

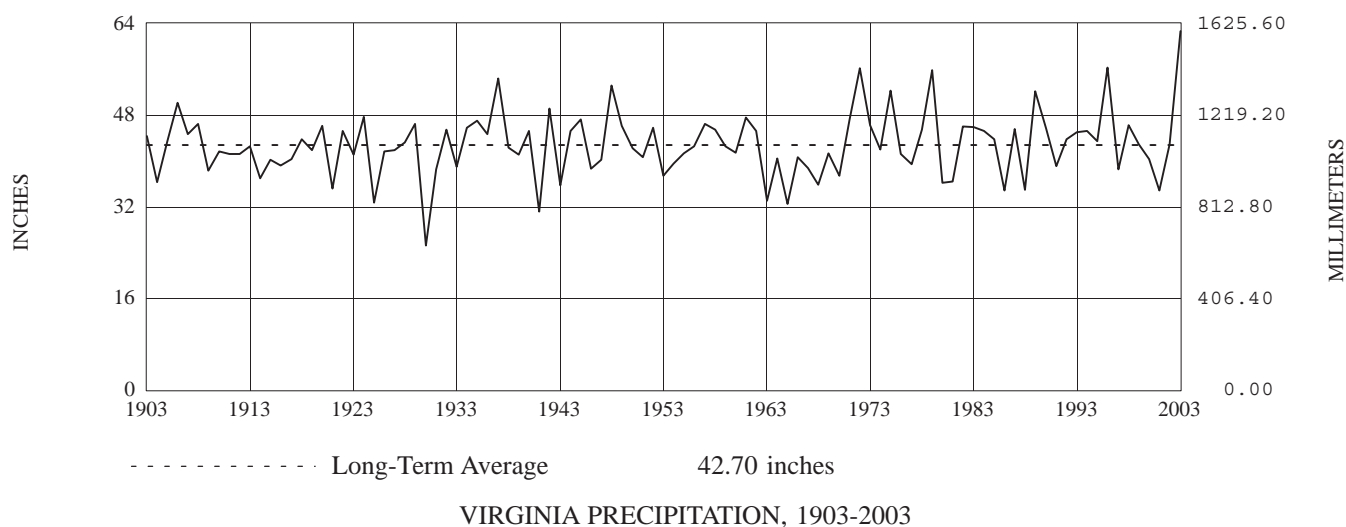
CLIMATOLOGICAL DATA ANNUAL SUMMARY

VIRGINIA

2003

VOLUME 113 NUMBER 13

ISSN 0364-5630



“I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites supervised by NOAA/National Weather Service and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.”

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

National
Oceanic and
Atmospheric Administration

National
Environmental Satellite, Data
and Information Service

National
Climatic Data Center
Asheville, North Carolina

VIRGINIA
2003

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	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		M		M	
NORFOLK INTL AP	2.34	-1.59	5.25	1.91	2.91	-1.17	6.39	3.01	4.66	.92	3.43	-.34
NORFOLK SOUTH							7.89		5.38		4.69	
NORTH	2.55		5.80		4.48		6.02		5.84		3.38	
PAINTER 2 W	M 2.25		5.13	1.84	4.66	.22	5.10	1.99	4.55	1.04	2.94	-.12
STONY CREEK 1 E	M 1.22		4.70	1.36	M 4.97		M 6.34		M 7.45		M 4.29	
SUFFOLK LAKE KILBY	3.00	-1.07	5.35	1.78	3.28	-1.13	6.63	3.31	6.52	2.66	3.96	-.06
WAKEFIELD 1 NW	2.85	-1.29	5.73	2.86	5.83	1.51	6.82	3.43	5.37	1.14	5.22	1.60
WALKERTON 2 NW	2.31	-1.42	M		4.88	.65	3.56	.53	9.42	5.36	4.87	1.29
WALLACETON LK DRUMMOND	4.29	-.55	6.20	2.08	4.17	-.47	6.69	2.98	5.59	1.12	7.87	4.18
WARSAW 2 NW	1.65	-1.84	5.11	2.29	4.57	.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	-1.14	6.30	2.85	5.74	1.10	6.25	3.01	4.83	.32	4.28	.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												
AMELIA 4 SW	2.14	-1.67	5.26	2.04	M 3.57		M		M			
AMELIA 8 NE												
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		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		M 4.41		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		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	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		6.28		4.32		4.65		10.97		7.60	

