## 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



### AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Table	1-Cont	innad

T	able 1-Continued			V 11.		, ,,,	. 1.1.			. 01		M	DI	, LI .	ar.		VII.O	1 1	O14	110	1771	AL.					1963
_	:	Jan	uary	Febr	niary .	Ma	rch	Ar	oril	М	ay	Ju	ne	Ju	ly ·	Aug	gust	Septe	mber	Oct	ober	Nove	mber	Dece	mber	Anı	ual
	Station	Temperature	Departure	Temperature	Departure	Тетретания	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Température	Departure	Temperature	Departure	Temperature	Departure
	TIDEWATER O1  BACK BAY WILDLIFE RFG BOHANNON 2 SW BOYKINS CAPE HENRY WB CITY CHERITON	38.2 34.6 38.4 36.5 37.0	- 6-1	36.8 34.2 37.2 35.0 34.9	- 7.4	53.1 50.5 54.4 52.4 53.3	4.5	58.4N 58.4 59.9		63.6 63.8 60.3 63.1 63.6	- 3.0	73.5 73.1 73.5 72.9 73.9	- 1.6	77.5) 76.9 77.3 77.2 77.9		77.3 75.9 76.7 76.9 77.3	- 0.6	68.9 67.3 67.3 68.1 67.6	- 5.0	62.8 61.2 60.0 61.9 62.6	- 1.3	55.2 52.3 51.6 53.7 54.8M	0.7	38.1# 35.2 34.9 37.4 37.3	- 6.6	58.6 56.9 57.6 57.8 58.3	- 2-2
	CHINCOTEAGUE W L REFUGE DIAMOND SPRINGS FORT LEE FREDERICKSBURG 2 S HOG ISL LTL MACHIPONGO	34.7 36.2 34.7 30.5 36.0	- 7.5 - 6.6	33.1 34.5 33.9	- 9.5 - 9.3	47.6 52.7 51.4 47.6 47.8	2.7 2.6	54.7 59.7 58.4 56.1 57.6M	0.6	63.4	- 3.1	71.3 72.9 71.4 71.5 73.0	- 2.8 - 1.8	76.4 76.8 75.4 75.5 77.4	- 2.2	74.0 76.4 74.7 73.6 77.9	- 1.5	65.7 67.4 65.8 65.1 68.8	- 5.8	60.8M 61.5 58.6 58.6 63.5	- 1.7 0.3	51.6 52.8 50.5 47.5M 54.9	- 0.7 0.2	34.5M 36.6 32.7 29.3 37.0M		55.4 57.7 55.9 54.0 57.4	3.3
	HOLLAND 1 E HOPEWELL LANGLEY AIR FORCE BASE NASSAWADOX NELSONIA	35.4 38.2 36.4 33.6 36.2	- 3.3 - 5.1		- 6.2 - 5.9	52.2 54.1 51.4 51.3 50.1M	3-1	58.5 61.8 58.5 57.5 56.6		64.4 :67.2 63.7 62.9 62.8	- 1.3 - 3.5	72.5 75.8 72.4 73.1 71.1M	- 0.3 - 3.0	76.1 78.0 76.8 77.5	- 1.2 - 2.2	75.8 77.5 75.4 76.2	- 0.3 - 2.5	66.8 68.6 66.4 66.4 66.0	- 3.6 - 6.3	59.2 61.8 60.2 60.8 59.4M	- 1.9	51.8 53.9 52.5 51.3M	2.9	34.4 35.5 35.2 35.04	~ 6.4	56.8 99.1 56.7	1.0
	NEWPORT NEWS PRESS BLDG NORFOLK NORFOLK PAINTER 2 W QUANTICO 1 S	38.5 37.1 40.4 35.4 32.2	- 4.1 - 2.9 - 4.3	38.9 34.0	- 5.9 - 5.1 - 6.4	56.1 50.8 48.5	6+2	61.3 60.3 62.7 57.2 55.7	3.4	66.9 64.6 66.8 63.8 64.5	- 2.9 - 1.6	76.3 73.2 75.3 72.6 72.8	- 2.4 - 1.0 - 0.7	79.6 77.0 78.6 75.6 77.3	- 1.8 - 1.0	78.5 73.9	- 0.8 - 0.2 - 1.4		- 5.9 - 3.7 - 7.2	58.8	- 1.9 0.5 2.1	52.0 55.2 50.4 48.7	1.7	37.7M 35.2 39.1 33.7M 29.9	- 7.3 - 5.9 - 7.5	56.0	2.0
	STONY CREEK SUFFOLK LAKE KILBY SUNNYBANK TANGIER ISLAND URBANNA	36.6 36.2 35.0 32.5 36.6		36.2 35.4 32.8 31.8 34.6		52.5 52.9 50.2 46.9 52.5		58.7 58.9 57.5 55.3 59.1		65.1 64.2 64.0 61.4 64.9		73.0 73.4 71.8 72.9		77.4 76.9 77.5 76.9		76.6 75.9 75.4 76.0		67.3 67.0 65.6 67.0		60.4 60.1 60.9 61.4		51.8 51.9 50.5 51.7M		34.7 34.3 33.4 34.2M		57.4 56.6 55.2 57.3	
	WALKERTON WARSAM 2 N MEST POINT 2 SW MILLIAMSBURG 2 N DIVISION	34.6 32.8 35.5 36.4 35.7	- 4.6	33.0 31.3 34.1 34.9 34.3	- 6.9	50.3M 49.9 52.0 52.6 51.4	4-0	57.4 58.5 59.0 59.2 58.4	1+2	63.6 65.0 65.4 65.1 63.9	- 2.1	71.8 73.3 72.8 72.7 73.0	- 1.6	76.0 77.5 76.2 76.7 77.0	- 1-1	74.9 76.4 75.9 76.0 76.1	- 0.7	65.3 66.8 66.6 67.2 67.0	- 443	58.7 59.9 59.2 60.5	0.0	50.6 52.1 51.5 52.5 52.1	1.6	31.4 32.6 32.9 33.8 34.7	- 6.6	55.7 56.4 56.8 57.3	1.8
	EASTERN PIEDMONT 02  ASHLAND 1 SW BLACKSTONE FAA AIRPORT CHASE CITY COLUMBIA CORBIN	34.01 34.9 36.2 31.8 31.3	- 5.9	30.8 33.4 35.0 29.8 29.0	- 9.0	48.7N 51.8 53.0 48.9H 48.2	3+1	57.5M 58.9 60.4 57.7 56.6		63.2 64.4 65.5 63.6 63.1	- 2.3	70.7 72.3 73.7 71.6 71.0	- 2.3	75.3 76.0 76.7 76.0 75.5	- 1.5	74.7 76.0 76.3 74.1 73.6	- 1.8	65.3 66.8 67.2 66.0 64.9	- 3.4	58.4 60.8 62.0 59.3 58.8	1.2	48.0M 50.5 51.1 48.2 48.7	1.0	29.9 32.5 32.9 30.3 30.2	- B.Q	54.7 56.5 57.5 54.8 54.2	2.3
	FARMVILLE 2 N JOHN H KERR DAM LAWRENCEVILLE LOUISA NEW CANTON	35.1 33.8 36.44 33.4 34.2	- 4.3	33.4 33.2 33.0N 31.8 32.2	- 7.3 - 7.5	1	4-6	58.5 59.1 58.8 57.2 57.6	1	64.7 64.9 65.1 64.1 63.9	- 1.2		- 1.4	75.6 76.0 76.9 75.1 74.4	~ 1.9 ~ 1.6	74.3 75.4 75.9 74.2 73.9	- 1.6	66.0 65.6 66.6 65.3 65.3	- 3.1	59.5 57.8 57.9 58.9 57.8	0.0	50.4 49.1 51.2 49.6 49.6	1.9	31.6 31.3 32.8 30.1 30.6	- 7.7 - 8.2		1.7
	PARTLOW 3 WNW POWHATAN 5 SW RICHMOND WB AP DIVISION WESTERN PIEDMONT 03	35.3 33.7 35.9 34.3	- 2.6	1	- 6.6 - 7.6	49.6 50.9 50.8 50.6	į	55.0M 57.0 59.2 58.0	2-1	64.2 64.3 64.0 64.2	- 2.5 - 1.5	70.3 72.4 72.0 71.8	- 2.6 - 2.1	74.9 76.0N 76.1 75.7	- 2.0 - 1.7	74.2 73.4 75.7 74.7	- 0.8	l	- 4.7 - 3.9	57.2 58.4 58.6 58.9	- 0.6	47.8 49.5 50.1 49.5	1.6	ł	- 7.3 - 8.1		2.0
	APPOMATYON 3 M BEDFORD CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	31.6 34.7 31.9 32.5 33.2	- 4.7	30.6 33.8 30.8 31.2 33.8	- 7.2	48.9 51.4 49.4 50.3 51.9H	5.0	58.0 59.98 58.4 59.2 59.5		63-0 64-6 64-2 64-2 65-5	- 2.1	71.7 72.3M 71.9 73.3 73.2	- 0.4	74.7 75.5 75.5 77.4 76.0	0.1	73.4 74.4 74.6N 75.6	- 0.4	66.1 66.0 66.6 67.0 66.7	~ 2.9	59.8 59.9 59.7 63.7 60.5	4.2	49.1 48.94 48.5 51.0 50.9	2.6	30.6 31.5 31.3M 31.4 32.1	- 7.3	54.8 56.1 55.2 56.4 56.5	0.9
	CHATHAM 2 NE DANVILLE BRIDGE ST HALIFAX 2 SSE LYNCHBURG WB AIPPORT MARTINSVILLE FILT PL	33.3 36.4 34.21 33.2	- 4.4	35.3 32.5 31.6 32.6	- 8.0 - 6.9 - 7.3			56.9	2-1	64.5 66.0 63.8 63.8 64.2	- 1.7 - 2.0 - 1.5	73+3 71-8 70+6	- 2.1 - 2.3 - 1.2	75.9 74.8 73.7	- 1.1 - 1.7 - 1.5	75.4 74.1 72.8	- 0.9 - 0.2 - 0.7	68.7 67.4 66.8 64.7	- 3.2 - 2.7 - 1.9	59.7 61.1 57.0		49.4 50.0 49.2M 49.5 47.9	0.6	32.3 32.4 31.6 30.3 31.2	7.1 8.6 8.2	57.5 56.1	1.9
	PEAKS OF OTTER PHILPOT DAM 2 ROCKY MOUNT STUART 1 SSE TYE RIVER 1 SE DIVISION	29,11 32,1 31,5 35,8	- 7.2	29.1 32.5 31.1 34.8	- 8.5	50.8 48.5 52.2		54.6 57.4 56.4 60.9		59.6 63.1 63.6 65.9		70.6 71.2 72.9 71.6	- 0.9	68.9 74.3 73.8 74.9	- 1.9 - 1.7	76.5	- 1.7	61.6 65.5 64.9 67.1 66.3	- 2.5 - 3.1	58.2 59.7 58.0 62.8 59.7	- 0.2	44.8 48.2 47.8 51.5M 49.8	1.0	24.5M 31.8 29.7 31.5 30.9M	- 9.5 - 8.5	54.9 54.1 57.2	- 2.5
	NORTHERN 04 ALEXANDRIA CITY GARAGE BERRYVILLE BIG MEADOWS CULPEPER	29.9 29.1 24.7 30.7	- 6-1	27.5 22.5 30.2	- 7.7	46.1 45.4 40.7 48.5	3.0	47.0 56.0	- 0-1	62.7h 60.9 54.3 63.8h	- 1.7	71.7 68.7 62.2 71.4	- 1.9			72.8 71.6 63.1 73.7	- 1.4	64.5 62.9 55.4 64.5	- 4.5	59.2 57.3 55.6 58.4 57.5	0.2	48.3M 46.9 39.8 48.4	1.4	30.5 27.1 20.6 28.7 29.0	- 8.7	45.9 54.1 54.0	2.5
	ELKWOOD 6 SE  FALLS CHURCH 2 SW LINCOLN LURAY 5 E MANASSAS MOUNT WEATHER	30.4 29.5 30.5 28.3	- 6.2	29.5 30.0	- 7.3	49.8 47.2 47.1 47.9 47.6 44.2	J	56.7 55.5 56.0 54.6 56.3 52.6	1.0	63-11 63-1 64-9 61-9 64-21 61-1	- 0.4	69.9 71.1M	- 1.0	76.6 72.6 75.6 72.7	- 0.8	73.5 72.8 73.6 71.7 73.8 70.5	1	63.94 66.3 64.0 66.4 62.4	- 2.7 - 2.2	58.4 61.9 58.5	3,6	47+8 48+4M 47+0 49+0M		29.0M	٠.	54.7 53.0 51.6	1+5
	PIEDMONT FIELD STATION WARRENTON 3 SE WASHINGTON WASH DC DULLES WB AP WASH DC STERLING WB	30.44 28.9 28.0 28.4 27.0		29.1 27.5 27.3 29.3 27.7		48.0 47.1 45.2 46.1 44.5		57.3 56.2 54.3 53.4 53.0		63.1 62.3 60.3 60.1 59.9		71.6 70.6M 68.4 70.3 69.1M		75.3H 75.5H 72.7 76.4 73.7		74.3 .73.0 71.5 74.3 71.9		65.1 64.6 62.7 65.4 62.8		59.8 60.3N 57.4 59.3 56.3		48-0 48-6 47-1 48-6 46-0		28.8 29.7 28.4 29.4 27.2		54.2 53.7 51.9 53.4 51.6	
	WASHINGTON WB NAT AP WAVERLY HILLS WINCHESTER 2 SSW WOODSTOCK DIVISION	31.4 32.7 30.2 30.9 29.6	- 4.7 - 5.5	31.0 31.3 28.4 28.5 28.6	- 7.7 - 8.4	48.5 49.1 46.7 47.0	3.7 3.4	57.8 57.6N 55.8 55.4	1.6	64.9 64.5) 63.2 62.5	- 1.	73.7 72.5 71.1 70.2 70.2	- 0.5 - 1.1 - 1.2 - 1.3	76.9 75.2		75.4 74.6 73.0 73.2 72.5	- 1.5 - 0.3	66.5 65.3 65.1 64.3	- 2.5	61.4 60.3 59.1	3.0 2.5	49.8 50.0 49.0 48.3 47.6	3.0	31.1 30.0M 28.5 28.9 28.4		<b>!</b>	1.3
	CENTRAL MOUNTAIN 05 BALCONY FALLS BUCHANAN CATAWBA SANATORIUM COVINGTON FILT PLANT DALE ENTERPRISE	29.9 33.8 32.2 30.6 28.7	- 4-2	29.6 33.3 31.0 30.7 28.5		47.0 50.5 49.4 48.4 46.9	6-1	56.9 57.9 57.2 55.5 54.4	3.1	62.8 65.1 62.5 61.9 61.6	~ 0.	70-0 71-5 69-6 68-5 70-2	- 0.2	73.2 74.1 71.4 72.2 73.5	- 1.6	71.4 74.1 71.9 71.4 72.7	- 0.1	64.1 67.2 64.1 64.4 63.4	- 2.2	56.1 59.4 59.2 57.2 57.8	1.3 2.7 2.1	46.1 48.4 47.3 46.1 46.7	1.8	28.5 30.6 28.2 27.9 27.0	- 7.9 - 9.1 - 8.8		1.3
	HOT SPRINGS LEXINGTON MONTEREY ROANOKE ROANOKE WB AIRPORT	29.1 31.1 22.9 33.9 32.9	- 3.5 - 6.3 - 5.0	28.0 31.5 23.1 32.6 92.0	- 7.2	45.7 49.3 40.5 50.4 49.7	4.2	53.5 57.5 48.8 59.1 58.6	2.5	63.5 55.7) 64.4 64.4	- 1.1 - 1.1	67.2 71.7 63.6 71.9 72.9	- 1.3 - 0.5	74.1 65.8 79.8 75.0	}	72.6 64.4 72.5 73.9	- 1.2 - 2.6 - 1.5	61.7 65.5 58.9 64.5 66.0	- 4.1 - 3.1	57.8 54.5 58.5 60.5	0.2	44.0H 47.8H 43.3 47.5 48.6	0.5	25.8 28.8 21.4M 29.7 30.5	- 9.5 - 7.9	54.9 54.9 55.4	2.2 1.5
	STAUNTON D AND B INST TIMBERVILLE DIVISION	29.0 29.3 30.3	1	7 28.2 27.9 7 29.7	- 7.3	46.7	-	55.8 54.2 55.8	1.9	61.3	1	69.3	0.7	72.7	- 2.2	72+5	- 1.4	62.8	- 4.0	57.8 57.3 57.7	1	47.6 46.6 46.7	1	28.8 27.7 27.9	- 7.6	52.4	1.7

