

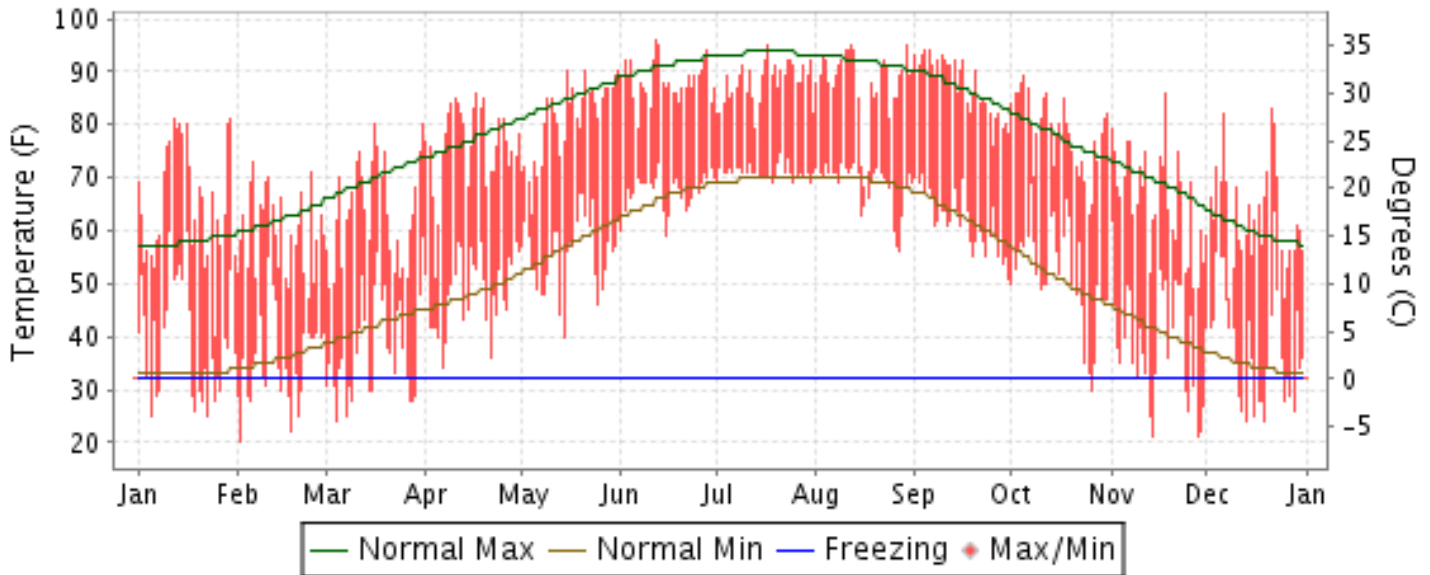


# 2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

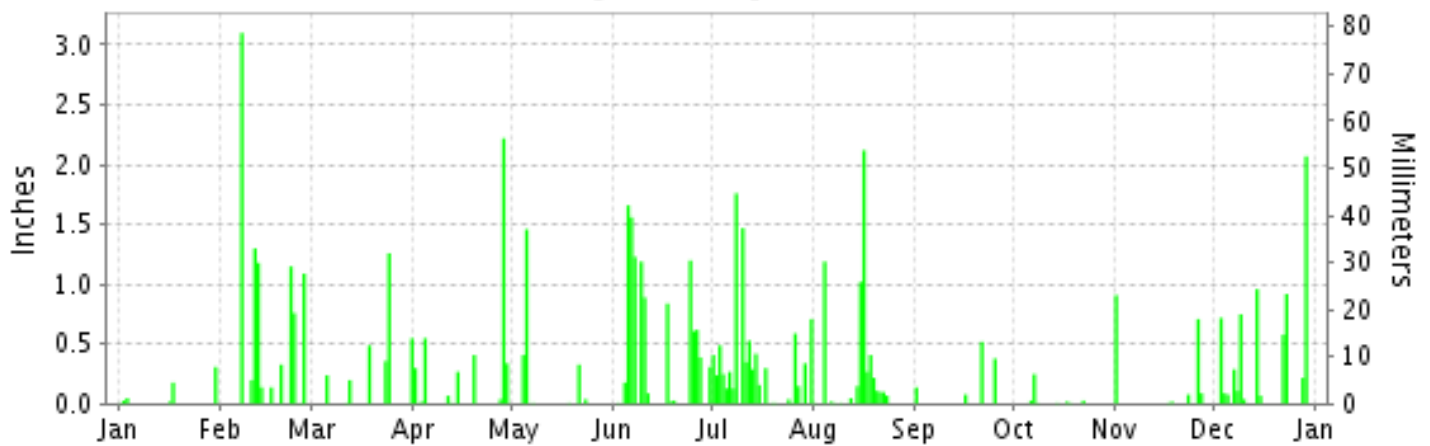
ISSN 0198-1587

## AUGUSTA, GEORGIA (KAGS)

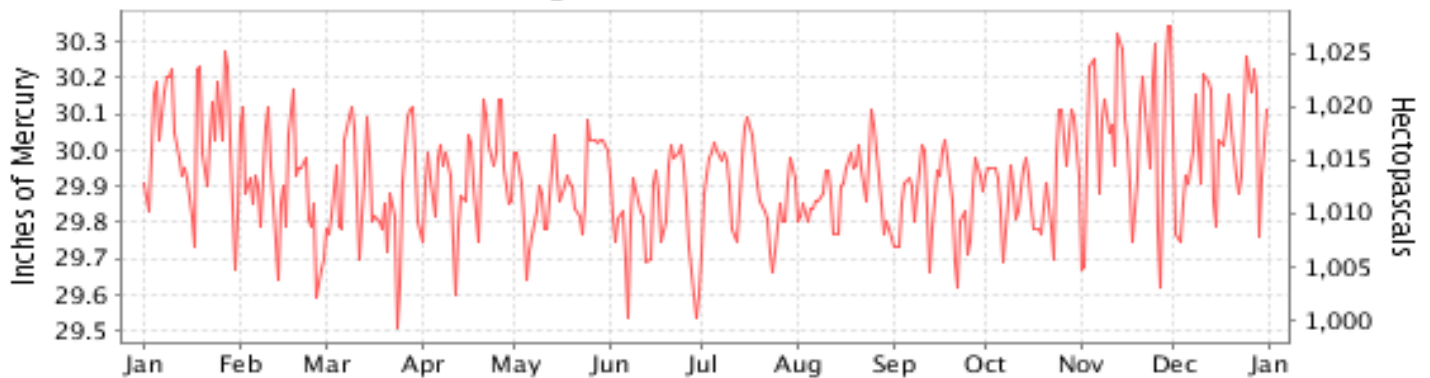
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2013

## AUGUSTA (KAGS)

LATITUDE:  
33° 21'N

LONGITUDE:  
81° 57'W

ELEVATION (FT):  
GRND: 132 BARO: 163

TIME ZONE:  
EASTERN (UTC -5)

WBAN: 03820

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	65.4	59.8	63.8	76.2	81.0	88.2	87.9	87.7	87.2	78.4	65.9	62.5	75.3	
	HIGHEST DAILY MAXIMUM	81	73	80	86	90	96	95	95	94	89	86	83	96	
	DATE OF OCCURRENCE	30+	06	31+	17	31+	12	17	29+	05+	05	18	21	JUN 12	
	MEAN DAILY MINIMUM	39.4	35.5	37.9	48.5	55.8	67.4	71.0	68.6	61.8	51.9	38.7	38.0	51.2	
	LOWEST DAILY MINIMUM	25	20	24	34	40	59	69	56	51	30	21	24	20	
	DATE OF OCCURRENCE	23+	02	04	06	14	15	30+	27	30	26	28+	19+	FEB 02	
	AVERAGE DRY BULB	52.4	47.6	50.9	62.4	68.4	77.8	79.5	78.2	74.5	65.2	52.3	50.3	63.3	
	MEAN WET BULB	46.5		43.1	56.3	61.3		73.9	72.4	67.3		46.4	46.7		
	MEAN DEW POINT	40.0		32.9	50.9	56.0		72.3	70.3	63.9		39.8	42.2		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	3	8	11	14	15	0	0	0	0	51
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	12	11	12	0	0	0	0	0	0	1	9	11	56	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	399	479	435	112	35	0	0	0	0	76	383	458	2377	
	COOLING DEGREE DAYS	15	0	6	42	146	392	457	417	293	87	10	11	1876	
RH	MEAN (PERCENT)	68	68	55	69	69	79	84	81	75	75	68	77	72	
	HOUR 01 LST	79	81	67	88	85	94	95	94	93	93	81	88	87	
	HOUR 07 LST	86	83	69	81	76	84	89	89	85	89	82	90	84	
	HOUR 13 LST	47	48	36	49	49	61	69	62	48	47	44	53	51	
