



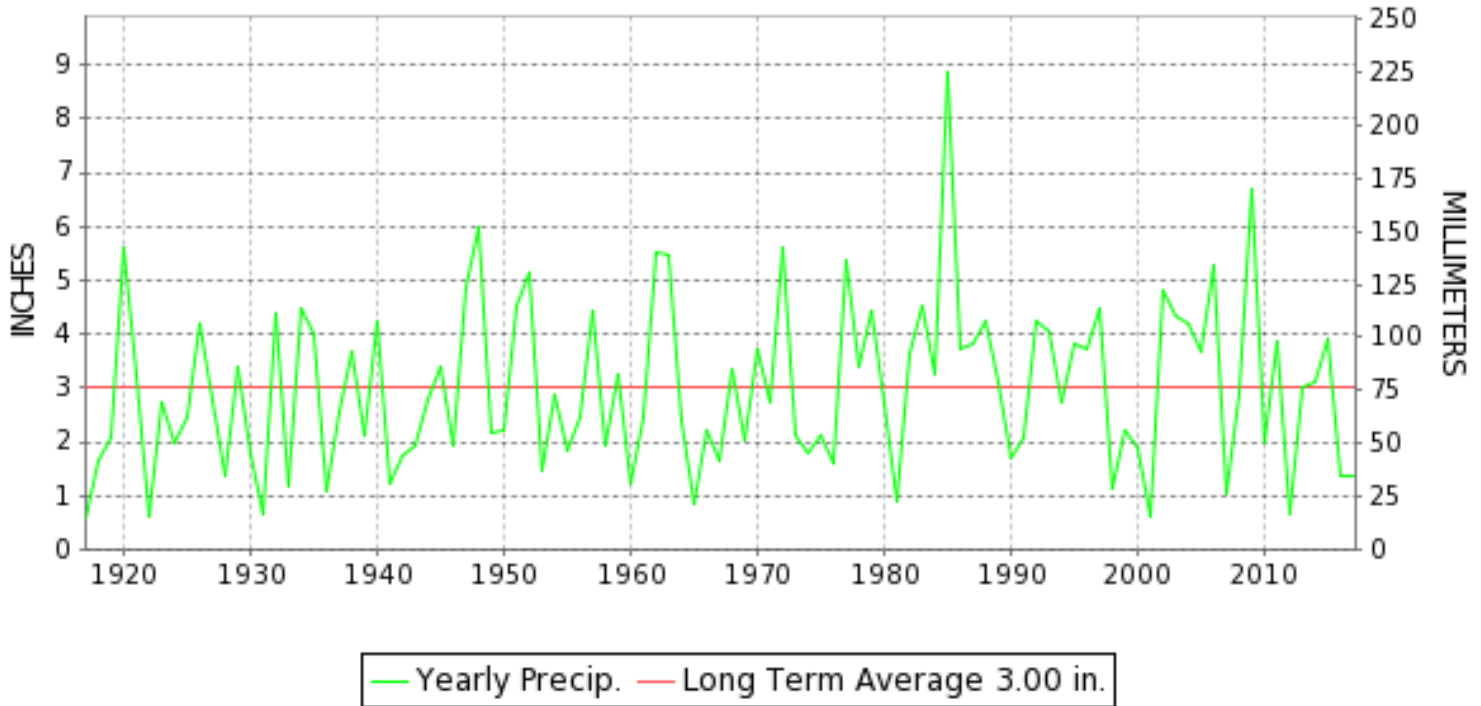
# CLIMATOLOGICAL DATA

## VIRGINIA

NOVEMBER 2017  
 VOLUME 127 NUMBER 11  
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### NOVEMBER PRECIPITATION BY YEAR



#### TEMPERATURE AND PRECIPITATION EXTREMES

##### VIRGINIA

HIGHEST TEMPERATURE	84	NOVEMBER 04+	4 STATIONS
LOWEST TEMPERATURE	11	NOVEMBER 24+	2 STATIONS
GREATEST TOTAL PRECIPITATION	2.37		MANASSAS
LEAST TOTAL PRECIPITATION	0.45		GALAX WTP
GREATEST 1 DAY PRECIPITATION	1.07	NOVEMBER 07	WASHINGTON REAGAN NATL AP
GREATEST TOTAL SNOWFALL	0.2		BURKES GARDEN
GREATEST DEPTH OF SNOW OR ICE	T		3 STATIONS

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National  
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 Asheville, North Carolina



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# MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
RICHMOND INTL AP	60.3	37.8	49.1	-1.3	82	03	26	24+	478	6	0	0	10	0	1.43	-1.81	0.65	13	0.0	0		10	5	0
WINTERPOCK 4 W															1.18		0.64	13	M			9	2	0
--DIVISIONAL DATA-----> WESTERN PIEDMONT 03			47.2	-0.8B										1.55	-1.87B									
ALTAVISTA														1.12		0.35	09	0.0	0			8	5	0
APPOMATTOX	55.3	35.7	45.5	-1.7	78	04	22	11	579	0	0	0	11	0	1.40	-2.58	0.36	13	0.0	0		9	6	0
BEDFORD														0.87	-2.43	0.30	05	0.0	0			8	3	0
BROOKNEAL	58.7M	32.6M	45.7M	3.4	81	04	21	24	567E	0	0	0	17	0	1.66	-2.02	0.55	13	0.0	0		8	6	0
CHARLOTTESVILLE 2W	56.3	37.0	46.6	-2.3	80	04	22	11	543	0	0	0	8	0	1.14	-2.95	0.40	05	0.0	0		8	5	0
CHATHAM	59.2M	31.2	45.2M	-0.6	81	04	21	25+	591E	0	0	0	18	0	1.36	-2.22	0.52	09	0.0	0		8	4	0
CONCORD 4 SSW														1.58		0.34	13	0.0	0			10	7	0
DANVILLE RGNL AP	60.5	34.2	47.3	-1.9	81	03	23	24	523	0	0	0	19	0	2.07	-1.28	0.52	09	0.0	0		10	5	0
FREE UNION	56.9	31.7	44.3		79	04	21	12+	614	0	0	0	19	0	A 1.28		0.31	08	0.0	0		5	3	0
HOLCOMB ROCK														0.97		0.38	09	0.0	0			5	5	0
HUDDLESTON 4 SW														1.07		0.36	09	0.0	0			10	4	0
LYNCHBURG INTL AP	58.1	33.9	46.0	-0.8	80	03	23	24+	563	0	0	0	18	0	1.02	-2.39	0.30	12	0.0	0		11	3	0
MARTINSVILLE FLTR PLT	60.2M	31.5	45.9M	-0.4	81	04	21	25+	560E	0	0	0	19	0	1.54	-1.90	0.57	09	0.0	0		9	4	0
MEADOWS OF DAN 5 SW	57.5	36.0	46.8		78	04	26	12+	539	0	0	0	13	0	0.97		0.29	09	0.0	0		9	4	0
MONTEBELLO FISH CULTURAL STN	M	M	M		72	06	22	16+	663E	0	0	0	3	0	M				M	0				
MONTICELLO	M	M	M												M				M					
PEDLAR DAM														0.98		0.40	09	0.0	0			6	3	0
ROCKY MT	58.2	33.5	45.9	-0.7	80	04	22	11	570	3	0	0	16	0	0.94	-2.63	0.33	09	0.0	0		9	4	0
S BOSTON	61.8	33.6	47.7	-0.1	84	04	22	24	513	1	0	0	18	0	1.88	-1.52	0.76	09	0.0	0		7	4	0
STUART	60.7M	34.9	47.8M	-0.6	82	04	24	11	523E	2E	0	0	16	0	1.06	-2.40	0.50	09	0.0	0		8	3	0
WOOLWINE														1.26		0.39	04	0.0	0			9	5	0
--DIVISIONAL DATA-----> NORTHERN 04			46.2	-1.3B										1.27	-2.08B									
FRONT ROYAL	54.6	32.0M	43.3M	-3.1	75	04	18	12	666E	0	0	0	12	0	1.45	-2.30	0.81	08	0.0	0		9	2	0
PURCELLVILLE	53.5	33.8	43.7	-0.7	74	03	19	11	634	0	0	0	15	0	1.76		0.78	08	M 0.0	0		9	4	0
LURAY 5 E	55.9	33.4	44.7	-2.2	76	03	16	11	603	0	0	0	15	0	1.15	-2.46	0.41	09	0.0	0		7	3	0
MANASSAS	57.6M	36.2M	46.9M	0.2	77	04	25	24+	542E	0	0	0	10	0	A 2.37		0.80	05	M 0.0	0		6	5	0
PIEDMONT RSCH STN	56.7	34.4	45.6	-1.9	76	04	22	11	578	0	0	0	13	0	MA 2.08	-1.74	0.45	08	M 0.0	0		6	3	0
SOMERSET	57.6	32.9	45.2	-1.4	80	04	21	24+	587	0	0	0	16	0	1.98	-1.87	0.99	05	0.0	0		9	4	0
SPERRYVILLE	M	M	M		77	07+	20	11	557E	0	0	0	7	0	M 1.43	-3.22	0.58	05	M 0.0	0		6	3	0
STERLING (RCS)	55.3	33.5	44.4	-1.0	76	03	20	12+	609	0	0	0	16	0	1.98	-1.60	0.97	08	0.0	0		7	4	0
VIENNA	54.8	34.6	44.7	-1.5	76	04+	20	12+	601	0	0	0	10	0	1.59	-1.97	0.86	08	0.0	0		6	3	0
WASHINGTON DULLES INTL AP	56.5	34.8	45.7	-0.7	77	03	21	11	573	1	0	0	14	0	1.99	-1.42	0.92	07	0.0	0		9	4	0
WASHINGTON REAGAN NATL AP	58.5	41.1	49.8	0.2	78	03	26	11	456	3	0	0	5	0	2.00	-1.17	1.07	07	0.0	0		9	3	1

