

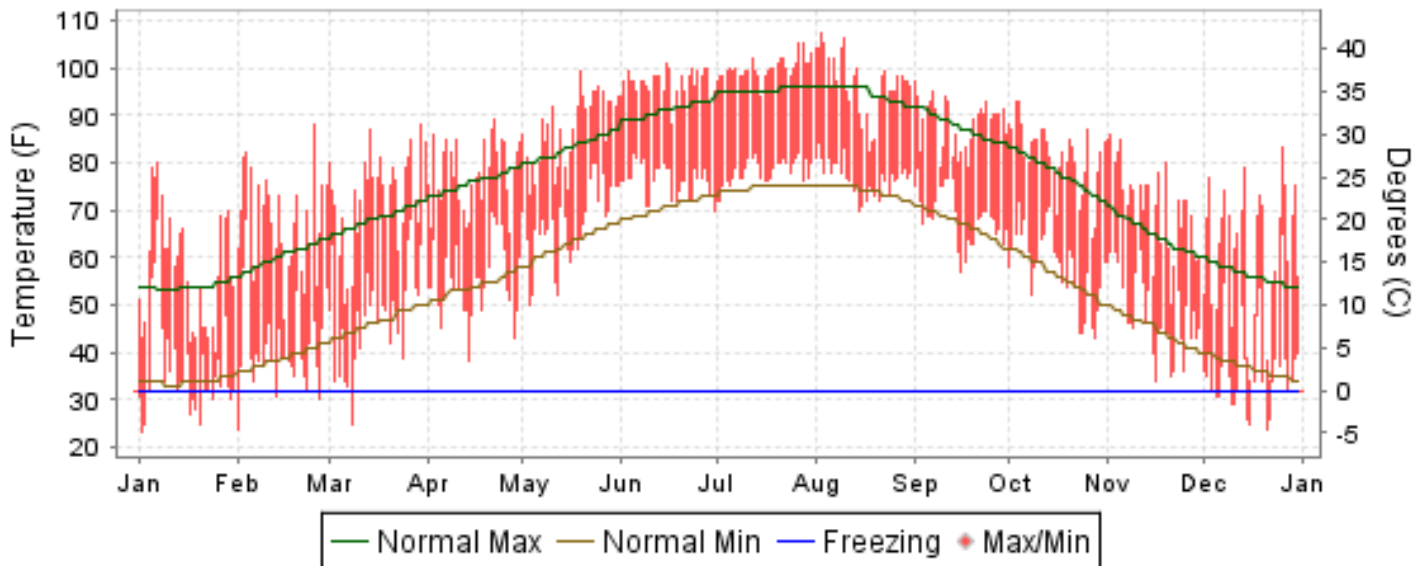


# 2008 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

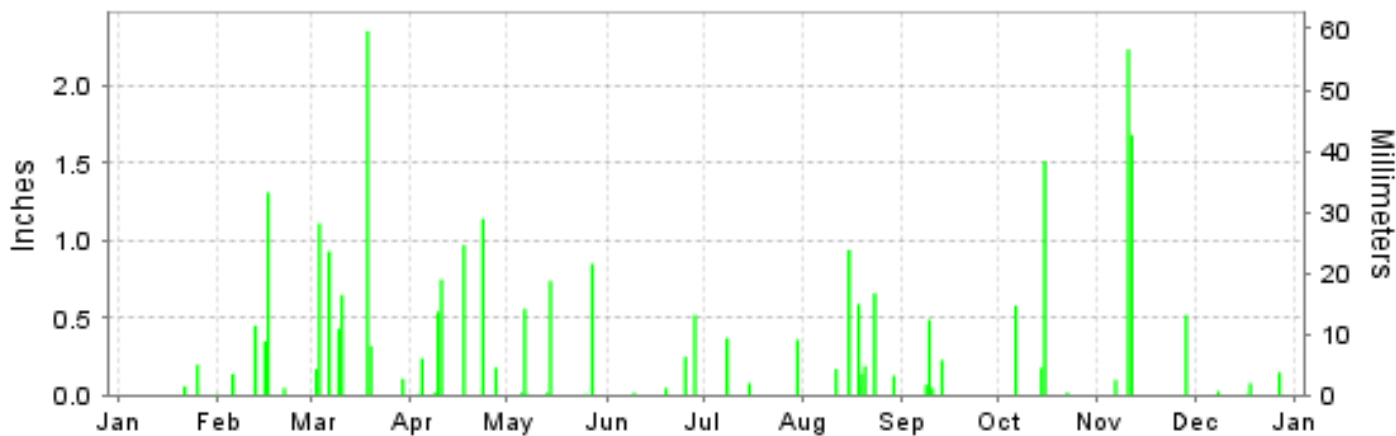
ISSN 0198-5043

## DALLAS-FORT WORTH, TEXAS (KDFW)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2008

## DALLAS-FORT WORTH (KDFW)

LATITUDE: 32 ° 53'N      LONGITUDE: -97 ° 2 'W      ELEVATION (FT): GRND: 547    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	57.4	67.3	72.8	77.9	87.0	96.7	99.8	96.5	88.2	81.3	70.7	61.1	79.7	
	HIGHEST DAILY MAXIMUM	80	88	88	89	99	101	105	107	97	93	86	83	107	
	DATE OF OCCURRENCE	07	25	30	22	19	15	28+	03	01	04+	02	26	AUG 03	
	MEAN DAILY MINIMUM	36.4	40.7	49.1	55.0	67.0	76.3	78.2	76.9	68.8	57.9	48.6	36.8	57.6	
	LOWEST DAILY MINIMUM	23	24	25	38	50	70	72	70	57	43	34	24	23	
	DATE OF OCCURRENCE	02	01	08	14	03	30	02+	15	16	28	16	21	JAN 02	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	40.1	45.5	51.8	57.5	66.2	72.7	72.8	73.5	67.2	58.4	50.2	41.6	58.1	
	MEAN DEW POINT	29.8	35.5	43.5	49.7	59.3	66.1	64.7	67.4	60.4	49.2	40.1	30.5	49.7	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	14	29	31	27	16	2	0	0	0	119
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	2	0	0	0	0	2
MINIMUM <= 32°	14	4	1	0	0	0	0	0	0	0	0	11	30	30	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	569	331	182	59	3	0	0	0	0	38	197	499	1878	
	COOLING DEGREE DAYS	15	18	66	111	385	652	753	679	410	190	44	9	3332	
RH	MEAN (PERCENT)	55	54	57	57	57	53	47	56	57	52	52	52	54	
	HOUR 00 LST	58	60	60	62	63	60	51	63	63	58	58	57	59	
	HOUR 06 LST	70	69	69	71	70	71	67	74	75	69	66	64	70	
	HOUR 12 LST	46	45	52	48	50	43	38	47	46	41	42	44	45	
	HOUR 18 LST	44	42	46	44	45	39	33	44	44	40	42	44	42	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	0	1	0	0	0	0	0	0	0	0	2	5	
	THUNDERSTORMS	0	4	6	6	7	6	4	6	0	1	4	2	46	
