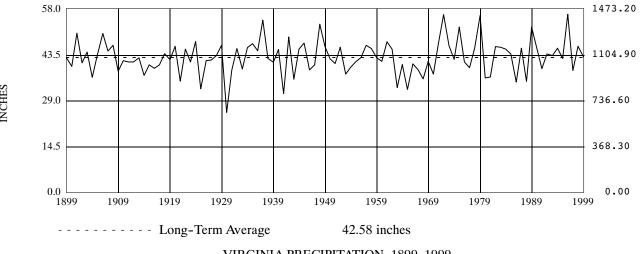
CLIMATOLOGICAL DATA ANNUAL SUMMARY

VIRGINIA

1999

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VIRGINIA PRECIPITATION, 1899-1999

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DIRECTOR

Thoma R Kail

NATIONAL CLIMATIC DATA CENTER

noaa

National Oceanic and Atmospheric Administration

National Environmental Satellite, Data and Information Service

National Climatic Data Center Asheville, North Carolina MILLIMETERS

CTATION	J	AN	F	EB	M	AR	A	PR	M	AY	JI	UN
STATION	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
TIDEWATER 01												
BACK BAY WILDLIFE REFU	2.98	-1.08	1.90	-1.67	3.23	53	3.22	.41	2.72	-1.25	3.14	52
COLONIAL BEACH	2.51	60	2.35	58	4.54	1.08	1.69	-1.26	м .66		1.38	-2.12
EMPORIA 1 WNW	6.00	2.42	1.51	-1.88	4.09	.55	3.60	.52	1.58	-2.43	1.04	-2.40
FREDERICKSBURG SEWAGE	4.81	2 00	2.34	7.0	5.24	0.1	1.74		.52	2.07	1.90	1 67
HOLLAND 1 E	7.07	2.98 1.69	2.77	79 -1.81	3.15 5.12	91	4.12	.90	1.04	-3.07	2.72 3.00	-1.67 18
HOPEWELL	5.44		1.54			1.41	4.58	1.45	1.47	-2.45		18 05
LANGLEY AIR FORCE BASE MATHEWS 6 SE	5.40 5.48	1.68 1.83	2.46 2.00	-1.22 -1.54	4.17 M	.01	3.13 3.48	.10	2.20 1.23	-1.79 -2.70	4.06 2.23	-1.34
NORFOLK WSO AIRPORT R	3.51	27	2.33	-1.14	3.29	41	3.46	.60	3.85	.04	3.60	22
PAINTER 2 W	4.23	.48	1.90	-1.50	6.87	2.71	2.84	08	1.01	-2.47	4.13	.79
SUFFOLK LAKE KILBY	5.54	1.69	3.27	45	3.01	-1.05	3.23	.21	2.35	-1.43	3.20	-1.05
TANGIER ISLAND	5.64	2.74	2.70	23	M 3.24		2.58	.18	M 1.25		2.41	40
WAKEFIELD 1 NW	6.10		2.22		3.53		3.87		1.77		1.80	
WALKERTON 2 NW	4.21	.77	1.69	-1.56	4.83	1.15	2.04	92	1.71	-2.37	1.19	-2.79
WALLACETON LK DRUMMOND	4.37	.05	2.17	-2.06	3.83	31	3.82	.38	2.80	-1.55	2.26	-1.68
WARSAW 2 NW	4.31	1.12	2.24	52	4.43	.93	1.39	-1.46	.55	-4.00	3.64	03
WEST POINT 2 NW	6.28	2.67	1.99	-1.27	4.51	.53	3.24	.29	1.10	-2.66	4.64	.92
WILLIAMSBURG 2 N	5.99	2.16	2.30	-1.24	4.66	.48	4.05	1.04	1.04	-3.48	2.95	-1.08
DIVISIONAL DATA>	5.03	1.41	2.21	-1.15	4.31	.42	3.09	.10	1.61	-2.28	2.77	96
EASTERN PIEDMONT 02	4 22		1 50		2 50		1 00		2 21		1 00	
AMELIA 4 SW	4.32	62	1.56	0.7	3.52	26	1.89		2.81	2.50	1.20	2 00
ASHLAND DEMO DI HEE	3.99	.63	2.24	87	3.42	36	2.03	94	1.39	-2.58	.73	-2.80 -1.30
BREMO BLUFF	4.18 5.40	1.27 2.37	2.34 2.23	75	3.16 3.14	60	1.63 2.29	-1.28	4.51 5.13	.74	2.09 1.30	-1.99
BUCKINGHAM CAMP PICKETT	4.75	2.37	1.22	89	3.65	44	4.98	73	2.47	.89	3.17	-1.99
CHASE CITY	6.36	2.80	1.67	-1.53	3.50	17	6.06	2.81	2.07	-1.95	3.07	59
CLARKSVILLE	1.21	-2.31	1.85	-1.43	1.40	-2.26	5.14	2.11	1.42	-2.54	1.45	-2.14
CORBIN	5.02	1.80	M 2.31	-1.45	5.07	1.39	1.17	-1.96	.52	-3.42	1.80	-1.97
CROZIER	5.12	1.78	M 1.71		M 4.04	1.33	1.69	-1.31	2.57	-1.51	.66	-2.90
FARMVILLE 2 N	5.29	1.82	1.97	-1.33	3.80	.02	2.32	71	3.64	41	1.12	-2.29
GORDONSVILLE 3 S	5.28	2.14	2.12	82	M 4.80		1.72	-1.28	1.65	-2.36	M 1.34	
JOHN H KERR DAM	5.41	1.93	1.75	-1.50	2.71	-1.11	4.30	1.21	1.26	-2.69	1.11	-2.40
KEYSVILLE 2 S	5.38		1.72		3.30		4.77		1.45		1.15	
LAWRENCEVILLE 3 E	4.52	.95	1.86	-1.85	3.51	43	4.56	1.55	2.05	-1.77	1.97	-2.05
LOUISA	4.45	1.44	2.49	62	3.68	.07	1.68	-1.30	1.06	-2.83	.76	-3.01
PALMYRA 1 E	5.03	2.38	2.08	77	3.55	.28	1.24	-1.67	2.75	-1.09	1.11	-2.27
POWHATAN	4.91	1.55	1.68	-1.56	3.59	.05	1.65	-1.29	2.72	-1.08	1.77	-1.64
RICHMOND WSO AIRPORT R	4.70	1.46	1.47	-1.69	4.04	.43	2.60	36	2.75	-1.09	6.29	2.67
WINTERPOCK 4 W	5.07	1.50	1.25	1 26	3.95	1.	2.96	27	2.85	1 72	3.00	1 70
DIVISIONAL DATA> WESTERN PIEDMONT 03	4.89	1.53	1.90	-1.36	3.63	11	2.71	37	2.25	-1.73	1.93	-1.70
APPOMATTOX	4.59	1.64	1.93	-1.14	2.18	-1.62	2.06	-1.26	2.96	-1.20	.70	-2.57
BEDFORD	4.26	1.35	2.62	59	2.10	78	2.80	63	2.13	-2.17	.89	-2.67
BROOKNEAL	5.73	2.13	2.25	-1.04	2.94	90	4.10	.71	1.24	-2.71	.78	-2.51
CHARLOTTE COURT HOUSE	5.72	2.32	2.09	-1.18	2.81	89	4.69	1.54	1.38	-2.47	.54	-3.14
CHARLOTTESVILLE 2 W	5.46	2.31	2.29	-1.03	4.46	.71	1.42	-1.92	3.43	-1.45	.79	-2.95
СНАТНАМ	3.92	.62	2.21	-1.18	3.05	94	3.17	30	1.50	-2.68	1.46	-2.00
CONCORD 4 SSW	6.63	3.37	2.13	-1.17	3.27	48	2.47	76	1.52	-2.36	.83	-2.43
DANVILLE	6.06	2.63	1.83	-1.59	2.70	-1.19	5.49	2.25	1.13	-2.72	2.10	-1.55
FREE UNION	6.07	3.32	2.13	89	M 3.58		1.38	-2.02	M 2.96		M .86	
HUDDLESTON 4 SW	4.46	1.31	2.55	67	2.63	-1.09	2.52	89	1.85	-2.06	.74	-2.41
LYNCHBURG NO 2	4.11		2.44		2.71		2.63		1.35		1.07	
LYNCHBURG WSO AIRPORT R	4.53	1.67	2.64	40	2.71	76	2.35	74	.94	-2.97	1.56	-1.89
MARTINSVILLE FILTER PL	M 2.91		2.43	-1.14	2.49	-1.59	3.01	59	1.91	-2.30	1.81	-2.00
MEADOWS OF DAN 5 SW	5.42	1.67	3.06	76	4.30	49	3.81	70	4.87	10	3.54	-1.12
MONTEBELLO 3 NE	W 6 65		1 50		2 27		1 21		2 52		7.3	
MONTICELLO DEDIAR DAM	M 6.65		1.56		3.27		1.31 1.85		2.53 3.19		.73	
PEDLAR DAM PHILDOTT DAM 2	4.35 4.34	1.02	2.39 2.64	76	2.67 3.06	-1.08	3.33	44	1.55	-3.20	1.00 1.16	-2.90
PHILPOTT DAM 2 ROCKY MOUNT	4.09	1.02	M 2.34	/0	2.38	-1.41	3.56	44	2.32	-3.20	1.16	-2.43
NOCKI PIOUNI	4.02	1.04	1.60	:	2.68	-1.41	5.05	13	1.26	-1.00	1.30	1 -2.43