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#### AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

VIRGINIA

	Janu	lary	Feb	ruary	. Mar	ch	Apı	ril	м	ay	Ju	ne	Ju	l <del>y</del>	Aug	rust	Septe	mber	Octo	ber	Nove	nber	Dece	mber	An	nual
Station .	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 O																					Ī					
BLACKSBURG 2 BRISTOL BURKES GARDEN CHILHOWIE 1 S FLOYD 2 NE	27.6 31.8 27.7 25.6 30.2	- 5.5	27.2 32.3 26.7 27.0 28.4	- 7.6	44.6 51.0M 44.3M 44.3 45.0	4.7	53.2 57.8M 51.1 52.6 52.9M	1.4	59.4 64.7 56.7 59.1 58.6M	- 1.1	67.0 71.3 63.5 67.0 65.7	- 1.4	69.8 71.8 64.9 68.0 67.7	- 3.0	68.5 72.6 65.0 68.9 67.48	- 2.0	62.0 66.9M 58.9 62.9 61.2		55.3 59.1 51.1 54.6 52.9M	- 0.3	44.9M 41.2M 43.8 43.5	0.6	26.2 23.3 24.5 27.1M	-10.3	50.5 47.9 49.9 50.1	2.
GALAX RADIO WBOB GLEN LYN GRUNDY 3 NW MARION EVAP STATION PENNINGTON GAP	31.6 31.6 32.1 29.7 27.9	- 8.2	29.8 30.5 33.4 28.7 28.4	- 9.2	45.8 50.4 52.5 46.6 46.3	2.7	54.5 57.6 59.7M 54.2 54.7	0-8	59.0M 63.1 64.3 59.8 61.7	- 1.4	66.7 71.0 72.8 67.0 69.2	- 1.3	68.3M 72.3 74.6 68.3 70.2	- 3.5	69.9 72.6 74.0 68.3 70.4	- 2.4	62.1 65.8 68.2 62.6 64.2	- 3,1	54.8 58.7 61.0 55.2 57.7	1.2	44.7 47.6 49.2M 44.2 45.6	1 • 6	28.3 30.1 29.1M 25.5 26.7	-10.1	51.3 54.3 55.9 50.8 51.9	- 2.
PULASKI ROCKY KNOB ST PAUL SALTVILLE 1 R	32.3M 28.7 31.0 28.8	- 7.8		- 7.5	45.2 44.9 50.1 47.1	3.4	53.4 53.3 59.0 57.0	2+3	59.5 58.0M 63.9 62.6	- 1.6		- 1.9	70.7 69.2M 72.2 70.8	- 3.9		- 2.4			56.6 M 58.1 59.0	2.0	45.4 45.0 44.8 46.2	1.4	27.8 25.8M 25.6 27.1	- 9.7		- 2.
WISE 1 SE WYTHEVILLE 1 S	28.0	- 5-2	27.8	- 7.3	47.9	4.3	54.9	1.4	59.4	_ , .	66.5	- 1.1	67.3		67.9		62.3	١.,.	56.5	١.,.	44.5		25.0		50-6	1
DIVISION	29.7		29.3		47.1		55.0		l			- 1.0		1							45.0		26.6			1.

