

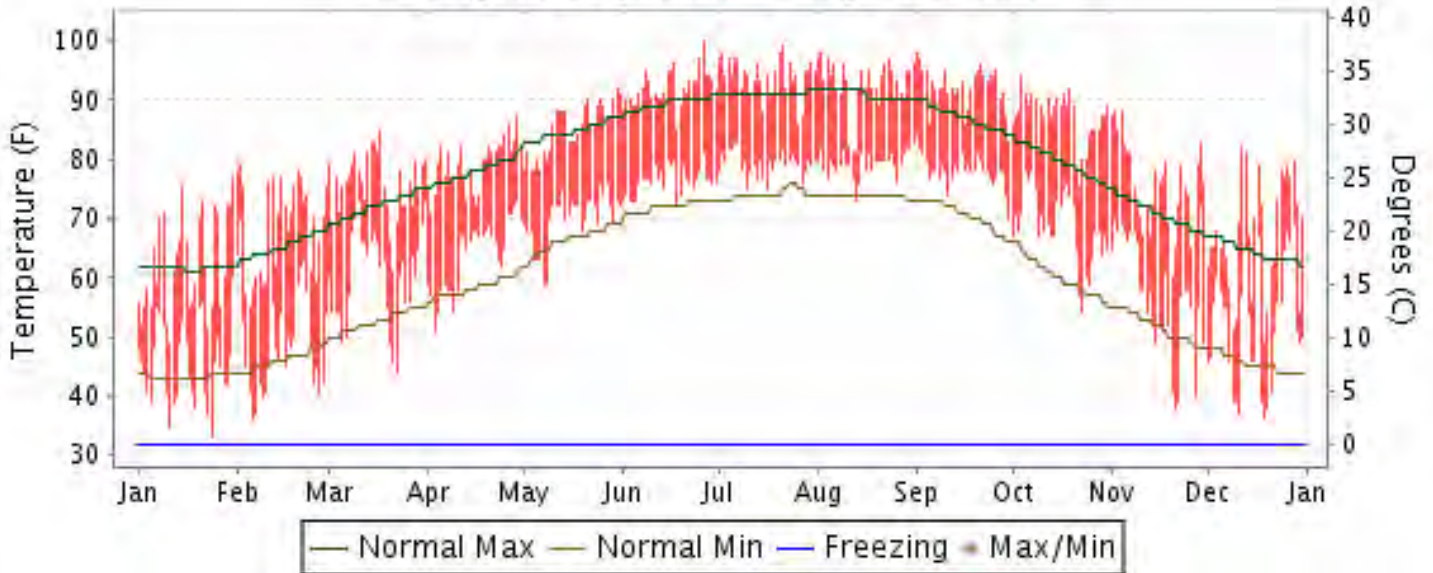


2016 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

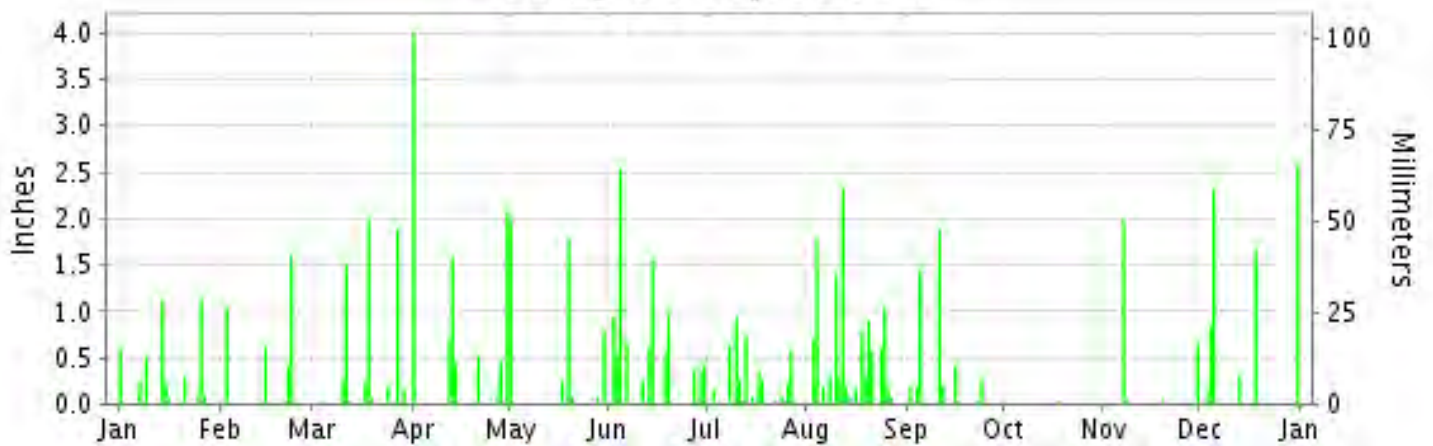
ISSN 0198-2311

NEW ORLEANS, LOUISIANA (KMSY)

