

OKLAHOMA MONTHLY SUMMARY MAY 1992

TABLE OF CONTENTS

May 1992 Oklahoma Summary.....	1
Table of May 1991/1992 Comparisons.....	4
May 1992 Data Summary Tables.....	5
May 1992 State Map Summary.....	10
July Climatological Normals.....	14
90-Day National Weather Service Outlook.....	16
Explanation of Tables and Maps.....	17
July 1992 Oklahoma City Climate Calendar.....	19
July 1992 Tulsa Climate Calendar.....	20

MAY 1992 MONTHLY SUMMARY

Oklahoma's climate during May 1992 was relatively tame despite the occurrence of multiple tornadoes just before mid-month. The established pattern during the first third of the month, featuring warm days and cool nights, gave way to a typically spring-like middle third which featured violent thunderstorms and locally heavy rains. During the final third of the month, cloudiness and frequent light rain held temperatures well below seasonal averages and hampered or delayed outdoor activities. Total precipitation for the state, averaging 4.74 inches statewide, was slightly below normal. Average precipitation in the south central and east central climate divisions (CDs) exceeded the long-term averages by approximately 20 per cent. Three other divisions, north central, northeast and west central, experienced precipitation that was less than 80 percent of normal. Each of the 9 CDs reported below normal average temperatures for the month. The statewide average temperature of 66.3 degrees was 2.4 degrees below normal, making the month the 17th coolest May of the 101 on record.

Precipitation for the year through the end of May averages 12.18 inches across the state, 1.57 inches below normal. Thus far, 1992 is the 36th driest year on record. The statewide average temperature for the year, thus far, is 54.2 degrees, 2.5 degrees above normal. The year-to-date temperature is the 13th warmest in state history. The three months of climatological spring (March, April and May), averaged 60.3 degrees (.3 degree above normal, 38th warmest) with 9.75 inches of precipitation (1.01 inches below normal, the 38th driest May).

The highest temperature reported in the state during May, 107 degrees, occurred at Buffalo on the first. Temperatures in the 90s were common in the west on the first two days of the month while much milder weather prevailed elsewhere. Precipitation was spotty and light across the state from the first through the morning of the ninth. The west was relatively warm with highs in the 80s and low 90s. The east was considerably cooler, with several stations reporting low temperatures in the 30s on the 6th, 7th, 8th and 9th. The lowest temperature of the month, 33 degrees was reported at Tahlequah on the 6th.

A strong upper-level disturbance approaching from the west began to affect the state on the 9th. The system triggered numerous thunderstorms over the next several days, including a 6-inch deluge at Tecumseh on the night of the 10th and the early morning of the 11th. Welty, Konawa, Hanna, Purcell and Holdenville each reported daily precipitation amounts in excess of three inches on the mornings of the 11th or 12th. Several tornadoes were documented by the National Weather Service on the 11th. The strongest storms were in south central and southeastern Oklahoma, but reports of tornadoes were also received from Kay, Kingfisher and Canadian Counties. Thirty-eight structures were damaged and 9 persons injured when a tornado struck Kingston in Marshall County. Damage was expected to exceed 1 million dollars. Three injuries were reported from a strong tornado between Kiowa and Savanna in Pittsburg County. Other tornadoes were reported in Garvin, Atoka, Coal, Pontotoc and Latimer Counties.

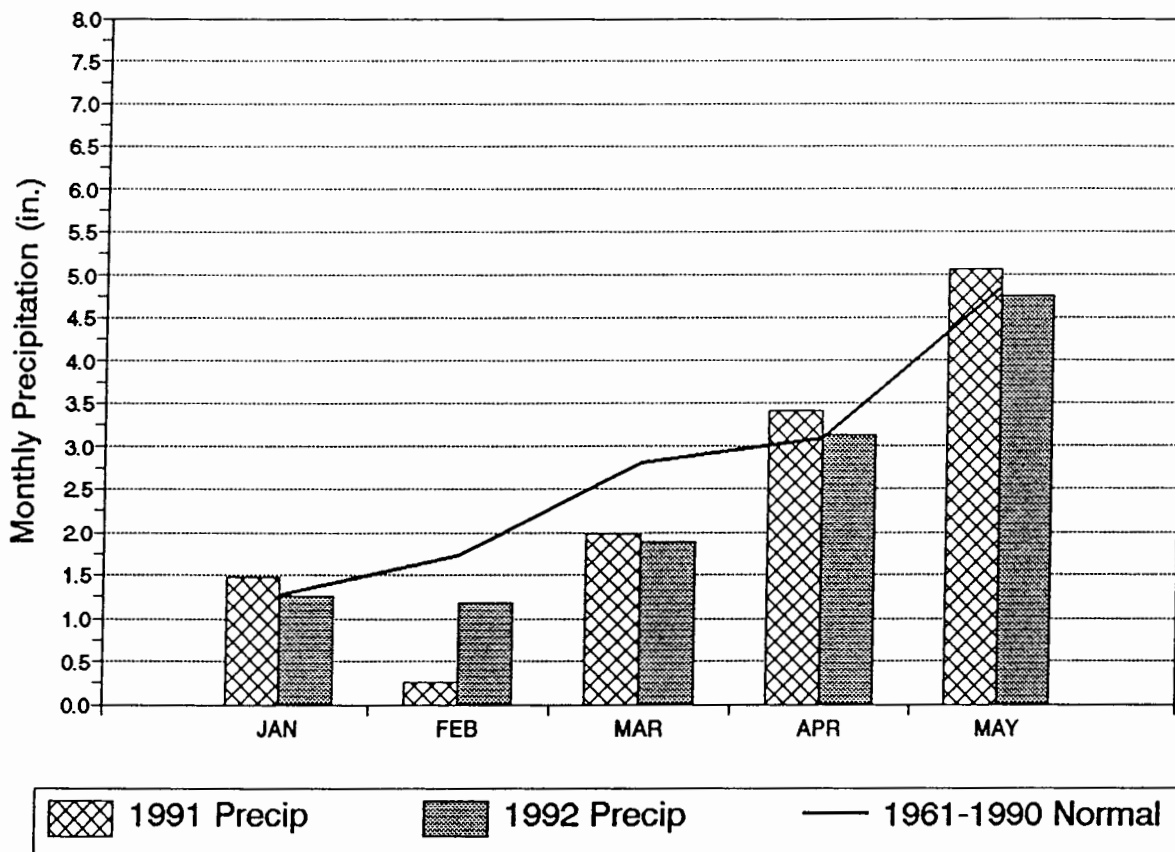
Heavy rains, strong winds and hail associated with thunderstorms were reported again on the 12th, 13th and 14th. On the afternoon of the 13th, an unofficial report indicated that as much as 5 inches of rain had fallen in about an hour at Lane, causing the flooding of some roadways.

Precipitation continued on an almost daily basis at most locations through the end of the month. For the most part, precipitation amounts were not great, although exceptions were notable. Ponca City reported street flooding on the 15th, Carnegie reported 3.80 inches on the 17th. Pontotoc on the 17th, Wilburton on the 18th, Tuskahoma on the 19th, and Ketchum Ranch and Fort Sill on the 28th all reported daily precipitation in excess of two and one-half inches. Heavy rain in the vicinity of Cache on the 28th led to temporary flooding on a state highway in the area. Hail and thunderstorm reports were rare after the 15th, except with some strong thunderstorms in northwestern Oklahoma on the 22nd and in south central Oklahoma on the 23rd.

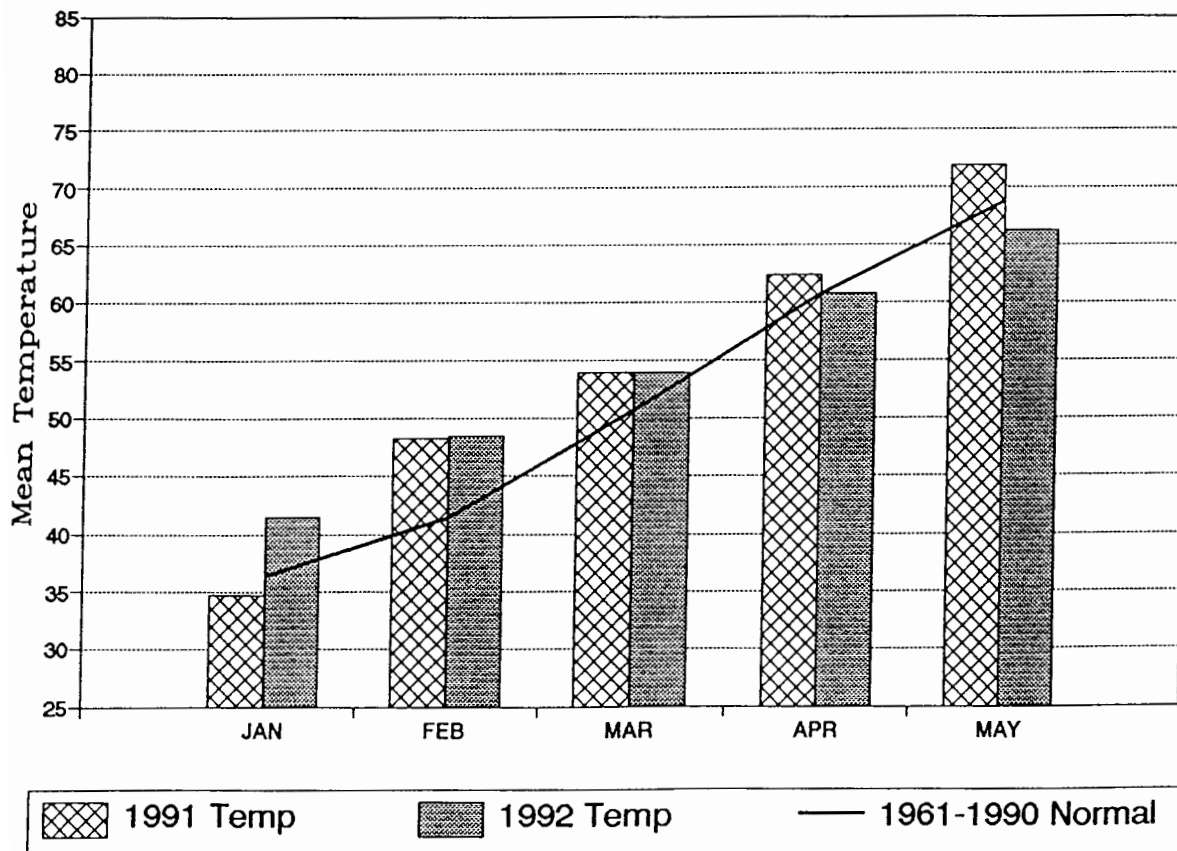
Temperatures were greatly suppressed during the last half of the month by the cloudy weather. During the final seven days of the month, only one reporting station managed to top 80 degrees (Hulah Dam on the 26th). The Panhandle community of Hooker failed to break 50 degrees on either the 28 or 29th. Records for lowest daily maximum temperature were broken near the end of the month at several locations. Newkirk on the 26th and Guymon on the 28th both reported low temperatures of 39 degrees, not quite what long-term residents of Oklahoma have come to expect in late May.

Howard L. Johnson

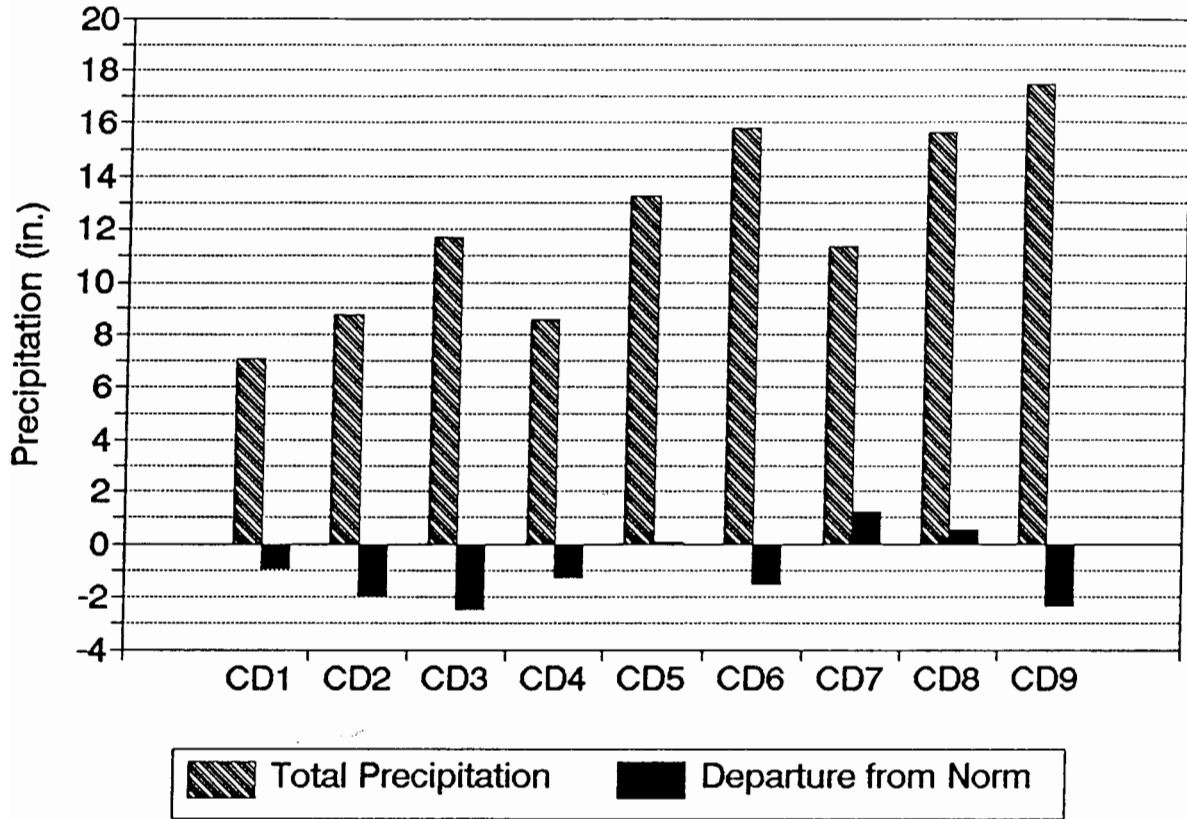
1991 and 1992 STATEWIDE PRECIPITATION January Through May Monthly Totals



