

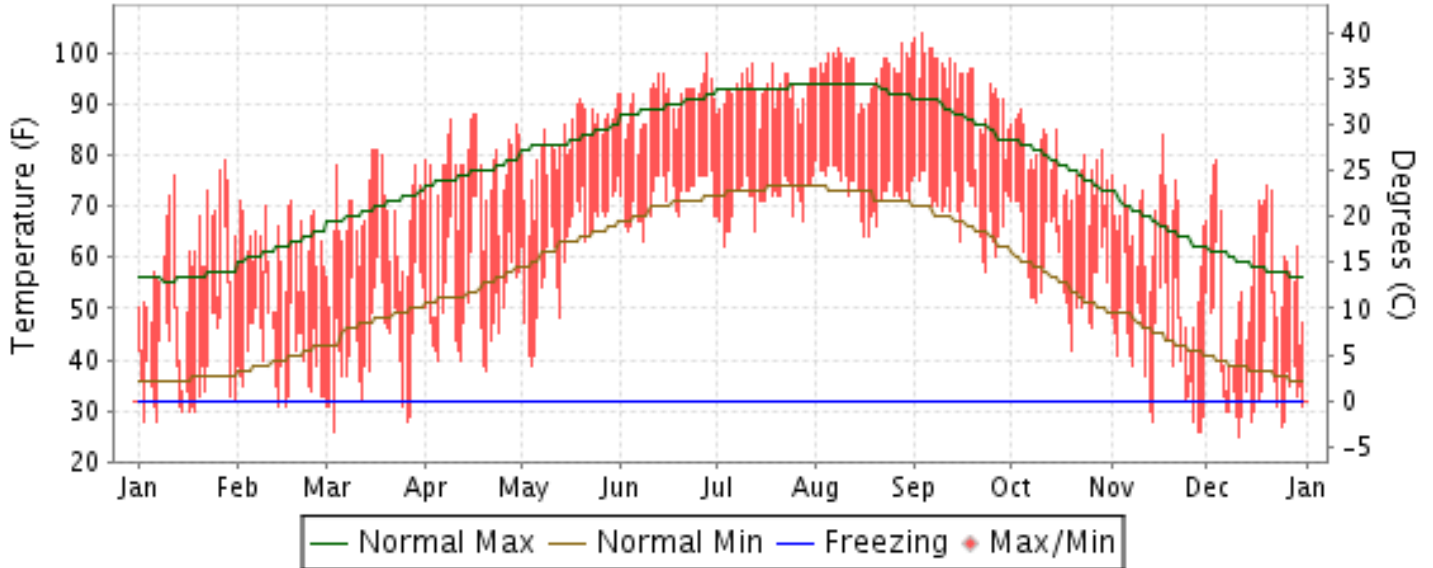


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

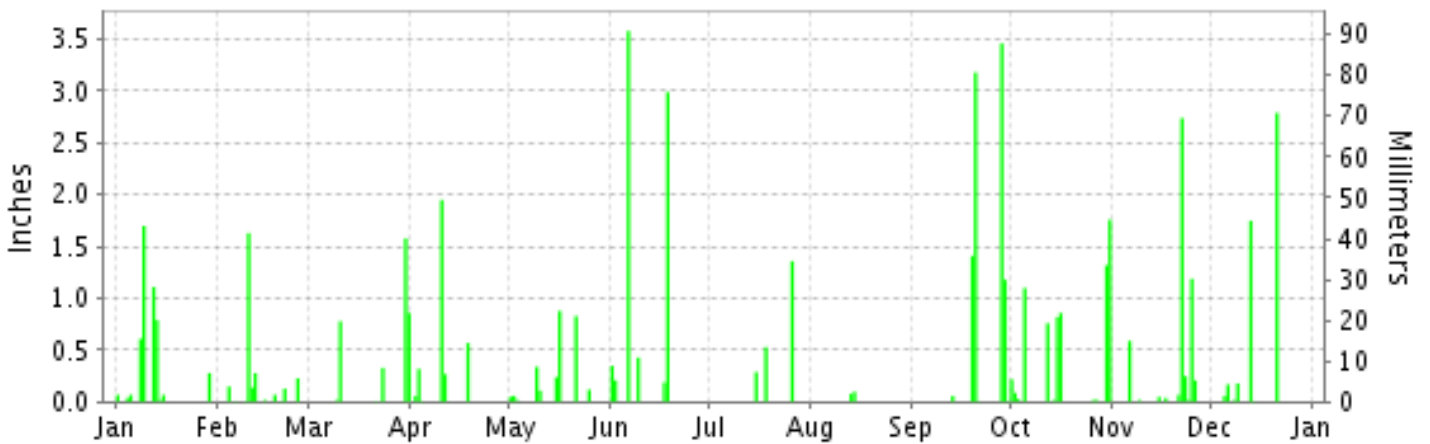
ISSN 0198-2338

SHREVEPORT, LOUISIANA (KSHV)