	HOUR 19 LST	69	68	56	72	68	83	90	89	85	84	72	80	76	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	0	1	0	0	0	0	0	1	0	0	2	
	THUNDERSTORMS	1	0	4	3	1	11	15	3	2	0	0	0	40	
PR	MEAN STATION PRESS. (IN.)	30.03	29.90	29.88	29.93	29.90	29.82	29.89	29.89	29.85	29.91	30.05	30.01	29.92	
	MEAN SEA-LEVEL PRESS. (IN.)	30.20	30.06	30.05	30.09	30.06	29.98	30.05	30.05	30.01	30.07	30.21	30.17	30.08	
WINDS	RESULTANT SPEED (MPH)	1.5	2.5	4.4	0.6	0.2	1.3	1.8	0.3	1.1	1.2	2.5	1.1	0.7	
	RES. DIR. (TENS OF DEGS.)	25	29	28	12	16	22	17	13	04	36	01	28	29	
	MEAN SPEED (MPH)	5.5	5.9	7.4	5.2	5.6	4.9	3.9	3.4	3.5	3.4	5.1	4.5	4.9	
	PREVAIL.DIR.(TENS OF DEGS.)	18	29	29	15	24	25	13	06	03	03	04	18	29	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	38	29	46	29	33	31	28	24	18	28	31	26	46	
	DIR. (TENS OF DEGS.)	28	31	32	13	07	21	29	17	04	30	01	29	32	
	DATE OF OCCURRENCE	30	16	18	14	21	28	26	18	28	23	12	10	MAR 18	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	51	43	58	41	45	40	37	41	24	35	40	37	58	
DIR. (TENS OF DEGS.)	29	26	30	12	05	22	18	16	05	29	01	29	30		
DATE OF OCCURRENCE	30	03	18	14	21	28	14	01	28	23	12	10	MAR 18		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.60	9.40	3.11	4.23	2.26	10.83	9.06	5.86	1.12	0.36	1.82	6.90	55.55	
	GREATEST 24-HOUR (IN.)	0.31	3.10	1.62	2.56	1.82	2.61	1.85	2.41	0.54	0.26	0.91	2.29	3.10	
	DATE OF OCCURRENCE	30	07	23-24	28-29	04-05	06-07	07-08	15-16	21-22	06-07	01	28-29	FEB 07	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	6	11	7	10	6	16	23	16	4	7	6	13	125		
PRECIPITATION 0.10	2	10	6	6	3	12	19	10	3	1	2	9	83		
PRECIPITATION 1.00	0	5	1	1	1	5	2	3	0	0	0	1	19		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	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	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

