

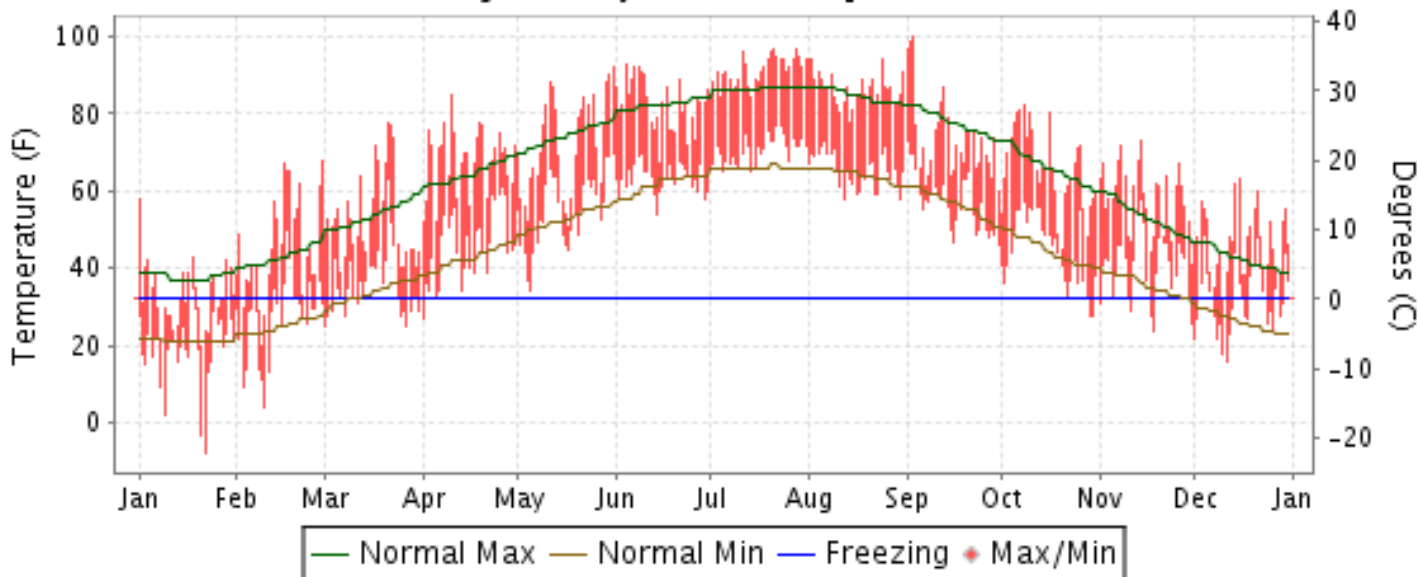


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

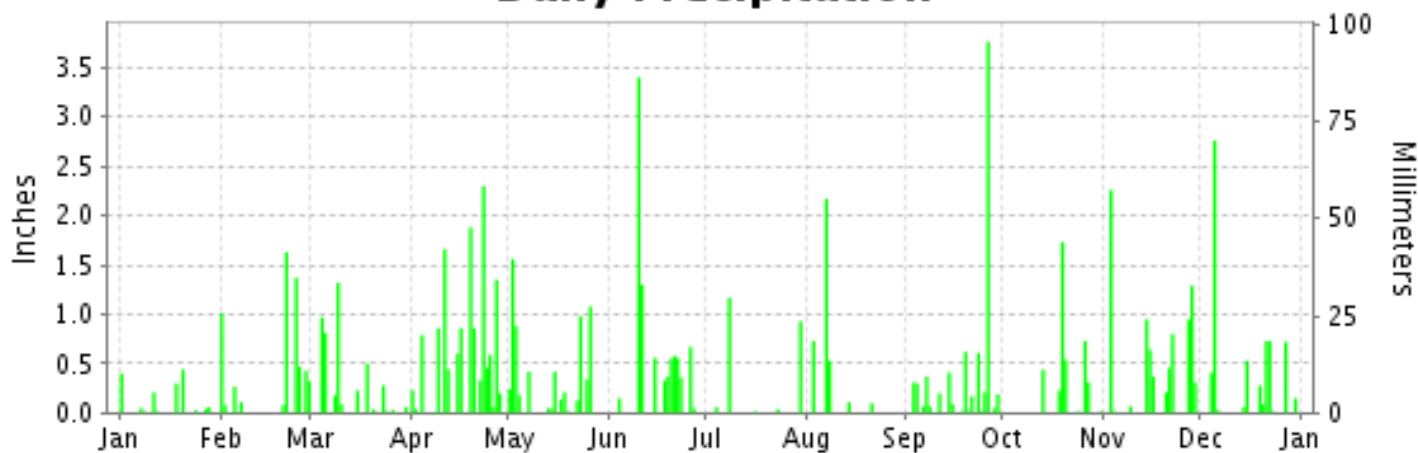
ISSN 0198-3911

COVINGTON, KENTUCKY (KCVG)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2011

