

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1963

Volume 73 No. 13



Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

VIRGINIA
1963

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
TIDEWATER 01																										
BACK BAY WILDLIFE RFG	38.2		36.8		53.1		58.4M		63.6		73.5		77.5M		77.3		68.9		62.8		59.2		38.1M		58.6	
BOHANNON 2 SW	36.6		34.2		50.5		58.4		63.8		73.1		76.9		75.9		67.3		61.2		52.3		35.2		56.9	
BOYKINS	38.4		37.2		54.4		59.9		60.3		73.5		77.3		76.7		67.3		60.0		51.6		34.9		57.6	
CAPE HENRY WB CITY	36.5	- 6.1	35.0	- 7.4	52.4	4.5	58.5	1.6	63.1	- 3.0	72.9	- 1.6	77.2	- 0.9	76.9	- 0.6	68.1	- 5.0	61.9	- 1.3	53.7	0.7	37.4	- 6.8	57.8	- 2.2
CHERTON	37.0		34.9		53.3		59.4		63.6		73.9		77.9		77.3		67.6		62.6		54.0M		37.3		58.3	
CHINCOTEAGUE W L REFUGE	34.7		33.1		47.6		54.7		60.9		71.3		76.4		74.0		65.7		60.8M		51.6		34.5M		55.4	
DIAMOND SPRINGS	36.2	- 7.5	34.5	- 9.5	52.7	2.7	59.7	0.6	64.8	- 3.1	72.9	- 2.8	76.8	- 2.2	76.4	- 1.5	67.4	- 3.8	61.5	- 1.7	52.8	- 0.7	36.6	- 8.0	57.7	- 3.3
FORT LEE	34.7		33.9		51.4		58.4		63.4		71.4		75.4		74.7		65.8		58.6		50.5		32.7		53.9	
FREDERICKSBURG 2 S	30.5	- 6.6	28.7	- 9.5	47.6	2.6	56.1	0.5	63.7	- 1.6	71.5	- 1.8	75.5	- 1.7	73.6	- 1.9	65.1	- 4.0	58.6	0.3	47.5	0.2	29.3	- 8.6	54.0	- 2.6
HOG ISL LTL MACHIPONGO	36.0		33.4		47.8		57.6M		61.6		73.0		77.4		77.9		68.8		63.5		54.9		37.0M		57.4	
HOLLAND 1 E	35.4		34.5		52.2		58.5		64.4		72.5		76.1		75.8		66.8		59.2		51.8		34.4		56.8	
HOPEWELL	38.2	- 3.3	36.5	- 6.2	54.1	4.8	61.8	2.1	67.2	- 1.3	75.8	- 0.3	78.0	- 1.2	77.5	- 0.3	68.6	- 3.6	61.8	- 0.5	53.9	2.9	35.5	- 6.4	59.1	- 1.0
LANGLEY AIR FORCE BASE	36.4M	- 5.1	36.1	- 5.9	51.4	3.1	58.5	0.8	63.7	- 3.5	72.4	- 3.0	76.8	- 2.2	75.4	- 2.5	66.4	- 6.5	60.2	- 1.9	52.5		35.2		56.7	
NASSAUAUX	33.6		32.5		51.3		57.5		62.9		73.1		77.5		76.2		66.4		59.4M		51.3M		35.2		56.7	
NELSONIA	36.2		34.1M		50.1M		56.6		62.8		71.1M		75.4		74.0		66.0		59.4M		51.3M		35.2		56.7	
NEWPORT NEWS PRESS BLDG	38.5		36.7		53.7		61.3		66.9		76.3		79.6		79.2		69.8		63.8		52.1		37.7M		57.7	
NORFOLK WB AIRPORT	37.1	- 4.1	35.7	- 5.9	53.4	5.4	60.3	2.5	64.5	- 2.9	73.2	- 2.4	77.0	- 1.8	76.7	- 0.8	66.7	- 5.9	60.1	- 0.9	52.0	0.6	35.2	- 7.3	57.7	- 2.0
NORFOLK	40.4	- 2.9	38.9	- 5.1	56.1	6.2	62.7	3.4	66.8	- 1.6	75.3	- 1.0	78.6	- 1.0	78.5	- 0.2	70.0	- 3.7	64.2	0.5	55.2	0.6	39.1	- 5.9	60.5	0.8
PAINTER 2 W	35.4		34.0		50.8		57.2		63.8		72.6		76.6		73.9		65.4		58.8		50.4		33.7M		56.0	
QUANTICO 1 S	32.2	- 4.3	31.1	- 6.4	48.5	4.0	55.7	0.2	64.5	- 0.7	72.8	- 0.7	77.3	0.0	74.3	- 1.4	65.4	- 7.2	60.4	2.1	48.7	1.7	29.9	- 7.5	55.1	- 1.7
STONY CREEK	36.6		35.2		52.5		58.7		65.1		73.0		77.4		76.6		67.3		60.4		51.8		34.7		57.4	
SUFFOLK LAKE KILBY	36.2		35.4		52.3		58.9		64.2		73.0		77.4		76.9		67.3		60.1		51.9		34.3		56.6	
SUNNYBANK	35.0		33.8		50.2		57.5		64.0		73.4		76.9		75.9		67.0		60.1		50.9		33.4		55.2	
TANGIER ISLAND	32.5		31.8		46.9		53.3		61.4		71.8		77.5		75.4		65.6		60.9		50.5		33.4		55.2	
URBANNA	36.6		34.6		52.5		59.1		64.9		72.9		76.9		76.0		67.0M		61.4		51.7M		34.2M		57.3	
WALKERTON	34.6		33.0		50.3M		57.4		63.6		71.8		76.0		74.9		65.3		58.7		50.6		31.4		55.7	
WARSAW 2 N	32.8		31.3		49.9		58.3		65.0		73.3		77.5		76.4		66.8		59.9		52.1		32.6		56.4	
WEST POINT 2 SW	33.5		34.1		52.0		59.0		65.4		72.8		76.2		75.9		66.6		59.2		51.5		32.9		56.8	
WILLIAMSBURG 2 N	36.4		34.9		52.6		59.2		65.1		72.7		76.7		76.0		67.2		60.5		52.5		33.8		57.3	
DIVISION	35.7	- 4.6	34.3	- 6.9	51.4	4.0	58.4	1.2	63.9	- 2.7	73.0	- 1.6	77.0	- 1.1	76.1	- 0.7	67.0	- 4.3	60.8	0.0	52.1	1.6	34.7	- 6.6	57.0	- 1.8
EASTERN PIEDMONT 02																										
ASHLAND 1 SW	34.0M		30.8M		48.7M		57.5M		63.2		70.7		75.3		74.7		65.3		58.4		48.0M		29.9		54.7	
BLACKSTONE FAA AIRPORT	34.9		33.4		51.8		58.9		64.4		72.3		76.0		76.0		66.8		60.8		50.5		32.5		56.5	
CHASE CITY	36.2		35.0		53.0		60.4		65.5		73.7		76.7		76.3		67.2		62.0		51.1		32.9		57.5	
COLUMBIA	31.8	- 5.9	29.8	- 9.0	48.9	3.1	57.7	1.4	63.6	- 2.3	71.6	- 2.3	76.0	- 1.5	74.1	- 1.8	66.0	- 3.4	59.3	1.2	48.2	1.0	30.3	- 8.0	56.8	- 2.3
CORBIN	31.3		29.0		48.2		56.6		62.1		71.0		75.5		73.6		64.9		58.8		48.7		30.2		54.2	
FARMVILLE 2 N	35.1	- 4.3	33.4	- 7.3	51.1	6.1	58.5	1.3	64.7	- 1.2	72.8	- 1.0	75.6	- 1.9	74.3	- 1.6	66.0	- 3.6	59.5	0.8	50.4	2.3	31.6	- 7.7	56.1	- 1.7
JOHN M KERR DAM	33.8		33.2		51.2		59.1		64.9		72.5		76.0		75.4		65.6		57.8		49.1		31.5		55.8	
LAURENCEVILLE	36.4M		33.0M		52.3		58.8		64.1		71.9		76.9		75.9		66.6		59.7		51.2		32.8		56.6	
LOUISA	33.4		31.8		50.7		57.2		64.1		71.8		75.1		74.2		65.8		58.9		49.6		30.1		55.2	
NEW CANTON	34.2	- 4.5	32.2	- 7.5	50.8	4.6	57.6	1.2	63.9	- 1.2	71.0	- 1.4	74.4	- 1.6	73.9	- 0.5	65.3	- 3.1	57.8	0.0	49.6	1.9	30.8	- 8.2	55.1	- 1.7
PARTLOW 3 WNW	35.3		32.7		49.6		55.0M		64.2		70.3		74.9		74.2		65.3		57.2		47.8		28.1		54.5	
POMHART 5 SW	33.7		32.8		50.9		57.0		64.3M		72.4		76.0M		75.4		66.8		58.4		49.5		30.9		56.4	
RICHMOND WB AP	35.9	- 2.8	33.3	- 6.6	50.8	4.1	59.2	2.1	64.0	- 2.5	72.0	- 2.6	76.1	- 2.0	75.7	- 0.8	65.5	- 4.7	58.6	- 0.6	50.1	1.6	32.4	- 7.3	56.1	- 1.9
DIVISION	34.3	- 4.5	32.3	- 7.6	50.6	4.0	58.0	1.1	64.2	- 1.9	71.8	- 2.1	75.7	- 1.7	74.7	- 1.2	65.8	- 3.9	58.9	0.2	49.3	1.4	31.1	- 8.1	55.6	- 2.0
WESTERN PIEDMONT 03																										
APPOMATOX 3 W	31.6		30.6		48.9		58.0		63.0		71.7		74.7		73.4		66.1		59.8		49.1		30.6		54.8	
BEDFORD	34.7		33.8		51.4		59.9M		64.6		72.3M		75.5		74.4		66.0		59.9		48.5M		31.5		56.1	
CHARLOTTE COURT HOUSE	31.9		30.8		49.4		58.4		64.2		71.9		75.5		74.6M		66.6		59.7		48.9		31.3M		55.2	
CHARLOTTESVILLE 2 W	32.3																									

