

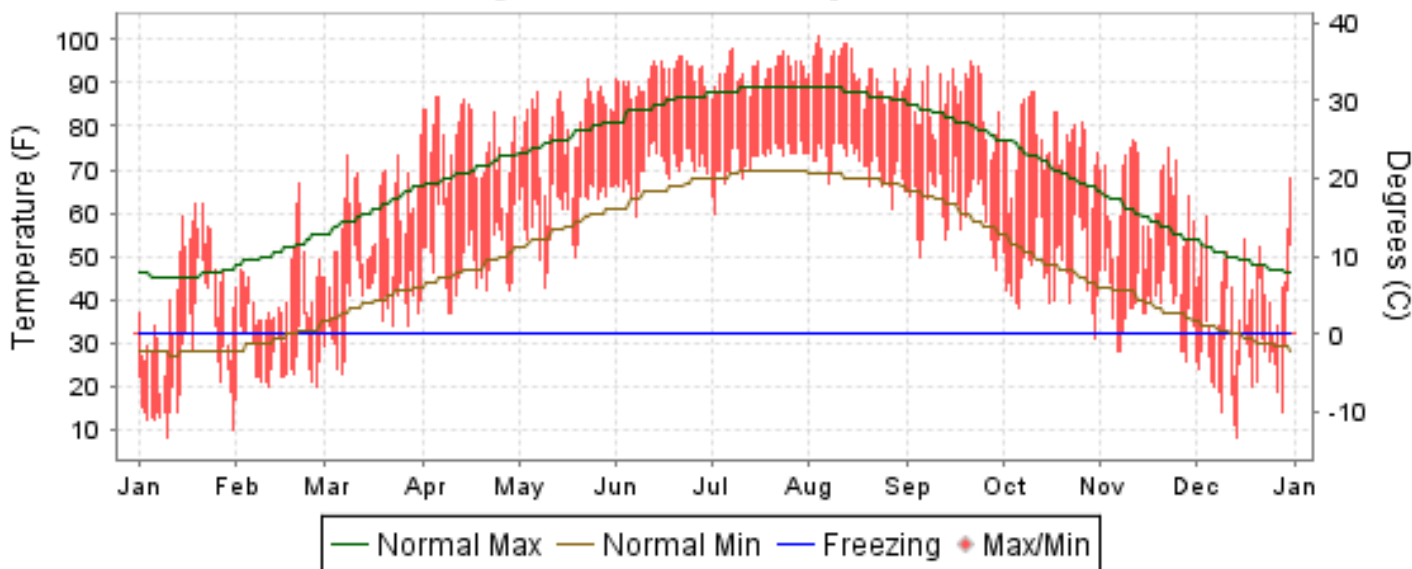


# 2010 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

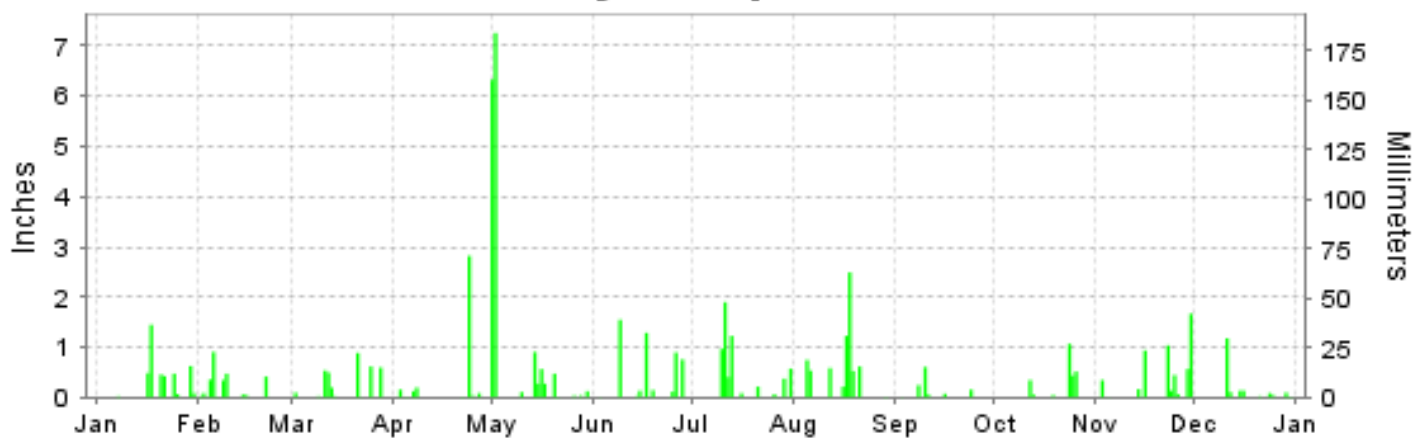
ISSN 0198-4845

## NASHVILLE, TENNESSEE (KBNA)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2010

## NASHVILLE (KBNA)

LATITUDE: 36° 7' N      LONGITUDE: -86° 41' W      ELEVATION (FT): GRND: 600    BARO: 574      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13897

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	41.3	42.4	58.8	75.9	80.3	91.5	92.6	92.6	85.9	76.0	62.9	42.2	70.2	
	HIGHEST DAILY MAXIMUM	62	67	78	87	91	96	98	101	95	88	77	68	101	
	DATE OF OCCURRENCE	21+	21	31	06+	23	22+	08	04	21	11+	11	31	AUG 04	
	MEAN DAILY MINIMUM	24.7	26.5	38.7	49.7	60.1	70.2	72.2	71.2	61.0	46.8	38.9	26.5	48.9	
	LOWEST DAILY MINIMUM	8	17	23	37	43	59	60	61	47	31	26	8	8	
	DATE OF OCCURRENCE	10	01	06	10+	09	07	02	27	29	30	28	14	DEC 14	
	AVERAGE DRY BULB	33.0	34.5	48.8	62.8	70.2	80.9	82.4	81.9	73.5	61.4	50.9	34.4	59.6	
	MEAN WET BULB	29.8	30.6	43.3	53.8	63.8	72.3	73.1	72.6	63.9	51.4	45.1	30.2	52.5	
	MEAN DEW POINT	23.7	24.1	36.6	45.1	59.9	68.3	68.9	68.6	57.8	42.2	38.9	23.2	46.4	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	1	21	25	22	13	0	0	0	82	
MAXIMUM <= 32°	11	1	0	0	0	0	0	0	0	0	0	6	18		