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STATION	Л	JL	AU	G	SI	ΞP	00	СТ	NC	V	DE	EC	ANN	UAL
STATION	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
TIDEWATER 01		0.0	F 00	2.0	11 57	7.00	0.46	F 0.4	1 55	1 00	1 00	1 25	F0 45	
BACK BAY WILDLIFE REFU COLONIAL BEACH	5.77 2.57	.99 -1.61	5.88 2.11	.30 -1.46	11.54 M 4.35	7.08	8.46 3.16	5.24 .18	1.75 .78	-1.28 -2.38	1.82 2.07	-1.35 -1.20	52.41 M 28.17	6.34
EMPORIA 1 WNW	4.10	39	4.58	.05	16.50	13.09	4.10	.96	1.33	-1.63	2.39	90	50.82	7.96
FREDERICKSBURG SEWAGE	2.33	59	3.01	•05	11.33	13.09	2.26	. 30	2.30	-1.03	1.78	50	39.56	7.90
HOLLAND 1 E	5.39	.13	9.33	4.13	23.47	19.38	7.76	4.15	1.20	-1.80	1.36	-2.14	69.38	21.29
HOPEWELL	8.17	3.91	4.55	.14	16.85	13.08	3.28	26	2.35	92	2.43	81	58.78	15.25
LANGLEY AIR FORCE BASE	5.37	.69	4.54	10	19.36	14.74	6.79	3.70	1.65	-1.51	1.70	-1.84	60.83	14.41
MATHEWS 6 SE	M		2.20	-2.28	13.95	10.03	6.07	2.84	1.25	-1.82	M 2.04			
NORFOLK WSO AIRPORT R	6.17	1.11	4.47	34	13.16	9.26	8.24	5.09	1.40	-1.45	1.71	-1.52	55.39	10.75
PAINTER 2 W	2.58	-1.71	4.63	.83	10.28	7.12	5.98	2.90	.93	-2.10	M 2.66		M 48.04	
SUFFOLK LAKE KILBY	8.07	3.28	7.71	2.56	23.06	18.58	8.10	4.91	1.33	-1.57	1.81	-1.60	70.68	24.08
TANGIER ISLAND	M 5.93		3.67	.18	M		M		M		M		62.46	
WAKEFIELD 1 NW WALKERTON 2 NW	9.76 3.42	-1.14	4.10 3.50	44	22.03 13.06	9.59	5.29 2.06	-1.19	.97 2.01	-1.31	2.02 M 2.11		63.46 M 41.83	
WALLACETON LK DRUMMOND	7.30	1.72	6.25	.71	M 10.07	3.39	8.77	4.80	2.01	99	1.58	-2.30	M 41.83 M 55.35	
WARSAW 2 NW	3.32	88	2.95	-1.22	11.88	7.72	2.71	66	2.20	97	2.79	28	42.41	25
WEST POINT 2 NW	2.95	-1.68	4.00	07	18.10	14.33	3.33	03	1.21	-2.09	2.29	90	53.64	10.04
WILLIAMSBURG 2 N	5.80	.84	5.62	.90	21.35	17.10	5.53	2.32	1.19	-2.29	2.15	-1.20	62.63	15.55
DIVISIONAL DATA>	5.05	.62	4.52	.14	16.39	12.58	5.20	2.05	1.49	-1.61	2.02	-1.28	53.69	10.04
EASTERN PIEDMONT 02														
AMELIA 4 SW	4.29		3.14		8.74		2.07		1.99		1.74		37.27	
ASHLAND	4.46	.57	1.94	-2.24	14.33	10.72	2.18	-1.10	1.64	-1.59	1.82	-1.49	40.17	-2.05
BREMO BLUFF	3.40	32	3.23	74	10.76	7.94	1.86	-2.15	2.58	64	2.34	67	42.08	1.50
BUCKINGHAM	3.52	67	2.47	-1.64	10.54	6.85	1.95	-2.08	2.57	92	2.30	82	42.84	07
CAMP PICKETT CHASE CITY	3.52 4.60	.61	4.04 3.40	36	14.18 15.14	11.64	3.08 3.06	79	1.32 1.70	-1.70	2.21 1.45	-1.95	48.59 52.08	8.82
CLARKSVILLE	3.20	77	1.20	-2.45	18.48	15.26	1.70	-1.71	2.45	54	1.45	-1.45	41.15	23
CORBIN	2.48	-1.52	2.74	-1.23	10.44	6.96	2.66	-1.00	1.33	-2.08	2.17	-1.22	M 37.71	25
CROZIER	2.83	96	3.08	-1.12	11.71	8.32	2.26	-1.91	2.19	-1.17	2.12	-1.13	м 39.98	
FARMVILLE 2 N	3.45	89	3.54	45	10.11	6.93	1.72	-2.07	2.19	-1.11	1.75	-1.49	40.90	-1.98
GORDONSVILLE 3 S	5.02	.70	4.01	33	6.92	3.63	2.06	-2.22	2.88	54	3.26	02	M 41.06	
JOHN H KERR DAM	10.23	6.01	1.67	-2.27	11.77	8.48	3.29	24	1.30	-1.92	1.88	-1.35	46.68	4.15
KEYSVILLE 2 S	5.14		3.65		10.70		2.07		1.81		1.87		43.01	
LAWRENCEVILLE 3 E	7.62	3.65	6.06	1.62	21.80	18.05	3.08	38	1.52	-1.91	3.45	.16	62.00	17.59
LOUISA PALMYRA 1 E	4.99 2.45	.90 -1.79	4.95 6.47	.64 2.05	8.96 9.51	5.65 6.37	1.73 .92	-2.03 -3.19	2.37 2.13	-1.31 96	2.16 2.35	-1.12 46	39.28 39.59	-3.52 -1.12
POWHATAN	5.53	1.53	5.53	1.65	9.86	6.59	2.21	-1.74	1.54	-1.88	1.73	-1.50	42.72	.68
RICHMOND WSO AIRPORT R	2.77	-2.26	2.00	-2.40	16.60	13.26	2.25	-1.28	1.01	-2.16	1.72	-1.54	48.20	5.04
WINTERPOCK 4 W	3.02	2.20	2.56	2.10	16.18	10.20	2.64	1120	1.06	2.10	2.07		46.61	3.01
DIVISIONAL DATA>	4.44	.24	3.59	58	12.21	8.80	2.30	-1.47	1.87	-1.55	2.17	-1.08	43.89	.62
WESTERN PIEDMONT 03												1		
APPOMATTOX	3.72	68	2.55	-1.53	11.71	8.22	M 1.43		2.41	97	M 2.37		M 38.61	
BEDFORD	3.01	-1.24	2.52	-1.34	11.27	7.83	1.48	-2.47	2.48	76	3.39	.23	39.66	-3.24
BROOKNEAL	5.04 5.12	.83	2.77	-1.38	10.57	7.11	1.68 1.69	-2.02	2.29	93	2.11	-1.18	41.50	-1.89 -1.46
CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	1.98	1.21 -2.77	2.23 4.37	-1.74 34	10.75 13.84	7.07 9.74	2.04	-2.21 -2.53	2.34 2.72	86 94	2.14 2.64	-1.11 68	41.50 45.44	-1.46
CHATHAM	4.15	25	2.31	-1.50	11.45	7.68	1.85	-2.00	3.07	32	2.15	-1.23	40.29	-4.10
CONCORD 4 SSW	3.19	-1.02	4.23	.72	10.60	7.22	1.22	-2.80	2.50	92	2.70	49	41.29	-1.12
DANVILLE	4.91	.49	M 1.43		12.83	9.44	2.69	98	2.10	-1.04	1.86	-1.42	M 45.13	
FREE UNION	M		7.21	2.77	12.68	8.90	M 1.69		2.61	-1.08	2.97	15		
HUDDLESTON 4 SW	2.34	-1.61	4.07	.44	M 8.27		1.60	-2.27	2.23	-1.22	M 2.35		M 35.61	
LYNCHBURG NO 2	4.45		1.96		11.23		1.63		2.46		2.52		38.56	
LYNCHBURG WSO AIRPORT R	4.39	.23	2.50	-1.09	12.05	8.81	1.41	-2.29	2.29	85	2.35	88	39.72	-1.16
MARTINSVILLE FILTER PL	7.25 5.26	2.39 14	3.06 6.24	90	11.84 7.49	7.95	2.12 M 3.00	-1.83	1.00 2.98	-2.25 -1.19	2.51 3.55	90	M 42.34 M 53.52	
MEADOWS OF DAN 5 SW MONTEBELLO 3 NE	5.26	14	6.24 1.87	1.55	14.92	2.43 10.80	M 3.00 M 3.00		2.98 4.39	-1.19 50	6.67	27 3.04	м эз.52	
MONTEBELLO 3 NE MONTICELLO	1.82		3.44	-2.28	14.92	10.80	1.88		4.39 3.10	50	2.44	3.04	M 42.46	
PEDLAR DAM	4.04		2.82		8.85		1.65		3.13		2.44		38.57	
PHILPOTT DAM 2	6.91	1.90	4.28	36	7.82	3.51	1.64	-2.78	1.70	-1.76	1.14	-2.15	39.57	-9.00
ROCKY MOUNT	4.75	23	3.96	25	9.92	5.92	1.26	-2.76	1.81	-1.44	м 3.90		M 41.45	
SOUTH BOSTON	3.90		1.50	i	12.90		2.59		2.03	i	1.60		41.95	

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CTATION	J.	AN	F	EB	M	AR	A	PR	M	AY	J	UN
STATION	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
STUART	M 3.18		2.35	-1.33	2.10	-2.31	3.96	23	3.59	-1.12	1.96	-2.30
TYE RIVER 1 SE	4.95	1.73	2.69	55	3.04	90	2.09	-1.22	2.14	-2.41	1.33	-1.84
WOOLWINE 4 S	4.71	.90	3.46	43	2.65	-2.09	3.02	-1.57	5.03	03	1.93	-2.67
DIVISIONAL DATA>	4.87	1.65	2.24	-1.06	2.84	-1.02	3.19	24	1.96	-2.29	1.21	-2.45
NORTHERN 04												
BIG MEADOWS	7.83	4.57	M 2.53		4.81	.94	2.79	-1.05	2.79	-1.98	1.57	-2.84
BOSTON 4 SE	M 5.37		1.80		M 2.02		1.22		2.79		1.56	
EDINBURG	5.28		1.20		3.27		1.60		2.81		1.21	
FRONT ROYAL	4.91		M 1.42		3.32		2.13		1.42		1.21	
GORE 3 E R	3.86		1.29		3.98		3.51		1.57		2.19	
LAKE OF THE WOODS												
LINCOLN	М 5.79		M 1.90		3.11	46	2.33	-1.16	M 1.97		1.61	-2.56
LURAY 5 E	M 5.41		1.65	-1.00	M 3.81		1.73	-1.23	2.65	-1.10	.94	-2.52
MOUNT WEATHER	5.48	3.03	M 1.98		3.51	.52	3.32	15	1.88	-2.52	1.76	-2.27
PIEDMONT RESEARCH STN	5.26	2.46	1.94	77	3.70	.28	1.51	-1.61	1.66	-2.77	.73	-2.69
SOMERSET	4.58		1.78		3.18		1.70		2.79		M	
SPERRYVILLE	6.84		2.11		3.99		1.78		2.13		1.05	
STAR TANNERY	4.35		M 1.36		4.44		2.25		1.67		1.15	
STERLING RCS	5.71	2.57	2.05		4.74	22	2.70	0.1	2.32	1 62	2.30	2 00
THE PLAINS 2 NNE VIENNA	6.38 5.79	3.57 2.88	2.17 2.85	65 04	3.49 4.13	.22	2.59 2.28	81 98	2.59 1.57	-1.63 -2.78	1.76 2.38	-2.00 -1.72
WARRENTON 3 SE	5.69	2.75	M 2.15	04	3.40	.11	2.28	96	2.11	-2.78	.99	-2.63
WASHINGTON WSO DULLES	5.39	2.69	2.62	19	3.44	.27	2.68	43	2.22	-1.80	3.00	92
WASHINGTON REAGAN AP R	5.42	2.70	2.54	17	3.87	.70	2.09	62	1.28	-2.38	2.26	-1.12
WINCHESTER WINC	4.36	2.70	1.24	/	4.04	.70	3.20	02	1.62	-2.30	1.33	-1.12
WINCHESTER 7 SE	M 4.58		1.38	-1.10	3.48	.42	2.63	45	1.54	-2.20	1.10	-2.77
WOODSTOCK 2 NE	4.80	2.42	.69	-1.61	3.72	.97	1.33	-1.37	2.72	70	.89	-2.36
DIVISIONAL DATA>	5.35	2.65	1.80	89	3.79	.58	2.25	89	2.08	-2.00	1.54	-2.16
CENTRAL MOUNTAIN 05	3.33	2.03	1.00	-•07	3.75	.50	2.23	05	2.00	-2.00	1.34	-2.10
BUCHANAN	м 3.83		2.66	17	3.23	21	2.12	-1.03	2.95	-1.18	.94	-2.25
BUENA VISTA	" " " " " " " " " " " " " " " " " " "		2.00	1 1	0.20	'		1.00	2175	1010	• • • •	2123
COVINGTON FILTER PLANT	2.94	.75	1.85	50	2.93	.02	2.51	35	3.06	61	.78	-2.42
CRAIGSVILLE 2 S	5.22	2.46	2.20	52	3.54	.34	1.84	-1.37	3.56	52	.79	-2.61
DALE ENTERPRISE	M 4.20		M 1.58		2.51	.06	1.32	-1.20	2.39	99	.61	-2.35
EARLEHURST	M 3.27		M 1.84		M 2.17		2.91		3.72		.85	
GATHRIGHT DAM	5.00		2.45		3.48		2.72		2.67		1.14	
GLASGOW 1 SE	5.36		3.40		3.54		2.15		4.24		.93	
GOSHEN	5.76	3.00	2.76	10	4.02	.36	2.11	-1.11	3.71	53	.76	-2.35
HOT SPRINGS	5.44	2.51	M 2.62		4.55	.86	2.36	-1.07	2.51	-1.64	1.23	-2.13
KERRS CREEK 6 WNW	5.09	2.15	2.03	-1.03	2.69	96	2.80	75	3.60	62	1.16	-2.18
LEXINGTON	4.89	2.35	2.37	45	M 1.78		2.60	27	2.66	99	.84	-2.34
MILLGAP 2 NNW	5.78		2.50		3.35		2.10		2.79		2.46	
MUSTOE 1 SW	5.96		2.81		3.45		1.95		2.31		1.39	
ROANOKE 8 N	M 4.55		2.50		3.00		2.44		2.66		.86	
ROANOKE WSO AIRPORT R	3.70	1.08	2.14	90	2.77	71	2.70	55	2.27	-1.71	.85	-2.34
STAUNTON SEWAGE PLANT	4.65	2.35	1.51	77	3.04	.16	1.30	-1.52	2.50	-1.10	.84	-1.91
DIVISIONAL DATA>	4.80	2.24	2.31	38	3.23	.00	2.19	87	2.62	-1.25	1.09	-2.18
SOUTHWESTERN												
MOUNTAIN 06	- 17		2 10		2 07		4 46		2 05		4 04	
ABINGDON 3 S	5.17 M 3.03		3.18 2.80	.24	2.87 M 2.63		4.46 3.23	.17	2.95 3.64		4.94 1.67	-1.64
ALLISONIA 2 SSE			4.27	.24			3.23	•1/	3.64	58	2.97	-1.04
BIG STONE GAP	M 6.28 3.47	.71	2.33	56	3.64 2.97	59	3.65	45	2.39	-1.65	1.28	-2.13
BLACKSBURG WSO	3.47	1.01	2.33	52	2.75	64	3.82	.63	4.23	.34	.81	-2.13
BLAND BREAKS INTERSTATE PARK	3.08	1.01	2.37	52	2.15	04	3.02	.03	4.23	.34	.01	-2.51
BURKES GARDEN	2.96	27	1.49	-1.83	3.10	67	2.86	79	2.76	-1.76	1.22	-2.76
BYLLESBY DAM	5.06	21	M 2.81	-1.03	M 3.38	07	2.86 M 3.96	/ 9	4.61	-1.70	1.22	-2.70
CHRISTIANSBURG	3.38		2.39		3.18		3.15		3.64		1.33	
CLINTWOOD 1 W	4.53		2.93		3.39		3.36		2.61		3.13	
COPPER HILL	4.34	1.68	2.60	26	2.73	87	3.60	32	2.86	-1.40	2.41	-1.39
FLOYD 2 NE	4.67	2.00	7.54	4.57	M 1.22		3.49	09	3.77	17	.36	-2.98
GALAX RADIO WBRF	4.47	1.87	3.01	27	M 2.59		M 3.60		3.63	77	1.53	-2.37