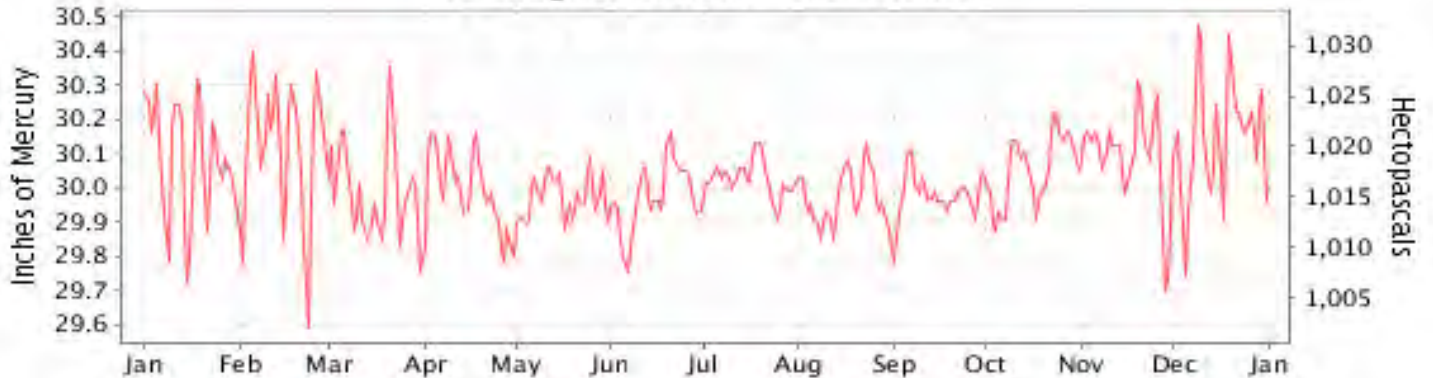
Daily Max/Min Temperature



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

Margaret S. Goss
DIRECTOR
NCEI

METEOROLOGICAL DATA FOR 2016

NEW ORLEANS (KMSY)

LATITUDE:
29° 59'N

LONGITUDE:
90° 16'W

ELEVATION (FT):
GRND: 4 BARO: 7

TIME ZONE:
CENTRAL (UTC -6)

WBAN: 12916

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	62.4	68.7	75.8	79.1	85.1	92.0	94.0	92.6	92.2	86.9	75.4	67.1	80.9	
	HIGHEST DAILY MAXIMUM	77	79	85	87	92	100	99	98	98	94	88	82	100	
	DATE OF OCCURRENCE	31	02	17	29	30	26	21	02	01	04	04+	12	JUN 26	
	MEAN DAILY MINIMUM	45.5	49.1	60.3	63.9	69.9	76.4	79.4	79.4	78.1	68.6	57.2	51.9	65.0	
	LOWEST DAILY MINIMUM	33	36	44	51	59	72	75	73	70	54	38	36	33	
	DATE OF OCCURRENCE	24	06	22	03	08+	18	16+	13	30	23	21	19	JAN 24	
	AVERAGE DRY BULB	53.9	58.9	68.1	71.5	77.5	84.2	86.7	86.0	85.2	77.7	66.3	59.5	73.0	
	MEAN WET BULB			62.2	64.6	69.9	76.0	78.2	78.3	76.4	68.4	60.7			
	MEAN DEW POINT			57.9	59.8	65.5	72.7	75.2	75.8	73.0	63.2	56.4			
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	5	25	28	27	25	8	0	0	0	118
MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	340	200	38	3	0	0	0	0	0	0	71	219	871	
	COOLING DEGREE DAYS	4	32	143	205	396	584	682	656	612	403	118	55	3890	
RH	MEAN (PERCENT)	66	60	72	69	69	72	73	75	71	64	73	82	71	
	HOUR 00 LST	71	69	80	77	78	82	80	82	79	75	82	87	79	
	HOUR 06 LST	74	73	82	81	81	83	85	85	83	79	85	86	81	
	HOUR 12 LST	57	50	64	58	58	61	62	66	60	48	58	75	60	
	HOUR 18 LST	62	52	64	62	60	64	66	71	67	56	70	81	65	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	THUNDERSTORMS	4	3	9	8	5	14	17	19	12	0	2	3	96	
PR	MEAN STATION PRESS. (IN.)	30.08	30.11	29.99	29.99	29.98	29.97	30.02	29.96	29.98	30.06	30.09	29.96	30.02	
	MEAN SEA-LEVEL PRESS. (IN.)	30.11	30.15	30.02	30.02	30.01	30.01	30.05	30.00	30.01	30.09	30.12			
WINDS	RESULTANT SPEED (MPH)	3.0	1.9	4.6	3.7	2.2	2.1	2.8	0.9	2.0	4.4	3.0	3.1	1.6	
	RES. DIR. (TENS OF DEGS.)	02	23	15	13	12	16	19	16	07	06	07	07	11	
	MEAN SPEED (MPH)	9.8	9.4	10.8	9.4	7.8	6.3	5.6	6.6	5.7	6.5	7.0	8.3	7.8	
	PREVAIL.DIR.(TENS OF DEGS.)	36	16	13	15	15	17	18	17	02	06	05	02	18	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	31	35	44	33	40	29	28	30	26	25	30	28	44	
	DIR. (TENS OF DEGS.)	32	31	18	01	25	34	31	20	13	03	18	10	18	
	DATE OF OCCURRENCE	22	08	11	13	19	18	13	21	11	21	28	03	MAR 11	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	43	46	57	40	49	35	44	40	36	31	42	38	57	
DIR. (TENS OF DEGS.)	32	20	18	36	26	35	27	08	14	01	19	11	18		
DATE OF OCCURRENCE	22	23	11	13	19	18	13	04	11	21	28	03	MAR 11		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.41	3.72	6.36	9.89	4.95	9.78	4.45	11.87	4.63	0.05	2.77	7.86	70.74	
	GREATEST 24-HOUR (IN.)	1.33	1.61	2.02	4.00	1.98	2.53	1.21	2.43	1.87	0.05	2.04	2.57	4.00	
	DATE OF OCCURRENCE	14-15	23	18-19	01	01	04	10-11	11-12	11	18	07-08	31	APR 01	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	13	6	10	9	8	14	16	18	10	1	6	9	120	
PRECIPITATION 0.10	8	4	7	8	4	12	10	16	7	0	2	6	84		
PRECIPITATION 1.00	2	2	3	3	2	2	0	4	2	0	1	3	24		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0															