CLOUDNESS	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.)	29.52	29.36	29.34	29.30	29.21	29.28	29.31	29.26	29.36	29.47	29.44	29.46	29.36	
	MEAN SEA-LEVEL PRESS. (IN.)	30.17	30.00	29.97	29.93	29.83	29.89	29.92	29.87	29.98	30.10	30.08	30.11	29.99	
WINDS	RESULTANT SPEED (MPH)	3.0	3.0	3.5	4.4	5.8	10.8	8.0	3.7	2.9	3.3	1.8	1.4	3.7	
	RES. DIR. (TENS OF DEGS.)	19	21	17	17	16	17	17	13	04	15	20	20	17	
	MEAN SPEED (MPH)	11.7	12.4	14.4	13.7	11.9	13.9	10.0	7.9	7.5	9.5	10.5	12.8	11.4	
	PREVAIL.DIR.(TENS OF DEGS.)	18	17	17	17	17	17	17	17	12	18	18	17	17	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	47	44	40	61	33	51	41	38	33	37	38	44	61	
	DIR. (TENS OF DEGS.)	31	30	01	25	23	34	20	34	32	01	35	18	25	
	DATE OF OCCURRENCE	29	05	18	10	07	17	08	15	03	26	14	13	APR 10	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	54	49	68	75	40	64	48	43	41	43	47	48	75	
DIR. (TENS OF DEGS.)	28	30	02	24	23	33	19	26	02	01	26	18	24		
DATE OF OCCURRENCE	29	05	18	10	07	17	08	23	02	26	11	13	APR 10		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	0.20	1.66	2.67	1.14	0.85	0.52	0.37	0.94	0.56	1.68	3.89	0.15	3.89	
	DATE OF OCCURRENCE	25	15-16	18-19	23	27	28	08	15	08-09	14-15	10-11	27	NOV 10-11	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	3	5	8	8	7	4	3	7	4	4	4	4	61	
PRECIPITATION 0.10	1	4	8	6	3	2	2	7	1	3	4	1	42		
PRECIPITATION 1.00	0	1	2	1	0	0	0	0	0	1	2	0	7		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	T	0.0	2.1	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T	2.1	
	GREATEST 24-HOUR (IN.)	T	0.0	1.1	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T	1.1	
	DATE OF OCCURRENCE	18		06		06		08					09	MAR 06	
	MAXIMUM SNOW DEPTH (IN.)	0	0	1	0	0	0	0	0	0	0	0	0	1	
	DATE OF OCCURRENCE	18		07+										MAR 07+	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	0	2	0	0	0	0	0	0	0	0	0	2		