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

VIRGINIA
1963

Table 1-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
SOUTHWESTERN MOUNTAIN OIL																										
BLACKSBURG 2	27.6		27.2		44.6		53.2		59.4		67.0		69.8		68.5		62.0		55.3		44.9M		26.2		50.5	
BRISTOL	31.8		32.3		51.0M		57.8M		44.7		71.3		71.8M		72.6		66.9M		59.1							
BURKES GARDEN	27.7	- 5.5	26.7	- 7.6	44.3M	4.7	51.1	1.4	56.7	- 1.1	63.5	- 1.4	64.9	- 3.0	65.0	- 2.0	58.9	- 2.4	51.1	- 0.3	41.2M	0.6	23.3	-10.3	47.9	- 2.2
CHILHOWIE 1 S	25.6		27.0		44.3		52.6		59.1		67.0		68.0M		68.9		62.9		54.6		43.8		24.5		49.9	
FLOYD 2 NE	30.2		28.4		45.0		52.9M		58.6M		65.7		67.7		67.4M		61.2		52.9M		43.5		27.1M		50.1	
GALAX RADIO WBOB	31.6		29.8		45.8		54.5		59.0M		66.7		68.3M		69.9		62.1		54.8		44.7		28.3		51.3	
GLENN LYN	31.6		30.5		50.4		57.6		63.1		71.0		72.3		72.6		65.8		58.7		47.6		30.1		54.3	
GRUNDY 3 NW	32.1		33.4		52.5		59.7M		64.3		72.8		74.6		74.0		68.2		61.0		49.2M		29.1M		55.9	
MARION EVAP STATION	29.7		28.7		46.6		54.2		59.8		67.0		68.3		68.3		62.6		55.2		44.2		25.5		50.8	
PENNINGTON GAP	27.9	- 8.2	28.4	- 9.2	46.3	2.7	54.7	0.8	61.7	- 1.4	69.2	- 1.3	70.2	- 3.5	70.4	- 2.4	64.2	- 3.1	57.7	1.2	45.6	1.6	26.7	-10.1	51.9	- 2.8
PULASKI	32.3M		30.8		45.2		53.4		59.5		68.2		70.7		70.3		64.1		56.6		45.4		27.8		52.0	
ROCKY KNOB	28.7		26.1		44.9		53.3		58.0M		66.5		69.2M		67.7M		59.2M				45.0		25.8M			
ST PAUL	31.0		31.0		50.1		59.0		63.9		70.8		72.2		72.6		66.4		58.1		44.8		25.6		53.8	
SALTVILLE 1 N	28.8	- 7.8	30.2	- 7.5	47.1		57.0	2.3	62.6	- 1.6	69.9	- 1.9	70.8	- 3.9	71.2	- 2.4	65.6	- 2.3	59.0	2.0	46.2	1.4	27.1	- 9.7	52.9	- 2.4
WISE 1 SE	28.0		27.8		47.9		54.9		59.4		66.5		67.3		67.9		62.3		56.5		44.2		25.0		50.6	
WYTHEVILLE 1 S	31.0	- 5.2	29.8	- 7.3	47.1	4.2	54.4	1.4	60.1	- 1.5	67.8	- 1.1	69.4	- 2.5	69.5	- 1.3	63.6	- 1.4	55.5	0.5	44.5	0.5	26.7	- 9.6	51.6	- 2.0
DIVISION	29.7	- 5.9	29.3	- 7.5	47.1	4.4	55.0	1.8	60.7	- 1.3	68.3	- 1.0	69.6	- 2.7	69.6	- 1.7	63.5	- 2.0	56.4	1.2	45.0	1.3	26.6	- 9.4	51.7	- 1.9

A Special Weather Summary describing unusual weather in 1963 was included each month except the September issue of this publication.

