

2004

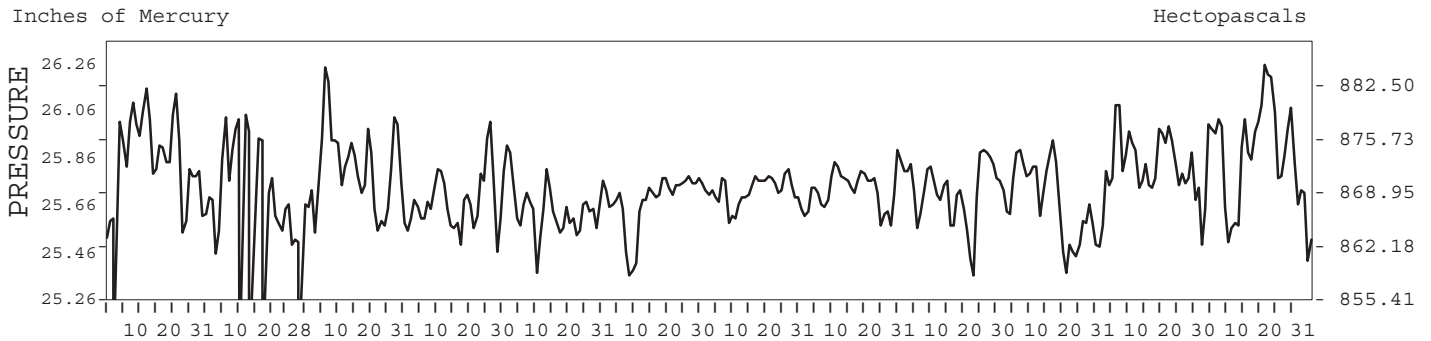
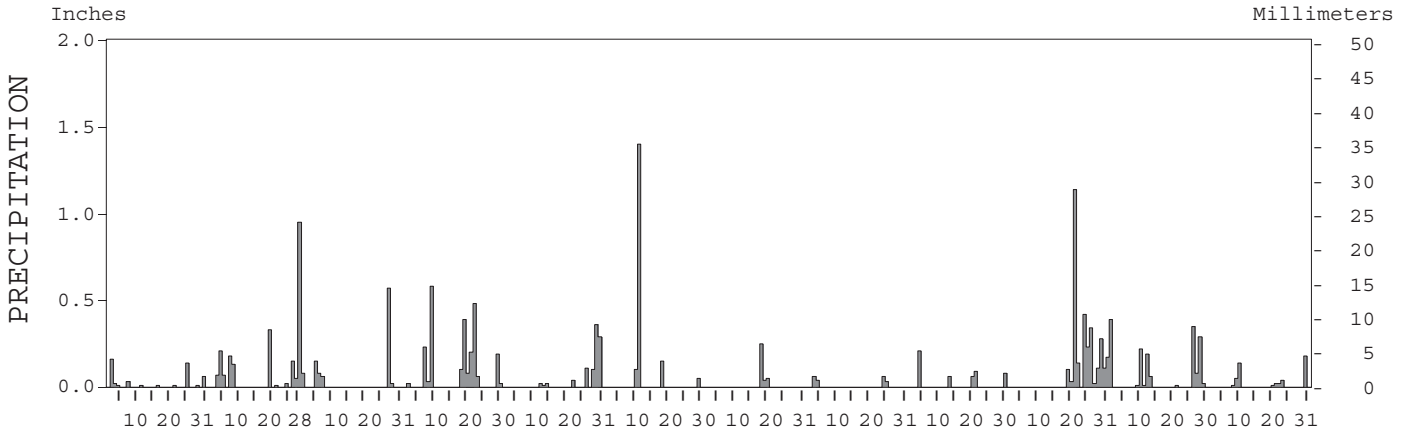