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# MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
WINCHESTER	55.0	33.9	44.5	-0.9	76	03	19	11	607	0	0	0	13	0	1.41	-1.82	0.69	08	0.0	0		10	2	0
WINCHESTER 7 SE	55.6	30.0M	42.8M	-1.3	75	03	16	12+	660E	0	0	0	18	0	1.34	-1.81	0.71	08	0.0	0		8	2	0
WOODSTOCK 2 NE	54.5	31.5	43.0	-0.5	75	04+	16	11	653	0	0	0	17	0	0.98	-1.87	0.59	08	0.0	0		4	2	0
--DIVISIONAL DATA-----> CENTRAL MOUNTAIN 05			44.9	-0.3B											1.67	-1.79B								
BUENA VISTA															0.86		0.29	09	0.0	0		7	3	0
COVINGTON FLTR PLT	55.3M	31.3M	43.3M	-2.4	73	03	20	24+	640E	0	0	0	18	0	0.74	-2.62	0.33	08	0.0	0		8	2	0
DALE ENTERPRISE	55.1	30.9	43.0	-0.2	76	04	18	24+	651	0	0	0	19	0	1.10	-1.75	0.37	08	0.0	0		8	4	0
GATHRIGHT DAM	53.5	31.5	42.5	-1.1	71	04+	20	24+	670	0	0	0	18	0	0.96	-2.15	0.35	08	0.0	0		9	4	0
GLASGOW 1 SE															1.25		0.33	05	0.0	0		8	4	0
HOT SPRINGS	51.8	31.4	41.6	-0.9	71	04	19	23+	694	0	0	0	18	0	1.14	-2.58	0.40	08	0.0	0		10	5	0
LEXINGTON	55.9	31.1	43.5	-2.2	77	04	20	24	637	0	0	0	19	0	1.21	-2.18	0.51	05	0.0	0		8	3	0
MILLGAP	51.9	24.7	38.3	-1.3	68	03	11	24	796	0	0	0	22	0	1.14	-2.40	0.59	08	T	0		9	3	0
MTN GROVE															A 0.87		0.12	19	0.0	0		1	1	0
MUSTOE 1 SW	51.2	26.6	38.9	-1.5	67	02	14	23	775	0	0	0	24	0	1.48	-2.33	0.68	07	T	0		10	4	0
NEW CASTLE															0.91		0.19	09	T	0		10	5	0
ROANOKE 8 N	56.6	32.9	44.8	-2.3	76	04	23	23+	599	0	0	0	16	0	0.92	-2.34	0.33	05	0.0	0		8	3	0
ROANOKE INTL AP	58.5	36.5	47.5	-0.6	79	03	24	11	518	0	0	0	10	0	0.70	-2.70	0.32	04	0.0	0		7	3	0
STAUNTON WTP	54.4	34.0	44.2	-1.0	75	04	19	11	616	0	0	0	12	0	1.00	-2.09	0.44	08	0.0	0		7	4	0
WAYNESBORO WTP	54.3	31.3	42.8	-1.7	77	04	19	11	658	0	0	0	18	0	1.31	-3.17	0.47	05	0.0	0		6	3	0
WILLIAMSVILLE 2 S															1.20		0.55	08	T	0		6	4	0
--DIVISIONAL DATA-----> SOUTHWESTERN MOUNTAIN 06			42.8	-1.5B											1.05	-2.14B								
ABINGDON 3S	57.4	33.3	45.4	0.3	75	06	22	24+	584	0	0	0	20	0	1.33	-1.97	0.56	19	0.0	0		9	3	0
BIG STONE GAP	57.7	33.6	45.6	-0.7	73	03	23	22+	574	0	0	0	17	0	1.86	-2.10	0.72	19	0.0	0		9	3	0
BLACKSBURG NWSO	55.0	31.5	43.3	0.0	75	04	18	24+	644	0	0	0	17	0	1.19	-1.68	0.36	19	T	0		8	5	0
BURKES GARDEN	51.0	27.5	39.3	-1.2	68	06	11	24	763	0	0	1	20	0	0.90	-2.22	0.55	19	0.2	T	20	7	2	0
CHRISTIANSBURG	54.6	33.2	43.9	-1.5	73	04	21	24+	624	0	0	0	16	0	1.07	-1.83	0.23	04	0.0	0		9	5	0
CLINTWOOD 1 W	56.1	31.6	43.8	0.5	73	03	19	24+	629	0	0	0	18	0	1.44	-1.54	0.79	19	T	0		11	3	0
COPPER HILL	51.6	33.3	42.5		72	04	17	12+	668	0	0	0	14	0	1.03		0.22	09	0.0	0		8	4	0
ELK CREEK 4SSW	54.4	37.0	45.7		70	06+	17	11	571	0	0	0	10	0	0.76		0.22	05	T	T	19	8	4	0
GALAX WTP	55.3	32.7	44.0	1.1	74	04	21	24+	623	0	0	0	17	0	0.45		0.17	09	0.0	0		9	1	0
GRUNDY	56.0	34.1M	45.1M	0.2	74	03	22	23	592E	0	0	0	14	0	1.86	-1.05	0.74	19	0.0	0		10	3	0
JOHN FLANNAGAN LAKE	M	M	M		75	03	24	28	489E	0	0	0	5	0	MA 1.48		0.14	07	0.0	0		5	1	0
LEBANON	58.5	31.2	44.8	0.6	74	06+	18	24+	597	0	0	0	18	0	1.24	-1.77	0.61	07	0.0	0		7	3	0
NORA 4 SSE	52.7	36.3	44.5	0.0	69	03	23	25+	607	0	0	0	12	0	1.39	-1.97	0.44	19	T	T	19	12	3	0
PULASKI 2 E	55.2M	32.6M	43.9M	-0.8	73	04	18	23	626E	0	0	0	16	0	0.72	-1.73	0.21	19	0.0	0		7	4	0

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## MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
RADFORD 3 N	55.5	32.0	43.8	0.8	75	04	19	23	631	0	0	0	17	0	1.07	-2.28	0.35	20	0.0	0		9	4	0
RICHLANDS	57.3M	30.8	44.0M	-0.2	74	03	18	24+	626E	0	0	0	18	0	1.05	-1.93	0.44	19	T	0		11	2	0
SALTVILLE 1N	57.9	30.7	44.3	-0.3	74	06+	19	24+	612	0	0	0	20	0	1.03	-2.22	0.58	07	0.0	0		8	2	0
STAFFORDSVILLE 3 ENE	54.1	31.0	42.5	-1.4	74	04	17	24+	667	0	0	0	18	0	0.75	-2.09	0.28	19	0.0	0		11	2	0
WILLIS															1.05	0.25	05	0.0	0			7	6	0
WISE 1SE	55.7	36.3	46.0	0.4	69	07+	20	23	562	0	0	0	11	0	1.67	-1.79	0.67	06	0.0	0		12	2	0
WYTHEVILLE	54.5	32.2	43.4	0.7	72	03	18	24+	640	0	0	0	18	0	0.83	-1.90	0.23	09	0.0	0		8	4	0
--DIVISIONAL DATA----->			44.0	0.5B											1.13	-2.07B								

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### DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>VIRGINIA</b>																																
<b>TIDEWATER 01</b>																																
DISPUTANTA	1.60				0.22	0.02			0.08	0.43			0.59							0.15			0.11									
EMPORIA 1 WNW	2.33					0.69		T	0.08	0.56	0.10		0.61							0.13			0.16									
FREDERICKSBURG SEWAGE	M 1.64					0.65	0.02		0.43	0.06	0.04		0.21			0.04				0.04			0.15					-				
HOLLAND 1 E	1.09								0.37	0.18	0.01		0.45	0.01						0.05			0.02									
HOPEWELL	M 1.54				0.35	T		T	0.20	0.09			-	0.70		0.03				0.07			0.10									
NORFOLK INTL AP	1.17							0.08	0.34	0.24			0.49							0.01			0.01									
NORFOLK S	1.59							0.13	0.61	0.30			0.51							0.03			0.01									
NORTH	1.23								0.21	0.18			0.53										0.31									
PAINTER 2W	0.88							0.04	0.10	0.04	0.01		0.47							0.07			0.15									
STONY CREEK 2 N	1.74				0.28			0.02	0.59	0.02			0.03	0.53						0.12		0.14	0.01									
SUFFOLK LAKE KILBY	1.28							0.08	0.35	0.28			0.47							0.02			0.08									
WAKEFIELD 1NW	1.68				0.05			0.05	0.31	0.29			0.52							0.15			0.31									
WALKERTON 2 NW	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WALLACETON LK DRUMMOND	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WALLOPS ISLAND NASA TEST FACIL	1.27					T	0.13	0.33	0.02	0.04	T		0.57			T				0.07			0.11									
WARSAW 2 NW	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WEST POINT 2 NW	1.63				0.13	0.05		0.03	0.27	0.15	0.02		0.56							0.03			0.39									
WILLIAMSBURG 2 N	1.47				0.17			0.06	0.16	0.07			0.03	0.59						0.11			0.28									
<b>EASTERN PIEDMONT 02</b>																																
ALBERTA 5N	1.92				0.04				0.06	0.71	0.03		0.66							0.12			0.30									
AMELIA COURTHOUSE 1	1.27					0.06			0.16	0.26			0.56									0.23										
ASHLAND	2.15				0.41	0.11	T	0.31	0.14	0.03	T		0.79			0.02				0.01		0.33										
BREMO BLUFF	M 2.02	-	-			0.53			0.25	0.10	0.16		0.30	0.27		0.02	-	-	-	-		0.39										
BUCKINGHAM	A 1.77				*	0.78 <sub>a</sub>		T	0.11	0.27	0.10		0.24			0.03				0.05		0.19										
CAMP PICKETT	1.46				0.13	0.02			0.04	0.52	0.04		0.60							0.11			0.11									
CHASE CITY	1.53					0.10				0.62	0.07		0.64							0.10			0.10									
CLARKSVILLE	1.77								0.10	0.90	0.15		0.52			T				0.10		T										
CORBIN	M 1.41					0.44		0.01	0.32	0.10			-	0.30	0.01			T					0.23									
CROZIER	M 1.28					0.28			0.04	0.44			0.52														-					
FARMVILLE 2 N	1.13					0.16			0.20	0.11	0.15		0.50	T						0.01		T										
JOHN H KERR DAM	1.47								0.02	0.68	0.09		0.54			0.01				0.10		0.03										
KEYSVILLE 2 S	1.46				0.01	0.25			0.06	0.54	0.06		0.52							0.02												
LOUISA	1.35				0.15	0.38		0.18	0.06	0.09	0.02		0.27			0.05						0.15										
PALMYRA 3S	1.90					0.68			0.20	0.25	0.07		0.32							0.11		0.27										
PETERSBURG	1.52			0.13	0.01			0.12	0.31	0.08			0.62			0.03			0.10		0.12		0.01									
RICHMOND INTL AP	1.43			0.23		0.12		0.17	0.07	0.11			0.02	0.65				T			0.01		0.01	0.04								
WINTERPOCK 4 W	1.18				0.06	0.06			0.04	0.20	0.09		0.64	0.01						0.02		0.06										
<b>WESTERN PIEDMONT 03</b>																																
ALTAVISTA	1.12				0.05	0.10			0.07	0.35	0.10		0.31			0.01						0.13										
APPOMATTOX	1.40				0.02	0.21		T	0.16	0.31	0.12		0.36			0.04						0.14										