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

LATITUDE: 32 ° 53'N      LONGITUDE: -97 ° 2 'W      ELEVATION (FT): GRND: 547    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	54.1	60.1	68.3	75.9	83.2	91.1	95.4	94.8	87.7	77.9	65.1	56.5	75.8	
	MEAN DAILY MAXIMUM	66	54.9	59.5	67.8	75.9	83.3	91.2	95.7	95.9	88.3	78.8	66.5	58.1	76.3	
	HIGHEST DAILY MAXIMUM	55	88	95	96	101	103	113	110	109	111	102	89	89	113	
	YEAR OF OCCURRENCE		1969	1996	1991	2006	1985	1980	1998	2003	2000	1979	2005	2005	2005	JUN 1980
	MEAN OF EXTREME MAXS.	66	76.4	80.1	85.2	89.2	94.3	98.5	102.6	103.2	98.6	92.5	83.1	77.5	90.1	
	NORMAL DAILY MINIMUM	30	34.0	38.7	46.4	54.0	63.0	70.7	74.6	74.0	67.2	56.4	45.1	36.8	55.1	
	MEAN DAILY MINIMUM	66	34.2	37.9	45.6	54.3	63.2	70.6	74.6	74.2	67.0	56.5	45.1	37.2	55.0	
	LOWEST DAILY MINIMUM	55	4	7	15	29	41	51	59	56	43	29	20	-1	-1	
	YEAR OF OCCURRENCE		1964	1985	2002	1989	1978	1964	1972	1967	1984	1993	1959	1989	1989	DEC 1989
	MEAN OF EXTREME MINS.	66	16.9	21.7	27.9	37.9	49.9	60.7	67.9	66.3	53.1	40.6	28.9	20.6	41.0	
	NORMAL DRY BULB	30	44.1	49.4	57.4	65.0	73.1	80.9	85.0	84.4	77.5	67.2	55.1	46.7	65.5	
	MEAN DRY BULB	66	44.6	48.7	56.7	65.1	73.3	81.0	85.1	85.1	77.7	67.7	55.8	47.7	65.7	
	MEAN WET BULB	25	39.6	43.3	49.9	57.2	65.9	71.4	73.0	72.5	67.3	58.8	49.3	41.4	57.5	
	MEAN DEW POINT	25	35.3	38.6	45.0	52.5	62.7	68.5	69.1	68.2	63.2	54.8	45.1	36.9	53.3	
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.1	0.2	0.8	5.6	20.2	28.2	27.1	15.7	3.0	0.0	0.0	100.9	
	MAXIMUM <= 32	30	1.5	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.6	
MINIMUM <= 32	30	13.5	6.9	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	2.9	10.0	35.6		
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		
H/C	NORMAL HEATING DEG. DAYS	30	650	448	248	74	13	0	0	0	2	52	312	571	2370	
	NORMAL COOLING DEG. DAYS	30	3	7	10	72	265	478	621	601	376	118	15	2	2568	
RH	NORMAL (PERCENT)	30	68	67	65	64	70	67	61	59	64	66	69	70	66	
	HOURLY 00 LST	30	74	71	69	71	78	74	67	66	71	73	74	73	72	
	HOURLY 06 LST	30	80	80	79	81	87	86	81	80	83	83	82	80	82	
	HOURLY 12 LST	30	61	58	56	55	59	55	49	49	54	55	58	60	56	
	HOURLY 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 (VISIB <= 1/4 MI)	45	2.2	1.2	0.9	0.5	0.3	0.1	0.1	0.0	0.1	0.7	1.5	2.1	9.7	
	THUNDERSTORMS	61	1.3	2.1	4.2	5.7	7.6	6.4	4.7	4.8	3.3	3.1	1.9	1.2	46.3	
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)															