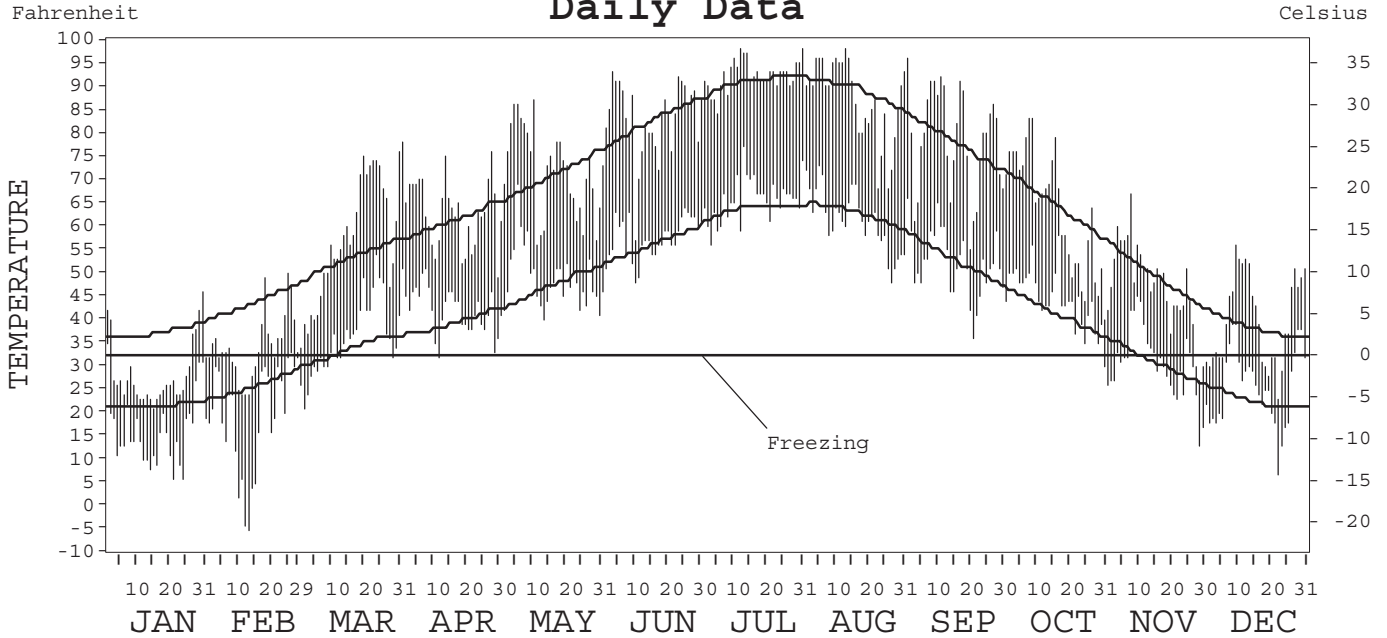
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-5280

