

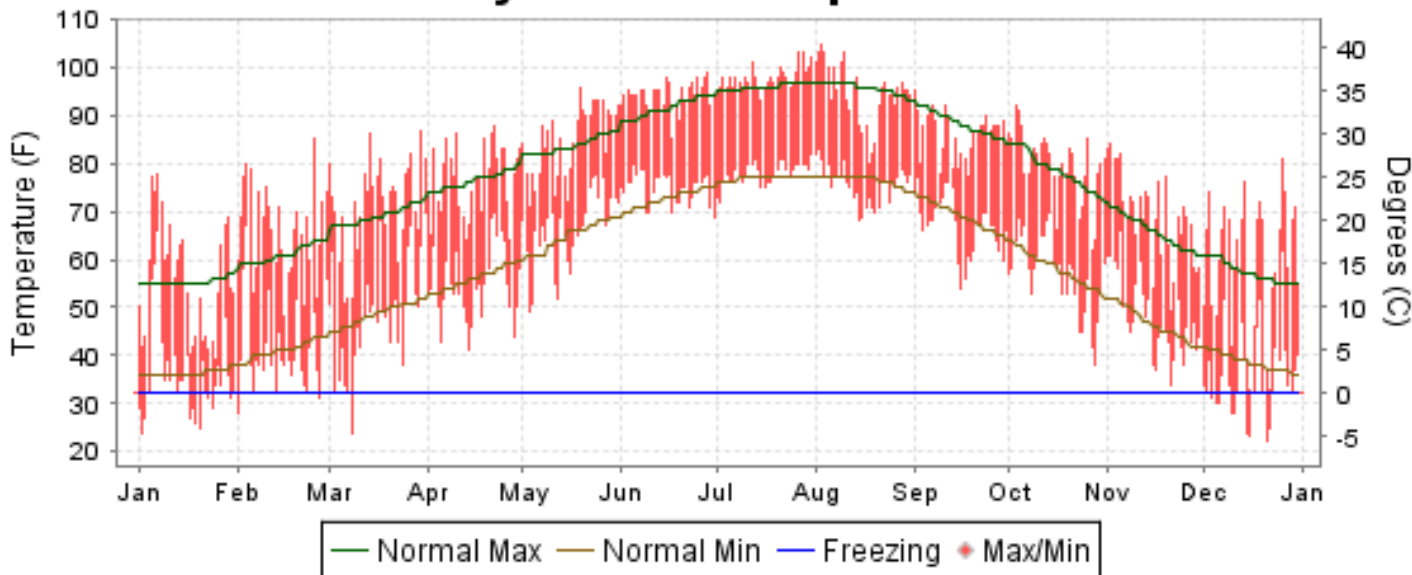


# 2008 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

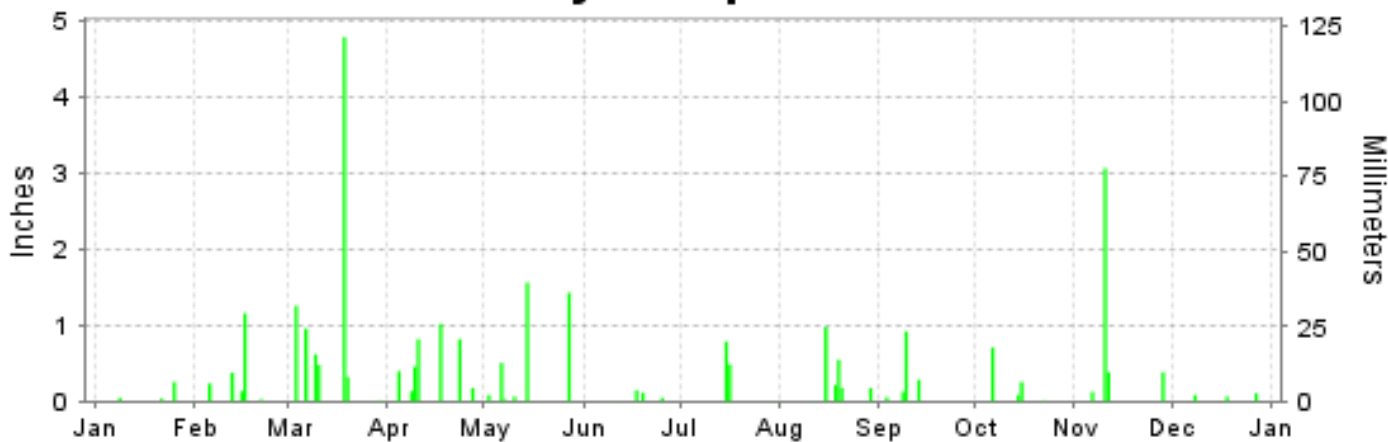
ISSN 1528-7408

## DALLAS, TEXAS (KDAL)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2008

## DALLAS (KDAL)

LATITUDE: 32 ° 50'N      LONGITUDE: -96 ° 51'W      ELEVATION (FT): GRND: 475    BARO: 512      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13960

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	55.7	65.9	71.3	76.8	84.8	94.2	97.9	94.6	86.3	79.5	68.9	59.4	77.9	
	HIGHEST DAILY MAXIMUM	78	85	87	88	96	99	103	105	95	92	84	81	105	
	DATE OF OCCURRENCE	07	25	30	22	19	28	28+	03	01	03	02	26	AUG 03	
	MEAN DAILY MINIMUM	36.1	41.2	48.4	54.8	66.2	75.0	78.1	75.7	67.1	56.9	48.1	35.8	57.0	
	LOWEST DAILY MINIMUM	24	28	24	41	49	69	72	68	54	38	34	22	22	
	DATE OF OCCURRENCE	02	01	08	14	03	30	02	15	16	28	21	21	DEC 21	
	AVERAGE DRY BULB	45.9	53.6	59.9	65.8	75.5	84.6	88.0	85.2	76.7	68.2	58.5	47.6	67.5	
	MEAN WET BULB	39.7	45.2	51.2	57.1	65.6	72.3	72.6	73.7	67.4	58.5	50.3	41.5	57.9	
	MEAN DEW POINT	30.2	35.9	43.1	49.2	59.3	66.4	64.9	68.7	62.0	50.7	41.6	32.1	50.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	12	28	31	25	8	2	0	0	106	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 32°	12	4	1	0	0	0	0	0	0	0	0	12	29	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	593	341	205	71	6	0	0	0	0	49	225	539	2029	
	COOLING DEGREE DAYS	11	14	54	101	338	595	720	633	355	156	37	7	3021	
RH	MEAN (PERCENT)	58	57	59	58	60	57	49	63	64	58	58	59	58	
	HOUR 00 LST	62	63	62	62	67	64	53	69	72	65	65	64	64	
	HOUR 06 LST	72	73	72	75	73	76	69	82	84	77	75	71	75	
	HOUR 12 LST	49	49	54	49	55	48	41	53	51	47	48	51	50	
	HOUR 18 LST	46	43	47	45	47	42	35	47	47	44	45	48	45	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	1	0	0	0	0	0	0	0	0	2	4	
	THUNDERSTORMS	0	4	3	7	6	7	4	5	0	2	4	3	45	
