

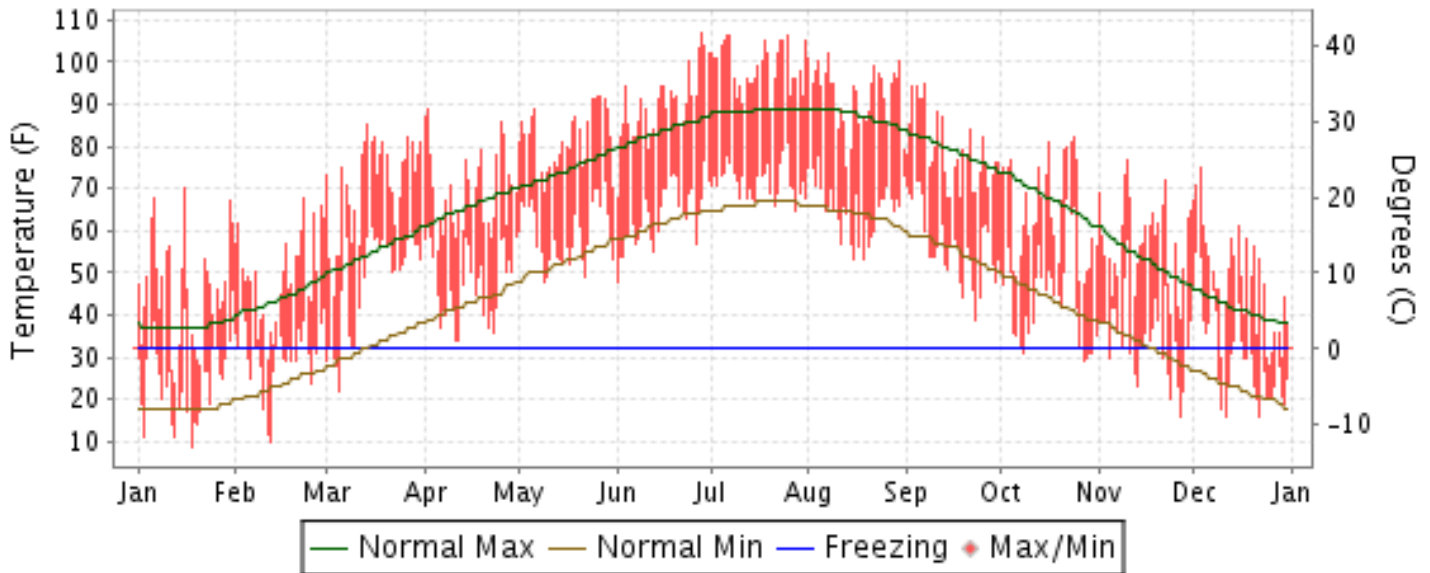


2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

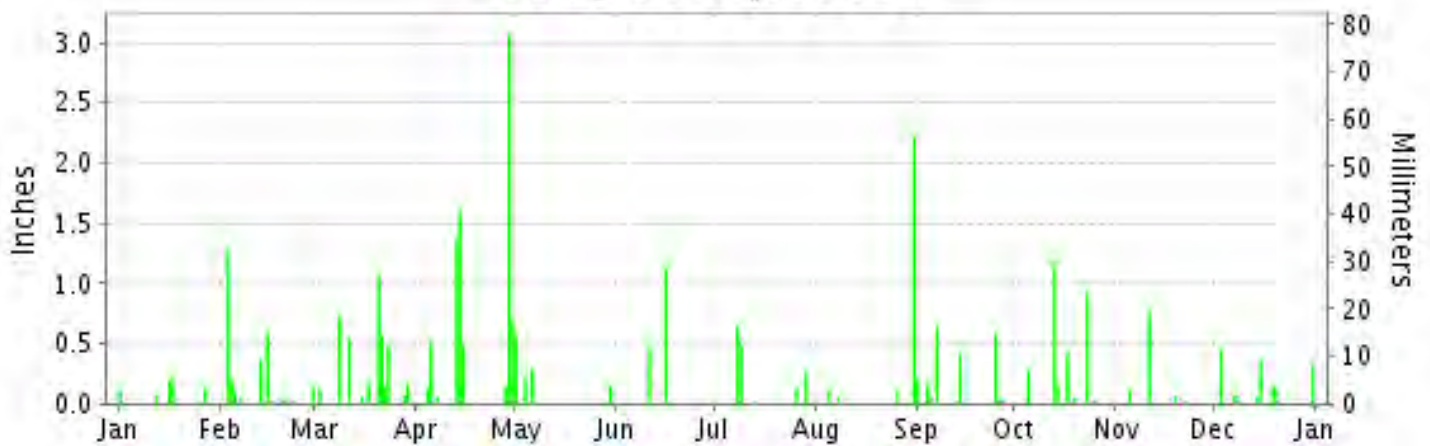
ISSN 0198-2834

COLUMBIA, MISSOURI (KCOU)

