

# CLIMATOLOGICAL DATA ANNUAL SUMMARY VIRGINIA



### 2005

VOLUME 115 NUMBER 13 ISSN 0364-5630

#### YEARLY TOTAL PRECIPITATION 60 1,500 55 50 1,250 45 40 1,000 35 30 750 25 20 500 15 10 250 5 0 0 1940 1910 1920 1930 1990 1950 1960 1970 1980 2000

#### **VIRGINIA PRECIPITATION 1905-2005**

Yearly Precip. - Long Term Average 42.74 in.

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DIRECTOR

hom R. Karl

NATIONAL CLIMATIC DATA CENTER

STATION	J.	AN	F	ЕВ	MA	AR	AF	PR	M	AY	JU	N
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
TIDEWATER 01												
BACK BAY WILDLIFE RFG	3.35	90	3.06	36	3.51	49	M 3.00		5.92	1.97	5.02	1.51
EASTVILLE	2.97	50	1.65	50	2.49	47	3.64		4.15	1.57	6.22	1.51
EMPORIA 1 WNW	2.63	-1.33	2.41	73	4.27	.11	3.58	.24	2.75	-1.13	2.16	-1.14
FREDERICKSBURG SEWAGE	M 2.54	1.33	M 1.15	.73	M 3.16	.11	2.29	.24	4.97	1.13	1.11	1.14
HAMPTON UNIVERSITY	3.42		2.34		2.68		3.77		4.99		3.99	
HOLLAND 1 E	M 3.78		2.12	-1.28	M 3.26		2.38	-1.02	4.78	.71	2.64	97
HOPEWELL	4.36	.27	M 1.29	1.20	2.51	-1.77	2.99	44	2.48	-1.57	1.64	-1.16
LANGLEY AIR FORCE BASE	M	.27	M		M	1.77	M		M	1.57	M M	1.10
NORFOLK INTL AP R	2.48	-1.45	2.32	-1.02	2.25	-1.83	2.74	64	4.02	.28	4.50	.73
NORFOLK SOUTH	2.88	1.43	2.88	1.02	2.70	1.03	3.26	.04	5.27	.20	7.09	.,,
NORTH	2.86		1.72		4.45		2.11		5.98		3.81	
PAINTER 2W	M 3.65		2.25	-1.04	3.21	-1.23	1.98	-1.13	4.56	1.05	6.75	3.69
STONY CREEK 2 N	M 2.11		1.81	-1.53	4.48	22	2.28	-1.18	2.34	-1.99	1.99	-2.05
SUFFOLK LAKE KILBY	3.20	87	2.64	93	3.46	95	2.74	58	5.36	1.50	2.85	-1.17
WAKEFIELD 1NW	3.05	-1.09	2.15	72	3.76	56	3.42	.03	2.89	-1.34	1.59	-2.03
WALKERTON 2 NW	3.15	58	1.32	-1.82	3.17	-1.06	2.07	96	4.76	.70	1.14	-2.44
WALLACETON LK DRUMMOND	3.13	-1.57	3.12	-1.00	3.50	-1.14	2.94	77	5.14	.67	3.69	.00
WARSAW 2 NW	3.06	43	M 1.56	-1.00	2.99	-1.00	2.00	91	4.10	41	2.51	89
WEST POINT 2 NW	3.29	72	1.59	-1.57	3.61	83	2.83	37	4.10	.27	2.10	-1.55
WEST FORVEZ NW WILLIAMSBURG 2 N	3.12	-1.07	2.38	-1.07	3.32	-1.32	3.28	.04	4.64	.13	1.61	-1.77
DIVISIONAL DATA>	3.12	83	2.24	-1.07	3.32	-1.04	2.79	42	4.39	.37	3.28	20
EASTERN PIEDMONT 02	3.14	63	2.24	-1.04	3.32	-1.04	2.19	42	4.39	.57	3.26	20
ALBERTA 5N	2.62		1.70		4.27		1.39		2.33		3.09	
AMELIA 8 NE	4.21		1.60		3.82		2.11		3.51		1.01	
ASHLAND	3.48	26	1.79	-1.44	3.82	-1.01	1.94	-1.32	4.63	.48	M .82	
BREMO BLUFF	3.46	.21	M 1.58	-1.44	M 3.36	-1.01	3.57	.44	M 3.44	.40	1.56	-1.80
BUCKINGHAM	3.81	.15	.74	-2.46	4.34	.46	2.32	94	4.28	17	1.41	-2.01
CAMP PICKETT	M 2.65	.13	2.00	-1.22	M 4.41	.40	1.08	-2.58	2.66	-1.45	2.32	-1.50
CHASE CITY	M 2.80		M .93	-1.22	3.69	45	1.08	-2.36	2.83	-1.43	1.98	-1.70
CLARKSVILLE	M 2.80		2.22	82	3.68	43	M 1.82	-1.91	2.79	-1.23	3.05	89
CORBIN	3.50	22	1.62	-1.55	4.40	23 .19	M 1.82 M 2.72		M 4.03	-1.24	M 2.19	09
CROZIER	3.10		1.02	-1.33	3.67	12	2.57	84	4.41	.13	1.02	-2.69
FARMVILLE 2 N	2.88	71 -1.15	1.18	-1.77	M 5.05	12	2.37	63	3.39	87	1.02	-2.69
GREENBAY 3 NE	4.17	-1.13	1.63	-2.07	3.77		1.38	03	3.60	07	1.72	-1.51
JOHN H KERR DAM	2.32	-1.55	1.05 M		4.24	02	1.38	-2.08	2.63	-1.35	1.82	-1.57
	2.32		.76	1 70	3.24			-2.08	3.45			-1.57
KEYSVILLE 2 S	2.78 M 2.38	34		-1.78	3.24	04 -1.18	1.80 M 2.59	-1.09	3.45 2.91	.11	1.83 2.04	49 -1.44
LAWRENCEVILLE 3 E LOUISA	M 2.38 3.46	02	M 1.11 2.19	81	4.32	-1.18 .47	M 2.58 3.38	.31	3.94	97 .02	2.04	-1.44
MONTPELIER	3.46 M 1.47	02	2.19 M .61	01	4.32 M 2.52	.47	3.38	.51	5.28	.02	.91	04
PALMYRA 3S	3.80	56		1.61	M 2.52 3.98	.37	3.02	.02	3.40	40	1.77	-1.86
		.56	1.31	-1.61		.37		.02		49		-1.80
PETERSBURG	3.81	00	1.04	1 17	3.62	40	2.71	07	3.32	50	2.06 M 70	
POWHATAN	3.86	.09	2.00	-1.17	3.49	49	2.35	97	3.23	59	M .70	2.25
RICHMOND INTL AP R	3.42	13	1.39	-1.59	3.99	10	2.05	-1.13	4.22	.26	1.19	-2.35
SANDSTON WINTERPOCK 4 W	3.23	1.00	1.29	1.74	4.64	1.5	2.57	1.00	4.85	0.5	1.40 M 70	
WINTERPOCK 4 W	3.23	-1.00	1.55	-1.74	4.44	.15	2.15	-1.08	3.00	85	M .79	1

STATION	Л	UL	A	UG	SE	P	OC	СТ	NO	OV	DI	EC	ANNU	AL
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
TIDEWATER 01	2.50				4.00	2.45		2.20	• • • •		• • • •		3.5.40.04	
BACK BAY WILDLIFE RFG	3.68	83	M 7.75		1.03	-3.46	5.85	2.29	2.88	14	2.99	07	M 48.04	
EASTVILLE	4.72		M 5.97		.27		5.87		2.38		3.97		M 44.30	
EMPORIA 1 WNW	3.61	93	1.07	-3.27	2.01	-2.20	4.22	.76	3.88	.90	5.23	2.18	37.82	-6.54
FREDERICKSBURG SEWAGE	7.09		3.53		1.01		8.36		2.43		M 3.62		M	
HAMPTON UNIVERSITY	4.39		2.86		3.09		8.39		2.98		4.08		46.98	
HOLLAND 1 E	5.19	06	4.50	79	3.08	-1.76	5.68	1.76	4.52	1.40	3.33	05	M 45.26	
HOPEWELL	5.95	1.45	3.38	85	.21	-4.52	4.14	.57	3.38	.09	5.65	2.50	M 37.98	
LANGLEY AIR FORCE BASE	M		M		M		M		M		M			
NORFOLK INTL AP R	3.67	-1.50	7.61	2.82	2.90	-1.16	5.53	2.06	3.79	.81	4.30	1.27	46.11	.37
NORFOLK SOUTH	5.11		9.17		3.26		5.96		4.12		4.52		56.22	
NORTH	9.30		M 3.80		1.96		4.84		3.14		3.67		M 47.64	
PAINTER 2W	5.82	1.45	5.76	1.83	.32	-3.37	7.05	3.53	2.86	24	4.18	.84	M 48.39	
STONY CREEK 2 N	6.83	2.29	1.70	-2.73	1.59	-2.83	4.34	.84	3.36	.24	M 5.36		M 38.19	
SUFFOLK LAKE KILBY	7.02	2.03	4.59	90	3.91	-1.05	8.68	5.04	3.92	.81	4.51	1.24	52.88	4.17
WAKEFIELD 1NW	7.29	2.78	4.07	28	.37	-4.37	4.60	1.32	2.98	.22	4.21	1.37	40.38	-4.67
WALKERTON 2 NW	8.25	3.73	1.75	-1.78	.20	-3.76	5.89	2.53	3.75	.57	M 4.65	1.57	M 40.10	-4.07
	4.27			-1./8								1.20		
WALLACETON LK DRUMMOND	1 1	-1.66	M 2.84	1.02	2.58	-1.66	10.15	5.95	4.17	.67	5.02	1.29	M 50.69	
WARSAW 2 NW	5.16	.51	3.09	-1.03	1.44	-2.91	6.57	3.06	3.94	.87	4.16	1.13	M 40.58	
WEST POINT 2 NW	6.94	2.46	5.15	.96	.28	-4.35	4.37	.80	M 3.96		4.28	1.07	M 42.72	
WILLIAMSBURG 2 N	5.40	.06	6.90	1.91	.65	-4.31	4.60	.99	3.31	08	4.09	.75	43.30	-5.74
DIVISIONAL DATA>	5.77	1.11	4.34	10	1.59	-2.78	6.06	2.59	3.43	.29	4.26	1.03	44.61	-1.02
EASTERN PIEDMONT 02														
ALBERTA 5N	2.90		2.71		.24		5.02		3.69		5.69		35.65	
AMELIA 8 NE	5.41		3.43		.49		4.32		2.81		M 4.78		M 37.50	
ASHLAND	6.60	2.34	1.08	-2.76	M .04		7.70	4.28	2.54	76	4.01	.66	M 37.86	
BREMO BLUFF	M 3.28		M 5.12		.38	-3.07	7.40	3.41	3.25	06	M 3.51		M	
BUCKINGHAM	3.91	32	3.30	69	M .02		5.75	1.82	3.27	40	3.33	.20	M 36.48	
CAMP PICKETT	5.48	1.09	M 3.19		.61	-3.55	4.45	.48	3.67	.43	M 6.08		M	
CHASE CITY	M 2.89		2.55	-1.16	.22	-3.99	6.11	2.23	3.16	22	M 5.53		M	
CLARKSVILLE	4.03	15	1.39	-1.76	.42	-3.54	5.54	2.07	3.00	.00	5.75	2.76		
CORBIN	4.05	29	2.26	-1.44	M 2.11		M 10.41		2.46	87	4.40	1.07	M	
CROZIER	3.79	.06	3.63	45	.15	-3.65	5.77	1.90	2.32	-1.07	3.40	.18	35.01	-9.03
FARMVILLE 2 N	7.97	3.78	3.05	81	.07	-3.87	5.13	1.31	2.93	48	4.14	.94	M 40.30	7.00
GREENBAY 3 NE	5.18	3.70	2.99	.01	M .02	3.07	4.69	1.51	3.49		3.85	'/'	M 36.59	
JOHN H KERR DAM	3.26	-1.37	2.24	-1.77	1.00	-2.76	3.04	63	2.59	51	6.47	3.47	141 30.37	
KEYSVILLE 2 S	7.78	4.10	2.24	.37	.17	-3.26	5.62	2.80	3.59	.98	2.93	.32	36.80	1.68
LAWRENCEVILLE 3 E	3.62	97	2.83 M 1.16	.37	1.11	-3.52	4.20	.52	3.93	.46	6.06	2.94	M 30.80	1.06
				1.26										1.52
LOUISA MONTPELIER	3.44 M 2.39	-1.01	4.89	1.26	1.50	-2.55	8.56	4.68	3.13 2.81	69	3.83	.71	45.55 M	1.53
		20	2.23	1.04	.38	2.71	10.16	6.06		26	M 3.38	0.4		50
PALMYRA 3S	4.67	.39	2.94	-1.04	.12	-3.71	10.73	6.86	3.45	.26	3.68	.84	42.91	.59
PETERSBURG	4.32		M 2.74		.46		4.12		M 1.03		M 5.52		M 34.75	
POWHATAN	5.03	.78	2.81	92	.12	-3.24	M 5.81		2.54	92	M 4.71		M 36.65	
RICHMOND INTL AP R	9.28	4.61	2.56	-1.62	.08	-3.90	3.74	.14	3.81	.75	5.81	2.69	41.54	-2.37
SANDSTON	8.68		3.27		.10		3.78		4.43		5.96		44.20	
WINTERPOCK 4 W	5.89	1.43	3.67	.12	.46	-3.64	4.33	.54	3.46	.13	5.28	2.07	M 38.25	

