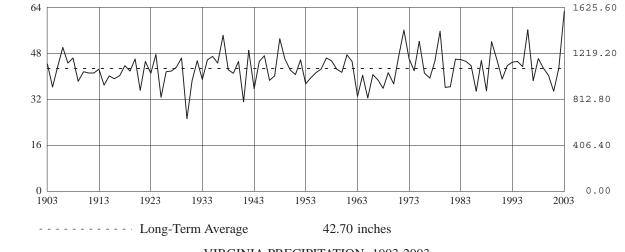
CLIMATOLOGICAL DATA ANNUAL SUMMARY

VIRGINIA

2003

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VIRGINIA PRECIPITATION, 1903-2003

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DIRECTOR

Thoma R Karl

NATIONAL CLIMATIC DATA CENTER

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National Climatic Data Center Asheville, North Carolina MILLIMETERS

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STATION	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
TIDEWATER 01												
BACK BAY WILDLIFE REFU	M 1.88		6.80	3.38	6.23	2.23	9.07	6.26	4.29	.34	5.10	1.59
EASTVILLE	3.15		5.18		4.50		5.03		4.74		3.06	
EMPORIA 1 WNW	2.61	-1.35	5.11	1.97	4.74	.58	5.32	1.98	6.83	2.95	3.88	.58
FREDERICKSBURG SEWAGE	M 2.22		M 3.26		4.72		3.63		6.87		M 3.88	
HAMPTON UNIVERSITY	2.93		5.67		6.69		7.25		4.09		4.05	
HOLLAND 1 E	3.42	98	5.48	2.08	3.44	95	6.60	3.20	7.14	3.07	4.10	.49
HOPEWELL	2.78	-1.31	M 4.42		5.45	1.17	5.58	2.15	6.98	2.93	5.72	2.92
LANGLEY AIR FORCE BASE	2.64	-1.44	4.41	.81	4.00	73	M	2 01	M	00	M	2.4
NORFOLK INTL AP R	2.34	-1.59	5.25	1.91	2.91	-1.17	6.39	3.01	4.66	.92	3.43	34
NORFOLK SOUTH	2.55		5.80		4.48		7.89 6.02		5.38 5.84		4.69	
NORTH			5.80	1 04		22		1 00		1 04	3.38 2.94	10
PAINTER 2 W			4.70	1.84	4.66	.22	5.10	1.99	4.55 M 7.45	1.04		12
STONY CREEK 1 E	M 1.22 3.00	-1.07	5.35	1.36	M 4.97 3.28	-1.13	M 6.34 6.63	3.31	M 7.45 6.52	2.66	M 4.29 3.96	06
SUFFOLK LAKE KILBY WAKEFIELD 1 NW	2.85	-1.07	5.73	2.86	5.83	1.51	6.82	3.43	5.37	1.14	5.22	1.60
	2.85		5.73 M	2.86	4.88		3.56	1		5.36	4.87	
WALKERTON 2 NW WALLACETON LK DRUMMOND	4.29	-1.42 55	6.20	2.08	4.88	.65 47	6.69	2.98	9.42 5.59	1.12	4.87 7.87	1.29 4.18
WARSAW 2 NW	1.65	-1.84	5.11	2.29	4.17	.58	3.10	.19	8.19	3.68	5.72	2.32
WEST POINT 2 NW	2.50	-1.51	5.75	2.59	4.56	.12	5.08	1.88	6.99	2.94	4.67	1.02
WILLIAMSBURG 2 N	3.05	-1.51	6.30	2.85	5.74	1.10	6.25	3.01	4.83	.32	4.87	.90
DIVISIONAL DATA>	2.70	92	5.45	2.09	4.75	.86	5.84	2.85	6.04	2.15	4.32	.59
EASTERN PIEDMONT 02	2.70	92	5.45	2.09	4.75	.00	5.04	2.05	0.04	2.15	4.32	.59
AMELIA 4 SW	2.14	-1.67	5.26	2.04	M 3.57		М		М			
AMELIA 4 SW AMELIA 8 NE	2.14	-1.07	5.20	2.04	M 3.37		1*1		1*1			
ASHLAND	1.52	-2.22	5.61	2.38	3.96	28	4.12	.86	7.60	3.45	7.68	4.39
BREMO BLUFF	2.19	-1.25	5.25	2.09	5.68	1.76	4.32	1.19	10.11	6.00	4.80	1.44
BUCKINGHAM	1.38	-2.28	6.04	2.84	M 6.12	1.70	4.32	1.06	9.24	4.79	4.60	1.18
CAMP PICKETT	1.87	-2.44	5.13	1.91	5.84	1.58	5.46	1.80	13.79	9.68	6.34	2.52
CHASE CITY	M 1.87	2.11	M 4.41	1.71	6.89	2.75	5.84	2.14	5.87	1.81	5.89	2.21
CLARKSVILLE	1.47	-2.62	M 4.77		7.70	3.77	5.45	2.14	10.51	6.48	6.55	2.61
CORBIN	M 1.84	1 2.02	7.14	3.97	4.98	.77	3.51	.25	6.29	2.27	5.90	2.30
CROZIER	1.54	-2.27	5.91	2.96	5.19	1.40	4.16	.75	7.77	3.49	4.58	.87
FARMVILLE 2 N	1.38	-2.65	5.39	2.07	M 4.66		4.54	1.19	8.41	4.15	5.92	2.69
GORDONSVILLE 3 S	M 2.24		M 2.61		M 7.55		3.36	.17	M		M	
JOHN H KERR DAM	3.26	61	4.63	1.63	5.35	1.09	4.89	1.63	6.80	2.82	4.81	1.27
KEYSVILLE 2 S	M .40		2.85	.31	6.86	3.58	5.19	2.30	8.71	5.37	6.74	4.42
LAWRENCEVILLE 3 E	3.51	38	M 6.82		M 4.97		5.54	2.26	M 7.91		M 6.92	
LOUISA	M 2.64		7.38	4.38	5.27	1.42	3.83	.76	8.92	5.00	8.29	4.54
PALMYRA 1 E	M 1.92		7.23	4.31	5.39	1.78	3.60	.56	M 7.87		4.69	1.06
PETERSBURG							5.09		M 5.88		5.85	
POWHATAN	1.87	-1.90	5.09	1.92	5.21	1.23	5.92	2.60	M 7.70		4.32	1.27
RICHMOND INTL AP R	2.18	-1.37	4.21	1.23	5.92	1.83	4.38	1.20	8.59	4.63	3.87	.33
SANDSTON	2.51		5.33		6.16		4.99		8.22		5.13	
WINTERPOCK 4 W	2.14	-2.09	5.52	2.23	6.16	1.87	4.82	1.59	11.23	7.38	6.32	3.28
DIVISIONAL DATA>	2.21	-1.15	5.71	2.45	5.51	1.77	4.51	1.43	8.40	4.42	5.67	2.04
WESTERN PIEDMONT 03												
ALTAVISTA												
APPOMATTOX	M 1.02		M 7.14		M 2.87		5.35	1.77	10.19	5.68	M 6.07	
BEDFORD	M 1.56		M 2.92		M 3.96		6.12	2.34	9.98	5.41	8.46	4.22
BEDFORD 4 NW												
BROOKNEAL	2.46	-1.70	5.80	2.51	5.42	1.29	4.72	1.20	10.80	6.72	6.35	3.10
CHARLOTTE COURT HOUSE	M 2.60		M 3.11		M 6.81		5.71	2.12	9.83	5.76	6.42	3.06
CHARLOTTESVILLE 2 W	2.73	98	7.64	4.34	4.98	.93	3.69	.35	8.75	3.89	7.12	2.66
CHATHAM	2.54	-1.38	7.22	3.95	5.68	1.28	5.69	1.96	7.01	2.94	7.70	3.94
CONCORD 4 SSW	1.76	-2.16	6.34	2.96	5.49	1.39	4.55	1.11	8.51	4.33	6.01	2.39
DANVILLE	M 2.14		4.73	1.32	M 5.79		4.83	1.00	7.73	3.77	10.36	6.86
FREE UNION	2.87	54	M 7.35		4.91	1.17	3.92	.53	8.05	3.47	7.38	3.05
HOLCOMB ROCK												
HOLLIDAY LAKE												
HUDDLESTON 4 SW	2.31	-1.39	5.65	2.48	4.92	.92	5.84	2.28	7.26	3.28	8.58	5.20
LYNCHBURG NO 2	M 1.85	1	6.28	1	4.32	1	4.65		10.97		7.60	1

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TIDEWATER 01 BACK BAY WILDLIFE REFU EASTVILLE EMPORIA 1 WNW FREDERICKSBURG SEWAGE HAMPTON UNIVERSITY	5.52 14.71 4.90 4.26 8.43	1.01	4.85 9.99 M 6.07 1.67 5.94	54	M 8.99 6.06 10.39 9.05 11.38	6.18	M 2.90 2.81 3.41 3.97	65	M 1.69 2.27 1.91 6.43 3.96	-1.07	M 7.00 6.69 4.95 5.07 5.24	1.90	68.28 M 59.52 M 54.47 69.60	
HOLLAND 1 E HOPEWELL LANGLEY AIR FORCE BASE	4.98 7.87	27 3.37	3.50 M 7.60 M	-1.79	11.81 13.00 M	6.97 8.27	4.40 2.68	.48 89	2.41 4.22 M	71 .93	6.52 4.87	3.14 1.72	63.80 M 71.17	14.73
NORFOLK INTL AP R NORFOLK SOUTH	8.56 8.44	3.39	6.08 7.24	1.29	9.54 9.75	5.48	3.91 4.37	.44	2.45 2.64	53	6.24 6.65	3.21	61.76	16.02
NORTH PAINTER 2 W STONY CREEK 1 E	8.11 M 3.41	-1.13	M 4.64 6.81 5.51	2.88 1.08	5.22 4.56 10.57	.87 6.15	3.07 4.59 3.15	1.07 35	2.52 1.79 M 2.52	-1.31	M 4.71 7.28 5.37	3.94 2.45	M 56.34 M	
SUFFOLK LAKE KILBY WAKEFIELD 1 NW WALKERTON 2 NW	4.51 3.15 9.17	48 -1.36 4.65	4.59 9.35 2.83	90 5.00 70	9.72 11.11 6.98	4.76 6.37 3.02	4.13 3.15 2.55	.49 13 81	1.92 2.99 3.93	-1.19 .23 .75	5.65 4.94 4.34	2.38 2.10 1.08	59.26 66.51	10.55 21.46
WALLACETON LK DRUMMOND WARSAW 2 NW WEST POINT 2 NW	5.74 5.60 8.30	19 .95 3.82	5.09 7.08 5.68	08 2.96 1.49	9.61 10.27 12.99	5.37 5.92 8.36	3.94 3.04 2.96	26 47 61	2.29 3.60 3.67	-1.21 .53 .50	6.66 3.90 4.42	2.93 .87 1.21	68.14 61.83 67.57	15.90 17.98 21.81
WILLIAMSBURG 2 NDIVISIONAL DATA> EASTERN PIEDMONT 02 AMELIA 4 SW	10.21	4.87 2.64	M 7.78 5.79	1.41	11.06 9.62	6.10 5.81	3.50 3.45	11 .30	2.55 3.08	84 02	5.86 5.50	2.52 2.20	M 71.41 63.61	19.96
AMELIA 8 NE ASHLAND BREMO BLUFF	7.88 7.82 4.78 7.88	3.56 .71 3.65	M 5.92 M 3.50	2.08	M 11.53 9.58	7.57 6.13	M 2.44 2.45	98 -1.54	4.19 3.36 4.06	.06	M 4.73 M 4.00	1.38	66.29 M 60.72	22.25
BUCKINGHAM CAMP PICKETT CHASE CITY CLARKSVILLE	7.88 6.67 5.11 M 8.90	2.28 1.02	5.38 6.67 7.44 4.40	1.39 2.48 3.73 1.25	9.40 10.67 9.48	5.20 6.51 5.27	2.92 2.81 2.71 3.28	-1.01 -1.16 -1.17 19	3.87 3.32 2.45 M 2.30	.20 .08 93	3.93 4.53 3.74 4.08	.80 1.35 .49 1.09	M 65.08 73.10 M 61.70	26.59
CORBIN CROZIER FARMVILLE 2 N GORDONSVILLE 3 S	M 3.76 5.81 4.85	2.08 .66	M 1.24 3.75 2.54	33 -1.32	12.89 8.97 10.75	8.92 5.17 6.81	3.18 2.40 2.35	71 -1.47 -1.47	6.61 M 2.67 3.74	3.28	M 4.70 5.24 3.24	2.02 .04	M M 57.99 M 57.77	
JOHN H KERR DAM KEYSVILLE 2 S LAWRENCEVILLE 3 E	6.99 5.22 M 3.90	2.36 1.54	5.55 4.58 5.20	1.54 2.10 .97	9.02 10.86 M 10.15	5.26 7.43	2.15 2.62 2.67	-1.52 20 -1.01	2.77 3.08 M 2.51	33 .47	5.27 3.91 4.04	2.27 1.30 .92	61.49 M 61.02 M	17.41
LOUISA PALMYRA 1 E PETERSBURG	4.55 5.48 5.69	.10 1.20	3.88 2.49 7.18	.25 -1.49	10.26 8.86 M 13.10	6.21 5.03	3.69 2.85 3.22	19 -1.02	6.89 4.89 2.98	3.07 1.70	5.97 4.33 4.80	2.85 1.49	M 71.57 M 59.60	
POWHATAN RICHMOND INTL AP R SANDSTON	9.33 9.26 10.31	5.08 4.59	4.54 4.66 4.38	.81 .48	11.50 10.12 12.18	8.14 6.14	2.13 2.43 2.53	-1.29 -1.17	4.07 3.39 3.57	.61 .33	6.60 4.28 4.84	3.30 1.16	M 68.28 63.29 70.15	19.38
WINTERPOCK 4 WDIVISIONAL DATA> WESTERN PIEDMONT 03	5.26 6.55	.80 2.35	3.12 4.97	43 .80	13.59 10.36	9.49 6.95	2.49	-1.30 -1.06	3.01 4.02	32 .60	4.60 4.58	1.39	68.26 65.20	23.89 21.93
ALTAVISTA APPOMATTOX BEDFORD BEDFORD 4 NW	10.36 7.50	5.88 2.96	7.76 8.50	3.99 4.99	9.22 4.50	4.77 .55	2.27 2.28 M 1.41	-1.40 -1.58	M 3.89 4.90 M 2.68	1.29	2.41 M 3.83 M 2.47 M 3.45	79	M M	
BROOKNEAL CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	7.94 M 6.17 7.52	3.60 2.58	2.97 3.26 7.23	86 46 3.09	9.52 11.75 10.91	5.90 7.47 6.06	2.76 2.78 4.14	96 -1.21 08	4.12 M 5.11 5.32	.98 1.58	M 3.45 3.94 M 3.22 4.52	.78 1.26	66.80 M 74.55	22.56 25.68
CHATHAM CONCORD 4 SSW DANVILLE	M 6.03 9.18 5.56	5.00 1.12	7.66 2.17 5.07	4.32 -1.05 1.53	8.42 13.15 8.68	3.90 8.92 4.60	2.67 2.04 2.79	-1.00 -1.71 92	M 2.12 M 4.09 M 1.92		4.11 3.79 3.68	.82 .62 .52	M 66.85 M 67.08 M 63.28	23.00
FREE UNION HOLCOMB ROCK HOLLIDAY LAKE HUDDLESTON 4 SW	6.54	1.46 2.59	7.56 5.68	3.66 2.45	10.33	5.96 01	3.20 2.35	77 -1.16	5.18 4.54	1.23	M 4.29 M M 4.17 3.87	.81	M 71.58	18.65
LYNCHBURG NO 2	6.54	1	5.72	İ	6.29	1	2.57	İ	3.63	İ	3.54	İ	M 63.96	İ

