 60 60 60	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.10 0.10 0.09 0.09 0.09 0.08 0.07 0.07	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 28 29 30	73 74 74 74 74 75 75 75 76 76 76 76 77 77 77 77 77 78 78 78 78 78 78	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49 50 50 50 50 51 51	60 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63 63 64 64 64 64 64	666666655555555555554444444444444444444	2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02 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 28 29 30 31	78 78 78 78 78 78 78 79 79 79 79 79 79 80 80 80 81 81 81 81 82 82 82 82 82 83 83 83 83	51 51 51 51 52 52 52 52 52 52 53 53 53 53 53 54 54 54 54 54 55 55 55 55 55 55 55 55	64 65 65 65 65 65 65 66 66 66 67 67 67 67 67 67 67 68 68 68 68 69 69 70	4 4 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 5 5 5 5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.00
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 28 29 30 31	70 70 70 70 70 70 70 70 70 70 70 70 70 7	MIN 47 47 47 47 47 47 47 47 47 47 47 47 47	59 59 59 58 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 60 60 60 60 60 60	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.10 0.10 0.09 0.09 0.09 0.08 0.07 0.07	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 28 29 30	73 74 74 74 74 75 75 75 76 76 76 76 77 77 77 77 77 78 78 78 78	48 48 48 48 48 48 48 48 48 49 49 49 49 49 49 50 50 50 50 50 51	60 61 61 61 61 62 62 62 62 62 62 62 63 63 63 63 63 63 64 64 64 64	6 6 6 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3	0.06 0.06 0.06 0.05 0.05 0.04 0.04 0.03 0.03 0.03 0.02 0.02 0.02 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 28 29 30	78 78 78 78 78 78 78 79 79 79 79 79 79 80 80 80 81 81 81 81 82 82 82 82 82 83 83 83 83	51 51 51 51 52 52 52 52 52 52 53 53 53 53 53 54 54 54 54 54 55 55 55 55 55 55 55 55	AVG 64 65 65 65 65 65 66 66 66 67 67 67 67 67 68 68 68 68 69 69 69	4 4 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 5 5 5 5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.00



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

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

Station Name: FONTANA KAISER (ONTARIO) ONT CALIFORNIA Station Number: 043120

Latitude: 34 B 05 * 00 (Longitude: -117 B 31 * 00 (Elevation (feet): 1102

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

						JIVISIO		. 00 5		Joast I	JIAIII								uge	2 OT 3
D - 4 -	N 4 A 3 /		JUNE	LIDD	000	DDOD	D-4-	B4437	N 41N I	JULY	LIDD	000	DDOD	D-4-	MAN		AUGUST		000	DDOD
Date	MAX	MIN	AVG			PRCP		MAX	MIN		HDD				MAX	MIN				PRCP
1 2	84 84	55 55	70 70	1	6 6	0.01	1 2	93 93	60 60	76 77	0	11 12	0.00	1 2	96 96	63 63	80 80	0	14 15	0.00
3	85	56	70	1	6	0.00	3	93	60	77	0	12	0.00	3	96	63	80	0	15	0.00
4	85	56	70	1	6	0.00	4	93	60	77	0	12	0.00	4	96	63	79	0	15	0.00
5	85	56	71	1	6	0.00	5	94	60	77	0	12	0.00	5	96	63	79	0	14	0.00
6	86	56	71	1	7	0.00	6	94	60	77	0	12	0.00	6	96	63	79	0	14	0.00
7	86	56	71	1	7	0.00	7	94	61	77	0	12	0.00	7	96	63	79	0	14	0.00
8	86	56	71	1	7	0.00	8	94	61	78	0	13	0.00	8	96	63	79	0	14	0.00
9	87	56	71	1	7	0.00	9	94	61	78	0	13	0.00	9	96	63	79	0	14	0.00
10	87	56	72	1	7	0.00	10	94	61	78	0	13	0.00		96	63	79	0	14	0.00
11	87	57	72	1	8		11	95	61	78	0	13	0.00		95	63	79	0	14	0.00
12	87	57	72	1	8	0.00	12	95	61	78	0	13	0.00		95	63	79	0	14	0.00
13	88 88	57 57	72 73	1	8 8	0.00	13 14	95 95	61 61	78 78	0	13 13	0.00		95 95	63 63	79 79	0	14 14	0.00