MINIMUM <= 32°	23	23	6	0	0	0	0	0	0	1	6	26	85		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	984	849	495	119	40	0	0	0	7	141	416	941	3992	
	COOLING DEGREE DAYS	0	0	0	59	210	480	547	530	267	37	0	0	2130	
RH	MEAN (PERCENT)	71	69	66	56	74	69	67	69	62	56	68	66	66	
	HOUR 00 LST	76	75	74	70	86	82	80	81	76	72	77	72	77	
	HOUR 06 LST	80	80	83	80	86	86	84	85	83	78	83	72	82	
	HOUR 12 LST	63	61	56	39	59	55	50	53	43	35	54	58	52	
	HOUR 18 LST	64	61	56	40	66	59	56	59	49	43	60	63	56	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	2	1	1	2	0	0	0	0	0	1	0	9	
	THUNDERSTORMS	3	0	3	2	8	9	10	8	1	4	0	0	48	
CLOUDNESS	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.)	29.49	29.38	29.29	29.34	29.35	29.35	29.38	29.33	29.36	29.41	29.45	29.45	29.38	
	MEAN SEA-LEVEL PRESS. (IN.)	30.14	30.04	29.95	29.98	29.98	29.98	30.01	29.96	30.00	30.05	30.10	30.13	30.03	
WINDS	RESULTANT SPEED (MPH)	1.7	3.2	1.0	3.1	1.7	1.9	1.2	0.9	0.9	0.9	1.5	1.6	0.9	
	RES. DIR. (TENS OF DEGS.)	31	31	26	21	18	22	20	05	32	28	22	31	26	
	MEAN SPEED (MPH)	6.8	6.1	6.8	7.2	6.0	5.0	4.5	4.4	4.5	5.3	6.1	7.5	5.9	
	PREVAIL.DIR.(TENS OF DEGS.)	33	33	18	18	18	18	18	03	35	18	18	17	18	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	30	23	29	28	30	29	36	33	30	37	29	30	37	