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DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																																			
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
		BEDFORD	0.87				0.30	0.01		0.08	0.20	0.18			0.02			0.01				0.07															
BROOKNEAL	1.66			0.12	0.10	0.01	T	0.06	0.51	0.16			0.55									0.15															
CHARLOTTESVILLE 2W	1.14				0.40	0.01		0.25	0.15	0.11			0.13			0.07				0.02																	
CHATHAM	1.36			0.03	0.08	0.10	0.03		0.52	0.18			0.40										0.02														
CONCORD 4 SSW	1.58			0.04	0.23	0.02		0.10	0.32	0.14			0.34			0.04			0.20			0.15															
DANVILLE RGNL AP	2.07	T		0.42	0.07		0.01	0.34	0.52			0.42	0.15		T	T			0.08		0.05	0.01								T							
FREE UNION	A 1.28			*	*	*	0.62 <sub>a</sub>		0.31	0.14	0.06		0.12			0.03																					
HOLCOMB ROCK	0.97				0.22			0.16	0.38	0.11			0.10							T																	
HUDDLESTON 4 SW	1.07			0.08	0.11	0.02		0.06	0.36	0.14			0.22			0.03				0.02			0.03														
LYNCHBURG INTL AP	1.02			0.28			0.01	0.06	0.03	0.22			0.30	0.01		0.01			T	0.03		0.02	0.05														
MARTINSVILLE FLTR PLT	1.54			0.52	0.03		0.01	0.03	0.57	0.10			0.20			0.04				0.04																	
MEADOWS OF DAN 5 SW	0.97			0.15	0.11	0.04	0.03	0.05	0.29	0.03			0.21							0.06																	
MONTEBELLO FISH CULTURAL STN	M			*	*	0.30 <sub>a</sub>		0.26	0.18	0.07	-	-	0.10			0.06	-			0.05	-	-	-	-	-	-	-	-	-	-	-	-	-				
MONTICELLO	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PEDLAR DAM	0.98		T		0.25	T	T	0.16	0.40	0.05			0.09			0.03				T																	
ROCKY MT	0.94			T	0.10			0.06	0.33	0.05	0.01		0.22			0.02				0.03																	
S BOSTON	1.88				0.05			0.07	0.76	0.15			0.68										0.02														
STUART	1.06				0.18	0.02		0.04	0.50				0.20			0.02				0.05				0.05													
WOOLWINE	1.26			0.39	0.16	0.02		0.07	0.33	0.03			0.14			0.02				0.10																	
<b>NORTHERN 04</b>																																					
FRONT ROYAL	1.45				0.41	0.02	0.03	0.81	0.02	0.04			0.06			0.03				0.03																	
PURCELLVILLE	1.76				0.54	0.02	0.01	0.78	0.05	0.10			0.16			0.03				0.07			T														
LURAY 5 E	1.15				0.35			0.28	0.41		0.01		0.07			0.02				0.01																	
MANASSAS	A 2.37		0.10		0.80	0.05	*	1.00 <sub>a</sub>		0.10			0.22			0.10																					
PIEDMONT RSCH STN	MA 2.08		-		*	*	1.24 <sub>a</sub>		0.45	0.08	0.12		0.14			0.03						0.02															
SOMERSET	1.98		0.01		0.05	0.99	0.01	T	0.45	0.11	0.09		0.22			0.05				0.05																	
SPERRYVILLE	M 1.43				T	0.58		0.05	0.52	0.08	0.06		0.14							-																	
STERLING (RCS)	1.98		T		T	0.67	0.04	T	0.97	0.01	0.01		0.18			T				0.10		T															
VIENNA	1.59				0.46	0.04		0.86	0.03				0.09																								
WASHINGTON DULLES INTL AP	1.99	T		T	0.60	0.10	T	0.92		0.04			0.03	0.17		T			0.01	0.09												0.03					
WASHINGTON REAGAN NATL AP	2.00	T	T		0.58	0.09	T	1.07		0.03			0.01	0.13		T			T	0.07		0.01											0.01				
WINCHESTER	1.41			0.02		0.44	0.02	0.04	0.69	0.02	0.04			0.03			0.06			0.05																	
WINCHESTER 7 SE	1.34				0.40	0.02	0.09	0.71	0.03	0.04				0.03			0.02																				
WOODSTOCK 2 NE	0.98				0.25			0.59	0.07							0.07																					
<b>CENTRAL MOUNTAIN 05</b>																																					
BUENA VISTA	0.86				0.21		0.05	0.17	0.29	0.07			0.05			0.02																					
COVINGTON FLTR PLT	0.74		T		0.12		0.06	0.33	0.09	0.05			0.05		0.02	0.02																					
DALE ENTERPRISE	1.10						0.20	0.20	0.37	0.07	0.10		0.08	0.02		0.06																					
GATHRIGHT DAM	0.96			0.02	0.11		0.10	0.35	0.09	0.02			0.05			0.03								0.19													
GLASGOW 1 SE	1.25				0.33		0.06	0.29	0.30	0.10			0.09			0.05								0.03													
HOT SPRINGS	1.14		0.02		0.02	0.13	0.18	0.40	0.10	0.05			0.10			0.06				T																	
LEXINGTON	1.21		T		0.51		0.08	0.21	0.18	0.04			0.09			0.04																					

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## DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																																	
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MILLGAP	1.14				T	0.12		0.01	0.59	0.02	0.03			0.02	T	0.04				0.30	0.01														
MTN GROVE	A 0.87					*	*	*	0.75 <sub>a</sub>	0.02				T		T				0.12															
MUSTOE 1 SW	1.48			0.04	0.15		0.06	0.68	0.02	0.13			0.05		T	0.08			0.20	0.07															
NEW CASTLE	0.91				0.13	0.18		0.02	0.18	0.19	0.01			0.04	0.01					0.13	T														
ROANOKE 8 N	0.92		0.01		0.17	0.33	0.02		0.07	0.17				0.08						0.07															
ROANOKE INTL AP	0.70		T	T	0.32		0.02	0.04	0.04	0.08			0.10	T		T				0.10												T			
STAUNTON WTP	1.00					0.16	T	T	0.44	0.13	0.03			0.07		T	0.05	T	T	0.12	T														
WAYNESBORO WTP	1.31					0.47			0.42	0.21	0.08			0.09			0.04																		
WILLIAMSVILLE 2 S	1.20		T				0.20	0.11	0.55	0.07				0.07			T			0.20															
<b>SOUTHWESTERN MOUNTAIN 06</b>																																			
ABINGDON 3S	1.33				0.06	0.08		0.25	0.08	0.12				0.05			0.05			0.56	0.08														
BIG STONE GAP	1.86			0.05	0.04		0.55	0.25	0.08	0.04				0.05			0.08			0.72															
BLACKSBURG NWSO	1.19		0.01		0.14	0.20		0.02	0.25	0.17	T			0.04	T		T			0.36	T														
BURKES GARDEN	0.90				0.04	0.05		0.17	T	0.04				0.03						0.55	0.02														
CHRISTIANSBURG	1.07		0.01		0.23	0.20		0.02	0.08	0.20	0.05			0.11						0.17															
CLINTWOOD 1 W	1.44				0.02	0.03	0.20	0.18	0.02	0.08	0.02			0.03	0.05		0.02			0.79	T														
COPPER HILL	1.03				0.14	0.20		0.06	0.07	0.22	0.06			0.21						0.07															
ELK CREEK 4SSW	0.76	T			0.04	0.22	0.01	0.02	0.11	0.15	T			0.03						0.18															
GALAX WTP	0.45		0.03		0.05	0.08	0.01	0.02	0.02	0.17				0.05						0.02															
GRUNDY	1.86		0.01		0.60	0.08	0.13	0.09	0.04	0.07				0.05			0.05			0.74	T														
JOHN FLANNAGAN LAKE	MA 1.48	-	0.02		*	*	0.22 <sub>a</sub>	0.14	0.04	0.06	*	*	*	0.04 <sub>a</sub>	0.01		-		*	*	0.95 <sub>a</sub>	*													
LEBANON	1.24				T	T	0.01	0.61	0.12					0.01			0.02			0.39		0.08													
NORA 4 SSE	1.39		T		0.01	0.08	0.24	0.39	0.04	0.07	0.01			0.04	0.02		0.01			0.44	0.04														
PULASKI 2 E	0.72		T		0.03	0.10	T	0.05	0.16	0.13	T			0.04						0.21															
RADFORD 3 N	1.07		0.03		0.21	0.11		0.04	0.15	0.09	0.04		0.05		T					0.35															
RICHLANDS	1.05		0.02		0.07	0.03	0.03	0.26	T	0.07				0.06			0.01			0.44	0.01		0.05												
SALTVILLE 1N	1.03				0.05			0.58	0.04	0.07				0.02			0.02			0.24		0.01													
STAFFORDSVILLE 3 ENE	0.75		0.03		0.06	0.08	0.01	0.02	0.06	0.15	0.02				0.01					0.28	0.03														
WILLIS	1.05		0.04		0.14	0.25	T	T	0.10	0.22				0.20						0.10															
WISE 1SE	1.67				0.02	0.05	0.67	0.02	0.04	0.08				0.08		0.01	0.04			0.62	0.02			0.02											
WYTHEVILLE	0.83				0.09	0.11		0.13	0.04	0.23	0.03			0.05						0.15															