COVINGTON (KCVG)

LATITUDE: 39° 2'N LONGITUDE: -84° 40'W ELEVATION (FT): GRND: 869 BARO: 885 TIME ZONE: EASTERN (UTC -5) WBAN: 93814

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	33.2	45.7	53.2	68.3	72.3	82.5	91.1	86.3	73.7	65.8	58.0	47.0	64.8	
	HIGHEST DAILY MAXIMUM	58	68	78	85	92	93	97	94	100	82	73	63	100	
	DATE OF OCCURRENCE	01	28	21	10	31	04	28+	24	03	08	14	15	SEP 03	
	MEAN DAILY MINIMUM	19.0	27.5	35.8	46.0	54.8	63.2	70.7	65.4	57.1	44.6	40.3	32.0	46.4	
	LOWEST DAILY MINIMUM	-8	4	25	27	34	54	65	58	46	28	24	16	-8	
	DATE OF OCCURRENCE	22	10	27+	01	05	14	14+	30	30	30+	18	11	JAN 22	
	AVERAGE DRY BULB	26.1	36.6	44.5	57.2	63.6	72.9	80.9	75.9	65.4	55.2	49.2	39.5	55.6	
	MEAN WET BULB	24.1	32.3	39.2	51.1	58.8	66.3	73.3	67.6	60.0	49.1	44.7	36.6	50.3	
	MEAN DEW POINT	19.0	26.1	32.0	45.4	55.5	62.4	69.9	62.8	56.5	43.3	39.4	32.3	45.4	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	2	5	20	6	3	0	0	0	0	36
	MAXIMUM <= 32°	17	4	0	0	0	0	0	0	0	0	0	1	22	
	MINIMUM <= 32°	30	22	14	1	0	0	0	0	0	4	5	17	93	
MINIMUM <= 0°	2	0	0	0	0	0	0	0	0	0	0	0	2		
H/C	HEATING DEGREE DAYS	1197	787	632	237	156	1	0	0	83	312	469	782	4656	
	COOLING DEGREE DAYS	0	0	6	10	118	246	503	346	104	15	1	0	1349	
RH	MEAN (PERCENT)	74	70	65	69	77	71	72	67	76	68	72	77	72	
	HOUR 01 LST	78	74	70	77	86	83	86	78	85	77	75	81	79	
	HOUR 07 LST	81	78	74	76	82	76	79	77	85	82	80	86	80	
	HOUR 13 LST	66	63	56	57	65	58	54	50	63	51	63	66	59	
	HOUR 19 LST	72	67	61	67	76	66	67	64	77	66	72	77	69	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	0	1	2	2	0	0	0	0	3	0	9	
	THUNDERSTORMS	0	2	2	11	7	8	5	8	5	1	3	0	52	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	29.09	29.10	29.13	28.92	28.99	29.02	29.04	28.99	29.05	29.08	29.10	29.21	29.06	
	MEAN SEA-LEVEL PRESS. (IN.)	30.05	30.06	30.08	29.85	29.92	29.94	29.95	29.91	29.98	30.02	30.05	30.17	30.00	
WINDS	RESULTANT SPEED (MPH)	2.8	2.9	1.1	3.8	2.6	1.9	1.5	1.5	0.9	2.3	4.6	3.1	2.0	
	RES. DIR. (TENS OF DEGS.)	27	25	04	21	21	23	24	28	32	25	21	23	24	
	MEAN SPEED (MPH)	8.3	9.4	9.8	11.0	7.2	6.6	5.0	5.6	7.3	6.9	10.2	7.2	7.9	
	PREVAIL.DIR.(TENS OF DEGS.)	29	20	05	20	20	20	23	22	20	26	20	20	20	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	25	41	39	40	43	49	26	44	40	31	36	30	49	
	DIR. (TENS OF DEGS.)	29	29	28	28	29	35	04	32	31	27	29	28	35	
	DATE OF OCCURRENCE	01	28	23	20	25	10	24	03	29	14	14	30	JUN 10	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	31	55	53	55	56	67	35	56	51	41	43	39	67	
DIR. (TENS OF DEGS.)	29	29	28	29	27	35	26	33	31	28	30	27	35		
DATE OF OCCURRENCE	06	28	23	20	23	10	03	03	29	14	14	30	JUN 10		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.58	5.79	4.55	13.52	6.71	8.89	2.22	3.64	7.51	4.02	8.33	6.52	73.28	
	GREATEST 24-HOUR (IN.)	0.44	1.84	1.53	2.47	1.60	4.70	1.17	2.17	3.96	1.78	2.28	2.85	4.70	
	DATE OF OCCURRENCE	20	24-25	04-05	22-23	02-03	10-11	08	07	25-26	19-20	03-04	04-05	JUN 10-11	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	11	12	14	18	17	13	5	5	20	8	12	13	148	
PRECIPITATION 0.10	4	8	7	15	12	11	2	5	11	6	10	8	99		
PRECIPITATION 1.00	0	3	1	4	2	2	1	1	1	1	2	1	19		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	12.8	2.8	2.8	0.0	0.0	T	0.0	0.0	0.0	T	0.4	T	18.8	
	GREATEST 24-HOUR (IN.)	5.6	0.8	1.1	0.0	0.0	T	0.0	0.0	0.0	T	0.4	T	5.6	
	DATE OF OCCURRENCE	20	02	10			10				18	29	27+	JAN 20	
	MAXIMUM SNOW DEPTH (IN.)	5	1	1	0	0	0	0	0	0	0	0	0	5	
	DATE OF OCCURRENCE	21+	07+	27+										JAN 21+	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	3	0	1	0	0	0	0	0	0	0	0	0	4		