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1963

Table 2

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
TIDEWATER 01																										
BACK BAY WILDLIFE RFG	3.56		E4.04		3.05		1.23		1.78		8.77		4.32		4.51		4.87		.80		4.86		2.99		E44.78	
BOHANNON 2 SW	2.71		E2.86		5.27		.67		5.58		9.42		.55		2.20		5.61		.37		5.34		3.05		E43.63	
BOYKINS	3.48		2.97		3.13		1.62		2.20		4.24		2.95		3.52		3.89		.39		5.18		3.31		36.88	
CAPE HENRY WB CITY	3.02	.04	3.72	.47	3.03	.33	1.58	1.35	2.12	.92	10.74	7.20	1.51	3.49	1.31	4.05	3.42	.53	.87	2.00	3.64	1.04	2.85	.09	38.01	3.83
CHESTER	3.12		3.57		4.40		.55		2.80		6.15		1.61		1.17		3.90		.36		4.57		2.59		34.79	
CHINCOTEAGUE W L REFUGE	E3.80		E3.26		7.59		.57		2.48		4.73		.82		3.34		5.09		.57		4.03		2.55		E38.83	
DIAMOND SPRINGS	3.39	.24	3.83	.38	3.23	.70	1.23	2.14	1.38	2.28	9.02	5.23	2.64	3.55	2.82	3.76	6.02	1.54	.88	2.29	5.37	2.04	.04	42.81	5.73	
DRIVER 4 NE	2.48		3.42		3.59		1.35		1.65		8.52		1.40		3.45		5.69		.70		3.12		2.85		E45.51	
EMPORIA 1 NW	2.59	.57	2.81	.53	3.71	.14	1.09	2.35	2.65	1.37	2.89	1.22	1.99	4.19	4.08	.95	3.34	.67	.07	2.39	3.72	.93	4.63	1.64	33.56	11.53
FORT LEE	1.82		3.03		3.86		.75		3.13		11.24		2.18		3.70		4.42		.36		4.44		2.73		43.66	
FREDERICKSBURG 2 S	1.95	1.25	1.28	1.10	5.63	2.95	.59	2.51	1.44	2.12	5.42	2.08	1.37	3.52	.51	4.59	3.53	.08	.14	3.21	4.21	1.37	1.71	1.09	27.78	13.51
HOG ISL LTL WACHIPONGO	2.67		3.86		5.41		.60		1.91		6.14		1.40		3.45		5.69		.70		3.12		2.85		31.17	
HOLLAND 1 E	3.69		4.29		3.34		1.23		1.60		7.62		3.69		3.39		7.99		.54		4.58		3.00		44.92	
HOPEWELL	2.10	.97	3.37	.61	3.88	.72	.56	2.78	3.54	.43	8.11	3.88	1.75	4.11	3.16	1.94	3.84	.08	.66	2.55	6.79	3.99	.21	40.75	2.93	
LANGLEY AIR FORCE BASE	2.90	.33	3.33	.31	3.42	.00	.85	2.18	2.44	1.04	10.46	7.36	1.41	3.92	3.78	1.35	5.90	1.92	.35	2.52	E4.95	2.16	E2.84	.27	E41.63	.68
NASSANADOX	3.30		3.19		6.03		.63		3.32		7.93		.16		2.64		3.97		.38		6.12		2.92		40.39	
NELSONIA	E4.00		E3.12		7.10		.64		3.76		5.13		E .52		E3.50		4.08		.71		5.40		3.08		E41.04	
NEWPORT NEWS PRESS BLDG	3.52		E3.90		3.83		1.02		2.28		9.72		2.01		2.31		7.58		.52		E5.54		3.28		E45.51	
NORFOLK WB AIRPORT	3.36	.03	3.75	.54	2.98	.47	1.29	1.87	1.55	1.81	9.72	6.11	2.01	3.91	2.40	3.57	6.84	2.62	1.21	1.71	5.31	2.26	2.85	.11	43.27	1.67
NORFOLK	E3.88	.69	E4.45	1.33	3.48	.02	1.26	1.93	1.70	1.64	8.78	5.16	2.41	3.54	1.68	4.11	5.91	1.83	1.09	1.66	5.61	2.64	2.99	.26	E43.24	.99
PAINTER 2 W	3.04		2.08		5.45		.90		4.17		6.03		.57		4.76		5.39		.19		5.87		E2.81		E41.26	
QUANTICO 1 S	E1.98	1.18	E1.53	.83	5.47	2.25	.64	2.44	.58	2.89	6.06	1.33	1.16	3.42	.52	4.39	3.21	.08	.05	2.90	6.01	3.22	1.71	1.09	E27.45	12.42
SWIFTFIELD 3 NE	2.48		3.42		3.59		.79		3.53		6.06		2.28		2.99		5.35		.72		3.93		2.67		37.81	
STONY CREEK	E2.03		E3.70		4.63		.92		2.45		7.66		3.18		1.76		7.94		.48		4.80		3.05		42.97	
SUFFOLK LAKE KILBY	4.11		3.93		3.64		1.11		1.31		7.66		3.18		1.76		7.94		.48		4.80		3.05		42.97	
SUNNYBANK	1.81		1.96		6.75		.53		3.37		7.70		.94		1.36		5.58		.39		5.73		2.18		38.30	
TANGIER ISLAND	E2.30		E2.40		6.04		.00		2.20		4.73		.95		2.85		5.47		.00		4.89		2.04		E35.81	
URBANNA	2.81		1.79		5.92		.86		4.58		8.58		.81		3.88		6.12		.23		6.14		3.04		39.48	
WALKERTON	2.00		2.34		5.94		.52		3.23		6.32		.85		3.67		6.21		.16		6.21		2.71		36.43	
WALLACETON LK DRUMMOND	3.65	.01	3.56	.09	2.88	1.07	1.07	2.69	1.31	2.67	7.18	2.69	2.92	3.81	1.10	4.62	7.14	2.77	.95	2.25	5.29	1.84	3.64	.36	40.69	9.73
WARSAW 2 N	1.81		1.83		6.05		.14		2.59		6.88		.66		1.57		2.52		T		5.98		1.98		32.01	
WEST POINT 2 SW	2.24		2.86		5.38		.84		2.86		7.41		2.44		3.08		2.99		.42		3.52		2.73		40.28	
WILLIAMSBURG 2 N	2.71		2.93		4.25		.66		7.20		10.04		1.27		2.12		4.15		.54		6.02		2.93		44.62	
DIVISION	2.83	.54	3.03	.01	4.74	1.21	.83	2.40	2.81	.80	7.62	4.05	1.69	3.72	2.46	2.91	4.75	.87	.48	2.48	5.32	2.34	2.69	.15	39.25	4.62
EASTERN PIEDMONT 02																										
ASHLAND 1 SW	E1.45		E2.62		4.69		.62		2.06		6.05		.35		1.97		3.03		.29		5.91		2.23		E31.25	
BLACKSTONE FAA AIRPORT	1.70		3.40		3.82		.63		2.06		2.36		1.34		2.14		2.83		.41		5.57		2.09		27.35	
BREMO BLUFF	1.83		2.39		5.50		.69		1.73		1.79		1.38		.76		2.51		.22		6.12		1.80		26.32	
BUCKINGHAM	1.59		2.20		4.78		.90		1.81		1.01		1.81		1.60		3.89		.16		5.49		1.45		28.51	
CHASE CITY	1.51		2.55		4.78		1.48		1.55		2.24		.51		1.33		2.54		.40		5.93		1.93		31.35	
CLARKSVILLE	1.98	1.68	3.19	.13	5.15	1.25	1.52	2.29	.98	2.63	1.66	2.47	.57	4.37	3.62	1.69	2.35	1.50	.49	2.24	6.17	2.91	1.90	1.20	29.58	16.04
COLUMBIA	1.64	1.60	2.16	.48	5.56	2.09	.84	2.65	1.50	2.29	2.27	.94	.99	3.54	2.08	1.49	2.95	.79	.38	2.96	6.58	3.85	1.58	1.26	29.39	11.76
CORBIN	1.70		1.67		5.03		.50		1.74		1.62		1.82		2.21		3.09		.02		6.32		1.77		32.55	
FARMVILLE 2 N	1.40	2.40	2.23	1.02	4.71	.73	.76	2.88	2.42	1.60	1.99	2.32	3.58	.56	1.08	3.61	2.59	1.21	.26	2.70	6.31	3.22	2.50	.68	31.63	13.91
GORDONSVILLE 3 S	2.03		1.42		5.51		1.02		1.10		E4.06		1.02		2.51		3.10		.02		5.63		1.66		E29.08	
JOHN H KERR DAM	2.44		2.89		4.34		1.15		2.18		2.32		2.77		2.09		2.37		.38		5.86		2.56		31.37	
LAWRENCEVILLE	2.79		2.85		5.95		1.65		1.60		3.15		2.95		1.90		3.65		.35		6.35		2.90		36.05	
LOUISA	2.01		2.13		6.60		.96		3.40		3.40		2.09		3.29		2.53		.11		6.80		2.17		33.39	
NEW CANTON	1.83	1.77	2.31	.56	5.60	1.85	.92	2.76	1.51	2.25	1.87	1.39	2.36	2.21	1.06	3.46	2.80	.75	.42	2.46	5.82	2.89	1.85	1.46	28.36	14.33
PALMYRA 1 E	1.74		1.67		6.08		.96		2.45		2.79		1.14		2.14		3.13		.06		5.93		1.			

