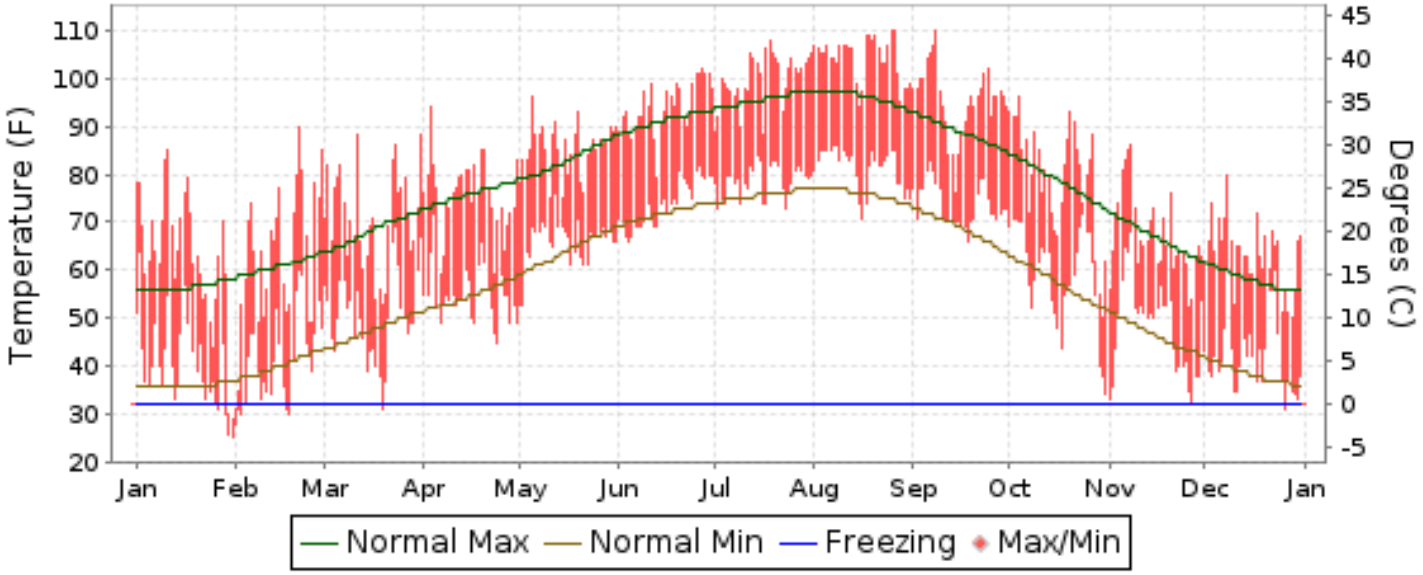
2023
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

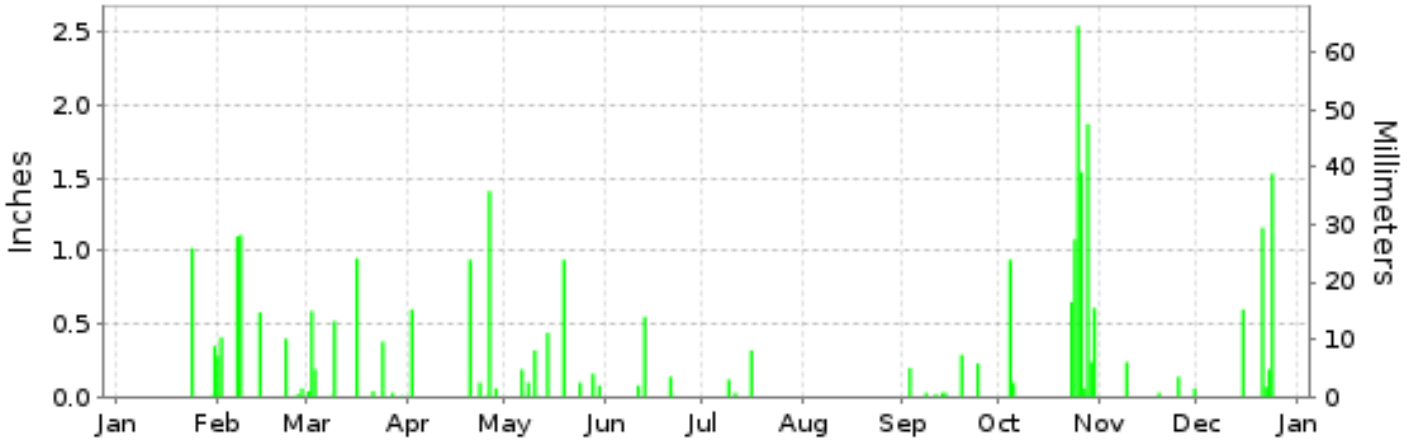
ISSN 0198-5043

DALLAS-FORT WORTH, TEXAS (KDFW)