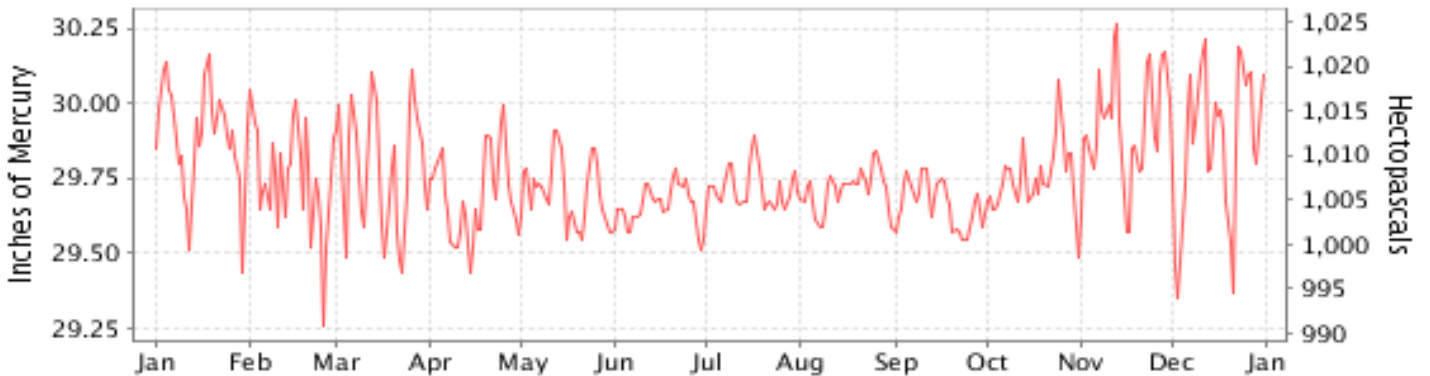
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
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ENVIRONMENTAL SATELLITE, DATA
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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

SHREVEPORT (KSHV)

LATITUDE: 32° 26'N LONGITUDE: 93° 49'W ELEVATION (FT): GRND: 254 BARO: 274 TIME ZONE: CENTRAL (UTC -6) WBAN: 13957

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	59.1	61.7	67.6	76.2	82.9	91.1	92.9	97.0	93.9	77.9	63.3	57.0	76.7	
	HIGHEST DAILY MAXIMUM	79	71	81	88	92	100	98	102	104	89	84	79	104	
	DATE OF OCCURRENCE	28	18+	17+	17+	31	28	18+	31+	03	04	17	04	SEP 03	
	MEAN DAILY MINIMUM	39.6	41.0	43.1	51.4	61.5	71.6	71.1	73.0	69.7	57.5	42.3	37.2	54.9	
	LOWEST DAILY MINIMUM	28	31	26	38	39	63	62	64	57	42	26	25	25	
	DATE OF OCCURRENCE	07+	16+	03	20	04	08	03	17+	23	20	29+	11	DEC 11	
	AVERAGE DRY BULB	49.4	51.3	55.4	63.8	72.2	81.4	82.0	85.0	81.8	67.7	52.8	47.1	65.8	
	MEAN WET BULB	45.9	45.8	48.1	57.0	65.1	73.5	72.9	73.8	70.1	62.2	47.9	42.7	58.8	
	MEAN DEW POINT	41.6	39.7	39.5	51.6	60.5	70.0	68.8	68.4	63.9	58.6	42.8	38.7	53.7	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	4	21	25	29	24	0	0	0	103	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 32°	9	2	7	0	0	0	0	0	0	0	7	12	37	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	485	376	306	123	38	0	0	0	0	38	373	559	2298	
	COOLING DEGREE DAYS	8	0	17	94	268	498	531	629	516	131	14	11	2717	
RH	MEAN (PERCENT)	76	69	59	68	70	71	68	62	59	76	73	77	69	
	HOUR 00 LST	82	74	69	78	80	83	79	72	69	86	80	83	78	
	HOUR 06 LST	87	80	77	86	88	90	89	87	81	90	85	87	86	
	HOUR 12 LST	68	59	46	54	56	57	53	45	45	60	59	65	56	
	HOUR 18 LST	68	59	44	54	57	56	53	44	44	70	70	73	58	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	4	5	2	1	2	4	0	0	0	2	1	4	25	
	THUNDERSTORMS	5	5	3	4	7	7	6	2	3	5	1	1	49	
PR	MEAN STATION PRESS. (IN.)	29.88	29.75	29.79	29.70	29.70	29.66	29.71	29.71	29.66	29.75	29.93	29.88	29.76	
	MEAN SEA-LEVEL PRESS. (IN.)	30.16	30.03	30.07	29.98	29.97	29.93	29.99	29.98	29.93	30.03	30.21	30.16	30.04	
WINDS	RESULTANT SPEED (MPH)	0.4	0.5	1.0	2.7	3.7	2.1	2.3	3.0	3.4	0.9	1.9	0.3	1.3	
	RES. DIR. (TENS OF DEGS.)	16	01	23	16	18	20	16	14	11	13	06	31	16	
	MEAN SPEED (MPH)	7.2	7.6	8.8	8.0	8.5	6.1	5.6	6.3	6.5	5.7	6.6	6.0	6.9	
	PREVAIL.DIR.(TENS OF DEGS.)	17	10	18	16	17	20	20	14	08	15	14	18	17	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	36	36	49	33	39	33	29	25	26	24	24	26	49	
	DIR. (TENS OF DEGS.)	29	28	31	27	31	28	16	34	14	14	30	31	31	
	DATE OF OCCURRENCE	29	26	30	10	21	06	15	10	19	30	06	21	MAR 30	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	47	44	63	43	48	46	41	33	33	40	31	33	63	
DIR. (TENS OF DEGS.)	29	28	30	26	32	29	06	16	15	24	18	31	30		
DATE OF OCCURRENCE	29	26	30	10	21	06	11	26	19	01	17	21	MAR 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.76	2.68	3.58	3.18	2.65	7.75	2.18	0.18	9.31	7.02	5.18	4.98	53.45	
	GREATEST 24-HOUR (IN.)	1.89	1.64	1.95	2.21	1.07	3.58	1.36	0.18	4.59	3.07	2.75	2.79	4.59	
	DATE OF OCCURRENCE	12-13	09-10	30-31	10-11	15-16	06	26	13-14	28-29	30-31	22-23	21	SEP 28-29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	10	11	6	6	9	6	3	2	7	12	10	7	89	
PRECIPITATION 0.10	5	6	4	4	6	6	3	1	4	7	5	4	55		
PRECIPITATION 1.00	2	1	1	1	0	2	1	0	4	3	2	2	19		
SNOWFALL	SNOW,ICE PELLETS,HAIL	0.1	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.1	
	TOTAL (IN.)	0.1	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.1	
	GREATEST 24-HOUR (IN.)	15		30									07	JAN 15	
	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 SHREVEPORT (KSHV)