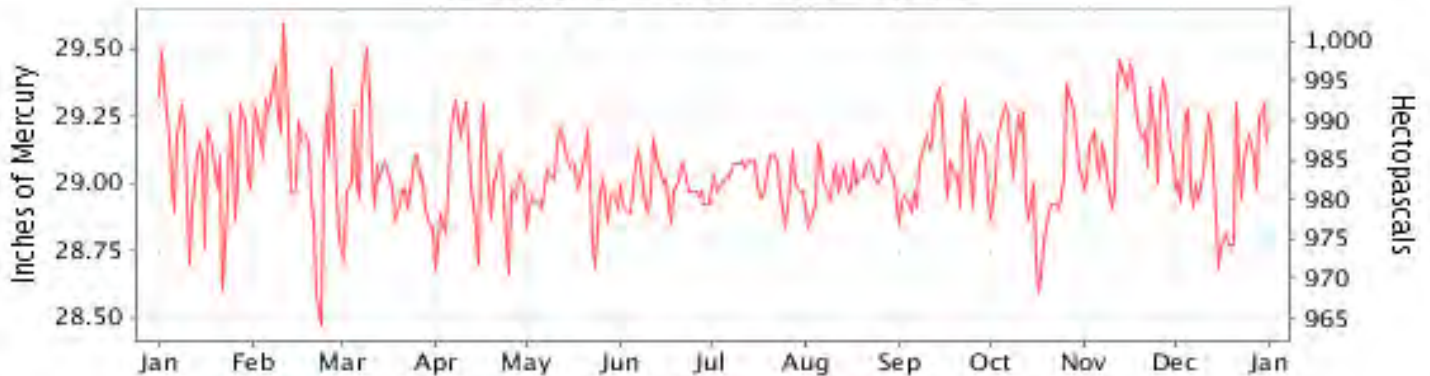
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
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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 2012

COLUMBIA (KCOU)

