#### U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

## **VIRGINIA**

ANNUAL SUMMARY 1961 Volume 71 No. 13



Table 1	Jan	lary	Febr	nuary	Maz		Ar	ril OR	м	MINI MINI	<del></del>	ne	Ju			quet		mber		ober	Nove		Dece	mber	Anz	196 ual
STATION	<u> </u>	<u> </u>	rature		fure				rature	· -	in in	Τ_			├		2		<u> </u>	1	-					
	Temperature	Departure	Temperat	Departure	Temperat	Departure	Temperature	Departure	Temperat	Departure	Temperat	Departura	Temperature	Departure	Тетрегатига	Departure	Tomperatu	Departure	Temperature	Departure	Temperatu	Departure	Temperatu	Departure	Temperature	Departure
ALEXANDRIA CITY GARAGE ALEXANDRIA POTOMAC YDS APPOMATTOX 3 W ASHLAND 1 SW BACK BAY WILDLIFE RFG	28.2 31.0 31.2 37.4M		36.7 40.3 39.3 44.4		48.9 48.3 52.0M		52•4 50•9		60-1 62-7 61-8M		70.9 73.7 69.9 71.68		78.3 75.5 79.3N		76.0 78.2M 75.3 78.4		74.2 76.2 72.3		57.9 61.2 57.9		49.6 49.7 49.7 54.5M		35.3 37.0 36.3 43.0M			
BALCONY FALLS BEDFORD BERRYVILLE BIG MEADOWS BLACKSBURG 2	29.3 34.0 26.3 22.7 27.3		38.1 43.1 35.2 33.4 36.8		48.6 51.8 44.9 39.9 45.7		49.6 52.6 48.2 40.4 45.4		60.2 61.8 58.1 50.9 56.7		69.9 70.6 69.7 62.2 66.0		74.3 75.0 74.1 65.9 70.3		74.3 74.9M 74.4 64.9 70.6		71.6 70.8 62.6 66.7		55.1 58.4 57.1 50.5 52.2		48.9 51.3M 46.8 40.2 45.7		36.1 38.4 33.2 30.6M 33.6		57.0 53.2 47.0 51.4	
BLACKSTONE FAA AIRPORT BOYKINS BRISTOL BUCHANAN BURKES GARDEN	33.9 36.4 33.4 32.4 26.8	- 6.4 - 7.2	43.0 46.0 44.5 41.2	1.4	50.7 53.4 51.9 50.6 45.0		52.7 54.7 52.1M 51.1 43.3	- 5.2 - 6.3	62.9 65.1 61.3M 60.6	- 4.7 - 4.2	71.9 73.3 69.0 70.6	- 2.2 - 2.4	77.4 79.2 72.4M 74.6	- 1.4 - 1.7	76.0 77.3 73.4M	.0	72.5 74.0M 70.0M 71.6 63.5	2.7	58.9 59.7 56.6M 58.9	.7	50.9 53.5 51.3M 50.5 44.5		38.4 41.7 39.5 37.8 33.5	6; 1	57.4 59.5 56.3 56.2	<u> </u>
CAPE HENRY WB CITY CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	36.9 30.6 32.2 32.1 32.5	- 6.3 - 5.4	43.7 40.3 40.1 40.1 41.5	3-1	52.2 48.1 49.1 49.0 50.5	4.2 3.1	55.2 48.4 51.3 52.0 52.4	- 5.3 - 4.3	62.8 58.4 62.1 61.9	- 4.3 - 4.5	71.8 67.8 70.1 71.3	- 2.1	79.7 72.2 75.6M	8	77.5 71.2 74.7 75.2 75.9	7	74.8 67.8 71.0 73.0 73.0	1.4	62.0 55.3 57.1 60.3 59.7M	- 1.4	54.9	1.7	43.3 36.4 36.2 37.2 38.4	~ .8	59.6 53.6 55.7 56.6 57.2	- 1.0
CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 S	35.4 33.1 34.6 28.5	- 6.7	44.2 41.4 41.8 39.7	-8	52.2 49.8 50.6 47.1	2 • 2	54.1M 50.8 53.8 46.5	- 6.3	62.7 63.7M 62.4 60.5 56.5	~ 3.9	72.2 72.1 71.0 71.4 65.3	- 3.1	77.4 75.7 78.8 69.1	- 1.3	76.3 75.2 77.2 69.2	3	72.7 71.9 74.9 65.0	2.1	60.1 58.2 61.0 52.1	~ 1.0	51.6 51.1 53.1 47.2	3.3	40.0 38.8 41.6 35.0	6	58.3 56.6 58.3 51.8	- 1.5
CHINCOTEAGUE W L REFUG COLUMBIA CORBIN COVINGTON FILT PLANT CROZET 2 N	29.7 29.7 30.7 32.3	- 8.7	38.3 38.6 41.4	7	48.1 47.3 49.1		50.7 51.1 49.6	- 5.5	59.2	- 4.9	71.1 69.2	- 4.2	74.9 76.4 73.1	- 2.7	76.6 74.7 75.9 73.8	- 1•3	75.1 71.3M 72.6 70.3	1.7	56.6 58.0 57.3	- 1.8	51.8 48.6 49.7 49.1	1.3	39.4 34.9 35.6 36.6	- 3.5	54.9 55.6 55.0	- 2.
CULPEPER  DAHLGREN WEAPONS LAB  DALE ENTERPRISE  DANVILLE  DANVILLE  DANVILLE FAA AIRPORT	27.6 30.2 25.9 34.6 35.0	- 9.6 - 7.9 - 9.7 - 7.1	37.8 37.8 35.7 43.9 43.8	4 5 1.5	47.4 47.5 45.1 52.3 51.8	1.9	50.3 51.7 47.4 54.0 53.6	- 5.4 - 3.6 - 5.2 - 5.0	60.5 61.7 57.1M 64.4M 64.1	- 5.1 - 3.7 - 5.2 - 3.6	72.1 73.5	- 1.9 - 2.2 - 3.9	77.0	- 1.2  - 1.0  - 1.6	75.1 72.0 75.9 76.9M	•1 •3 • 1•5	72.3 68.4 72.4 73.8	2.3 .8	55.0 57.9 59.2	8 - 1.0 - 2.9	45.9 51.2 51.2		34.4 32.8 39.2M 39.1	- 2.9 - 3.0 - 1.9	52.2 57.9 58.3	- 1. - 1.
DIAMOND SPRINGS  ELKWOOD 6 SE FALLS CHURCH 2 SW FARNVILLE FLOYD 2 NE	36.8 27.7 .25.9 32.2 30.3	- 7.8	38.8M 37.1 41.8 38.3		53.5 47.7 46.7M 50.5 47.0		51.2 49.4M 52.2 47.0	- 2.5	60.4 60.4M 61.3 56.0M	- 3.6	73.1 70.5M 71.6 71.0 64.8M	- 3.0	69.3M	1.0	77.9 74.4 74.8 75.1 70.2M	8	75.2 71.7 72.7 71.3M 66.3	1.9	57.0 57.5 57.5 57.5	- 1.5	54.1 48.8 48.7M 48.9M 45.3M	•9	34.6 34.7M 37.1 35.0	- 2.1	54.8 54.6 56.3 51.8	- 1.0
FORT LEE  FREDERICKSBURG 2 S GALAX RADIO WBOB GLEN LYN GORDONSVILLE FAA AP	29.7 30.4 31.6 27.0	- 7.9	38.2 39.5 42.3	•2	50.9 47.1 47.7 50.3 47.1	1.5	50.6 47.1 50.6	- 4.6	62.9 60.3 56.7 61.5	~ 5.0	71.0 65.2 70.1	- 2,3	77.9 76.5 68.8 73.7	7	76.6 75.9 69.2 74.6	•3	72.6 65.9 71.7	3.4	57.3 52.1 57.4	- 1.z	50.7 48.6 47.1 49.6	1.2	38.5 34.4 38.9	- 3.5	57.5 55.2 56.0	- 1.!
GRUNDY 3 NW HALIFAX 5 ENE HOG ISL LTL MACHIPONGO HOLLAND 1 E HOPEWELL	32.0	- 5.7	45.4 44.1 41.8 43.8 45.6	2.8	52.7 51.7 48.5M 52.1 54.1	4.0	51.8 53.6 53.3 53.6 55.9M	- 3.6	61.6 63.8 61.3 64.2 65.6	- 2.9	70.3 72.9 70.6 72.5 73.6	- 2.8	74.7 77.5 77.8 78.6 79.6	.3	75.5 76.6 78.3 76.8 78.7	.8	73.3 71.7 74.0 74.2 75.2	2.8	57.5 59.5 61.3 59.6 61.3	- •1	50.5 52.9 53.6M 52.5 54.0	3.2	39.9 39.9 44.6 40.8 40.8	- 1.0	57.1 58.2 58.4 58.6 60.1	:
HOT SPRINGS  JOHN H KERR DAM  LANGLEY AIR FORCE BASE  LAWRENCEVILLE  LEXINGTON	33.6 34.1 34.4 30.6	- 5.5 - 7.9 - 7.2	43.9	5.0	50.3 50.9 51.6 49.7	1	53.3 53.4 53.8 50.8	- 4.2 - 3.9 - 4.3	56.2	~ 3.7 - 4.9 - 3.8	71.5 71.7 71.7	- 3.7 - 1.8	77.6 78.3 78.3 78.3	6	71.0 76.3 76.6 76.8 74.7	- 1-2	73.2 74.3 73.5 70.5	1.6	57.9	- 2.4	45.8 50.9 51.7 52.4 49.0	- 3	33.3 39.6 40.8 39.0 36.0	- 1.7 - 1.6	51.8 57.5 58.0 58.1 55.3	- 1.0
LINCOLN  LOUISA LURAY 5 £ LYNCHBURG WB AIRPORT MANASSAS	29.3 29.3 28.3 32.4 27.5M	- 6.8	37.2 39.4 37.7 40.4 37.4M	1-2	46.7 48.7 46.6 49.3 47.8M		50.1 51.4 49.1 50.8 51.8M	- 4.5	59.8M 60.6 58.9 61.2 61.8	- 5.6		- 1.7	76.9 76.1 73.4 75.4 77.2M	6	76.1 75.1 72.9 74.9 76.4M	•0	73.5M 71.6 70.3 71.2 74.6M	2.4	58.7M 57.3 57.2 58.4 58.7M		48.9M 48.5 47.7 49.6 51.2M		35.6 35.3 37.5 35.9M	- 1.8	55.3 55.5 53.9 56.0 56.1	- 1-1
MARION EVAP STATION  MARTINSVILLE FILT PL  MATHEWS 1 SSW  MONTEREY  MOUNT WEATHER	29.8 31.5 33.0 21.5 25.9	- 4.7	39.8 41.4 42.5 33.8 34.8M	4-1	50.0 50.2 40.2 42.9	4.2	45.7 50.4 53.4 42.3 46.4	- 2.1	55.6 60.6 62.9 51.7M 56.6	- 3.3	69.9 72.1 61.5	3	73.7 78.8M 65.8 72.6	.1	74.2 76.4 65.5 71.9	.9	66.3 69.5 74.5 63.2	4.6	52.1 55.6 59.5 51.0 56.4	2.6	48.8 49.9 51.2 41.3 44.6	2.5	34.0 37.3 39.5 29.3 31.7	- •1	52.0 55.3 57.8 47.3 51.7	
NASSAWADOX NELSONIA NEW CANTON NEWPORT NEWS PRESS BLD NORFOLK WB AIRPORT	32.4	- 7.5 - 6.5	40.7 M 41.5 45.5	1-8	49.6 49.0 50.7 53.8 53.1	3.9	53.5 52.9 52.0 56.4 55.5	- 4.1	62.0 M	- 3.8	71.0	- 2.2	78.8 75.1 81.6 80.6	8 3.1	77.0 76.3M 75.0 79.4	.7	74+5		57.7 62.5	2	52.4 M 50.2 55.9 53.2	2 • 7	37.3 43.5 41.5	- 1.6	56.2 61.2	- 3.
NORFOLK  PAINTER 2 W PARTLOW 3 WNW PEAKS OF OTTER PENNINGTON GAP	33.5 28.9 25.8	- 8-1	47.1 42.0 38.7 37.5M		55.2 49.1 48.2 44.0		57.8 53.6 46.0	i	66.3 62.2 61.1M 56.2		74.4		78.5 76.6M 70.2M		78.6 76.8 75.2 68.5M		76.5 74.6 72.0 65.4M 67.1		63.7 60.0 56.7 53.4M 52.6		55.6 51.5 48.4 45.2M	2.7	39.8 M 34.9 36.2	- 1.0	57•7 51•0	- 2.
PHILPOT DAM 2 PIEDMONT FIELD STATION POWHATAN 5 SW PULASKI	31.5M		37.5 41.3 39.8		46.9 46.9 50.0 47.3		48.0 47.8 50.2 51.3 47.2	- 6.0	57.9 60.1 61.6 57.7	- 5.5	70.2 71.1 66.4		74.4 75.7 76.4M 71.4		74.3 76.6M 72.0		71 • 2 72 • 4 M 68 • 4		58+1 57+2M 54+0		48.9 49.6 47.9		37.6 35.5 37.4 36.8		54.9	
QUANTICO 1 5 RICHMOND WB AP ROANOKE ROANOKE WB AIRPORT ROCKY KNOB	28.8 33.5 33.1 33.2 31.1M	- 8.1 - 4.8 - 6.2 - 4.7	42.2	2.5	47.1 50.8 50.4 50.1 45.5	3.3	50.4 53.0 51.5 51.0 45.5M	- 4.5	63.6		72.8 71.1 71.3		78.5 74.9M 76.6	- 1.5 - 7	74.7 75.6 68.6	2 1.3	73.6 73.5 70.7 71.9 64.9M	2.0	59.5 58.1 57.4 58.3 53.0M	- 1.0	51.0 50.1 50.0 49.3 45.7M	2.9	37.3 37.1 37.9 37.2 35.0	- 2.4 - 1.1 - 1.8	56.0 57.5 56.3 56.4	- :
ROCKY MOUNT , ST PAUL SALTVILLE 1 N STAUNTON D AND B INST STONY CREEK	32.5 31.7 29.5 29.2 34.7	- 6.9 - 7.7 - 7.0	44.8	2.6	50.9 52.0 48.3 46.4 52.7	3.9	50.6 50.8 47.7 48.9 53.3	- 5.3 - 6.9 - 4.2	58.5M 61.2 58.6 57.9 63.6	~ 5.6	71.3 69.9 67.2 68.4 72.3	- 4.8	72.7 72.0 73.6 78.1		72.3 73.8 72.0 72.8 76.5	- 1.5	71.3M 70.1 68.8 70.1 72.7	3.2 .9 3.3	55.0 55.1 56.9 58.7	- 1.9	47.4 48.3 47.6 51.8		37.6 35.3 35.7 39.5	- 1.5 7	55.6 53.6 53.7 58.2	- 1.
STUART I SSE SUFFOLK LAKE KILBY SUNNYBANK TANGIER ISLAND TIMBERVILLE	34.5 35.4 32.8 33.0M 26.8		43.6 44.5 40.3 40.3 37.0		51.0 52.4 48.5 49.2 46.0		51.5 54.2 53.1		62.3 64.5 62.7		71.3 72.5 72.5 69.2		75.2 79.6 78.7 M		74.9 77.7 77.0 78.8 73.0		70.9 74.6 74.7 76.0 70.0		59.0 59.9 60.0 62.3 55.9		50.2 52.5 52.1 52.8 47.3		41.0 39.3 40.0 33.7		59.1 57.7 53.2	
URBANNA WAKEFIELD WALKERTON WARRENTON 5 NE	33.6M M 31.4 27.8		42.2M 43.6M 41.9 36.3		51.0 52.6M 49.8 46.0		53.6 53.9M 52.9 49.2M		62.5 59.6		72.9 72.1 70.21		78.1 77.6 75.4M 78.1		77.2M 76.4 74.1 76.7		74.9 73.0 73.2 72.6 74.2		59.2 58.9 58.2M 59.7		52.2 53.1 50.6 48.5 51.7		39.3 40.1 36.9 33.5M		58.2 57.0 54.3 57.4	
WARSAW 2 N WASHINGTON WASHINGTON WB NAT AP WAVERLY HILLS WEST POINT 2 SW	31.8 26.5 29.8 30.5 32.5	- 6.4	39.6	1.2	49.5 44.7 47.6 47.9 51.3	2.3	51.5 48.2 52.0 51.5 53.8	- 2.4	62.8 58.7 62.2 61.4 63.6	- 2.5	72.4	2	73.9 78.6 76.9 78.0	1.3	73.2 77.6 75.6 76.6	2.2	71.5 74.8 73.8 73.7	5.2	56.3 59.5 59.2 59.1	1.3	47.7 50.2 M	2.5	33.3 36.4 35.8 37.9	- 1.6	53.2 56.7	
WILLIAMSBURG 2 N WINCHESTER 2 SSW WISE 1 SE	34.4 28.6 27.9	- 6.8	43.4 37.4 42.0	1.3	51.3 46.5 47.8	2.9	54.5 49.7 46.2	- 4.1	63.6 59.9 56.2	- 4.4 Referen	72.3 71.1 64.3	- 1.2	78.3	on ind	77.0 75.8 68.1	1.4	74.3 72.3 65.4	4.3	60.2 59.1 52.7	1.6	52.0 47.9 46.6	1.9	39.5 34.2 36.1	- 2.0	58.4	- •