	MIDNIGHT-MIDNIGHT (OKTAS)															
	MEAN NO. DAYS WITH: CLEAR															
	PARTLY CLOUDY CLOUDY															
PR	MEAN STATION PRESSURE (IN)	25	29.50	29.45	29.38	29.32	29.29	29.30	29.35	29.31	29.36	29.41	29.45	29.50	29.39	
	MEAN SEA-LEVEL PRES. (IN)	25	30.14	30.09	30.01	29.94	29.91	29.91	29.96	29.95	29.97	30.03	30.08	30.13	30.01	
WINDS	MEAN SPEED (MPH)	25	10.8	11.2	12.1	12.1	11.3	10.3	10.0	8.6	8.7	9.7	10.7	10.4	10.5	
	PREVAIL. DIR. (TENS OF DEGS)	12	19	19	17	17	17	17	19	19	17	17	19	19	19	
	MAXIMUM 2-MINUTE: SPEED (MPH)	13	47	51	48	61	52	53	41	47	43	46	43	44	61	
	DIR. (TENS OF DEGS)		31	23	30	25	17	32	20	33	35	23	31	18	25	
	YEAR OF OCCURRENCE		2008	2000	2000	2008	2006	2007	2008	1996	2005	2001	2006	2008	APR 2008	
	MAXIMUM 3-SECOND SPEED (MPH)	13	54	78	74	75	67	64	53	47	49	54	54	48	78	
	DIR. (TENS OF DEGS)		28	23	27	24	15	33	06	34	35	27	31	18	23	
YEAR OF OCCURRENCE		2008	2000	2000	2008	2006	2008	2002	2002	2005	2004	2006	2008	FEB 2000		
PRECIPITATION	NORMAL (IN)	30	1.90	2.37	3.06	3.20	5.15	3.23	2.12	2.03	2.42	4.11	2.57	2.57	34.73	
	MAXIMUM MONTHLY (IN)	55	5.58	7.40	7.39	12.19	13.66	11.10	11.13	6.85	9.52	14.18	6.95	8.75	14.18	
	YEAR OF OCCURRENCE		2007	1997	2002	1957	1982	2007	1973	1970	1964	1981	2000	1991	OCT 1981	
	MINIMUM MONTHLY (IN)	55	T	0.15	0.10	0.11	0.95	0.34	0.00	0.00	0.09	T	.02	0.17	0.00	
	YEAR OF OCCURRENCE		1986	1963	1972	1987	1996	2006	1993	2000	1984	1975	2005	1981	AUG 2000	
	MAXIMUM IN 24 HOURS (IN)	55	3.46	4.06	4.39	4.55	5.34	3.16	4.01	4.05	4.76	5.91	3.89	4.22	5.91	
	YEAR OF OCCURRENCE		2002	1965	1977	1957	1989	2007	2004	1976	1965	1959	2008	1991	OCT 1959	
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	7.2	6.3	7.8	7.1	9.3	7.2	4.3	4.5	5.9	6.7	6.4	6.5	79.2	
PRECIPITATION >= 1.00	30	0.3	0.7	0.8	1.1	1.8	0.8	0.6	0.6	0.8	1.4	0.7	0.6	10.2		
SNOWFALL	NORMAL (IN)	30	0.8	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.2	0.2	2.5	
	MAXIMUM MONTHLY (IN)	47	12.1	13.5	2.5	T	T	T	T	T	0.0	0.0	T	5.0	2.6	13.5
	YEAR OF OCCURRENCE		1964	1978	1962	2007	2008	2007	2008	2008	2008	1993	1976	1963	FEB 1978	
	MAXIMUM IN 24 HOURS (IN)	47	12.1	7.5	2.5	T	T	T	T	0.0	0.0	T	4.8	2.5	12.1	
	YEAR OF OCCURRENCE		1964	1978	1962	1995	1995	2007	2008	2008	2008	1993	1976	1963	JAN 1964	
	MAXIMUM SNOW DEPTH (IN)	51	6	8	2	0	0	0	0	0	0	0	3	2	8	
	YEAR OF OCCURRENCE		1964	1978	1971								1976	1983	FEB 1978	
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.0		

