VOLUME 88 NUMBER 13

# CLIMATOLOGICAL DATA ANNUAL SUMMARY



## **VIRGINIA**

1978

"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801."

DIRECTOR NATIONAL CLIMATIC CENTER

Table 1			· • •				·	***	T		1					(LO		OM.		) KIVI	-					IRGIN 19
	-	uary	Feb	ruary	ļ	rch	↓	pril	М	lay 1	11	IDe	Ju	ly	Aug	yust	Septe	mber	Octo	ober	Nove	mber	Decer	nber	Ann	ual
Station .	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Тепретавите	Departure	Temperature	Departure
TIDEWATER 01																ļ										
BACK BAY ML REF BUHANNON 1 NE BUYKINS CULUNIAL BEACH DIAHDND 3PRINGS	38.0 34.6 34.8H 30.9H 34.8	- 6.5	33.4 31.5 33.3 29.8 31.6	-10.7	44.5M 44.5 47.2M 42.8M 45.1	- 3.9	57.3 59.0 57.1H 56.7	- 2-1	62.1 64.0 66.5M 66.1M 63.1	- 4.3	72.6H 73.7 74.9H 74.9H		75.4F 77.0 77.4F 78.1 76.6		79.3 80.2 79.5 80.7 79.5	2.1	73.0M 73.4 73.6 N 72.4	1	61.78 60.1 59.08 60.28	}	56.2M 54.9 54.6M 53.2 54.8		47.6M 45.1M 45.6M 44.7M 46.0	2.9	58.4M 58.8M 57.8	- 2.3
FREDERICKSBURG NATE PK MOLLAND 1 E MOPEWELL LANGLEY AIR FORCE B MOLLUSK 1 SW	30.9M 35.6 35.0 37.2	- 4.5 - 4.1 - 5.5 - 2.8	28.2 31.5 33.8 30.7	- 8.5 - 9.7 - 8.5 -10.6	-	- 1.0 - 2.6 - 3.6	55.8 57.0 60.0 56.7 55.7	- 1.4 3 - 1.1	64.4 64.2 66.5 64.8	- 2.7 - 2.1 - 2.1	73.5M 73.6M 75.9 75.2 72.8	6 .1 .5	75.9 76.2 78.4 76.9 76.0	- 1.6 - 1.5 - 1.5	77.8 77.8 80.3 82.9 79.0	2.7 1.8 2.5 5.6	71.0	2.1	57.6 57.8 60.8 59.5 58.1	- 2.7 - 2.7 - 2.3	49.8 53.9H 54.4 56.2 52.6	2.8 3.2 2.9 4.7	41.7M 44.5H 45.6M 44.6 42.9	4.0	55.9M 57.4M 58.5	1.4
NEWPORT NEWS PRESS BLD NORFOLK WSO AP Dyster Painter z w Stony creek 5 SSW	36.0M 37.0 34.8M 34.4 33.5	- 3.5 - 5.6	33.1 32.6 29.7 29.6 30.8M	- 8.8 -11.5	45.5 46.1 45.0M 43.8 45.4M	- 2.0	56.8 57.2 56.1M 54.3 57.4M	- 1.4		ĺ	74.9 74.1 73.2 72.2 74.0	- 1: <b>1</b>	77.9 76.1 75.4 76.7	- 2,2	80.7 80.5 79.3) 78.5 75.9)	3.6 1.9		1:4	61.8 60.8 60.2 58.1 56.1	- 2.6	55.3 56.0 53.2 51.78	4.4	46.4M 45.3 42.5M 44.2 42.7M	3.0	58.9H 58.7 56.3 56.5H	6
SUFFOLK LAKE KILBY TANGTER TSCAND WALKERTON 2 NW WALLOPS ISLAND WSSF WARSAW 2 NW	35.5 30.3 32.2 33.6 32.9	- 3.2 - 2.6	31.2 26.3 29.8 30.4 30.1	9.7	45.9 37.8 43.8 42.6 44.0	- 3.0 - 1.3	57.0 50.3 56.1 54.5 55.9	- 1.5	54.4 58.0 54.7 59.2 64.4	I 1.7	73.8 71.8 73.4 69.7 73.3	5 - 1.7	76.2 75.2 75.8 73.8 76.4	- 1. - 2.	79.5 79.4 78.3 78.0 78.9	2.4 2.8	73.3 71.6 70.5 70.1 71.3		59.6 57.7 56.4) 57.7 58.2	- 2.8 - 2.5	54.6 52.7 50.8 52.3 51.8	1.9	44.5 41.4 41.0 41.6 42.7	2.4	58.0 54.4M 56.1M 55.3 56.7	1.5
MAVERLY WEST POINT 2 SW WILLIAMSBURG 2 N	32.8 34.4 34.2	- 4.9 - 4.9	30.0 30.8	-10.0	44.0 43.9 44.3	- 4.0 - 3.1	56.9 57.0 56.4	- 1.3 - 1.1	64.5 62.8 63.5	- 3,9 - 2,9	ŀ	- 1.4	76.9 75.8 76.4	- 1.3 - 1.5	79.4 79.0 78.1 79.2	2.0 2.6	72.0 71.6 70.6 72.0	-1 L-0	58.5h 58.2h 58.0		53.0M 52.9 54.4 53.6	3.9		4.0	56.9H 56.9	- 1.6 - 1.3
# # # EASTERN PIEDMONT 02		:						·				ļ														
AMELIA 3 SE ASHLAND CAMP PICKETT CHASE CITY COLUMBIA	31.3 30.7 32.8 32.8H	- 6.2	30.9 29.1 31.0 32.9 29.3	8.1	44.0 42.9 43.7 M	- 2.7	54.7 55.7 56.7 58.1M 55.9	- ,3	63.0M 64.0 62.4 64.8M 62.9		73.27 73.0 72.6 75.37 72.6	3	73.3 75.1 74.99 77.2 74.6	- 2.	74.9 76.9 77.5 78.41	1.5	68.3 70.4 70.6 73.7 70.3	1.6	54.3 56.0 55.5 59.31	- 3.1	48.1 49.5 50.3 48.5	1.5	38.5 40.5 41.1 44.4H 39.5	2.3	54.5M 55.3 55.8M	- 1.5
CORBIN CROZIER FARMVILLE 2 N JOHN M KERR DAM LAWRENCEVILLE 5 W	29.5 30.4 31.3 32.2 32.8	- 6.7	28.3 29.0 31.7 31.4 31.8	a.o	41.0 41.9 44.9 43.9	- 2.1	54.0 54.8 57.6 57.1 57.5	.0	62.1 62.4 64.7 63.6 64.0	- 1.1	71.7 71.8 73.6 73.7 72.5	٠.	74.8 74.0 75.2 75.9 74.4	- 1.6	77.5 77.1 76.8 78.3 75.8	ĭ.5	70.1 70.1 70.8 72.0 69.7	-2-1	55.8 55.0 56.4 56.7 56.4	- 2.0	49.3 49.3 51.0 51.9 53.0	3.1	41.2 40.6 42.5 42.7 43.4	3.9	54.7 54.7 56.4H 56.6 56.4H	9
LOUISA RICHMOND HSO AP DIVISION	30.3 33.4 31.4	- 4,1	29.3 30.3 30.4	- 8.7 - 9.1	43.5 44.5 43.5	- 2.2 - 2.4 - 3.0	55.7 57.3 56.3	5	62.7 65.5	- 2.6 - 1.0	72.0 74.7 73.1	7 2	73.8 77.5	- 2.6	76.0 80.1 77.2	1.3 3.6 1.8	69.9 72.9 70.7	1.6		- 1.6 - 1.0	49.2 52.5 50.2	2.1 3.5 2.2	41.1 42.5 41.5	4.0 3.5 3.2		1.3
WESTERN PIEDMONT 03			_																				_			
APPOMATTOX 3 M BEDFORD BRODKNEAL CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 M	28.7 28.7 29.6 28.9 28.8	- 7.2	29.6 30.6 30.6 30.0 28.8	- 8.6	41.6 44.7 42.9 41.7 41.5	- 2.1 - 4.1	56.3 54.7 56.7	- ,3	1	- 3,1	1	- 1.9	75,1 72,8 73,2	- 2.5	77.0 75.7 77.4 75.6 76.7	1.3	71.3 69.4 70.7	2.9	54.8 53.4 57.4	- 2.0	49.6 51.4 49.7 48.4 51.5	3.5	40.2 42.2 39.4 38.7M 41.7	3.9	55.3 53.8M	1.5
CHATHAM DANVILLE-BRIDGE ST LYNCHBURG MSD AP MARTINSVILLE FILT PL PHILPOTT DAM 2	28.6 31.3 29.2 27.9 27.5	- 8.6 - 8.6 - 7.4 - 9.2	28.7M 32.1 30.1 29.5 29.1	-10.5 - 9.6 - 8.6 - 9.5	41.1 44.9µ 44.1 43.2 41.7	- 5.3 - 3.4 - 1.4 - 3.0	54.2 57.9 57.2 54.3 54.4	- 3.0 - 1.3 - 2.7	59.8 64.0 63.6 60.8 60.2	- 6.1 - 3.7 - 1.6 - 4.6	70.4 75.0 72.4 71.1 70.4	- 2.7 .1 2 - 1.3	72.5 77.1 74.5 74.8 73.9	- 4.0	74.6 79.5 77.3 75.8 75.4	2.6	68.0 72.8 71.0 70.7 70.8	2.5 2.5 3.0	51.1 56.3 55.6 54.0 54.2	- 7.5 - 3.6 - 2.4 - 3.2	51.4 50.1 50.3 51.1	3.1	41.2 39.7 38.8 39.9	1.2	57.0H 55.4 54.3H 54.1H	2.1
PINEY RIVER 2 SE ROCKY MOUNT STUART 1 SSE TYE RIVER 1 SE DIVISION	30.1 27.6 28.7M 29.2	- 8.	30.8 29.1 31.7 30.2		42.4 44.8 42.9	_ 3 1	57.1 55.2 55.9 56.1 55.9	_ , ,	63.7 60.7 61.8 62.0		72.2 69.8 70.8 72.3	.8	74.0 73.8 71.5 73.9	- 2,	75.7 75.6 73.0 77.3		70.9 70.5 67.3 71.9		56.31 54.1 54.0 56.0		50.18 49.5 50.0 50.2	2.7	40.7 39.5 43.1 41.1		54.0M 54.4M 55.3	1.9
# * * # HURTHERN D4	28.9	- 3			72.7				02.0	J.	1		,,,,		70.2	1	] '''		] ""	3,,,	,,,,	•	***	"		[ ```
BERRYVILLE BIG HEADOMS CULPEPER ELKWOOD 6 SE LINCOLN	25.3 19.9 29.2 28.8 20.1	- 8.0 - 6.	23.0 18.6 27.9 27.3 27.8	-10. - 9.	37.9 32.1 43,4 42.24	- 4.0 - 2.0 - 2.2 - 2.6	51.7 46.0 59.2 54.2)	- 1.1 - 1.1	60.3 53.7 63.5 62.1	- 3,2 - 1.1 - 2.1	70.3 63.0 73.3 72.01	- ,7 .5 .3		- 2. - 1.	75.1) 67.6 77.0) 75.8)	2.1	69.0) 61.2 70.4 66.71 71.2	2.0	55.9	- 2.6 - 1.7 - 2.6	46.1 43.1 48.6 47.8 48.9	1.6	38.4 31.8 40.0 40.2M	2.0 3.0 4.2	51.8H 45.8 55.0H 53.7H	- 2.0 - 1.0 - 1.5
LURAY 5 E MANASSAS 3 NW MOUNT WEATHER PIEDMONT RESEARCH STA STERLING (RCS)	25.4 23.1 28.5 26.6	- 8.	Ι.	-12.2	37.9 44.2 33.6 40.6 38.1		51.6 56.8	- 2.5	59.5N 63.5P 57.5 61.7 60.4		68.51 75.51 67.9 72.4 70.0		71.01 77.61 70.01 73.8 72.4	- 2.	79.31	2.2 1.4	71.8	1.1	52.58 51.5 54.7 53.0	- 3.5	47.7h 50.5	Ī	38.1 41.2 35.1 39.7 37.2	3.4	-	2.6
WARRENTON 3 SE WASHINGTON WASH, OULLES WSO AP WASH, NATIONAL WSO AP WINCHESTER 1 N	27.7 25.1 27.3 32.5 25.0	- 4.6 - 3.1 - 8.1	26.6 26.0 26.7 31.4 24.1	- 7.1 - 5.5	39.3 39.3 40.6 44.4 39.7	- 1.2	52.5 51.4 54.2 57.7 53.5	1.1	61.5 59.7 63.4 65.8	4	71.3 69.4 71.6 76.7 71.0	.5	78.8	ا ـ ا	76.01 73.2 77.2 1 81.3 79.2	3.6	68.7 65.9 68.9 73.6 68.5	3.0	54.9 51.4 53.8 59.4 53.0	2:1	47.41 40.8 52.2 46.4	2.1	39.5 38.2 43.1 37.8	\$ . 2 5 . 7 2 . 5	53.2H 53.6 58.1 52.4	2.5
DIATZION	26.1 26.6	ĺ	24,9	-11.3	41.2		54.2 53.1	- 1.2	61.2	- 2.1	72.2	1.1	74.1	- 2.1	75.6	Į	69.5		54.9 53.7	1	47.5		38.6		53.4	1.6
# # # CENTRAL MOUNTAIN 05																	}									
BUCHANAN COVINGTON FILT PLANT DALE ENTERPRISE HOT SPRINGS LEXINGTON	28.2 27.1 24.5 21.9 27.1	- 8	29.5 28.8 29.2 22.5 27.7	-11. -10.	43.7 739.3 36.7 42.9	- 3.2 - 3.6 - 2.6	56.9 56.3 59.2 51.3 56.0	- :	57.0	- 2.3	72.1 70.8 70.4 66.9 71.4	3 6 2 1	70,1 72,3 70,6	- 1.	76.1	2.2 3.2	70.7 70.56 68.1 66.5 70.3	2.: 3.: 3.:	55.2 54.7 53.1 50.6 54.1	- 2.4	1	1.6	39.2 38.8 37.9 35.2 38.9	3.2	54.9M 54.4M 51.8M 49.8 54.0	1.0
MONTEREY ROANDKE WSO AP STAUNTON SEWAGE PLANT TIMBERVILLE 3 E DIVISION	21.4 27.8 24.3 24.4	- 7. - 8. - 9. - 8.	29.5 7 22.8 9 22.6	- 7. - 8. -12. -12.	36.7 6 44.2 3 37.7 3 39.4 40.5	1	49.6 56.3 52.5 53.1 53.9	1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	57.0 63.8 58.7 61.1	- 1:	65.5 72.7 69.1 71.9	1.2	76.0	- 1.	75.8	3.4	64.7 71.4 67.2 69.2	3.5	49.0 54.0 50.9 53.5	- 1.9	44.7 49.5 46.0 47.1	2.6	34.2M 39.5 36.7 38.2	3.6	55.2 51.0	2.9
SOUTHWESTERN MOUNTAIN 06		- 70					55.5				68.9		72.1		73.2		70.9		55.1		50.3		39.7		53.BM	
ABINGOON 3 5 Blacksburg 3 5e Burkes Garden Floyd 2 Ne	26.9 21.5 22.7 23.9	- 8. -10.	20.8 23.5 22.8 22.8 25.7	-10.2	44.0 37.7 39.5 7 39.5	- 2:1	52.2 50.5 51.8	- 1:	57.3 55.8 56.9	- 1.1 - 4.1	67.7 64.5 66.4	- 1.5	67.0	4·	71.7		68.1	2.0	52.0 47.8	- 3.3	47.1 44.17 46.1	۹ ع.:	36.1 36.1 36.1	3.4	50.4 48.4H 50.1	1,2

### AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Table 1		4:											,	771/	101	100		<u> </u>								(91
	Jai	nuary	Feb	ruary	м	arch	А	pril	,	lay	J:	ine	Ju	ıly	Aug	gust	Septe	mber	Octo	ber	Nove	mber	Decen	nber	Ann	aual
Station	Temperature	Departure	Temperature	Departure	Тепрелация	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Тетретаture	Departure	Temperature	Departure	Temporature	Departure	Temperature	Departure	Temperature	Departure
GALAX RADIO WBOB GRUNDY MARJON EVAP STATION MT LAKE BIOLOGICAL STA PENNINGTON GAP	24.6 24.4 25.6 19.4 28.3	- 6.1	27.6 26.0M 27.8 19.5 30.6		41.8 42.7 42.0 34.8 46.5	2.6	54.3 46.1 57.0	2.	59.4 60.5 60.5 54.1 62.5	5	68.0 70.7 68.8 63.0 71.0	1.0	71.8 65.1		71.5 74.6 72.3 66.5 73.5	1	66.8 71.4 69.4 62.0 70.3	3.9	51.4 53.3 53.9 46.7 53.1	- 2.	47.2 49.1 49.2 43.4 49.3	5.:	36.7 36.0 37.9 32.3 39.0	2.	51.6 52.8 46.1 54.6	.4
PULASKI 2 E STAFFORDSVILLE 3 ENÉ NISE 1 SE NYTHEVILLE 1 S	25.8 24.7 24.8 25.7	- a.ī		- 9.1				1	59.8 59.6 59.8		68.2		1		71.7 72.9 71.3 72.8		1	ĺ	l	i	i	3.9	Ĭ.	2.	52.1M 52.3M 52.6 52.3	.7
DIAIZION	24.5	- 9.7	26.1	- 9.7	41.3	- 1.7	53.1	5	59.0	- 3.0	68.0	8	70.7	- 1.	71.5	.1	67.9	3.0	52.1	- 2.0	47.9	3.7	37.1	1.	51.6	1.6
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				bruary March April May June July August September October November December Annual    O																						
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### TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