15	88	57 57	73	1	8		15	95 95	62	78 79	0	13	0.00		95 95	63	79 79	0	14	0.00
16	89	57	73	1	8	0.00	16	95	62	79	0	14	0.00		95	63	79	0	14	0.00
17	89	57	73	0	9	0.00	17	95	62	79	0	14	0.00		95	63	79	0	14	0.00
18	89	58	73	0	9	0.00		96	62	79	0	14	0.00		95	63	79	0	14	0.00
19	90	58	74	0	9	0.00	19	96	62	79	0	14	0.00	19	95	63	79	0	14	0.00
20	90	58	74	0	9	0.00	20	96	62	79	0	14	0.00	20	95	63	79	0	14	0.00
21	90	58	74	0	9	0.00	21	96	62	79	0	14	0.00	21	95	63	79	0	14	0.01
22	90	58	74	0	9	0.00	22	96	62	79	0	14	0.00		95	63	79	0	14	0.01
23	91	58	75	0	10	0.00	23	96	62	79	0	14	0.00		94	63	79	0	14	0.01
24	91	59	75	0	10	0.00	24	96	62	79	0	14	0.00		94	63	79	0	14	0.01
25	91	59 59	75	0	10	0.00	25	96	62	79	0	14	0.00		94	63	79	0	14	0.01
26 27	91 92	59 59	75 75	0	10 10	0.00	26 27	96 96	62 63	79 79	0	14 14	0.00	1	94 94	63 63	79 79	0	14 14	0.01
28	92	59	75 76	0	11	0.00	28	96	63	79 79	0	14	0.00		94	63	79 79	0	14	0.01
29	92	59	76	0	11	0.00	29	96	63	79	0	14	0.00		94	63	78	0	14	0.01
30	92	60	76	0	11	0.00	30	96	63	79	0	14	0.00		94	63	78	0	13	0.01
							31	96	63	79	0	14	0.00	31	93	63	78	0	13	0.01
MTH:	88.4	57.3	72.9	16	250	0.01	MTH:	95.0	61.5	78.3	0	411	0.00	MTH:	95.0	63.0	79.0	0	435	0.11
				SUMM	IER SE	ASON:		92.8	60.6	76.7	16	1096	0.12							
		SF	PTFMRI						0	CTORE	R					NC	VEMBE	R		
Date	MAX	SE MIN	PTEMBI AVG			PRCP	Date	MAX	O MIN	CTOBE AVG	R HDD	CDD	PRCP	Date	MAX	NC MIN	OVEMBE AVG		CDD	PRCP
		MIN	AVG	ER HDD	CDD	PRCP	Date 1		MIN	AVG	HDD					MIN	AVG	HDD		
Date	MAX 93 93			ER				MAX 87 87				CDD 8 8	PRCP 0.01 0.00	Date	MAX 78 77				CDD 3 3	PRCP 0.03 0.03
1	93	MIN 63	AVG 78	ER HDD	CDD	PRCP 0.01	1	87	MIN 59	AVG 73	HDD 0	8	0.01	1	78	MIN 52	AVG 65	HDD 3	3	0.03
1 2 3 4	93 93 93 93	63 63 63 63	78 78 78 78 78	HDD 0 0	CDD 13 13 13 13	PRCP 0.01 0.01 0.01 0.01	1 2	87 87 87 87	59 59 59 59	73 73 73 73 73	0 0	8 8 8 8	0.01 0.00 0.00 0.00	1 2 3 4	78 77 77 77	52 52 52 52 51	65 65 64 64	3 3 3 3 3	3 3 2 2	0.03 0.03 0.03 0.03
1 2 3 4 5	93 93 93 93 93	63 63 63 63 63	78 78 78 78 78 78	0 0 0 0 0	CDD 13 13 13 13 13 13	PRCP 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5	87 87 87 87 86	59 59 59 59 59	73 73 73 73 73 73	0 0 0 0 0	8 8 8 8 7	0.01 0.00 0.00 0.00 0.00	1 2 3 4 5	78 77 77 77 77	52 52 52 51 51	65 65 64 64	3 3 3 3 3 3	3 3 2 2 2	0.03 0.03 0.03 0.03 0.03
1 2 3 4 5	93 93 93 93 93	63 63 63 63 63 63	78 78 78 78 78 78 78	ER HDD 0 0 0 0	CDD 13 13 13 13 13 13 13	PRCP 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5	87 87 87 87 86 86	59 59 59 59 59 58	73 73 73 73 73 72 72	0 0 0 0 0	8 8 8 8 7 7	0.01 0.00 0.00 0.00 0.00	1 2 3 4 5	78 77 77 77 77 76	52 52 52 51 51	AVG 65 65 64 64 64	3 3 3 3 3 4	3 3 2 2 2 2	0.03 0.03 0.03 0.03 0.03
1 2 3 4 5 6 7	93 93 93 93 93 93 93	63 63 63 63 63 63 63 62	78 78 78 78 78 78 78 78	ER HDD 0 0 0 0 0	CDD 13 13 13 13 13 13 13 13	PRCP 0.01 0.01 0.01 0.01 0.01 0.01	1 2 3 4 5 6 7	87 87 87 87 86 86	59 59 59 59 59 58 58	73 73 73 73 73 72 72 72	0 0 0 0 0 0	8 8 8 8 7 7 7	0.01 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7	78 77 77 77 77 76 76	52 52 52 51 51 51	65 65 64 64 64 64 63	3 3 3 3 3 4 4	3 3 2 2 2 2 2 2	0.03 0.03 0.03 0.03 0.03 0.03
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1 2 3 4 5 6 7 8 9	93 93 93 93 93 93 93 92 92	63 63 63 63 63 63 62 62 62 62	78 78 78 78 78 78 78 78 77 77	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 13 12 12	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9	87 87 87 86 86 86 85 85	59 59 59 59 58 58 58 58 57	AVG 73 73 73 73 72 72 72 72 71 71	HDD 0 0 0 0 0 0	8 8 8 8 7 7 7 7 7	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9	78 77 77 77 77 76 76 76 75	52 52 52 51 51 51 51 51 50 50	AVG 65 65 64 64 64 63 63 63	3 3 3 3 3 4 4 4 4 4	3 3 2 2 2 2 2 2 2 2 2 2	0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