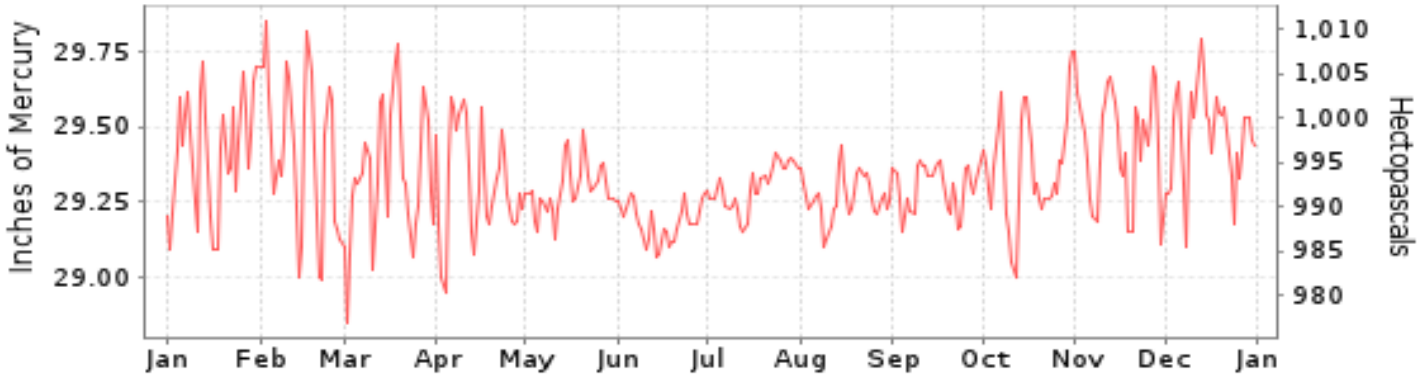
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CENTERS for ENVIRONMENTAL INFORMATION (NCEI) ASHEVILLE, NORTH CAROLINA

DIRECTOR NCEI

METEOROLOGICAL DATA FOR 2023
DALLAS-FORT WORTH (KDFW)

LATITUDE: 32° 53'N **LONGITUDE:** 97° 1'W **ELEVATION (FT):** GRND: 543.59 BARO: 562 **TIME ZONE:** CENTRAL (UTC -6) **WBAN:** 03927

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	63.2	63.3	70.9	75.6	85.4	94.2	99.8	104.2	95.4	79.4	67.3	63.4	80.2
	HIGHEST DAILY MAXIMUM	85	90	88	94	96	102	108	110	110	96	86	80	110
	DATE OF OCCURRENCE	11	21	31+	03	05	27	18	26+	08	04	08	08	SEP 08
	MEAN DAILY MINIMUM	41.1	41.5	50.4	55.0	65.9	73.9	78.7	81.5	73.7	59.1	48.2	42.2	59.3
	LOWEST DAILY MINIMUM	25	28	31	45	53	66	73	71	66	34	32	31	25
	DATE OF OCCURRENCE	31	01	19	24	02+	04	23+	16	18	31	27	26	JAN 31
	AVERAGE DRY BULB	52.2	52.4	60.7	65.3	75.6	84.0	89.3	92.9	84.6	69.2	57.8	52.8	69.7
	MEAN WET BULB	44.8	45.4	52.9	56.9	67.1	74.4	74.7	74.0	71.0	59.9	51.8	45.8	59.9
	MEAN DEW POINT	36.2	38.0	45.3	49.7	62.3	70.2	68.3	64.9	64.2	52.8	45.9	37.6	53.0
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	1	0	1	6	25	29	31	25	6	0	0	124
	MAXIMUM <= 32°	2	1	0	0	0	0	0	0	0	0	0	0	3
	MINIMUM <= 32°	5	6	1	0	0	0	0	0	0	0	1	1	14
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	406	365	185	57	0	0	0	0	0	81	246	376	1716
	COOLING DEGREE DAYS	13	20	58	75	338	577	762	872	595	222	36	5	3573
RH	MEAN (PERCENT)	59	63	62	61	67	66	53	42	55	61	68	60	60
	HOUR 00 LST	60	70	65	67	72	72	58	44	61	67	74	65	65
	HOUR 06 LST	72	74	75	74	82	82	71	60	73	76	81	73	74
	HOUR 12 LST	53	55	55	52	55	58	45	35	45	50	56	52	51
	HOUR 18 LST	49	53	49	50	58	53	37	28	42	51	59	53	49
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	0	1	1	0	0	0	0	0	0	0	2	0	4
	THUNDERSTORMS	1	4	7	5	10	8	5	1	7	3	1	1	53
PR	MEAN STATION PRESS. (IN.)	29.41	29.42	29.34	29.32	29.29	29.18	29.30	29.27	29.30	29.36	29.44	29.47	29.34
	MEAN SEA-LEVEL PRESS. (IN.)	30.04	30.06	29.97	29.95	29.92	29.80	29.91	29.88	29.91	29.99	30.09	30.11	29.97
WINDS	RESULTANT SPEED (MPH)	3.0	2.9	2.0	2.4	4.2	5.3	7.0	4.6	5.3	1.0	2.0	1.5	2.9
	RES. DIR. (TENS OF DEGS.)	24	24	18	13	15	15	17	16	15	13	17	22	17
	MEAN SPEED (MPH)	11.1	11.6	12.2	11.5	8.3	9.3	10.5	9.9	8.7	10.7	9.0	9.5	10.2
	PREVAIL.DIR.(TENS OF DEGS.)	34	18	17	17	17	17	19	20	17	17	18	15	19
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	33	39	53	32	35	29	28	30	41	35	31	30	53
	DIR. (TENS OF DEGS.)	31	22	32	13	30	29	30	25	20	01	34	32	32
	DATE OF OCCURRENCE	12	14	02	26	06	02	09	27	08	04	21	24	MAR 02
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	46	55	71	43	42	40	38	39	54	47	43	40	71
	DIR. (TENS OF DEGS.)	30	23	32	13	31	29	29	25	28	01	33	31	32
	DATE OF OCCURRENCE	12	14	02	26	06	02	09	27	08	04	21	24	MAR 02
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	1.38	3.97	2.76	3.12	2.35	0.78	0.47	T	0.83	9.63	0.47	3.55	29.31
	GREATEST 24-HOUR (IN.)	1.02	2.21	0.95	1.42	0.94	0.55	0.32	T	0.29	4.08	0.24	1.72	4.08
	DATE OF OCCURRENCE	24	07-08	16	25-26	19	13	16	27+	19	25-26	09	23-24	OCT 25-26
	NUMBER OF DAYS WITH:													
	PRECIPITATION 0.01	3	9	10	6	10	4	3	0	7	10	4	5	71
	PRECIPITATION 0.10	2	6	5	4	7	2	2	0	3	9	2	4	46
	PRECIPITATION 1.00	1	2	0	1	0	0	0	0	0	4	0	2	10
SNOWFALL	SNOW,ICE PELLETS,HAIL	1.3	T	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
	TOTAL (IN.)	1.3	T	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
	GREATEST 24-HOUR (IN.)	31	11+		20									JAN 31
	DATE OF OCCURRENCE	T	1	0	0	0	0	0	0	0	0	0	0	1
	MAXIMUM SNOW DEPTH (IN.)	31	01											FEB 01
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	1	0	0	0	0	0	0	0	0	0	0	0	1
	SNOWFALL >= 1.0													