TABLE 2						TC	TAL	PRE	CIPIT	ATIC	N A	ND I	DEPA	RTUR	RES F	RON	1 NC	DRM/	٩L						IRGINIA 978	
c	UMAL	ARY	FEBRU	JARY	MA	ксн	APR	ıa.	. M	AY .	JU	NE	ŲĘ	LY	AUGL	IST	SEPTE	MBER	ост	OBER	NOVE	MBER	DECE	MBER	ANN	IVAL
STATION	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIF.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
TIDEWATER 01																										
BACK BAY WL REF BUHANNUN 1 NE BUYKINS COLUNIAL MEACH DIAMOND SPRINGS	7.50 5.15 6.91 8.00 6.80		1.30 1.12 1.26 1.02		5.94 7.95 6.61 5.88 9.17	5.48	3.27 5.27 4.68 3.41 2.88	.04	9.31 6.52 5.29 6.41 7.13	3.67	3.95 2.03 7.95 6.33 8.92	5.01	3.30 4.54 4.51 4.60 3.92	- 1.89	3.08 5.45 5.81 3.11 4.17	įt.	2.62 2.62 E 1.50 E .78	- 3.05	1.35 1.32 1.91 .84		5.45 5.58 5.14 2.42 4.65	1.61	E 2.11 3.59 3.51 3.35 2.46	- ,83	51.14 51.14 55.08 44.15 54.31	7.32
ORIVER 4 NE EMPORIA 1 MNW FREDERICKSBURG MATL PK HOLLAND 1 E HOPEWELL	E 9.79 6.02 7.54 6.60 8.06	2.46 3.16 4.75 3.14 5.21	1.57 1.32 .28 1.46	- 2.25 - 2.11	3.76	3.82 2.57 .21 3.38 3.35	1.74- 6.17 3.40 4.49 4.00	1.13 3.29 .59 1.54 1.01	5.60 3.46 5.84 5.45 4.84	1.85 .28 2.39 1.94 1.15	5.64 4.48 3.62 6.08 3.16	1.70 .56 .48 1.57	4.55 5.67 2.48 5.17 3.92	.88 - 36 - 1.72 - 73 - 1.44	7.46 3.38- 3.32- 6.54 6.53	2.11 1.16 1.47 .29	2.11 2.33 .52 1.33 5.91	- 1.93 - 1.37 - 2.72 - 2.81 2.27	3.29 .86 1.37 1.89 1.19	- 1.68 - 1.61	4.29 4.06 2.31 3.93 4.74	1.27 1.35 61 .81	2.78 3.62 4.01 3.31 3.88	51 .40 .83 .06	38.65 53.10	6.91 4.65 - 1.20 5.67 11.09
LANGLEY ATR FORCE B HOLLUSK 1 SW NEWPORT NEWS PRESS BLD NORFOLK WSD AP DYSTER	4.76 E 6.73 5.49 6.32 E 8.40	1.66 2.97 5.37	1.33 F .97 1.65 1.91	- 1.40	5,24 6,30 7,80	3.62 4.38 1.80	3.93 4.44 3.24 2.90 5.16	1.28 .19 2.45	6.22 4.71 4.97 5.64 4.65	2.72 2.30 1.63	3.57 3.73 4.37 7.84 3.91	• .02 • .22 • .57	3.39 4.27 5.55 4.19 E 3.65	- 1.57 - 1.51 65	2.25 5.45 5.56 1.66 2.67	4.26	1.59 1.11 2.77 1.17 2.02	- 2.47 - 3.03 - 1.79	2.28 .86 1.86 1.50 1.78	- 1.50	4.76 4.70 4.35 4.40 E 5.51	1.46	3.19 4.31 E 3.06 2.31 E 3.09	.19 80 12	43.78 46.52 49.19 47.64 48.21	2.96 7.43
PAINTER 2 W STORY CREEK 5 SSW SUFFOLK LAKE KILBY TANGIER ISLAND WALKERTON 2 NW	5,95 7,11 5,92 5,97 7,44	4.46	1.22 E 1.04 1.27 E 1.34	- 2.40	5.52 7.08 6.40 5.77 5.17	1.57	4.42 6.13 2.75 3.55 4.00	1.10	5.80 4.03 5.32 2.74 5.34	1.34	2.12 2.96 6.21 1.56	1.79	5.73 4.34 3.07 4.85 2.36	2.86	1.77 3.67 8.10 7.70 3.82	1.31	1.40 .85 .95 .61	- 1.92	1.61 .75 2.51 .68	- 2.54	5.51 E 4.67 3.91 5.65 3.73	.38	3.58 E 4.14 2.68 2.90 3.97	.66	45.63 46.77 48.99 42.92 44.17	.27
WALLACETON ÜK DRUMMOND WALLOPS ISLAND WSSF Warsam 2 NW Waverly West Point 2 SW	6.99 6.14 7.61 7.50	3.42 3.03	1.58 .98 .44		6.53 4.32 4.78	2.72	3,30 3,35 4,03	.28 .26	6.97 5.22 9.31 - 5.16	3.09	7.52 1.64 3.42	2.96 - 1.82	2,29 6,38 2,07 4,31	- 3.46 2.48	4.67- 1.31- 4.97 11.17 4.36	1.21	.95 .68 .48 3.25		1.67 3.04 .48 1.14	- 1,87 .20	5.44 5.06 3.20 5.57 4.83		2.58 3.14 3.87 4.75 4.09	- ,95 - ,14	50.49 41.26 44.66	2.16
WILLIAMSBURG 2 N	6,40	3.15	1.01	- 2,40	6.74	3,09	4.20	1,35	7.41	3.55	3.50	64	6,07	.81	9.49	4.70	2.12	- 1.51	.72	- Z.10	5.32	2.43	4.20	.99	57,18	13.42
DIVISION	6,72	3.44	1.12	- 2.00	6.25	2.71	4,02	1.20	5.83	2.42	4.27	.57	4,22	- 80	4.88-	.07	1.58	- 2.10	1.37	- 1.60	4.55	1.61	3.46	.31	48,27	5.89
EASTERN PIEDHUNT OF																		-								
AMELIA 9 SE ASMLAND BREMO BLUFF BUCKINGHAM CAMP PICKETT	8,32 8,82 9,56 10,05 8,05	6.82	.41 .51 .71 .50	- 2.10	6.63 5.90 4.80 4.47 6.12	1.13	3.88 4.09 4.58 5.04 5.92	1,67	5.24 5.50 4.97 5.99 3.82	1-43	5.32 3.63 4.06 4.96 3.15	.90	4.16 3.33 3.79 4.27 7.11	23	11.66 5.72 2,83 3.36 5.71	1.47	3.67 1.02 2.67 1.83 3.49	72	1.08 1.10 .87 .99	- 1.88	4.70 3.11 2.74 3.32 4.04		4.19 4.14 3.36 3.65 4.67	•07	59.26 40.87 44.94 48.43 53.87	5.57
CHASE CTTY CLARKSYTLLE COLUMBIA CURBIN CROZIER	8.40 8.40 8.66 9.21 8.87	5.21 6.06	. 48 .41 .39		5,55 4,94 4,41 5,23	1.89 1.53	5.92 4.51 3.94 4.01	2.70 1.56	3.77 5.53 4.62 6.07 4.89	2.13 1.15	3.50 4.73 4.44 4.50 8.14	.85 1.64 4.54	E 9,51 6,24 3,55 2,80 3,30	37	2.40 5.00 4.10 5.06 6.64	.59 .04	1.70 2.67 1.56 1.35 2.02	- 1	1.25 1.32 1.08 1.41		E 4.11 3.79 2.84 2.55 3.12	.75 .18	4.50 4.74 3.14 4.39 4.08	1.62 .04	48.04 54.37 43.85 46.08 51.43	12.43 5.58 9.15
FARMVILLE 2 N GORDONSVILLE 3 S JOHN H KERR DAM LAWRENCEVILLE 5 W LOUISA	8.16 8.47 7.68 6.99	5.00	.63 .31 .61 .62		5.32 4.48 5.99 6.04	1.47	4.92 3.25 5.78 6.65 3.67	1.79	5.76 4.96 3.88 4.12 4.77	2.03	4.07 2.34 4.58 2.54 5.75		3,92 4,02 5,99 4,67 5,38	Ba	6.09 6.82 5.21 4.80 6.26	2.05 3.47	1.42 .66 3.15 2.77 2.36		.73 1.43 1.03 .91 1.15		4.44 2.36 3.61 3.40 2.58	1.34	3.96 4.18 4.44 4.78 3.63	.57	49.42 43.28 51.45 48.19 50.43	8.81
PALMYRA 1 E RICHMOND WSD AP F	7.38 7.97	9.11	.34	- 2.53	3.20 5.67	2.29	3.59 4.31	1.54	5.23 3.92	.50	4.34 5.26	1.74	3.40 4.24	1.39	4.05 5.93	.87	1.29	- 3.32	1.55	- 1.73	2.37 4.57	1.37	3.04	.58	39.78 47.62	5.03
DIVISION	8,49	5.56	.47	- 2.56	5.32	1.73	4.81	1.77	4.70	1.25	4.57	1.06	4,50	- ,24	5.97	1,59	2.06	- 1.47	1.11	- 1,75	3.59	.58	4.13	. 87	49.72	8.37
WESTERN PIEDHONT OF		,													İ		•									
ALTAVISTA APPOHATTOX 3 W BEDFORD BROOKNEAL CHARLOTTE COURT HOUSE	8.20 5 7.16 5.83 9.43 5 8.86	4.40 2.8				1.09	5.50 4.78 4.44 6.97 7.64	1.46	7.59 6.44 6.12 5.52 5.00	2.88 2.15	2.79 3.16 3.89 3.41 3.74	.01	3,81 4,35 2,90 5,02 5,94	.02 - 1.40	4.51 2.40 3.70 6.10 5.42	1.46	.57 1.69 1.18 .24 1.35	- 2.28 - 2.45	.72 1.04 .49 .75	- 1,79 - 2,55	3.13 3.94 2.91 3.47	.65 .09	3.55 3.74 3.38 4.39	.54	45.81 42.33 40.39 51.53	1.90 - 2.66
CHARLOTTESVILLE 2 W CHATMAN CUNCORD 5 S DANVILLE-BRIDGE ST FREE UNION	9.70 8.53 9.08 8.73 8.33		. 82 .70		4.52	.93 1.60 1.20	3.22 7.71 5.69 7.70 2.72		6.29 5.22 5.28 5.27 6.82	2.39 1.60 1.39	2.91 3.00 4.02 3.13 3.35		4.92 5.64 4.73 4.74 6.92	24 1.18	6.81 2.69 3.37 3.98 5.03	1.98	2.15 3.37 1.40 3.44	- 2.04 85 53	1.39 1.35 1.05 1.68	- 2.05 - 1.57 - 1.12	2.83 3.99 3.96 3.67	l6 1.00	4.26 4.63 3.59 4.75 3.47	.81 1.28	49.76 52.29 46.89 52.67 46.60	
HOLCOMBS ROCK HUDDLESTON 2 SW LYNCHBURG WSO AP MARTINSVILLF FILT PL MEADOWS OF DAY 5 SW	6,95	5.20 4.99	,65 .49 .34 .68	- 2.25 - 2.67	4,17 5,25 3,84 6,08 5,66	.38	4.55 6.53 5.33 7.16 5.50	2.60 3.70	5.54 5.20 6.69 6.16 5.25	3.47 2.32	1.33 4.52 3.36 3.41	.07	4.87 4.20 4.83 6.75 8.52	.7a	2.73 3.89 4.06	.16 .17	1.10	- 3.28 - 2.82	.78 .50	- 1.76 - 2.22	3.17 4.08 3.22 3.38 E 4.23	.52	3.45 3.70 4.06	.85 1.66	41.22 46.58 44.59	6.32 9.04
MONTEGELLO 2 NE PEDLAR DAM PHILPOTT DAM 2 PINEY RIVER 2 SE RANDOLPH 5 NNF	10.61 8.28 8.02 8.73 9.56	7.45 5.32	.49 .33 .34		4.93 5.73 4.17		4.78 2.97 6.66 3.79 7.92	.79 .52	9.13 5.94 5.77 5.52 4.88	4.36 2.00	3.78 3.27 4.73 3.46 5.68	19	4.90 5.26 6.33 5.93 4.31		2.98- 4.73 5.11 4.11 5.05	1.59 .30	.36 1.43 1.17	- 4.16 - 2.62 - 2.85		- 3.22 - 2.35	'	54	4.46 3.78 4.18 3.61		50.99 44.90 52.27 43.91 54.08	1.32
ROCKFISH ROCKY HOUNT STUART 1 SSE TYE RIVER 1 SE WOOLWINE 4 S	8.72 7.57 7.22 8.75	5.50 4.74	.33	2.81 2.64 2.58	1	2.14 2.14	3.93 8.12 4.56 4.35 7.25	.39	6.65 4.77 5.26 5.89 6.77	2.64	3.69 2.82 2.76 2.63 3.83	.66	5,72 6,21 9,98 5,55 9,21	1.25	3.55 5.17 5.88 1.61	1.20		- 1.47 - 3.69 - 2.78	1.36 .65 .81 1.73	- 2.07 - 2.53 - 1.26	2.85 3.76 3.14 2.60	34 1.06	3.90 3.58	.07 .41	47.74 49.96 53.56	1.17
DIVISTON  * :* * NORTHERN 04	8,19	5.21		2.63			5.89	2.56	5.71	1.91			5,45	1.07	.	.03		- 2.63		- 2.05		-				5.76
AMISSVILLE BERRYVILLE BIG MEADOWS CULPEPER ELKWOOD 6 SE	6.96 6.33 9.93 9.21 7,79	6.50	.32	1.22 2.24 2.20	3,53	.03	1.63 1.08 1.94 2.38 2.28	.84	5.38		4.58		4.91 5.40 6.06 6.19 3.41	1.64 1.91 1.86	5.31 5.51 3.41- 6,40 4.70	1.48 2.06 2.19	1.12 2.04 .69 2.08	- 1.10 - 4.27 - 1.50 - 2.36	.78 .96 1.14 .73	- 1,93 - 3,62 - 2,10 - 1,70	3.84 2.48 3.11 3.01 2.52	33 - 1.01 03	E 4.19 4.27 E 5.54 3.95	1.66 2.28 .99 1.01	E 40.34 E 41.70 E 48.04 47.76 40.70	5.01 58 6.78
LINCOLN LURAY 5 E MANASSAS 3 NM MOUNT WEATHER PIEDMONT RESEARCH STA	7,11 7,79 7,40 6,51 8,71	4.43 5.04 4.31	1.02	1.66	3,27	.53	1.73 2.47 1.49 1.54	· 1.60	5,73	1.89	3.22 6.51 2.69	3.09	3.80 4.10 3.11 5.24 4.60	65	3.41 3.77- 1.83 3.57- 8.34	. 86	1.21 1.17	- 2.0Z - 2.24		- 2.07 - 2.48 - 2.55		1z 43	3.40 4.66 2.61 4.02	.14 1.94	37.57 42.34 32.14	- 3.48 3.72
RAPIDAN RIVERTON STERLING (RCS) THE PLAINS 2 NNE	7.67 2 8.31 7.94	9.04	.46		3.87 5.75 3.20 2.51	.85	1.68		5.86 5.29		3.75 4.11 3.29		5,30 5,20 3,71 5,14		3.11 4.72 5.50 7.43	1.16	1.20 .91 2.17		.94 .97		2.56 2.81 2.72		E 3.90 3.92 E 3.37		40.83 40.40 42.74	,
VIENNA DUNN LORING WARRENTON 3 SE WASHINGTON	7.21 7.97 5.42		.38	- 2.16	2.98 2.98 2.39	•27	1.99		5.80 4.79	1.67	3.37 4.07 2.22		5.72 4.85 3.66 ng Statio		6.32 4.73 5.08	1.65	1.08	- 2.59	.94		3.40		3.91	.70	43.18 42.47	1.25

