

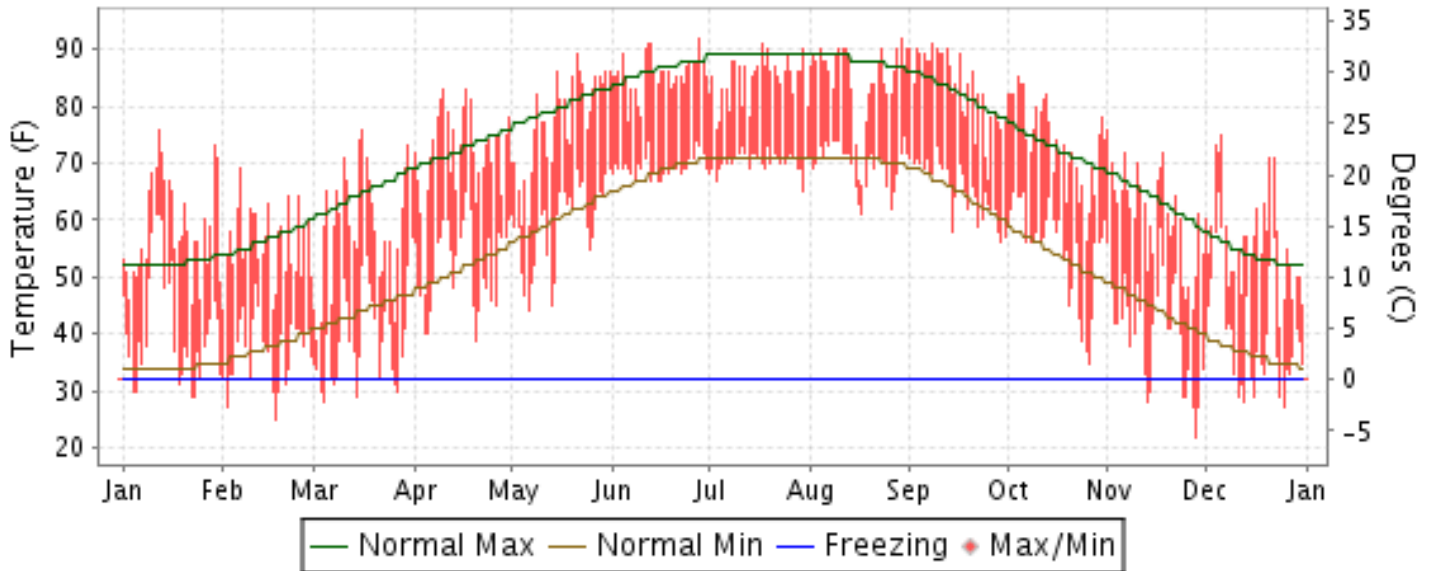


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

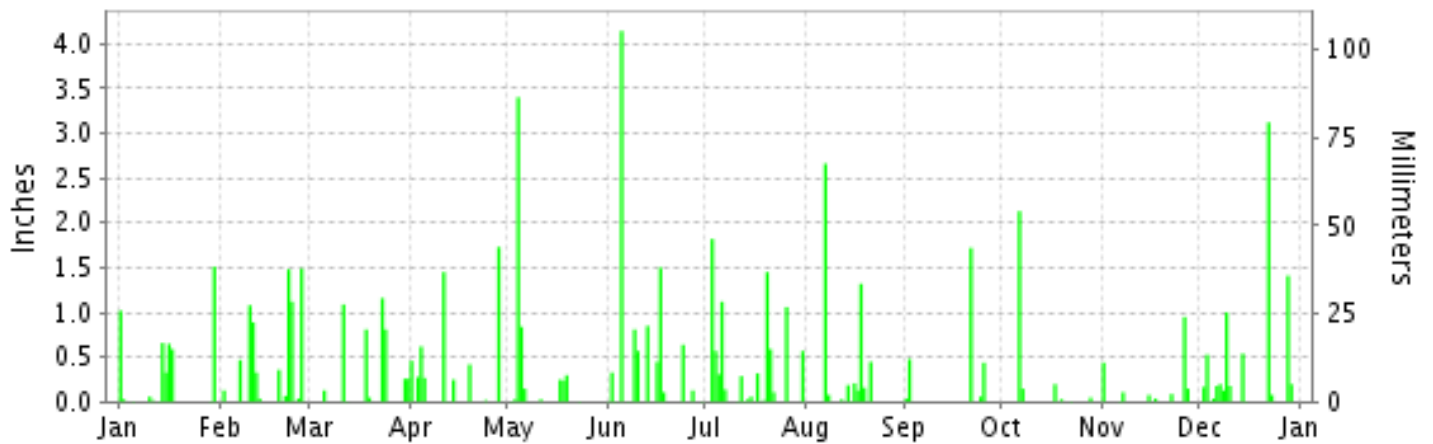
ISSN 0198-1560

ATLANTA, GEORGIA (KATL)