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1963

Table 2--Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	
MOUNT WEATHER	1.25	1.42	1.44	.89	3.06	.20	1.14	2.17	1.89	2.40	12.06	8.50	1.22	2.61	3.11	1.38	2.70	1.07	T	3.70	9.06	6.17	1.73	.90	38.66	2.07	
PIEDMONT FIELD STATION	1.16		EL.71		5.83		1.19		1.14		2.98		3.00		2.46		3.36				6.25		EL.29		530.37		
RAPIDAN	1.79		1.27		6.06		1.29		1.37		7.52		3.71		3.11		3.76				5.77		1.99		7.82		
RIVERTON	1.34	1.06	2.40	.41	3.82	.96	1.87	2.01	.98	2.89	5.78	2.57	1.33	2.05	1.60	2.16	2.56	.30	.00	3.41	6.78	4.41	2.15	.23	29.61	5.76	
SOMERSET	1.27		1.29		5.44		1.02		1.34		2.49		3.07		1.50		3.28		.05		5.45		EL.65		E27.85		
THE PLAINS 1 E	1.31		1.91		4.63		1.14		1.52		6.91		1.18		3.20		2.93		.06		9.10		1.99		35.88		
VIENNA DUNK LORING	1.68		1.84		4.68		1.15		1.97		10.06		.73		4.58		3.33		.02		8.70		2.10		41.24		
WARRENTON 3 SE	1.61		1.29		5.28		1.06		1.45		4.04		.61		2.65		2.95		.05		5.51		1.97		28.47		
WASHINGTON	.87		1.33		5.09		1.35		1.44		4.23		1.35		2.11		2.79		.00		5.87		1.74		28.17		
WASH DC DULLES WB AP	EL.95		EL.76		4.39		1.17		1.52		8.59		1.25		4.70		3.30		T		7.83		2.26		E38.67		
WASH DC STERLING WB	2.39		1.53		4.82		1.31		1.55		EL.40		1.04		5.24		3.08		T		7.34		2.07		E36.77		
WASHINGTON WB NAT AP	1.86	1.17	1.94	.53	5.43	2.22	.99	2.16	1.06	3.08	6.87	3.66	1.95	2.20	7.21	2.31	3.61	.22	T	3.07	6.70	3.86	1.72	1.06	39.34	1.44	
WAVERTY HILLS	1.81		2.26		5.82		EL.22		1.58		8.85		1.00		6.90		3.46		T		8.01		2.14		E43.05		
WINCHESTER 2 SSW	1.13	1.26	1.82	.30	5.70	2.94	1.30	1.81	2.10	2.00	4.96	1.26	3.00	1.24	2.60	1.56	2.63	.34	T	3.45	6.32	3.73	1.90	.58	33.46	5.01	
WOODSTOCK	1.11	1.15	1.86	.12	5.27	2.41	1.31	1.52	.87	2.94	4.36	.53	1.93	1.87	2.09	2.17	3.51	.68	.14	2.76	4.54	2.41	1.79	.43	28.78	6.69	
DIVISION	1.46	1.35	1.73	.62	5.22	1.85	1.16	2.17	1.52	2.61	5.94	2.27	1.59	2.72	3.75	.81	3.16	.27	.02	3.43	7.13	4.30	1.88	.92	34.56	6.48	
CENTRAL MOUNTAIN OS																											
AUGUSTA SPRINGS 1 NE	.67		.57		.43		.51	3.10	2.85	.86	1.96	1.55	3.91	.17	1.75	2.87	2.46	1.34	.52	2.81	6.52	3.53	1.59	1.62	30.15	13.10	
BALCONY FALLS	1.05	2.37	1.83	1.15	5.20	1.21	.51	3.10	2.85	.86	1.96	1.55	3.91	.17	1.75	2.87	2.46	1.34	.52	2.81	6.52	3.53	1.59	1.62	30.15	13.10	
BUCHANAN	1.33	1.92	1.57	1.36	4.36	.55	.60	2.79	2.64	1.40	2.33	1.99	4.07	.33	1.62	3.05	1.84	1.87	.27	3.15	6.04	2.95	1.28	1.92	27.96	16.24	
BUGNA VISTA	1.40		1.71		6.43		1.30		1.42		3.17		1.03		2.17		1.03		.22		5.25		EL.10		30.10		
CATAMBA SANATORIUM	1.56	1.57	2.08	.82	4.66	1.05	.81	2.57	2.16	1.86	1.70	2.32	1.92	2.64	1.64	2.87	3.23	.45	.18	2.99	3.69	1.10	1.69	1.24	25.32	17.18	
CLIFTON FORGE	1.03	1.96	2.35	.50	6.47	2.55	1.04	2.04	1.80	2.18	1.78	1.93	2.95	.95	1.07	3.30	2.78	.53	.20	2.74	4.79	2.05	1.66	1.29	27.92	12.82	
COOTES STORE	.81	1.77	1.77		5.80	1.19	1.19	.92	3.44	1.51	2.34	3.32	1.51	2.34	3.32	3.32	3.32	.08	.08	4.40	1.75	1.75	1.75		27.33		