- 4 -

TOTAL	DDECIDITATION	AND DEPARTURES	EDOM NODAMI

STATION  H. DILLES WSO AP H. NATIONAL WSG AP R CHESTER I NOSTOCK	JANU	DEPARTURE	FEBRI	JARY E	MA	RCH	API	ea.	M	.4	JUI	NE	JUI	.γ	AUG	ust	SEPTEA	ABER	осто	DBER	NOVE	MBER	DECE	MBER	ANI	NUAL
H. DILLES MSD AP H. NATTOMAL WSD AP R CHESTER 1 N	6,55	₹	ď	₩		. 1					1		$\vdash$		<u> </u>	-	1							-		
H. NATIONAL WSO AP R	6,55 7,11		PREC	DEPARTU	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
J	5.92 6.83	3.71 4.49 3.69 4.78	.25 .42 .65	- 2.36 - 2.03 - 1.54 - 1.48	2,85 4,48 3,12 2,85	1.15	1.62 1.38 1.25	1.34 1.48 1.75	5.05 5.13 5.17 4.07	1.37 1.45 1.53	4.36 2.43 4.07 2.64	.36	4.52 4.28 7.35 4.04	•40 •16 3•23 •34	4.29 9.85 6.15 5.56	.04 1.18 2.30 1.89	.78- 1.01- 2.34- 1.32-	2.07	.79 1.16 1.32 .75	- 1.95 - 1.50 - 1,64 - 1,76	3.02- 2.31- 2.52- 2.33	59	3.58 4.00 3.69 3.73	.11 .96 1.15 1.41	37.66 39.56 43.55 35.20	6.
DIVTSION  * * * NTRAL MOUNTAIN 05	7,38	4.81	,47	- 1.90	3.25	13	1.77	1,28	5,58	1.76	3.73	.07	4.67	•50	4.88	.57	1,35	2.10	.98	- 2,08	2,63	- ,36	3.93	.99	40.64	
HANAN NA YYSTA FTON FORGE INGTON INGTON FILT PLANT	6,77 5,46 5,28 6,41 4,72	2.69	.62	- 2.38 - 2.16 - 2.50 - 1.78	4.88	1.68 .18 1.01 .52	2.35	40	6.31 5.58 5.06 4.87 4.39	2.55 2.34 1.24 1.61	2.91	2.08 2.34	4,88 3,88 2,29 4,42 3,36	46 01 1.37	3.24 4.00 1.73 5.15 5.37	.36	2.66 .89 .54 .95	1.11 2.57 2.77 2.01	.99 .69 .68 .70	- 2.37 - 2.47 - 2.31 - 1.76	2.66	1.10 02 -16	3.53 4.50 3.87 3.68 3.91	1.32	43.36 38.31 31.28 38.17 36.40	3 - 8. 7 3.
IGSVILLE E ENTERPRISE RFIELD 1 S LEHUPST SGOW 1 SA	7,43 5,13 6,11 5,62 10,00	3.36	.58 .25 .22 .67	- 1.65	4.46 3.43 E 4.37 4.96 6.01	.60	3.84 1.31 3.70 4.26 3.89	1.12	7.13 4.20 5.38 4.54 7.20	-48	2.39 3.31 2.82 1.03 2.94	.06	5.38 6.66 4.15 5.09 3.56	2.75	5.23 6.32 5.21 2.41 2.71	2.21	.16 1.03 1.09 1.08 1.50	2.26	.78 .72 1.07 .68 .71	ľ	3.43 2.94 E 3.57 2.98 2.81	.37	4.85 2.88 4.68 4.41 4.14	. 75	45.76 37.78 42.37 37.73 46.01	3.
HEN SPRINGS RS CREEK 1 WSW INGTON DOWELL	7.79 6.82 7.40 6.25 6.80	5,27 4,04 3,71	62 32 52		4,39 4,23 4,82 5,30 3,15	.78 .31 1.72	2.82 2.56 3.05 2.08	02	4.91 5.31 5.12 4.40 3.68	1.60 1.70 1.16	2.36 2.87 2.07 2.41 3.21		3.63- 5.36 E 3.00 2.19- 5.31	1.27	2.08- 5.61 2.34 4.09 3.69	1.68	.92 .58 .41 .34	2.55 2.92 3.27	67- 1.88- 23- 71- 1-50	- 2.11 - 1.13 - 2.06	E 2,82	.37	3.61 4.09 5.15 3.73 4.18	1.03 1.03	36.99 42.58 36.73 34.55 36.14	¥ .
LGAP 2 NNW L RUM FARM TEREY NTAIM GROVE CASTLE	6.52 6.28 7.29 5.87 6.48	4.83 3.87	.32 .57 .78 .82	- 1.94	4.40 4.27 4.71 4.42 5.34	1.21	2,64 2,72 2,74 1,91 5,06	· .55	4.00 4.70 4.35 4.61 5.28	.63 1.82	3.27 1.97 3.06 2.79 2.63	67 71	5.95 2.37 4.95 6.91 3.40	.93	4.15 4.07 2.96 4.07	.70	1.08 .88 .40 1.33 1.69	2.97	1.33 1.38 1.87 1.30	ĺ	3.28	•47	5.89 6.09 6.13 5.12 4.17	3.14	42.81 36.57 42.28 42.43	3.
TH RIVER DAN NOKE WSO AP UNTON SEWAGE PLANT BERVILLE 3 E	4.18 6.12 6.48 5.81		.71	- 1.67 - 2.44 - 1.33 - 1.74	3,55 5,92 4,05 3,38	.13 2.59 .97	1.36 7.54 2.17 1.55	1.55 4.74 55	4.11 4.85 3.78 3.49	.34	3.33 2.05 1.83 3.51	1.46	4.17 4.93 2.47 5.32	1.09 1.09	5.90 6.33 4.67 6.66	1.72 2.18 1.30 2.38	.47- .52- 1.56- 1.46	3.56 2.90 2.00 1.99	.99 .78 .74	- 1,89 - 2,41 - 2,01 - 1,59	2.55	.908 .08 .22	5.06 3.15 3.38 3.76	. ന പ	37.77 45.29 34.39 38.03	. ۵
DIVISION	6,15	3.65	. 52	- 2,12	4,47	1.07	3.20	.31	4,56	.95	2.52	1.05	4.45	.49	5.03	1.02	1.07	2.50	1.02	1.99	2.57	.04	3.84	. 95	39.40	
UTHNESTERN UNTAIN 06 NGDEN 3 5 ISONTA 2 5 CKSBURG 3 5E ND KES GARDEN	4.18 5.39 4.35 3.50	.86	1.05 T .59 1.47		5.39 E 6.90 4.79 4.43 4.52	.46	2.76 3.22 6.63 4.27 4.17	. 65	4.67 5.28 3.90 4.36 4.39	.63	3.59 2.44 1.78 2.93 2.86	. 97	4.45 3.80 5.15 2.80 4.40	•32	4.84 3.67 3.10 3.84 3.33	.57	1.23 2.43 45 .58	2.53	1.83 .19 1.23 1.05	- 1.50	3.32 3.59 2.88 3.11 3.76	•73	6.32 3.69 5.10 3.82 5.59	2.15	42.85 39.40 41.93 36.03	
PER MILL 1 NNE PER MILL 1 NNE AX RADIO WAOB N LYM	5.71 6.19 6.76 5.43 4.09	2.71	.54 .43 .40 .30	2.74 2.84 2.75 2.35	5.46 5.30 4.58 5.17 4.41	.62 1.03 1.68 1.13	3.77 7.03 5.90 3.68 4.37	3.67 2.49 .38 1.56	4.42 4.76 4.49 4.36 3.00	.81 .67 .80	3.81 3.78 4.37 2.26 3.80	.40 .39 -1.70 .63	2,84 E 5,56 4,46 3,32 2,41	1.ln .35 1.24	5.32 5.41 5.06 5.04 2.82	.87 1.21 1.02	.45 1.12- .69- .67- 1.69	3.67	19 1.24 1.43 .87	2.50 1.71 2.18 1.10	2.40 2.81 3.38 2.43 2.29	.03 .62 .34	3.57 3.48 3.65 3.55 3.73	.36 .31 .41 1.08	38.48 46.31 45.17 37.08 33.97	2.
NDY LSVILLE 1 S EPENDENCE 2 N W FLANNAGAN LAKE AYETTE 1 NF.	4,75 E 6,32 4,69 4,92 5,44	3.70	.93 .44 .43 1.34		3.03 5.02 5.50 3.30 4.70	1.35	3.95 4.84 3.99 3.77 6.79	1.62	4.64 5.31 4.57 4.66 5.56	1.41	2.18 2.65 3.80 2.09 4.01	- 1.40	4,94 4,98 1,83 5,39 3,70	.53	4.67 6.30 7.01 5.96 2.38	2.49	1.27 1.34 3.39 1.34 1.09	2.47	1.57 .87 .37 1.94	2,12	2.75 2.64 3.51 2.92 2.90	.09	5.67 3.76 3.57 5.73 3.78	.68	41.35 44.49 42.66 44.36 41.13	
ION FYAP STATION LAKE BIOLOGICAL STA PORT 2 NW TH FORK LAKE NINGTON GAP	3,42 6,48 4,74 4,92	. ,84	.78 1.34 .46 1.27	- 3.13	4.11 5.99 4.23 3.70 5.19	- 2,29	4.08 8.45 5.40 3.24 2.11	1.82	4.12 4.67 2.50 7.04 6.12	2.43	3.45 1.85 3.46 2.73	1.36	5,46 6,03 2,70 7,09 6,31	.85	4.09 7.17 2.95 4.26 8.43	4.34	1.67 .60 1.15 1.21	1.99	1.71 1.32 .65 1.63	986	3.59 3.77 2.88 3.04 4.31	-60	5.21 5.08 3.10 6.27 7.27	2.71	40.36 55.42 32.06 47.07 48.81	
OT 1 ENE ASK1 2 E FORO EDWELL FFORDSVILLE 3 ENE	6.77 5.53 4.35 5.16 5.53	4.26 1.75 2.70	.29 .57 .42 .55	2.25	5.38 4.28 4.37 4.50 4.67	2.15 1.11 1.31	6.50 4.88 4.25 4.21 4.42	3.60 1.48 1.48	4.85 4.75 4.14 ! 3.63 4.00	1.43 .93	3.70 1.70 1.75 1.37 3.64	1.35	3.88 5.64 3.25 4.08 3.18	• • • • • • • • • • • • • • • • • • •	2.86 3.85 2.43 5.98 4.51	.60 .99 2,34	.14 .06 .38	2.69 2.82 2.78	1.07- .23 .99- .35-	1	2.32 2.31 3.20 2.37 3.02	•10 •95 •13	4.12 4.05 6.28 3.37 4.14	1.47	42.20 37.93 33.09 35.95 39.82	- 2.
UT DALE 3 SSE E 1 SE HEVILLE 1 S	4.77 4.41 3.66	1.03	.66 1.34 .41		4,94 2,60 4,19	.90	3.86 3.55 4.79	1.90	3.85 5.94 3.77	.26	3.56 3.42 1.63	1.45	4.25 5.30 4.21	.27	6.23 3.50 7.97	4.13	1.71 1.71	2.90	.70 1.56	1.87	3.22 3.83 2.93	.59	4.09 6.64 3.13	.38	40.42 44.00 37.33	
DIVISTON	4,84	1.60	.86	- 2,54	4,35	.37	4.57	1.22	4.50	.86	2.84		4,94	•19	5.04	1.05	.93-	2.30	1.21	1,34	3,25	.42	5.11	1.77	42.44	
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TEMPERATURE	EXTREMES	AND	FRFF7F	מדממ
		11111	1 111111711	1/71/7