1 2 3 4 5 6 7 8	93 93 93 93 93 93 93 92 92	63 63 63 63 63 63 62 62 62	78 78 78 78 78 78 78 78 77	## HDD 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 13 13 12	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10	87 87 87 87 86 86 86 85	59 59 59 59 58 58 58 58	73 73 73 73 72 72 72 72 72 71	0 0 0 0 0 0 0 0 0	8 8 8 7 7 7 7	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10	78 77 77 77 77 76 76 76	MIN 52 52 52 51 51 51 51 51 50	65 65 64 64 64 63 63 63	3 3 3 3 3 4 4 4 4	3 3 2 2 2 2 2 2 2 2	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10	93 93 93 93 93 93 93 92 92 92	63 63 63 63 63 63 62 62 62 62 62	AVG 78 78 78 78 78 78 77 77 77	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 13 12 12 12 12	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12	87 87 87 86 86 86 85 85 85	59 59 59 59 58 58 58 58 57 57	AVG 73 73 73 72 72 72 72 71 71	0 0 0 0 0 0 0 0	8 8 8 8 7 7 7 7 7 6	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11	78 77 77 77 76 76 76 75 75	52 52 51 51 51 51 51 50 50	65 65 64 64 64 63 63 63 63	HDD 3 3 3 3 4 4 4 4 4 4 4	3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14	93 93 93 93 93 93 92 92 92 92 92 91 91	MIN 63 63 63 63 63 63 62 62 62 62 62 62 62 62 62	78 78 78 78 78 78 78 78 77 77 77 77	ER HDD 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 13 12 12 12 12 12	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14	87 87 87 87 86 86 85 85 85 85 85 84 84	59 59 59 59 58 58 58 57 57 57 57 57	AVG 73 73 73 73 72 72 72 72 71 71 71	HDD 0 0 0 0 0 0 0 0 0	8 8 8 8 7 7 7 7 7 6 6	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14	78 77 77 77 76 76 76 75 75 75 74 74	52 52 52 51 51 51 51 51 50 50	65 65 64 64 64 63 63 63 63 62 62	HDD 3 3 3 3 4 4 4 4 4 5	3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	93 93 93 93 93 93 92 92 92 92 92 91 91	63 63 63 63 63 63 62 62 62 62 62 62 62 62	AVG 78 78 78 78 78 78 78 77 77 7	ER HDD	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 12 12	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	87 87 87 86 86 86 85 85 85 85 84 84 84	59 59 59 59 58 58 58 57 57 57 57 57 57	AVG 73 73 73 73 72 72 72 72 71 71 70 70 70	HDD 0 0 0 0 0 0 0 0 0 0 0 0 0	8 8 8 8 7 7 7 7 7 6 6 6 6 6 6 5	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	78 77 77 77 76 76 76 75 75 75 74 74 74	52 52 52 51 51 51 51 50 50 50 49 49	65 65 64 64 64 63 63 63 63 62 62 62 62 62	HDD 3 3 3 3 3 4 4 4 4 5 5 5 5 5	3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	93 93 93 93 93 93 92 92 92 92 92 91 91 91	MIN 63 63 63 63 63 63 62 62 62 62 62 62 62 62 62 62 62 62	AVG 78 78 78 78 78 78 78 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 12 11	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	87 87 87 86 86 86 85 85 85 85 84 84 84 83	MIN 59 59 59 59 58 58 58 58 57 57 57 57 56 56 56	AVG 73 73 73 73 72 72 72 71 71 70 70 70	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1	8 8 8 7 7 7 7 6 6 6 6 6 5 5	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	78 77 77 77 76 76 76 75 75 75 74 74 74 74 73	52 52 52 51 51 51 51 50 50 50 49 49 49	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61	HDD 3 3 3 3 4 4 4 4 5 5 5 5 5	3 3 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	