VIRGINIA
2003

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
TIDEWATER 01														
BACK BAY WILDLIFE REFU	5.52	1.01	4.85	-.54	M 8.99		M		M 1.69		M 7.00			
EASTVILLE	14.71		9.99		6.06		2.90		2.27		6.69		68.28	
EMPORIA 1 WNW	4.90	.36	M 6.07		10.39	6.18	2.81	-.65	1.91	-1.07	4.95	1.90	M 59.52	
FREDERICKSBURG SEWAGE	4.26		1.67		9.05		3.41		6.43		5.07		M 54.47	
HAMPTON UNIVERSITY	8.43		5.94		11.38		3.97		3.96		5.24		69.60	
HOLLAND 1 E	4.98	-.27	3.50	-1.79	11.81	6.97	4.40	.48	2.41	-.71	6.52	3.14	63.80	14.73
HOPEWELL	7.87	3.37	M 7.60		13.00	8.27	2.68	-.89	4.22	.93	4.87	1.72	M 71.17	
LANGLEY AIR FORCE BASE			M		M		M		M		M			
NORFOLK INTL AP R	8.56	3.39	6.08	1.29	9.54	5.48	3.91	.44	2.45	-.53	6.24	3.21	61.76	16.02
NORFOLK SOUTH	8.44		7.24		9.75		4.37		2.64		6.65			
NORTH	8.11		M 4.64		5.22		3.07		2.52		M 4.71		M 56.34	
PAINTER 2 W			6.81	2.88	4.56	.87	4.59	1.07	1.79	-1.31	7.28	3.94		
STONY CREEK 1 E	3.41	-1.13	5.51	1.08	10.57	6.15	3.15	-.35	M 2.52		5.37	2.45	M	
SUFFOLK LAKE KILBY	4.51	-.48	4.59	-.90	9.72	4.76	4.13	.49	1.92	-1.19	5.65	2.38	59.26	10.55
WAKEFIELD 1 NW	3.15	-1.36	9.35	5.00	11.11	6.37	3.15	-.13	2.99	.23	4.94	2.10	66.51	21.46
WALKERTON 2 NW	9.17	4.65	2.83	-.70	6.98	3.02	2.55	-.81	3.93	.75	4.34	1.08		
WALLACETON LK DRUMMOND	5.74	-.19	5.09	-.08	9.61	5.37	3.94	-.26	2.29	-1.21	6.66	2.93	68.14	15.90
WARSAW 2 NW	5.60	.95	7.08	2.96	10.27	5.92	3.04	-.47	3.60	.53	3.90	.87	61.83	17.98
WEST POINT 2 NW	8.30	3.82	5.68	1.49	12.99	8.36	2.96	-.61	3.67	.50	4.42	1.21	67.57	21.81
WILLIAMSBURG 2 N	10.21	4.87	M 7.78		11.06	6.10	3.50	-.11	2.55	-.84	5.86	2.52	M 71.41	
--DIVISIONAL DATA----->	7.07	2.64	5.79	1.41	9.62	5.81	3.45	.30	3.08	-.02	5.50	2.20	63.61	19.96
EASTERN PIEDMONT 02														
AMELIA 4 SW					M		M		4.19		M			
AMELIA 8 NE	7.88		M		11.53	7.57	2.44	-.98	3.36	.06	M 4.73	1.38	66.29	22.25
ASHLAND	7.82	3.56	5.92	2.08	9.58	6.13	2.45	-1.54	4.06	.75	M 4.00		M 60.72	
BREMO BLUFF	4.78	.71	M 3.50		9.40	5.20	2.92	-1.01	3.87	.20	3.93	.80	M 65.08	
BUCKINGHAM	7.88	3.65	5.38	1.39	10.67	6.51	2.81	-1.16	3.32	.08	4.53	1.35	73.10	26.59
CAMP PICKETT	6.67	2.28	6.67	2.48	9.48	5.27	2.71	-1.17	2.45	-.93	3.74	.49	M 61.70	
CHASE CITY	5.11	1.02	7.44	3.73	9.48		2.71	-1.17	2.45	-.93	3.74	.49	M 61.70	
CLARKSVILLE	M 8.90		4.40	1.25	M		3.28	-.19	M 2.30		4.08	1.09		
CORBIN	M 3.76		M 1.24		12.89	8.92	3.18	-.71	6.61	3.28	M 4.70		M	
CROZIER	5.81	2.08	3.75	-.33	8.97	5.17	2.40	-1.47	M 2.67		5.24	2.02	M 57.99	
FARMVILLE 2 N	4.85	.66	2.54	-1.32	10.75	6.81	2.35	-1.47	3.74	.33	3.24	.04	M 57.77	
GORDONSVILLE 3 S														
JOHN H KERR DAM	6.99	2.36	5.55	1.54	9.02	5.26	2.15	-1.52	2.77	-.33	5.27	2.27	61.49	17.41
KEYSVILLE 2 S	5.22	1.54	4.58	2.10	10.86	7.43	2.62	-.20	3.08	.47	3.91	1.30	M 61.02	
LAWRENCEVILLE 3 E	M 3.90		5.20	.97	M 10.15		2.67	-1.01	M 2.51		4.04	.92	M	
LOUISA	4.55	.10	3.88	.25	10.26	6.21	3.69	-.19	6.89	3.07	5.97	2.85	M 71.57	
PALMYRA 1 E	5.48	1.20	2.49	-1.49	8.86	5.03	2.85	-1.02	4.89	1.70	4.33	1.49	M 59.60	
PETERSBURG	5.69		7.18		M 13.10		3.22		2.98		4.80			
POWHATAN	9.33	5.08	4.54	.81	11.50	8.14	2.13	-1.29	4.07	.61	6.60	3.30	M 68.28	
RICHMOND INTL AP R	9.26	4.59	4.66	.48	10.12	6.14	2.43	-1.17	3.39	.33	4.28	1.16	63.29	19.38
SANDSTON	10.31		4.38		12.18		2.53		3.57		4.84		70.15	
WINTERPOCK 4 W	5.26	.80	3.12	-.43	13.59	9.49	2.49	-1.30	3.01	-.32	4.60	1.39	68.26	23.89
--DIVISIONAL DATA----->	6.55	2.35	4.97	.80	10.36	6.95	2.71	-1.06	4.02	.60	4.58	1.33	65.20	21.93
WESTERN PIEDMONT 03														
ALTAVISTA							2.27	-1.40	M 3.89		2.41	-.79		
APPOMATTOX	10.36	5.88	7.76	3.99	9.22	4.77	2.28	-1.58	4.90	1.29	M 3.83		M	
BEDFORD	7.50	2.96	8.50	4.99	4.50	.55	M 1.41		M 2.68		M 2.47		M	
BEDFORD 4 NW											M 3.45			
BROOKNEAL	7.94	3.60	2.97	-.86	9.52	5.90	2.76	-.96	4.12	.98	3.94	.78	66.80	22.56
CHARLOTTE COURT HOUSE	M 6.17		3.26	-.46	11.75	7.47	2.78	-1.21	M 5.11		M 3.22		M	
CHARLOTTESVILLE 2 W	7.52	2.58	7.23	3.09	10.91	6.06	4.14	-.08	5.32	1.58	4.52	1.26	74.55	25.68
CHATHAM	M 6.03		7.66	4.32	8.42	3.90	2.67	-1.00	M 2.12		4.11	.82	M 66.85	
CONCORD 4 SSW	9.18	5.00	2.17	-1.05	13.15	8.92	2.04	-1.71	M 4.09		3.79	.62	M 67.08	
DANVILLE	5.56	1.12	5.07	1.53	8.68	4.60	2.79	-.92	M 1.92		3.68	.52	M 63.28	
FREE UNION	6.54	1.46	7.56	3.66	10.33	5.96	3.20	-.77	5.18	1.23	M 4.29		M 71.58	
HOLCOMB ROCK											M			
HOLLIDAY LAKE											M			
HUDDLESTON 4 SW	6.32	2.59	5.68	2.45	4.22	-.01	2.35	-1.16	4.54	1.20	3.87	.81	61.54	18.65
LYNCHBURG NO 2	6.54		5.72		6.29		2.57		3.63		3.54		M 63.96	

