

2000

# LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



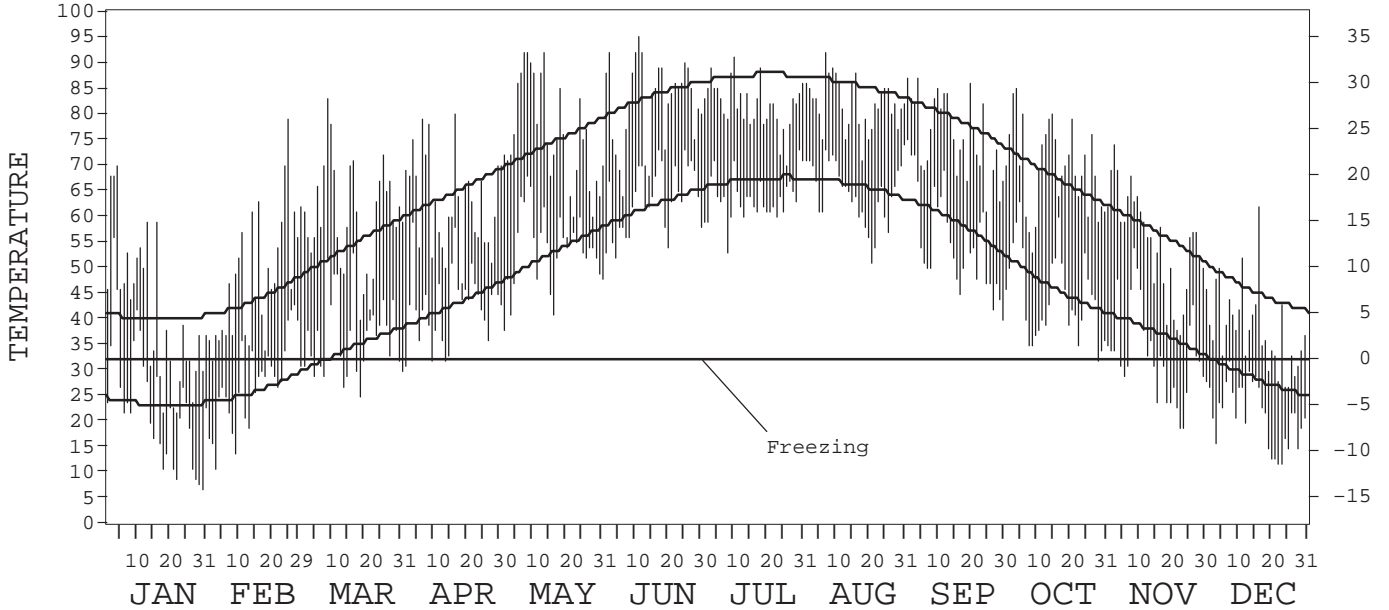
ISSN 0198-2397

BALTIMORE,  
MARYLAND (BWI)