	DIR. (TENS OF DEGS.)	16	29	20	18	29	32	19	27	29	20	33	18	20	
	DATE OF OCCURRENCE	24	15	28	06	17	09	11	05	11	26	25	31	OCT 26	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	38	36	40	43	47	40	40	48	40	46	41	41	48	
DIR. (TENS OF DEGS.)	14	28	21	28	19	31	19	26	29	19	20	18	26		
DATE OF OCCURRENCE	24	09	28	07	02	09	11	05	11	26	25	31	AUG 05		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.13	2.77	3.52	3.48	16.43	4.96	5.86	6.99	1.17	2.49	5.41	1.87	59.08	
	GREATEST 24-HOUR (IN.)	1.94	1.19	0.90	2.82	9.09	1.55	1.97	3.14	0.61	1.51	2.23	1.18	9.09	
	DATE OF OCCURRENCE	16-17	04-05	21-22	24	01-02	09	11-12	17-18	10	24-25	29-30	11	MAY 01-02	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	9	10	10	8	12	10	10	9	6	6	10	10	110	
PRECIPITATION 0.10	6	5	7	4	9	7	7	8	3	4	8	5	73		
PRECIPITATION 1.00	1	0	0	1	2	2	2	2	0	1	2	1	14		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	4.8	2.3	T	T	0.0	0.0	0.0	0.0	0.0	0.0	T	4.5	11.6	
	GREATEST 24-HOUR (IN.)	3.9	1.5	T	T	0.0	0.0	0.0	0.0	0.0	0.0	T	2.6	3.9	
	DATE OF OCCURRENCE	29	08	25+	27							26	12	JAN 29	
	MAXIMUM SNOW DEPTH (IN.)	4	3	0	0	0	0	0	0	0	0	0	2	4	
	DATE OF OCCURRENCE	31+	01										26+	JAN 31+	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	1	1	0	0	0	0	0	0	0	0	0	2	4		