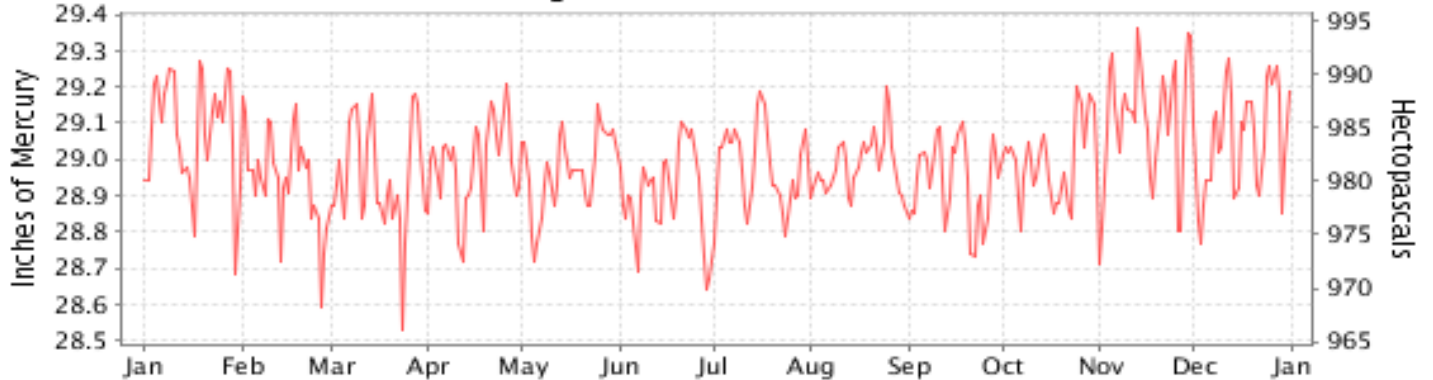
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

ATLANTA (KATL)

LATITUDE: 33° 37'N LONGITUDE: 84° 26'W ELEVATION (FT): GRND: 1010 BARO: 974 TIME ZONE: EASTERN (UTC -5) WBAN: 13874

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	58.6	56.0	58.9	72.0	77.2	85.6	84.7	85.0	83.3	73.8	60.7	56.5	71.0	
	HIGHEST DAILY MAXIMUM	76	69	76	83	89	92	91	92	91	85	76	75	92	
	DATE OF OCCURRENCE	12	06	16	17+	21	28	17	29	08	04	01	06	AUG 29	
	MEAN DAILY MINIMUM	41.3	37.2	39.4	52.1	59.1	69.4	70.3	70.0	65.5	54.9	40.4	39.8	53.3	
	LOWEST DAILY MINIMUM	29	25	28	39	44	67	65	61	56	35	22	27	22	
	DATE OF OCCURRENCE	23+	17	04	20	06	16+	30	17	29	26	28	25	NOV 28	
	AVERAGE DRY BULB	49.9	46.6	49.1	62.1	68.1	77.5	77.5	77.5	74.4	64.4	50.6	48.1	62.2	
	MEAN WET BULB	44.9	40.3	41.5	54.3	60.5	70.5	71.6	71.2	66.6	57.8	43.9	43.6	55.6	
	MEAN DEW POINT	38.5	32.0	31.7	47.5	55.0	67.5	69.4	68.7	62.7	53.1	35.4	38.2	50.0	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	4	3	8	5	0	0	0	0	20
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM <= 32°	6	7	9	0	0	0	0	0	0	0	7	7	36		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	466	510	485	127	51	0	0	1	0	97	429	523	2689	
	COOLING DEGREE DAYS	5	0	0	47	156	383	396	395	289	83	1	7	1762	
RH	MEAN (PERCENT)	68	63	55	62	66	75	81	78	71	70	61	72	69	
	HOUR 01 LST	74	70	63	71	76	87	90	89	82	82	71	77	78	
	HOUR 07 LST	78	75	66	73	75	83	88	87	81	80	74	81	78	
	HOUR 13 LST	58	51	43	50	51	61	66	64	54	52	46	61	55	
	HOUR 19 LST	65	57	51	58	61	73	80	77	67	69	55	70	65	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	1	2	1	0	0	2	0	1	0	2	1	10	
	THUNDERSTORMS	1	3	4	2	3	11	12	7	1	1	0	1	46	
PR	MEAN STATION PRESS. (IN.)	29.08	28.94	28.95	28.99	28.97	28.91	28.98	28.98	28.94	28.99	29.11	29.06	28.99	
	MEAN SEA-LEVEL PRESS. (IN.)	30.19	30.04	30.06	30.08	30.05	29.97	30.05	30.06	30.02	30.08	30.22	30.17	30.08	
WINDS	RESULTANT SPEED (MPH)	1.6	2.9	5.4	1.8	0.7	2.2	1.0	1.3	2.5	1.2	3.6	1.6	0.9	
	RES. DIR. (TENS OF DEGS.)	30	33	30	11	19	22	18	05	07	35	02	32	34	
	MEAN SPEED (MPH)	8.3	9.1	10.5	8.7	8.0	6.9	6.2	6.5	6.8	5.7	8.9	7.8	7.8	
	PREVAIL.DIR.(TENS OF DEGS.)	32	32	32	15	09	27	09	09	09	31	09	32	09	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	32	33	37	28	26	43	33	24	22	25	32	29	43	
	DIR. (TENS OF DEGS.)	28	12	30	08	34	02	02	09	09	30	32	30	02	
	DATE OF OCCURRENCE	30	25	05	04	24	13	20	15	17	23	27	06	JUN 13	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	43	43	51	38	33	54	43	33	28	35	43	40	54	
DIR. (TENS OF DEGS.)	26	12	30	11	33	02	03	36	10	30	33	29	02		
DATE OF OCCURRENCE	30	25	18	04	24	13	20	12	17	23	27	06	JUN 13		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.90	7.50	4.58	5.51	5.26	9.57	8.48	5.24	2.74	2.57	1.87	7.80	66.02	
	GREATEST 24-HOUR (IN.)	1.51	1.76	1.92	1.73	3.81	4.14	2.02	2.66	1.72	2.28	0.98	3.19	4.14	
	DATE OF OCCURRENCE	30	10-11	23-24	28	04-05	05	03-04	07	21	06-07	26-27	22-23	JUN 05	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	12	12	9	10	10	14	17	10	5	6	8	15	128		
PRECIPITATION 0.10	6	9	7	8	6	10	12	7	3	3	4	11	86		
PRECIPITATION 1.00	2	4	2	2	1	2	4	2	1	1	0	3	24		
SNOWFALL	SNOW,ICE PELLETS,HAIL	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	
	TOTAL (IN.)	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	
	GREATEST 24-HOUR (IN.)			26+								27		NOV 27	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MAXIMUM SNOW DEPTH (IN.)														
DATE OF OCCURRENCE															
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