NORMALS, MEANS, AND EXTREMES NEW ORLEANS (KMSY)

LATITUDE: 29° 59'N **LONGITUDE:** 90° 16'W **ELEVATION (FT):** GRND: 4 BARO: 7 **TIME ZONE:** CENTRAL (UTC -6) **WBAN: 12916**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	62.1	65.4	71.8	78.2	85.2	89.5	91.2	91.2	87.5	80.0	71.8	64.4	78.2
	MEAN DAILY MAXIMUM	78	62.1	64.5	71.5	78.0	84.9	89.3	90.9	90.7	86.8	79.9	70.4	64.5	77.8
	HIGHEST DAILY MAXIMUM	70	83	85	89	92	96	101	101	102	101	94	88	84	102
	YEAR OF OCCURRENCE		1982	1972	1982	1987	1953	2009	1981	1980	1980	2016	2016	1995	AUG 1980
	MEAN OF EXTREME MAXS.	78	77.5	79.2	82.5	86.7	91.4	94.8	95.8	95.9	93.3	88.8	83.2	79.8	87.4
	NORMAL DAILY MINIMUM	30	44.7	48.0	53.5	60.0	68.1	73.5	75.3	75.3	72.0	62.6	53.5	46.9	61.1
	MEAN DAILY MINIMUM	78	44.1	46.2	52.8	59.2	66.6	71.9	74.2	74.2	70.7	61.0	51.3	46.2	59.9
	LOWEST DAILY MINIMUM	70	14	16	25	32	41	50	60	60	60	42	35	24	11
	YEAR OF OCCURRENCE		1985	1996	1980	1971	1960	1984	1967	1968	1967	1993	1970	1989	DEC 1989
	MEAN OF EXTREME MINS.	78	27.0	30.7	36.1	44.7	54.9	64.7	69.8	69.0	61.0	45.4	35.6	29.6	47.4
	NORMAL DRY BULB	30	53.4	56.7	62.6	69.1	76.7	81.5	83.3	83.3	79.7	71.3	62.7	55.6	69.7
	MEAN DRY BULB	78	53.1	55.4	62.1	68.6	75.7	80.7	82.6	82.5	78.8	70.5	60.9	55.4	68.9
	MEAN WET BULB	31	46.9	50.9	55.5	61.5	68.2	73.5	75.2	75.3	71.9	63.2	55.4	50.1	62.3
	MEAN DEW POINT	31	45.4	48.5	54.1	60.2	67.3	72.9	74.6	74.6	70.9	62.3	54.4	48.0	61.1
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.1	3.7	14.1	20.7	21.2	10.1	0.8	0.0	0.0	70.7
	MAXIMUM <= 32	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
MINIMUM <= 32	30	2.9	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.9	
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	375	253	136	34	1	0	0	0	0	25	139	317	1280
	NORMAL COOLING DEG. DAYS	30	16	21	63	157	362	495	566	566	443	220	69	27	3005
RH	NORMAL (PERCENT)	30	75	74	73	73	74	78	79	79	77	75	76	77	76
	HOUR 00 LST	30	81	80	81	83	85	87	88	88	86	85	85	83	84
	HOUR 06 LST	30	84	84	85	87	89	90	92	92	89	88	87	85	88
	HOUR 12 LST	30	66	63	61	59	60	64	66	65	65	60	63	65	63
	HOUR 18 LST	30	71	66	65	64	65	68	71	72	72	71	75	74	70
S	PERCENT POSSIBLE SUNSHINE	22	46	50	56	62	62	63	59	61	61	64	54	48	57
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	53	4.2	3.0	2.6	1.0	0.4	0.2	0.1	0.2	0.2	1.2	2.4	3.4	18.9
	THUNDERSTORMS	69	2.1	2.8	4.0	4.4	5.9	10.6	15.4	13.0	6.7	2.1	2.2	2.2	71.4
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	48	5.4	5.0	5.0	4.6	4.9	4.9	5.1	4.6	4.3	3.6	4.3	5.1	4.7
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.2	4.8	4.9	4.4	4.2	4.0	4.6	4.3	4.0	3.3	4.0	4.8	4.4