93 93 93 93 93 93 92 92 92 92 91 91 91 91	63 63 63 63 63 63 62 62 62 62 62 62 62 62 62 62 62	78 78 78 78 78 78 78 78 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 12 11 11	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	87 87 87 86 86 86 85 85 85 85 84 84 84 83 83	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56	AVG 73 73 73 72 72 72 72 71 71 71 70 70 70 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1	8 8 8 7 7 7 7 6 6 6 6 6 5 5 5	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	78 77 77 77 76 76 76 75 75 74 74 74 74 73 73	52 52 52 51 51 51 51 50 50 50 49 49 49 49	65 65 64 64 64 63 63 63 62 62 62 62 61 61	HDD 3 3 3 3 4 4 4 4 5 5 5 5 5 5 5	3 3 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	93 93 93 93 93 93 92 92 92 91 91 91 91 91	63 63 63 63 63 62 62 62 62 62 62 62 62 62 62 62	78 78 78 78 78 78 78 77 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 11 11 11	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	87 87 87 86 86 86 85 85 85 85 84 84 84 83 83 83	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56	AVG 73 73 73 72 72 72 71 71 71 70 70 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	8 8 8 8 7 7 7 7 7 6 6 6 6 6 5 5 5 5	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	78 77 77 77 76 76 76 75 75 74 74 74 74 73 73	52 52 52 51 51 51 51 50 50 50 49 49 49 49	65 65 64 64 64 63 63 63 62 62 62 62 61 61 61	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6	3 3 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	93 93 93 93 93 93 92 92 92 92 91 91 91 91 90 90	63 63 63 63 63 63 62 62 62 62 62 62 62 62 62 62 62 62 62	78 78 78 78 78 78 78 77 77 77 77 77 76 76 76 76 76 76	ER HDD	CDD 13 13 13 13 13 13 13 12 12 12 12 12 11 11 11	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	87 87 87 86 86 86 85 85 85 85 84 84 84 83 83 83 82 82	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56 56 56	AVG 73 73 73 72 72 72 72 71 71 71 70 70 70 69 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	8 8 8 8 7 7 7 7 7 6 6 6 6 5 5 5 5 5 5 5 5 5 5 5	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	78 77 77 77 76 76 76 75 75 74 74 74 74 73 73 73 73	52 52 52 51 51 51 51 50 50 50 49 49 49 49 48 48	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61 61 61 61	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	93 93 93 93 93 93 92 92 92 92 91 91 91 91 90 90	MIN 63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61	78 78 78 78 78 78 78 77 77 77 77 77 76 76 76 76 76 76 76	ER HDD	CDD 13 13 13 13 13 13 13 12 12 12 12 12 11 11 11 11	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	87 87 87 86 86 86 85 85 85 85 84 84 84 83 83 83 82 82	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56 55 55	AVG 73 73 73 72 72 72 72 71 71 71 70 70 70 69 69 69 69	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	8 8 8 8 7 7 7 7 7 6 6 6 6 5 5 5 5 5 5 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	78 77 77 77 76 76 76 76 75 75 74 74 74 74 73 73 73 73 73	MIN 52 52 52 51 51 51 51 50 50 50 49 49 49 49 49 48 48 48	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61 61 61 60 60	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	93 93 93 93 93 93 92 92 92 92 91 91 91 91 90 90	63 63 63 63 63 63 62 62 62 62 62 62 62 62 62 61 61 61	78 78 78 78 78 78 78 77 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 11 11 11 11 11	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	87 87 87 86 86 