	Jan	uary	Feb	ruary	Mai	ch	A <sub>1</sub>	oril	М	ay	Ju	пе	]1	ıly	Au	gust	Septe	mber	Oct	ober	Nove	шрет	Dece	mber	Ant	nal
STATION	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Doparture	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
DDSTOCK THEVILLE		- 7.9 - 7.9			46.5	2.1 3.6	49.5 45.9	- 4.9 - 7.1	59.2M 57.0	- 4.9 - 4.6	69.3N 65.3	- 2.5 - 3.9	74.0 69.7	- 1.6 - 2.4			70.9 67.1		57.3 53.2		47.6 46.8	1.8		- 1.5	52.1	- :
ISIONAL AVERAGES				  -  -												1		1		}						,
DEWATER STERN PIEDMONT		- 6.9 - 7.8	42.7 40.8		50.9					- 3.4 - 4.0			78.8 76.6		77.3		74.4		60.3		52.5		40.3			-
TERN PEIDMONT	33.0	- 6.5 - 7.4	41,4	1.2	49.9	2.9	51.2	- 5.5	61.B	- 4.2	71.2	- 2.5	75.6	- 1.2	75.1	I - 12	71.3	1.9	58+1	~ 1.1	50-2	2 - 3	37.8	- 1.5	56.4	
NTRAL MOUNTAIN			38.8		47.5			- 4.8			68.6		72.9		72.8		69.2		56.0		47.7			- 1.2		-
UTHWESTERN MOUNTAIN	29.9	- 6.4	40.3	3.5	48.2	4.9	47.5	- 5.4	57.9	- 4.1	66.5	- 3.0	70.5	- 1.8	70.9	4	67.5	1.9	53.6	~ 1.8	47.5	4.0	36.1	.1	53.0	-

A narrative Special Weather Summary appeared in the January, February, April, May, July, September and October issues of this publication for 1961.

#### TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

TABLE 2	10	IAL	Ph	ECI	PIII	ATIC	)N	ANL	ע (	EPA.	KIL	) KE:	11 6	MOM	LC	MG	-1E	'KM	MI	AIN	<u>ت</u>		_		1961
i	January	Febr	uary	Ma	rch	Ap	ril	Me	у	Jur	18	Ju	ly	Augu	ıst	Septe	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	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departura
ABINGDON ALEXANDRIA CITY GARAGE ALEXANDRIA POTOMAC YDS ALLISONIA ALTAVISTA	2.97 E3.05 3.28 1.44 2.04	6.05 E5.33 4.49 3.73 6.18	-	4.17 E43.94 4.10 3.07 3.46		3.41 E4.15 4.15 2.55 4.54		2.79 2.45 2.98 4.67 2.85		3.99 5.71 5.06 3.59 5.36		3.69 E3.60 3.60 1.99 1.29		2.69 6.05 5.56 4.50 7.14	1	1.02 1.59 1.17 .95 3.60		2.68 2.84 2.74 3.11 3.40		2.71 2.00 E2.00 3.44 2.78		7.10 3.34 E3.34 4.19 5.34		43.27 E43.94 E42.47 37.23 47.98	
AMISSVILLE APPOMATION 3 W ASHLAND 1 SW AUGUSTA SPRINGS 1 NE BACK BAY WILDLIFE RFG	2.81 2.06 E2.55 1.84 3.47	4.72 6.61 5.27 3.66 5.82		2.99 3.50 3.63 3.10 E3.93		4.78 4.74 3.60 3.52 3.41		4.86 4.39 5.62 2.83 4.65		5.48 5.06 8.51 1.85 5.15		6.15 3.02 1.76 3.27 4.62		3.06 4.84 4.28 1.51 5.19	1	2.65 3.16 1.71 2.27 3.53		1.60 5.20 6.85 6.19 6.23		2.37 1.96 2.05 2.62 2.11		2.56 6.02 E5.30 E4.72 3.33		44.03 50.56 E51.13 E37.38 E51.44	
BALCONY FALLS BEDFORD BERRYVILLE BIG KNOB BIG MEADOWS	1.78 -1.8 1.77 -1.8 2.62 3.14 E2.87		1.83 2.78	3.47 4.16 3.73 4.21 3.62	53 02	5.30 3.82 3.87 2.87 6.38	1.76	2.67 1.73 3.18 3.13 4.66	-1.03 -2.52	4.09 6.92 4.12 7.37 4.46	•50 2•33	3.83 3.77 3.06 5.91 3.00	78	3.45 6.10 2.29 3.13 6.99	-1.46 .59	2.68	1.81	4.51 4.12 2.05 2.07 4.55	1.37 1.15	3.12 3.50 3.47 3.00 3.29	•00	4.07 4.84 3.74 E6.94 3.48	.73 1:25	E46.23 49.67 37.63 E48.82 E51.27	3.04
BIG STONE GAP BLACKSBURG 2 BLACKSTONE FAA AIRPORT BLAND BOYKINS	3.34 1.96 1.61 1.79 2.38	6.67 4.69 5.94 3.78 3.88		5.01 4.15 4.60 3.28 4.02		5.58 2.91 2.19 2.33 3.09		3.45 2.92 3.49 2.70 5.30		5.39 4.74 7.43 3.64 9.19		5.96 2.19 1.48 3.00 3.41		2.21 4.39 6.23 3.20 4.08		2.58 1.10 2.60 1.30 3.78		3.13 3.74 4.17 3.35 3.29		2.53 2.90 1.37 2.30		6.98 5.86 4.89 4.50 4.36		52.83 41.55 46.20 35.17 47.63	
BREMO BLUFF BRISTOL BRISTOL TVA BROOKNEAL BUCHANAN	2.52 2.66 1.85 3.18 1.72 -1.7	5.10 6.16 6.75 E5.66 4.07	1.32	3.48 5.18 4.91 4.61 3.28		4.38 4.13 3.47 5.05 3.95	•68	4.89 2.98 3.11 2.95 3.02	-1-12	3.47 7.49 6.73 7.24 4.56	•06	2.71 3.74 3.03 2.84 2.77	-1.84	7.44 2.71 2.67 7.60 6.29	1.26	1.47 2.76 E1.74 1.76 3.16	36	8.94 3.33 3.73 3.17 4.58	1.28	2.18 2.26 3.00 2.58 4.01		5.31 E7.08 6.93 4.92 4.73	1.43	51.89 E50.48 E47.92 E51.56 46.14	
BUCKINGHAM BUENA VISTA BURKES GARDEN BYLLESBY CAPE HENRY WB CITY	2.22 1.82 2.34 -1.5 2.33 2.93	5.77 4.12 9 6.01 4.05 6.14	2.51	3.22 3.65 3.61 3.26 3.42	87	4.33 4.90 3.17 3.79 2.94	14	4.63 3.01 4.56 4.43 5.96	•51	4.06 4.26 5.29 6.57 6.53	1.16	3.69 3.02 6.18 2.34 1.44	1.22	6.31 1.46 4.71 5.59 3.50	.36	3.93 3.78 1.12 2.04 1.26	-1.91	7.33 7.59 4.39 3.16 4.69	2+08	1.90 3.30 2.33 4.56 1.61	- •63	5.94 5.43 5.48 5.47 3.68	2.11	53.33 46.34 49.19 47.59 44.10	<b>4.8</b> 1
CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W CHASE CITY	1.84 -1.4 2.18 2.29 -1.1 2.43 1.97	5.33	1.67 2.35	3.53 4.01 3.12 3.30 4.93	88	4 • 23 3 • 87 5 • 52 3 • 62 2 • 70	.97 1.81	3.00 4.41 4.05 4.14 4.41	-1.09 .02	5.87 10.39 3.41 2.97 6.57	1.64 72	2.96 1.16 3.43 3.61 2.21	-2.12	7.18 6.37 10.49 9.98 5.40	2.44 5.64	3.15 2.27 2.52 2.10 1.45	- ·16	4.33 2.57 9.27 8.78 2.01	1 • 2 9 5 • 9 8	3.64 2.04 2.16 2.65 1.55	.98 97	5.48 4.30 4.11 5.01	2.26 .73	50.08 55.55 52.82 43.06	6.70 9.06
CHATHAM 2 NE CHERITON CHILHOWIE 1 S CHINCOTEAGUE W L REFUG CLARENDON LYON PARK	3.006 3.71 2.12 - 2.815	5.06	2.66	5.64 4.31 3.66 3.91		4.66 3.10 3.34 - 4.71	1.21	2.85 6.53 4.43 - 3.16	90 -1.40	6.78 2.47 5.10 - 3.63	2.92	2.06 .80 4.44 4.06		7.61 3.21 4.11 2.46 6.70	3.06	2.79 1.19 2.99 3.19 1.46	-1.25 -2.28	2.01 4.94 3.55 4.75 2.90	71	2.47 1.43 2.77 1.90 E2.42	49	5.96 5.05 6.83 5.98 3.35	2.67	51.37 41.80 48.67 E44.08	7.78
CLARKSVILLE CLEVELAND CLIFTON FORGE CLINCHCO CLINCHPORT	E1.43 -2.3 2.96 2.13 -1.0 3.26 3.19	5.24	1.38	5.04 3.63 3.50 4.01 4.65		2.36 3.05 4.21 3.89 4.47	~1.37 1.29	4.84 3.88 3.17 4.16 2.34	1.22	6.99 4.55 7.99 5.37 3.99	2.68 4.14	2.95 5.76 1.35 7.86 6.07	-2.61	8.76 3.77 4.62 2.76 1.93	3.27	1.03 1.29 2.94 1.53 3.44	-2.88 15	1.59 3.63 6.46 3.22 2.76	-1.02 3.64	1.69 3.49 3.04 2.38 2.28	-1.48	5.23 5.53 4.32 4.76 6.68	2.23 1.26	E46.45 46.78 47.62 47.47 48.67	•64 6•79
COLUMBIA CONCORD 5 S COOTES STORE COPPER HILL CORBIN	2.18 -1.2 2.21 2.41 3.24 2.28	8 5.08 6.16 3.55 5.56 6.31	2.57	3.19 4.00 2.74 4.02 4.19		4.02 4.90 4.25 5.17 3.96	04.	5.62 3.38 2.76 4.72 4.17	1.74	3.29 5.37 3.97 4.24 2.93	05	3.81 2.36 3.53 3.73 2.43		3.35 5.26 5.79 5.82 4.74	-1.04	5.08 2.98 3.20 1.74 1.33	1-42	10.76 4.99 2.44 3.34 3.51	7.89	1.92 2.31 2.49 3.64 2.08	84	5.35 5.36 3.72 4.79 4.62	2.41	53,65 49,28 40,85 50,01 42,55	12.02
COVINGTON COVINGTON FILT PLANT CROZET 2 N CULPEPER DAHLGREN WEAPONS LAB	1.45 1.38 2.59 2.685 E3.66 .2		1.91 2.14		.85	3.23 3.14 4.36 3.58	.68 .42	2.86 2.86 	- •70 •49	6.70 7.18 3.98	.29	2.12 2.31 4.32		4.79 4.80 4.71	•23	1.97 2.08 - 1.61	-1.92	6.28 6.22 - 2.72	36	2.52 2.35 - 2.13	-1.04	4.16 4.01 3.14	•20	42,43 43.00 E41.77	83
DALE ENTERPRISE DAMASCUS DANVILLE DANVILLE FAA AIRPORT DEERFIELD 1 5	1.458 2.41 -1.4 2.907 2.29 E2.08	8 5.56	.61 1.86 1.69	3.93	1.52	3.30 3.95 4.90 2.84 4.46	•86 •69 1•50	3.15 3.86 3.10 4.09 3.59	84 43 -1.25	2.55 5.81 8.15 5.91 4.18	-1.38 1.55 4.31	3.01 3.51 2.71 2.83 4.53	~2.55 ~1.89	5.34 8.68 6.68 3.63 5.38	.95 4.28 2.51	3.74 1.39 .97 1.35 2.74	.70 -1.40 -3.01	3.84 3.84 1.38 1.97 6.95	1.15 1.66 -1.36	2.02 2.54 2.03 1.98 E2.62	21 96	3.15 7.42 5.60 4.84 4.72	.80 4.23 2.36	52.90	4.64
DIAMOND SPRINGS DRIVER 4 NE DUNBAR DUNGANNON ELKNOOD 6 SE	3.80 .0 E2.90 5.71 3.14 2.78	6 E5.31 5.19 7.91 6.10 4.97	2.02	3.41 3.64 6.80 3.92 3.94	- ••0	2.79 2.68 4.38 3.65 3.87	57	7.09 7.86 3.82 2.89 4.00	3.49	6.99 8.31 2.22 3.99 2.83	3.17	1.78 1.78 6.46 7.10		6.24 6.43 3.97 3.42 3.23	34	2.08 4.47 2.55 1.30 1.02	-2.14	4.59 4.00 3.61 2.48 2.95	2.00	1.54 1.82 5.40 2.92 2.53	1	3.85 4.39 6.65 5.64 3.77	.95	E49.63 E53.47 59.48 46.55 40.15	ĺ
EMPORIA 1 WNW FAIRFAX FALLS CHURCH 2 SW FARMVILLE FLOYD 2 NE	2.19 -1.1 2.56 2.08 2.49 -1.5 3.00	4.65		3.45	1.12	2.71 4.40 4.64 3.08 4.93	64	7.70 E3.17 2.98 5.21 5.10	3.70	5.85 5.33 6.49 8.84 2.67	1.57	3.15 3.76 3.53 3.44 2.40	-1.65	8 • 82 5 • 61 6 • 48 7 • 25 7 • 65	2.53	2.25 2.19 3.21 3.31 1.63	-1.69	4.88 3.27 2.99 5.45 3.24	2.50	E2.41 2.33	-1.26	4.51 E3.01	2.62	E45.31	11.56
FORT LEE FREDERICKSBURG 2 S FREE UNION GALAX RADIO WBOS GLEN LYN	3.18 3.131 2.11 2.38 1.48 -1.4	4.40	3.55	2.65	.70	1.78 3.85 5.14 2.45 3.25	.70	3.94	09	4.87 2.05 5.04 6.47 4.77	1.02	2.52		3.32 4.30 10.42 4.91 3.75	55 26	2.26 .92 4.25 1.31 1.51	-2.50 87	6.47 3.37	- •24 2•72	1.44 2.13 2.32 3.89 2.89	İ	4.26 E5.90	1.40	53.52 E49.58	-1.68
GORDONSVILLE FAA AP GORDONSVILLE 3 S GOSHEN GROSECLOSE GROVETON	2.35 1.65 2.92 2.49	5.00 - 3.63 4.79 4.74		3.64 3.46 3.77		4.72 3.47 3.82		4.26 6.02 2.96		3.95 5.55 3.47		2.93 4.34 4.33 5.91		5.54 5.55 4.18 5.78		1.90 2.35 1.31 2.01		6.17 3.48 2.94		1.84 2.79 3.73 1.95	i	4.27 4.24 6.52 3.30		47.29 49.76 43.14	d .
GRUNDY 3 NW HALIFAX 1 N HALIFAX 5 ENE HIGH KNOB HILLSVILLE 1 5	2.61 2.23 -1.2 2.27 3.37 2.39	3.98 5.01 4.84 5.28 4.96	2,14	3.81 4.28 4.13 4.60 4.12	}	4.92 4.74 4.23 3.87 4.54	1.32	3.89 3.84 2.57 3.32 4.56	- •12	3.41 6.78 7.38 5.11 4.55	2.48	2.72 1.66 1.35 8.24 3.54	-3.49	2.67 6.36 6.31 3.36 4.48	1.93	1.58 2.36 2.09 1.95 1.14	-1.39	3.50 2.35 2.41 3.13 E2.72	39	2.45 1.79 1.62 3.19 3.83	-1.33	4.38 5.92 5.59 6.21 6.01	2.76	45.92 47.32 44.79 51.63 E46.84	3.02
HOG ISL LTL MACHIPONGO HOLCOMBS ROCK HOLLAND 1 E HOLSTON HONAKER	E4.22 1.73 3.41 2.14 2.47	4.40 5.43 4.44 5.80 4.90		64.74 3.63 3.25 3.48 3.88		E2.52 4.72 2.59 3.04 2.86		E6.91 2.44 8.38 3.19 3.15		7.35 E5.29 10.61 3.85 4.62		6.43 4.66 3.42 6.10 8.30		4.20 4.66 7.32 1.99 3.03		2.86 7.63 4.09 .87 1.59		2.25 4.22 5.55 3.70 3.43	!	. 2.67 3.46 2.32 2.65 2.99		6.15 5.18 3.59 5.77 4.97		E54.70 E53.05 58.97 42.58 46.19	
HONAKER 4 NW HOPEWELL HOT SPRINGS HUDDLESTON 2 SW INDEPENDENCE 2	2.84 4.08 .8 1.61 -1.4 2.06 E2.62		1.33	4.07 4.09 3.76 3.98 3.03	23	2.59 2.38 5.19 4.73 3.46		3.35 5.71 3.98 2.01 6.71	1.70	4.82 4.94 6.59 5.58 5.52	•53 2•34	8 · 8 5 3 · 4 9 5 · 2 9 2 · 3 8 4 · 3 5	1.08	3.71 6.01 4.67 3.80 4.31	.95 10		36	3.47 8.79 6.32 3.51 3.60	6.24 3.43	2.41 1.46 2.29 3.56 5.44	-1.27 63				12.23 9.86
JEWELL RIDGE JOHN H KERR DAM JONESVILLE 2 SSE LAFAYETTE 1 NE LANGLEY AIR FORCE BASE	2.35 2.44 3.26 1.77 3.150	4.57 4.55 6.39 4.08 4.08		3.57 3.64 4.65 3.64 4.30		2.99 3.65 4.02 3.53 1.84	-1.15	3.95 3.96 3.46 3.86 8.20	4.65	5.11 7.46 4.33 5.16 5.10	1.93	6 • 26 2 • 31 6 • 98 2 • 45 1 • 23		2.61 5.16 2.00 4.02 4.84	21	1.54 1.04 1.61 .78 1.73	-2+35	4.07 1.79 2.88 3.83 5.40	2.94	3.19 1.59 2.61 4.63 1.44		4.70 5.21 6.98 5.28 4.45		44.91 42.80 49.17 43.03 46.58	
LAWRENCEVILLE LEXINGTON LINCOLN LOUISA LOVES MILL	1.40 1.81 -1.4 2.892 2.67 2.17		1.07		- •07		.68 .57	7.25 2.66			.38 2.58	1.70 2.36 2.26 3.90 4.07	-1.79 -1.69		-1.26 -1.39		- +85	4.50 5.12 1.82 8.08 3.57	-1.67		91		1.83		7.12 -1.25