	MEAN NO. DAYS WITH: CLEAR	48	6.9	7.5	7.8	7.9	8.9	8.3	4.6	7.2	9.6	14.3	10.2	7.7	100.9
	PARTLY CLOUDY	48	7.1	6.4	8.0	10.4	11.2	12.5	14.6	13.8	10.6	7.9	8.2	7.4	118.1
	CLOUDY	48	16.9	14.3	15.2	11.7	10.9	9.2	11.8	10.0	9.8	8.9	11.5	15.9	146.1
PR	MEAN STATION PRESSURE(IN)	33	30.13	30.09	30.03	29.98	29.96	29.95	29.99	29.96	29.95	30.02	30.09	30.11	30.02
	MEAN SEA-LEVEL PRES. (IN)	33	30.16	30.12	30.06	30.01	29.99	29.98	30.03	30.00	29.98	30.05	30.12	30.15	30.05
WINDS	MEAN SPEED (MPH)	33	9.1	9.5	9.3	9.3	8.2	6.7	5.9	6.1	7.3	7.9	8.4	8.8	8.0
	PREVAIL.DIR.(TENS OF DEGS)	38	36	36	17	17	16	19	19	05	05	05	01	36	17
	MAXIMUM 2-MINUTE: SPEED (MPH)	20	48	43	47	54	44	40	46	53	46	39	39	39	54
	DIR. (TENS OF DEGS)		27	21	30	30	30	25	04	03	01	17	28	24	30
	YEAR OF OCCURRENCE		1998	1998	2011	2015	2015	2004	2005	2012	2002	2002	2004	2000	APR 2015
	MAXIMUM 3-SECOND SPEED (MPH)	20	63	51	77	70	64	64	62	75	63	51	46	51	77
	DIR. (TENS OF DEGS)		33	21	29	29	02	25	23	08	04	13	21	25	29
	YEAR OF OCCURRENCE		1998	1998	2011	2015	2004	2004	2010	2012	2008	2002	2002	2005	MAR 2011
PRECIPITATION	NORMAL (IN)	30	5.15	5.30	4.55	4.61	4.63	8.06	5.93	5.98	4.97	3.54	4.49	5.24	62.45
	MAXIMUM MONTHLY (IN)	70	19.28	12.59	19.09	16.12	21.18	17.62	13.15	18.61	18.98	13.20	19.81	25.92	25.92
	YEAR OF OCCURRENCE		1998	1983	1948	1980	1995	2001	1991	2012	1998	1985	1989	2009	DEC 2009
	MINIMUM MONTHLY (IN)	70	0.19	0.15	0.24	0.28	0.07	0.23	1.38	1.61	0.24	0.00	0.21	1.30	0.00
	YEAR OF OCCURRENCE		2003	1989	1955	1976	2000	1979	2000	2011	1953	1978	1949	2011	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	70	6.08	5.60	7.87	8.08	12.40	7.40	5.12	7.98	9.55	8.71	12.66	8.76	12.66
	YEAR OF OCCURRENCE		1978	1961	1948	1988	1995	1988	2012	2012	2002	2015	1989	2009	NOV 1989
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.3	8.8	8.3	6.9	7.7	12.9	13.6	13.1	9.4	7.7	7.9	9.2	114.8
	PRECIPITATION >= 1.00	30	1.7	1.7	1.8	1.4	1.4	3.0	1.7	1.7	1.4	1.0	1.4	1.4	19.6
SNOWFALL	NORMAL (IN)	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
	MAXIMUM MONTHLY (IN)	51	0.4	2.0	T	T	T	0.0	0.0	0.0	0.0	0.0	T	2.7	2.7
	YEAR OF OCCURRENCE		1985	1958	1993	1996	1989						1950	1963	DEC 1963
	MAXIMUM IN 24 HOURS (IN)	50	0.4	2.0	T	T	T	0.0	0.0	0.0	0.0	0.0	T	2.7	2.7
	YEAR OF OCCURRENCE		1985	1958	1993	1996	1989						1950	1963	DEC 1963
	MAXIMUM SNOW DEPTH (IN)	48	2	2	0	0	0	0	0	0	0	0	0	1	2
	YEAR OF OCCURRENCE		1964	1958										1989	JAN 1964
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	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	