LATITUDE:
32° 26'N

LONGITUDE:
93° 49'W

ELEVATION (FT):
GRND: 254 BARO: 274

TIME ZONE:
CENTRAL (UTC -6)

WBAN: 13957

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	57.3	61.5	69.5	76.9	83.8	90.1	93.4	94.1	88.2	78.2	67.5	58.5	76.6
	MEAN DAILY MAXIMUM	84	56.7	59.9	68.7	76.3	83.6	89.9	93.6	93.9	87.6	78.8	66.7	58.8	76.2
	HIGHEST DAILY MAXIMUM	61	84	89	92	94	102	104	107	109	109	97	88	84	109
	YEAR OF OCCURRENCE		1972	1986	1974	1987	1998	2011	1998	2011	2000	2002	1984	2005	AUG 2011
	MEAN OF EXTREME MAXS.	84	76.8	79.2	84.1	87.3	92.0	96.2	99.2	100.3	97.0	90.8	82.8	76.9	88.6
	NORMAL DAILY MINIMUM	30	36.2	39.7	46.3	53.6	62.7	69.5	72.7	72.1	65.6	54.6	45.2	37.7	54.7
	MEAN DAILY MINIMUM	84	37.2	39.5	46.7	54.5	63.1	69.7	73.1	72.5	66.1	55.3	44.9	38.8	55.1
	LOWEST DAILY MINIMUM	61	3	12	17	31	39	52	58	53	42	28	16	5	3
	YEAR OF OCCURRENCE		1962	1978	2002	1989	2013	1977	1972	1992	1984	1993	1976	1989	JAN 1962
	MEAN OF EXTREME MINS.	84	19.4	23.8	29.2	38.3	49.5	60.3	66.8	64.5	52.6	38.7	28.4	21.7	41.1
	NORMAL DRY BULB	30	46.8	50.6	57.9	65.2	73.2	79.8	83.0	83.1	76.9	66.4	56.4	48.1	65.6
	MEAN DRY BULB	84	46.9	49.7	57.7	65.4	73.4	79.9	83.4	83.2	76.9	67.1	55.8	48.8	65.7
	MEAN WET BULB	30	40.9	44.1	50.2	57.4	65.6	71.4	73.7	72.9	67.4	58.6	50.1	42.9	57.9
	MEAN DEW POINT	30	38.5	41.6	47.5	55.1	64.2	70.2	72.4	71.4	65.7	56.9	48.1	40.5	56.0
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.3	3.9	17.2	25.7	25.6	13.7	1.3	0.0	0.0	87.7
	MAXIMUM <= 32	30	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
	MINIMUM <= 32	30	11.2	5.8	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.1	2.7	10.0	31.8
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	570	410	251	86	7	0	0	0	6	80	285	531	2226
	NORMAL COOLING DEG. DAYS	30	4	6	31	94	263	444	559	561	363	124	25	7	2481
RH	NORMAL (PERCENT)	30	73	70	68	70	75	75	73	72	72	74	76	75	73
	HOURLY 00 LST	30	79	77	76	80	85	86	85	84	84	84	83	81	82
	HOURLY 06 LST	30	85	84	85	88	92	92	92	92	91	91	88	86	89
	HOURLY 12 LST	30	63	59	56	56	61	60	58	56	57	56	61	63	59
	HOURLY 18 LST	30	66	58	55	55	62	61	59	58	61	65	70	69	62
S	PERCENT POSSIBLE SUNSHINE	50	52	56	58	60	64	71	75	75	70	68	60	54	64
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	50	2.9	1.9	1.1	1.3	0.9	0.4	0.3	0.3	0.9	2.0	2.7	2.7	17.4
	THUNDERSTORMS	66	2.4	3.0	5.0	5.5	6.9	7.6	8.3	6.5	3.9	2.8	3.0	2.5	57.4
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR	1	6.0	5.0	10.0		6.0	7.0							
	PARTLY CLOUDY			2.0	3.0		7.0	8.0							
	CLOUDY	1	3.0	2.0	7.0		3.0	4.0							
PR	MEAN STATION PRESSURE(IN)	30	29.87	29.83	29.75	29.69	29.68	29.67	29.72	29.71	29.71	29.74	29.83	29.86	29.76
	MEAN SEA-LEVEL PRES. (IN)	30	30.15	30.10	30.03	29.97	29.95	29.94	29.99	29.97	29.98	30.05	30.10	30.14	30.03
WINDS	MEAN SPEED (MPH)	30	8.1	8.5	8.8	8.7	7.7	6.6	6.1	5.6	6.3	6.4	7.4	7.7	7.3
	PREVAIL.DIR(TENS OF DEGS)	39	19	19	17	19	19	19	19	19	01	15	17	15	19
	MAXIMUM 2-MINUTE: SPEED (MPH)	18	38	43	54	45	63	48	41	41	40	38	41	43	63
	DIR. (TENS OF DEGS)		28	34	29	26	32	28	15	04	03	31	18	32	32
	YEAR OF OCCURRENCE		1999	2001	1999	1999	2000	2004	1998	2011	2005	2009	2004	2002	MAY 2000
	MAXIMUM 3-SECOND SPEED (MPH)	18	47	56	68	55	81	59	67	59	56	51	52	51	81
	DIR. (TENS OF DEGS)		29	25	31	26	32	30	18	34	17	27	19	31	32
	YEAR OF OCCURRENCE		2013	2009	1999	1999	2000	2004	1998	1997	2008	2009	2004	2012	MAY 2000
PRECIPITATION	NORMAL (IN)	30	4.20	4.75	4.14	4.19	4.93	5.40	3.65	2.73	3.16	4.96	4.53	4.77	51.41
	MAXIMUM MONTHLY (IN)	61	12.96	8.57	8.72	21.84	11.78	17.11	10.64	9.23	9.59	20.35	10.81	10.00	21.84
	YEAR OF OCCURRENCE		1999	1983	1997	1991	1967	1989	2007	1991	1968	2009	1987	1982	APR 1991
	MINIMUM MONTHLY (IN)	61	0.27	0.42	0.56	0.43	0.15	0.13	0.15	0.18	0.08	0.00	0.52	0.41	0.00
	YEAR OF OCCURRENCE		1971	1999	1966	1987	1998	1988	1964	2013	1994	1963	1999	2010	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	61	7.00	3.53	4.42	10.44	10.76	7.28	4.96	4.64	5.52	6.42	6.51	3.94	10.76
	YEAR OF OCCURRENCE		1999	1965	2012	1991	2008	1993	2007	1955	2005	2009	1987	2001	MAY 2008
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.0	9.1	9.2	7.6	9.5	9.2	8.1	6.4	6.9	8.0	8.7	9.6	101.3
	PRECIPITATION >= 1.00	30	1.4	1.8	1.4	1.1	1.3	1.6	0.9	1.0	1.1	1.7	1.7	1.6	16.6
SNOWFALL	NORMAL (IN)	30	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0
	MAXIMUM MONTHLY (IN)	61	5.9	5.4	4.0	0.3	T	0.0	0.0	T	0.0	T	1.3	5.4	5.9
	YEAR OF OCCURRENCE		1978	2010	1965	1987	1994			1997		2010	1980	1983	JAN 1978
	MAXIMUM IN 24 HOURS (IN)	61	5.6	4.4	4.0	0.3	T	0.0	0.0	T	0.0	T	1.3	5.4	5.6
	YEAR OF OCCURRENCE		1982	1985	1965	1987	1994			1997		2010	1980	1983	JAN 1982
	MAXIMUM SNOW DEPTH (IN)	65	9	4	2	0	0	0	0	0	0	0	1	3	9
	YEAR OF OCCURRENCE		1948	2010	1965								1980	1963	JAN 1948
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	