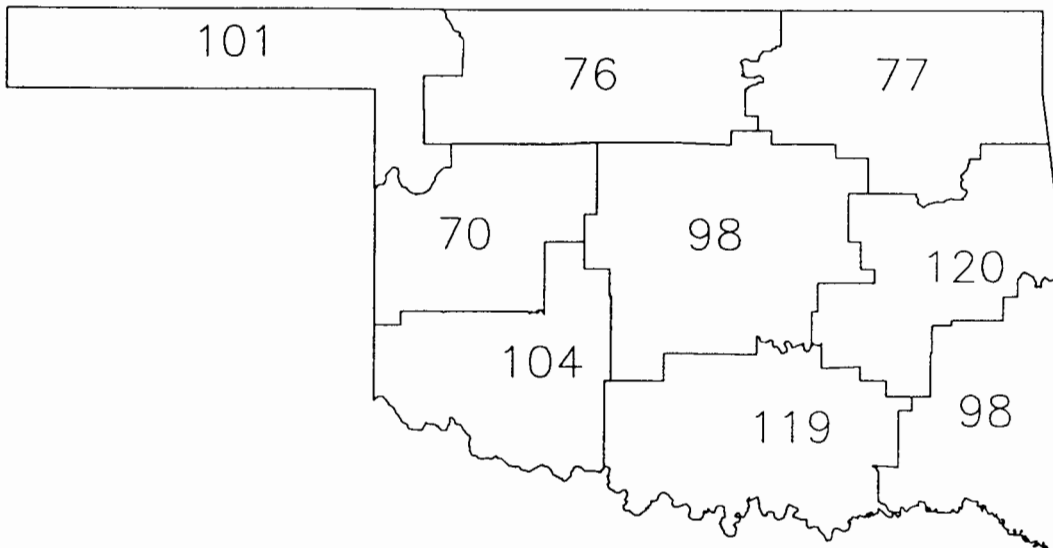
1991 and 1992 STATEWIDE TEMPERATURES January Through May Monthly Averages



CD Averaged Precipitation January Through May 1992



MAY 1992 CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION



EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
MAY, 1992

CD	MAX			MIN			24-HOUR			MONTHLY	
	TEMP	DATE	LOCATION	TEMP	DATE	LOCATION	PRECIP	DATE	LOCATION	PRECIP	LOCATION
1	107	1	BUFFALO	36	6	GAGE	1.67	14	FARGO	6.50	ARNETT
2	93	1	ALVA	36	6	JEFFERSON	2.81	16	PONCA CITY	5.82	BLACKWELL
	93	1	WAYNOKA								
3	91	12	RALSTON	35	7	KEYSTONE DAM	2.52	11	CLAREMORE	5.69	CLAREMORE
	91	12	TULSA	35	7	RALSTON					
				35	6	VINITA					
4	98	4	CLINTON	39	6	CANTON DAM	2.05	22	VICI	4.80	OKEENE
				39	7	OKEENE					
				39	7	TALOGA					
5	95	12	KINGFISHER	36	7	PURCELL	6.00	11	TECUMSEH	9.78	TECUMSEH
	95	12	NORMAN								
6	91	12	HOLDENVILLE	33	6	TAHLEQUAH	3.37	12	HANNA	10.39	EUFAULA
7	96	12	ALTUS	37	7	WICHITA MT WLR	3.80	17	CARNEGIE	9.45	CARNEGIE
	96	12	MANGUM								
	96	13	MANGUM								
8	95	12	WAURIKA	36	7	PAULS VALLEY	2.95	17	PONTOTOC	8.11	KETCHUM RANCH
	95	13	WAURIKA DAM								
9	90	12	BOSWELL	36	7	TUSKAHOMA	2.71	19	TUSKAHOMA	8.12	WILBURTON

TABLE OF 1991/1992 COMPARISON

Station	May Temperature (F)		May Precipitation (in.)	
	1991	1992	1991	1992
Arnett	67.8	63.1	2.53	6.50
Enid	71.2	65.7	2.83	3.63
Mutual	68.3	66.0	5.40	3.36
Tulsa	74.0	67.5	4.69	4.24
Elk City	70.4	65.6	7.03	2.58
Oklahoma City	72.5	66.5	6.29	4.88
McAlester	73.1	66.9	2.45	5.05
Altus Irr Sta	73.2	68.1	8.81	5.62
Durant	72.3	67.8	5.19	7.50
Ada	71.6	66.2	7.39	7.80
Antlers	73.3	67.7	5.51	4.27

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Tahlequah	6	33	6
Maximum temperature (F)	Buffalo	1	107	1
Maximum 24-hour precipitation	Tecumseh	5	6.00"	11

MAY 1992 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	CD	DEV				HEAT				COOL				DEV			
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	DEG	FROM	TOT	NUM	FROM	MAX		
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR	DAY
ARNETT	332	1	63.1	31	-2.6	92.	2	41.	28	122.0	36.0	64.0	-44.0	6.502	31	2.37	1.54	21
BOISE CITY 2 E	908	1	61.2	31	-2.1	91.	1	36.	28	151.5	31.5	33.0	-35.0	1.802	31	-.78	.68	31
BUFFALO	1243	1	67.2	31	-1.0	107.	1	37.	6	77.5	20.5	145.5	-10.5	1.930	31	-2.43	.56	27
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.872	31	2.18	1.67	14
GAGE FAA APT	3407	1	64.3	29	*****	96.	1	36.	6	106.0	*****	86.5	*****	5.761	30	*****	1.56	21
GATE	3489	1	66.1	31	-.2	102.	2	41.	6	90.0	3.0	125.5	-1.5	2.112	31	-.92	1.03	28
GOODWELL RES ST	3628	1	63.6	31	.4	96.	2	39.	28	110.0	-16.0	66.0	-5.0	1.383	31	-1.73	.55	28
GUYMON	3835	1	64.8	28	*****	99.	1	39.	28	85.5	*****	79.0	*****	1.880	29	*****	.82	28
HOOKER	4298	1	63.9	31	-1.2	97.	2	40.	29	108.5	14.5	73.0	-24.0	.771	31	-2.19	.35	28
KENTON	4766	1	63.0	30	.7	94.	2	38.	30	119.0	-5.0	59.5	19.5	1.330	31	-1.16	.62	29
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.201	31	-.09	.99	28
OPTIMA LAKE	6740	1	63.6	31	*****	98.	2	37.	6	113.5	*****	70.0	*****	1.582	29	*****	.61	28

MAY 1992 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	DEV				HEAT				COOL				DEV			
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	DEG	FROM	TOT	NUM	FROM	MAX		
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR	DAY
ALVA	193	2	66.2	31	*****	93.	1	39.	7	78.0	*****	114.0	*****	2.770	31	*****	1.00	21
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.631	30	*****	1.22	11
BILLINGS	755	2	64.5	30	-3.1	88.	13	37.	6	99.5	35.5	84.5	-60.5	4.072	31	-.44	1.60	11
BLACKWELL 2E	818	2	64.2	31	-3.3	86.	15	39.	7	98.0	42.0	74.5	-59.5	5.820	31	1.08	1.71	21
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.642	31	*****	1.95	11
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.593	31	*****	.68	28
CHEROKEE	1724	2	66.3	31	-2.7	92.	1	38.	6	77.5	41.5	119.0	-41.0	2.790	31	-1.10	.98	15
ENID	2912	2	66.0	31	-3.1	87.	12	42.	7	78.5	48.5	110.5	-46.5	3.630	31	-1.17	1.48	11
FT SUPPLY DAM	3304	2	64.5	31	-1.4	97.	2	42.	29	104.5	29.5	90.0	-13.0	3.631	31	-.06	.84	14
GREAT SALT PLNS	3740	2	65.7	31	-2.1	91.	2	40.	6	89.5	32.5	111.5	-31.5	3.462	31	-.39	.82	17
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.564	29	*****	1.00	10
HELENA 1 SSE	4019	2	65.1	31	-1.4	92.	16	39.	6	97.5	19.5	100.0	-25.0	2.412	31	-1.61	.70	28
JEFFERSON	4573	2	66.4	31	-2.3	89.	1	36.	6	82.0	40.0	124.0	-33.0	3.520	31	-1.00	.84	10
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.441	31	*****	1.75	11
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.552	31	*****	.65	10
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.921	31	*****	.62	21
MUTUAL	6139	2	65.7	28	*****	91.	2	43.	29	74.5	*****	93.5	*****	3.360	31	-.66	1.41	24
NEWKIRK	6278	2	65.6	31	-2.5	87.	21	39.	26	82.0	32.0	99.5	-46.5	4.401	31	-.49	2.35	11
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.040	31	-1.74	.73	26
PERRY	7012	2	67.3	31	-1.9	92.	12	43.	6	64.5	27.5	136.5	-30.5	2.370	31	-2.90	.55	21
PONCA CITY FAA	7201	2	66.3	29	*****	88.	15	40.	6	78.0	*****	116.0	*****	4.941	30	*****	2.81	16
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.880	31	-2.73	.74	21
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.311	31	.35	1.33	23
WAYNOKA	9404	2	65.6	31	-3.3	93.	1	40.	7	82.5	44.5	102.0	-57.0	3.720	31	-.38	1.88	16

MAY 1992 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	DEV				HEAT				COOL				DEV			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	TOT PPT	NUM OBS	FROM NORM	MAX 24-HR
BARNSDALL	535	3	64.7	31	-3.9	89.	12	37.	7	97.5	64.5	87.5	-57.5	3.194	31	-1.61	.76	21
BARTLESVILLE 2W	548	3	66.0	31	-2.7	91.	12	34.	6	83.5	48.5	113.0	-36.0	2.311	31	-2.09	.66	28
BIXBY	782	3	65.5	31	-2.1	88.	13	40.	8	81.0	31.0	96.5	-34.5	5.652	31	.65	1.56	11
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.132	31	-1.60	.65	17
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.940	31	*****	1.63	11
CLAREMORE	1828	3	65.6	31	-1.4	89.	13	38.	7	87.5	20.5	105.0	-24.0	5.690	31	1.05	2.52	11
CLEVELAND 5 WSW	1902	3	66.5	31	*****	91.	12	41.	6	70.0	*****	116.0	*****	2.860	31	*****	.95	20
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.111	31	-2.99	.54	23
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.161	31	-.86	1.25	11
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.082	31	-.47	.93	20
HULAH DAM	4393	3	64.2	20	*****	87.	13	36.	7	75.0	*****	58.5	*****	3.032	23	*****	1.05	23
JAY TOWER	4567	3	64.4	31	*****	85.	16	38.	6	92.5	*****	73.5	*****	3.640	31	*****	.91	16
KANSAS 1 ESE	4672	3	64.2	31	-3.0	83.	15	39.	6	91.5	37.5	68.0	-54.0	4.325	31	-1.07	1.00	18
KEYSTONE DAM	4812	3	64.8	31	-2.5	88.	13	35.	7	103.0	47.0	96.0	-31.0	2.414	31	-2.58	.65	28
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.750	31	*****	1.31	20
MANNFORD 6 NW	5522	3	65.2	30	-3.3	89.	12	39.	6	80.5	42.5	87.5	-58.5	3.720	30	*****	.92	29
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.560	31	-1.23	1.61	11
MIAMI	5855	3	63.9	31	-2.8	84.	16	37.	6	105.5	31.5	72.5	-53.5	2.802	31	-2.21	.66	28
NOWATA	6485	3	65.3	31	-2.8	86.	12	40.	8	81.0	32.0	91.5	-53.5	2.953	31	-1.53	.82	20
ONETA 1 WNW	6713	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.530	31	*****	1.67	11
PAWHUSKA	6935	3	65.4	31	-2.6	88.	12	36.	7	88.0	42.0	101.0	-38.0	3.651	31	-1.19	1.03	23
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.860	31	-3.04	.45	28
PRYOR 6 N	7309	3	64.1	31	-2.9	85.	16	36.	7	106.0	38.0	79.0	-51.0	3.331	31	-1.34	.56	28
RALSTON	7390	3	66.4	31	-2.4	91.	12	35.	7	73.0	33.0	117.0	-41.0	3.840	31	-.92	1.20	21
RAMONA 4 N	7394	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.430	31	*****	.71	17
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.970	31	.28	2.43	20
SPAVINAW	8380	3	67.3	31	-1.4	89.	22	40.	3	54.0	13.0	125.0	-31.0	3.452	31	-1.32	.85	17
TULSA WSO APT	8992	3	67.5	29	*****	91.	12	43.	26	60.0	*****	133.5	*****	4.244	30	*****	2.03	11
UPPER SPAVINAW	9101	3	66.7	31	*****	89.	22	38.	7	71.0	*****	124.0	*****	3.930	31	*****	.75	29
VINITA 2 N	9203	3	64.2	31	-2.8	88.	20	35.	6	104.5	35.5	81.0	-50.0	2.580	31	-2.53	.72	28
WAGONER	9247	3	66.6	31	-2.4	87.	15	38.	7	66.5	32.5	115.0	-43.0	4.471	31	-.48	.84	29
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.940	31	*****	.72	28
WYONNA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.472	31	*****	.63	28