# NORMALS, MEANS, AND EXTREMES AUGUSTA (KAGS)

LATITUDE:  
33° 21'N

LONGITUDE:  
81° 57'W

ELEVATION (FT):  
GRND: 132 BARO: 163

TIME ZONE:  
EASTERN (UTC -5)

WBAN: 03820

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	57.9	62.3	69.9	77.3	85.0	91.0	93.4	91.8	86.7	77.7	69.1	60.0	76.8
	MEAN DAILY MAXIMUM	64	57.4	61.2	68.6	76.9	84.2	89.8	92.2	91.1	85.9	77.1	68.0	59.5	76.0
	HIGHEST DAILY MAXIMUM	64	82	86	91	96	99	106	107	108	101	97	90	83	108
	YEAR OF OCCURRENCE		2002	1962	2007	1986	2011	2012	1980	2007	1999	1954	1961	2013	AUG 2007
	MEAN OF EXTREME MAXS.	64	74.7	77.4	83.7	88.9	93.6	98.3	99.3	98.3	94.7	88.4	81.6	76.4	87.9
	NORMAL DAILY MINIMUM	30	32.8	35.9	42.0	48.1	57.3	66.2	69.8	69.3	62.6	51.0	41.4	34.5	50.9
	MEAN DAILY MINIMUM	64	33.4	35.8	42.3	49.1	58.1	66.0	70.0	69.3	63.2	51.0	40.8	34.9	51.2
	LOWEST DAILY MINIMUM	64	-1	0	0	26	35	47	54	52	36	22	15	5	-1
	YEAR OF OCCURRENCE		1985	1998	1998	2007	1971	1984	2008	2004	1967	1952	1970	1981	JAN 1985
	MEAN OF EXTREME MINS.	64	16.8	19.6	26.1	33.3	43.8	55.1	62.4	60.9	49.9	34.3	24.8	18.6	37.1
	NORMAL DRY BULB	30	45.4	49.1	55.9	62.7	71.1	78.6	81.6	80.5	74.6	64.4	55.2	47.2	63.9
	MEAN DRY BULB	64	45.4	48.5	55.4	63.0	71.2	78.0	81.1	80.2	74.6	64.1	54.4	47.2	63.6
	MEAN WET BULB	28	39.6	43.1	47.8	54.4	62.5	69.7	72.7	72.5	66.9	57.0	48.5	41.3	56.3
	MEAN DEW POINT	28	35.9	38.1	44.8	51.4	60.1	67.9	71.5	71.2	65.3	55.2	45.7	37.3	53.7
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.1	0.8	7.1	17.9	25.3	20.1	9.9	0.8	0.0	0.0	82.0
	MAXIMUM <= 32	30	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
	MINIMUM <= 32	30	15.4	10.3	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.6	6.0	13.5	51.3
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	610	447	296	124	19	0	0	0	7	107	308	553	2471
	NORMAL COOLING DEG. DAYS	30	1	2	15	55	210	408	515	482	296	86	16	3	2089
RH	NORMAL (PERCENT)	30	71	67	66	66	70	72	74	77	77	75	74	72	72
	HOURLY 01 LST	30	80	77	77	80	86	87	88	91	90	89	86	82	84
	HOURLY 07 LST	30	84	84	85	86	87	87	89	92	92	91	89	85	88
	HOURLY 13 LST	30	55	50	49	45	48	52	54	56	55	50	51	54	52
	HOURLY 19 LST	30	68	61	57	55	60	63	67	72	77	78	74	71	67
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISIB <= 1/4 MI)	50	3.6	2.6	2.3	2.6	2.7	1.5	1.8	3.1	3.9	4.4	3.9	4.1	36.5
	THUNDERSTORMS	64	0.9	1.5	2.8	3.6	5.9	9.1	12.0	9.4	3.2	1.1	0.8	0.6	50.9
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)				7.2		3.2	4.0	5.6	4.8		5.6		4.0	
