



CLIMATOLOGICAL DATA

VIRGINIA

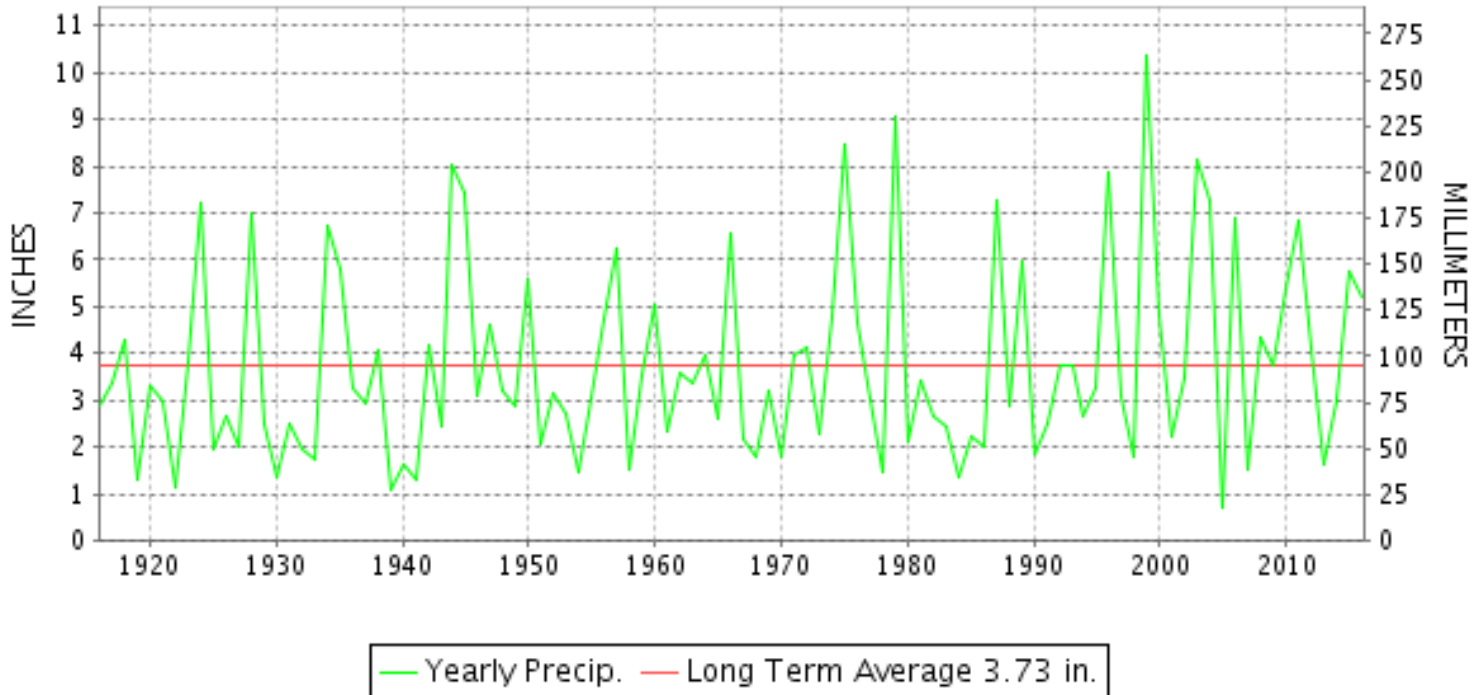
SEPTEMBER 2016

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SEPTEMBER PRECIPITATION BY YEAR



TEMPERATURE AND PRECIPITATION EXTREMES

VIRGINIA

HIGHEST TEMPERATURE	100	SEPTEMBER 10	BREMO BLUFF
LOWEST TEMPERATURE	33	SEPTEMBER 29	MILLGAP
GREATEST TOTAL PRECIPITATION	17.01		NORFOLK SOUTH
LEAST TOTAL PRECIPITATION	0.73		JOHN FLANNAGAN LAKE
GREATEST 1 DAY PRECIPITATION	7.36	SEPTEMBER 29	WALLOPS ISLAND NASA TEST FACIL