MAY 1992 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	DEV				HEAT				COOL				DEV			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	TOT PPT	NUM OBS	FROM NORM	MAX 24-HR
CANTON DAM	1445	4	64.9	31	-2.5	89.	13	39.	6	96.0	42.0	93.0	-35.0	3.183	31	-1.16	1.58	11
CHEYENNE	1738	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.440	31	.41	1.70	23
CLINTON	1909	4	67.3	31	-2.2	93.	12	40.	7	50.0	20.0	120.5	-49.5	2.541	31	-2.39	.65	28
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.690	31	*****	.98	17
CORDELL	2125	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.242	31	-2.45	.72	28
ELK CITY 1 E	2849	4	65.6	27	*****	93.	12	44.	28	67.0	*****	82.5	*****	2.582	29	*****	.71	11
ERICK 4 E	2944	4	65.4	31	-2.9	95.	1	44.	7	74.5	34.5	86.5	-55.5	1.694	31	-2.40	.90	29
GEARY	3497	4	65.9	30	-2.4	93.	12	43.	7	80.0	42.0	106.0	-34.0	3.230	30	*****	1.07	20
HAMMON 1 NNE	3871	4	65.3	31	-1.6	95.	13	43.	28	96.0	34.0	104.5	-16.5	3.815	31	-.43	1.41	22
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.000	31	-1.42	1.00	28
MACKIE 4 NNW	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.510	31	*****	1.19	23
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.742	31	-1.93	.67	11
OKEENE	6629	4	65.6	31	-3.7	90.	12	39.	7	80.5	50.5	98.5	-64.5	4.800	31	.36	1.48	11
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.060	31	*****	.60	28
REYDON	7579	4	66.5	31	-.5	95.	1	42.	6	67.0	6.0	112.0	-11.0	3.931	31	.00	.93	21
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.600	31	-2.73	.55	28
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.310	31	*****	.95	21
TALOGA	8708	4	65.3	31	-2.3	92.	12	39.	7	89.5	38.5	99.5	-32.5	1.753	31	-2.99	.59	22
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.270	31	*****	.70	28
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.390	31	-.02	2.05	22
WATONGA	9364	4	66.1	31	-2.3	92.	12	41.	6	76.0	40.0	111.5	-30.5	4.340	31	-.28	.72	21
WEATHERFORD	9422	4	66.4	31	-1.9	97.	13	42.	6	72.5	35.5	116.5	-22.5	2.760	31	-1.85	.83	22

MAY 1992 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM			24-HR	DAY
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.490	31	*****	.70	26	
ARCADIA	288	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.130	31	*****	1.08	11	
TINKER AFB	325	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.153	30	*****	.66	18	
BLANCHARD 2 SSW	830	5	67.3	31	-2.3	92.	12	43.	6	53.5	32.5	124.0	-40.0	5.663	31	.71	1.68	21	
BRISTOW	1144	5	66.2	31	-3.0	89.	13	37.	7	63.5	36.5	101.5	-55.5	5.702	31	.19	2.07	11	
CHANDLER	1684	5	66.5	22	*****	90.	13	44.	17	49.0	*****	82.5	*****	5.194	22	*****	1.00	19	
CHICKASHA EX ST	1750	5	66.5	31	-3.9	92.	12	39.	7	64.5	51.5	112.0	-69.0	5.490	31	.81	1.13	11	
COX CITY 1 E	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.040	31	*****	1.54	11	
CRESCENT	2242	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.990	31	*****	.70	11	
CUSHING	2318	5	65.9	31	-2.1	90.	13	43.	6	77.0	28.0	103.5	-38.5	3.920	31	-1.48	1.50	18	
EL RENO 1 N	2818	5	66.5	31	-2.2	93.	12	40.	7	64.5	38.5	109.5	-31.5	3.400	31	-2.01	.79	18	
GUTHRIE	3821	5	68.1	30	-1.6	93.	12	44.	6	46.0	18.0	140.0	-34.0	5.471	31	.50	1.20	18	
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.492	31	*****	1.55	11	
HENNESSEY 2 SE	4055	5	65.5	31	-3.4	94.	12	38.	6	85.0	46.0	100.0	-60.0	3.141	31	-1.60	1.20	17	
KINGFISHER 2 SE	4861	5	65.8	30	-3.6	95.	12	39.	6	76.0	46.0	101.0	-66.0	2.920	31	-1.71	.66	28	
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.440	31	2.74	3.52	12	
MARSHALL	5589	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.760	31	-3.12	.71	11	
MEEKER 4 W	5779	5	65.8	31	-3.2	89.	12	38.	7	67.5	38.5	93.0	-60.0	6.220	31	.65	1.70	11	
MULHALL	6110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.290	31	*****	2.46	20	
NORMAN 3 S	6386	5	67.1	31	-2.6	95.	12	37.	7	61.5	46.5	126.5	-34.5	4.333	31	-.83	1.56	11	
OILTON 2 SE	6616	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.041	31	*****	.70	13	
OKEMAH	6638	5	67.5	31	-1.5	91.	12	44.	7	52.5	28.5	129.5	-18.5	4.310	31	-.99	.92	11	
OKLAHOMA CTY WS	6661	5	66.5	31	-1.9	93.	12	45.	7	62.5	31.5	108.0	-28.0	4.883	31	-.34	.99	28	
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.400	31	-.09	1.88	11	
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.420	31	*****	.83	11	
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.525	26	*****	2.85	11	
PURCELL 5 SW	7327	5	66.9	31	-3.1	92.	13	36.	7	56.0	42.0	114.5	-54.5	8.201	31	2.63	3.25	11	
SEMINOLE	8042	5	67.8	31	-2.8	91.	12	41.	7	48.5	33.5	134.0	-55.0	5.520	31	.29	1.25	12	
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.172	31	.50	2.87	11	
STELLA	8479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.760	31	*****	1.71	18	
STILLWATER 2 W	8501	5	66.4	31	-1.3	91.	13	37.	7	65.5	16.5	107.5	-25.5	2.724	31	-2.41	.62	28	
STROUD 1 N	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.280	31	*****	1.30	12	
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	9.780	31	*****	6.00	11	
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.550	31	*****	2.86	11	
UNION CITY 1 SE	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.752	31	-.84	.86	11	
WELTY 1 SSE	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.851	31	*****	3.75	11	
WEWOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.720	31	3.51	2.10	12	

MAY 1992 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM			24-HR	DAY
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.722	31	*****	1.73	12	
BEGGS	631	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.800	31	*****	1.47	11	
BOYNTON	1027	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.662	31	*****	.80	11	
CALVIN	1391	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.339	31	2.66	1.67	11	
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.603	31	.18	1.37	12	
CLAYTON 15 WNW	1858	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.850	31	*****	1.13	19	
DEWAR 2 NE	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.190	31	-1.04	1.01	29	
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.220	31	*****	1.50	15	
EUFAULA	2993	6	67.4	29	*****	86.	15	44.	7	38.5	*****	109.5	*****	10.390	31	4.71	2.67	12	
HANNA	3884	6	66.8	31	-2.7	88.	12	39.	7	59.0	41.0	115.5	-42.5	9.502	31	3.49	3.37	12	
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.680	31	*****	1.66	19	
HASKELL	3956	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.021	31	-.19	.87	24	
HOLDENVILLE	4235	6	66.8	31	-2.6	91.	12	38.	7	57.5	37.5	112.0	-44.0	7.920	31	2.53	3.18	12	
LAKE EUFAULA	4975	6	66.9	31	*****	86.	17	43.	6	58.5	*****	117.0	*****	10.602	31	*****	2.63	12	
LYONS 2 N	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.890	31	1.28	2.76	11	
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.255	31	*****	1.80	17	
MCALESTER FAA	5664	6	66.9	29	*****	88.	14	39.	7	54.5	*****	111.0	*****	5.053	30	*****	1.20	19	
MCCURTAIN 1 SE	5693	6	67.8	31	-1.9	87.	14	39.	7	52.0	26.0	137.5	-33.5	7.945	31	1.90	2.05	12	
MUSKOGEE	6130	6	65.4	23	*****	85.	20	40.	6	47.0	*****	56.0	*****	4.740	31	-.38	1.21	11	
OKMULGEE W W	6670	6	64.6	31	-3.6	88.	13	37.	7	96.0	62.0	83.0	-50.0	5.101	31	-.34	1.05	11	
OKTAHA 2 NE	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.860	31	*****	1.09	29	
QUINTON	7372	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	10.063	31	4.17	1.95	12	
SALLISAW 2 NE	7862	6	66.1	31	-3.3	85.	16	39.	7	63.0	36.0	98.5	-65.5	6.391	31	.58	2.70	12	
SCIPIO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.170	31	*****	1.95	12	
SCRAPER	7993	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.000	31	*****	.80	20	
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.432	31	*****	1.02	29	
STILWELL 1 NE	8506	6	65.2	31	-2.2	85.	15	34.	6	79.0	27.0	86.0	-40.0	7.490	31	1.82	1.89	12	
TAHLEQUAH	8677	6	66.3	31	-1.7	87.	15	33.	6	72.5	10.5	114.0	-41.0	5.822	31	.44	.90	10	
WEBBERS FALLS	9445	6	65.2	31	-3.3	85.	14	40.	7	83.0	41.0	90.0	-60.0	7.930	31	2.29	1.48	12	
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.672	31	*****	1.28	12	
WETUMKA 3 NE	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.310	31	.02	1.32	12	

MAY 1992 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV					HEAT				COOL				DEV			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	TOT PPT	NUM OBS	FROM NORM	MAX TEMP	MIN DAY		
ALTUS IRR STA	179	7	68.3	31	-3.3	96.	12	41.	7	45.5	33.5	148.5	-67.5	5.620	31	1.39	2.12	28	
ALTUS DAM	184	7	67.1	31	-3.0	93.	13	48.	30	62.0	41.0	126.5	-52.5	3.250	31	-1.16	1.26	28	
ANADARKO	224	7	66.8	28	*****	92.	12	39.	7	46.0	*****	95.0	*****	4.401	31	-.28	.75	20	
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.040	31	1.03	1.55	11	
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.550	29	*****	2.45	28	
CARNEGIE 2 ENE	1504	7	66.8	31	-3.0	95.	12	40.	7	55.5	38.5	112.5	-53.5	9.450	31	4.33	3.80	17	
CHATTANOOGA	1706	7	68.1	31	-2.9	95.	12	41.	7	42.5	33.5	140.0	-55.0	4.950	31	.50	1.33	29	
DUNCAN 12 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.330	30	*****	1.26	28	
FREDERICK	3353	7	66.6	31	-3.7	93.	13	45.	7	64.0	45.0	115.0	-68.0	4.030	31	-.27	2.00	28	
GRANDFIELD 4 NW	3709	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.430	31	-.98	.84	18	
HOBART FAA APT	4204	7	66.9	26	*****	95.	12	45.	26	57.5	*****	106.5	*****	3.342	28	*****	.58	28	
HOLLIS	4249	7	67.7	27	*****	95.	12	44.	29	41.5	*****	114.5	*****	2.753	28	*****	1.32	28	
LAWTON	5063	7	67.1	30	-2.9	94.	13	43.	7	54.5	39.5	118.5	-51.5	4.942	31	.02	1.98	28	
FORT SILL	5068	7	67.3	31	*****	93.	12	44.	7	49.5	*****	120.5	*****	5.796	31	*****	2.71	28	
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.731	31	.92	1.55	21	
MANGUM RES STA	5509	7	67.3	31	-4.1	96.	13	40.	28	61.5	47.5	133.5	-79.5	3.010	31	-1.24	1.48	28	
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.480	31	*****	1.80	18	
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.310	31	-1.54	1.22	20	
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.660	31	*****	.92	17	
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.232	31	.55	1.32	28	
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.490	31	-.48	1.78	28	
WALTERS	9278	7	67.8	31	-3.7	93.	12	40.	8	42.5	33.5	129.0	-82.0	4.220	31	-.90	2.30	28	
WICHITA MT WLR	9629	7	64.9	30	-3.3	93.	13	37.	7	74.0	42.0	70.0	-61.0	5.712	31	.73	1.95	11	
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.780	31	*****	.77	20	