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## DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE		
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<b>VIRGINIA</b>																																				
<b>TIDEWATER 01</b>																																				
DISPUTANTA	07	MAX	68	71	77	80	59	69	77	55	47	53	50	41	48	45	52	53	64	54	64	59	54	64	56	45	54	66	59	60	64	70		59.3		
		MIN	38	43	51	51	52	53	54	42	42	42	27	26	29	32	29	30	29	28	33	27	27	30	28	22	24	26	27	26	28	33		34.3		
EMPORIA 1 WNW	08	MAX	70	74	80	82	60	69	79	58	48	53	57	45	51	47	55	55	54	56	66	59	56	64	64	49	58	69	62	63	66	71		61.3		
		MIN	39	44	52	58	53	54	56	43	43	45	28	29	29	40	33	34	33	31	38	32	30	31	32	26	26	29	32	30	30	35		37.2		
FREDERICKSBURG SEWAGE	07	MAX	64	63	78	81	54	62	76	48	48	53	44	38	47	53	49	55	63	55	62	55	53	63	57	48	55	65	57		70		57.7			
		MIN	39	41	49	50	49	51	48	39	39	41	24	24	21	32	29	29	30	29	42	28	28	28	25	25	26	26	28		30		33.9			
HOLLAND 1 E	08	MAX	73	79	79	68	72	78	65	62	61	59	50	54	49	53	55	65	56	65	66	61	65	63	50	55	65	59	61	66	69	67		63.0		
		MIN	49	52	52	59	58	57	47	47	54	37	31	31	38	39	37	40	31	30	39	40	31	42	30	25	32	34	29	30	40	36		39.9		
HOPEWELL	16	MAX	72	78	82	81	81	75	74	46	52	52	52		46	49	53	64	64	63	65	56	62	62	57	58	67	65	61	64	70	70		63.5		
		MIN	40	57	56	54	52	57	45	41	44	43	28		27	38	34	42	32	32	54	31	35	49	34	25	25	36	29	30	30	30		39.0		
NORFOLK INTL AP	24	MAX	76	77	81	68	71	80	68	56	62	59	43	53	55	53	56	66	55	67	67	54	66	61	47	52	68	57	60	63	70	66		62.6		
		MIN	49	59	56	60	60	58	52	51	55	39	34	35	47	48	48	47	36	33	46	37	35	45	35	29	35	36	35	35	45	46		44.2		
NORFOLK S	24	MAX	68	72	76	67	70	77	67	54	61	56	40	50	52	51	54	63	51	64	65	52	64	60	45	50	65	56	57	63	66	65		60.0		
		MIN	45	46	57	58	59	58	51	50	54	37	33	34	46	46	43	46	36	34	45	37	35	44	32	29	35	37	34	34	42	42		42.6		
NORTH	07	MAX	65	67	73	77	59	67	73	53	54	58	50	41	47	48	50	56	63	52	65	58	53	62	60	44	53	64	57	59	60	68		58.5		
		MIN	43	47	54	53	54	59	53	46	47	45	29	30	31	39	37	39	38	32	43	33	33	44	31	27	28	34	30	31	32	38		39.3		
PAINTER 2W	16	MAX	70	77	78	77	73	73	71	51	60	58	44	51	49	52	59	63	60	61	67	53	63	61	52	54	62	59	58	62	66	62		61.5		
		MIN	45	56	53	51	59	59	48	45	47	41	27	27	41	40	39	46	42	31	52	40	33	51	31	24	28	41	29	32	43	38		41.3		
STONY CREEK 2 N	08	MAX	73	79	82	68	69	78	65	55	52	54	45	49	46	51	54	65	54	65	65	64	63	51	56	69	60	61	65	70	67		61.7			
		MIN	39	42	50	50	53	54	44	42	43	34	27	27	29	35	32	32	31	29	36	32	29	29	28	24	24	27	26	26	28	32		34.5		
SUFFOLK LAKE KILBY	24	MAX	71	76	79	66	71	75	64	53	59	55	42	52	48	51	53	63	53	62	64	53	63	61	45	53	64	58	57	64	68	65		60.3		
		MIN	46	55	54	58	56	59	46	46	53	37	32	33	41	40	37	45	34	32	40	33	34	41	32	30	34	37	33	33	43	41		41.2		
WAKEFIELD 1NW	24	MAX	74	79	81	66	69	77	63	48	54	56	45	50	46	53	55	65	56	64	66	55	64	64	47	57	66	61	63	66	69	67		61.5		
		MIN	45	55	53	53	54	58	44	44	48	32	27	26	34	34	30	41	30	29	33	29	33	39	27	23	27	31	28	29	39	35		37.0		
WALKERTON 2 NW	18	MAX																																	M	
		MIN																																	M	
WALLACETON LK DRUMMOND	08	MAX																																	M	
		MIN																																		M
WALLOPS ISLAND NASA TEST FACIL	24	MAX	69	74	77	64	70	73	63	50	59	53	41	49	48	54	58	61	54	60	62	49	62	61	42	50	61	57	57	61	66	60		58.8		
		MIN	47	57	54	50	61	62	47	46	48	30	25	30	42	40	41	45	33	32	40	37	38	39	28	27	31	31	32	33	39	41		40.2		
WARSAW 2 NW	18	MAX																																	M	
		MIN																																		M
WEST POINT 2 NW	17	MAX	70	77	82	78	67	75	70	47	56	55	40	46	45	49	53	65	57	64	65	54	62	61	50	54	66	60	60	62	69	63		60.7		
		MIN	44	56	53	52	53	59	43	42	46	31	27	27	37	34	31	42	31	30	38	29	35	37	27	25	28	31	27	30	39	36		37.3		
WILLIAMSBURG 2 N	24	MAX	72	78	80	68	71	76	64	49	59	54	42	49	47	51	56	65	54	63	65	54	64	63	45	54	66	60	61	64	70	65		61.0		
		MIN	47	58	55	55	56	60	45	45	49	35	30	30	39	39	35	45	34	33	39	32	35	40	29	28	30	35	33	32	42	40		40.2		
<b>EASTERN PIEDMONT 02</b>																																				
AMELIA COURTHOUSE 1	08	MAX	67	67	76	81	55	63	75	52	48	49	52	44	47	44	49	51	64	54	64	57	53	61		61	62		67	60	63	68		59.1		
		MIN	41	42	53	55	49	53	52	40	41	39	22	25	39	36	28	33	31	31	43	28	33	40		23	27		29	29	33	36		36.8		
ASHLAND	18	MAX	65	74	78	70	60	73	68	44	53	53	39	47	48	49	53	62	53	62	62	52	62	61	45	53	66	56	59	63	68	63		58.7		

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STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BREMO BLUFF	07	MIN	40	53	53	51	49	53	40	39	41	35	23	25	38	33	29	39	29	30	46	28	32	45	27	24	29	33	28	29	36	35	36.4	
		MAX			79	84	60	63	78	55	47	51	51	42	48	53	58	53						65	63	61	46	48	67	64				
CAMP PICKETT	08	MIN			34	48	49	49	50	37	41	35	21	20	21	33	25	23						24	25	22	20	24	26	23			59.5	
		MAX	68	71	78	81	56	64	75	54	45	49	55	41	48	44	50	53	65	55	65	58	56	62	63	48	57	69	60	62	64	70		
CHASE CITY	17	MIN	39	43	52	51	50	51	54	41	41	39	26	26	28	37	31	37	30	29	40	29	29	30	28	24	24	30	27	27	29	38	35.3	
		MAX	68	70	75	80	59	65	74	56	46	50	58	44	49	52	53	54	66	56	66	58	55	62	63	50	59	67	60	61	63	69		
CLARKSVILLE	07	MIN	38	38	48	48	50	50	50	43	42	38	30	29	32	42	33	33	31	31	43	28	29	31	31	27	27	34	27	29	29	35.6		
		MAX	73	72	78	84	60	64	75	57	45	49	61	44	48	54	54	55	68	57	67	59	56	63	64	49	56	68	62	62	72			
CORBIN	09	MIN	38	43	51	50	50	53	56	43	42	39	28	28	30	42	34	35	33	32	42	28	32	34	32	26	28	31	29	29	35	36.7		
		MAX	64	77	80	63	59	74	57	44	54	48	38	47	52	48	53	62	53	62	62	53	63	58	45	54	65	55	60	64	70			
CROZIER	07	MIN	39	50	56	49	50	57	40	39	42	28	22	26	35	33	28	38	28	31	37	27	38	34	27	25	33	31	29	31	35	35.8		
		MAX	64	63	75	80	54	60	75	49	44	48	48	38	45	47	47	52	63	54	63	57	53	60	60	45	54		57	60	63			
FARMVILLE 2 N	07	MIN	39	39	51	51	47	49	49	39	39	39	16	25	25	30	26	26	28	29	47	27	28	36	25	23	27	26	28	30	36	33.8		
		MAX	64	69	75	81	55	61	75	52	44	49	53	41	45	47	49	51	64	59	65	64	54	60	62	47	57	68	60	61	64			
JOHN H KERR DAM	08	MIN	40	41	50	50	49	51	52	40	40	37	27	26	27	38	28	28	31	31	40	27	28	33	27	24	32	27	27	30	36	34.7		
		MAX	72	75	81	84	60	67	76	58	45	50	60	45	50	49	55	56	68	57	66	60	56	64	66	51	60	69	63	64	69			
KEYSVILLE 2 S	07	MIN	42	42	52	52	51	53	58	43	42	39	26	27	30	42	30	35	32	32	47	32	35	47	30	25	28	35	30	28	34	37.6		
		MAX	65	70	76	77	56	62	74	53	43	48	56	41	46	44	51	52	65	56	64	56	54	60	61	46	56	67	58	62	63			
LOUISA	18	MIN	37	42	47	51	47	48	53	40	39	38	24	24	28	39	32	32	30	28	41	27	27	28	27	25	27	37	28	30	36	34.8		
		MAX	62	75	80	73	56	74	65	43	49	47	38	46	52	46	49	64	56	62	60	53	60	60	45	54	62	57	60	63	69			
PALMYRA 3S	06	MIN	35	45	46	46	46	56	39	38	41	32	20	21	37	29	21	37	24	26	43	24	38	41	20	26	29	24	26	28	29	32.9		
		MAX	64	62	76	81	51	60	74	49	44	48	49	38	45	50	47	50	64	54	62	57	54	61	60	45	54	63	58	61	64			
PETERSBURG	07	MIN	37	38	46	46	47	49	49	39	40	33	24	22	25	35	23	24	27	25	41	25	24	25	22	20	22	30	23	26	29	31.4		
		MAX	73	79	82	59	66	75	75	47	53	54	42	49	54	51	55	66	56	66	60	60	63	64	64	56	69	61	63	65	71			
RICHMOND INTL AP	24	MIN	42	54	53	53	53	55	42	42	44	29	28	29	32	29	29	32	31	39	30	29	36	30	26	26	29	28	28	30	33	35.8		
		MAX	71	77	82	64	64	76	61	46	55	52	42	48	48	51	56	65	55	62	66	54	62	63	45	56	69	59	62	63	71			
WESTERN PIEDMONT 03 APPOMATTOX	07	MIN	45	57	54	52	51	56	42	41	45	30	26	28	39	35	33	41	32	32	39	33	34	36	28	26	29	34	29	32	35	37.8		
		MAX	61	63	73	78	50	58	72	49	43	48	54	38	42	46	47	49	61	53	61	53	50	56	58	43	52	65	55	58	59			
BROOKNEAL	07	MIN	39	41	51	50	45	48	48	39	39	40	22	23	33	36	28	28	31	31	38	30	31	33	28	29	28	35	35	38	36	35.7		
		MAX	65	68		81	53	67	72	53	45	50	57	41	44	55	55	52	65	61	64	56	55	59	62	48	57	66		61	63			
CHARLOTTESVILLE 2W	08	MIN	36	42		44	47	51	53	42	42	34	23	26	26	39	26	30	28	28	47	26	23	36	25	21	24	24	23	24	29	32.6		
		MAX	63	56	75	80	50	56	73	46	44	49	48	38	44	52	46	51	62	56	60	53	53	60	57	46	56	63	57	61	64			
CHATHAM	07	MIN	42	42	50	49	45	48	46	39	39	41	22	23	29	35	32	33	35	36	38	32	33	36	28	28	30	36	40	40	42	37.0		
		MAX	66	67	75	81	58	60	71	57		51	56	39	45	60	50	49	66	56	64	58	53	60	61	46	54	64	59	60	64			
DANVILLE RGNL AP	24	MIN	34	36	45	43	47	49	54	41	42	33	25	23	23	39	26	26	28	28	33	24	23	25	26	21	21	25	24	24	25	31.2		
		MAX	71	76	81	66	61	72	61	45	51	57	43	48	61	51	52	66	57	66	65	55	62	61	48	57	67	58	61	64	69			
FREE UNION	07	MIN	39	50	46	48	48	55	43	42	43	32	25	27	40	34	28	32	30	29	31	26	28	32	26	23	27	29	25	26	29	34.2		
		MAX	63	55	75	79	51	57	75	48	46	49	48	38	44	52	47	50	64	58	63	54	53	59	58	47	57	64	58	62	64			
LYNCHBURG INTL AP	24	MIN	36	36	44	46	45	48	48	41	40	35	21	21	26	35	26	30	28	32	29	25	25	22	22	23	26	30	28	28	29	31.7		
		MAX	63	74	80	65	57	73	60	45	50	54	39	43	59	48	49	63	56	62	62	51	59	58	46	55	65	57	60	62	68			
		MIN	41	48	48	46	47	56	41	41	38	28	23	26	36	31	26	32	28	32	35	28	28	30	24	23	28	26	26	28	30	33.9		
		MAX																																