## Daily Data

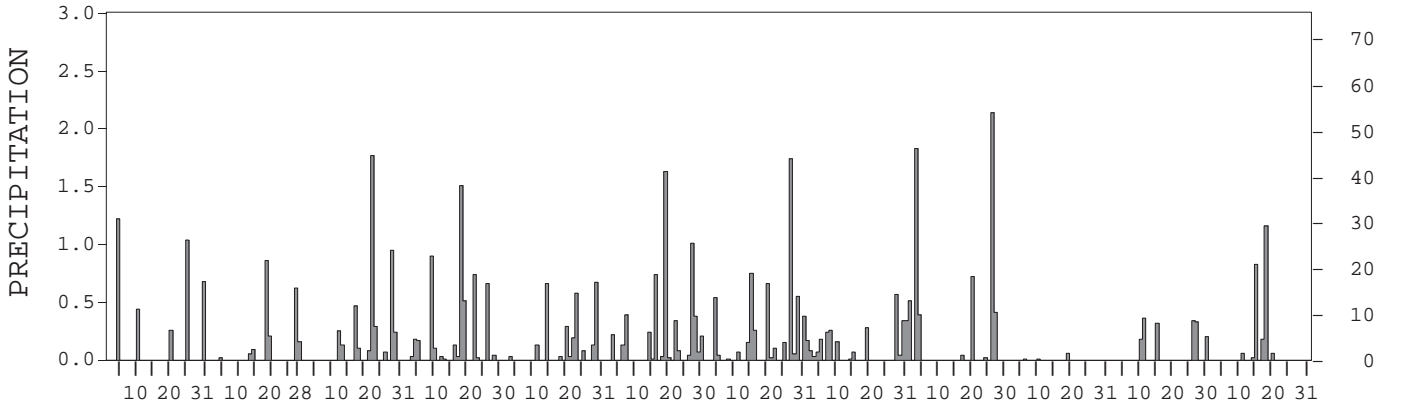
Fahrenheit

Celsius



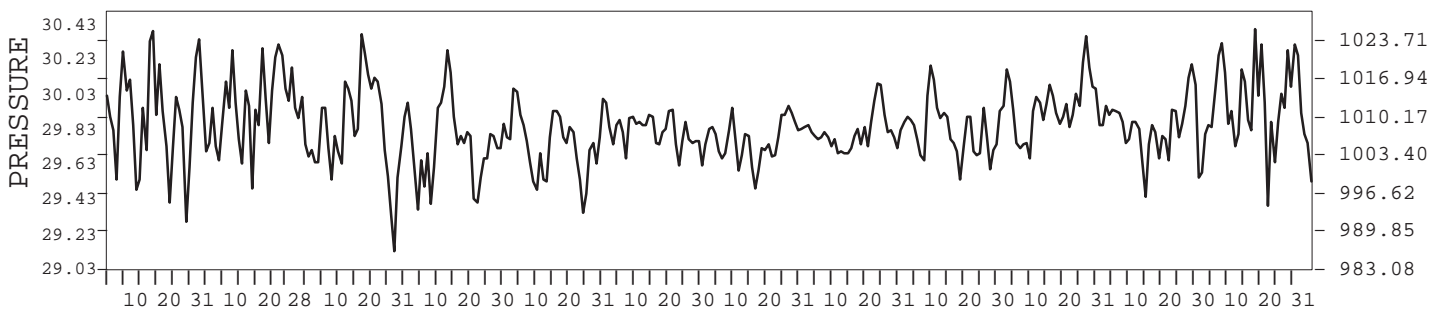
Inches

Millimeters



Inches of Mercury

Hectopascals



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ASHEVILLE, NORTH CAROLINA

DIRECTOR  
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# METEOROLOGICAL DATA FOR 2000

## BALTIMORE, MD (BWI)

LATITUDE: 39° 10' 20" N      LONGITUDE: 76° 41' 02" W      ELEVATION (FT): GRND: 194      BARO: 194      TIME ZONE: EASTERN (UTC + 5)      WBAN: 93721