PRECIPITATION (inches) 2013 SHREVEPORT (KSHV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	2.10	5.66	3.58	2.52	5.86	3.56	2.20	0.87	2.61	12.05	4.46	2.88	48.35
1985	2.38	4.42	4.28	3.05	1.96	4.57	8.40	0.35	4.40	9.87	4.25	3.37	51.30
1986	0.49	3.48	0.75	3.50	6.60	14.67	2.92	1.68	3.51	6.63	9.19	4.69	58.11
1987	2.26	7.80	1.48	0.43	6.67	5.43	1.21	3.50	0.94	5.49	10.81	8.12	54.14
1988	2.06	3.59	3.89	3.45	0.42	0.13	3.12	3.52	1.61	4.44	5.44	4.71	36.38
1989	7.20	4.06	3.41	2.41	10.07	17.11	4.46	3.94	1.08	1.50	2.32	3.34	60.90
1990	10.02	6.92	4.90	4.29	10.48	2.56	3.53	2.88	2.93	4.33	8.81	3.99	65.64
1991	7.70	5.13	2.89	21.84	10.71	2.53	3.47	9.23	3.45	3.59	3.94	7.51	81.99
1992	4.63	6.41	5.94	3.26	2.81	3.95	3.36	1.24	5.15	4.13	4.69	5.84	51.41
1993	4.63	4.80	5.94	4.19	3.30	15.73	0.27	4.09	3.51	4.43	4.85	1.44	57.18
1994	3.63	5.02	3.67	3.67	5.85	2.81	6.43	3.80	0.08	9.14	2.50	8.00	54.60
1995	5.44	3.75	4.05	7.80	3.26	1.09	5.68	0.83	3.36	1.65	1.94	5.11	43.96
1996	2.12	0.64	2.33	3.86	0.93	6.50	5.70	5.78	7.17	1.66	5.87	2.24	44.80
1997	4.47	8.09	8.72	11.93	3.19	6.14	1.73	5.48	2.41	7.50	3.44	6.10	69.20
1998	5.84	7.19	4.28	0.79	0.15	1.35	2.84	3.83	7.79	5.72	4.58	6.24	50.60
1999	12.96	0.42	5.10	7.88	3.96	7.98	2.80	1.47	4.90	3.21	0.52	3.82	55.02
2000	2.60	2.31	7.90	5.67	10.76	7.32	1.05	T	1.13	1.65	9.93	7.56	57.88
2001	5.76	6.52	6.47	0.86	4.31	7.33	1.75	4.10	6.84	5.17	4.16	6.10	59.37
2002	2.40	3.03	5.47	2.66	2.47	2.31	3.38	1.50	1.37	6.56	3.53	8.36	43.04
2003	0.44	7.66	2.19	2.12	2.04	4.61	3.07	3.19	2.93	1.92	2.81	3.61	36.59
2004	4.39	7.91	5.29	5.17	4.56	12.42	0.72	2.98	3.61	5.94	7.17	2.78	62.94
2005	4.37	3.76	1.91	4.59	0.73	0.38	4.60	3.27	5.66	1.41	1.06	1.24	32.98
2006	5.36	4.91	5.07	2.24	1.21	2.64	4.74	0.62	2.97	3.99	3.21	5.36	42.32
2007	7.64	3.32	2.09	1.64	4.26	6.00	10.64	0.61	1.32	2.36	3.06	4.58	47.52
2008	2.65	4.96	3.25	2.62	11.56	3.85	1.08	5.73	3.84	1.41	4.98	3.14	49.07
2009	2.13	1.63	6.48	3.97	7.44	1.22	6.49	1.69	2.58	20.35	1.42	4.64	60.04
2010	3.09	3.38	3.20	2.98	1.93	2.84	5.91	0.85	0.12	1.06	4.96	0.41	30.73
2011	4.37	2.82	1.84	2.85	2.47	1.62	1.85	0.51	1.05	1.56	4.25	7.88	33.07
2012	3.19	3.56	7.94	3.40	1.10	5.15	5.73	3.62	7.36	4.12	0.85	5.66	51.68
2013	4.76	2.68	3.58	3.18	2.65	7.75	2.18	0.18	9.31	7.02	5.18	4.98	53.45
POR= 84 YRS	4.42	4.05	4.14	4.41	4.73	3.99	3.61	2.63	3.02	3.74	4.22	4.56	47.52