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LYNCHBURG INTL AP R	1.53	-2.01	5.75	2.65	4.16	.33	5.32	1.86	8.17	4.06	5.71	1.92
MARTINSVILLE FILTER PL	2.62	-1.18	6.43	3.05	6.79	2.33	5.50	1.77	6.37	2.05	8.16	4.21
MEADOWS OF DAN 5 SW	M 2.17		7.15	3.44	5.20	.07	6.50	1.71	5.57	.32	18.13	13.15
MONTICELLO	2.34 M 1.54	23	7.05 6.75	4.65	M 3.81 4.29	2.0	3.46 M 2.94	.57	9.53 8.90	5.47	M 7.95 7.07	2 05
PEDLAR DAM PHILPOTT DAM 2	M 1.54 M .95		6.75 M 6.14	3.66	4.29	.36	M 2.94 4.82	1.00	8.90 M 4.62	4.26	7.07 M 6.05	3.27
ROCKY MOUNT	M 1.42		M 5.67		M 5.28	.31	6.76	2.63	M 6.52		M 6.27	
SOUTH BOSTON	1.99	-2.17	5.76	2.42	6.64	2.50	5.32	1.40	11.50	8.16	6.84	2.83
STUART	1.79	-2.24	M 4.93	2.12	5.14	.55	6.77	2.25	6.82	1.80	12.71	8.24
TYE RIVER 1 SE	1.87	-1.88	6.67	3.41	4.47	.42	4.77	1.31	10.70	5.89	8.31	4.75
WOOLWINE 4 S	2.45	-2.14	M 7.99		M 5.25		8.15	3.56	M 6.48		8.72	4.11
DIVISIONAL DATA>	2.21	-1.01	6.33	3.03	5.25	1.39	5.22	1.79	9.17	4.92	7.98	4.32
NORTHERN 04												
BIG MEADOWS	M 3.72		M 7.61		M 4.13		M 3.87		7.56	2.46	M 5.92	
BOSTON 4 SE	M 2.72		M 6.61		3.76		3.48		6.29		6.35	
EDINBURG FRONT ROYAL	1.68 M 3.11		3.91 6.20		2.72 M 3.70		3.08 3.98		5.42 4.96		6.51 8.17	
LINCOLN	M 3.11		4.79	2.32	M 3.70	39	2.95	53	4.96 8.68	4.23	8.17 M 8.00	
LURAY 5 E	1.95	-1.13	M 3.94	2.32	M 3.58	39	3.82	.67	5.21	1.29	6.32	2.34
MADISON	1.55	1	5.51		M 5.11		M 3.41		7.47	1.25	9.45	2.51
MOUNT WEATHER	M 1.88		M 4.88		M 2.02		M 2.00		M 7.12		7.94	3.81
PIEDMONT RESEARCH STN	2.36	96	6.56	3.74	4.36	.64	3.21	01	6.51	2.18	7.28	3.22
SOMERSET	4.18		6.51		4.40		2.68		7.19		7.51	
SPERRYVILLE	3.02		7.60		4.68		3.88		6.80		M 7.15	
STAR TANNERY	3.42		4.48		3.15		4.04		5.66		7.14	
STERLING RCS	3.20	05	6.80	4.09	4.62	.95	3.02	26	8.36	3.94	9.02	5.43
THE PLAINS 2 NNE VIENNA	M M 2.55		6.30	3.45	4.13	1.0	3.10	0.7	7.07	2 47	7.35	3.57
WARRENTON 3 SE	M 2.55		0.30	3.45	4.13	.16	3.10	27	7.07	2.47	7.35	3.57
WASHINGTON DULLES INTL R	2.69	36	6.27	3.50	3.69	.14	2.71	51	8.71	4.49	8.33	4.26
WASHINGTON REAGAN AP R	2.41	80	6.98	4.35	4.20	.60	2.55	22	7.06	3.24	7.87	4.74
WINCHESTER	2.35	39	5.36	3.21	2.88	57	3.61	.73	6.34	2.69	6.10	2.45
WINCHESTER 7 SE	2.01	65	6.38	3.98	3.28	05	3.72	.71	5.65	1.72	6.07	1.97
WOODSTOCK 2 NE	2.60	30	6.63	4.21	M 2.61		3.81	1.14	7.07	3.25	7.37	3.72
DIVISIONAL DATA>	2.66	04	6.06	3.37	3.78	.57	3.35	.21	6.78	2.70	7.42	3.72
CENTRAL MOUNTAIN 05												
BUCHANAN	M 1.51		M 3.98	2 00	4.57	.80	5.42	2.07	11.83	7.72	7.07	3.59
BUENA VISTA	M 1.48 1.37	1 10	6.55 5.92	3.89	4.03 2.46	.54 88	3.72 3.59	.52	8.68 7.67	4.79 3.57	4.74 6.63	1.37
COVINGTON FILTER PLANT CRAIGSVILLE 2 S	M 1.45	-1.19	5.92 6.41	3.50	2.46	88	3.59 4.56	1.11	7.67 6.25	1.71	6.63 7.71	3.37
DALE ENTERPRISE	1.29	-1.26	5.85	3.71	3.37	.51	3.37	.73	5.87	2.20	6.61	3.05
EARLEHURST	M 1.57	1.20	M 3.91	3.71	M 2.37	.51	4.08	.64	10.09	5.94	5.32	2.09
FINCASTLE 7 NE												
GATHRIGHT DAM	1.41	-1.71	6.32	3.65	2.10	-1.35	3.04	04	7.22	3.17	9.51	6.09
GLASGOW 1 SE	2.69	-1.61	7.37	3.82	5.15	.60	4.47	.37	9.28	4.32	5.86	1.45
GOSHEN	2.52	-1.07	M 5.23		2.57	-1.50	M 3.24		7.33	2.67	M 8.48	
HOT SPRINGS	2.09	-1.53	6.80	3.86	2.84	-1.23	4.32	.97	8.68	4.36	7.58	4.05
KERRS CREEK 6 WNW	M 1.81		M 6.38		M 1.55		3.34	41	7.86	3.29	6.94	2.90
LEXINGTON	2.28	74 -1.94	5.57 7.40	2.80 4.52	3.45 2.67	08 -1.36	3.44 4.62	1.02	8.09 7.43	4.13	5.87 7.69	1.79
MILLGAP 2 NNW MOUNTAIN GROVE	1.54	-1.94	7.40	4.54	2.67	-1.30	4.62	1.02	7.43	2.78	7.69	3.62
MUSTOE 1 SW	1.87		7.40		2.70		4.29		7.10		5.92	
ROANOKE 8 N	1.76		5.95		3.69		4.81		10.09		7.55	
ROANOKE INTL AP R	1.44	-1.79	5.80	2.72	3.52	32	4.99	1.38	10.11	5.87	6.31	2.63
STAUNTON SEWAGE PLANT	M		M 5.17		M		4.21	1.29	7.02	3.21	7.77	4.20
WAYNESBORO SEWAGE	1.32		M 4.93		M 3.31		5.21		M 6.99		7.12	
DIVISIONAL DATA>	1.64	92	6.36	3.67	3.22	01	4.23	1.17	8.32	4.45	6.95	3.68
SOUTHWESTERN												
MOUNTAIN 06	M 0 60		м 5 50		0.56	1 01	E 45	1 7.	4 10		. 10	2 00
ABINGDON 3 S ALLISONIA 2 SSE	M 2.68 1.52	-1.55	M 7.50		2.56	-1.91	5.47	1.74	4.18	75	7.13	3.02
BIG STONE GAP	2.00	-1.55	11.81	7.47	1.69	-3.26	7.70	3.05	5.53	30	7.32	3.46
DIG DIONE GAR	1 2.00	, -Z.OI	11.01	1.4/	1.09	-3.20	7.70	. 3.05	5.53	30	1.32	3.40

VIRGINIA

2003	101	.7112 1 10		110117		71111 01			MIAL (1	TTOTIES	,,			
CTATION	Л	JL	AU	JG	Sl	EP	00	CT	NC	V	DI	EC	ANN	UAL
STATION	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
LYNCHBURG INTL AP R	8.31	3.92	3.56	.15	7.13	3.25	2.28	-1.11	3.64	.46	3.35	.12	58.91	15.60
MARTINSVILLE FILTER PL	6.38	1.96	5.06	1.56	6.78	2.51	1.65	-1.82	3.36	.31	4.27	1.01	63.37	17.76
MEADOWS OF DAN 5 SW	9.53	4.63	8.50	3.88	6.25	1.11	3.61	77	7.04	2.67	M 3.69		M 83.34	
MONTICELLO	7.63	2.44	9.37	5.49	12.25	7.91	M 3.40	1	M 4.79	1 2.07	M 3.92		M	
PEDLAR DAM	2.38	-1.78	9.11	5.83	8.06	3.91	3.32	14	5.21	1.64	3.17	24	M 62.74	
PHILPOTT DAM 2	7.99	2.90	6.53	1.88	4.33	36	1.47	-2.52	4.79	1.43	3.66	.34	M 02.74	1
ROCKY MOUNT	7.27	2.40	M 7.25	1.00	M 4.95	30	2.07	-1.44	4.79	1.25	M 3.38	.54	M	
SOUTH BOSTON	4.74	.39	3.52	.10	7.89	4.05	2.72	-1.44	2.44	67	4.61	1.47	63.97	19.56
		.39						92	4.92	1.34		1		19.56
STUART	M 8.00	0.1	8.62	4.23	4.77	.03	M 2.96	0.5			3.92	.34	M 71.35	01 50
TYE RIVER 1 SE	4.51	.21	7.55	3.98	7.39	3.04	3.00	95	4.71	1.22	3.52	.13	67.47	21.53
WOOLWINE 4 S	6.15	2.00	6.34	2.30	M 3.71		2.35	-1.89	4.86	.73	4.70	.80	M	
DIVISIONAL DATA>	7.10	2.54	6.16	2.05	7.99	4.25	2.55	-1.47	4.21	.86	3.92	.66	68.09	23.33
NORTHERN 04														
BIG MEADOWS	M 5.47	į	4.26	10	10.98	4.94	2.01	-3.12	2.46	-2.41				
BOSTON 4 SE	7.06		M 5.61		8.47		4.07		3.35		4.60		M 62.37	
EDINBURG	6.39	1	4.05		7.38		1.62	1	3.17		2.97		48.90	
FRONT ROYAL	5.68	-	2.53		11.13		M 2.44	!	3.80		M 3.47		М	
LINCOLN	6.19	2.51	4.21	.39	10.09	5.93	4.05	.67	4.34	.82	4.25	1.14	M 63.51	
LURAY 5 E	м 0.13	2.51	3.90	.39	14.98	10.63	2.25	-1.24	3.96	.47	M 4.82	1	11 03.31	
MADISON	4.16	İ	7.28		9.93	10.03	4.00	1.27	M 4.50	•=/	M 2.37			
	5.29	1.39	4.03	.37	11.85	7.55	3.43	24				11		
MOUNT WEATHER				1				24	M		3.12	.11		
PIEDMONT RESEARCH STN	4.51	31	4.05	.28	10.64	6.78	3.36	57	5.76	2.05	4.47	1.39	63.07	18.43
SOMERSET	M		4.47		9.97		3.42		5.92		3.68			
SPERRYVILLE	4.90		5.90		10.92		2.41		M 4.08		5.40		M 66.74	
STAR TANNERY	4.36		M 2.28		7.68		2.39		3.96		M 3.62		M 52.18	
STERLING RCS	5.78	2.35	4.00	.36	7.80	3.81	4.74	1.04	6.06	2.61	4.25	1.20	67.65	25.47
THE PLAINS 2 NNE											M 5.13			
VIENNA	7.30	2.97	3.88	18	7.11	2.62	4.26	.68	5.42	1.93	5.83	2.64	M 64.30	
WARRENTON 3 SE	M		M		M		M		3.48	.01	M 3.19			
WASHINGTON DULLES INTL R	6.06	2.49	5.55	1.77	7.26	3.44	4.63	1.26	5.20	1.89	4.57	1.50	65.67	23.87
WASHINGTON REAGAN AP R	5.76	2.10	4.65	1.21	6.87	3.08	3.93	.71	4.23	1.20	4.32	1.27	60.83	21.48
WINCHESTER	4.87	1.82	1.82	-1.00	7.63	4.28	2.77	19	4.33	1.14	3.67	1.16	51.73	15.33
WINCHESTER 7 SE	6.98	3.32	4.68	1.08	8.41	4.82	2.54	62	3.89	.83	3.74	1.14	57.35	18.25
WINCHESIER / SE WOODSTOCK 2 NE	6.19	2.56	3.36	.10	8.66	5.00	1.95	-1.17	3.18	.33	M 2.50	1.14	M 55.93	10.25
												1.00		00.05
DIVISIONAL DATA>	5.72	1.86	4.27	.43	9.36	5.84	3.21	36	4.27	.79	4.22	1.26	61.10	20.35
CENTRAL MOUNTAIN 05		1				1		İ		1		}		1
BUCHANAN	5.74	1.18	5.42	1.96	7.56	3.79	1.96	-1.33	M 4.38		M 5.29		M	
BUENA VISTA	3.69	17	6.59	3.62	8.63	5.21	2.00	-1.18	6.90	3.73	M 3.95		M 60.96	
COVINGTON FILTER PLANT	3.68	.02	2.49	85	8.58	5.56	1.45	-1.40	5.74	2.61	M 2.16		M 51.74	
CRAIGSVILLE 2 S	4.85	.18	3.76	.40	6.64	2.84	2.06	-1.42	6.58	3.23	3.87	.75	M 57.00	
DALE ENTERPRISE	5.33	1.55	6.31	2.89	7.72	4.22	1.76	-1.06	2.90	.14	2.88	.46	53.26	17.14
EARLEHURST	5.69	1.88	2.76	68	6.32	3.04	2.46	53	M 6.03		M 1.94		M	
FINCASTLE 7 NE											3.44			
GATHRIGHT DAM	5.29	1.66	3.40	.23	8.38	5.19	1.85	-1.17	5.03	2.01	M 2.34		M 55.89	
GLASGOW 1 SE	3.91	10	8.17	4.69	9.70	5.12	2.29	-1.59	6.41	2.16	5.01	1.42	70.31	20.65
GOSHEN	6.43	2.22	5.18	1.76	7.25	3.52	2.29	-1.45	5.82	2.10	6.65	3.60	M 62.79	20.00
HOT SPRINGS	6.43	1.87	4.13	.72	9.07	5.37	2.09	-1.45	7.43	3.83	3.24			21.55
												.49	64.46	21.55
KERRS CREEK 6 WNW	3.41	95	3.13	50	8.03	4.28	1.48	-2.16	7.32	3.53	M 3.20		M	10
LEXINGTON	3.40	48	7.41	4.36	8.81	5.33	1.46	-1.62	6.39	3.36	3.58	.67	59.75	19.79
MILLGAP 2 NNW	5.10	.78	3.31	48	8.70	5.39	2.92	21	6.68	3.28	3.37	.16	61.43	17.56
MOUNTAIN GROVE		!						!			M 1.88			
MUSTOE 1 SW	3.92	İ	3.27		7.86		2.89	į	6.18		3.87		57.27	
ROANOKE 8 N	7.49	1	7.04		4.88		1.62	İ	4.63		M 2.66		M 62.17	
ROANOKE INTL AP R	5.16	1.16	4.03	.29	4.32	.47	1.49	-1.66	4.14	.93	2.95	.09	54.26	11.77
STAUNTON SEWAGE PLANT	4.15	.33	8.69	5.19	9.84	6.06	1.80	-1.57	4.08	1.13	2.80	.31		
WAYNESBORO SEWAGE	5.11		5.17	1	11.50	1	2.55	1,	7.55	1	5.05		M 65.81	
DIVISIONAL DATA>	4.94	1.02	5.17	1.44	8.14	4.76	1.99	-1.71	5.64	2.47	3.47	.67	60.07	20.69
SOUTHWESTERN	4.94	⊥.∪∠	3.1/	1.44	0.14	4.70	1.33	-1./1	3.04	2.4/	3.4/	.0/	50.07	20.09
								İ						
MOUNTAIN 06		1 00	- 06	7 44	2 00	1.0	1	1 00	M 5 00			1 20	M F4 66	
ABINGDON 3 S	5.88	1.06	5.06	1.44	3.80	.18	1.66	-1.08	M 5.99		2.69	-1.38	M 54.60	
ALLISONIA 2 SSE														
BIG STONE GAP	7.56	3.25	3.26	63	5.23	1.28	2.00	-1.45	6.55	2.55	4.13	39	64.78	12.42