NORMALS, MEANS, AND EXTREMES COVINGTON (KCVG)

LATITUDE: 39° 2'N **LONGITUDE:** -84° 40'W **ELEVATION (FT):** GRND: 869 BARO: 885 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 93814**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	38.0	43.1	53.9	64.7	74.4	82.4	86.4	84.8	78.0	66.4	53.6	42.7	64.0
	MEAN DAILY MAXIMUM	64	38.0	42.2	52.3	64.5	73.9	82.1	85.8	85.0	78.2	66.6	53.1	41.9	63.6
	HIGHEST DAILY MAXIMUM	50	69	75	84	89	93	102	103	102	100	91	81	75	103
	YEAR OF OCCURRENCE		1967	2000	1986	1976	1962	1988	1988	1962	2011	2007	1987	1982	JUL 1988
	MEAN OF EXTREME MAXS.	64	60.5	64.0	74.9	82.2	87.0	92.1	94.2	93.7	90.6	82.4	72.3	62.8	79.7
	NORMAL DAILY MINIMUM	30	21.3	25.0	33.8	42.7	52.9	61.6	66.1	64.2	56.8	44.9	35.7	26.4	44.3
	MEAN DAILY MINIMUM	64	21.8	24.6	32.9	43.0	52.3	61.1	65.3	63.9	56.4	45.0	35.1	26.2	44.0
	LOWEST DAILY MINIMUM	50	-25	-11	-11	15	27	39	47	43	31	16	1	-20	-25
	YEAR OF OCCURRENCE		1977	1996	1980	1997	1963	1972	2008	1986	1993	1962	1976	1989	JAN 1977
	MEAN OF EXTREME MINS.	64	-1.2	3.3	14.2	26.5	36.2	47.9	54.3	52.9	40.7	28.0	17.8	5.9	27.2
	NORMAL DRY BULB	30	29.7	34.1	43.9	53.7	63.7	72.0	76.3	74.5	67.4	55.7	44.7	34.6	54.2
	MEAN DRY BULB	64	29.9	33.4	42.6	53.7	63.1	71.7	75.6	74.5	67.3	55.8	44.1	34.1	53.8
	MEAN WET BULB	28	27.2	29.8	37.1	46.5	56.2	64.4	67.8	66.6	59.6	48.8	39.7	30.6	47.9
	MEAN DEW POINT	28	24.4	26.4	33.1	42.6	53.4	62.2	65.8	64.7	57.4	46.2	36.6	27.9	45.1
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	3.5	7.6	5.1	1.5	0.0	0.0	0.0	18.0
	MAXIMUM <= 32	30	11.0	7.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	6.4	26.3
MINIMUM <= 32	30	26.1	21.1	15.6	4.7	0.3	0.0	0.0	0.0	*	3.3	12.8	21.7	105.6	
MINIMUM <= 0	30	2.7	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.1	
H/C	NORMAL HEATING DEG. DAYS	30	1110	881	670	368	130	19	1	3	68	319	626	953	5148
	NORMAL COOLING DEG. DAYS	30	0	0	3	13	73	215	335	282	126	16	1	0	1064
RH	NORMAL (PERCENT)	30	75	71	67	65	69	72	73	74	73	71	72	75	71
	HOURLY 01 LST	30	78	75	73	71	79	82	84	85	83	79	76	78	79
	HOURLY 07 LST	30	81	79	79	77	82	85	86	90	89	85	81	81	83
	HOURLY 13 LST	30	70	65	59	54	57	58	58	59	58	57	63	69	61
	HOURLY 19 LST	30	73	67	60	56	60	62	62	65	67	66	69	73	65
S	PERCENT POSSIBLE SUNSHINE	13	33	40	48	56	57	61	62	61	61	54	36	31	50
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISIBY <= 1/4 MI)	48	2.4	2.1	1.5	0.8	1.2	1.3	1.4	2.3	2.4	2.0	1.4	2.2	21.0
	THUNDERSTORMS	64	0.7	0.8	2.4	4.3	6.0	7.5	7.5	6.0	3.1	1.5	1.1	0.4	41.3