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# DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARTINSVILLE FLTR PLT	07	MAX	68	68	75	81	69	60	73	58	46	52	55		47	59	50	51	66	56	64	52	54	61	58	48	58	66	58	61	64	69		60.2	
		MIN	33	33	44	44	44	49	53	43	43	32	24	24	28	39	26	26	27	27	40	26	25	28	25	21	21	26	23	23	24	24		31.5	
MEADOWS OF DAN 5 SW	07	MAX	64	66	72	78	58	58	70	55	48	54	52	40	50	53	47	49	61	61	61	48	53	56	56	46	61	63	55	61	64	65		57.5	
		MIN	37	43	43	48	50	51	55	44	43	34	26	26	32	39	34	36	32	32	41	29	28	34	29	29	30	33	29	29	31	33		36.0	
MONTEBELLO FISH CULTURAL STN	07	MAX		58				72	71	45	40	50				50	38	45			61	43												M	
		MIN		38				42	44	34	34	34				35	22	22			35	26												M	
MONTICELLO	07	MAX																																M	
		MIN																																	M
ROCKY MT	07	MAX	65	65	74	80	63	58	76	56	45	51	53	41	45	56	49	49	64	56	62	49	54	59	55	50	58	64	57	61	63	68		58.2	
		MIN	36	36	36	53	47	48	55	42	42	32	22	26	28	37	33	33	28	35	38	31	28	29	24	23	23	28	27	27	27	31		33.5	
S BOSTON	07	MAX	69	72	79	84	60	66	75	57	45	50	59	44	49	60	54	53	68	59	67	58	57	65	63	50	58	69	64	63	66	71		61.8	
		MIN	36	39	47	47	48	49	55	43	43	36	26	27	32	41	29	29	31	29	38	27	26	26	27	22	24	27	24	25	26	29		33.6	
STUART	07	MAX	68	68	75	82		60	71	57		54	56	50	49	59	50	51	67	59	63	53	55	59	60	51	59	66	60	62	65	70		60.7	
		MIN	39	42	49	51	48	49	55	44	44	33	24	25	31	39	31	31	28	33	42	25	28	37	27	25	26	30	25	28	29	30		34.9	
<b>NORTHERN 04</b>																																			
FRONT ROYAL	06	MAX	59	52	73	75	54	62	73	43	45	48	44	35	45	48	48	50	59	52	61	47	50	62	50	49	55	62	53	60	62	62		54.6	
		MIN	38	42					42		40	40	20	18	28	36	23	28	28	28	39	32	32	34	25	25	27	33	33	36	34	38		32.0	
PURCELLVILLE	08	MAX	58	50	74	73	57	59	71	43	47	47	40	36	44	48	47	52	48	51	60	48	50	58	53	42	54	60	51	59	61	65		53.5	
		MIN	34	42	44	41	42	50	40	37	39	38	19	24	28	36	27	29	37	28	37	34	32	32	27	24	27	31	40	31	31	32		33.8	
LURAY 5 E	08	MAX	60	55	76	75	52	64	74	43	44	48	47	36	48	52	44	48	59	53	62	50	49	62	50	59	59	64	53	59	65	67		55.9	
		MIN	37	41	49	41	45	45	43	36	35	41	16	23	32	38	24	30	29	29	43	25	28	40	20	25	30	33	27	31	31	35		33.4	
MANASSAS	07	MAX	60	56	76	77	56	60	72						48	51			53	61	52	62	51	52	61	55	45	55	62	53	61	63	68		57.6
		MIN	38	40	46	46	46	51		39	39	41				35	29	29	39	32	43	35	33	39	25	25	31	32	29	30	30	38		36.2	
PIEDMONT RSCH STN	08	MAX	61	75	74	76	60	60	71	46	44	46	36	44	45	52	47	49	62	62	54	62	52	61	57	44	54	61	56	61	62	68		56.7	
		MIN	42	45	51	46	45	55	46	38	38	28	22	23	36	36	34	31	34	28	30	28	28	33	27	23	23	33	33	33	30	32		34.4	
SOMERSET	08	MAX	64	57	75	80	51	59	74	46	45	49	49	37	45	52	47	51	64	56	62	54	53	60	57	55	64	64	62	63	63	69		57.6	
		MIN	37	37	45	48	45	49	46	39	40	34	22	23	28	28	24	29	33	29	43	30	27	35	21	21	22	32	29	28	29	33		32.9	
SPERRYVILLE	06	MAX		58	76	77	50	57	77	46	48	51	49	39	46	54	48						54	60	54									M	
		MIN		39	48	44	44	50	46	40	41	42	20	21	30	36	30						29	28	25									M	
STERLING (RCS)	07	MAX	59	54	76	75	56	60	71	44	48	49	41	36	45	49	47	54	61	51	62	48	51	60	60	44	54	61	52	60	63	67		55.3	
		MIN	38	40	43	45	45	46	44	38	39	38	20	20	26	37	26	29	37	30	37	35	32	31	24	24	24	31	31	31	32	32		33.5	
VIENNA	07	MAX	57	73	76	76	55	59	68	43	51	51	42	35	44	47	46	51	59	49	58	49	60	54	54	41	52	59	50	60	60	65		54.8	
		MIN	38	42	46	43	43	51	43	36	37	40	20	20	28	35	29	29	38	34	36	37	34	34	25	25	27	34	34	31	31	38		34.6	
WASHINGTON DULLES INTL AP	24	MAX	56	76	77	57	60	72	51	48	50	46	37	47	50	49	54	62	53	62	60	51	60	56	44	55	62	53	60	63	68	57		56.5	
		MIN	37	43	54	46	50	51	39	39	42	29	21	23	36	34	27	39	29	31	40	35	34	34	25	24	28	31	30	30	32	32		34.8	
WASHINGTON REAGAN NATL AP	24	MAX	64	77	78	61	62	70	56	49	57	50	39	47	53	51	55	64	54	63	64	53	62	59	47	53	60	55	62	61	70	60		58.5	
		MIN	46	51	58	49	54	56	42	42	45	32	26	31	41	39	35	44	40	37	43	38	40	37	32	32	38	43	38	39	42	42		41.1	
WINCHESTER	07	MAX	60	50	76	73	54	59	70	43	50	47	40	37	49	49	46	54	58	51	59	48	52	62	50	48	58	63	52	62	65	65		55.0	
		MIN	37	41	43	42	41	49	40	37	37	37	19	20	27	37	27	27	37	32	38	32	32	41	24	24	25	41	35	31	31	34		33.9	
WINCHESTER 7 SE	08	MAX	59	50	75	73	53	60	71	43	49	47	41	35	46	53	47	51	59	52	60	47	50	61	61	61	57	62	53	62	62	67		55.6	
		MIN	32	40	42	39	38	49	38	37	37	36	16	16	25	36	23	24	36	25	32	28	28			20	18	21	21	31	28	27	27		30.0
WOODSTOCK 2 NE	07	MAX	51	52	75	75	53	60	74	43	45	48	41	37	49	52	45	50	49	54	61	47	51	62	50	45	59	61	65	67			54.5		