TABLE 2 - CONTINUED	T	uary	Fal	nary	Mau			oril	м		Ju		1		A		Sanda	mber	Octo	her	Nove	mber	Decen	nher	Ann	1961
	<u> </u>	uary	┼	nuary .			A <sub>r</sub>	orni 		Д		ne	Ju 8	ıy	Aug	just .		ander .			Nove	mber	Becen	uper	<del></del>	
Station	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitati	Departure	Precipitati	Departure	Precipitation	Departure
LURAY 5 E LYNCHBURG WB AIRPORT MANASSAS MARION MARION EVAP STATION	2.98 1.06 1.91 2.14 2.14	-2.37	5.77 5.23 3.34 4.76 4.31	2.75	2-19 4-15 3-39 3-48 3-82	•58	5.41 2.72 3.05 3.05 2.91	41	3.75 4.04 3.92		4.19 6.12 2.42 6.71 5.80	2.24	3.39 2.28 4.03 4.58 5.01	-1.87	7.02 4.12 4.05 6.14 6.12	23	1.88 4.05 1.50 1.12 1.83	.95	2.87 4.55 2.82 4.07 4.30	1.68	2.46 2.14 2.94 2.97	-09	3.82 4.89 2.94 6.62 6.36	1.74	45.68 44.69 35.34 49.65 49.51	5.12
MARTINSVILLE FILT PL MATHEMS 1 SSW MEADOWS OF DAN 5 SW MENDOTA MONTEBELLO 3 NE	2.75 E2.92 4.13 3.15 2.12	-1.15	5.01 E5.47 5.04 6.45 5.81	2.74	5.99 4.61 5.94 4.00 2.39	- +69	3.74 2.36 5.39 3.41 4.96	11	2.51 6.78 5.32 2.20 4.53	-1.70	6.11 3.06 10.14 5.08 4.50	1.48	2.84 3.82 5.16 4.18 2.28		5.06 3.66 9.59 2.85 5.01		1.91 1.36 .65 5.36	-2.06	1.33 6.21 1.35 3.51 8.81	1.15	3.89 1.59 5.24 2.89 4.46	.07	6.03 5.79 6.07 7.26 4.65	3.80	46.08 E48.18 64.73 45.63 54.88	.70
MONTEREY MOORES CREEK DAM MOUNT WEATHER NASSAWADOX NATURAL BRIDGE STATION	1.73 E1.63 2.87 4.33 1.61	.18	5.03 3.72 E4.55 6.13 5.11	2.29	3.46 2.77 3.96 4.95 3.97	•77	4.14 3.60 4.23 3.20 4.55	•91	3.51 3.14 4.66 7.14 3.65	•40	5.55 E5.36 6.37 6.70 3.65	2.86	2.91 1.70 3.76 3.64 2.87	•25	4.46 4.44 2.74 1.20 3.31	-1.93	3.30 3.12 2.10 1.18 5.35	-1.76	5.55 5.50 2.65 4.72 5.22	~1÷07	2.35 3.94 3.24 1.49 3.42		4.37 6.20 3.25 5.79 4.74	•63	46.36 E45.12 E44.38 50.47 47.45	3.82
NELSONIA NEW CANTON NEW CASTLE NEWPORT 2 NW NEWPORT NEWS PRESS BLD	2.73 1.80 1.00 E3.15	Ĺ	5.44 3.46 4.48 4.92	2.68	4.97 3.88 3.15 2.75 4.30	•05	3.09 3.65 3.08 2.65	•01	- 4.91 2.86 E3.00 7.58	1.11	3.52 4.23 4.22 6.27	•17	2.72 1.14 E3.03 1.58	-2.00	3.03 7.82 6.89 4.88 5.54	3.25	1.67 1.25 1.98 2.42		9.72 3.78 3.40 4.97	6.84	2.36 3.02 2.81 El.98	63	5.86 4.68 4.20 4.56	2.53	54.28 39.34 E38.40 E49.17	11.06
NORFOLK WB AIRPORT NORFOLK NORTH BRISTOL SUBSTA NORTH RIVER DAM OLINGER	3.52 E3.19 2.66 2.94	.15	4.56 5.95 6.09 4.37 6.91	1.50 2.10	3.59 3.94 4.32 3.27 5.55	13	2.74 2.59 3.72 3.76 5.37	42	7.77 5.47 3.05 3.79	4.32	6.70 6.70 7.04 5.89 6.74	2.54	1.69 1.04 3.23 2.66 6.43	-4.36 -2.69	7.42 5.43 2.78 3.44 2.71	2.34	1.62 1.72 2.10 3.55 4.07	-13	4.12 3.38 3.18 5.03 2.96	1.67	1.20 1.37 3.00 2.11 2.81		3.74 3.72 6.93 4.26 7.87	1.53	48.67 E44.50 48.10 45.07 58.30	5.41 2.90
PAINTER 2 W PALMYRA 1 E PARTLOW 3 WNW PEAKS OF OTTER PEDLAR DAM	E4.10 2.13 E2.16 1.97 1.75		6.03 4.91 4.90 4.99 E5.76		3.69 3.26 2.55 4.37 3.79		3.02 4.81 E3.61 4.17 4.43		6.40 4.57 4.90 3.67 3.16	.	3.90 4.68 3.75 6.44 6.11		4.07 4.25 4.00 4.11 5.90		1.72 6.25 8.15 6.28 3.88		1.01 1.24 2.35 3.80 5.07		5.25 12.47 4.15 4.95 6.34		1.46 2.16 1.55 5.94		5.40 4.79 E5.07 5.57 4.87		E46.05 55.52 E47.14 56.26 E55.00	
PENNINGTON GAP PHILPOT DAM 2 PIEDMONT FIELD STATION PILOT 1 ENE POWHATAN 5 SW	E4.45 3.44 2.21 1.57 E2.94	- •92	E7.43 5.61 4.14 3.92 5.76	2,75	4.99 5.40 2.97 4.13 4.52	- •59	4.39 5.70 4.17 2.66 3.45	•65	3.65 2.59 3.99 3.38 4.47	- •22	3.56 7.41 2.26 4.29 9.89	- •61	4.82 3.46 5.75 4.69	73	2.94 4.95 6.91 4.99 4.10		2.26 .83 1.63 .30 3.26		3.43 E2.19 4.84 3.91 E8.29	1.04	2.83 3.57 1.91 2.39 1.55		7.30 5.90 3.79 4.82 5.73	2.96	1 1	2.27
PULASKI QUANTICO 1 S RADFORD CLAYTOR DAM RAMDOLPH RAPIDAM	1.11 2.80 1.50 2.11 2.84		3.92	3.32 1.47 2.39	3.92 3.47 3.40 3.80 3.55	.32 01 19	2.26 2.78 2.72 4.09	21 .06	2.81 3.15	40 97 -1.36	4.23 1.93 3.84 7.77 3.12	-1.25 .51 4.06	3.45 2.39 1.38 1.12 3.69		5.95 4.84 4.10 5.64 6.46	.10 .62 .82	.62 .31 1.14 2.20 1.50	-2.84 -1.29 -2.12	3.26 2.25 3.47 2.41 4.51		3.38 1.50	1.40	5.48 3.50 5.00 5.61 4.25	.76 2.34 2.47	40.37	~4.66 .64 ~ .89
RICHMOND WB AP RIVERTON ROANOKE ROANOKE WB AIRPORT ROCKFISH	2.57 1.83 2.23 1.61 2.64	-1.05	4.72	2.63 4.95 2.15 1.94	4.02 2.65 4.59 4.17 3.65	22 .83 .98	1.73 5.98 4.51 3.86 5.31	-1.50 3.13 1.53	4.83	43	6.49 3.29 4.61 3.79	2.62 .27 .51	2.85 1.94 2.73 1.59	-2.79 -1.07 -2.01 -3.32	3.90 3.28 6.94 5.41 4.48	-1.15 66 1.87	1.64 2.30 2.20 1.79 3.34	63 -1.05	8.78 2.27 3.49 3.35 8.07	6.17 -1.06 -17 04	1.81 1.81 4.53 3.62 2.28	68 71 1.65	5.05 5.28 5.13 5.07 4.89	2.16 2.85 1.90 1.94	1	6.17 5.74 6.07
ROCKY KNOB ROCKY MOUNT ROSE HILL ST PAUL SALTVILLE	3.73 2.12 3.80 E3.02 2.31	-1.25	5.78 E5.35 7.28 E6.11 5.94	2.61	6.68 5.74 6.06 E4.27 3.29	1.86	4.25 4.13 4.86 3.24 3.48	.88	3.26 2.92 3.59 2.70 3.69	-1.33	5.16 4.84 4.62 3.10 6.59	•76	2.99 7.66 6.91 5.42 5.45	3.06	5.07 5.56 1.87 1.52 2.84	1.24	2.55 .55 1.51 1.58 1.74		2.93 E2.72 2.72 3.02 3.19	- 453	4.26 E3.59 3.65 2.26 4.45	.80	E5.15 E5.62 7.57 6.28 6.16	2.54	E51.81	7.50
SALTVILLE 1 N SMITHFIELD 3 NE SOMERSET SPEEDWELL SPRING CREEK 2	2.61 2.41 2.11 2.71 2.31	-1.25	6.61 6.10 3.87 4.68 5.11	3,11	3.73 3.00 2.65 3.82 3.44	65	3.74 1.98 4.38 3.20 3.30	•77	3.76 7.92 E3.12 5.16 4.33	- •47	6.48 4.53 4.34 5.18 4.17	2.65	4.96 1.50 4.12 5.18 3.67	.10	3.16 6.17 6.41 6.05 3.19	-1.17	2.07 3.21 1.73 1.30 1.94		3.42 5.27 4.51 3.10 4.32	1.14	5.01 2.01 2.08 3.40 3.98	2.50	6.82 4.04 4.04 5.16 5.52	3.66	52.37 48.14 E43.36 48.94 45.28	9.72
STAFFORDSVILLE 3 N STATE FARM STAUNTON D AND B INST STONY CREEK STUART 1 SSE	1.38 2.45 2.08 2.53 2.54	- •73	3.73 5.50 3.24 4.27 5.88	1.29	3.15 3.80 2.83 4.73 5.73	40	3.41 3.56 3.52 2.64 3.42	•71	E2.21 6.49 3.62 7.93 2.71	17	3.81 10.40 2.01 6.60 7.40	-1.79	4.66 1.36 5.05 2.70 6.82	• 92	6.75 6.67 2.63 5.91 4.69	-1.34	1.88 1.83 2.98 2.22 1.16	13	3.65 11.76 6.93 6.65 1.10	4.14	3.17 1.64 2.18 1.25 3.84	37	4.59 6.01 3.80 5.43 E6.34	1.01	E42.39 61.47 40.87 52.86 E51.63	3.14
STUARTS DRAFT SUFFOLK LAKE KILBY SUNNYBANK SWORDS CREEK TAMGIER ISLAND	1.61 3.48 3.88 2.62 3.07		3 - 64 4 - 62 6 - 38 4 - 48 6 - 26		2.52 4.19 4.81 4.01 4.56		4.00 2.47 2.61 3.44 E2.46		5.28 6.78 5.76 3.37 E6.08		3.51 8.99 4.09 4.33 E3.66		1.81 1.30 3.13 5.74 E4.02		2.82 7.31 5.41 3.28 3.19		3.38 3.66 4.43 2.59		7.52 4.62 6.71 3.96 6.60		2.39 1.85 1.83 2.86	-	3.88 4.25 5.66 5.25 5.41		42.36 53.52 56.70 45.93 E48.86	
TAZEWELL THE PLAINS 1 E TIMBERVILLE TROUT DALE TYE RIVER 1 SE	2.10 3.10 2.18 3.27 2.25	- •11	5.11 5.17 3.34 5.25 5.12	1.37	E3.43 3.58 3.11 5.18 5.84	•03	3.34 4.55 2.93 4.72 3.90	•30	3.77 3.49 2.73 4.70 3.40	-1.02	3.30 4.55 2.94 6.04 4.30	63	7,89 3,83 5,07 4,20 3,75	.82	5.76 3.94 4.83 7.31 4.00	.74	1.57 2.12 3.45 1.75 3.51	•09	3.86 2.97 2.48 4.05 6.82	- •21	2.72 3.04 2.44 4.86 2.79	•10	4.86 3.63 3.74 6.01 4.70	1.47	E47.71	2.95
URBANNA VIENNA DUNN LORING / WAKEFIELD WALKERTON WALLACE	3.67 3.15 3.10 3.08 2.26		3.99 4.97 4.89 5.94 5.92		5.05 3.75 3.55 4.50 3.97	7)	2.07 4.21 1.94 2.51 3.48		8.33 3.34 6.13 5.58 3.09		5.22 5.99 E6.48 7.09 5.83		5.19 4.17 E1.99 3.93 2.71		4.24 6.83 E6.17 3.35 3.04		2.04 2.55 £1.96 .56 1.01	. [	6.91 3.16 8.11 5.87 3.24		1.77 2.30 2.04 1.61 2.95		5.28 3.33 5.39 6.14 7.72		53.76 47.75 E51.75 50.16 45.22	
WALLACETON LK DRUMMOND WARRENTON 5 NE WARSAW 2 N WASHINGTON WASHINGTON WB NAT AP	2.72 2.43 3.49 E2.91 3.12	94	5.19 4.08 5.16 4.99 5.71	3.27	3.32 3.36 4.65 2.34 4.18	1.15	3.02 4.40 2.26 4.66 3.24	- •75 •18	6.43 4.05 6.33 4.42 2.57	2.42	6.03 4.69 5.49 5.19 4.84	1.47	1.14 3.21 2.39 3.66 3.95	-5.96	2+19 4+23 2+82 5+67 6+31	-3.85 1.56	6.05 1.43 3.56 .81 1.02		5.82 2.24 8.48 1.93 2.37	3.18	1.50 2.92 1.61 2.41 1.75	-2.07	4.20 3.58 5.12 3.23 2.88	.97	47.61 37.62 51.36 E42.22 41.94	-2.76
WATERFORD WAVERLY HILLS WEST POINT 2 SW WILLIAMSBURG 2 N WINCHESTER 2 SSW	2.98 2.34 3.91 3.29 2.87	•42	2.92 5.63 5.28 5.35 4.63	2.66	2.86 4.24 4.93 4.29 3.61	.38	4.75 4.76 2.13 2.06 4.75	1.73	2.81 3.50 6.75 6.82 2.78	-1.51	3.95 5.44 5.60 3.64 4.37	.54	2.74 3.97 3.34 2.48 3.40	60	1.83 7.19 2.97 3.81 1.82	-2.48	.54 1.29 2.24 3.11 3.15		1.53 3.11 7.46 7.76 1.77	-1.67	2.29 E2.08 1.73 1.79 3.30	•48	E3.57 3.38 5.44 5.48 3.47	.94	E32.77 E46.93 51.78 49.88 39.92	1.03
WISE 1 SE WOODSTOCK WOOLWINE 4 S WYTHEVILLE	3.34 2.73 4.86 1.81	-1.01	6.39 4.07 5.84 3.79	2.43	4.40	- •71 - •30	4.86 4.08 6.32 3.47	1.33	3.21 2.46 7.03 5.01	-1.45 1.39	3.57 4.06 9.24 4.14	•20 •94	6.49 2.44 3.83 4.83	-1.26 .58	2.77 3.19 4.57 7.04	-1.32 2.92	1.13 5.32 2.31	-2-49	3.23 1.95 1.99 3.05	94 .99	2.60 2.72 5.03 2.29	•37	5.36 3.77 5.98 E5.52	1.47	47.35 39.04 62.61 E45.20	3.00 9.08
DIVISIONAL AVERAGES											į			}											Ì	
TIDEWATER EASTERN PIEDMONT WESTERN PEIDMONT NORTHERN CENTRAL MOUNTAIN	2.24 2.40 2.67 1.79	09 -1.47 -1.20 21 -1.23	5.45 5.16 4.66 4.13	2.34 2.67 2.31 2.44 1.71	4.24 4.19 4.77 3.53 3.53	.79 .38 .75 .12 04	2.63 3.13 4.15 4.36 3.97	57 37 .60 1.06	3.17	2.70 1.19 89 75 80	5.66 6.31 6.58 4.59 4.48	2.05 2.54 2.27 .92 .51	2.65 3.10 3.63 3.33	- 1	4.43 5.45 6.41 4.89 4.92	90 .64 1.66 .13 .22	2.40	-1.56 -1.18 -1.70 -1.41	5.71 5.81 3.70 2.73 4.73	3.06 3.06 .67 72 1.77	1.67 1.78 2.79 2.53 3.01	-1.20	4-86 5-21 5-32 3-53 4-40	2.16 2.23 1.94 .72 1.47	49.30 49.56 49.67 42.65 64.57	6.27 6.00 4.34 1.32 3.79
SOUTHWESTERN MOUNTAIN	2.43	-1.28	5.19	1.88	4.17	- •12	3.64	•39	3,73	20	4.72	.64	4.81	23	4.41	•00	1.71	-1.11	3.55	1.09	3.12	•47	5.76	2.14	47.24	3.67