**PRECIPITATION (inches) 2010 NASHVILLE (KBNA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	1.60	3.83	3.38	4.78	3.05	8.05	3.49	3.10	1.37	2.82	3.83	2.38	41.68
1982	6.50	4.80	3.00	4.36	4.19	2.28	5.47	3.46	3.23	1.91	3.87	6.36	49.43
1983	2.56	2.93	3.44	6.80	11.04	3.93	1.71	1.36	0.45	2.77	6.98	7.75	51.72
1984	1.79	2.38	5.14	8.41	9.68	4.49	6.63	2.42	0.97	6.00	6.20	2.38	56.49
1985	3.02	3.30	2.70	2.91	2.65	1.53	2.00	3.91	2.52	1.59	3.81	0.98	30.92
1986	0.19	3.59	2.29	0.52	3.36	2.38	0.77	3.38	2.19	2.19	7.43	3.31	31.60
1987	1.61	4.87	1.18	1.03	4.41	2.82	2.56	0.73	1.95	0.21	3.40	5.46	30.23
1988	3.73	2.02	2.18	2.09	1.86	0.45	3.26	2.39	2.45	1.54	5.49	3.95	31.41
1989	4.52	9.36	5.31	2.68	4.61	7.87	3.18	3.67	6.30	3.62	3.94	1.97	57.03
1990	2.76	4.73	3.26	1.60	2.80	2.37	4.86	3.12	2.13	4.41	4.29	10.76	47.09
1991	2.92	5.44	4.25	3.35	5.63	1.25	2.82	1.79	5.47	3.88	2.87	7.27	46.94
1992	2.97	2.60	4.50	0.77	3.12	4.31	5.89	3.25	3.45	1.62	4.48	2.88	39.84
1993	2.76	3.33	5.50	3.33	4.50	5.31	3.64	1.76	2.90	2.20	2.53	6.62	44.38
1994	4.36	6.18	7.56	5.72	3.76	8.08	4.82	5.05	4.20	3.31	4.04	2.69	59.77
1995	5.61	1.81	3.87	3.95	7.66	3.69	1.95	3.40	5.00	5.60	3.98	2.32	48.84
1996	3.82	2.46	5.15	3.68	4.48	3.68	5.45	1.09	4.89	3.16	6.00	4.77	48.63
1997	4.19	3.10	9.64	2.42	4.92	6.66	3.26	3.52	5.75	2.71	6.59	2.19	54.95
1998	3.68	4.11	3.13	6.31	4.46	11.95	4.63	2.93	1.39	1.59	1.30	6.53	52.01
1999	9.28	2.33	4.27	2.29	4.35	3.56	3.19	3.05	1.97	2.04	2.99	2.50	41.82
2000	3.52	3.75	3.34	6.23	7.66	1.74	2.25	1.95	1.90	0.26	6.39	3.44	42.43
2001	3.21	8.54	2.73	2.42	5.54	4.47	2.77	4.07	1.79	4.61	5.09	3.32	48.56
2002	4.93	1.99	9.40	4.31	3.98	3.76	5.64	3.13	6.29	4.48	2.91	5.81	56.63
2003	1.59	8.47	2.30	4.69	10.73	7.08	2.87	3.88	8.70	1.80	4.17	3.19	59.47
2004	3.60	5.77	4.81	6.69	6.90	3.39	3.19	4.24	4.55	4.90	5.21	5.93	59.18
2005	4.42	3.84	3.90	6.93	1.03	2.70	2.39	6.89	1.44	0.02	3.29	2.46	39.31
2006	6.57	2.69	2.90	4.14	4.95	2.19	2.64	5.20	4.00	2.98	4.05	3.41	45.72
2007	3.32	1.84	2.26	2.75	3.30	2.37	1.47	1.38	1.99	4.95	6.20	3.83	35.66
2008	4.76	2.53	5.56	7.20	5.54	2.21	4.32	1.67	0.88	5.03	1.75	6.72	48.17
2009	4.59	2.85	2.92	4.13	8.45	4.53	6.03	2.14	11.08	6.49	0.67	3.99	57.87
2010	4.13	2.77	3.52	3.48	16.43	4.96	5.86	6.99	1.17	2.49	5.41	1.87	59.08
POR= 63 YRS	4.35	4.09	4.83	4.16	4.97	3.96	3.77	3.31	3.51	2.79	3.96	4.43	48.13