PRECIPITATION (inches) 2016 NEW ORLEANS (KMSY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1987	8.88	7.38	4.39	2.27	3.46	15.01	6.38	5.05	1.29	0.72	2.92	2.88	60.63
1988	3.74	11.31	8.90	9.25	1.68	11.28	6.78	7.53	5.86	2.87	1.26	3.94	74.40
1989	2.47	0.15	7.14	3.20	3.50	8.22	8.34	3.31	4.53	0.51	19.81	6.28	67.46
1990	7.59	11.45	5.98	4.59	5.87	1.01	2.30	2.45	4.55	2.38	3.21	9.67	61.05
1991	19.25	5.42	6.27	15.29	14.28	10.71	13.15	7.86	3.44	1.88	2.19	2.63	102.37
1992	9.94	8.73	6.69	2.52	0.95	9.52	5.75	9.64	6.63	0.55	15.27	5.68	81.87
1993	6.21	2.34	5.65	6.82	7.23	4.96	5.77	2.26	2.47	3.67	2.43	2.90	52.71
1994	3.25	0.54	4.82	2.83	3.67	9.35	8.95	4.59	5.61	2.30	1.39	4.61	51.91
1995	3.66	4.94	7.89	3.81	21.18	2.84	6.44	3.26	0.69	1.31	4.24	5.07	65.33
1996	4.66	1.56	2.97	3.87	1.37	8.60	10.32	8.76	3.96	2.59	3.10	5.55	57.31
1997	6.32	6.88	2.57	4.91	5.03	6.97	3.94	2.25	0.81	1.36	8.09	2.55	51.68
1998	19.28	4.28	5.97	4.39	0.43	3.38	6.56	8.30	18.98	1.82	3.40	2.25	79.04
1999	3.20	0.92	4.60	0.30	3.37	12.20	4.05	5.21	2.87	5.46	0.28	3.85	46.31
2000	2.25	1.81	2.41	1.13	0.07	5.46	1.38	2.35	6.50	1.10	11.72	2.70	38.88
2001	3.05	1.59	8.07	1.08	6.85	17.62	6.97	7.41	6.30	5.13	2.54	2.90	69.51
2002	3.29	2.76	3.58	2.14	3.04	4.83	4.54	4.09	14.23	10.09	5.10	4.82	62.51
2003	0.19	4.56	4.46	6.19	3.04	17.37	6.41	6.19	5.68	4.12	6.13	1.94	66.28
2004	3.00	8.41	1.11	14.81	10.04	13.58	3.89	3.75	1.29	8.53	7.43	3.44	79.28
2005	4.41	8.24	4.68	3.31	2.59	2.52	10.65	8.27	4.22	0.04	0.75	3.32	53.00
2006	2.95	3.16	0.63	3.78	0.28	2.78	4.86	6.70	4.72	3.24	2.75	10.03	45.88
2007	4.86	2.30	2.09	1.65	8.57	8.64	4.26	4.08	2.12	9.44	0.58	4.71	53.30
2008	3.34	2.88	2.15	6.70	7.19	4.40	3.24	7.21	11.17	1.78	1.77	2.21	54.04
2009	6.40	4.39	5.07	1.33	2.63	2.13	5.73	9.50	9.22	5.97	1.02	25.92	79.31
2010	2.24	6.60	2.91	2.61	5.17	10.00	6.67	11.73	0.33	0.74	2.75	2.17	53.92
2011	4.09	1.65	10.48	0.35	0.78	4.70	13.00	1.61	13.27	0.22	3.18	1.30	54.63
2012	1.81	4.72	8.10	7.44	1.77	3.18	11.59	18.61	3.03	0.40	2.48	5.13	68.26
2013	6.59	7.21	1.08	11.62	8.23	4.39	3.97	7.22	8.68	2.29	1.89	3.20	66.37
2014	2.72	6.31	5.25	2.31	8.35	8.03	4.49	5.50	3.84	1.84	2.14	3.96	54.74
2015	5.67	2.03	6.36	11.97	9.14	3.75	4.17	3.28	2.72	9.54	6.25	6.46	71.34
2016	4.41	3.72	6.36	9.89	4.95	9.78	4.45	11.87	4.63	0.05	2.77	7.86	70.74
POR= 78 YRS	4.75	4.96	4.92	4.70	4.67	6.03	6.37	6.02	5.50	3.09	4.08	5.09	60.18