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Asheville, North Carolina

VIRGINIA
201609

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	82.0	65.9	74.0	3.4	94	09	58	05	0	279	5	0	0	0	11.19	7.06	4.74	28	0.0	0		10	7	3
WINTERPOCK 4 W															7.03		2.87	29	M			9	4	2
--DIVISIONAL DATA-----> WESTERN PIEDMONT 03			74.1	5.6B										6.09	2.06B									
ALTAVISTA														5.69		2.15	20	0.0	0			6	4	2
APPOMATTOX	83.8	64.1	74.0	6.4	97	10	57	06+	0	276	9	0	0	0	3.39	-0.91	1.94	20	0.0	0		5	2	1
BEDFORD 4 NW														4.87		1.68	29	0.0	0			4	4	3
BROOKNEAL	84.1	64.4	74.3	10.9	96	09	55	05	0	286	7	0	0	0	2.67	-1.21	2.09	20	0.0	0		4	1	1
CHARLOTTESVILLE 2W	82.8	64.6	73.7	4.9	97	10	57	26	5	272	7	0	0	0	2.67	-2.23	0.74	29	0.0	0		6	3	0
CHATHAM	80.4	61.9	71.2	5.1	89	15+	53	06	0	192	0	0	0	0	3.13	-1.32	1.30	20	0.0	0		5	2	1
CONCORD 4 SSW														4.08		1.84	20	0.0	0			5	2	2
DANVILLE RGNL AP	84.8	65.0	74.9	5.0	95	09	55	05	0	304	8	0	0	0	2.91	-1.08	1.15	28	0.0	0		6	2	1
FREE UNION	80.1	61.2	70.7		91	15+	54	13+	6	182	4	0	0	0	2.69		0.73	01	0.0	0		8	1	0
HOLCOMB ROCK														7.80		2.91	29	0.0	0			6	5	2
HUDDLESTON 4 SW														4.42		1.60	20	0.0	0			7	3	1
LYNCHBURG INTL AP	82.5	63.0	72.8	5.8	94	08	55	05	0	240	7	0	0	0	3.38	-0.50	1.53	19	0.0	0		5	3	1
MARTINSVILLE FLTR PLT	83.7M	61.2	72.4M	5.8	94	10	54	07+	0	230E	7	0	0	0	3.52	-1.04	1.34	30	0.0	0		5	2	1
MEADOWS OF DAN 5 SW	80.5	60.5	70.5		89	11	52	13+	2	175	0	0	0	0	4.15		0.78	30	0.0	0		8	5	0
MONTEBELLO FISH CULTURAL STN	79.0M	57.0M	68.0M		93	10	48	05	23E	120E	5	0	0	0	M 4.21		1.62	30	M			4	3	2
MONTICELLO	M	M	M								0	0	0	0	M				M					
PEDLAR DAM														3.47		1.45	29	0.0	0			5	3	1
ROCKY MT	83.3M	61.4	72.4M	6.0	93	10+	55	06+	0	230E	7	0	0	0	1.89	-2.70	0.82	01	0.0	0		5	1	0
SOUTH BOSTON	85.6	65.0	75.3	6.9	98	10	55	06+	0	318	10	0	0	0	3.76	-0.22	1.86	20	0.0	0		4	2	1
STUART	83.9M	62.8M	73.4M	5.3	94	09	56	07+	0	253E	7	0	0	0	1.34	-3.30	0.47	29	0.0	0		5	0	0
WOOLWINE														2.99		0.73	29	0.0	0			8	2	0
--DIVISIONAL DATA-----> NORTHERN 04			72.6	5.0B										3.62	-0.76B									
FRONT ROYAL	80.9M	58.8	69.8M	3.2	93	10	40	22	20E	173E	5	0	0	0	6.74	2.24	2.71	29	0.0	0		4	3	3
LINCOLN	82.7M	61.6M	72.1M	6.5	96	10	50	26+	10E	232E	8	0	0	0	A 3.73		0.30	20	0.0	0		3	0	0
LURAY 5 E	81.3	59.6	70.5	4.0	93	11+	52	12+	6	172	4	0	0	0	6.28	1.75	3.02	30	0.0	0		6	2	2
MANASSAS	83.0M	64.7M	73.8M	5.2	95	11+	57	26	1E	274E	7	0	0	0	4.57		1.65	29	0.0	0		7	4	1
MT WEATHER	77.7	61.1	69.4	3.8	90	10	53	26	25	164	1	0	0	0	6.74	2.22	2.78	29	0.0	0		7	4	2
PIEDMONT RSCH STN	82.4	64.1	73.3	5.3	95	10	57	26	3	258	7	0	0	0	3.22	-0.81	1.07	20	0.0	0		6	3	1
SOMERSET	83.4	62.9	73.1	5.8	98	10	53	12+	4	253	8	0	0	0	A 4.01	-0.23	0.65	20	0.0	0		6	3	0
SPERRYVILLE	82.7M	61.5M	72.1M	5.4	96	10+	55	13+	5E	225E	8	0	0	0	M 4.94	-0.03	1.86	29	0.0	0		6	2	2
STERLING (RCS)	83.7	63.0	73.4	6.6	99	11	53	26+	3	261	10	0	0	0	3.40	-0.60	2.12	29	0.0	0		5	1	1
VIENNA	79.4M	61.2	70.3M	4.2	93	09	51	26+	11E	177E	4	0	0	0	4.35	0.17	1.80	29	0.0	0		8	2	1
WASHINGTON DULLES INTL AP	82.7	63.5	73.1	5.2	98	09	54	25+	6	255	8	0	0	0	2.55	-1.37	0.93	29	0.0	0		6	2	0