NORMALS, MEANS, AND EXTREMES
DALLAS-FORT WORTH (KDFW)

LATITUDE: 32° 53'N **LONGITUDE:** 97° 1'W **ELEVATION (FT):** GRND: 543.59 BARO: 562 **TIME ZONE:** CENTRAL (UTC -6) **WBAN:** 03927

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	56.5	60.9	68.6	76.1	83.6	91.5	95.6	95.8	88.6	78.4	66.6	57.9	76.7
	MEAN DAILY MAXIMUM	81	55.5	59.7	68.3	76.1	83.5	91.6	95.9	96.2	88.7	78.9	66.8	58.5	76.6
	HIGHEST DAILY MAXIMUM	70	88	95	96	101	103	113	110	110	111	102	94	89	113
	YEAR OF OCCURRENCE		1969	1996	1991	2006	1985	1980	1998	2023	2000	1979	2017	2005	JUN 1980
	MEAN OF EXTREME MAXS.	81	76.8	80.4	85.5	89.3	94.4	98.9	102.8	103.5	98.9	92.6	83.3	77.9	90.4
	NORMAL DAILY MINIMUM	30	36.1	40.1	47.8	55.2	64.5	72.2	75.8	75.7	68.5	57.1	46.2	38.3	56.5
	MEAN DAILY MINIMUM	81	34.6	38.2	46.2	54.6	63.4	71.2	75.1	74.8	67.6	56.7	45.4	37.7	55.5
	LOWEST DAILY MINIMUM	70	4	-2	15	29	39	51	59	56	43	29	20	-1	-2
	YEAR OF OCCURRENCE		1964	2021	2002	1989	2013	1964	1972	1967	1984	1993	1959	1989	FEB 2021
	MEAN OF EXTREME MINS.	81	17.7	21.9	28.4	38.4	50.0	61.4	68.5	66.8	54.2	40.7	29.3	21.4	41.6
	NORMAL DRY BULB	30	46.3	50.5	58.2	65.6	74.0	81.9	85.7	85.7	78.5	67.7	56.4	48.1	66.6
	MEAN DRY BULB	81	45.1	48.9	57.3	65.4	73.5	81.5	85.5	85.5	78.2	67.8	56.1	48.1	66.1
	MEAN WET BULB	40	36.8	40.6	47.7	55.0	64.0	69.9	71.1	70.3	65.5	56.8	47.2	39.7	55.4
	MEAN DEW POINT	40	37.3	40.5	47.6	54.7	64.0	70.1	70.9	70.2	65.4	56.5	47.2	39.4	55.3
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.1	0.1	0.7	6.9	22.3	28.7	27.6	16.2	3.6	0.1	0.0	106.3
	MAXIMUM <= 32	30	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.7
	MINIMUM <= 32	30	10.6	6.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.3	8.1	29.2
	MINIMUM <= 0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H/C	NORMAL HEATING DEG. DAYS	30	582	413	246	82	10	0	0	0	3	69	285	528	2218
	NORMAL COOLING DEG. DAYS	30	2	8	35	102	290	506	642	643	410	155	27	5	2825
RH	NORMAL (PERCENT)		68	67	65	64	70	67	61	59	64	66	69	70	66
	HOUR 00 LST	30	74	71	69	71	78	74	67	66	71	73	74	73	72
	HOUR 06 LST	30	80	80	79	81	87	86	81	80	83	83	82	80	82
	HOUR 12 LST	30	61	58	56	55	59	55	49	49	54	55	58	60	56
	HOUR 18 LST	30	59	55	51	51	57	52	45	45	51	55	60	60	53
S	PERCENT POSSIBLE SUNSHINE	17	52	54	58	61	57	67	75	73	67	63	57	52	61
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	60	2.1	1.1	0.9	0.4	0.3	0.1	0.1	0.1	0.1	0.7	1.3	2.0	9.2
	THUNDERSTORMS	76	1.3	2.1	4.1	5.8	7.7	6.3	4.7	4.7	3.3	3.3	1.9	1.3	46.5
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESSURE(IN)	40	29.50	29.45	29.38	29.31	29.29	29.29	29.34	29.31	29.35	29.39	29.45	29.48	29.38
	MEAN SEA-LEVEL PRES. (IN)	40	30.14	30.08	30.01	29.93	29.90	29.90	29.95	29.94	29.97	30.02	30.08	30.12	30.00
WINDS	MEAN SPEED (MPH)	40	10.7	11.4	12.1	12.3	11.3	10.5	10.0	8.8	8.6	9.8	10.5	10.2	10.5
	PREVAIL.DIR(TENS OF DEGS)	27	19	17	17	17	17	17	17	17	17	17	17	19	17
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	28	47	51	60	61	52	53	48	49	43	49	44	48	61
	DIR. (TENS OF DEGS)		31	23	22	25	17	32	33	03	35	25	26	21	25
	YEAR OF OCCURRENCE		2008	2000	2019	2008	2006	2007	2012	2020	2005	2019	2022	2015	APR 2008
	MAXIMUM 3-SECOND														
	SPEED (MPH)	28	58	78	79	75	67	64	64	68	54	70	63	60	79
	DIR. (TENS OF DEGS)		32	23	23	24	15	30	34	02	28	26	28	22	23
	YEAR OF OCCURRENCE		2022	2000	2019	2008	2006	2009	2012	2020	2023	2021	2022	2015	MAR 2019
PRECIPITATION	NORMAL (IN)	30	2.53	2.76	3.30	3.22	4.78	3.70	2.08	2.18	2.72	4.37	2.53	2.84	37.01
	MAXIMUM MONTHLY (IN)	70	6.18	11.31	7.39	12.19	16.96	11.10	11.13	10.68	12.69	15.66	9.86	8.75	16.96
	YEAR OF OCCURRENCE		2012	2018	2002	1957	2015	2007	1973	2022	2018	2018	2015	1991	MAY 2015
	MINIMUM MONTHLY (IN)	70	T	0.15	0.07	0.11	0.70	0.34	0.00	0.00	T	T	.02	0.17	0.00
	YEAR OF OCCURRENCE		1986	1963	2011	1987	2017	2006	1993	2000	2019	1975	2005	1981	AUG 2000
	MAXIMUM IN 24 HOURS (IN)	70	4.27	4.72	4.39	4.55	5.34	3.98	4.01	9.19	8.11	5.91	4.78	4.22	9.19
	YEAR OF OCCURRENCE		2012	2018	1977	1957	1989	2017	2004	2022	2018	1959	2015	1991	AUG 2022
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	6.9	6.9	7.8	6.9	9.1	7.2	4.4	5.2	5.1	7.1	6.2	6.5	79.3
	PRECIPITATION >= 1.00	30	0.6	0.9	0.9	1.1	1.5	1.1	0.6	0.5	0.8	1.5	0.7	0.7	10.9
SNOWFALL	NORMAL (IN)	30	0.1	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6
	MAXIMUM MONTHLY (IN)	62	12.1	13.5	3.5	T	T	T	0.0	T	T	T	5.0	3.2	13.5
	YEAR OF OCCURRENCE		1964	1978	2015	2023	2011	2018	2022	2023	2019	2011	1976	2009	FEB 1978
	MAXIMUM IN 24 HOURS (IN)	62	12.1	11.2	2.5	T	T	T	T	0.0	0.0	T	4.8	3.0	12.1
	YEAR OF OCCURRENCE'		1964	2010	2015	2023	2011	2018	2008			2011	1976	2009	JAN 1964
	MAXIMUM SNOW DEPTH (IN)	66	6	11	4	0	0	0	0	0	0	0	3	2	11
	YEAR OF OCCURRENCE		1964	2010	2015								1976	2013	FEB 2010
	NORMAL NO. DAYS WITH:														
	SNOWFALL >= 1.0	30	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6