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1999			CHITA											
STATION	Л	ЛL	AU	IG	SI	ΞP	00	СТ	NO	V	DE	EC	ANN	UAL
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
STUART	6.85	1.50	5.19	.52	10.05	5.60	2.38	-1.83	1.70	-1.88	2.49	-1.02	M 45.80	
TYE RIVER 1 SE	2.91	-1.66	3.23	39	12.87	9.18	2.32	-2.08	2.38	-1.06	2.79	41	42.74	-1.61
WOOLWINE 4 S	M		2.57	-1.90	7.95	2.60	1.25	-3.66	2.45	-1.88	3.22	70		
DIVISIONAL DATA>	4.45	11	3.06	-1.05	11.75	8.01	1.91	-2.11	2.37	98	2.59	67	42.44	-2.32
NORTHERN 04														
BIG MEADOWS	4.66	.16	3.10	-1.24	17.27	12.46	2.09	-3.15	3.94	-1.26	3.77	.27	M 57.15	
BOSTON 4 SE	6.67		3.45		11.90		1.86		2.71		2.25		M 43.60	
EDINBURG	4.04		3.40		M 8.46		2.39		1.05		1.86		M 36.57	
FRONT ROYAL	1.44		2.04		10.10		2.13		2.24		2.42		M 34.78	
GORE 3 E R	2.75		3.28		7.89		1.77		3.28		1.96		37.33	
LAKE OF THE WOODS		!	1.09		10.24		2.80		2.30		M 2.87			
LINCOLN	1.91	-1.84	3.38	59	9.31	5.85	2.18	-1.11	M 1.55		2.68	46	M	
LURAY 5 E	4.70	.99	1.53	-2.01	11.50	8.06	2.10	-1.43	2.33	-1.19	2.13	69	M 40.48	
MOUNT WEATHER	3.51	44	3.60	10	13.12	9.69	2.35	-1.47	2.35	-1.22	4.51	1.75	M 47.37	
PIEDMONT RESEARCH STN	2.69	-1.78	2.97	-1.31	9.34	5.80	2.03	-1.99	2.81	82	2.67	38	37.31	-5.58
SOMERSET	3.67		3.22		8.41		1.58		M 2.30		M 2.48			
SPERRYVILLE	5.09		3.63		14.45		1.74		4.59		2.77		50.17	
STAR TANNERY	1.96		3.11		7.03		2.27		2.47		1.99		M 34.05	
STERLING RCS	3.41		4.77		9.46		3.07		1.60		2.91	1	45.04	
THE PLAINS 2 NNE	2.98	54	1.77	-3.22	12.60	9.06	2.53	90	1.97	-1.60	2.95	.07	43.78	1.57
VIENNA	1.19	-2.99	4.42	.03	11.15	7.27	2.14	-1.33	M 2.11		3.01	18	M 43.02	
WARRENTON 3 SE	3.76	.04	2.48	-1.24	9.37	5.97	2.31	-1.18	M 1.74		2.57	53	M 38.85	1
WASHINGTON WSO DULLES	2.56	93	5.43	1.49	9.32	5.96	2.55	65	1.72	-1.58	2.67	55	43.60	3.36
WASHINGTON REAGAN AP R	1.01	-2.79	5.02	1.11	10.27	6.96	2.16	86	1.82	-1.30	2.49	63	40.23	1.60
WINCHESTER WINC	2.57		2.02		8.69		1.72		1.46		2.66		34.91	
WINCHESTER 7 SE	4.77	.88	2.78	68	11.31	8.20	2.22	97	1.19	-1.91	2.41	11	M 39.39	
WOODSTOCK 2 NE	1.67	-2.01	2.93	23	8.12	4.87	2.76	38	1.18	-1.59	2.46	.06	33.27	-1.93
DIVISIONAL DATA>	3.20	66	3.22	62	10.41	6.89	2.20	-1.37	2.30	-1.18	2.64	32	40.78	.03
CENTRAL MOUNTAIN 05														
BUCHANAN	2.24	-2.13	1.77	-2.21	11.70	8.35	1.71	-2.18	1.90	-1.38	2.12	76	M 37.17	
BUENA VISTA	2.36	-1.44	1.79	-1.33	9.08	6.12	1.59	-2.23	3.24	05	2.96	.03		
COVINGTON FILTER PLANT	3.07	68	3.30	15	7.02	4.17	1.68	-1.64	3.35	.38	1.68	91	34.17	-1.94
CRAIGSVILLE 2 S	3.44	84	2.53	-1.08	6.46	3.07	1.78	-2.09	2.04	-1.34	2.34	74	35.74	-5.24
DALE ENTERPRISE	1.89	-1.68	2.62	96	7.75	4.50	1.49	-1.70	1.30	-1.48	1.60	67	M 29.26	
EARLEHURST	2.64		2.77		8.01		2.36		2.72		M 2.09		M	
GATHRIGHT DAM	2.07		4.47		5.21		1.69		2.65		2.51		36.06	
GLASGOW 1 SE	1.85		1.52		12.00		1.66		4.43		3.49		44.57	
GOSHEN	4.92	.95	1.77	-2.00	6.76	3.15	2.01	-1.98	2.57	-1.06	2.98	.00	40.13	-1.67
HOT SPRINGS	2.37	-2.12	3.51	19	7.18	3.79	1.88	-1.89	3.50	.03	2.96	.12	M 40.11	
KERRS CREEK 6 WNW	4.05	21	1.73	-2.16	6.19	2.50	3.14	92	2.58	-1.15	2.19	92	37.25	-6.25
LEXINGTON					9.50	6.34			1.96	-1.06	2.43	48		
MILLGAP 2 NNW	1.79		3.81		4.68		2.78		3.28		2.68		38.00	1
MUSTOE 1 SW	1.85		5.12		5.59		2.64		3.78		2.74		39.59	
ROANOKE 8 N	5.15		3.13		8.47		1.56		2.07		M 2.57		м 38.96	
ROANOKE WSO AIRPORT R	5.96	2.05	2.63	-1.52	7.38	3.88	1.24	-2.61	2.09	-1.10	2.46	51	36.19	-4.94
STAUNTON SEWAGE PLANT	2.48	-1.01	2.31	-1.36	9.45	5.99	1.45	-2.18	M 1.77		2.20	22	M 33.50	
DIVISIONAL DATA>	2.84	-1.08	3.13	60	7.75	4.37	1.79	-1.91	2.65	52	2.39	41	36.79	-2.59
SOUTHWESTERN														
MOUNTAIN 06		<u> </u>												
ABINGDON 3 S	4.16		3.09		1.59		1.25		3.35		1.72		38.73	
ALLISONIA 2 SSE	5.52	1.72	1.98	-1.16	5.75	2.59	1.49	-1.92	1.57	-1.12	1.40	-1.18	M 34.71	1
BIG STONE GAP	4.21		3.00		1.40		2.51		4.13		2.54		M 42.36	
BLACKSBURG WSO	4.75	.74	3.17	60	4.85	1.34	1.64	-1.99	1.31	-1.58	1.92	90	33.25	-7.66
BLAND	3.39	22	M 1.38		5.45	2.41	.98	-2.20	1.92	76	1.71	-1.12	M 32.69	1
BREAKS INTERSTATE PARK					2.78				M 4.66		M 2.09			
BURKES GARDEN	5.52	.86	2.76	-1.18	3.37	.05	1.53	-1.86	2.85	47	M 2.05		M 32.47	
BYLLESBY DAM	7.35		2.45		1.55		.75		2.15		1.45	1	M 36.55	
CHRISTIANSBURG	5.19		2.52		5.54		1.61		1.54		1.90		35.37	
CLINTWOOD 1 W	2.85		2.12		2.65		2.95		3.10		2.00		35.62	
COPPER HILL	4.70	.43	M 2.78		12.13	7.84	1.62	-3.13	2.90	98	1.92	82	M 44.59	
FLOYD 2 NE	.40	-3.45	.23	-3.17	8.72	4.89	1.62	-2.39	2.94	54	2.03	67	м 36.99	
GALAX RADIO WBRF	4.70	.47	2.56	56	5.86	2.09	1.75	-2.31	3.21	24	1.54	-1.49	M 38.45	

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STATION
STATION GLEN LYN GRUNDY HILLSVILLE HURLEY 4 S JOHN W FLANNAGAN LAKE LAFAYETTE 1 NE LEBANON NEWPORT 2 NNW WORTH FORK LAKE PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 3 ENE FROUT DALE 3 SSE WITHEVILLE 1 SDIVISIONAL DATA>

1999		7 112 1 131	2011 1 17 1						WIAL (I	TTOTIES				
STATION	Л	ЛL	AU	JG	SI	EP	OC	T	NC	V	DE	EC	ANN	UAL
STATION	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
GLEN LYN GRUNDY HILLSVILLE HURLEY 4 S JOHN W FLANNAGAN LAKE LAFAYETTE 1 NE LEBANON	4.88 3.87 M 3.62 5.10 5.10 4.09	.81 82 1.59 1.59	2.02 2.17 2.38 2.39 2.45 2.45 2.50	-1.47 -1.54 -1.01 94 94	4.67 2.14 5.78 2.46 6.37 6.37 2.47	1.72 -1.46 2.14 3.35 3.35	1.39 2.83 M 1.79 2.89 1.26 1.26	-1.53 31 -2.10 -2.10	2.02 4.94 4.09 3.94 1.23 1.09 3.99	60 1.71 .69 -1.89	1.24 1.74 2.28 1.68 2.03 1.84 1.86	-1.38 -1.33 75	32.80 M 37.63 33.54 33.21 37.36	-3.74 -4.09
NEWPORT 2 NNW NORTH FORK LAKE PENNINGTON GAP PULASKI RICHLANDS	4.41 1.97 4.50 3.38 5.84	.72 27 54	4.08 2.06 3.46 4.16 2.26	1.15 30 .87	4.21 2.21 1.45 4.61 3.89	1.01 -2.16 1.62	2.06 2.74 2.03 1.42 M 1.69	-1.48 -1.26 -1.92	2.58 3.84 3.04 1.77 3.95	18 -1.04 80	1.58 1.82 2.20 1.50 1.48	-1.00 -2.32 -1.23	33.61 41.61 M 34.66 M 37.72	-8.85
SALTVILLE 1 N STAFFORDSVILLE 3 ENE TROUT DALE 3 SSE WILLIS	5.59 7.67 8.90 4.89	3.72 4.57	3.19 4.39 3.57 1.91	.89 35	2.04 4.81 3.21 6.98	1.64 34	1.13 1.87 1.91 1.70	-1.25 -2.16	3.62 2.87 3.20 1.68	.20 32	1.92 1.61 1.83 1.75	96 -1.53	35.43 39.99 41.35 37.48	2.45 -5.87
WISE 3 E WYTHEVILLE 1 SDIVISIONAL DATA>	4.38 3.97 4.23	55 23 22	1.70 2.18 2.64	-2.31 -1.26 -1.04	1.89 3.38 3.56	-1.69 .29 .08	2.25 1.47 1.83	88 -1.93 -1.62	3.41 2.05 3.04	19 67 19	2.15 1.01 1.83	-1.30 -1.60 -1.37	36.20 31.43 36.54	-9.77 -6.31 -6.76