COVINGTON	.97	1.98	1.98		5.79	1.69	1.69	1.83	2.38	2.04	1.94	2.70	2.04	1.94	2.70	2.70	2.70	.38	.38	4.16	1.88	1.88	1.88		26.74		
COVINGTON FILT PLANT	.93	1.70	1.70		5.82	1.74	1.74	1.81	2.82	1.50	2.09	2.59	1.50	2.09	2.59	2.59	2.59	.73	.73	3.27	1.53	1.53	1.53		25.53		
CRAIGSVILLE																			.85	.85	5.46	1.81	1.81	1.81		25.53	
DALE ENTERPRISE	.82	1.34	1.35	.60	5.26	2.39	1.29	1.30	1.10	2.90	1.36	2.43	1.29	3.28	1.65	2.66	2.66	.50	.03	2.60	4.06	1.96	1.25	.98	22.10	14.24	
DEERFIELD 1 S	1.37		1.27		5.91		.93		1.85		3.49		1.91		3.14		3.75		.27		5.92		1.40		30.96		
GOSHEN	1.41	1.60	2.65	.19	6.13	2.20	.97	2.15	1.91	1.76	2.70	1.47	3.93	.25	2.56	2.09	2.97	.25	.21	2.73	3.64	.87	3.04	.16	32.12	9.26	
HOT SPRINGS	.96		E2.44		6.47	1.06	1.06		1.71	1.82	1.82		5.17	1.50	3.67			.32	.32	6.55	1.90	1.90	1.90		33.62		
KERRS CREEK 1 WSW																											
LEXINGTON	1.12	1.96	2.09	.66	5.78	2.17	.69	2.34	1.86	1.69	2.35	1.23	2.01	2.17	1.73	2.30	2.75	.64	.30	2.57	5.45	2.79	1.62	1.29	27.75	11.89	
MONTREY	1.16	1.48	1.48		6.76	1.43	1.43	1.76	2.17	1.76	2.17	2.17	1.76	2.17	2.17	2.17	2.17	.34	.34	4.42	2.04	2.04	2.04		29.89		
MOORES CREEK DAM	EL.05	1.36	1.36		5.00	.90	.90	1.86	2.50	1.70	2.20	2.20	1.70	2.20	2.20	2.20	2.20	.66	.66	5.40	1.60	1.60	1.60		E25.97		
NEW CASTLE	1.12	1.41	1.75		5.41	1.80	1.80	2.82	2.00	1.96	2.43	2.43	1.96	2.43	2.43	2.43	2.43	.66	.66	3.60	1.69	1.69	1.69		26.78		
NORTH RIVER DAM	1.27	1.41	2.60	.17	6.10	2.76	1.36	1.65	1.63	2.30	1.89	2.32	2.44	2.58	2.08	2.81	2.55	1.14	.07	2.97	4.88	2.17	1.84	.77	28.91	12.85	
ROANOKE	.87	2.24	2.08	.79	3.69	.05	.79	2.31	1.93	2.17	2.67	1.39	3.67	.68	1.46	3.40	3.97	.29	.41	3.03	4.53	1.81	1.39	1.51	27.75	15.37	
ROANOKE WB AIRPORT	1.10	2.02	1.97	.89	3.89	.36	.87	2.23	1.94	1.85	2.61	1.19	2.68	1.57	1.81	2.82	2.87	.39	.27	2.94	3.80	1.10	1.86	1.12	25.67	15.56	
STAUNTON D AND B INST	.87	1.80	1.60	.51	4.55	1.38	1.04	1.94	1.40	2.34	1.61	2.08	2.11	1.90	2.77	1.05	3.48	.19	.13	2.70	4.58	2.17	1.53	1.17	25.67	11.75	
STUARTS DRAFT	.96		3.01		8.43	1.19	1.19	1.64	1.64		2.20	1.64	4.45	2.69	2.77			.00	.00	5.90	1.93	1.93	1.93		38.93		
TIMBERVILLE	.92	1.26	1.75	.28	5.48	2.52	1.26	1.46	.78	2.98	2.37	1.15	1.02	3.23	2.81	1.23	3.32	.08	.17	2.44	4.89	2.76	1.55	.62	26.32	9.45	
WILLIAMSVILLE 5 N	.85		E3.07		6.85	.69		1.59	2.28	3.42			3.42		3.35	2.08		.52	.52	5.07	1.85	1.85	1.85		E34.69		
DIVISION	1.10	1.80	1.85	.76	5.13	1.64	.92	2.15	1.85	2.01	2.22	1.65	2.64	1.71	2.02	2.42	2.87	.50	.30	2.72	4.59	1.98	1.71	1.13	27.20	13.23	
SOUTHWESTERN MOUNTAIN OS																											
ALLISONIA	.67		1.45		4.73	1.17	1.17	2.39	.82		1.32		1.32		1.25	3.96		T		3.79	1.43				22.98		
BLACKSBURG 2	1.45	1.47	1.47		4.30	1.07	1.07	2.70	1.69		3.04		3.04		2.22	3.79		.12	.12	3.45	1.65				26.95		
BLAND	1.42	1.28	1.28		5.72	.77	.77	1.97	.80		2.05		2.05		3.25	3.10		T		3.70	.89				24.95		
BRISTOL	3.04	2.13	2.13		8.63	1.47	1.47	5.05	4.53		4.37		4.37		4.23	1.61		.00	.00	5.01	1.65				E41.74		
BURKES GARDEN	2.19	1.71	1.83	1.79	7.49	3.08	1.39	2.09	3.47	.47	2.03	2.04	4.1														