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## DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE	
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
CENTRAL MOUNTAIN 05 COVINGTON FLTR PLT		MIN	41	41	43	43	42	47	43	37	37	40	16	17	28	37	25	25	25	29	37	27	26	26	18	19	25	34	31	29	29	29		31.5	
	07	MAX	57	57	73	71	56	65	72	55	43	50	47	39	44		53	47	57	54	60	47	48	61	49	49	57	58	51	58	61	65		55.3	
DALE ENTERPRISE		MIN	36	36	44	46	49	49	49	40	39	33	22	22	29		37	28	29	28	31	27	23	22	20	20	23	26	24	24	26	26		31.3	
	07	MAX	62	55	74	76	58	69	69	46	46	46	46	44	44	45	45	47	45	47	69	57	47	60	56	44	50	62	53	62	62	68		55.1	
GATHRIGHT DAM		MIN	39	39	41	42	44	48	46	37	37	35	18	18	29	30	24	24	28	28	41	23	23	25	18	18	25	31	31	28	28	30		30.9	
	07	MAX	56	56	71	71	55	63	65	50	45	49	44	38	43	51	46	46	54	52	59	45	46	59	47	48	56	59	51	58	59	64		53.5	
HOT SPRINGS		MIN	38	38	46	47	48	48	48	38	39	35	20	20	27	38	26	27	28	28	33	27	22	23	21	20	24	28	27	27	27	28		31.5	
	07	MAX	55	56	70	71	52	61	68	51	44	48	41	37	43	50	43	45	52	49	59	40	44	57	44	44	52	56	50	54	56	61		51.8	
LEXINGTON		MIN	36	42	46	48	46	48	45	36	36	36	19	20	27	37	25	25	28	27	34	25	24	24	19	20	25	31	26	27	29	32		31.4	
	07	MAX	62	56	74	77	54	58	74	52	45	49	51	39	44	55	45	48	60	56	60	49	50	59	52	48	57	62	55	59	62	66		55.9	
MILLGAP		MIN	34	36	46	45	47	49	51	39	39	35	24	24	27	36	26	26	28	27	31	27	23	23	21	20	22	26	24	24	26	26		31.1	
	06	MAX	54	59	68	67	50	61	67	48	44	48	38	38	44	47	44	47	49	54	58	37	46	59	42	49	57	57	50	54	60	62		51.9	
MUSTOE 1 SW		MIN	27	35	38	40	47	46	37	34	34	30	12	13	25	27	16	15	29	20	26	27	14	13	12	11	16	16	18	18	19	26		24.7	
	24	MAX	57	67	66	52	58	66	47	43	46	41	35	42	49	41	44	50	51	56	51	45	57	43	45	53	55	49	54	56	62	56		51.2	
ROANOKE 8 N		MIN	31	30	38	45	45	41	34	33	32	19	15	22	31	23	18	29	22	24	29	23	17	22	14	19	22	23	23	23	29		26.6		
	07	MAX	64	57	74	76	56	55	75	56	43	51	49	39	45	54	48	51	61	56	61	47	51	59	52	49	58	64	55	61	64	67		56.6	
ROANOKE INTL AP		MIN	36	38	38	38	47	47	50	40	40	38	23	23	28	38	32	30	29	29	35	28	26	27	23	24	25	31	33	30	29	33		32.9	
	24	MAX	60	76	79	67	57	77	58	44	53	51	39	47	57	49	49	62	57	63	62	52	60	54	49	58	65	56	62	65	68	60		58.5	
STAUNTON WTP		MIN	40	49	51	47	48	51	43	42	42	31	24	28	38	33	36	38	31	33	38	33	27	31	25	26	31	38	38	32	36	36		36.5	
	08	MAX	60	56	72	75	49	59	72	44	41	48	46	36	47	51	42	47	58	54	58	47	46	58	50	46	57	62	62	59	60	69		54.4	
WAYNESBORO WTP		MIN	38	40	40	46	44	48	44	36	36	37	19	21	32	34	26	28	28	32	40	29	31	38	21	23	28	35	34	34	40	38		34.0	
	07	MAX	60	56	74	77	50	59	74	48	42	48	45	36	46	51	44	44	59	52	60	48	48	59	52	45	55	62	53	57	61	65		54.3	
		MIN	36	37	47	46	45	49	48	37	37	33	19	20	29	36	24	24	29	29	34	25	24	25	20	20	24	28	28	28	29		31.3		
<b>SOUTHWESTERN MOUNTAIN 06</b>																																			
ABINGDON 3S		MAX	59	61	74	66	69	75	63	68	49	53	46	51	47	46	52	55	58	62	64	41	51	62	50	52	59	56	51	57	65	61		57.4	
	06	MIN	32	38	47	50	50	51	55	47	45	32	29	29	35	30	29	29	28	28	38	24	23	27	22	22	27	30	23	23	27	28		33.3	
BIG STONE GAP		MAX	60	61	73	65	67	70	71	56	48	58	48	55	54	45	52	54	60	62	59	40	50	61	51	53	59	60	54	58	63	64		57.7	
	08	MIN	35	34	47	52	53	53	53	44	43	32	27	35	35	35	29	27	30	30	37	23	23	23	24	24	27	28	26	26	25	27		33.6	
BLACKSBURG NWSO		MAX	59	57	72	75	56	63	71	54	42	50	45	41	45	49	46	48	57	56	58	54	49	59	48	50	59	57	51	56	62	62		55.0	
	07	MIN	37	38	44	46	45	46	49	38	38	36	22	22	28	32	28	35	26	26	33	27	25	26	18	18	23	29	34	25	25	26		31.5	
BURKES GARDEN		MAX	53	55	66	63	55	68	63	61	42	48	38	43	47	40	43	48	51	55	58	31	42	56	42	48	55	52	43	52	57	56		51.0	
	07	MIN	32	34	39	50	43	45	46	40	39	33	18	21	30	33	21	22	18	18	31	21	19	20	12	11	18	30	21	20	19	22		27.5	
CHRISTIANSBURG		MAX	57	61	70	73	58	62	70	56	55	49	44	41	46	47	44	49	57	54	57	40	48	59	49	50	59	56	50	56	61	61		54.6	
	07	MIN	36	36	49	49	44	46	52	41	37	37	21	22	30	34	31	34	27	29	29	26	26	32	21	21	26	36	31	31	29	34		33.2	
CLINTWOOD 1 W		MAX	56	58	73	69	69	69	71	66	44	50	42	56	51	44	45	54	56	57	62	39	48	62	44	49	59	59	50	55	63	62		56.1	
	07	MIN	33	38	47	49	49	50	54	42	41	30	22	22	37	38	24	24	30	30	37	25	24	24	19	19	22	26	21	21	24	25		31.6	
COPPER HILL		MAX	56	56	67	72	52	57	68	52	40	47	47	35	49	47	42	43	54	51	60	39	45	55	46	44	53	55	48	53	57	59		51.6	
	07	MIN	38	40	51	51	43	49	50	36	36	36	17	17	30	33	29	31	27	24	35	24	23	36	20	21	30	34	32	38	36		33.3		
ELK CREEK 4SSW		MAX	58	61	68	70	56	70	67	59	44	49	45	44	49	44	47	49	54	57	59	40	50	55	47	52	58	57	49	55	58	60		54.4	
	07	MIN	41	45	53	56	51	53	53	42	41	34	17	19	38	32	30	33	33	35	32	22	29	39	26	26	31	33	34	42	44	45		37.0	

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## DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GALAX WTP	07	MAX	63	62	68	74	58	59	69	56	45	52	48	39	49	48	50	48	59	59	58	42	53	54	50	49	58	57	51	58	60	64	55.3	
		MIN	31	36	42	42	49	49	53	44	42	39	23	22	32	34	30	37	28	29	38	27	26	35	21	21	22	28	26	24	24	26		
GRUNDY	07	MAX	57	55	74	70	64	72	71	64	44	49	44	54	52	44	46	56	57	56	63	39	50	63	45	49	56	60	50	53	60	64	56.0	
		MIN	34	39	45	50	54	54	53	42	42	35	24	27	40	40	30			37	27	27	26	22	24	25	27	23	23	26	26			
JOHN FLANNAGAN LAKE	07	MAX		63	75			73	74	63	43					45	48		63				52	63				67	62			M		
		MIN		35	48			50	53	41	41					39	28		33				27	27				25	24					
LEBANON	07	MAX	58	61	74	67	71	74	71	68	48	68	44	52	50	45	48	54	58	62	63	39	50	62	61	54	59	57	52	56	66	62	58.5	
		MIN	35	37	47	49	50	51	54	43	44	29	23	23	36	36	24	24	27	28	37	23	22	23	18	18	21	26	21	20	23	24		
NORA 4 SSE	07	MAX	56	57	69	63	63	65	66	64	40	47	41	49	44	39	41	48	55	57	54	34	44	58	45	48	54	59	49	54	58	61	52.7	
		MIN	37	47	54	55	56	57	52	38	38	33	24	28	39	34	33	35	28	28	32	24	24	36	23	23	32	31	35	44	46			
PULASKI 2 E	07	MAX	60	53	70	73	56	67	68	60	42	51	45		48	46	46	51	56	55	59	39	49	60	49	52	56	58	50	57	61	63	55.2	
		MIN	32	36	45	47	46	48	51	40	39	38	19		25	32	28	36	26	35	37	27	24	28	18	22	23	37	26	24	30	27		
RADFORD 3 N	07	MAX	58	56	72	75	59	66	71	57	56	49	41	45	48	39	48	50	57	59	43	59	50	60	49	50	58	60	50	55	62	62	55.5	
		MIN	36	34	43	43	47	48	51	40	39	39	22	27	33	34	29	31	31	32	28	27	24	26	19	20	25	28	33	24	22	26		
RICHLANDS	07	MAX	59	60	74	58	67	73	73	67		50	50	54	51	45	51	45	57	53	64	38	52	62	47	53	61	59	50	58	66	64	57.3	
		MIN	34	36	45	47	48	48	43	43	25	23	23	37	38	24	24	27	27	37	25	23	28	18	18	22	25	20	20	24	24			
SALTVILLE 1N	07	MAX	60	60	74	67	65	74	64	66	49	55	48	51	47	46	55	52	60	63	62	42	51	62	51	55	61	57	53	58	67	63	57.9	
		MIN	31	36	43	45	48	53	53	47	44	31	26	26	34	28	25	25	25	25	35	23	23	23	19	19	22	27	20	20	22	23		
STAFFORDSVILLE 3 ENE	07	MAX	58	51	71	74	58	63	71	56	43	50	42	41	46	47	47	48	57	53	61	39	49	60	46	48	57	59	50	53	61	63	54.1	
		MIN	32	34	43	42	47	47	48	41	40	38	22	23	28	37	28	33	29	29	37	27	22	23	17	17	20	25	29	24	23	24		
WISE 1SE	09	MAX	58	58	69	61	65	67	69	61	42	52	44	53	46	40	46	53	57	63	57	35	49	59	59	57	58	60	50	57	63	62	55.7	
		MIN	37	49	55	54	54	59	53	38	39	33	23	32	37	35	28	38	29	34	32	21	28	35	20	21	39	28	26	36	39	36		
WYTHEVILLE	07	MAX	58	58	72	69	57	67	66	62	42	50	45	42	45	45	47	49	56	56	61	39	48	59	47	53	57	55	49	57	63	62	54.5	
		MIN	35	36	45	46	48	48	49	40	39	36	21	22	29	31	30	31	28	27	37	24	25	26	18	18	24	35	31	28	28	31		