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

STATION		N	FE	В	MA	AR _	API		IAY	JU	N	JU	L	AU	G	SE	P	OC	Т	NO	V	DE	$C \mid A$	ANN	UAL
STATION	TEMPERATURE	RE	IEMPERATURE	RE	TEMPERATURE	RE	URE	DEPARTURE	RE	IEMPERATURE	RE	URE	RE	URE	RE	TEMPERATURE	RE	TEMPERATURE	RE	IEMPERATURE	RE	URE	RE	IEMPERATURE	RE
	₹AΤ	RTO	. Σ. I	RTU	₹	RTURI	₹ .	RTU	RTU	I ₹	ΕΞ	₹	RTU	₹	ΣΞΩ	₹	RTU	₹	ETS	₹	DEPARTURE	₹	PARTU	₹	ΕΞ
	PEI	DEPAF	bei	DEPAF	PEI	DEPAF	PE	DEPAF	DEPAF	- BE	DEPARTU	JE I	DEPAF	L BE	DEPARTU	L BE	DEPAF	L BE	DEPARTU	PEI	PAF	BE	PAF	PEI	DEPARTU
	IEM	DE	EM	DE	IEM	DE	TEMPERAT	DE	DE	EM	DE	IEMPERATI	DE	TEMPERAT	DE	IEM	DE	EW	DE	IEM	DE	TEMPERAT	DE	IEM	DE
VIRGINIA	·				Ť											-								-	
TIDEWATER 01 BACK BAY WILDLIFE REFU	М		м	м		м		м		M74.3	.4	м		м		м		м		м		м	M		
COLONIAL BEACH	M		M41.6	3.1 M	45.1	-2.5 M6	50.5	3.6 M66	. 7	1 M76.0		M81.9	2.9	м		M M		M M		M M		M42.1	1.2 M		
EMPORIA 1 WNW	43.8		42.9		46.0		58.3	66		72.9	.,	79.8	2.,	78.9		69.4		58.7		55.0		43.0		59.6	
FREDERICKSBURG SEWAGE	39.2		39.2		42.2		55.8	M65		M72.4		80.1		78.3		68.1		м55.2		52.6		40.5	M	57.4	
HOLLAND 1 E	44.1				45.3		57.3	.0 65					1.6	76.7		M68.6				53.8	2.5	I		158.7	.3
HOPEWELL LANGLEY AIR FORCE BASE	46.8	8.2			48.2 46.5		51.5	2.1 68		7 M74.3 3 72.5			2.4	79.6 77.5	1.8		-1.7 -2.0			56.1 53.9	4.0		2.4 M 1.0		1.6
MATHEWS 6 SE	M42.6		M40.7	1.2 M			56.4	.1 64					1.0	м / / . 3	1	69.9		M57.9		M53.7		M42.6	.7 M		• • •
NORFOLK WSO AIRPORT R	46.1				47.6		58.0	1.0 66			2	81.1	2.9	79.5	2.3	1	. 2		.3	55.5	3.0			61.0	1.8
PAINTER 2 W	43.7				45.2		57.9	2.5 65			2	80.2	3.0		1.7		. 4		2	55.2	4.3			59.6	1.9
SUFFOLK LAKE KILBY	46.6		M45.5		47.9			1.8 M67			9	80.3		M78.2		M70.7	1	60.6	.5	55.2	3.9	45.2	2.8 M	60.8	2.1
TANGIER ISLAND WAKEFIELD 1 NW	41.5		42.4		44.2 45.3		56.5	1.0 66		1 73.8 72.2	.3	81.3 79.8	2.9	79.3 76.9	1.7	M 69.0		M 58.0		м 53.2		M 42.7	M	58 . 9	
WALKERTON 2 NW	42.6		l i		45.1		59.1	2.5 66			1	80.2	3.0		2.0		.5	l i	9	53.7	4.7	l i		59.2	2.0
WARSAW 2 NW	42.3				46.0		58.6	2.3 66			.3	80.5	3.2	77.9	1.8		1		8	54.7	4.8			59.5	2.0
WEST POINT 2 NW	42.7				45.8		59.1	1.8 66			4	80.4	3.0	78.4	2.2		.0	;		54.0	4.1			59.6	1.7
WILLIAMSBURG 2 N	44.4		44.7		46.8		50.3	3.1 67			.7	80.9	3.4	78.4	1.9		6			55.1	4.1			60.5	2.3
DIVISIONAL DATA> EASTERN PIEDMONT 02	43.6	6.4	43.1	3.5	45.8	-2.1 5	58.3	1.7 66	.2	6 73.3	4	80.5	2.7	78.2	1.5	69.8	-1.0	58.5	-1.5	54.4	3.4	43.5	1.8	59.6	1.4
AMELIA 4 SW	41.7		41.7		44.6	5	57.5	65	. 6	72.2		79.5		77.8		67.7		56.2		54.4		41.8		58.4	
ASHLAND	40.7	i			44.1		58.0	1.7 64			6		2.1	76.4	1.1	I i	-1.9		-2.0		3.7	l i		57.5	1.0
BREMO BLUFF	38.7		40.0	М	43.0	М5	56.5	M64		71.6		M79.3		77.2		M67.1		55.3	ļ	M52.0		M41.1		157.2	
CAMP PICKETT	41.2		40.3		43.4		56.4	63	:	70.4	_	78.3		76.8		66.4		54.5		52.5	2 0	39.5		57.0	_
CHASE CITY CORBIN	M39.3 38.9		38.7		43.5 43.7		57.0	1.4 64 2.0 64			3 .9	79.5 79.1	2.2	77.6	1.7		-2.4 8			52.2 52.7	3.8 4.8			57.3	.5 1.9
CROZIER	40.8		M40.8		43.3		56.4	1.1 M64				M79.5		M78.3		M67.8		M54.8		53.1	5.3		2.6 M		1.8
FARMVILLE 2 N	40.1				42.6		56.2	.8 64			4		3.4		2.7		-1.2			52.9	5.6			57.3	1.4
GORDONSVILLE 3 S	M36.7		38.5		40.4		53.4	62		69.4		м78.0		74.4		66.0		53.1		50.8		37.8		55.1	
JOHN H KERR DAM	42.1				45.1		58.2	1.3 65			6		2.7	79.1	2.7	1 :	8	57.2	-1.3	54.1	4.4	1		58.9	1.3
LAWRENCEVILLE 3 E LOUISA	43.3				45.1 41.7		56.4	.8 65 3 62			3 -1.3	78.2 77.8	2.1	77.1 73.9	2.0		8 -2.6		-1.6 -3.8	53.5 49.9	4.9	1		58.3	1.8
PALMYRA 1 E	39.5	3.2	40.9		44.0		56.8	64		71.3	-1.5	79.3	2.1	76.1	0	66.6	-2.0	54.6	-3.0	52.2	2.1	40.4		57.2	0
RICHMOND WSO AIRPORT R	42.0	6.3			45.2		57.7	.4 65			-1.6	79.6	1.6		1.1	1	-1.5		-1.4	52.9	3.3			58.6	.9
DIVISIONAL DATA>	40.2	5.2	40.6	2.5	43.6	-3.5 5	56.6	.4 64	.3	4 71.7	9	79.0	2.5	77.0	1.6	67.2	-1.6	55.3	-2.2	52.5	3.9	40.5	1.4	57.4	. 7
WESTERN PIEDMONT 03	20.4		41 0		44 0	2 45	- 7 4	2 2 2464		0 1471 0	,	77.6	2 -	75 0	1 0	wc7 2				1	2 2		2 0 1		2 4
APPOMATTOX BEDFORD	39.4 M38.8				44.9	.2 M5	56.8	3.3 M64 1 62		0 M71.8 9 70.1	.7 -1.6	77.6 78.2	2.5	75.8	2.3	M67.3	9	M55.5		M50.0 53.1	4.8	M40.1 40.9	3.0 M 1.8 M		2.4
BROOKNEAL	35.6		36.6		39.3		53.4	60		68.5	-1.0	75.8	5.2	74.3	2.3	63.0	9	50.9	-2.1	47.1	4.0	35.8		53.4	. 0
CHARLOTTE COURT HOUSE	40.3				44.3		7.1	1.7 64		8 72.4	.6	78.9	3.1		2.8	1 :	7	55.9	-1.0	53.3	5.5		2.4		2.0
CHARLOTTESVILLE 2 W	38.6				44.5			2.0 65		0 M73.3	.7	80.5	4.1		2.9		5	57.2	9	55.7	6.7	41.9	3.6 M		2.2
CHATHAM	38.3		38.9		41.3		55.3	1.3 61				76.5	1.9		1.8	1	-2.2			50.4	3.6			55.2	. 4
DANVILLE LYNCHBURG NO 2	41.1 37.8		42.0		44.9 41.7		59.3	1.9 65		7 73.0 68.9	-1.2	80.5 76.8	2.5	M79.9 74.6	2.9	68.9 64.5	-1.4	57.0 53.5	-1.4	53.3 51.4	4.1	42.0 38.9	2.0 M	55.2	1.1
LYNCHBURG WSO AIRPORT R	38.4				42.6		56.0	.3 62			-1.8	77.4	1.8	75.0	. 4	65.8	-2.3		-2.6	51.4	3.4	39.9		56.1	. 2
MARTINSVILLE FILTER PL	39.5				43.1		58.0	3.8 63				78.0	3.1		1.6	1	-1.4	1	8	49.8	3.4			56.5	1.6
MONTEBELLO 3 NE														м68.0		60.6		м48.0		M47.9		м34.9	M		
MONTICELLO	M38.6	- ^	40.8		44.4		56.2	M64		70.5		77.9	2 4	74.7	1 .	65.3	1 0	54.1	1 .	52.2		39.1		156.5	
PHILPOTT DAM 2 ROCKY MOUNT	39.3 39.5		40.9 M39.4		42.4 42.6		57 5	63 3.1 M62			.4	77.3 M77.9		M75.5 M74.3	1.6	66.4 M65.2	-1.2 -1.7	55.6 M52.1		53.0 M51.1	5.2	40.5 M41.0	2.1 M 3.2 M		1.2
SOUTH BOSTON	39.8		40.7		43.4		56.3	63		70.7	. 2	78.1	2.1	77.6	• /	67.1	-1./	55.6	-3./	52.0	4.0	41.3		57.2	1.2
STUART	41.0	i	M41.7		43.2		58.0	3.0 64			.8	78.1	3.9	76.4	3.2	M67.7	1.1	56.4	. 4	53.6	6.3	1	3.8 M		2.7
TYE RIVER 1 SE	38.0	3.7	40.0	3.1	43.6	-2.0 5	57.4	2.3 63	. 7	4 70.7	7	78.2	2.7	76.7	2.3	66.6	-1.4	55.5		53.4	5.4	40.9	2.7	57.1	1.4
DIVISIONAL DATA>	39.0	4.4	40.4	2.9	43.1	-3.4 5	56.8	1.1 63	.4	8 70.8	-1.0	78.0	2.4	76.0	1.5	66.0	-2.0	54.8	-2.0	51.7	3.8	39.9	1.4	56.7	. 7
NORTHERN 04	M20 4	E 6	M20 F	2 7 14	21 F	4 0 45	0 4	E 1 E C	0 2	1 62 1	1 1	70 1	1 6	66.6	2 1	MEO E	1 2	M16 1	1 7	M44 F	E 7	M22 2	4 1 1 34	110 6	2 -
BIG MEADOWS	M30.4	5.6	M30.5	۵./∣M	31.5	-4.0 M5	00.4	5.4 56	.9 2.	4 63.1	1.1	70.1	4.6	66.6	2.1	M59.5	1.2	м46.4	-1./	M44.5	5./	M33.2	4.1 M	148.6	2.5