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1963

Station	Highest	Date	Lowest	Date	Last spring minimum of								First fall minimum of								Number of days between dates									
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below	28° or below	24° or below	20° or below	16° or below	16° or below	20° or below	24° or below	28° or below	32° or below						
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.											Date	Temp.	Date	Temp.	Date	Temp.
TIDEWATER 01																														
BACK BAY WILDLIFE RFG	94	8-30+	16	2-22+	2-22	16	2-27	20	2-28	23	2-28	23	3-23	32	12-1	32	12-15	24	12-15	24	12-20	19	NONE	296	290	290	253			
BOHANNON 2 SW	94	8-3	12	1-29	2-27	15	2-27	15	2-27	15	3-3	26	3-23	30	11-4	31	12-2	27	12-15	19	12-15	19	12-20	15	296	291	291	274	226	
BOYKINS	98	6-10	5	12-21	2-27	13	2-27	13	3-23	24	3-23	24	5-16	29	10-14	32	10-31	26	11-4	24	12-15	18	12-16	15	292	291	226	222	151	
CAPE HENRY WB CITY	97	7-20+	16	1-24	1-24	16	2-27	20	2-28	24	2-28	24	2-28	24	12-4	31	12-15	27	12-17	22	12-20	20	NONE	296	292	290	279	290		
CHERTON	97	7-1	13	1-29	2-22	14	2-27	18	2-28	23	2-28	23	3-7	32	11-26	29	12-15	23	12-15	23	12-20	19	NONE	296	290	290	264			
CHINCOTEAGUE W L REFUGE	93	7-19+	12	2-22+	2-27	14	2-27	14	2-28	22	3-16	28	3-23	32	11-4	29	12-2	28	12-15	19	12-15	19	12-20	15	296	291	290	261	226	
DIAMOND SPRINGS	96	7-21	15	2-22+	2-23	16	2-28	19	2-28	19	2-28	19	3-3	29	11-26	32	12-5	28	12-15	22	12-20	17	12-21	16	301	295	290	280	268	
FORT LEE	97	8-3	5	1-29	2-27	9	2-27	9	3-23	22	5-2	31	10-31	26	10-31	26	12-2	24	12-15	15	12-15	15	12-15	15	291	291	254	222	182	
FREDERICKSBURG 2 S	98	7-19	3	12-22	2-28	12	3-3	20	3-23	23	3-24	27	5-3	31	9-25	32	10-31	27	11-13	24	12-15	11	12-15	11	290	287	235	221	145	
HOG ISL LTL MACHIPONGO	97	8-5	15	3-4+	3-4	15	3-4	15	3-4	15	3-4	15	3-22	32	12-14	30	12-15	24	12-15	24	NONE	NONE	NONE	NONE	296	290	286	286	267	
HOLLAND 1 E	96	7-28+	7	12-21	2-28	16	2-28	16	2-28	16	3-23	26	4-16	31	10-31	27	10-31	27	12-4	24	12-15	18	12-16	16	291	290	279	222	198	
HOPWELL	97	6-2	10	12-21	2-27	13	2-27	13	2-27	13	3-23	25	3-23	25	10-31	30	11-4	28	12-4	24	12-15	18	12-17	12	293	291	280	226	222	
LANGLEY AIR FORCE BASE	95	5-10	-	NONE	2-27	18	2-27	18	2-27	18	2-28	28	3-23	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NASSAWADOX	97	7-27	8	1-29	2-28	16	2-28	16	2-28	16	3-3	26	3-23	32	11-4	32	11-25	27	12-15	22	12-17	20	NONE	-	292	290	267	226		
NELSONIA	97	7-27	9	1-29	2-27	12	2-28	19	3-3	22	3-4	26	3-24	31	11-13	30	11-26	28	12-15	20	12-15	20	12-17	15	293	290	287	267	234	
NEWPORT NEWS PRESS BLDG	98	5-10	14	2-22	2-22	14	2-27	17	2-27	17	2-28	27	3-6	29	-	-	12-15	21	12-15	21	12-17	20	-	-	-	293	291	290	-	-
NORFOLK WB AIRPORT	97	7-20+	15	2-23	2-23	15	2-27	19	2-28	24	2-28	24	3-3	30	11-4	32	12-4	28	12-15	23	12-20	18	NONE	NONE	296	290	279	246		
NORFOLK	96	5-10	15	2-22	2-22	15	2-27	20	2-27	20	2-28	28	2-28	28	12-5	32	12-15	26	12-19	24	NONE	NONE	NONE	NONE	296	290	290	280		
PAINTER 2 W	95	7-27	9	2-17	2-28	16	2-28	16	3-3	23	3-8	25	5-13	32	11-3	32	11-3	28	12-4	24	12-16	17	12-22	15	297	291	276	240	174	
QUANTICO 1 S	97	6-10+	6	12-31+	2-27	12	2-27	12	3-3	24	3-3	24	4-16	30	10-31	32	11-4	28	12-2	24	12-15	14	12-15	14	291	291	274	246	198	
STONY CREEK	-	-	-	-	2-27	11	2-27	11	3-22	22	4-16	27	5-3	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUFFOLK LAKE KILBY	96	7-27	11	12-21	2-27	15	2-27	15	2-28	24	3-23	28	3-23	28	11-4	31	12-2	28	12-15	20	12-15	20	12-17	15	293	291	290	294	226	
SUNNYBANK	95	8-3+	10	1-24	2-27	15	2-28	19	3-3	24	3-8	27	3-24	30	11-4	30	12-2	27	12-15	19	12-15	19	12-20	14	296	290	287	269	225	
TANGIER ISLAND	92	7-27+	9	1-24	2-27	16	2-27	16	2-28	23	3-3	25	3-25	30	11-29	31	12-14	28	12-15	18	12-15	18	12-19	14	295	291	290	286	251	
URBANNA	96	7-27	8	1-25	2-27	14	2-27	14	2-27	14	3-3	26	3-23	31	11-4	30	12-2	27	12-15	16	12-15	16	12-15	16	291	291	291	274	226	
WALKERTON	97	7-27	1	12-21	2-27	9	3-3	20	3-3	24	3-24	27	5-3	30	10-14	32	10-31	26	11-16	24	12-15	11	12-15	11	291	287	258	221	164	
WARSAW 2 N	97	7-27	5	12-21+	2-27	16	2-27	16	2-27	16	3-15	28	4-8	32	10-31	29	11-4	28	12-15	14	12-15	14	12-15	14	291	291	291	234	206	
WEST POINT 2 SW	96	8-19+	4	12-21+	2-27	12	2-27	12	3-3	22	3-24	28	4-16	30	10-31	27	10-31	27	12-2	23	12-15	14	12-15	14	291	291	274	221	191	
WILLIAMSBURG 2 N	97	5-10	6	12-21	2-27	12	2-27	12	3-3	24	3-8	26	3-24	32	10-31	30	11-26	27	12-2	23	12-15	14	12-15	14	291	291	274	263	221	
EASTERN PIEDMONT 02																														
ASHLAND 1 SW	96	8-10+	2	12-21	2-28	12	3-23	20	3-23	20	3-23	20	4-14	32	10-14	30	10-31	27	11-16	24	11-25	20	12-15	11	290	247	238	222	183	
BLACKSTONE FAA AIRPORT	97	8-3+	6	1-29	2-27	8	2-27	8	3-23	26	4-12	31	4-12	31	10-31	32	12-1	28	12-4	23	12-15	15	12-15	15	291	291	280	253	202	
CHASE CITY	96	6-11	5	2-27+	2-27	5	2-27	5	2-28	23	3-23	26	3-23	26	11-3	32	11-15	28	12-4	24	12-15	16	12-15	16	291	291	279	237	225	
COLUMBIA	98	7-29+	-	1-29	2-28	0	3-3	20	3-23	22	4-16	28	5-3	31	9-25	32	10-31	27	11-4	24	12-2	19	12-15	15	290	274	226	198	145	
CORBIN	96	7-19	1	1-29	2-28	14	2-28	14	3-23	23	4-6	28	5-3	31	9-24	31	11-4	27	12-2	22	12-15	10	12-15	10	290	290	254	212	144	
FARMVILLE 2 N	98	6-10	-	5-27	2-27	5	3-23	20	3-23	20	5-2	25	5-3	32	9-25	32	10-31	26	11-25	22	12-2	17	12-15	12	291	254	247	182	145	
JOHN H KERR DAM	97	7-20	2	2-27	2-28	12	3-23	20	3-23	20	5-2	27	5-2	27	10-11	32	10-31	26	11-25	24	12-15	14	12-15	14	290	290	247	182	162	
LAWRENCEVILLE	99	6-10	2	12-21	2-27	5	3-23	20	3-23	20	4-16	28	5-3	32	10-31	32	10-31	25	11-4	24	12-2	20	12-15	16	291	254	226	198	166	
LOUISA	98	7-28+	1	1-29	2-27	4	3-23	19	3-23	19	3-23	19	4-6	31	9-24	31	11-4	26	11-13	22	12-2	20	12-15	14	291	254	235	226	144	
NEW CANTON	97	8-3	-	8-27	2-27	8	3-23	20	5-2	24	5-2	24	5-3	29	9-24	29	10-31	25	11-4	22	11-25	19	12-15	15	291	247	186	182	144	
PARTLOW 3 WNW	100	7-18	-	2-12-21+	2-18	13	2-18	13	3-23	21	5-3	28	5-3	28	9-24	29	9-25	28	10-31	22	11-4	20	12-2	16	287	259	222	145	144	
POWHATAN 5 SW	99	8-2	0	2-27	2-27	0	3-23	20	3-23	20	5-2	28	5-3	30	9-25	32	10-													