SALT LAKE CITY, UTAH (SLC)

Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
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METEOROLOGICAL DATA FOR 2004

SALT LAKE CITY, UT (SLC)

LATITUDE: 40° 47' 13" N LONGITUDE: 111° 58' 05" W ELEVATION (FT): GRND: 4221 BARO: 4224 TIME ZONE: MOUNTAIN (UTC + 7) WBAN: 24127

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	28.5	34.2	58.5	62.8	71.8	83.0	92.2	87.2	78.5	63.3	47.3	39.9	62.3	
	HIGHEST DAILY MAXIMUM	46	56	78	76	87	93	98	98	96	83	67	56	98	
	DATE OF OCCURRENCE	30	14	31	27	10	03	12+	13	01	09+	08	10	AUG 13	
	MEAN DAILY MINIMUM	16.3	19.5	37.0	42.0	48.8	57.4	65.7	61.3	52.1	44.4	30.7	25.5	41.7	
	LOWEST DAILY MINIMUM	6	-5	21	32	40	48	56	48	36	30	13	7	-5	
	DATE OF OCCURRENCE	24+	13	01	11	13	10	03	27	21	31	29	23	FEB 13	
	AVERAGE DRY BULB	22.4	26.9	47.8	52.4	60.3	70.2	79.0	74.3	65.3	53.9	39.0	32.7	52.0	
	MEAN WET BULB			40.1	43.6	47.9	54.9	59.1	56.5	50.7	44.8	35.1	29.5		
	MEAN DEW POINT			31.0	34.0	34.6	41.9	43.7	42.7	37.3	35.4	30.3	25.0		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	6	27	17	6	0	0	0	0	56
	MAXIMUM ≤ 32°	25	11	0	0	0	0	0	0	0	0	3	12	51	
MINIMUM ≤ 32°	30	28	11	1	0	0	0	0	0	1	19	25	115		
MINIMUM ≤ 0°	0	2	0	0	0	0	0	0	0	0	0	0	2		
H/C	HEATING DEGREE DAYS	1311	1098	526	371	178	18	0	12	97	344	774	993	5722	
	COOLING DEGREE DAYS	0	0	0	0	42	181	441	304	114	7	0	0	1089	
RH	MEAN (PERCENT)	80	82	57	53	43	39	32	37	41	56	74	76	56	
	HOUR 05 LST	84	84	70	63	61	56	46	52	55	66	83	82	67	
	HOUR 11 LST	78	80	49	47	32	31	23	28	32	49	66	69	49	
	HOUR 17 LST	78	80	43	42	29	25	18	26	27	45	66	71	46	
	HOUR 23 LST	84	83	62	61	48	44	37	43	46	60	79	80	61	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	8	8	1	0	0	0	0	0	0	0	3	4	24	
	THUNDERSTORMS	0	0	0	4	2	5	6	7	4	0	1	0	29	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)			25.80	25.68	25.64	25.67	25.71	25.74	25.70	25.68	25.84	25.84		
	MEAN SEA-LEVEL PRESS. (IN.)	30.27		30.09	29.91	29.84	29.84	29.84	29.90	29.89	29.91	30.17	30.20		
WINDS	RESULTANT SPEED (MPH)	0.3		1.7	0.4	1.5	0.8	0.7	0.8	2.9	3.7	0.5	3.6		
	RES. DIR. (TENS OF DEGS.)	11		16	14	18	13	17	02	15	16	25	16		
	MEAN SPEED (MPH)	5.7	6.7	7.6	9.5	9.4	8.6	8.8	8.7	9.4	9.0	6.1	7.2	8.1	
	PREVAIL. DIR. (TENS OF DEGS.)	35	34	16	14	14	15	14	14	15	16	14	16	14	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	43	32	32	43	47	46	37	39	43	36	24	36	47	
	DIR. (TENS OF DEGS.)	16	16	19	33	29	25	33	22	18	29	33	15	29	
	DATE OF OCCURRENCE	01	26	31+	28	10	18	20	22+	18	18+	28	08+	MAY 10	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	51	39	39	48	71	60	51	49	51	45	28	46	71	
DIR. (TENS OF DEGS.)	16	15	19	33	29	24	23	24	17	30	34	16	29		
DATE OF OCCURRENCE	01	26	31+	28	10	18	07	02	18	18	28	31	MAY 10		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.46	2.25	0.88	2.38	0.95	1.70	0.34	0.19	0.50	3.48	1.24	0.52	14.89	
	GREATEST 24-HOUR (IN.)	0.16	0.95	0.57	0.65	0.59	1.50	0.29	0.08	0.21	1.15	0.43	0.18	1.50	
	DATE OF OCCURRENCE	02	28	26	20-21	28-29	09-10	17-18	23-24	03	19-20	25-26	29	JUN 09-10	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	10	12	5	12	8	4	3	4	5	13	10	9	95	
PRECIPITATION ≥ 0.10	2	6	2	7	4	3	1	0	1	11	4	2	43		
PRECIPITATION ≥ 1.00	0	0	0	0	0	1	0	0	0	1	0	0	2		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	9.9	19.8	3.9	1.0	0.0	T	0.0	0.0	0.0	0.1	3.3	3.7	41.7	
	GREATEST 24-HOUR (IN.)	4.1	5.2	2.3	1.0	0.0	T	0.0	0.0	0.0	0.1	3.0	1.8	5.2	
	DATE OF OCCURRENCE	25	28	04	28		10				31	27-28	22	FEB 28	
	MAXIMUM SNOW DEPTH (IN.)	8	7	4	0	0	0	0	0	0	0	2	2	8	
	DATE OF OCCURRENCE	02+	14+	01								28	23	JAN 02+	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	4	7	2	1	0	0	0	0	0	0	1	1	16		