STATION	J.	AN	F	ЕВ	MA	ΛR	AF	PR	M	AY	JU	N
	PRECIP.	DEPART.										
DIVISIONAL DATA> WESTERN PIEDMONT 03	3.46	38	1.58	-1.61	3.88	28	2.34	99	3.65	48	1.80	-1.78
ALTAVISTA	3.17	58	1.34	-1.90	3.68	40	1.91	-1.73	2.22	-2.05	1.69	-1.93
APPOMATTOX	M 1.80		M		M 2.28		2.41	-1.17	2.77	-1.74	2.23	-1.32
BEDFORD	M 2.74		M .52		3.45	36	3.01	77	2.58	-1.99	1.18	-3.06
BEDFORD 4 NW	3.00		1.41		3.91		3.14		2.61		2.38	
BROOKNEAL	3.40	76	1.87	-1.42	4.38	.25	2.21	-1.31	2.48	-1.60	3.71	.46
CHARLOTTE COURT HOUSE												
CHARLOTTESVILLE 2W	4.26	.55	1.40	-1.90	3.82	23	3.23	11	3.50	-1.36	2.54	-1.92
CHATHAM	3.39	53	2.21	-1.06	4.30	10	1.92	-1.81	4.03	04	2.91	85
CONCORD 4 SSW					4.12	.02	2.05	-1.39	3.30	88	2.69	93
DANVILLE	2.21	-1.82	1.72	-1.69	3.12	-1.13	1.99	-1.84	1.80	-2.16	2.48	-1.02
DANVILLE REGIONAL AP R	M 1.63		2.10		2.76		2.18		2.04		3.57	
FREE UNION	M 2.93		M 2.85		M 3.59		M		M		M	
HOLCOMB ROCK									2.35	-2.26	3.29	32
HOLLIDAY LAKE	3.50		M .73		4.76		M 1.82		2.62		1.48	
HUDDLESTON 4 SW	3.25	45	1.06	-2.11	3.61	39	1.85	-1.71	1.73	-2.25	3.01	37
LYNCHBURG NO 2	3.91		1.04		4.06		2.49		2.45		1.36	
LYNCHBURG INTL AP R	3.73	.19	1.79	-1.31	3.51	32	2.25	-1.21	2.12	-1.99	3.33	46
MARTINSVILLE FLTR PLT	2.51	-1.29	2.41	97	3.20	-1.26	2.27	-1.46	1.32	-3.00	2.42	-1.53
MEADOWS OF DAN 5 SW	5.26	.67	1.60	-2.11	M 5.59		4.27	52	2.97	-2.28	4.78	20
MONTICELLO	4.26	1.69	1.82	58	M 4.30		3.59	.70	M 4.61		2.78	80
PEDLAR DAM	2.74	83	M 1.44		3.75	18	3.18	46	2.99	-1.65	1.96	-1.84
PHILPOTT DAM 2	2.71	-1.20	.50	-3.00	3.28	-1.27	2.37	-1.45	M .10		M 2.48	
ROCKY MOUNT	M 3.65		1.84	-1.36	M 5.98		3.64	49	M .87		2.53	-1.58
SOUTH BOSTON	3.58	58	2.15	-1.19	4.15	.01	1.98	-1.94	4.08	.74	3.15	86
STUART	2.68	-1.35	1.93	-1.55	4.15	44	3.49	-1.03	3.67	-1.35	2.65	-1.82
TYE RIVER 1 SE	4.73	.98	1.21	-2.05	3.28	77	2.98	48	3.14	-1.67	4.21	.65
WOOLWINE 4 S	M		M 1.64		5.21	.12	3.26	-1.33	2.11	-3.23	3.01	-1.60
DIVISIONAL DATA>	3.45	39	1.71	-1.58	3.65	58	2.63	-1.10	2.77	-1.62	2.74	-1.21
NORTHERN 04	2.50				2.50		3.5.4.6					
BOSTON 4 SE	3.53		M 1.03		3.68		M 4.19		M 4.74		M 1.48	
EDINBURG	1.57		1.13		2.09		2.46		3.15		1.49	
FRONT ROYAL	1.83		.74		3.75		3.66	1.0	5.66		2.14	
LINCOLN	M		M 1.05		M 3.96		3.64	.16	M 3.54	4.40	M 1.56	2.50
LURAY 5 E	M 2.01		M 1.12		3.71	.33	M 1.54		2.82	-1.10	1.38	-2.60
MADISON	M 3.17		M .80		M 3.66		M 3.32		M 2.65		1.11	
MANASSAS	2.87		M		M		M		M	1.70	M	
MOUNT WEATHER	M		M 1.36	1.20	M 4.48	26	M 4.11	21	2.84	-1.70	M 2.13	2.21
PIEDMONT RESEARCH STN	3.88	.56	1.44	-1.38	3.98	.26	3.53	.31	3.19	-1.14	.85	-3.21
SOMERSET	3.13		M 1.23		3.50		3.07		3.06		1.28	
SPERRYVILLE	2.99		1.74		4.09		4.19		2.75		2.68	
STAR TANNERY	M 2.11	10	1.68	1.27	3.18	67	2.60	7.1	3.04	1.25	1.94	22
STERLING RCS	3.37	.12	1.44	-1.27	4.34	.67	3.99	.71	5.67	1.25	3.26	33
THE PLAINS 2 NNE	M 2.76	1.0	M .90	1.26	M 4.13		4.20	.80	6.01	1.62	3.29	68
VIENNA	3.25	16	1.59	-1.26	M 5.36		M 3.18		M 6.32	0.1	2.73	-1.05
WARRENTON 3 SE	M		M		M		M 2.15		5.09	.81	2.12	-1.90

STATION	J	UL	A	UG	SE	P	OC	СТ	NO	OV	DE	EC	ANNU	AL
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
DIVISIONAL DATA> WESTERN PIEDMONT 03	5.32	.96	2.75	-1.18	.47	-3.56	5.85	2.00	3.16	26	4.78	1.60	39.04	-5.96
ALTAVISTA	3.76	17	3.32	31	.21	-3.45	5.92	2.25	4.48	1.22	3.24	.04	34.94	-9.01
APPOMATTOX	M 4.21		4.42	.65	.03	-4.42	5.84	1.98	M 3.74		3.73	.66		
BEDFORD	4.01	53	2.67	84	.55	-3.40	11.78	8.31	M 4.27		M 1.22		M	
BEDFORD 4 NW	4.35		2.86		.57		9.98		3.61		3.01		40.83	
BROOKNEAL	3.83	51	1.64	-2.19	1.06	-2.56	5.92	2.20	3.65	.51	3.83	.67	37.98	-6.26
CHARLOTTE COURT HOUSE					.20	-4.08	5.06	1.07	M 2.83		M 2.50			
CHARLOTTESVILLE 2W	5.98	1.04	4.19	.05	.65	-4.20	8.17	3.95	4.38	.64	3.13	13	45.25	-3.62
CHATHAM	6.58	2.53	2.89	45	.79	-3.73	3.39	28	4.47	1.21	3.13	16	40.01	-5.27
CONCORD 4 SSW	4.79	.61	3.29	.07	.07	-4.16	6.34	2.59	3.39	17	2.96	21		
DANVILLE	M 4.31		3.40	14	.90	-3.18	4.71	1.00	3.96	.89	3.91	.75	M 34.51	
DANVILLE REGIONAL AP R	5.80		1.48		.31		5.08		4.40		3.92		M 35.27	
FREE UNION	M		M		M		M		M		M		1,1 55,27	
HOLCOMB ROCK	5.42	.80	4.22	.89	.43	-3.56	10.74	7.14	5.95	2.47	4.01	.78		
HOLLIDAY LAKE	4.36		3.55	,	.05	2.50	4.96	,,,,	M 3.32	2	M 1.97	.,,	M	
HUDDLESTON 4 SW	4.45	.72	5.02	1.79	1.09	-3.14	8.39	4.88	M 3.97		M 3.08		M 40.51	
LYNCHBURG NO 2	5.43	.,2	1.99	1.,,	.10	3.11	7.02	1.00	3.50		3.07		36.42	
LYNCHBURG INTL AP R	4.31	08	2.28	-1.13	.12	-3.76	7.29	3.90	4.05	.87	3.03	20	37.81	-5.50
MARTINSVILLE FLTR PLT	8.27	3.85	3.28	22	1.05	-3.22	4.58	1.11	2.94	11	4.13	.87	38.38	-7.23
MEADOWS OF DAN 5 SW	12.16	7.26	2.89	-1.73	.74	-4.40	3.58	80	6.53	2.16	3.51	42	M 53.88	7.23
MONTICELLO	M 5.29	7.20	3.37	51	.36	-3.98	9.02	5.13	3.75	.45	3.53	.81	M 46.68	
PEDLAR DAM	5.61	1.45	2.85	43	.31	-3.84	M 9.35	3.13	6.20	2.63	M 1.84	.01	M 42.22	
PHILPOTT DAM 2	4.23	86	3.09	-1.56	2.80	-1.89	5.76	1.77	4.28	.92	M 3.02		M 34.62	
ROCKY MOUNT	5.81	.94	2.37	-1.42	.36	-3.97	6.34	2.83	3.65	.39	M 3.20		M 34.02	
SOUTH BOSTON	5.59	1.24	1.00	-2.42	.68	-3.16	3.30	34	3.73	.62	4.41	1.27	37.80	-6.61
STUART	8.78	3.62	3.67	-2.42	.80	-3.94	M 6.98	54	3.73	.14	M 2.72	1.27	M 45.24	-0.01
TYE RIVER 1 SE	6.08	1.78	4.62	1.05	.12	-4.23	8.43	4.48	M 4.55	.14	3.32	07	M 46.67	
WOOLWINE 4 S	M 0.08	1.76	M 5.93	1.03	.38	-4.25 -4.85	7.82	3.58	4.99	.86	3.84	06	W1 40.07	
DIVISIONAL DATA>	5.75	1.12	2.90	91	.67	-3.71	6.44	2.68	3.88	.53	3.60	.35	40.19	-6.42
NORTHERN 04	3.73	1.12	2.90	91	.07	-3.71	0.44	2.00	3.00	.55	3.00	.33	40.19	-0.42
BOSTON 4 SE	M 6.18		M 2.23		M 1.69		M 7.61		3.70		2.59		M	
EDINBURG	7.73		2.89		.72		4.47		3.00		1.75		32.45	
FRONT ROYAL	5.23		3.22		.83		6.67		4.77		M 1.13		M 39.63	
LINCOLN	6.96	3.28	2.34	-1.48	.03	-4.05	M 7.19		3.33	19	2.17	94	WI 37.03	
LURAY 5 E	4.31	.54	3.63	.12	1.01	-4.03	7.32	3.83	4.55	1.06	M 1.78	54	M	
MADISON	8.05	.54	2.04	.12	1.16	-5.54	M 1.32	3.63	M 4.33	1.00	M 1.76		141	
MANASSAS	M 3.38		2.04		.46		8.58		2.35		3.30			
MOUNT WEATHER	7.32	3.42	M 4.41		.67	-3.63	8.38 7.56	3.89	5.11	1.71	M 1.35		1	
PIEDMONT RESEARCH STN	3.64	-1.18	2.95	82	2.29	-3.03 -1.57	9.71	5.78	2.74	97	3.17	.09	41.37	-3.27
SOMERSET	4.25	-1.10	2.93 M 3.53	02	1.35	-1.5/	7.65	3.70	2.74	97	2.87	.09	M 37.85	-5.21
SPERRYVILLE	M 4.23		M 3.55		.59		M /.03		6.86		2.87		IVI 37.03	
STAR TANNERY	M 3.40		2.81		.39		5.07		5.37		1.04		M 32.66	
STERLING RCS	8.21	4.78	2.45	-1.19	.25	-3.74	10.68	6.98	2.47	98	2.75	30	48.88	6.70
THE PLAINS 2 NNE	8.21	4.78	2.45	-1.19	.25	-3.74	7.98	4.51	3.22	98 39	2.75	50	48.88 M 46.03	0.70
VIENNA	6.22	1.89	3.10		.10	-3.87 -4.30	7.98 9.03	5.45	2.26	-1.23	M 3.18	50		
WARRENTON 3 SE	4.05		3.10	96 .20		-4.30	9.03 8.05	5.45 4.62	2.26	-1.23	M 3.18 2.78	50	M	
WARRENTON 3 SE	4.03	01	3.67	.20	M		8.03	4.02	2.07	80	2.78	50	1	

STATION	J	AN	Fl	ЕВ	MA	AR .	AP	PR	М	AY	JU	N
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
WASHINGTON DULLES INTL R	3.14	.09	1.41	-1.36	3.93	.38	4.34	1.12	4.86	.64	1.92	-2.15
WASHINGTON REAGAN NTL R	3.31	.10	1.63	-1.00	4.46	.86	4.33	1.56	4.61	.79	2.87	26
WINCHESTER	1.97	77	1.12	-1.03	4.21	.76	3.12	.24	3.67	.02	1.41	-2.24
WINCHESTER 7 SE	2.04	62	1.22	-1.18	4.04	.71	2.35	66	3.74	19	1.13	-2.97
WOODSTOCK 2 NE	M		1.30	-1.12	M 2.61		M 1.73		5.23	1.41	2.82	83
DIVISIONAL DATA> CENTRAL MOUNTAIN 05	2.84	33	1.37	-1.28	3.77	.20	3.50	.30	4.17	06	2.07	-1.87
BROWNSBURG 2 W	2.53		1.29		3.23		3.66		2.78		1.85	
BUCHANAN	1.61	-1.86	M .43		M .77		3.02	33	M 1.87		M .54	
BUENA VISTA	3.43	.64	1.41	-1.25	4.22	.73	3.49	.29	2.61	-1.28	1.04	-2.33
COVINGTON FILTER PLANT	2.15	41	M 1.54	1.23	M 3.07	.,,	3.14	.11	2.12	-1.98	1.53	-1.73
CRAIGSVILLE 2 S	2.50	92	1.61	-1.11	3.51	07	4.26	.81	2.12	-2.27	1.59	-2.52
DALE ENTERPRISE	1.33	-1.22	1.14	-1.11	2.87	.01	2.86	.22	2.09	-1.58	1.59	-1.97
EAGLE ROCK	1.55	-1.22	1.14	-1.00	3.68	.01	2.82	.22	2.56	-1.56	M .53	-1.97
EARLEHURST	M 2.53		M 1.34		M 3.02		3.17	27	2.04	-2.11	2.34	89
FINCASTLE 7 NE	3.50		M 1.34 M 1.49		3.95		2.66	27	3.17	-2.11	1.19	09
	2.42	70	M 1.49 1.74	02	3.93	24	4.09	1.01		-1.29		-1.09
GATHRIGHT DAM	4.19	70		93		34		1.01	2.76		2.33	
GLASGOW 1 SE		11	1.32	-2.23	4.96	.41	3.66	44	3.38	-1.58	2.28	-2.13
GOSHEN	M 2.58	27	M 1.09	1 10	3.85	22	5.44	2.03	2.75	-1.91	1.32	-2.59
HOT SPRINGS	3.25	37	1.84	-1.10	4.03	04	4.61	1.26	2.09	-2.23	3.35	18
KERRS CREEK 6 WNW	3.14	51	.99	-2.01	4.81	.84	4.68	.93	M 2.60	4.00	1.82	-2.22
LEXINGTON	2.77	25	1.61	-1.16	M 3.56		3.55	.38	2.94	-1.02	1.27	-2.81
MILLGAP 2 NNW	2.20	-1.28	2.09	79	3.41	62	4.41	.81	2.27	-2.38	2.10	-1.97
MOUNTAIN GROVE	1.55		1.97		M 2.83		4.14		M 1.69		2.77	
MUSTOE 1 SW	2.34		2.83		M 4.22		4.84		2.04		2.96	
ROANOKE 8 N	M 2.54		1.41		M 4.38		2.79		2.34		4.33	
ROANOKE INTL AP R	2.15	-1.08	2.20	88	3.72	12	2.63	98	2.15	-2.09	5.07	1.39
STAUNTON SEWAGE PLANT	M		M		3.47	.24	3.26	.34	2.61	-1.20	1.71	-1.86
WAYNESBORO SEWAGE	2.31		2.51		3.88		M 3.21		M		3.03	
DIVISIONAL DATA> SOUTHWESTERN	2.44	72	1.88	86	3.59	.01	3.61	.41	2.34	-1.78	2.66	-1.04
MOUNTAIN 06												
ABINGDON 3 S	3.31	80	1.84	-2.02	3.67	80	M 4.81		2.58	-2.35	1.96	-2.15
BIG STONE GAP	4.71	.10	2.54	-1.80	3.51	-1.44	6.99	2.34	3.06	-2.77	1.72	-2.14
BLACKSBURG NWSO R	2.71	66	2.02	-1.00	4.43	.60	2.35	-1.48	1.69	-2.70	4.02	.09
BLAND	3.02	54	2.45	65	4.06	.31	4.27	.92	1.63	-2.66	2.65	-1.26
BREAKS INTERSTATE PARK	4.49		3.29		4.39		5.72		3.00		1.67	
BURKES GARDEN	4.34	.45	2.59	83	4.29	.13	4.71	1.13	1.64	-3.25	4.32	.06
BYLLESBY 1 S	2.45	-1.02	2.20	-1.07	3.81	20	3.63	.03	M 1.17		5.67	2.02
CHRISTIANSBURG	2.79		2.33		4.62	,	2.25		1.48		2.89	
CLINTWOOD 1 W	4.04		2.68		4.27		6.04		3.41		2.84	
COPPER HILL	3.26	17	1.85	-1.13	4.65	.65	2.15	-2.17	1.88	-2.69	4.24	25
FLOYD 2 NE	3.35	.22	.96	-1.83	5.46	1.61	2.73	-1.03	2.10	-1.99	3.16	67
GALAX RADIO WBRF	2.98	30	M 2.12	1.03	M 5.22	1.01	3.19	52	1.88	-2.74	5.62	1.56
GLEN LYN	2.98	80	2.35	34	2.26	-1.16	M 2.16	52	M 1.31	-2.74	2.40	-1.20
GRUNDY	4.03	.52	2.55	57	3.09	-1.10	4.80	.77	2.73	-2.14	1.21	-3.29
				1					2.73		2.87	
HILLSVILLE	2.98	67	M 2.22		5.51	1.44	3.39	68	2.45	-2.15	2.87	-1.54