WBAN : 13897

**AVERAGE TEMPERATURE (°F) 2010 NASHVILLE (KBNA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	35.5	42.6	47.5	64.0	64.2	77.5	79.8	76.6	68.1	60.4	49.9	38.3	58.7
1982	34.0	39.5	52.5	54.6	71.0	73.3	79.8	76.1	69.6	61.1	51.4	48.2	59.3
1983	38.8	42.7	50.3	54.5	64.8	75.5	80.5	83.2	73.7	62.4	49.9	34.0	59.2
1984	32.2	43.4	46.1	58.2	64.2	77.4	76.1	76.5	68.6	66.7	46.0	49.6	58.8
1985	27.8	36.5	53.2	61.9	68.4	75.7	80.2	77.2	70.8	64.4	56.9	34.2	58.9
1986	37.2	44.7	50.8	60.8	68.6	76.5	82.4	76.7	74.9	61.0	49.9	39.9	60.3
1987	36.1	43.1	51.8	57.7	73.4	77.5	80.2	81.1	72.2	54.6	52.4	44.1	60.4
1988	34.4	38.7	49.3	57.1	67.3	77.3	81.4	81.9	72.8	54.2	51.1	42.4	59.0
1989	44.9	39.0	52.6	59.3	65.7	74.7	79.1	78.0	70.5	61.0	51.4	29.5	58.8
1990	45.8	49.9	53.6	58.4	66.4	78.2	80.4	79.6	74.7	60.1	54.3	43.7	62.1
1991	39.2	43.9	52.5	63.8	74.2	78.2	81.1	78.3	72.3	61.2	47.2	44.5	61.4
1992	40.0	45.9	50.1	59.6	65.8	72.4	79.9	74.9	70.9	59.4	49.5	41.2	59.1
1993	41.6	39.3	47.1	56.7	67.6	75.9	83.3	81.0	71.0	58.6	47.4	40.3	59.2
1994	33.4	44.0	50.7	62.5	64.1	78.1	78.5	77.1	69.1	61.0	54.5	45.3	59.9
1995	38.6	40.4		60.9	68.5	74.7	80.8	83.3	70.7	60.0	44.0	39.5	
1996	36.3	40.6	44.6	55.8	71.5	75.6	77.6	77.5	69.5	60.8	45.7	44.4	58.3
1997	37.3	45.6	53.6	54.4	63.2	72.0	79.8	76.9	71.9	59.8	45.5	39.5	58.3
1998	44.7	46.0	49.4	57.9	71.5	77.6	79.6	79.2	77.1	63.5	52.3	43.1	61.8
1999	42.5	45.8	45.6	62.6	67.6	76.5	81.9	79.4	71.9	59.9	54.0	43.7	61.0
2000	39.2	46.7	53.1	56.7	69.9	76.4	80.3	79.8	71.3	63.8	48.0	30.8	59.7
2001	35.4	44.7	45.3	63.7	68.8	73.4	79.8	78.8	70.2	58.5	54.3	44.9	59.8
2002	42.2	40.6	49.6	62.0	65.7	76.9	80.1	80.0	75.0	61.4	46.4	40.5	60.0
2003	32.9	38.0	52.0	61.2	67.2	71.9	78.3	79.3	70.2	60.6	53.5	40.3	58.8
2004	38.6	40.7	53.3	59.4	71.7	75.6	77.7	74.3	72.1	64.5	53.6	40.0	60.1
2005	43.4	45.0	47.6	59.7	66.1	76.9	81.1	81.8	75.1	61.1	51.3	37.6	60.6
2006	46.2	40.7	51.1	65.2	66.7	75.7	80.6	82.2	71.4	59.5	51.5	46.4	61.4
2007	41.7	37.2	58.3	57.4	71.2	78.0	79.9	86.9	75.8	65.5	49.8	46.3	62.3
2008	37.0	42.9	50.2	58.1	66.8	78.1	79.6	79.0	73.9	60.2	46.4	40.7	59.4
2009	35.2	43.8	52.1	59.0	67.7	78.0	75.8	77.1	72.3	56.9	51.3	39.3	59.0
2010	33.0	34.5	48.8	62.8	70.2	80.9	82.4	81.9	73.5	61.4	50.9	34.4	59.6
POR= 63 YRS	37.8	41.4	49.7	59.5	68.1	76.0	79.7	78.7	72.0	60.6	49.4	40.9	59.5