86 85 85 85 85 84 84 84 83 83 83 83 82 82 82	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56 55 55	AVG 73 73 73 72 72 72 72 71 71 71 70 70 70 69 69 69 69 68	HDD 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	8 8 8 7 7 7 7 7 6 6 6 6 5 5 5 5 5 5 4 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	78 77 77 77 76 76 76 75 75 74 74 74 73 73 73 73 72 72	52 52 52 51 51 51 51 50 50 50 49 49 49 49 49 48 48 48	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61 61 61 60 60	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	93 93 93 93 93 93 92 92 92 92 91 91 91 91 90 90	MIN 63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61	78 78 78 78 78 78 78 77 77 77 77 77 77 7	ER HDD	CDD 13 13 13 13 13 13 13 12 12 12 12 12 11 11 11 11 10 10	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	87 87 87 86 86 86 85 85 85 85 84 84 84 83 83 83 82 82 82 82	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56 55 55 55	AVG 73 73 73 72 72 72 72 71 71 70 70 70 69 69 69 69 68 68	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1	8 8 8 8 7 7 7 7 7 6 6 6 6 5 5 5 5 5 5 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	78 77 77 77 76 76 76 75 75 74 74 74 73 73 73 73 72 72 72	MIN 52 52 52 51 51 51 51 50 50 50 49 49 49 49 49 48 48 48	65 65 64 64 64 63 63 63 62 62 62 62 61 61 61 60 60 60	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 6 6	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05 0.05
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	93 93 93 93 93 93 92 92 92 92 91 91 91 91 90 90 90	63 63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61	78 78 78 78 78 78 78 77 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 11 11 11 11 11	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	87 87 87 86 86 86 85 85 85 85 84 84 84 83 83 83 83 82 82 82	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56 55 55	AVG 73 73 73 72 72 72 72 71 71 71 70 70 70 69 69 69 69 68	HDD 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1	8 8 8 7 7 7 7 7 6 6 6 6 5 5 5 5 5 4 4 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	78 77 77 77 76 76 76 75 75 74 74 74 73 73 73 73 72 72	52 52 52 51 51 51 51 50 50 50 49 49 49 49 49 48 48 48 48	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61 61 61 60 60	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	93 93 93 93 93 93 92 92 92 92 91 91 91 91 90 90 90 90 89	63 63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61 61	78 78 78 78 78 78 78 77 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 11 11 11 11 11 10 10 10	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	87 87 87 87 86 86 85 85 85 85 84 84 84 83 83 83 82 82 82 82 81 81	MIN 59 59 59 59 58 58 58 57 57 57 57 56 56 56 56 55 55 55	AVG 73 73 73 72 72 72 71 71 70 70 70 69 69 69 68 68 68	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	8 8 8 7 7 7 7 6 6 6 6 6 5 5 5 5 5 4 4 4 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	78 77 77 77 76 76 76 75 75 74 74 74 73 73 73 73 73 73 72 72 72 72	52 52 52 51 51 51 51 50 50 50 49 49 49 49 49 48 48 48 47 47	AVG 65 64 64 64 63 63 63 62 62 62 61 61 61 60 60 60 59	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 6 6 6	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05 0.05 0.05