BLACKSBURG NWSO R	79
BLACKSBURG NWSO R	79
BLAND 2.80 76 6.78 8.89 1.68 2.36 -1.39 4.44 1.09 4.78 4.49 5.10	49
BEREAKS INTERSTATE PARK BURKES GARDEN M 3.01 M 7.74 BYLLESBY DAM M 1.84 M 3.75 M 6.67 BYLLESBY DAM M 1.84 M 3.75 M 6.67 BYLLESBY DAM M 1.84 M 3.75 M 6.67 BYLLESBY DAM M 1.84 M 3.75 M 6.67 S.14 M 2.59 T.24 S.49 T.29 T.20 T.21 M 9.22 T.20 T.21 M 9.22 T.21 T.21 M 9.22 T.22 T.23 M 6.24 T.23 T.23 T.24 T.25 T.24 T.25 T.24 T.25 T.24 T.25 T.24 T.27 T.27 T.28 T.28 T.28 T.28 T.28 T.29	5.71 6.37 91 M 9.22 7.30 6.78 87 7.72 3.23 37 7.32 3.49 04 8.21 4.15 86 M 4.74 M 6.45 13 M 6.44 49 M 4.49 7.15 3.64 39 5.41 49 M 4.49 7.15 3.64 39 5.44 1.55 9.50 5.93 43 6.24 1.65 9.23 4.72 49 M 5.96 42 5.29 2.07 7.82 4.38 60 7.43 3.50 7.17 7.82 4.38 60 7.43 3.50 7.17 2.78 66 8.41 4.45 19 5.55 19 03 6.34 2.94
BULLESEY DAM M 1.84 M 1.84 M 3.75 CHRISTIANSBURG 1.12 BUNDY M 1.89 HILLSYILLE HULLSYILLE	
BYILESBY DAM CHISTIANSBURG 1.12 CHISTIANSBURG 1.12 CHISTIANSBURG 1.12 CHISTIANSBURG CHISTIANSBURG 1.12 CHISTIANSBURG COPPER HILL 1.82 -1.61 6.83 8.08 1.50 7.56 7.24 6.87 7.72 7.72 7.72 7.72 6.72 7.72 6.72 7.72 6.72 6	91 M 9.22 7.30 6.78 87 7.72 3.23 37 7.32 3.49 04 8.21 4.15 86 M 4.74 74 M 6.45 13 M 6.44 5.41 49 M 4.49 15 7.15 3.64 39 5.44 1.55 9.50 5.93 43 6.24 1.65 9.23 4.72 49 M 5.96 42 5.29 2.07 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 19 5.52 1.51 10 6.34 2.94
CHRISTIANSBURG	7.30 6.78 7.72 3.23 7.32 3.49 8.21 4.15 86 M 4.74 74 M 6.45 13 M 6.44 5.41 49 M 4.49 15 7.15 3.64 39 5.44 1.55 9.50 5.93 43 6.24 1.65 9.23 4.72 49 M 5.96 42 5.29 2.07 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
CLINTWOOD 1 W COPPER HILL	6.78 7.72 3.23 3.49 04 8.21 4.15 86 M 4.74 74 M 6.45 13 M 6.44 5.41 49 M 4.49 15 3.64 39 5.44 1.55 9.50 43 6.24 1.65 49 9.23 4.72 49 M 5.96 42 5.29 2.07 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
COPPER HILL	87 7.72 3.23 4.93 7.32 3.49 8.21 4.15 86 M 4.74 74 M 6.45 13 M 6.44 5.41 49 M 4.49 15 7.15 3.64 39 5.44 1.55 9.50 5.93 43 6.24 1.65 9.54 9.23 4.72 49 M 5.96 42 5.29 2.07 7.82 4.38 60 7.43 3.50 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
FLOYD 2 NE	37 7.32 3.49 8 8.21 4.15 86 M 4.74 74 M 6.45 13 M 6.44 5.41 49 M 4.49 15 7.15 3.64 39 5.44 1.55 25 9.50 5.93 43 6.24 1.65 49 9.23 4.72 49 M 5.96 42 5.29 2.07 77 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 19 5.52 1.51
GALAX RADIO WBRF M 2.73 M 6.24 S.33 1.30 6.40 2.69 4.66 .04 8.21 GLEN LYN M 1.29 M 5.51 M 2.59 M 3.37 6.57 2.86 M 4.74 GRUNDY 1.89 -1.62 8.14 5.02 1.15 -2.83 5.68 1.65 6.61 1.74 M 6.45 HILLSVILLE 2.66 99 M 4.95 M 4.30 5.10 1.03 4.73 .13 M 6.44 HURLEY 4 S 2.71 8.57 1.49 5.90 5.60 LAFAYETTE 1 NE 1.41 -1.80 6.59 3.75 3.31 12 4.86 1.42 7.11 3.15 7.15 LEBANON 2.61 25 6.25 2.73 1.78 -2.29 5.25 2.02 5.90 1.39 5.44 NEWPORT 2 NNW 1.62 -1.25 6.27 3.69 2.36 89 2.97 43 8.50 4.25 9.50 NORTH FORK LAKE 2.08 -1.67 8.10 4.63 1.58 -2.72 7.19 3.25 6.44 1.43 6.24 PENNINGTON GAP 2.16 -2.16 9.96 5.68 1.36 -3.05 7.18 3.07 6.49 1.54 9.23 RICHLANDS 2.05 98 6.63 3.72 1.32 -3.00 4.79 2.06 4.11 42 5.29 SALTIVILLE 1 N 2.97 82 8.26 4.65 1.78 -2.55 5.72 1.87 4.69 1.7 7.82 SALTIVILLE 3 SSE 1.96 -1.91 5.62 2.06 3.52 68 4.37 7.2 5.88 1.15 7.17 WILLS 3 E 1.97 -1.93 9.82 6.08 1.80 -2.59 8.16 4.22 5.75 1.19 5.52 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WISHEY LLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34 WYTHEVILLE 1 S 1.86	04 8.21 4.15 86 M 4.74 74 M 6.45 13 M 6.44 49 M 4.49 15 7.15 3.64 39 5.44 1.55 25 9.50 5.93 43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
GLEN LYN	86 M 4.74 74 M 6.45 13 M 6.44 5.41 49 M 4.49 7.15 3.64 39 5.44 1.55 25 9.50 5.93 43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
HILLSVILLE HURLEY 4 S JOHN W FLANNAGAN LAKE LAFAYETTE 1 NE LAFAYETTE 1 NE LEBANON NORTH FORK LAKE NORTH FORK LAKE PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 1 N STAFFORDSVILLE 3 ENE TROUT DALE 3 SSE NT M 4.95 NA 4.30 1.49 NA 4.30 1.49 NA 4.30 1.49 NA 4.30 NA 4.40 NA	13 M 6.44
HURLEY 4 S JOHN W FILANNAGAN LAKE 2.08 -1.33 -1.33 -1.34 -1.35 -1.35 -1.35 -1.35 -1.35 -1.35 -1.36 -1.37 -1.37 -1.38 -1.39 -1.31 -1.31 -1.32 -1.31 -1.31 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.33 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.39 -1.39 -1.39 -1.39 -1.39 -1.39 -1.31 -1.31 -1.32 -1.31 -1.31 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.32 -1.33 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.39 -1.38 -1.38 -1.38 -1.38 -1.38 -1.38 -1.39 -1.38 -1.38 -1.39 -1.38 -1.38 -1.39 -1.38 -1.39 -1.38 -1.39 -1.39 -1.38 -1.39 -1.38 -1.38 -1.39 -1.39 -1.38 -1.38 -1.39 -1.39 -1.38 -1.38 -1.38 -1.39 -1.39 -1.39 -1.38 -1.38 -1.39 -1.38 -1.38 -1.39 -1.38 -1.39 -1.	5.41 49 M 4.49 15 7.15 3.64 39 5.44 1.55 25 9.50 5.93 43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
JOHN W FLANNAGAN LAKE	49 M 4.49 15 7.15 3.64 39 5.44 1.55 25 9.50 5.93 43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
LAFAYETTE 1 NE LEBANON 2.6125 6.25 2.73 1.78 -2.29 5.25 2.02 5.90 1.39 5.44 NEWPORT 2 NNW NORTH FORK LAKE 2.08 -1.25 6.27 3.69 2.3689 2.9743 8.50 4.25 9.50 NORTH FORK LAKE 2.08 -1.67 8.10 4.63 1.58 -2.72 7.19 3.25 6.44 1.43 6.24 PENNINGTON GAP PENNINGTON GAP PULASKI 1.51 -1.42 5.99 3.18 3.2113 M 4.04 3.5149 M 5.96 RICHLANDS SALTVILLE 1 N 2.9782 8.26 4.65 1.78 -2.55 -1.01 3.82 3.77 1.87 4.69 1.77 7.82 STAFFORDSVILLE 3 ENE 1.84 -1.32 M 6.03 TROUT DALE 3 SSE 1.96 -1.91 5.62 2.06 3.17 3.68 -47 M 4.92 WYTHEVILLE 1 S 1.86 -1.08 M 5.55 WYTHEVILLE 1 S 1.86 -1.08 M 5.55 3.1114 5.06 1.87 4.2403 6.34	15 7.15 3.64 39 5.44 1.55 25 9.50 5.93 43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
LEBANON NEWFORT 2 NNW NORTH FORK LAKE 1.62 2.08 -1.25 6.27 3.69 2.3689 2.9743 8.50 4.25 9.50 NORTH FORK LAKE 2.08 -1.67 8.10 4.63 1.58 -2.72 7.19 3.25 6.44 1.43 6.24 PENNINGTON GAP PULASKI 1.51 -1.42 5.99 3.18 3.2113 M 4.04 3.5149 M 5.96 RICHLANDS 2.0598 6.63 3.72 3.72 1.32 3.00 4.79 2.06 4.1142 5.29 SALTVILLE 1 N 2.77 STAFFORDSVILLE 3 ENE 1.84 -1.32 M 6.03 TROUT DALE 3 SSE 1.96 -1.91 5.62 2.06 3.5268 4.37 3.6847 M 4.92 5.0466 8.41 1.97 -1.93 9.82 6.08 M 5.55 WYTHEVILLE 1 S 1.86 -1.08 M 5.55 WYTHEVILLE 1 S	39 5.44 1.55 25 9.50 5.93 43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
NEWPORT 2 NNW	25 9.50 5.93 43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
NORTH FORK LAKE 2.08 -1.67 8.10 4.63 1.58 -2.72 7.19 3.25 6.44 1.43 6.24 PENNINGTON GAP 2.16 -2.16 9.96 5.68 1.36 -3.05 7.18 3.07 6.49 1.54 9.23 PULASKI 1.51 -1.42 5.99 3.18 3.21 13 M 4.04 3.51 49 M 5.96 RICHLANDS 2.05 98 6.63 3.72 1.32 -3.00 4.79 2.06 4.11 42 5.29 SALTVILLE 1 N 2.97 82 8.26 4.65 1.78 -2.55 5.72 1.87 4.69 .17 7.82 STAFFORDSVILLE 3 ENE 1.84 -1.32 M 6.03 2.55 -1.01 3.82 .35 7.76 3.60 7.43 TROUT DALE 3 SSE 1.96 -1.91 5.62 2.06 3.52 68 4.37 .72 5.88 1.15 7.17 WILLIS<	43 6.24 1.65 54 9.23 4.72 49 M 5.96 42 5.29 2.07 17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
PENNINGTON GAP	54 9.23 4.72 49 M.5.96
PULASKI 1.51 -1.42 5.99 3.18 3.21 13 M 4.04 3.51 49 M 5.96 RICHLANDS 2.05 98 6.63 3.72 1.32 -3.00 4.79 2.06 4.11 42 5.29 SALTVILLE 1 N 2.97 82 8.26 4.65 1.78 -2.55 5.72 1.87 4.69 .17 7.82 STAFFORDSVILLE 3 ENE 1.84 -1.32 M 6.03 2.55 -1.01 3.82 .35 7.76 3.60 7.43 TROUT DALE 3 SSE 1.96 -1.91 5.62 2.06 3.52 68 4.37 .72 5.88 1.15 7.17 WISE 3 E 1.97 -1.93 9.82 6.08 1.80 -2.59 8.16 4.22 5.75 1.19 5.52 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34	49 M 5.96 42 5.29 2.07 17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
RICHLANDS 2.0598 6.63 3.72 1.32 -3.00 4.79 2.06 4.1142 5.29 SALTVILLE 1 N 2.9782 8.26 4.65 1.78 -2.55 5.72 1.87 4.69 .17 7.82 STAFFORDSVILLE 3 ENE 1.84 -1.32 M 6.03 2.55 -1.01 3.82 .35 7.76 3.60 7.43 TROUT DALE 3 SSE 1.96 -1.91 5.62 2.06 3.5268 4.37 .72 5.88 1.15 7.17 WILLIS 1.38 -2.19 6.38 3.17 3.6847 M 4.92 5.04 .66 8.41 WISE 3 E 1.97 -1.93 9.82 6.08 1.80 -2.59 8.16 4.22 5.75 1.19 5.52 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.1114 5.06 1.87 4.2403 6.34	17 7.82 4.38 60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
STAFFORDSVILLE 3 ENE	60 7.43 3.50 15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
TROUT DALE 3 SSE	15 7.17 2.78 66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
WILLIS 1.38 -2.19 6.38 3.17 3.68 47 M 4.92 5.04 .66 8.41 WISE 3 E 1.97 -1.93 9.82 6.08 1.80 -2.59 8.16 4.22 5.75 1.19 5.52 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.11 14 5.06 1.87 4.24 03 6.34	66 8.41 4.45 19 5.52 1.51 03 6.34 2.94
WISE 3 E 1.97 -1.93 9.82 6.08 1.80 -2.59 8.16 4.22 5.75 1.19 5.52 WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.1114 5.06 1.87 4.2403 6.34	19 5.52 1.51 03 6.34 2.94
WYTHEVILLE 1 S 1.86 -1.08 M 5.35 3.1114 5.06 1.87 4.2403 6.34	03 6.34 2.94

STATION PRECIP. DEPART. DEPART. PRECIP. DEPART. DEPA
PRECIP DEPART PRECIP P
BREARS INTERSTATE PARK BREARS INTERSTATE PARK 4.80 3.61 BURKES GARDEN 5.85 1.47 4.83 .79 4.57 1.10 2.7437 6.60 3.46 4.03 5.70 5.70 5.70 BURKES GARDEN 5.85 1.47 4.83 .79 4.57 1.10 2.7437 6.60 3.46 4.01 6.00 M 56.81 BYLLESBY DAM 5.89 1.67 M 5.01 M 3.62 3.89 1.76 4.22 3.16 M 5.48 4.84 4.14 2.02 5.72 3.53 6.44 2.53 6.42 1.77 2.79 -1.22 5.72 1.90 4.72 1.93 6.657 1.90 4.72 1.93 6.657 1.90 4.72 1.93 6.657 1.90 4.72 1.93 6.657 1.90 4.72 1.90 4.72 1.93 6.657 1.90 6.72 1.90 6