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

STATION		N	FE		AR	AP	R	MA	Y	JU	N	JU	L	AU	G	SE	P	OC	T	NO	V	DE	C	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	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE
BOSTON 4 SE	34.8		37.6	41.3		54.0		62.0		70.2		76.8		73.4		65.5		52.1		50.0		37.5		54.6	
EDINBURG FRONT ROYAL	33.3 35.6		36.4 38.8	38.0 40.5		51.6		60.7		69.0 71.9		77.0 79.2		72.5		M64.3 66.0		51.5		48.5		36.2		M53.3	
GORE 3 E	R 33.0		35.2	38.1		52.1		62.2		69.5		77.4		72.6		64.1		52.1		49.8		35.9		53.5	
LAKE OF THE WOODS														M76.7		68.0		54.9		51.3		м39.0		М	
LINCOLN	32.8	.2	34.7	-1.1 39.2	-6.1	51.3	-3.51	M60.5	-3.6		-2.7	77.5	1.1	73.0	-2.0	M64.7	-3.9	50.8	-6.6	48.2		M35.6	-1.6	м53.2	-2.4
LURAY 5 E	37.5			6.6 40.9			3.0	62.4	1.2			M77.1		M73.2	2.0		1.2		. 8	52.0	7.4			M55.5	
MOUNT WEATHER	33.1		M34.1	4.5 35.9		50.7	1.4	60.5		M67.9		76.2	4.2			M63.4	6		7	49.1	6.1			M52.5	
PIEDMONT RESEARCH STN SOMERSET	37.6 м	5.3	39.5 38.5	4.4 42.2 42.3		55.7	1.3	64.6	1.1	72.2 M		79.5 M78.5	3.8	76.7 75.4	2.3	67.4 66.0	4	54.7 M53.0	-1.7	52.1 M51.5	5.1	39.3 M40.2		56.8 м	1.8
SPERRYVILLE	35.8		38.3	42.4		54.4		63.4	ľ	70.7	ľ	77.9		74.7		66.3		53.6		51.1		38.6		55.6	
STAR TANNERY	32.4		36.1	38.8		52.1		59.8		69.8		77.9		72.9		64.7		51.6		48.2		35.3		53.3	
STERLING RCS	м33.5		35.1	39.1		51.6		60.3		69.2		76.4		73.3		65.8		51.4		49.1		36.6		м53.5	
VIENNA	35.8		37.8	41.3		53.5		62.8		69.9		77.0		74.7		66.2		53.1		M51.4		38.6		M55.2	
WARRENTON 3 SE	M36.1		M39.2	4.9 M42.2	i	54.2		M62.8		M70.4		M77.5		M75.0		M66.5	-1.2			51.8		м39.5		м55.8	
WASHINGTON WSO DULLES	M34.9			3.9 41.4		53.0	.3	62.8	.6		2	78.5	2.9		1.2	67.0	1	53.1		50.1	4.7			M55.2	
WASHINGTON REAGAN AP	R 38.2 34.2		41.0 37.3	3.5 44.5 M40.6		56.5	.0	67.3	.9	74.7	9	83.0 79.9	3.0	79.7	1.2	70.0	-1.3	57.2	-2.5	53.1	3.3	42.0		58.9	.9
WINCHESTER WINC WINCHESTER 7 SE	M32.2			3.1 M38.5			3	64.1	7	70.1	.2	77.5	3.4		.3	66.5 65.3	3		-1.6	48.7	4.5	1		M55.5 M53.4	.8
WOODSTOCK 2 NE	34.3			2.5 39.3			7		-1.0	71.0	.0	79.0	4.2	1	1.0	65.4	-1.8			50.0	3.6	1	.3		.2
DIVISIONAL DATA		1		3.1 39.9			.1	62.1	3		5	77.7	3.0	1	.6	65.6	-1.1				4.3	1		54.5	
CENTRAL MOUNTAIN 05																									
BUCHANAN	38.9	3.8	42.9	4.6 M43.7	-4.0	59.7	3.51	M65.2	.5	73.6	1.8	80.2	4.8	1	2.2	67.2	9	56.9	3		4.8	M40.9		м58.2	1.9
BUENA VISTA												79.5		76.9	_	66.8		55.8		52.3		M39.5		М	_
COVINGTON FILTER PLANT	36.7			1.1 40.2			1.1		-1.6	70.2	1	75.7	1.6		2	64.9	-1.9			50.8	4.2			55.1	.0
DALE ENTERPRISE GATHRIGHT DAM	33.9 35.1		36.8 37.0	2.7 37.5 38.1		52.3	3	61.4	6	70.5	•5	77.6 74.6	4.0	73.7	1.5	63.2 63.0	-2.5	51.4	-3.0	48.1	3.3	35.6 36.4	.3	53.5 53.5	. 2
HOT SPRINGS	34.3		M36.5			53.4	3.1	59.4	1	67.2	.2	73.5	2.8		. 4	61.2	-2.0		-2.1	47.8	5.0	1 !	1.7	M52.1	1.2
LEXINGTON	36.8			2.1 M40.5		55.4	.1		-1.8		3	,,,,		/ ***	• •	65.0	-2.1	500.1		51.5	5.1				
MILLGAP 2 NNW	30.9		33.9	32.7		50.0		56.5		63.6		69.7		65.7		M59.1		46.8		45.3		32.5		м48.9	
MUSTOE 1 SW	32.2		34.0	34.7	:	50.4		56.5		64.1		71.4		66.8		58.6		48.1		45.1		33.7		49.6	
ROANOKE 8 N	37.7		41.2	41.9		55.6		62.0		M71.3		77.2		M75.6	_	66.2		55.1		52.6		41.0		M56.5	
ROANOKE WSO AIRPORT	R 39.8			4.7 44.0 5.3 39.4		58.2	2.6	64.3	1.2	72.3	.8	79.2 77.0	3.6		.9 1.5	66.4	-1.3 1	55.7	8	52.8	5.3			57.7	
STAUNTON SEWAGE PLANTDIVISIONAL DATA SOUTHWESTERN	-> 35.2 35.6				-5.2 -5.2		2.8	61.9	9		1	76.0	4.3 2.8	72.8 72.6	.5	64.3 63.8	-1.7		3 -1.9		6.7 4.8	1		54.5 54.2	
MOUNTAIN 06																									
ABINGDON 3 S	M37.5	i	M39.1	41.1		M56.8	1	M62.5	Į.	м70.9		M75.0		M72.7		64.4		55.1		M49.1		M37.0		M55.1	
BIG STONE GAP	36.0	:	36.8	39.5		57.1	2 2	63.5		72.1		M76.8	2 7	73.6		66.1	1 -	54.9	•	50.4	4 0	37.6		M55.4	1 0
BLACKSBURG WSO BLAND	35.1 35.6		36.2 35.8	3.8 37.4 36.0		52.8	2.3	58.3	9	67.0	.2	73.3 72.1	2.7	70.0 M68.6	. 4	61.6 60.6	-1.5	51.0 49.9	9	48.1	4.9	35.9 35.7		52.2 M51.4	1.2
BREAKS INTERSTATE PARK	33.0		33.0	30.0		32.3		37.0		00.0		12.1		M00.0		64.3		49.9		49.4		37.0		M	
BURKES GARDEN	33.9	7.0	м33.5	3.8 34.3	-4.6	50.6	3.5	55.0	-1.2	64.4	1.2	M70.1	3.1	65.6	1	57.7	-1.9	48.0	6	44.8	4.7	1 1	1	M49.3	1.5
CHRISTIANSBURG	36.9		37.6	м39.0		55.1		61.0		68.7		M75.1		72.3		63.9		53.1		51.3		38.5		м54.4	
CLINTWOOD 1 W	36.0		36.4	37.5		55.0		59.6		67.6		73.4		69.6		61.3		51.7		46.9		34.8		52.5	
FLOYD 2 NE	36.9			2.6 37.5			3.9		-1.2			M73.3	3.7	69.0	.4	60.2	-2.3			47.5	4.3	1		M52.2	
GALAX RADIO WBRF GRUNDY	35.4 39.9			.2 M38.7		M52.9 58.7	4.0		-2.9	66.1 M74.2		M75.0	4.3		.0 1.0	61.3 67.9	-2.4	50.7		47.9	3.7 5.6			M52.3 M57.6	
JOHN W FLANNAGAN LAKE	39.9	6.9	40.9	4.1 41.7	-4.4	58./	4.0	63.8	• 5	M/4.2	3.2	79.3	4.2	75.2	1.0	67.9	4	5/.4	1.5	52.3	5.6	м 40.0	2.8	М5/.6 м	2.4
LEBANON	M38.1		38.3	38.5		м55.5		60.7		м71.0		74.9		M70.9		м63.0		53.0		48.4		36.5		м 54.1	
NORTH FORK LAKE	M		м	м		M56.2	1	м .		M70.2		M .		M		M		м		м м		м		M M	
PENNINGTON GAP	38.3	6.6	39.9	4.9 41.3		M56.5	3.4	62.3		71.5	2.1	76.8	3.8	72.6	.6	65.0		M54.2	4	48.6	3.5	36.7		м55.3	1.7
PULASKI	36.5						2.8		-1.6	67.3	3	74.6	3.3		.6	62.5	-1.2		-1.2		6.4	1		53.3	
RICHLANDS	M37.0	:	37.4	M37.9	:	M54.7	1	M60.1		м68.8	ļi	M74.0		M70.1		62.4		M52.2		M47.3		M36.0		M53.2	
SALTVILLE 1 N	36.7		37.3	39.6		55.1	1 0	60.5	2 -	69.5	_	75.0	2 2	71.8	1 ^	63.8	2 0	53.0	1 ^	48.3	4 -	36.7		53.9	_
STAFFORDSVILLE 3 ENE WISE 3 E	36.0 38.5						1.0	58.6 61.6		67.5	5 1.5	74.3 74.3	2.3	69.8 70.6	-1.0	61.6 64.6	-3.0 .2			49.5	4.6 3.9			52.9 54.9	
HIOR J E	1 30.3	: 0.7	1 20.3	3.2 40.3	-4./	J/•4	4.0	01.0	• /	09.0	1.0	/4.3	٥.٥	10.0	. 0	04.0	• 2	1 22.1	.0	47.4	5.9	1 32.4	3.2	34.3	2.0

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

1999	JA	N	FE	EB	MA	AR .	AP	R	MA	Y	JU	N	JU	L	AU	G	SE	P	OC	CT	NC	V	DE	C	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	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE
WYTHEVILLE 1 SDIVISIONAL DATA>	5.7 36.7	6.0	36.1 37.2	3.7 2.5		-4.0 -5.5	52.9 54.9	3.1 2.6	58.2 59.8	-1.4		1	72.9	2.1 3.4	69.7 70.7	.0 .4	61.5	-2.0 -1.4	51.0 52.5	-1.2	47.9 48.6	5.3	16.2 36.8	2.1	52.2 53.5	

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

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STUART 97 8/14 9 1/6 1/10 15 3/8 18 3/13 24 3/27 28 3/30 32 10/25 29 11/4 26 12/1 19 12/1 19 NONE 1 29 16 250 242 20 10/25 11 291 266 250 242 20 NORTHERN 04 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18													- 1												10	293				
TYE RIVER 1 SE 04 101 8/ 2 6 1/ 5 3/ 9 15 3/ 9 15 3/13 22 3/21 28 4/ 1 32 10/25 29 11/18 24 11/18 24 11/30 19 12/25 11 291 266 250 242 20 NORTHERN 04		1																												
																									11	291				
BIG MEADOWS 190: 9/ 11 _6: 1/ 5: 3/13: 15: 3/26: 20: 3/26: 20: 4/24: 28: 4/25: 30: 10/23: 31: 10/25: 28: 11/ 4: 23: 11/17: 10: 12/ 1: 0: 26: 22: 226: 222: 104: 10																														
	BIG MEADOWS	90	8/1	-6	1/5	3/13	15	3/26		3/26	20	4/24	28	4/25	30															
BOSTON 4 SE 98 7/7 5 1/6 2/24 16 3/9 19 3/12 21 3/31 28 5/16 31 10/25 29 11/4 27 11/18 22 12/2 19 12/25 12 304 268 251 218 16 EDINBURG 101 7/10 2 1/6 3/12 15 3/13 18 3/27 24 3/31 26 5/3 31 10/15 31 11/5 27 11/18 19 11/18 19 12/25 11 288 250 236 219 16		1 1		_																										
FRONT ROYAL 104 7/6 7 1/5 3/8 13 3/11 20 3/26 24 3/26 24 13/25 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24 11/18 24																														