VIRGINIA
2003

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
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	-.23	7.05	4.65	M 3.81		3.46	.57	9.53	5.47	M 7.95	
PEDLAR DAM	M 1.54		6.75	3.66	4.29	.36	M 2.94		8.90	4.26	7.07	3.27
PHILPOTT DAM 2	M .95		M 6.14		4.86	.31	4.82	1.00	M 4.62		M 6.05	
ROCKY MOUNT	M 1.42		M 5.67		M 5.28		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		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	1.68		3.91		2.72		3.08		5.42		6.51	
FRONT ROYAL	M 3.11		6.20		M 3.70		3.98		4.96		8.17	
LINCOLN	M 2.71		4.79	2.32	3.25	-.39	2.95	-.53	8.68	4.23	M 8.00	
LURAY 5 E	1.95	-1.13	M 3.94		M 3.58		3.82	.67	5.21	1.29	6.32	2.34
MADISON					M 5.11		M 3.41		7.47		9.45	
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	M											
VIENNA	M 2.55		6.30	3.45	4.13	.16	3.10	-.27	7.07	2.47	7.35	3.57
WARRENTON 3 SE												
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		4.57	.80	5.42	2.07	11.83	7.72	7.07	3.59
BUENA VISTA	M 1.48		6.55	3.89	4.03	.54	3.72	.52	8.68	4.79	4.74	1.37
COVINGTON FILTER PLANT	1.37	-1.19	5.92	3.50	2.46	-.88	3.59	.56	7.67	3.57	6.63	3.37
CRAIGSVILLE 2 S	M 1.45		6.41	3.69	2.86	-.72	4.56	1.11	6.25	1.71	7.71	3.60
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		M 3.91		M 2.37		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	5.57	2.80	3.45	-.08	3.44	.27	8.09	4.13	5.87	1.79
MILLGAP 2 NNW	1.54	-1.94	7.40	4.52	2.67	-1.36	4.62	1.02	7.43	2.78	7.69	3.62
MOUNTAIN GROVE												
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												
ABINGDON 3 S	M 2.68		M 7.50		2.56	-1.91	5.47	1.74	4.18	-.75	7.13	3.02
ALLISONIA 2 SSE	1.52	-1.55										
BIG STONE GAP	2.00	-2.61	11.81	7.47	1.69	-3.26	7.70	3.05	5.53	-.30	7.32	3.46

VIRGINIA
2003

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	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	
MONTECELLO	7.63	2.44	9.37	5.49	12.25	7.91	M 3.40		M 4.79		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	
ROCKY MOUNT	7.27	2.40	M 7.25		M 4.95		2.07	-1.44	4.51	1.25	M 3.38		M	
SOUTH BOSTON	4.74	.39	3.52	.10	7.89	4.05	2.72	-.92	2.44	-.67	4.61	1.47	63.97	19.56
STUART	M 8.00		8.62	4.23	4.77	.03	M 2.96		4.92	1.34	3.92	.34	M 71.35	
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		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		4.05		7.38		1.62		3.17		2.97		48.90	
FRONT ROYAL	5.68		2.53		11.13		M 2.44		3.80		M 3.47		M	
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	M		3.90	.39	14.98	10.63	2.25	-1.24	3.96	.47	M 4.82			
MADISON	4.16		7.28		9.93		4.00		M 4.50		M 2.37			
MOUNT WEATHER	5.29	1.39	4.03	.37	11.85	7.55	3.43	-.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
WOODSTOCK 2 NE	6.19	2.56	3.36	.10	8.66	5.00	1.95	-1.17	3.18	.33	M 2.50		M 55.93	
--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														
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	2.09	-1.45	5.82	2.10	6.65	3.60	M 62.79	
HOT SPRINGS	6.16	1.87	4.13	.72	9.07	5.37	2.12	-1.21	7.43	3.83	3.24	.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	
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		3.27		7.86		2.89		6.18		3.87		57.27	
ROANOKE 8 N	7.49		7.04		4.88		1.62		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		11.50		2.55		7.55		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 MOUNTAIN 06														
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

VIRGINIA
2003

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
BLACKSBURG NWSO R	1.21	-2.16	6.31	3.29	3.08	-.75	4.43	.60	6.18	1.79	7.57	3.64
BLAND	2.80	-.76	6.78	3.68	2.36	-1.39	4.44	1.09	4.78	.49	5.10	1.19
BREAKS INTERSTATE PARK	2.58		8.89		1.68		6.52		6.68		5.71	
BURKES GARDEN M	3.01		7.74		2.23	-1.93	4.57	.99	4.29	-.60	6.37	2.11
BYLLESBY DAM M	1.84		3.75		6.67		5.14	1.54	3.57	-.91	9.22	
CHRISTIANSBURG	1.12		6.85		3.34		4.25		5.49		7.30	
CLINTWOOD 1 W	2.02		8.08		1.50		7.56		7.24		6.78	
COPPER HILL	1.82	-1.61	6.63	3.65	5.31	1.31	4.84	.52	6.44	1.87	7.72	3.23
FLOYD 2 NE	1.92	-1.21	4.90		6.58	2.73	4.27	.51	5.46	1.37	7.32	3.49
GALAX RADIO WBRF	2.73		6.24		5.33	1.30	6.40	2.69	4.66	.04	8.21	4.15
GLEN LYN M	1.29		5.51		2.59		3.37		6.57	2.86	4.74	
GRUNDY	1.89	-1.62	8.14	5.02	1.15	-2.83	5.68	1.65	6.61	1.74	6.45	
HILLSVILLE	2.66	-.99	4.95		4.30		5.10		4.73	.13	6.44	
HURLEY 4 S	2.71		8.57		1.49		5.90		5.60		5.41	
JOHN W FLANNAGAN LAKE	2.08	-1.33	8.11	4.87	.87		7.07	3.44	6.07	1.49	4.49	
LAFAYETTE 1 NE	1.41	-1.80	6.59	3.75	3.31	-.12	4.86	1.42	7.11	3.15	7.15	3.64
LEBANON	2.61	-.25	6.25	2.73	1.78	-2.29	5.25	2.02	5.90	1.39	5.44	1.55
NEWPORT 2 NNW	1.62	-1.25	6.27	3.69	2.36	-.89	2.97	-.43	8.50	4.25	9.50	5.93
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	1.65
PENNINGTON GAP	2.16	-2.16	9.96	5.68	1.36	-3.05	7.18	3.07	6.49	1.54	9.23	4.72
PULASKI	1.51	-1.42	5.99	3.18	3.21	-.13	4.04		3.51	-.49	5.96	
RICHLANDS	2.05	-.98	6.63	3.72	1.32	-3.00	4.79	2.06	4.11	-.42	5.29	2.07
SALTVILLE 1 N	2.97	-.82	8.26	4.65	1.78	-2.55	5.72	1.87	4.69	.17	7.82	4.38
STAFFORDSVILLE 3 ENE	1.84	-1.32	6.03		2.55	-1.01	3.82	.35	7.76	3.60	7.43	3.50
TROUT DALE 3 SSE	1.96	-1.91	5.62	2.06	3.52	-.68	4.37	.72	5.88	1.15	7.17	2.78
WILLIS	1.38	-2.19	6.38	3.17	3.68	-.47	4.92		5.04	.66	8.41	4.45
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	1.51
WYTHEVILLE 1 S	1.86	-1.08	5.35		3.11	-.14	5.06	1.87	4.24	-.03	6.34	2.94
--DIVISIONAL DATA----->	2.04	-1.01	8.00	4.70	2.50	-1.25	5.78	2.14	5.53	1.23	6.78	3.01