Table 3			Τ.	EMP	LK#	710	UKE		-X1	KE	.ME	ン —	AN	υ —	FRE	:E	ZE	DA	ATA							VIRG 1978	INIA		
							Las	si spr	ing mir	nimu	n of			_			;	First	fall mir	imu	ım of						ber of ween o		
Station					16°		20° d		24° d	[	28° o		32° o belov		32° o: belov		28° c	- 1	24° c		20° o		16°		below	мо	below	below	below
	Highest	Date	Lowest	Date	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	ية	16° or be	20° or belo	24° or be	28° or be	32° or be
* * * TYDEWATER 01																			· · · · · · ·										
BACK RAY WL REF BHANNON 1 NE BHYKINS CHINITAL BEACH DIAMOND SPRINGS	95 97 97 97 97	8-30 7-24+ 7-23 7-24+ 7-24	12 10 10 0	1-10 2- 5 2- 3+ 2- 7 1-11	2-11 2-11 3- 5 1-13	12	3- 5 3- 5 3- 6 3- 5	18	3- 6 3- 6 3- 6 3- 7 3- 6	24 22 23	3- 7 3-18 3-11 3-18 3- 7	28 27 25	3-31 4-28 3-18	32 32 25	11-27 12- 2 10- 9 12-10 12-10	32 30 27	10-25 12-10	28	12-11	23 24	NONE NONE 12-28 NONE NONE	20	NONE NONE NONE NONE			298	280	228 267	259 246 164 267 267
FREDERICKSBURG NATE PK HOLLAND 1 E HOPEWELL LANGLEY AIR FORCE B MOLLUSK 1 SW	99 95 100 96 95	7-23 7-24+ 7-24+ 8-29 8-30+	5 10 10 17	2-21+ 2-5 1-10 1-10	3- 6 2-23 NONE	13	3- 6 3- 5 2-23		3-11 3-6 3-5	23	3-11 3-19 3- 7	1 1	4-23 3-20 3-18		10- 9 10- 8 10-25 12-10 11-29	31 32 32 32	10-25 12-10 11-26 12-28	28 26 28 27	12-10 12-11 12-11 12-29	20 22 24 23	12-10 12-29 NONE NONE	20 20	NONE			279 299	274	228	169 202
NEWPORT NEWS PRESS BLD NORFOLK WSD AP OYSTER PAINTER 2 W STONY CREEK 5 SSW	100 96 95 97	7-22 8-29+ - 7-10 8-30+	13 15 11 4	1-10 1-12+ 2-10+ 2-5	2- 5 1-12 2-21 2-12 3- 5	15 14 15	3- 5 2- 7 3- 5 3- 5 3-18	20 19 20	3- 5 3- 5 3- 5 3- 7 3-18	24 19 22	3- 8 3- 7 3- 8 3- 7 3-18	28 25 22	3-18 3-11 3-17 3-31 5- 2	30 30 30	12-10 12-10 10-18 10-9	30	12-13 - 12-11	28 24	12-11	24	NONE NONE 12-30 12-28	20	NONE NONE NONE	,	-		299 279 252	281	
SUFFOLK LAKE KILBY TANGIER ISLAND WALLOPS ISLAND WSSF WARSAW Z NW	96 95 97 94 97	7-23 8-29 7-23 7-22 7-23	12 8 1 14 8	2- 5+ 1-10 2- 3 1-10 2- 5	2-11 3- 5 3- 5 1-11 3- 5	15 14 16	3- 5 3- 5 3- 6 3- 5 3- 5	19	3- 6 3- 8 3-18 3- 5 3- 7	23	3-7 3-18 3-18 3-7 3-11	23 27	4-28 3-18	32 31	11-25 12-10 10- 9 12- 2 10- 9	26 29 32	12-10 10-25 12-10	26 27 27	12-11 12-10 12-11	21 23 23	12-28 12-11 NONE	20 18	NONE NONE 12-28 NONE NONE	16	298	298 280	284 278 267 281 278	267 221 278	267 164 259
WAVERLY WEST POINT 2 SW WILLIAMSBURG 2 N  * * *  EASTERN PIEDMONT 02	98 95	7-22 7-23+	6 9	2+ 3 1-12+	- 3- 5 2-23		3- 5 3- 5		3-18 3- 7	24	3-18 3-19	24 27	4-23 3-31		10- 9 10- 9 10-17	31	11-26	28	12-11	22	12-29 NONE	15	12-30 12-29 NONE	15	299	299	268 279		169 200
AMELIA 3 SE ASHLAND CAMP PICKETT CMASE CITY CNLUMBIA	94 96 96 97 98	8-29+ 7-22 7-24+ 7-24 7-24	7 5 6 8	1-11 2- 3 1-11 1-11+ 2- 3	3- 5 3- 5 3- 5 3- 5	11 14 15	3- 5 3- 6 3- 6 3- 5 3- 5	19 20 15	3- 6 3-18 3- 6 3- 6 3-18	23 20 24	3-18 3-18 3-18 3-19 3-18	23 26 26	5- 3	32	10- 9 10- 9 10- 9 10- 9	30	10-25	27	11-26	24	12-11 12-12	18	12=28 12=28	14	298	280	205	221	171
CHRRIN CHOZIER FARMYILLE 2 N JAHN H KERR DAM LAWRENCEVILLE 5 W	97 96 96 98 96	7-24 7-24 7-23+ 6-29 7-23+	7 6 6 11 6	1-16+ 1-11 1-11 1-12+ 1-11	3- 5 3- 5 3- 5 2-12 3- 5	14 13 13	3- 6 3- 6 3- 6 3- 5	17 17 20 19	3-18 3-18 3-18 3-6 3-18	23 23 21 19	3-18 3-18 3-18 3-9 3-18	23 23 21 28	4-23 4-28 5- 2 3-19 5- 2	31 32 32 32 29	10- 9 10-25 10- 9 10- 9 10- 8	31 32 27 32	12-10 11-26 10- 9 11-26	21 27 27 28	12-10 12-11 12-10 12-11	21 19 23 21	12-11 12-11 12-11	17 19 19 18	12-29 12-29 12-28 NONE	16 16 14	299 299 298	280 280 280 297	267 268	267 253 205 262	169 180 160 204
LOUISA RICHMOND WSO AP	94 100	7-23 7-23	10	1-11 2- 5+	3- 5 3- 5	9 15	3- 6 3- 5	20 15	3- 7 3- 6		3-18 3-18	26 27	4-23 3-18		10- 9 10-25	32 30	12-10 11-26	23 28	12-10 12-11	23 23	12-11 12-28	16 20	12-11 NONE		281		278 280		
WESTERN PIEDMONT 03																												i	
APPOMATTOX 3 W BEDEGRO BROOKNEAL CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	95 92 97 96 96	9-20+ 9-20+ 7-24 9-10 7-24	65935	1-11+ 1-10 1-12+ 1-11 1-10	3- 6 3- 5 3- 6 3- 6	15 11 13	3- 6 3- 5 3- 6 3-18 3- 5	20	3- 6 3- 6 3- 6 3-19 3-18	24	3-19 3-19 3-19 3-19 3-18	27 27 24	4-16 4-23 3-19 5- 3 3-26	27 31	10- 9 10- 9 10- 9 10- 9 11-26	25	12- 2 10- 9	28	12-11	20	12-11 12-10	20 17	12-29	15	298 299 298 280	280	279 279 280 252 267	258	159
CHATHAM DANVILLE-BRIDGE ST LYNCHBURG WSO AP MARTINSVILLE FILT PL PHILPOTT DAM 2	97 98 95 97 97	9-10+ 7-24 9-19 6-29 6-29	6 10 4 6 5	2-11 1-12+ 1-11 2- 7+ 1-11+	3- 6 2- 8 3- 5 3- 5	14	3- 6 3- 6 3- 6 3- 6	19 20	3-18 3- 6 3- 6 3- 6	19 20 19		28 27	5- 4 3-19 3-28 5- 2 4-27	29 31	10- B 10- 9 10- 9 10- 9 10- 9	32 30 30	12- 2 11-25 10-25	28 28 28	12-11 12-10 12-10	24 21 23	12-16 12-11 12-11	20 19 18	12-15	15	285	285 280 280	279	259 252 209	204 195 160
PINEY RIVER 2 SE ROCKY MOUNT STUART 1 SSE TYE RIVER 1 SE	95 96 95 98	9-19+ 7-24 7-22 9-20+	5 1 5	1-10 1-11+ 1-10 1-11	3- 5 3- 6 3- 5 3- 6	15	3- 6 3-18 3- 5 3- 6	18 13	3- 6 3-18 3- 6 3-18	18	3-19 4-27 3-19	25	4-27	31 25	10- 9 10- 9 10- 9 10- 9	29 31	12- 2 12-11	28	12-10 12-11	22 22	12-11 12-28	17	12-28	15	297	268 298	267 280	258	160 159 165 169
NORTHERN 04	ļ																												
BFRRYVILLE BIG MEADONS CULPEPER ELKMOND 6 SE LINCOLN	95 83 98 95 97	7-24 7-24+ 7-23 7-23 7-24+	- 8 6 2 6	2- 4 1-10 1-23 1-23 2-20	3- 6 3-18 3- 5 3- 6 3- 5	12 10 15	3- 7 3-26 3- 6 3-18 3- 6	20 19 20	3- 9 4-16 3- 6 3-18 3- 9	21 19 20	3-31 5- 2 3-16 3-31 3-16	27 27 28	5- 3 5- 3 4- 1 5- 2 3-30	32	10-10 10- 9 10-18 10- 7 10-18	28 32 32	10- 9 12-10 10- 9	28 23 27	11-25 12-10 12-10	20 23 23	11-25 12-11 12-11	20 16 13	12-10 12-11 12-11	16 13	267 281 280	244 280 268	223 279 267	160 267 192	159 200 158
LURAY 5 E MANASSAS 3 NW MOUNT WEATHER PIEDMINT RESEARCH STA STERLING RCS)	93 98 90 96 95	6-29+ 6-28 7-24+ 7-23 7-24	- 1 - 3 - 8	1-16 - 1-10 1-10 1-23	3- 7 2-21 3- 6 3- 5 3- 6	11 12 8	3- 7 3- 6 3-18 3- 5 3- 6	20 20 B	3-28 3- 9 3-30 3- 7 3- 9	23 23 24	5- 2 3-18 3-31 3-18 4-23	28 28 25	5- 3 4-23 5- 2 5- 2 5- 2	31 32 32	10-9 - 10-24 10-25 9-29	32	11-27	25	12-10	23	12-10	17	12-11	16	280	281	255 278	241 267	175
WARRENTON 3 SE WASHINGTON HASH. DULLES WSO AP WASM. NATIONAL WSO AP WINCHESTER 1 N WOODSTOCK * * *	95 94 98 100 95	7-23+ 7-24 7-23 7-23 7-23+ 6-27	7 10 1	1-11+ 	3- 6 3- 7 3- 6 3- 5 3- 6	13 15 16 13	3-20 3-8 3-6 3-5 3-8	20 15 16 20	3-20 3-11 3- 7 3- 5 3-18	22 23 16 24	3-20 4-22 3-18 3-8 3-26	27 27 28 25	4-16 4-22 4-23 3-18 4-23 4-23	27 31 32 29	11- 9 10-10 10- 9 12-10 10- 9	28 28 25 32	10-10 10- 9 12-10 10-25	28 28 25 28	11- 9 12-11 12-10	23 23 21	12-10 NONE 12-11	17	12-11 NONE 12-11	14 15	280 280 280 280	279 278	247 281 267	171 205 277 213	171 169 267 169
CENTRAL MOUNTAIN 05  BUCHAMAN COVINCTION FILT PLANT DALE ENTERPRISE HOT SPRINGS LEXINGTON	95 95 94 92 96	7-23 6-27 6-27 6-28 9- 9	2045	1-23 1-23+ 1-23 1-11+ 1-23	3- 5 3- 5 3- 6 3- 6	10 10 7	3- 6 3- 6 3- 6 3-19 3- 6	19 10 18	3- 6 3-18 3-19 3-19 3-18	24 23 18	3-18 4-23 4-16 5- 4 3-19	27 28 27	5- 3 5- 3 5- 4	30 31 27	10- 9 10- 9 10- 9 10- 9 10- 9	25 28 28	10- 9 10- 9 10- 9	25 28 28	12- 6 12-10 12-10	24 19 16	12-10 12-10 12-10	20 19	12-11 12-11 12-10	12 13	281 280 279	279 279 266	263 267 266	169 176 158	159 159 158