WBAN : 12916

AVERAGE TEMPERATURE (°F) 2016 NEW ORLEANS (KMSY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1987	50.0	56.3	60.3	66.2	76.8	79.9	82.9	83.5	78.2	64.4	61.6	59.0	68.3
1988	49.4	53.2	60.9	68.4	73.3	78.5	81.6	81.4	79.8	68.0	65.6	56.0	68.0
1989	60.2	55.9	62.8	67.0	76.4	79.4	81.4	81.7	76.9	67.5	62.4	46.9	68.2
1990	57.2	61.3	63.3	67.6	76.2	82.6	82.3	83.0	79.6	68.1	62.3	59.0	70.2
1991	52.8	58.2	64.2	71.2	77.5	81.3	83.5	81.7	78.2	71.6	55.9	57.6	69.5
1992	51.1	58.3	62.0	66.4	72.8	80.6	83.1	79.6	78.5	69.5	57.4	58.2	68.1
1993	57.2	54.7	58.8	64.0	71.9	80.4	83.3	83.6	79.7	69.9	58.0	52.2	67.8
1994	50.0	56.9	60.8	69.6	75.1	81.4	80.8	81.3	77.8	70.8	65.3	56.5	68.9
1995	53.0	56.3	63.0	68.8	77.6	79.3	83.9	84.7	79.5	71.3	59.8	55.2	69.4
1996	52.9	55.9	58.4	67.1	78.1	80.6	82.8	81.1	79.0	70.4	63.3	57.3	68.9
1997	53.8	57.1	66.4	65.4	74.5	79.6	83.4	83.6	81.1	71.3	58.6	52.8	69.0
1998	56.1	55.9	59.8	67.5	78.8	83.7	85.3	84.6	81.1	73.3	65.4	59.1	70.9
1999	57.7	61.1	61.6	73.1	76.7	81.4	82.2	85.5	78.2	70.7	62.0	55.2	70.5
2000	56.4	60.6	66.0	68.9	80.1	81.7	84.6	84.4	79.3	69.8	59.9	49.6	70.1
2001	50.2	60.3	59.4	72.2	76.1	80.3	82.9	82.5	78.5	68.3	65.0	57.6	69.4
2002	54.7	51.9	62.1	72.5	76.6	80.8	83.4	82.8	80.9	74.0	59.9	54.2	69.5
2003	49.1	55.4	62.6	69.6	79.7	81.2	82.6	84.0	80.6	72.4	66.3	53.7	69.8
2004	53.7	53.0	65.4	67.6	75.5	81.0	82.6	81.6	80.7	76.6	65.4	52.4	69.6
2005	57.9	59.4	60.8	68.1	75.6	82.0	83.7	84.8	83.2	71.8	64.0	53.9	70.4
2006	59.3	56.7	65.8	73.5	76.9	83.8	83.1	83.5	79.2	71.6	59.9	55.1	70.7
2007	53.6	53.9	65.1	67.5	75.5	81.3	82.0	85.1	81.7	72.1	62.9	60.3	70.1
2008	53.0	59.1	62.4	69.2	76.7	82.6	83.8	82.5	78.9	70.2	61.0	59.3	69.9
2009	55.4	58.7	65.4	68.9	78.2	83.3	84.1	82.8	81.0	71.8	61.0	53.4	70.3
2010	48.4	48.3	57.9	70.2	80.0	84.0	84.7	85.0	82.1	72.2	63.3	51.7	69.0
2011	51.1	56.7	66.7	74.0	77.5	85.0	84.2	87.3	78.4	69.4	64.1	57.8	71.0
2012	60.9	61.1	70.7	72.9	79.3	82.6	83.2	82.3	80.6	70.2	60.5	58.9	71.9
2013	56.6	57.8	59.1	68.2	73.5	82.8	82.3	82.7	81.7	73.0	59.8	55.2	69.4
2014	47.0	56.2	59.4	68.7	75.0	81.6	82.4	84.4	81.6	72.6	58.0	58.9	68.8
2015	52.0	52.4	66.4	73.6	78.2	82.4	85.6	84.9	80.5	73.3	67.0	64.6	71.7
2016	53.9	58.9	68.1	71.5	77.5	84.2	86.7	86.0	85.2	77.7	66.3	59.5	73.0
POR= 78 YRS	53.1	55.4	62.1	68.6	75.7	80.7	82.6	82.5	78.8	70.5	60.9	55.4	68.9

HEATING DEGREE DAYS (base 65°F) 2016 NEW ORLEANS (KMSY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	0	0	0	58	149	222	490	351	166	23	0	0	1459
1988-89	0	0	0	12	92	301	186	292	155	60	0	0	1098
1989-90	0	0	0	53	142	559	253	136	101	41	0	0	1285
1990-91	0	0	0	62	122	244	371	196	105	8	0	0	1108
1991-92	0	0	0	22	312	262	426	203	128	54	5	0	1412
1992-93	0	0	0	2	240	218	248	285	209	82	0	0	1284
1993-94	0	0	0	42	259	399	464	263	177	49	0	0	1653
1994-95	0	0	0	16	72	268	375	257	123	33	0	0	1144
1995-96	0	0	0	16	186	358	380	307	248	54	1	0	1550
1996-97	0	0	0	17	116	253	373	248	58	44	0	0	1109
1997-98	0	0	0	38	202	383	273	251	210	25	0	0	1382
1998-99	0	0	0	2	48	243	263	150	118	21	0	0	845
1999-00	0	0	0	23	112	318	295	181	63	33	0	0	1025
2000-01	0	0	4	34	227	469	453	181	184	16	0	0	1568
2001-02	0	0	0	44	60	249	356	365	184	13	0	0	1271
2002-03	0	0	0	1	186	336	487	265	97	39	0	0	1411
2003-04	0	0	0	3	89	345	360	344	61	39	3	0	1244
2004-05	0	0	0	2	71	397	249	174	164	11	0	0	1068
2005-06	0	0	0	47	116	350	190	245	74	0	0	0	1022
2006-07	0	0	0	22	175	310	358	311	91	63	0	0	1330
2007-08	0	0	0	29	122	207	384	193	143	32	0	0	1110
2008-09	0	0	0	36	144	242	322	198	78	36	0	0	1056
2009-10	0	0	0	39	134	357	513	461	223	0	0	0	1727
2010-11	0	0	0	2	116	415	423	294	50	9	0	0	1309
2011-12	0	0	0	28	123	251	185	157	22	0	0	0	766
2012-13	0	0	0	27	162	219	277	204	209	32	16	0	1146
2013-14	0	0	0	5	195	339	548	266	187	41	0	0	1581
2014-15	0	0	0	2	228	213	403	358	70	0	0	0	1274
2015-16	0	0	0	2	56	116	340	200	38	3	0	0	755
2016-	0	0	0	0	71	219							