VIRGINIA
2003

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.	PRECIP.	DEPART.
BLACKSBURG NWSO R	7.75	3.58	2.64	-1.04	4.06	.67	1.80	-1.39	3.87	.91	2.70	-.17	51.60	8.97
BLAND	5.84	2.37	4.84	1.41	5.72	2.60	2.12	-.64	4.43	1.80	4.16	1.27	53.37	13.11
BREAKS INTERSTATE PARK	4.80		3.61		3.84		2.11		6.60		4.03		57.05	
BURKES GARDEN	5.85	1.47	4.83	.79	4.57	1.10	2.74	-.37	6.60	3.46	4.01	.60	M 56.81	
BYLLESBY DAM	5.89	1.67	M 5.01		6.12	2.65	1.80	-1.43	M 4.23		M 1.60		M	
CHRISTIANSBURG	9.01		M 3.62		3.89		1.76		4.32		3.16		M 54.11	
CLINTWOOD 1 W	6.33		4.84		4.14		2.02		5.49		2.78		58.78	
COPPER HILL	7.72	3.53	6.44	2.53	6.42	1.77	2.79	-1.22	5.72	1.90	4.72	1.93	66.57	19.41
FLOYD 2 NE	5.34	2.13	3.27	.21	4.07	.30	1.86	-1.51	6.71	3.29	3.20	.69	M 54.90	
GALAX RADIO WBRF	5.86	1.95	4.86	1.45	3.58	-.15	1.66	-1.88	7.39	3.90	3.59	.68	M 60.51	
GLEN LYN	6.94	3.10	M 5.37		7.09	4.28	1.78	-.76	M 3.81		M 2.80		M	
GRUNDY	6.04	1.17	6.24	2.31	4.50	1.04	2.80	-.35	4.80	1.63	2.99	-.26	M 57.29	
HILLSVILLE	6.34	2.51	5.19	1.78	3.68	-.09	M 1.60		5.09	1.56	M .94		M	
HURLEY 4 S	5.59		5.40		3.93		2.19		5.49		3.79		56.07	
JOHN W FLANNAGAN LAKE	5.42	1.32	3.68	-.51	5.56	2.08	1.74	-1.24	M 2.61		3.53	.23	M 51.23	
LAFAYETTE 1 NE	6.45	2.74	4.04	.88	4.18	.95	1.84	-1.03	3.75	.90	2.87	.20	53.56	14.68
LEBANON	6.69	2.57	7.38	3.67	3.96	1.08	1.77	-.38	M 5.89		2.75	-.73	M 55.67	
NEWPORT 2 NNW	7.44	3.81	5.69	2.96	4.33	1.24	1.67	-1.41	4.73	1.97	2.71	.17	57.79	20.04
NORTH FORK LAKE	6.38	1.70	3.21	-.81	3.57	.00	2.30	-.73	5.58	2.33	3.07	-.45	55.74	8.61
PENNINGTON GAP	5.56	1.08	2.33	-1.52	4.09	.69	1.81	-1.16	5.95	2.10	3.47	-.79	59.59	10.20
PULASKI	7.33	3.65	1.76	-1.07	4.76	1.65	1.48	-1.45	3.67	1.12	3.25	.66	M 46.47	
RICHLANDS	5.00	.62	5.88	2.91	M 2.73		2.10	.02	M 6.33		3.19	-.51	M 49.42	
SALTVILLE 1 N	7.59	2.88	7.89	3.74	4.57	1.41	2.08	-.43	7.32	4.28	3.27	-.59	63.96	18.99
STAFFORDSVILLE 3 ENE	7.00	3.09	3.74	.50	3.08	-.12	1.62	-1.13	4.44	1.62	2.70	.12	M 52.01	
TROUT DALE 3 SSE	5.53	1.53	5.03	1.45	5.21	2.05	1.25	-2.00	5.17	1.83	3.59	.51	54.30	9.49
WILLIS	8.70	4.73	6.05	2.08	6.61	2.96	M 1.98		6.25	2.87	3.48	.23	M 62.88	
WISE 3 E	6.27	1.40	4.43	.61	2.94	-.64	1.96	-1.04	5.75	2.15	3.48	-.11	57.85	10.85
WYTHEVILLE 1 S	7.99	4.26	5.41	2.27	5.40	2.31	1.50	-1.38	5.62	2.94	2.72	.30	M 54.60	
--DIVISIONAL DATA----->	6.45	2.00	4.46	.78	4.27	.79	1.95	-1.50	5.59	2.36	3.28	.08	56.63	13.33