PRECIPITATION (inches) 2004 SALT LAKE CITY, UT (SLC)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1975	1.28	1.24	3.44	2.46	2.58	1.81	0.28	0.10	0.08	1.91	1.71	1.03	17.92
1976	0.63	1.90	1.90	2.47	0.99	1.24	1.55	0.82	0.16	0.57	0.03	0.08	12.34
1977	0.76	0.64	3.10	0.59	4.76	0.06	0.61	1.85	1.85	0.83	1.20	1.42	17.67
1978	2.33	1.96	3.47	2.90	1.57	0.06	0.06	0.92	2.51	T	1.73	0.58	18.09
1979	0.72	1.05	0.80	1.04	0.84	0.35	0.40	0.63	0.05	1.29	0.98	0.55	8.70
1980	2.87	2.25	2.46	0.89	2.70	0.42	1.34	0.26	0.72	1.74	1.17	0.37	17.19
1981	0.64	0.81	2.11	0.45	3.68	1.03	0.33	0.23	0.48	3.91	1.03	1.89	16.59
1982	1.08	0.53	2.39	1.63	1.86	0.66	2.57	0.56	7.04	1.87	0.75	1.92	22.86
1983	1.19	1.36	3.97	1.63	2.58	0.62	1.02	2.64	1.03	1.62	2.23	4.37	24.26
1984	0.50	0.95	1.76	4.43	1.17	1.86	1.72	1.49	1.72	3.70	1.45	0.80	21.55
1985	0.91	0.85	1.80	0.64	2.95	1.30	0.85	0.03	1.98	1.61	2.63	1.42	16.97
1986	0.86	1.28	2.32	4.55	3.39	0.42	0.85	1.32	2.75	0.39	1.17	0.10	19.40
1987	1.53	1.41	1.52	0.79	2.41	0.19	0.79	0.36	0.05	1.18	1.17	1.10	12.50
1988	1.06	0.13	0.94	1.84	2.16	0.03	0.04	0.22	0.07	0.01	2.17	0.62	9.29
1989	0.56	1.57	1.77	0.46	1.83	0.22	0.39	0.90	0.49	1.82	0.73	0.13	10.87
1990	0.57	0.35	2.17	1.14	1.65	0.66	0.64	0.46	0.56	0.69	1.24	0.56	10.69
1991	1.11	0.61	1.11	2.71	2.76	1.09	0.32	0.86	2.55	2.10	2.17	0.40	17.79
1992	0.78	1.24	1.11	0.96	1.86	0.45	0.29	0.35	0.47	1.03	2.46	1.07	12.07
1993	3.23	1.35	1.37		3.99	1.14	1.38	0.46	0.22	2.77	0.54	0.88	
1994	0.62	1.53	1.28	2.94	1.29	T	0.06	0.61	0.32	2.24	2.96	1.43	15.28
1995	1.81	1.08	2.35	2.07	3.68	1.49	0.32	0.21	1.33	0.53	0.85	1.20	16.92
1996	3.09	1.54	2.71	2.20	1.32	0.09	0.41	0.02	1.03	1.45	1.72	1.73	17.31
1997	2.27	1.62	0.97	2.22	1.77	1.73	0.84	0.63	1.50	1.87	0.87	0.64	16.93
1998	1.63	4.89	2.97	2.09	1.04	3.84	1.57	0.46	1.53	1.25	1.27	1.27	23.81
1999	1.29	0.96	0.80	3.09	2.59	0.82	0.25	0.70	0.45	0.02	0.70	1.84	13.51
2000	2.17	1.80	0.80	0.76	1.62	0.36	0.42	2.00	1.86	2.00	1.31	1.24	16.34
2001	0.78	1.50	1.55	2.46	0.22	1.12	1.13	0.53	0.05	0.92	3.34	1.44	15.04
2002	1.19	0.30	2.47	2.49	0.48	0.18	0.14	0.03	1.12	0.71	0.64	0.54	10.29
2003	0.64	1.06	1.39	1.65	1.67	0.88	0.33	0.67	1.59	0.16	1.94	3.97	15.95
2004	0.46	2.25	0.88	2.38	0.95	1.70	0.34	0.19	0.50	3.48	1.24	0.52	14.89
POR= 130 YRS	1.31	1.38	1.85	2.03	1.81	0.91	0.62	0.80	0.94	1.42	1.34	1.33	15.74