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR				5.0										
	PARTLY CLOUDY				1.0		1.0								
	CLOUDY	1	1.0	4.0	7.0		2.0	1.0							
PR	MEAN STATION PRESSURE (IN)	28	29.15	29.14	29.09	29.04	29.05	29.05	29.08	29.10	29.13	29.14	29.15	29.16	29.11
	MEAN SEA-LEVEL PRES. (IN)	28	30.12	30.10	30.05	29.97	29.98	29.98	30.00	30.02	30.05	30.08	30.10	30.12	30.05
WINDS	MEAN SPEED (MPH)	28	9.7	9.8	10.0	9.7	8.0	7.2	6.6	6.4	6.9	7.6	9.1	9.2	8.4
	PREVAIL. DIR. (TENS OF DEGS)	41	21	21	21	21	21	21	23	22	21	21	21	22	21
	MAXIMUM 2-MINUTE: SPEED (MPH)	16	41	41	45	45	43	49	47	44	54	48	40	40	54
	DIR. (TENS OF DEGS)		17	29	27	28	29	35	30	32	19	29	17	27	19
	YEAR OF OCCURRENCE		1996	2011	2002	2002	2011	2011	2008	2011	2008	2001	2001	2000	SEP 2008
	MAXIMUM 3-SECOND SPEED (MPH)	16	51	56	56	76	56	67	61	56	74	60	55	56	76
	DIR. (TENS OF DEGS)		27	23	28	22	27	35	31	33	23	29	17	27	22
	YEAR OF OCCURRENCE		2008	2009	2002	2006	2011	2011	2001	2011	2008	2001	2001	2006	APR 2006
PRECIPITATION	NORMAL (IN)	30	2.92	2.75	3.90	3.96	4.59	4.42	3.75	3.79	2.82	2.96	3.46	3.28	42.60
	MAXIMUM MONTHLY (IN)	64	9.43	6.72	12.18	13.52	9.48	9.61	8.70	7.71	8.61	8.60	8.33	7.90	13.52
	YEAR OF OCCURRENCE		1950	1955	1964	2011	1968	1998	2001	1982	1979	1983	2011	1990	APR 2011
	MINIMUM MONTHLY (IN)	64	0.57	0.25	1.14	1.04	0.91	0.95	0.63	0.31	0.18	0.25	0.43	0.51	0.18
	YEAR OF OCCURRENCE		1981	1978	1960	1971	2007	1965	1997	1953	1963	1963	1949	1976	SEP 1963
	MAXIMUM IN 24 HOURS (IN)	64	4.33	2.84	5.21	3.31	3.71	4.70	4.28	3.52	4.54	4.47	3.36	2.96	5.21
	YEAR OF OCCURRENCE		1959	1990	1964	1996	1956	2011	1988	1995	1979	1985	1948	1948	MAR 1964
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	12.6	11.7	12.9	12.5	11.8	11.5	10.2	9.7	8.4	8.5	10.9	12.2	132.9
	PRECIPITATION >= 1.00	30	0.5	0.6	0.7	0.8	1.1	1.2	1.0	1.0	0.7	0.6	0.6	0.6	9.4
SNOWFALL	NORMAL (IN)	30	7.8	6.0	3.8	0.6	0.*	0.0	0.0	0.0	0.0	0.4	1.3	3.7	23.6
	MAXIMUM MONTHLY (IN)	64	31.5	26.1	13.0	3.7	0.2	T	T	T	0.0	6.2	12.1	16.6	31.5
	YEAR OF OCCURRENCE		1978	2010	1968	1977	1989	2011	1994	2000		1993	1966	2010	JAN 1978
	MAXIMUM IN 24 HOURS (IN)	64	12.8	12.6	9.8	3.6	0.2	T	T	T	0.0	5.9	9.0	7.5	12.8
	YEAR OF OCCURRENCE		1996	1998	1968	1977	1989	2011	1994	2000		1993	1966	1990	JAN 1996
	MAXIMUM SNOW DEPTH (IN)	63	14	19	11	5	0	0	0	0	0	4	8	9	19
	YEAR OF OCCURRENCE		1978	1998	2008	1987						1993	1966	2004	FEB 1998
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	2.4	1.9	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.1	7.3