VIRGINIA
201609

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										
WASHINGTON REAGAN NATL AP	83.4	68.6	76.0	5.0	98	08	59	25	1	338	7	0	0	0	2.50	-1.22	1.02	29	0.0	0		6	1	1
WINCHESTER	81.7	61.9	71.8	5.7	93	11+	52	25	12	225	7	0	0	0	8.01	4.27	4.71	29	0.0	0		7	2	2
WINCHESTER 7 SE	83.4M	58.4M	70.9M	5.8	96	08	49	24	10E	195E	7	0	0	0	M 3.88	-0.03	3.23	28	0.0	0		2	1	1
WOODSTOCK 2 NE	82.9	58.7	70.8	6.0	94	11	49	14	4	186	7	0	0	0	9.85	5.97	3.64	30+	0.0	0		6	3	3
--DIVISIONAL DATA-----> CENTRAL MOUNTAIN 05			72.0	6.0B											5.07	1.00B								
BUENA VISTA															3.80		1.14	27	0.0	0		5	4	2
COVINGTON FLTR PLT	85.2M	57.5M	71.4M	5.1	95	09	45	29+	7E	205E	9	0	0	0	6.57	3.33	3.72	30	0.0	0		5	3	2
DALE ENTERPRISE	82.0	59.1	70.6	6.0	94	11	51	13+	3	180	5	0	0	0	2.47	-1.07	1.18	29	0.0	0		5	1	1
GATHRIGHT DAM	79.5	57.4	68.4	4.4	87	10+	44	29+	18	127	0	0	0	0	5.07	1.70	2.87	30	0.0	0		6	3	1
GLASGOW 1 SE															7.29		2.88	30	0.0	0		5	4	2
HOT SPRINGS	80.3	56.5	68.4	5.7	89	10+	43	29+	19	129	0	0	0	0	6.14	2.49	3.45	30	0.0	0		5	4	2
LEXINGTON	84.9	59.6	72.2	5.5	95	15+	52	06+	0	224	9	0	0	0	3.77	0.25	1.41	30	0.0	0		5	4	1
MILLGAP	79.1	48.8	64.0	4.4	88	10	33	29	68	47	0	0	0	0	4.77	1.18	2.61	30	0.0	0		3	3	2
MTN GROVE															5.54		4.60	30	0.0	0		3	2	1
MUSTOE 1 SW	76.8	51.7	64.3	4.3	87	23	36	28	57	41	0	0	0	0	5.32	1.66	2.50	30	0.0	0		6	3	2
NEW CASTLE															4.93		1.78	30	0.0	0		6	4	2
ROANOKE 8 N	83.6M	62.4	73.0M	5.0	94	11	56	12	0	250E	8	0	0	0	3.91	-0.23	1.10	29	0.0	0		6	4	1
ROANOKE INTL AP	83.2	63.9	73.6	5.5	94	14	57	03	0	264	6	0	0	0	4.75	0.86	1.19	28	0.0	0		7	4	1
STAUNTON WATER TRMTMT PLT	81.4	60.4	70.9	5.7	92	15+	53	28	7	191	5	0	0	0	3.79	0.00	1.48	30	0.0	0		4	4	1
WAYNESBORO WTP	81.6	60.1	70.9	6.0	93	10+	52	12	2	185	6	0	0	0	6.31	1.61	2.56	29	0.0	0		6	3	3
--DIVISIONAL DATA-----> SOUTHWESTERN MOUNTAIN 06			69.8	4.7B											4.96	1.37B								
ABINGDON 3S	83.8	57.5	70.7	5.1	89	14+	50	30+	4	183	0	0	0	0	3.20	-0.15	1.95	19	0.0	0		4	2	1
BIG STONE GAP	83.4	57.9	70.6	3.4	88	16+	47	29+	11	187	0	0	0	0	2.59	-1.29	1.84	19	0.0	0		4	1	1
BLACKSBURG NWSO	80.8	56.8	68.8	5.7	88	11+	48	29+	15	137	0	0	0	0	6.95	3.85	2.80	30	0.0	0		7	4	3
BURKES GARDEN	76.6	50.0	63.3	3.7	83	15+	39	29	79	34	0	0	0	0	2.52	-0.79	0.67	02	0.0	0		5	2	0
CHRISTIANSBURG	79.0	58.1	68.6	4.2	88	09	51	29+	13	127	0	0	0	0	7.35	3.87	2.75	30	0.0	0		7	6	3
CLINTWOOD 1 W	80.6	54.4	67.5	4.1	87	01	42	29+	26	108	0	0	0	0	2.80	-0.48	2.08	19	0.0	0		4	2	1
COPPER HILL	75.6M	58.7M	67.2M		85	10+	50	15	22E	94E	0	0	0	0	FM 3.27		1.25	27	0.0	0		5	2	1
GALAX WTP	79.5	56.5	68.0	5.6	86	10+	51	07+	8	107	0	0	0	0	2.90		1.46	27	0.0	0		7	1	1
GRUNDY	82.5	58.0	70.3	4.7	90	09	45	28	15	180	1	0	0	0	2.37	-0.77	1.51	19	0.0	0		3	2	1
JOHN FLANNAGAN LAKE	M	M	M		95	08	48	29+	15E	245E	9	0	0	0	MA 0.73		0.42	30	0.0	0		1	0	0
LAFAYETTE 1 NE															4.58		1.52	27	0.0	0		6	3	2
LEBANON	83.6	54.9	69.3	4.5	89	15+	45	28	11	146	0	0	0	0	2.48	-0.61	1.70	19	0.0	0		2	2	1
NORA 4 SSE	79.2	61.6	70.4	5.2	86	08	50	30	18	187	0	0	0	0	2.05	-1.26	1.57	19	0.0	0		4	1	1
N FK LAKE	M	M	M		88	15+	46	30+	18E	155E	0	0	0	0	A 1.84		0.21	27	M	0		2	0	0

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										
PULASKI 2 E	79.9	57.1	68.5	4.4	86	11+	50	04+	13	126	0	0	0	0	2.10	-0.96	0.51	30	0.0	0		6	1	0
RADFORD 3 N	80.6	56.0	68.3	5.0	88	11+	46	28	14	119	0	0	0	0	5.03	2.02	1.78	27	0.0	0		7	4	2
RICHLANDS	83.0M	54.3M	68.7M	4.3	88	18+	43	29+	14E	128E	0	0	0	0	M 2.52	-0.61	1.51	30	0.0	0		2	2	1
SALTVILLE 1N	84.7	56.3	70.5	5.0	90	14+	49	29+	5	179	3	0	0	0	1.50	-1.78	1.16	19	0.0	0		3	1	1
STAFFORDSVILLE 3 ENE	80.1	56.0	68.0	4.3	89	09	46	28	22	120	0	0	0	0	6.04	2.95	3.04	27	0.0	0		7	3	2
WILLIS														3.63		1.50	30	0.0	0		6	2	1	
WISE 1SE	80.9	57.7	69.3	5.1	87	16+	45	28	19	156	0	0	0	0	2.11	-1.49	1.72	19	0.0	0		3	1	1
WYTHEVILLE	81.5	56.6	69.1	6.5	88	14+	49	29	14	142	0	0	0	0	3.00	-0.19	1.15	01	0.0	0		7	3	1
--DIVISIONAL DATA----->			68.7	5.1B											3.42	-0.05B								