WBAN : 24127

AVERAGE TEMPERATURE (°F) 2004 SALT LAKE CITY, UT (SLC)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1975	27.4	35.5	41.1	44.3	54.3	64.8	78.8	73.4	65.4	53.4	37.3	32.9	50.7
1976	27.9	34.1	38.1	49.3	62.2	67.6	78.7	72.3	66.4	51.0	41.8	29.4	51.6
1977	26.8	35.8	37.7	54.1	55.0	73.2	77.3	75.0	66.4	55.6	42.5	37.9	53.1
1978	36.3	39.8	48.0	50.2	56.0	69.2	78.0	74.0	64.0	55.5	41.0	26.8	53.2
1979	22.1	32.5	43.2	51.1	60.2	70.1	78.9	75.6	71.4	56.7	36.5	32.9	52.6
1980	33.7	36.0	41.5	52.7	57.0	67.5	77.6	74.1	66.3	52.6	41.3	33.6	52.8
1981	32.1	38.3	44.1	53.4	57.6	69.6	78.2	78.0	68.5	50.5	44.3	36.4	54.3
1982	29.8	32.3	43.3	46.5	56.7	68.0	75.5	78.4	64.0	48.8	38.1	29.9	50.9
1983	35.2	39.4	44.6	45.9	55.8	67.7	76.6	77.8	67.8	56.0	43.0	31.9	53.5
1984	23.8	25.8	40.1	48.5	61.6	67.3	78.5	77.2	66.5	49.5	42.7	29.9	51.0
1985	24.2	25.6	40.8	55.7	63.9	72.5	80.7	76.5	62.7	53.1	37.4	27.7	51.7
1986	29.0	41.4	47.7	48.8	57.2	73.5	74.2	77.9	60.2	51.3	40.9	29.8	52.7
1987	26.5	36.1	42.8	55.9	62.7	71.6	75.7	74.7	66.5	56.4	40.8	30.5	53.4
1988	25.0	34.8	41.4	52.0	59.6	75.7	80.9	76.5	63.8	60.0	41.1	28.1	53.2
1989	22.3	25.3	45.8	54.8	59.9	69.2	81.1	75.1	66.4	53.4	40.5	31.4	52.1
1990	33.4	32.8	45.0	54.9	57.8	72.0	78.9	76.2	72.0	54.0	41.4	21.0	53.3
1991	24.4	36.5	42.8	47.9	55.6	68.3	79.1	78.4	64.4	53.6	40.0	30.0	51.8
1992	25.6	39.3	49.3	57.1	65.6	70.4	75.4	77.3	66.5	56.0	34.1	27.1	53.6
1993	24.9	29.5	45.5	48.5	63.4	63.7	69.9	72.5	65.5	52.6	34.8	31.5	50.2
1994	36.8	35.3	45.6	52.1	63.0	74.3	80.7	80.8	70.5	51.3	32.6	31.6	54.6
1995	34.9	42.3	44.1	48.6	55.5	64.3	76.0	78.0	67.5	51.5	46.1	37.1	53.8
1996	33.0	30.8	45.3	50.6	59.9	73.4	80.5	77.8	64.7	53.9	43.4	37.1	54.2
1997	32.3	35.3	46.0	48.3	63.4	70.1	75.1	78.7	67.8	52.8	42.2	27.9	53.3
1998	37.9	37.5	40.4	48.1	58.6	62.6	79.7	77.6	68.1	51.0	42.9	29.6	52.8
1999	35.8	37.4	44.8	45.5	56.0	68.4	78.3	77.3	63.5	54.5	45.7	31.0	53.2
2000	35.1	39.8	42.0	54.5	61.7	72.1	80.8	78.9	64.6	52.3	31.4	30.7	53.7
2001	27.3	34.4	45.4	50.1	63.6	70.9	79.4	79.1	70.2	55.0	42.6	26.3	53.7
2002	26.0	27.9	38.9	51.6	59.9	71.9	81.9	75.5	66.0	49.8	37.6	35.5	51.9
2003	38.3	34.6	44.6	50.4	61.3	71.2	83.6	80.0	65.8	57.9	37.3	33.6	54.9
2004	22.4	26.9	47.8	52.4	60.3	70.2	79.0	74.3	65.3	53.9	39.0	32.7	52.0
POR= 130 YRS	28.5	33.4	41.2	49.4	58.4	68.3	77.4	75.5	65.2	53.2	40.3	31.2	51.8