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

Table 2			10.	·VI		LLC	ILII	.A.	ION	n.	עמו	DE.	PAN	(10	RL	<b>3</b> F.	KUI	AT 1/4	OR	MM	T.					IRGINIA 1963
•	Janu	агу	Febr	uary	Ma	rch	Apr	ril	May		Jun		Jul	<b>y</b>	Augn	18t	Septer	nber	Octo	ober	Nove	mper	Decer	nber	Ann	ual
Station	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 O1				_						٦																
BACK BAY WILDLIFE RFG BOHANNON 2 SW BOYKINS	3.56 2.71 3.48		E4.04 E2.86 2.97		3.05 5.27 3.13		1.23 .67	i	1.78 5.58 2.20		8.77 9.42 4.24		4.32 .55 2.95		4.51 2.20 3.52	- 1	4.87 5.61 3.89		.80 .37		4.86 5.34 5.18		2.99 3.05 3.31	\	E44.78 E43.63 36.88	
CAPE HENRY WE CITY R CHERITON	3.02 3.12	•04	3.72 3.57	• 47	3.03 4.40	33	1.58	1.35	2.12- 2.80	-92	10.74 6.15	7.20	1.61	3.49	1.17	4.05	3.4Z 3.90	- 53	•87 •36		3.84 4.57	1-04	2.85 2.59	/.09	38.01 34.79	- 3.83
CHINCOTEAGUE W L REFUGE DIAMOND SPRINGS DRIVER 4 NE	E3.80 3.39 3.95	- •24	E3.26 3.83 E4.43	.38	7.59 3.23 2.66		.57 1.23 1.35	2.14	2.48 1.38- 2	2.28	4.73 9.02 8.52	5.23	.82 2.64 1.04	3.55	3.34 2.82 3.65	3.75	5.09 6.02 8.98	1.54	.57 .88	- 2.29	4.03 5.37 5.69	2.04	2.55 3.00 3.12	404	E38.83 42.81 E45.74	- 5.73
EMPORIA I WNW FORT LEE	2.59 1.82		2.81 3.03	- •53	3.71 3.86	-14	1.08 -75	2.35		.37	2.89- 11.24	1.22	1.99 2.18	4.19	4.08 3.70	.95	3.34	•67	•07 •36		3.72 6.44	•93	4.63	1.04	33.56 43.66	
FREDERICKSBURG 2 S HOG 1SL LTL MACHIPONGO HOLLAND 1 E	1.95 2.67	- 1.25	3.86	- 1.10	5.63 5.41	2.35	•59-	2.51	1.91	2.12	5.42	2.08	1.37	3.52	.51 1.43	4.59	3.53 1.96 7.95	.08	•14 •83	) 1	4.21 3.42 4.58	1.37	1.71	- 1.09	27.78	-
HOPEWELL LANGLEY AIR FORCE BASE	3.69 2.10 2.90	97 33	4.29 3.37 3.33	.61 .31	3.88 3.42	•72	1.23 .56-		1.60 3.54 2.44	•43 •04	7.62 8.11 10.46	3.88 7.36	3.69 1.75 1.41		3.39 3.16 3.78	1.94	3.84 5.90	.08 1.92	. 66 . 35	2.55	6.79 E4.95	3.99 2.16	3,00 2,99 £2.84	•21 •27	40.75 E44.63	- 2.93 •68
NASSAWADOX NELSONIA	3.30 E4.00		3.19 E3.12		6.03 7.10		.63 .64		3.32 3.76		7.93 5.13		-16 E -52		2.64 E3.50		3.97		•38 •71		6.12 5.40		2.92 3.08		40.59 E41.04	
NEWPORT NEWS PRESS BLDG NORFOLK WB AIRPORT NORFOLK	3.52 3.36 E3.88	•03 •69		1.33	3.83 2.98 3.48	47 •02	1.02 1.29 1.26	1.87		•81 •64	9.72 9.72 8.78	6.11 5.16	2.01 2.01 2.41	3.91 3.54	2.31 2.40 1.68		7.58 6.84 5.91	2.62 1.83	1.21 1.09		5.31 5.61	2.26 2.64	3.28 2.85 2.99	.11 .26	43.27 E43.24	1.67
PAINTER 2 W QUANTICO 1 S	3.04 El.98	- 1.16	2.08 E1.53	83	5.45 5.47	2.25	•90 •64	2.44	4.17 .58- 2	. 89	6.03	1.33	.57 1.16	3.42	4.76	4.39	5.39	.08	.19 .05	- 2.90	5.87 6.01	3.22	E2.81		E41.26 E27.45	1
SMITHFIELD 3 NE STONY CREEK SUFFOLK LAKE KILBY	2.48 E2.03 4.11		3.42 E3.70 3.93		3.59 4.03 3.64		.79 .92 1.11		3.53 2.45 1.31		7.66		3.18		2.99		7.94		•72 -		3.93		3.05		37.81	
SUNNYBANK TANGIER ISLAND	1.81 E2.30		1.96 E2.40		6.75 6.04	İ	•53 •00	1	3.37 2.20		7.70	- 1	.94		1.36		5.58	1	•39 •00		5.73		2.18		38.30 E33.81	
URBANNA WALKERTON WALLACETON LK DRUMMOND	2.81 2.00 3.65	•01	1.79 2.34 3.56	09	5.92 5.96 2.88	- 1.07	.86 .52	2.69	4.58 3.23	.67	8.58	2.69	.81 .85 2.92	3.81	.81 3.67 1.10	4.62	3.89 2.26 7.14	2.77	•23 •16 •95	- 2.25	6.16 6.21 5.29	1+84	3.04 2.71 3.64	. 36	39.48 36.43	- 9.73
WARSAW 2 N WEST POINT 2 SW	1.81		1.83		6.05		-14 -80		2.59		6.88	,	.66 2.44	,,,,,	1.57	1.02	2.52		T		5.98	1.00	1.98	•	32.01 40.28	,,,,
WILLIAMSBURG 2 N DIVISION	2.71	54	2.93	.01	4.25	1.21	-66	2.40	7.20	.80	7.62	4.05	1.69	3.72	2.12	ارم	4.15	.87	.54	- 2.58	5.32	2 • 34	2.93	15	44.82 39.25	4.62
EASTERN PIEDMONT OZ			340,3	•••	40,7	••••		2			7.002	4400	1107	,,,,	2.40	2.		,,,	•••	,,	,,,,	•••		•••	,,,,,	
ASHLAND 1 SW BLACKSTONE FAA AIRPORT BREMO BLUFF	E1.45 1.70 1.83	.	E2.62 3.40		4-69 3-82		•62 •63		2.06		6.03 2.36		.35 1.34 1.38	ŀ	1.97		3.03		•29 •41		5.91 5.57 6.12		2.23 2.09 1.80		E31.25 27.35 26.72	
BUCKINGHAM CHASE CITY	1.59		2.39 2.20 2.55		5.50 4.78 4.78		.69 .90 1.48		1.73 1.98 1.55		1.16	Ì	2.41		.76 .60 1.33		2.51 3.85 2.54		•22 •16 •40		5.43		1.45		26.51	
CLARKSVILLE COLUMBIA	1.98 1.64			- 13 - 48	5•15 5•56	1.25 2.09	1.52 .84	2.29		•63 •29	2.27	2.47	.57	4.37 3.64	3.62 2.80		2.35	1.50	.49 .38	2.56	6.17 6.58	2.91 3.85	1.68	1.20	29.39	-16.04 -11.76
CORBIN FARMVILLE 2 N GORDONSVILLE 3 S	1.40 1.40 2.03	- 2.40	1.67 2.23 1.42	1.02	5.60 4.71 5.51	•73	•50 •76- 1•02	2.88	1.48 2.42-1 1.10	•60	6.17 1.99- E4.06	2.32	1.82 5.38 1.02	.56	2.21 1.08- 2.51	3.61	3.09 2.59 3.10	1.21	•02 •26 •02	- 2.70	6.32 6.31 5.63	3.22	1.77 2.50 1.66	68	32.35 31.63 £29.08	-13.91
JOHN H KERR DAM LAWRENCEVILLE	2.46 2.75	Í	2.89 2.85	Ì	4.34 5.95		1.15		2.18		2.32	Ì	2.77	·	2.09	1	2.37		.38 .35		5.86 6,35		2.56 2.90		31.37 36.05	
LOUISA NEW CANTON PALMYRA 1 E	2.01 1.83 1.74	- 1.77	2.13 2.31 1.67	56	6-60 5-60 6-08	1.85	•96 •92 •96	2,76	1.30 1.51- 2 2.45	•25	3.40 1.87- 2.79	1.39	2.09 2.36 1.14	2.21	3.29 1.06 2.14	3.46	2.53 2.81 3.13	.75	-11 -42 -06	- 2.46	6.80 5.82 5.53	2.89	2.17 1.85 1.53	- 1.46	33.39 28.36 29.22	-14.33
PARTLOW 3 WNW POWHATAN 5 SW	1.60		.45 2.75		3.70 5.80		•55 •88		1.45		5.80 3.23		1.15		2.00		3.45		•16 •91		6.90		1.60		28.75 32.01	
RICHMOND WB AP R ' STATE FARM	1.07	- 1.91	2.98 1.89	-08	5 • 62 4 • 77	2.20	-52	2.51	2.90	• 33	3.08	3.26	•52 •97	- 1	1.58	.	3.20	.45	.30 .31		5.62		2.09	17	37.46 27.94	
DIVISION WESTERN PLEDMONT OF	1.79	- 1.72	2.36	- •61	5-14	1.43	.89	2.64	1.86- 1	.83	3.68	•01	2.15	2.94	1.96	2,62	2.99	.65	.33	- 2.59	6.25	3.25	2-19	90	31.59	-12.01
ALTAVISTA - APPOMATTOX 3 W	1.59		2.25		-4.73 4.55		.86 1.44	Ì	1.97		•96 •73		6.41	Ì	.99 1.43	1	3.16	ĺ	•68 •38		5.47 4.95		1.55		30.62 25.01	,
BEDFORD BROCKNEAL 2 NE CHARLOTTE COURT HOUSE	1.32 2.17 1.54	2.14	2.13 1.27 2.52	.79	4.42 4.88 4.99	•31	.92 .97	2.56	2.29-1 1.65	.79	1.11	3.31	2.38- 4.64 1.09	2.10	.84- 1.13	4.29	3.89 2.90 2.32	.45	.80 .35	- 2.20	5.56 5.58 5.56	2-66	1.48 .76	1.94	27.17 27.41 23.98	-17-70
CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	1.50 1.17	1.80	2.04 E1.18	.74	5+66 E6+28	1.76	1.53-	2.16	2.34- 1 2.01	.55	1	2.24	2.61	2.97	2.31	2.39	2.96	1.28	-18	3.19	6.02	3.01	1.50	1.93	30.39 E30.70	
CHATHAM 2 NE CONCORD 5 S DANVILLE BRIDGE ST	1.71- 1.61 2.35-	1.73	2.58	50	6.09 4.85 6.41	2.29	1.37-	2-19	2.25- 1 1.55	• 42		1.39	2.50 6.53 3.81	1.88	2.00 -71 1.94	2.50	4.42 2.94 3.75	-32	.57 .39		5.95 5.43 5.63	2.99	1.55	· 1.75	33.39	-10-07
FREE UNION HALIFAX 1 N	.96 2.13	1.22	1.77	.18	5.32 5.51	1.64	1.30		1.72	.80	1.75		2.04	2.29	1.72	2.94	3.01	1.47	•01 •48		5.54	3.39	1.47	1.54	26.61 30.64	
HALIFAX Z SSE HOLCOMBS ROCK HUDDLESTON 2 SW	1.95 1.72 1.31		2.83 E2.16 2.49	•	5 • 6 6 5 • 6 7 4 • 8 2		1.02		1.74 1.94 2.50		2.07 2.49 1.75		2.36	2.27	1.88		2 • 2 4 3 • 1 6		.51 .58		6.48 6.94 5.42	,3.3,	1.84 1.67 1.71		31.86 E31.46 28.55	
LYNCHBURG WB AIRPORT R	1.92	1.37	1.86	79	4.56	.95	1.15	1.99	1.87- 1	. 34	1.29	2.77	1.60	2.46	.93-	3,48	3.83	.47	.79		5.10	2+52	1.51	1.63	26.56 E36.39	-13.74
MEADOWS OF DAN 5 SW MONTEBELLO 3 NE PEAKS OF OTTER	E1.49 1.67 E1.75		2.20 1.25 1.97 2.06		6.02 6.87 4.39 E4.45	l	1.30 1.75 1.46 1.08		2.85 3.09 1.07 3.11		2.01 2.32 2.33 3.53		1.05		2.15 1.85 2.75		5.08 4.84 3.02		. 20 . 39	·	4.99 5.78 6.89 9.74		1.82 1.10 1.71 1.69		32.67 E30.71 E36.19	
PEDLAR DAM PHILPOT DAM 2	1.61		2.32		6.36		.86 1.04		1.77		2.21	l	1.84	İ	1.68		2.98		.32		8.13		1.64		31.92 33.52	
RANDOLPH ROCKFISH	1.54	1	2.38 3.04 2.19	•10	5 • 1 2 6 • 3 8	1.24	.73- 1.38	3.18	1.34 2	-76	2.36	- 1	2.11 2.30 2.23	1	1.21	4.33	2.11 3.72	2.36	•51 •13		5.68	2.39	1.92	- 1	26.22 30.88	
ROCKY MOUNT STUART 1 SSE	1.30 .84	1.91	1.68	. 89	6.26	1.31	2.01	2.64	4.92	•23	2.06	2•67	4.42	•07	1.55	1.89	4.03	1.62	.35	- 2.97	5.41	2.73	1.40	1.70	30.20	-11451
TYE RIVER I SE WOOLWINE 4 S	1.70		1.50 2.29		6-67		1.62		2.49	-	2.36		2.04		2.01		4.64		•25 •31		4.95 5.75		2.20		28.47 33.47	   <b>-</b> -
DIVISION NORTHERN 04	1.53	1.89	2.19	- 85	5.51	1.57	1.27-	2.41	2.32- 1	• 64	1.74	2.34	3.03	1.79	1.70	2.93	3-65	•42	•46	2.65	5.77	2.86	1.54	1.78	30.71	14.27
ALEXANDRIA CITY GARAGE AMISSVILLE	1.93		E1.91 1.60		5.63 5.47		E1.00		1.82 3.00		6.45 3.32	. ]	1.38		4.72		3.92 2.73		•00 T		7.51 5.76		2.18 1.55		E38.45 29.71	
BERRYVILLE BIG MEADOWS CULPEPER	1.02 1.43 1.63	1.40	1.39 2.00 1.68	.87	4.62 E6.74 5.95	2.57	1.86	2.33	2.23	.32	5.99	2.19	1.45 1.85 1.80	3.00	3.53 2.66 1.75	2.63	2.99 3.02 3.18	.44	.04 .01	- 3.13	5.99 13.70 6.58	3-60	1.70 1.80 1.34	1.53	30.98 E41.66 32.88	- 9.29
ELKWOOD 6 SE FAIRFAX	1.63		1.76	l	5.85		.99		1.09	- (	4.20	l	1.21 E1.43	-	2.39 4.51	-	3.28 3.21		•05 •02		6.16 5.08	ļ	1.87 E2.15		30.48 E36.57	
FALLS CHURCH 2 SW GROVETON LINCOLN	1.57 1.80 1.25	1.78	2.00 1.82 1.98	.76	5.55 5.65 E4.71	-93	1.03	2.36	2.34		8 · 8 6 5 · 28	3.29	E1.18 2.82 1.20-	3.06	6.01 3.47 4.60	.14	3.93 4.15 2.83	.50	•04 T •09	- 3.38	7.84 6.97 6.30	3.42	1.97 1.88 1.95	1.17	242.32 36.85 E34.57	- 8.06
LURAY 5 E MANASSAS	1.15 El.53		1.76	-	4.68		.71		1.31		3.11 4.92		1.98		3.15		2.70	Į	.02 E •02		7.22 6.83		1.87		29.66 E31.33	
l	.	ì		ı	- 1	I	. 1	ı	ŀ	1	-1	ı	1	1	ı	ı	. 1	ı	J	1	1	ı	!	1		