## TEMPERATURE EXTREMES AND FREEZE DATA



							Last spr	ng minimu	m of			Fir	st fall :	minim	um of						er of een d		_
Station	ا ا				l6° c		20° or below	24° or below	28° or below	32° or below	32° or below	28° oz below		24° or below		° or	16° or below		below	реюж	below	below	below
	Highes	Date	Lowes	Date	Date	Temp.	Date Temp.	Date Temp.	Date Temp.	Date Temp.	Date Temp.	Date	Тетр.	Date	Temp. Date	Temp.	Date	lemp.	8	20° or b	24° or b	28° or b	32° or 1
ALEXANDRIA CITY GARAGE ALEXANDRIA POTOMAC YDS APPOMATTOX 3 W ASHLAND 1 SW BACK BAY WILDLIFE RFG	96 95 95 95	9- 4 7-24+ - 7-24 8-15	0 4 - 5 11	1-29+ 2- 2 1-29 1-27	2- 7 2- 6  2- 6 1-27	9 14 9	3-18 20 2- 6 14 - 3-18 17 2- 2 17	3-18 24 - 3-18 17 2- 6 23	3-18 24 4- 3 26	4- 3 30 5- 3 32	10-28 32	- 11-11 10-28	28 1	2~ 9 1~29 1~11	18 12- 24 12- 24 11-	9 18 26 18 29 20	12-30	16 14	326	266 - 256	Ē	208	178
BALCONY FALLS BEDFORD BERRYVILLE BIG MEADOWS BLACKSBURG 2	92 94 94 84 88	7-22+ 6- 3 8-31 9- 3 9-13+	2 5 -11 - 8 - 2	1-22 1-22 1-28 1-22 1-22	2-10 2- 6 3-18 3-18 2- 7	14 15 15	2-10 16 2- 6 14 3-18 15 3-19 20 2- 7 13	3-11 24 2- 6 14 4- 4 24 4-18 24 3-17 24	3-18 26 4-30 28 5-27 27	5- 5 31 5-27 27	10-28 28 10-28 28 10-23 31 10- 4 29 10- 5 30	10~28	28 11	1-11	21  12- 17  11-	6 20	11-28	14	266	263	221	181	171
BLACKSTONE FAA AIRPORT BOYKINS BRISTOL BUCHANAN BURKES GARDEN	93 96 95 95 83	9- 3+ 7-31+ 9- 9 6- 2 9-12+	- 2	1-27 1-27 1-22 1-22 1-28	2- 3 2- 1 2- 5 2- 6	16 15 8	2- 3 14 2- 6 19 2- 5 15 2- 6 8 4-20 20	3-18 22 3-18 24 2- 5 15 3-11 22 4-29 23	4-30 28	4-8 32 4-30 32 5-3 32 5-3 30 5-28 29	11- 9 27 10-27 31 10-27 25 10-27 32 9-17 31	11- 9 11-10 10-27 10-28 10-17	27 1: 25 1: 25 1: 26 1: 27 1:	1-29 1-22 1- 9 1-22 0-26	22 12- 21 11- 22 11- 24 12- 24 10-	14 20 29 18 29 19 14 18 28 19	12-30 12-30 12-26 12-26 11-22	15 16 14 12 14	330 332 324 323 289	314 296 297 311 191	256 249 277 256 180	236 237 202 181 143	215° 180 177 177 177
CAPE HENRY WB CITY CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	96 93 94 94 95	7-31+ 7-23 8- 1+ 8- 1 9- 3	16 1 8 7	2- 2 1-22 1-28+ 2- 3+ 1-25	2- 2 2- 6 2- 4 2- 4 2- 6	15 12 11	2- 2 16 2- 6 15 2- 7 20 2- 4 11 2- 6 10	2- 3 22 3-10 22 3-11 23 3-17 23 3-18 21	3-18 27 3-18 25	3-17 32 5- 4 31 4-30 30 3-23 30	12-16 31	12-26 11- 9 10-28 11-29	27 26 1: 28 1: 26 1:	NONE 1-20 1-10 2- 9	24 11- 24 11- 24 11- 21 12-	NE 29 19 22 19 16 20	NONE 12-14 12-26 12-30	15 14 13	311 325 329	- 296 288 315	- 255 244 267	326 206	274 177 180 231
CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 S CHINCOTEAGUE W L REFUGE	95 93 95 88	7-31+ 7-23 9- 3 9-13+	10 9 9 - 8	1-25+ 1-22 2- 2 1-22	2- 3 2- 6 2- 3 2- 5	16	2- 4 20 2- 6 16 2- 3 15 2- 6 17	2- 6 21 2- 7 23 2- 3 15 4-20 23	3-18 26 4- 8 26 3-18 25 5- 3 27	4-3 32 4-30 29 4-21 31 5-28 29	11- 9 28 10-27 30 12- 1 31 9-16 31 11-11 30	110-27	19 10	D-27i	19/10-	27 19	11-29	15 15 12	330 327 - 297	325 311 331 263	311 288 316 190	236 203 266 177	220 180 224 111
COLUMBIA CORBIN COVINGTON FILT PLANT CROZET 2 N CULPEPER	97 95 93 94	9- 4 8- 1+ 7-21 9- 3+	- 1	1-28 1-28 1-25 1-25	3-18 3-18 2- 6 2- 9	16	3-18 16 3-18 16 2- 6 10 - 3-18 17	3-18 16 3-18 16 3-11 21 - 3-18 17	4- 3 28	4- 9 31 5- 4 31		10-28 10-27 -	28 1	2~ 9 0~28	18 12- 24 11-	9 18 22 20	12-14	16	271 271 311 -	266 289	266 231 -	208 180	201 166 -
DAHLGREN WEAPONS LAB DALE ENTERPRISE DANVILLE DANVILLE FAA AIRPORT DIAMOND SPRINGS	92 93 94 95	7-21+ 9- 3+ 6-13 9- 3+	-12 9 11 13	1-28 1-22 1-22 1-27	2- 6 3-16 2- 3 2- 3 2- 2	16 14 16	2- 6 10 3-18 16 2- 6 17 2- 3 16 2- 3 18	2- 7 23 4-30 24 2- 6 17 2- 6 21 2- 6 23	4- 8 26 3-11 28	5- 3 29 5-27 31 4- 3 30		10-27	28 1	1~22	23 11- 22 12- 24 12- 24 NO	26 19	12-30	16 16	330	323	289 289		153
ELKWOOD 6 SE FALLS CHURCH 2 SW FARMVILLE FLOYD 2 NE FORT LEE	95 99 96 92 96	7-14 7-22 7~31 9- 2 9~ 3+	-12 -13 - 7 - 1	1-28 1-24 1-28 1-21 1-27	3-16 2- 7 2- 6 2-26 2- 6	16 9 14	3-18 14 3-18 17 3-18 17 2-26 14 3-18 19	4- 3 24 3-18 17 4- 3 24 4-20 22 3-18 19	4-30 25 5- 2 27	5- 4 32 4-21 30 5- 3 31 5-31 32 4-30 31		d 10−28i	28 1	1~11	23 12-	- qi 1.4	12-14 12- 9 11-29 11-22 12-30	16	305	266	238	180 200 180 156 216	190
FREDERICKSBURG 2 S GALAX RADID WBOB GLEN LYN GORDONSVILLE FAA AP GRUNDY 3 NW	97 87 95	7-23 9- 3+ 9- 2 - 9-24	- 7 - 3 0 - 2	1-28 1-22 1-28+ - 1-28	2- 9 2- 6 2- 4 3-18 1-31	9 15 15	2- 9 16 3-11 20 2- 6 18 3-18 15 2- 6 18	3-19 22 4-20 21 3-11 22 3-18 15 2- 6 18	5- 3 28 4-20 28 4-19 28	5-28 32 5-28 32	10- 5 30	10-27	27 1 27 1	1-22	22 11- 21 11- 19 11-	29 19	12-14	16		256 297	190 256	208 177 190 - 202	130 152
HALIFAX 5) ENE HOG ISL LTL MACHIPONGO HOLLAND 1 E HOPEWELL HOT SPRINGS	95 92 95 97 90	9- 3+ 8-30+ 9- 4+ 8- 1+ 7-21	- 5	2- 3+ 2- 2 1-27 1-28 1-25+	2- 3 2- 3 2- 3 2- 6	11 16 16	2- 6 20 2- 5 20 2- 3 16 2- 6 18 3-17 20	2- 6 20 2- 5 20 3-18 21 3-18 23 4-20 24	2- 7 28 4-21 27 3-18 23	3-17 31		11-21 12-14 2 11-10 2 11-11 2 10-28	28 1 27 1 27 1 26 1 28 1	1-22 NONE 1-30 1-30 1-20	24 12- NO 22 12- 22 12- 24 11-	26 19 NE 26 20 26 19	NONE NONE 12-30 NONE 12-14		330	323 326 323 250	257	203 238	
JOHN H KERR DAM LANGLEY AIR FORCE BASE LAWRENCEVILLE LEXINGTON LINCOLN	95 93 99 95 96	7-24 9- 3 7-31 9- 3+ 9- 5	9 8 6 - 8	1-25 1-27 1-27 1-22 2- 2	2- 6 2- 2 2- 6 2- 9 2- 7	15 15 16	2- 7 18 2- 6 19 3-11 20 3-11 19 3-18 18	3-11 23 3-11 24 3-18 21 3-18 23 3-18 18	3-11 24 4- 3 25 4-30 27	5-3 32 5-28 32	10- 5 3; 11-10 30 10-27 30 10-17 3: 10-28 30	10-28 110-28	28 1	1~22	21 11-	29 17	12-26	16	328 - 323 308 325	327 263 256	290 249 238	208 181	177