LATITUDE: 38° 49'N LONGITUDE: 92° 13'W ELEVATION (FT): GRND: 893 BARO: 884 TIME ZONE: CENTRAL (UTC -6) WBAN: 03945

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	46.0	49.1	71.0	69.6	81.8	89.8	98.9	92.0	79.0	64.9	57.2	47.9	70.6	
	HIGHEST DAILY MAXIMUM	70	68	85	89	92	107	106	102	95	82	77	75	107	
	DATE OF OCCURRENCE	16	23	14	02	27+	28	25+	07	07	24	10	03	JUN 28	
	MEAN DAILY MINIMUM	24.7	30.6	48.4	47.8	59.3	63.8	71.8	65.3	56.7	44.0	34.3	30.1	48.1	
	LOWEST DAILY MINIMUM	9	10	22	34	48	48	65	53	39	29	16	16	9	
	DATE OF OCCURRENCE	18	12	05	11	09	01	28	18+	23	27	27	22+	JAN 18	
	AVERAGE DRY BULB	35.4	39.9	59.7	58.7	70.6	76.8	85.4	78.7	67.9	54.5	45.8	39.0	59.4	
	MEAN WET BULB	30.7		52.2	52.9	62.0	65.0	71.1	65.4	60.6	48.6	40.2	35.0		
	MEAN DEW POINT	23.5		45.5	47.0	55.6	57.8	63.9	56.7	55.9	42.8	32.9	29.9		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	5	16	30	20	5	0	0	0	0	76
	MAXIMUM <= 32°	5	1	0	0	0	0	0	0	0	0	0	5	11	
MINIMUM <= 32°	25	19	5	0	0	0	0	0	0	6	12	20	87		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	908	722	206	220	17	7	0	0	49	348	570	798	3845	
	COOLING DEGREE DAYS	0	0	48	39	198	369	640	429	141	29	3	0	1896	
RH	MEAN (PERCENT)	66	64	64	65	61	55	53	52	70	68	63	72	63	
	HOUR 00 LST	70	70	70	74	71	64	65	62	80	74	66	75	70	
	HOUR 06 LST	76	76	80	81	79	75	75	75	86	84	76	79	79	
	HOUR 12 LST	57	58	56	56	48	41	37	36	56	55	53	65	52	
	HOUR 18 LST	58	57	55	56	51	39	38	36	61	61	57	68	53	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	3	0	0	0	1	0	1	3	0	2	3	14	
	THUNDERSTORMS	2	0	6	6	4	2	5	3	4	4	0	1	37	
PR	MEAN STATION PRESS. (IN.)	29.07	29.13	29.02	29.01	28.99	28.99	29.02	29.01	29.07	29.03	29.19	29.03	29.05	
	MEAN SEA-LEVEL PRESS. (IN.)	30.06	30.11	29.97	29.95	29.94	29.92	29.95	29.95	30.01	30.00	30.17	30.02	30.00	
WINDS	RESULTANT SPEED (MPH)	3.6	1.7	4.6	1.4	2.3	3.5	0.9	1.5	0.3	2.0	2.9	1.8	1.6	
	RES. DIR. (TENS OF DEGS.)	26	26	18	16	17	17	20	08	09	24	17	23	20	
	MEAN SPEED (MPH)	10.5	9.7	10.2	9.4	8.4	8.5	6.6	7.1	7.2	9.0	8.6	9.4	8.7	
	PREVAIL.DIR.(TENS OF DEGS.)	30	30	18	18	17	17	23	11	15	18	17	17	17	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	33	39	37	35	28	32	29	26	37	30	32	38	39	
	DIR. (TENS OF DEGS.)	26	26	20	31	20	32	32	25	34	29	17	24	26	
	DATE OF OCCURRENCE	23	29	06	30	28	16	26	16	07	25	11	20	FEB 29	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	45	49	49	45	35	40	37	32	44	40	41	49	49	
DIR. (TENS OF DEGS.)	27	26	20	31	17	34	32	24	34	25	17	30	30		
DATE OF OCCURRENCE	23	29	06	30	02	11	26	16	07	18	11	20	DEC 20		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.74	2.89	4.22	8.05	1.31	1.63	1.58	2.53	2.24	3.08	0.99	1.64	30.90	
	GREATEST 24-HOUR (IN.)	0.23	1.37	1.31	3.22	0.59	1.17	1.15	2.23	0.66	1.35	0.77	0.46	3.22	
	DATE OF OCCURRENCE	17	03-04	20-21	29-30	01	16	08-09	31	07	13-14	11	03	APR 29-30	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	6	11	11	11	5	2	5	6	9	8	4	10	88		
PRECIPITATION 0.10	3	5	9	8	4	2	4	3	5	5	2	5	55		
PRECIPITATION 1.00	0	1	1	3	0	1	0	1	0	1	0	0	8		
SNOWFALL	SNOW,ICE PELLETS,HAIL	1.6	3.7	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	9.0	
	TOTAL (IN.)	1.0	3.4	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.4	
	GREATEST 24-HOUR (IN.)	12	13	02									31	FEB 13	
	DATE OF OCCURRENCE	1	3	0	0	0	0	0	0	0	0	0	1	3	
	MAXIMUM SNOW DEPTH (IN.)	28+	14										21	FEB 14	
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	1	1	0	0	0	0	0	0	0	0	0	2	4		