PRECIPITATION (inches) 2023 DALLAS-FORT WORTH (KDFW)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1994	1.43	2.01	1.69	3.62	5.80	2.05	4.58	4.89	1.39	8.19	6.03	2.42	44.10
1995	2.11	0.44	6.69	6.83	7.50	2.41	3.45	0.86	1.54	0.75	0.74	2.08	35.40
1996	0.97	0.35	2.36	2.14	0.95	3.42	3.85	5.02	1.51	6.56	5.54	0.47	33.14
1997	0.33	7.40	2.21	6.73	3.92	3.99	1.68	3.13	2.01	5.66	1.01	6.93	45.00
1998	5.07	3.22	4.45	1.25	2.38	1.75	0.11	0.35	0.68	5.64	4.91	4.43	34.24
1999	1.44	0.48	2.84	2.74	6.91	0.99	0.77	T	2.30	2.26	0.31	2.55	23.59
2000	1.59	3.30	2.92	4.28	3.17	5.93	T	0.00	0.16	4.38	6.95	3.57	36.25
2001	2.44	6.17	5.27	0.89	5.58	1.28	3.85	2.72	3.72	1.86	1.11	3.24	38.13
2002	4.90	0.94	7.39	5.68	5.40	3.10	3.07	1.47	1.38	6.44	0.52	4.13	44.42
2003	0.22	3.07	0.85	1.90	2.53	5.17	0.08	1.85	3.99	0.78	3.15	0.96	24.55
2004	3.04	3.84	1.71	2.96	4.73	10.49	4.16	4.24	1.02	5.72	5.01	0.65	47.57
2005	4.33	1.62	2.17	0.56	3.35	1.14	0.74	2.46	1.36	0.89	0.02	0.33	18.97
2006	2.25	3.85	4.40	1.86	1.90	0.34	1.78	0.52	2.60	4.34	2.58	3.33	29.75
2007	5.58	0.43	3.81	2.82	8.34	11.10	5.54	0.35	4.99	3.53	1.22	2.34	50.05
2008	0.27	2.30	6.07	3.85	2.21	0.84	0.81	2.82	0.84	2.29	4.53	0.27	27.10
2009	0.82	0.72	5.56	3.54	4.36	3.98	2.09	1.64	6.52	8.05	1.76	1.85	40.89
2010	2.76	2.83	3.57	2.03	1.09	2.08	3.13	0.41	9.09	1.16	1.50	2.05	31.70
2011	1.60	0.92	0.07	2.46	7.95	2.84	0.09	0.96	0.66	3.12	0.86	4.35	25.88
2012	6.18	1.88	5.74	4.24	1.66	2.82	0.78	3.19	1.75	1.02	0.05	1.95	31.26
2013	4.06	1.68	2.27	1.98	3.17	2.14	2.05	1.32	2.72	3.13	2.12	2.76	29.40
2014	0.33	0.41	1.45	1.74	3.40	3.26	0.98	4.34	0.06	2.09	2.13	1.13	21.32
2015	3.62	2.96	2.53	5.56	16.96	3.95	0.92	0.46	2.14	9.82	9.86	3.83	62.61
2016	1.04	2.20	2.67	4.60	6.25	3.60	3.89	4.42	0.98	2.01	3.22	0.60	35.48
2017	4.39	2.33	1.06	3.38	0.70	8.44	4.12	4.24	0.47	2.12	0.81	4.56	36.62
2018	0.85	11.31	2.90	0.77	1.87	1.27	0.25	2.99	12.69	15.66	0.86	4.55	55.97
2019	1.58	1.29	2.01	6.75	8.15	4.13	0.78	2.44	T	4.42	1.80	1.17	34.52
2020	5.00	3.88	6.75	1.90	7.54	5.35	2.31	1.28	3.87	1.74	1.08	3.00	43.70
2021	0.85	2.22	3.03	4.50	7.77	2.16	1.50	4.82	0.25	2.96	3.11	0.43	33.60
2022	0.08	2.03	2.12	2.54	3.00	2.64	T	10.68	0.33	4.43	6.40	2.39	36.64
2023	1.38	3.97	2.76	3.12	2.35	0.78	0.47	T	0.83	9.63	0.47	3.55	29.31
POR= 81 YRS	2.08	2.35	2.86	3.55	4.89	3.18	2.03	2.18	2.76	3.75	2.34	2.13	34.10