### TEMPERATURE EXTREMES AND FREEZE DATA

Table 3			1	EMP	ER!	<b>X</b> 10	UKE			KE		<u>ت</u>	AN	υ —	FR	E.E.	丛上	<i>ע</i>	ATA	<u> </u>						VIRG 1978			
							Las	st spr	ing mir	imu	m of							First	fall mir	nimu	m of						ber of veen o		_
Station					16° d		20° c		24° d belo		28° belo		32° c belov		32° belo		28° belo		24° o belo		20° d belo		16° d belo	w	or below	or below	or below	or below	molod so
	Highest	Date	Lowest	Date	Date	Temp.	Date	Temp.	Date	Тетр.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	91	ģ	24°	8,	ŝ
MONTEREY ROANDKE WSD AP STAUNTON SENAGE PLANT TIMBERVILLE 3 E	89 97 95 95	6-27 7-23+ 6-28 6-28+	- 6		3-18 3-5 3-7 3-6	15	3-18 3- 5 3- 7 3- 6	15	4-16 3- 6 3-18 3-18	23	5- 2 3-18 5- 3 5- 2	26 28	5- 3 3-18 5- 3 5- 3	26	9-2	9 30	110- 5	1 25	10= 9 12= 9 11=26 11= 9	1211	12-11	14	12-11	14	279	514	253	205 159	11
SOUTHWESTERN MOUNTAIN 06		}			}																						,		
ARINGDON 3 S BLACKSBURG 3 SE BURKES GARDEN FLOYO 2 NE GALAX RADIO WBUB	94 92 86 92 90	9- 9 7-24 9- 9+	- 2 -11 - 5 - 1	1-23	3- 5 3- 6 3-19 3- 6 3- 6	13	3-18 3-18 3-6	19 13 17		19 24 21	3-22 3-27 5- 3 5- 2 3-31	25 24 28	5- 3 5- 3 5- 3 5-11 5- 3	25	10- 1 10- 1 10- 1	9 24 9 17 8 29 7 31	10- 9 10- 9 10- 9 10- 8	24 17 21 25	12-10 10- 9 10- 9 10- 9 12- 1	24 17 21 23	10-10 10- 9 10-18 12-10	20 17 20 16	12-10 12-10 12-10 12-10	15 12 15 16	279 267 279 279	205 205 214 279	204 160 258	196 159 160 191	1:
GRUNDY MARION EVAP STATION MT LAKE BIDLOGICAL STA PENNINGTON GAP PULASKI 2 E	93 82 95 93	7- 2+ 7-23 7-21 6-28+ 7-31	-14	1-12+ 1-11 1-10 1-11 1-11	3- 6 3- 6 3-13 3- 5 3- 5	14	3- 6 3-18 3-5 3-6	11	3-19 3-19 3-30 3-19 3-19	23	3-19 5- 2 5- 2 3-30 5- 2	28 26 27 26	5- 4 5- 2 5-11 5- 3 5- 3	28	10-	8 32 8 37 8 26 9 23	10- 9 10- 9 10- 8 10- 9	27 23 26 23	12-10 12- 6 10- 9 10-29 10- 9	23 23 23 23	12-10 11-25 12- 6 12-10	17 19 18 18	12=11 12=10 12=10 12=11	12 7 12 11	280 267 280 281	279 252 276 279	262 193 224 204	160 160 192 160	1.1.1.1.
STAFFORDSVILLE 3 ENE WYSE 1 SE WYTHEVILLE 1 S	93 89 92	7-23 6-27 9- 9+	- 2 - 7 - 2	1-11 1-11 1-11	3- 5 3- 5 3- 6	5	3-18 3-18 3- 6	18	3-18 3-18 3-19	18	3-18 3-18 5- 3	18	4-29 5- 2 5- 3	32 31 28	10- 5 10- 5	9 29 9 32 9 22	10-11 11-25 10- 9	27 27 22	10-18 12- 9 10- 9	22 22 22	12-10 12-10 12-10	17 13 17	12-11 12-10 12-11	11 13 12	281 280 280	267 267 279	214 266 204	207 252 159	11
* * * STATE EXTREMES																-		İ											
HOPEWELL NEWPORT NEWS PRESS BLD RICHMOND WSD AP WASH. NATIONAL WSO AP HT LAKE BIOLOGICAL STA	100	7-24+ 7-22 7-23 7-23	-14	1-10																			,						
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See Reference Notes Following Station Inde