PRECIPITATION (inches) 2012 COLUMBIA (KCOU)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	0.28	0.45	2.74	9.06	4.94	3.82	1.97	3.27	3.20	4.96	8.87	2.72	46.28
1984	0.30	3.18	4.48	7.23	3.46	6.87	5.29	0.88	5.58	4.55	3.89	4.99	50.70
1985	1.13	6.18	3.18	2.89	5.04	10.28	1.91	6.14	2.08	2.74	10.42	3.38	55.37
1986	0.05	4.10	1.16	2.67	5.33	1.98	3.43	3.01	9.58	6.02	2.31	2.05	41.69
1987	2.04	0.90	1.82	1.87	2.78	2.24	5.24	3.17	2.92	1.75	3.35	5.48	33.56
1988	1.57	2.23	4.09	1.97	2.45	0.47	2.26	4.14	2.32	1.25	4.35	3.42	30.52
1989	1.32	1.57	2.95	1.94	4.84	3.23	7.36	7.24	1.54	1.44	0.42	0.78	34.63
1990	1.97	3.86	7.22	2.84	10.51	7.20	6.00	3.95	0.93	2.58	3.07	3.49	53.62
1991	1.56	0.11	2.13	4.45	4.17	2.36	3.23	3.86	3.43	3.81	3.09	2.72	34.92
1992	0.52	1.96	3.82	1.83	1.57	1.64	5.40	1.61	4.25	1.03	8.10	2.64	34.37
1993	2.37	1.99	2.14	5.54	4.81	7.28	10.16	8.37	12.06	2.05	4.20	1.52	62.49
1994	0.82	2.15	1.31	11.69	2.39	2.87	1.51	4.08	1.01	4.16	5.38	0.90	38.27
1995	4.78	1.80	0.96	7.19	12.31	6.05	4.84	4.55	1.59	1.15	1.30	1.72	48.24
1996	2.90	0.37	2.37	6.49	6.52	2.35	3.50	1.76	5.70	2.86	4.69	.48	39.99
1997	2.35	4.85	1.86	2.70	5.78	3.16	0.42	5.50	2.30	3.11	3.34	1.79	37.16
1998	1.42	4.30	4.60	5.07	1.43	7.05	5.58	0.43	4.40	7.28	1.87	1.22	44.65
1999	3.00	2.15	2.49	5.15	3.88	3.32	1.85	0.83	1.43	1.31	1.00	3.36	29.77
2000	0.77	3.39	2.11	0.89	5.55	5.44	4.07	9.10	1.75	3.60	1.74	0.87	39.28
2001	2.69	4.41	1.09	3.40	6.37	5.24	3.98	3.23	3.01	4.03	1.61	1.45	40.51
2002	2.58	0.62	1.61	4.69	10.08	3.30	2.32	8.49	1.60	4.02	0.91	2.08	42.30
2003	0.88	1.40	2.81	4.37	4.93	5.58	1.07	3.03	7.76	2.13	2.00	3.47	39.43
2004	2.37	0.70	7.25	3.77	5.47	2.73	5.10	6.26	1.10	4.82	5.40	0.98	45.95
2005	5.94	1.94	0.92	4.33	2.01	4.66	0.62	10.19	5.60	2.97	1.08	0.95	41.21
2006	1.91	0.11	3.37	3.25	1.94	3.77	2.09	4.48	1.63	3.46	2.76	1.35	30.12
2007	2.73	2.01	2.35	4.29	2.89	4.36	1.20	1.45	2.91	3.75	1.46	3.52	32.92
2008	2.57	3.69	5.37	4.27	6.34	5.44	10.52	2.58	10.77	1.28	1.38	2.57	56.78
2009	0.26	2.34	3.67	5.85	4.27	4.40	7.14	3.37	3.54	10.99	1.87	2.76	50.46
2010	2.28	2.33	2.82	6.89	4.36	4.02	7.51	4.42	6.97	0.36	1.73	2.28	45.97
2011	1.03	3.13	4.31	3.96	4.60	4.75	3.22	3.19	2.52	0.96	4.50	3.51	39.68
2012	0.74	2.89	4.22	8.05	1.31	1.63	1.58	2.53	2.24	3.08	0.99	1.64	30.90
POR= 105 YRS	1.87	1.92	3.03	4.04	4.85	4.61	3.49	3.83	4.16	3.11	2.63	2.08	39.62