LOUISA LURAY 5 E LYNCHBURG WB AIRPORT MANASSAS MARION EVAP STATION	94 94 93 95 88	7-31 7-31+ 7-31 9- 3+ 9- 3	7	1-28 1-28 1-22 1-22 1-22	3-18 3-18 2- 3 2- 6 2- 5	16	3-18 15 3-18 16 2- 4 18 3-18 18 2- 6 18		4-30 26 3-18 26	5- 4 30 4- 5 32 4- 4 31 5- 3 31	10-27 3: 10- 5 3: 11- 9 2: 11- 9 3: 10-17 3:	10-28 11-22 11-20 11-27	28 1 24 1 27 1 21 1	1~11 1~22 2~ 7 0~27	24 12- 24 12- 22 12- 21 11-	14 19 14 16 14 16 29 19	12-9 12-30 12-29 11-29	16 14 14 13 15	266 266 330 326 297	249 263 313 271 296	237 238 289 264 231	224 181 249 247 190	176 154 218 219 167
MARTINSVILLE FILT PL MATHEWS 1 SSW MONTEREY MOUNT WEATHER NASSAWADOX	93 96 86 87 94	9- 4		1-22 1-30+ 1-28+ 2- 2 2- 2	2- 6 2- 6 3-18 3-17 2- 3	15 13 7 14	2- 9 18 3-18 19 5- 4 20 3-17 14 2- 6 17	4-20 24 3-18 19 5-28 24 3-18 21 3-18 22	4-21 28 5-28 24 4- 4 28	5-31 32 5-27 30	10~ 5 2 10~27 3 9~16 3 10~15 3 11~11 2	1 10- 5 2 11- 9	26 1	0-28 1-28	22 11-	- 9 20 - 9 18	11-19		246 272	189 267	257	204 130 219	189 108 141
NELSONIA NEW CANTON NEWPORT NEWS PRESS BLDG NORFOLK WB AIRPORT NORFOLK	94 98 99 97		- 5 14 12	1-28 2- 2 1-27	3-18 2- 2 2- 2	2 14	- 3-18 16 2- 3 19 2- 6 19 2- 2 19	3-18 22 3-18 16 2- 6 21 2- 6 19 2- 3 22	4+30 28 2+ 6 21 3-11 28	3-18 32 4- 3 31	- 10- 5 3 11-29 3 11-11 3 12-14 3	2 12-14 12-21	26 1 28 1	2-30 2-26	23 12-	NE	NONE	15	-	249 327	327 323	311 285	153 256 222 272
PAINTER 2 W PARTLOW 3 WNW PEAKS OF OTTER PENNINGTON GAP PHILPOT DAM 2	94 96 86 87 93	9- 74		1-30 1-28 1-25+ 1-22 1-22	2- 3 3-18 2- 8 2- 8 2- 8	3 12 8 16 5 12	2- 6 17 3-18 12 3-15 19 2-10 19 2- 7 18	3-18 21 3-18 12 3-19 24 4- 8 22 3-11 22	3-26 25 4-18 27 4-20 26	5-5 31 5-27 32 5-28 31 4-30 30	1	10-27 1 10-15 2 10-27	25 1 21 1 19 1	0-28 0-15 0-27 2-14	24 11- 21 11- 19 10- 19 12-	-11 20 - 9 18 -27 19 -14 19	11-29 8 11-30 9 11- 9 9 12-26	16 16 12	256 295 276 324	239 259 310	224 210 202 278	215 180 190 -	153 141 141
PIEDMONT FIELD STATION POWHATAN 5 SW PULASKI QUANTICO 1 S RICHMOND WB AP	95 96 88 95 97	7-23	- 6 - 3 - 5	1-26+ 1-28+ 1-22 1-28 1-28	2- 1 3-1 2- ( 2- ( 2- (	8 11 6 11 6 12	3-18 19 3-18 11 2- 6 11 2- 6 12 2- 6 17	3-18 19 4- 7 23 2-15 24 3-18 21 3-18 22	4-30 28 4-20 25 4-30 28	5-3 21	11-8 3: 10-5 3 10-5 3: 11-8 3: 10-27 3:	າໄາດ-26ໄ	28 1	1-10	2 2 11.	-22 21	0 11-29	ואו	256	240	217	181	155
ROANOKE ROANOKE WB AIRPORT ROCKY KNOB ROCKY MOUNT ST PAUL	95 95 92 94	8- 14 9-12+ 	- 2 - 3	1-22 1-22 1-22 1-22 1-22	2- 6 2- 6 2- 5 2- 5 1-3	5 15 5 13 5 11	2- 6 13 2- 6 15 3-10 19 3-11 20 2- 6 17	2- 6 13 2- 6 15 3-19 21 3-18 24 3-17 23	3-11 28 4-11 28 4-19 25	4-20 31 5-29 31 5- 6 31	10-28 2	11-22	24 1 23 1	1-22	24 12	-14 1 -29 1	8 12-26 6 11-29 -	16	323 297	311 264	289 235	256 212 -	177 191 139
SALTVILLE 1 N STAUNTON D AND 8 INST STONY CREEK STUART 1 SSE SUFFOLK LAKE KILBY	90 94 96 97 96	9- 4 9- 3- 7-29	0 1 3 6 11	1-28+ 1-22 1-27 1-25+ 1-27	2- ( 2- ( 2- ( 2- ( 2- (	6 9 6 16 3 13	3-18 20 2- 4 19	2-26 24 3-18 20 3-18 20 3-10 23 2- 6 18	4- 3 28 4- 3 28 3-18 27	4-30 31 4-30 31	10-28 2	9 11- 9 0 11-10 6 11- 9	28 1 25 1 26 1	1-22	21; 12: 23; 11:	9 1 30 1	9 12-14 9 12-30 NONE	ואו	311 327	257	249	221	181 180 219
SUNNYBANK TANGIER ISLAND TIMBERVILLE URBANNA WAKEFIELD	94 93 93 95	7-31	-16 -6	2- 2+ 1-25 1-28 1-28	2- 6 2- 3 3-16 2- 6 2- 6	3 12 8 15	3-18 15 2- 6 15	2- 6 11 2- 6 24 3-18 15 3-11 21 3-18 20	3-25 27 4-30 28 3-17 26	3-25 27 5- 5 31 4- 3 29	11-11 3 12- 9 2 10-23 3 11- 9/3 10-27 3	8 12- 9 1 10-28 0 11-11	28 1 26 1 28 1	2-16 1-11 2-22	23 12 23 11 22 12	-30 2 -22 2 -30 1	0 NONE 0 12- 9 6 12-30	16	266 327	329 249 327	286	259 181 239	259 171 220

See reference notes following Station Index.

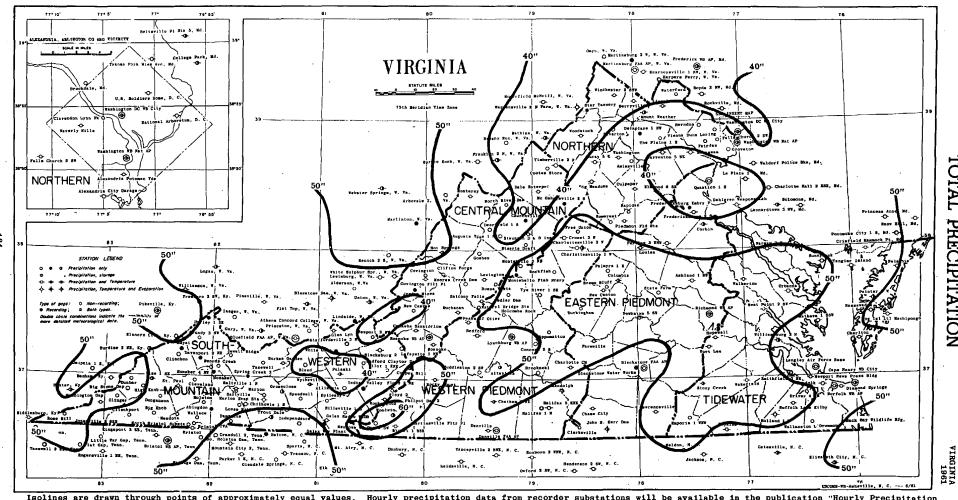
,						Last s	oring minim	ım of			First f	all minimum	n of			mber o tween		
Station					16° or	20° or below	24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	20° or below	16° or below	elow	below	below	wole
	Highest	Date	Lowest	Date	Date Temp.	Date	Date Temp.	Date Temp.	Date Temp.	Date Temp.	Date Temp.			Date Temp.	16° or b	24° or	28° or	
WALKERTON WARREATON 5 NE WARSAW 2 N WASHINGTON WASHINGTON WB NAT AP	96 94 97 95	7-31+ 7-24 9- 5+ 9-14+ 9- 3	- 2 - 4	1-28 1-28 1-28 1-28 2- 2	2- 6 2- 6 3-17 3-18 1: 2- 6	3-18 2 3-18 1	0 4-4 2 0 4-3 2 3 4-3 2	4- 4- 4- 28 1 4-30 28	4-30 30 4-21 32 4-30 28	11- 9 28 10-28 30 10- 5 3	10-28 28 11- 9 28 11-11 25 10-28 25 112- 9 22	12- 9 20 12- 9 22 11-11 20	12- 9 20 12-14 20 11-11 20	12-14 15 12-31 15 12- 9 13	311 26 289 2 266 2	66 24°	9 219 0 221 2 181	19 1 19 1 15
WAVERLY HILLS WEST POINT 2 SW WILLIAMSBURG 2 N WINCHESTER 2 SSW WISE 1 SE	95 96 95 96 86	9- 3+ 9- 3+ 9- 3+ 8-31 7-21	0	2- 2 1-28 1-26 2- 2 1-28+	2- 6 1 2- 6 1 2- 6 1 2- 7 1 2- 6 1	3-18 1 2- 6 1 3-18 1	9 3-18 1 4 3-18 2 7 3-18 1	4-21 28 4-21 28 7 3-18 17	4-30 30 4-21 28 4-17 30	10-28 30 11- 9 20 10-28 3	0 11- 9 28 9 11-11 28 1 11-11 25 0 10-27 20	11-29 21 11-29 22 11-22 24	12-26 18	12-26 16 12-30 14 12-14 16	323 2 327 3 310 2	57 25 23 25 66 24	6 202 6 204 9 238	4 20 B 19
WOODSTOCK WYTHEVILLE	93 87	8-31+ 9-12+		1-28 1-22	2- 7 2- 7 1		7 3-18 1 9 4-20 2			10-23 3: 10- 5 3	2 10-28 28 1 10-27 27	11-11 23 10-28 24	11-22 19	12-14 12		- 23 69 19	B 194	17