VIRGINIA
2003

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
	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	
VIRGINIA																											
TIDEWATER 01																											
BACK BAY WILDLIFE REFU	M		M		M		M57.5	.1	M		M		M		M		M		M		M		M		M		
EASTVILLE	34.5		M37.0		M		M53.5	62.1			72.7		M78.7		M		M		M		M		M41.5		M		
EMPORIA 1 WNW	34.9	-2.8	38.6	-1.8	50.2	2.0	57.4	.2	65.0	-.6	73.0	-.4	78.1	.2	78.7	2.5	70.9	.9	58.6	.0	55.6	6.2	40.4	-.8	58.5	.5	
FREDERICKSBURG SEWAGE	31.0		32.6		46.7		54.0		61.5		70.5		77.1		78.1		69.0		56.1		52.2		37.5		55.5		
HAMPTON UNIVERSITY	M		M42.7		M		M59.1	66.2			75.3		80.7		M		M		M		58.7		44.8		M		
HOLLAND 1 E	33.7	-4.0	38.5	-1.8	49.4	1.4	55.8	-.8	65.1	.0	73.2	.3	78.5	1.4	78.9	3.5	71.3	1.5	57.9	-.8	56.1	5.9	40.8	-.7	58.3	.5	
HOPEWELL	38.0	-1.7	40.1	-2.7	53.7	3.0	60.0	.2	66.7	-1.1	74.3	-1.3	79.7	.1	80.1	2.1	73.0	.9	61.8	.7	58.7	6.8	43.6	.1	60.8	.6	
LANGLEY AIR FORCE BASE	M35.1	-4.3	M39.2	-2.4	M50.6	1.8	M		M		M		M		M		M		M		M		M		M		
NORFOLK INTL AP	R	36.3	-3.8	41.0	-1.0	51.6	2.6	58.0	.6	65.7	-.6	75.0	.5	80.2	1.1	80.3	2.9	74.1	2.0	62.0	.9	58.1	5.8	44.4	.2	60.6	.9
NORFOLK SOUTH								58.0		65.0		74.2		79.3		79.5		73.0		60.8		56.4		42.1		M	
NORTH	33.5		36.5		47.9		54.9		62.1		71.4		77.1		M77.1		M		58.4		54.1		40.2		M		
PAINTER 2 W	34.2	-4.5	37.9	-2.5	49.6	2.0	56.0	-.2	62.5	-2.7	73.4	-.1	M		78.2	1.7	72.0	1.1	59.8	-.4	55.8	4.5	42.3	-.6	M		
STONY CREEK 1 E	33.0	-4.1	M38.6	-1.6	M		M57.5	-.1	M66.0	-.5	M73.7	-1.2	M77.6	-1.2	M79.3	3.1	M70.2	.2	M		M		M41.0	.7	M		
SUFFOLK LAKE KILBY	35.8	-3.8	41.1	-1.1	52.1	2.4	58.8	.7	65.7	-.9	74.0	-.2	78.4	-.1	79.4	2.6	72.7	1.4	61.2	.8	56.9	5.5	42.4	-1.0	59.9	.5	
WAKEFIELD 1 NW	33.7	-5.0	38.3	-3.0	50.5	1.5	57.2	-.4	64.5	-1.1	73.0	-.6	78.4	-.2	78.7	2.5	70.7	-.1	58.7	-.9	54.6	3.7	39.9	-2.0	58.2	-.5	
WALKERTON 2 NW	33.7	-3.4	M		50.8	2.7	57.1	-.2	64.2	-1.5	72.7	-.7	77.8	.4	78.8	2.9	71.0	1.4	58.9	.8	54.3	5.4	39.4	-1.0	M		
WARSAW 2 NW	34.9	-1.9	38.0	-1.8	51.5	3.9	58.3	1.5	64.6	-1.0	73.3	-.2	79.0	1.4	79.1	3.1	M70.2	.2	58.8	-.1	56.0	6.4	40.8	-.1	M58.7	1.0	
WEST POINT 2 NW	34.8	-3.5	37.3	-3.8	51.6	2.5	57.8	-.5	64.2	-2.7	73.0	-1.7	78.5	-.3	79.3	2.3	71.2	.2	59.4	-.5	55.3	4.6	40.7	-1.4	58.6	-.4	
WILLIAMSBURG 2 N	35.5	-3.0	38.4	-2.8	52.3	3.5	58.3	.5	64.9	-1.3	73.3	-.5	78.4	.3	79.2	2.7	71.8	1.0	60.5	.7	56.7	5.8	42.7	.2	59.3	.6	
--DIVISIONAL DATA----->	34.5	-2.7	38.5	-1.1	50.6	2.7	57.2	.6	64.5	-1.1	73.3	-.4	78.6	.8	79.0	2.3	71.6	.8	59.5	-.5	55.9	4.9	41.4	-.3	58.7	.5	
EASTERN PIEDMONT 02																											
AMELIA 4 SW	33.3	-1.7	36.8	-1.0	M		M		M				76.1		M		M		M		51.5		M		M		
AMELIA 8 NE													74.6		74.9		67.5	-1.2	56.4	-.8	52.6	4.8	38.0	-1.2	55.7	-.9	
ASHLAND	31.7	-3.8	34.7	-4.2	49.7	2.5	56.0	-.5	61.4	-3.1	70.6	-1.7	74.6	-.2	74.9	-.1	67.5	-1.2	56.4	-.8	52.6	4.8	38.0	-1.2	55.7	-.9	
BREMO BLUFF	30.2	-2.8	33.0	-3.4	48.9	4.2	54.8	.2	62.2	-1.6	70.9	-1.3	76.4	-.3	77.7	2.7	68.1	.3	55.3	-1.0	49.5	3.8	36.3	-.5	55.3	.0	
CAMP PICKETT	31.9	-3.7	35.4	-2.9	47.7	1.3	54.9	-.5	63.4	-.7	70.1	-2.1	75.8	-1.1	76.9	1.5	68.1	-.8	56.1	-.8	52.8	5.2	37.8	-1.3	55.9	-.5	
CHASE CITY	30.1	-5.6	35.3	-3.3	45.2	-1.9	53.1	-3.3	61.3	-3.9	69.4	-4.4	74.5	-3.7	75.5	-.6	66.5	-2.9	54.7	-.2	52.8	4.9	38.0	-1.0	54.7	-2.4	
CORBIN	30.7	-4.1	33.7	-4.4	46.1	-.2	54.6	-1.0	61.5	-2.8	70.8	-1.7	77.1	.3	77.4	2.1	68.9	.0	55.8	-1.5	51.8	3.6	36.2	-3.0	55.4	-1.1	
CROZIER	32.0	-2.9	34.9	-3.0	48.1	2.2	55.4	.0	61.8	-2.3	70.5	-1.9	76.8	-.4	77.8	2.1	68.7	-.3	56.5	-.3	52.1	4.4	38.5	-.4	56.1	-.2	
FARMVILLE 2 N	32.7	-4.0	35.9	-3.9	48.4	.6	55.0	-1.9	62.6	-2.5	70.2	-2.9	76.4	-.8	76.5	1.0	67.5	-1.4	56.6	-1.1	52.7	4.3	38.1	-1.9	56.1	-1.2	
GORDONSVILLE 3 S	30.3		32.5		46.6		53.5		M		M				M78.2	1.3	69.3	-1.3	58.3	-.7	55.2	5.3	39.7	-1.8	M57.7	-.6	
JOHN H KERR DAM	33.5	-4.3	37.4	-3.0	48.6	.4	55.9	-1.3	64.9	-.9	72.9	-1.0	78.3	-.1	M78.2	1.3	69.3	-1.3	58.3	-.7	55.2	5.3	39.7	-1.8	M57.7	-.6	
LAWRENCEVILLE 3 E	30.4	-6.5	36.1	-3.5	48.7	1.0	55.7	.0	63.6	-.7	70.5	-1.7	75.1	-1.4	76.4	1.4	66.2	-2.5	56.5	-1.2	52.9	4.3	38.2	-2.2	55.9	-1.1	
LOUISA	29.5	-3.4	33.5	-2.9	48.6	3.9	55.3	1.2	62.7	.3	70.6	.3	76.3	1.9	76.7	4.0	67.1	.9	55.3	.5	50.9	5.7	36.3	.0	55.2	1.0	
PALMYRA 1 E	32.3		35.2		48.8		55.8		61.8		69.9		75.7		77.3		68.2		56.4		52.2		38.3		56.0		
PETERSBURG							57.4		65.1		72.9		77.9		79.2		70.4		58.7		53.9		40.6		M		
RICHMOND INTL AP	R	33.7	-2.7	36.7	-2.8	49.6	1.9	56.9	-.2	63.5	-1.9	72.7	-.8	77.8	-.1	78.3	2.0	70.0	.2	58.1	-.2	53.9	4.9	39.6	-.8	57.6	.0
SANDSTON		32.3		35.4		48.5		55.9		63.1		M70.9		77.5		77.7		69.5		56.5		52.3		38.1		M56.5	
--DIVISIONAL DATA----->	31.6	-3.4	35.1	-3.0	48.1	1.0	55.3	-.9	62.8	-1.9	70.9	-1.7	76.4	-.1	77.2	1.8	68.3	-.5	56.5	-1.0	52.5	3.9	38.1	-1.0	56.1	-.5	
WESTERN PIEDMONT 03																											
APPOMATTOX	30.9	-3.4	M36.8	-.6	M50.0	4.6	55.5	.6	M61.9	-1.4	M69.6	-2.0	74.7	-1.2	76.0	1.7	67.1	-.6	M55.9	-.1	53.1	6.4	37.6	-.4	M55.8	.3	
BEDFORD	32.7	-1.9	35.1	-2.2	M47.9	2.0	55.8	1.0	62.1	-1.2	68.4	-.2	74.1	-1.6	74.9	.9	66.5	-1.0	55.1	-1.7	51.4	4.3	37.1	-1.5	M55.1	-.5	
BROOKNEAL	27.0	-7.1	30.9	-5.8	43.0	-1.6	49.3	-4.2	57.2	-5.4	64.7	-6.5	69.8	-6.0	71.0	-3.6	61.7	-5.6	49.8	-.5	45.9	.7	31.3	-5.4	50.1	-4.6	
CHARLOTTE COURT HOUSE	29.5	-5.7	35.2	-3.2	48.0	1.4	55.0	-.5	63.0	-.8	71.8	-.4	75.7	-.8	76.3	1.1	66.2	-2.4	55.0	-1.9	49.8	2.1	36.8	-2.3	55.2	-1.1	
CHARLOTTESVILLE 2 W	31.5	-4.0	34.2	-4.5	48.3	1.4	55.5	-1.6	61.9	-3.3	70.2	-2.7	76.3	-.6	76.4	1.0	67.6	-1.6	56.4	-1.9	52.8	3.9	38.1	-1.2	55.8	-1.3	
CHATHAM	31.5	-3.1	35.4	-2.0	47.8	2.7	53.8	-.1	61.8	-.8	68.3	-2.7	74.7	-.5	75.2	1.7	65.9	-1.0	54.4	-.5	50.2	4.3	35.7	-2.2	54.6	-.4	
DANVILLE	34.8	-1.8	38.3	-1.4	50.7	2.8	56.4	-.9	64.7	-1.4	71.7	-2.7	7														