	MIDNIGHT-MIDNIGHT (OKTAS)				6.4		4.0	4.0	4.8	4.0					
	MEAN NO. DAYS WITH: CLEAR	1	2.0	2.0	9.0		14.0	7.0	2.0	6.0	3.0	7.0	5.0	10.0	
	PARTLY CLOUDY			2.0	1.0		2.0	8.0	2.0	2.0	2.0	4.0	1.0	1.0	
	CLOUDY	2	2.5	3.0	12.0		3.0	4.0		6.0	7.0	3.0	1.0	7.0	
PR	MEAN STATION PRESSURE (IN)	30	29.98	29.94	29.90	29.85	29.85	29.83	29.86	29.85	29.87	29.91	29.97	29.99	29.90
	MEAN SEA-LEVEL PRES. (IN)	30	30.14	30.10	30.06	30.01	30.00	29.98	30.01	30.01	30.02	30.07	30.12	30.15	30.06
WINDS	MEAN SPEED (MPH)	30	6.2	6.5	6.9	6.5	5.8	5.2	5.0	4.4	4.7	4.7	5.1	5.5	5.5
	PREVAIL. DIR. (TENS OF DEGS)	38	30	30	30	19	15	14	19	15	03	02	36	30	30
	MAXIMUM 2-MINUTE: SPEED (MPH)	19	40	37	46	46	49	54	46	43	36	43	38	35	54
	DIR. (TENS OF DEGS)		26	30	32	29	23	34	32	34	00	12	18	28	34
	YEAR OF OCCURRENCE		1997	2003	2013	2005	2004	2011	2010	2010	1997	2008	2001	2000	JUN 2011
	MAXIMUM 3-SECOND SPEED (MPH)	19	54	45	58	55	74	67	69	63	45	54	58	44	74
	DIR. (TENS OF DEGS)		25	31	30	34	23	31	30	28	00	24	32	31	23
	YEAR OF OCCURRENCE		1997	2003	2013	1997	2004	2011	2010	2011	1997	2011	2011	2012	MAY 2004
PRECIPITATION	NORMAL (IN)	30	3.91	3.92	4.18	2.84	2.65	4.72	4.33	4.32	3.22	3.27	2.82	3.39	43.57
	MAXIMUM MONTHLY (IN)	63	8.91	9.40	11.92	8.43	9.61	10.83	11.43	12.28	9.51	14.82	7.76	8.97	14.82
	YEAR OF OCCURRENCE		1987	2013	1980	1961	1979	2013	1967	2012	1975	1990	1985	2009	OCT 1990
	MINIMUM MONTHLY (IN)	63	0.60	0.69	0.88	0.60	0.36	0.68	1.02	0.65	0.31	T	0.09	0.32	0.09
	YEAR OF OCCURRENCE		2013	1968	1968	1970	2000	1984	1987	1980	1984	1953	1960	1955	NOV 1960
	MAXIMUM IN 24 HOURS (IN)	63	3.61	3.69	5.31	3.96	4.44	5.08	3.71	5.98	7.30	8.57	4.39	3.24	8.57
	YEAR OF OCCURRENCE		1960	1985	1967	1955	1981	1981	1979	1964	1998	1990	2009	2008	OCT 1990
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.8	8.8	8.6	7.5	8.1	11.0	11.0	10.3	7.1	6.5	6.9	9.2	104.8
	PRECIPITATION >= 1.00	30	1.1	1.1	1.2	0.7	0.6	1.5	1.4	1.3	0.9	1.0	0.8	0.8	12.4
SNOWFALL	NORMAL (IN)	30	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9
	MAXIMUM MONTHLY (IN)	59	2.6	14.0	1.1	T	0.0	T	0.0	0.0	0.0	0.0	T	1.0	14.0
	YEAR OF OCCURRENCE		1992	1973	1980	1992		1994					1968	2010	FEB 1973
	MAXIMUM IN 24 HOURS (IN)	59	2.6	13.7	1.1	T	0.0	T	0.0	0.0	0.0	0.0	T	1.0	13.7
	YEAR OF OCCURRENCE		1992	1973	1980	1992		1994					1968	2010	FEB 1973
	MAXIMUM SNOW DEPTH (IN)	57	2	13	1	0	0	0	0	0	0	0	0	1	13