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.)	29.65	29.49	29.46	29.43	29.33	29.40	29.43	29.38	29.48	29.60	29.57	29.59	29.48	
	MEAN SEA-LEVEL PRESS. (IN.)	30.18	30.01	29.97	29.94	29.84	29.90	29.93	29.88	29.99	30.11	30.09	30.11	30.00	
WINDS	RESULTANT SPEED (MPH)	2.8	2.3	3.3	4.7	6.0	10.3	7.0	4.4	3.2	4.2	1.7	1.1	3.8	
	RES. DIR. (TENS OF DEGS.)	17	19	16	17	16	17	17	13	06	14	16	16	16	
	MEAN SPEED (MPH)	10.0	10.8	12.2	12.3	11.4	13.0	9.4	8.0	7.7	8.9	8.6	10.6	10.2	
	PREVAIL.DIR.(TENS OF DEGS.)	16	17	18	17	16	17	18	13	11	13	17	17	17	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	41	38	35	44	29	37	26	43	29	33	36	33	44	
	DIR. (TENS OF DEGS.)	31	31	02	01	34	34	14	33	31	32	32	30	01	
	DATE OF OCCURRENCE	29	05	18	23	03	17	04	29	03	22	30	27	APR 23	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	52	46	43	58	40	56	31	64	37	38	43	40	64	
DIR. (TENS OF DEGS.)	31	31	02	27	18	34	14	34	33	32	32	18	34		
DATE OF OCCURRENCE	29	05	18	10	01	17	04	29	02	22	30	26	AUG 29		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.37	1.95	8.45	3.85	3.71	0.33	1.29	2.12	1.41	1.08	3.97	0.29	28.82	
	GREATEST 24-HOUR (IN.)	0.26	1.30	5.10	1.02	1.56	0.15	1.28	0.98	1.05	0.71	3.32	0.11	5.10	
	DATE OF OCCURRENCE	25	15-16	18-19	17	14	17	15-16	15	08-09	06	10-11	27	MAR 18-19	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	5	5	8	8	8	4	3	6	5	4	4	5	65	
PRECIPITATION 0.10	1	4	6	7	3	2	2	5	3	2	4	1	40		
PRECIPITATION 1.00	0	1	2	1	2	0	0	0	0	0	1	0	7		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	T	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4	
	GREATEST 24-HOUR (IN.)	T	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4	
	DATE OF OCCURRENCE	18+		03									16+	MAR 03	
	MAXIMUM SNOW DEPTH (IN.)	0	0	T	0	0	0	0	0	0	0	0	T	T	
	DATE OF OCCURRENCE			07									16+	DEC 16+	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