WBAN : 13957

AVERAGE TEMPERATURE (°F) 2013 SHREVEPORT (KSHV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	40.6	50.4	58.0	64.9	72.1	79.3	81.1	82.1	75.0	70.6	56.4	60.0	65.9
1985	40.0	46.2	61.4	67.0	72.8	79.3	83.1	84.8	76.3	68.5	61.5	44.2	65.4
1986	49.0	54.4	59.7	66.5	72.3	79.9	83.7	80.8	79.4	65.2	55.6	46.1	66.1
1987	44.8	51.7	55.7	64.2	75.3	79.1	82.3	85.3	76.7	64.1	56.1	50.2	65.5
1988	42.2	49.3	56.3	65.2	71.8	79.8	83.3	83.7	77.8	64.1	58.6	49.2	65.1
1989	51.5	45.8	56.7	65.6	73.8	76.7	81.2	81.0	73.7	66.5	58.6	40.8	64.3
1990	52.5	56.4	59.4	65.6	72.6	82.7	82.2	83.3	79.7	65.0	58.9	48.5	67.2
1991	44.2	52.0	60.0	68.6	75.3	80.6	82.6	81.2	75.7	68.7	52.1	51.2	66.0
1992	47.2	54.7	59.5	65.1	71.4	78.5	82.9	78.6	76.0	67.0	52.0	49.5	65.2
1993	46.4	49.3	55.2	61.3	70.7	80.2	84.6	84.8	77.3	64.4	52.0	49.1	64.6
1994	46.4	51.2	58.0	66.7	70.9	81.4	82.1	81.1	76.3	67.0	60.0	51.1	66.0
1995	48.1	53.1	59.4	64.6	73.9	79.0	84.2	86.6	77.3	66.2	55.0	49.1	66.4
1996	46.2	52.4	53.4	63.8	77.0	78.3	82.3	80.0	74.1	66.0	55.7	51.5	65.1
1997	45.6	51.2	61.4	60.3	70.3	78.1	83.6	81.0	78.2	66.8	51.9	46.0	64.5
1998	51.7	51.6	56.1	63.5	77.3	84.9	88.5	84.6	81.7	68.5	58.0	49.3	68.0
1999	51.6	57.0	56.4	69.4	72.0	79.8	82.9	85.9	75.3	65.5	58.8	49.6	67.0
2000	50.4	57.2	61.7	63.6	75.8	79.1	83.9	86.9	78.1	67.8	52.6	39.8	66.4
2001	43.4	53.2	53.4	69.2	74.6	79.0	84.5	82.3	74.6	63.3	59.6	51.1	65.7
2002	48.9	47.0	55.4	69.2	72.9	79.7	83.1	83.6	79.7	66.6	53.0	48.2	65.6
2003	45.4	47.5	56.4	66.4	75.6	78.9	82.5	83.6	75.5	67.9	59.7	48.1	65.6
2004	48.4	46.7	62.5	65.4	74.5	79.0	82.2	80.2	78.4	73.3	58.6	48.9	66.5
2005	51.0	53.7	58.1	64.9	72.9	82.3	84.2	86.1	83.3	67.6	60.7	48.8	67.8
2006	55.0	48.7	61.1	70.9	75.4	81.0	85.4	86.4	77.1	67.1	57.7	51.3	68.1
2007	46.8	50.6	64.2	63.4	75.1	81.3	81.4	86.3	80.4	69.7	58.5	51.8	67.5
2008	45.5	52.9	59.8	64.8	73.2	81.2	84.2	82.6	74.6	65.0	54.9	48.3	65.6
2009	47.8	54.4	58.0	64.2	73.1	81.4	84.0	81.5	76.0	63.1	58.1	44.9	65.5
2010	43.9	43.0	54.7	67.1	77.4	84.7	83.9	87.8	81.8	67.9	56.9	48.0	66.4
2011	44.5	50.5	60.3	70.8	73.4	85.5	88.1	91.5	78.7	67.4	58.8	48.8	68.2
2012	53.5	55.6	67.4	69.4	76.7	82.3	84.1	83.7	77.6	65.4	56.8	52.7	68.8
2013	49.4	51.3	55.4	63.8	72.2	81.4	82.0	85.0	81.8	67.7	52.8	47.1	65.8
POR= 84 YRS	46.9	49.7	57.7	65.4	73.4	79.9	83.4	83.2	76.9	67.1	55.8	48.8	65.7