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

STATION	HIGHEST	Щ	ST	(*)	16° O	ND T	20° O	ь Т	24° C		0-														_				
	Ö	DATE	LOWEST	DATE	BELC		BELO		BELO		28° O BELO		32° O BELC		32° O BELO		28° Ol BELO		24° O BELO		20° C BELC		16° O BELO		BELOW	BELOW	BELOW	BELOW	BEI OW
ļ	H	I	ĭ	П	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	16° OR B	20° OR E	24° OR B	28° OR E	3.0° CE
GORE 3 E R LAKE OF THE WOODS	98	8/18	3	1/ 6	3/ 9 MSG	12	3/12 MSG	18	3/14 MSG	23	3/27 MSG	27	4/24 MSG	30	10/29 10/25		11/18 11/17		11/18 11/18		12/ 1 12/ 1		12/24 12/25	15 13	290	264	249	236	18
LINCOLN	101	7/ 7	2	1/ 6	3/ 8	14	3/ 9	18	3/28	24	4/ 1	27	4/26	30	10/15		10/28		11/18		11/18		12/25	-	292	254	235	210	17
	100		3		3/11	9	3/13	18	3/26	21	3/28	27	4/25		10/15		10/25		11/ 4		12/ 1		12/25				223		
MOUNT WEATHER	97		7		3/11	15 15	3/12 3/8	17 17	3/27	24	3/27	24	3/28 3/26		11/ 4 10/25		11/17 11/ 4		11/30 12/ 1		12/ 2		12/25				248		
PIEDMONT RESEARCH STN SOMERSET	101	// /	7 4	1/ 6 1/ 6	1/11 MSG	15	MSG 8	1/	3/11 MSG	21	3/23 MSG	28	MSG	32	10/25	- 1	11/4		12/ 1		12/ 2 11/18		12/25 12/ 2	14	348	269	265	226	21
SPERRYVILLE	104	7/ 7	7		2/24	15	3/ 9	18	3/12	22	3/27	28	3/27	28	10/25		11/ 4		11/19		12/25		12/25		304	291	252	222	21
STAR TANNERY	102		-3		3/8	11	3/11		3/27	23	3/31	28	5/ 2		10/15		10/28		11/18		11/18		12/23				236		
STERLING RCS	100	7/ 7	0	1/ 6	3/9	16	3/9	16	3/31	23	4/21	28	5/ 1	32	10/ 9	29	10/29		11/ 5		11/18		12/25	9	291	254	219	191	16
JIENNA _	95		8		1/10	16	3/9	17	3/11	23	3/23	27	3/27	- 1	11/4	- 1	11/18		12/ 1		12/25		12/25				265		
WARRENTON 3 SE	98	7/ 7	8		3/8	16	3/10		3/11	23	3/16	28	3/26		11/4		11/18		12/1		12/25		12/25				265		
WASHINGTON WSO DULLES WASHINGTON REAGAN AP R	99 103	7/ 6 7/ 6	4 16	1/ 6 1/ 6	2/1	16 16	3/ 8 3/ 8	17 20	3/23 3/8	24	3/31 3/11	28 27	4/25 3/23		10/28 11/18		11/ 4 12/ 1		11/18 12/24		12/23 NONE	20	12/25 NONE	12	321	290	240	218	
VINCHESTER WINC	103		8		3/8	15	3/ 9		3/12	23	3/11	28	3/23	- 1	11/10		11/18		11/18		12/24	19	12/25	16	292	290	251		
WINCHESTER 7 SE	100		2		3/ 9	13	3/ 9	13	3/26	22	3/31	26	5/ 1		10/15		11/ 6		11/18		11/18		12/25				237		
	105		7			14	3/12	20	3/26	24	3/27	25	3/28		10/25		11/ 5		11/18		12/ 1		12/25				237		
CENTRAL MOUNTAIN 05																													1
	104	7/4	8	1/ 6	3/8	16	3/8	16	3/13	23	3/31	28	4/ 1	32	10/25	- 1	11/5		11/18		12/1		12/25			268	250	219	20
BUENA VISTA COVINGTON FILTER PLANT	102	8/ 1	4	1/ 6	MSG 3/8	13	MSG 3/20	19	MSG 3/20	19	MSG 4/1	26	MSG 4/15	20	10/25 10/25		11/ 4 11/ 4		11/18 11/18		12/ 1 12/ 1		12/25 12/25	10		256	243	217	1.0
DALE ENTERPRISE	102		7		3/12	14	3/16	20	3/26	24	3/31	27	4/15		10/23		10/25		11/17		11/18		12/25				236		
GATHRIGHT DAM	96		5		3/9	15	3/12	20	3/16	24	3/23	26	3/31		10/25		11/ 4		11/18		12/ 1		12/25				247		
HOT SPRINGS	96	8/ 1	5	1/5	3/12	14	3/17	19	3/17	19	3/23	26	4/15	32	10/21		11/ 3	28	11/17	24	12/ 1	17	12/25	9	288	259	245	225	18
LEXINGTON					3/9	16	3/9	16	3/16	22	4/1	28	4/19		MSG		MSG		MSG		MSG		12/25		291				
MILLGAP 2 NNW	91		-2		3/16	16	3/23	20	4/14	24	5/3	28	5/16	32	9/22		10/6		10/25		11/17		11/17				194		
MUSTOE 1 SW ROANOKE 8 N	95 101		-2 6		3/13	12 16	3/23 3/ 9	20 17	3/31 3/14	21 24	5/ 3 4/ 1	28 28	5/16 4/ 1	32 28	9/23 10/25		10/15 11/18		11/ 4 12/ 2		11/ 5 12/25		11/17 12/26				218 263		
	100		10		1/10	16	3/8	18	3/14	18	3/13	27	3/27		11/ 5		11/18		12/ 1		12/25		12/25				268		
STAUNTON SEWAGE PLANT SOUTHWESTERN	99		7		3/8	12	3/11		3/13	- 1	3/26		4/ 1	- 1	10/24		10/24				12/ 1		12/25				263		
MOUNTAIN 06																													
ABINGDON 3 S	94		7		2/22	16	3/12		3/16		3/28	25	4/13		10/22		10/25		11/17		12/ 1		12/ 1				246		
BIG STONE GAP	96 92	8/ 1 8/ 1	6 2		2/15	12	3/12	19	3/17 3/28	24	3/28	27 27	4/17 5/ 4		10/25 10/21		10/25 10/26		11/ 4 11/ 5		12/ 1 11/18		12/ 1 12/25				232 222		
BLACKSBURG WSO BLAND	94		0		3/9	10 15	3/12 3/17	20 15	3/20	24	3/31 4/15	28	5/ 4 5/ 4	30			10/20		10/25		11/17		11/18				208		
BREAKS INTERSTATE PARK	71	., .		1, 0	MSG		MSG		MSG		MSG		MSG	30	MSG	32	MSG	20	MSG		12/ 1		12/ 1	16	210	213	200	100	1
BURKES GARDEN	89	7/8	3	1/11	3/16	16	3/20	20	3/27	21	4/25	28	5/4	32	9/18	31	10/21	26	10/25	21	11/17	18	11/18	16	247	242	212	179	13
CHRISTIANSBURG	96	7/8	8	1/ 6	3/9	14	3/9	14	3/13	22	3/27	27	3/28	31	10/21	32		27	12/ 1		12/ 1		12/25				263		
CLINTWOOD 1 W	95		7			15	3/17	20	3/29	22	4/1	28	4/20	32	9/23		10/25		10/25		11/17		12/ 1				210		
FLOYD 2 NE GALAX RADIO WBRF	92 93	8/ 1 8/ 1	6 5		3/8	1 5	3/27 3/ 9	19 15	3/31 3/17	24	5/ 3 3/31	28 28	5/ 3 5/ 4		10/ 6 10/21		10/21 10/25		11/ 5 11/18		11/18 12/ 1		12/ 2 12/25				219 246		
GRUNDY	99		10		1/ 6	15 10	3/9	19	3/17	21	3/29	26	4/14		10/21				11/18	24			12/25				236		
JOHN W FLANNAGAN LAKE	,	3, 3	10	1, 0	MSG		MSG		MSG		MSG	-	MSG	32	MSG	31	MSG		MSG		MSG		MSG		331	207	230		1
LEBANON	94	8/ 1	6	1/ 1	3/8	16	3/17	17	3/17	17	3/29	25	4/15	32	10/21	31	10/25	23	10/25	23	11/18	20	12/ 1	15	268	246	222	210	18
NORTH FORK LAKE					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
PENNINGTON GAP	95	8/ 1		12/26	2/15	14	3/13		3/13	20	3/30	- 1	4/19	- 1	10/25		10/25		11/4		11/18		12/ 1	-			236		1
PULASKI RICHLANDS	95 92		4 6		3/9	15 14	3/ 9 3/13	15 19	3/14 3/28	22	3/31 4/14	28 28	5/ 1 4/15	32 29	10/21 9/23		10/28 10/25		11/18 10/25		12/25 11/ 4		12/25 12/ 1				249 211		
SALTVILLE 1 N	94		6		3/8	15	3/13		3/28	24	3/31	28	4/15				10/25		10/25		11/18		12/ 1				211		
STAFFORDSVILLE 3 ENE	96		2		3/ 9	11	3/13	11	3/28	23	4/ 1	28	5/ 4		10/23		10/25		11/ 5		11/18		12/23				222		
WISE 3 E	91		3		3/8	16	3/12	17	3/16	22	3/28	26	3/28		10/21		10/25	25	11/17	22	11/30	20	12/ 1	14	268	263	246	211	20
WYTHEVILLE 1 S	92	7/ 7	2	1/ 6	3/9	11	3/12	19	3/28	24	4/ 1	28	5/ 3	30	10/ 7	32	10/25	27	11/ 5	23	11/18	18	12/25	13	291	251	222	207	15

MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE = 65 DEGREES FAHRENHEIT

VIRGINIA 1999

1999				1										Tan Lagarria
STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
VIRGINIA TIDEWATER 01 BACK BAY WILDLIFE REFU	_	_	_	_	_	в 297	_	_	_	_	_	_	_	1453
COLONIAL BEACH	_	в 0	в 0	B 29	В 91	В 343	В 531	_	_	_	_	в 0	_	1509
EMPORIA 1 WNW	0	0	0	22	95	250	466	436	158	21	2	0	1450	
FREDERICKSBURG SEWAGE HOLLAND 1 E	1 0	0	0	3 25	B 73 90	B 234 224	476 438	422 369	140 B 139	B 4 21	0 4	0 0	B1353 B1310	1296
HOPEWELL	1	Ö	2	54	145	B 289	511	455	176	24	4	0	B1661	1533
LANGLEY AIR FORCE BASE	1	0	0	19	95	236	472	393	161	33	1	0	1411	1458
MATHEWS 6 SE NORFOLK WSO AIRPORT R	B 0	B 0	- 0	B 19 25	73 112	221 275	509	458	173 222	B 20 42	B 4	B 0	1651	1321 1422
PAINTER 2 W	0	0	0	20	96	240	480	400	182	28	3	0	1449	1220
SUFFOLK LAKE KILBY	3	В 0	0	В 37	B 124	250	482	В 423	в 190	36	4	0	B1549	1356
TANGIER ISLAND WAKEFIELD 1 NW	0 1	0 0	0	33	108 98	273 230	510 466	454 375	150	22	3	-0	1378	1474
WALKERTON 2 NW	0	0	0	33	98	260	479	411	175	22	2	0	1477	1239
WARSAW 2 NW	0	0	0	28	101	270	487	410	165	24	0	0	1485	1256
WEST POINT 2 NW	0	0	0	32	102	262	485	423	170	17	1	0	1492	1289
WILLIAMSBURG 2 N EASTERN PIEDMONT 02	0	0	2	46	121	286	501	422	167	19	2	0	1566	1302
AMELIA 4 SW	1	0	0	18	97	236	457	406	119	6	7	0	1347	
ASHLAND	0	0	0	27	55	218	427 D 451	361	103 D 110	7	0	0	1198	1137
BREMO BLUFF CAMP PICKETT	0 2	0 0	B 0 0	B 17 11	B 51 63	212 188	B 451 419	385 375	B 110 99	6 4	B 0	B 0	B1232 1161	
CHASE CITY	в 0	ő	ő	15	64	247	461	400	107	8	Ö	0	B1302	1251
CORBIN	0	0	3	11	63	242	449	401	128	13	0	0	1310	1059
CROZIER FARMVILLE 2 N	2	B 0	0	14 15	B 65	230 226	B 454 460	B 426 390	B 127 101	B 4	1 0	0 0	B1323 1266	1094 1078
GORDONSVILLE 3 S	В 0	0	0	0	25	165	B 414	301	93	1	0	0	В 999	1076
JOHN H KERR DAM	0	0	0	23	86	252	481	442	151	17	3	0	1455	1294
LAWRENCEVILLE 3 E LOUISA	1 0	0	0	8 11	78 28	210 190	422 404	382 287	115 83	16	1 0	0 0	1233 1003	1089 1045
PALMYRA 1 E	0	0	0	22	53	203	452	352	98	5	0	0	1185	1045
RICHMOND WSO AIRPORT R	ı i	0	0	24	82	231	460	409	140	13	2	0	1362	1348
WESTERN PIEDMONT 03	0	0		D 10	D 40	D 210	403	242	D 111			- ·	D1140	983
APPOMATTOX BEDFORD	В 0	0	0	B 12 24	B 49 29	B 218 178	403 427	342 346	B 111 83	B 5	B 0	B 0	B1140 B1087	1029
BROOKNEAL	0	0	0	7	12	141	352	298	49	0	0	0	859	
CHARLOTTE COURT HOUSE	1 0	0	0	18	63	235	441	397	122	8	1	0	1282	1085
CHARLOTTESVILLE 2 W CHATHAM	0	0	3	B 20	87 24	B 270 144	492 367	405 324	144 72	8 2	12	0 0	B1441 940	1156 945
DANVILLE	0	0	0	38	77	247	492	В 467	140	10	0	0	B1471	1381
LYNCHBURG NO 2	0	0	0	9	20	148	376	307	61	1	0	0	922	1040
LYNCHBURG WSO AIRPORT R MARTINSVILLE FILTER PL	0	0	0	18 20	28 31	169 184	398 416	318 329	84 80	5 8	0 0	0 0	1020 1068	1048 935
MONTEBELLO 3 NE	_		_		_	-	-	B 108	31	в 0	в 0	в 0	-	, , ,
MONTICELLO	В 0	0	0	3	B 81	188	412	316	71	3	0	0	B1074	072
PHILPOTT DAM 2 ROCKY MOUNT	0	B 0	0	B 17	37 B 23	198 194	400 B 404	B 333 B 296	91 B 75	0 B 1	B 0	B 0	B1010	972 940
SOUTH BOSTON	ő	0	ő	19	39	188	423	401	105	8	0	0	1183	
STUART	0	В 0	0	26	49	211	412	360	В 116	5	2	0	B1181	939
TYE RIVER 1 SE NORTHERN 04	0	0	0	13	42	198	424	370	98	2	1	0	1148	1023
BIG MEADOWS	в 0	В 0	в 0	в 0	9	53	195	83	В 15	В 0	В 0	в 0	в 355	150
BOSTON 4 SE	0	0	0	0	26	185	379	273	76	0	0	0	939	
EDINBURG FRONT ROYAL	0	0	0	0	22 35	162 227	385 449	247 308	B 59 91	0	0	0 0	В 875 1111	
GORE 3 E R	0	0	0	1	35	171	395	250	63	2	0	0	913	
LAKE OF THE WOODS	_	_	_	_	_	-	-	в 376	136	4	0	в 0	-	
LINCOLN	0	0	0	1	В 13	180	394	258	В 68	1	0	В 0	В 915	1119