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	41.4	48.4	60.0	62.9	75.6	82.2	81.8	82.0	75.2	69.6	55.0	38.1	64.3	
	HIGHEST DAILY MAXIMUM	70	79	83	80	92	95	91	92	87	85	74	62	95	
	DATE OF OCCURRENCE	04	25	08	16	13+	11	10	07	04+	04	03	17	JUN 11	
	MEAN DAILY MINIMUM	23.5	27.7	36.9	42.8	53.8	63.3	63.6	64.8	55.4	44.6	33.4	21.8	44.3	
	LOWEST DAILY MINIMUM	7	11	25	31	38	52	53	51	40	32	19	12	7	
	DATE OF OCCURRENCE	30	03	18	01	01	04	08	21	30	29	24+	24+	JAN 30	
	AVERAGE DRY BULB	32.5	38.1	48.5	52.9	64.7	72.8	72.7	73.4	65.3	57.1	44.2	30.0	54.4	
	MEAN WET BULB	28.7	33.7	42.6	48.3	59.5	67.3	66.9	68.1	61.4	52.0	39.2	26.9	49.6	
	MEAN DEW POINT	20.3	26.6	34.0	42.9	54.8	63.9	63.3	65.1	58.1	46.6	31.7	18.2	43.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	4	5	1	1	0	0	0	0	0	11
	MAXIMUM ≤ 32°	12	1	0	0	0	0	0	0	0	0	0	6	19	19
	MINIMUM ≤ 32°	25	21	11	3	0	0	0	0	0	1	15	31	107	107
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	999	774	508	362	102	8	0	1	97	254	616	1079	4800	
	COOLING DEGREE DAYS	0	0	3	6	102	248	245	269	115	17	0	0	1005	
RH	MEAN (PERCENT)	64	66	60	71	71	75	75	78	78	72	64	62	70	
	HOUR 01 LST	67	74	70	82	84	90	87	89	88	86	75	67	80	
	HOUR 07 LST	73	78	74	79	79	84	82	86	91	87	78	73	80	
	HOUR 13 LST	53	54	44	58	57	59	60	62	62	50	46	50	55	
	HOUR 19 LST	63	63	57	64	64	70	69	75	78	73	60	60	66	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	4	4	0	0	0	2	0	1	2	4	2	4	23	
	THUNDERSTORMS	0	1	2	2	4	8	7	5	2	0	1	1	33	
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.)	29.90	29.96	29.82	29.75	29.75	29.81	29.77	29.81	29.84	29.94	29.82	29.97	29.85	
	MEAN SEA-LEVEL PRESS. (IN.)	30.11	30.17	30.03	29.96	29.95	30.01	29.97	30.02	30.05	30.15	30.03	30.19	30.05	
WINDS	RESULTANT SPEED (MPH)	5.3	2.8	2.4	1.1	0.9	1.8	0.7	1.6	0.5	2.4	4.7	4.9	1.9	
	RES. DIR. (TENS OF DEGS.)	29	28	31	29	22	22	09	07	33	30	28	29	29	
	MEAN SPEED (MPH)	8.8	6.9	8.7	8.6	6.9	6.7	5.0	6.1	5.5	5.5	7.4	7.6	7.0	
	PREVAIL. DIR. (TENS OF DEGS.)	29	29	29	28	22	22	22	18	28	29	28	29	29	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	40	31	30	34	31	33	29	24	29	21	36	41	41	
	DIR. (TENS OF DEGS.)	30	27	30	28	33	31	28	29	31	33	27	28	28	
	DATE OF OCCURRENCE	13	28	12	09+	13	21+	10	04	15	28	20	12	DEC 12	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	48	37	38	45	39	46	36	33	38		44	54		
DIR. (TENS OF DEGS.)	28	26	31	29	30	31	28	28	32		27	28			
DATE OF OCCURRENCE	13	28+	12	08	24+	21	10	04	15		20	12			
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.64	2.01	4.35	5.06	2.82	5.54	5.64	3.18	5.55	0.08	1.73	2.31	41.91	
	GREATEST 24-HOUR (IN.)	1.22	1.07	2.01	1.70	0.67	1.64	1.76	0.57	2.38	0.06	0.67	1.26	2.38	
	DATE OF OCCURRENCE	04	18-19	21-22	17-18	28	18-19	26-27	27	25-26	18	25-26	16-17	SEP 25-26	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	5	7	10	15	11	16	16	15	7	3	6	6	117	
PRECIPITATION ≥ 0.10	5	4	8	9	7	10	11	9	5	0	6	3	77		
PRECIPITATION ≥ 1.00	2	0	1	1	0	2	1	0	2	0	0	1	10		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	23.1	2.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	T	1.3	27.2	
	GREATEST 24-HOUR (IN.)	14.9	2.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	T	1.3	14.9	
	DATE OF OCCURRENCE	25	18		09							20+	19	JAN 25	
	MAXIMUM SNOW DEPTH (IN.)	15	3	0	0	0	0	0	0	0	0	0	1	15	
	DATE OF OCCURRENCE	26	02+									20+		JAN 26	
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0	3	1	0	0	0	0	0	0	0	0	0	1	5		