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

2003	_		1111	710710	1			11 01		11 11		7 11 1			1010	1110										
STATION		N	FI	EB	MA	\R_	AF	PR	MA	Υ	JU	N	JU	L	AU	G	SE	EP	OC	T	NO	V	DE	<u>C</u>	ANN	UAL
STATION	IEMPERATURE	DEPARTURE	IEMPERATURE	DEPARTURE	MPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	IEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	MPERATURE	DEPARTURE	IEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	IEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE	TEMPERATURE	DEPARTURE
	H		Ħ		H		Ë	П	Ë	1	F	П	Ë	1	胃	1	Ë	1	H	П	Ħ		F		Ë	
VIRGINIA TIDEWATER 01 BACK BAY WILDLIFE REFU EASTVILLE EMPORIA 1 WNW	M 34.5 34.9		M M37.0 38.6		M M 50.2		M57.5 M53.5 57.4	.1	M 62.1 65.0	6	M 72.7 73.0	4	M M78.7 78.1	.2	M M78.3 78.7	2.5	M 72.7 70.9	. 9	M 59.9 58.6	.0	M 55.1 55.6	6.2	M M41.5 40.4	8	M M 58.5	.5
FREDERICKSBURG SEWAGE HAMPTON UNIVERSITY HOLLAND 1 E HOPEWELL	31.0 M 33.7 38.0	-4.0	32.6 M42.7 38.5 40.1	-1.8	46.7 M 49.4 53.7			8 .2		.0 -1.1	70.5 75.3 73.2 74.3	.3	77.1 80.7 78.5 79.7	1.4	78.1 80.8 78.9 80.1	3.5	69.0 M 71.3 73.0	1.5		8 .7		5.9 6.8		7 .1		.5
LANGLEY AIR FORCE BASE NORFOLK INTL AP R NORFOLK SOUTH	M35.1 36.3	-4.3	M39.2	-2.4	M50.6 51.6	1.8	M 58.0 58.0	.6	M 65.7 65.0	6	M 75.0 74.2	.5	M 80.2 79.3	1.1	M 80.3 79.5	2.9	73.0 M 74.1 73.0	2.0	M 62.0 60.8	.9	M 58.1 56.4	5.8	M 44.4 42.1	.2	M	.9
NORTH PAINTER 2 W STONY CREEK 1 E SUFFOLK LAKE KILBY	33.5 34.2 33.0 35.8	-4.1	M38.6	-1.6	M	2.0	54.9 56.0 M57.5 58.8	2 1 .7	62.1 62.5 M66.0 65.7		71.4 73.4 M73.7 74.0	1! -1.2! 2	77.1 M M77.6 78.4		M77.1 78.2 M79.3 79.4		M 72.0 M70.2 72.7	1.1 .2 1.4	М		M	4.5 5.5	M41.0	6 .7		5
WAKEFIELD 1 NW WALKERTON 2 NW WARSAW 2 NW WEST POINT 2 NW WILLIAMSBURG 2 N	33.7 33.7 34.9 34.8 35.5	-5.0 -3.4 -1.9 -3.5	38.3 M 38.0 37.3	-3.0 -1.8 -3.8	50.5 50.8 51.5 51.6	1.5 2.7 3.9 2.5	57.2 57.1 58.3 57.8		64.5 64.2 64.6 64.2	-1.1 -1.5 -1.0 -2.7	73.0 72.7 73.3 73.0 73.3	6 7 2 -1.7	78.4 77.8 79.0 78.5 78.4	2 .4 1.4 3	78.7 78.8 79.1 79.3	2.5 2.9	70.7 71.0 M70.2 71.2 71.8	1 1.4 .2 .2	58.7 58.9 58.8 59.4	9 .8 1 5	54.6 54.3 56.0	3.7 5.4 6.4 4.6 5.8	39.9 39.4 40.8 40.7	-2.0 -1.0	58.2 M M58.7 58.6	
-DIVISIONAL DATA> EASTERN PIEDMONT 02 AMELIA 4 SW AMELIA 8 NE	34.5	-2.7	38.5	-1.1	50.6	2.7		.6			73.3	4	78.6	.8	79.0 M	2.3	71.6 M	.8				4.9		3		.5
ASHLAND BREMO BLUFF CAMP PICKETT CHASE CITY CORBIN CROZIER FARMVILLE 2 N	31.7 30.2 31.9 30.1 30.7 32.0 32.7	-2.8 -3.7 -5.6 -4.1 -2.9	33.0 35.4 35.3 33.7 34.9 35.9	-3.4 -2.9 -3.3 -4.4 -3.0	48.9 47.7 45.2 46.1 48.1	4.2 1.3 -1.9 2 2.2	54.8 54.9 53.1 54.6 55.4 55.0	.2 5 -3.3 -1.0	62.2 63.4 61.3 61.5	-1.6 7 -3.9 -2.8 -2.3	70.6 70.9 70.1 69.4 70.8 70.5 70.2	-1.7 -1.3 -2.1 -4.4 -1.7 -1.9 -2.9	74.6 76.4 75.8 74.5 77.1 76.8 76.4	-2.0 3 -1.1 -3.7 .3 4 8	77.7 76.9 75.5 77.4 77.8	1 2.7 1.5 6 2.1 2.1	67.5 68.1 68.1 66.5 68.9 68.7	-1.2 .3 8 -2.9 .0 3 -1.4	55.3 56.1 54.7 55.8 56.5	-1.0 8 -2.7 -1.5 3	52.6 49.5 52.8 52.8 51.8 52.1	4.8 3.8 5.2 4.9 3.6 4.4 4.3	36.3 37.8 38.0 36.2 38.5	5 -1.3 -1.0	55.3 55.9 54.7 55.4 56.1	.0 5 -2.4 -1.1 2
GORDONSVILLE 3 S JOHN H KERR DAM LAWRENCEVILLE 3 E LOUISA PALMYRA 1 E PETERSBURG	30.3 33.5 30.4 29.5 32.3	-6.5	36.1	-3.0 -3.5 -2.9	48.7	.4 1.0	53.5 55.9 55.7 55.3 55.8 57.4	-1.3 .0 1.2	M 64.9 63.6 62.7 61.8 65.1	9 7 .3	M 72.9 70.5 70.6 69.9 72.9	-1.0 -1.7 .3	78.3 75.1 76.3 75.7 77.9	1 -1.4 1.9	M78.2 76.4 76.7 77.3 79.2	1.3 1.4 4.0	69.3 66.2 67.1 68.2 70.4	-1.3 -2.5 .9		7 -1.2 .5		5.3 4.3 5.7	38.2	-1.8 -2.2 .0		-1.1
RICHMOND INTL AP R SANDSTONDIVISIONAL DATA> WESTERN PIEDMONT 03	33.7 32.3 31.6	-2.7 -3.4	35.4		48.5	1.9	56.9 55.9 55.3	2 9	63.5 63.1 62.8		72.7 M70.9 70.9	8 -1.7	77.8 77.5 76.4	1 1	78.3 77.7 77.2	2.0	70.0 69.5 68.3	.2 5	58.1 56.5	2 -1.0	53.9 52.3 52.5	4.9 3.9	38.1	8	M56.5	.0
APPOMATTOX BEDFORD BROOKNEAL CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHATHAM DANVILLE LYNCHBURG NO 2 LYNCHBURG INTL AP R	30.9 32.7 27.0 29.5 31.5 34.8 32.1 32.1	-1.9 -7.1 -5.7 -4.0	30.9 35.2 34.2 35.4 38.3 34.7	-2.2 -5.8 -3.2 -4.5 -2.0 -1.4	48.0 48.3 47.8 50.7 47.7	2.0 -1.6 1.4 1.4 2.7 2.8	55.5 55.8 49.3 55.0 55.5 53.8 56.4 54.8 56.2	1.0 -4.2 5	M61.9 62.1 57.2 63.0 61.9 61.8 64.7 61.6	-1.2 -5.4 8 -3.3 8 -1.4	M69.6 68.4 64.7 71.8 70.2 68.3 71.7 68.4 68.7	-2.0 -2.9 -6.5 4 -2.7 -2.7 -2.7	74.7 74.1 69.8 75.7 76.3 74.7 77.8 73.7 73.8	-1.2 -1.6 -6.0 8 6 5 -1.0	76.0 74.9 71.0 76.3 76.4 75.2 78.6 74.7 75.2	1.7 .9 -3.6 1.1 1.0 1.7 1.5	67.1 66.5 61.7 66.2 67.6 65.9 69.5 65.4 66.0	6 -1.0 -5.6 -2.4 -1.6 -1.0 9	49.8 55.0 56.4	-1.7 -5.2 -1.9	51.4 45.9 49.8	6.4 4.3 .7 2.1 3.9 4.3 5.3	37.1 31.3 36.8 38.1 35.7 38.8 36.5	-1.5 -5.4	55.2 55.8 54.6 57.8 54.5	5 -4.6 -1.1
MARTINSVILLE FILTER PL MONTICELLO PHILPOTT DAM 2 ROCKY MOUNT SOUTH BOSTON STUART	31.9 30.2 33.3 34.0 32.9 33.4	-3.9 -2.7 -1.1 -3.0	33.4 35.7 35.5 36.7	-4.2 -2.8 -2.6 -2.4	47.7 48.7 48.2 49.0	2.0 2.3 2.5 2.3	55.5	.3	63.0	8 9	68.7 67.6 70.2 M 70.5 70.1	-1.9 -4.2 -1.9 -1.8 6	73.9 72.2 75.3 73.4 76.1 74.4	-1.1 -3.4 -1.1 -2.1 7	75.4 73.2 77.2 74.8 77.1 75.8	2.1 5 2.2 .9 1.8 2.5	65.7 65.3 67.9 65.1 68.4 67.7	-1.1 -1.6 4 -2.1 3	56.5 53.4 56.7	8 -2.7 .1	53.2	5.1 3.2 4.4 3.6 5.9 5.9	37.6 M36.9 38.0	-1.8 9 -1.6 -1.5 -1.5	53.7 56.1 M 56.4	.3 -1.9 2 .0

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

2003	JA	N	FF	EB	MA	AR	AP	R	MA	Υ	JU	N	JU	L	AU	G	SE	P	OC	T	NO	V	DE	C	ANN	UAL
STATION		ш		ш	URE	ш	Ш	ш		ш	ш :	ш	RE 3 C		Æ	ш	ш	ш	RE	ш		. ш	RE	ш		ш
	TEMPERATURE	DEPARTUR	TEMPERATURE	DEPARTUR	ΑT	DEPARTUR	TEMPERATUR	ARTURI	TEMPERATURE	DEPARTUR	ERATUR	DEPARTUR	ERATU	DEPARTUR	ATU	ARTUR	ERATUR	DEPARTUR	ERATU	DEPARTUR	ERATURE	DEPARTUR	ATU	NRTUR	ERATURE	DEPARTUR
	TEMPI	DEP/	TEMPI	DEP/	TEMPER	DEP/	TEMPI	DEPART	TEMPI	DEP/	TEMPER.	DEP/	TEMPER	DEP/	TEMPER.	DEPAR	TEMPER	DEP/	TEMPER	DEP/	TEMPER	DEP/	TEMPER.	DEPAR	TEMPER.	DEP/
	33.3 31.9	-1.6 -2.7			48.3 48.3	2.7 1.8	55.5 54.9	.3	62.4 61.9			-2.2 -2.6	75.4 74.5	.0	75.9 75.5	2.0	67.7 66.5	.5 -1.5	56.5 55.1	.3 -1.7	52.0 51.4	4.8 3.5	38.0 36.9	4 -1.6	55.8 55.1	.3
BIG MEADOWS	19.5 28.0	-6.3	M25.9 31.1	-2.7	M38.5	2.7	M48.3 52.3	2.9	52.7 60.0		M 67.7		M65.1 74.0	-1.0	M 75.0		M 65.4		M47.0 52.8	-1.2	M 49.4		35.1		53.0	
	28.2		28.8		43.8		51.3		59.2		66.5		72.5		73.9		63.7		51.7		48.6		33.4		51.8	
	26.9	-3.3	30.8	-4.6	43.2	3	53.1 51.0	9	59.6 59.6	-2.2	68.3 67.7	-2.6	74.6 74.5	7	76.2 75.5	1.9	65.5 65.7	7	53.7 51.9	-3.2	49.8 48.5	3.7	37.3 34.9	9	53.3 52.5	-1.2
	27.5		M32.1		48.6			.0				-1.9		. /	75.5	3.1	66.4	2		-1.0		4.7	31.5		32.3	1.2
MADISON					M		M54.6		M		M70.6		M76.4		M76.1		М		M55.0		M		M		M	
	23.4	-5.4			39.7	.8	48.8	5					M72.3	.2	72.7	1.9	63.2	9		-2.8		4 0	M32.2	-1.3		
	29.9	-3.2	32.6	-3.5	46.5	2.2	53.8	5	61.1 64.2	-2.2	69.7 73.7	-2.1	75.6 м	5	76.2	1.8	67.7 73.9	.0	54.9 54.1	-1.1	51.4 50.9	4.9	36.9 36.8	3	54.7 м	4
	29.2		32.0		45.3		53.6		60.2		68.7		M74.8		75.0		66.3		53.7		M52.0		36.3		M53.9	
	26.4		29.0		43.0		50.7		58.1		66.5		72.0		73.9		65.2		51.6		47.6		33.4		51.5	
	27.6	-2.9		-3.9	42.5	.8		-1.6	59.6	-1.8		-1.2	74.6 M74.7	.1	75.5	2.5	66.2	.4	51.8 52.7	-2.1	48.6	4.7		9		5
VIENNA WARRENTON 3 SE	28.4		30.3		43.7		52.0		58.7		67.8		M /4./		74.6 M		66.4 м		52.7 M		50.5	3.6	36.0 36.3	7	M53.0 м	
	28.4	-3.3	30.3	-4.5	44.1	.7	53.5	. 4	59.8	-2.5	69.3	-1.6	75.4	3	76.2	1.8	67.1	2	53.8	-1.2	50.0	4.8	36.0	.0	53.7	5
	31.1	-3.8	33.7	-4.4	47.1	.6	55.1	-1.0	61.7	-3.9	71.4	-3.1	77.8	-1.4	78.8	1.4	70.5	.0	57.5	-1.3	53.1	4.4	39.2	3	56.4	-1.1
	27.8	-2.9			43.5	1.3		2	59.9			-2.1	74.5	7	75.8	2.4	65.3	6	52.1	-2.1	49.4	4.8	35.0	3	52.8	6
	27.3	-3.1 -2.5			42.6 44.5	1.8		2 1	59.3 59.8			-2.7 -3.0	73.7	9 9	74.9	2.0	64.9	-1.0 7	51.8 52.1	-2.3 -2.5	48.8 49.8	4.4 5.6	33.7 34.4	-1.4 -1.3	52.1 52.6	9 7
	27.5		30.1		43.9		1 :	8					73.9	8	75.6	2.2	66.4	3		-2.5	50.0	4.2		2	53.0	7
CENTRAL MOUNTAIN 05																										
	32.0	-2.4	34.8	-3.1	50.6	4.4	57.4	1.9	63.7	-1.2		-1.7	75.7	-1.1	76.9	1.6	67.7	9		2	51.5	5.0		-1.1	56.3	.1
	33.2	-1.2	35.1 33.9	-1.5	50.3	4.7	56.1 54.8	1.8	64.7 61.9	6	71.3	-2.7	77.3	5	78.8 76.0	3.4	69.3	. 9	56.5 54.4	7	51.1 51.0	6.5	36.2 36.1	. 0	56.7 54.6	. 8
	28.2	-2.3			44.4		50.8	.0	58.7		66.6	-2.7	72.4	-1.1	73.4	1.6	64.0	8	51.3	-2.2	48.1	4.8	32.5	-2.4	51.6	8
	27.6	-3.6		: 1	45.9	i	52.8	1.1				-3.1	71.3	-1.2	73.1	1.8	63.8	-1.0	51.8	-2.2	48.4	4.4	33.2	-2.0	52.0	5
	25.8	-4.2			45.4		51.4	.8		-1.2		-2.7	70.4	-1.0	71.1	. 9	61.9	-1.5	50.5	-1.8	47.1	4.7	31.8	-1.8		5
	32.1	4	29.4	-6.0	42.1	-2.2	44.9	-8.2	M 54.9		72.4 62.1	2.0	77.8	3.1	79.7 69.0	6.6	69.4	3.3	55.9 47.8	1.2	50.9 43.8	6.7	36.1 28.8	1	M	
	24.0		28.2		41.6		49.1		55.4		61.9		67.0		69.7		59.8		48.3		44.3		29.7		48.3	
	32.3		34.5		48.6		55.3		62.1		68.6		74.5		76.0		67.1		55.1		51.3		37.0		55.2	
	33.1	-2.7			49.6			. 7	62.6			-2.3	75.1	-1.1	76.4	1.7	66.7	-1.0	56.1	5	52.2	4.9		-1.2	56.0	3
	28.4	-2.3	30.2	-3.4	46.5 46.2	4.8	51.9 52.4	1.1	59.1 59.1	7	66.3	-1.6	72.1 72.7	.0	73.5	3.0	64.2 64.1	.3	52.7 52.3	.6	50.1 49.5	7.0	34.2	2	52.4 52.7	.7
	29.2	-2.5		-3.2	46.2	2.0		7	60.0	-2.0	1	-2.2	73.3	. 1	74.4	2.3	65.0	5	53.1	-1.5	49.2	4.1	34.1	-1.6		4
SOUTHWESTERN																										
MOUNTAIN 06												_		_				_								
	26.8	-5.7 -4.6			48.6		53.9 56.6	1.0	M62.5 64.5			9 -1.5	72.7	1	73.7 M74.8	2.2	65.3	1 4	54.4 55.0	. 4 4	50.1 50.2	5.4 4.4	34.2 35.7		M53.7 M55.1	.3
	27.8	-3.1			45.1	3.7	50.7	.7	59.0	.1		-1.5	70.9	2	72.3	2.7	62.9	1	51.0	4	47.5	4.4	32.0	-2.1	51.3	.4
	27.4	-2.9			44.9	:		2.3	58.8	.9		-1.4	69.1	6	70.4	2.0	61.6	5	50.5	5	47.7	5.7	31.1	-2.8	50.7	.4
	27.5		33.0		48.5		55.3		61.6		65.6	_	71.4	_	72.3		64.4		53.6	_	48.4		34.3		53.0	_
	24.5	-4.3		-1.1	43.2		48.9 52.2	2.1	57.4 59.8	1.4	62.6	9	67.6 71.3	.3	67.9 72.5	2.3	59.1	4		8	44.7	4.6	28.9 33.6	-3.4	48.6	.3
	27.7		31.6		46.5 46.6		53.1		61.4		65.8		70.0		71.4		63.2		52.9 51.8		49.7 46.7		32.5		52.3 51.9	
	27.0	-3.0		3	44.9	:	1 :	3.3	58.4	.6	;	9	69.5	. 0	70.5	2.6	61.7	.2	51.1	.1	47.2	5.8		-1.6	50.9	.9
	28.4	-2.0			46.2			2.3				.0	69.7	2	71.3	3.0	62.7	.7	51.2	.3	48.1	6.4		-1.3	51.6	1.3
	29.8	-4.6			48.8	2.9		.7	62.8 M	1		-4.1	72.4	-2.8	73.1	-1.1	66.1	-2.0	54.7	-1.4	49.4	2.8	34.6	-3.2	54.0	-1.3
JOHN W FLANNAGAN LAKE M LEBANON 2	28.3	-4.4	M34.2 34.9	9	M 48.3	4.9	M54.9	3.2	M 62.0	1.5	M66.8	-1.7	M71.8 71.3	5	M 72.5	1.9	M 63.6	9	M53.7 52.6	3	M 48.6	4.5	M 33.8	-2.2	M 53.1	.4
NORTH FORK LAKE M	20.5		M34.6	; 1	M	1.7	M53.3	٥.2	M	1.5	M67.1	/	м м		м 2.3	ار ٠٠٠	м		M 22.0		м	1.5	м	2.2	м	
PENNINGTON GAP	29.2	-3.7	35.6	6	49.7		55.4	2.8			68.1	-1.4			74.4	2.0	65.9	5		6	49.3	4.6				.6
PULASKI	28.6	-3.0	32.1	-2.3	45.9	3.6	52.0	1.0	59.5	5	65.6	-1.9	70.9	6	72.1	1.9	62.6	-1.2	52.2	5	48.7	5.1	32.6	-2.8	51.9	1