	YEAR OF OCCURRENCE		1988	1973	1980									1958	FEB 1973
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 AUGUSTA (KAGS)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	3.40	4.93	5.88	6.50	7.55	0.68	7.70	4.42	0.31	1.00	0.65	1.25	44.27
1985	3.22	6.63	1.28	0.97	1.75	2.92	3.71	1.79	0.39	6.21	7.76	1.65	38.28
1986	1.46	2.51	3.23	1.02	2.80	1.41	6.26	11.34	0.74	3.92	4.93	4.12	43.74
1987	8.91	7.23	4.27	0.77	1.57	5.75	1.02	3.99	2.04	0.18	4.06	1.38	41.17
1988	4.30	3.30	3.14	5.04	1.60	4.89	1.77	3.47	5.55	5.40	1.30	1.31	41.07
1989	1.51	3.23	4.37	5.24	2.96	8.84	8.15	3.19	3.73	2.14	1.29	4.68	49.33
1990	2.71	2.70	2.03	1.07	1.84	1.44	1.92	6.46	1.11	14.82	2.57	1.98	40.65
1991	7.50	1.97	8.51	3.15	5.76	5.57	11.12	6.98	1.36	0.57	1.39	2.53	56.41
1992	4.57	4.50	3.69	2.70	1.19	4.82	7.04	5.72	3.28	4.94	6.71	2.24	51.40
1993	5.94	3.23	7.57	1.52	1.28	1.54	2.47	2.77	3.45	4.24	1.58	2.70	38.29
1994	3.94	4.24	6.40	1.14	0.95	6.15	3.41	6.70	0.62	9.02	2.62	3.01	48.20
1995	6.54	7.00	1.02	2.09	2.70	5.44	3.82	4.92	7.01	4.24	2.20	3.60	50.58
1996	3.49	1.75	5.13	1.71	1.96	4.09	6.39	6.24	2.96	1.90	0.70	2.06	38.38
1997	3.67	4.84	2.27	3.35	1.61	3.65	5.83	2.24	5.89	5.04	5.02	6.94	50.35
1998	7.50	6.36	6.10	7.13	2.06	2.31	2.63	3.04	8.74	0.02	0.58	1.37	47.84
1999	5.57	2.52	2.73	2.02	1.19	6.43	3.68	2.27	5.43	2.81	1.12	0.97	36.74
2000	6.45	1.01	2.92	1.13	0.36	5.50	3.03	6.63	6.01	0.03	3.38	1.40	37.85
2001	2.64	1.98	7.43	0.94	3.76	4.98	5.00	1.28	3.56	0.18	0.83	0.97	33.55
2002	2.63	2.33	3.71	1.43	2.00	4.55	4.58	1.60	6.74	2.94	4.01	4.26	40.78
2003	2.00	3.72	7.02	6.35	6.32	9.99	7.00	3.75	1.87	2.72	0.77	2.02	53.53
2004	2.42	5.09	1.45	1.27	2.31	10.57	1.54	4.45	6.14	0.43	3.69	1.25	40.61
2005	2.39	5.25	5.83	2.92	4.28	7.44	5.09	4.35	1.07	3.01	1.87	3.96	47.46
2006	3.27	3.09	3.34	2.34	1.65	6.43	1.51	5.89	2.68	2.38	2.95	5.44	40.97
2007	3.04	2.82	2.24	2.59	0.82	4.77	5.25	1.82	1.44	1.17	0.41	7.51	33.88
2008	3.19	3.84	5.20	2.19	2.47	0.89	4.14	5.62	0.94	3.97	7.24	4.04	43.73
2009	1.52	3.21	4.38	4.33	4.42	3.78	3.29	2.38	3.63	5.10	5.61	8.97	50.62
2010	5.39	2.37	3.20	1.20	1.36	2.19	5.86	2.01	1.89	0.67	1.30	1.17	28.61
2011	2.11	4.31	5.45	1.93	2.50	1.98	4.02	1.16	1.56	1.47	1.63	1.28	29.40
2012	1.40	1.12	2.28	1.45	4.56	2.48	1.54	12.28	1.84	1.36	1.10	4.67	36.08
2013	0.60	9.40	3.11	4.23	2.26	10.83	9.06	5.86	1.12	0.36	1.82	6.90	55.55
POR= 64 YRS	3.79	3.99	4.45	3.03	3.28	4.28	4.51	4.27	3.28	2.57	2.38	3.33	43.16