## PRECIPITATION (inches) 2000 BALTIMORE, MD (BWI)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	2.02	6.21	1.90	1.75	6.12	2.92	4.03	10.91	5.55	6.88	3.75	1.29	53.33
1972	2.82	6.01	2.38	5.30	4.11	9.95	2.81	2.22	1.15	3.51	7.05	5.02	52.33
1973	2.81	2.82	3.96	6.41	3.73	3.16	4.22	3.35	4.87	2.86	1.28	6.36	45.83
1974	2.92	0.94	4.12	2.59	3.58	2.84	0.85	5.85	5.45	1.53	1.39	5.70	37.76
1975	3.47	2.47	5.17	2.73	4.63	3.82	7.15	4.23	8.62	2.89	2.03	4.61	51.82
1976	4.10	2.16	2.23	1.27	5.03	2.49	5.56	2.98	6.93	8.09	0.56	2.04	43.44
1977	1.36	0.63	3.93	3.05	1.49	3.44	2.62	3.31	0.62	5.17	5.01	5.76	36.39
1978	7.34	0.56	4.74	1.26	5.49	2.81	6.83	3.39	1.03	0.71	2.70	4.63	41.49
1979	7.84	7.16	2.05	3.37	4.15	5.74	3.71	9.38	6.73	5.53	2.45	0.87	58.98
1980	2.58	1.06	5.46	4.24	3.58	3.04	3.25	4.00	1.00	3.08	2.72	0.70	34.71
1981	0.49	2.93	1.14	2.04	3.63	5.40	4.59	1.93	2.89	2.57	0.31	3.30	31.22
1982	3.37	4.04	3.03	3.61	1.85	5.70	2.16	0.95	3.63	2.31	3.13	2.39	36.17
1983	2.21	4.81	6.80	6.55	5.47	5.23	1.31	1.57	1.76	3.58	5.02	6.72	51.03
1984	1.96	3.90	5.79	2.95	4.29	1.65	3.27	4.11	2.38	1.94	3.01	1.71	36.96
1985	2.03	3.03	2.37	0.39	6.01	2.44	2.53	3.72	6.22	2.48	4.71	0.84	36.77
1986	2.16	3.78	0.96	2.64	0.37	1.46	4.12	4.26	0.58	1.86	5.96	5.52	33.67
1987	5.85	2.22	0.99	1.86	4.16	2.63	5.05	1.61	7.34	2.25	5.05	2.07	41.08
1988	3.24	3.25	2.35	2.44	4.37	0.84	3.78	2.64	2.05	1.59	4.78	0.97	32.30
1989	3.07	3.36	4.24	3.16	8.71	5.98	7.35	3.38	3.64	4.90	1.97	2.12	51.88
1990	3.71	1.48	2.54	4.23	4.92	2.55	5.68	6.17	1.07	2.57	2.10	4.86	41.88
1991	3.54	0.73	5.65	1.68	1.16	1.08	1.76	2.54	3.05	3.20	1.69	4.08	30.16
1992	1.27	2.49	4.58	1.76	2.92	1.89	5.07	2.19	5.96	2.73	3.44	4.63	38.93
1993	2.73	2.84	8.12	3.68	3.66	2.56	1.71	2.55	4.09	3.02	3.09	4.45	42.50
1994	4.59	4.07	8.64	2.53	3.02	2.84	4.54	3.44	3.93	1.82	1.95	1.95	43.32
1995	2.87	1.88	2.12	1.92	3.40	1.80	3.65	2.98	3.29	6.24	4.12	2.66	36.93
1996	6.80	2.36	3.57	3.76	5.68	4.08	7.38	4.17	5.65	4.32	3.77	6.77	58.31
1997	2.83	2.23	5.67	2.40	3.03	3.74	1.49	4.21	1.47	3.43	5.79	2.05	38.34
1998	5.65	6.40	5.56	3.02	3.46	3.22	1.42	0.91	1.27	1.06	1.13	1.27	34.37
1999	4.70	2.65	3.46	2.27	1.73	2.04	2.06	6.14	11.50	2.48	1.95	2.96	43.94
2000	3.64	2.01	4.35	5.06	2.82	5.54	5.64	3.18	5.55	0.08	1.73	2.31	41.91
POR= 50 YRS	3.13	2.99	3.88	3.17	3.56	3.51	3.78	3.96	3.58	2.93	3.08	3.28	40.85