VIRGINIA  
201711

## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>VIRGINIA</b>																																
	<b>TIDEWATER 01</b>																															
DISPUTANTA	SNOWFALL																															
EMPORIA 1 WNW	SNOWFALL																															
FREDERICKSBURG SEWAGE	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																															
HOLLAND 1 E	SNOWFALL																															
HOPEWELL	SNOWFALL			-			-	-	-	-			-									-	-	-	-	-	-					
	SN ON GND			-			-	-	-	-			-									-	-	-	-	-	-					
NORFOLK INTL AP	SNOWFALL																															
	SN ON GND																															
NORFOLK S	SNOWFALL																															
NORTH	SNOWFALL																															
	SN ON GND																															
PAINTER 2W	SNOWFALL																															
STONY CREEK 2 N	SNOWFALL																															
SUFFOLK LAKE KILBY	SNOWFALL																															
	SN ON GND																															
WAKEFIELD 1NW	SNOWFALL																															
	SN ON GND																															
WALKERTON 2 NW	SNOWFALL																															
WALLACETON LK DRUMMOND	SNOWFALL																															
WALLOPS ISLAND NASA TEST FACIL	SNOWFALL																															
	SN ON GND																															
WARSAW 2 NW	SNOWFALL																															
WEST POINT 2 NW	SNOWFALL																															
	SN ON GND																															
WILLIAMSBURG 2 N	SNOWFALL																															
<b>CENTRAL MOUNTAIN 05</b>																																
MILLGAP	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																															
MTN GROVE	SNOWFALL																															
	SN ON GND																															
MUSTOE 1 SW	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																															
NEW CASTLE	SNOWFALL																															
	SN ON GND																															
ROANOKE 8 N	SNOWFALL																															
	SN ON GND																															

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)

VIRGINIA  
201711

## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ROANOKE INTL AP	SNOWFALL																																
	SN ON GND																																
STAUNTON WTP	SNOWFALL																																
	SN ON GND																																
	WTR EQUIV																																
WAYNESBORO WTP	SNOWFALL																																
	SN ON GND																																
	WTR EQUIV																																
WILLIAMSVILLE 2 S	SNOWFALL																																
	SN ON GND																																
<b>SOUTHWESTERN MOUNTAIN 06</b>																																	
BLACKSBURG NWSO	SNOWFALL																																
	SN ON GND																																
BURKES GARDEN	SNOWFALL																																
	SN ON GND																																
CHRISTIANSBURG	SNOWFALL																																
	SN ON GND																																
CLINTWOOD 1 W	SNOWFALL																																
	SN ON GND																																
COPPER HILL	SNOWFALL																																
	SN ON GND																																
ELK CREEK 4SSW	SNOWFALL																																
	SN ON GND																																
GALAX WTP	SNOWFALL																																
	SN ON GND																																
GRUNDY	SNOWFALL																																
	SN ON GND																																
JOHN FLANNAGAN LAKE	SNOWFALL																																
	SN ON GND																																
LEBANON	SNOWFALL																																
	SN ON GND																																
NORA 4 SSE	SNOWFALL																																
	SN ON GND																																
PULASKI 2 E	SNOWFALL																																
	SN ON GND																																
RADFORD 3 N	SNOWFALL																																
	SN ON GND																																
RICHLANDS	SNOWFALL																																
	SN ON GND																																
SALTVILLE 1N	SNOWFALL																																
	SN ON GND																																

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)

VIRGINIA  
201711

## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
STAFFORDSVILLE 3 ENE	SNOWFALL																															
	SN ON GND																															
WILLIS	SNOWFALL																															
	SN ON GND																															
WISE 1SE	SNOWFALL																															
	SN ON GND																															
WYTHEVILLE	SNOWFALL																															
	SN ON GND																															

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)



VIRGINIA  
201711

## PAN EVAPORATION AND WIND

STATION		DAY OF MONTH																														TOTAL OR AVERAGE
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
VIRGINIA EASTERN PIEDMONT 02 JOHN H KERR DAM	WIND	11	10	11	50	9	36	46	40	20	37	28	9	14	30	16	23	9	83	56	12	42	16	12	4	19	12	5	4	19	4	687 M M M
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Evaporation: Is measured in hundreths of inches.

Wind: Is measured in miles.

Max and Min: The maximum and minimum temperatures (Fahrenheit) of the water in the evaporation pan.

# STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES			
							LOCAL STD TIME			
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)
VIRGINIA										
ABINGDON 3S	0021	06	WASHINGTON	36 40	81 58W	1925	06	06		H
ALBERTA 5N	0079	02	BRUNSWICK	36 56	77 54W	376		08		H
ALTAVISTA	0166	03	CAMPBELL	37 7	79 17W	529		07		CH
AMELIA COURTHOUSE 1	0187	02	AMELIA	37 21	77 59W	345	08	08		H
APPOMATTOX	0243	03	APPOMATTOX	37 20	78 50W	850	07	07		H
ASHLAND	0327	02	HANOVER	37 45	77 29W	220	18	18		H
BEDFORD	0551	03	BEDFORD	37 20	79 30W	894		07		H
BIG STONE GAP	0735	06	WISE	36 51	82 48W	1466	08	08		H
BLACKSBURG NWSO	0766	06	MONTGOMERY	37 12	80 25W	2103	07	07		CH
BREMO BLUFF	0993	02	FLUVANNA	37 43	78 17W	225	07	07		CH
BROOKNEAL	1082	03	CAMPBELL	37 4	78 57W	408	07	07		H
BUCKINGHAM	1136	02	BUCKINGHAM	37 30	78 32W	580		07		H
BUENA VISTA	1159	05	ROCKBRIDGE	37 44	79 22W	840		07		H
BURKES GARDEN	1209	06	TAZEWELL	37 5	81 20W	3068	07	07		H
CAMP PICKETT	1322	02	NOTTOWAY	37 2	77 57W	330	08	08		CH
CHARLOTTESVILLE 2W	1593	03	ALBEMARLE	38 2	78 31W	866	08	08		H
CHASE CITY	1606	02	MECKLENBURG	36 47	78 29W	510	17	17		H
CHATHAM	1614	03	PITTSYLVANIA	36 49	79 25W	651	07	07		CH
CHRISTIANSBURG	1692	06	MONTGOMERY	37 8	80 24W	2100	07	07		H
CLARKSVILLE	1746	02	MECKLENBURG	36 37	78 33W	330	07	07		H
CLINTWOOD 1 W	1825	06	DICKENSON	37 9	82 29W	1780	07	07		H
CONCORD 4 SSW	1955	03	CAMPBELL	37 17	78 58W	815		07		H
COPPER HILL	1999	06	FLOYD	37 5	80 8W	2857	07	07		H
CORBIN	2009	02	CAROLINE	38 12	77 22W	220	09	09		H
COVINGTON FLTR PLT	2044	05	ALLEGHANY	37 49	79 59W	1244	07	07		CH
CROZIER	2142	02	GOOCHLAND	37 40	77 53W	350	07	07		H
DALE ENTERPRISE	2208	05	ROCKINGHAM	38 27	78 56W	1358	07	07		CH
DANVILLE RGNL AP	2250	03	PITTSYLVANIA	36 34	79 20W	571	24	24		CH
DISPUTANTA	2400	01	PRINCE GEORGE	37 7	77 12W	130	07	07		H
ELK CREEK 4SSW	2730	06	GRAYSON	36 40	81 12W	3439	07	07		H
EMPORIA 1 WNW	2790	01	GREENSVILLE	36 42	77 34W	100	08	08		H
FARMVILLE 2 N	2941	02	CUMBERLAND	37 20	78 23W	450	07	07		CH
FREDERICKSBURG SEWAGE	3204	01	FREDERICKSBURG	38 17	77 27W	15	07	07		H
FREE UNION	3213	03	ALBEMARLE	38 5	78 35W	590	07	07		H
FRONT ROYAL	3229	04	WARREN	38 54	78 11W	930	06	06		CH
GALAX WTP	3272	06	CARROLL	36 39	80 55W	2341	07	07		CH
GATHRIGHT DAM	3310	05	ALLEGHANY	37 57	79 57W	1770	07	07		CH
GLASGOW 1 SE	3375	05	ROCKBRIDGE	37 37	79 26W	737		07		H
GRUNDY	3640	06	BUCHANAN	37 17	82 5W	1170	07	07		H
HOLCOMB ROCK	4039	03	BEDFORD	37 33	79 24W	900		07		H
HOLLAND 1 E	4044	01	SUFFOLK	36 41	76 46W	80	08	08		H
HOPEWELL	4101	01	PRINCE GEORGE	37 18	77 17W	40	16	16		H
HOT SPRINGS	4128	05	BATH	37 60	79 50W	2244	07	07		H
HUDDLESTON 4 SW	4148	03	BEDFORD	37 8	79 32W	897		07		H
JOHN FLANNAGAN LAKE	4410	06	DICKENSON	37 14	82 21W	1460	07	07		H
JOHN H KERR DAM	4414	02	MECKLENBURG	36 36	78 18W	250	08	08	08	CH
KEYSVILLE 2 S	4568	02	CHARLOTTE	37 1	78 29W	625	07	07		H
LEBANON	4777	06	RUSSELL	36 54	82 2W	1912	07	07		H
LEXINGTON	4876	05	ROCKBRIDGE	37 47	79 26W	1097	07	07		H
LOUISA	5050	02	LOUISA	38 3	78 0W	420	18	18		H
LURAY 5 E	5096	04	PAGE	38 40	78 22W	1400	08	08		H
LYNCHBURG INTL AP R	5120	03	CAMPBELL	37 19	79 12W	940	24	24		HJ
MANASSAS	5204	04	MANASSAS	38 44	77 30W	245	07	07		H
MARTINSVILLE FLTR PLT	5300	03	HENRY	36 42	79 52W	760	07	07		H
MEADOWS OF DAN 5 SW	5453	03	PATRICK	36 40	80 27W	2225	07	07		H
MILLGAP	5595	05	HIGHLAND	38 18	79 43W	2421	06	06		CH
MONTEBELLO FISH CULTURAL STN	5690	03	NELSON	37 51	79 8W	2667	07	07		CH
MONTICELLO	5700	03	ALBEMARLE	38 1	78 27W	758	07	07		H
MT WX 3	5853	04	CLARKE	39 4	77 54W	1550	07	07		H
MTN GROVE	5756	05	BATH	38 6	79 53W	1775		07		H
MUSTOE 1 SW	5880	05	HIGHLAND	38 19	79 40W	2367	24	24		CH
NEW CASTLE	6012	05	CRAIG	37 31	80 6W	1258		07		H
NORA 4 SSE	6125	06	DICKENSON	37 1	82 19W	2650	07	07		H
NORFOLK INTL AP R	6139	01	NORFOLK (CITY)	36 54	76 12W	30	24	24		HJ
NORFOLK S	6147	01	NORFOLK (CITY)	36 52	76 14W	10	24	24		H

# STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES			
							LOCAL STD TIME			
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)
NORTH	6161	01	MATHEWS	37 26	76 26W	10	07	07		H
PAINTER 2W	6475	01	ACCOMACK	37 35	75 49W	30	16	16		CH
PALMYRA 3S	6491	02	FLUVANNA	37 49	78 16W	410	06	06		H
PEDLAR DAM	6593	03	AMHERST	37 40	79 17W	1024		07		CH
PETERSBURG	6656	02	PETERSBURG	37 14	77 24W	19	07	07		H
PIEDMONT RSCH STN	6712	04	ORANGE	38 14	78 7W	520	08	08		CH
PULASKI 2 E	6955	06	PULASKI	37 3	80 47W	1850	07	07		CH
PURCELLVILLE	4909	04	LOUDOUN	39 9	77 43W	510	08	08		H
RADFORD 3 N	6999	06	PULASKI	37 12	80 35W	1800	07	07		H
RICHLANDS	7174	06	TAZEWELL	37 6	81 48W	1910	07	07		H
RICHMOND INTL AP R	7201	02	HENRICO	37 30	77 19W	164	24	24		HJ
ROANOKE 8 N	7278	05	ROANOKE	37 22	79 58W	1157	07	07		H
ROANOKE INTL AP R	7285	05	ROANOKE	37 19	79 58W	1175	24	24		HJ
ROCKY MT	7338	03	FRANKLIN	36 59	79 54W	1315	07	07		CH
S BOSTON	7925	03	HALIFAX	36 42	78 53W	329	07	07		H
SALTVILLE 1N	7506	06	SMYTH	36 53	81 46W	1733	07	07		H
SOMERSET	7904	04	ORANGE	38 15	78 16W	510	08	08		H
SPERRYVILLE	7985	04	RAPPAHANNOCK	38 39	78 14W	750	06	06		H
STAFFORDSVILLE 3 ENE	8022	06	GILES	37 16	80 43W	1950	07	07		CH
STAUNTON WTP	8062	05	AUGUSTA	38 10	79 5W	169	08	08		CH
STERLING (RCS)	8084	04	LOUDOUN	38 59	77 29W	288	07	07		H
STONY CREEK 2 N	8129	01	SUSSEX	36 58	77 24W	105	08	08		H
STUART	8170	03	PATRICK	36 38	80 15W	1375	07	07		H
SUFFOLK LAKE KILBY	8192	01	SUFFOLK	36 44	76 36W	22	24	24		H
VIENNA	8737	04	FAIRFAX	38 54	77 17W	418	07	07		H
WAKEFIELD 1NW	8800	01	SUSSEX	36 59	77 0W	113	24	24		CH
WALKERTON 2 NW	8829	01	KING AND QUEEN	37 45	77 2W	50	18	18		H
WALLACETON LK DRUMMOND	8837	01	CHESAPEAKE	36 36	76 26W	20	08	08		H
WALLOPS ISLAND NASA TEST FACIL R	8849	01	ACCOMACK	37 56	75 28W	46	24	24		HJ
WARSAW 2 NW	8894	01	RICHMOND	37 59	76 47W	140	18	18		H
WASHINGTON DULLES INTL AP R	8903	04	LOUDOUN	38 56	77 27W	290	24	24		HJ
WASHINGTON REAGAN NATL AP R	8906	04	ARLINGTON	38 51	77 2W	10	24	24		HJ
WAYNESBORO WTP	8941	05	WAYNESBORO	38 5	78 53W	1270	07	07		H
WEST POINT 2 NW	9025	01	KING WILLIAM	37 34	76 48W	20	17	17		H
WILLIAMSBURG 2 N	9151	01	YORK	37 18	76 42W	70	24	24		CH
WILLIAMSVILLE 2 S	9159	05	BATH	38 11	79 35W	1640		07		CH
WILLIS	9169	06	FLOYD	36 55	80 30W	2810		07		CH
WINCHESTER	9181	04	FREDERICK	39 11	78 9W	720	07	07		H
WINCHESTER 7 SE	9186	04	FREDERICK	39 11	78 7W	680	08	08		H
WINTERPOCK 4 W	9213	02	CHESTERFIELD	37 19	77 39W	300		07		H
WISE 1SE	9215	06	WISE	36 58	82 33W	2564	09	09		CH
WOODSTOCK 2 NE	9263	04	SHENANDOAH	38 54	78 28W	675	07	07		H
WOOLWINE	9272	03	PATRICK	36 47	80 17W	1500		07		H
WYTHEVILLE	9301	06	WYTHE	36 58	81 5W	2458	07	07		H

# REFERENCE NOTES

**STATION NAMES:** Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

**DIVISIONS:** Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record temperature and/or precipitation. Station Precipitation totals flagged with an 'F' or 'M' are excluded from the Divisional Average calculations of precipitation. Stations with monthly Temperature averages flagged with an 'F' or 'M' are included in the Divisional Average if there are no more than 9 flagged or missing daily values in the month, else they are excluded from the divisional average for temperature.

**NORMALS:** The average value of the meteorological element over a time period. Effective 1 January 2012, the averaging period for station departures is 1981 to 2010. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

The January 2011 through December 2015 publications incorrectly state the computation of divisional departures. Climate Division departures have been, and continue to be, computed from 1971-2000 Normals, not 1981-2010 as stated. Station departures are accurately described as departures from 1981-2010.

**MONTHLY DEGREE DAY TOTALS:** One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is below (above) 65 degrees Fahrenheit.

**PRECIPITATION:** Values shown in hundredths of inches are water equivalent totals, i.e., total of liquid and melted frozen precipitation. In the "Monthly Summarized Data" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The number of days with .10, .50, 1.00 or more refers to water equivalents.

**PRECIPITATION QUALITY CONTROL:** The NCEI quality control process may flag precipitation data that are spatially inconsistent, exceed climatological limits, or are inconsistent with prevailing weather patterns.

**TEMPERATURE:** Original temperature values are given in the "Daily Temperature" table. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

**WIND:** (As shown in the "Evaporation and Wind" table) the total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

## SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.  
G Observations appear in the "Soil Temperatures" table.  
H Observations appear in the "Snowfall and Snow on the Ground" table.  
J Station also published as a Local Climatological Data publication.  
VAR Observation time varies.  
SR / SS Observation time near sunrise / Observation time near sunset, respectively.

## SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK Entries in the "Monthly Summarized Data" table indicate no record.

BLANK Entries in the "Daily Precipitation" and "Snowfall and Snow on the Ground" tables indicate zero.

BLANK Entries in the "Daily Temperature" table indicate a missing record

- No record. Data not recorded or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

\* Rain gage not read. Precipitation is included in the amount following the asterisks.

Time distribution may not be known. A \* preceding the monthly total indicates precipitation amount is being carried forward to next month's total, and may include amounts from the previous month(s).

a As a subscript, indicates accumulated total.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last

reading. (Hawaii stations)

B Divisional Departure from normals are computed using 1971-2000 normals.

E Normalized HDD/CDD Calculation. E is appended to the HDD/CDD Calculation when 1-9 individual daily TMAX and/or TMIN values are missing and a Normalized HDD/CDD Calculation is provided. M appears alone if 10 or more daily values are missing.

F Monthly calculation flagged value. F is appended to average and/or total values computed which exclude one or more daily data values that have been flagged by the GHCN-Daily Dataset

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

N Indicates snow fall or Snowdepth totals are computed with one or more missing days.

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

**SEASONAL TABLES:** Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary."

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Centers for Environmental Information. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Centers For Environmental Information. The data are also available digitally.

Effective with the January 2011 Data-Month, COOP Observer Names are no longer included in the Monthly and Annual Climatological Data Publications. This information is not published to ensure the privacy of personal information pursuant to Section 208 of the E-Government Act of 2002 (44 USC 3601).

As of the 2011 Data-Year, Station and Climate Division Maps are no longer being included in the CD Publications. NCEI's Products Branch provides updated Station Maps for various data networks via the Historical Observing Metadata Repository: <http://www.ncdc.noaa.gov/homr>.

The GHCN-Daily Quality Control Flags shown below are displayed as superscripts with the data. For more information on Global Historical Climatology Network - Daily and flags, see: <http://www.ncdc.noaa.gov/oa/climate/ghcn-daily/> and Comprehensive Automated Quality Assurance of Daily Surface Observations. Durre, Imke, Matthew J. Menne, Byron E. Gleason, Tamara G. Houston, Russell S. Vose, 2010: J. Appl. Meteor. Climatol., 49, 16151633. doi: 10.1175/2010JAMC2375.1

Blank = Passed All checks

D = failed duplicate check

G = failed gap check

I = failed internal consistency check

K = failed streak/frequent-value check

L = failed check on length of multiday period

M = failed megaconsistency check

N = failed naught check

O = failed climatological outlier check

R = failed lagged range check

S = failed spatial consistency check

T = failed temporal consistency check

W = temperature too warm for snow

X = failed bounds check

Z = flagged as a result of an official Datzilla investigation

Beginning with the January 2013 CD Publication, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperatures are not rounded until after the monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

The climate division temperature and precipitation values in this publication are based on simple averages from the current set of NWS-Designated Open and Published COOP and First Order Sites within each division. These values differ from those found in NCEI's nClimDiv product. Beginning in February 2014, the nClimDiv product is used by NCEI's Monitoring Branch and in its monthly climate reports. For more details on nClimDiv, please go to <http://www.ncdc.noaa.gov/monitoring-references/maps/us-climate-divisions.php>.

Effective January 2016, Alaska's Climate Divisions are updated to reflect the 13 climate divisional boundaries established by University of Alaska-Fairbanks, NWS, NCEI, Oregon State University, and University of Nebraska-Lincoln. For more details regarding the updated Alaska Climate Divisions, see: <http://journals.ametsoc.org/doi/pdf/10.1175/JAMC-D-11-0168.1> (Bienek et al., 2012).

**These and other publications are available from the National Centers for Environmental Information**

### **Hourly Precipitation Data**

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. HPD includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

### **Climatological Data**

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some Stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

### **Storm Data**

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

### **Monthly Climatic Data for the World**

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

### **Local Climatological Data**

LCD publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains 3 hourly weather observations for that month and a hourly summary of precipitation. Annual LCD publications contain a summary of the past calendar year as well as historical averages and extremes.

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