	Janu	ar <del>y</del>	Febr	uary .	Max	rch	April	м	ау	Ju	ne	Jul	y	Aug	ust	Septer	nber	Octo	ber	Nove	mber	Decer	nber	Ann	ual
Station	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Dopartuse	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
MOUNT WEATHER PIEDMONT FIELD STATION RAPIDAN RIVERTON SOMERSET	1.25- 1.16 1.79 1.34- 1.27	1.42	1.44 E1.71 2.07 2.40 1.29	89	3.06- 5.83 6.06 3.82 5.44	•20 •96	1.14- 2.1 1.19 1.29 .87- 2.0	7 1.89 1.14 .86 1 .98 1.34		12.06 2.98 3.37 5.78 2.49	8.50 2.57	1.22 3.00 1.52 1.33 3.07	2.61	3.11 2.46 3.11 1.60 1.50	- 1,38	2.70 3.36 3.75 2.56 3.28	1.07	T T .00	- 3.70 - 3.41	9.06 6.25 6.11 6.78 5.45	6.17	1.73 E1.29 1.99 2.15 E1.65	.90	38.66 E30.37 31.92 29.61 E27.85	5.76
THE PLAINS 1 E VIENNA DUNN LORING WARRENTON 3 SE WASHINGTON WASH DC DULLES WB AP	1.31 1.88 1.61 .87 El.95		1.91 1.84 1.29 1.33 E1.76		4.63 4.68 5.28 5.09 4.34		1.14 1.15 1.06 1.35 1.17	1.52 1.97 1.45 1.44 1.52		6.91 10.06 4.04 4.23 8.59	1	1.18 .73 .61 1.35 1.25		3.20 4.56 2.65 2.11 4.70		2.93 3.33 2.95 2.79 3.30	. }	.06 .02 .05 .00		9.10 8.70 5.51 5.87 7.83		1.99 2.10 1.97 1.74 2.26	,	35.88 41.24 28.47 28.17 E38.67	
WASH DC STERLING WB WASHINGTON WB NAT AP R WAVERLY HILLS WINCHESTER 2 SSW WOODSTOCK	1.81	- 1.17 - 1.26 - 1.15	1.53 1.94 2.26 1.82	53 30 12	4.82 5.43 5.82 5.70 5.27	2.22 2.54 2.41	1.31 .99- 2.1 E1.22 1.30- 1.8 1.31- 1.5	1 2.10	2.00	6.87 6.85 4.96 4.36	3.66 1.26 .53	3.00	- 2.20 - 1.24 - 1.87	5.24 7.21 6.90 2.60 2.09	2,31 1,56 2,17	3.08 3.61 3.46 2.63 3.51	.22 .34	T T T	- 3.07 - 3.45 - 2.76	7.34 6.70 8.01 6.32 4.54	3.86 3.73 2.41	2.07 1.72 2.14 1.90 1.79	- 1.06 58 43	E36.77 39.34 E43.05 33.46 28.78	1.4
DIVISION	1.46	1.35	1.73	- •62	5.22	1.85	1-16- 2-1	7 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	6.4
CENTRAL MOUNTAIN 05		(	(		ĺ			1 1			!	[ ]		(	1		[								
AUGUSTA SPRINGS 1 NE BALCONY FALLS BUCHANAN BUENA VISTA CATAWBA SANATORJUM		2.37 1.92	.57 1.83 1.57 2.76 2.08	- 1.15 - 1.96 82	4.36 6.43 4.66	1.21 .55	- -51 - 3.1 -60 - 2.7 -30 -81 - 2.5	1.42			- 1.55 - 1.99 - 2.32	3.91 4.08 E4.21 1.92	17 33 - 2.64	1.75 1.62 1.47 1.64	- 2.87 - 3.05 - 2.87	2.46 1.64 2.94 3.23	1.34			6.52 6.04 5.25 3.69	3.53 2.95		- 1.62 - 1.92 - 1.24	30.15 27.96 E30.10 25.32	16.2
CLIFTON FORGE COOTES STORE COVINGTON COVINGTON FILT PLANT CRAIGSVILLE	1.03 -81 -97 -93	1.96	2.35- 1.77 1.98 1.70	- ,50	6.47 5.80 5.79 5.82	2.55	1.04- 2.0 1.19 .69 .74	1.80 .92 1.83 1.81	- 2.18	1.78 3.44 2.38 2.82	- 1.93	2.95 1.51 2.04 1.50	- •95	1.07 2.34 1.94 2.09	- 3.30	2.78- 3.32 2.70 2.59	.53	.20 .08 .38 .73	- 2.74	4.79 4.40 4.16 3.27 5.46	2.05	1.66 1.75 1.68 1.53 1.81	- 1.29	27.92 27.33 26.74 25.53	
DALE ENTERPRISE DEERFIELD 1 S GOSHEN HOT SPRINGS KERRS CREEK 1 WSW	.82- 1.37 1.12 1.41-	- 1.34 - 1.60	1.35- 2.12 1.27 2.65- E2.44	60	5.26 5.94 5.91 6.13 6.47	2.39	1.29- 1.3 1.52 .93 .97- 2.1	1.58		2.72	- 2.43 - 1.47	1.29- 4.78 1.91 3.93- 5.17		1.65 3.77 3.14 2.56 1.50		2.64- 2.48 3.75 2.97- 3.67	.50	.03 .70 .27 .21		4.06 5.72 5.92 3.64 6.55	1.96	1.25 1.67 1.40 3.04 1.90	• .98 •16	22.10 34.37 30.96 32.12 E33.62	- 9.2
LEXINGTON MONTEREY MODRES CREEK DAM NEW CASTLE NORTH RIVER DAM	1.12- 1.16 E1.05 1.12 1.27-	1.96	2.09- 1.48 1.36 1.75 2.60	• • • 66	5.78 6.76 5.00 5.41 6.10	2.17	.69- 2.3 1.43 .90 .80 1.36- 1.6	1.76 1.86 2.82		2.17 2.50 2.00	- 1.23	2.01 3.45 1.70 1.96 2.44	2.17	1.73 2.35 2.20 2.38 2.08	- 2.30 - 2.81	2.75 2.33 3.30 2.63 2.55	1.14	.30 .34 .10 .66		5.45 E4.62 5.40 3.60 4.88	2.79	1.62- 2.04 .60 1.65 1.84	. 1.29	27.75 E29.89 E25.97 26.78 28.91	
ROANOKE ROANOKE WB AIRPORT R STAUNTON D AND B INST STUARTS DRAFT TIMBERVILLE	.87 1.10 .87 .96	1.80	2.08- 1.97- 1.60- 1.59- 1.75-	.79 .89 .51	3.69 3.89 4.55 5.03 5.48	.05 .36 1.38	.79 2.3 .87 2.2 1.04 1.9 1.20 1.26 1.4	3 1.94 4 1.40 1.06	2.34	2.61 1.61 3.16	- 1.39 - 1.19 - 2.08 - 1.15	3.76 2.68 2.11 .80 1.02	- 1.90	1.46- 1.81- 2.77- 1.60- 2.81-	1.05	3.97 2.87 3.48 3.28 3.32	•29 •39 •19	.41 .27 .13 .22	- 2.94 - 2.70	4.53 3.80 4.58 4.93 4.89	1.81 1.10 2.17	1.59 1.86 1.53 1.45 1.55	1.51 1.12 1.17	27.75 25.67 25.67 25.28 26.32	15.5
WILLIAMSVILLE 5 N	.85		E3.07		6.85		.69	1.59		2.28		3.42		3.35		2.08		.52		E5.07		E1 - 85		E34.69	1
DIVISION	1.10	1.80	1.85	76	5.13	1.64	.92- 2.1	3.85	- 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	-13.2
SOUTHWESTERN MOUNTAIN OF ALLISONIA		•			4.73	ĺ									1		1								
BLACKSBURG 2 BLAND BRISTOL BURKES GARDEN	1.45 1.42 3.06 2.19	1.71	1.45 1.47 1.28 2.13 1.83	- 1,-79	4.30 5.72 8.63 7.49	3.08	1.17 1.07 .77 1.47 1.39 2.0	2.39 2.70 1.97 5.05 9 3.47	47	1.69 .80 4.53 2.03	- 2.04	1.32 3.04 2.05 4.37 4.17	64	1.25 2.22 3.25 4.23 2.65	1.67	3.96 3.79 3.10 1.61 2.22	1.01	.12 T .00	- 2.34	3.79 3.45 3.70 E5.01 5.57	2.58	1.43 1.65 .89 El.65 1.40	- 1.97	22.98 26.95 24.95 E41.74 34.46	
BYLLESBY CHILHOWIE 1 S CLINCHCO COPPER HILL DAMASCUS	1.23 2.74 2.27 1.13 2.79	- 1-14	1.57 2.07 2.64 1.78 2.34	. 1.57	5.66 8.09 8.55 4.38 7.32	3.02	1.35 1.64 1.19 .83 1.94 1.6	1.54 3.66 3.94 2.33 4.47	•24	1.16 3.28 3.81 2.69 6.29	2.17	1.13 1.49 4.67 2.74 2.36	- 3.60	3.46 2.32 4.77 1.97 3.60	. 83	4.24 2.42 2.35 4.65 1.92	.98	.03 .09 .09 .31	- 2.28	3-11 4-20 5-00 4-36 5-03	2.22	1.56 1.57 1.86 1.21 1.56	- 1.72	26.04 33.57 41.14 28.38 39.68	i
FLOYD 2 NE GALAX RADIO WBOB GLEN LYN GRUNDY 3 NW HILLSYILLE 1 S	1.08 .40 1.20 2.88 1.15	1.68	2.06 1.82 1.72 3.01 1.63	1.13	4.52 5.50 5.07 8.43 5.64	1.54	.75 .39 .70- 2.3 1.19	2.57 1.86 2.85 3.48 1.79	- ,54	1.46 2.57 1.56 2.20 1.53	2.05	5.59 2.32 3.88 4.45 1.52	50	.86 1.07 2.26 2.69 1.92	- 1.65	4.59 4.69 3.48 2.77 3.60	.92	.29 .01 .08 .00	- 2.26	4.84 3.75 3.50 5.90 3.68	1.23	1.91 1.67 1.36 1.93	1.12	30.52 26.25 27.66 38.93 24.71	9.5
INDEPENDENCE 2 LAFAYETTE 1 NE MARION EVAP STATION MENDOTA NEWPORT 2 NW	1.39 .98 2.47 3.65 El.19	•62	1.32 1.06 1.76 2.46	1.44	6.30 4.02 7.78 9.97 3.10	5.38	1.60 .85 1.61 1.60- 2.1	2.31 2.55 3.13	.64	2.63 1.52 2.01 3.09	58	3.25 2.19 1.74 2.73	2 • 63	2.12 1.93 3.66 2.48 2.87	1,90	2.92 2.94 2.33 2.00 3.25	-79	.03 .02 .05	- 2.40	3.45 3.52 3.80 4.99 4.13	2.06	1.25 1.83 1.25 1.73	1.81	28.54 23.42 31.76 39.30 E27.32	6.1
PENNINGTON GAP PILOT 1 ENE PULASKI RADFORD CLAYTOR DAM ROCKY KNOS		1.50		- 2.58	13.90 4.35 4.90 4.66 6.57	1.33	2.27 - 1.6 .84 1.36 .84 - 2.0	5 6.03 2.98 2.39	2.18 1.36	3.19 1.47 1.34	- 1.02 - 2.04	5.22 2.27 2.25	38 - 1.31	4.33 1.92	.09 1.96	1.46 3.24 3.87 3.04 4.40	· 1 • 30	.03 .01 .03		4.76 3.76 3.70			- 2.68		1.4
ST PAUL. SALTVILLE 1 N SPEEDWELL STAFFORDSVILLE 3 N TROUT DALE	2.99 3.00 .83 1.14 2.59	•89	E2.80 2.25 1.25 1.47 2.57	1.43	8.78 9.61 6.23 5.03 8.45	5.34	1.67 1.53- 1.6 .90 .91 2.21	4.85 4.86 1.98 2.89 4.00	•6B	2.34 4.22 1.43 1.48 5.78	•42	3.31 3.82 E5.94 3.40 3.14	•99	2.17 4.02 2.69 2.04 3.67	• •27	1.60 1.83 2.21 2.86 3.54	1.09	.00 .03 .00 .16	- 2.30	4.30 5.16 3.63 3.66 5.05		1.51 1.43 1.77 1.56 2.67	1.61	E36.32 41.76 E28.96 26.60 42.90	1.4
WISE 1 SE R WYTHEVILLE 1: S. DIVISION	- 1	1.60		1.25	10.78 .5.06	1.68	-1	1 1		i i	- 1.74 - 1.65	1 1	1.78	- 1	- 1.82 - 1.85	1.47 3.05	•15 •26	.03 .05	- 2.12 - 2.45	4.56 3.53 4.39			· 1.22	38.62 25.82 33.62	10.8