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

2003	-	4 N.T					LIVA													(TD		X 7		10	43757	
STATION		AN	FI	:	MA		AP	'K	MA		JU		JU		AU		SE		OC		NC		DE	!	ANN	
	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
RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 3 ENE WISE 3 E WYTHEVILLE 1 SDIVISIONAL DATA:	26.8 29.4 29.0 28.5 27.1 28.0	-2.6 -1.7 -4.2 -3.8	34.1 32.6 34.6 32.0	-1.0 -1.3 -1.8 -1.8	48.7 46.2 48.2	5.2 3.9 3.5 4.1	53.6 52.3 55.4	1.3 1.5 2.3 1.6	62.4 59.4 61.5 59.5	.6	67.5	-1.9 -2.4 -1.4	72.2 71.0 69.9 70.0	9 3 -1.5 8	74.0 72.2 70.8 71.7	2.2 2.4 .6 2.3	65.4 63.8 63.1	.0 .4 -1.4 -1.1	53.4 51.6 54.7 51.5	3 1 6 .1 4 -1.0	48.8 47.8 49.5 48.2	4.7 4.3 5.7	33.4 33.1 35.2 32.5	-1.8 -1.7 -1.4 -1.7	53.6 52.0 53.1	.3 .6 .4 1 .3 .0

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

2003						I	LAST										FIRST			INI	MUM	OF						DAYS	
STATION	HIGHEST	TE	LOWEST	DATE	16° (BEL(OR	20° C BELC)R	24° (BELO)R	28° (BELO	OR	32° C BELC		32° (BELO		28° O	R	24° C BELC)R	20° (BEL	OR	16° C BELC		BELOW	BELOW	BELOW BELOW	BELOW	BELOW
STATION	HIG	DΑ	TOV	DΑ	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 REFU EASTVILLE EMPORIA 1 WNW FREDERICKSBURG SEWAGE HAMPTON UNIVERSITY HOLLAND 1 E HOPEWELL LANGLEY AIR FORCE BASE NORFOLK INTL AP NORFOLK SOUTH NORTH PAINTER 2 W STONY CREEK 1 E SUFFOLK LAKE KILBY WAKEFIELD 1 NW WALKERTON 2 NW WARSAW 2 NW WEST POINT 2 NW WILLIAMSBURG 2 N EASTERN PIEDMONT 02	96 96 95 94 97 96 98 96 92 96 95 96 96 97 95	8/28	15 10 9 6 13 16 10 7 5 13 6	1/28 1/19 1/28 1/28 1/24 1/28 1/19 1/18 1/28 1/18 1/28 1/18	MSG 1/28 1/28 2/17 MSG 1/28 1/28 1/28 1/28 MSG 1/28 1/28 1/28 1/28 1/28 1/28 1/28 1/28	13 7 9 8	MSG 1/28 1/28 2/19 MSG 2/9 1/28 2/9 1/28 MSG 1/29 2/13 MSG 1/28 2/17 2/13 2/9	15 12 20 19 14 18 16 18 20 13 19 20 19 20	2/18 3/4 MSG 3/11 2/17 2/9 2/9 MSG 2/15 3/4 MSG 2/9 3/4 3/11 3/4 3/11	23 21 24 22 18 24 23 23	3/5 3/12 MSG 3/31 3/4 MSG 2/13 MSG 3/15 3/15 MSG 3/4 3/15 4/1 3/15 3/15	28 27 27 28 28 28 26 28 26 26 26	MSG MSG 3/15 3/31 MSG 4/1 3/15 MSG 4/1 3/15 MSG 4/24 4/24 3/31 3/31 3/31	30 31 31 32 28 31 31 30 30	11/30 11/26 11/26 MSG 12/ 3	32 31 32 32 32 30 29 29 32 32 32	12/3 11/10 12/20 12/3 12/4 MSG 12/19 12/3 12/3 12/3 MSG 12/7 11/25 11/10	27 24 26 28 24 28 28 28 26 28 27 26 26 26	12/3 12/3 MSG 12/3 12/21 MSG NONE NONE MSG 12/4 MSG 12/21 12/3 12/2 12/4	24 24 23 24 24 23 23 23 24 24	MSG NONE NONE MSG NONE NONE MSG NONE 12/21 12/3 NONE 12/21	20 18 18 19		16		305 311 274 311	274 267 307 275 315 274 266 275 267	263 263 278 255	207 205 256 271 239 256 263 183 162 207 207
AMELIA 4 SW AMELIA 4 SW AMELIA 8 NE ASHLAND BREMO BLUFF CAMP PICKETT CHASE CITY CORBIN CROZIER FARMVILLE 2 N GORDONSVILLE 3 S JOHN H KERR DAM LAWRENCEVILLE 3 E LOUISA PALMYRA 1 E PETERSBURG RICHMOND INTL AP SANDSTON WESTERN PIEDMONT 03	91 98 93 95 97 94 98 94 93 96 95 96	7/ 9 8/27 8/28 8/31 8/31 8/28 7/ 6 8/29 8/27 7/ 5 8/30 8/27 8/27 7/10	6 1 4 4 5 4 5 9 6 2 2 8 8	1/18	MSG MSG 2/17 2/25 1/28 2/17 2/17 2/18 1/28 2/16 2/16 2/17 MSG 1/28 1/28	12 8 10 12 16 16 15 12 16 11 16	MSG MSG 3/4 3/8 2/19 3/4 3/4 3/4 2/17 2/17 2/17 3/8 3/4 MSG 2/16 2/19	16 19 18 20 20	4/ 1 3/11 3/ 9 3/ 4 3/10 3/ 4 3/11 3/15 3/15 MSG 3/ 4	23 22 24 24	4/24 3/15 4/11 3/31 4/ 1 3/31 3/12 4/ 1 3/31 3/31 MSG	27 28 28 27 28 25 26	MSG MSG 4/24 4/24 4/1 4/24 3/31 4/24 4/1 MSG 3/31 4/24 4/24 MSG 3/31 3/31	32 28 30 28 29 32	10/ 3 10/ 3 10/ 3 10/ 4 10/ 3 10/ 3 MSG 10/24 10/ 3	31 29 30 31 29 32 32 28 29 31 32	11/10 10/4 10/24 11/10 11/10 MSG 11/26 10/23 10/3 10/24 12/2 12/3	28 26 28 28 24 25 26 28 22 27 24 24	11/ 9 12/ 3 12/ 3 11/10 11/10 12/ 3 MSG 12/ 3 12/ 1 11/ 9 11/10 12/ 7 12/ 3	23 24 21 22 21 23 22 23 24	11/10 12/3 12/9 NONE 12/3 12/9 MSG NONE 12/8 11/10 12/3	19 20 20 20 20 20 19 20	12/3 NONE NONE NONE NONE NONE MSG NONE NONE NONE NONE NONE	12	281	247 287 280 274 295 294 247	239 274 246 244 246 274 274 265 239 240	207 162 240 176 207 223 223 259 205 186 207 263 263	162 185 162 187 162 185 207 185 162 162
WESTERN PIEDMONT 03 APPOMATTOX BEDFORD BROOKNEAL CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHATHAM DANVILLE LYNCHBURG NO 2 LYNCHBURG INTL AP MARTINSVILLE FILTER PL MONTICELLO PHILPOTT DAM 2 ROCKY MOUNT SOUTH BOSTON STUART TYE RIVER 1 SE NORTHERN 04	91 90 87 92 95 91 92 92 91 94 92 93	8/31 8/31 8/29 8/30 7/28 7/23 8/29 8/28 8/27 7/ 9 8/29 8/28 8/28	7 8 0 6 10 4 8 4 2 3 7 9 10 10 6 7	1/22 1/19 1/24 1/18 1/24 1/19 1/18 1/18 1/18 1/19 1/24 1/25 1/28 1/19 1/18	1/28 1/29 2/17 2/17 2/17 2/ 9 1/28 2/ 9 2/17 1/28 2/ 8 1/29 1/28 2/ 9	9 16 13 15 14 11 13 15 9 12 11 15 14 12 14	2/16 2/17 3/15 2/17 2/17 2/18 2/17 2/16 2/16 3/ 88 2/17 2/17 2/17 2/17	19 20 19 15 14 18 19 18 19 20 18 20 17 17	4/ 1 2/28 3/10 3/12 2/18 3/ 9 3/ 8 3/12 3/30 3/ 8 3/29 2/17 3/ 4	23 24 23 24 24 24 24 24 24 23 24 17 24 24	4/1 3/15 4/24 4/1 3/31 4/1 3/15 4/1 4/10 4/1 3/31 3/12 4/1 4/1 4/1	27 26 27 26 28 28 26 27 25 28 28 28 27	4/ 1 4/ 1 4/24 4/ 1 4/ 1 4/ 1 4/ 1 4/ 1 4/ 2 4/ 2 4/ 1 MSG 4/ 7 4/ 1 4/ 1	28 30 27 26 31 31 28 29 31 29 28 32 27 28	10/3 10/3 10/3 11/9 10/3 11/10 10/3 10/2 10/3 10/3	29 32 29 32 28 32 32 27 32 31	10/3 11/9 12/3 11/10 11/26 11/10 10/3 10/3 11/9 11/25	27 27 26 25 27 26 28 25 28 23 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	12/8 11/10 12/3 12/14 11/26 12/8 12/3 11/25 11/9 12/8 11/26 12/8		NONE 12/2 NONE NONE 12/8 NONE 12/9 12/8 12/4 12/21 12/8	19 20 18 20	NONE NONE 12/21 NONE NONE NONE 12/21 NONE NONE NONE NONE NONE NONE	16	315	262 294 295 295 295 271 307 294 302 315 307	278 279 259 293 269 270 258 224 275 242 289 292	222 247 223 260 223 202 185 213 238 186 243 238	162 185 222 162 223 185 184 162