Table 3—Continued

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1963

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.					
STAUNTON D AND B INST	95	7-19	- 6	1-25	2-28	11	2-28	11	3-15	24	5- 2	28	5- 2	28	11- 4	26	11- 4	26	12- 2	22	12- 4	20	12-15	10	290	279	262	186	186
TIMBERVILLE	97	7-18	- 7	1-29	2-27	2	2-27	2	3-23	22	4-16	26	5-24	31	9-24	29	11- 4	24	11- 4	24	12-14	20	12-15	14	291	290	226	202	123
SOUTHWESTERN MOUNTAIN 06																													
BLACKSBURG 2	94	8- 4	-11	1-24	2-28	5	3- 3	20	3-23	24	4-16	25	5- 3	31	9-24	32	10-31	28	11- 4	23	11-25	19	12-15	9	290	267	226	198	144
BRISTOL	99	8- 3	- 0	1-28	2-27	4	2-28	20	3-23	23	3-23	23	5- 2	30	10-30	28	10-30	28	-	-	-	-	-	-	-	-	-	221	181
BURKES GARDEN	86	8- 3	-15	1-24	2-27	2	4-16	18	5- 2	24	5-24	28	5-24	28	9-23	27	9-23	27	10-15	24	10-16	20	11-25	15	271	183	166	122	122
CHILHOWIE 1 S	92	8- 4	-13	2-27+	2-28	12	4-16	19	5- 2	22	5- 3	28	5-24	31	9-25	32	10-16	26	10-31	19	10-31	19	12-15	6	290	198	182	166	124
FLOYD 2 NE	92	8- 3	-10	1-24	2-27	6	3-15	18	3-28	24	5- 3	27	5-24	31	9-23	31	9-24	27	10-15	24	11- 3	13	11- 3	13	249	233	201	144	122
GALAX RADIO WBOB	92	8- 4+	- 7	1-24	2-27	2	3- 3	19	4-16	21	5- 2	27	5-24	32	9-23	32	9-24	28	10-31	23	11-13	18	12-15	7	291	255	198	145	122
GLEN LYN	98	8- 3	- 9	1-24	2-27	5	3-23	20	3-23	20	4-16	27	5- 3	32	10-30	32	10-31	26	11-13	22	12- 2	20	12-15	11	291	254	235	198	180
GRUNDY 3 NW	97	7-30	-12	1-24	2-27	1	2-27	1	3-23	23	3-23	23	5- 2	30	10-30	26	10-30	26	11- 3	22	12-15	8	12-15	8	291	291	225	221	181
MARION EVAP STATION	90	8- 4	-14	1-24	2-28	15	3- 3	20	3-23	21	5- 2	28	5- 3	32	10-16	29	10-31	22	11-16	20	12-15	5	290	258	222	182	166		
PENNINGTON GAP	91	6-10	-15	1-24	2-28	6	2-28	6	3-24	23	9- 2	26	5- 2	26	9-25	32	10-30	26	11- 3	21	12- 4	19	12-15	8	290	279	224	181	146
PULASKI	93	8- 3	- 3	1-24	2-27	6	2-27	6	3-15	23	4-16	27	5- 3	32	10-31	29	11- 4	26	11-13	24	12-14	16	12-14	16	290	290	243	202	181
ROCKY KNOB	-	-	-10	1-24	2-28	6	2-28	6	3-24	22	5- 1	27	5- 2	31	-	-	-	-	-	-	12- 4	20	12-15	4	290	279	-	-	-
ST PAUL	94	8- 3	-12	1-23	2-27	6	3- 3	19	3-23	22	5- 2	28	5- 2	28	9-23	32	10-16	28	10-30	21	10-31	20	11- 3	11	249	242	221	167	144
SALTVILLE 1 N	94	8- 4	-10	1-25+	2-28	2	2-28	2	3-16	23	4-16	28	5- 2	31	10-31	26	10-31	26	11-16	24	12-15	11	12-15	11	290	290	245	198	182
WISE 1 SE	90	8- 3+	-23	1-24	2-27	10	3-23	19	5- 2	24	5- 2	24	5-24	32	10-30	25	10-30	25	10-31	24	11- 3	18	12- 4	14	280	225	182	181	159
WYTHEVILLE 1 S	91	8- 4+	-10	1-24	2-28	14	4-16	20	4-16	20	5- 2	26	5-24	30	9-23	30	9-24	26	10-16	24	11- 4	20	11-25	11	270	202	183	145	122