VIRGINIA 1999

MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE = 65 DEGREES FAHRENHEIT

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
LURAY 5 E MOUNT WEATHER PIEDMONT RESEARCH STN SOMERSET SPERRYVILLE STAR TANNERY STERLING RCS VIENNA WARRENTON 3 SE WASHINGTON WSO DULLES WASHINGTON REAGAN AP R WINCHESTER WINC WINCHESTER 7 SE WOODSTOCK 2 NE	0 0 0 0 - 0 0 0 8 0 0 8 0 0 0 0 0 0 0 0	B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14 1 5 - 1 2 0 1 4 0 4 5 0	32 27 62 34 41 13 17 39 B 21 34 111 55 26	182 B 138 235 - 187 184 161 175 B 185 198 301 231 180 210	B 375 359 460 B 426 411 411 360 379 B 388 426 565 467 400 444	B 264 214 373 330 305 259 267 309 B 316 332 462 337 259 309	91 B 47 122 91 89 71 98 96 B 100 120 180 103 75 85	5 0 4 B 2 2 1 0 0 0 2 1 6 1 4	3 0 1 B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B 966 B 786 1262 - 1036 941 B 903 B 999 B1017 B1111 1629 B1199 B 944 1090	686 615 1023 962 973 1549 823 937
CENTRAL MOUNTAIN 05 BUCHANAN BUENA VISTA COVINGTON FILTER PLANT DALE ENTERPRISE GATHRIGHT DAM HOT SPRINGS LEXINGTON MILLGAP 2 NNW MUSTOE 1 SW ROANOKE 8 N ROANOKE 8 N ROANOKE WSO AIRPORT R STAUNTON SEWAGE PLANT SOUTHWESTERN	0 - 0 0 0 0 0 0	0 - 0 0 0 0 0 0 0 0	B 0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26 - 9 0 6 3 6 0 0 11 26 7	B 63 - 26 26 18 7 27 0 0 25 47 28	268 - 183 197 140 117 192 48 55 B 212 233 173	477 461 344 407 315 281 - 164 223 395 451 382	375 378 257 283 230 177 - 56 88 B 339 336 251	102 100 65 50 40 26 67 B 7 9 87 86 58	7 4 2 0 1 0 - 0 0 3 9 0	0 0 0 0 0 0 0 0	B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B1318 - 886 963 750 B 611 - B 275 375 B1072 1188 899	1049 885 797 528 956
MOUNTAIN 06 ABINGDON 3 S BIG STONE GAP BLACKSBURG WSO 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 3 E WYTHEVILLE 1 S	B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B 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 8 0 0 0 0 0 0 0 0 0 0 0 0 0	B 3 5 1 0 0 6 1 11 B 0 21 - B 1 B 5 B 0 2 B 1 1 6 16 0	B 24 33 2 3 - 0 12 2 4 0 45 - 7 - 15 6 B 5 9 5 16 2	B 192 227 107 86 - 54 143 114 91 83 B 293 B 197 B 176 207 113 B 143 153 115 142 93	B 321 B 370 282 246 - B 191 B 333 274 B 275 B 316 452 - 318 B 288 323 309 300 269	B 253 273 167 B 132 - 59 239 160 148 167 324 B 186 - 244 193 B 172 220 163 190 161	69 96 28 20 57 8 48 25 19 27 130 - - 72 30 40 54 27 66 29	0 0 0 0 0 0 0 0 0 6 - 0 - 0 0 0 0 0 0 0	B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B 862 B1004 587 B 487 B 312 B 781 576 B 548 B 593 B1271 B 751 - B 914 662 B 649 760 625 730 554	514 194 400 511 1033 768 563 647 565 512

TOTAL EVAPORATION AND WIND MOVEMENT

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
VIRGINIA TIDEWATER 01 HOLLAND 1 E	WIND EVAP MAX TEMP MIN TEMP	- - -	- - - -	- - - -	1898 B 5.98 73.6 48.0	1723 B 6.55 82.0 58.4	1370 6.30 87.1 64.9	1218 7.28 93.0 70.3	1037 B 6.62 91.8 66.6	1477 B 3.80 M 78.9 M 60.0	1019 B 3.32 72.4 49.7	- - - -	- - - -	- - M - M -
EASTERN PIEDMONT 02 JOHN H KERR DAM	WIND EVAP MAX TEMP MIN TEMP	- - - -	- - -	- - -	- - - -	1057 5.50 -	1000 B 4.85	907 B 5.86	923 5.47 -	906 4.41 -	622 2.52 -	- - - -	- - -	
WESTERN PIEDMONT 03 PHILPOTT DAM 2	WIND EVAP MAX TEMP MIN TEMP	- - - -	- - -	- - -	841 - - -	684 B 5.08	536 B 3.38	378 8.39 - -	B 333 B 5.96 -	513 5.58 - -	355 7.05 - -	- - - -	- - - -	- - -
NORTHERN 04 PIEDMONT RESEARCH STN	WIND EVAP MAX TEMP MIN TEMP	- - - -	- - -	- - -	1576 5.37 67.9 43.0	1282 7.16 80.9 53.1	1220 6.90 84.6 61.9	1132 7.58 90.0 67.7	1142 7.99 88.6 64.6	1130 4.90 79.7 60.3	883 3.13 69.2 47.9	914 - M - M -	- - - -	- - M - M -
CENTRAL MOUNTAIN 05 GATHRIGHT DAM	WIND EVAP MAX TEMP MIN TEMP	- - - -	- - -	- - - -	= =	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -

STATION INDEX

1999	NO.	NO.				ELEVATION		EARS C RECORD		OPE OR CI DURIN	OSED	SEE
STATION	INDEX	DIVISION	COUNTY	LATITUDE	LONGITUDE	FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	REFERENCE NOTES
VIRGINIA ABINGDON 3 S	0021	06	WASHINGTON	36 40	81 58W	1920	32	32	0			Н
ALLISONIA 2 SSE	0135	06	PULASKI	36 55	80 44W	1820	0	49	0			H
AMELIA 4 SW	0187	02	AMELIA	37 19	78 4W	360	32	32	0			H
APPOMATTOX	0243	03	APPOMATTOX	37 21	78 50W	910	39	62	0			H
ASHLAND	0327	02	HANOVER	37 45	77 29W	220	88	88	0			H
BACK BAY WILDLIFE REFU BEDFORD	0385 0551	01	VIRGINIA BEA BEDFORD	36 40 37 21	75 55W 79 31W	10 975	48 72	48 86	0 0			H H
BIG MEADOWS	0720	03	MADISON	38 32	79 31W 78 26W	3540	65	65	0			H H
BIG STONE GAP	0735	06	WISE	36 52	82 46W	1464	11	11	ő			H H
BIRCHLEAF 1 SW	0744	06	DICKENSON	37 10	82 18W	1640	1	1	Ö		APR	H
BLACKSBURG WSO	0766	06	MONTGOMERY	37 12	80 24W	2010	48	48	0			Н
BLAND	0792	06	BLAND	37 6	81 6W	2000	10	50	0			H
BOSTON 4 SE	0860	04	CULPEPER	38 33	78 6W	590	2	2	0			H
BREAKS INTERSTATE PARK	0982	06	DICKENSON	37 17	82 18W	1893	1	1	0	SEPT		H
BREMO BLUFF	0993	02	FLUVANNA	37 43	78 17W	225	15	60	0			C H
BROOKNEAL	1082	03	CAMPBELL	37 4	78 57W	428	15	41	0			H
BUCHANAN BUCKINGHAM	1121 1136	05 02	BOTETOURT BUCKINGHAM	37 32 37 33	79 41W 78 31W	880 552	79 0	96 65	0			H H
BUENA VISTA	1150	05	ROCKBRIDGE	37 44	76 31W 79 21W	840	1	62	0			H
BURKES GARDEN	1209	06	TAZEWELL	37 6	81 20W	3300	103	105	0			H
BYLLESBY DAM	1259	06	CARROLL	36 47	80 56W	2555	0	35	Ö			H
CAMP PICKETT	1322	02	NOTTOWAY	37 2	77 58W	330	29	29	0			СН
CHARLOTTE COURT HOUSE	1585	03	CHARLOTTE	37 4	78 42W	590	54	54	0			H
CHARLOTTESVILLE 2 W	1593	03	ALBEMARLE	38 2	78 31W	870	97	124	0			H
CHASE CITY	1606	02	MECKLENBURG	36 48	78 28W	510	53	53	0			H
CHATHAM	1614	03	PITTSYLVANIA	36 49	79 25W	640	77	77	0			СН
CHRISTIANSBURG CLARKSVILLE	1692 1746	06 02	MONTGOMERY	37 5	80 24W 78 34W	2100 310	5	109	0			H
CLINTWOOD 1 W	1825	06	MECKLENBURG DICKENSON	36 37 37 9	78 34W 82 29W	1780	0 7	7	0			H H
COLONIAL BEACH	1913	01	WESTMORELAND	38 15	76 58W	10	38	38	0			H H
CONCORD 4 SSW	1955	03	CAMPBELL	37 17	78 58W	640	0	51	0			H H
COPPER HILL	1999	06	FLOYD	37 5	80 8W	2690	0	59	0			H
CORBIN	2009	02	CAROLINE	38 12	77 22W	220	42	42	0			H
COVINGTON	2041	05	ALLEGHANY	37 47	80 0W	1207	0	63	0		APR	H
COVINGTON FILTER PLANT	2044	05	ALLEGHANY	37 49	79 59W	1230	40	40	0			C H
CRAIGSVILLE 2 S	2064	05	AUGUSTA	38 4	79 24W	1780	0	38	0			H
CROZIER DALE ENTERPRISE	2142 2208	02 05	GOOCHLAND ROCKINGHAM	37 40 38 27	77 53W 78 56W	350 1400	25 118	62 120	0			H C H
DANVILLE	2208	03	PITTSYLVANIA	36 35	78 56W 79 23W	410	83	110	0			H
EARLEHURST	2600	05	ALLEGHANY	37 40	80 15W	2037	0	25	0			H H
EDINBURG	2663	04	SHENANDOAH	38 49	78 34W	840	4	4	0			СН
EMPORIA 1 WNW	2790	01	GREENSVILLE	36 42	77 34W	100	18	70	Ö			H
FARMVILLE 2 N	2941	02	CUMBERLAND	37 20	78 23W	450	79	81	0			H
FLOYD 2 NE	3071	06	FLOYD	36 56	80 18W	2625	68	68	0			H
FREDERICKSBURG SEWAGE	3204	01	FREDERICKSBU	38 17	77 27W	15	6	6	0			H
FREE UNION	3213	03	ALBEMARLE	38 6	78 35W	570	0	46	0			H
FRONT ROYAL	3229 3267	04	WARREN	38 54	78 11W 80 55W	930	5	5	0			H
GALAX RADIO WBRF GATHRIGHT DAM	3267	06	CARROLL ALLEGHANY	36 40 37 57	80 55W 79 57W	2385 1770	46 22	57 22	0 22		İ	H C H
GLASGOW 1 SE	3375	05	ROCKBRIDGE	37 37	79 26W	740	0	34	0			Н
GLEN LYN	3397	06	GILES	37 22	80 52W	1520	48	87	0			H
GORDONSVILLE 3 S	3466	02	LOUISA	38 5	78 11W	460	5	40	0			H H
GORE 3 E R	3468	04	FREDERICK	39 17	78 22W	1140	3	3	Ö			H
GOSHEN	3470	05	ROCKBRIDGE	37 59	79 30W	1350	0	61	0			H
GRUNDY	3640	06	BUCHANAN	37 17	82 5W	1170	40	50	0			H
HILLSVILLE	3991	06	CARROLL	36 44	80 43W	2505	0	58	0	1	i	H H