NORMALS, MEANS, AND EXTREMES ATLANTA (KATL)

LATITUDE: 33° 37'N **LONGITUDE:** 84° 26'W **ELEVATION (FT):** GRND: 1010 BARO: 974 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 13874**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	52.3	56.6	64.6	72.5	79.9	86.4	89.1	88.1	82.2	72.7	63.6	54.0	71.8
	MEAN DAILY MAXIMUM	84	52.4	55.2	63.8	72.3	80.3	86.2	88.8	88.0	82.1	73.0	62.4	54.1	71.6
	HIGHEST DAILY MAXIMUM	65	79	80	89	93	95	106	105	104	98	95	84	79	106
	YEAR OF OCCURRENCE		1949	1996	1995	1986	1996	2012	2012	2007	1954	1954	1961	1991	JUN 2012
	MEAN OF EXTREME MAXS.	84	69.7	72.6	80.0	85.0	89.4	94.4	95.6	94.7	91.5	84.3	77.2	70.8	83.8
	NORMAL DAILY MINIMUM	30	34.3	37.7	44.1	51.5	60.3	68.2	71.3	70.7	64.8	54.0	44.5	36.5	53.2
	MEAN DAILY MINIMUM	84	34.3	35.9	42.9	50.7	59.7	66.7	70.2	69.7	63.8	52.9	42.5	36.1	52.1
	LOWEST DAILY MINIMUM	65	-8	5	10	26	37	46	53	55	36	28	3	0	-8
	YEAR OF OCCURRENCE		1985	1958	1960	1973	1971	1956	1967	1992	1967	1976	1950	1983	JAN 1985
	MEAN OF EXTREME MINS.	84	15.4	19.8	26.4	35.3	46.8	57.3	64.1	63.0	51.4	37.9	27.0	19.5	38.7
	NORMAL DRY BULB	30	43.3	47.2	54.3	62.0	70.1	77.3	80.2	79.4	73.5	63.3	54.0	45.3	62.5
	MEAN DRY BULB	84	43.4	45.6	53.4	61.5	70.0	76.5	79.5	78.8	73.0	63.0	52.5	45.1	61.9
	MEAN WET BULB	30	37.1	39.6	45.5	52.4	60.9	67.6	70.8	70.4	64.7	55.0	46.2	39.5	54.1
	MEAN DEW POINT	30	34.0	36.5	41.9	48.9	58.6	65.9	69.4	68.9	63.0	52.9	43.7	36.6	51.7
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.1	1.1	8.6	13.0	10.6	2.4	0.0	0.0	0.0	35.8
	MAXIMUM <= 32	30	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5
MINIMUM <= 32	30	12.8	7.5	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10.3	36.3	
MINIMUM <= 0	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
H/C	NORMAL HEATING DEG. DAYS	30	673	501	342	143	26	2	0	0	11	118	339	613	2768
	NORMAL COOLING DEG. DAYS	30	0	1	12	53	184	371	471	447	266	67	10	1	1883
RH	NORMAL (PERCENT)	30	69	64	62	60	67	69	73	73	73	69	69	69	68
	HOURLY 01 LST	30	74	69	68	69	77	79	83	84	82	79	76	75	76
	HOURLY 07 LST	30	79	77	77	78	82	83	87	89	87	85	82	80	82
	HOURLY 13 LST	30	60	54	52	48	53	55	58	59	59	54	56	59	56
	HOURLY 19 LST	30	64	56	53	49	57	59	64	65	66	63	64	64	60
S	PERCENT POSSIBLE SUNSHINE	63	49	54	58	66	68	67	62	64	62	66	58	50	60
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISIB <= 1/4 MI)	50	4.3	2.8	2.1	1.1	1.2	0.9	1.0	1.2	1.9	1.9	2.9	3.6	24.9
	THUNDERSTORMS	68	1.3	1.8	3.5	4.0	6.0	8.1	10.3	7.6	2.9	1.1	1.1	0.9	48.6
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)				7.2		2.4	3.2							