WBAN : 03945

AVERAGE TEMPERATURE (°F) 2012 COLUMBIA (KCOU)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	31.9	38.1	43.6	48.2	60.4	71.7	79.7	82.1	69.4	56.5	45.5	17.6	53.7
1984	27.6	40.0	36.7	52.5	60.8	74.4	75.5	78.8	66.2	58.4	43.3	38.5	54.4
1985	19.9	27.5	48.2	58.8	64.5	69.0	76.6	72.5	67.5	58.4	42.3	24.5	52.5
1986	33.6	32.7	48.2	58.2	66.0	76.0	80.2	71.7	71.4	57.2	39.3	34.6	55.8
1987	29.6	39.8	47.4	55.5	69.1	75.6	79.2	77.1	67.7	51.6	46.2	35.9	56.2
1988	27.7	28.1	43.8	54.1	66.1	75.2	78.6	79.0	69.5	51.1	45.3	34.0	54.4
1989	38.1	23.2	43.7	54.9	61.6	70.2	76.4	74.2	63.5	57.7	43.7	21.5	52.4
1990	39.5	38.3	46.3	53.1	59.5	73.2	75.5	75.2	70.6	55.3	50.3	31.7	55.7
1991	25.9	39.9	48.7	57.8	70.2	75.9	77.9	76.7	67.4	57.3	39.1	37.0	56.2
1992	35.2	40.1	46.5	55.0	62.1	70.3	75.2	70.3	66.0	56.8	40.7	33.4	54.3
1993	29.5	29.3	39.9	51.5	63.4	72.4	78.3	76.9	62.7	52.9	40.0	34.6	52.6
1994	24.6	31.5	45.7	54.8	62.9	75.3	75.2	74.5	66.2	57.7	47.8	37.7	54.5
1995	26.9	34.5	46.4	53.1	60.8	73.0	78.2	80.7	64.5	57.5	39.9	31.8	53.9
1996	26.3	35.0	38.2	52.1	65.6	72.2	74.3	75.1	64.8	56.3	37.9	33.3	52.6
1997	25.2	36.4	45.8	48.9	58.7	71.1	77.3	74.8	68.2	56.7	40.5	33.4	53.1
1998	34.8	40.8	40.8	53.8	69.7	73.1	76.9	77.0	72.6	57.7	48.3	35.2	56.7
1999	28.3	41.6	41.6	56.4	63.6	72.2	80.0	75.7	66.8	56.7	51.8	36.2	55.9
2000	31.7	42.0	47.2	54.0	67.1	70.3	75.8	78.5	67.9	59.9	38.7	19.8	54.4
2001	29.3	33.3	39.9	61.4	65.1	71.2	78.4	76.8	66.2	55.4	50.8	37.5	55.4
2002	34.4	37.0	40.2	56.5	60.3	74.1	78.8	77.1	70.2	51.6	41.1	35.1	54.7
2003	25.5	29.7	44.5	56.7	63.1	69.2	77.4	79.1	64.3	56.7	46.0	36.0	54.0
2004	27.6	32.6	47.0	56.5	66.4	70.4	74.2	70.2	68.7	58.2	46.8	35.4	54.5
2005	31.6	39.4	43.3	57.1	64.1	75.5	79.6	78.1	71.3	56.9	46.7	31.1	56.2
2006	41.1	34.0	46.3	61.1	64.9	73.8	80.3	79.4	65.6	53.3	47.0	37.8	57.1
2007	30.8	28.9	52.8	52.4	69.3	74.0	76.5	82.9	72.8	60.7	45.0	33.3	56.6
2008	31.4	30.9	43.8	53.2	62.6	73.8	76.6	73.4	67.0	55.7	42.4	29.8	53.4
2009	27.0	36.8	46.6	53.1	64.0	74.2	72.3	72.0	66.5	50.7	50.0	30.7	53.7
2010	24.7	27.0	45.8	60.4	64.4	76.6	78.7	78.3	68.2	58.7	46.0	28.5	54.8
2011	24.7	31.9	44.5	57.6	62.4	75.1	82.2	77.5	64.2	58.1	47.4	37.8	55.3
2012	35.4	39.9	59.7	58.7	70.6	76.8	85.4	78.7	67.9	54.5	45.8	39.0	59.4
POR= 105 YRS	29.6	31.4	44.0	54.1	64.2	71.9	77.9	76.5	67.3	57.1	43.3	33.3	54.2