MAY 1992 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

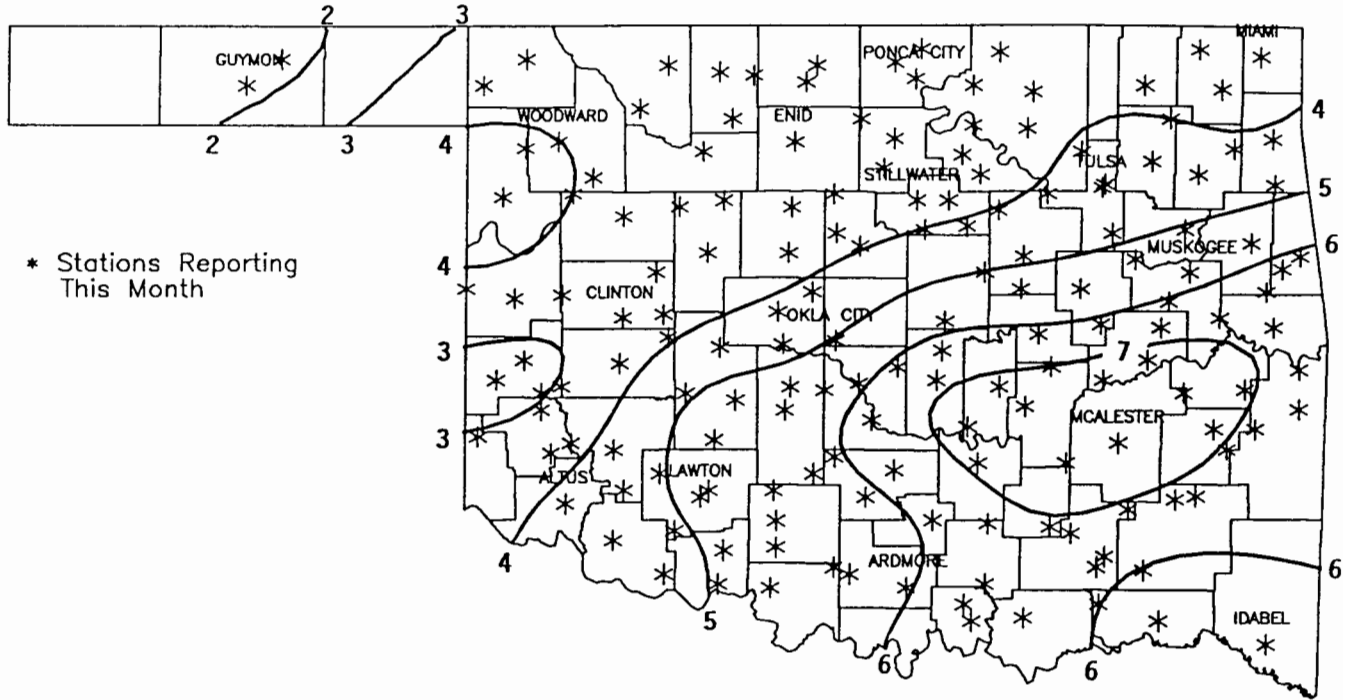
NAME	ID	CD	DEV					HEAT				COOL				DEV			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	TOT PPT	NUM OBS	FROM NORM	MAX TEMP	MIN DAY		
ADA	17	8	66.2	31	-3.4	89.	12	41.	7	54.0	34.0	92.0	-71.0	7.800	31	2.18	2.04	18	
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.330	31	*****	2.30	12	
ARDMORE	292	8	68.3	31	-3.7	91.	12	45.	7	36.5	31.5	138.0	-84.0	5.391	31	.41	1.50	28	
ATOKA DAM	394	8	67.7	17	*****	91.	13	42.	7	28.5	*****	74.5	*****	6.560	31	1.25	1.44	18	
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.080	31	*****	1.62	18	
CANEY	1437	8	67.9	31	*****	91.	12	50.	30	41.5	*****	131.0	*****	6.590	31	*****	1.42	18	
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.200	31	*****	1.50	11	
CHICKASAW NRA	1745	8	66.0	31	-3.0	94.	13	37.	7	67.0	49.0	99.5	-42.5	3.981	31	-1.77	.97	18	
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.880	31	*****	2.00	23	
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.123	31	1.11	1.86	18	
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.413	31	.50	1.69	12	
DUNCAN	2660	8	67.3	30	-2.7	92.	12	44.	7	51.5	36.5	121.5	-48.5	6.050	31	.91	2.00	10	
DURANT USDA	2678	8	67.8	31	-1.9	91.	13	40.	7	50.0	30.0	136.0	-30.0	7.500	31	1.92	1.90	18	
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.440	31	*****	1.25	17	
FARRIS 3 WNW	3083	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.230	31	-.14	1.49	18	
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.880	31	*****	.85	28	
HEALDTON	4001	8	67.0	31	-3.4	92.	12	37.	7	55.0	42.0	115.5	-64.5	4.520	31	-.57	1.29	29	
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.430	31	*****	1.33	29	
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	8.110	31	*****	2.85	28	
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.050	31	1.76	1.53	18	
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.833	31	*****	1.60	11	
LINDSAY 2 W	5216	8	67.0	31	-3.0	91.	12	37.	7	57.0	43.0	117.5	-51.5	6.323	31	.88	1.96	11	
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.442	31	*****	1.45	29	
MADILL	5468	8	68.0	31	-2.9	90.	12	40.	8	40.0	31.0	134.5	-56.5	6.750	31	1.40	2.56	11	
MARIETTA	5563	8	68.8	31	-1.9	91.	12	43.	7	32.5	21.5	150.5	-37.5	5.701	31	.77	1.40	11	
MARLOW 1 WSW	5581	8	68.1	31	-1.4	94.	12	42.	7	41.5	25.5	137.5	-18.5	4.910	31	-.24	1.04	18	
MC GEE CREEK DAM	5713	8	66.9	17	*****	88.	16	41.	7	37.5	*****	69.5	*****	7.130	31	*****	2.10	18	
PAULS VALLEY	6926	8	68.0	31	-2.6	92.	12	36.	7	44.0	27.0	137.0	-54.0	4.392	31	-1.35	.92	18	
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.380	31	1.69	2.95	17	
TISHOMINGO NWLR	8884	8	66.7	20	*****	90.	13	40.	7	51.5	*****	84.5	*****	6.490	31	1.45	1.60	11	
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.911	31	*****	1.56	29	
WAURIKA	9395	8	69.4	31	-2.3	95.	12	40.	7	42.0	34.0	177.5	-38.5	5.930	31	1.53	1.76	18	
WAURIKA DAM	9399	8	67.3	27	*****	95.	13	43.	7	48.5	*****	110.0	*****	6.680	27	*****	2.21	18	

MAY 1992 SUMMARY FOR SOUTHEAST DIVISION (CD9)

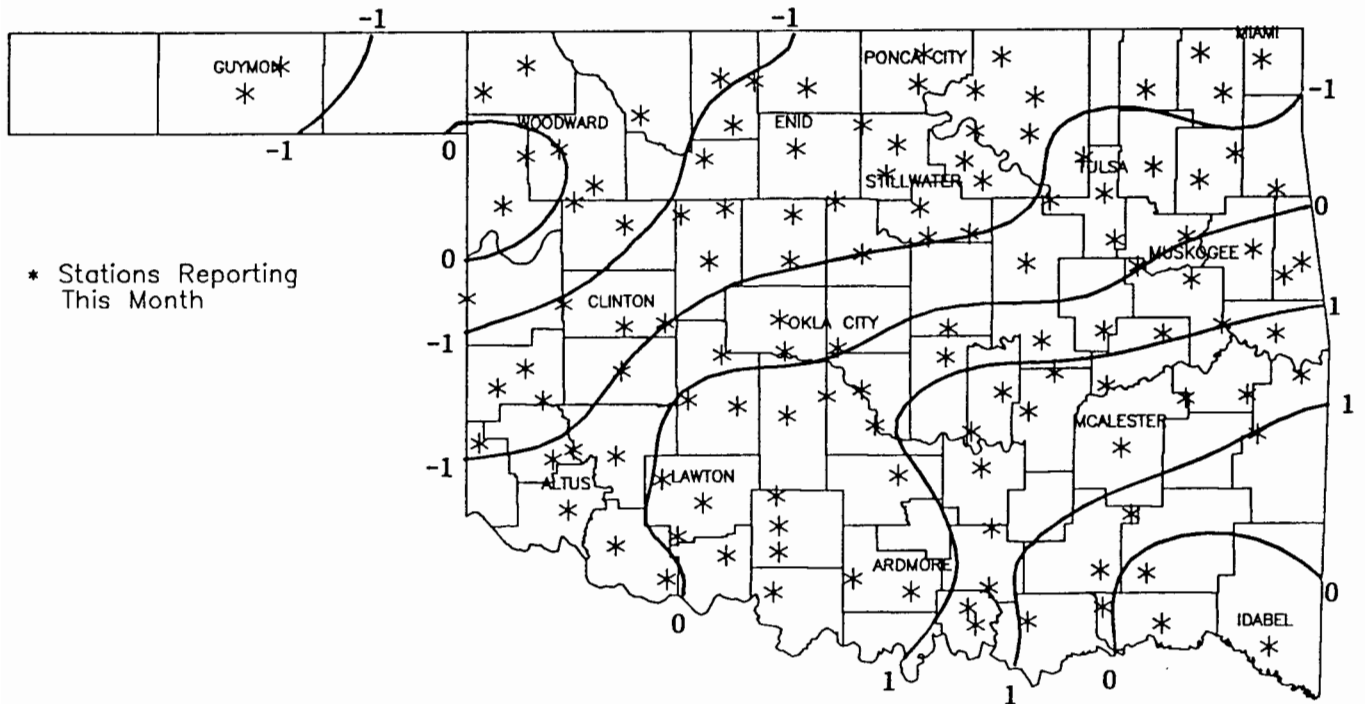
NAME	ID	CD	MEAN TEMP	NUM OBS	DEV			MIN TEMP	DAY	HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	DEV	
					FROM NORM	MAX	DAY			DEG	FROM NORM	DEG	FROM NORM	DEG	FROM NORM	FROM NORM	24-HR			DAY	
ANTLERS	256	9	67.7	31	-2.0	88.	13	40.	7	46.5	30.5	131.0	-30.0	4.270	31	-1.93	1.84	18			
BATTIEST 1 SSW	567	9	64.5	31	*****	84.	22	35.	7	87.0	*****	71.5	*****	4.850	31	*****	1.20	18			
BEAR MT TWR	584	9	67.6	31	-2.0	88.	14	43.	7	45.5	28.5	127.0	-33.0	3.610	28	*****	1.08	12			
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.022	31	*****	1.73	19			
BOSWELL 4 NNW	980	9	68.6	31	-1.3	90.	12	40.	7	42.0	28.0	153.0	-13.0	6.617	31	.95	1.64	18			
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.920	31	-2.40	1.34	11			
BROKEN BOW DAM	1168	9	68.5	31	-.5	87.	14	41.	7	37.5	9.5	147.0	-5.0	4.221	31	-2.37	.79	11			
CARNASAW TWR	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.810	31	-2.98	1.06	12			
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.500	31	-3.32	1.20	19			
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.530	31	-1.10	2.08	19			
FLAGPOLE TWR	3169	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.320	31	*****	1.94	18			
HEAVENER 1 SE	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.130	31	-1.37	.94	17			
HEE MT TWR	4017	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.660	31	-3.05	1.53	19			
HUGO	4384	9	68.7	31	-2.3	87.	13	44.	7	34.0	24.0	147.5	-48.5	3.610	31	-2.37	.82	18			
IDABEL	4451	9	67.9	31	-1.8	89.	13	42.	7	50.0	31.0	139.0	-25.0	3.360	31	-2.54	.94	28			
POTEAU W W	7254	9	66.2	31	*****	89.	15	38.	7	66.5	*****	103.0	*****	4.542	31	*****	.83	28			
SMITHVILLE 1 W	8285	9	64.9	31	-2.6	86.	13	34.	7	85.0	42.0	80.5	-39.5	5.824	31	-1.15	1.10	24			
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.740	31	1.02	1.74	17			
TUSKAHOMA	9023	9	67.0	31	-2.7	87.	14	36.	7	60.5	44.5	121.0	-41.0	7.670	31	.97	2.71	19			
VALLIANT 3 W	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.063	31	-3.12	.95	18			
WILBURTON 9 ENE	9634	9	67.1	31	-1.8	89.	15	37.	7	54.0	16.0	118.0	-41.0	8.120	31	2.03	2.55	18			