#### TOTAL EVAPORATION AND WIND MOVEMENT

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct	Ñov.	Dec	Annua
CHARLOTTESVILLE 1 W	EVAP	-	-	-	_	B5.26	5.67	6.35	B5,44	B4.68	B3.17	-	-	-
	DEP	-	- 1	-	-				-		-	-	-	-
•	WIND	- 1	-	-	-	В 906	721 90.7	731	560	716	775 74.8	-	_	-
	MAX	1 - 1	-	_	_	82.9 55.1	65.2	94.3 70.0	92.2 70.1	89.1 65.7	50.3	-	-	, -
	WIN	-	-	-	-	55,1	00,4	70.0	70.1	65.7	30.3	- 1		-
HOLLAND 1 E	EVAP	- 1	-	_	в6.09	6.50	B6.28	B7.46	B6.00	5,17	3,57	_	_	
	DEP	! - i		- '		_		_	-	_	1 - 2 - 1	- 1	_	_
	WIND	-	-	-	B1986	1090	605	392	739	955	1169	-	-	} <u>-</u>
OHN H. KERR DAM	EVAP	_	-	_	в5.00	B6,02	6,27	7.68	B5.83	4,95	-	_	_	-
	DED	-	-	-	-	_	-	-		- 1	-	_	_	- '
	MIMD	-	-	-	B2216	1603	1493	1335	1164	1079	-	-	-	-
MARION EVAP STATION	EVAP	1 - 1	-	3.70	3.75	4.90	4,98	5.59	5.20	4.08	3,23	1.87	1,19	1 -
	DED	- 1	- 1	-	-	-	_	-		_	_	_	_	i -
	MIND	2228	2138	2342	2388	1209	542	787	B 673	768	968	1337	1553	16933
	MAX	-	~. `	60.2			85.9	89.3	88.4	83.8	67.3	56.4	45,4	-
,	MIN	[ - [	- [	40.6	38.4	49.3	59,1	62.1	63.0	59.3	42.8	42.9	34.4	-
PHILPOT DAM 2	EVAP	- 1	-	_	B3.46	B5.13	B5.30	5.24	B5.07	4.28		_	_	_
•	DEÞ	i · - i	-	_	-	-	-	-	-	- !	-		-	-
	WIND	1	- 1	_	910	652	356	298	322	323	1	463	-	-

#### CHANGES IN STATION NAMES

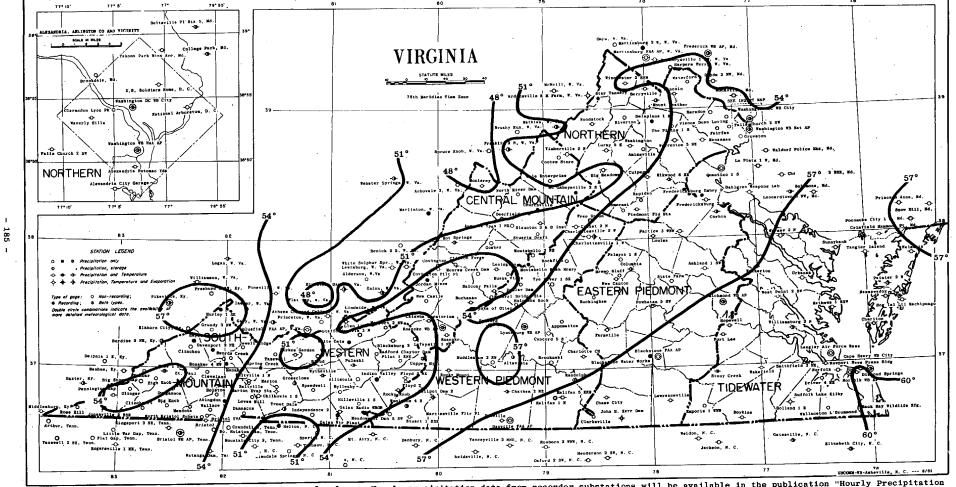
	CHANGES IN STATION NAMES		
NEW NAME	OLD NAME	DATE	
APPOMATTOX 3 W CHATHAM 2 NE FREDERICKSBURG 2 S HUDDLESTON 2 SW TIMBERVILLE	APPOMATTOX CHATHAM 2 N FREDERICKSBURG HUDDLESTON TIMBERVILLE 2 N	October January March February June	1961 1961 1961 1961 1961
	RELOCATION AND CHANGE OF EQUIPMENT		
APPOMATTOX 3 W APPOMATTOX 3 W BROOKNEAL CHASE CITY CHATHAM 2 NE	All equipment moved 3.0 miles W Temperature equipment installed All equipment moved 0.6 mile N Rain gage moved 50 feet E Recorder installed	October November February July January	1, 1961 1, 1961 9, 1961 20, 1961 5, 1961
CROZET 2 N FREDERICKSBURG 2 S GOSHEN HUDDLESTON 2 SW INDEPENDENCE 2	All equipment moved 0.3 mile S All equipment moved 2.0 miles SSE All equipment moved 0.4 mile SSE All equipment moved 2.0 miles SW All equipment moved 0.8 mile SE	January March January February January	4, 1961 1, 1961 1, 1961 17, 1961 18, 1961
LAWRENCEVILLE LEXINGTON LEXINGTON MONTEBELLO FISH NURSERY MOUNT WEATHER	Temperature and rain gage equipment moved 200 feet E Temperature equipment moved 50 feet E Rain gage moved 300 feet SE Recorder moved 900 feet W All equipment moved 300 feet W	July April April November December	20, 1961 11, 1961 11, 1961 8, 1961 1, 1960
NORFOLK ROSE HILL SOMERSET TIMBERVILLE	Temperature and rain gage equipment moved 250 feet N All equipment moved 0.6 mile NE Rain gage moved 200 feet N All equipment moved 2.0 miles S	November February November June	7, 1961 13, 1961 9, 1961 1, 1961



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

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Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