PRECIPITATION (inches) 2011 COVINGTON (KCVG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	7.17	1.17	4.67	2.18	4.60	3.61	2.44	7.71	1.27	0.99	5.08	4.25	45.14
1983	1.56	1.14	2.02	4.84	8.89	2.22	1.96	3.23	1.22	8.60	4.20	2.84	42.72
1984	0.75	2.40	3.61	4.88	4.82	2.11	2.57	3.30	3.50	3.85	6.00	4.21	42.00
1985	1.68	2.25	6.90	1.34	6.18	4.55	3.59	2.02	0.76	5.83	7.51	1.52	44.13
1986	1.01	2.85	3.07	1.57	3.59	1.46	3.33	3.78	3.53	3.08	3.79	2.58	33.64
1987	0.92	1.62	4.65	2.88	2.73	4.62	5.07	2.27	1.17	1.42	1.82	3.43	32.60
1988	2.75	4.94	3.42	3.92	1.99	1.19	6.85	2.44	3.05	1.86	4.78	2.78	39.97
1989	3.21	4.67	6.40	5.19	4.64	3.04	5.97	5.33	2.97	3.18	3.05	1.96	49.61
1990	2.59	5.82	2.75	3.22	9.41	5.01	3.68	5.67	4.13	5.09	2.31	7.90	57.58
1991	2.84	3.99	6.20	3.62	3.41	1.39	2.66	5.04	2.60	1.37	1.89	5.08	40.09
1992	2.99	0.93	4.19	2.71	2.84	3.65	7.00	3.17	3.23	1.11	4.31	1.36	37.49
1993	3.83	3.43	3.60	3.13	2.33	4.80	1.26	4.20	2.68	2.61	4.31	2.53	38.71
1994	3.22	1.68	2.22	6.46	2.06	4.08	5.64	5.14	0.55	1.49	2.87	2.88	38.29
1995	3.51	1.80	2.58	4.26	8.57	2.65	2.37	5.59	2.43	4.28	2.15	3.43	43.62
1996	4.36	1.98	5.58	8.20	9.20	5.83	2.62	.76	5.41	1.74	3.40	4.33	53.41
1997	2.79	2.13	6.00	1.98	6.33	8.34	0.63	3.95	0.55	1.68	2.97	2.77	40.12
1998	3.27	3.04	3.52	9.77	5.12	9.61	4.75	2.67	0.67	2.82	2.33	3.82	51.39
1999	4.76	3.66	1.89	2.88	1.98	3.16	3.16	2.61	0.86	2.49	1.42	3.60	32.47
2000	4.45	5.71	3.34	4.27	5.21	4.74	3.53	2.90	4.79	1.37	2.33	3.18	45.82
2001	1.33	1.81	1.42	1.46	5.15	4.45	8.70	5.00	3.13	6.73	3.31	4.08	46.57
2002	2.33	1.81	4.60	5.97	8.03	3.56	1.38	1.50	4.87	4.51	2.29	4.90	45.75
2003	1.66	3.60	2.50	1.91	7.29	2.75	5.00	4.80	5.07	2.11	3.92	2.26	42.87
2004	4.55	1.25	2.97	4.50	6.85	2.93	6.14	3.51	1.53	6.13	5.15	2.80	48.31
2005	6.60	1.94	4.09	3.78	1.88	2.92	1.76	6.34	2.00	2.21	4.13	1.81	39.46
2006	4.21	1.34	6.92	5.06	3.13	3.67	4.03	1.90	6.21	4.48	2.08	3.46	46.49
2007	3.84	3.42	3.16	3.15	0.91	1.74	1.92	0.55	2.47	7.07	2.73	5.76	36.72
2008	2.33	5.21	9.67	2.75	6.32	5.21	3.39	1.78	1.22	1.63	1.73	4.42	45.66
2009	2.96	2.52	1.61	3.72	3.74	7.33	5.35	1.78	4.83	5.42	0.92	2.93	43.11
2010	2.01	2.31	3.50	1.93	5.66	6.94	2.42	1.14	0.57	1.48	6.94	1.77	36.67
2011	1.58	5.79	4.55	13.52	6.71	8.89	2.22	3.64	7.51	4.02	8.33	6.52	73.28
POR= 64 YRS	3.23	2.88	3.95	3.88	4.33	4.17	4.01	3.15	2.88	2.89	3.36	3.20	41.93