WBAN : 03820

**AVERAGE TEMPERATURE (°F) 2013 AUGUSTA (KAGS)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	43.0	50.2	55.3	61.3	69.9	78.5	79.8	80.3	72.8	72.0	52.5	55.2	64.2
1985	42.1	48.8	58.7	65.7	73.2	80.4	81.7	80.3	75.2	70.7	64.6	44.2	65.5
1986	42.7	52.6	55.8	63.4	72.5	81.5	86.0	79.6	77.6	66.2	60.9	48.4	65.6
1987	44.6	47.3	54.8	60.6	73.1	79.2	82.5	83.8	75.8	57.8	56.5	50.4	63.9
1988	41.1	46.0	55.5	62.4	69.1	76.3	81.2	81.4	75.4	59.0	55.6	45.7	62.4
1989	50.5	50.4	57.6	62.9	69.2	78.9	80.9	80.0	74.7	65.4	55.8	41.4	64.0
1990	51.8	56.7	59.4	62.4	71.5	79.4	83.5	82.0	76.2	66.6	56.3	51.5	66.4
1991	46.8	52.3	58.5	66.4	75.3	78.5	82.3	80.5	75.1	65.0	51.9	50.4	65.3
1992	46.4	51.0	54.1	61.2	67.6	75.8	81.8	79.1	75.6	62.3	55.5	46.6	63.1
1993	50.1	46.4	53.6	60.7	72.4	81.5	86.3	82.4	77.7	65.1	55.8	45.5	64.8
1994	42.4	50.8	58.7	65.6	68.4	78.6	79.5	77.8	72.3	63.3	57.4	50.5	63.8
1995	46.1	47.8	58.0	64.2	72.3	76.0	81.3	80.8	73.1	65.6	50.5	44.5	63.4
1996	44.5	48.8	51.1	60.9	72.4	76.8	80.5	78.1	73.3	61.9	51.2	48.2	62.3
1997	47.3	51.4		59.6	66.7	74.4	80.5	78.2	74.0	63.2	51.2	46.8	
1998	49.3			62.0	74.7	81.5	83.1	79.8	75.3	65.7	58.0	51.7	
1999	48.3	50.0	51.8	66.0	68.3	76.7	81.2	83.0	72.6	63.2	56.0	46.6	63.6
2000	43.9	50.1	58.1	60.3	74.4	79.2	80.4	79.1	72.7	62.4	52.9	38.5	62.7
2001	44.0	52.5	53.1	63.8	70.8	77.0	79.3	80.4	72.5	61.4	58.9	51.5	63.8
2002	47.0	46.5	57.1	67.3	69.7	78.1	82.1	80.0	77.4	67.1	52.2	44.4	64.1
2003	41.9	48.0	58.3	62.0	71.4	76.5	79.2	79.9	72.7	63.9	57.6	42.4	62.8
2004	43.6	45.4	58.0	62.0	74.5	79.7	81.3	78.1	74.8	66.2	56.2	45.5	63.8
2005	47.8	49.7	53.5	61.0	68.2	77.9	81.9	81.7	78.0	65.9	56.3	44.9	63.9
2006	51.2	46.7	55.1	66.0	70.9	76.9	81.4	83.0	74.3	63.1	55.1	51.3	64.6
2007	49.1	47.2	59.7	62.1	70.5	78.4	79.5	85.4	77.0	69.6	54.3	52.7	65.5
2008	44.3	51.6	56.0	62.3	70.7	81.0	81.1	80.4	75.2	62.4	50.7	54.3	64.2
2009	46.6	47.4	55.6	62.1	72.3	80.3	79.9	80.3	75.1	63.2	55.7	45.6	63.7
2010	41.7	42.1	52.8	64.3	74.2	82.8	83.7	82.3	76.7	64.2	54.9	39.5	63.3
2011	41.7	51.4	57.7	67.1	72.2	82.1	84.6	84.4	75.8	60.9	55.3	50.8	65.3
2012	48.9	52.4	64.0	65.4	73.8	74.7	83.8	78.8	73.8	64.7	50.9	51.0	65.2
2013	52.4	47.6	50.9	62.4	68.4	77.8	79.5	78.2	74.5	65.2	52.3	50.3	63.3
POR= 64 YRS	45.4	48.5	55.4	63.0	71.2	78.0	81.1	80.2	74.6	64.1	54.4	47.2	63.6