HEATING DEGREE DAYS (base 65°F) 2013 SHREVEPORT (KSHV)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	0	19	36	286	208	770	528	151	42	1	0	2041
1985-86	0	0	11	49	174	638	490	331	176	44	1	0	1914
1986-87	0	0	0	86	299	579	618	366	286	117	0	0	2351
1987-88	0	0	0	79	279	456	701	453	278	54	1	0	2301
1988-89	0	0	0	76	218	482	418	535	295	93	2	0	2119
1989-90	0	0	17	85	244	743	382	243	216	92	3	0	2025
1990-91	0	0	6	126	208	509	634	357	197	26	6	0	2069
1991-92	0	0	9	36	401	422	544	297	185	84	23	0	2001
1992-93	0	0	2	33	381	480	569	435	307	154	3	0	2364
1993-94	0	0	5	132	404	490	577	392	239	81	20	0	2340
1994-95	0	0	5	74	179	440	528	334	224	80	10	0	1874
1995-96	0	0	10	56	311	507	576	387	372	115	2	0	2336
1996-97	0	0	10	59	277	427	604	383	133	157	5	0	2055
1997-98	0	0	0	95	392	580	406	368	324	88	0	0	2253
1998-99	0	0	0	37	215	501	422	250	261	41	1	0	1728
1999-00	0	0	2	79	189	477	462	247	149	103	0	0	1708
2000-01	0	0	10	70	388	774	662	332	352	35	0	0	2623
2001-02	0	0	5	118	175	441	515	497	317	48	9	0	2125
2002-03	0	0	0	48	363	525	598	483	262	49	0	0	2328
2003-04	0	0	1	32	206	516	518	524	113	75	7	0	1992
2004-05	0	0	0	15	196	496	446	328	231	50	19	0	1781
2005-06	0	0	0	90	204	501	309	453	179	16	0	0	1752
2006-07	0	0	0	73	238	424	565	399	111	118	0	0	1928
2007-08	0	0	0	59	233	424	610	353	206	88	10	0	1983
2008-09	0	0	0	89	298	516	536	311	258	103	2	0	2113
2009-10	0	0	0	128	210	617	654	611	316	35	2	0	2573
2010-11	0	0	0	36	282	525	628	422	196	31	27	0	2147
2011-12	0	0	0	68	246	495	352	302	58	14	0	0	1535
2012-13	0	0	2	100	258	393	485	376	306	123	38	0	2081
2013-	0	0	0	38	373	559							

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COOLING DEGREE DAYS (base 65°F) 2013 SHREVEPORT (KSHV)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	5	38	83	235	436	511	540	329	219	35	61	2492
1985	0	8	49	109	252	436	568	620	356	163	78	0	2639
1986	2	41	17	95	236	454	586	494	438	101	24	0	2488
1987	1	0	7	99	327	431	544	634	357	57	19	5	2481
1988	3	3	14	67	220	449	575	587	390	53	37	1	2399
1989	8	7	43	121	283	358	508	503	286	140	57	0	2314
1990	2	9	50	115	244	538	536	572	453	132	30	3	2684
1991	0	1	47	141	334	475	550	509	336	158	20	5	2576
1992	0	4	21	93	227	412	561	428	339	99	1	4	2189
1993	0	0	10	50	189	461	614	620	381	121	20	4	2470
1994	3	12	29	141	209	500	538	506	355	145	36	13	2487
1995	11	6	58	72	290	427	600	676	385	100	16	19	2660
1996	3	31	23	85	384	403	543	471	291	96	6	16	2352
1997	9	4	29	25	180	398	583	504	399	157	6	0	2294
1998	1	0	56	50	392	602	737	613	508	152	15	22	3148
1999	12	29	0	180	224	451	562	655	317	101	9	6	2546
2000	15	28	55	67	341	429	593	689	409	166	22	0	2814
2001	0	12	2	166	308	426	611	542	301	69	23	16	2476
2002	22	0	26	179	264	451	570	584	446	106	11	9	2668
2003	0	1	5	98	335	423	552	582	320	128	54	0	2498
2004	11	0	44	93	310	423	540	478	406	280	10	2	2597
2005	19	20	24	58	270	525	600	662	558	175	81	7	2999
2006	4	1	67	199	331	487	639	669	371	145	28	6	2947
2007	9	4	93	79	320	497	514	669	467	212	44	19	2927
2008	10	9	50	88	271	495	601	555	293	95	4	4	2475
2009	10	19	47	85	261	499	592	518	337	76	7	0	2451
2010	4	0	4	102	394	598	594	714	510	132	46	5	3103
2011	0	22	60	211	296	623	725	830	418	151	68	0	3404
2012	4	35	138	150	369	527	599	585	389	120	18	20	2954
2013	8	0	17	94	268	498	531	629	516	131	14	11	2717