STATION	JI	UL	A	UG	SE	P	OC	СТ	NO	OV	DE	EC	ANNU	AL
	PRECIP.	DEPART.	PRECIP.	DEPART.										
WASHINGTON DULLES INTL R	7.85	4.28	2.32	-1.46	.15	-3.67	9.22	5.85	2.49	82	2.92	15	44.55	2.75
WASHINGTON REAGAN NTL R	6.06	2.40	2.33	-1.11	.11	-3.68	9.41	6.19	1.92	-1.11	3.34	.29	44.38	5.03
WINCHESTER	5.02	1.97	3.30	.48	.43	-2.92	5.01	2.05	4.54	1.35	1.27	-1.24	35.07	-1.33
WINCHESTER 7 SE	5.95	2.29	3.25	35	.85	-2.74	5.29	2.13	4.30	1.24	1.30	-1.30	35.46	-3.64
WOODSTOCK 2 NE	6.60	2.97	2.44	82	.58	-3.08	M 4.66		M 2.67		M .43			
DIVISIONAL DATA>	6.34	2.43	2.81	85	.63	-3.44	7.63	4.07	3.56	.10	2.45	57	41.14	-1.30
CENTRAL MOUNTAIN 05														
BROWNSBURG 2 W	M 2.73		M 4.91		1.23		5.40		4.56		2.42		M 36.59	
BUCHANAN	M 5.31		3.25	21	M .55		5.81	2.52	M 2.37		M 3.90		M	
BUENA VISTA	5.15	1.29	2.19	78	.08	-3.34	7.88	4.70	5.95	2.78	3.16	.32	40.61	1.77
COVINGTON FILTER PLANT	5.72	2.06	3.87	.53	.18	-2.84	2.87	.02	4.01	.88	2.05	47	M 32.25	
CRAIGSVILLE 2 S	6.49	1.82	5.92	2.56	.66	-3.14	M 4.10		6.25	2.90	M 2.65		M 41.81	
DALE ENTERPRISE	4.60	.82	2.96	46	.22	-3.28	4.22	1.40	3.47	.71	2.08	34	29.43	-6.69
EAGLE ROCK	M 3.99		6.78		.27		M		M		M			
EARLEHURST	4.95	1.14	3.79	.35	.38	-2.90	2.87	12	M 4.23		M 1.05		M	
FINCASTLE 7 NE	5.95		5.79		.24		5.51		3.76		2.67		M 39.88	
GATHRIGHT DAM	4.82	1.19	4.85	1.68	.36	-2.83	2.52	50	4.23	1.21	1.95	93	35.18	-3.52
GLASGOW 1 SE	6.03	2.02	2.99	49	.21	-4.37	10.48	6.60	8.43	4.18	3.64	.05	51.57	1.91
GOSHEN	M 5.62		M 8.90		M .22		M 4.36		M 4.90		M .73		M	
HOT SPRINGS	5.85	1.56	4.50	1.09	.44	-3.26	4.41	1.08	6.48	2.88	2.45	30	43.30	.39
KERRS CREEK 6 WNW	5.13	.77	M 9.08		.23	-3.52	5.71	2.07	M 6.53		2.60	54	M 47.32	
LEXINGTON	4.15	.27	4.74	1.69	.11	-3.37	6.60	3.52	5.16	2.13	2.62	29	M 39.08	
MILLGAP 2 NNW	9.98	5.66	3.99	.20	.46	-2.85	3.14	.01	5.52	2.12	2.60	61	42.17	-1.70
MOUNTAIN GROVE	3.84	2.00	M 2.09	.20	.15	2.00	M 2.05	.01	M 4.02		M 1.95	.01	M	11,0
MUSTOE 1 SW	7.80		3.16		.48		2.72		4.84		M 1.69		M 39.92	
ROANOKE 8 N	7.45		3.55		.20		5.59		4.37		2.71		M 41.66	
ROANOKE INTL AP R	4.96	.96	3.72	02	.23	-3.62	5.05	1.90	3.63	.42	2.36	50	37.87	-4.62
STAUNTON SEWAGE PLANT	5.91	2.09	2.60	90	M		M		4.84	1.89	M 1.98			
WAYNESBORO SEWAGE	5.87	2.05	3.62	.,,	.68		7.09		7.91	1.05	M 2.26			
DIVISIONAL DATA>	6.10	2.13	3.78	.36	.34	-3.25	4.42	1.25	4.95	1.76	2.35	45	38.46	-2.18
SOUTHWESTERN														
MOUNTAIN 06														
ABINGDON 3 S	4.16	66	2.77	85	.69	-2.93	M		3.25	08	2.93	-1.14		
BIG STONE GAP	6.82	2.51	3.03	86	1.64	-2.31	.95	-2.50	3.00	-1.00	3.85	67	41.82	-10.54
BLACKSBURG NWSO R	5.47	1.30	3.74	.06	.25	-3.14	3.38	.19	M 2.69		M 2.20		M 34.95	
BLAND	5.40	1.93	2.25	-1.18	.46	-2.66	2.68	08	2.69	.06	3.10	.21	34.66	-5.60
BREAKS INTERSTATE PARK	5.53		3.18		.93		2.66		3.08		M 2.08		M 40.02	
BURKES GARDEN	5.92	1.54	3.45	59	.70	-2.77	3.38	.27	3.86	.72	2.94	47	42.14	-3.61
BYLLESBY 1 S	5.18	.96	3.52	.13	M		0.00	.27	2.00			'''	.2	0.01
CHRISTIANSBURG	4.07	.,,	M 3.23		.34		3.85		3.47		2.37		M 33.69	
CLINTWOOD 1 W	5.94		2.71		1.48		1.80		2.41		2.33		39.95	
COPPER HILL	6.69	2.50	4.21	.30	.60	-4.05	8.72	4.71	5.66	1.84	M 2.17		M 46.08	
FLOYD 2 NE	3.46	.25	M 2.98	.50	M .35	1.03	6.53	3.16	4.25	.83	2.14	37	M 37.47	
GALAX RADIO WBRF	5.04	1.13	3.62	.21	.66	-3.07	4.87	1.33	5.30	1.81	2.63	28	M 43.13	
GLEN LYN	4.74	.90	M 4.78	.21	M .05	3.07	2.99	.45	M 2.32	1.01	M 1.28	.20	M 43.13	
GRUNDY	6.33	1.46	4.64	.71	1.14	-2.32	1.94	-1.21	2.09	-1.08	2.31	94	36.86	-8.98
HILLSVILLE	4.52	.69	3.65	.24	.68	-3.09	4.91	1.33	4.10	.57	2.16	83	M 39.44	0.70
THEES THEE	1.52	.07	3.03	.24	.00	] 3.07	1.71	1.55	7.10	.5,	2.10	.03	111 37.77	

STATION	J	AN	F	ЕВ	MA	λR	AP	PR	M	AY	JU	N
	PRECIP.	DEPART.										
HURLEY 4 S JOHN W FLANNAGAN LAKE LAFAYETTE 1 NE LEBANON NEWPORT 2 NNW NORTH FORK LAKE PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 3 ENE TROUT DALE 3 SSE WILLIS WISE 3E WYTHEVILLE 1 SDIVISIONAL DATA>												

STATION	J	UL	A	UG	SE	P	OC	CT	NO	OV	DE	EC	ANNU	JAL
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
HURLEY 4 S JOHN W FLANNAGAN LAKE LAFAYETTE 1 NE LEBANON NEWPORT 2 NNW	11.91 6.12 M 5.43 5.99	2.02 1.87	2.95 1.56 3.85 1.74	-2.63 .69 -1.97	1.00 .86 M .06 .95	-2.62 -1.93	1.89 M 1.34 4.88 2.82	2.01 .67	M 2.87 2.74 3.25 3.64	57 .40 .76	3.18 2.33 2.01 M 4.02	97 66	M 47.63 M 33.24 M 37.79	
NORTH FORK LAKE PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N	7.60 6.94 4.62 M 4.19 5.63	2.92 2.46 .94	4.42 2.81 M 1.26 M 1.68 2.03	.40 -1.04	1.26 1.80 .22 .54 1.46	-2.31 -1.60 -2.89 -3.33 -1.70	2.46 .83 2.91 1.97 2.25	57 -2.14 02 11 26	2.51 M 2.43 2.27 2.62 2.99	74 28 09 05	2.27 3.95 2.48 2.38 2.99	-1.25 31 11 -1.32 87	44.25 M 38.69 M 32.14 M 34.11 36.98	-2.88
STAFFORDSVILLE 3 ENE TROUT DALE 3 SSE WILLIS WISE 3E WYTHEVILLE 1 S	6.34 4.62 4.20 8.65 4.71	2.43 .62 .23 3.78 .98	3.11 2.02 3.53 2.88 1.83	13 -1.56 44 94 -1.31	.31 .46 .22 1.04	-2.89 -2.70 -3.43 -2.54 -2.43	2.46 2.93 4.31 M 1.66 2.62	29 32 .96	2.73 3.15 5.33 2.68 2.93	09 19 1.95 92 .25	2.72 3.23 2.74 2.76 2.29	.14 .15 51 83 13	M 34.09 37.34 M 37.71 M 41.65 M 32.88	-7.47

## AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

VIRGINIA TIDEWATER 01 BACK BAY WILDLIFE RFG EASTVILLE 39.0 EMPORIA 1 WNW FREDERICKSBURG SEWAGE HAMPTON UNIVERSITY HOLLAND 1 E HOPEWELL LANGGLEY AIR FORCE BASE NORFOLK INTL AP NORFOLK SOUTH NORTH NORTH STONY CREEK 2 N STONY CREEK 2 N SUFFOLK LAKE KILBY WAKEFIELD INW WALKERTON 2 NW WALLACETON LK DRUMMOND WARSAW 2 NW WEST POINT 2 NW WILLIAMSBURG 2 NDIVISIONAL DATA> 40.3	[ 9.0   1.2   3   6.0   2.6   1.6   3   4.3   1   1.7   1	M 3 3.5 4 3 4		TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	PARTURE.	TEMPERATURE	EPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	ARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.
TIDEWATER   01	9.0 1.2 6.0 2.6 1.6 4.3 1 1.7	3.5 3 4.3 4	8.9								_	F	DEP.	TEN	DEP/	TEMP	DEPA	TEMP	DEPAI	TEMP	DEPA	TEMP	DEPA	TEM	DEPA
EASTERN PIEDMONT 02	8.3 9.6 9.7 2.7 1.7 2.0 0.4 1.8 8.9 1.9 9.6 9.9 1.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	4.6	8.6 3.5 2.2 1.9 5.7 2.9	41.3 46.5 45.4 47.4 M M 6 45.3 45.0 42.0 42.0 43.2 44.8 43.4 43.4 43.4 43.1 44.5 45.2	-3.4 -3.3 -2.6 -3.3 -3.7 -4.4 -4.1 -3.8 -4.2 -4.7 -3.3 -3.6 -3.2	M 56.1 57.5 55.4 59.6 58.4 61.5 M 57.5 57.5 55.1 56.2 58.3 58.1 57.4 57.0 54.6 58.1 57.6 59.0 57.5	.3 1.8 1.7 .1 .0 .7 .0 .7 .023 1.37 1.2 1.1	M 61.4 63.3 61.1 64.9 63.7 66.2 M 62.5 62.4 60.3 61.2 64.2 63.0 62.2 60.5 62.6 62.2 62.6 63.2 63.2	-2.3 -1.4 -1.6 -3.8 -4.0 -2.3 -3.6 -2.8 -3.5 -3.0 -4.3 -3.0 -2.6	M76.5 73.8 74.6 74.9 76.4 75.0 77.9 M 75.1 74.2 73.8 75.1 74.6 74.7 71.6 75.3 75.7 75.3 75.3	2.3 1.2 2.1 2.3 .6 .3 .2 .4 1.1 1.3 1.8 1.0 1.5 1.2	M 81.0 81.2 79.8 82.6 81.2 83.8 M 81.0 80.5 80.1 81.0 80.5 81.0 80.0 77.7 79.8 81.0 81.0	3.3 4.1 4.2 1.9 1.8 2.2 2.0 2.4 2.6 2.2 2.2 3.1 2.5	M 79.9 79.8 78.5 81.9 80.0 82.3 M 80.1 79.7 77.9 79.1 M79.2 79.5 79.2 78.6 76.6 79.6 79.9 80.0 79.5	3.6 4.6 4.3 2.7 2.6 3.0 2.7 3.0 2.7 3.6 2.9 3.5 3.1	M78.2 74.9 75.5 72.7 77.4 74.9 77.9 M 75.8 74.6 73.2 M74.3 74.8 73.4 72.9 71.4 73.6 74.2 75.1 74.6	5.2 5.5 5.1 5.8 3.7 2.3 4.3 3.5 2.6 3.3 3.6 3.3 4.1	M 62.5 61.5 58.5 65.0 62.0 63.4 M 63.8 62.9 61.0 62.4 M59.8 62.2 60.6 59.5 59.4 60.4 60.6 62.1 61.5	2.9 3.3 2.3 2.7 2.2 2.1 1.8 1.0 1.4 1.5 .7 2.3 2.2	M 53.5 52.2 49.3 57.2 55.1 57.1 M 54.6 53.5 52.1 54.2 51.2 53.5 52.2 52.1 M51.2 54.2 53.5 52.1 54.2 53.5	2.8 4.9 5.2 2.3 2.9 2.3 2.1 1.3 3.2 4.6 3.0 4.1 3.3	M 40.2 39.3 34.9 43.4 40.6 42.1 M 42.0 40.7 39.6 38.6 40.8 38.7 37.2 37.6 38.4 40.1 39.5	-1.9 -1.4 -2.2 -3.3 -1.7 -2.6 -3.2 -3.2 -2.5 -3.7 -2.4 -2.3	M 58.7 59.5 56.8 61.8 60.0 M62.5 M 60.1 59.5 57.4 58.6 M59.0 59.8 58.8 58.1 M56.8 58.9 59.1 60.0	1.5 2.2 2.3 .4 .1 .9 .4 .2 .4 .1 .1 1.2
AMELIA 8 NE  AMELIA 8 NE  ASHLAND  BREMO BLUFF  CAMP PICKETT  CHASE CITY  CLARKSVILLE  CORBIN  CROZIER  FARMVILLE 2 N  GREENBAY 3 NE  JOHN H KERR DAM  LAWRENCEVILLE 3 E  LOUISA  MONTPELIER  PALMYRA 3S  PETERSBURG  RICHMOND INTL AP  SANDSTON  -DIVISIONAL DATA>  WESTERN PIEDMONT 03	8.1 26.9 3.8.4 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.8 2.7.7 2.8.6 6.4 8.8.9 2.0.1 3.7.4	2.6	8.5 -1.1 9.2 2.8	41.6 42.4 41.1 40.6 41.6 41.8 43.1 45.8 M42.8 41.5 40.8 39.2 43.9 45.2 42.1	-4.3 -3.1 -4.0 -6.0 -5.7 -4.3 -6.0 -2.4 -4.9 -3.2	56.7 56.9 54.6 56.6 54.3 58.5 55.9 55.8 56.1 57.4 58.6 56.3 55.5 54.7 53.0 57.4 58.5 56.1 56.3	.4 .0 1.2 -2.1 .3 .4 8 1.4 .6 1.4	62.4 61.6 60.1 61.7 60.6 63.9 59.2 60.2 61.4 62.0 64.4 61.2 60.3 59.8 62.3 63.4 61.5 61.3	-2.9 -3.7 -2.4 -4.6 -5.1 -3.9 -3.7 -1.4 -3.1 -2.1	74.2 73.7 M73.2 73.3 71.3 74.8 72.6 73.5 72.7 73.0 75.6 72.3 73.2 72.9 70.5 75.4 76.2 74.4 73.5	1.4 1.0 1.1 -2.5 .1 1.1 4 1.7 .1 2.9	79.2 78.7 M 79.5 78.0 79.2 78.9 79.0 83.3 77.3 78.3 M 76.5 81.0 81.7 80.2 79.4	2.1 2.6 2 1.2 2.0 1.7 4.9 .8 3.9	77.7 77.8 79.6 M77.2 75.9 80.5 78.5 77.6 77.6 80.9 76.4 77.5 M76.9 980.6 78.6 78.1	2.8 4.6 1.8 2 3.2 1.9 1.7 4.0 1.4 4.8	71.9 72.6 73.9 73.1 71.0 75.8 M 72.3 72.1 72.5 69.8 70.9 69.4 74.8 75.6 73.2 72.8	3.9 6.1 4.2 1.6 3.3 3.2 5.5 3.8 3.6	57.4 58.5 60.4 59.2 57.5 561.7 59.5 58.1 58.7 58.6 61.9 59.8 57.7 57.3 60.8 61.9 58.6 59.2	1.3 4.1 2.3 .1 2.2 1.3 1.0 2.9 2.1 2.9	48.8 51.7 50.7 50.3 48.5 51.4 49.6 49.3 49.7 51.8 53.0 M52.5 48.8 49.1 46.9 M52.1 53.1 49.4 50.4	3.9 5.0 2.7 .6 1.4 1.6 1.3 3.1 3.9 3.6	34.8 36.4 36.3 36.9 34.8 39.4 34.9 36.1 36.2 36.2 39.3 M37.0 34.2 35.1 33.9 38.3 38.6 35.8	-2.8 5 -2.2 -4.2 -4.3 -2.8 -3.8 -2.2 -3.4 -2.1	57.1 57.4 M M57.4 55.8 M M 56.8 57.0 57.6 M M57.1 56.1 M 54.5 M58.8 59.8 57.2	.8 1.0 -1.3 .43 .2 1.9

## AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

STATION	JA	AN	FE	В	M	AR	API	R	M	AY	JU	N	Л	UL	AU	JG	SE	P	OC	СТ	NO	OV	DE	EC	ANN	UAL
	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.
BEDFORD BROOKNEAL CHARLOTTESVILLE 2W CHATHAM DANVILLE DANVILLE REGIONAL AP R LYNCHBURG NO 2 LYNCHBURG INTL AP R MARTINSVILLE FLTR PLT MONTICELLO PHILPOTT DAM 2 ROCKY MOUNT SOUTH BOSTON STUART TYE RIVER 1 SEDIVISIONAL DATA>	37.9 32.7 37.5 37.6 40.1 40.7 37.7 38.0 38.4 37.1 39.1 M38.6 39.4 39.7 38.1 38.2	3.3 -1.4 2.0 3.0 3.5 4.5 3.0 3.1 3.5 4.5 3.5 4.5 3.2 2.4	39.8 33.7 40.2 38.6 41.4 42.1 38.6 39.5 39.4 40.8 40.2 39.9 41.3 40.2 39.6	2.5 -3.0 1.5 1.2 1.7 1.7 3.1 1.1 2.3 2.1 8 3.0 2.2	41.7 36.9 42.2 41.2 45.2 41.1 42.3 42.7 42.0 43.6 41.3 43.2 44.3 42.4 42.3	-4.2 -7.7 -4.7 -3.9 -3.7 -1.7 -2.8 -4.4 -3.5 -1.8 -3.2 -4.2	55.1 50.0 56.3 54.0 57.4 57.1 53.7 55.6 54.2 55.6 55.9 M53.7 56.7 56.7 56.0 55.1	.3 -3.5 8 .1 .1 .3 .8 2 .8 -1.0 .4 1.7 .8 6	60.5 M 61.7 59.7 63.2 62.5 59.5 60.0 59.5 60.1 61.9 59.7 60.9 60.4 60.7	-2.8 -3.5 -2.9 -2.9 -3.4 -2.9 -3.7 -2.0 -3.2 -3.0 -1.5 -2.6 -2.8	71.1 M 74.0 70.2 73.5 73.4 70.5 70.7 73.2 72.5 69.6 72.0 71.6 72.8 71.9	2 1.1 8 9 .5 .1 1.4 -1.5 3 .9 1.8 .3	76.9 M 78.4 76.3 80.6 78.8 76.2 76.7 77.4 M 76.6 78.7 77.1 77.8 77.5	1.2 1.5 1.1 1.8 1.6 1.7 1.8 1.1 1.9 2.4 2.4 1.6	76.0 M 77.6 75.5 79.2 78.4 75.4 76.3 M75.4 76.2 77.0 75.2 77.6 76.5 76.9	2.0 2.2 2.0 2.1 2.5 2.1 2.5 2.0 1.3 3.2 3.0 2.4	70.4 M 72.3 69.1 74.2 73.6 69.1 70.8 68.5 70.5 71.0 M69.0 72.7 70.9 71.2 71.0	2.9 3.1 2.2 3.8 3.7 1.7 3.6 2.7 1.8 4.0 3.7 4.0 3.4	58.8 M 59.1 57.5 60.9 60.5 57.6 58.2 58.2 58.0 59.4 57.4 59.6 60.1 58.7 58.8	2.0 .8 2.6 2.7 2.1 3.0 2.2 2.1 1.3 3.0 3.8 2.5 2.5	48.5 M 50.0 46.6 49.7 50.2 47.4 48.1 47.5 49.4 49.1 47.7 49.2 50.1 49.2 48.7	1.4 1.1 .7 1.1 1.5 1.9 2.1 .9 2.8 1.9 2.8 2.0 1.2	36.2 M 35.8 34.5 37.6 37.5 34.4 35.0 34.3 35.6 36.6 M34.6 37.1 37.3 36.6 35.9	-2.4 -3.5 -3.4 -2.5 -3.2 -2.8 -2.5 -2.6 -3.8 -2.4 -1.4 -1.8 -3.0	56.1 M 57.1 55.1 58.5 58.3 55.1 56.0 M55.5 56.2 M M55.5 56.2 M M55.3 57.2 57.3 56.7	.5 .1 .2 .6 .6 1.0 .6 2 .7 1.8 1.2 .3
NORTHERN 04 BOSTON 4 SE EDINBURG FRONT ROYAL LINCOLN MADISON MANASSAS MOUNT WEATHER PIEDMONT RESEARCH STN SOMERSET SPERRYVILLE STAR TANNERY STERLING RCS THE PLAINS 2 NNE VIENNA WARRENTON 3 SE WASHINGTON DULLES INTL R WASHINGTON REAGAN NTL R WINCHESTER WINCHESTER WINCHESTER 7 SE WOODSTOCK 2 NEDIVISIONAL DATA> CENTRAL MOUNTAIN 05	34.3 33.3 36.1 M M M33.7 M31.5 36.1 34.7 31.3 33.4 34.0 M 34.8 36.1 33.1 32.9 M 34.1	2.7 3.0 2.9 3.1 1.2 2.4 2.5 2.3	36.7 35.7 36.3 M34.6 M M M32.9 39.2 37.5 38.3 35.5 34.8 35.1 36.5 M 37.4 39.6 36.7 35.4 34.4 36.3	.4 1.7 3.1 1.6 2.6 1.5 2.6 1.9 .4 1.2	39.4 37.5 37.2 38.6 M41.5 M 33.6 41.1 40.5 40.7 36.8 38.2 38.2 39.5 M 40.9 43.1 38.6 37.4 36.8 38.9	-4.3 -5.3 -3.2 -3.5 -2.5 -3.4 -3.6 -4.7 -5.9 -4.2	53.0 51.8 55.9 51.7 M56.6 M M51.6 55.8 54.2 54.8 51.9 53.0 52.5 M53.2 M54.3 55.3 57.3 57.3 54.2 52.4 51.9 53.8	2 2.3 1.5 1.5 .6 2.2 1.2 1.6 .7 .2 .9	57.4 56.1 58.4 57.0 M60.3 M M54.0 60.2 59.3 M 57.4 57.0 M58.0 58.3 59.7 61.9 58.8 56.7 56.8 58.0	-4.8 -5.1 -3.1 -4.2 -2.6 -3.7 -3.4 -4.8 -4.9 -3.8	M71.4 70.6 72.0 71.9 M74.3 M M69.5 73.5 71.5 70.1 71.5 71.4 71.5 71.6 73.7 75.7 73.0 71.2 71.6 72.0	1.6 1.9 1.7 1.7 2.8 1.2 2.4 1.2 1.5 1.9	76.6 74.7 76.2 M76.7 M78.9 M M74.7 78.6 77.8 M 75.2 76.4 76.0 M76.2 77.9 80.5 77.3 75.9 76.0 76.8	1.5 2.6 2.5 1.9 1.2 2.2 1.3 2.1 1.3 1.5 2.3	75.0 73.8 75.4 75.2 77.3 M M 77.5 M76.8 75.0 74.7 M74.8 75.5 77.7 80.1 75.1 75.1 75.3 75.9	1.6 3.1 1.8 3.3 2.7 2.7 2.2 2.2 3.1	68.9 67.2 69.5 68.5 M71.0 71.5 69.7 71.8 70.3 69.1 68.1 69.9 69.2 M 71.9 75.0 70.3 68.2 69.3	2.1 5.6 4.1 3.2 4.6 4.5 4.4 2.3 3.4 3.9	56.4 55.1 56.1 56.7 M 57.8 55.8 58.2 M58.1 M M56.1 M58.5 57.6 56.5 57.4 58.8 60.5 56.4 55.5 56.2	1.6 2.8 2.2 4.6 1.5 3.8 1.7 2.2 1.4 1.6 2.6	46.1 44.9 47.5 45.2 M 47.9 46.8 49.4 48.1 47.5 45.9 45.4 47.0 47.4 47.1 47.8 50.2 47.6 46.1 45.8 47.0	.4 3.6 2.9 1.5 .7 2.6 1.5 3.0 1.7 1.6 1.8	32.2 29.9 31.7 31.6 M 34.4 30.9 34.8 34.1 33.4 30.8 31.2 32.6 33.2 32.8 33.4 36.3 31.9 32.5	-4.2 -2.6 -2.4 -3.8 -4.2 -2.6 -3.1 -3.0 -4.8 -3.8 -3.5	M54.0 52.6 54.4 M M M 56.4 M55.4 M M52.8 M53.6 M M54.2 M 55.8 58.0 54.5 53.1 M	1.3 .8 1.6 .6 1.1 .1
BUENA VISTA COVINGTON FILTER PLANT DALE ENTERPRISE GATHRIGHT DAM HOT SPRINGS LEXINGTON	38.0 37.6 33.6 34.9 33.3 37.4	5.6 3.1 3.7 3.3 4.9	40.7 38.6 35.0 36.1 34.7 38.6	3.2 1.5 2.1 1.7 3.2	42.9 41.0 37.1 38.3 37.2 40.5	-2.6 -4.9 -4.0 -3.9 -3.8	55.9 53.9 52.0 52.6 51.3 53.8	.9 1.2 .9 .7	58.4 56.3 57.0 56.0 58.9	-4.1 -4.5 -3.6 -3.5 -3.6	71.0 70.4 69.0 67.7 71.7	.9 1.0 .5 .4 1.3	76.1 74.6 73.5 71.7 77.2	1.8 1.1 1.0 .3 2.5	75.4 74.0 73.0 71.0 76.2	2.8 2.2 1.7 .8 3.1	69.0 67.4 66.4 64.6 69.5	3.1 2.6 1.6 1.2 3.4	58.2 54.6 55.6 54.2 57.8	3.1 1.1 1.6 1.9 3.1	46.7 44.7 44.8 43.7 46.3	2.2 1.4 .8 1.3 2.1	33.5 30.1 31.1 29.6 33.3	-2.6 -4.8 -4.1 -4.0 -2.9	55.0 52.5 52.7 51.3 55.1	1.2 .1 .2 .0 1.2

# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL(°F)

STATION	JA	AN	FE	В	M	AR	API	R	M	AY	JU	N	Л	ЛL	Αl	JG	SE	P	OC	СТ	N(	OV	DE	EC	ANN	UAL
	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.	TEMPERATURE	DEPARTURE.
MILLGAP 2 NNW MUSTOE 1 SW ROANOKE 8 N ROANOKE INTL AP R STAUNTON SEWAGE PLANT WAYNESBORO SEWAGEDIVISIONAL DATA> SOUTHWESTERN	30.7 31.5 38.8 40.5 M 34.3 35.5	4.7	31.6 32.8 40.0 41.7 M 36.8 37.0	2.6	M33.9 34.9 42.0 44.1 38.6 37.9 39.0	-3.1 -3.1 -4.7	47.6 47.8 54.8 56.8 53.4 51.6 52.6	.7 2.6 1	52.3 52.3 60.4 62.2 58.0 M 57.2	-1.9 -1.8 -4.2	65.4 65.4 71.2 72.8 70.6 70.2 69.6	.9 2.7 .3	70.0 69.8 76.9 77.8 74.7 74.9 74.3	1.6 2.6 .9	68.7 69.0 76.7 77.6 74.2 74.3 73.6	2.9 3.7 1.7	61.9 61.8 70.4 71.2 M 67.6 67.0	3.5	51.5 52.4 59.4 60.2 M 55.7 56.0	3.6	40.1 41.1 48.7 49.9 47.8 46.3 45.5	2.6 4.7 1.2	26.3 26.8 35.7 36.9 32.5 32.7 31.7	-2.2 -1.9 -4.2	M48.3 48.8 56.3 57.6 M M 53.3	1.3
MOUNTAIN 06 ABINGDON 3 S BIG STONE GAP BLACKSBURG NWSO R BLAND BREAKS INTERSTATE PARK BURKES GARDEN CHRISTIANSBURG CLINTWOOD 1 W FLOYD 2 NE GALAX RADIO WBRF GRUNDY JOHN W FLANNAGAN LAKE LEBANON NORTH FORK LAKE PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 3 ENE WISE 3E WYTHEVILLE 1 SDIVISIONAL DATA>	37.8 38.9 34.7 35.1 36.5 32.7 36.6 35.9 M34.7 35.2 37.7 M 38.4 M 38.3 36.2 36.3 M37.6 35.3 36.1 35.3	5.3 5.3 3.8 4.8 3.9 4.7 4.8 3.3 5.7 5.4 4.6 5.6 4.6 5.4 4.4	39.3 40.2 35.9 36.3 37.6 34.3 37.9 37.1 M35.4 37.0 39.2 37.7 38.2 M 39.1 37.3 M 36.3 M39.2 36.7 37.5	3.0 2.8 2.4 3.0 3.2 2.5 3.8 1.3 2.4 2.9 2.7 2.5 2.4 2.8 2.9 2.3	41.9 43.2 38.3 37.9 39.6 39.4 39.7 37.3 39.6 41.3 M 40.2 M 41.8 39.4 39.4 M M 939.0 M39.8 39.0 39.6	-2.7 -2.4 -3.1 -2.4 -3.1 -1.2 -4.6 -3.2 -2.5 -2.9 -3.1 -3.3 -4.9 -2.6 -3.7	53.4 54.9 50.5 49.2 53.8 M48.0 52.3 51.9 48.5 51.0 53.4 M54.5 52.1 M 54.4 50.9 51.0 M 51.5 53.7 50.4 51.9	.5 1.4 .5 .4 1.2 2 1.9 8 .7 1.8 1 .4 .7 .6 .6	59.0 60.5 56.8 54.6 57.8 58.5 56.8 54.3 56.6 58.8 M 57.3 M 59.0 57.1 55.9 M 56.1 58.5 55.8 57.0	-2.4 -2.3 -2.1 -3.3 -3.2 -3.5 -1.8 -4.1 -3.2 -2.8 -2.9 -4.1 -3.5 -2.3 -3.1 -2.6	70.7 72.2 67.9 66.6 69.7 64.6 68.8 67.7 64.0 66.6 70.2 M 69.7 M 67.2 68.8 M 67.8 68.7 66.6 68.3	1.7 2.0 1.0 1.1 1.1 -1.3 .9 6 1.4 1.9 3 .8 .7 .9 .2 1.1	74.6 75.7 73.1 73.4 73.8 69.8 74.3 72.7 74.1 M74.8 73.8 M 75.4 73.1 73.0 M 73.5 72.5 72.5 72.8 73.5	1.8 1.4 2.0 3.7 2.5  2.8 -1.1 2.0 1.6 1.6 .8 2.2 1.1 2.0 2.3	75.2 75.9 73.0 71.8 74.5 69.5 73.9 72.1 74.4 M75.3 73.9 M 75.5 72.7 73.4 75.3 72.7 73.5	3.7 2.0 3.4 3.4 3.9 3.8 .2 3.3 3.1 2.5 2.8 3.5 2.9 2.1 3.3 3.7	69.1 71.0 65.5 63.8 69.2 61.7 68.3 66.3 62.4 65.1 M 67.5 M 69.4 65.6 66.6 68.4 65.8 68.2 65.1 66.7	3.7 3.7 2.5 1.7 2.2 .9 3.1 1.0 3.0 1.8 2.2 3.0 2.4 3.7 1.8 3.1	M 58.4 55.6 54.3 55.9 51.7 56.8 54.5 53.3 55.4 M 57.2 56.1 55.6 57.1 55.6 57.1 55.6 55.8 55.3 55.7	3.0 3.9 3.3 3.1 2.3 4.9 1.4 2.5 2.7 3.4 3.1 3.6 6 3.4 1.2 3.4 3.0	M47.0 47.1 45.5 44.0 46.2 46.7 44.2 43.3 45.4 46.5 M 45.8 M 45.2 45.5 44.8 45.0 47.8 44.3 45.4	2.3 1.3 2.7 2.0 2.1 1.9 3.7 1 1.7 5 1.9 1.3 1.9 2.6 1.8 1.9	33.2 33.9 32.1 30.7 31.8 28.0 33.0 30.8 30.6 32.7 32.8 M 32.7 M 32.9 32.2 31.7 32.4 31.8 32.8 31.1 32.0	-2.8 -3.1 -2.0 -3.2 -4.3 -3.0 -1.1 -5.0 -3.3 -3.4 -3.2 -3.2 -2.8 -3.0 -3.8 -3.1 -3.3	M 56.0 52.4 51.5 53.9 M49.3 53.9 52.5 M 52.5 54.6 M 53.8 M 55.0 52.8 M 52.8 M 53.1 53.1	1.3 1.3 1.2 1.1 2.1 8 1.1 1.2 .8 .7 1.0 .8 1.0