**PRECIPITATION (inches) 2008 DALLAS-FORT WORTH (KDFW)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1979	3.35	1.52	6.33	2.03	5.90	1.36	1.94	2.47	0.99	3.38	0.43	2.72	32.42
1980	2.52	0.84	1.24	2.23	3.01	1.25	0.71	T	6.54	1.08	1.23	1.43	22.08
1981	0.58	1.44	3.39	2.69	6.24	7.85	1.81	2.32	2.40	14.18	1.53	0.17	44.60
1982	2.33	1.89	1.71	2.71	13.66	4.28	2.73	0.52	0.58	3.36	4.22	2.76	40.75
1983	2.55	1.25	4.36	0.59	5.83	2.07	1.56	5.55	0.22	4.04	2.22	0.83	31.07
1984	1.07	3.11	4.92	1.41	3.04	2.79	0.43	1.47	0.09	6.50	2.97	6.09	33.89
1985	0.81	2.62	3.70	3.75	2.13	3.78	2.40	0.53	3.35	3.91	3.11	0.61	30.70
1986	T	2.49	1.08	5.30	5.52	3.92	0.41	1.63	4.60	1.81	3.25	2.44	32.45
1987	1.22	3.67	1.70	0.11	5.95	3.45	1.77	0.81	1.38	0.12	4.17	2.90	27.25
1988	0.88	1.23	2.03	2.21	2.11	3.23	2.47	0.44	4.04	1.64	2.28	2.48	25.04
1989	2.56	3.70	3.72	1.86	9.62	8.75	2.61	1.89	2.40	2.02	0.49	0.33	39.95
1990	4.54	4.72	5.89	6.90	7.16	1.89	2.60	2.37	1.12	2.81	3.81	1.46	45.27
1991	2.72	2.60	1.35	3.63	6.97	4.26	3.99	4.30	4.61	9.32	1.04	8.75	53.54
1992	3.25	2.40	3.24	2.46	6.93	5.23	2.48	2.08	3.25	3.05	3.56	4.26	42.19
1993	1.74	5.78	3.03	3.49	1.75	3.75	0.00	0.75	3.28	5.10	1.62	2.54	32.83
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
POR= 66 YRS	2.03	2.27	2.83	3.61	4.85	3.15	2.14	2.01	2.74	3.51	2.33	2.03	33.50