WBAN : 93814

AVERAGE TEMPERATURE (°F) 2011 COVINGTON (KCVG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	23.9	30.6	44.3	49.6	68.1	67.4	77.0	71.3	66.9	59.3	48.4	42.9	54.1
1983	31.6	35.3	44.7	49.4	59.0	71.6	79.2	78.3	67.2	55.7	44.7	24.6	53.4
1984	23.7	38.2	34.4	51.1	58.9	74.1	72.2	74.3	65.7	61.5	42.0	42.4	53.2
1985	22.7	29.4	47.5	57.9	65.4	69.9	75.1	72.5	67.5	59.3	49.9	26.2	53.6
1986	30.9	35.2	45.2	55.3	64.5	72.9	77.6	72.0	70.1	56.4	42.7	34.0	54.7
1987	30.7	37.3	45.0	53.0	69.3	73.6	76.1	75.2	68.3	49.3	48.0	36.8	55.2
1988	27.5	30.5	42.2	52.4	64.4	72.4	78.5	77.5	67.2	48.5	45.0	34.1	53.4
1989	38.6	30.8	45.4	52.9	60.1	71.3	76.7	73.5	66.4	55.7	43.9	21.6	53.1
1990	40.0	40.8	48.2	52.8	61.6	71.8	74.7	73.7	67.7	55.9	48.9	38.3	56.2
1991	31.0	37.3	45.4	56.9	70.4	75.4	77.9	74.8	68.6	58.6	41.4	37.3	56.3
1992	32.9	39.7	43.6	54.1	61.2	68.0	73.5	69.6	64.5	53.3	44.2	35.6	53.4
1993	34.5	29.3	40.2	52.0	63.3	70.9	79.1	76.2	63.9	53.0	43.5	32.8	53.2
1994	23.3	33.2	41.4	55.5	59.3	75.0	75.2	71.9	65.7	57.1	49.9	40.0	54.0
1995	31.3	31.0	45.7	53.3	62.7	72.9	76.6	79.5	65.7	55.3	37.5	29.3	53.4
1996	27.9	32.4	36.7	49.2	63.2	71.0	72.1	74.3	65.4	55.1	37.8	37.6	51.9
1997	28.2	37.6	44.2	48.1	57.2	69.1	75.1	71.6	65.6	55.4	41.3	35.7	52.4
1998	38.6	40.5	43.6	53.0	66.6	71.3	74.3	75.1	71.6	56.2	45.5	38.3	56.2
1999	32.4	37.9	38.3	55.0	63.6	73.0	79.0	72.7	66.8	55.3	48.5	34.8	54.8
2000	28.6	40.4	46.8	52.3	65.4	71.4	72.6	72.3	64.9	57.8	41.7	23.2	53.1
2001	29.7	37.0	39.7	58.0	64.2	69.7	74.2	74.9	64.6	55.2	50.0	39.3	54.7
2002	36.9	36.8	41.9	55.7	59.6	72.9	78.2	77.5	71.6	53.9	41.3	34.2	55.0
2003	24.0	28.4	45.0	55.7	61.9	67.2	73.9	74.6	64.8	54.5	48.0	35.0	52.8
2004	27.7	33.9	45.4	53.5	67.0	71.0	73.3	70.6	68.5	56.6	47.7	33.4	54.1
2005	33.4	37.7	39.0	55.8	60.3	74.7	77.5	77.7	70.8	56.1	45.6	30.2	54.9
2006	41.6	34.8	42.4	57.9	61.8	70.1	76.9	77.4	64.1	53.0	46.2	40.4	55.6
2007	35.1	22.7	50.7	52.2	67.6	74.2	74.6	81.6	72.9	61.3	43.8	36.4	56.1
2008	30.0	32.3	41.1	54.7	60.5	72.8	74.4	74.5	71.0	56.5	42.4	33.9	53.7
2009	26.0	35.8	47.5	54.8	64.3	72.7	70.2	72.0	67.9	52.0	47.5	33.3	53.7
2010	26.9	26.9	45.6	58.6	66.1	75.0	77.9	78.1	70.1	57.6	44.7	26.6	54.5
2011	26.1	36.6	44.5	57.2	63.6	72.9	80.9	75.9	65.4	55.2	49.2	39.5	55.6
POR= 64 YRS	29.9	33.4	42.6	53.7	63.1	71.7	75.6	74.5	67.3	55.8	44.1	34.1	53.8

HEATING DEGREE DAYS (base 65°F) 2011 COVINGTON (KCVG)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	0	1	56	244	505	682	1029	825	627	466	199	21	4655
1983-84	1	0	89	288	600	1247	1274	773	939	425	219	4	5859
1984-85	0	0	101	128	684	692	1306	992	543	256	72	22	4796
1985-86	0	0	78	212	450	1195	1056	828	613	305	105	3	4845
1986-87	0	21	25	292	664	955	1058	766	612	365	52	2	4812
1987-88	0	1	39	477	505	868	1156	991	699	374	84	22	5216
1988-89	1	0	38	509	595	949	811	949	608	380	211	14	5065
1989-90	0	4	77	297	630	1335	770	671	531	390	127	21	4853
1990-91	0	1	66	296	477	821	1046	773	602	250	44	0	4376
1991-92	0	0	81	232	700	853	988	727	658	339	172	27	4777
1992-93	0	8	97	358	617	907	937	997	762	384	103	40	5210
1993-94	0	0	101	370	640	992	1291	885	724	298	211	5	5517
1994-95	0	6	56	250	447	766	1037	948	589	353	109	2	4563
1995-96	0	0	68	298	818	1099	1142	939	873	478	132	10	5857
1996-97	0	0	93	307	811	847	1136	765	640	498	252	36	5385
1997-98	1	7	53	339	703	900	808	679	679	355	51	47	4622
1998-99	0	0	17	284	576	826	1007	754	820	297	90	5	4676
1999-00	0	0	63	294	489	931	1119	709	560	375	73	13	4626
2000-01	0	0	107	248	693	1290	1084	778	777	268	96	28	5369
2001-02	1	0	96	316	442	786	865	786	711	309	217	6	4535
2002-03	0	0	20	375	702	947	1263	1019	613	287	122	47	5395
2003-04	0	0	74	330	502	923	1148	895	605	346	67	2	4892
2004-05	2	12	20	264	513	973	970	757	796	281	169	3	4760
2005-06		0	16	304	577	1072	717	840	691	230	163	9	
2006-07	0	0	75	384	557	759	922	1177	458	395	58	0	4785
2007-08	0	0	15	188	629	881	1081	942	731	317	162	1	4947
2008-09	1	0	6	283	673	958	1205	813	534	340	83	10	4906
2009-10	4	7	30	401	518	974	1179	1058	594	218	76	0	5059
2010-11	0	0	28	237	605	1186	1197	787	632	237	156	1	5066
2011-	0	0	83	312	469	782							