	MIDNIGHT-MIDNIGHT (OKTAS)				6.4		3.2								
	MEAN NO. DAYS WITH: CLEAR	1	2.0	1.0	10.0		12.0	9.0							
	PARTLY CLOUDY				1.0		6.0	9.0							
CLOUDY	1	3.0	2.0	11.0		2.0	3.0								
PR	MEAN STATION PRESSURE (IN)	30	29.03	29.00	28.96	28.93	28.93	28.93	28.96	28.95	28.93	29.00	29.02	29.05	28.97
	MEAN SEA-LEVEL PRES. (IN)	30	30.14	30.10	30.06	30.01	30.01	30.00	30.02	30.02	30.03	30.08	30.13	30.15	30.06
WINDS	MEAN SPEED (MPH)	30	9.3	9.6	9.6	9.0	8.2	7.5	7.2	6.9	7.7	7.9	8.4	8.9	8.4
	PREVAIL. DIR. (TENS OF DEGS)	49	32	32	32	31	31	28	28	08	08	08	33	32	32
	MAXIMUM 2-MINUTE: SPEED (MPH)	18	39	48	43	44	46	43	46	48	41	33	39	37	48
	DIR. (TENS OF DEGS)		32	26	32	03	34	02	31	36	09	33	29	25	36
	YEAR OF OCCURRENCE		2005	2001	2003	1996	2003	2013	2001	2008	2004	2012	2004	2004	AUG 2008
	MAXIMUM 3-SECOND SPEED (MPH)	18	48	70	55	52	58	55	61	71	55	45	46	46	71
	DIR. (TENS OF DEGS)		32	26	26	15	35	17	31	01	07	33	32	26	01
	YEAR OF OCCURRENCE		2005	2001	2011	2009	2003	2012	2001	2008	2004	2012	2005	2004	AUG 2008
PRECIPITATION	NORMAL (IN)	30	4.20	4.67	4.81	3.36	3.67	3.95	5.27	3.90	4.47	3.41	4.10	3.90	49.71
	MAXIMUM MONTHLY (IN)	79	10.82	12.77	11.66	11.86	9.94	9.99	17.71	8.69	13.65	11.04	15.72	9.92	17.71
	YEAR OF OCCURRENCE		1936	1961	1980	1979	2003	1991	1994	1967	2004	1995	1948	1961	JUL 1994
	MINIMUM MONTHLY (IN)	79	0.84	0.77	1.04	0.49	0.32	0.16	0.57	0.50	0.04	T	0.41	0.69	0.04
	YEAR OF OCCURRENCE		1981	1978	2004	1986	1936	1988	1995	1976	1984	1963	1939	1979	SEP 1984
	MAXIMUM IN 24 HOURS (IN)	79	3.91	5.67	5.74	5.58	5.13	4.22	6.73	5.05	5.87	7.27	4.46	3.85	7.27
	YEAR OF OCCURRENCE		1973	1961	1990	1979	1948	1991	2005	1940	1992	1995	2009	1961	OCT 1995
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	10.9	9.8	9.7	8.6	9.3	9.9	11.7	9.7	7.5	6.9	8.8	10.5	113.3
	PRECIPITATION >= 1.00	30	1.1	1.4	1.6	0.8	0.8	1.0	1.6	1.3	1.4	1.1	1.4	1.1	14.6
SNOWFALL	NORMAL (IN)	30	1.3	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.9
	MAXIMUM MONTHLY (IN)	74	8.3	4.4	7.9	T	0.0	T	T	0.0	0.0	T	1.0	3.0	8.3
	YEAR OF OCCURRENCE		1940	1979	1983	2009		2012	2001			1993	1968	2000	JAN 1940
	MAXIMUM IN 24 HOURS (IN)	74	8.3	4.2	7.9	T	0.0	T	T	0.0	0.0	T	1.0	2.8	8.3
	YEAR OF OCCURRENCE		1940	1979	1983	2009		2012	2001			1993	1968	1993	JAN 1940
	MAXIMUM SNOW DEPTH (IN)	63	9	4	4	0	0	0	0	0	0	0	1	2	9
	YEAR OF OCCURRENCE		1948	1979	1993								1975	2000	JAN 1948
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.5	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	