WBAN : 03927

AVERAGE TEMPERATURE (°F) 2023 DALLAS-FORT WORTH (KDFW)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1994	45.7	48.6	59.0	65.9	71.5	84.1	83.9	84.0	76.3	67.3	57.9	49.0	66.1
1995	48.2	52.5	56.9	64.2	73.2	79.9	85.5	85.5	76.6	67.8	54.8	47.5	66.1
1996	43.0	52.1	53.3	64.2	79.7	82.5	86.2	82.5	74.5	66.9	54.9	49.2	65.8
1997	44.0	49.5	58.3	60.4	70.1	78.8	84.9	83.1	80.2	67.2	52.1	45.6	64.5
1998	48.4	51.1	54.9	63.8	78.5	85.5	91.6	87.8	83.6	69.5	57.6	47.0	68.3
1999	48.6	55.5	56.4	67.9	73.8	82.1	86.1	90.2	79.0	69.2	62.9	51.5	68.6
2000	50.6	57.3	61.0	65.3	76.6	80.7	87.3	90.2	80.4	69.7	49.8	39.4	67.4
2001	42.7	50.2	51.8	67.8	74.2	80.3	86.7	84.9	74.6	65.0	59.7	49.5	65.6
2002	47.6	47.0	54.8	68.4	72.0	80.1	83.2	84.7	79.6	64.9	53.8	47.7	65.3
2003	43.7	45.6	56.2	67.0	75.5	79.0	86.3	86.7	74.5	68.8	59.4	49.7	66.0
2004	48.5	45.8	61.8	66.2	74.4	79.4	83.5	81.5	78.4	72.1	57.1	48.9	66.5
2005	49.6	52.6	56.8	65.5	73.5	83.6	85.1	86.8	83.7	68.8	60.8	48.2	67.9
2006	55.1	49.4	62.2	72.0	78.0	83.7	87.7	89.8	77.6	68.1	57.5	50.0	69.3
2007	42.3	49.4	64.0	62.4	74.6	81.4	83.8	87.8	81.6	72.1	61.3	49.8	67.5
2008	46.9	54.0	61.0	66.5	77.0	86.5	89.0	86.7	78.5	69.6	59.7	49.0	68.7
2009	48.1	55.8	58.9	64.8	73.3	83.8	86.6	85.3	76.2	62.7	59.5	42.7	66.5
2010	44.3	41.7	55.8	66.7	76.9	86.5	85.9	89.8	79.8	68.8	58.5	49.3	67.0
2011	42.8	49.5	61.3	70.8	72.8	86.8	91.4	93.4	80.0	68.2	57.9	47.6	68.5
2012	50.4	52.5	64.3	70.3	77.9	84.3	87.7	86.5	80.0	67.0	59.7	51.2	69.3
2013	49.1	52.0	56.4	63.0	72.3	82.6	84.4	87.1	82.4	68.2	53.5	43.1	66.2
2014	45.3	46.9	55.1	66.3	74.4	82.3	83.8	86.2	80.3	71.6	51.5	50.1	66.2
2015	44.5	45.7	56.1	65.8	70.9	82.1	87.1	87.3	82.7	71.2	58.7	53.6	67.1
2016	47.0	55.2	61.2	68.1	72.5	84.0	87.4	85.8	81.5	74.1	63.5	49.7	69.2
2017	51.2	60.6	65.7	69.3	75.4	82.5	86.6	84.4	80.6	69.6	62.4	49.8	69.8
2018	45.9	51.1	63.3	61.7	79.1	85.7	88.8	85.2	78.1	66.2	52.6	48.4	67.2
2019	45.9	50.2	55.0	66.0	73.4	79.9	84.6	87.4	85.5	65.6	53.5	50.1	66.4
2020	50.3	49.6	63.4	64.6	73.8	81.9	85.7	86.0	74.7	65.0	60.4	49.0	67.0
2021	47.5	41.1	61.4	64.6	71.8	82.1	84.7	85.1	80.5	72.0	57.7	61.3	67.5
2022	45.8	46.2	58.5	69.5	77.9	86.1	91.8	86.8	80.6	69.1	55.0	50.7	68.2
2023	52.2	52.4	60.7	65.3	75.6	84.0	89.3	92.9	84.6	69.2	57.8	52.8	69.7
POR= 81 YRS	45.1	48.9	57.3	65.4	73.5	81.5	85.5	85.5	78.2	67.8	56.1	48.1	66.1