Table 3						_				_		_		== :		_				_	<u> </u>	_		_			_		963
		-		.			Las	t spr	ing min	imu	n of						Fi	rst fa	ll minir	num	of				]		er of		
Station					16° o belov		20° o belov		24° o belov		28° o belov		32° or belov		32° or below	1	28° o: belov		24° o belov		20° o belov		16° c		below	below	below	below	low
. •	Highest	Date	Lowest	Date	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	d d	Date	Тепр.	Date	Temp.	Date	Temp.	Date	Тепр.	l6° or be	20° or be	24° or be	28° or b	32° or below
TEDEWATER 01			-			-	~		_=_							7	-		Н		Н_		_=_			2	-7		
BACK BAY WILDLIFE RFG BOHANNON 2 SW BOYKINS CAPE HENRY WB CITY CHERITON	94 94 98 97 97	8-30+ 8-3 6-10 7-20+ 7-1	16	2-22+ 1-29 12-21 1-24 1-29	2-22 2-27 2-27 1-24 2-22	15 13 16	2-27 2-27 2-27 2-27 2-27	15 13 20	2-28 2-27 3-23 2-28 2-28	15 24 24	3-3 3-23	26 24 24	3-23 3-23 5-16 2-28 3- 7	30 29 24	12- 1 3 11- 4 3 10-14 3 12- 4 3 11-26 2	12	12- 2 10-31 12-15	27 26 27	12~15 11~ 4 12-17	19 24 22	12-15 12-15 12-20	19 18 20	12-20 12-16 NONE	15 15	296 292	291 291 296	290 291 226 292 290	274 222 290	226 151 279
CMINCOTEAGUE W L REFUGE DIAMOND SPRINGS FORT LEE FREDERICKSBURG 2 S HOG ISL LTL MACHIPONGO	93 96 97 98 97	7-19+ 7-21 8- 3 7-19 8- 5		2-22+ 2-22+ 1-29 12-22 3- 4+	2-27 2-23 2-27 2-28 3- 4	16 9 12	2-27 2-28 2-27 3- 3 3- 4	20	2-28 2-28 3-23 3-23 3-4	19 22 23	3-16 2-28 3-23 3-24 3- 4	22	5- 3	31	11- 4 2 11-26 3 10-31 2 9-25 3 12-14 3	32	10-31   10-31	26	12- 2 11-13	24	12-15 12-15	15	12-15	15	291	291	254	222	182
HOLLAND 1 E HOPEWELL LANGLEY AIR FORCE BASE NASSAWAPOX NELSONIA	96 97 95 97	7-28+ 6- 2 5-10 7-27		12-21 12-21 - 1-29 1-29	2-27 NONE	13	2-28 2-27 2-27 2-28 2-28	18 16	2-28 2-27 2-27 2-28 3- 3	18 16	3-23 3-23 2-28 3- 3 3- 4	28	4-16 3-23 3-23 3-23 3-24	25 32 32	10-31 2 10-31 3 11-4 3 11-13 3	32	11- 4	28	12- 4 - 12-15	24	12-15	18 20	12-17 - NONE	12	293	291	280	226	222
NEWPORT NEWS PRESS BLDG NORFOLK WB AIRPORT NORFOLK PAINTER 2 W QUANTICO 1 S	98 97 96 95 97	5-10 7-20+ 5-10 7-27 6-10+	14 15 15 9 6	2-22 2-23 2-22 2-17 12-31+	2-22 2-23 2-22 2-28 2-27	15 15 16	2-27 2-27 2-27 2-28 2-27	20 16	2-27 2-28 2-27 3- 3 3- 3	24 20 23	2-28 2-28 2-28 3- 8 3- 3	28   25	3- 6 3- 3 2-28 5-13 4-16	30 28 32	- 11- 4 3 12- 5 3 11- 3 2 10-31 3	32	12- 4 12-15 11- 3	28 26 28	12-15 12-19 12- 4	23 24 24	NOME 12-16	18	NONE 12-22	15	297	291	276	279 290 240	280 174
STONY CREEK SUFFOLK LAKE KILBY SUNNYBANK TANGIER ISLAND URBANNA	96 95 92 96	7-27 8- 3+ 7-27+ 7-27	10	- 12-21 1-24 1-24 1-25	2-27 2-27 2-27 2-27 2-27	15 15 16	2-27 2-27 2-28 2-27 2-27	19 16	3-22 2-28 3- 3 2-28 2-27	24 23	4-16 3-23 3- 8 3- 3 3- 3	27	5- 3 3-23 3-24 3-23 3-23	28 30 30	11- 4 3 11- 4 3 11-29 11- 4 3	30	12- 2 12-14	27	12-15 12-15	19 18	12-15 12-15	19	12-20 12-19	14	296 295	290 291	287 290	269 286	225 251
WALKERTON WARSAW 2 N WEST POINT 2 SW WILLIAMSBURG 2 N	97 99 96 97	7-27 7-27 8-19+ 5-10	5 4	12-21 12-21+ 12-21+ 12-21	2-27 2-27 2-27 2-27	16	3- 3 2-27 2-27 2-27	12	3- 3 2-27 3- 3 3- 3	22	3-24 3-15 3-24 3- 8	28 28	4-16	32 30	10-14 3 10-31 2 10-31 2 10-31 3	29	11- 4 10-31	28	12-15 12- 2	14 23	12-15 12-15	14 14	12-15 12-15	14 14	291 291	291 291	291 274	234 221	198
EASTERN PIEDMONT 02 ASHLAND 1 SW	96	8-10+		12-21	2-28		3-23				3-23	20	4-14	32	10-14 3	30	10-31	27	11-16	24	11-25	20	12-15	11	290	247	238	222	1:83
BLACKSTONE FAA AIRPORT CHASE CITY COLUMBIA CORBIN	97 98 98 96	8- 3+ 6-11 7-29+ 7-19	- 1 1	2-27+ 2-27 1-29	2-27 2-27 2-28 2-28	5 0 14	2-27 2-27 3- 3 2-28	5 20 14	2-27 2-28 3-23 3-23	23 22 23	4-16 4- 6	26 28 28	4-12 3-23 5- 3 5- 3	26 31 31	10-31 3 11- 3 3 9-25 3 9-24 3	32 32 31	11-15 10-31 11- 4	28 27 27	12- 4 11- 4 12- 2	24 24 22	12-15 12- 2 12-15	16 19 10	12-15 12-15 12-15	16 15 10	291 290 290	291 274 290	279 226 254	237 198 212	225 145 144
FARMVILLE 2 N JOHN H KERR DAM LAWRENCEVILLE LOUISA NEW CANTON	98 98 99 98 97	6-10 7-20 6-10 7-28+ 8- 3	- 5 2 1 - 8	2-27 2-27 12-21 1-29 2-27	2-27- 2-28 2-27 2-27 2-27	12 5 4	3-23 2~28 3-23 3-23 3-23	12 20 19	3-23 3-23 3-23 3-23 5- 2	19	5- 2 5- 2 4-16 3-23 5- 2	28 19	5~ 3 5~ 2 5~ 3 5~ 3	27 32 31	9-25 2 10-11 2 10- 6 2 9-24 2 9-24 2	32 32	10-31 10-31 11- 4	26 25 26	11-25 11- 4 11-13	24 24 22	12-15 12- 2 12- 2	20	12-15 12-15 12-15	14 16 14	290 291 291	290 254 254	247 226 235	182 198 226	162 156 144
PARTLOW 3 WNW POWHATAN 5 SW RICHMOND WB AP	100 99 96	7-18 8- 2 8- 3+	0	12-21+ 2-27 12-21	2-18 2-27 2-27		2-18 3-23 2-27	20 [	3-23 3-23 2-27	20		28 28 26	5- 3 5- 3 3-23	30	9-24 9-25 10-30	32	10-31	26	11- 4	24	11- 4 12- 2 12-15	19	12-15	12	291	254	226	182	145
WESTERN PIEDMONT 03			)	'			1		l			1				Ì										}			
APPOMATTOX 3 W BEDFORD CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	96 100 100 99 98	6-11 7-28 8- 4 7-29 7-28	- 1 3 2 3		2-28 2-27 2-28 2-27	8	2-28 2-27 2-28 2-28	6	2-28 3- 3 3-23 2-28 3- 3	24 22 17	5- 2 3-15 5- 2 2-28 3-23	25 26 17	5- 2 4-16 5- 2 3-23 4-16	29 26 29	10-31 3 11- 4 2 10-31 2 11-14 3 11- 4 2	27 28 31	11- 4 10-31 12- 1	27 28 27	12- 2 12- 2 12-15	21 21 15	12-15 12-15 12-15	15 13 15	12-15 12-15 12-15	15 13 15	291 290 291	291	274	234 182 276	202 182 236
CHATHAM 2 NE DANVILLE-BRIDGE ST HALIFAX 2 SSE LYNCHBURG WB AIRPORT MARTINSVILLE FILT PL	99 99 100 97 97	7-29 8- 5+ 6-11 8- 3+ 6-10	4	1-24 1-24 1-25+ 1-24	2-28 2-27 2-28 2-27 2-27	12 9	2-28 2-27 2-28 2-27 3-23	12 9	3- 3 2-27 2-28 2-27 4-16	12 9	3-23 3-23 3-23 3-23 5- 2	26	5- 2 5- 2 5- 2 4-11 5- 3	30 30 32	10-31 2 10-31 2 10-31 3 10-31 3 9-24 3	28 29	10-31 11- 4	28 28	12- 2 12- 2	23 22 24	12-15 12-15 12-14	18 16 19	12-17 12-15 12-15	16	293 290 291	291 290 290	278 277 278	222 226 236	182 182 203
PEAKS OF OTTER PHILPOT DAM Z ROCKY MOUNT STUART 1 SSE TYE RIVER 1 SE	88 97 98 100	8- 3 6-11 8- 4 8- 3	-10 0 - 2 - 1	1-24 1-25+ 1-25+ 1-24	2-27 2-28 2-28 2-27	14	5- 1 2-28 2-28 2-27	14		24	5- 1 3- 8 5- 2 3-23	24 28	5~ 2 4-16 5- 2 5- 1	32 28	11- 2 10-31 9-25 10-31	32 32	11- 4	28 26	11-25 11-25 12- 2	22 23 23	12-2	14 20 18	12-14	14 14 13	290 289 291	290 277	266	241 186	184 198 146 -
NORTHERN 04  ALEXANDRIA CITY GARAGE BERRYVILLE BIG MEADOWS CULPEPER ELKWOOD 6 SE	98 95 85 99	7-28 7-27+ 7-18 7-18 7-18	2 -11 -11 2 - 3	1-29	2-27 3-23 2-28 2-27	16	3-15 4-10 2-28 3-23	19	3-23	19 23 23	4-25 5- 2 3-23	28 25 23	5- 3 5-24 5-24 4-16 5- 3	29 32 29	11- 4 2 9-23 3 9-24 3 9-25 3 9-24 3	31 31	10-30	26	11-2	22	11-25	18	12-15	10	256 290	229	185 235	181 226	123
FALLS CHURCH 2 SW LINCOLN LURAY 5 E MANASSAS MOUNT WEATHER	97 96 97 91	- 7-18 7-18+ 7-19 7-28	- 1 - 3 - 6	1-29 1-29 1-29 1-29	2-27 2-27 2-27 2-27 2-27	9	2-27 2-27 3-23 2-27 3- 7	9 20 9	3- 3	20 24	4-16 3-25	26 26 27	5~ 3 4~10 5~24 4~11 5~ 2	31 32	9-24 9-23 9-24 10-30	31 32 32 32	11- 4 11-25 10-31 11-13 11- 2	26 28 27 21 28	11-13 12- 6 11- 4 11-13 12- 1	22 23 24 21 24	12-15 12-14 11-25 12- 2 12-14	16 14 20 18 18	12-15 12-14 12-15 12-14 12-15	16 14 10 16 9	291 290 291 290 291	291 290 247 278 282	255 282 226 255 253	225 247 198 233 206	144 166 123 - 181
PIEDMONT FIELD STATION WARRENTON 3 SE WASHINGTON WASH DC-DULLES WB AP WASH DC-STERLING WB	99 96 97 97 96	7-19 7-19 7-19 7-27+ 7-18			2-28 2-28 2-28 2-27 2-27	12 13 12	2-28 2-28 3- 3 2-27 2-27	12 18 12	3- 3 2-28 3-16 3- 3 3-15	12 24 24		25 28 27	3-23 4-11 5-24 5- 3 5-24	32	11- 4 2 11- 4 2 9-24 2 10-14 3 9-24 3	271	0-74	271	11- 4	122	111-12	120	117-16	111	1 200	1255	1792	1 44	1177 -
WASHINGTON WB NAT AP WAVERLY HILLS WINCHESTER 2 SSW WOODSTOCK	96 97 95	7-27+ 7-28+ 7-27+	2	1-29	2-27 2-27 2-27 2-27	6		6	2-27 2-27 3- 3 3-23	24	3- 3 3- 3 3-21 4-16	27 28	3-23 4-10 5-24	32	11-13 11- 4 9-25 9-23	32	11-25	28	12-15	15	12-15	15	12-15	15	291	291	291	267	168
CENTRAL MOUNTAIN 05														_		,	11- 1	اء	12		12-16	1.2	13-1-	1,	200	200	270	224	182
BALCONY FALLS BUCHANAN CATAWBA SANATORIUM COVINGTON FILT PLANT DALE ENTERPRISE	93 99 96 98 97	7-29 8-3 8-3 8-3 7-18	- 2 - 8 - 7 - 6	1-24	2-28 2-27 2-27 2-27 2-27	13		20 2 19		21 22 22	3-23 5- 2 3-23 5- 2 5- 2	27 28 26	5- 2 5- 3 5- 2 5- 3 5-24	31 32 30	9-24	27 30 31	11- 4 9-25 11- 4	27 28 26	11-25 11- 4 11-13	23 23 24	12~15 11-13 12~ 4	20 20	12-15 12-15 12-15	10 9 13	291 291 291	291 255 280	248 226 235	226 146 186	186 144 123
MOT SPRINGS LEXINGTON MONTEREY ROANOKE ROANOKE WB AIRPORT	94 97 87 98	8-3	-11 - 3 -14 - 1	2-15+ 1-24	2-28 2-27 3-15 2-27 2-27	16	3-15 3- 3 3-23 2-27 2-27	19 18 5	5- 2 3- 3	24 22 24	5- 2 5- 2 5-24 3-23 3-15	26	5- 3 5- 3 5-24 5- 2 4-16	30 28	9-24 9-24 9-23 11- 2 11- 4	32 30 28 31 28	10-31 10-31 9-23 11- 4 11- 4	28 27 28 25 28	11- 4 11- 4 9-24 11-25 12- 2	24 22 24 23 23	11-25 12- 2 11-30 12- 2 12-14	20 19 20 20 18	12- 2 12-15 12- 2 12-15 12-15	15 12 10 12 14	277 291 262 291 291	255 274 252 278 290	202 202 145 267 278	182 182 122 226 234	144 144 122 184 202