## TEMPERATURE EXTREMES AND FREEZE DATA (°F)

STATION						L	AST S	PRIN	G MIN	IIMU	M OF						FII	RST	FALL I	MINI	MUM	OF	1				ER OF		<b>,</b>
	ST		ST		16° ( BEL		20° C BELO		24° O BELO		28° ( BELC		32° ( BELC		32° ( BEL(		28° BEL		24° ( BELC		20° ( BELC		16° O BELO		BELOW	BELOW	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	TEMP.	16° OR BE	20° OR BE	24° OR BE	28° OR BE	32° OR BE
VIRGINIA TIDEWATER 01 BACK BAY WILDLIFE RFG EASTVILLE EMPORIA 1 WNW FREDERICKSBURG SEWAGE HAMPTON UNIVERSITY HOLLAND 1 E HOPEWELL LANGLEY AIR FORCE BASE	100 102 99 101 104 102	7/28 7/28 7/28 7/27 7/28 7/28	13 11 8 17 11 12	1/19 1/25 1/24 1/18 1/19 1/24	MSG 1/29 1/29 1/30 NONE 1/25 1/24 MSG	14 16 12 16 12	MSG 1/30 3/5 3/9 1/29 3/4 1/28 MSG	20 20 20 20 19 18	MSG 2/26 3/10 3/10 1/29 3/9 3/4 MSG	24 24 21 20 21 22	MSG 3/11 3/11 3/22 3/9 4/17 3/10 MSG	27 27 28 28 28 28	MSG 3/16 3/19 3/23 3/10 4/17 3/18 MSG	31 31 30 31 28 29	MSG 11/19 11/11 10/30 11/18 10/30 11/18 MSG	29 32 31 31 29 31	MSG 11/26 11/18 11/18 12/10 11/18 11/19 MSG	26 28 25 28 28 26	MSG 12/14 11/26 11/19 NONE 11/19 12/10 MSG	23 24 24 22 24	MSG NONE 12/22 12/7 NONE 12/20 12/22 MSG	20 19 20 20	MSG NONE NONE 12/21 NONE NONE NONE	16	325	292 273 291 328	291 261 254 255 281	260 252 241 276 215 254	248 237 221 253 196 245
NORFOLK INTL AP R NORFOLK SOUTH NORTH PAINTER 2W STONY CREEK 2 N SUFFOLK LAKE KILBY WAKEFIELD 1NW WALKERTON 2 NW WALLACETON LK DRUMMOND WARSAW 2 NW WEST POINT 2 NW WILLIAMSBURG 2 N EASTERN PIEDMONT 02	101 100 96 99 103 99 103 100 102 99 101	7/27 7/27 7/28 7/27 7/28 7/27 7/27 7/27	16 16 11 11 9 14 6 8 5 11 8	1/19 1/19 1/25 1/19 1/24 1/19 1/24 1/29 1/19 1/24 1/24	1/19 1/19 1/30 1/28 3/4 1/24 3/4 3/4 2/19 2/19 1/29	16 16 16 12 15 15 16 13 12 16 16 16	1/28 1/29 2/20 2/19 3/6 1/29 3/9 3/10 3/15 3/4 3/9 2/19	19 20 20 19 19 19 19 20 19 19	3/4 3/4 3/10 2/26 3/9 3/4 3/15 3/19 3/22 3/10 3/10 3/9	22 22 21 21 22 23 23 24 24 24 22 24 24	3/6 3/10 3/15 3/18 3/18 3/19 4/17 3/25 3/22 3/18 3/15	28 28 27 28 28 26 28 27 26 28 26 28 26 28	3/19 3/19 3/22 4/17 3/22 3/18 4/17 4/17 5/4 4/17 4/17 3/19	32 31 30 31 31 32 29 27 30 30 31 31	11/18 11/18 11/18 11/18 10/30 11/18 10/27 10/27 10/27 10/29 10/27 11/18	32 30 30 32 29 30 32 30 28 32 32 29	11/26 11/19 11/19 11/19 11/18 11/19 11/12 10/30 10/27 11/18 11/19	26 28 27 25 26 28 28 28 28 27 27 26	12/7 12/20 11/26 11/26 11/19 12/14 11/18 11/18 11/12 11/19 11/19	24 24 22 21 24 24 24 22 23 24 24	NONE NONE 12/14 11/26 NONE 11/26 11/25 12/7 12/8 12/20	20 20 19 19 19 18 20 20	NONE NONE NONE NONE NONE 12/22 12/14 11/26 NONE NONE NONE	16 15 13	293 285 267	298 265 262 261 255 278 274 304	278 291 261 273 255 285 248 244 235 254 254 262	265 254 249 246 245 255 238 196 216 241 245 249	244 244 241 215 222 245 193 176 195 193 244
AMELIA 8 NE ASHLAND BREMO BLUFF CAMP PICKETT CHASE CITY CLARKSVILLE CORBIN CROZIER FARMVILLE 2 N GREENBAY 3 NE JOHN H KERR DAM LAWRENCEVILLE 3 E LOUISA MONTPELIER PALMYRA 3S PETERSBURG RICHMOND INTL AP SANDSTON WESTERN PIEDMONT 03	100 95 102 99 102 103 100 98 99 106 104 98 97 103 100 98	7/28 7/27 7/27 7/28 7/28 7/27 8/6 7/28 7/28 7/28 7/27 8/5 7/28 7/28 7/28 7/28 7/28	4 6 6 6 3 6 4 9 7 2 4 6 6 8 8 8	1/24 1/24 1/30 1/24 1/24 1/25 1/19 1/24 1/24 1/24 1/25 1/24 1/25 1/25 1/25 1/24	2/19 2/19 3/5 3/4 3/5 MSG 3/9 3/5 1/30 1/29 MSG 3/9 3/10 3/5 3/11 1/30 1/29 2/19	16 15 14 16 14 16 16 13 13 15 15 16 16 16	3/9 3/9 3/16 3/9 3/11 3/5 3/10 3/11 3/4 3/9 3/4 3/10 3/15 3/11 3/16 3/4 2/19 3/5	19 19 20 17 19 20 19 20 19 20 19 18 19 19 20 18	3/18 3/15 3/23 3/12 3/19 3/9 3/11 3/16 3/18 3/10 3/10 3/22 3/16 3/23 3/9 3/9 3/11	24 24 24 23 22 23 23 24 24 24 23 18 23 24 24 22 22 22	3/21 3/22 4/18 3/19 4/18 3/18 3/22 3/23 3/19 3/19 3/18 4/17 4/17 3/23 4/18 3/18 3/10 3/20	28 27 27 28 28 28 27 27 25 24 27 27 26 26 27 27 25 28	4/17 4/17 5/8 4/17 4/25 3/19 5/3 4/18 4/17 3/21 5/2 5/7 5/4 4/17 3/21 4/18	29 32 32 30 29 31 30 30 32 32 32 32 31 32 32 32 32 32 32 32 32 32 32 30 30 30 30 30 30 30 30 30 30 30 30 30	10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27	28 31 29 30 26 31 28 31 31 32 27 29 29 31 32 32	10/27 11/18 10/30 11/12 10/27 11/18 11/18 10/27 11/12 11/18 10/30 10/27 10/30 10/28 11/19 11/18 11/18	28 24 28 26 23 25 28 21 23 28 27 28 28 27 28 27 28 27 25 25	11/18 11/18 11/19 11/18 11/19 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/19 11/18 11/19	20 24 23 21 18 23 23 18 22 21 23 21 20 21 21 24 24 22	11/18 11/26 11/19 11/26 11/18 NONE 12/7 11/18 11/26 12/10 11/18 11/19 11/19 11/19 12/19 12/14 12/8	20 20 20 20 18 17 18 19 20 20 19 20 19 20 19 20	12/ 7 12/14 12/13 12/21 11/19 NONE 12/14 12/14 12/21 NONE NONE 12/ 7 12/11 NONE NONE 12/ 7 12/14 11/27 NONE NONE NONE	16 16 15 15 15 14 13 16 14 15 15	291 298 283 292 259 280 284 325 326 272 284 261	254 262 248 262 252 272 252 267 276 285 275 248 253 248 290 298 278	245 248 223 252 244 254 253 247 245 244 253 254 241 247 240 255 255 253	220 241 195 238 192 245 241 218 238 244 245 196 193 221 193 246 253 243	193 193 172 193 185 225 192 193 193 222 178 176 176 196 236 192
APPOMATTOX BEDFORD BROOKNEAL	96 93	7/28 8/16	11	1/29	MSG 1/30 3/11	13 16	MSG 3/5 3/16	17 19	MSG 3/5 MSG	17	MSG 3/19 MSG	25	MSG 4/16 MSG	32	10/29 10/27 MSG	32 31	11/18 11/18 MSG	21 23	11/18 11/18 MSG	21 23	12/10 11/26 MSG	20 19	12/14 NONE MSG	14		266	258	244	194

## TEMPERATURE EXTREMES AND FREEZE DATA (°F)

STATION						L	AST S	PRIN	G MIN	IMU	M OF						FII	RST I	FALL N	MINI	MUM	OF	1				ER OF		,
	ST	8	ST	m	16° ( BEL(		20° O BELO		24° O BELO		28° ( BELC	·	32° C BELC		32° C BELC		28° BEL		24° ( BELC		20° ( BELC		16° O BELO		BELOW	BELOW	BELOW	BELOW	BELOW
	HIGHES	DATE	LOWEST	DATE	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	16° OR BE	20° OR BE	24° OR BI	28° OR BE	32° OR BE
CHARLOTTESVILLE 2W CHATHAM DANVILLE DANVILLE REGIONAL AP R LYNCHBURG NO 2 LYNCHBURG INTL AP R MARTINSVILLE FLTR PLT MONTICELLO PHILPOTT DAM 2 ROCKY MOUNT SOUTH BOSTON STUART TYE RIVER 1 SE NORTHERN 04	97 94 99 98 94 96 97 95 97 98 95 96	8/6 7/28 7/28 7/27 7/28 7/25 7/26 7/28 7/26 7/28 7/27 8/5	10 8 8 6 7 5 4 11 9 7 11 7	1/19 1/19 1/25 1/24 1/25 1/24 1/19 1/24 1/24 1/25 1/24 1/24	1/29 3/ 5 1/25 1/28 2/20 3/ 4 3/15 1/29 1/29 3/ 7 1/30 1/28 2/20	13 15 8 15 16 16 16 12 14 16 15 15 16	2/20 3/11 3/5 3/4 3/10 3/10 3/15 2/19 3/4 3/7 3/5 1/30 3/11	19 20 19 19 20 20 16 18 19 16 17 20 20	3/10 3/19 3/5 3/10 3/19 3/18 3/19 3/10 3/5 3/18 3/16 3/18	24 22 19 22 24 22 23 22 22 23 24 21 24	3/15 4/18 3/19 3/19 4/17 3/19 4/17 3/15 3/19 4/18 3/20 3/20 3/19	28 28 28 28 28 28 27 28 27 28 27 28 27 28 27	3/22 4/29 3/20 4/17 5/3 5/3 5/3 3/23 4/17 5/5 4/18 4/17 5/4	32 32 30 31 32 31 32 30 31 31 30 32 32	11/17 10/27 10/30 10/27 10/27 10/26 10/26 10/30 10/27 10/27 10/27 10/27	32 27 32 28 29 32 31 32 30 28 30 30 31	11/18 10/27 11/18 10/27 10/28 10/27 10/27 11/18 11/18 10/27 10/31 11/11	26 27 26 28 28 27 27 25 25 28 28 26 20	11/25 11/11 11/19 11/18 11/18 11/18 11/11 11/25 11/19 11/18 11/18 11/18	21 24 23 24 22 20 24 21 23 19 22 21 20	12/14 11/18 12/22 11/26 11/19 11/18 11/18 11/26 11/18 11/19 12/20 11/18	18 20 19 19 20 20 18 20 19 19 20 18 20	NONE 12/21 NONE NONE 12/20 12/10 12/7 NONE NONE 12/22 NONE 12/21 11/25	15 14 16 16 14 16 16	291 303 281 267 290 327 278	297 252 292 267 254 253 248 292 267 256 259 324 252	260 237 259 253 244 245 237 260 259 245 247 258 245	248 192 244 222 194 222 193 248 244 192 225 236 244	240 181 224 193 177 176 176 221 193 175 192 193 176
BOSTON 4 SE EDINBURG FRONT ROYAL LINCOLN MADISON MANASSAS MOUNT WEATHER	95 95 95 96	7/28 7/26 7/28 7/30	2 3 7	1/25 1/24 1/24 1/24	3/ 5 3/ 5 2/20 3/ 5 3/ 4 MSG 3/ 9	14 11 10 15 16	3/11 3/22 3/ 5 3/15 3/10 MSG 3/11	20 20 18 20 20 20	3/22 4/16 3/23 3/22 3/22 MSG 3/16	24 24 24 23 24 22	4/16 5/3 3/23 4/16 3/22 MSG 3/23	28 28 24 27 24 27	5/ 4 5/ 7 4/16 5/ 7 5/ 3 MSG 4/14	30 31 29 31 30	10/27 10/27 10/29 10/27 MSG 10/27 11/17	29 29 26 32 32 32	11/11 11/12 10/29 11/11 MSG 11/18 11/18	28 25 26 27 26 21	11/18 11/18 11/19 11/19 MSG 11/19 11/18	22 17 24 17 22 21	11/19 11/18 11/25 11/19 MSG 11/25 11/25	19 17 14 17 20 15	12/ 7 11/25 11/25 11/26 MSG 12/14 11/25	16 14 14 16 15 15	277 265 278 266	253 241 265 249 259	241 216 241 242 247	209 193 220 209	176 173 196 173
PIEDMONT RESEARCH STN SOMERSET SPERRYVILLE STAR TANNERY STERLING RCS THE PLAINS 2 NNE VIENNA WARRENTON 3 SE	98 96 97 96 97 93	8/ 6 8/ 6 8/14 7/28 7/28 7/28	5 8 4 7 6	1/24 1/25 1/28 1/30 1/25	2/19 2/19 2/19 3/10 3/10 3/9 2/19 MSG	14 13 13 15 15 16 16	3/10 3/11 3/5 3/10 3/10 3/15 3/10 MSG	20 18 17 15 15 20 17	3/11 3/22 3/15 3/23 3/22 4/16 3/11 MSG	24 24 24 22 22 24 22	3/22 4/17 3/23 4/17 4/17 4/17 3/22 MSG	28 28 26 27 28 28 28	5/3 5/3 5/3 5/7 5/4 5/7 4/17	32 29 32 31 32 31 32 32	10/30 10/27 MSG 10/29 10/31 10/27 11/12 11/12	32 30 31 29 31 32 32	11/18 11/12 MSG 11/12 11/11 11/12 11/18 11/18	22 27 26 26 28 26 26 23	11/18 11/18 MSG 11/18 11/18 11/18 11/19 11/18	22 19 22 24 24 24 24 23	12/7 11/18 MSG 11/19 11/19 11/19 11/25 11/25	20 19 17 18 18 20 18	12/21 12/7 12/9 11/25 11/26 12/8 12/14 12/10	15 15 16 15 16 16 13 16	305 291 293 260 261 274 298	272 252 254 254 249 260	252 241 240 241 216 253	241 209 209 208 209 241	180 177 175 180 173 209 210
WASHINGTON DULLES INTL R WASHINGTON REAGAN NTL R WINCHESTER WINCHESTER 7 SE WOODSTOCK 2 NE CENTRAL MOUNTAIN 05	96 97 97 96 95	8/13 8/ 5 8/ 5 8/15 8/21	7 12 8 1	1/24 1/28 1/24 1/25	2/19 1/28 2/20 3/10 3/5	15 12 14 14 13	3/10 3/9 3/9 3/15 3/16	19 20 19 20 20	3/15 3/10 3/13 3/23 3/23	23 24 23 22 22	3/22 3/10 3/22 4/17 4/17	25 24 28 27 28	5/3 3/18 4/16 5/7 5/4	32 31 32 31 30	11/12 11/11 11/17 11/12 10/27 10/27	31 31 31 29 31	11/18 11/12 11/18 11/18 10/28 11/18	28 28 22 28 19	11/18 11/19 11/25 11/18 11/18 11/18	21 22 22 22 20 19	11/25 11/25 12/14 11/25 11/18 11/18	19 19 17 20 19	12/10 12/10 NONE 12/10 11/26 11/25	16 16 16 15	294 293 261 265	260 280 261 248 247	249 260 250 240 240	235 253 241 194 215	192 244 210 173 176
BUENA VISTA COVINGTON FILTER PLANT DALE ENTERPRISE GATHRIGHT DAM HOT SPRINGS LEXINGTON MILLGAP 2 NNW MUSTOE 1 SW ROANOKE 8 N ROANOKE INTL AP R	95 96 90 88 101 88 88 95	7/27 8/15 7/27 7/28 7/26 7/26 7/25- 8/13 7/25	3 0 1 0 5 -9 11 10	1/25 1/24 1/24 1/24 1/24 1/24 1/24 1/19 1/18	3/5 3/5 3/4 3/4 3/10 3/5 3/10 3/15 1/29 1/28	13 16 14 14 16 13 13 16 16	3/10 3/5 3/16 3/10 3/10 3/19 3/22 1/30 1/29	19 16 20 19 16 19 20 18 18 20	3/19 3/16 3/22 3/16 3/19 3/19 5/4 5/3 3/15 3/4	23 24 21 24 22 24 22 24 23 24 23	MSG 3/23 5/3 3/22 5/4 4/17 5/4 5/4 3/19 3/18	27 27 27 28 28 24 28 27 27	MSG 5/4 5/4 5/4 5/4 5/4 5/8 5/9 4/17 4/16	30 29 30 28 32 32 32 32 31	MSG 10/25 10/27 10/26 10/27 10/27 9/30 9/30 10/27 10/27	32 28 32 29 28 31 31 30 31	MSG 11/12 10/27 10/31 10/29 10/27 10/27 10/27 11/18 11/18	28 28 24 28 28 24 24 24 24 24	MSG 11/18 11/18 10/31 11/18 11/18 10/27 10/27 11/18 11/18	20 16 24 17 20 24 24 24 24	MSG 11/18 11/18 11/18 11/18 11/18 11/17 11/27 12/21	20 16 17 17 20 11 17 20 20	MSG 12/8 11/18 11/25 11/25 11/26 11/18 11/18 NONE NONE	16 16 14 12 16 11	278 259 266 260 266 253 248	258 247 253 253 253 244 240 301 326	247 241 229 244 244 176 177 248 259	234 177 223 178 193 176 176 244 245	174 176 175 176 176 145 144 193 194