### STATION INDEX

										~ -		,			1112221											1961
Si	ation	Index No.	County	Drainage ‡	Latitude	Longitude	Elevation	re	Precip.	or c duri	Wouth Solosed Mosed Posed Closed	Ref to tabl	,		Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	rec	Precip.	-7	osed gyr.	Refer to tables
ABINGDON ALEXANDRIA ALEXANDRIA ALLISONIA ALTAVISTA	CITY GARAGE POTOMAC YDS	13 90 97 135	WASHINGTON PULASKI CAMPBELL	13	36 42 38 48 38 49 36 56 37 06	82 00 77 05 77 03 80 45 79 18	2000 60 20 1870 510	4 24	20 4 24 10 16			2 1 2 3 1 2 3 2	c		JOHN H KERR DAM JONESVILLE 2 SSE JORDAN MINES KERRS CREEK 1 WSW LAFAYETTE 1 NE	4414 4448 4452 4565 4676	MECKLENBURG LEE ALLEGHANY ROCKBRIDGE MONTGOMERY	9	36 36 36 40 37 41 37 51 37 14	83 06 80 05 79 32	323 1375 1350 1325 1280	13	13 10 15	1		1 2 3 4C 2 C 2
AMISSVILLE APPOMATTOX ASHLAND I SI AUGUSTA SPR BACK BAY WI	W Ings 1 në	243 327 356	RAPPAHANNOCK APPOMATTOX HANOYER AUGUSTA PRINCESS ANNE	9	38 41 37 22 37 45 38 07 36 40	78 01 78 53 77 29 79 18 75 55	550 925 220 1700 5	0 49 9	18 23 49 9			2 1 2 3 1 2 3 1 2 3	1		LANGLEY AIR FORCE BASE LAWRENCEVILLE LEXINGTON LINCOLN LOUISA	4768 4876 4909	ELIZABETH CTY BRUNSWICK ROCKBRIDGE LOUDOUN LOUISA	10	37 05 36 46 37 47 39 07 38 02	77 51 79 26 77 43	10 254 1060 500 437	76 16 83 60 46	125 16 90 61 46			1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BALCONY FAL BEDFORD BERRYVILLE BIG KNOB BIG MEADOWS	LS	670 712	ROCKBRIDGE BEDFORD CLARKE SCOTY PAGE	15 16	37 38 37 21 39 09 36 40 38 31	79 27 79 31 77 59 82 30 78 26	725 975 580 3150 3535	14 33 10 26	30 47 20 26 26			1 2 3 1 2 3 1 2 3 1 2 3	;		LOVES MILL LURAY 5 E LYMCHBURG 7TH ST BR LYMCHBURG WB AIRPORT MANASSAS	5115 5120	WASHINGTON PAGE CAMPBELL CAMPBELL PR WILLIAM	16	36 45 38 41 37 25 37 20 38 45	76 23 79 09 79 12	2060 1120 520 947 318	20 90 14	27 20 90 45		JAN	1 2 3 2 1 2 3 C 1 2 3 C
BIG STONE G BLACKSBURG BLACKSTONE BLACKSTONE BLAND	2 Faa ap	773 778	MONTGOMERY NOTTOWAY	11 12	36 52 37 14 37 04 37 05 37 06	82 46 80 25 77 57 78 01 81 07	1485 2040 435 423 2000	10 16	6 10 16			1 2 1 1 2 2			MATHEWS 1 SSW	5300 5338	SMYTH SMYTH HENRY MATHEWS ROCKINGHAM	7 5	36 51 36 50 36 42 37 25 38 21	81 31 79 53 76 20	2200 2235 760 10 1090	2 23 12	55 2 31 12	2		2 1 2 3 4 1 2 3 1 2 3
BOYKINS BREMO BLUFF BRISTOL : BRISTOL TVA BROOKNEAL		993 1037 1047	SOUTHAMPTON FLUVANNA WASHINGTON WASHINGTON CAMPBELL	8	36 35 37 42 36 36 36 37 37 03	77 12 78 18 82 10 82 10 76 57		8 28	8 21 28 13 12			1 2 1 2 1 2 2 2			MEADOWS OF DAN 5 SW MENDOTA MONTEBELLO 3 NE MONTEBELLO FISH NURSERY MONTEREY	5501 5685 5690	PATRICK WASHINGTON NELSON NELSON HIGHLAND	9	36 40 36 42 37 53 37 51 38 25	82 18 79 06 79 06	1500 1350 2450 1875 2910	20	12 54 24			2 2 2 1 2 3
BUCHANAN BUCKINGHAM BUENA VISTA BURKES GARD BYLLESBY	EN	1136 1159	BUCKINGHAM ROCKBRIDGE TAZEWELL	9 9	37 32 37 33 37 44 37 05 36 48	79 41 78 33 79 21 81 20 80 55	875 485 835 3300 2075	43 64	60 26 24 66 18			1 2 1 2 1 2 1 2 1 2 1			MOORES CREEK DAM MOUNT WEATHER NASSAWADOX NATURAL BRIDGE STATION NELSONIA	5851 5931 5941	ROCKBRIDGE LOUDOUN NORTHAMPTON ROCKBRIDGE ACCOMACK	13	37 45 39 04 37 28 37 35 37 49	77 53 75 52 79 30	35	5	26 58 5 19			2 1 2 3 C 1 2 3 2 1 2 3
CAPE HENRY CATAWBA SAN CHARLOTTE C CHARLOTTESV CHARLOTTESV	ATORIUM OURT HOUSE ILLE 2 W	1471 1585 1593	PRINCESS ANNE ROANOKE CHARLOTTE ALBEMARLE ALBEMARLE	9 15 9	36 56 37 23 37 03 38 02 38 02	76 01 80 05 78 38 78 31 78 31	16 1890 560 870 540	87 50 15 58 11	87 50 15 85			1 2 1 2 1 2 1 2 1 2		,	NEW CANTON NEW CASTLE NEWPORT 2 NW NEWPORT NEWS PRESS BLDG NORFOLK WB AIRPORT	6046 6054	BUCKINGHAM CRAIG GILES PRINCESS ANNE	9	37 42 37 30 37 19 36 59 36 53	80 06 80 31 76 26	300 1325 1900 25 26	66 40 15	68 24 16 40 16			1 2 3 2 2 1 2 3 1 2 3 C
CHASE CITY CHATHAM 2 N CHERITON CHILHOWIE 1 CHINCOTEAGU		1636	PITTSYLVANIA NORTHAMPTON SMYTH	2 8	36 48 36 50 37 17 36 47 37 56	78 28 79 22 75 58 81 41 75 22	520 700 11 2000 10	14 38 25 10	14 38 34 10	AUG		1 2 1 2 1 2 1 2 1 2	3 6		NORFOLK NORTH BRISTOL SUBSTA NORTH RIVER DAM OLINGER PAINTER 2 W	6199	WASHINGTON AUGUSTA LEE ACCOMAC	16	36 52 36 37 38 22 36 49 37 35	79 16	10 1740 2400 1460 30		91 14 31 27 6			1 2 3 2 2 2 1 2 3 C
CHURCHVILLE CLARENDON L CLARKSVILLE CLEVELAND CLIFTON FOR	YON PARK	1746	AUGUSTA ARLINGTON MECKLENBURG RUSSELL ALLEGANY	13	38 14 38 54 36 38 36 57 37 49	79 10 77 05 78 33 82 09 79 50	1475 225 325 1540 1055		34 70 28 37			2 2 2 2	c		PALMYRA 1 E PARTLOM 3 WNW PEAKS OF OTTER PEDLAR DAM PENNINGTON GAP	6533	FLUVANNA SPOTSYLVANIA BOTETOURT AMHERST LEE	15	37 52 38 03 37 28 37 40 36 45	77 42 79 36 79 17	250 2605 1013 1510	10 3 29	5 10 3 27 29			2 1 2 3 1 2 3 2 1 2 3
CLINCHCO CLINCHPORT COLUMBIA CONCORD 5 S COOTES STOR	ε	1816 1929 1955	DICKENSON SCOTT GOOCHLAND CAMPBELL ROCKINGHAN	9	37 10 36 40 37 46 37 17 38 38	82 19 82 45 78 09 78 58 78 51	1530 1260 300 650 1070	59	11 66 63 12 19			2 2 1 2 2 2	з с		PHILPOT DAM 2 PIEDMONT FIELD STATION PILOT 1 ENE POWHATAM 5 SW PULASK!	6712 6723 6906	HENRY- ORANGE MONTGOMERY AMELIA PULASKI	11	36 47 38 13 37 04 37 29 37 02	78 07 80 21 77 58	1123 500 2178 260 1850	12	20	9		1 2 3 4C 1 2 3 2 1 2 3 1 2 3 C
COPPER HILL CORBIN COVINGTON COVINGTON F CROZET 2 N	ILT PLANT	2041	CAROLINE	9 9	37 06 38 12 37 48 37 48 39 05	80 07 77 22 80 00 80 00 78 42	1245	3 1 16	20. 3 24 1 18		FEB	1 2 2 1 2 1 2	3		QUANTICO 1 S RADFORD CLAYTOR DAM RANDOLPH RAPIDAN RICHMOND WB AP	7004 7025 7033	PR. WILLIAM PULASKI CHARLOTTE ORANGE HENRICO	114	38 30 37 05 36 54 36 18 37 30	80 35 78 43 78 04	300		57 56 56 16 24			1 2 3 2 2 C 2 C 1 2 3 C
CULPEPER DAHLGREN WE DALE ENTERP DAMASCUS DANVILLE	APONS LAB RISE	2195 2208 2216	CULPEPER KING GEORGE ROCKINGHAM WASHINGTON PITTSYLVANIA	13	38 29 38 20 38 27 36 38 36 36	77 59 77 02 78 56 81 48 79 23	1400		54 42 81 35 71		)   	1 2 1 2 1 2 2 2 1 2	3	•	RIVERTON ROAMOKE WROAMOKE WB AIRPORT ROCKFISH ROCKY KNOB	7205	WARREN ROAMOKE ROAMOKE NELSON FLOYD	13	38 56 37 16 37 19 37 48 36 51	79 56 79 56 78 45	1174	54 27 20	30 67 29 24 20			2 1 2 3 1 2 3 C 2 1 2 3
#DANVILLE FA DAVENPORT 2 DEERFIELD 1 DELAPLANE 1 DIAMOND SPR	NE S NW	2269 2315 2326	PITTSYLVANIA BUCHANAN AUGUSTA FAUGUIER PRINCESS ANNE	13	36 34 37 07 38 10 38 55 36 54	79 20 82 06 79 22 77 56 76 12	577 1600 1720 555 25	18 53	18 35 53			1 2 2 1 2	c		ROCKY MOUNT ROSE HILL ST PAUL SALTVILLE SALTVILLE SALTVILLE 1 N	7372 7492 7501	FRANKLIN LEE WISE SMYTH SMYTH	1:	37 00 36 40 36 54 36 53 36 53	83 22 82 19 81 46	1900	4	68 28 2 40 45			1 2 3 2 1 2 3 2 1 2 3
DRIVER 4 ME OUMBAR Dungannon Elkwood 6 S Emporia 1 W	ε	2548	NANSEMOND WISE SCOTT CULPEPER GREENSVILLE	14	36 53 36 58 36 50 38 27 36 41	76 29 82 45 82 26 77 46 77 33		21	19 27 27 21 31			2 2 2 1 2 2	э с		SMITHFIELD 3 NE SOMERSET SPEEDWELL SPRIMG CPEER 2 STAFFOROSVILLE 3 N	7904	ISLE OF WIGHT GRANGE WYTHE TAZEWELL GILES	1	37 01 38 14 36 49 37 01 37 16	70 15 81 10 81 35	2340		20 13 21 26 10			2 2 2 2 C
FAIRFAX FALLS CHURC EARMVILLE FLOYD 2 NE FORT LEE	H 2 SW	3071	FAIRFAX FAIRFAX PRINCE EDWARD FLOYD PRINCE GEORGE	13 1	38 50 38 51 37 18 36 56 37 14	77 19 77 12 78 23 80 18 77 20	430	40 29	13 13 42 29 12			1 2 1 2 1 2 1 2	3	H	STAR TAMMERY STATE FARM STAUMTOM D AND 8 INST STOMY CREEK STUARY I ESSE	8054 8062 8129	FREDERICK GOOCHLAND AUGUSTA SUSSEX PATRICK	1	39 05 37 38 38 05 36 57 36 38	77 46	1480	69 2	23. 75 2 2			C 2 1 2 3 1 2 3 C 1 2 3
FREDERICKSB FREDERICKSB FREE UNION GALAX RADIO GALAX WATER	URG EMBRY PL	3197 3213 3267	SPOTSYLVANIA SPOTSYLVANIA ALBEMARLE CARROLL GRAYSON	11	38 17 38 18 38 09 36 40 36 39	77 27 77 28 16 34 80 55 80 55	584 2385	7	70 7 18			1 2	۲		STUARTS DRAFT SUFFOLK LAKE KILBY SUMNYBANK SWORDS CREEK TANGIER ISLAND	8192 8224 8282	AUGUSTA MANSEMOND M HUMBERLAND RUSSELL B ACCOMAC	1 :	36 00 36 44 37 51 5 37 50 5 37 50	76 36	15	10				1 2 3 1 2 3 1 2 3 2 1 2 3
GLEN LYN GORDONSVILL GORDONSVILL GOSHEN GROSECLOSE	É FAA AP E 3 S	3462 3466 3470	GILES LOUISA LOUISA ROCKBRIDGE SMYTH	117	37 22 38 04 38 06 37 59 36 52	80 52 78 10 78 10 78 10 79 30 81 20	1350	1	48 22 1 22 19	JUNA	APR	1 2 1 2 2 2 2	3 3		TAZEWELL THE PLAINS 1 E TIMBERVILLE TROUT DALE TYE RIVER 1 SE	8396 8446 854	TAZEWELL FAUGUIER ROCKINGHAM GRAYSON NELSON	1	37 01 38 52 38 39 36 42 9 37 31	77 41 78 41 2 81 2	1100	19	27 16 30 26 23			2 2 1 2 3 2 C
GROVETON GRUNDY 3 NW HALIFAX 1 N HALIFAX 5 E HAYS[	1	3640 3690 3695	FAIRFAX BUCHANAN HALIFAX HALIFAX DICKENSON	3 7 7	38 46 37 18 36 47 36 47 37 12	78 51	359 442	7	11 11 31 7			1 2 2 1 2	- 1		URBAMNA VIENMA DUNN LORING WAKEFIELD WALKERTON WALLACE	88Q	MIDDLESEX FAIRFAX SUSSEX KING QUEEN WASHINGTON	1	37 36 38 54 36 56 7 37 44 8 36 35	77 0	90	2 28	25 13 2 29 26			1 2 3 2 1 2 3 1 2 3
HERNDON HIGH KNOB HILLSVILLE HOG ISL LTL HOLCOMBS RO	MACHI PONGO	3959 3991 4031	FAIRFAX WISE CARROLL NORTHAMPTON BEDFORD	11	38 58 36 54 36 44 37 27 37 30	77 23 82 38 80 44 75 41 79 16	370 4150 2585 1 600	2	7 26 19 2		INA	2 2 2 1 2 2	3		WALLACETON LK DRUMMOND WARRENTON 5 NE WARSAM 2 N WASHINGTON WASHINGTON WB NAT AP	888	7 NORFOLK 5 FAUGUIER 6 RICHMOND 2 RAPPAHANNOCK 6	11	36 3 36 4 37 5 4 38 4 3 38 5	77 44 9 76 44 3 78 14	140	117	11 16			2 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 C
HOLLAND 1 E HOLSTON HONAKER HONAKER 4 F HOPEWELL		4078	NANSEMOND B WASHINGTON B RUSSELL B RUSSELL PRINCE GEORGE	6 6	36 41 36 49 37 01 37 03 37 18	76 47 82 06 81 59 82 02 77 18	1930		29 1 27 26 27 74	2		1 2 2 2 2 2 1 2	c		WATERFORD WAVERLY HILLS WEST POINT 2 SW WHITE GATE WILLIAMSSURG 2 N	902	LOUDOUN ARLINGTON NEW KENT GILES I YORK	1111	3 39 1 3 38 5 7 37 3 1 37 1 9 37 1	3 77 0 1 76 5 2 80 5	340 0 11	15	8			2 1 2 5 1 2 3 C
HOT SPRINGS HUDDLESTON HURLEY I SE INDEPENDENCE INDIAN VALUE	2 SW E 2	4145 4185 4234	B EATH B BEDFORD B BUCHANAN GRAYSON FLOYD	15	38 00 37 09 37 25 36 38 36 54	79 50 79 30 82 01 81 10 80 34	990 2657	1	70 12 9			1 2 2	3 C		WILLIAMSVILLE 5 N WINCHESTER 2 SSW WISE 1 SE WOODSTOCK WOOLWINE 4 S	918	HIGHLAND FREDERICK WISE SMENANDOAH PATRICK	١,	9 35 10 3 39 00 6 36 50 6 38 5 7 36 4	9 78 1 8 82 3 3 78 3	2500	56	7	NOV		2 1 2 3 1 2 3 C 1 2 3 C
JEWELL RIOG		4404		L	37 11	81 47	L	<u> </u>	27		L	2			DAN; 8-HOULSTON; 9-JAMES;		I WYTHE	4	36 5			L.,	1.1			1 2 3 C

<sup>£ 1-</sup>APPOMATION, 2-ATLANTIC, 3-BIG SANDY, 4-BLACKWATER, 5-CHESAPEAKE, 6-CLINCH, 7-DAN, 8-HOULSTON, 9-JAMES, 10-MEHERRIN, 11-MEN, 12-MOTTOMAY, 13-POTOMAC, 14-APPOMAMONYK, 15-POAMOKE, 16-K-SHENDOAN, 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 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 the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Climatological divisions, outlined on the maps in this bulletin became effective with data for November 1895.

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.
- 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.
- T Trace, an amount too small to measure.
- V Includes total for previous month, V in annual column means total is for a two-year period.

Information concerning the history of changes in location, 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 issue 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 25, D. C.

USCOMM-WB-Asheville, N. C. --- 3/5/62 --- 975