Table 4

### TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA 1978

Table 4	IOIAL	EVA	PURP		4 AIVE	7 441	NU N	NOVE	MICIAI	<u></u>		1978		
Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
* * * TIDEWATER 01											•			
HOLLAND 1 E	EVAP DEP WIND MAX MIN	-	-	-	* 6.58B - 2048B 72'.8 46.4	- - - -	- - -	-	- - -		-	-	-	-
* * * Eastern Piedmont D2														
JOHN H KERR DAM	EVAP	-	-	-	5.428 1851B	5.18B 1218	6.64B 1341	6.92B 1312	6.30B 1270	4.518 1221	-	-	-	-
* * * WESTERN PIEDMONT G3									İ				}	
PHILPOTT DAM 2	EVAP WIND MAX MIN	-	-	-	4.248 894 70.4 49.2	3.998 456 78.0 57.4	5.00 387 90.6 65.0	4.73B 293 91.0 68.3	4.358 284 92.5 70.0	3.37 315 84.6 66.2	2.47 477 67.5 49.8	- - -		
* * * DA										,			<b>.</b>	
PIEDMONT RESEARCH STA	EVAP WIND	-	-	-	5.78B 1958	6.27B 1079	7.33B 1147	949		-	- -	-	-	:
SOUTHWESTERN MOUNTAIN 06			_	_	4.75B	4.618	5.52	5.188	5.33B	4.27	3.14	_		_
MARION EVAP STATION	EVAP WIND MAX MIN	-	-	-	1551 70.4 47.3	1204 77.6 55.0	780 88.8 63.5	782 90.5 66.7	607	854 84,0 61.5	1004 68.9 44.7	-	-	=
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VIRGINIA 1978

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·	No.	No.	<b>a</b>	υ 1 - 1		de	ŭ		ars (	_	or cl	ened osed ig yr.	Refer
Station	Index N	Division	County	Drainage	Latitude	Longitude	Elevation	Temp.	Precip.	Evap.	Month opened	Month closed	to tables
ABINGDON 3 S ALLISONIA 2 S ALTAVISTA AMELIA 3 SE AMISSVILLE APPOMATTUX 3 W ASHLAND BACK BAY WL REF BEDFORD	0013 0021 0135 0166 0187 0193 0243 0327 0385 0551	06 03 02 04 03 02 01	WASHINGTON WASHINGTON PULASKI CAMPBELL AMELIA RAPPAHANNUCK APPOMATTOX HANQVER PRINCESS ANN BEDFORD	11 15 1 14 9	36 42 36 40 36 54 37 06 37 19 38 41 37 22 37 45 36 40 37 21	82 00 81 58 80 45 79 18 77 57 78 01 78 53 77 29 75 55 79 31	2000 1920 1820 510 350 550 925 220 975	10 17 66 26 50	10 27 33 10 35 40 66 26			•	C 1 2 3 2 C 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BERRYVILLE BIG MEADUMS BLACKSBURG 3 SE BLANU BUHANNUN 1 NE BUYKINS BREMU BLUFF BROUKNEAL BUCHANAN BUCKINGHAM	0670 0720 0766 0792 0835 0956 0993 1082 1121 1136	04 06 06 01 01 02 03	CLARKE MADISON MONTGOMERY BLAND MATHEWS SOUTHAMPTON FLUVANNA CAMPBELL BOTETOURT BUCKINGHAM	14 11 11 10 9 15	39 09 38 31 37 11 37 06 37 24 36 35 37 42 37 02 37 32 37 33	77 59 78 26 80 25 81 06 76 21 77 12 78 18 78 57 79 41 78 33	600 3535 2000 2000 5 40 225 520 880 460	27 43 27 28 25 3 60	37 43 27 28 28 28 29 77 43			-	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
BUENA VISTA BURKES GARDEN BYLLESBY 3 W CAMP PICKETT CATAMBA HNSPITAL CEDAR BLUFF CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHASE CITY CHATHAM	1159 1209 1259 1322 1471 1520 1585 1593 1606	06 06 02 05 06 03 03	ROCKBRIDGE TAZEWELL CARROLL NOTTOWAY ROANOKE TAZEWELL CHARLOTTE ALBEMARLE MECKLENBURG PITTSYLVANIA	11 12 9 6 15	37 44 37 05 36 48 37 02 37 23 37 08 37 04 38 02 36 50 36 49	79 21 81 20 80 59 77 57 80 05 81 51 78 39 78 31 78 28 79 24	840 3300 2610 330 1880 1620 580 870 510 640	81 7 67 2 32 75 31 55	41 83 13 7 67 2 32 102 31 55			DEC	2 1 2 3 2 1 2 3 C 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 C
CLARKSVILLE CLIFTON FORGE CLINGHCO COLONIAL BEACH COLUMBIA CONCORD 5 S COPPER HILL 1 NNE CORBIN COVINGTON COVINGTON COVINGTON FILT PLANT	1746 1801 1808 1913 1929 1955 1999 2009 2041 2044	05 06 01 02 03 06 02 05	MECKLENBURG ALLEGANY DICKENSON WESTMORELAND GOUCHLAND CAMPBELL FLOYD CAROLINE ALLEGHANY ALLEGHANY	13 13 15 15 11 14	36 37 37 49 37 10 38 15 37 46 37 17 37 06 38 12 37 48 37 48	78 34 79 50 82 19 76 58 78 09 78 58 80 08 77 22 80 00 80 00	310 1050 1530 10 300 650 2720 220 1245 1230	16 76 20 18	87 54 25 16 80 29 37 20 41 18			INAC	2 2 2 1 2 3 C 2 2 1 2 3 C 1 2 3 C
CRAIGSVILLE CROZIER CULPEPER DALE ENTERPRISE DANVILLE-BRIDGE ST DAVENPURT 2 NE DEERFIELD 1 S DIAMUND SPRINGS DRIVER 4 NE EARLEMURST	2064 2142 2155 2208 2245 2269 2315 2368 2504 2600	02 04 05 03 06 05 01	AUGUSTA GOOCHLAND CULPEPER ROCKINGHAM PITTSYLVANIA BUCHANAN AUGUSTA PRINCESS ANN NANSEMOND ALLEGHANY	14 16 7 3 9 5	38 05 37 38 38 28 38 27 36 35 37 07 38 10 36 54 36 53 37 40	79 23 77 48 78 00 78 56 79 23 82 06 79 22 76 12 76 29 80 14	1600 300 420 1400 410 1600 1720 25 17 2040	3 69 96 61 70	16 40 71 98 88 52 70 36				2 1 2 3 1 2 3 C 1 2 3 C 2 2 C 1 2 3
ELKWOOD 6 SE EMPORIA 1 WNW FARMYILLE 2 N FLOYD 2 NF FREDERICKSBURG NATL PK FREDERICKSBURG 2 FREE UNION GALAX KADIO WBOB GALAX WATFR PLANT GLASGOW 1 SE	2790 2941 3071 3192 3200 3213 3267 3272	01 02 06 01 01 03 06	CULPEPER GREENSVILLE CUMBERLAND FLOYD SPDTSYLVANIA SPDTSYLVANIA ALBEMARLE CARROLL ROCKBRIDGE	10 11 14 14 14 9 11	38 27 36 41 37 20 36 56 38 19 38 18 38 09 36 40 36 39 37 37	77 46 77 33 78 23 80 18 77 27 77 28 78 34 80 55 80 55 79 26	330 100 450 2600 90 120 500 2385 2360 740	38 57 46 85	87 24		SEP		1 2 3 C 2 3 1 2 3 1 2 3 1 2 3 C 2 2 C 2 2
GLEN LYN GDRDDNSVILLE 3 S GDSHEN GROSECLOSE GRUNDY HILLSVILLE 1 S HOLCOMBS ROCK HOLLANG 1 E HONAKER HOPEWELL	3466 3470 3623 3640 3991 4039 4044 4078	02506666	GILES LDUISA RDCKBRIDGE SMYTH BUCHANAN CARRULL BEDFORD NANSEMOND RUSSELL PRINCE GEORG	17 9 8 3 11 9 4	37 22 38 05 37 59 36 52 37 16 36 44 37 30 36 41 37 01 37 18	80 52 78 11 79 30 81 20 82 05 80 44 79 16 76 47 81 59 77 18	1520 460 1350 2590 1170 2590 575 80 1930	46 18 46 86	18 39 28 36 19				2 2 2 1 2 3 2 2 1 2 3 1 2 3
HOT SPKINGS HUDDLESTUN 2 SW HURLEY INDEPENDENCE 2 INDIAN VALLEY JOHN W FLANNAGAN LAKE JOHN H KERR DAM KERRS CREEK I MSW LAFAYETTE 1 NE LANGLEY AIR FORCE B	4148 4180 4234 4246 4410 4414 4565	03 06 06 06 07 05 06	BATH BEDFORD BUCHANAN GRAYSON FLOYD DICKENSON MECKLENBURG ROCKBRIUGE MONTGOMERY	15 11 11 3 15 15	38 00 37 09 37 25 36 39 36 54 37 14 36 36 37 52 37 14 37 05	79 50 79 30 82 01 81 10 80 34 82 21 78 17 79 34 80 13 76 21	2238 1000 990 2610 2700 1462 250 1480 1380	30 93	29 26 10 30 17 28	27	-		1 2 3 C 2 C 2 C 2 C 1 2 34C 2 2