VIRGINIA
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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	
VIRGINIA																																	
TIDEWATER 01																																	
DISPUTANTA	4.61			0.70	0.19							0.56							0.03	0.56	0.59	0.39	0.49							0.33	0.46	0.31	
EMPORIA 1 WNW	6.11			1.38	0.05							0.04							0.05	0.49	0.50	2.05	0.50			0.06				0.54	0.11	0.02	
FREDERICKSBURG SEWAGE	M 8.27	0.60	0.03									0.93							0.09	0.98		0.08						0.35	1.47	3.50	0.24		
HOLLAND 1 E	9.94	0.37	3.52	3.00				0.75	0.54			0.26					0.03	0.04	0.67	0.14	0.16	0.14	0.09							0.11	0.12		
HOPEWELL	9.35			0.80		T		0.64	0.24										0.77	1.25	0.72	0.12	0.03			0.03		0.40	0.03	4.17	0.15		
NORFOLK INTL AP	13.54	0.25	0.27	2.41	T			T	0.31		T					T			3.04	2.38	3.93	0.55		T	0.01					0.39			
NORFOLK SOUTH	17.01	0.57	0.26	3.51	T			0.02	0.21									T	4.22	2.33	4.79	0.62						T		0.48			
NORTH	8.43			0.15	0.29							0.87										0.22								0.89	1.13		
PAINTER 2W	9.09	0.02		0.83															0.70	4.51	2.41	0.41							0.05	0.08	0.08		
STONY CREEK 2 N	7.21		0.88					0.25											1.54	1.28	2.00		0.02			0.50	0.25	0.25	0.21	0.03			
SUFFOLK LAKE KILBY	14.22	1.13	0.22	2.65				0.75	0.88			0.21							0.03	1.18	2.21	4.47	0.26						0.06	0.17	T		
WAKEFIELD 1NW	8.23		0.38	0.53	T			0.36				0.05							0.02	0.65	1.04	1.76	1.97			0.03	T	0.10	0.63	0.06	0.65		
WALKERTON 2 NW	7.48			0.66															0.73	0.02	0.22							0.43	1.91	2.65	0.86		
WALLACETON LK DRUMMOND	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WALLOPS ISLAND NASA TEST FACIL	11.90	0.01		0.67	T			0.06											1.21	1.32	0.54	0.01			T		0.03	0.67	T	7.36	0.02		
WARSAW 2 NW	5.33	0.02		0.38								0.30							2.38	0.07	0.71	0.10	0.02				0.40	0.33	0.05	0.57			
WEST POINT 2 NW	5.32			0.58	T							0.03							0.51	0.25	0.41	0.03					0.46	0.08	2.77	0.20			
WILLIAMSBURG 2 N	7.26	0.02	0.18	0.27								0.04							2.65	1.46	0.88	0.70			0.12		0.18	0.16	0.22	0.38			
EASTERN PIEDMONT 02																																	
ALBERTA 5N	6.49	0.25		0.61	0.02							0.09								0.73	2.48	0.38	0.61	0.19				0.02	0.25	0.84	0.02		
AMELIA COURTHOUSE 1	M 4.19			0.23	0.07							0.36							-	1.16	1.12	0.04	0.27	0.12		0.03	0.34	0.10	0.30	0.05			
ASHLAND	8.02	0.55		0.17				0.42	0.16										1.79	T	0.19	0.01					0.11	1.88	2.43	0.31			
BREMO BLUFF	5.44	0.48	0.02						0.12										0.06	3.14		0.23					0.36	0.06	0.90	0.07			
BUCKINGHAM	3.47	0.01	0.02									0.01				T			0.02	2.38		0.43				0.07	0.37	0.09	0.05	0.02			
CAMP PICKETT	M 5.52			0.51	0.08							1.50							1.22	0.85	-	0.26	0.03				0.05	0.34	0.65	0.03			
CHASE CITY	7.59			0.24	0.04														2.10	2.16	0.03	0.62	0.15				0.09	0.48	1.65	0.03			
CLARKSVILLE	7.95		0.20	0.40															3.30	1.20		0.85	0.10				0.10	0.20	1.50	0.10			
CORBIN	6.61	0.18				0.02	0.22	0.60										0.32	1.00	0.32	0.05							0.70	0.70	2.29	0.21		
CROZIER	5.21	0.12			0.09				0.77												3.12		0.50			0.04		0.16	0.08	0.28	0.05		
FARMVILLE 2 N	2.14			0.02															T	1.33	T	T	0.22		0.01	T	0.25	0.02	0.38	1.17			
JOHN H KERR DAM	6.52			0.52															0.57	1.08	0.24	2.46	0.08				0.02	0.38	1.17				
KEYSVILLE 2 S	4.55																		0.03	3.73	0.07	0.06	0.06				0.03	0.02	0.53	0.02			
LOUISA	3.77	0.30	0.31									1.26							0.77			0.03						0.42	0.05	0.44	0.19		
PALMYRA 3S	3.08	0.03	0.10																	2.15		0.08			0.05		0.28		0.34	0.05			
PETERSBURG	8.45		0.65	0.16				0.47											0.47	0.64	0.61	0.17	0.15			0.09	0.48	2.50	0.36	1.70			
RICHMOND INTL AP	11.19	T	0.02	0.67	T			0.92	0.11										0.01	1.64	0.02	0.54	0.03			0.20	0.24	4.74	0.77	1.28			
WINTERPOCK 4 W	7.03			0.70	0.04				0.30											1.38	0.68	0.23	0.08	0.09		0.09	0.36	0.10	2.87	0.11			
WESTERN PIEDMONT 03																																	
ALTAVISTA	5.69	0.81	0.30													0.02											0.02	0.25	0.65		1.40		
APPOMATTOX	3.39	T	T																	0.02	1.94		0.27				0.83	0.11	0.05	0.17			