HEATING DEGREE DAYS (base 65°F) 2023 DALLAS-FORT WORTH (KDFW)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1994-95	0	0	6	71	226	487	521	348	289	86	13	0	2047
1995-96	0	0	22	41	304	549	671	403	384	104	0	0	2478
1996-97	0	0	14	51	308	483	650	429	213	155	16	0	2319
1997-98	0	0	0	89	383	593	512	383	347	86	0	0	2393
1998-99	0	0	0	31	226	559	505	266	263	39	3	0	1892
1999-00	0	0	0	44	118	421	447	239	169	77	0	0	1515
2000-01	0	0	12	64	458	785	685	417	402	41	0	0	2864
2001-02	0	0	3	77	191	489	540	501	334	57	12	0	2204
2002-03	0	0	0	101	335	528	652	541	280	51	0	0	2488
2003-04	0	0	0	30	226	468	515	549	140	57	20	0	2005
2004-05	0	0	0	5	230	494	483	357	259	52	24	0	1904
2005-06	0	0	0	65	194	521	304	437	170	6	0	0	1697
2006-07	0	0	0	63	243	466	699	438	109	141	0	0	2159
2007-08	0	0	0	35	188	474	569	331	182	59	3	0	1841
2008-09	0	0	0	38	197	499	526	273	239	95	3	0	1870
2009-10	0	0	0	115	176	681	634	645	288	41	3	0	2583
2010-11	0	0	1	25	233	483	681	455	181	23	38	0	2120
2011-12	0	0	0	59	253	535	450	364	108	8	0	0	1777
2012-13	0	0	0	98	190	452	493	357	279	138	38	0	2045
2013-14	0	0	0	44	357	671	603	498	321	100	9	0	2603
2014-15	0	0	1	12	405	456	625	537	301	56	6	0	2399
2015-16	0	0	0	5	210	356	550	290	142	27	12	0	1592
2016-17	0	0	0	1	101	484	427	175	93	24	0	0	1305
2017-18	0	0	0	59	144	476	588	400	114	150	0	0	1931
2018-19	0	0	0	103	369	507	588	425	316	70	18	0	2396
2019-20	0	0	0	148	346	456	457	443	124	122	2	0	2098
2020-21	0	0	3	141	159	486	535	660	151	89	15	0	2239
2021-22	0	0	0	15	229	173	590	526	234	22	0	0	1789
2022-23	0	0	0	43	337	446	406	365	185	57	0	0	1839
2023-	0	0	0	81	246	376							

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COOLING DEGREE DAYS (base 65°F) 2023 DALLAS-FORT WORTH (KDFW)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1994	3	0	50	119	238	578	591	596	350	149	19	1	2694
1995	5	5	44	67	271	456	641	643	374	132	6	12	2656
1996	0	37	27	87	464	531	663	549	302	120	10	2	2792
1997	6	0	12	24	181	423	622	566	461	163	3	0	2461
1998	0	0	45	56	424	623	831	710	563	177	9	9	3447
1999	4	5	4	134	282	520	662	785	425	181	63	9	3074
2000	7	23	49	93	364	475	698	787	482	215	7	0	3200
2001	0	6	0	134	293	465	682	624	300	86	39	13	2642
2002	5	0	24	166	237	460	570	617	444	103	8	0	2634
2003	0	4	13	115	334	428	666	679	294	152	68	0	2753
2004	11	0	47	100	319	438	577	518	407	232	2	2	2653
2005	10	17	10	75	294	564	628	684	570	189	74	5	3120
2006	5	7	89	223	406	569	711	775	386	165	22	8	3366
2007	0	6	81	68	304	497	588	714	506	261	88	11	3124
2008	15	18	66	111	385	652	753	679	410	190	44	9	3332
2009	10	24	58	95	267	569	674	636	340	52	15	0	2740
2010	0	0	7	99	377	653	657	777	451	149	45	3	3218
2011	0	28	73	203	289	660	828	887	457	166	49	0	3640
2012	3	5	95	176	408	585	713	675	457	166	40	28	3351
2013	10	2	21	84	272	538	609	692	532	152	18	0	2930
2014	0	0	22	145	309	527	589	664	465	225	5	1	2952
2015	0	0	34	89	196	520	694	699	537	207	25	9	3010
2016	0	11	30	131	251	574	701	653	501	291	64	16	3223
2017	6	62	123	160	331	532	677	610	476	209	73	12	3271
2018	3	19	70	57	442	628	746	634	401	148	4	0	3152
2019	0	17	18	108	286	456	614	703	623	173	7	0	3005
2020	5	3	80	117	281	514	652	659	301	147	29	0	2788
2021	0	0	46	83	234	521	618	629	474	239	16	61	2921
2022	0	6	39	162	408	640	838	682	473	180	44	9	3481
2023	13	20	58	75	338	577	762	872	595	222	36	5	3573