WBAN : 03927

**AVERAGE TEMPERATURE (°F) 2008 DALLAS-FORT WORTH (KDFW)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1979	35.4	42.2	56.7	64.4	69.7	81.0	84.5	82.5	77.0	70.8	52.9	49.4	63.9
1980	45.5	46.6	54.2	63.1	75.0	87.0	92.0	88.5	80.3	65.4	54.9	49.4	66.8
1981	44.6	48.9	55.7	69.2	70.5	80.3	85.9	83.4	76.2	66.1	57.5	47.3	65.5
1982	44.6	44.5	59.8	62.5	72.5	79.2	84.6	86.7	78.1	67.0	55.6	49.2	65.4
1983	43.4	48.5	54.5	60.6	69.5	77.3	83.6	84.9	77.1	67.8	57.3	34.8	63.3
1984	39.3	50.9	56.3	63.7	73.7	82.5	85.5	85.8	76.1	67.0	54.6	52.6	65.7
1985	37.8	45.0	60.8	67.2	74.0	80.2	84.4	87.6	77.7	67.6	56.3	42.3	65.1
1986	48.8	51.2	60.2	67.2	71.5	80.8	86.4	83.4	80.2	65.7	52.4	46.1	66.2
1987	44.5	50.8	53.9	65.0	75.1	79.6	83.4	86.5	77.1	66.5	55.7	47.3	65.5
1988	42.2	47.1	56.0	64.5	72.8	80.4	85.3	87.9	79.2	65.7	58.1	49.1	65.7
1989	50.0	42.2	56.7	66.4	74.3	77.9	82.8	82.3	74.7	69.0	58.2	39.0	64.5
1990	51.8	53.9	57.7	64.0	73.4	84.0	82.5	84.6	80.0	66.4	59.8	44.0	66.8
1991	42.8	53.7	59.8	67.4	75.4	81.0	85.0	82.5	75.2	68.1	51.7	50.3	66.1
1992	46.9	54.4	59.1	66.0	71.1	79.4	84.3	80.2	77.7	69.5	52.7	49.9	65.9
1993	45.1	49.0	56.1	63.3	71.9	81.7	87.3	87.5	78.2	63.8	51.6	49.5	65.4
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
POR= 66 YRS	44.6	48.7	56.7	65.1	73.3	81.0	85.1	85.1	77.7	67.7	55.8	47.7	65.7

**HEATING DEGREE DAYS (base 65°F) 2008 DALLAS-FORT WORTH (KDFW)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1979-80	0	0	0	34	370	478	597	530	339	102	6	0	2456
1980-81	0	0	18	99	330	486	625	448	284	26	23	0	2339
1981-82	0	0	10	116	228	541	625	569	232	140	9	0	2470
1982-83	0	0	1	94	316	495	663	454	324	186	21	2	2556
1983-84	0	0	12	52	269	933	789	401	281	89	11	0	2837
1984-85	0	0	38	66	322	389	837	558	171	37	0	0	2418
1985-86	0	0	19	53	285	696	495	400	164	41	5	0	2158
1986-87	0	0	0	61	376	580	632	387	342	109	0	0	2487
1987-88	0	0	0	55	297	540	703	512	301	70	0	0	2478
1988-89	0	0	0	51	240	487	460	630	294	102	4	0	2268
1989-90	0	0	14	80	251	799	401	306	251	102	19	0	2223
1990-91	0	0	0	100	190	646	681	314	198	37	7	0	2173
1991-92	0	0	12	69	405	456	555	302	182	73	14	0	2068
1992-93	0	0	0	14	366	474	612	445	290	120	4	0	2325
1993-94	0	0	2	145	414	476	594	451	229	83	27	0	2421
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-	0	0	0	38	197	499							

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**COOLING DEGREE DAYS (base 65°F) 2008 DALLAS-FORT WORTH (KDFW)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1979	0	1	9	67	179	489	613	551	366	220	14	0	2509
1980	0	0	11	52	320	668	844	737	485	117	35	10	3279
1981	0	5	5	158	200	467	654	577	352	155	8	0	2581
1982	1	2	77	71	252	433	614	679	403	160	40	10	2742
1983	0	0	7	61	171	382	582	626	381	145	46	0	2401
1984	0	0	20	60	288	531	644	652	376	135	16	12	2734
1985	0	5	51	108	287	460	608	706	408	139	29	0	2801
1986	0	19	24	112	212	480	673	578	464	91	3	0	2656
1987	0	0	6	114	318	442	576	674	370	111	23	0	2634
1988	4	0	28	61	247	467	639	714	433	78	39	1	2711
1989	1	0	45	154	297	393	561	542	314	208	52	0	2567
1990	1	2	30	79	286	575	551	617	457	152	41	2	2793
1991	0	3	42	115	335	484	624	550	324	174	14	5	2670
1992	0	2	4	109	213	437	606	480	386	161	4	13	2415
1993	0	0	19	75	223	507	697	701	406	115	20	4	2767
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