**HEATING DEGREE DAYS (base 65°F) 2013 AUGUSTA (KAGS)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	0	4	16	382	296	710	451	222	75	5	0	2161
1985-86	0	0	6	28	83	639	685	342	287	112	12	0	2194
1986-87	0	5	0	82	170	513	625	491	319	177	5	0	2387
1987-88	0	0	0	220	266	448	732	545	294	102	12	0	2619
1988-89	0	0	1	209	282	594	441	411	258	153	41	0	2390
1989-90	0	0	8	97	282	722	403	244	202	118	11	0	2087
1990-91	0	0	7	93	263	417	560	355	223	52	3	0	1973
1991-92	0	0	3	76	404	461	570	398	339	160	45	0	2456
1992-93	0	0	9	103	289	565	457	518	348	148	6	0	2443
1993-94	0	0	7	86	300	599	693	401	220	62	34	0	2402
1994-95	0	0	1	88	232	446	580	476	225	89	11	0	2148
1995-96	0	0	11	94	438	629	626	460	425	165	27	0	2875
1996-97	0	0	2	127	410	516	545	383		176	46	5	
1997-98	0	0	0	127	408	556	491			114	0	0	
1998-99	0	0	0	67	214	413	509	415	403	87	19	0	2127
1999-00	0	0	12	111	270	561	648	424	216	154	2	0	2398
2000-01	0	0	10	109	380	816	646	344	364	110	1	0	2780
2001-02	0	0	15	157	198	416	555	511	270	56	43	0	2221
2002-03	0	0	0	59	387	630	712	472	215	105	4	0	2584
2003-04	0	0	12	73	246	694	658	565	227	127	13	0	2615
2004-05	0	0	0	42	287	597	530	423	354	123	25	0	2381
2005-06	0	0	0	119	263	616	423	506	317	71	21	0	2336
2006-07	0	0	4	132	297	415	492	492	181	147	5	0	2165
2007-08	0	0	0	36	318	376	633	383	285	120	6	0	2157
2008-09	0	0	1	148	422	342	568	484	299	112	8	0	2384
2009-10	0	0	3	116	273	594	717	634	372	66	5	0	2780
2010-11	0	0	0	80	295	783	716	380	247	64	18	0	2583
2011-12	0	0	0	143	295	438	494	368	102	91	1	0	1932
2012-13	0	0	0	85	415	426	399	479	435	112	35	0	2386
2013-	0	0	0	76	383	458							

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**COOLING DEGREE DAYS (base 65°F) 2013 AUGUSTA (KAGS)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	13	39	188	411	468	481	244	241	16	1	2102
1985	9	4	33	100	263	468	525	480	318	209	78	0	2487
1986	0	0	12	71	248	501	655	464	383	126	56	4	2520
1987	0	0	8	48	264	432	548	590	331	5	17	1	2244
1988	0	1	5	31	147	346	510	518	323	32	8	1	1922
1989	0	8	38	99	178	423	500	471	305	117	12	0	2151
1990	0	18	36	49	219	438	578	536	350	151	9	6	2390
1991	0	6	29	99	329	414	542	483	310	82	16	14	2324
1992	0	1	6	56	135	330	526	444	331	27	14	0	1870
1993	2	0	2	27	240	503	666	547	393	96	31	2	2509
1994	0	9	28	82	149	418	456	403	227	40	9	4	1825
1995	0	0	17	75	244	338	514	497	262	122	10	0	2079
1996	0	1	2	50	264	362	487	414	257	40	4	1	1882
1997	3	8		21	105	294	489	418	277	80	0	0	
1998	10			29	304	502	570	463	316	95	13	9	
1999	2	0	0	124	128	359	512	563	247	64	8	0	2007
2000	2	0	13	20	298	433	487	444	247	38	21	0	2003
2001	1	2	0	83	187	365	449	487	244	57	23	4	1902
2002	5	2	34	132	197	399	538	472	377	134	8	0	2298
2003	0	0	14	22	210	351	446	470	247	45	33	0	1838
2004	1	0	18	45	314	447	511	409	299	89	30	0	2163
2005	6	0	4	11	133	392	532	524	397	157	8	1	2165
2006	0	0	17	105	213	364	512	568	291	79	5	1	2155
2007	7	1	23	66	183	406	458	636	369	186	4	4	2343
2008	0	2	10	46	190	485	507	487	318	76	0	18	2139
2009	5	0	15	32	239	468	467	483	312	65	1	0	2087
2010	0	0	0	54	300	540	583	542	359	63	2	0	2443
2011	1	5	25	134	248	516	613	608	330	22	11	2	2515
2012	0	10	80	111	283	299	587	435	274	84	0	0	2163
2013	15	0	6	42	146	392	457	417	293	87	10	11	1876