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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 4 NW	4.87	0.06	0.06																1.13	0.04							0.04	1.00		1.68	0.86	
BROOKNEAL	2.67	0.02	0.04																0.05	2.09	0.01	0.10				0.01	0.11	0.06	0.11	0.07		
CHARLOTTESVILLE 2W	2.67	0.08	0.13		T	T		0.03								T			0.11	0.57						0.01	0.70	0.09	0.74	0.21		
CHATHAM	3.13	0.70	0.03																0.08	1.30		0.05	0.20				0.03	0.21	0.45	0.08		
CONCORD 4 SSW	4.08	0.06																	0.04	1.84		0.25	0.02		T		1.28	0.40	0.03	0.16		
DANVILLE RGNL AP	2.91	0.15		T															0.72	T	0.04	0.21	0.01				0.14	0.45	1.15	0.01	0.03	
FREE UNION	2.69	0.73	0.18					0.05											0.17	0.41					0.01	0.04	0.28	0.17	0.22	0.43		
HOLCOMB ROCK	7.80	0.95	T								0.33					T			0.58	0.09					T	0.02	0.78	T	2.91	2.14		
HUDDLESTON 4 SW	4.42	0.46	0.76																0.03	1.60		0.05					0.03	0.36	0.11	0.37	0.65	
LYNCHBURG INTL AP	3.38	T																	1.53		0.05	T					0.54	0.19	0.07	0.10	0.90	
MARTINSVILLE FLTR PLT	3.52	0.34	0.08																0.42	0.02			0.05				0.07	0.08	0.92	0.20	1.34	
MEADOWS OF DAN 5 SW	4.15	0.20	0.25														0.02		0.52	0.67							0.07	0.69	0.30	0.65	0.78	
MONTEBELLO FISH CULTURAL STN	M 4.21		0.06			-	-	-	-	-	-	-	-	-	-	0.02			0.44	0.02	-	-	-		0.02	0.02	0.71		1.30	1.62		
MONTICELLO	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PEDLAR DAM	3.47										T					T			0.43	0.13							0.03	0.87		1.45	0.56	
ROCKY MT	1.89	0.82	0.23		0.02														0.04			0.05					0.09	0.20	0.02	0.22	0.20	
SOUTH BOSTON	3.76		0.07	0.01															0.04	1.86	0.04	0.36	0.06				0.06	0.46	0.76	0.04		
STUART	1.34	0.05	0.25																0.01								0.10	0.31		0.47	0.15	
WOOLWINE	2.99	0.19	0.06								0.24					0.09			0.59	0.17				T			0.07	0.16	0.39	0.73	0.30	
NORTHERN 04																																
FRONT ROYAL	6.74		0.09					0.01											0.03	1.00		0.01					0.23		2.71	2.66		
LINCOLN	A 3.73	0.20																	0.30				0.01				0.12		*	*	3.11 _a	
LURAY 5 E	6.28		0.05															T	0.45	0.33							0.22		2.10	3.02		
MANASSAS	4.57		0.20																0.50	0.45							0.27	0.05	1.65	0.95		
MT WEATHER	6.74	T	0.10					0.06	0.63	0.09						T			0.66	0.44							0.22	0.05	2.78	1.71		
PIEDMONT RSCH STN	3.22		0.08						0.76										T	1.07			T			T	0.63	0.21	0.14	0.33		
SOMERSET	A 4.01	1.20	0.13						0.06										0.03	0.65			T			T	0.40	0.43	0.55	0.56		
SPERRYVILLE	M 4.94	0.03	0.03						0.08		0.14						-	0.04	0.13	0.40							0.38	0.03	1.86	1.82		
STERLING (RCS)	3.40	0.07	0.40																T	0.25								0.21	0.01	2.12	0.34	
VIENNA	4.35	0.43	0.65						0.41										0.11	0.33								0.26		1.80	0.36	
WASHINGTON DULLES INTL AP	2.55	0.17						T										T	0.23								0.03	0.27	0.82	0.93	0.10	
WASHINGTON REAGAN NATL AP	2.50	0.03						0.02											0.46								0.12	0.43	0.31	1.02	0.11	
WINCHESTER	8.01	0.12	0.02						0.03		0.10								0.03	0.29							0.18	0.20	4.71	2.33		
WINCHESTER 7 SE	M 3.88	0.02		-				0.07											0.40							0.08	-	3.23	-	-	-	
WOODSTOCK 2 NE	9.85		0.01						0.23										1.75									0.26	3.64	0.32	3.64	
CENTRAL MOUNTAIN 05																																
BUENA VISTA	3.80																		0.52	0.28								1.14		1.13	0.73	
COVINGTON FLTR PLT	6.57		0.05																0.20	0.18								0.90		1.52	3.72	
DALE ENTERPRISE	2.47		0.05							0.02									0.30	0.42								0.33		1.18	0.15	
GATHRIGHT DAM	5.07		0.10																0.39	0.32								0.83		0.56	2.87	
GLASGOW 1 SE	7.29	0.07	0.01														T		0.73	0.17					0.02	0.02	0.78		2.61	2.88		
HOT SPRINGS	6.14		0.10																0.54	0.09								0.96		1.00	3.45	

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LEXINGTON	3.77		0.03																	0.92	0.21					0.02	0.02	0.65		0.51	1.41	
MILLGAP	4.77	0.02	0.08																	0.04	0.03							1.08	0.91	2.61		
MTN GROVE	5.54																											0.54	0.40	4.60		
MUSTOE 1 SW	5.32	0.13														0.04		T	0.11						T	0.55		0.35	1.64	2.50		
NEW CASTLE	4.93		0.10																	0.24	0.92					T	0.73	1.16	1.78			
ROANOKE 8 N	3.91	0.28	0.30													0.02			0.72								0.05	0.90	1.10	0.54		
ROANOKE INTL AP	4.75	0.33														T		T	0.83								0.40	0.44	1.19	0.64	0.92	
STAUNTON WATER TRMTMT PLT	3.79	0.06	0.04			T										T			0.70	T					0.01	0.03	0.82	0.04	0.61	1.48		
WAYNESBORO WTP	6.31	0.13	0.10																0.05	1.40					T		0.42		2.56	1.65		
SOUTHWESTERN MOUNTAIN 06																																
ABINGDON 3S	3.20											0.07									1.95	0.15						0.20	0.03		0.80	
BIG STONE GAP	2.59											0.24									1.84		0.01					0.39			0.11	
BLACKSBURG NWSO	6.95	0.35	0.10												0.05	T			0.52	0.31					T	0.01	1.78	1.03	2.80			
BURKES GARDEN	2.52		0.67	0.02								0.07				T			0.47	0.22							0.44	0.03		0.60		
CHRISTIANSBURG	7.35	0.80	0.15												0.01				1.40	0.59							0.51	1.14	2.75			
CLINTWOOD 1 W	2.80	T										0.10				T			2.08								0.12			0.50		
COPPER HILL	FM 3.27	0.67	0.43	0.02												0.02	-	-	-	-	-	-	3.79 ^s		0.03	0.02	1.25	0.41	0.42			
GALAX WTP	2.90	0.11									0.04					0.32	0.01		0.31	0.05						0.03	1.46	0.15	0.13	0.29		
GRUNDY	2.37											0.19						0.01	1.51								0.02			0.64		
JOHN FLANNAGAN LAKE	MA 0.73			-	-	-					*	*	0.20 _a					-	-	-	0.02				-	-	0.09			0.42		
LAFAYETTE 1 NE	4.58	0.40	0.09																0.33	0.29							1.52	1.00	0.95			
LEBANON	2.48																	0.02	1.70				0.02				0.01	0.07		0.66		
NORA 4 SSE	2.05	T	T															T	1.57								0.11			0.17		
N FK LAKE	A 1.84		*	*	*	*	0.00 _a					*	*	0.10 _a		0.04		*	*	*	1.35 _a	T			*	*	*	0.00 _a	0.21	0.02	0.12	
PULASKI 2 E	2.10	0.03	0.35													0.02			0.35	0.14							0.44	0.02	0.24	0.51		
RADFORD 3 N	5.03	0.65	0.21													0.06			0.28	0.15							1.78	1.16	0.74			
RICHLANDS	M 2.52		0.01				0.04					0.02							0.89	-							0.05			1.51		
SALTVILLE 1N	1.50	0.07																	1.16	0.01							0.11			0.15		
STAFFORDSVILLE 3 ENE	6.04	1.18	0.17	0.01									T					T	0.94	0.12					T		3.04	0.01	0.20	0.37		
WILLIS	3.63	0.06	0.27																0.65	0.32							0.39		0.44	1.50		
WISE 1SE	2.11											0.20							1.72								0.11			0.05		
WYTHEVILLE	3.00	1.15	0.17													0.02			0.15	0.50							0.28		0.17	0.56		