HEATING DEGREE DAYS (base 65°F) 2012 COLUMBIA (KCOU)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0	0	84	271	575	1466	1153	720	871	383	155	0	5678
1984-85	0	0	125	213	646	814	1391	1042	518	225	63	16	5053
1985-86	0	2	99	210	674	1249	964	897	521	227	53	0	4896
1986-87	0	15	13	251	765	937	1093	699	539	307	19	0	4638
1987-88	0	2	29	409	560	898	1150	1064	653	323	37	2	5127
1988-89	4	2	16	434	583	955	828	1164	660	356	169	14	5185
1989-90	0	2	122	244	635	1342	781	740	590	390	172	13	5031
1990-91	7	1	39	311	435	1027	1205	698	511	221	49	0	4504
1991-92	0	0	110	254	771	861	918	717	567	320	136	15	4669
1992-93	0	13	88	264	722	973	1094	995	775	396	87	27	5434
1993-94	0	4	117	375	743	935	1244	930	592	327	107	3	5377
1994-95	0	5	79	248	514	843	1173	848	567	357	153	0	4787
1995-96	0	0	122	236	747	1019	1191	863	823	392	106	23	5522
1996-97	0	0	90	274	805	975	1228	792	589	477	212	15	5457
1997-98	3	0	29	309	727	971	930	673	757	332	32	35	4798
1998-99	0	0	6	236	490	918	1131	650	718	269	76	17	4511
1999-00	0	0	77	264	389	884	1024	663	546	327	68	13	4255
2000-01	0	0	68	191	791	1393	1099	880	769	178	82	20	5471
2001-02	0	0	67	300	421	846	943	777	762	295	176	1	4588
2002-03	0	0	23	437	714	920	1217	983	625	272	93	36	5320
2003-04	0	0	84	254	568	894	1150	933	555	278	92	3	4811
2004-05	0	19	18	223	540	911	1026	708	663	253	104	0	4465
2005-06	0	0	32	286	547	1044	735	865	576	155	119	0	4359
2006-07	0	0	66	396	533	837	1053	1006	394	392	27	0	4704
2007-08	0	0	19	200	593	977	1037	983	651	366	125	0	4951
2008-09	0	0	39	298	673	1085	1169	785	567	387	90	7	5100
2009-10	0	11	34	436	446	1055	1247	1055	593	167	117	0	5161
2010-11	0	0	28	199	562	1126	1243	922	633	247	176	0	5136
2011-12	0	0	110	243	522	838	908	722	206	220	17	7	3793
2012-	0	0	49	348	570	798							

WBAN : 03945

COOLING DEGREE DAYS (base 65°F) 2012 COLUMBIA (KCOU)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	0	3	23	223	460	536	222	14	0	0	1481
1984	0	0	0	15	30	287	331	436	166	14	0	1	1280
1985	0	0	7	46	56	143	367	243	180	13	0	0	1055
1986	0	0	10	31	90	337	479	231	212	15	0	0	1405
1987	0	0	0	29	151	324	447	384	113	0	3	0	1451
1988	0	0	2	1	78	317	433	442	159	12	0	0	1444
1989	0	0	6	63	73	176	364	293	83	25	2	0	1085
1990	0	0	17	37	10	264	342	326	214	18	1	0	1229
1991	0	0	12	11	219	338	405	371	190	22	0	0	1568
1992	0	0	0	27	53	181	326	184	126	18	0	0	915
1993	0	0	2	0	46	259	419	379	56	6	0	0	1167
1994	0	0	1	26	48	319	322	305	120	28	4	0	1173
1995	0	0	0	6	30	249	416	495	114	11	0	0	1321
1996	0	2	0	10	134	246	306	320	91	12	0	0	1121
1997	0	0	0	0	24	208	389	311	130	57	0	0	1119
1998	0	0	14	4	186	282	375	379	240	15	0	0	1495
1999	0	0	0	19	41	239	475	336	140	17	0	0	1267
2000	0	0	1	4	140	180	340	430	161	42	7	0	1305
2001	0	0	0	76	91	213	425	373	108	8	0	0	1294
2002	0	0	0	48	36	282	435	383	187	30	0	0	1401
2003	0	0	0	28	42	169	391	441	72	5	3	0	1151
2004	0	0	2	27	144	171	293	184	135	18	0	0	974
2005	0	0	0	22	85	326	458	414	226	42	6	0	1579
2006	0	0	3	44	123	271	480	454	92	43	0	0	1510
2007	0	0	23	19	167	276	365	562	262	74	1	0	1749
2008	0	0	0	19	56	269	369	267	106	19	0	0	1105
2009	0	0	2	38	67	289	234	236	86	0	0	0	952
2010	0	0	5	37	106	357	434	418	131	12	0	0	1500
2011	0	0	4	29	102	309	541	395	94	34	0	0	1508
2012	0	0	48	39	198	369	640	429	141	29	3	0	1896