SNOWFALL (inches) 2013 SHREVEPORT (KSHV)

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	0.0	0.4	4.4	0.0	0.0	0.0	0.0	4.8
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T	0.3	0.0	0.0	0.3
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.8	0.0	0.0	0.0	0.0	2.0
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	T	0.0	T
1989-90	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	T	T	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	T	T	0.0	T	T	1.0	T	0.0	0.0	1.0
1993-94	0.0	0.0	0.0	0.0	0.0	T	0.0	0.4	T	T	T	0.0	0.4
1994-95	0.0	0.0	0.0	0.0	T	0.0	T	T	0.0	T	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	T	0.4			0.0	0.0	
1996-97	0.0	0.0	0.0	0.0	0.0	0.3	0.1	T	0.0	T	0.0	0.0	0.4
1997-98	0.0	T	0.0	0.0	T	0.0	T	T	T	0.0	0.0	0.0	T
1998-99	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	T	0.0	0.0	0.0	0.1
1999-00	0.0	0.0	0.0	0.0	0.0	T	1.1	T	T	T	T	0.0	1.1
2000-01	0.0	0.0	0.0	0.0	T	2.2	T	0.0	0.0	0.0	T	0.0	2.2
2001-02	0.0	0.0	0.0	0.0	T	T	T	T	T	0.0	0.0	0.0	T
2002-03	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
2003-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	T
2004-05	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T	0.0	0.0	0.0	T
2005-06	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
2006-07	0.0	0.0	0.0	0.0	0.0	0.0	0.1	T	T	0.0	0.0	0.0	0.1
2007-08	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	T
2008-09	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
2009-10	0.0	0.0	0.0	0.0	0.0	T	0.3	5.4	0.1	0.0	0.0	0.0	5.8
2010-11	0.0	0.0	0.0	T	0.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0	5.0
2011-12	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
2012-13	0.0	0.0	0.0	0.0	0.0	T	0.1	0.0	T	0.0	0.0	0.0	0.1
2013-	0.0	0.0	0.0	0.0	0.0	T							
POR= 84 YRS	0.0	T	0.0	T	T	0.2	0.8	0.4	0.1	T	T	0.0	1.5

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REFERENCE NOTES :

PAGE 1:
THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:

H/C INDICATES HEATING AND COOLING DEGREE DAYS.

RH INDICATES RELATIVE HUMIDITY

W/O INDICATES WEATHER AND OBSTRUCTIONS

S INDICATES SUNSHINE.

PR INDICATES PRESSURE.

CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

GENERAL:

T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.

+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.

BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.

PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.

POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.

WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.

0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.

CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET

CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.

GENERAL CONTINUED:

WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.

RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.

AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.

SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN

PRECIPITATION, INCLUDING HAIL.

A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.

DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.

DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.

WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO 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.

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.

2013

SHREVEPORT

LOUISIANA (KSHV)

Shreveport is located on the west side of the Red River, opposite Bossier City, in the northwestern section of Louisiana, some 30 miles south of Arkansas and 15 miles east of Texas. A portion of the city is situated in the Red River bottom lands and the remainder in gently rolling hills that begin about 1 mile west of the river. The NOAA National Weather Service Office is at the Shreveport Regional Airport, about 8 miles southwest of the downtown area. Elevations in the Shreveport area range from about 170 to 280 feet above sea level.

The climate of Shreveport is transitional between the subtropical humid type prevalent to the south and the continental climates of the Great Plains and Middle West to the north. During winter, masses of moderate to severely cold air move periodically through the area. The spring and fall seasons are usually mild, while the summer months are consistently quite warm and humid with high pressure and a moist southerly flow being the dominant feature. Rainfall is abundant with the normal annual just over 46 inches, with monthly averages ranging less than 3 inches in August to more than 5 inches in May. The average growing season for northwest Louisiana ranges between 230 and 240 days in length.

The majority of rainfall is of convective and air mass types-showery and brief-except during winter when nearly continuous frontal rains may persist for a few days. Extremes of precipitation occur in all seasons. While torrential rainfall is the exception in the Shreveport area, some heavy rainfall events of notes are 12.44 inches in a 24-hour period on July 24-25, 1933, and 19.08 inches over a three-day period on July 23-25, 1933. The July 1933 total of 25.44 inches was the greatest monthly total. The greatest annual rainfall of record was in 1991 with 81.99 inches, and the driest year of record was 1899 with 23.10 inches. The months with the fewest days of rain are August and October, with August having the least average precipitation.

The winter months are normally mild with cold spells generally of short duration. The typical pattern is turning cold one day, reaching the lowest temperature on the second day, and a warming trend on the third day. The coldest reading on record is -5 degrees F on February 12, 1899. Temperatures of freezing or below occur each winter with an average of 39 days during the year. Temperatures drop below 15 degrees F only about one out of every two winters. The average date of the first 32 degrees F in the fall is November 15 and the average date of the last freeze in the spring is March 10. Freezing temperatures have been recorded as early as October 19 and as late as April 11. Temperatures recorded at the NWS Office on clear, calm nights are normally 2 to 5 degrees warmer than those in the low-lying river bottom lands of the area.