HEATING DEGREE DAYS (base 65°F) 2004 SALT LAKE CITY, UT (SLC)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1975-76	0	1	62	365	825	989	1144	890	826	464	112	67	5745
1976-77	0	7	37	432	689	1096	1175	813	838	333	304	0	5724
1977-78	0	11	73	282	670	835	880	697	522	433	293	36	4732
1978-79	0	12	144	284	714	1178	1327	902	666	414	196	57	5894
1979-80	0	0	7	270	846	987	964	835	723	371	250	77	5330
1980-81	0	10	57	379	704	965	1013	742	641	346	233	46	5136
1981-82	0	0	34	444	614	879	1087	909	668	548	259	62	5504
1982-83	7	0	134	495	800	1080	916	710	624	569	314	36	5685
1983-84	6	0	49	276	650	1018	1269	1130	763	493	157	76	5887
1984-85	0	0	98	480	662	1084	1260	1097	740	285	109	17	5832
1985-86	0	0	140	360	821	1151	1110	655	527	477	283	14	5538
1986-87	6	0	203	416	720	1085	1186	803	679	291	123	17	5529
1987-88	0	0	51	260	719	1060	1235	870	723	381	222	3	5524
1988-89	0	0	142	158	711	1138	1318	1105	587	313	193	35	5700
1989-90	0	15	44	355	729	1036	971	895	612	297	232	30	5216
1990-91	0	0	17	347	704	1359	1249	792	682	508	289	32	5979
1991-92	0	0	78	347	742	1078	1220	741	481	247	57	33	5024
1992-93	11	14	42	285	921	1169	1237	986	596	489	151	108	6009
1993-94	19	3	82	391	902	1031	863	823	590	397	100	12	5213
1994-95	3	0	19	416	963	1028	927	628	642	486	288	104	5504
1995-96	0	0	75	415	559	856	986	986	607	428	175	5	5092
1996-97	0	0	123	384	642	858	1009	827	583	495	115	17	5053
1997-98	6	0	61	382	677	1145	835	763	754	504	202	118	5447
1998-99	0	0	57	428	657	1089	898	766	619	578	295	63	5450
1999-00	0	0	95	322	573	1047	920	723	704	311	154	15	4864
2000-01	0	0	99	388	1002	1056	1162	850	598	450	123	62	5790
2001-02	0	0	27	310	662	1194	1201	1035	800	396	221	47	5893
2002-03	0	0	56	466	817	907	821	846	628	434	230	25	5230
2003-04	0	0	75	242	827	967	1311	1098	526	371	178	18	5613
2004-	0	12	97	344	774	993							

WBAN : 24127

COOLING DEGREE DAYS (base 65°F) 2004 SALT LAKE CITY, UT (SLC)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1975	0	0	0	0	9	89	439	269	80	14	0	0	900
1976	0	0	0	0	34	151	431	237	87	3	0	0	943
1977	0	0	0	12	2	254	389	328	123	0	0	0	1108
1978	0	0	0	0	21	167	411	299	120	0	0	0	1018
1979	0	0	0	2	54	214	439	336	208	21	0	0	1274
1980	0	0	0	9	10	159	399	301	99	1	0	0	978
1981	0	0	0	3	12	190	412	409	145	2	0	0	1173
1982	0	0	0	0	11	158	338	423	109	0	0	0	1039
1983	0	0	0	0	37	123	370	405	138	4	0	0	1077
1984	0	0	0	3	58	153	426	383	147	4	0	0	1174
1985	0	0	0	11	78	249	493	364	79	0	0	0	1274
1986	0	0	0	0	47	277	296	407	66	0	0	0	1093
1987	0	0	0	25	60	222	338	309	103	0	0	0	1057
1988	0	0	0	0	61	334	501	363	112	9	0	0	1380
1989	0	0	0	13	43	171	506	337	92	0	0	0	1162
1990	0	0	0	2	19	247	438	351	235	11	0	0	1303
1991	0	0	0	1	3	138	442	425	63	4	0	0	1076
1992	0	0	0	15	81	204	340	401	93	14	0	0	1148
1993	0	0	0	0	108	75	178	246	102	13	0	0	722
1994	0	0	0	16	46	300	498	500	189	0	0	0	1549
1995	0	0	0	0	2	89	347	409	158	5	0	0	1010
1996	0	0	0	2	24	264	490	405	125	48	0	0	1358
1997	0	0	0	0	71	178	324	431	151	15	0	0	1170
1998	0	0	0	3	13	53	462	399	156	0	0	0	1086
1999	0	0	0	0	22	172	416	388	58	6	0	0	1062
2000	0	0	0	4	61	233	497	438	91	2	0	0	1326
2001	0	0	0	9	87	249	452	445	191	8	0	0	1441
2002	0	0	0	4	70	259	529	330	95	0	0	0	1287
2003	0	0	0	3	122	219	584	474	110	29	0	0	1541
2004	0	0	0	0	42	181	441	304	114	7	0	0	1089