MAY 1992 CLIMATE DIVISION SUMMARY

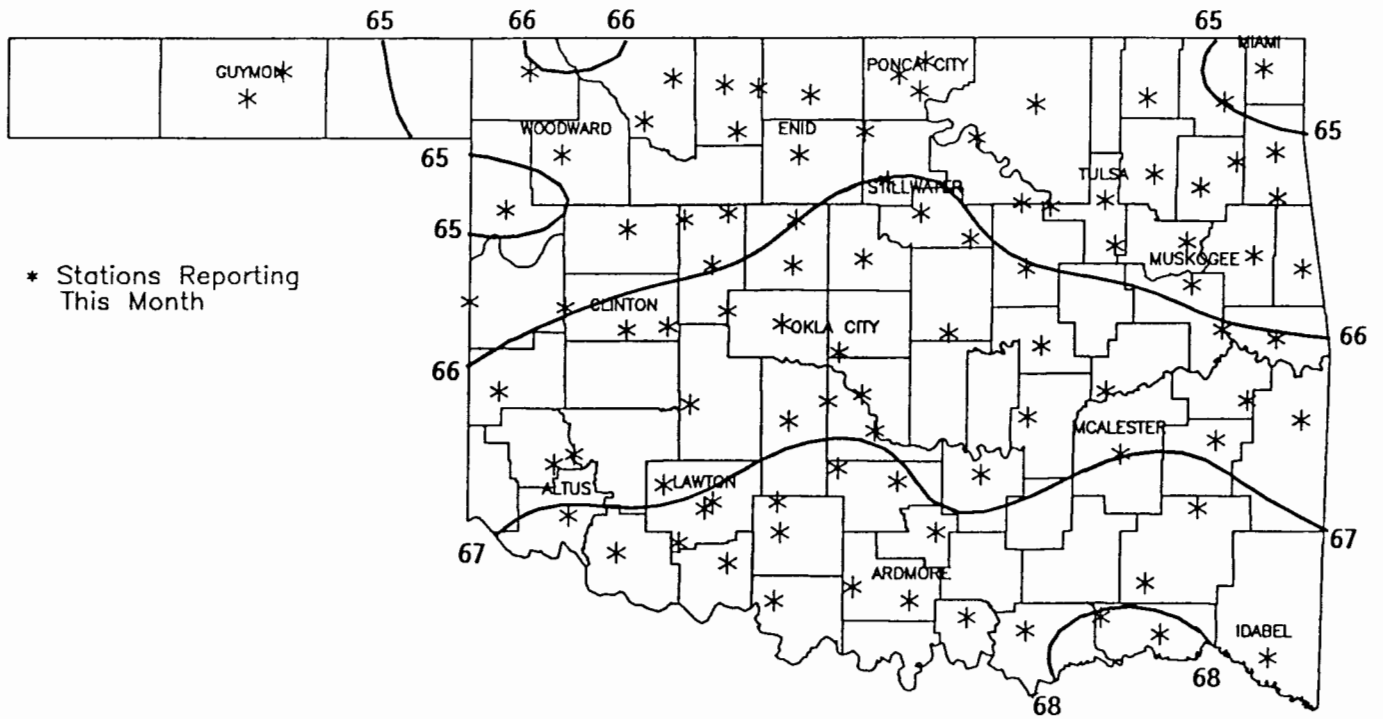
CLIMATE DIV	MEAN TEMP	NUM STA	DEV			MIN TEMP	DAY	HEAT DEGREE		DEV		COOL		DEV		TOT PPT	NUM STA	DEV	
			FROM NORM	MAX	DAY			DAYS	FROM NORM	DAYS	FROM NORM	DAYS	FROM NORM	DAYS	FROM NORM			24-HR	DAY
1	64.0	8	-1.2	107.0	1	36.0	6	111.5	16.6	79.6	-20.4	2.77	9	-.53	1.67	14			
2	65.6	12	-2.3	97.0	2	36.0	6	86.2	32.0	105.5	-38.0	3.40	21	-.93	2.81	16			
3	65.4	18	-2.5	91.0	12	34.0	6	85.4	34.2	97.2	-43.2	3.63	30	-1.22	2.52	11			
4	65.9	10	-2.4	97.0	13	39.0	7	78.2	37.4	104.8	-37.5	3.15	20	-1.29	2.05	22			
5	66.6	15	-2.5	95.0	12	36.0	7	62.9	35.8	113.6	-42.9	5.13	34	-.12	6.00	11			
6	66.2	9	-2.8	91.0	12	33.0	6	68.9	35.7	105.9	-50.3	6.72	30	1.14	3.37	12			
7	67.1	10	-3.2	96.0	13	37.0	7	55.2	37.7	121.4	-62.1	4.73	20	.16	3.80	17			
8	67.7	13	-2.6	95.0	13	36.0	7	47.1	32.7	129.8	-48.5	6.30	32	.95	2.95	17			
9	67.1	11	-2.3	90.0	12	34.0	7	55.3	33.0	121.7	-38.3	5.04	20	-1.32	2.71	19			



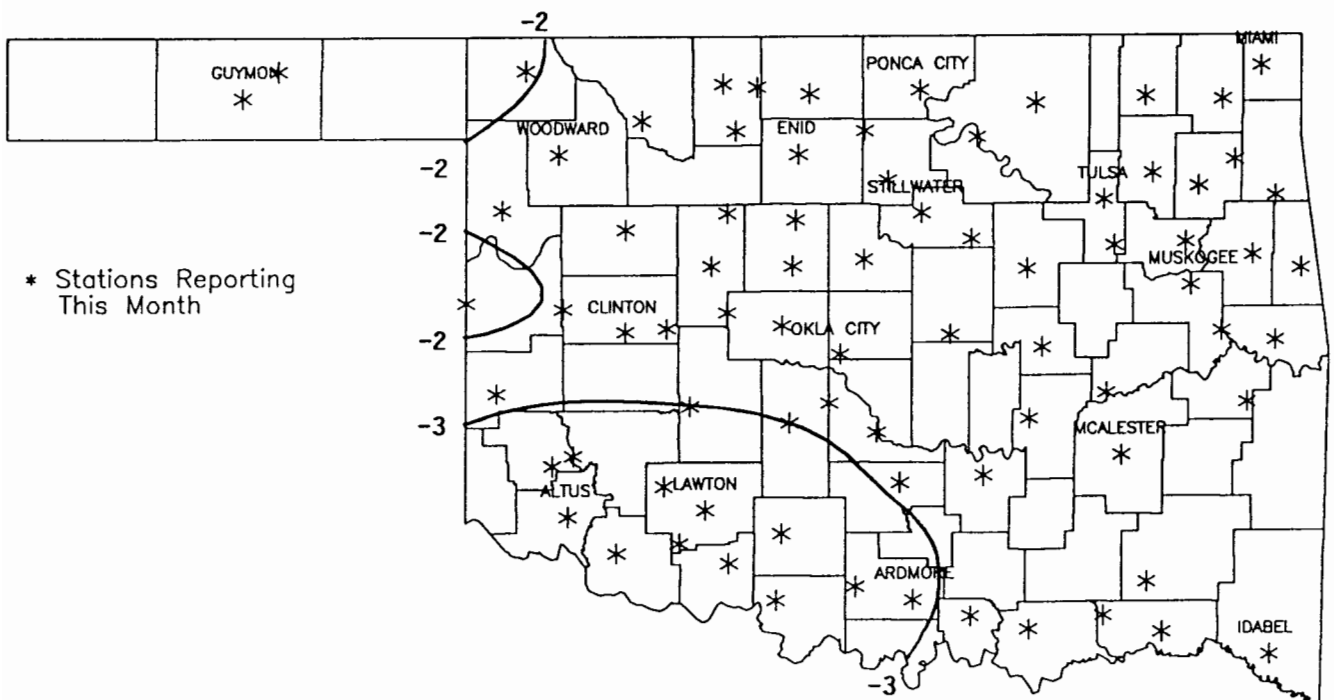
**MAY 1992 TOTAL PRECIPITATION
(Inches)**



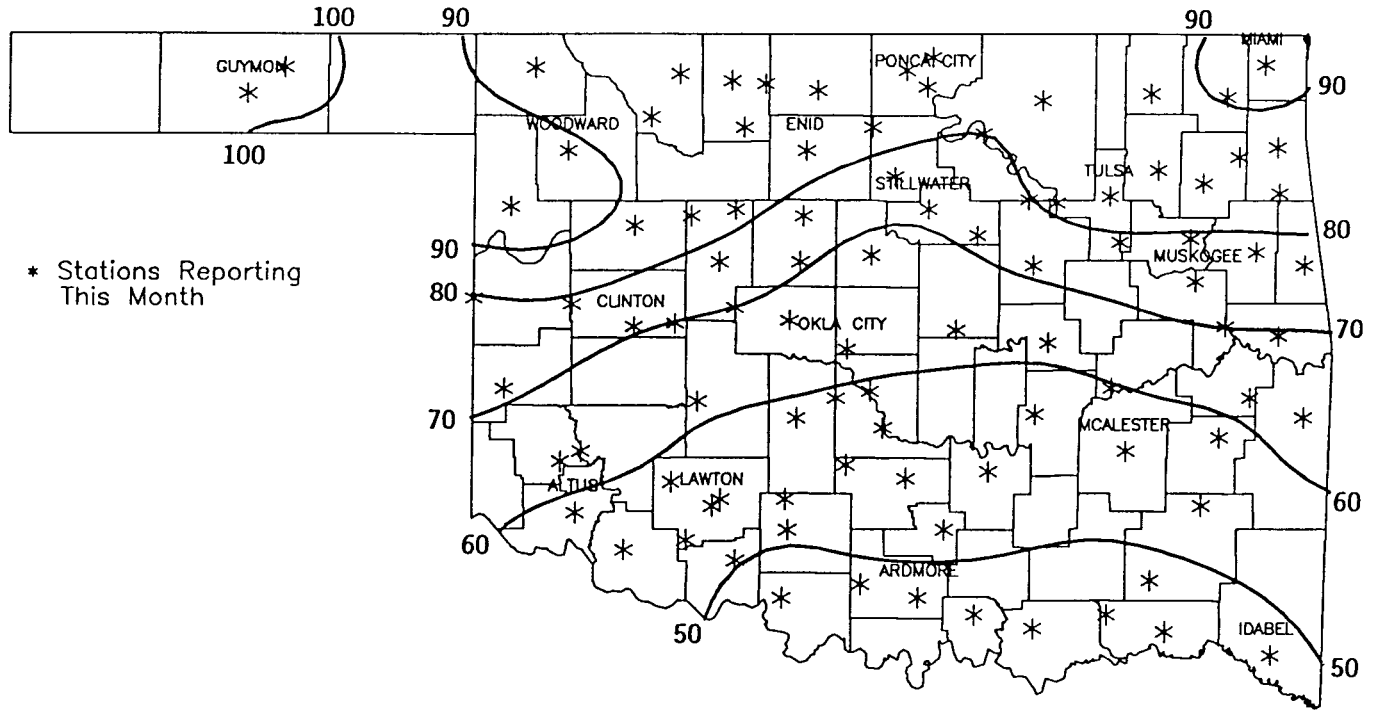
**MAY 1992 DEVIATION FROM NORMAL PRECIPITATION
(Inches)**



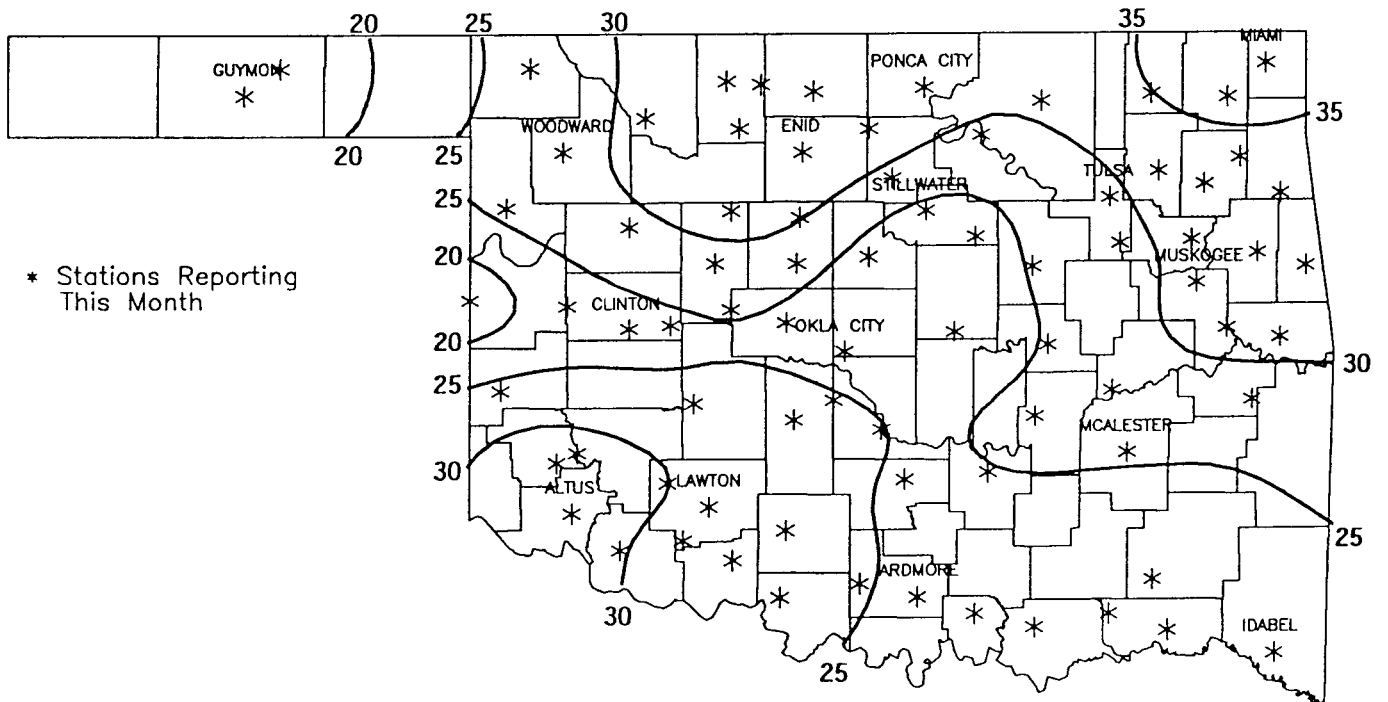
**MAY 1992 AVERAGE MONTHLY TEMPERATURES
(Degrees F)**