Measurable snowfall amounts occur on an average of only once every other year; many consecutive years may pass with no measurable snowfall. The heaviest snowstorm of record in the Shreveport area is 11.0 inches in December of 1929. This fell on the 21st and 22nd, and one-half inch remained on the ground December 25th, making this the only Christmas Day of record with snow on the ground. In 1948, 12.4 inches of snow was measured for the month of January for the greatest monthly amount on record. Occasional ice and sleet storms do considerable damage to trees, power and telephone lines, as well as make travel very difficult.

The summer months are consistently quite warm, with maximum temperatures exceeding 100 degrees about 6 days per year, exceeding 95 degrees about 32 days per year, and exceeding 90 degrees about 87 days per year. The highest temperature on record is 110 degrees F on August 18, 1909. Showers and thunderstorms at any one location in the area give about eight days in a month of measurable rainfall. The resulting point rainfall totals are usually less than one-half inch except on two or three days per month when heavier amounts are recorded.

Thunderstorms occur each month, but are most frequent in spring and summer months. The showers and thunderstorms during the spring and autumn months are most often produced by squall lines and fronts, and are generally heavier than the air mass showers which occur in the summer months. Severe local storms, including hailstorms, tornadoes, and local windstorms have occurred over small areas in all seasons, but are most frequent during the spring months, with a secondary peak from November to early January. large hail of a damaging nature is infrequent, although hail as large as grapefruit fell in March 1961, and baseball size hail fell in May 1974 and April 1995.

The average relative humidity is rather high in all seasons. These high humidity values may be experienced at any hour but occur mainly during the early morning hours, with two-thirds of the hours shortly before sunrise having relative humidity of 90 percent or higher. In contrast, more than half of the mid-afternoon hours have had relative humidity values of less than 50 percent.

Tropical cyclones are in the dissipating stages by the time they reach this portion of the state and winds from them are usually not a destructive factor. rainfall accompanying these systems can be heavy and can contribute to local flooding.

Station History

SHREVEPORT, LA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
SHREVEPORT REGIONAL AP	2006-02-13	2009-03-13	32° 26'	-93° 49'	254		AIRSAMPLE, ASOS, COOP
SHREVEPORT REGIONAL AP	1975-07-31	1981-12-31	32° 28'	-93° 49'	254		COOP, WXSVC
SHREVEPORT REGIONAL AP	2005-01-28	2006-02-13	32° 26'	-93° 49'	254		ASOS, COOP
SHREVEPORT REGIONAL AP	1952-01-01	1952-07-06	32° 28'	-93° 49'	254		AIRWAYS, COOP, UPPERAIR
SHREVEPORT MUNICIPAL AP	1952-07-06	1969-01-01	32° 28'	-93° 49'	254		AIRWAYS, COOP, UPPERAIR
SHREVEPORT REGIONAL AP	1971-04-01	1975-07-31	32° 28'	-93° 49'	254		COOP, UPPERAIR, WXSVC
SHREVEPORT REGIONAL AP	1995-10-01	2002-06-03	32° 26'	-93° 49'	254	.7 MI W	ASOS, COOP
SHREVEPORT REGIONAL AP	2009-03-13	Present	32° 26'	-93° 49'	254		AIRSAMPLE, ASOS, COOP
SHREVEPORT REGIONAL AP	1934-01-01	1945-10-01	32° 33'	-93° 46'			AIRWAYS
SHREVEPORT REGIONAL AP	1945-10-01	1948-08-01	32° 33'	-93° 46'	194		AIRWAYS, COOP
SHREVEPORT MUNICIPAL AP	1969-01-01	1971-04-01	32° 28'	-93° 49'	254		COOP, UPPERAIR, WXSVC
SHREVEPORT REGIONAL AP	1948-08-01	1952-01-01	32° 33'	-93° 46'	194		AIRWAYS, COOP, UPPERAIR
SHREVEPORT REGIONAL AP	1981-12-31	1995-10-01	32° 28'	-93° 49'	254		COOP
SHREVEPORT REGIONAL AP	2002-06-03	2005-01-28	32° 26'	-93° 49'	254		ASOS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1934-01-01	1952-08-01	DAILY	2400	UNIV	RCRD	
TEMP	1934-01-01	1952-08-01	DAILY	2400			
PRECIP	1988-07-01	1995-07-01	DAILY	2400	UNIV	RCRD	
TEMP	1995-07-01	1995-10-01	DAILY	2400	HYGR		
PRECIP	1995-10-01	2002-06-03	HOURLY	2400			
TEMP	1995-10-01	2002-06-03	DAILY	2400	HYGR		
PRECIP	2005-01-28	Present	DAILY	2400	PCPNX		
TEMP	2002-06-03	2005-01-28	DAILY	2400	HYGR		
TEMP	1952-08-01	1988-07-01	DAILY	2400			
PRECIP	1952-08-01	1988-07-01	DAILY	2400	UNIV	RCRD	
TEMP	1988-07-01	1995-07-01	DAILY	2400	HYGR		
TEMP	2005-01-28	Present	DAILY	2400	HYGR		
PRECIP	1952-08-01	1988-07-01	HOURLY	2400			
PRECIP	1995-07-01	1995-10-01	DAILY	2400	UNIV	RCRD	
PRECIP	2002-06-03	2005-01-28	DAILY	2400	PCPNX		
PRECIP	2002-06-03	2005-01-28	HOURLY	2400			
PRECIP	1995-10-01	2002-06-03	DAILY	2400	TB	RCRD	
PRECIP	2005-01-28	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1988-07-01	1995-07-01	HOURLY	2400			
PRECIP	1995-07-01	1995-10-01	HOURLY	2400	UNIV	RCRD	

* 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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