## TEMPERATURE EXTREMES AND FREEZE DATA (°F)

STATION						L	LAST S	PRIN	G MIN	IIMU	M OF						FII	RST	FALL N	MINI	MUM	OF					ER OF EN D		
	ST	m	ST	m	16° ( BELC		20° C BELO	I	24° C BELO		28° ( BEL		32° C BELC		32° C BELC		28° BELO		24° ( BELC	- 1	20° ( BELC		16° O BELO		BELOW	BELOW	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	TEMP.	16° OR BI	20° OR BI	24° OR BI	28° OR BI	32° OR BI
STAUNTON SEWAGE PLANT WAYNESBORO SEWAGE SOUTHWESTERN			4	1/24	3/ 4 3/ 5	15 13	3/9 3/16	18 19	3/15 3/23	24 24	4/16 MSG	28	5/ 3 MSG	29	MSG 10/27	31	MSG 11/11	28	MSG 11/18	23	MSG 11/19	19	MSG 12/10	16	280	248	240		
MOUNTAIN 06 ABINGDON 3 S BIG STONE GAP BLACKSBURG NWSO R BLAND BREAKS INTERSTATE PARK BURKES GARDEN CHRISTIANSBURG CLINTWOOD 1 W FLOYD 2 NE GALAX RADIO WBRF GRUNDY JOHN W FLANNAGAN LAKE LEBANON NORTH FORK LAKE PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 3 ENE WISE 3E WYTHEVILLE 1 S	93 91 90 92 87 94 89 92 91 91 92 92 90	7/27 8/6 7/27 8/6 7/27 7/28 7/28 7/26 7/27 7/27 7/27 8/14 7/27 7/27	5 5 -6 0 -8 4 4 -3 3 1 1 1 -1 4 4 4 -4 -6	1/24 1/19 1/24 1/25 1/24 1/19 1/25 1/24 1/25 1/24 1/25 1/24 1/25 1/24 1/25	1/25 1/25 3/4 3/5 1/29 3/18 1/29 3/5 3/5 3/4 1/25 MSG 1/26 2/3 3/5 MSG 1/26 2/3 3/5 5 3/5	4 6 12 14 14 15 12 16 9 14 16 12 13 16 15 10 14 16	3/4 3/4 3/10 3/19 3/10 3/18 3/10 4/25 3/19 3/5 MSG 3/5 3/10 MSG 3/5 3/5 3/5 3/5 3/5 3/5 3/5 3/5	19 20 20 18 20 15 20 20 19 20 19 20 20 20 14 16	3/18 3/15 3/20 4/25 3/16 4/25 3/19 4/25 MSG 3/19 3/19 3/19 3/20 3/20 3/20 3/20	23 24 24 21 22 22 20 22 22 22 22 20 22 22 23 20 22 22 20 23 23 20 22 22 20 23 23 20 22 20 23 20 23 20 20 20 20 20 20 20 20 20 20 20 20 20	3/19 3/19 4/18 5/4 3/22 5/3 3/19 5/4 5/3 4/17 4/25 MSG 3/20 4/18 5/3 5/3 5/4	27 28 28 27 28 26 22 22 28 28 28 28 28 27 27 27 22 22 22 28 27 27 27 27 27 27 27 27 27 27 27 27 27	5/ 3 5/ 3 5/ 3 5/ 8 5/ 4 5/ 9 4/24 5/ 4 5/ 4 5/ 4 5/ 4 5/ 4 5/ 4 5/ 5 5/ 3 5/ 4 MSG 5/ 4 5/ 4 5/ 5 5/ 3 5/ 4 4 5/ 4 5/ 4 5/ 4 5/ 4 5/ 4 5/ 4 5/	31 30 29 32 30 30 30 30 31 29 32 31 30 32 28 31 27 27	MSG 10/27 10/25 10/27 9/30 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27	30 32 23 32 32 28 26 31 25 32 26 27 28 26 29 26 28 24	MSG 11/11 10/27 10/27 11/11 10/27 10/27 10/27 10/27 11/11 MSG 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27 10/27	26 25 23 26 19 28 26 22 25 27 26 27 28 26 28 26 28 24	MSG 11/18 11/18 11/18 10/27 11/17 10/27 11/18 11/11 10/27 11/18 11/18 MSG 11/11 MSG 11/18 11/12 11/12 11/12 11/17 10/27	20 19 23 31 19 20 23 22 18 20 24 24 16 24 24 24 24 24	MSG 11/18 11/18 11/18 11/18 10/27 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18 11/18	20 19 13 18 19 20 15 18 18 20 16 16 16 16 18 19 15	12/20 12/20 11/25 11/18 11/23 11/18 11/25 11/18 11/19 12/10 11/23 MSG 11/18 11/18 11/18 11/18 11/18 11/18	13 14 16 13 15 15 15 15 15 15 16 16 16 16 15 15 15 15	329 329 266 258 245 300 258 229 281 298 297 296 288 258 258 258 258 258 258 258 258 258	259 253 244 253 223 253 207 244 258 259 206 254 253 258 259 206	248 243 185 246 185 244 200 200 225 244 188 237 252 221	237 192 176 234 177 222 176 177 193 200 185 221 192 175 192 177 176	177 175 172 176 144 186 176 171 177 178 176 176 175 175 177 176

### MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE = 65 DEGREES FAHENHEIT

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
VIRGINIA TIDEWATER 01 BACK BAY WILDLIFE RFG EASTVILLE EMPORIA 1 WNW FREDERICKSBURG SEWAGE HAMPTON UNIVERSITY HOLLAND 1 E HOPEWELL LANGLEY AIR FORCE BASE	1 3 0 0 4 B 7	0 0 0 0 0 0	B 0 0 0 0 0 0	17 15 15 34 29 43	34 49 33 76 56 99	B 357 278 298 309 353 308 393	504 507 464 553 509 589	465 466 427 532 473 544	B 403 303 322 241 381 301 393	55 66 31 101 81 83	4 4 0 18 12 23	0 0 0 0 0 0	1661 1730 1520 2048 1773 B2174	1506 1298 1210 1619 1432
NORFOLK INTL AP R NORFOLK SOUTH NORTH PAINTER 2W STONY CREEK 2 N SUFFOLK LAKE KILBY WAKEFIELD 1NW WALKERTON 2 NW WALLACETON LK DRUMMOND WARSAW 2 NW WEST POINT 2 NW WILLIAMSBURG 2 N	4 2 1 0 2 2 2 4 1 0 0 2 2 1 3	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	22 24 12 17 25 19 22 24 7 31 23 32	37 36 20 28 66 33 46 33 24 41 42 49	318 312 231 279 316 303 305 304 214 318 331 320	500 495 430 474 506 486 503 474 401 465 504 512	478 464 409 448 B 450 457 448 427 367 459 471 469	333 296 256 258 B 284 302 263 251 202 269 285 308	82 78 49 62 B 44 64 55 39 36 43 48 65	13 8 2 4 1 6 7 6 B 2 12 11 13	0 0 0 0 0 0 0 0 0	1787 1715 1410 1570 B1694 1672 1653 1559 B1253 1640 1716 1771	1334 1409 1427 1356 1254 1282 1446 1364
EASTERN PIEDMONT 02 AMELIA 8 NE ASHLAND BREMO BLUFF CAMP PICKETT CHASE CITY CLARKSVILLE CORBIN CROZIER FARMVILLE 2 N GREENBAY 3 NE JOHN H KERR DAM LAWRENCEVILLE 3 E LOUISA MONTPELIER PALMYRA 3S PETERSBURG RICHMOND INTL AP SANDSTON WESTERN PIEDMONT 03	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 16 13 17 2 20 22 16 11 23 22 8 14 18 3 20 26 12	50 35 24 32 21 50 20 22 32 44 74 18 25 17 9 43 55 31	289 275 B 228 262 214 305 246 268 244 256 331 237 256 252 190 319 346 295	447 433  455 412 525 412 445 436 442 579 389 418 - 364 507 521 478	403 402 458 B 386 343 485 424 397 385 399 501 361 396 B 375 334 464 492 428	217 240 275 251 190 330 - 225 221 225 340 233 166 189 146 301 328 253	24 28 46 38 27 67 36 30 33 28 75 45 18 30 22 54 60 33	0 6 3 2 4 6 0 1 2 5 18 8 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1451 1435 	1131 1111 1158 1316 1155 1193 1218 1383 1127 854
WESTERN PIEDMONT 03 APPOMATTOX BEDFORD BROOKNEAL CHARLOTTESVILLE 2W CHATHAM DANVILLE DANVILLE REGIONAL AP R LYNCHBURG NO 2 LYNCHBURG INTL AP R MARTINSVILLE FLTR PLT MONTICELLO PHILPOTT DAM 2	0 0 0 0 0 0 1 1 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	10 12 0 16 0 13 8 2 4 0 14 10	17 19 - 48 18 51 38 13 18 11 27	B 240 204 - 286 179 273 269 189 210 193 258 246	380 374 - 422 356 490 431 353 367 372 391	371 348 - 401 336 448 425 330 358 B 329 353 379	223 174 - 231 140 284 268 140 188 127 184 191	36 24 - 31 22 55 55 55 20 28 22 27 37	0 0 1 1 3 0 0 0 0	0 0 - 0 0 0 0 0 0 0	1155 - 1436 1051 1615 1498 1047 1173 B1054 1254	1052 1021 1015 1212 971 1418 1075 921 991

### MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE = 65 DEGREES FAHENHEIT

ROCKY MOUNT SOUTH BOSTON STUART	B 0							AUG	SEP	OCT	NOV	DEC	TOTAL	NORM
	^	0	0	В 3	14	163	367	323	B 137	14	1	В 0	B1022	984
STUART	0	0	0	4	20	230	435	400	240	39	1	0	1369	1159
Letter by the 4 de	0	0	0	10	30	214	383	363	187	40	3	0	1230	967
TYE RIVER 1 SE	0	0	0	15	22	253	402	375	197	29	0	0	1293	976
NORTHERN 04	0	0	0	3	9	B 224	265	319	140	17	0	0	D1077	
BOSTON 4 SE EDINBURG	0	0	0	0	10	199	365 309	279	99	17 11	0	0	B1077 907	
FRONT ROYAL	0	0	0	14	10	233	356	326	157	22	0	0	1119	
LINCOLN	-	в 0	0	14	12	233	B 363	324	136	21	0	0	1119	911
MADISON		ъ .	во	B 18	B 28	B 296	B 437	389	B 193	-	-	-	_	/11
MANASSAS	В 0	_	_	<b>D</b> 10	D 20	D 250	D 137	-	212	31	0	0	_	
MOUNT WEATHER	BÖ	В 0	0	B 10	В 0	B 154	B 308	_	162	23	2	ŏ	_	625
PIEDMONT RESEARCH STN	0	- ŏ	ő	18	24	275	430	396	214	26	0	Õ	1383	1042
SOMERSET	0	0	0	8	25	244	403	B 368	177	B 25	0	0	B1250	
SPERRYVILLE	0	0	0	14	-	214	-	315	142	-	0	0	-	
STAR TANNERY	0	0	0	6	17	191	320	306	124	В 7	0	0	B 971	
STERLING RCS	0	0	0	4	8	222	358	B 311	149	B 25	0	0	B1077	824
THE PLAINS 2 NNE	-	0	0	11	13	216	361	337	165	23	0	0		
VIENNA	0	0	0	B 11	B 9	214	349	312	149	19	0	0	B1063	
WARRENTON 3 SE	-	-	-	B 13	14	223	B 352	332	-	19	0	0	-	956
WASHINGTON DULLES INTL R	0	0	0	11	17	273	409	401	226	35	0	0	1372	1075
WASHINGTON REAGAN NTL R	0	0	0	16	32	331	490	474	315	46	1	0	1705	1531
WINCHESTER 7 SE	0	0	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	13	20 11	264	385 341	352 320	176	17	0	0	1227	907
WINCHESTER 7 SE WOODSTOCK 2 NE	0	0	0	4 1	11	217 224	341	320 326	128 148	12 19	0	0	1033	855 848
CENTRAL MOUNTAIN 05	-	U	U	1	10	224	347	320	146	19	U	U	-	040
BUENA VISTA	0	0	0	7	_	_	_	_	_	_	_	_	_	
COVINGTON FILTER PLANT	0	ő	ő	ó	13	200	350	327	137	27	0	0	1054	846
DALE ENTERPRISE	ŏ	ŏ	ŏ	3	8	191	302	288	102	11	ő	ő	905	758
GATHRIGHT DAM	ŏ	ŏ	ŏ	1	11	153	271	256	69	9	ŏ	ŏ	770	679
HOT SPRINGS	o l	Õ	o l	0	6	124	217	194	38	5	0	Ö	584	579
LEXINGTON	0	0	0	2	14	216	385	353	149	20	0	0	1139	881
MILLGAP 2 NNW	0	0	B 0	0	0	85	168	138	13	0	0	0	B 404	
MUSTOE 1 SW	0	0	0	0	1	78	164	140	9	1	0	0	393	
ROANOKE 8 N	0	0	0	4	23	205	374	368	177	32	0	0	1183	
ROANOKE INTL AP R	0	0	0	11	37	247	403	399	201	44	0	0	1342	1134
STAUNTON SEWAGE PLANT	-	-	0	6	17	195	307	292	-	-	0	0	-	622
WAYNESBORO SEWAGE	0	0	0	0	-	187	314	294	97	13	0	0	-	
SOUTHWESTERN														
MOUNTAIN 06 ABINGDON 3 S	0	0	0	2	19	189	305	323	139	_	В 0	0		736
BIG STONE GAP	0	0	0	3	27	225	342	346	194	34	В 0	0	1171	937
BLACKSBURG NWSO R	0	0	0	0	6	128	258	254	57	4	0	0	707	533
BLAND	0	0	0	0	3	108	271	218	35	6	1	0	642	400
BREAKS INTERSTATE PARK	0	ő	ő	1	13	157	283	301	141	17	0	ő	913	100
BURKES GARDEN	ŏ	ŏ	ŏ	в 0	0	60	163	147	13	1	ő	ő	В 384	225
CHRISTIANSBURG	ő	ŏ	ŏ	- ĭ	14	151	294	280	118	12	ő	ő	870	
CLINTWOOD 1 W	Ö	Ö	Ö	0	9	108	237	229	68	3	Ö	Ö	654	
FLOYD 2 NE	B 0	B 0	0	0	3	55	-	-	17	1	0	0	-	369
GALAX RADIO WBRF	0	0	0	0	8	96	247	227	53	2	0	0	633	410
GRUNDY	0	0	0	0	17	170	289	296	138	24	0	0	934	1035
JOHN W FLANNAGAN LAKE		0		B 1	-		B 316	B 326	_	-				
LEBANON	0	0	0	0	9	163	283	283	96	9	0	0	843	631
NORTH FORK LAKE	-	-	-	-	-	-	-	-	-	-	-	-	-	

### MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE = 65 DEGREES FAHENHEIT

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TOTAL	SEASONAL NORM
STATION  PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 3 ENE WISE 3E WYTHEVILLE 1 S	JAN  0 0 0 8 0 0 0 0 0 0 0 0 0 0	FEB  0 0 0 - 0 B 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	APR  2 0 0 - 1 1 0	MAY  15 11 5 - 8 19 8	JUN  203 116 142 - 124 140 97	JUL  330 258 258 258 271 241 251	AUG  334 248 266 327 247 234 246	SEP  148 64 77 117 72 110 49	OCT  18 6 9 13 7 11 8	NOV 0 0 1 0 1 0 0 0	DEC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL  1050 703 758 731 8 756 659	SEASONAL NORM  828 574 622 734 564 605 503

### TOTAL EVAPORATION AND WIND MOVEMENT

TIRGINIA TIDEWATER   01	STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MAX TEMP   -   -   -   -   -   -   -   -   -	TIDEWATER 01 HOLLAND 1 E  EASTERN PIEDMONT 02	EVAP MAX TEMP MIN TEMP WIND	-	-	- - -	- - -	- - - B 959	B 6.62 92.5 68.3	B 7.33 97.4 73.7	B 6.27 96.2 73.2	B 5.70 90.2 66.3	1028		- - -	- - M - M -
PIEDMONT RESEARCH STN WIND 1799 1451 1288 1208 884 B 1168 1083 EVAP 5.87 6.05 B 7.81 7.69 6.49 B 6.59 B 3.28 MAX TEMP 67.2 73.1 86.7 89.7 88.9 83.4 65.9 M	PHILPOTT DAM 2	MAX TEMP MIN TEMP WIND EVAP MAX TEMP	-	-	- - - -	- - 788 - -	530 5.08	418 7.94	-	190 10.25	338 8.46	394 1.54	- - - -	- - - -	-
		EVAP MAX TEMP	-	-	-	5.87 67.2	6.05 73.1	B 7.81 86.7	7.69 89.7	6.49 88.9	B 6.59 B 83.4	3.28 65.9	- M -	-	- - M - M -

								EARS OF ECORD		OPENE OR CLC DURING	SED	
STATION	INDEX NO.	DIVISION NO	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	SEE REFERENCE NOTES
VIRGINIA												
ABINGDON 3 S	0021	06	WASHINGTON	36 40	81 58W	1920	38	38	0			Н
ALBERTA 5N	0079	02	BRUNSWICK	36 56	77 54W	376	0	2	0			Н
ALTAVISTA	0166	03	CAMPBELL	37 4	79 10W	515	0	56	0			СН
AMELIA 8 NE	0188	02	AMELIA	37 26	77 53W	90	3	3	0			Н
APPOMATTOX	0243	03	APPOMATTOX	37 21	78 50W	910	45	68	0			H
ASHLAND	0327	02	HANOVER	37 45	77 29W	220	94	94	0			H
BACK BAY WILDLIFE RFG	0385	01	VIRGINIA BEA	36 40	75 55W	10	54	54	0			H
BEDFORD	0551	03	BEDFORD	37 21	79 31W	975	78	92	0	1		H
BEDFORD 4 NW	0561	03	BEDFORD	37 23	79 31 W 79 34W	1220	0	3	0			СН
BIG STONE GAP	0735	06	WISE	36 52	82 46W	1464	17	17	0			Н
BLACKSBURG NWSO R	0766	06	MONTGOMERY	37 12	80 25W	2100	54	54	0			СН
BLAND	0792	06	BLAND	37 6	81 7W	2000	16	56	0			Н
BOSTON 4 SE	0860	04	CULPEPER	38 33	78 6W	590	8	8	0			H
BREAKS INTERSTATE PARK	0982	06	DICKENSON	37 17	82 18W	1893	7	7	0			H
BREMO BLUFF	0982	02	FLUVANNA	37 43	78 17W	225	21	66	0			СН
BROOKNEAL	1082	03	CAMPBELL	37 43	78 57W	428	21	47	0			Н
BROWNSBURG 2 W	1082	05	ROCKBRIDGE	37 56	78 37 W 79 21 W	1250	0	2	0			H H
	1121	05	BOTETOURT	37 30	79 21 W 79 41 W	865	84	102	0			H H
BUCHANAN												
BUCKINGHAM BUENA VICTA	1136	02 05	BUCKINGHAM	37 33	78 31W	552	0 7	71 68	0			Н Н
BUENA VISTA	1159	06	ROCKBRIDGE	37 44	79 22W	830	l '					
BURKES GARDEN	1209		TAZEWELL	37 6	81 20W	3300	109	111	0			Н
BYLLESBY 1 S	1259	06	CARROLL	36 46	80 56W	2615	0	41	0			Н
CAMP PICKETT	1322	02	NOTTOWAY	37 2	77 57W	330	35	35	0			СН
CHARLOTTE COURT HOUSE	1585	03	CHARLOTTE	37 2	78 23W	590	59	59	0			Н
CHARLOTTESVILLE 2W	1593	03	ALBEMARLE	38 2	78 31W	870	103	130	0			Н
CHASE CITY	1606	02	MECKLENBURG	36 48	78 28W	510	59	59	0			Н
CHATHAM	1614	03	PITTSYLVANIA	36 49	79 25W	640	83	83	0			СН
CHRISTIANSBURG	1692	06	MONTGOMERY	37 8	80 24W	2100	11	11	0			H
CLARKSVILLE	1746	02	MECKLENBURG	36 37	78 33W	330	1	115	0			H
CLINTWOOD 1 W	1825	06	DICKENSON	37 9	82 29W	1780	13	13	0			H
CONCORD 4 SSW	1955	03	CAMPBELL	37 17	78 58W	635	0	57	0	1		H
COPPER HILL	1999	06	FLOYD	37 5	80 9W	2690	0	65	0			H
CORBIN	2009	02	CAROLINE	38 12	77 22W	220	48	48	0			Н
COVINGTON FILTER PLANT	2044	05	ALLEGHANY	37 49	79 59W	1230	46	46	0	1		СН
CRAIGSVILLE 2 S	2064	05	AUGUSTA	38 4	79 24W	1780	0	44	0			Н
CROZIER	2142	02	GOOCHLAND	37 40	77 53W	350	31	68	0			Н
DALE ENTERPRISE	2208	05	ROCKINGHAM	38 27	78 56W	1400	124	126	0			СН
DANVILLE	2245	03	PITTSYLVANIA	36 35	79 23W	410	89	116	0	1		Н
DANVILLE REGIONAL AP R	2250	03	PITTSYLVANIA	36 34	79 20W	571	2	2	0	1		СН
EAGLE ROCK	2581	05	BOTETOURT	37 38	79 48W	930	1	1	0			Н
EARLEHURST	2600	05	ALLEGHANY	37 40	80 15W	2037	0	31	0	1		Н
EASTVILLE	2635	01	NORTHAMPTON	37 23	75 58W	10	5	5	0	1		Н
EDINBURG	2663	04	SHENANDOAH	38 49	78 34W	840	10	10	0	1		Н

		o.						EARS OF ECORD	I	OPENE OR CLC DURING	SED	g.p.
STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	SEE REFERENCE NOTES
EMPORIA 1 WNW	2790	01	GREENSVILLE	36 42	77 34W	100	24	76	0			Н
FARMVILLE 2 N	2941	02	CUMBERLAND	37 20	78 23W	450	85	87	0			Н
FINCASTLE 7 NE	3006	05	BOTETOURT	37 33	79 48W	1305	0	3	0			Н
FLOYD 2 NE	3071	06	FLOYD	36 56	80 17W	2625	74	74	0			Н
FREDERICKSBURG SEWAGE	3204	01	FREDERICKSBU	38 17	77 27W	15	12	12	0			Н
FREE UNION	3213	03	ALBEMARLE	38 6	78 35W	570	0	52	0			H
FRONT ROYAL	3229	04	WARREN	38 54	78 11W	930	11	11	0			H
GALAX RADIO WBRF	3267	06	CARROLL	36 40	80 55W	2385	52	63	0			Н
GATHRIGHT DAM	3310	05	ALLEGHANY	37 57	79 57W	1770	28	28	28			СН
GLASGOW 1 SE	3375	05	ROCKBRIDGE	37 37	79 26W	740	0	40	0			Н
GLEN LYN	3397	06	GILES	37 22	80 52W	1520	48	93	0			Н
GOSHEN	3470	05	ROCKBRIDGE	37 59	79 30W	1350	0	67	0			Н
GREENBAY 3 NE	3565	02	PRINCE EDWAR	37 11	78 17W	500	2	2	0			Н
GRUNDY	3640	06	BUCHANAN	37 17	82 5W	1170	46	56	0			Н
IAMPTON UNIVERSITY	3713	01	HAMPTON	37 1	76 20W	10	4	4	0			Н
HILLSVILLE	3991	06	CARROLL	36 48	80 47W	2585	0	64	0			Н
HOLCOMB ROCK	4039	03	BEDFORD	37 33	79 24W	620	7	36	0			Н
HOLLAND 1 E	4044	01	SUFFOLK	36 41	76 46W	80	74	74	18			Н
HOLLIDAY LAKE	4046	03	APPOMATTOX	37 24	78 38W	480	0	3	0			Н
HOPEWELL	4101	01	PRINCE GEORG	37 18	77 17W	40	114	119	0			Н
HOT SPRINGS	4128	05	BATH	38 0	79 50W	2236	109	111	0			СН
HUDDLESTON 4 SW	4148	03	BEDFORD	37 8	79 32W	1045	0	57	0			Н
HURLEY 4 S	4180	06	BUCHANAN	37 22	82 3W	1088	0	7	0			СН
OHN W FLANNAGAN LAKE	4410	06	DICKENSON	37 14	82 21W	1460	7	38	0			Н
OHN H KERR DAM	4414	02	MECKLENBURG	36 36	78 18W	250	58	58	55			СН
KERRS CREEK 6 WNW	4565	05	ROCKBRIDGE	37 52	79 34W	1500	0	45	0			Н
KEYSVILLE 2 S	4568	02	CHARLOTTE	37 1	78 28W	530	0	28	0			Н
LAFAYETTE 1 NE	4676	06	MONTGOMERY	37 14	80 12W	1320	0	56	0			Н
LANGLEY AIR FORCE BASE	4720	01	HAMPTON	37 5	76 21W	10	121	170	0			Н
LAWRENCEVILLE 3 E	4768	02	BRUNSWICK	36 46	77 48W	325	61	61	0			Н
LEBANON	4777	06	RUSSELL	36 54	82 2W	1912	18	18	0			Н
LEXINGTON	4876	05	ROCKBRIDGE	37 48	79 25W	1125	128	135	0			Н
LINCOLN	4909	04	LOUDOUN	39 5	77 42W	500	105	106	0			Н
OUISA	5050	02	LOUISA	38 3	78 OW	420	91	91	0			Н
LURAY 5 E	5096	04	PAGE	38 40	78 22W	1400	63	65	0			Н
LYNCHBURG NO 2	5117	03	CAMPBELL	37 23	79 14W	740	8	8	0			Н
LYNCHBURG INTL AP R	5120	03	CAMPBELL	37 19	79 12W	940	135	135	0			СНЈ
MADISON	5150	04	MADISON	38 23	78 15W	580	7	7	0			Н
MANASSAS	5204	04	MANASSAS	38 44	77 30W	245	2	2	0			Н
MARTINSVILLE FLTR PLT	5300	03	HENRY	36 42	79 52W	760	67	75	0			Н
MEADOWS OF DAN 5 SW	5453	03	PATRICK	36 40	80 27W	2225	0	57	0			Н
MILLGAP 2 NNW	5595	05	HIGHLAND	38 21	79 44W	2520	8	31	0			СН
MONTICELLO	5700	03	ALBEMARLE	38 1	78 27W	758	25	25	0			Н
MOUNTAIN GROVE	5756	05	BATH	38 6	79 53W	1775	0	25	0			Н