PRECIPITATION (inches) 2013 ATLANTA (KATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	4.66	5.97	5.83	6.62	6.57	0.74	11.21	6.46	0.04	1.54	2.10	3.65	55.39
1985	4.11	4.98	1.86	2.75	4.69	2.04	9.92	4.57	2.63	5.74	4.23	2.28	49.80
1986	0.88	2.46	4.13	0.49	2.95	2.18	3.27	6.08	3.68	5.15	6.20	3.03	40.50
1987	5.63	6.13	5.44	1.16	2.74	6.36	7.35	1.22	3.02	0.70	2.36	4.13	46.24
1988	4.64	3.32	2.57	6.06	1.71	0.16	5.04	4.92	6.35	5.00	4.87	1.21	45.85
1989	2.57	4.30	3.85	5.24	6.42	9.34	7.65	2.13	11.64	1.71	3.97	4.49	63.31
1990	8.47	9.75	8.36	2.76	5.26	1.39	3.49	4.64	3.01	6.12	1.27	3.04	57.56
1991	4.66	3.10	6.98	5.28	7.35	9.99	5.82	4.37	2.03	0.39	3.19	2.69	55.85
1992	3.58	3.94	3.81	1.03	1.73	4.14	9.03	5.04	8.55	2.84	10.04	6.38	60.11
1993	3.94	4.43	5.73	2.77	4.87	6.01	3.05	2.96	3.91	3.83	4.01	2.54	48.05
1994	5.11	3.76	5.77	3.68	2.16	2.44	17.71	4.16	5.86	4.51	3.27	1.59	60.02
1995	3.36	6.74	2.66	3.00	2.12	3.97	0.57	5.82	2.52	11.04	7.40	3.57	52.77
1996	8.26	3.82	6.42	2.91	2.12	1.70	2.14	4.66	4.32	0.89	3.22	4.14	44.60
1997	5.65	7.93	2.18	4.28	3.36	3.91	4.71	1.32	4.83	5.12	3.34	5.05	51.68
1998	5.83	7.10	6.25	5.12	1.23	3.58	2.93	5.54	4.45	0.26	1.97	1.90	46.16
1999	5.33	1.97	3.32	1.14	4.42	5.83	3.43	1.26	4.19	2.41	3.34	2.21	38.85
2000	4.89	1.26	3.63	2.63	1.86	1.11	2.70	4.03	4.93	0.88	5.02	2.62	35.56
2001	2.77	3.61	9.08	3.29	3.31	6.69	2.54	1.03	2.19	0.79	0.87	2.22	38.39
2002	5.35	2.54	5.49	1.83	3.52	2.81	2.59	0.77	6.39	5.94	5.36	5.23	47.82
2003	2.00	3.51	7.08	3.44	9.94	7.34	5.35	3.48	2.42	1.49	4.17	2.69	52.91
2004	2.84	4.60	1.04	2.80	2.58	5.99	2.20	3.63	13.65	2.19	7.26	4.82	53.60
2005	2.57	5.58	7.49	4.36	1.98	2.91	14.63	8.28	0.07	1.98	2.91	3.67	56.43
2006	5.10	5.50	2.93	2.48	2.86	5.80	1.31	8.66	3.31	3.04	4.39	3.08	48.46
2007	3.95	2.63	1.31	1.79	2.05	3.66	1.85	3.48	2.92	2.47	0.96	4.78	31.85
2008	2.85	4.61	5.17	3.22	2.80	0.58	7.17	3.77	0.75	3.48	2.64	4.39	41.43
2009	2.88	3.70	7.13	5.18	4.54	2.34	5.02	6.14	8.94	8.71	5.75	9.10	69.43
2010	5.38	4.17	4.24	2.56	6.87	5.21	4.37	3.32	1.60	3.33	5.48	1.62	48.15
2011	2.63	4.25	9.06	3.06	2.93	2.20	2.67	1.51	2.30	1.70	2.49	4.43	39.23
2012	5.14	2.23	3.52	2.23	3.41	2.28	3.53	3.89	1.37	1.83	1.67	5.93	37.03
2013	4.90	7.50	4.58	5.51	5.26	9.57	8.48	5.24	2.74	2.57	1.87	7.80	66.02
POR= 84 YRS	4.52	4.50	5.39	4.01	3.73	3.86	4.85	3.71	3.55	2.83	3.58	4.23	48.76