SNOWFALL (inches) 2004 SALT LAKE CITY, UT (SLC)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1975-76	0.0	0.0	0.0	0.1	18.0	11.8	8.6	15.8	18.7	3.5	0.0	T	76.5
1976-77	0.0	0.0	0.0	0.0	T	1.2	8.6	3.2	41.9	4.8	0.6	0.0	60.3
1977-78	0.0	0.0	0.0	0.2	8.5	8.2	15.6	15.5	6.2	2.5	4.6	0.0	61.3
1978-79	0.0	0.0	1.0	0.0	17.4	8.7	13.8	12.4	3.6	7.7	T	0.0	64.6
1979-80	0.0	0.0	0.0	0.0	4.6	8.5	24.5	2.9	19.9	1.2	T	0.0	61.6
1980-81	0.0	0.0	0.0	T	3.9	3.3	8.9	2.7	11.1	0.3	T	T	30.2
1981-82	0.0	0.0	0.0	4.4	2.4	11.5	15.3	4.5	10.2	9.5	T	T	57.8
1982-83	0.0	0.0	0.0	0.2	1.0	20.1	6.2	1.0	13.3	9.0	5.0	0.0	55.8
1983-84	0.0	0.0	0.0	0.0	5.9	34.2	7.6	18.5	6.7	25.1	T	T	98.0
1984-85	0.0	0.0	T	20.4	6.6	12.9	12.7	11.4	8.0	0.7	0.0	0.0	72.7
1985-86	0.0	0.0	0.0	T	27.2	14.7	3.9	1.7	1.0	5.5	T	0.0	54.0
1986-87	0.0	0.0	T	0.0	4.4	1.7	16.4	9.9	3.0	2.1	0.0	0.0	37.5
1987-88	0.0	0.0	0.0	0.0	0.6	11.0	16.3	0.4	6.1	T	0.9	0.0	35.3
1988-89	0.0	0.0	T	0.0	8.5	12.5	9.4	27.5	2.1	T	0.0	0.0	60.0
1989-90	0.0	0.0	0.0	2.7	2.4	1.7	8.2	8.5	11.8	0.7	T	T	36.0
1990-91	0.0	0.0	T	0.0	4.8	14.3	10.9	1.2	1.9	13.7	T	0.0	46.8
1991-92	T	T	T	2.8	11.4	6.8	12.2	4.7	0.2	0.4	0.0	0.0	38.5
1992-93	0.0	T	0.0	0.0	14.2	16.9	50.3	13.2	T	2.4	1.7	T	98.7
1993-94	0.0	T	0.0	0.0	6.1	8.3	6.2	15.0	3.1	0.1	0.0	0.0	38.8
1994-95	0.0	0.0	0.0	T	33.3	13.6	11.1	13.3	7.3	6.6	T	T	85.2
1995-96	0.0	0.0	0.0	0.5	0.1	1.4	45.0	22.6	11.2	4.9	T	0.0	85.7
1996-97	T	0.0	0.0	5.1	3.5	16.0	16.2	11.0	7.1	4.4	T	T	63.3
1997-98	0.0	0.0	0.0	1.7	T	6.6	6.3	32.1	14.8	3.7	0.0	T	65.2
1998-99	0.0	0.0	T	0.0	2.1	6.6	8.4	8.6	3.0	3.5	T	0.0	32.2
1999-00	0.0	T	0.0	0.0	5.5	18.0	15.0	5.1	6.2	T	0.5	0.0	50.3
2000-01	0.0	0.0	0.0	0.0	17.0	12.9	6.5	13.1	5.3	9.9	0.0	0.0	64.7
2001-02	T	0.0	0.0	T	18.8	19.9	16.1	0.7	14.4	3.6	0.0	0.0	73.5
2002-03	0.0	0.0	0.0	T	0.2	3.4	T	9.0	5.3	4.4	T	0.0	22.3
2003-04	0.0	0.0	0.0	1.0	10.7	31.2	9.9	19.8	3.9	1.0	0.0	T	77.5
2004-	0.0	0.0	0.0	0.1	3.3	3.7							
POR= 75 YRS	T	T	0.1	1.2	7.0	11.9	13.3	9.8	9.0	4.8	0.6	T	57.7