VIRGINIA
2003

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

STATION	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	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	26.8	-4.9	33.5	-1.3	47.5	5.0	53.6	3.0	61.5	1.5	66.2	-1.8	70.7	-1.5	72.1	1.5	63.4	-1.0	52.2	-.3	48.0	4.5	33.5	-1.4	52.4	.3
SALTVILLE 1 N	29.4	-2.6	34.1	-1.0	48.7	5.2	53.6	1.3	62.4	1.0	67.5	-1.6	72.2	-.9	74.0	2.2	65.4	.0	53.4	-.1	48.8	4.9	33.4	-1.8	53.6	.6
STAFFORDSVILLE 3 ENE	29.0	-1.7	32.6	-1.3	46.2	3.9	52.3	1.5	59.4	-.2	65.2	-1.9	71.0	-.3	72.2	2.4	63.8	.4	51.6	-.6	47.8	4.7	33.1	-1.7	52.0	.4
WISE 3 E	28.5	-4.2	34.6	-1.8	48.2	3.5	55.4	2.3	61.5	.7	65.4	-2.4	69.9	-1.5	70.8	.6	63.1	-1.4	54.7	.1	49.5	4.3	35.2	-1.4	53.1	-.1
WYTHEVILLE 1 S	27.1	-3.8	32.0	-1.8	45.7	4.1	51.4	1.6	59.5	.6	65.0	-1.4	70.0	-.8	71.7	2.3	62.2	-1.1	51.5	-.4	48.2	5.7	32.5	-1.7	51.4	.3
--DIVISIONAL DATA----->	28.0	-3.7	33.3	-1.4	47.1	3.0	53.2	.9	60.8	.2	66.0	-1.7	70.9	-.2	72.1	1.8	63.5	-.7	52.5	-1.0	48.3	3.9	33.2	-2.4	52.4	.0

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	-	
EMPORIA 1 WNW	0	0	0	28	89	253	415	430	193	14	25	0	1447	1298
FREDERICKSBURG SEWAGE	0	0	0	9	31	189	383	412	143	4	14	0	1185	
HAMPTON UNIVERSITY	-	B 0	-	B 27	98	320	498	498	-	-	39	0	-	
HOLLAND 1 E	0	0	2	15	92	258	425	440	205	7	36	0	1480	1210
HOPEWELL	0	0	6	46	105	288	463	473	256	39	41	0	1717	1619
LANGLEY AIR FORCE BASE	B 0	B 0	B 4	-	-	-	-	-	-	-	-	-	-	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	B 177	-	-	B 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 8 NE	-	-	-	-	-	-	353	-	-	-	8	-	-	
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	-	-	-	-	-	-	-	-	-	
JOHN H KERR DAM	0	0	0	22	90	249	420	B 421	151	13	22	0	B1388	1383
LAWRENCEVILLE 3 E	0	0	0	15	48	184	319	357	84	2	15	0	1024	1127
LOUISA	0	0	0	14	44	193	356	370	106	2	12	0	1097	854
PALMYRA 1 E	0	0	1	20	31	174	337	391	129	8	14	0	1105	
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	B 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	0	0	0	15	42	221	343	357	79	0	1	0	1058	1146
CHARLOTTEVILLE 2 W	0	0	0	34	42	189	357	359	99	8	27	0	1115	1212
CHATHAM	0	0	0	3	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	1	6	0	835	
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	9	0	1004	967
TYE RIVER 1 SE	0	0	0	13	44	151	330	344	110	5	13	0	1010	976
NORTHERN 04														
BIG MEADOWS	0	B 0	B 0	-	0	-	B 44	-	-	B 0	-	-	-	180
BOSTON 4 SE	0	0	0	8	21	135	286	317	74	0	8	0	849	
EDINBURG	0	0	0	1	15	106	240	284	45	0	2	0	693	