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COOLING DEGREE DAYS (base 65°F) 2011 COVINGTON (KCVG)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1982	0	0	0	5	129	99	381	203	120	73	13	8	1031
1983	0	0	4	4	18	225	448	417	161	8	0	0	1285
1984	0	0	0	13	38	289	233	295	130	29	0	0	1027
1985	0	0	6	47	93	174	318	241	162	41	5	0	1087
1986	0	0	4	22	97	247	399	243	183	30	0	0	1225
1987	0	0	0	12	193	266	353	325	147	0	4	0	1300
1988	0	0	2	3	70	251	425	392	111	6	0	0	1260
1989	0	0	7	26	67	210	369	275	125	17	0	0	1096
1990	0	0	17	32	27	230	309	276	155	21	3	0	1070
1991	0	0	0	14	218	317	408	310	195	42	0	0	1504
1992	0	0	0	19	59	126	273	158	88	2	0	0	725
1993	0	0	0	0	56	224	443	353	75	5	0	0	1156
1994	0	0	0	19	40	314	325	228	83	14	0	0	1023
1995	0	0	0	9	45	242	365	454	97	1	0	0	1213
1996	0	0	0	7	79	198	226	296	109	5	0	0	920
1997	0	0	0	0	16	163	320	218	77	48	0	0	842
1998	0	0	23	0	104	242	299	319	222	16	0	5	1230
1999	0	0	0	6	52	253	440	247	125	2	0	0	1125
2000	0	0	0	2	89	211	240	235	107	30	0	0	914
2001	0	0	0	64	78	174	296	315	90	16	0	0	1033
2002	0	0	0	36	56	250	415	395	228	37	0	0	1417
2003	0	0	0	15	31	122	283	309	78	10	1	0	849
2004	0	0	2	8	138	191	267	193	132	10	0	0	941
2005	0	0	0	9	28	299	395	400	194	36	0	0	1361
2006	0	0	0	26	70	167	373	394	56	19	0	0	1105
2007	0	0	24	19	145	286	306	523	259	83	0	0	1645
2008	0	0	0	15	28	242	298	300	196	27	0	0	1106
2009	0	0	0	39	66	247	172	230	122	5	0	0	881
2010	0	0	0	33	119	305	406	412	190	14	2	0	1481
2011	0	0	6	10	118	246	503	346	104	15	1	0	1349

SNOWFALL (inches) 2011 COVINGTON (KCVG)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	0.0	0.0	0.0	0.0	T	T	0.8	5.5	0.3	T	0.0	0.0	6.6
1983-84	0.0	0.0	0.0	0.0	T	1.7	4.1	6.7	4.1	0.0	0.0	0.0	16.6
1984-85	0.0	0.0	0.0	0.0	1.4	7.3	12.2	9.5	0.4	1.7	0.0	0.0	32.5
1985-86	0.0	0.0	0.0	0.0	0.0	5.0	2.8	11.3	0.8	T	0.0	0.0	19.9
1986-87	0.0	0.0	0.0	0.0	T	0.8	1.6	2.4	8.8	2.3	0.0	0.0	15.9
1987-88	0.0	0.0	0.0	0.0	0.1	0.2	4.3	4.7	2.3	T	0.0	0.0	11.6
1988-89	0.0	0.0	0.0	0.0	0.7	2.9	T	3.0	1.2	0.3	0.2	0.0	8.3
1989-90	0.0	0.0	0.0	5.9	0.2	12.5	1.3	3.6	5.6	T	0.0	0.0	29.1
1990-91	0.0	0.0	0.0	0.0	0.0	8.6	4.3	2.6	T	0.0	0.0	0.0	15.5
1991-92	T	0.0	0.0	0.0	1.9	0.5	3.6	1.2	3.6	2.9	0.1	0.0	13.8
1992-93	0.0	0.0	0.0	T	1.6	3.8	0.3	19.9	3.9	T	0.0	T	29.5
1993-94	0.0	0.0	0.0	6.2	0.8	5.4	13.3	0.5	6.6	0.2	0.0	0.0	33.0
1994-95	T	0.0	0.0	0.0	0.0	0.2	16.4	7.6	3.3	0.0	0.0	0.0	27.5
1995-96	0.0	0.0	0.0	0.0	0.9	4.1	27.0	1.7	8.4	2.5	0.0	0.0	44.6
1996-97	0.0	0.0	0.0	0.0	2.1	1.3	4.3	4.5	T	T	0.0	0.0	12.2
1997-98	0.0	0.0	0.0	0.0	0.4	4.2	1.2	18.5	7.1	T	0.0	0.0	31.4
1998-99	0.0	0.0	0.0	0.0	0.0	3.4	9.6	3.9	9.5	T	0.0	0.0	26.4
1999-00	0.0	0.0	0.0	0.0	T	2.3	7.6	0.6	0.1	0.2	0.0	0.0	10.8
2000-01	0.0	T	0.0	0.0	0.4	8.5	5.8	0.7	1.2	0.7	0.0	T	17.3
2001-02	0.0	0.0	0.0	T	0.0	0.7	5.5	1.5	0.4	1.0	0.0	0.0	9.1
2002-03	T	0.0	0.0	0.0	0.8	5.3	9.5	17.4	0.4	T	0.0	0.0	33.4
2003-04	T	0.0	0.0	0.0	0.2	6.1	12.6	1.5	1.8	1.3	0.0	0.0	23.5
2004-05	0.0	0.0	0.0	0.0	T	10.4	6.3	4.3	3.0	0.3	0.0	0.0	24.3
2005-06	0.0	0.0	0.0	0.0	0.3	7.3	1.1	4.6	4.2	T	0.0	0.0	17.5
2006-07	0.0	0.0	0.0	T	T	0.1	4.9	11.2	0.7	0.2	0.0	0.0	17.1
2007-08	0.0	0.0	0.0	0.0	T	4.2	3.4	7.5	11.1	0.0	0.0	0.0	26.2
2008-09	0.0	0.0	0.0	0.0	T	2.0	14.0	7.0	0.0	T	0.0	T	23.0
2009-10	0.0	0.0	0.0	0.0	T	5.7	6.6	26.1	T	0.0	0.0	0.0	38.4
2010-11	0.0	0.0	0.0	T	0.2	16.6	12.8	2.8	2.8	0.0	0.0	T	35.2
2011-	0.0	0.0	0.0	T	0.4	T							
POR= 64 YRS	T	T	0.0	0.2	1.6	4.1	7.3	5.9	4.0	0.5	0.0	T	23.6