STATION INDEX

1999	NO.	NO.				ELEVATION		EARS O		OPE OR CI DURIN	LOSED	SEE
STATION	INDEX	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	REFERENCE NOTES
HOLLAND 1 E	4044	01	SUFFOLK	36 41	76 46W	80	68	68	12			Н
HOPEWELL HOT SPRINGS	4101 4128	01 05	PRINCE GEORG BATH	37 18 38 0	77 18W 79 50W	40 2236	108 103	113 105	0 0			H C H
HUDDLESTON 4 SW	4148	03	BEDFORD	37 8	79 32W	1050	0	51	ő			H H
HURLEY 4 S	4180	06	BUCHANAN	37 22	82 3W	1088	0	1	0	JAN		СН
JOHN W FLANNAGAN LAKE	4410	06	DICKENSON	37 14	82 21W	1460	1	32	0			H
JOHN H KERR DAM	4414	02 05	MECKLENBURG	36 36	78 17W	250	52	52 39	49			СН
KERRS CREEK 6 WNW KEYSVILLE 2 S	4565 4568	02	ROCKBRIDGE CHARLOTTE	37 52 37 1	79 34W 78 28W	1500 530	0	22	0 0			H H
LAFAYETTE 1 NE	4676	06	MONTGOMERY	37 14	80 13W	1320	Ö	50	0			H H
LAKE OF THE WOODS	4692	04	ORANGE	38 21	77 45W	360	i	1	0	JUNE		H
LANGLEY AIR FORCE BASE	4720	01	HAMPTON	37 5	76 21W	10	115	164	0			H
LAWRENCEVILLE 3 E	4768	02	BRUNSWICK	36 46	77 47W	325	55	55	0			H
LEBANON LEXINGTON	4777 4876	06 05	RUSSELL ROCKBRIDGE	36 55 37 48	82 3W 79 25W	1710 1125	12 122	12 129	0			H H
LINCOLN	4909	04	LOUDOUN	37 48	79 23W 77 42W	500	99	100	0			H
LOUISA	5050	02	LOUISA	38 2	78 OW	420	85	85	Ö			H
LURAY 5 E	5096	04	PAGE	38 40	78 22W	1400	59	59	0			H
LYNCHBURG NO 2	5117	03	CAMPBELL	37 23	79 14W	740	2	2	0			H
LYNCHBURG WSO AIRPORT R	5120 5150	03	CAMPBELL	37 20	79 12W	940	129	129 5	0		MAN	C HJ
MADISON 4 ESE MARTINSVILLE FILTER PL	5300	04	MADISON HENRY	38 21 36 42	78 13W 79 52W	600 760	5 61	69	0 0		MAY	H H
MATHEWS 6 SE	5338	01	MATHEWS	37 24	76 16W	5	50	50	0			Н Н
MEADOWS OF DAN 5 SW	5453	03	PATRICK	36 40	80 27W	2225	0	51	0			H
MILLGAP 2 NNW	5595	05	HIGHLAND	38 21	79 44W	2520	2	25	0			СН
MONTEBELLO 3 NE	5685	03	NELSON	37 53	79 8W	2680	0	57	0			H
MONTICELLO MOUNT WEATHER	5700 5851	03 04	ALBEMARLE LOUDOUN	38 1 39 4	78 27W 77 53W	780 1720	19 96	19 97	0 0			H H
MUSTOE 1 SW	5880	05	HIGHLAND	38 19	79 39W	2380	6	6	0			C H
NEWPORT 2 NNW	6046	06	GILES	37 18	80 30W	2060	0	55	0			H
NORFOLK WSO AIRPORT R	6139	01	NORFOLK	36 54	76 12W	24	55	55	0			СНЈ
NORTH FORK LAKE	6173	06	WISE	37 7	82 38W	1675	2	32	0			H
PAINTER 2 W	6475 6491	01 02	ACCOMACK	37 35 37 52	75 49W 78 15W	30 410	45 6	45 44	0 0			СН
PALMYRA 1 E PEDLAR DAM	6593	02	FLUVANNA AMHERST	37 40	78 15W 79 17W	1010	0	62	0			H H
PENNINGTON GAP	6626	06	LEE	36 44	83 OW	1500	66	66	0			H H
PHILPOTT DAM 2	6692	03	HENRY	36 47	80 2W	1123	48	48	48			СН
PIEDMONT RESEARCH STN	6712	04	ORANGE	38 14	78 7W	520	53	54	28			СН
POWHATAN PULASKI	6906 6955	02 06	POWHATAN PULASKI	37 33 37 4	77 56W 80 47W	400 1850	0 40	41 40	0 0			H C H
RICHLANDS	7174	06	TAZEWELL	37 6	81 48W	1910	12	12	0			Н
RICHMOND WSO AIRPORT R	7201	02	HENRICO	37 31	77 19W	164	63	63	0			C HJ
ROANOKE 8 N	7278	05	ROANOKE	37 22	79 58W	1190	2	2	0			н
ROANOKE WSO AIRPORT # R	7285	05	ROANOKE	37 19	79 58W	1149	66	68	0			C HJ
ROCKY MOUNT	7338 7506	03 06	FRANKLIN SMYTH	36 59 36 53	79 54W 81 46W	1315 1733	107 67	107 69	0			СН
SALTVILLE 1 N SOMERSET	7904	04	ORANGE	38 15	78 16W	510	5	33	0			H H
SOUTH BOSTON	7925	03	HALIFAX	36 42	78 53W	340	45	45	0			Н Н
SPERRYVILLE	7985	04	RAPPAHANNOCK	38 37	78 14W	750	5	5	0			н
STAFFORDSVILLE 3 ENE	8022	06	GILES	37 16	80 43W	1950	31	49	0			СН
STAR TANNERY	8046 8062	04 05	FREDERICK	39 5	78 27W 79 5W	950 1640	108	114	0			C H C H
STAUNTON SEWAGE PLANT STERLING RCS	8062	04	AUGUSTA LOUDOUN	38 11 38 59	79 5W 77 29W	280	24	114 24	0 0			H
STONY CREEK 1 E	8129	01	SUSSEX	36 57	77 24W	70	42	42	0			H H
STUART	8170	03	PATRICK	36 38	80 15W	1375	41	41	0			H
SUFFOLK LAKE KILBY	8192	01	SUFFOLK	36 44	76 36W	22	54	54	0			H
TANGIER ISLAND	8323	01	ACCOMACK	37 50	76 OW	5	48	48	0	I	:	H

STATION INDEX

1999	NO.	NO.					Y	EARS O)F	OPE OR CI DURIN	OSED	SEE
STATION	INDEX N	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	TEMP.	PRECIP.	EVAP.	MONTH OPENED	MONTH CLOSED	REFERENCE NOTES
THE PLAINS 2 NNE TROUT DALE 3 SSE TYE RIVER 1 SE VIENNA WAKEFIELD 1 NW WALKERTON 2 NW WALLACETON LK DRUMMOND WARRENTON 3 SE WARSAW 2 NW WASHINGTON WSO DULLES WASHINGTON REAGAN AP R WEST POINT 2 NW WILLIAMSBURG 2 N WILLIS WINCHESTER WINC WINCHESTER 7 SE WINTERPOCK 4 W WISE 3 E WOODSTOCK 2 NE WOOLWINE 4 S WYTHEVILLE 1 S	8396 8547 8600 8737 8800 8829 8837 8888 8994 9025 9151 9169 9181 9213 9215 9263 9301	04 06 03 04 01 01 04 04 01 06 04 02 06 03 06	FAUQUIER GRAYSON NELSON FAIRFAX SUSSEX KING AND QUE CHESAPEAKE FAUQUIER RICHMOND LOUDOUN ARLINGTON KING WILLIAM YORK FLOYD FREDERICK FREDERICK CHESTERFIELD WISE SHENANDOAH PATRICK WYTHE	38 54 36 40 37 38 38 54 36 59 37 45 36 36 38 41 37 59 38 56 38 52 37 34 37 18 36 55 39 11 39 11 37 20 37 0 38 54 36 41 36 56	77 45W 81 24W 78 56W 77 16W 77 0W 77 3W 76 26W 77 46W 77 27W 77 2W 76 48W 76 48W 78 9W 78 78 80 31W 78 9W 78 76 81 6W 81 6W	530 2820 720 418 200 50 30 500 140 290 70 2835 720 680 300 2549 680 1520 2450	0 0 38 5 26 67 0 50 50 39 60 47 50 0 19 95 0 46 10 20 97	55 65 62 52 26 68 74 50 50 50 47 55 21 19 42 22 46 108 50 127	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			C H C H H H H H C H C H H C H C H C H C

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 1993, the averaging period is 1961 to 1990. 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".

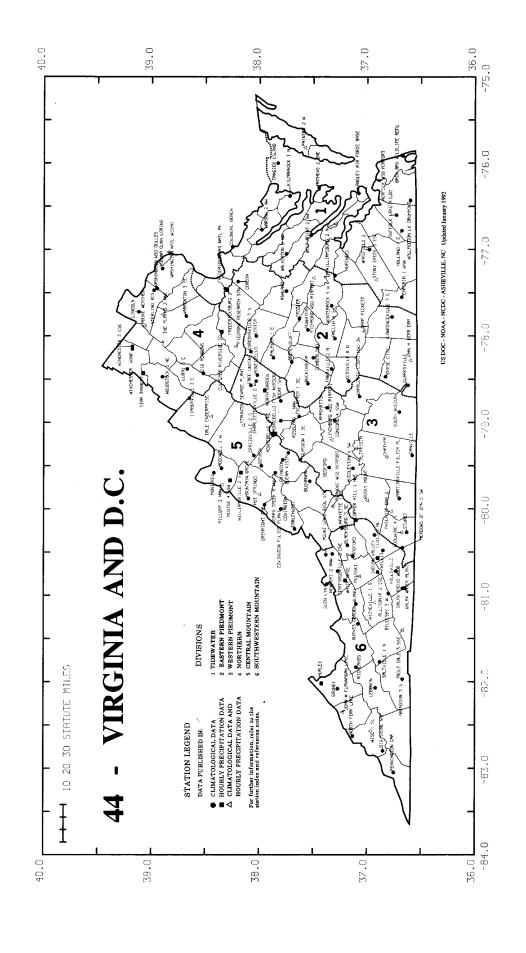
Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

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.

SUBSCRIPTION, PRICE, AND ORDERING INFORMATION AVAILABLE FROM:

NATIONAL CLIMATIC DATA CENTER ROOM 120 151 PATTON AVENUE ASHEVILLE, NC 28801-5001



These and other publications are available from the National Climatic Data Center

Hourly Precipitation Data

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundreths at local standard time. **HPD** includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

Climatological Data

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

Storm Data

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

Monthly Climatic Data for the World

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

Local Climatological Data

LCD summarizes temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains the 3 hourly weather observations for that month and an hourly summary of precipitation. Annual **LCD** publications contain a summary of the past calendar year as well as historical averages and extremes.

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