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			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 MAX MIN	69 95 67	65 93 63	62 77 60	62 79 59	55 85 51	61 90 51	67 95 56	70 96 64	69 98 68	71 100 67	73 97 67	59 89 58	63 92 53	67 99 61	66 97 63	63 92 62	62 89 63	67 92 63	68 95 67	67 80 64	68 91 60	66 80 60	60 95 60	61 91 60	62 75 60	61 91 60	65 73 59	65 80 61		63 80 58	63 80 61
CAMP PICKETT	08	MAX MIN	90 67	85 67	78 63	73 60	80 55	84 56	90 59	89 66	92 69	94 69	90 72	88 62	85 62	88 63	94 66	76 63	82 61	86 62	88 69	75 69	72 69	75 68	78 67	84 64	89 64	73 63	71 63	75 66	82 65	77 65	75 65	82 65	77 65	82.8 64.5
CHASE CITY	17	MAX MIN	90 68	88 69	77 64	76 57	80 56	85 60	90 60	91 66	93 67	94 72	90 62	88 62	87 63	88 64	93 65	79 66	82 61	85 64	87 70	73 69	75 70	76 70	80 67	85 64	89 66	73 65	71 65	76 67	81 65	78 65	83.3 65.2			
CLARKSVILLE	07	MAX MIN	91 71	93 70	76 65	78 60	82 57	87 58	93 63	93 64	95 70	96 72	96 72	92 66	88 66	90 67	85 66	85 65	86 66	87 71	74 70	75 70	75 70	82 69	87 65	93 65	73 66	73 66	77 67	84 64	78 65	85.2 66.4				
CORBIN	09	MAX MIN																					82	87	79	69	69	72	71	71					M M	
CROZIER	07	MAX MIN	92 69	78 64	75 62	72 61	77 54	84 56	91 60	91 66	93 70	95 69	93 71	83 58	84 58	89 66	92 66	72 63	81 62	87 66	88 68	70 67	72 65	72 62	78 61	85 63	84 63	72 63	69 63	73 65	78 64	75 63	81.5 63.7			
FARMVILLE 2 N	07	MAX MIN	93 68	81 68	75 66	75 43	82 59	83 59	93 63	90 71	95 71	97 71	97 71	89 62	87 66	90 66	95 68	88 69	87 69	88 69	90 68	79 67	77 67	82 67	89 64	88 64	74 64	78 65	78 67	80 66	80 68	85.0 65.7				
JOHN H KERR DAM	08	MAX MIN	95 73	94 72	77 65	78 60	83 57	88 60	94 68	93 74	98 74	97 76	93 77	94 66	90 67	92 68	96 70	84 68	85 63	92 65	93 73	79 70	76 71	74 70	81 66	88 67	93 67	76 67	74 67	78 69	87 67	79 67	86.7 68.2			
KEYSVILLE 2 S	07	MAX MIN	91 66	85 67	77 65	75 58	84 56	86 56	90 59	93 68	96 69	94 71	88 71	87 62	90 63	94 64	74 66	82 60	86 61	88 69	72 68	77 68	75 68	79 68	87 66	89 64	72 64	70 64	77 64	80 64	78 64	83.7 64.6				
LOUISA	18	MAX MIN	89 68	80 60	76 61	80 50	84 55	90 65	92 68	94 69	92 66	86 70	82 52	87 61	91 65	88 62	74 63	82 64	84 66	82 69	75 67	78 65	81 62	86 59	83 59	77 59	77 61	68 59	75 61	72 64	73 65	69 61	82.0 62.7			
PALMYRA 3S	06	MAX MIN	88 66	76 63	73 62	75 62	78 52	82 52	88 55	90 68	93 66	94 69	93 69	85 54	82 56	87 62	75 62	77 65	82 64	86 68	72 67	75 65	77 65	79 61	84 59	86 62	68 62	68 62	74 65	70 65	74 63	80.8 62.4				
PETERSBURG	08	MAX MIN	87 71	80 65	72 63	80 58	83 58	92 57	89 70	92 73	96 73	89 72	87 64	86 64	88 66	94 66	77 66	82 63	88 63	90 71	80 70	73 71	74 71	80 65	85 64	87 64	72 64	73 64	73 64	83 66	76 67	75 69	82.8 66.2			
RICHMOND INTL AP	24	MAX MIN	87 71	81 67	72 64	81 61	83 58	91 64	88 69	92 71	94 71	91 72	86 67	85 62	87 63	92 67	75 66	82 63	86 61	88 67	77 70	73 69	74 70	80 68	86 65	86 64	74 63	71 63	73 66	78 65	75 65	73 66	82.0 65.9			
WESTERN PIEDMONT 03 APPOMATTOX	07	MAX MIN	93 68	84 65	74 65	77 59	82 57	86 57	92 59	95 67	96 68	97 69	95 69	86 62	85 62	95 63	93 65	74 64	82 64	85 66	88 68	72 67	80 67	72 66	80 62	87 64	91 65	73 61	69 62	78 65	75 64	78 64	83.8 64.1			
BROOKNEAL	07	MAX MIN	90 68	86 66	76 67	80 59	83 55	87 56	91 59	93 67	96 68	95 68	94 69	87 60	86 61	89 63	94 65	76 67	82 65	85 63	88 64	75 68	80 69	78 68	81 64	84 61	87 61	75 65	73 66	78 67	75 66	79 67	84.1 64.4			
CHARLOTTESVILLE 2W	08	MAX MIN	91 68	81 63	76 61	74 62	83 59	85 60	90 71	94 72	96 74	97 71	96 73	88 60	84 62	89 65	93 67	76 64	78 66	82 66	88 65	72 65	78 65	81 64	81 65	89 63	88 57	64 60	69 63	79 63	65 60	77 60	82.8 64.6			
CHATHAM	07	MAX MIN	89 65	83 67	72 66	77 56	79 54	81 53	85 55	86 63	89 63	88 64	89 64	84 59	82 58	83 62	89 63	76 64	77 65	80 59	84 59	77 65	78 65	76 66	76 66	82 59	86 59	70 64	71 64	76 64	72 63	76 64	80.4 61.9			
DANVILLE RGNL AP	24	MAX MIN	88 70	74 69	82 63	83 58	86 55	90 58	93 66	94 67	95 67	93 67	89 69	87 63	90 63	93 64	83 65	84 63	83 62	89 69	81 68	82 69	77 69	80 65	86 62	92 68	74 65	75 68	80 65	81 64	79 64	82 68	84.8 65.0			
FREE UNION	08	MAX MIN	87 66	76 61	74 60	72 54	80 55	83 60	87 68	87 67	90 68	91 67	91 68	85 54	83 61	86 64	91 64	73 64	72 64	80 62	84 63	71 61	78 60	79 60	82 60	87 60	85 62	63 57	68 60	75 61	66 63	76 60	80.1 61.2			
LYNCHBURG INTL AP	24	MAX MIN	83 66	74 65	80 64	82 57	85 55	90 56	93 66	93 66	93 65	93 66	87 66	85 62	87 63	93 65	75 64	78 64	82 61	87 66	78 64	81 64	77 63	80 64	87 61	90 59	72 63	69 62	78 64	77 64	78 64	67 62	82.5 63.0			