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

2003						I	LAST	SPR	ING N	/IN	IMUM	I OF	7				FIRS	ΓFA	LL M	INI	MUM	OF					BER OF		
STATION	HIGHEST	DATE	LOWEST	DATE	16° C BELC		20° C BELC		24° C BELC		28° C BELC		32° C BELC		32° C BELC		28° C BELC		24° O BELO		20° C BELC		16° O BELC		BELOW	BELOW	BELOW	BELOW	BELOW
	HIC	Д	OT	Q	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 B	24° OR B	28° OR B	32° OR B
BIG MEADOWS BOSTON 4 SE EDINBURG FRONT ROYAL LINCOLN LURAY 5 E MADISON	93 93 94 96	8/31 8/27 8/22 7/ 7	1 -1 -4 5	1/18	3/9 2/17 3/4 3/11 3/4 3/4 MSG	16 13 11 12 13 14	3/12 3/11 3/4 3/11 3/11 3/11 MSG	17 19 11 12 19 20	3/15 3/11 3/12 3/11 4/ 1 3/31 MSG	24 19 24 12 23 23	4/ 9 4/ 1 4/ 1 3/31 4/ 2 4/ 1 MSG	27 28 28 26 28 26	4/24 4/1 4/1 3/31 4/2 4/24 MSG	30 28 28 26 28 30		28 31 30	10/ 3 11/ 9 10/24	28 28 23 26 27	MSG 11/10 11/ 9 11/ 9 11/ 9 11/10 MSG	19 24 23 24 21	11/10 12/ 8 11/10	19 18 20 18	MSG 12/21 12/ 8 NONE NONE MSG MSG		307 279		242 243 222	206 185 223 205 185	185 185 184
MOUNT WEATHER PIEDMONT RESEARCH STN SOMERSET SPERRYVILLE STAR TANNERY STERLING RCS VIENNA WARRENTON 3 SE	95 94 95 88	6/26 8/31 7/ 7 8/23 7/ 6 8/23	5 4 1 -1 0 5	1/18 1/19 1/19 1/19	3/7 2/17 2/17 3/4 3/4 3/7 2/17 MSG	15 13 15 15 9 15	3/31 3/4 3/4 3/11 3/11 3/11 3/4 MSG	20 19 19 20 17 17	4/1 3/10 3/10 3/15 3/31 4/1 3/11 MSG	23 23 23 24 23 24 21	4/9 3/31 4/1 4/1 4/1 4/2 3/31 MSG	28 28 28 26 25 28 28	4/19 4/1 4/24 4/1 4/14 4/25 4/1 MSG	31 32 32 26 32 31 29	10/ 3 10/ 3	27 31 31 28	11/10 10/3 11/9 11/9 10/3	27 24 20 28	MSG 11/10 11/10 11/ 9 11/ 9 11/10 11/10 MSG	24 20 24 20 19 24	11/10 12/ 9 11/ 9 11/10	20 20 20 19	MSG NONE NONE 11/10 12/ 8 NONE MSG	16 16	251 276	292 251 273 243 244	245 239 223 223	224 185 222	162 185 172 161
WASHINGTON DULLES INTL R WASHINGTON REAGAN AP R WINCHESTER WINCHESTER 7 SE WOODSTOCK 2 NE CENTRAL MOUNTAIN 05	93 94 93 92 93	7/ 5 8/22 8/23 8/23 8/27	3 11 4 -1 5	,	3/4 2/16 3/4 3/5 3/4	14 15 15 14 14	3/11 3/3 3/7 3/11 3/10	20 20 20 19 20	3/11 3/4 3/11 4/1 3/11	20 23 23 23 23 23	4/ 1 3/10 4/ 1 4/ 1 4/ 1	27 26 28 23 27	4/ 1 4/ 1 4/ 1 4/14 4/ 2	27 32 28 32 31	10/3 11/10 10/3 10/3 10/3	31 32 29	12/ 3 11/ 9 10/24	28 28 27 27 25	11/10 NONE 11/10 11/ 9 11/10	21 23 22 22	11/10	19 17 16	NONE NONE NONE 12/8	16 16			244 222	206 268 222 206 222	223 185 172
BUCHANAN BUENA VISTA COVINGTON FILTER PLANT DALE ENTERPRISE GATHRIGHT DAM HOT SPRINGS LEXINGTON	94 98 96 91 88 88	7/27 8/30 8/27 7/ 6 8/27 7/ 6 8/28	4 3 3 3 1 -1 3	1/18 1/19 1/19	2/17 2/18 2/10 2/18 2/ 9 2/17 MSG	15 16 16 15 14 16	2/17 2/26 2/26 3/5 2/17 2/18 MSG	15 18 20 19 19 17	3/8 3/10 3/5 3/31 3/8 4/1 MSG	24 24 22 24 24 23	4/ 1 4/ 1 4/ 1 4/ 1 4/ 1 4/ 1 MSG	27 26 28 27 28 23	4/1 4/24 4/24 4/24 4/1 4/24 MSG	27 32 32 31 28 31	10/ 3 10/ 3 10/ 3 10/ 3 10/ 2 10/ 3	28 31 28 29 32 30	11/10 10/3 11/10 10/3 11/10	28 27 28 25 27 24	11/25 11/10	24 23 24 21 22 22 24	12/ 8 12/21 12/ 8 12/ 8 12/ 8 12/ 8	19 20 16 17	12/21 12/ 8 12/21	11 14 16 15	294 315 294	293	245 270 224 262 238	223 185 223 185 223 185	162 162 162 185 161
MILLGAP 2 NNW MUSTOE 1 SW ROANOKE 8 N ROANOKE INTL AP STAUNTON SEWAGE PLANT WAYNESBORO SEWAGE SOUTHWESTERN MOUNTAIN 06	86 93 93 90 91	8/26 8/28 8/27 8/27 8/28	-7 -8 6 8 0 4	1/18	3/5 3/4 2/17 1/27 2/18 2/17	14 13 16 10 15 14	3/31 3/11 2/18 2/17 2/28 2/17	19 18 19 17 20 14	4/ 1 4/ 1 2/27 2/26 3/31 4/ 1	23 21 23 24 22 23	4/24 4/24 3/8 3/31 4/1 4/1	25 26 27 28 27 23	4/28 4/28 4/ 1 4/ 1 4/ 8 4/24	32 31 30 30 32 32	10/ 1 10/ 3 10/ 3 10/ 3	30 31 30 27	11/25 10/ 3	20 27 28 28 27 28	10/ 3 12/21	19 21 24	11/10 12/21 NONE	19 18	12/ 3 12/ 3 NONE NONE NONE 12/ 8		274	306 283	185 297 298 224	162 161 247 239 185 186	156 185 185 178
BINGDON 3 S BIG STONE GAP BLACKSBURG NWSO R BLAND BREAKS INTERSTATE PARK BURKES GADEN CHRISTIANSBURG CLINTWOOD 1 W FLOYD 2 NE GALAX RADIO WBRF GRUNDY JOHN W FLANNAGAN LAKE LEBANON NORTH FORK LAKE	89 91 87 88 89 85 88 87 88 88	8/27 8/29 8/29 8/29 8/29 8/29 7/ 9 8/27 8/27 7/ 6	0 2 4 -3 4 0 3 4 3 0 6	1/18 1/18 1/24 1/28 1/18 2/ 9 1/27 1/18 1/28	2/9 2/13 2/10 2/9 2/10 2/13 2/9 2/13 2/8 2/9 2/10 MSG 2/13	5 16 16 6 13 16 11 15 8 3 14	2/14 2/13 3/5 3/5 2/14 3/31 2/18 3/4 3/31 2/16 2/13 MSG 2/13	20 16 20 18 19 20 19 20 17	3/31 2/13 4/1 4/1 4/1 4/1 4/1 3/31 4/1 3/5 MSG 3/31 MSG	24 16 22 24 24 21 22 23 19 23 24	4/1 4/1 4/24 4/1 4/24 4/1 4/2 4/1 4/1 MSG 4/1 MSG	28 28 22 28 24 26 22 27 28 23 27	4/1 4/24 4/24 4/1 4/24 4/1 4/24 4/14 4/24 4/1 MSG 4/24 MSG	28 31 28 24 26 22 31 29 31 27	10/ 3 9/30 10/ 3 9/30 10/ 3 10/ 3	30 24 32 30 30 27 27 30 32 32	10/3 11/14 10/3 10/3 10/3 10/3 10/3 11/14 MSG	25 25 24 23 27 19 27 27 22 20 25	11/25 10/ 3	22 24	12/ 9 11/25 12/21 10/ 3 12/21 11/25 12/ 8 10/ 3 12/21 MSG	9 20 18 11 19 15 19 15 20	12/21 12/ 8 12/21 11/25 12/21 12/21	9 13 14 11 15 15 6 15 12 12	311 314 302 314 285 315 311 303 315 314	311 279 265 310 186 306 266 252 229 311	285 185 185 238 185 238 238 186 185 265	227 227 185 162 227 162 185 184 185 227	185 162 159 185 159 185 162 169 161 185
PENNINGTON GAP PULASKI RICHLANDS SALTVILLE 1 N STAFFORDSVILLE 3 ENE WISE 3 E WYTHEVILLE 1 S	91 90 88 90 88 88 87	8/27 8/27 8/27 8/29 8/28 8/28	1 2 -1 3 3 -1 -3	1/28 2/ 9 1/19 2/ 8	2/13 2/10 2/13 2/10 2/10 2/ 9 2/ 9 2/10	16 14 13 16 8 13	2/13 3/ 4 2/13 2/13 3/31 2/13	16 20 13 20 18 17 20	3/31 3/31 4/ 1 3/ 4 3/31 3/31	24 24 24 22 18 21 20	4/ 1 4/ 1 4/ 1 4/ 1 4/ 1 4/ 1 3/31 4/ 1	25 26 24 26 25 21 26	4/2 4/24 4/24 4/24 4/24 4/1 4/24	32 31 31 32 32 32	10/ 3 10/ 3 9/30 10/ 3 10/ 3	28 24 32	11/14 10/ 3 10/ 3 10/ 3 10/ 3	24 26 26 28 24 27 25	11/14 11/25	18	11/30 12/ 8 11/25	19 20 20 20 20	12/21 12/21 12/21 12/21 12/21	13 5 7 10 6	314 311 314 315 315	279 285 298 244 285	239 227 266 186 239	227 185 185 185 185 186 186	162 159 162 162 184

MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE = 65 DEGREES FAHRENHEIT

VIRGINIA 2003

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
VIRGINIA														
TIDEWATER 01														
BACK BAY WILDLIFE REFU	-		-	B 34	-	-	-	-	-	-	-		-	1506
EASTVILLE	0	B 0	-	B 0	30	246	B 432	B 421	238	21	19	B 0	1445	1000
EMPORIA 1 WNW	0	0	0	28	89	253	415	430	193	14	25	0	1447	1298
FREDERICKSBURG SEWAGE HAMPTON UNIVERSITY	0	B 0	0	B 27	31 98	189 320	383 498	412 498	143	4	14 39	0	1185	
HOLLAND 1 E			2	15	92	258	425	440	205	7	36	0	1480	1210
HOPEWELL	0	0	6	46	105	288	463	473	256	39	41		1717	1619
LANGLEY AIR FORCE BASE	В 0	B 0	B 4		103	200	- 403	1 -	250					1432
NORFOLK INTL AP R	0	0	7	28	103	310	482	485	285	35	39	0	1774	1612
NORFOLK SOUTH				28	89	284	447	459	252	25	30	0		
NORTH	0	0	0	15	31	208	384	B 380		14	18	0	-	
PAINTER 2 W	0	0	0	18	41	266	-	416	223	19	16	0	-	1334
STONY CREEK 1 E	0	B 0	-	B 31	B 86	B 279	B 401	B 454	В 177	-	-	В 0	-	1409
SUFFOLK LAKE KILBY	0	0	3	30	95	275	422	453	245	28	32	0	1583	1427
WAKEFIELD 1 NW	0	0	3	23	80	256	423	432	191	15	23	0	1446	1356
WALKERTON 2 NW	0	-	2	17	62	241	406	437	199	11	14	0	-	1254
WARSAW 2 NW	0	0	4	30	75	258	438	445	B 179	14	30	0	B1473	1282
WEST POINT 2 NW	0	0	3	26	62	253	423	447	205	17	21	0	1457	1446
WILLIAMSBURG 2 N	0	0	6	29	74	260	423	448	220	23	24	0	1507	1364
EASTERN PIEDMONT 02 AMELIA 4 SW	0	0	_	_		_	_	_	_	_	_	_	_	1125
AMELIA 4 SW AMELIA 8 NE			_	_	_	_	353	_	_	_	8	_	_	1125
ASHLAND	0	0	1	21	26	186	306	314	108	1	7	0	970	1131
BREMO BLUFF	0	0	0	11	40	202	362	401	122	2	5	0	1145	1111
CAMP PICKETT	0	0	0	13	65	176	342	376	122	6	12	0	1112	1158
CHASE CITY	0	0	0	6	42	156	300	331	86	2	14	0	937	1316
CORBIN	0	0	0	17	41	195	383	392	135	2	21	0	1186	1155
CROZIER	0	0	0	25	30	187	373	404	139	8	12	0	1178	1193
FARMVILLE 2 N	0	0	0	18	50	183	357	365	105	4	13	0	1095	1218
GORDONSVILLE 3 S	0	0	0	10	-	-	-	- D 401	- 151	-	-	- 0	- D1200	1202
JOHN H KERR DAM LAWRENCEVILLE 3 E	0	0	0	22 15	90 48	249 184	420 319	B 421 357	84	13	22 15	0	B1388 1024	1383 1127
LOUISA	0	0	0	14	44	193	356	370	106	2	12	0	1024	854
PALMYRA 1 E	0	0	1	20	31	174	337	391	129	8	14	0	1105	054
PETERSBURG		_		26	74	245	406	447	181	14	11	0	-	
RICHMOND INTL AP R	0	0	0	20	56	246	406	418	172	9	15	0	1342	1435
SANDSTON	0	0	0	25	61	B 192	394	398	154	7	10	0	B1241	
WESTERN PIEDMONT 03														
APPOMATTOX	0	B 0	-	16	B 42	B 164	308	346	92	B 4	13	0	-	1052
BEDFORD	0	0	В 0	16	41	130	286	316	81	4	8	0	B 882	1021
BROOKNEAL	0	0	0	0	7	65	164	192	25	0	0	0	453	1015
CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	0	0	0	15 34	42 42	221 189	343 357	357 359	79 99	0 8	1 27	0	1058 1115	1146 1212
CHATHAM	0	0	0	34	41	129	307	322	75	1	4	0	882	971
DANVILLE	0	0	1	10	84	213	406	427	159	9	16	0	1325	1418
LYNCHBURG NO 2	0	0	0	4	32	139	279	307	67	ĺ	6	0	835	1 110
LYNCHBURG INTL AP R	0	0	1	17	39	144	279	322	81	1	5	0	889	1075
MARTINSVILLE FILTER PL	0	0	0	1	46	143	281	329	79	3	7	0	889	921
MONTICELLO	0	0	0	11	9	133	228	264	62	1	8	0	716	991
PHILPOTT DAM 2	0	0	0	22	60	175	327	384	114	4	12	0	1098	1112
ROCKY MOUNT	0	0	0	14			269	315	61	0	7	B 0	_	984
SOUTH BOSTON	0	0	0	12	51	182	348	383	125	7	17	0	1125	1159
STUART	0	0	0	12	56	172	300	343	109	3 5	9	0	1004	967
TYE RIVER 1 SE NORTHERN 04			U	13	44	151	330	344	110	5	13		1010	976
BIG MEADOWS	0	В 0	в 0	_	0	_	B 44	_	_	В 0	_	_	_	180
BOSTON 4 SE	0		0	8	21	135	286	317	74		8	0	849	100