WBAN : 13874

AVERAGE TEMPERATURE (°F) 2013 ATLANTA (KATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	39.6	47.5	51.7	58.1	67.5	78.3	76.8	77.5	71.3	69.8	50.6	53.7	61.9
1985	36.3	44.2	56.8	64.0	69.9	77.5	78.4	77.6	72.5	66.4	62.0	41.4	62.3
1986	43.4	49.8	54.4	62.9	71.0	80.0	84.1	77.4	74.6	64.0	57.9	45.1	63.7
1987	41.9	45.7	53.2	60.3	73.2	77.8	81.0	82.0	74.1	59.7	55.7	48.8	62.8
1988	39.2	45.5	54.9	63.0	70.0	78.6	80.5	81.0	73.4	59.3	55.0	46.6	62.3
1989	49.7	47.5	56.8	62.9	68.8	76.9	79.8	79.4	72.9	64.2	54.3	39.1	62.7
1990	49.8	54.4	57.7	61.9	70.4	78.6	80.6	80.6	75.7	64.4	56.5	49.1	65.0
1991	44.3	49.2	56.2	65.9	72.8	76.7	81.0	79.2	74.8	64.6	51.0	49.1	63.7
1992	45.1	51.8	54.0	61.9	68.1	74.5	80.2	76.1	73.2	61.9	51.5	44.5	61.9
1993	47.0	45.2	51.7	59.4	71.1	79.3	85.4	82.1	76.7	63.3	53.9	45.3	63.4
1994	40.5	50.1	57.4	67.6	69.4	80.5	79.1	79.1	73.9	64.1	58.3	50.4	64.2
1995	46.3	46.4	58.9	65.8	74.4	77.0	84.3	80.7	71.0	62.0	47.7	42.8	63.1
1996	41.1	47.1	50.6	61.2	74.9	79.1	81.8	79.5	73.2	63.4	52.0	48.8	62.7
1997	46.7	51.1	60.6	57.7	64.8	71.5	78.9	76.6	73.3	61.8	47.8	42.9	61.1
1998	46.0	47.0	50.3	59.0	72.7	78.9	80.7	77.8	75.6	65.9	56.7	50.0	63.4
1999	48.0	49.8	50.5	65.1	68.9	74.9	79.2	81.9	73.1	62.5	56.7	47.1	63.1
2000	43.1	50.9	57.3	58.6	72.9	77.9	81.4	79.7	70.8	64.1	51.0	37.2	62.1
2001	41.7	50.8	50.4	63.5	70.0	74.4	78.6	78.8	71.3	60.7	59.8	50.1	62.5
2002	46.9	45.4	54.5	64.8	68.3	76.4	80.4	80.3	76.1	65.4	50.9	43.9	62.8
2003	40.1	46.4	55.7	61.7	69.0	74.4	77.9	79.1	72.1	63.5	57.6	43.3	61.7
2004	42.9	43.7	58.4	62.0	72.9	75.9	79.6	76.8	72.2	67.0	56.4	44.6	62.7
2005	46.9	48.8	52.2	60.4	66.8	75.3	79.4	79.6	76.6	64.5	55.2	41.9	62.3
2006	49.4	44.2	54.2	65.9	69.9	77.2	81.1	81.0	71.9	61.8	53.8	50.1	63.4
2007	46.2	45.3	60.2	60.3	71.6	79.6	78.5	85.6	75.9	66.0	53.2	50.8	64.4
2008	42.3	48.3	54.1	61.3	69.5	79.9	79.9	78.2	74.6	62.0	50.6	48.6	62.4
2009	43.9	47.7	55.0	60.7	70.2	79.8	78.1	78.9	73.5	61.0	53.8	42.3	62.1
2010	38.5	39.7	50.7	65.2	73.4	81.4	82.3	82.8	78.0	65.3	54.6	38.3	62.5
2011	40.2	50.0	55.8	65.3	70.9	81.3	82.4	83.1	73.3	62.2	55.7	50.5	64.2
2012	49.1	51.3	64.5	65.8	73.9	77.5	83.8	79.0	74.3	63.4	52.8	51.1	65.5
2013	49.9	46.6	49.1	62.1	68.1	77.5	77.5	77.5	74.4	64.4	50.6	48.1	62.2
POR= 84 YRS	43.4	45.6	53.4	61.5	70.0	76.5	79.5	78.8	73.0	63.0	52.5	45.1	61.8

HEATING DEGREE DAYS (base 65°F) 2013 ATLANTA (KATL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	0	13	22	426	346	882	576	265	111	14	1	2656
1985-86	0	0	15	71	131	725	663	422	331	133	14	0	2505
1986-87	0	11	2	107	243	609	709	534	359	191	6	0	2771
1987-88	0	0	0	172	279	494	791	559	310	104	6	0	2715
1988-89	0	0	0	188	291	566	468	490	284	160	44	0	2491
1989-90	0	0	29	103	318	797	462	297	250	150	20	0	2426
1990-91	0	0	12	109	252	488	636	437	281	54	8	0	2277
1991-92	0	0	8	76	419	499	611	377	345	161	50	2	2548
1992-93	0	0	12	110	398	627	548	549	417	184	13	0	2858
1993-94	0	0	6	129	346	604	753	412	245	55	20	0	2570
1994-95	0	0	0	79	207	446	573	515	207	59	11	0	2097
1995-96	0	0	25	135	514	680	735	517	437	159	8	0	3210
1996-97	0	0	4	104	389	497	561	385	156	226	63	18	2403
1997-98	0	0	5	159	508	679	580	499	465	175	12	3	3085
1998-99	0	0	0	53	242	463	519	421	443	92	8	0	2241
1999-00	0	0	7	110	246	548	669	401	232	186	0	0	2399
2000-01	0	0	16	86	428	856	715	391	446	108	5	0	3051
2001-02	0	0	26	172	163	452	557	543	340	85	51	0	2389
2002-03	0	0	0	90	422	647	765	516	281	119	9	0	2849
2003-04	0	0	14	80	250	664	679	610	216	133	24	0	2670
2004-05	0	0	1	30	272	626	557	446	395	147	51	3	2528
2005-06	0	0	0	125	305	710	474	577	342	65	34	0	2632
2006-07	0	0	8	167	336	452	577	545	190	172	5	0	2452
2007-08	0	0	0	85	351	441	700	478	332	135	9	0	2531
2008-09	0	0	0	159	428	505	645	477	312	165	16	0	2707
2009-10	0	0	6	152	329	701	813	703	436	61	9	0	3210
2010-11	0	0	0	58	307	822	761	414	295	82	48	0	2787
2011-12	0	0	2	122	284	444	487	392	104	69	3	0	1907
2012-13	0	0	1	97	359	422	466	510	485	127	51	0	2518
2013-	0	1	0	97	429	523							