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	93 93 93 93 93 93 92 92 92 92 91 91 91 90 90 90 89	63 63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61 61 61	78 78 78 78 78 78 78 78 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 12 11 11 11 11 10 10 10 10	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0	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	87 87 87 87 86 86 85 85 85 85 84 84 84 83 83 83 82 82 82 82 81 81	59 59 59 59 58 58 57 57 57 57 57 56 56 56 56 55 55 55	AVG 73 73 73 72 72 72 72 71 71 70 70 70 69 69 69 69 68 68 68 68	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 2	8 8 8 7 7 7 7 6 6 6 6 6 5 5 5 5 4 4 4 4 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	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	78 77 77 77 76 76 76 76 75 75 74 74 74 73 73 73 73 73 72 72 72 72 71	52 52 52 51 51 51 51 50 50 50 49 49 49 49 49 49 49 47 47	AVG 65 65 64 64 64 63 63 63 62 62 62 61 61 61 60 60 60 59 59	HDD 3 3 3 3 4 4 4 4 5 5 5 6 6 6 6 6 7	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05
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	93 93 93 93 93 93 92 92 92 92 91 91 91 91 90 90 90 90 89 89 89 88	63 63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61 61 60 60 60	78 78 78 78 78 78 78 77 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 11 11 11 11 10 10 10 10 9 9	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	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	87 87 87 86 86 86 85 85 85 84 84 84 83 83 82 82 82 82 81 81 80 80 80	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56 55 55 55 55 54 54 54 53	AVG 73 73 73 72 72 72 72 71 71 71 70 70 70 69 69 69 68 68 67 67 67	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 2 2 2 2 2	8 8 8 7 7 7 7 7 7 6 6 6 6 6 5 5 5 5 5 4 4 4 4 4 4 4 4 4 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	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	78 77 77 76 76 76 76 75 75 74 74 74 73 73 73 73 72 72 72 72 71 71 71	52 52 52 51 51 51 51 50 50 50 49 49 49 49 48 48 48 48 47 47 47 47 46	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61 61 60 60 60 59 59 59 59	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7	3 3 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.05
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 28	93 93 93 93 93 93 92 92 92 92 91 91 91 90 90 90 90 89 89 89 88 88 88	63 63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61 61 61 60 60 60 60	78 78 78 78 78 78 78 78 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 11 11 11 10 10 10 10 10 9 9 9	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	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 28	87 87 87 86 86 86 85 85 85 84 84 84 83 83 82 82 82 82 81 81 80 80 79	59 59 59 59 58 58 58 57 57 57 57 57 56 56 56 55 55 55 54 54 54 53 53	AVG 73 73 73 72 72 72 72 71 71 71 70 70 70 69 69 69 69 68 68 67 67 67 67 66	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2 2	8 8 8 8 7 7 7 7 7 7 6 6 6 6 6 5 5 5 5 5 5 4 4 4 4 4 4 4 4 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	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 28	78 77 77 77 76 76 76 76 75 75 74 74 74 73 73 73 73 72 72 72 72 71 71 71 71	52 52 52 51 51 51 51 50 50 50 49 49 49 49 49 48 48 48 48 47 47 47 47 46 46	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61 61 60 60 60 59 59 59 59 59 59 58	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 7	3 3 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.05