# NORMALS, MEANS, AND EXTREMES DALLAS (KDAL)

LATITUDE:  
32 ° 50'N

LONGITUDE:  
-96 ° 51'W

ELEVATION (FT):  
GRND: 475 BARO: 512

TIME ZONE:  
CENTRAL (UTC -6)

WBAN: 13960

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	55.4	61.0	69.1	76.5	83.8	91.6	96.1	95.8	88.5	78.6	66.0	57.4	76.7	
	MEAN DAILY MAXIMUM	27	58.1	56.2	69.4	75.3	84.2	89.7	95.4	96.5	88.7	79.7	67.4	57.6	76.5	
	HIGHEST DAILY MAXIMUM	9	83	85	90	100	100	101	107	109	110	93	88	88	110	
	YEAR OF OCCURRENCE		2006	2008	2006	2006	2003	2005	2006	2003	2000	2006	2005	2005	2005	SEP 2000
	MEAN OF EXTREME MAXS.	27	76.3	79.3	83.6	89.1	95.1	96.2	101.9	104.0	97.9	92.0	83.4	77.7	89.7	
	NORMAL DAILY MINIMUM	30	36.4	41.0	48.5	56.1	64.9	72.7	76.8	76.4	69.2	58.2	46.8	38.6	57.1	
	MEAN DAILY MINIMUM	27	35.0	34.1	45.6	52.6	62.4	68.4	73.4	73.6	65.3	54.7	44.2	35.3	53.7	
	LOWEST DAILY MINIMUM	9	19	18	17	35	46	61	68	63	49	38	28	16	16	
	YEAR OF OCCURRENCE		2002	2007	2002	2003	2004	2004	2004	2004	2000	2008	2006	2005	2005	DEC 2005
	MEAN OF EXTREME MINS.	27	23.8	25.1	31.3	41.4	52.9	63.4	70.7	69.7	56.7	42.3	31.8	23.6	44.4	
	NORMAL DRY BULB	30	45.9	51.0	58.8	66.3	74.4	82.2	86.5	86.1	78.9	68.4	56.4	48.0	66.9	
	MEAN DRY BULB	27	46.6	45.2	57.5	63.9	73.4	79.3	84.4	85.1	77.0	67.3	55.8	46.5	65.2	
	MEAN WET BULB	9	39.0	41.8	49.4	57.4	65.3	70.3	72.2	72.2	66.4	58.2	49.2	40.3	56.8	
	MEAN DEW POINT	9	37.9	40.8	47.4	55.5	63.9	69.2	70.4	69.7	63.7	56.2	47.1	37.3	54.9	
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.1	0.3	1.1	6.9	20.5	27.8	26.9	15.9	3.3	0.0	0.0	102.8	
	MAXIMUM <= 32	30	1.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.2	
MINIMUM <= 32	30	11.6	6.3	1.8	*	0.0	0.0	0.0	0.0	0.0	0.1	2.2	8.2	30.2		
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	605	415	238	75	9	0	0	0	7	62	281	527	2219	
	NORMAL COOLING DEG. DAYS	30	2	9	39	110	290	511	659	646	417	162	28	5	2878	
RH	NORMAL (PERCENT)	30														
	hour 00 LST	30														
	hour 06 LST	30														
	hour 12 LST	30														
	hour 18 LST	30														
S	PERCENT POSSIBLE SUNSHINE															
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	9	0.3	0.6	0.2	0.2	0.1	0.0	0.0	0.0	0.2	0.4	0.5	0.8	3.3	
	THUNDERSTORMS	9	1.3	2.4	3.9	4.7	7.6	7.7	4.4	4.8	2.7	4.0	1.7	2.0	47.2	
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)															