WBAN : 93721

## AVERAGE TEMPERATURE (°F) 2000 BALTIMORE, MD (BWI)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	30.0	37.4	41.8	52.7	61.2	74.0	76.5	74.2	70.9	62.9	46.4	43.7	56.0
1972	37.6	34.3	43.6	51.6	62.7	68.1	76.9	75.4	69.8	53.5	43.2	40.4	54.8
1973	34.6	34.3	48.3	53.1	59.6	73.5	75.9	76.9	69.8	58.2	47.3	37.3	55.7
1974	37.9	33.8	45.2	55.3	61.9	68.5	76.5	75.0	67.5	55.3	48.2	40.3	55.5
1975	38.5	39.1	42.1	50.4	66.3	73.0	76.1	77.9	66.0	60.7	51.9	37.2	56.6
1976	30.8	44.1	48.1	56.9	62.1	74.8	75.0	73.9	67.5	52.9	40.9	32.6	55.0
1977	22.9	36.5	50.0	57.9	66.7	71.4	79.0	77.7	72.1	56.0	49.2	35.6	56.3
1978	29.2	27.3	41.7	54.2	62.4	73.1	75.9	78.1	69.7	56.1	48.7	40.2	54.7
1979	33.1	25.6	48.5	53.1	64.7	70.7	75.9	75.7	68.8	55.7	50.6	40.3	55.2
1980	33.8	31.5	41.5	55.7	65.5	71.3	78.2	78.7	72.2	55.3	44.2	35.5	55.3
1981	27.9	38.8	41.9	57.0	62.2	74.3	77.3	74.4	67.7	53.2	46.2	34.5	54.6
1982	25.5	35.8	42.9	50.7	66.1	69.4	77.1	73.0	67.3	56.3	48.4	42.0	54.5
1983	34.6	34.7	45.4	51.8	61.5	72.1	78.7	78.0	69.5	57.3	47.1	33.2	55.3
1984	28.5	41.7	38.2	51.5	61.3	73.4	73.9	75.0	64.8	62.2	43.9	44.1	54.9
1985	29.3	38.7	46.0	57.9	65.1	70.4	76.4	74.5	69.4	58.8	52.4	33.8	56.1
1986	33.2	32.9	45.0	53.5	66.7	74.4	79.4	73.1	68.9	58.9	44.8	38.2	55.8
1987	32.5	34.3	46.2	53.1	65.0	74.5	80.0	76.1	69.3	51.5	47.8	39.8	55.8
1988	28.7	35.9	45.1	52.0	64.0	73.0	80.3	78.5	66.8	51.3	48.1	36.3	55.0
1989	37.9	36.5	43.8	52.5	62.0	73.9	76.0	74.4	69.0	58.3	44.8	25.4	54.5
1990	42.0	42.3	47.6	54.8	62.3	73.3	78.4	74.6	67.3	60.7	49.6	42.2	57.9
1991	35.5	40.7	46.7	55.9	70.6	74.6	79.5	77.8	69.0	57.8	45.8	38.7	57.7
1992	34.6	37.1	41.3	52.0	60.8	70.1	77.4	72.3	67.7	54.3	47.2	38.9	54.5
1993	37.9	31.4	39.4	52.5	65.0	72.2	80.2	76.7	68.8	55.5	46.5	36.2	55.2
1994	27.1	34.0	43.0	59.6	60.6	77.2	80.1	74.1	68.1	56.8	51.9	42.6	56.3
1995	39.0	33.2	47.8	55.2	64.5	74.5	81.5	80.1	70.4	61.1	42.6	33.9	57.0
1996	31.7	35.7	39.9	54.0	60.6	73.3	74.3	73.2	67.8	55.6	40.2	39.6	53.8
1997	32.8	41.0	45.5	51.6	59.5	70.1	77.3	74.0	67.3	56.5	43.7	38.4	54.8
1998	40.9	41.7	45.9	55.2	66.5	71.7	76.6	75.7	71.8	56.3	46.1	41.1	57.5
1999	35.1	37.6	41.8	53.2	64.2	71.5	80.0	75.7	68.2	53.9	49.9	39.1	55.9
2000	32.5	38.1	48.5	52.9	64.7	72.8	72.7	73.4	65.3	57.1	44.2	30.0	54.4
POR= 50 YRS	32.9	35.6	43.6	53.8	63.4	72.4	77.1	75.4	68.6	56.7	46.3	36.8	55.2