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COOLING DEGREE DAYS (base 65°F) 2016 NEW ORLEANS (KMSY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1987	3	4	30	120	373	456	562	580	402	48	53	42	2673
1988	14	15	49	131	263	411	523	513	448	113	118	30	2628
1989	46	43	95	124	363	439	515	525	365	137	70	6	2728
1990	17	40	56	127	353	538	545	567	448	166	50	62	2969
1991	2	12	88	202	396	496	580	524	402	233	47	40	3022
1992	0	18	41	103	258	472	568	459	408	149	20	14	2510
1993	13	4	26	61	222	468	572	585	447	200	57	8	2663
1994	4	40	54	191	320	501	495	513	390	204	94	12	2818
1995	10	20	67	155	399	434	594	615	444	216	39	59	3052
1996	13	50	47	124	412	473	558	507	427	189	70	21	2891
1997	34	31	107	67	301	445	576	583	489	238	19	9	2899
1998	4	1	59	108	435	568	635	613	489	267	68	70	3317
1999	41	48	20	273	369	497	543	643	403	209	29	23	3098
2000	35	58	103	159	477	506	616	610	439	192	79	0	3274
2001	0	56	19	239	353	469	564	550	410	153	69	29	2911
2002	45	4	100	248	368	482	577	559	483	289	40	7	3202
2003	2	6	29	184	463	493	551	594	473	237	135	2	3169
2004	19	3	80	127	337	490	553	524	479	368	91	15	3086
2005	33	21	43	108	334	517	586	620	551	263	94	14	3184
2006	21	20	105	262	375	568	566	583	431	235	32	7	3205
2007	12	5	96	145	337	496	534	630	510	258	65	68	3156
2008	19	29	67	164	367	537	591	551	422	204	32	72	3055
2009	30	29	98	159	415	557	601	555	487	258	21	7	3217
2010	6	0	10	161	471	581	614	627	518	234	71	9	3302
2011	0	70	109	285	396	608	603	701	410	174	100	37	3493
2012	63	48	208	245	452	533	574	544	474	197	36	35	3409
2013	25	7	36	136	289	541	546	556	511	261	51	42	3001
2014	0	24	21	158	320	504	550	607	504	247	31	31	2997
2015	8	10	124	268	419	530	645	625	473	266	124	111	3603
2016	4	32	143	205	396	584	682	656	612	403	118	55	3890

SNOWFALL (inches) 2016 NEW ORLEANS (KMSY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1977-78	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1978-79	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1980-81	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
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1982-83	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
1983-84	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
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
1985-86	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
1986-87	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
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	T
1989-90	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	T	0.0	0.0	0.5
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1993-94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T			
1996-97													
1997-98													
1998-99													
1999-00													
2000-01							T						
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 49 YRS	0.0	0.0	0.0	0.0	0.0	0.1	T	0.1	T	T	T	0.0	0.2

WBAN : 12916

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. 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.</p> <p>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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2016 NEW ORLEANS LOUISIANA (KMSY)

The New Orleans metropolitan area is virtually surrounded by water. Lake Pontchartrain, some 610 square miles in area, borders the city on the north and is connected to the Gulf of Mexico through Lake Borgne on the east. In other directions there are bayous, lakes, and marshy delta land. The proximity of the Gulf of Mexico also has a great influence on the climate. Elevations in the city vary from a few feet below to a few feet above mean sea level. A massive levee system surrounding the city and along the Mississippi River offers protection against flooding from the river and tidal surges. The New Orleans International Airport is located 12 miles west of downtown New Orleans, between the Mississippi River and Lake Pontchartrain.

The climate of the city can best be described as humid with the surrounding water modifying the temperature and decreasing the range between the extremes. Almost daily sporadic afternoon thunderstorms from mid-June through September keep the temperature from rising much above 90 degrees. From about mid-November to mid-March, the area is subjected alternately to the southerly flow of warm tropical air and to the northerly flow of cold continental air in periods of varying lengths. The usual track of winter storms is to the north of New Orleans, but occasionally one moves this far south, bringing large and rather sudden drops in temperature. However, the cold spells seldom last over three or four days. The lowest temperatures observed are below 10 degrees. In about two-thirds of the years, the lowest temperature is about 24 degrees or warmer. The lowest temperatures in some years are entirely above freezing.