	MIDNIGHT-MIDNIGHT (OKTAS)															
	MEAN NO. DAYS WITH: CLEAR															
	PARTLY CLOUDY CLOUDY															
PR	MEAN STATION PRESSURE(IN)	9	29.63	29.58	29.49	29.44	29.40	29.41	29.45	29.44	29.46	29.52	29.57	29.60	29.50	
	MEAN SEA-LEVEL PRES. (IN)	9	30.16	30.10	30.01	29.95	29.91	29.92	29.96	29.94	29.97	30.03	30.09	30.13	30.01	
WINDS	MEAN SPEED (MPH)	9	9.1	9.9	10.6	11.4	10.9	10.2	8.9	8.2	8.1	8.6	8.9	9.3	9.5	
	PREVAIL.DIR(TENS OF DEGS)	3	17	17	17	17	16	17	18	17	13	17	17	17	17	
	MAXIMUM 2-MINUTE: SPEED (MPH)	9	41	39	38	44	41	58	40	43	46	36	52	36	58	
	DIR. (TENS OF DEGS)		31	18	13	01	03	36	11	33	01	14	19	31	36	
	YEAR OF OCCURRENCE		2008	2004	2007	2008	2007	2004	2003	2008	2005	2000	2004	2002	JUN 2004	
	MAXIMUM 3-SECOND SPEED (MPH)	9	52	48	47	58	49	74	47	64	54	44	76	47	76	
	DIR. (TENS OF DEGS)		31	25	29	27	03	01	17	34	01	30	18	31	18	
YEAR OF OCCURRENCE		2008	2007	2000	2008	2007	2004	2006	2008	2005	2005	2004	2003	NOV 2004		
PRECIPITATION	NORMAL (IN)	30	1.89	2.31	3.13	3.46	5.30	3.92	2.43	2.17	2.65	4.65	2.61	2.53	37.05	
	MAXIMUM MONTHLY (IN)	9	5.03	6.80	8.45	3.85	6.60	9.71	4.13	3.11	6.62	7.33	7.01	5.11	9.71	
	YEAR OF OCCURRENCE		2007	2001	2008	2008	2007	2007	2004	2007	2007	2002	2000	2002	JUN 2007	
	MINIMUM MONTHLY (IN)	9	0.37	0.51	2.86	1.54	2.48	0.33	T	.82	1.13	1.08	.06	0.29	T	
	YEAR OF OCCURRENCE		2008	2007	2005	2007	2004	2008	2005	2005	2008	2005	2008	2005	JUL 2005	
	MAXIMUM IN 24 HOURS (IN)	9	3.35	3.93	6.90	1.88	2.82	3.32	T	T	5.10	4.77	3.32	3.36	6.90	
	YEAR OF OCCURRENCE		2004	2006	2006	2002	2006	2000	2002	2000	2007	2002	2008	2001	MAR 2006	
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	7.2	6.1	7.4	7.2	9.3	7.2	4.7	4.6	5.8	7.1	6.6	6.4	79.6	
PRECIPITATION >= 1.00	30	0.3	0.8	0.9	1.1	2.0	1.5	0.7	0.6	0.8	1.6	0.7	0.8	11.8		
SNOWFALL	NORMAL (IN)	30	0.8	0.6	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.8	
	MAXIMUM MONTHLY (IN)	5	0.7	3.6	0.4	T	T	0.0	T	T	0.0	0.0	0.2	0.7	3.6	
	YEAR OF OCCURRENCE		2007	2004	2008	2007	2007						2006	2004	FEB 2004	
	MAXIMUM IN 24 HOURS (IN)	5	0.5	3.6	T	T	T	0.0	0.0	0.0	0.0	0.0	0.2	0.7	3.6	
	YEAR OF OCCURRENCE		2007	2004	2007	2007	2007						2006	2004	FEB 2004	
	MAXIMUM SNOW DEPTH (IN)	5	T	2	T	0	0	0	0	0	0	0	0	T	2	
	YEAR OF OCCURRENCE		2007	2004	2008									2006	FEB 2004	
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7		