published by: NCDC Asheville, NC

WBAN : 93721

## HEATING DEGREE DAYS (base 65°F) 2000 BALTIMORE, MD (BWI)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971-72	0	0	24	96	571	652	841	884	663	396	94	42	4263
1972-73	2	0	16	357	649	759	935	854	511	365	191	1	4640
1973-74	0	0	24	221	524	852	830	868	613	309	148	14	4403
1974-75	0	0	49	303	509	759	818	720	702	436	66	2	4364
1975-76	0	0	50	156	397	853	1050	603	518	293	133	11	4064
1976-77	0	0	34	377	716	1001	1296	790	469	245	62	18	5008
1977-78	0	0	9	278	476	904	1101	1048	715	318	141	9	4999
1978-79	0	0	33	280	483	763	984	1100	520	354	75	6	4598
1979-80	2	3	22	311	425	757	962	967	723	273	74	6	4525
1980-81	0	0	20	311	620	908	1145	727	706	252	148	1	4838
1981-82	0	0	51	363	557	940	1218	808	677	422	58	20	5114
1982-83	0	5	42	289	495	707	936	842	602	410	152	6	4486
1983-84	0	0	70	257	530	979	1123	671	825	397	169	9	5030
1984-85	0	1	96	123	625	643	1101	731	589	252	79	10	4250
1985-86	0	0	41	201	378	962	980	892	613	342	86	6	4501
1986-87	0	23	34	236	598	822	1002	853	576	357	106	1	4608
1987-88	0	1	15	412	511	774	1120	838	613	389	96	27	4796
1988-89	2	0	39	424	504	882	834	792	663	374	145	0	4659
1989-90	0	0	51	229	600	1221	707	631	552	341	102	5	4439
1990-91	1	0	63	195	454	701	907	674	562	289	55	4	3905
1991-92	0	0	49	246	570	809	936	802	730	387	161	8	4698
1992-93	0	1	51	328	529	801	834	934	787	369	61	11	4706
1993-94	0	0	52	292	553	886	1169	861	677	190	180	1	4861
1994-95	0	0	13	256	391	684	798	885	525	307	77	0	3936
1995-96	0	0	30	176	669	958	1024	840	772	345	199	12	5025
1996-97	0	0	42	283	736	778	994	667	597	394	182	53	4726
1997-98	0	0	49	307	633	815	737	647	625	295	59	22	4189
1998-99	0	1	25	263	560	734	919	762	714	349	71	9	4407
1999-00	0	0	37	336	445	794	999	774	508	362	102	8	4365
2000-	0	1	97	254	616	1079							

WBAN : 93721

## COOLING DEGREE DAYS (base 65°F) 2000 BALTIMORE, MD (BWI)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	0	0	0	0	24	278	363	293	208	36	20	0	1222
1972	0	0	5	1	29	140	379	331	166	7	0	0	1058
1973	0	0	0	15	29	263	344	376	173	19	0	0	1219
1974	0	0	4	24	57	126	361	317	130	8	11	0	1038
1975	0	0	0	4	112	252	351	404	85	27	10	0	1245
1976	0	1	0	58	51	315	317	284	114	9	0	0	1149
1977	0	0	10	37	124	217	439	401	229	7	10	0	1474
1978	0	0	0	0	63	260	344	413	182	12	0	0	1274
1979	0	0	15	4	72	183	348	341	145	28	1	0	1137
1980	0	0	0	0	97	203	415	431	245	17	0	0	1408
1981	0	0	0	19	69	287	389	296	141	5	0	0	1206
1982	0	0	0	4	99	160	381	259	119	26	4	1	1053
1983	0	0	0	18	51	228	430	410	214	24	0	0	1375
1984	0	0	0	0	59	268	281	316	98	41	0	2	1065
1985	0	2	7	43	89	179	363	298	178	17	5	0	1181
1986	0	0	0	1	143	295	452	281	158	54	0	0	1384
1987	0	0	0	7	115	292	473	352	152	0	0	0	1391
1988	0	0	2	4	71	274	485	427	100	8	0	0	1371
1989	0	0	14	5	58	276	351	298	178	25	1	0	1206
1990	0	0	19	38	26	261	422	303	137	68	0	0	1274
1991	0	0	2	24	233	303	462	402	177	29	2	0	1634
1992	0	0	0	6	39	168	392	232	139	4	0	0	980
1993	0	0	0	0	70	235	476	371	175	3	5	0	1335
1994	0	0	0	38	49	374	476	292	112	6	3	0	1350
1995	0	0	0	20	72	289	520	475	199	60	3	0	1638
1996	0	0	0	19	70	265	295	259	135	1	0	0	1044
1997	0	0	0	0	20	211	385	287	124	51	0	0	1078
1998	0	0	39	9	115	228	367	341	235	0	0	0	1334
1999	0	0	0	0	54	210	471	340	138	0	0	0	1213
2000	0	0	3	6	102	248	245	269	115	17	0	0	1005