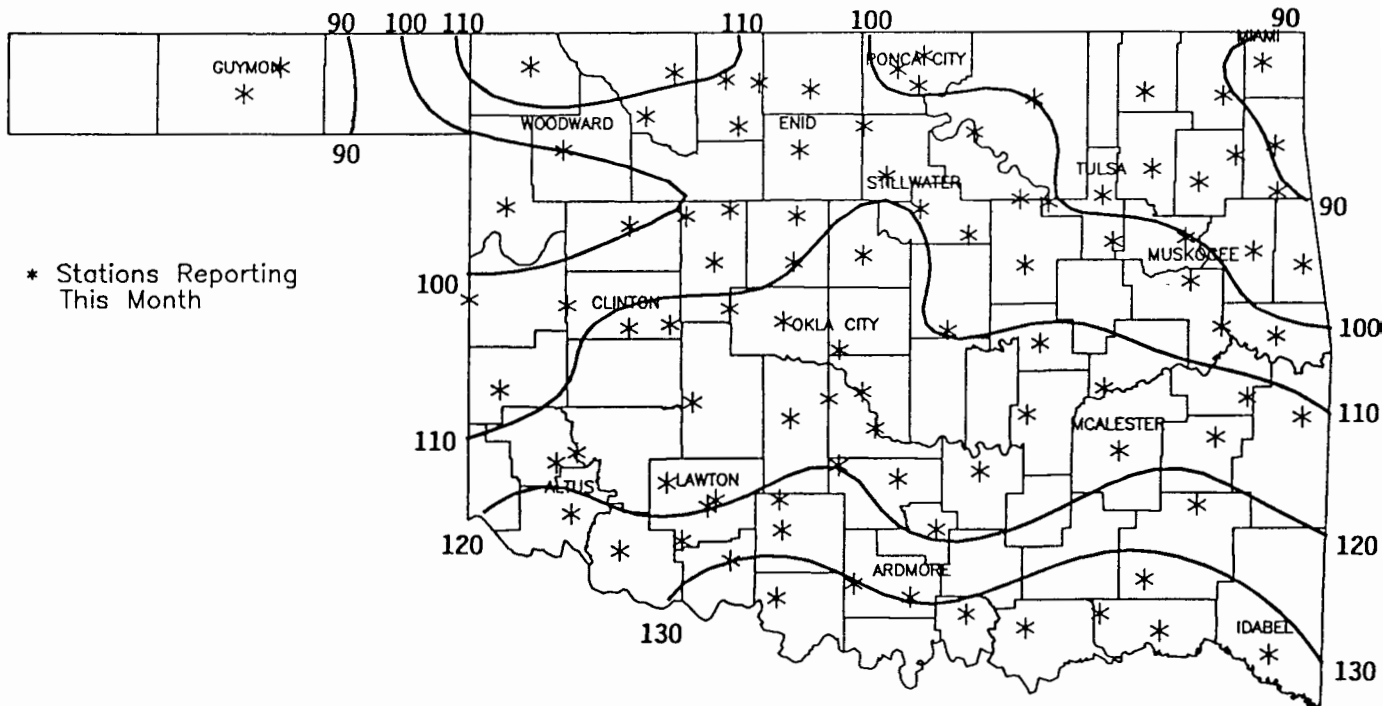
**MAY 1992 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)**



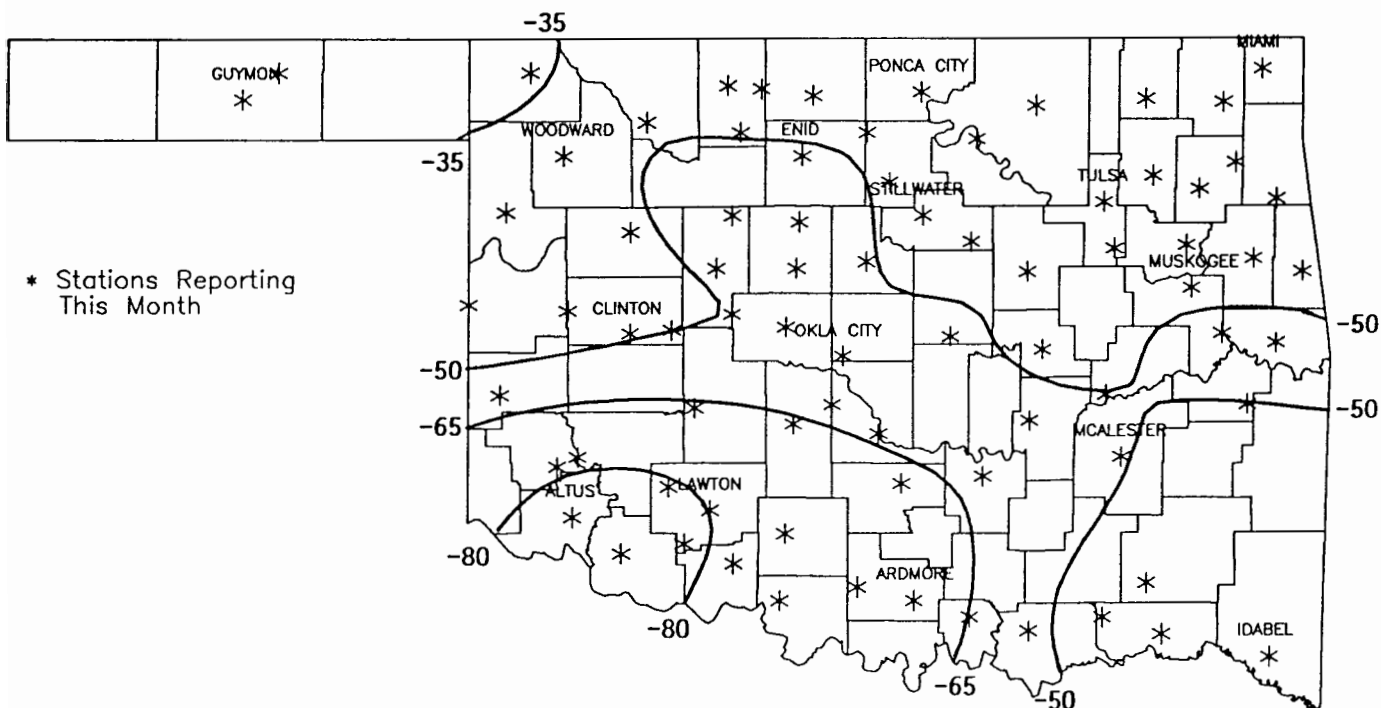
MAY 1992 HEATING DEGREE DAYS



MAY 1992 DEVIATION FROM NORMAL HEATING DEGREE DAYS

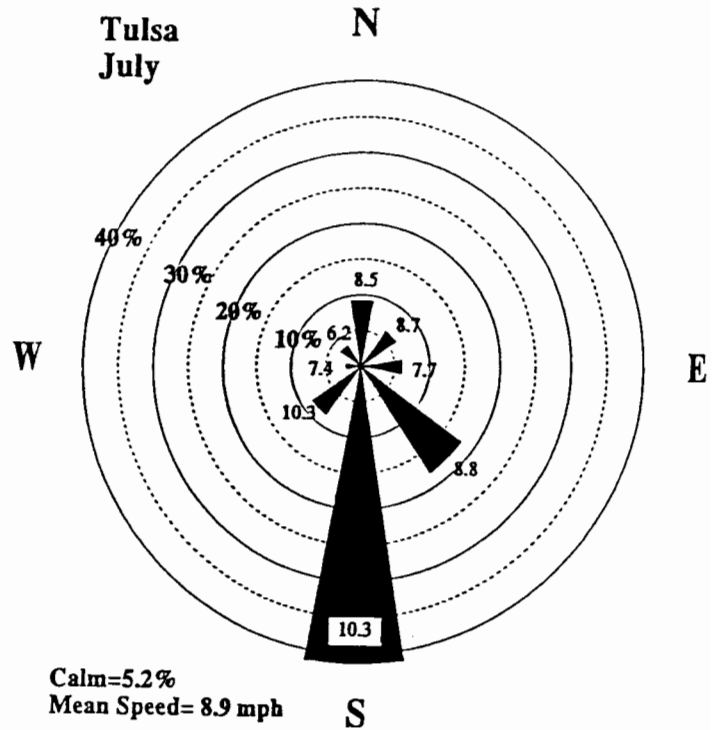
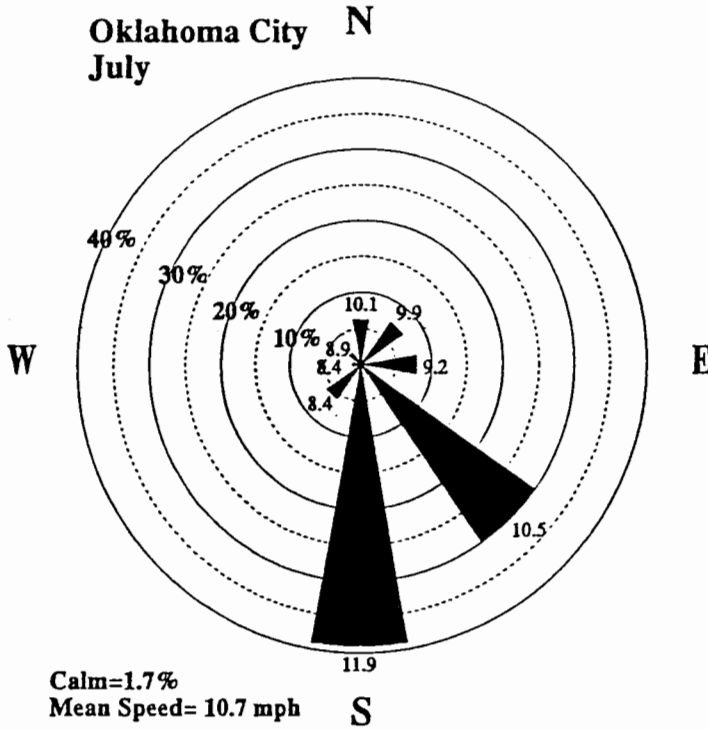


MAY 1992 COOLING DEGREE DAYS



MAY 1992 DEVIATION FROM NORMAL COOLING DEGREE DAYS

July wind roses for Oklahoma City and Tulsa. Percents represent the percentage of winds coming from a direction. The numbers at the end of the bars indicate the average speed (miles per hour) of winds from that direction.