**PRECIPITATION (inches) 2008 DALLAS (KDAL)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1999			2.76	2.15	6.98	1.61	1.50	T	1.26	2.57	1.55	4.45	
2000	1.82	1.72	3.55	3.13	2.90	9.71	T	0.00	0.03	5.64	7.01	3.52	39.03
2001	2.16	6.80	4.53	1.29	2.63	1.63	1.84	2.64	3.31	3.07	1.06	4.34	35.30
2002	3.95	0.96	5.18	3.09	5.22	1.46	2.15	1.30	0.65	7.33	0.53	5.11	36.93
2003	0.19	2.81	0.79	1.90	2.23	2.19	0.09	1.39	5.01	0.89	2.90	1.19	21.58
2004	3.65	4.82	1.16	3.48	2.01	7.28	4.13	2.17	1.04	6.04	5.93	1.00	42.71
2005	4.93	1.52	1.82	0.27	3.24	0.57	1.51	1.68	1.13	1.44	0.06	0.40	18.57
2006	2.30	4.35	8.17	1.66	3.33	0.63	0.76	1.63	3.82	5.51	2.27	3.93	38.36
2007	5.03	0.51	5.08	1.54	6.60	9.71	2.37	3.11	6.62	4.77	1.53	1.96	48.83
2008	0.37	1.95	8.45	3.85	3.71	0.33	1.29	2.12	1.41	1.08	3.97	0.29	28.82
POR= 27 YRS	2.03	2.44	3.44	3.30	3.99	3.72	2.60	2.41	2.45	3.00	2.72	2.65	34.75