SNOWFALL (inches) 2023 DALLAS-FORT WORTH (KDFW)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1995-96	0.0	0.0	0.0	0.0	T	0.0	0.9	1.5	T	0.0	0.0	0.0	2.4
1996-97	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	0.0	0.0	T
1997-98	0.0	0.0	0.0	0.0	T	T	T	0.0	0.5	0.0	0.0	0.0	0.5
1998-99	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2000-01	0.0	0.0	0.0	0.0	0.0	1.5	0.0	T	0.0	0.0	0.0	0.0	1.5
2001-02	0.0	0.0	0.0	0.0	T	0.0	T	3.5	0.3	T	0.0	0.0	3.8
2002-03	0.0	0.0	0.0	0.0	0.0	T	1.2	2.0	0.0	0.0	0.0	0.0	3.2
2003-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6
2004-05	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
2005-06	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
2006-07	0.0	0.0	0.0	0.0	T	0.0	0.3	T	0.0	T	0.0	T	0.3
2007-08	0.0	0.0	0.0	0.0	T	0.0	T	0.0	2.1	0.0	T	0.0	2.1
2008-09	T	0.0	0.0	0.0	0.0	T	0.2	T	0.0	0.0	0.0	0.0	0.2
2009-10	0.0	0.0	0.0	0.0	0.0	3.2	T	12.6	1.3	0.0	0.0	0.0	17.1
2010-11	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.0	0.0	T	T	T	4.3
2011-12	0.0	0.0	0.0	T	0.0	0.0	0.0	0.3	0.0	T	0.0	T	0.3
2012-13	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.8
2013-	0.0	0.0	0.0	0.0	T	2.1							
2013-14	0.0	0.0	0.0	0.0	T	2.1	T	0.7	0.1	0.0	0.0	0.0	2.9
2014-15	0.0	0.0	0.0	0.0	T	0.0	T	2.3	3.5	0.0	0.0	0.0	5.8
2015-16	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
2016-17	0.0	0.0	0.0	0.0	0.0	T	0.1	0.0	0.0	0.0	0.0	0.0	0.1
2017-18	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	T	T
2018-19	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T	0.0	0.0	T
2019-20	0.0	0.0	0.0	0.0	0.0	0.0	0.2	T	0.0	0.0	0.0	0.0	0.2
2020-21	0.0	0.0	0.0	0.0	0.0	0.0	T	5.0	0.0	0.0	0.0	0.0	5.0
2021-22	0.0	0.0	0.0	0.0	T	0.0	T	1.7	T	T	0.0	0.0	1.7
2022-23	0.0	0.0	0.0	0.0	T	T	1.3	T	0.0	T	0.0	0.0	1.3
2023-	0.0	0.0	0.0	0.0	0.0	0.0							
POR= 80 YRS	T	0.0	0.0	T	0.1	0.2	1.0	1.0	0.2	T	T	T	2.5

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REFERENCE NOTES :

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).
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).
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.
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
CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.
GENERAL CONTINUED:
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.
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.
STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED SATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:
http://www.ncdc.noaa.gov/homr/
SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

NOTE:

The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

2023
DALLAS - FORT WORTH
TEXAS (KDFW)

The Dallas-Fort Worth Metroplex is located in North Central Texas. The settlement of Dallas was founded in 1841, and the establishment of the military outpost of Fort Worth followed in 1849. The Weather Bureau opened an office in downtown Fort Worth in 1898, from which the continuous Dallas/Fort Worth climate record began. The combined urban area has become one of the most populous metropolitan areas in the county.

Within the southern reaches of the Great Plains, the region is a mixture of prairie and oak woodlands though much of the natural landscape has been overtaken by urbanization and agricultural land use. Rolling hills range in elevation from around 500 feet to more than 800 feet. Numerous tributaries of the Trinity River converge in the area, becoming one waterway departing Dallas for the Gulf of Mexico, which is nearly 300 miles to the southeast. The river is controlled by a network of dams and levees. Lake Grapevine, one of many manmade reservoirs in the area, lies a few miles northwest of DFW Airport. The west to east oriented floodplain of the Trinity River is a few miles south of the airfield.

The climate of Dallas/Fort Worth is humid subtropical with hot summers. It is continental, characterized by a wide annual temperature range. Precipitation varies considerably, annual values ranging from less than 20 inches to more than 50 inches. The precipitation is also unevenly distributed throughout the year, typically favoring a bimodal distribution of wet spring/fall and dry summer/winter. Although the average freeze-free period runs from March to November, the actual growing seasons are more closely tied to the rainier periods of spring and fall, with dormancy dominating summer and winter.