SNOWFALL (inches) 2000 BALTIMORE, MD (BWI)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971-72	0.0	0.0	0.0	0.0	1.0	T	1.1	11.4	0.2	0.3	0.0	0.0	14.0
1972-73	0.0	0.0	0.0	T	T	T	T	1.2	T	T	0.0	0.0	1.2
1973-74	0.0	0.0	0.0	0.0	0.0	8.3	1.2	7.6	T	T	0.0	0.0	17.1
1974-75	0.0	0.0	0.0	0.0	T	0.4	5.1	5.5	1.2	T	0.0	0.0	12.2
1975-76	0.0	0.0	0.0	0.0	0.0	0.7	1.7	1.3	7.8	0.0	0.0	0.0	11.5
1976-77	0.0	0.0	0.0	0.0	1.1	1.5	8.5	T	T	T	0.0	0.0	11.1
1977-78	0.0	0.0	0.0	T	0.6	0.5	12.4	12.3	8.5	T	0.0	0.0	34.3
1978-79	0.0	0.0	0.0	0.0	3.7	0.0	5.7	33.1	T	T	0.0	0.0	42.5
1979-80	0.0	0.0	0.0	0.3	T	0.1	4.7	3.8	5.7	0.0	0.0	0.0	14.6
1980-81	0.0	0.0	0.0	0.0	T	0.2	4.1	T	0.3	0.0	0.0	0.0	4.6
1981-82	0.0	0.0	0.0	0.0	T	2.4	14.8	7.6	0.7	T	0.0	0.0	25.5
1982-83	0.0	0.0	0.0	0.0	0.0	7.2	1.2	27.2	T	T	0.0	0.0	35.6
1983-84	0.0	0.0	0.0	0.0	T	T	8.4	T	6.1	T	0.0	0.0	14.5
1984-85	0.0	0.0	0.0	0.0	T	0.1	9.1	0.4	T	0.7	0.0	0.0	10.3
1985-86	0.0	0.0	0.0	0.0	0.0	0.7	1.9	13.0	T	T	0.0	0.0	15.6
1986-87	0.0	0.0	0.0	0.0	0.0	T	25.1	10.1	T	T	0.0	0.0	35.2
1987-88	0.0	0.0	0.0	0.0	6.0	0.5	13.7	0.2	T	T	0.0	0.0	20.4
1988-89	0.0	0.0	0.0	0.0	0.0	0.9	6.0	1.1	0.3	0.0	0.0	0.0	8.3
1989-90	0.0	0.0	0.0	0.0	3.8	10.2	0.5	T	2.7	0.1	0.0	0.0	17.3
1990-91	0.0	0.0	0.0	0.0	0.0	4.8	4.2	0.1	0.3	0.0	0.0	0.0	9.4
1991-92	T	0.0	0.0	0.0	T	T	2.2	1.9	T	T	0.0	0.0	4.1
1992-93	T	0.0	0.0	0.0	T	1.5	1.4	8.8	12.7	T	0.0	0.0	24.4
1993-94	0.0	0.0	0.0	0.0	T	2.9	4.9	5.3	4.2	T	0.0	0.0	17.3
1994-95	0.0	0.0	0.0	0.0	0.2	0.0	0.3	7.5	0.2	0.0	0.0	0.0	8.2
1995-96	0.0	0.0	0.0	0.0	1.0	2.3	32.6	19.0	7.6				
1996-97			0.0		0.3	0.2	5.0	7.1	2.7	T	T	0.0	
1997-98	0.0	0.0	0.0	0.0	0.0	0.4	0.7	T	2.1	0.0	T	0.0	3.2
1998-99	0.0	0.0	0.0	0.0	0.0	3.0	4.0	0.6	7.6	0.0	0.0	0.0	15.2
1999-00	0.0	0.0	0.0	0.0	0.0	0.2	23.1	2.6	0.0	0.2	0.0	0.0	26.1
2000-	0.0	0.0	0.0	0.0	T	1.3							
POR= 49 YRS	T	0.0	0.0	0.0	1.0	3.2	6.4	6.4	3.7	0.1	T	0.0	20.8