**HEATING DEGREE DAYS (base 65°F) 2010 NASHVILLE (KBNA)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	0	0	42	175	445	820	956	707	416	309	8	0	3878
1982-83	0	0	30	194	413	537	806	620	458	322	71	0	3451
1983-84	0	0	45	121	447	956	1009	621	578	220	106	0	4103
1984-85	0	0	59	63	564	473	1146	794	383	145	25	6	3658
1985-86	0	0	30	91	264	948	854	561	432	171	55	0	3406
1986-87	0	3	0	175	447	773	889	608	401	242	6	0	3544
1987-88	0	0	7	317	376	640	941	756	485	242	43	2	3809
1988-89	0	0	5	343	408	693	618	721	397	258	90	0	3533
1989-90	0	0	36	158	408	1095	590	422	373	245	65	1	3393
1990-91	0	0	21	195	323	654	791	586	402	80	9	0	3061
1991-92	0	0	42	166	535	628	768	544	456	217	85	2	3443
1992-93	0	0	26	181	461	731	717	713	552	252	32	4	3669
1993-94	0	0	27	227	528	759	974	585	437	134	90	0	3761
1994-95	0	0	21	144	316	605	814	683		175	42	0	
1995-96	0	0	31	184	624	783	886	702	626	292	32	0	4160
1996-97	0	0	25	160	572	634	851	538	357	319	107	4	3567
1997-98	0	0	0	227	576	785	622	527	505	209	19	5	3475
1998-99	0	0	0	111	375	671	686	531	595	125	10	0	3104
1999-00	0	0	18	185	322	654	796	523	364	248	14	0	3124
2000-01	0	0	32	123	518	1051	912	565	602	124	17	7	3951
2001-02	0	0	47	218	315	617	704	677	477	171	89	0	3315
2002-03	0	0	2	161	554	752	991	748	393	147	24	8	3780
2003-04	0	0	26	150	341	761	814	698	365	201	39	0	3395
2004-05	0	3	4	63	346	767	664	554	531	179	75	0	3186
2005-06	0	0	2	196	419	845	578	677	439	97	69	0	3322
2006-07	0	0	15	222	407	568	714	774	255	269	17	0	3241
2007-08	0	0	0	102	451	571	861	636	453	224	46	0	3344
2008-09	0	0	0	202	552	747	918	583	399	229	41	0	3671
2009-10	0	0	11	253	406	791	984	849	495	119	40	0	3948
2010-	0	0	7	141	416	941							

WBAN : 13897

**COOLING DEGREE DAYS (base 65°F) 2010 NASHVILLE (KBNA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1981	0	0	1	71	81	383	464	366	145	42	0	0	1553
1982	0	0	37	4	199	256	470	352	177	84	12	21	1612
1983	0	0	9	12	69	320	488	568	315	49	2	0	1832
1984	0	0	0	21	87	382	352	364	173	121	0	1	1501
1985	0	2	24	59	137	335	479	386	206	79	29	0	1736
1986	0	0	1	52	174	352	551	371	304	59	0	0	1864
1987	0	0	0	31	272	381	479	507	227	3	7	0	1907
1988	0	0	5	17	120	380	515	531	246	17	0	0	1831
1989	0	0	21	93	120	298	446	408	208	39	8	0	1641
1990	0	4	26	51	115	401	485	458	315	52	10	0	1917
1991	0	0	22	50	300	403	507	419	268	57	4	0	2030
1992	0	0	0	60	115	233	471	311	208	15	2	0	1415
1993	0	0	1	9	121	336	573	506	215	33	7	0	1801
1994	0	3	0	66	67	400	426	381	152	26	8	0	1529
1995	0	0		60	158	297	496	573	210	34	1	0	
1996	0	4	0	22	240	324	397	395	166	35	0	2	1585
1997	0	0	13	6	61	222	465	374	211	72	0	0	1424
1998	0	0	27	5	227	391	459	447	370	69	1	1	1997
1999	0	0	0	60	100	354	533	453	229	35	1	0	1765
2000	2	0	6	6	172	346	483	467	227	95	18	0	1822
2001	0	0	0	93	146	264	468	437	209	27	2	0	1646
2002	3	0	6	87	118	364	474	471	310	55	4	0	1892
2003	0	0	0	40	99	221	417	451	187	22	5	0	1442
2004	4	0	10	38	252	323	398	297	226	52	11	0	1611
2005	0	0	0	26	118	363	502	530	313	83	15	0	1950
2006	0	0	14	112	126	327	491	540	216	58	8	0	1892
2007	0	0	53	49	214	395	473	688	330	122	0	1	2325
2008	0	3	2	25	109	401	458	439	273	62	0	1	1773
2009	0	0	7	56	132	395	340	383	238	8	0	0	1559
2010	0	0	0	59	210	480	547	530	267	37	0	0	2130