VIRGINIA 2003

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
FRONT ROYAL	0	0	0	8	23	151	305	353	69	0	9	0	918	
LINCOLN	0	0	0	3	16	137	302	332	76	0	6	0	872	911
LURAY 5 E	0	В 0	3	8	32	140	-	334	93	4	10	-	-	862
MADISON				B 27		B 196	B 354	B 353		B 1	-		-	
MOUNT WEATHER	0	0	0	3	6	114	B 235	247	23	0		В 0		625
PIEDMONT RESEARCH STN	0	0	0	12	34	177	339	358	110	1	9	0	1040	1042
SOMERSET	0	0	0	8	58	272		485	276	2	7	0		
SPERRYVILLE	0	0	0	11	19	148	B 309	319	78	1	B 9	0	B 894	
STAR TANNERY	0	0	0	4	15	112	224	280	57	0	4	0	696	
STERLING RCS	0	0	0	0	11	152	304	333	87	0	6	0	893	824
VIENNA	0	0	0	7	10	133	B 308	304	86	0	15	0	B 863	
WARRENTON 3 SE	-	-	-	-	-	-	-	-	-	-	7	0	-	956
WASHINGTON DULLES INTL R	0	0	0	8	22	165	328	356	105	0	9	0	993	1075
WASHINGTON REAGAN AP R	0	0	0	12	32	211	402	434	183	9	15	0	1298	1531
WINCHESTER	0	0	0	16	22	153	302	339	61	0	5	0	898	907
WINCHESTER 7 SE	0	0	0	8	16	123	274	313	62	0	3	0	799	855
WOODSTOCK 2 NE	0	0	0	5	21	122	273	308	69	0	6	0	804	848
CENTRAL MOUNTAIN 05				_							_		4400	4450
BUCHANAN	0	0	0	5	57	190	338	377	117	12	6	0	1102	1172
BUENA VISTA	0	0	0	11	72	205	392	433	153	12	7	0	1285	04.5
COVINGTON FILTER PLANT	0	0	0	11	36	113	278	349	94	3	3	0	887	846
DALE ENTERPRISE	0	0	0	0	10	113	238	267	61	0	4	0	693	758
GATHRIGHT DAM	0	0	0	0	14	78	200	259	44	0	1	0	596	679
HOT SPRINGS	0	0	0	0	10	63	176	197	33	0	1	0	480	579
LEXINGTON	0	0	0	0		238	404	462	153	5	4	0	-	881
MILLGAP 2 NNW	0	0	0	0	1	34		135	28	0	0	0		
MUSTOE 1 SW	0	0	0	0	2	32	86	153	24	0	0	0	297	
ROANOKE 8 N	0	0	0	13	40	139	299	345	94	0	7	0	937	
ROANOKE INTL AP R	0	0	0	22	42	160	321	360	96	5	8	0	1014	1134
STAUNTON SEWAGE PLANT	0	0	0	14	17	109	229	271	61	0	8	0	709	622
WAYNESBORO SEWAGE	0	0	0	2	16	100	247	271	57	0	5	0	698	
SOUTHWESTERN														
MOUNTAIN 06						400	0.45	0.75						
ABINGDON 3 S	0	0	0	0	B 27	129	247	276	70	2	4	0	B 755	736
BIG STONE GAP	0	0	0	4	53	142	270	B 306	108	2	0	0	B 885	937
BLACKSBURG NWSO R	0	0	0	0	13	74	192	236	45	0	4	0	564	533
BLAND	0	0	0	0	14	53	142	178	37	0	3	0	427	400
BREAKS INTERSTATE PARK	1	0	0	6	24	77	208	232	57	0	1		605	005
BURKES GARDEN	0	0	0	0	11 21	36 79	105 208	100 240	25 43	0	2 5	0	279 598	225
CHRISTIANSBURG	0	0	0	_		1				1	0	0		
CLINTWOOD 1 W FLOYD 2 NE	0	0	0	0	21 13	63 54	165 155	204 176	41 34	0	0	0	494 434	369
	0	0	0	0	15	77	155	200	34	0	3	0	434	410
GALAX RADIO WBRF GRUNDY	0	0	0	4	29	99	234	257	79	1	2	0	705	1035
		В 0		B 0	_ 29	B 104	B 220	257	79	B 1			705	1035
JOHN W FLANNAGAN LAKE LEBANON	0	B 0	- 0	B 0	28	99	206	239	48	B 1	- 6	0	626	631
NORTH FORK LAKE		B 0		B 1	28	B 103	206	239	48		_ 6		020	021
PENNINGTON GAP	0	B 0	0	В 1	46	128	250	299	86	1	1	0	813	828
PULASKI	0	0	0	0	19	74	196	299	43	1	6	0	566	828 574
RICHLANDS	0	0	0	0	23	89	185	227	45	0	0	0	566	622
SALTVILLE 1 N	0	0	0	0	23	109	231	224	73	3	4	0	731	734
SALIVILLE I N STAFFORDSVILLE 3 ENE	0	0	0	0	14	65	199	233	51	0	5	0	567	564
WISE 3 E	0	0	0	3	23	69	166	184	39	1	5	0	490	605
WYTHEVILLE 1 S	0	0	0	0	15	65	168	215	39	0	1 1	0	502	503
MITUEATINE I 2	"				15	00	100	213	30		+		502	503
	I	1	I	I	l	1	I	1	I		I	1		

TOTAL EVAPORATION AND WIND MOVEMENT

	- - - -	- - - -	- 5.37 M 80.8	5.05	- 6.52	-	-	-	-	-	-	_
-	_	1	M 59.6	81.1 58.3	90.9	6.83 95.4 72.6	6.03 M 95.5 M 72.9	5.48 87.1 64.6	3.44 72.8 51.3	- - -	- - -	— М – М –
_		- - -	- - - -	887 4.03 -	696 4.69 -	1079 5.69 -	802 5.82 -	877 4.65 -	742 2.03 -	- - - -	- - -	- - -
- - -	- - -	- - -	669 2.58 - -	549 4.33 - -	375 4.58 - -	293 4.35 - -	184 5.38 - -	295 3.05 - -	B 268 2.89 -	364 1.62 - -	- - -	- - - -
- - -	- - -	1764 - M - M -	1690 4.57 64.5 42.1	1067 3.72 71.1 51.2	1097 5.56 82.2 58.3	1199 6.65 87.9 64.2	990 6.01 87.7 65.4	1434 4.68 77.7 56.1	1338 3.52 64.7 43.8	1454 2.76 56.1 39.7	- - -	– – M – M –
- - -												
TE TE	1P - 1P - 1P - 1P - 1P - 1P - 1P - 1P -	1P	IP 1764 M M M	P	MP	IP - </td <td>IP -<!--</td--><td>MP -<!--</td--><td>IP -<!--</td--><td>IP -<!--</td--><td>IP -</td><td>IP PR -</td></td></td></td></td>	IP - </td <td>MP -<!--</td--><td>IP -<!--</td--><td>IP -<!--</td--><td>IP -</td><td>IP PR -</td></td></td></td>	MP - </td <td>IP -<!--</td--><td>IP -<!--</td--><td>IP -</td><td>IP PR -</td></td></td>	IP - </td <td>IP -<!--</td--><td>IP -</td><td>IP PR -</td></td>	IP - </td <td>IP -</td> <td>IP PR -</td>	IP -	IP PR -

STATION INDEX

	NO.	NO.				ELEVATION		EARS O RECORD		OPE OR CI DURIN	LOSED	SEE
STATION	INDEX	DIVISION	COUNTY	LATITUDE	LONGITUDE	FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	REFERENC NOTES
VIRGINIA ABINGDON 3 S	0021	06	WASHINGTON	36 40	81 58W	1920	36	36	0			Н
ALLISONIA 2 SSE	0135	06	PULASKI	36 55	80 44W	1820	0	53	0			H
ALTAVISTA	0166	03	CAMPBELL	37 4	79 10W	515	0	54	0	AUG		C H
AMELIA 4 SW	0187	02	AMELIA	37 19	78 4W	360	36	36	0	AUG	MAY	H
AMELIA 8 NE	0188	02	AMELIA	37 26	77 53W	90	1	1	0	JULY		H
APPOMATTOX	0243	03	APPOMATTOX	37 21	78 50W	910	43	66	0			H
ASHLAND	0327	02	HANOVER	37 45	77 29W	220	92	92	0			H
BACK BAY WILDLIFE REFU	0385	01	VIRGINIA BEA	36 40	75 55W	10	52	52	0			H H
BEDFORD	0551	03	BEDFORD	37 21	79 31W	975	76	90	0			Н
BEDFORD 4 NW	0561	03	BEDFORD	37 23	79 34W	1220	0	1	0	SEPT		СН
BIG MEADOWS	0720	04	MADISON	38 31	78 26W	3540	69	69	0			H
BIG STONE GAP	0735	06	WISE	36 52	82 46W	1464	15	15	0			H
BLACKSBURG NWSO R	0766	06	MONTGOMERY	37 12	80 25W	2100	52	52	0			CH
BLAND	0792	06	BLAND	37 6	81 7W	2000	14	54	0			H
BOSTON 4 SE	0860	04	CULPEPER	38 33	78 6W	590	6	6	0			H
BREAKS INTERSTATE PARK	0982	06	DICKENSON	37 17	82 18W	1893	5	5	0			H
BREMO BLUFF	0993	02	FLUVANNA	37 43	78 17W	225	19	64	0			СН
BROOKNEAL	1082	03	CAMPBELL	37 4	78 57W	428	19	45	0			H
BUCHANAN	1121	05	BOTETOURT	37 32	79 41W	880	83	100	0			H
BUCKINGHAM	1136	02	BUCKINGHAM	37 33 37 44	78 31W	552	0 5	69	0			H
BUENA VISTA	1159 1209	05	ROCKBRIDGE TAZEWELL		79 22W	830	107	66	0			H H
BURKES GARDEN BYLLESBY DAM	1209	06 06	CARROLL	37 6 36 47	81 20W 80 56W	3300 2555	107	109 39	0			H
CAMP PICKETT	1322	02	NOTTOWAY	37 2	77 57W	330	33	33	0			C H
CHARLOTTE COURT HOUSE	1585	03	CHARLOTTE	37 2	78 23W	590	57	57	0			Н
CHARLOTTE COOK! HOUSE	1593	03	ALBEMARLE	38 2	78 31W	870	101	128	0			H
CHASE CITY	1606	02	MECKLENBURG	36 48	78 28W	510	57	57	0			H
CHATHAM	1614	03	PITTSYLVANIA	36 49	79 25W	640	81	81	0			СН
CHRISTIANSBURG	1692	06	MONTGOMERY	37 8	80 24W	2100	9	9	0			Н
CLARKSVILLE	1746	02	MECKLENBURG	36 37	78 34W	310	0	113	0			H
CLINTWOOD 1 W	1825	06	DICKENSON	37 9	82 29W	1780	11	11	0			H
CONCORD 4 SSW	1955	03	CAMPBELL	37 17	78 58W	640	0	55	0			H
COPPER HILL	1999	06	FLOYD	37 5	80 9W	2690	0	63	0			H
CORBIN	2009	02	CAROLINE	38 12	77 22W	220	46	46	0			H
COVINGTON FILTER PLANT	2044	05	ALLEGHANY	37 49	79 59W	1230	44	44	0			СН
CRAIGSVILLE 2 S	2064	05	AUGUSTA	38 4	79 24W	1780	0	42	0			H
CROZIER	2142	02	GOOCHLAND	37 40	77 53W	350	29	66	0			H
DALE ENTERPRISE DANVILLE	2208 2245	05 03	ROCKINGHAM PITTSYLVANIA	38 27	78 56W 79 23W	1400 410	122 87	124	0 0			СН
EARLEHURST	2600	05	ALLEGHANY	36 35 37 40	79 23W 80 15W	2037	87	114 29	0			H H
EASTVILLE	2635	01	NORTHAMPTON	37 23	75 59W	10	3	3	0			H
EDINBURG	2663	04	SHENANDOAH	38 49	78 34W	840	8	8	0			H
EMPORIA 1 WNW	2790	01	GREENSVILLE	36 42	77 34W	100	22	74	0			H
FARMVILLE 2 N	2941	02	CUMBERLAND	37 20	78 23W	450	83	85	0			H
FINCASTLE 7 NE	3006	05	BOTETOURT	37 33	79 48W	1305	0	1	0	SEPT		H
FLOYD 2 NE	3071	06	FLOYD	36 56	80 17W	2625	72	72	0	1		H
FREDERICKSBURG SEWAGE	3204	01	FREDERICKSBU	38 17	77 27W	15	10	10	0			H
FREE UNION	3213	03	ALBEMARLE	38 6	78 35W	570	0	50	0			Н
FRONT ROYAL	3229	04	WARREN	38 54	78 11W	930	9	9	0			Н
GALAX RADIO WBRF	3267	06	CARROLL	36 40	80 55W	2385	50	61	0			H
GATHRIGHT DAM	3310	05	ALLEGHANY	37 57	79 57W	1770	26	26	26			СН
GLASGOW 1 SE	3375	05	ROCKBRIDGE	37 37	79 26W	740	0	38	0			H
GLEN LYN	3397	06	GILES	37 22	80 52W	1520	48	91	0			H
GORDONSVILLE 3 S	3466	02	LOUISA	38 5	78 11W	460	9	44	0		JUNE	H
GOSHEN	3470	05	ROCKBRIDGE	37 59	79 30W	1350	0	65	0			H
GRUNDY	3640	06	BUCHANAN	37 17	82 5W	1170	44	54	0	1	1	H