							Last	sprii	ng min	imur	n of			_			Fi	rst fa	all minin	num	of						er of		
Station					16° o		20° or below		24° or belov		28° o belov		32° o belov		32° or below		28° o belov		24° o belov		20° o belov		16° o belov		below	below	or below	below	below
	Highest	Date	Lowest	Date	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.		Temp.		Temp.		Temp.	Date	Temp.	Date	Тетр.	Date	Temp.	16° or	20° or	24°	28° or b	32° or b
STAUNTON D AND B INST TIMBERVILLE	95 97	7-19 7-18	- 6 - 7	1-25 1-29	2-28 2-27	11	2-28		3-15 3-23		5- 2 4-16		5- 2 5-24	28 31	9-24	26 29	11- 4 11- 4	26 24	12- 2 11- 4	22 24	12- 4 12-14	50 50	12-15 12-15	10 14	290 291	279 290	262 226		
SOUTHWESTERN MOUNTAIN OF							- 1																			]			Ì
BLACKSBURG 2 BRISTOL BURKES GARDEN CHILHOWIE 1 S FLOYD 2 NE	94 99 86 92 92	8- 4 8- 3 8- 3 8- 4 8- 3	-11 0 -15 -13 -10	1-24 1-28 1-24 2-27+ 1-24	2-28 2-27 2-27- 2-28- 2-27-	12	4-16	18	3-23 3-23 5- 2 5- 2 3-28	23 24 22	4-16 3-23 5-24 5- 3 5- 3	23 28 28	5- 3 5- 2 5-24 5-24 5-24	30 28 31	10-30 9-23 9-25	28 27 32	10-30 9-23 10-16	28 27 26	11- 4 - 10-15 10-31 10-15	24 19	- 10-16 10-31	20 19	- 11-25 12-15	15 6	- 271 290	183 198	166 182	221 122 166	181 122 124
GALAX RADIO WBOB GLEN LYN GRUNDY 3 NW MARION EVAP STATION PENNINGTON GAP	92 98 97 90 91	8- 3	- 7 - 9 -12 -14 -15	1-24 1-24 1-24 1-24 1-24	2-27 2-27- 2-27 2-28 2-28	1 15	3- 3 2	20	4-16 3-23 3-23 3-23 3-24	20 23 21	3-23	27 23 28	5-24 5- 3 5- 2 5- 3 5- 2	32 32	10-30 10-30 10-16	32 26 29	10-31 10-30 10-31	26 26 22	11-13 11- 3	22 22 22	12- 2 12-15 11-16	20 8 20	12-15 12-15 12-15	11 B 5	291 291 290	254 291 258	235 225 222	198 221 182	180
PULASKI ROCKY KNOB ST PAUL SALTVILLE 1 N WISE 1 SE	93 94 94 90	8- 4	- 3 -10 -10 -10 -23	1-24 1-24 1-25 1-25+ 1-24	2-27 2-28 2-27 2-28 2-27	6 6 2	2-28 3- 3 2-28	6 9 2	3-15 3-24 3-23 3-16 5- 2	22 22 23	5- 1 5- 2 4-16	27 28 28	5- 2 5- 2 5- 2	31 28 31	10-31 - 9-23 10-31 10-30	32 26	- 10-16 10-31	28 26	- 10-30 11-16	21 24	12- 4 10-31 12-15	20 20 11	12-15 11- 3 12-15	11 11	290 249 290	279 242 290	221 245	- 167 198	144 182
WYTHEVILLE 1 S	91	8- 4+	-10	1-24	2-28	14	4-16	20	4-16	20	5- 5	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

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 - 1.30	6.70	6.64	B 4.33 59	4.08 .51	_ '	=	=
	WIND MAX MIN	=	-	=	B 2183 73.1 47.5	1955 77.7 54.5	1510 86.7 64.4	92.0 66.9	1041 90.8 66.4	1464 79.6 58.8	1706 71.5 50.1	-	Ξ	=
EASTERN PIEDMONT 02														}
JOHN H. KERR DAM	EVAP DEP WIND	-	=	=	B 6.60	6.05	6.21	7.22	6.63	8 4.93	4.09	= '	=	=
WESTERN PIEDMONT 03							}			1				
CHARLOTTESVILLE 1 W	EVAP DEP WIND MAX MIN	=	11111	154B	8 5.51 1298 74.6 47.2	8 5.86 951 82.1 55.2	8 7.08 	7.20 B 636 93.3 65.9	6.04 - 90.0 64.9	47.9 - 82.9 57.1	8 3.68 - - 75.8 48.3	2.81 - - 58.0 42.1	- - - -	
PHILPOT DAM 2	EVAP DEP WIND	- -	-	=	B 5.20	B 5.02	5.30 574	5.76	5.15	- 508	3.19	=	-	
SOUTHWESTERN MOUNTAIN 06									· ·					
MARION EVAP STATION	EVAP DEP WIND MAX MIN	1521	=	2141 60.1 39.4	5.45 1794 67.3 43.1	5.44 1341 76.3 51.8	5.77 976 84.2 59.5	5.88 1027 84.5 60.4	5.33 - 946 84.8 59.9	4.41 946 78.4 53.5	3.96 965 69.5 44.2	B 1.84 	1842 -	= =