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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).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD. CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</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 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm 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 the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2011

COVINGTON/CINCINNATI

KENTUCKY (KCVG)

Greater Cincinnati Airport is located on a gently rolling plateau about 12 miles southwest of downtown Cincinnati and 2 miles south of the Ohio River at its nearest point. The river valley is rather narrow and steep-sided varying from 1 to 3 miles in width and the river bed is 500 feet below the level of the airport.

The climate is continental with a rather wide range of temperatures from winter to summer. A precipitation maximum occurs during winter and spring with a late summer and fall minimum. On the average, the maximum snowfall occurs during January, although the heaviest 24-hour amounts have been recorded during late November and February.

The heaviest precipitation, as well as the precipitation of the longest duration, is normally associated with low pressure disturbances moving in a general southwest to northeast direction through the Ohio valley and south of the Cincinnati area.

Summers are warm and rather humid. The temperature will reach 100 degrees or more in 1 year out of 3. However, the temperature will reach 90 degrees or higher on about 19 days each year. Winters are moderately cold with frequent periods of extensive cloudiness.

The freeze free period lasts on the average 187 days from mid-April to the latter part of October.

Station History

COVINGTON, KY

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
GREATER CINCINNATI AP	1951-01-01	1969-01-01	39° 3'	-84° 40'	886		AIRWAYS, COOP
GREATER CINCINNATI AP	1947-03-15	1951-01-01	39° 3'	-84° 40'	889		AIRWAYS, COOP
GREATER CINCINNATI AP	1969-01-01	1976-01-01	39° 3'	-84° 40'	886		COOP, WXSVC
GREATER CINCINNATI AP	1976-01-01	1981-12-31	39° 3'	-84° 40'	869		COOP, WXSVC
GREATER CINCINNATI AP	1981-12-31	1992-01-01	39° 3'	-84° 40'	869		COOP
CINCINNATI NORTHERN KY AP	1995-10-01	Present	39° 2'	-84° 40'	869		ASOS, COOP
CINCINNATI NORTHERN KY AP	1992-01-01	1995-10-01	39° 3'	-84° 40'	869		COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1947-03-15	1982-01-01	DAILY	2400	UNIV	RCRD	
PRECIP	1982-01-01	1995-07-01	HOURLY	2400			
PRECIP	1982-01-01	1995-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	1998-05-01	1999-02-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1999-02-01	Present	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	1982-01-01	1995-07-01	DAILY	2400			
TEMP	1995-07-01	1998-05-01	DAILY	2400			
PRECIP	1998-05-01	1999-02-01	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1998-05-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1998-05-01	DAILY	2400	UNIV	RCRD	
TEMP	1998-05-01	1999-02-01	DAILY	2400	HYGR		
PRECIP	1999-02-01	Present	DAILY	2400	SRG		
TEMP	1999-02-01	Present	DAILY	2400	HYGR		
TEMP	1947-03-15	1982-01-01	DAILY	2400			

* 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.info@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