WBAN : 93721

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 (1961 - 1990). 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.</p>	<p>GENERAL CONTINUED: 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. 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.</p> <p>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.</p>
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## 2000 BALTIMORE, MARYLAND (BWI)

Baltimore-Washington International Airport lies in a region about midway between the rigorous climates of the North and the mild climates of the South, and adjacent to the modifying influences of the Chesapeake Bay and Atlantic Ocean to the east and the Appalachian Mountains to the west. Since this region is near the average path of the low pressure systems which move across the country, changes in wind direction are frequent and contribute to the changeable character of the weather. The net effect of the mountains to the west and the bay and ocean to the east is to produce a more equable climate compared with other continental locations farther inland at the same latitude.

Rainfall distribution throughout the year is rather uniform, however, the greatest intensities are confined to the summer and early fall months, the season for hurricanes and severe thunderstorms. Moisture deficiencies for crops occur occasionally during the growing season, but severe droughts are rare. Rainfall during the growing season occurs principally in the form of thunderstorms, and rainfall totals during these months vary appreciably.

The average date for the last occurrence in spring of temperatures as low as 32 degrees is mid-April. The average date for the first occurrence in fall of temperatures as low as 32 degrees is late October. The freeze-free period is approximately 194 days.

In summer, the area is under the influence of the large semi-permanent high pressure system commonly known as the Bermuda High and centered over the Atlantic Ocean near 30 degrees N Latitude. This pressure system brings warm humid air to the area. The proximity of large water areas and the inflow of southerly winds contribute to high relative humidities during much of the year.

January is the coldest month, and July, the warmest. Snowfall occurs on about eleven days per year on the average, however, an average of only about six days annually produces snowfalls of 1 inch or greater. Snow is frequently mixed with rain and sleet, and snow seldom remains on the ground more than a few days.

Glaze or freezing rain which is hazardous to highway traffic occurs on an average of two to three times per year, generally in January or February. Some years pass without the occurrence of freezing rain, while in others it occurs on as many as eight to ten days. Sleet is observed on about five days annually with the greatest frequency of occurrence in January.

The annual prevailing wind direction is from the west. Winter and spring months have the highest average wind speed. Destructive velocities are rare and occur mostly during summer thunderstorms. Only rarely have hurricanes in the vicinity caused widespread damage, then primarily through flooding.

# STATION LOCATION

BALTIMORE, MARYLAND

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT * REMARKS	
						SEA LEVEL	GROUND								HYGROMETER		THERMOMETER
							GROUND	WIND INSTRUMENT	EXTREME THERMOMETER	PSYCHROMETER	SUNSHINE SWITCH	TRAINING GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE			
*NOTES: <u>AIRPORT</u>																	
+Baltimore-Washington International Airport (Effective Dec. 1973)	7/23/50	04/01/96	NA	39°11'	76°40'	146 p148	133 n20	54	54	h125 i53 k120 p153	h51 m3 r52	3 g51 n3 q52	51 n3 q52	4 4			g - Moved to roof 10/18/50. h - Installed 1/16/51. i - Minor move & type change 1952. j - Telepsychrometer (7') 9/2/53-1/1/60. Hygro. comm. 2300' SE of office 1/1/60. k - Raised 6/1/54. m - Moved to ground site 12/8/59. n - Moved to ground site 12/9/59. p - Effective 1/1/60. q - Moved 137' SE to roof 1/30/70 r - Moved 137' SE to roof 6/1/73 t - Type change 10/01/85
Baltimore-Washington Int'l Airport	04/01/96	Present	NA	39°10'	76°41'	194										S	ASOS Commissioned 04/01/96

SUBSCRIPTION:  
Price and ordering information available through : National ClimaticDataCenter, Federal building, Asheville, North Carolina 28801.

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\* NOTES: For earlier station history see previous edition.