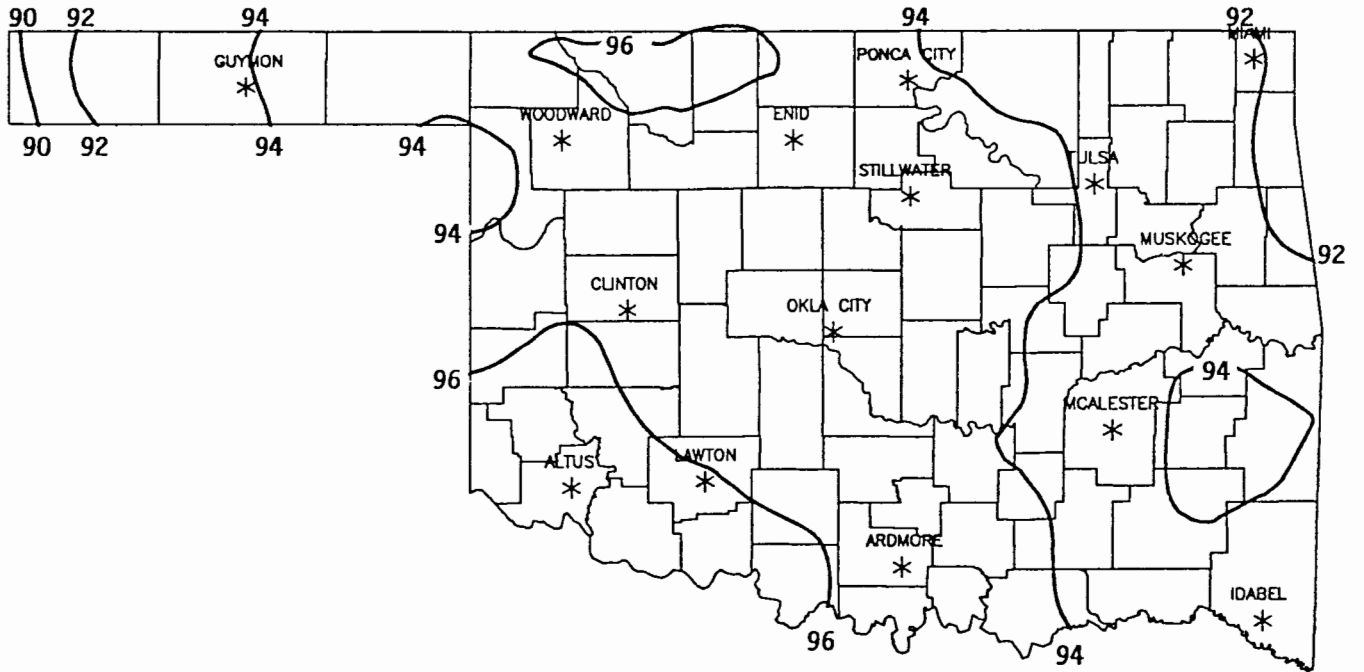
JULY 1992 SUNRISE AND SUNSET

OKLAHOMA CITY

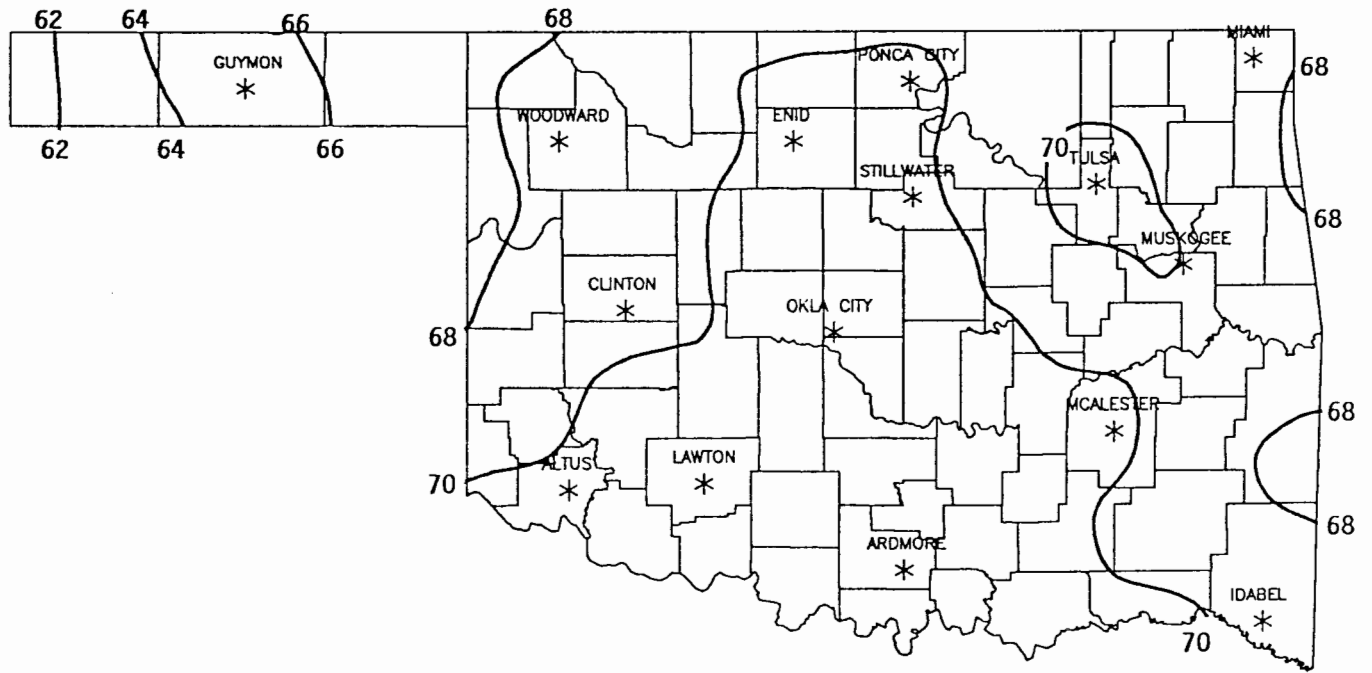
DATE	SUNRISE	SUNSET	DAYLIGHT
92 7 1	6:21AM	8:47PM CDT	14 hrs 26 mins
92 7 2	6:22AM	8:47PM CDT	14 hrs 26 mins
92 7 3	6:22AM	8:47PM CDT	14 hrs 25 mins
92 7 4	6:22AM	8:47PM CDT	14 hrs 25 mins
92 7 5	6:23AM	8:47PM CDT	14 hrs 24 mins
92 7 6	6:23AM	8:47PM CDT	14 hrs 23 mins
92 7 7	6:24AM	8:47PM CDT	14 hrs 23 mins
92 7 8	6:24AM	8:46PM CDT	14 hrs 22 mins
92 7 9	6:25AM	8:46PM CDT	14 hrs 21 mins
92 7 10	6:25AM	8:46PM CDT	14 hrs 20 mins
92 7 11	6:26AM	8:46PM CDT	14 hrs 20 mins
92 7 12	6:27AM	8:45PM CDT	14 hrs 19 mins
92 7 13	6:27AM	8:45PM CDT	14 hrs 18 mins
92 7 14	6:28AM	8:45PM CDT	14 hrs 17 mins
92 7 15	6:28AM	8:44PM CDT	14 hrs 16 mins
92 7 16	6:29AM	8:44PM CDT	14 hrs 15 mins
92 7 17	6:30AM	8:43PM CDT	14 hrs 14 mins
92 7 18	6:30AM	8:43PM CDT	14 hrs 13 mins
92 7 19	6:31AM	8:42PM CDT	14 hrs 12 mins
92 7 20	6:32AM	8:42PM CDT	14 hrs 10 mins
92 7 21	6:32AM	8:41PM CDT	14 hrs 9 mins
92 7 22	6:33AM	8:41PM CDT	14 hrs 8 mins
92 7 23	6:34AM	8:40PM CDT	14 hrs 7 mins
92 7 24	6:34AM	8:40PM CDT	14 hrs 5 mins
92 7 25	6:35AM	8:39PM CDT	14 hrs 4 mins
92 7 26	6:36AM	8:38PM CDT	14 hrs 3 mins
92 7 27	6:36AM	8:38PM CDT	14 hrs 1 mins
92 7 28	6:37AM	8:37PM CDT	14 hrs 0 mins
92 7 29	6:38AM	8:36PM CDT	13 hrs 58 mins
92 7 30	6:38AM	8:35PM CDT	13 hrs 57 mins
92 7 31	6:39AM	8:34PM CDT	13 hrs 55 mins

TULSA

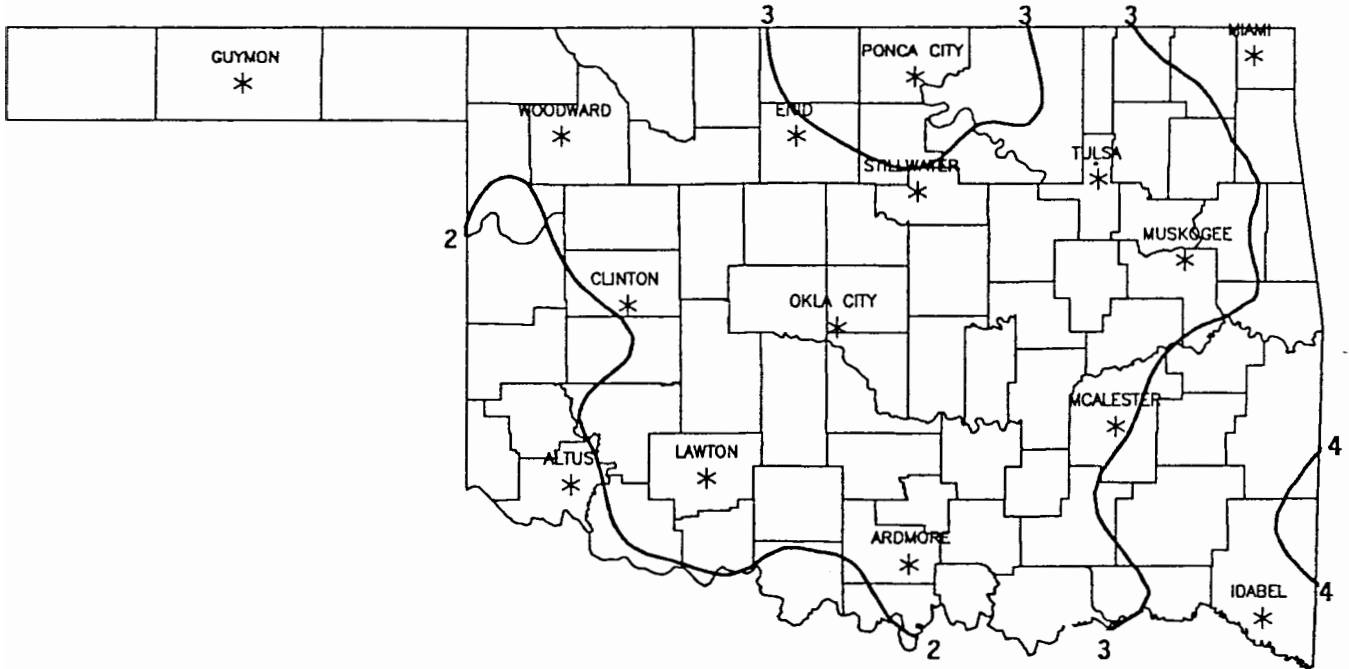
DATE	SUNRISE	SUNSET	DAYLIGHT
92 7 1	6:12AM	8:43PM CDT	14 hrs 30 mins
92 7 2	6:13AM	8:43PM CDT	14 hrs 30 mins
92 7 3	6:13AM	8:42PM CDT	14 hrs 29 mins
92 7 4	6:14AM	8:42PM CDT	14 hrs 29 mins
92 7 5	6:14AM	8:42PM CDT	14 hrs 28 mins
92 7 6	6:14AM	8:42PM CDT	14 hrs 28 mins
92 7 7	6:15AM	8:42PM CDT	14 hrs 27 mins
92 7 8	6:16AM	8:42PM CDT	14 hrs 26 mins
92 7 9	6:16AM	8:41PM CDT	14 hrs 25 mins
92 7 10	6:17AM	8:41PM CDT	14 hrs 25 mins
92 7 11	6:17AM	8:41PM CDT	14 hrs 24 mins
92 7 12	6:18AM	8:41PM CDT	14 hrs 23 mins
92 7 13	6:18AM	8:40PM CDT	14 hrs 22 mins
92 7 14	6:19AM	8:40PM CDT	14 hrs 21 mins
92 7 15	6:20AM	8:39PM CDT	14 hrs 20 mins
92 7 16	6:20AM	8:39PM CDT	14 hrs 19 mins
92 7 17	6:21AM	8:39PM CDT	14 hrs 18 mins
92 7 18	6:22AM	8:38PM CDT	14 hrs 17 mins
92 7 19	6:22AM	8:38PM CDT	14 hrs 15 mins
92 7 20	6:23AM	8:37PM CDT	14 hrs 14 mins
92 7 21	6:24AM	8:36PM CDT	14 hrs 13 mins
92 7 22	6:24AM	8:36PM CDT	14 hrs 12 mins
92 7 23	6:25AM	8:35PM CDT	14 hrs 10 mins
92 7 24	6:26AM	8:35PM CDT	14 hrs 9 mins
92 7 25	6:26AM	8:34PM CDT	14 hrs 8 mins
92 7 26	6:27AM	8:33PM CDT	14 hrs 6 mins
92 7 27	6:28AM	8:32PM CDT	14 hrs 5 mins
92 7 28	6:28AM	8:32PM CDT	14 hrs 3 mins
92 7 29	6:29AM	8:31PM CDT	14 hrs 2 mins
92 7 30	6:30AM	8:30PM CDT	14 hrs 0 mins
92 7 31	6:31AM	8:29PM CDT	13 hrs 59 mins



JULY 30-YEAR MEAN DAILY MAXIMUM TEMPERATURES



JULY 30-YEAR MEAN DAILY MINIMUM TEMPERATURES

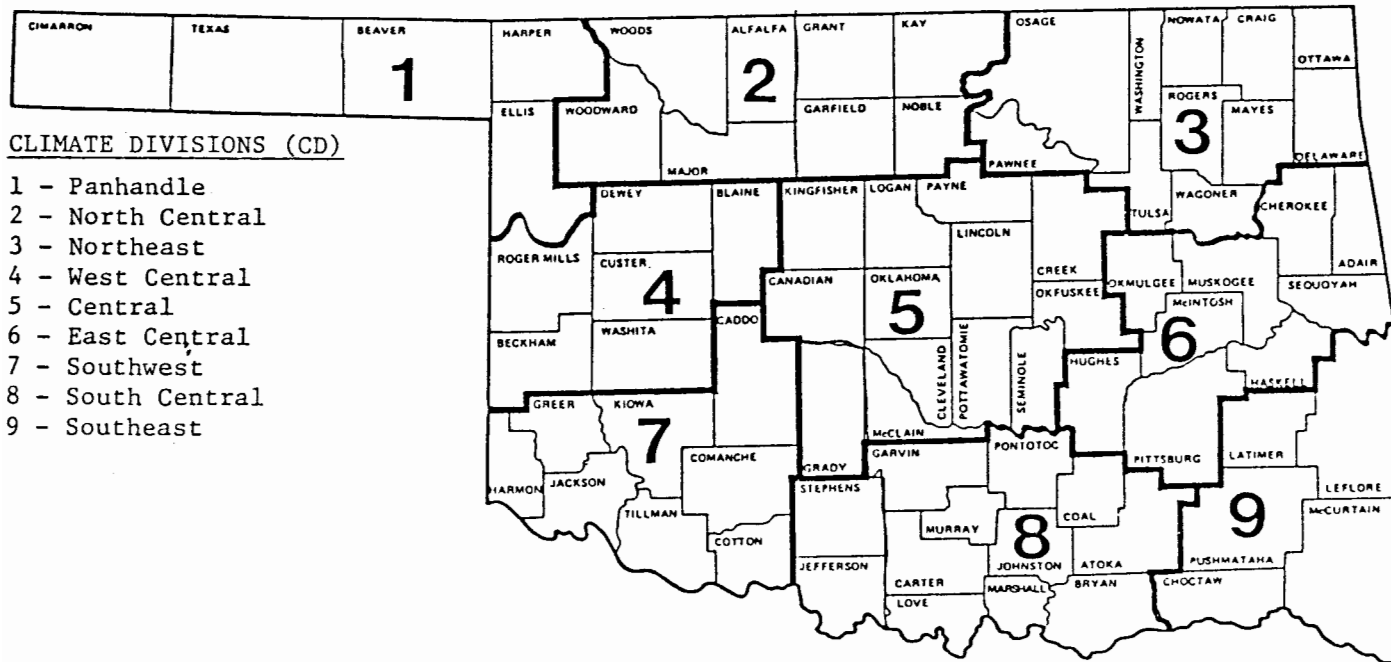


JULY 30-YEAR MEAN MONTHLY PRECIPITATION

90-DAY NATIONAL WEATHER SERVICE OUTLOOK
(June - August 1992)

Precipitation - Near Normal Statewide

Temperature - Above Normal Statewide



CLIMATE DIVISIONS (CD)

- 1 - Panhandle
- 2 - North Central
- 3 - Northeast
- 4 - West Central
- 5 - Central
- 6 - East Central
- 7 - Southwest
- 8 - South Central
- 9 - Southeast

EXPLANATION OF TABLES

Two kinds of tables appear in this summary. The first is a set of tables containing all reporting stations grouped by climate division. The figure above shows the locations of the climate divisions. Each table contains the following information for each station:

Station Name:

Station Identification Number: These are usually assigned by the National Climatic Data Center.