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
TIDEWATER 01														
HOLLAND 1 E	EVAP	-	-	-	B 7.20	6.72	6.43	6.70	6.64	B 4.33	4.08	-	-	-
	DEP	-	-	-	-	.26	1.30	.99	.04	.59	.51	-	-	-
	WIND	-	-	-	B 2183	1955	1510	B 1065	1041	1464	1706	-	-	-
	MAX	-	-	-	73.1	77.7	86.7	92.0	90.8	79.6	71.5	-	-	-
EASTERN PIEDMONT 02	MIN	-	-	-	47.5	54.5	64.4	66.9	66.4	58.8	50.1	-	-	-
	EVAP	-	-	-	B 6.60	6.05	6.21	7.22	6.63	B 4.93	4.09	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	B 1732	1378	1081	1109	1060	1079	1092	-	-	-
WESTERN PIEDMONT 03														
CHARLOTTESVILLE 1 W	EVAP	-	-	-	B 5.51	B 5.86	B 7.08	7.20	6.04	47.9	B 3.68	2.81	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	1548	1298	951	558	B 636	-	-	-	-	-	-
	MAX	-	-	-	74.6	82.1	91.9	93.3	90.0	82.9	75.8	58.0	-	-
PHILPOT DAM 2	MIN	-	-	-	47.2	55.2	64.3	65.9	64.9	57.1	48.3	42.1	-	-
	EVAP	-	-	-	B 5.20	B 5.02	5.30	5.76	5.15	-	3.19	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	1155	841	574	693	612	508	512	-	-	-
SOUTHWESTERN MOUNTAIN 06														
MARION EVAP STATION	EVAP	-	-	-	5.45	5.44	5.77	5.88	5.33	4.41	3.96	B 1.84	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	1521	-	2141	1794	1341	976	1027	946	946	965	1522	1842	-
	MAX	-	-	60.1	67.3	76.3	84.2	84.5	84.8	78.4	69.5	54.9	-	-
MIN	-	-	-	39.4	43.1	51.8	59.5	60.4	59.9	53.5	44.2	37.1	-	-

MAX AND MIN IN TABLE 4 REFER TO AVERAGE MAXIMUM AND MINIMUM TEMPERATURE OF WATER IN PAN.

VIRGINIA
1963

1-APPOMATTOX; 2-ATLANTIC; 3-BIG SANDY; 4-BLACKWATER; 5-CHESAPEAKE; 6-CLINCH; 7-DAN; 8-HOULSTON; 9-JAMES; 10-MEHERRIN; 11-NEW; 12-NOTTOWAY; 13-POTOMAC; 14-RAPPAHANNOCK; 15-ROANOKE; 16-SHENENDOAH; 17-YORK

REFERENCE NOTES

Additional information regarding the climate of Virginia may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Byrd Field, Sandston, Virginia 23150, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in "F.", precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following Table 4.

Normals for all stations are climatological normals based on the period 1931-1960. "DEP" in Table 4 refers to departures from long-term means based on periods varying from 10 to 29 years which are used in place of normals.

Years of Record as shown in the Station Index are approximate since gaps in the records may not have been considered in arriving at the totals shown.

Climatological divisions outlined on the maps in this bulletin became effective with data for November 1956.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

- No record.
- + Also earlier date (dates) or months.
- * Amount included in following measurement.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- C Data for recorder stations denoted by "C" in the Refer to Tables column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".
- E Amount is wholly or partially estimated.
- M One or more days' record missing; if average value is entered, less than 10 days' record is missing. See monthly Climatological Data for detailed daily record.
- R Amounts from recording gage. These amounts are essentially accurate but may vary slightly from the amounts to be published later in "Hourly Precipitation Data".
- T Trace, an amount too small to measure.
- V Includes total for previous months. V in annual column means total is for a two-year period.

Information concerning the history of changes in locations, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this State. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.

CHANGES IN STATION NAME

NEW NAME	FORMER NAME	DATE - 1963
BROOKNEAL 2 NE	BROOKNEAL	April 11
COLONIAL BEACH	DAHLGREN WEAPONS LAB	December 3
CRAIGSVILLE	AUGUSTA SPRINGS 1 NE	September 11
DANVILLE-BRIDGE ST	DANVILLE	August 1
HALIFAX 2 SSE	HALIFAX 5 ENE	January 16
WASHINGTON D C DULLES WB AP	WASHINGTON CHANTILLY WB AP	July 1
WASHINGTON D C STERLING WB	WASHINGTON D C DULLES WB AP	July 1
WINCHESTER 1 N	WINCHESTER 2 SSW	December 1

RELOCATION AND CHANGES OF EQUIPMENT

BERRYVILLE	Equipment moved 145 feet S	December 10
BLACKSBURG 2	Equipment moved 0.6 mile N	August 8
BROOKNEAL 2 NE	Equipment moved 1.5 miles E	April 11
BUENA VISTA	Equipment moved 1.4 miles SSW	August 1
COLONIAL BEACH	Equipment moved 6.4 miles SE	December 3
COPPER HILL	Equipment moved 0.6 mile SW	August 7
CRAIGSVILLE	Equipment moved 4.6 miles SW	September 11
DANVILLE-BRIDGE ST	Equipment moved 2.1 miles SSW	August 1
FARMVILLE 2 N	Equipment moved 2 miles NNE	February 6
GRUNDY 3 NW	Equipment moved 0.4 mile NE	April 5
HALIFAX 2 SSE	Equipment moved 5 miles SW	January 16
HAYS1	Equipment moved 0.2 mile NE	September 14
TYE RIVER 1 SE	Temperature equipment installed	August 8
WINCHESTER 1 N	Equipment moved 3 miles NNE	December 1
WYTHEVILLE 1 S	Equipment moved 1.5 miles S	August 7