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

	NO.		Years of record	Opened or closed		o			ars of	Opened or closed	1963
Station	Index No County	Drainage t Latitude Longitude	g	turing yr. Refer to to tables	Station	Index No.  Division No.	Drainage 1 Latitude Longitude	g	Precip.	during yr	- to
ABINGOON ALEXANDRIA CITY GARAGE ALLISONIA ALTAVISTA AMISSVILLE APPOMATTOX 3 W ASHLAND 1 SW AUGUSTA SPRINGS 1 NE BACK BBAY ML REF BALCONY FALLS	0013 06 WASHINGTON 0090 06 0135 06 PULASKI 0166 03 CAMPBELL 0193 04 RAPPAHANNOCK 0243 03 APPOMATTOX 0327 02 HANOVER 0356 05 AUGUSTA 0385 01 PRINCESS ANN 0411 05 ROCKDRIDGE	13 38 48 77 05 11 36 56 80 45 15 37 06 79 18 14 38 41 78 01 9 37 22 78 53 9 37 45 77 29	2000 60 6 6 1870 12 510 18 550 20 925 2 25 220 51 51 1700 11 5 11 11 725 16 32	1 2 3 2 C 2 C 1 2 3 1 2 3 1 2 3 2 1 2 9 1 2 9	LEXINGTON LINCOLH LOUISA LURAY 9 E LYNCHBURG WB AIRPORT MANASSA MARION EVAP STATION MARTINSYLLE FILT PL MC GAMETSVILLE 2 S MEADOWS OF DAN 5 SW	4876 03 ROCKBRIDGE 4909 04 LOUDOUN 3090 02 LOUISA 3096 04 PAGE 5120 03 CAMPBELL 3213 04 PR WILLIAM 9271 06 SWYTH 3000 03 HENRY 5423 05 ROCKINGHAM 5450 05 ROCKINGHAM	9 37 47 79 26 13 39 07 77 43 17 38 02 78 00 14 38 41 78 23 9 37 20 79 12 13 38 45 77 28 8 36 50 81 31 7 36 42 79 53 16 38 21 78 44 7 36 40 80 27	1060 85 500 62 497 48 1120 22 916 92 318 16 2235 4 760 25 1090	63 48 22 92 47		1 2 3 1 3
BEDFORD BERRYVILLE BIG MEADOWS BLACKSBURG 2 BLACKSTONE FAA AP BLACKSTONE FAA AP BLACKSTONE WATER WORKS BLAND BOHANNON 2 SW BOYKINS BOYKINS	0551 03 BEDFORD 0670 04 CLARKE 0720 04 PAGE 0720 04 PAGE 0730 02 NOTTOWAY 0773 02 NOTTOWAY 0778 02 NOTTOWAY 0792 06 BLAND 0835 01 MATHEWS 0956 01 SOUTHAMPTOM 0993 02 FLUVANNA	11 37 14 80 25 12 37 04 77 57 12 37 05 78 01	975 35 49 550 12 22 3535 28 28 2040 12 12 435 18 18 423 2000 13 8 13 13 40 10 10 225 23	1 2 3 1 2 3 C 1 2 3 C 1 2 3 C 2 C 1 2 3 C 1 2 3 C	MENDOTA MONTEBELLO 3 NE MONTEBELLO FISH MRSY MONTEREY MOORES CREEK DAM MOUNT MEATHER MASSAWADOX RELSONIA NEW CANTON NEW CASTLE	9501 06 MASHINGTON 9685 03 MELSON 9690 03 MELSON 9598 05 HIGMLAND 9729 05 ROCKBRIDGE 9851 04 LOUDOUN 9931 01 ACCOMACK 6004 02 BUCK NOMAM	8 36 42 82 18 9 37 53 79 06 9 37 51 79 06 13 38 25 79 35 9 37 45 79 36 13 39 04 77 53 2 37 28 75 52 2 37 49 75 93 9 37 42 76 18 9 37 30 60 06	1350 2450 1875 2910 22 1600 1720 59 35 7 47 5 300 68	28		2 2 1 2 3 1 2 3 C 1 2 3 1 2 3 1 2 3
BRISTOL BROOKMEAL 2 NE BUCHANAN BUCKINGNAM BUCKINGNAM BUENA YISTA - BURKES GARGEN BYLLESDY CAPE MERRY WE CITY CATAMBA SANATORIUM CHARLOTTE COURT HOUSE	1037 06 MASHINGTON 1082 03 CAMPBELL 1121 05 BOTETOWRY 1136 02 BUCK INGMAM 1159 05 ROCKBRIGGE 1209 06 TAZEWELL 1255 06 CARROLL 1362 01 PRINCESS ANN 1471 05 ROAMOKE	15 37 03 78 56 9 37 32 79 41 9 37 33 78 33	1998 30 30 500 14 875 62 485 28 840 26 3300 66 68 2075 20 16 89 1890 52 52 560 17 17	1 2 3 1 2 3 2 2 2 1 2 3 2 1 2 3 C 1 2 3 C 1 2 3 1 2 3	NEWPORT 2 NW SNEWPORT NEWS PRESS BLD MORPORT WE AIRPORT MORPOLE MORTH RIVER DAM PAINTER 2 W PALHYRA 1 E PARTICUS 3 WMW PEAKS OF OTTER PEDLAR DAM	6046 06 GILES 6054 01 6139 01 PRINCESS ANNI 6144 01 6199 05 AUGUSTA 6475 01 ACCONAC 6491 02 FLUVANNA 6535 02 SPOTSYLVANIA 6570 03 BOTETOURT 6593 03 ANHERST	5 36 52 76 17 16 38 22 79 16 5 37 35 75 49	1900 25 42 26 18 10 93 2400 30 8 410 250 12 2605 5	93 33 6		2 1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 C
CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W CHASE CITY . CHASTHAM 2 NE CHERITON CHILHOWIE 1 S CHINCOTEAGUE WL REF CHURCHVILLE CLARENDON LYON PARK CLARKSVILLE	1593 03 ALBEMARLE 1598 03 ALBEMARLE 1606 02 MCCKLENBURG 1614 03 PITTSYLVANIA 1636 01 NORTHAMPION 1675 06 SMYTH 1687 01 ACCOMACK 1708 05 AUGUSTA 1729 04 ARLINGTON 1746 02 MCCKLENBURG	9 38 02 78 31 9 38 02 78 31 15 36 48 78 28 7 36 50 79 22 2 37 17 75 58 8 36 47 81 41 2 37 56 75 22 16 38 14 79 10 13 38 54 77 05 15 36 38 78 33	870 60 87 540 13 2 13 520 16 16 700 40 40 11 27 36 2000 12 12 10 2 2 1475 225 36 325 72	1 2 3 1 2 34C 1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 1 2 3 1 2 3 1 2 3 C C C	PENNINGTON GAP PHILPOT DAN 2 PHILPOT DAN 2 PHILPOT DAN 2 PHILPOT CHE POWNATAN 5 SM PULASKI QUANTICO 1 RANDOLEH RANDOLEH RANDOLEH RAPIDAN	6626 06 LEE 6692 03 NEMRY 6712 04 ORANGE 6723 06 NONTGOMERY 6906 02 AMELIA 6959 06 PULASKI 6979 01 PR. VILLIAM 7004 06 PULASKI 7005 05 CHARLOTTE 7033 09 ORANGE	6 36 45 83 03 7 36 47 80 02 17 38 13 78 07 11 37 04 80 21 9 37 29 77 58 11 37 02 80 47 13 38 30 77 19 13 36 36 37 15 36 38 78 04	1510 31 1123 11 500 16 2178 260 14 1850 3 12 63 1895 329 300	17 22 14		1 2 3 1 2 34C 1 2 3 2 1 2 3 1 2 3 C 1 2 3 2 C
CLIFTON FORGE CLINCHCO COLONIAL BEACH COLUMBIA CONCORD 5 S COOTES STORE COPPER HILL CORBIN COVINGTON COVINGTON COVINGTON FILT PLANT	1801 05 ALLEGANY 1808 06 DICKENSON 1913 01 WESTMORELAND 1929 02 GOOCHLAND 1955 03 CAMPBELL 1986 05 ROCKINGHAH 1999 06 FLOYD 2009 02 CAROLINE 2041 05 ALLEGHANY 2044 05 ALLEGHANY	9 37 49 79 50 3 37 10 82 19 13; 38 15 76 58 9 37 46 78 09 15; 37 17 76 58 16; 38 38 78 51 11; 37 05; 80 08 14; 38; 12; 77 22 9; 37 48; 80 00	1055 39 1530 13 10 1 1 0 300 61 65 650 14 1070 21 2720 22 220 5 5 1245 26 1230 3 3	DEC   12 9 1 2 3 C 2 2 C 1 2 3 C 1 2 5 C 1 2 5 C	RICHEMOND WB AP RIVESTON ROANDKE PROANDKE WB AIRPORT ROCKFISH ROCKY KNOB ROCKY MOUNT ST PAUL SALTVILLE 1 SALTVILLE 1 SALTVILLE 3 NE	7201 02 MENRICO 7254 04 WARREN 7275 05 ROANOKE 7395 05 ROANOKE 73912 03 NELSON 7390 06 FLOYD 7398 03 FRANKLIN 7492 06 WISE 7506 06 SNYTH 7864 01 ISLE OF WIGHT	9 37 30 77 20 16 38 56 78 12 15 37 16 79 56 15 37 19 79 58 9 37 48 78 45 11 36 51 80 22 15 37 00 79 54 6 36 54 82 19 8 36 3 81 46 7 9 37 01 76 37	162 26 550 907 56 1174 29 445 3075 22 1232 70 1500 4 1735 45	31		1 2 3 C 1 2 3 1 2 3 C 1 2 3 C 1 2 3 1 2 3 1 2 3 1 2 3
CRAISSYILLE CULPEDER MEAPONS LAB* DAHLGREN MEAPONS LAB* DAHLGREN MEAPONS LAB* DAHASCUS DANVILLE-BRIDGE ST DAVVILLE-BRIDGE ST DEVENDER 1 NE DEERFIELD 1 S DELAPLAME 1 NW DIAMOND SPRINGS	2064 05 AUGUSTA 2155 04 CULPEPER 2195 01 KING GEORGE 2208 05 ROCKINGHAM 2216 06 WASHINGTON 2245 03 PITISYLVANIA 2326 06 BUCHANAN 2315 05 AUGUSTA 2368 01 PRINCESS ANN	9 38 05 79 23 14 38 29 77 59 13 38 20 77 02 16 38 27 78 56 8 36 38 81 48	1600 1 1 3 475 54 56 20 44 44 1400 81 83 1950 37 410 46 73 1600 1720 37 555 25 55 55	DEC   2   1 2 3   1 2 3   1 2 3   2 2   1 2 3   2 2   1 2 3   C   C   1 2 3   C   C   C   C   C   C   C   C   C	SOMEDISET SPEIDMELL SPRIMG CREEK 2 STAFFORDSVILLE 3 M STAR TANNERY STATE FARM STAUNTON D AND B INST STONY CREEK STUART 1 SSE STUARTS DRAFT	7904 04 ORANGE 7971 06 WYTHE 9022 06 GILES 8046 04 FREDERICK 8054 02 GOOCHLAND 8062 05 AUGUSTA 8170 03 PATRICK 8170 03 PATRICK 8170 03 AUGUSTA	14 38 14 78 15 11 36 49 81 10 6 37 01 81 39 11 37 16 80 44 16 39 05 78 26 9 37 38 77 48 16 38 09 79 04 12 36 57 77 24 7 36 38 80 16 16 38 00 79 03	390 2340 2340 1825 950 180 1480 71 70 4 1455 4	15 23 28 12 25 77 4		2 2 2 2 1 2 3 1 2 3 C
DRIVER 4 ME ELKWOOD 6 5E EMPORTA 1 WHW FAIRFAX FALLS CHURCH 2 SW PARMVILLE 2 N FLOYD 2 NE FORT LEE FREDERICKSBURG 2 S FREDERICKSBURG EMBY PL	2504 01 NANSEMOND 2729 04 CULPEPER 2790 01 GREENSVILE 2890 04 FAIRFAX 2941 02 PRINCE EDWAR 3071 06 FLOYD 3127 01 PRINCE GEORG 3192 01 SPOTSYLVANIA 1397 03 SPOTSYLVANIA	2 36 53 76 29 14 38 27 77 46 10 36 41 77 33 13 38 50 77 19 13 38 51 77 12 0 1 37 20 78 23 11 36 56 80 18 E 1 37 14 77 20 14 38 18 77 28	17 21 300 23 23 60 33 15 320 15 15 450 42 44 2600 31 31 60 14 14 50 70 72	1 2 3 C - 2 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3	SUPFOLK LAKE KILBY SUMMYDAM TAMGIER SLAMO THE PLAINS 1 E TIMBERVILLE TROUT DALE - TYER 1 SE URBANNA VIENNA DUNN LORING WAKEFIELD	8192 01 NANSEMOND 8224 01 N HUMBERLAND 8323 01 ACCOMAC 8390 04 FAUGUIER 9448 05 ROCKINGHAN 8547 06 GRAYSON 8600 03 RELSON 8642 01 MIDDLESEX 8737 04 FAIRFAX 8803 01 SUSSEX	2 36 44 76 36 5 37 53 76 16 5 37 50 76 00 13 38 52 77 45 16 38 39 78 46 11 36 42 61 26 9 37 38 78 56 14 37 39 76 34 13 38 54 77 12 4 36 58 77 00	1100 21 3104	18(		1 2 3 1 2 3 1 2 3 1 2 3 2 2 C 1 2 3 1 2 3
FREE UNION GALAX RADIO WBOB GALAX MATER PLANT GLEN LYN GORDONSVILLE 3 S GOSHEN GROSECLOSE GROVETON GRUNDY 3 NW HALIFAX 1 N	3213 03 ALBEMARLE 3267 06 CARROUL 3272 06 GRAYSON 3397 06 GILES 3466 02 LOUISA 3470 05 ROCKBRIDGE 3623 06 SMYTH 3635 04 FAIRFAX 3640 06 BUCHANAN 3690 03 MALIFAX	9 38 09 76 34 11 36 40 80 55 11 36 39 80 55 17 37 22 80 52 17 38 06 78 10 9 37 59 79 30 8 36 52 81 20 13 38 46 77 06	584 9 2385 9 20 2360 1 1524 31 50 435 3 1350 24 2590 21 245 13 1100 3 13 359 33	1 2 3 C 1 2 3 C 2 2 C 2 1 2 3 2	MALKERTON MARLACTON LK DRUMMOND MARRENTOM 3 SE MARSAW 2 N MASHINGTON MASH DC-DULLES WB AP MASH DC-STERLING WB MASH DCOTON WB MAT AP MASHROTON WB MAT AP MATERFORD MAVERLY WILLS	8829 01 KING & DUEEN 8837 01 NORFOLK 8888 04 FAUGUIER 8894 01 RICHMOND 8902 04 KAPPAMANNOCK 8903 04 LOUDOUN 8905 04 LOUDOUN 8905 04 LOUDOUN 8905 04 LOUDOUN 8905 04 ARLINGTON	17 37 44 77 01 2 36 37 76 26	40 30 25 500 13 140 13 635 9 323 2 280 2 14 23 525 340 17	37 13 13 18 2	DEC	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 2 3 1 2 3 C
MALIFAX 2 SSE HAYSI HERNDON HILLSVILLE 1 S HOG 13L LTL MACHIPONGO HOLCOMBS ROCK HOLLAND 1 E HOMASCE HOPEWELL HOT SPRINGS	3695 03 HALIFAX 3663 06 DICKENSON 9929 04 FAIRFAX 3991 06 CARROLL 4031 01 MORTHAMPTON 4034 01 MANSEMOND 4044 01 MANSEMOND 4078 03 RUSSELL 4101 01 PRINCE GEORG	13 38 58 77 23 11 36 44 80 44 2 37 27 75 41 9 37 30 79 16 4 36 41 76 47 6 37 01 81 59 5 9 37 18 77 18	500 9 9 1300 2585 21 4 2 600 48 80 31 31 14 1930 71 76 2197 70 72	1 2 3 C C 1 2 3 2 1 2 3 4 C C 1 2 3 C C 1 2 3 C C C 1 2 3 C C C C C C C C C C C C C C C C C C	MEST POINT 2 SW WHITE GATERS 2 N WILLIAMSULLE 5 N WILLIAMSULLE 5 N WILLIAMSULLE 5 N WILLIAMSULLE 5 N WINGE 15 E WOODSTOCK WOOWINE 5 S WYTHEVILLE 1 5	9025 OI NEW KENT 9060 OG GILES 9151 OI YORK 9160 O5 HIGHLAND 9186 OA FREDERICK 9215 OG WISE 9203 OA SHEMANDOAH 9272 OS PATRICK 9301 OS WYTHE	17 37 31 76 50 11 37 12 80 50 9 37 18 76 42 9 38 16 79 33 13 39 12 78 10 6 36 58 82 34 16 38 52 76 30 7 36 43 80 17 11 36 56 81 05		18 2 57 9 71		1 2 3 C 1 2 3 C 2 1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 C
HUDDLESTON 2 SW HURLEY 1 SE INDEPRODENCE 2 INDIAN VALLEY JOHN H. KERR DAM JORDAN HINES KERRS CREEK 1 WSM LAFAYETTE 1 NE LANGLEY AIR FORCE BASE LAWRENCEVILLE	4148 03 BEDFORD 4185 06 BUCHANAN 4234 06 GRAYSON 4246 06 FLOYD 4414 02 MECKLENBURG 4452 05 ALLEGHANY 4565 05 ROCKBRIGGE 4076 06 MONTGOMENY 4720 01 ELIZABETH CY 4768 02 BRUNSWICK	3 37 25 82 01 11 36 38 81 10 11 36 54 80 34 15 36 36 78 17	1000 14 990 2657 11 22700 322 15 15 12 1350 13 1325 12 1360 13 10 78 127 254 18 18	2 C 2 C C C C C C C C 2 2 2 2 2 2 1 2 3 1 2 3 1 2 3 2 3				į			