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COOLING DEGREE DAYS (base 65°F) 2013 ATLANTA (KATL)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	2	21	132	405	372	397	210	178	1	2	1720
1985	0	0	18	88	172	381	423	401	248	119	49	0	1899
1986	0	0	11	74	208	455	599	401	300	83	34	0	2165
1987	0	0	2	60	266	391	502	531	281	12	6	2	2053
1988	0	0	5	49	169	416	490	502	258	18	0	0	1907
1989	0	7	36	101	170	364	467	452	273	85	6	0	1961
1990	0	5	26	66	194	415	490	488	341	98	2	0	2125
1991	0	0	20	89	258	358	502	446	305	70	4	13	2065
1992	0	1	13	73	155	292	478	349	265	20	0	0	1646
1993	0	0	11	22	208	435	639	536	364	80	19	0	2314
1994	0	2	19	141	167	470	445	447	274	60	13	0	2038
1995	0	0	23	91	311	368	608	494	211	47	2	0	2155
1996	0	8	2	54	322	429	527	456	255	64	7	2	2126
1997	3	3	28	13	62	221	438	366	264	68	0	0	1466
1998	0	0	16	4	257	426	494	407	323	88	3	5	2023
1999	0	0	0	103	136	305	446	531	256	39	1	0	1817
2000	0	0	3	4	253	396	515	464	196	64	16	0	1911
2001	0	0	0	69	166	288	429	435	224	45	13	0	1669
2002	3	0	21	89	161	350	486	477	338	112	6	0	2043
2003	0	0	3	26	140	290	408	444	235	40	35	0	1621
2004	0	0	18	48	278	336	457	374	226	99	20	0	1856
2005	0	0	3	14	111	318	455	461	354	114	21	0	1851
2006	0	0	15	98	191	373	504	505	225	73	4	0	1988
2007	0	0	48	38	218	444	426	646	332	124	2	5	2283
2008	0	0	0	31	158	454	466	416	293	75	0	4	1897
2009	0	0	12	46	185	450	413	442	267	34	0	0	1849
2010	0	0	0	74	277	501	544	556	396	76	1	0	2425
2011	0	1	17	96	237	494	550	568	256	41	13	0	2273
2012	0	4	96	101	288	379	591	441	285	55	0	0	2240
2013	5	0	0	47	156	383	396	395	289	83	1	7	1762

SNOWFALL (inches) 2013 ATLANTA (KATL)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	0.0	0.0	T	0.4	1.5	0.0	0.0	0.0	0.0	1.9
1985-86	0.0	0.0	0.0	0.0	0.0	T	0.4	T	0.0	0.0	0.0	0.0	0.4
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	3.6	T	1.2	T	0.0	0.0	4.8
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	4.2	T	0.0	0.0	0.0	0.0	4.2
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	0.7	0.0	T	0.0	0.0	0.7
1989-90	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	T	0.0	0.0	1.3
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	2.1	T	T	0.0	0.0	0.0	2.1
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	T	0.0	0.0	0.0	5.0
1992-93	0.0	0.0	0.0	0.0	0.0	T	0.0	T	4.2	0.0	0.0	0.0	4.2
1993-94	0.0	0.0	0.0	T	0.0	2.8	T	0.0	0.0	0.0	0.0	0.0	2.8
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4	0.0	0.0	0.0	0.0	0.4
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	1.4						
1996-97													
1997-98													
1998-99													
1999-00							T						
2000-01	0.0	0.0	0.0	0.0	T	3.0	0.1	0.0	0.0	0.0	0.0	0.0	3.1
2001-02	T	0.0	0.0	0.0	0.0	0.0	4.6						
2002-03													
2003-04													
2004-05							0.5	0.0	T	0.0	0.0	0.0	
2005-06	0.0	0.0	0.0	0.0	T	0.0	T	T	0.0	0.0	0.0	0.0	T
2006-07	0.0	0.0	0.0	0.0	0.0	0.0	T	0.1	0.0	0.0	0.0	0.0	0.1
2007-08	0.0	0.0	0.0	0.0	0.0	T	1.4	T	T	0.0	0.0	0.0	1.4
2008-09	0.0	0.0	0.0	0.0	0.0	0.0	T	T	4.2	T	0.0	0.0	4.2
2009-10	0.0	0.0	0.0	0.0	0.0	T	0.6	3.6	1.1	0.0	0.0	0.0	5.3
2010-11	0.0	0.0	0.0	0.0	0.0	1.5	4.4	1.2	0.0	0.0	0.0	0.0	7.1
2011-12	0.0	0.0	0.0	0.0	T	0.0	T	T	0.0	0.0	0.0	T	T
2012-13	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T	0.0	0.0	0.0	T
2013-	0.0	0.0	0.0	0.0	0.4	0.0							
POR= 83 YRS	T	0.0	0.0	T	T	0.2	1.0	0.5	0.4	T	0.0	T	2.1

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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). 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</p>	<p>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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION 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.</p> <p>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.</p>
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2013 ATLANTA GEORGIA (KATL)

Atlanta is located in the foothills of the southern Appalachians in north-central Georgia. The terrain is rolling to hilly and slopes downward toward the east, west, and south so that drainage of the major river systems is generally into the Gulf of Mexico from the western and southern sections of the city and to the Atlantic from the eastern portions of the city.