STATION INDEX

	NO.	NO.				ELEVATION		EARS O RECORD		OPE OR CL DURIN	LOSED	SEE	
STATION		INDEX	DIVISION	COUNTY	LATITUDE	LONGITUDE	FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	REFERENCI NOTES
HAMPTON UNIVERSITY		3713	01	HAMPTON	37 1	76 20W	10	2	2	0			Н
HILLSVILLE HOLCOMB ROCK		3991 4039	06 03	CARROLL BEDFORD	36 48 37 30	80 47W 79 16W	2585 575	0	62 28	0 0	CEDE		H H
HOLLAND 1 E		4039	03	SUFFOLK	36 41	79 16W 76 46W	80	72	72	16	SEPT		H
HOLLIDAY LAKE		4044	03	APPOMATTOX	37 24	78 38W	480	/ 0	1	10	SEPT		H
HOPEWELL		4101	01	PRINCE GEORG	37 18	77 17W	40	112	117	0	DELI		H
HOT SPRINGS		4128	05	BATH	38 0	79 50W	2236	107	109	0			СН
HUDDLESTON 4 SW		4148	03	BEDFORD	37 8	79 32W	1045	0	55	0			Н
HURLEY 4 S		4180	06	BUCHANAN	37 22	82 3W	1088	0	5	0			СН
JOHN W FLANNAGAN LAKE		4410	06	DICKENSON	37 14	82 21W	1460	5	36	0			H
JOHN H KERR DAM		4414	02	MECKLENBURG	36 36	78 18W	250	56	56	53			CH
KERRS CREEK 6 WNW		4565	05	ROCKBRIDGE	37 52	79 34W	1500	0	43	0			H
KEYSVILLE 2 S		4568	02	CHARLOTTE	37 1	78 28W	530	0	26	0			H
LAFAYETTE 1 NE		4676	06	MONTGOMERY	37 14	80 12W	1320	0	54	0			H
LANGLEY AIR FORCE BASE		4720	01	HAMPTON	37 5	76 21W	10	119	168	0			H
LAWRENCEVILLE 3 E		4768 4777	02 06	BRUNSWICK RUSSELL	36 46 36 55	77 48W 82 3W	325 1710	59 16	59 16	0 0			H H
LEBANON LEXINGTON		4777	05	ROCKBRIDGE	36 55	82 3W 79 25W	1125	126	133	0			H H
LINCOLN		4909	04	LOUDOUN	37 46	79 25W 77 42W	500	103	104	0			H
LOUISA		5050	02	LOUISA	38 3	78 OW	420	89	89	0			H
LURAY 5 E		5096	04	PAGE	38 40	78 22W	1400	63	63	0			H
LYNCHBURG NO 2		5117	03	CAMPBELL	37 23	79 14W	740	6	6	0			H
LYNCHBURG INTL AP	R	5120	03	CAMPBELL	37 19	79 12W	940	133	133	0			СНЈ
MADISON		5150	04	MADISON	38 23	78 15W	580	5	5	0	MAR		H
MARTINSVILLE FILTER PL		5300	03	HENRY	36 42	79 52W	760	65	73	0			H
MEADOWS OF DAN 5 SW		5453	03	PATRICK	36 40	80 27W	2225	0	55	0			H
MILLGAP 2 NNW		5595	05	HIGHLAND	38 21	79 44W	2520	6	29	0			CH
MONTICELLO		5700	03	ALBEMARLE	38 1	78 27W	780	23	23	0			H
MOUNTAIN GROVE		5756	05	BATH	38 6	79 53W	1775	0	23	0	SEPT		H
MOUNT WEATHER MUSTOE 1 SW		5851 5880	04 05	LOUDOUN HIGHLAND	39 4 38 20	77 53W 79 40W	1720 2380	100 10	101 10	0 0			C H
NEWPORT 2 NNW		6046	06	GILES	37 18	80 30W	2060	0	59	0			Н
NORFOLK INTL AP	R	6139	01	NORFOLK	36 54	76 12W	30	59	59	0			C HJ
NORFOLK SOUTH	10	6147	01	NORFOLK	36 52	76 14W	100	1	1	0	MAR		Н
NORTH		6161	01	MATHEWS	37 26	76 26W	10	2	2	0			H
NORTH FORK LAKE		6173	06	WISE	37 7	82 38W	1675	6	36	0			Н
PAINTER 2 W		6475	01	ACCOMACK	37 35	75 49W	30	49	49	0			СН
PALMYRA 1 E		6491	02	FLUVANNA	37 52	78 15W	410	10	48	0			H
PEDLAR DAM		6593	03	AMHERST	37 40	79 17W	1010	_ 0	66	0			H
PENNINGTON GAP		6626	06	LEE	36 44	83 OW	1470	70	70	0	TIBLE		H
PETERSBURG		6656	02	PETERSBURG	37 14	77 24W	15	1	9	0	JUNE		Н
PHILPOTT DAM 2		6692	03	HENRY	36 47	80 2W	1123	52	52	52			СН
PIEDMONT RESEARCH STN POWHATAN		6712 6906	04	ORANGE POWHATAN	38 14 37 31	78 7W 77 53W	520 400	57 0	58 45	32 0			C H H
PULASKI		6955	06	PULASKI	37 31	80 47W	1850	44	45	0			C H
RICHLANDS		7174	06	TAZEWELL	37 6	81 48W	1910	16	16	0			Н
RICHMOND INTL AP	R	7201	02	HENRICO	37 30	77 19W	164	67	67	0			C HJ
ROANOKE 8 N		7278	05	ROANOKE	37 22	79 58W	1190	6	6	0			Н
ROANOKE INTL AP	R	7285	05	ROANOKE	37 19	79 58W	1175	70	72	0			C HJ
ROCKY MOUNT		7338	03	FRANKLIN	36 59	79 54W	1315	111	111	0			СН
SALTVILLE 1 N		7506	06	SMYTH	36 53	81 46W	1733	71	73	0			Н
SANDSTON		7541	02	HENRICO	37 33	77 17W	165	2	2	0			Н
SOMERSET		7904	04	ORANGE	38 15	78 16W	510	9	37	0			H
SOUTH BOSTON		7925	03	HALIFAX	36 42	78 53W	340	49	49	0			H
SPERRYVILLE		7985	04	RAPPAHANNOCK	38 39	78 14W	750	9	9	0			Н
STAFFORDSVILLE 3 ENE		8022	06	GILES	37 16	80 43W	1950	35	53	0			CH
STAR TANNERY		8046	04	FREDERICK	39 5	78 27W	950	10	10	0	I	1	CH

STATION INDEX

	ON ON ON ON ON ON ON ON ON ON ON ON ON O					ELEVATION	YEARS OF RECORD			OPENED OR CLOSED DURING YR		SEE
STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	TEMP.	PRECIP.	EVAP.	MONTH	MONTH	REFERENCE NOTES
STAUNTON SEWAGE PLANT STERLING RCS STONY CREEK 1 E STUART SUFFOLK LAKE KILBY 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 REAGAN AP RAYNESBORO SEWAGE WEST POINT 2 NW WILLIAMSBURG 2 N WILLIS WINCHESTER WINCHESTER WINCHESTER 7 SE WINTERPOCK 4 W WISE 3 E WOODSTOCK 2 NE WOOLWINE 4 S WYTHEVILLE 1 S	8062 8084 8129 8170 8192 8396 8547 8600 8737 8800 8829 8837 8888 8941 9025 9151 9169 9213 9215 9263 9272 9301	05 04 01 03 01 04 01 01 01 04 01 01 04 04 05 01 06 04 04 05 06 06 06 06 06 06 06 06 06 06 06 06 06	AUGUSTA LOUDOUN SUSSEX PATRICK SUFFOLK FAUQUIER GRAYSON NELSON FAIRFAX SUSSEX KING AND QUE CHESAPEAKE FAUQUIER RICHMOND LOUDOUN ARLINGTON WAYNESBORO KING WILLIAM YORK FLOYD FREDERICK FREDERICK CHESTERFIELD WISE SHENANDOAH PATRICK WYTHE	38 11 38 57 36 38 36 57 36 38 36 40 37 38 38 54 36 59 37 45 36 38 41 37 59 38 56 38 51 38 57 37 34 37 19 37 0 38 54 36 55	79 5W 77 29W 77 24W 80 15W 76 36W 77 45W 81 24W 78 56W 77 16W 77 0W 77 3W 76 26W 77 46W 77 46W 77 47 29W 77 29W 77 39W 80 30W 78 9W 78 7W 77 39W 80 16W 81 6W	1640 280 70 1375 222 530 2820 720 418 200 500 140 290 10 1280 20 70 2810 720 680 300 2549 680 1520 2450	112 28 45 45 58 0 42 9 30 71 0 52 54 43 64 4 51 52 50 106 0 101	118 28 45 45 59 66 56 56 72 78 51 59 25 23 98 26 50 112 54 131				С СС СС СС ССС СССССССССССССССССССССС

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.

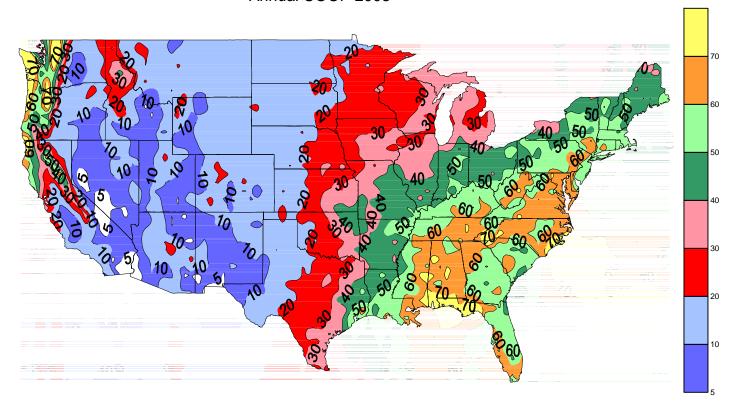
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

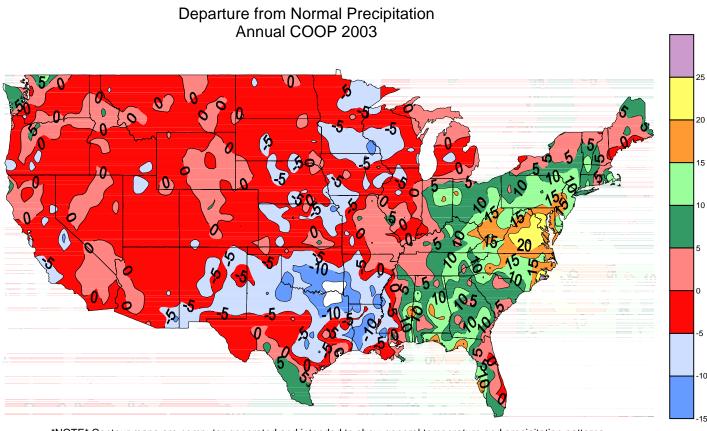
Additional information regarding the climate of this state may be obtained by writing to the address below or to any weather service office near you. The contents of this publication may be reprinted or otherwise used freely with proper credit to the National Climatic Data Center. The data are also available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

SUBSCRIPTION, PRICE, AND ORDERING INFORMATION AVAILABLE FROM:

NCDC Subscription Services Center 310 State Route 956 Building 300 Rocket Center, WV 26726

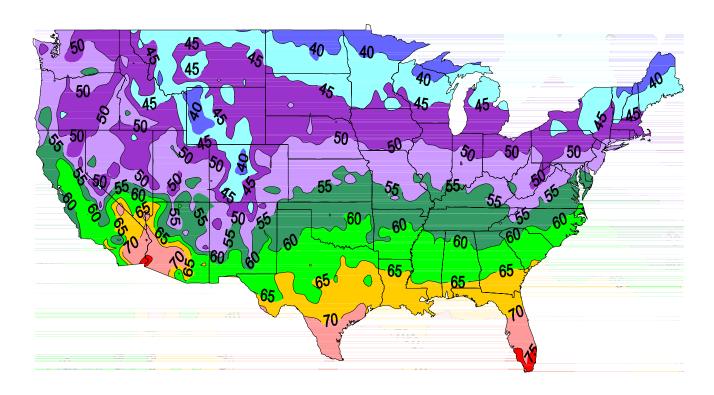
Total Precipitation (Inches) Annual COOP 2003



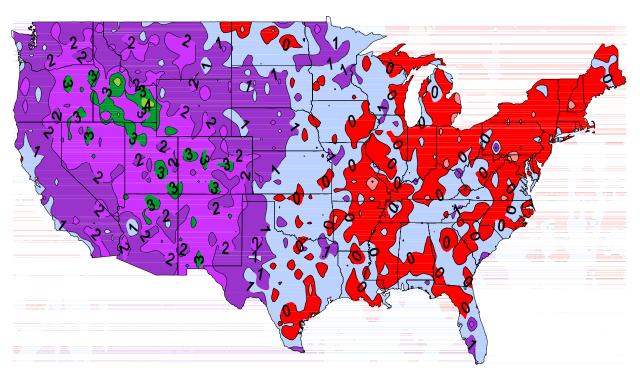


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

Average Temperature (Degrees F) Annual COOP 2003

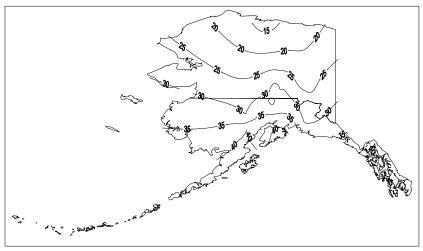


Departure of Average Temperature from Normal (Degrees F) Annual COOP 2003

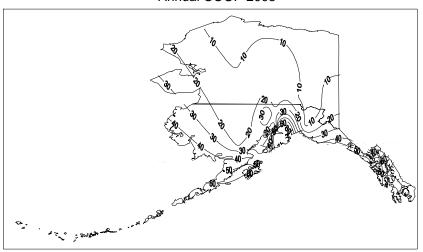


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

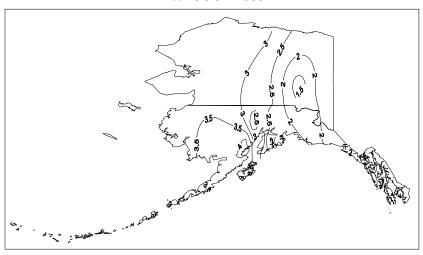
Average Temperature (Degrees F) Annual COOP 2003



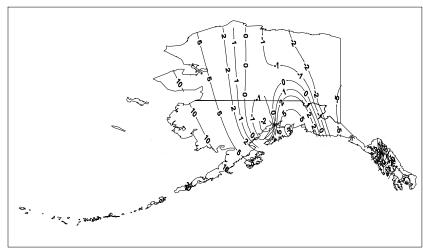
Alaska Precipitation (Inches) Annual COOP 2003



Departure of Average Temperature from Normal (Degrees F) Annual COOP 2003

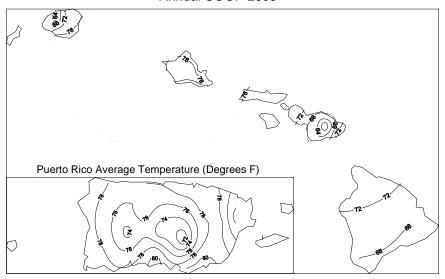


Departure of Normal Precipitation Annual COOP 2003

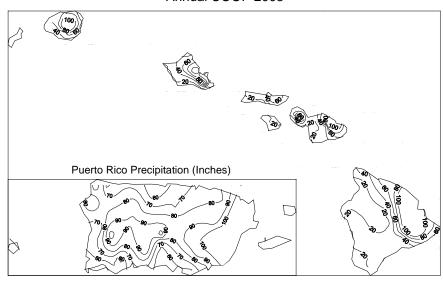


National Climatic Data Center, NOAA

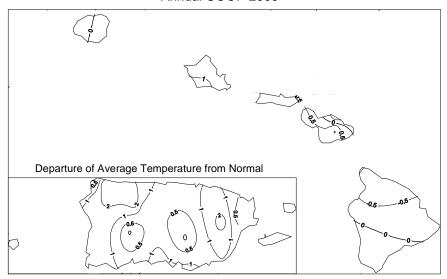
Hawaii Average Temperature (Degrees) Annual COOP 2003



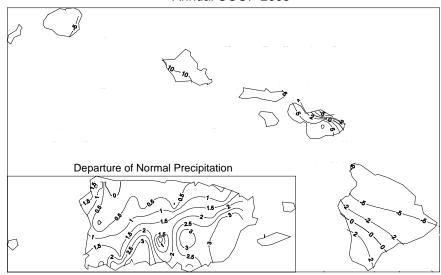
Hawaii Precipitation (Inches) Annual COOP 2003



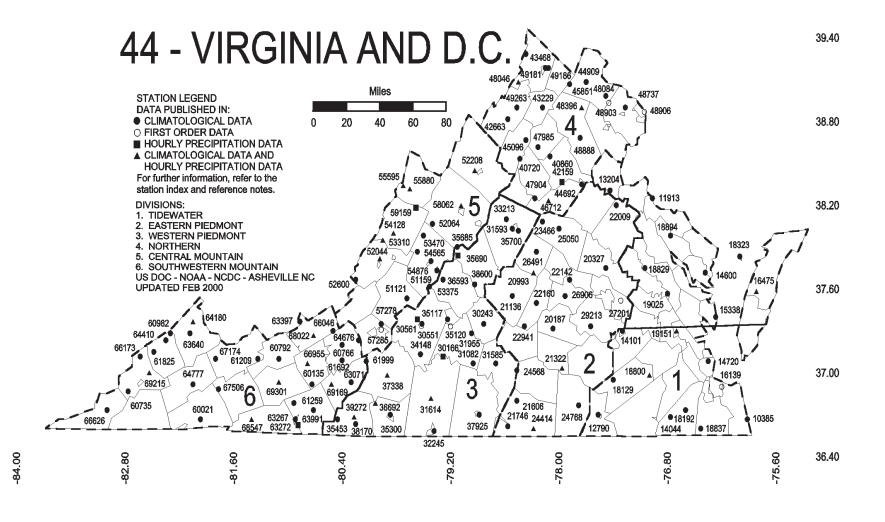
Departure of Average Temperature form Normal (Degrees) Annual COOP 2003



Hawaii Departure of Normal Precipitation Annual COOP 2003



National Climatic Data Center, NOAA



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.

For Information Call: National Climatic Data Center

(828) 271-4800 (Voice) Room 120 (828) 271-4010 (TDD) 151 Patton Avenue

(828) 271-4876 (Fax) Asheville, NC 28801-5001

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