WBAN : 24127

REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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2004 SALT LAKE CITY, UTAH (SLC)

Salt Lake City is located in a northern Utah valley surrounded by mountains on three sides and the Great Salt Lake to the northwest. The city varies in altitude from near 4,200 to 5,000 feet above sea level.

The Wasatch Mountains to the east have peaks to nearly 12,000 feet above sea level. Their orographic effects cause more precipitation in the eastern part of the city than over the western part.

The Oquirrh Mountains to the southwest of the city have several peaks to above 10,000 feet above sea level. The Traverse Mountain Range at the south end of the Salt Lake Valley rises to above 6,000 feet above sea level. These mountain ranges help to shelter the valleys from storms from the southwest in the winter, but are instrumental in developing thunderstorms which can drift over the valley in the summer.

Besides the mountain ranges, the most influential natural condition affecting the climate of Salt Lake City is the Great Salt Lake. This large inland body of water, which never freezes over due to its high salt content, can moderate the temperatures of cold winter winds blowing from the northwest and helps drive a lake/valley wind system. The warmer lake water during the winter and spring also contributes to increased precipitation in the valley downwind from the lake. The combination of the Great Salt Lake and the Wasatch Mountains often enhances storm precipitation in the valley.

Salt Lake City normally has a semi-arid continental climate with four well-defined seasons. Summers are characterized by hot, dry weather, but the high temperatures are usually not oppressive since the relative humidity is generally low and the nights usually cool. July is the hottest month with temperature readings in the 90s.

The mean diurnal temperature range is about 30 degrees in the summer and 18 degrees during the winter. Temperatures above 102 degrees in the summer or colder than -10 degrees in the winter are likely to occur one season out of four.

Winters are cold, but usually not severe. Mountains to the north and east act as a barrier to frequent invasions of cold continental air. The average annual snowfall is under 60 inches at the airport but much higher amounts fall in higher bench locations. Heavy fog can develop under temperature inversions in the winter and persist for several days.

Precipitation, generally light during the summer and early fall, is heavy in the spring when storms from the Pacific Ocean are moving through the area more frequently than at any other season of the year.

Winds are usually light, although occasional high winds have occurred in every month of the year, particularly in March.

The growing season is over five months in length. Yard and garden foilage generally are making good growth by mid-April. The last freezing temperature in the spring averages late April and the first freeze of the fall is mid-October.

STATION LOCATION

SALT LAKE CITY, UTAH

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS
						SEA LEVEL		GROUND									
						GROUND	SEA LEVEL	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET	RAIN GAUGE	WIND GAUGE	8 INCH RAIN GAUGE		
*NOTE: <u>AIRPORT</u> FAA-WBO Building Municipal Airport+ 175 N. 23rd West Street +International Airport effective in July 1968	7/02/54	6/30/78	325 ft. SE	40°46'	111°58'	4220 c4221	a20	33	32		41	41	41	d6	a. Commissioned 3600 ft. NW of office 7/29/60. Previous exposure was 33 ft. with triple register sensors at 29 feet. b. Commissioned 3600 ft. NW of office 9/1/59. c. Minor move 3/8/78. d. Minor move 2/5/64.		
Executive Terminal Bldg International Airport	6/30/78	03/01/98	.2 mi. NNE	40°47'	111°57'	4221	20	6	6	5	3	5	3	6 e6	e. Type change 1/15/86.		
International Airport	03/01/98	Present	NA	40°47'	111°58'	f4221								S	f. ASOS Commissioned 03/01/98 f. Ground elevation.		

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* NOTES: For earlier station history see previous editions.