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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	
GALAX WTP	07	MAX	84	80	68	74	77	81	84	85	86	86	85	79	77	81	85	82	73	76	78	82	80	76	73	83	85	73	84	80	75	72	79.5	
		MIN	61	63	51	51	51	51	51	56	58	59	59	52	53	56	56	63	64	55	55	55	58	58	57	53	53	56	64	57	58	61	56.5	
GRUNDY	07	MAX	89	81	74	77	84	85	88	88	90	87	89	77	86	89	89	87	86	88	69	78	79	82	83	82	86	85	81	75	79	62	82.5	
		MIN	67	58	54	54	55	56	58	62	64	63	65	52	52	58	56	55	61	62	64	62	59	58	58	61	62	62	58	45	46	53	58.0	
JOHN FLANNAGAN LAKE	07	MAX	93	87				91	90	95	91				89	91	94	91				85	87		88		92	81	80	81	62	M		
		MIN	68	59				55	57	62	64			56	55	56	58	57				63	60		59		61	57	48	48	52	M		
LEBANON	07	MAX	88	83	83	83	80	82	85	88	88	89	88	79	86	87	89	88	88	88	80	80	82	84	81	82	86	84	83	86	76	63	83.6	
		MIN	62	56	49	49	51	51	52	58	58	59	61	53	53	57	52	52	62	64	63	63	50	50	54	55	56	56	59	45	46	52	54.9	
NORA 4 SSE	07	MAX	84	79	70	74	81	83	83	86	85	85	82	74	81	82	85	84	82	81	72	76	77	80	80	82	83	84	79	73	72	57	79.2	
		MIN	67	57	55	56	61	63	66	68	69	69	62	59	62	65	64	63	65	65	63	62	61	62	63	64	65	66	52	52	52	50	61.6	
N FK LAKE	08	MAX	88					87	88	88	88				88	86	87	88				87	81	82	84			87	70	75	78	78	M	
		MIN	65					53	56	59	61			53	52	52	56					56	60	56	56			55	57	47	46	46	M	
PULASKI 2 E	07	MAX	85	77	68	75	78	82	85	85	85	86	86	77	80	85	84	81	74	80	73	81	80	80	76	84	85	79	81	77	76	72	79.9	
		MIN	63	57	50	50	52	53	57	63	64	63	63	51	55	55	53	54	65	57	65	59	55	57	55	57	59	65	60	51	52	54	57.1	
RADFORD 3 N	07	MAX	87	79	70	77	80	82	84	86	88	88	88	79	82	85	87	81	74	80	81	81	81	78	77	85	86	78	78	75	73	68	80.6	
		MIN	61	53	53	55	56	52	54	59	60	61	53	51	54	55	54	56	60	57	59	63	56	57	54	54	58	63	60	46	49	56	56.0	
RICHLANDS	07	MAX	87	80	78	78	82	85	85	87	86	87	87	78	86	88	86	88	86	88			80	81	84	82	85	85	82	81	75	78	73	83.0
		MIN	63	54	56	51	52	52	52	56	60	60	60	52	53	56	52	54	52				59	55	54	54	56	56	57	57	43	43	51	54.3
SALTVILLE 1N	07	MAX	88	82	73	80	84	87	87	89	89	90	90	81	86	90	89	89	87	87	87	87	82	83	85	80	87	85	88	83	77	80	76	84.7
		MIN	64	59	52	52	55	54	54	54	60	61	61	56	56	59	53	53	58	58	58	60	56	56	57	57	57	58	61	49	49	51	56.3	
STAFFORDSVILLE 3 ENE	07	MAX	85	78	68	76	79	83	84	87	89	88	88	76	82	85	87	80	72	79	79	81	80	79	78	83	85	77	78	75	72	69	80.1	
		MIN	64	57	50	50	54	54	54	57	59	62	62	50	50	56	52	53	63	58	58	61	58	57	57	56	57	62	60	46	47	55	56.0	
WISE 1SE	09	MAX	81	72	77	82	84	85	87	86	86	84	85	76	83	85	87	87	85	84	71	78	78	82	81	84	85	85	76	76	75	61	80.9	
		MIN	56	52	54	55	58	65	60	64	61	62	62	53	55	61	56	62	64	65	63	57	55	55	57	58	59	63	54	45	49	50	57.7	
WYTHEVILLE	07	MAX	88	77	68	75	79	83	84	87	88	88	88	79	82	88	86	83	76	81	82	81	82	81	77	85	86	81	83	76	79	72	81.5	
		MIN	62	58	50	50	53	52	57	60	62	62	62	54	54	59	55	55	62	60	59	59	57	56	55	55	57	59	63	50	49	52	56.6	