The Gulf of Mexico and the Atlantic Ocean are approximately 250 miles south and southeast of the city, respectively. Both the Appalachian chain of mountains and the two nearby maritime bodies exert an important influence on the Atlanta climate. Temperatures are moderated throughout the year while abundant precipitation fosters natural vegetation and growth of crops. Summer temperatures in Atlanta are moderated somewhat by elevation but are still rather warm. However, prolonged periods of hot weather are unusual and 100 degree heat is rarely experienced.

With the mountains to the north tending to retard the southward movement of Polar air masses, Atlanta winters are rather mild. Cold spells are not unusual but they are rather short-lived and seldom disrupt outdoor activities for an extended period of time. Late March is the average date of the last temperature of 32 degrees in the spring and mid-November is the average date of the first temperature of 32 degrees in the fall, which gives an average growing season of about 234 days.

Minimum dry precipitation periods occur mainly during the late summer and early autumn. Maximum thunderstorm activity occurs during July, but severe local thunderstorms occur most frequently in March, April, and May, some spawning highly damaging tornadoes.

The average annual snowfall varies widely from year to year. A fall of 4 inches or more occurs about once every five years. Most snows melt in a short period of time due to the rapid warming which often follows the storm. Ice storms, freezing rain or glaze, occur about two out of every three years, causing hazardous travel and disruption of utilities. Severe ice storms occur about once in ten years, causing major disruption of utilities and significant property damage.

The Bermuda High pressure area has a dominant effect on Atlanta weather, particularly in the summer months. East or northeast winds produce the most unpleasant weather although southerly winds are quite humid during the summer. The generally light wind conditions contribute to the formation of an occasional early morning fog.

Station History

ATLANTA, GA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
ATLANTA HARTSFIELD INTL AP	1970-12-01	1995-08-01	33° 39'	-84° 25'	1010		COOP, WXSVC
ATLANTA HARTSFIELD INTL AP	1995-08-01	1996-04-15	33° 38'	-84° 25'	1010	.5 MI WNW	ASOS, COOP
ATLANTA HARTSFIELD INTL AP	2004-06-22	Present	33° 37'	-84° 26'	1010		ASOS, COOP
ATLANTA MUNICIPAL AP	1956-01-01	1962-01-01	33° 39'	-84° 25'	994		AIRWAYS, COOP
ATLANTA HARTSFIELD INTL AP	2001-04-13	2004-06-22	33° 37'	-84° 26'	1010		ASOS, COOP
ATLANTA MUNICIPAL AP	1969-01-01	1970-12-01	33° 39'	-84° 25'	1010		COOP, WXSVC
ATLANTA HARTSFIELD INTL AP	1996-04-15	2001-04-13	33° 38'	-84° 25'	1010		ASOS, COOP
ATLANTA MUNICIPAL AP	1955-09-30	1956-01-01	33° 39'	-84° 25'	1004		AIRWAYS, COOP
ATLANTA MUNICIPAL AP	1948-07-01	1955-09-01	33° 39'	-84° 25'	1004		AIRWAYS, COOP
ATLANTA MUNICIPAL AP	1955-09-01	1955-09-30	33° 39'	-84° 25'	1004		AIRWAYS, COOP, UPPERAIR
ATLANTA MUNICIPAL AP	1962-01-01	1969-01-01	33° 39'	-84° 25'	1010		AIRWAYS, COOP
ATLANTA MUNICIPAL AP	1929-06-01	1948-07-01	33° 39'	-84° 25'			AIRWAYS

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1928-09-01	1974-02-13	DAILY	UNKN			
TEMP	1991-10-03	1995-08-01	DAILY	2400	HYGR		
TEMP	2002-05-17	2004-06-22	DAILY	2400	ATEMP		
PRECIP	1974-02-13	1991-10-03	DAILY	2400			
PRECIP	1991-10-03	1995-08-01	HOURLY	2400	TB	RCRD	ROOF
PRECIP	2004-06-22	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	2004-06-22	Present	DAILY	2400	ATEMP		
PRECIP	1928-09-01	1974-02-13	HOURLY	UNKN			
PRECIP	1991-10-03	1995-08-01	DAILY	2400	SRG		
PRECIP	2002-05-17	2004-06-22	DAILY	0700	PCPNX		
PRECIP	2001-04-13	2002-05-17	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2002-05-17	2004-06-22	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	1995-08-01	2001-04-13	DAILY	2400	HYGR		
PRECIP	2002-05-17	2004-06-22	DAILY	2400	PCPNX		
PRECIP	2004-06-22	Present	DAILY	2400	PCPNX		
TEMP	1928-09-01	1974-02-13	DAILY	UNKN			
PRECIP	1995-08-01	2001-04-13	HOURLY	2400	TB	RCRD	
PRECIP	2001-04-13	2002-05-17	DAILY	2400	PCPNX		
TEMP	2002-05-17	2004-06-22	DAILY	0700	ATEMP		
TEMP	1974-02-13	1991-10-03	DAILY	UNKN			
TEMP	2001-04-13	2002-05-17	DAILY	2400	ATEMP		
PRECIP	1974-02-13	1991-10-03	HOURLY	2400			
PRECIP	1995-08-01	2001-04-13	DAILY	2400	SRG		

* For explanation of codes and abbreviations 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>

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