SNOWFALL (inches) 2012 COLUMBIA (KCOU)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0.0	0.0	0.0	0.0	1.1	11.7	2.5	9.8	7.2	0.0	0.0	0.0	32.3
1984-85	0.0	0.0	0.0	0.0	2.7	1.6	14.8	7.1	T	0.0	0.0	0.0	26.2
1985-86	0.0	0.0	0.0	0.0	0.2	3.0	T	8.5	T	T	0.0	0.0	11.7
1986-87	0.0	0.0	0.0	0.0	T	T	21.2	T	T	0.0	0.0	0.0	21.2
1987-88	0.0	0.0	0.0	0.0	1.0	16.1	1.4	10.5	4.0	0.0	0.0	0.0	33.0
1988-89	0.0	0.0	0.0	0.0	2.3	3.6	3.7	13.3	8.1				
1989-90					0.5	6.9	0.7	6.3	8.8	0.0	T	T	
1990-91	0.0	0.0	0.0	0.0	0.2	6.1	8.0	0.2	T	0.0	0.0	0.0	14.5
1991-92	0.0	0.0	0.0	0.0	5.5	0.7	2.0	3.5	1.9	T	0.0	0.0	13.6
1992-93	0.0	0.0	0.0	0.0	0.6	1.4	7.4	20.2	2.2	T	0.0	0.0	31.8
1993-94	0.0	0.0	0.0	T	1.2	0.8	2.8	2.5	0.7	1.4	0.0	0.0	9.4
1994-95	0.0	0.0	0.0	0.0	0.0	1.2	21.6	2.3	2.2	T	0.0	0.0	27.3
1995-96	T	0.0	0.0	0.0	2.3	6.9	8.6	1.3	0.7	T	0.0	0.0	19.8
1996-97	0.0	0.0	0.0	0.0	1.0	1.1	15.2	1.1	T	T	0.0	0.0	18.4
1997-98	0.0	0.0	0.0	T	0.2	6.6	1.0	T	6.4	2.5	0.0	0.0	16.7
1998-99	0.0	0.0	0.0	0.0	0.0	1.0	10.5	1.5	T	0.0	0.0	0.0	13.0
1999-00	0.0	0.0	0.0	0.0	0.0	0.2	6.1	0.1	7.4	T	0.0	0.0	13.8
2000-01	0.0	0.0	0.0	0.0	0.0	8.8	0.2	2.7	T	0.0	0.0	0.0	11.7
2001-02	0.0	0.0	0.0	0.0	T	T	4.0	T	4.8	0.0	0.0	0.0	8.8
2002-03	0.0	0.0	0.0	0.0	T	6.2	7.1	4.2	0.0	T	0.0	0.0	17.5
2003-04	0.0	T	0.0	0.0	0.0	8.7	2.4	1.2	T	0.0	T	0.0	12.3
2004-05	0.0	0.0	0.0	0.0	5.2	0.0	5.6	1.3	T	T	0.0	0.0	12.1
2005-06	0.0	0.0	0.0	0.0	T	2.1	T	1.3	T	T	0.0	0.0	3.4
2006-07	0.0	0.0	0.0	0.0	2.3	13.0	7.4	3.7	0.8	T	0.0	0.0	27.2
2007-08	0.0	0.0	0.0	0.0	T	10.0	1.5	2.9	T	T	0.0	0.0	14.4
2008-09	0.0	0.0	0.0	0.0	0.5	1.9	1.2	T	T	T	0.0	0.0	3.6
2009-10	0.0	0.0	0.0	0.0	T	5.0	5.2	9.3	1.2	0.0	0.0	0.0	20.7
2010-11	T	0.0	0.0	0.0	T	8.4	13.9	23.3	7.8	0.0	0.0	0.0	53.4
2011-12	0.0	0.0	0.0	0.0	T	1.3	1.6	3.7	T	0.0	0.0	0.0	6.6
2012-	0.0	0.0	0.0	0.0	0.0	3.7							
POR= 42 YRS	T	T	0.0	T	1.5	4.6	6.3	5.7	2.9	0.6	T	T	21.6

WBAN : 03945

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

SATION 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.

The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.

- 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.
- 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at:
<http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt>.

2012 COLUMBIA MISSOURI (KCOU)

Columbia, Missouri, with its interior continental location, experiences moderately cold winters and warm summers that are often humid.