**SNOWFALL (inches) 2008 DALLAS-FORT WORTH (KDFW)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1979-80	0.0	0.0	0.0	0.0	0.0	T	0.0	1.6	0.0	0.0	0.0	0.0	1.6
1980-81	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	0.8	T	0.0	0.0	0.0	0.0	0.8
1982-83	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	0.0	T
1983-84	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	3.4	1.7	0.0	0.0	0.0	0.0	5.1
1985-86	0.0	0.0	0.0	0.0	0.0	T	0.0	0.8	0.0	0.0	0.0	0.0	0.8
1986-87	0.0	0.0	0.0	0.0	0.0	1.7	T	T	0.5	0.0	0.0	0.0	2.2
1987-88	0.0	0.0	0.0	0.0	0.0	T	0.8	2.7	0.0	0.0	0.0	0.0	3.5
1988-89	0.0	0.0	0.0	0.0	0.0	T	T	0.7	1.1	0.0	T	0.0	1.8
1989-90	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T	T	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1993-94	0.0	0.0	0.0	T	0.3	T	T	0.1	T	T	T	0.0	0.4
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T	T	0.0	T
1995-96	0.0	0.0	0.0	0.0	T	0.0							
1996-97					T	T							
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03							1.2	3.5	0.3	T			
2003-04								2.6					
2004-05						0.3							
2005-06						T	0.0	0.0	0.0	0.0	0.0	0.0	
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-	T	0.0	0.0	0.0	0.0	T							
POR= 64 YRS	T	0.0	0.0	T	0.1	0.2	1.2	0.7	0.2	T	T	T	2.4

WBAN : 03927

**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> <p><b>NOTE:</b> The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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# 2008

## DALLAS - FORT WORTH

### TEXAS (KDFW)

The Dallas-Fort Worth Metroplex is located in North Central Texas, approximately 250 miles north of the Gulf of Mexico. It is near the headwaters of the Trinity River, which lie in the upper margins of the Coastal Plain. The rolling hills in the area range from 500 to 800 feet in elevation.

The Dallas-Fort Worth climate is humid subtropical with hot summers. It is also continental, characterized by a wide annual temperature range. Precipitation also varies considerably, ranging from less than 20 to more than 50 inches.

Winters are mild, but northers occur about three times each month, and often are accompanied by sudden drops in temperature. Periods of extreme cold that occasionally occur are short-lived, so that even in January mild weather occurs frequently.

The highest temperatures of summer are associated with fair skies, westerly winds and low humidities. Characteristically, hot spells in summer are broken into three-to-five day periods by thunderstorm activity. There are only a few nights each summer when the low temperature exceeds 80 degrees. Summer daytime temperatures frequently exceed 100 degrees. Air conditioners are recommended for maximum comfort indoors and while traveling via automobile.

Throughout the year, rainfall occurs more frequently during the night. Usually, periods of rainy weather last for only a day or two, and are followed by several days with fair skies. A large part of the annual precipitation results from thunderstorm activity, with occasional heavy rainfall over brief periods of time. Thunderstorms occur throughout the year, but are most frequent in the spring. Hail falls on about two or three days a year, ordinarily with only slight and scattered damage. Windstorms occurring during thunderstorm activity are sometimes destructive. Snowfall is rare.

The average length of the warm season (freeze-free period) in the Dallas-Fort Worth Metroplex is about 249 days. The average last occurrence of 32 degrees or below is mid March and the average first occurrence of 32 degrees or below is in late November.

# Station Location

DALLAS-FORT WORTH

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude		Longitude		ELEVATION ABOVE								REMARKS
				NORTH	WEST	GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	
*NOTE:																
AIRPORT																
Delta Hangar Dallas-Fort Worth Regional Airport	8/14/74	12/01/95	4.5 mi. NNE	32° 54'	97° 02'	551	n2	NA	NA	NA q5	4	NA p4	u4	5 r5	NA	n. Installed 1/13/74. p. Installed 9/18/74. q. Installed 1/1/79. r. Type change H062 to H063, 8/8/80; to H083, 3/4/86; to ASOS 7/21/95. u. moved to East Tower 8/31/98
Regional Airport	12/01/95	Present	NA	32° 54'	97° 02'	v559									S	ASOS Commissioned 12/01/95 v. Ground elevation.

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\* NOTES For earlier station history see previous editions.