<sup>1 -</sup> APPOMATTOX, 2-ATLANTIC, 3-01G SANDY, 4-BLACKWATER, 5-CHESAPEAKE, 6-CLINCH, 7-DAN, 8-HOULSTON, 9-JAMES, 10-MEHERRIN, 11-MEW, 12-NOTTOMAY, 13-DOTOMAC,

#### 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.

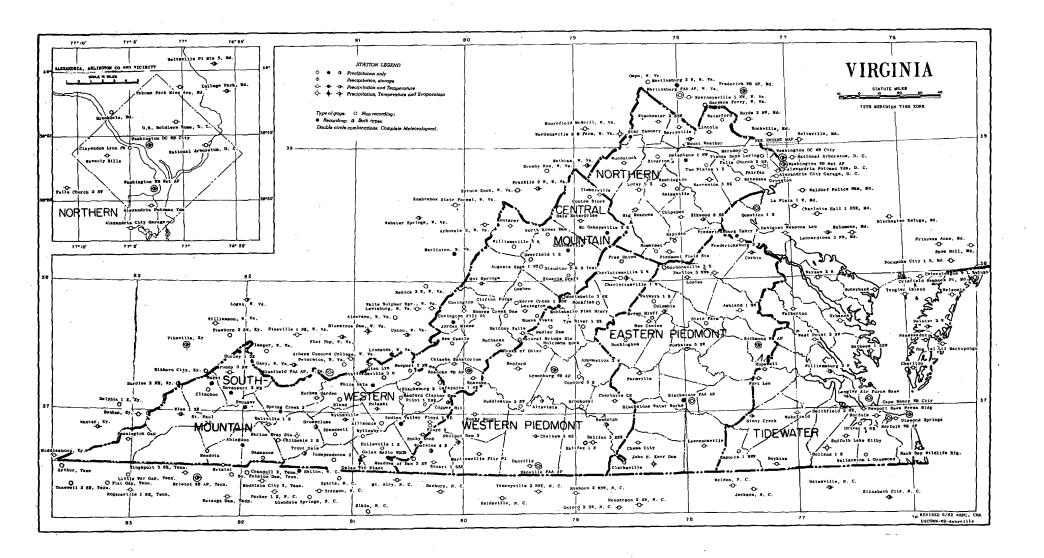
- No necond
- + Also earlier date (dates) or months.
- \* Amount included in following measurement.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a 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 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

NTW WANT		
NEW NAME	FORMER NAME	DATE - 1963
BROOKNEAL 2 NE COLONIAL BEACH CRAIGSVILLE DANVILLE-BRIDGE ST HALIFAX 2 SSE	BROOKNEAL  DAHLGREN WEAPONS LAB AUGUSTA SPRINGS 1 NE DANVILLE HALIFAX 5 ENE	April 11 December 3 September 11 August 1 January 16
WASHINGTON D C DULLES WB AP WASHINGTON D C STERLING WB WINCHESTER 1 N	WASHINGTON CHANTILLY WB AP WASHINGTON D C DULLES WB AP WINCHESTER 2 SSW	July 1 July 1 December 1
	RELOCATION AND CHANGES OF EQUIPMENT	
BERRYVILLE BLACKSBURG 2 BROOKNEAL 2 NE BUENA VISTA COLONIAL BEACH	Equipment moved 145 feet S Equipment moved 0.6 mile N Equipment moved 1.5 miles E Equipment moved 1.4 miles SSW Equipment moved 6.4 miles SE	December 10 August 8 April 11 August 1 December 3
COPPER HILL CRAIGSVILLE DANVILLE-BRIDGE ST FARMVILLE 2 N GRUNDY 3 NW	Equipment moved 0.6 mile SW Equipment moved 4.6 miles SW Equipment moved 2.1 miles SSW Equipment moved 2 miles NNE Equipment moved 0.4 mile NE	August 7 September 11 August 1 February 6 April 5
HALIFAX 2 SSE HAYSI TYE RIVER 1 SE WINCHESTER 1 N WYTHEVILLE 1 S	Equipment moved 5 miles SW Equipment moved 0.2 mile NE Temperature equipment installed Equipment moved 3 miles NNE Equipment moved 1.5 miles S	January 16 September 14 August 8 December 1 August 7



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