There are usually a few days of temperatures below zero during the winter months, but there have been several winters when the temperature did not get this cold. Periods of cold weather are usually interrupted by periods of at least a few mild days. It is not uncommon to find some days with temperatures in the 60s in the midst of the winter months. Some snow falls each winter, but it is very unlikely that a snow cover will persist for more than three weeks. Most of the time when snow does fall, it stays on the ground for less than a week. March is the month in which substantial amounts of snowfall are most likely.

Temperatures of 100 degrees or more occur in most summers, but there have been several summers when temperatures failed to reach this high. The late spring and early summer months produce more frequent and larger amounts of rain than the other months of the year. Thus, in addition to being warm, these months are often quite humid. By late summer smaller amounts of rain fall and rains occur less frequently, so by mid-August, the moisture in the top 2 feet of soil is often depleted.

The average occurrence of the last temperature as cold as 32 degrees in spring is early April, and the first 32 degree temperature in the fall occurs in late October.

Station History

COLUMBIA, MO

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
COLUMBIA WB AP	1969-10-01	1969-11-01	38° 49'	-92° 13'	886		AIRWAYS, COOP
COLUMBIA WB AP	1995-09-01	1996-06-30	38° 49'	-92° 13'	893		ASOS, COOP, WXSVC
COLUMBIA REGIONAL AP	1996-12-01	2000-02-14	38° 49'	-92° 13'	893	.3 MI E	AIRWAYS, ASOS, COOP
COLUMBIA REGIONAL AP	2000-02-14	2010-11-01	38° 49'	-92° 13'	893		AIRWAYS, ASOS, COOP
COLUMBIA WB AP	1970-01-01	1988-02-10	38° 49'	-92° 13'	887		COOP, WXSVC
COLUMBIA REGIONAL AP	2010-11-01	Present	38° 49'	-92° 13'	893		AIRWAYS, ASOS, COOP
COLUMBIA WB AP	1968-10-01	1969-08-31	38° 49'	-92° 13'			AIRWAYS, COOP
COLUMBIA WB AP	1969-11-01	1970-01-01	38° 49'	-92° 13'	887		AIRWAYS, COOP
COLUMBIA WB AP	1988-02-10	1995-09-01	38° 49'	-92° 13'	890		COOP, WXSVC
COLUMBIA WB AP	1996-06-30	1996-12-01	38° 49'	-92° 13'	893		AIRWAYS, ASOS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1968-10-01	1974-08-01	DAILY	2400			
PRECIP	1974-08-01	1988-02-10	DAILY	2400	UNIV	RCRD	
PRECIP	1988-02-10	1995-07-01	DAILY	2400	UNIV	RCRD	
TEMP	2010-11-01	Present	DAILY	2400	HYGR		
PRECIP	1988-02-10	1995-07-01	HOURLY	2400			
TEMP	1995-07-01	1995-09-01	DAILY	2400	MXMN		
PRECIP	1995-09-01	2000-02-14	HOURLY	2400	TB	RCRD	
PRECIP	2002-02-08	2010-11-01	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1974-08-01	1988-02-10	HOURLY	2400			
TEMP	1974-08-01	1988-02-10	DAILY	2400			
PRECIP	1995-09-01	2000-02-14	DAILY	2400	TB	RCRD	
TEMP	1995-09-01	2000-02-14	DAILY	2400	HYGR		
TEMP	2002-02-08	2010-11-01	DAILY	2400	HYGR		
PRECIP	1995-07-01	1995-09-01	DAILY	2400	UNIV	RCRD	
PRECIP	2002-02-08	2010-11-01	DAILY	2400	TB	RCRD	
PRECIP	2010-11-01	Present	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
PRECIP	1968-10-01	1974-08-01	DAILY	2400	UNIV	RCRD	
PRECIP	2000-02-14	2002-02-08	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	1995-07-01	1995-09-01	HOURLY	2400	UNIV	RCRD	
TEMP	2000-02-14	2002-02-08	DAILY	2400	HYGR		
SNOWDPTH	2010-11-01	Present	DAILY	VAR	SNOWSTICK		
TEMP	1988-02-10	1995-07-01	DAILY	2400	MXMN		
PRECIP	2000-02-14	2002-02-08	DAILY	2400			
PRECIP	2010-11-01	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

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Email : 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