		o.						EARS OF ECORD	I	OPENE OR CLC	SED	955
STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	SEE REFERENCE NOTES
MONTPELIER	5833	02	HANOVER	37 52	77 38W	250	2	2	0			Н
MOUNT WEATHER	5851	04	LOUDOUN	39 4	77 53W	1720	102	103	0			Н
MUSTOE 1 SW	5880	05	HIGHLAND	38 20	79 40W	2380	12	12	0			СН
NEWPORT 2 NNW	6046	06	GILES	37 18	80 30W	2060	0	61	0		MAR	Н
NORFOLK INTL AP R	6139	01	NORFOLK	36 54	76 12W	30	61	61	0			СНЈ
NORFOLK SOUTH	6147	01	NORFOLK	36 52	76 14W	100	3	3	0			Н
NORTH	6161	01	MATHEWS	37 26	76 26W	10	4	4	0			Н
NORTH FORK LAKE	6173	06	WISE	37 7	82 38W	1675	8	38	0			Н
PAINTER 2W	6475	01	ACCOMACK	37 35	75 49W	30	51	51	0			СН
PALMYRA 3S	6491	02	FLUVANNA	37 49	78 16W	410	12	50	0			Н
PEDLAR DAM	6593	03	AMHERST	37 40	79 17W	1010	0	68	0			Н
PENNINGTON GAP	6626	06	LEE	36 44	83 OW	1470	72	72	0			Н
PETERSBURG	6656	02	PETERSBURG	37 14	77 24W	15	3	11	0			Н
PHILPOTT DAM 2	6692	03	HENRY	36 47	80 2W	1123	54	54	54			СН
PIEDMONT RESEARCH STN	6712	04	ORANGE	38 14	78 7W	520	59	60	34			Н
POWHATAN	6906	02	POWHATAN	37 31	77 53W	400	0	47	0			Н
PULASKI	6955	06	PULASKI	37 3	80 47W	1850	46	46	0			СН
RICHLANDS	7174	06	TAZEWELL	37 6	81 48W	1910	18	18	0			Н
RICHMOND INTL AP R	7201	02	HENRICO	37 30	77 19W	164	69	69	0			СНЈ
ROANOKE 8 N	7278	05	ROANOKE	37 22	79 58W	1190	8	8	0			Н
ROANOKE INTL AP R	7285	05	ROANOKE	37 19	79 58W	1175	72	74	0			СНЈ
ROCKY MOUNT	7338	03	FRANKLIN	36 59	79 54W	1315	113	113	0			СН
SALTVILLE 1 N	7506	06	SMYTH	36 53	81 46W	1733	73	75	0			Н
SANDSTON	7541	02	HENRICO	37 33	77 17W	165	4	4	0			Н
SOMERSET	7904	04	ORANGE	38 15	78 16W	510	11	39	0			Н
SOUTH BOSTON	7925	03	HALIFAX	36 42	78 53W	340	51	51	0			Н
SPERRYVILLE	7985	04	RAPPAHANNOCK	38 39	78 14W	750	11	11	0			Н
STAFFORDSVILLE 3 ENE	8022	06	GILES	37 16	80 43W	1950	37	55	0			СН
STAR TANNERY	8046	04	FREDERICK	39 5	78 27W	950	12	12	0			СН
STAUNTON SEWAGE PLANT	8062	05	AUGUSTA	38 11	79 5W	1640	114	120	0			СН
STERLING RCS	8084	04	LOUDOUN	38 59	77 29W	280	30	30	0			Н
STONY CREEK 2 N	8129	01	SUSSEX	36 58	77 24W	105	47	47	0			Н
STUART	8170	03	PATRICK	36 38	80 15W	1375	47	47	0			Н
SUFFOLK LAKE KILBY	8192	01	SUFFOLK	36 44	76 36W	22	60	60	0			Н
THE PLAINS 2 NNE	8396	04	FAUQUIER	38 54	77 45W	530	1	61	0			Н
TROUT DALE 3 SSE	8547	06	GRAYSON	36 40	81 24W	2820	0	71	0			СН
ΓYE RIVER 1 SE	8600	03	NELSON	37 38	78 56W	720	44	68	0			Н
VIENNA	8737	04	FAIRFAX	38 54	77 16W	418	11	58	0			Н
WAKEFIELD 1NW	8800	01	SUSSEX	36 59	77 OW	200	32	32	0			СН
WALKERTON 2 NW	8829	01	KING AND QUE	37 45	77 2W	50	73	74	0			Н
WALLACETON LK DRUMMOND	8837	01	CHESAPEAKE	36 36	76 26W	20	2	80	0			Н
WARRENTON 3 SE	8888	04	FAUQUIER	38 41	77 46W	500	54	54	0			Н
WARSAW 2 NW	8894	01	RICHMOND	37 59	76 47W	140	56	56	0			Н
WASHINGTON DULLES INTL R	8903	04	LOUDOUN	38 56	77 29W	290	45	45	0			СНЈ

		O.						EARS OF ECORD		OPENE OR CLO DURING	OSED	SEE
STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	REFERENCE NOTES
WASHINGTON REAGAN NTL R WAYNESBORO SEWAGE WEST POINT 2 NW WILLIAMSBURG 2 N WILLIS WINCHESTER WINCHESTER 7 SE WINTERPOCK 4 W WISE 3E WOODSTOCK 2 NE WOOLWINE 4 S WYTHEVILLE 1 S	8906 8941 9025 9151 9169 9181 9186 9213 9272 9301	04 05 01 01 06 04 02 06 04 03 06	ARLINGTON WAYNESBORO KING WILLIAM YORK FLOYD FREDERICK FREDERICK CHESTERFIELD WISE SHENANDOAH PATRICK WYTHE	38 51 38 5 37 34 37 18 36 55 39 11 37 19 37 0 38 54 36 47 36 56	77 2W 78 53W 76 48W 76 42W 80 30W 78 9W 78 7W 77 39W 82 32W 78 29W 80 16W 81 6W	10 1280 20 70 2810 720 680 300 2549 680 1520 2450	66 6 53 56 0 25 101 0 52 108 0 103	66 6 53 61 27 25 100 28 52 114 56 133	0 0 0 0 0 0 0 0 0 0 0			С НИ Н С Н Н С Н С Н С Н

#### REFERENCE NOTES

#### **DEFINITIONS**

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

DIVISIONS: Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record both temperature and precipitation (i.e. not precipitation alone).

NORMALS: The average value of the meteorological element over a time period. Effective 1 January 2002, the averaging period is 1971 to 2000. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

TEMPERATURE EXTREMES AND FREEZE DATA: Spring minimum dates are obtained from data for January through June; Fall dates are from July through December data. "NONE" indicates temperature threshold not reached. "MSG" indicates available data insufficient to determine date.

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is below (above) 65 degrees Fahrenheit.

SOIL TEMPERATURE EXTREMES: The highest and lowest Max and Min temperature for each month and the year.

WIND: (As shown in the "Evaporation and Wind" table) the total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

#### SYMBOLS AND LETTERS USED IN THE DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication.
- \* Rain gage not read. Precipitation is included in the amount following asterisks. Time distribution not known.
- // Rain gage equipped with a windshield.
- A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to monthly bulletins to determine date of last reading. (Hawaii stations)
- B Estimated total value for wind, evaporation, or cooling degree days.
- M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing.
- R Amounts from recording rain gage.
- T Trace. An amount too small to measure.
- V Includes total for previous month(s). (See \* above)
- Z Same as M but the Z has overprinted a negative sign or leading digit (e.g., Z14.6 = M-14.6, Z08.2 = M108.2)

#### SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in rooftop shelter.
- C Station is equipped with a recording rain gage (R), but values in this bulletin are from a non-recording rain gage unless indicated by an R.
- G Observations appear in "Soil Temperatures" table.
- H Observations appear in "Snowfall and Snow on the Ground" table in monthly "Climatological Data" publication.
- J Station also published as a "Local Climatological Data" bulletin.

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of "Climatological Data".

Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary".

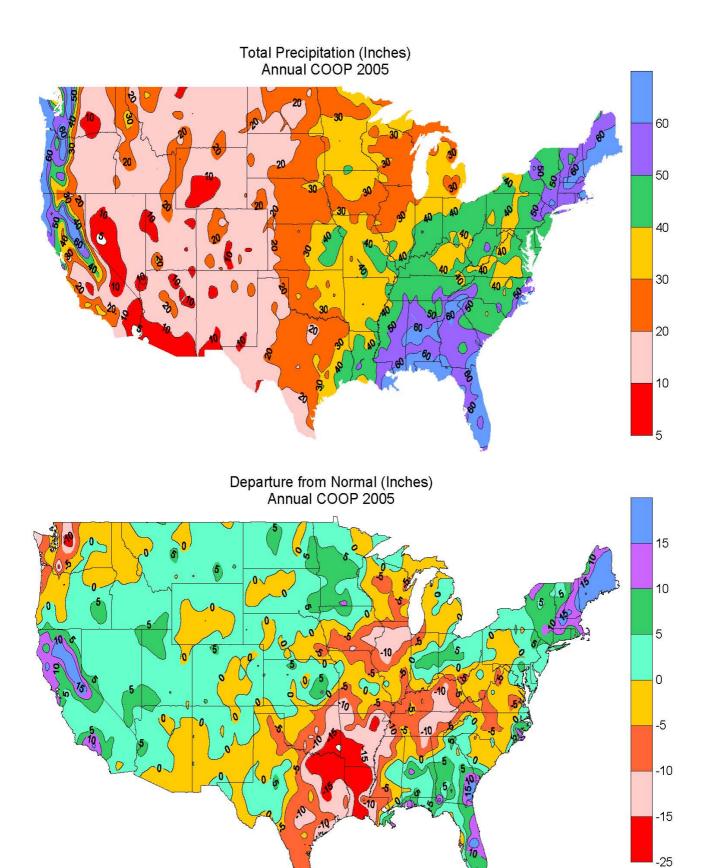
Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

Additional information regarding the climate of this state may be obtained by writing to the address below or to any weather service office near you. The contents of this publication may be reprinted or otherwise used freely with proper credit to the National Climatic Data Center. The data are also available in digital form on magnetic tape and diskette.

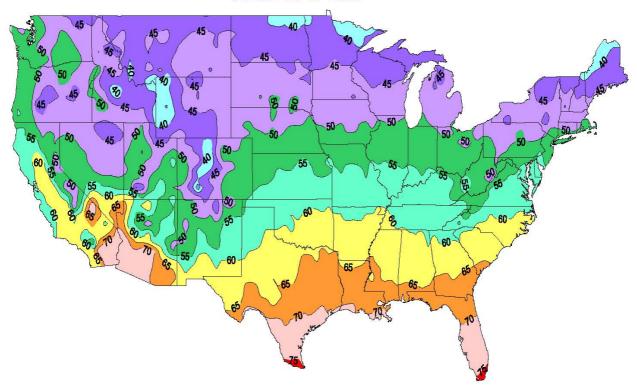
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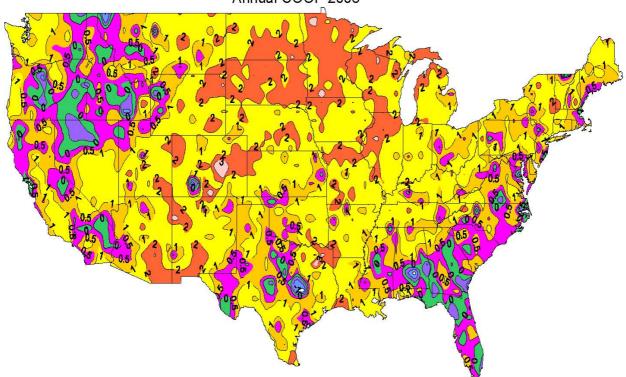


\*NOTE\* Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

### Average Temperature (Degrees F) Annual COOP 2005



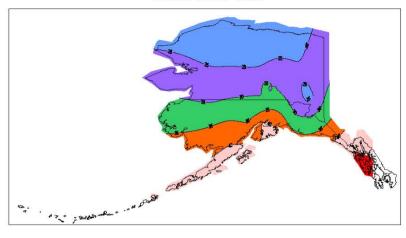
Departure of Average Temperature from Normal (Degrees F) Annual COOP 2005



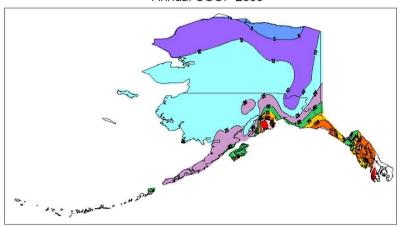
\*NOTE\* Contour maps are computer-generated and intended to show general temperature and precipitation patterns.

Therefore, contours may not always account for individual datum points.

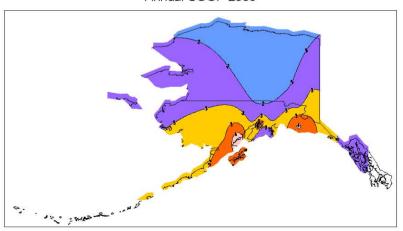
Average Temperature (Degrees F) Annual COOP 2005



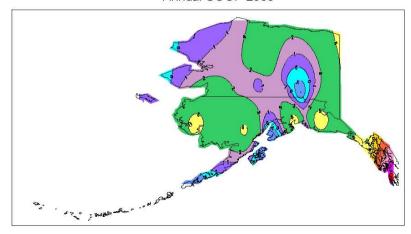
Alaska Precipitation (Inches) Annual COOP 2005



Departure of Average Temperature from Normal (Degrees F) Annual COOP 2005

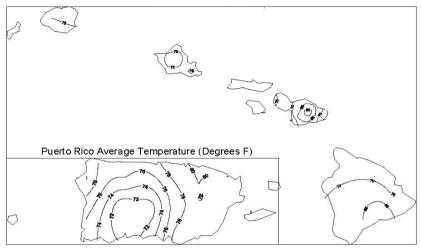


Departure from Normal Precipitation Annual COOP 2005

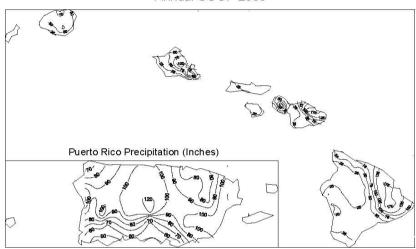


National Climatic Data Center, NOAA

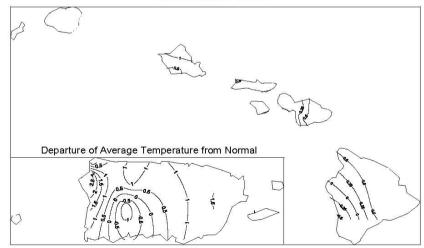
#### Hawaii Average Temperature (Degrees) Annual COOP 2005



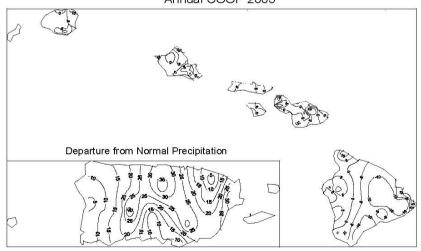
#### Hawaii Precipitation (Inches) Annual COOP 2005



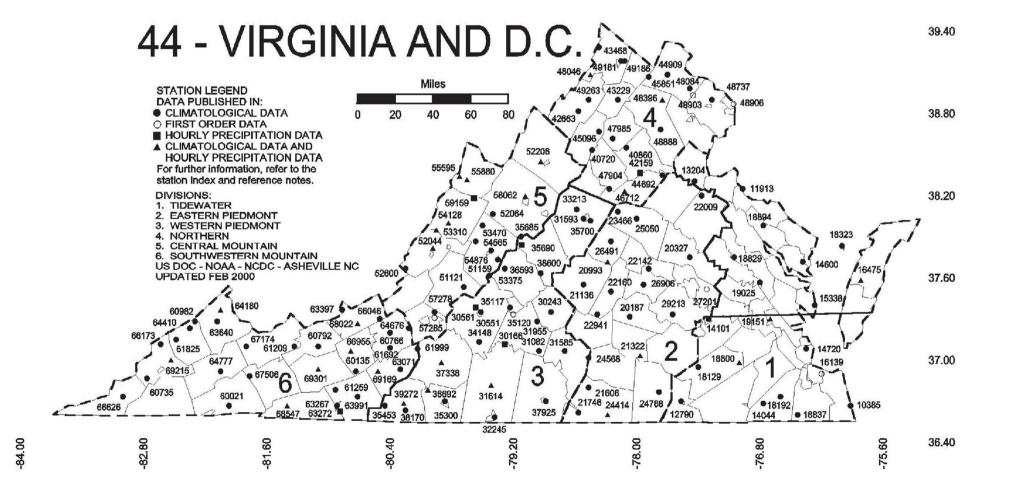
Departure of Average Temperature from Normal (Degrees) Annual COOP 2005



Hawaii Departure from Normal Precipitation Annual COOP 2005



National Climatic Data Center, NOAA



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