During the winter and spring, the cold Mississippi River water enhances the formation of river fogs, particularly when light southerly winds bring warm, moist air into the area from the Gulf of Mexico. The nearby lakes and marshes also contribute to fog formation. Even so, the fog usually does not seriously affect automobile traffic except for brief periods. However, air travel will be suspended for several hours and river traffic, at times, will be unable to move between New Orleans and the Gulf for several days.

Rather frequent and sometimes very heavy rains are typical for this area. There are an average of 120 days of measurable rain per year and an annual average accumulation of over 60 inches. A fairly definite rainy period occurs from mid-December to mid-March. Precipitation during this period is most likely to be steady rain for two to three day periods. April, May, October, and November are generally dry, but there have been some extremely heavy showers in those months. The greatest 24-hour amounts have exceeded 14 inches. Snowfall is rather infrequent and light. However, on rare occasions, snowstorms have produced accumulations over 8 inches.

While thunder occurs with most of the showers in the area, thunderstorms with damaging winds are infrequent. Hail of a damaging nature seldom occurs, and tornadoes are extremely rare. However, waterspouts are observed quite often on nearby lakes. Hurricanes have effected the area.

The lower Mississippi River floods result from runoff upstream. If the water level in the river becomes dangerously high, the spillways upriver can be opened to divert the floodwaters. Rainfall in the New Orleans area is pumped into the surrounding lakes and bayous. Local street and minor urban flooding of short duration result from occasional downpours.

Air pollution is not a serious problem. The area is not highly industrialized, and long periods of air stagnation are rare.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is December 5 and the average last occurrence in the spring is February 20.

Station History

NEW ORLEANS, LA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
NEW ORLEANS INTL AP	1959-12-23	1969-01-01	29° 58'	-90° 15'	3		AIRWAYS, COOP
NEW ORLEANS INTL AP	2004-04-01	2016-11-09	29° 59'	-90° 15'	4		ASOS, COOP
NEW ORLEANS INTL AP	1969-01-01	1969-05-13	29° 58'	-90° 15'	3		COOP, WXSVC
NEW ORLEANS INTL AP	1981-12-31	1996-05-01	29° 58'	-90° 15'	4		COOP
NEW ORLEANS INTL AP	2016-11-09	Present	29° 59'	-90° 16'	4		ASOS, COOP
NEW ORLEANS MENEFEER AP	1932-03-01	1934-03-30	29° 57'	-89° 59'	5		AIRWAYS
NEW ORLEANS INTL AP	1969-05-13	1981-12-31	29° 58'	-90° 15'	4		COOP, WXSVC
NEW ORLEANS AP	1934-03-30	1946-05-01	30° 2'	-90° 1'	6		AIRWAYS, COOP
NEW ORLEANS INTL AP	1946-05-01	1959-12-23	29° 59'	-90° 15'	3		AIRWAYS, COOP
NEW ORLEANS	1926-01-01	1950-12-31	29° 58'	-90° 15'	9.8		UPPERAIR, BALLOON
NEW ORLEANS INTL AP	1996-05-01	2004-04-01	29° 59'	-90° 15'	4		ASOS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1996-05-01	2004-04-01	HOURLY	2400	TB	RCRD	
TEMP	1976-02-01	1995-07-01	DAILY	2400	HYGR		
PRECIP	1946-05-01	1976-02-01	DAILY	2400	UNIV	RCRD	ROOF
TEMP	1946-05-01	1976-02-01	DAILY	2400	HYGR		
WIND	2004-04-01	2007-03-23	HOURLY	UNKN	ANEMCUP		
PRECIP	1996-05-01	2004-04-01	DAILY	2400	TB	RCRD	
TEMP	2004-04-01	2007-03-23	DAILY	2400	ATEMP		
PRECIP	1976-02-01	1995-07-01	DAILY	2400	UNIV	RCRD	ROOF
PRECIP	1976-02-01	1995-07-01	HOURLY	2400			
PRECIP	2004-04-01	2007-03-23	DAILY	2400	PCPNX		
PRECIP	2007-03-23	Present	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	2007-03-23	Present	DAILY	2400	ATEMP		
WIND	2007-03-23	Present	HOURLY	UNKN	ANEMSONIC		
PRECIP	1995-07-01	1996-05-01	HOURLY	2400	UNIV	RCRD	ROOF
PRECIP	1995-07-01	1996-05-01	DAILY	2400	UNIV	RCRD	ROOF
TEMP	1996-05-01	2004-04-01	DAILY	2400	HYGR		
PRECIP	2004-04-01	2007-03-23	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	1995-07-01	1996-05-01	DAILY	2400	HYGR		
WIND	1996-05-01	2004-04-01	HOURLY	UNKN	ANEMCUP		
PRECIP	2007-03-23	Present	DAILY	2400	PCPNX		

* 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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