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 28 29	93 93 93 93 93 93 92 92 92 92 91 91 91 90 90 90 90 89 89 89 88 88 88 88	63 63 63 63 63 62 62 62 62 62 62 62 62 61 61 61 61 61 60 60 60 60	78 78 78 78 78 78 78 78 77 77 77 77 77 7	ER HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CDD 13 13 13 13 13 13 13 12 12 12 12 12 11 11 11 11 10 10 10 10 10 9 9 9 9 9	PRCP 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.	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 28 29	87 87 87 86 86 86 85 85 85 84 84 84 83 83 82 82 82 82 82 81 81 80 80 79 79	MIN 59 59 59 58 58 58 57 57 57 57 56 56 56 55 55 55 54 54 54 53 53	AVG 73 73 73 72 72 72 71 71 71 70 70 70 69 69 69 68 68 68 67 67 66 66 66	HDD 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1	8 8 8 8 7 7 7 7 7 6 6 6 6 6 5 5 5 5 5 5 4 4 4 4 4 4 4 4 4	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	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 28 29	78 77 77 77 76 76 76 76 75 75 74 74 74 73 73 73 72 72 72 71 71 71 71 71	MIN 52 52 51 51 51 51 50 50 50 49 49 49 49 48 48 48 47 47 47 47 46 46 46	65 65 64 64 64 63 63 63 63 62 62 62 62 61 61 61 60 60 60 60 59 59 59 59 59 58 58	HDD 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 7 7 7	3 3 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1	0.03 0.03 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.04 0.05
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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: fontana kaiser (ontario) ont california Station Number: 043120

Latitude: 34^B 05^* 00 (Longitude: -117^B 31^* 00 (Elevation (feet): 1102

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 /	ANNUAL	
0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.04	0.12	
0.010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	2.56	0.21	
0.050	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	4.51	0.79	
0.100	0.17	0.24	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18	5.91	1.45	
0.200	0.64	0.77	0.91	0.08	0.00	0.00	0.00	0.00	0.01	0.11	0.38	8.00	2.73	
0.300	1.16	1.30	1.41	0.17	0.01	0.00	0.00	0.00	0.04	0.26	0.60	9.80	4.08	
0.400	1.74	1.87	1.97	0.28	0.03	0.00	0.00	0.01	0.08	0.45	0.85	11.55	5.57	
0.500	2.42	2.52	2.60	0.41	0.06	0.00	0.00	0.04	0.13	0.70	1.15	13.36	7.27	
0.600	3.24	3.28	3.34	0.56	0.11	0.00	0.00	0.10	0.20	1.02	1.51	15.35	9.30	
0.700	4.28	4.23	4.28	0.76	0.19	0.00	0.00	0.21	0.30	1.46	1.97	17.69	11.87	
0.800	5.74	5.54	5.57	1.04	0.31	0.00	0.00	0.41	0.45	2.10	2.62	20.71	15.41	
0.900	8.23	7.74	7.73	1.53	0.54	0.04	0.16	0.79	0.72	3.24	3.73	25.43	21.34	
0.950	10.69	9.91	9.84	2.02	0.79	0.10	0.66	1.22	1.00	4.42	4.83	29.81	27.19	
0.990	16.40	14.85	14.68	3.15	1.43	0.23	2.49	2.31	1.66	7.24	7.39	39.22	40.57	
0.995	18.84	16.95	16.74	3.63	1.71	0.29	3.46	2.80	1.95	8.47	8.49	43.07	46.28	

	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	0.06	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	
	0.64	0.77	0.91	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.38	
2	0.65	0.78	0.92	0.09	0.01	0.00	0.00	0.00	0.01	0.02	0.12	0.39	
	1.74	1.87	1.97	0.28	0.03	0.00	0.00	0.00	0.01	0.08	0.45	0.85	
3	1.75	1.88	1.98	0.29	0.04	0.00	0.00	0.00	0.02	0.09	0.46	0.86	
	3.24	3.28	3.34	0.56	0.11	0.00	0.00	0.00	0.10	0.20	1.02	1.51	
4	3.25	3.29	3.35	0.57	0.12	0.00	0.00	0.00	0.11	0.21	1.03	1.52	
	5.74	5.54	5.57	1.04	0.31	0.00	0.00	0.00	0.41	0.45	2.10	2.62	
5	5.75	5.55	5.58	1.05	0.32	0.01	0.00	0.01	0.42	0.46	2.11	2.63	
	11.46	13.52	11.65	3.53	2.52	0.23	0.00	1.92	3.31	1.81	5.69	6.64	
6 >	11.46	13.52	11.65	3.53	2.52	0.23	0.00	1.92	3.31	1.81	5.69	6.64	

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