Heating Degree Days data found in July issue of Climatological Data

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
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	B 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	-	B 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														
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	
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														
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	0	0	0	6	24	77	208	232	57	0	1	0	605	
BURKES GARDEN	0	0	0	0	11	36	105	100	25	0	2	0	279	225
CHRISTIANSBURG	0	0	0	1	21	79	208	240	43	1	5	0	598	
CLINTWOOD 1 W	0	0	0	0	21	63	165	204	41	0	0	0	494	
FLOYD 2 NE	0	0	0	1	13	54	155	176	34	1	0	0	434	369
GALAX RADIO WBRF	0	0	0	0	15	77	155	200	38	0	3	0	488	410
GRUNDY	0	0	0	4	29	99	234	257	79	1	2	0	705	1035
JOHN W FLANNAGAN LAKE	-	B 0	-	B 0	-	B 104	B 220	-	-	B 1	-	-	-	
LEBANON	0	0	0	0	28	99	206	239	48	0	6	0	626	631
NORTH FORK LAKE	-	B 0	-	B 1	-	B 103	-	-	-	-	-	-	-	
PENNINGTON GAP	0	0	0	2	46	128	250	299	86	1	1	0	813	828
PULASKI	0	0	0	0	19	74	196	227	43	1	6	0	566	574
RICHLANDS	0	0	0	0	23	89	185	224	45	0	0	0	566	622
SALTVILLE 1 N	0	0	0	0	26	109	231	285	73	3	4	0	731	734
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	38	0	1	0	502	503

Heating Degree Days data found in July issue of Climatological Data

VIRGINIA
2003

TOTAL EVAPORATION AND WIND MOVEMENT

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
VIRGINIA TIDEWATER HOLLAND 1 E	01	WIND	-	-	-	-	-	-	-	-	-	-	-	-
		EVAP	-	-	-	5.37	5.05	6.52	6.83	6.03	5.48	3.44	-	-
		MAX TEMP	-	-	-	M 80.8	81.1	90.9	95.4	M 95.5	87.1	72.8	-	M -
		MIN TEMP	-	-	-	M 59.6	58.3	66.2	72.6	M 72.9	64.6	51.3	-	M -
EASTERN PIEDMONT JOHN H KERR DAM	02	WIND	-	-	-	-	887	696	1079	802	877	742	-	-
		EVAP	-	-	-	-	4.03	4.69	5.69	5.82	4.65	2.03	-	-
		MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-
		MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-
WESTERN PIEDMONT PHILPOTT DAM 2	03	WIND	-	-	-	669	549	375	293	184	295	B 268	364	-
		EVAP	-	-	-	2.58	4.33	4.58	4.35	5.38	3.05	2.89	1.62	-
		MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-
		MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN PIEDMONT RESEARCH STN	04	WIND	-	-	1764	1690	1067	1097	1199	990	1434	1338	1454	-
		EVAP	-	-	-	4.57	3.72	5.56	6.65	6.01	4.68	3.52	2.76	-
		MAX TEMP	-	-	M -	64.5	71.1	82.2	87.9	87.7	77.7	64.7	56.1	M -
		MIN TEMP	-	-	M -	42.1	51.2	58.3	64.2	65.4	56.1	43.8	39.7	M -
CENTRAL MOUNTAIN GATHRIGHT DAM	05	WIND	-	-	-	-	-	-	-	-	-	-	-	-
		EVAP	-	-	-	-	-	-	-	-	-	-	-	-
		MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-
		MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-

STATION INDEX

STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	YEARS OF RECORD			OPENED OR CLOSED DURING YR		SEE REFERENCE
							TEMP.	PRECIP.	EVAP.	MONTH OPENED	MONTH CLOSED	
												NOTES
VIRGINIA												
ABINGDON 3 S	0021	06	WASHINGTON	36 40	81 58W	1920	36	36	0	AUG	MAY	H
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			C H
AMELIA 4 SW	0187	02	AMELIA	37 19	78 4W	360	36	36	0			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
BEDFORD	0551	03	BEDFORD	37 21	79 31W	975	76	90	0			H
BEDFORD 4 NW	0561	03	BEDFORD	37 23	79 34W	1220	0	1	0	SEPT		C H
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	0766	06	MONTGOMERY	37 12	80 25W	2100	52	52	0			C H
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			C H
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	78 31W	552	0	69	0			H
BUENA VISTA	1159	05	ROCKBRIDGE	37 44	79 22W	830	5	66	0			H
BURKES GARDEN	1209	06	TAZEWELL	37 6	81 20W	3300	107	109	0			H
BYLLESBY DAM	1259	06	CARROLL	36 47	80 56W	2555	0	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			H
CHARLOTTESVILLE 2 W	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			C H
CHRISTIANSBURG	1692	06	MONTGOMERY	37 8	80 24W	2100	9	9	0			H
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			C H
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	2208	05	ROCKINGHAM	38 27	78 56W	1400	122	124	0			C H
DANVILLE	2245	03	PITTSYLVANIA	36 35	79 23W	410	87	114	0			H
EARLEHURST	2600	05	ALLEGHANY	37 40	80 15W	2037	0	29	0			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			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			H
FRONT ROYAL	3229	04	WARREN	38 54	78 11W	930	9	9	0			H
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			C H
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			H