VIRGINIA
201609

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	
VIRGINIA																																
TIDEWATER 01																																
DISPUTANTA																																
EMPORIA 1 WNW																																
FREDERICKSBURG SEWAGE																																
	SNOWFALL																															
	SNOWFALL																															
	SNOWFALL																															
	SN ON GND																															
	WTR EQUIV																															
HOLLAND 1 E	SNOWFALL																															
HOPEWELL	SNOWFALL																															
	SN ON GND				-																											
NORFOLK INTL AP	SNOWFALL																															
	SN ON GND																															
NORFOLK SOUTH	SNOWFALL																															
NORTH	SNOWFALL																															
	SN ON GND																															
PAINTER 2W	SNOWFALL																															
STONY CREEK 2 N	SNOWFALL																															
	SN ON GND																															
SUFFOLK LAKE KILBY	SNOWFALL																															
	SN ON GND																															
WAKEFIELD 1NW	SNOWFALL																															
	SN ON GND																															
WALKERTON 2 NW	SNOWFALL																															
	SN ON GND																															
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																															

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
201609

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	31	
VIRGINIA EASTERN PIEDMONT 02 JOHN H KERR DAM	WIND	51	52	49	23	14	27	18	16	43	40	51	31	15	40	43	31	14	16	22	37	51	45	10	22	35	25	20	24	34	45	944 4.51 M M	
	EVAP	0.20	0.05	0.06	0.15	0.17	0.25	0.12	0.21	0.23	0.16	0.17	0.19	0.19	0.20	0.16	0.14	0.16	0.16	0.13	0.02	0.08	0.20	0.09	0.15	0.07	0.06	0.00	0.49	0.22	0.03		
	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	22	22				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 4 NW	0561	03	BEDFORD	37 23	79 34W	1228		07				CH
BIG STONE GAP	0735	06	WISE	36 52	82 46W	1464	08	08				H
BLACKSBURG NWSO	0766	06	MONTGOMERY	37 12	80 25W	2103	07	07				H
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 6	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 9W	2690	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	1230	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				H
DANVILLE RGNL AP	2250	03	PITTSYLVANIA	36 34	79 20W	571	24	24				H
DISPUTANTA	2400	01	PRINCE GEORGE	37 7	77 12W	15	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				H
FREDERICKSBURG SEWAGE	3204	01	FREDERICKSBURG	38 17	77 27W	15	07	07				H
FREE UNION	3213	03	ALBEMARLE	38 5	78 35W	590	08	07				H
FRONT ROYAL	3229	04	WARREN	38 54	78 11W	930	06	06				CH
GALAX WTP	3272	06	CARROLL	36 39	80 55W	2360	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	2236	07	07				H
HUDDLESTON 4 SW	4148	03	BEDFORD	37 8	79 32W	898		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
LAFAYETTE 1 NE	4676	06	MONTGOMERY	37 14	80 12W	1320		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
LINCOLN	4909	04	LOUDOUN	39 5	77 42W	500	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				H
MONTICELLO	5700	03	ALBEMARLE	38 1	78 27W	758	07	07				H
MT WEATHER	5851	04	LOUDOUN	39 4	77 53W	1659	07	07				H
MTN GROVE	5756	05	BATH	38 6	79 53W	1775		07				H
MUSTOE 1 SW	5880	05	HIGHLAND	38 20	79 40W	2380	24	24				H
N FK LAKE	6173	06	WISE	37 7	82 38W	1675	08	08				H
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

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)
NORFOLK INTL AP R	6139	01	NORFOLK (CITY)	36 54	76 12W	30	24	24		HJ
NORFOLK SOUTH	6147	01	NORFOLK (CITY)	36 52	76 14W	100	24	24		H
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	15	08	08		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
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	1190	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
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
SOUTH BOSTON	7925	03	HALIFAX	36 42	78 53W	329	07	07		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 WATER TRMTMT PLT	8062	05	AUGUSTA	38 10	79 5W	169	08	08		H
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 16W	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
WASHGTN DULLES INTL AP R	8903	04	LOUDOUN	38 56	77 28W	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
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	N = failed naught check
D = failed duplicate check	O = failed climatological outlier check
G = failed gap check	R = failed lagged range check
I = failed internal consistency check	S = failed spatial consistency check
K = failed streak/frequent-value check	T = failed temporal consistency check
L = failed check on length of multiday period	W = temperature too warm for snow
M = failed megaconsistency check	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

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