WBAN : 13960

**AVERAGE TEMPERATURE (°F) 2008 DALLAS (KDAL)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1999								89.9	79.2	69.2	62.6	51.1	
2000	50.5	57.5	60.6	64.9	77.1	80.3	87.8	90.5	81.1	70.7	50.9	40.7	67.7
2001	44.0	51.6	53.1	68.9	75.8	81.8	88.5	86.3	75.6	65.8	60.6	50.5	66.9
2002	48.3	47.6	55.8	69.6	73.3	81.4	84.8	85.9	80.7	65.4	54.7	48.7	66.4
2003	45.1	46.8	57.4	67.7	76.9	80.1	87.1	87.4	75.3	70.1	59.9	50.2	67.0
2004	49.3	46.6	62.9	67.4	75.4	79.8	84.3	82.3	79.1	72.5	57.4	49.5	67.2
2005	50.7	53.8	57.9	66.4	74.5	84.9	85.7	87.6	84.7	69.6	61.4	48.7	68.8
2006	55.8	50.2	62.7	72.7	77.4	84.2	88.5	90.3	78.3	68.3	58.2	50.8	69.8
2007	42.7	49.9	64.4	63.0	74.3	80.3	82.6	86.6	80.4	70.6	60.4	48.9	67.0
2008	45.9	53.6	59.9	65.8	75.5	84.6	88.0	85.2	76.7	68.2	58.5	47.6	67.5
POR= 27 YRS	46.6	45.2	57.5	63.9	73.4	79.3	84.4	85.1	77.0	67.3	55.8	46.5	65.2

**HEATING DEGREE DAYS (base 65°F) 2008 DALLAS (KDAL)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1998-99									270	44	2	0	
1999-00	0	0	0	47	122	430	447	233	170	82	0	0	1531
2000-01	0	0	10	59	425	745	645	378	364	35	0	0	2661
2001-02	0	0	1	70	178	461	518	482	310	48	6	0	2074
2002-03	0	0	0	89	315	498	610	506	249	45	0	0	2312
2003-04	0	0	0	18	212	451	489	529	111	48	15	0	1873
2004-05	0	0	0	5	223	478	452	330	232	36	20	0	1776
2005-06	0	0	0	56	184	506	281	412	160	7	0	0	1606
2006-07	0	0	0	60	224	446	683	424	99	131	0	0	2067
2007-08	0	0	0	50	205	498	593	341	205	71	6	0	1969
2008-	0	0	0	49	225	539							

WBAN : 13960

**COOLING DEGREE DAYS (base 65°F) 2008 DALLAS (KDAL)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1999			4	146	274	507	643	778	431	186	57	9	
2000	4	23	39	87	383	464	711	797	499	242	8	0	3257
2001	0	8	1	159	341	508	736	665	330	99	52	16	2915
2002	7	1	28	190	275	496	624	653	476	113	11	0	2874
2003	0	3	21	133	378	459	693	703	315	182	68	0	2955
2004	10	0	52	128	344	450	604	545	431	248	5	4	2821
2005	14	21	18	85	321	606	650	706	597	205	82	7	3312
2006	7	6	98	246	391	584	738	793	406	168	25	17	3479
2007	0	7	88	78	295	467	552	678	468	231	72	5	2941
2008	11	14	54	101	338	595	720	633	355	156	37	7	3021

**SNOWFALL (inches) 2008 DALLAS (KDAL)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2003-04							0.0	3.6	0.0	0.0	0.0	0.0	
2004-05	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
2005-06	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
2006-07	0.0	0.0	0.0	0.0	0.2	0.0	0.7	T	T	T	T	0.0	0.9
2007-08	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.4	0.0	0.0	0.0	0.4
2008-	0.0	0.0	0.0	0.0	0.0	T							
POR= 20 YRS	0.0	0.0	0.0	0.0	0.1	0.5	0.8	1.0	0.1	T	T	0.0	2.5

WBAN : 13960

**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  
TEXAS (KDAL)**

No Narrative.

# Station Location

DALLAS

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude		Longitude		ELEVATION ABOVE								REMARKS			
				NORTH	WEST	SEA LEVEL	GROUND							AUTOMATIC OBSERVING EQUIPMENT *					
							GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE		8 INCH RAIN GAUGE		HYGROTHERMOMETER		
Dallas Love Field	11/19/97	Present	NA	32° 50'	96° 51'	a509												S	ASOS Commissioned 11/19/97. a. Ground elevation.

\* TYPE  
M = AMOS  
T = AUTOB  
S = ASOS  
W = AWOS

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