Climate Division: See the figure above.

Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.

Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.

Maximum Daily Maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occurred.

Minimum Daily Minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occurred.

Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and summed. They are a qualitative measure of how much heat was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

$$29 \sum_{i=1} 65 - ((TMAX_i + TMIN_i) / 2)$$

Deviation from Normal Heating Degree Days: A positive value indicates higher than normal heating requirements for the month as a whole. A negative value indicates lower than normal heating requirements for the month as a whole. Normal HDD may be calculated by subtracting the deviation from observed HDD.

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and summed. They are a proxy measure of how much cooling was required to maintain a comfortable indoor temperature. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

$$\sum_{i=1}^{30} ((TMAX_i + TMIN_i)/2) - 65$$

Deviation from Normal Cooling Degree Days: A positive value indicates higher than normal cooling requirements for the month as a whole. A negative value indicates lower than normal cooling requirements for the month as a whole. Normal cooling degree days may be found by subtracting the deviation from the observed cooling degree days.

Total Precipitation: Often incorrectly referred to as mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

Number of Precipitation Observations: The number of days a rain or no-rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24-hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

The data on this calendar are for Oklahoma City.
 Normal values are calculated for the period
 1961-1990. Extremes are found for the period
 of record (1891-present).

OKLAHOMA CITY CLIMATE CALENDAR
 July 1992

Normal 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual
90.0 70.0 0.19 0 15 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	103-1917 67-1951 57-1951 86-1937 5,06-1913	92.0 70.0 0.08 0 16 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	105-1980 72-1924 58-1924 78-1980 1,70-1922	93.0 71.0 0.06 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	105-1980 75-1908 57-1-1906 79-1-1953 2,97-1947	91.0 70.0 0.07 0 16 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	104-1931 73-1915 57-1924 80-1990 1,37-1900	91.0 70.0 0.10 0 15 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	103-1911 77-1958 55-1915 80-1933 3,21-1979	92.0 70.0 0.07 0 16 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	105-1953 73-1959 55-1972 80-1953 1,84-1929	93.0 70.0 0.06 0 16 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	105-1970 76-1960 57-1952 78-1909 2,03-1895
Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
93.0 71.0 0.03 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	105-1964 70-1905 57-1958 78-1970 1,32-1959	93.0 71.0 0.04 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	106-1964 71-1905 56-1891 80-1933 2,14-1898	93.0 70.0 0.05 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	104-1933 66-1895 56-1905 80-1933 1,90-1945	93.0 71.0 0.04 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	107-1953 67-1955 56-1905 81-1933 2,65-1906	93.0 71.0 0.08 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	107-1954 62-1953 56-1975 82-1933 1,80-1926	93.0 70.0 0.12 0 16 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	106-1954 73-1953 56-1975 81-1934 2,10-1963	93.0 70.0 0.06 0 16 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	107-1954 80-1926 57-1950 80-1934 0,78-1891
Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
93.0 71.0 0.08 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	108-1936 71-1891 59-1967 82-1936 2,30-1921	93.0 71.0 0.04 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	106-1980 74-1967 61-1891 79-1939 3,54-1900	93.0 71.0 0.15 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	106-1980 80-1950 63-1967 79-1943 1,71-1959	94.0 72.0 0.06 0 18 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	108-1936 72-1967 62-1911 81-1936 1,53-1893	93.0 71.0 0.06 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	109-1936 74-1953 63-1898 82-1936 2,77-1916	93.0 71.0 0.05 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	107-1936 77-1944 60-1970 79-1934 1,48-1897	93.0 71.0 0.14 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	107-1939 78-1970 54-1970 80-1981 1,47-1950
Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
93.0 71.0 0.10 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	107-1974 73-1947 57-1970 79-1981 2,49-1899	92.0 70.0 0.17 0 18 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	104-1981 77-1969 55-1970 79-1981 3,02-1960	94.0 72.0 0.07 0 18 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	106-1943 73-1947 61-1970 78-1934 2,92-1975	94.0 72.0 0.07 0 18 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	106-1977 76-1906 58-1911 83-1934 1,96-1906	94.0 72.0 0.08 0 18 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	106-1978 75-1959 63-1911 79-1981 0,88-1978	94.0 71.0 0.25 0 18 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	105-1986 75-1959 64-1900 78-1939 5,60-1981	93.0 71.0 0.20 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	108-1986 75-1981 64-1900 80-1986 1,80-1963
Normal 29	Actual	Normal 30	Actual	Normal 31	Actual	JULY AVERAGES							
93.0 71.0 0.16 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	109-1986 76-1992 61-1971 79-1966 2,02-1975	94.0 71.0 0.04 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	108-1986 73-1925 57-1971 80-1986 0,71-1933	93.0 71.0 0.06 0 17 Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	107-1980 76-1925 53-1971 73-1943 1,07-1978	TEMPERATURE : 81.8°F							
PRECIPITATION : 2.84"							HEATING DEGREE DAYS : 0						
COOLING DEGREE DAYS : 520													

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1991; precipitation extremes are for the period 1948-1991.

TULSA CLIMATE CALENDAR

July 1992

Normal 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual
91.0 max 71.0 min .10 ppt 0 hdd 16 cdd Highest Max 106-1917 Lowest Max 73-1951 Lowest Min 57-1924 Highest Min 82-1980 Greatest ppt .90-1959	_____	93.0 max 72.0 min .07 ppt 0 hdd 17 cdd Highest Max 105-1933 Lowest Max 78-1951 Lowest Min 54-1924 Highest Min 89-1980 Greatest ppt 1.41-1972	_____	93.0 max 72.0 min .14 ppt 0 hdd 18 cdd Highest Max 107-1911 Lowest Max 81-1972 Lowest Min 54-1924 Highest Min 80-1983 Greatest ppt 1.89-1960	_____	92.0 max 72.0 min .10 ppt 0 hdd 17 cdd Highest Max 108-1911 Lowest Max 76-1972 Lowest Min 56-1924 Highest Min 85-1980 Greatest ppt 1.30-1960	_____	92.0 max 70.0 min .10 ppt 0 hdd 16 cdd Highest Max 108-1911 Lowest Max 77-1972 Lowest Min 53-1915 Highest Min 82-1990 Greatest ppt 1.55-1950	_____	93.0 max 71.0 min .10 ppt 0 hdd 17 cdd Highest Max 105-1917 Lowest Max 78-1960 Lowest Min 55-1972 Highest Min 82-1980 Greatest ppt 1.52-1965	_____	93.0 max 72.0 min .07 ppt 0 hdd 18 cdd Highest Max 103-1917 Lowest Max 79-1958 Lowest Min 58-1967 Highest Min 84-1980 Greatest ppt .97-1953	_____
Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
93.0 max 72.0 min .04 ppt 0 hdd 18 cdd Highest Max 106-1917 Lowest Max 81-1958 Lowest Min 61-1958 Highest Min 81-1980 Greatest ppt .60-1953	_____	94.0 max 72.0 min .05 ppt 0 hdd 18 cdd Highest Max 107-1925 Lowest Max 73-1950 Lowest Min 59-1952 Highest Min 82-1980 Greatest ppt .85-1949	_____	94.0 max 72.0 min .12 ppt 0 hdd 18 cdd Highest Max 105-1933 Lowest Max 75-1950 Lowest Min 59-1961 Highest Min 84-1980 Greatest ppt 1.17-1962	_____	94.0 max 73.0 min .10 ppt 0 hdd 18 cdd Highest Max 107-1954 Lowest Max 72-1963 Lowest Min 59-1905 Highest Min 82-1969 Greatest ppt 2.30-1963	_____	94.0 max 73.0 min .13 ppt 0 hdd 18 cdd Highest Max 109-1954 Lowest Max 66-1953 Lowest Min 59-1975 Highest Min 84-1980 Greatest ppt 1.35-1953	_____	93.0 max 72.0 min .12 ppt 0 hdd 18 cdd Highest Max 111-1954 Lowest Max 76-1953 Lowest Min 54-1975 Highest Min 85-1980 Greatest ppt 1.57-1961	_____	93.0 max 72.0 min .15 ppt 0 hdd 18 cdd Highest Max 112-1954 Lowest Max 77-1961 Lowest Min 54-1967 Highest Min 85-1954 Greatest ppt 1.35-1961	_____
Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
92.0 max 73.0 min .22 ppt 0 hdd 18 cdd Highest Max 111-1936 Lowest Max 78-1959 Lowest Min 54-1967 Highest Min 85-1980 Greatest ppt 3.91-1961	_____	93.0 max 73.0 min .12 ppt 0 hdd 18 cdd Highest Max 109-1980 Lowest Max 72-1967 Lowest Min 57-1967 Highest Min 87-1980 Greatest ppt 2.55-1967	_____	94.0 max 73.0 min .09 ppt 0 hdd 18 cdd Highest Max 110-1936 Lowest Max 82-1950 Lowest Min 59-1967 Highest Min 82-1980 Greatest ppt 1.85-1989	_____	95.0 max 74.0 min .04 ppt 0 hdd 20 cdd Highest Max 113-1936 Lowest Max 74-1967 Lowest Min 64-1984 Highest Min 84-1954 Greatest ppt .77-1987	_____	95.0 max 74.0 min .02 ppt 0 hdd 20 cdd Highest Max 113-1936 Lowest Max 83-1970 Lowest Min 61-1947 Highest Min 83-1980 Greatest ppt 1.37-1988	_____	94.0 max 72.0 min .06 ppt 0 hdd 19 cdd Highest Max 109-1936 Lowest Max 78-1970 Lowest Min 56-1971 Highest Min 82-1981 Greatest ppt 1.06-1966	_____	94.0 max 73.0 min .09 ppt 0 hdd 19 cdd Highest Max 109-1939 Lowest Max 77-1950 Lowest Min 55-1970 Highest Min 83-1954 Greatest ppt 1.77-1959	_____
Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
94.0 max 73.0 min .17 ppt 0 hdd 19 cdd Highest Max 109-1974 Lowest Max 77-1959 Lowest Min 57-1970 Highest Min 85-1954 Greatest ppt 3.12-1960	_____	94.0 max 75.0 min .10 ppt 0 hdd 19 cdd Highest Max 107-1936 Lowest Max 79-1960 Lowest Min 58-1970 Highest Min 83-1954 Greatest ppt 1.85-1973	_____	94.0 max 73.0 min .11 ppt 0 hdd 19 cdd Highest Max 110-1934 Lowest Max 76-1962 Lowest Min 60-1927 Highest Min 80-1983 Greatest ppt 1.95-1973	_____	94.0 max 74.0 min .14 ppt 0 hdd 19 cdd Highest Max 108-1934 Lowest Max 80-1950 Lowest Min 54-1911 Highest Min 81-1986 Greatest ppt 2.20-1967	_____	94.0 max 74.0 min .10 ppt 0 hdd 19 cdd Highest Max 106-1978 Lowest Max 75-1959 Lowest Min 60-1905 Highest Min 81-1981 Greatest ppt 1.33-1959	_____	94.0 max 73.0 min .29 ppt 0 hdd 19 cdd Highest Max 106-1936 Lowest Max 76-1977 Lowest Min 59-1971 Highest Min 81-1986 Greatest ppt 7.54-1963	_____	93.0 max 73.0 min .16 ppt 0 hdd 18 cdd Highest Max 109-1936 Lowest Max 80-1968 Lowest Min 61-1920 Highest Min 83-1986 Greatest ppt 2.72-1976	_____
Normal 29	Actual	Normal 30	Actual	Normal 31	Actual	JULY AVERAGES							
94.0 max 73.0 min .08 ppt 0 hdd 19 cdd Highest Max 110-1986 Lowest Max 78-1981 Lowest Min 60-1969 Highest Min 81-1986 Greatest ppt 1.24-1950	_____	94.0 max 72.0 min .15 ppt 0 hdd 18 cdd Highest Max 110-1966 Lowest Max 79-1971 Lowest Min 55-1971 Highest Min 85-1980 Greatest ppt 3.78-1981	_____	94.0 max 72.0 min .09 ppt 0 hdd 18 cdd Highest Max 108-1980 Lowest Max 81-1979 Lowest Min 51-1971 Highest Min 81-1958 Greatest ppt 1.04-1979	TEMPERATURE : 83.0°F PRECIPITATION : 3.42" HEATING DEGREE DAYS : 0 COOLING DEGREE DAYS : 564								