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Station	Index No.	Division	County	Drainage	Latitude	Longitud	Elevation	Temp.	Precip.	Evap.	Month opened	Month closed	to tables
LAWRENCEVILLE 5 W LEXINGTON LINCOLN LOUISA LURAY 5 E LYNCHBURG WSD AP R MANASSAS 3 NW MARION EVAP STATION MARTINSVILLE FILT PL MC DOWELL	4768 4876 4909 5050 5096 5120 5213 5271 5300 5414	05 04 04 04 04 06 03	LOUDGUN LGUISA PAGE CAMPBELL PR WILLIAM SMYTH HENRY	13 17 16 9 13 8	36 46 37 47 39 07 38 02 38 40 37 20 38 47 36 49 36 42 38 20	77 56 79 26 77 43 78 00 78 23 79 12 77 30 81 31 79 53 79 30	300 1060 500 420 1200 916 330 2100 760 2000	33 100 77 63 37 107 31 19	33 107 78 63 37 107 62 19 48				1 2 3 C 1 2 2 3 C 1 2 2 2 3 C 1 2 2 2 3 C 1 2 2 2 3 C 1 2 2 2 2 2 C 1 2 2 2 2 2 C 1 2 2 2 2
MC GAHEYSVILLE 2 S MEADOWS UF DAN 5 SW MILLGAP 2 NNW MILL RUN FARM MOLLUSK 1 SW MONTEBELLO 2 NE MONTEBELLO FISH NRSY MONTEREY MOUNTAIN GROVE MT LAKE BIOLOGICAL STA	5423 5453 5595 5599 5646 5685 5698 5756 5828	05 03 03 05	NELSON Highland Bath	79 99 144 99 13	38 21 36 40 38 21 38 13 37 43 37 53 37 51 38 25 38 06 37 23	78 44 80 27 79 43 79 44 76 33 79 08 79 08 79 35 79 53 80 32	1090 1500 2520 2080 2680 2649 2920 1767 3870	5 37 8	29 3 5 41 53 8	:			C 2 C 2 1 2 3 C 1 2 3 1 2 3
MOUNT WEATHER NEW CASTLE NEWPORT 2 NW NEWPORT NEWS PRESS BLD NORFOLK WSO AP WORTH FORK LAKE NORTH GARDEN NORTH RIVER DAM O'STER PAINTER 2 W	5851 6012 6046 6054 6139 6173 6178 6179 6456	05 06 01 05 03 05	CRAIG GILES WISE ALBEMARLE AUGUSTA NORTHAMPTON	9 9 5 3 9 16	39 04 37 30 37 19 37 01 36 54 37 08 37 57 38 22 37 17 37 35	77 53 80 06 80 31 76 27 76 12 82 38 78 38 79 16 75 56 75 49	1720 1310 1900 50 22 1675 686 2400 27	74 57 33 42 23	75 41 33 57 33 10 48 42 23				1 2 3 C 2 2 1 2 3 C 2 C 2 C 1 2 3 C
PALMYRA 1 E PEDLAR DAM PENNINGTUN GAP PHILPOTT DAM 2 PIEDMONT RESEARCH STA PILOT 1 ENE PINEY RIVER 2 SE PULASKI 2 E RADFURD RANDOLPH 5 NNE	6491 6593 6626 6692 6712 6723 6747 6955 6999	06 03 04 06 06	AMHERST LEE HENRY DRANGE MONTGOMERY AMHERST	15 17 11 11 9	37 52 37 40 36 45 36 47 38 13 37 04 37 42 37 08 37 08	78 15 79 17 83 03 80 02 78 07 80 21 79 00 80 45 80 33 78 42	410 1013 1510 1123 515 2180 750 1850 1730 350	46 26 31 3	22 44 46 26 32 37 3 18 11 73				2 1 2 3 1 2 34C 1 2 3 C 2 2 1 2 3 C 2 3 C 2 C
RAPIDAN RICHMOND WSO AP RIVERTON #ROANDKE WSO AP ROCKFISH ROCKY MOUNT SPECOWELL SPRING CREEK 2 STAFFORDSVILLE 3 ENE STAR TANNERY	7033 7201 7254 7285 7312 7338 7971 7997 8022 8046	02 04 05 03 06 06	HENRICO WARREN ROANDKE NELSON FRANKLIN WYTHE TAZEWELL GILES	16 15 15 15 11 6	38 18 37 30 38 56 37 19 37 49 37 00 36 49 37 01 37 16 39 05	78 04 77 20 78 12 79 58 78 45 79 54 81 10 81 39 80 43 78 26	300 164 560 1149 445 1232 2340 2340 1950	41 44 85	33 41 47 46 41 85 38				2 1 2 3 C 2 1 2 3 C 2 2 3 C 2 C 1 2 3 C
STAUNTON SEMAGE PLANT STERLING (RCS) STONY CREEK 5 SSW STUART 1 SSE SUFFOLK LAKE KILBY TANGIER ISLAND THE PLAINS 2 NNE TIMBERVILLE 3 E TROUT DALE 3 SSE TYE RIVER 1 SE	8129 8170 8192 8323 8396 8448 8547	04 01 03 01 01 04 05	LOUDDUN SUSSEX PATRICK NANSEMOND ACCOMACK FAUQUIER ROCKINGHAM	13	38 09 38 59 36 54 36 38 36 44 37 50 38 39 36 40 37 38	79 02 77 28 77 27 80 16 76 36 76 00 77 45 78 43 81 24 78 56	1385 280 150 1455 22 8 530 1000 2820 720	19 19 32 26	19 32 26 33 47 43				1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 C
VIENNA DUNN LORING WAKEFIELD 1 NW WALKERTON 2 NW WALLACETUN LK DRUMMOND WALLOPS ISLAND WSSF WARRENTON 3 SE WARSAW 2 NW WASHINGTON WASH, DULLES WSO AP WASH, NATIONAL WSO AP R	8737 8803 8829 8837 8849 8886 88903 8903	01 01 01 01 04 01	SUSSEX KING & QUEEN NDRFOLK ACCOMACK FAUQUIER RICHMOND RAPPAHANNOCK LOUDOUN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	38 54 37 45 37 45 36 36 37 57 38 41 38 57 38 57	77 13 77 00 77 03 76 26 75 29 77 46 76 46 78 10 77 27 77 02	418 100 50 25 9 500 140 660 290	45 13 28 28 24 17	46 52 13 28 28 33			JUL	2 1 2 3 1 2 3 1 2 3 C 1 2 3 1 2 3 1 2 3 C
WAVERLY WEST POINT 2 SW WHITE G-TE WILLIAMSBURG 2 N WILLIAMSVILLE 2 S WINCHESTER 1 N WISE 1 SE WOODSTOCK WOOLWINE 4 S WYTHEVILLE 1 S	9025 9060 9151 9159 9186 9215 9263	01 06 01 05 04 06 04	BATH	111111111111111111111111111111111111111	37 02 37 31 37 12 37 18 38 10 39 12 36 58 38 53 736 43	77 06 76 50 80 50 76 42 79 35 78 10 82 34 78 31 80 17 81 05	110 1850 70 1640 760 2570 887 1490 2450	25 28 73 24 80	25 33 72 24 86 28		JUL		1 2 3 C C 1 2 3 C C 1 2 3 C C 1 2 3 C C C C C C C C C C C C C C C C C C

#### REFERENCE NOTES

Additional information regarding the climate of this State may be obtained by writing to the National Climatic Center, Asheville, N.C. 28801, or to any National Weather Service Office near you. Additional precipitation data are contained in "HOURLY PRECIPITATION DATA" for this State.

AVERAGES: Division averages in the annual issue include late reports and corrected data and may differ slightly from values published in monthly issues.

DIMENSIONAL UNITS. 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 Service-type pan of 4-foot diameter unless otherwise noted below in the Evaporation and Wind table.

Max and Min values in the Evaporation and Wind table are monthly averages of daily extremes of temperature of water in pan as recorded during 24 hours ending at time of observation. Wind is the total wind movement in miles over the evaporation pan as determined by a continuous anemometer recorder located 6-8 inches above the pan.

NORMALS for all stations are climatological normals based on the period 1941-1970. "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.

DIVISIONS, as used in this publication, became effective with data for November 1956.

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

LATE REPORTS AND CORRECTIONS will be carried in the June and December issues of Climatological Data.

DAILY SOIL TEMPERATURES TABLES: Included are all soil temperature stations with any data published for the calendar year, whether or not opened or closed during the year. See the reference notes of the monthly issues for information on individual stations as to soil type, ground cover, and degree of slope.

#### IN THE DATA TABLES THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

- No record.
- + Also on earlier date (dates) or months.
- \* Amount included in following measurement.
- // Gage is equipped with a windshield.
- B Adjusted to a full month.
- 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. (The 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 month. V in annual column means total is for a two-year period.

### IN THE STATION INDEX THE SYMBOLS AND LETTERS WHEN USED INDICATE THE FOLLOWING:

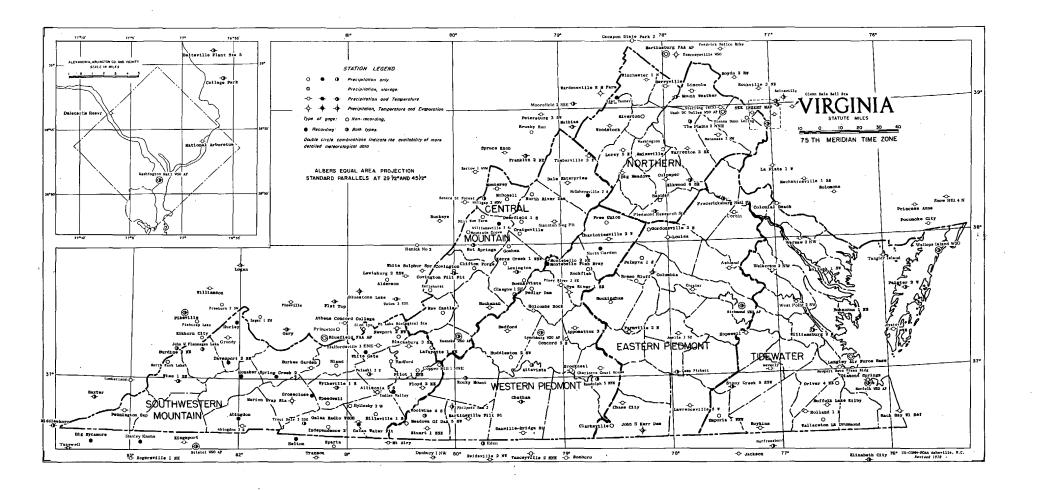
- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- # DRAINAGE CODE: 1-APPOMATTOX 2-ATLANTIC 3-BIG SANDY 4-BLACKWATER 5-CHESAPEAKE 6-CLINCH 11-NEW 12-NOTTOWAY 13-POTOMAC 14-RAPPAHANNOCK 15-ROANOKE 16-SHENANDOAH 17-YORK 10-MEHERRIN
- C Data for recording rain gage stations 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.

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

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this State, price 35 cents. Similar information for regular National Weather Service Offices may be found in the latest annual issue of Local Climatological Data, price 20 cents. Note minimum charge and ordering instructions below.

SUBSCRIPTION PRICE: \$5.10 per year for each section including annual summary; \$8.00 additional for foreign mailing; 40¢ single copy; 30¢ annual summary. There is a minimum charge of \$2.00 for each order of shelf-stocked issues of publications. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, NC 28801. Attn: Publications.

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