**SNOWFALL (inches) 2010 NASHVILLE (KBNA)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	0.0	0.0	0.0	0.0	0.0	0.2	4.8	3.7	1.0	0.0	0.0	0.0	9.7
1982-83	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.8	T	0.0	0.0	0.0	1.5
1983-84	0.0	0.0	0.0	0.0	0.0	0.7	5.3	3.7	T	0.0	0.0	0.0	9.7
1984-85	0.0	0.0	0.0	0.0	0.0	0.8	9.8	8.0	0.0	0.0	0.0	0.0	18.6
1985-86	0.0	0.0	0.0	0.0	0.0	0.5	0.4	2.1	T	0.0	0.0	0.0	3.0
1986-87	0.0	0.0	0.0	0.0	0.0	T	1.4	1.3	1.6	T	0.0	0.0	4.3
1987-88	0.0	0.0	0.0	0.0	T	T	8.6	1.4	T	0.0	0.0	0.0	10.0
1988-89	0.0	0.0	0.0	0.0	0.0	1.6	T	5.2	0.0	0.0	0.0	0.0	6.8
1989-90	0.0	T	0.0	T	T	0.4	T	T	0.4	0.0	0.0	0.0	0.8
1990-91	0.0	0.0	0.0	0.0	0.0	0.3	T	0.6	1.1	0.0	0.0	0.0	2.0
1991-92	0.0	0.0	0.0	0.0	T	0.0	T	0.0	1.0	0.0	0.0	0.0	1.0
1992-93	0.0	0.0	0.0	0.0	T	0.3	T	5.9	2.8	T	0.0	T	9.0
1993-94	0.0	0.0	0.0	0.4	T	0.3	2.3	1.0	T	T	0.0	T	4.0
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.3	0.1	0.0	0.0	0.0	2.9
1995-96	0.0	0.0	0.0	0.0	T	0.4	6.2	7.8	9.3	0.0	0.0		
1996-97								0.2					
1997-98													
1998-99									1.0				
1999-00													
2000-01													
2001-02													
2002-03							8.4						
2003-04													
2004-05													
2005-06						T	0.5	1.2	T	T	0.0	T	
2006-07	0.0	0.0	0.0	0.0	0.0	T	T	2.2	0.0	T	0.0	0.0	2.2
2007-08	T	0.0	0.0	0.0	T	T	T	1.2	0.8	0.0	0.0	0.0	2.0
2008-09	0.0	0.0	0.0	0.0	T	1.0	0.4	T	0.3	0.0	0.0	T	1.7
2009-10	0.0	0.0	0.0	0.0	0.0	T	4.8	2.3	T	T	0.0	0.0	7.1
2010-	0.0	0.0	0.0	0.0	T	4.5							
POR= 62 YRS	T	T	0.0	T	0.4	1.0	3.3	2.5	1.2	T	0.0	T	8.4

WBAN : 13897

**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: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> 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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# 2010 NASHVILLE TENNESSEE (KBNA)

The city of Nashville is located on the Cumberland River, in the northwestern corner of the Central Basin of middle Tennessee near the escarpment of the Highland Rim. The Rim, as it is called, rises to the height of 300 to 400 feet above the mean elevation of the basin, forming an amphitheater about the city from the southwest to the southeast, with the south being more or less open but undulating.

Temperatures are moderate, with great extremes of either heat or cold rarely occurring, yet there are changes of sufficient amplitude and frequency to give variety.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 29 and the average last occurrence in the spring is April 5.

Humidity is an important phase of climate in relation to bodily health and comfort. The Nashville records show that the average relative humidity is moderate as compared with the general conditions east of the Mississippi River and south of the Ohio.

Nashville is not in the most frequented path of general storms that cross the country, however, it is in the zone of moderate frequency of thunderstorms. The thunderstorm season usually begins in the latter part of March and continues through September.

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