Winters are generally mild, but the season features considerable temperature variability. Periodic cold fronts bring usually brief spells of below normal temperatures. A warming trend usually follows a bout of cold weather, typically culminating before the next cold front arrives. Increasing urbanization has reduced the number of freezes at DFW Airport compared to suburban and rural areas on the outer portions of the Metroplex. Although winter is the cloudiest season, less precipitation occurs than during the adjacent seasons of fall and spring. Brief precipitation often accompanies frontal passages, but more prolonged periods of rain and drizzle can occur when cold air is in place. While infrequent, wintry precipitation occurs every winter, but many seasons conclude with little to no measurable snowfall.

Maritime tropical air masses are difficult to dislodge during summer, and temperatures vary little as a result. During the peak summer months of July and August, also the sunniest months of the year, daytime temperatures are consistently in the 90s, often reaching or exceeding 100 degrees. Gulf moisture maintains stifling humidity, and overnight temperatures occasionally fail to fall below 80 degrees. Brief afternoon or evening thunderstorms account for the bulk of the limited rainfall during the summer, usually occurring on days that are otherwise sunny and hot. Impacts from tropical systems are quite infrequent and generally limited to unusually cloudy/rainy periods.

The transition seasons of spring and fall are typically the wettest periods of the year, but the bulk of the rainfall is associated with thunderstorms, and extended periods of pleasant weather still occur. The frequency of thunderstorms and associated severe weather peaks during the spring. Large hail, damaging winds, flooding, and tornadoes occur nearly every year in the Dallas/Fort Worth Metroplex, but a specific location is unlikely to experience all of these events every year.

Station History

DALLAS-FORT WORTH, TX

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
FORT WORTH AMON CARTER FIELD	1953-04-01	1963-06-14	32° 49'	-97° 3'	574		AIRWAYS,COOP
FORT WORTH GREATER SW INTL AP	1963-06-14	1969-01-01	32° 49'	-97° 3'	574		AIRWAYS,COOP
FORT WORTH GREATER SW INTL AP	1969-01-01	1974-07-31	32° 49'	-97° 3'	574		COOP,WXSVC
DALLAS FORT WORTH REGIONAL AP	1974-08-14	1975-03-06	32° 54'	-97° 1'	551		WXSVC
DALLAS FORT WORTH REGIONAL AP	1975-03-06	1995-12-01	32° 53'	-97° 1'	543		COOP,WXSVC
DALLAS FORT WORTH INTL AP	1995-12-01	2014-08-01	32° 53'	-97° 1'	543		ASOS,COOP
DAL-FTW WSCMO AP	2014-08-01	2017-10-01	32° 53'	-97° 1'	543		ASOS,COOP
DAL-FTW WSCMO AP	2017-10-01	2021-11-22	32° 53'	-97° 1'	543		ASOS,COOP,PLCD
DAL-FTW WSCMO AP	2021-11-22	Present	32° 53'	-97° 1'	543.59		ASOS,COOP,PLCD

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1975-03-06	1991-07-01	DAILY	2400	HYGR		
PRECIP	1991-07-01	1995-12-01	DAILY	2400	SRG		
PRECIP	1991-07-01	1995-12-01	HOURLY	2400	UNIV	RCRD	
TEMP	1991-07-01	1995-12-01	DAILY	2400	HYGR		
PRECIP	1995-12-01	1996-04-01	DAILY	2400	TB	RCRD	
PRECIP	1995-12-01	1996-04-01	HOURLY	2400	UNIV		
TEMP	1995-12-01	1996-04-01	DAILY	2400	HYGR		
WIND	1995-12-01	1996-04-01	HOURLY	UNKN	ANEMCUP		
PRECIP	1996-04-01	2008-10-01	DAILY	2400	TB	RCRD	
PRECIP	1996-04-01	2008-10-01	HOURLY	2400	TB	RCRD	
TEMP	1996-04-01	2008-10-01	DAILY	2400	HYGR		
WIND	1996-04-01	2008-10-01	HOURLY	UNKN	ANEMCUP		
PRECIP	2008-10-01	2009-05-27	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2008-10-01	2009-05-27	DAILY	2400	PCPNX		
TEMP	2008-10-01	2009-05-27	DAILY	2400	ATEMP		
WIND	2008-10-01	2009-05-27	HOURLY	UNKN	ANEMCUP		
PRECIP	2009-05-27	2023-05-10	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2009-05-27	2023-05-10	DAILY	2400	PCPNX		
TEMP	2009-05-27	2023-05-10	DAILY	2400	ATEMP		
WIND	2009-05-27	2023-05-10	HOURLY	UNKN	ANEMSONIC		
PRECIP	2023-05-10	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	2023-05-10	Present	DAILY	2400	AWPAG	RCRD;HTD	
TEMP	2023-05-10	Present	DAILY	2400	ATEMP		
WIND	2023-05-10	Present	HOURLY	UNKN	ANEMSONIC		

* For explanation of codes and abbrevitions see Station Metadata link below.

Other Station Information can be found at:
ASOS Implementation by NWS: http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm
Station Metadata website: http://www.ncdc.noaa.gov/homr

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2
Fax Number : (828) 271-4876
TDD : (828) 271-4010
Email : ncdc.orders@noaa.gov

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