## SNOWFALL (inches) 2013 AUGUSTA (KAGS)

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	T	T	0.0	0.0	0.0	0.0	T
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.3
1988-89	0.0		0.0	0.0	0.0	T	0.0	3.7	0.0	0.0	0.0	0.0	
1989-90	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	T	0.0	0.0	2.6
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	T
1993-94	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	T	1.0
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	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.4
1996-97	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
1997-98	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
1998-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
2000-01	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	0.0	T
2001-02	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0
2002-03	0.0	0.0	0.0	0.0	0.0	T	T	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
2004-05	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007-08	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2008-09	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2009-10	0.0	0.0	0.0	0.0	0.0	T	0.0	8.0	T	0.0	0.0	0.0	8.0
2010-11	0.0	0.0	0.0	0.0	0.0	1.0	2.0	T	0.0	0.0	0.0	0.0	3.0
2011-12	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
2012-13	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
2013-	0.0	0.0	0.0	0.0	0.0	0.0							
POR= 65 YRS	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.7	T	T	0.0	T	1.1

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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 AUGUSTA GEORGIA (KAGS)

The boundary between the Piedmont Plateau and the Coastal Plain, known as the Fall Line, crosses the Savannah River basin in a general northeast-southwest direction near Augusta, Georgia. The Weather Service Office at Bush Field is located in the Savannah River Valley approximately 2 miles west of the river and 203 miles above the mouth of the Savannah. Hills some 200 feet higher than the station are found slightly more than 1 mile to the west and approximately 4 miles to the southwest, and some 5 miles to the south and southeast. Swampland is found immediately to the north, east, and south of the station.

The length of the growing season averages 241 days. The average last occurrence in the spring of temperatures of 32 degrees is mid-March, and the first in the fall is mid-November.

Measurable snow is a rarity and then remains on the ground only a short time. Ice storms, damaging winds, and very low temperatures are also of rare occurrence.

Augusta has been protected, to a great extent, from flooding of the Savannah River by the construction of two multipurpose dams. The Clark Hill Dam is located 21.7 miles above the city and Hartwell Dam has been constructed 89 miles above Augusta.

# Station History

AUGUSTA, GA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
AUGUSTA BUSH FIELD AP	2006-09-04	2012-03-09	33° 21'	-81° 57'	132		ASOS, COOP
AUGUSTA BUSH FIELD AP	1950-08-01	1969-01-01	33° 22'	-81° 58'	148		AIRWAYS, COOP
AUGUSTA BUSH FIELD AP	1995-07-07	2006-09-04	33° 22'	-81° 57'	132		ASOS, COOP
AUGUSTA BUSH FIELD AP	1950-07-01	1950-08-01	33° 22'	-81° 58'	135		AIRWAYS
AUGUSTA BUSH FIELD AP	1994-05-01	1995-07-07	33° 22'	-81° 57'	132	.6 MI SSE	ASOS, COOP
AUGUSTA BUSH FIELD AP	2012-03-09	Present	33° 21'	-81° 57'	132		ASOS, COOP
AUGUSTA BUSH FIELD AP	1969-01-01	1988-06-23	33° 22'	-81° 58'	148		COOP, WXSVC
AUGUSTA BUSH FIELD AP	1988-06-23	1989-05-06	33° 22'	-81° 58'	148		AIRWAYS, COOP
AUGUSTA BUSH FIELD AP	1989-05-06	1994-05-01	33° 22'	-81° 58'	148		COOP, WXSVC

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1994-05-01	2006-09-04	HOURLY	2400	TB	RCRD	
PRECIP	2006-09-04	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1950-07-01	1964-02-01	DAILY	2400	UNIV	RCRD	
TEMP	1964-02-01	1991-10-03	DAILY	2400			
TEMP	1991-10-03	1994-05-01	DAILY	2400	HYGR		
PRECIP	1994-05-01	2006-09-04	DAILY	2400	TB	RCRD	
TEMP	1950-07-01	1964-02-01	DAILY	2400			
PRECIP	1964-02-01	1991-10-03	DAILY	2400	UNIV	RCRD	
PRECIP	1991-10-03	1994-05-01	DAILY	2400	UNIV	RCRD	
TEMP	2006-09-04	Present	DAILY	2400	ATEMP		
TEMP	1994-05-01	2006-09-04	DAILY	2400	HYGR		
PRECIP	1964-02-01	1991-10-03	HOURLY	2400	UNIV	RCRD	
PRECIP	1991-10-03	1994-05-01	HOURLY	2400	UNIV	RCRD	
PRECIP	2006-09-04	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>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.orders@noaa.gov](mailto:ncdc.orders@noaa.gov)

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)