VIRGINIA
2003

STATION INDEX

STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	YEARS OF RECORD			OPENED OR CLOSED DURING YR		SEE REFERENCE NOTES
							TEMP.	PRECIP.	EVAP.	MONTH OPENED	MONTH CLOSED	
HAMPTON UNIVERSITY	3713	01	HAMPTON	37 1	76 20W	10	2	2	0			H
HILLSVILLE	3991	06	CARROLL	36 48	80 47W	2585	0	62	0			H
HOLCOMB ROCK	4039	03	BEDFORD	37 30	79 16W	575	0	28	0	SEPT		H
HOLLAND 1 E	4044	01	SUFFOLK	36 41	76 46W	80	72	72	16			H
HOLLIDAY LAKE	4046	03	APPOMATTOX	37 24	78 38W	480	0	1	0	SEPT		H
HOPEWELL	4101	01	PRINCE GEORG	37 18	77 17W	40	112	117	0			H
HOT SPRINGS	4128	05	BATH	38 0	79 50W	2236	107	109	0			C H
HUDDLESTON 4 SW	4148	03	BEDFORD	37 8	79 32W	1045	0	55	0			H
HURLEY 4 S	4180	06	BUCHANAN	37 22	82 3W	1088	0	5	0			C H
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			C H
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	02	BRUNSWICK	36 46	77 48W	325	59	59	0			H
LEBANON	4777	06	RUSSELL	36 55	82 3W	1710	16	16	0			H
LEXINGTON	4876	05	ROCKBRIDGE	37 48	79 25W	1125	126	133	0			H
LINCOLN	4909	04	LOUDOUN	39 5	77 42W	500	103	104	0			H
LOUISA	5050	02	LOUISA	38 3	78 0W	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	5120	03	CAMPBELL	37 19	79 12W	940	133	133	0			C HJ
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			C H
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	5851	04	LOUDOUN	39 4	77 53W	1720	100	101	0			H
MUSTOE 1 SW	5880	05	HIGHLAND	38 20	79 40W	2380	10	10	0			C H
NEWPORT 2 NNW	6046	06	GILES	37 18	80 30W	2060	0	59	0			H
NORFOLK INTL AP	6139	01	NORFOLK	36 54	76 12W	30	59	59	0			C HJ
NORFOLK SOUTH	6147	01	NORFOLK	36 52	76 14W	100	1	1	0	MAR		H
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			H
PAINTER 2 W	6475	01	ACCOMACK	37 35	75 49W	30	49	49	0			C H
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 0W	1470	70	70	0			H
PETERSBURG	6656	02	PETERSBURG	37 14	77 24W	15	1	9	0	JUNE		H
PHILPOTT DAM 2	6692	03	HENRY	36 47	80 2W	1123	52	52	52			C H
PIEDMONT RESEARCH STN	6712	04	ORANGE	38 14	78 7W	520	57	58	32			C H
POWHATAN	6906	02	POWHATAN	37 31	77 53W	400	0	45	0			H
PULASKI	6955	06	PULASKI	37 3	80 47W	1850	44	44	0			C H
RICHLANDS	7174	06	TAZEWELL	37 6	81 48W	1910	16	16	0			H
RICHMOND INTL AP	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			H
ROANOKE INTL AP	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			C H
SALTVILLE 1 N	7506	06	SMYTH	36 53	81 46W	1733	71	73	0			H
SANDSTON	7541	02	HENRICO	37 33	77 17W	165	2	2	0			H
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			H
STAFFORDSVILLE 3 ENE	8022	06	GILES	37 16	80 43W	1950	35	53	0			C H
STAR TANNERY	8046	04	FREDERICK	39 5	78 27W	950	10	10	0			C H

STATION INDEX

STATION	INDEX NO.	DIVISION NO.	COUNTY	LATITUDE	LONGITUDE	ELEVATION FEET	YEARS OF RECORD			OPENED OR CLOSED DURING YR		SEE REFERENCE NOTES
							TEMP.	PRECIP.	EVAP.	MONTH OPENED	MONTH CLOSED	
STAUNTON SEWAGE PLANT	8062	05	AUGUSTA	38 11	79 5W	1640	112	118	0			C H
STERLING RCS	8084	04	LOUDOUN	38 59	77 29W	280	28	28	0			H
STONY CREEK 1 E	8129	01	SUSSEX	36 57	77 24W	70	45	45	0			H
STUART	8170	03	PATRICK	36 38	80 15W	1375	45	45	0			H
SUFFOLK LAKE KILBY	8192	01	SUFFOLK	36 44	76 36W	22	58	58	0			H
THE PLAINS 2 NNE	8396	04	FAUQUIER	38 54	77 45W	530	0	59	0			C H
TROUT DALE 3 SSE	8547	06	GRAYSON	36 40	81 24W	2820	0	69	0			C H
TYE RIVER 1 SE	8600	03	NELSON	37 38	78 56W	720	42	66	0			H
VIENNA	8737	04	FAIRFAX	38 54	77 16W	418	9	56	0			H
WAKEFIELD 1 NW	8800	01	SUSSEX	36 59	77 0W	200	30	30	0			C H
WALKERTON 2 NW	8829	01	KING AND QUE	37 45	77 3W	50	71	72	0			H
WALLACETON LK DRUMMOND	8837	01	CHESAPEAKE	36 36	76 26W	20	0	78	0			H
WARRENTON 3 SE	8888	04	FAUQUIER	38 41	77 46W	500	52	52	0			H
WARSAW 2 NW	8894	01	RICHMOND	37 59	76 47W	140	54	54	0			H
WASHINGTON DULLES INTL R	8903	04	LOUDOUN	38 56	77 29W	290	43	43	0			C HJ
WASHINGTON REAGAN AP R	8906	04	ARLINGTON	38 51	77 2W	10	64	64	0			C HJ
WAYNESBORO SEWAGE	8941	05	WAYNESBORO	38 5	78 53W	1280	4	4	0			H
WEST POINT 2 NW	9025	01	KING WILLIAM	37 34	76 48W	20	51	51	0			H
WILLIAMSBURG 2 N	9151	01	YORK	37 18	76 42W	70	54	59	0			C H
WILLIS	9169	06	FLOYD	36 55	80 30W	2810	0	25	0			C H
WINCHESTER	9181	04	FREDERICK	39 11	78 9W	720	23	23	0			H
WINCHESTER 7 SE	9186	04	FREDERICK	39 11	78 7W	680	99	98	0			H
WINTERPOCK 4 W	9213	02	CHESTERFIELD	37 19	77 39W	300	0	26	0			H
WISE 3 E	9215	06	WISE	37 0	82 32W	2549	50	50	0			C H
WOODSTOCK 2 NE	9263	04	SHENANDOAH	38 54	78 29W	680	106	112	0			H
WOOLWINE 4 S	9272	03	PATRICK	36 47	80 16W	1520	0	54	0			C H
WYTHEVILLE 1 S	9301	06	WYTHE	36 56	81 6W	2450	101	131	0			C H

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.

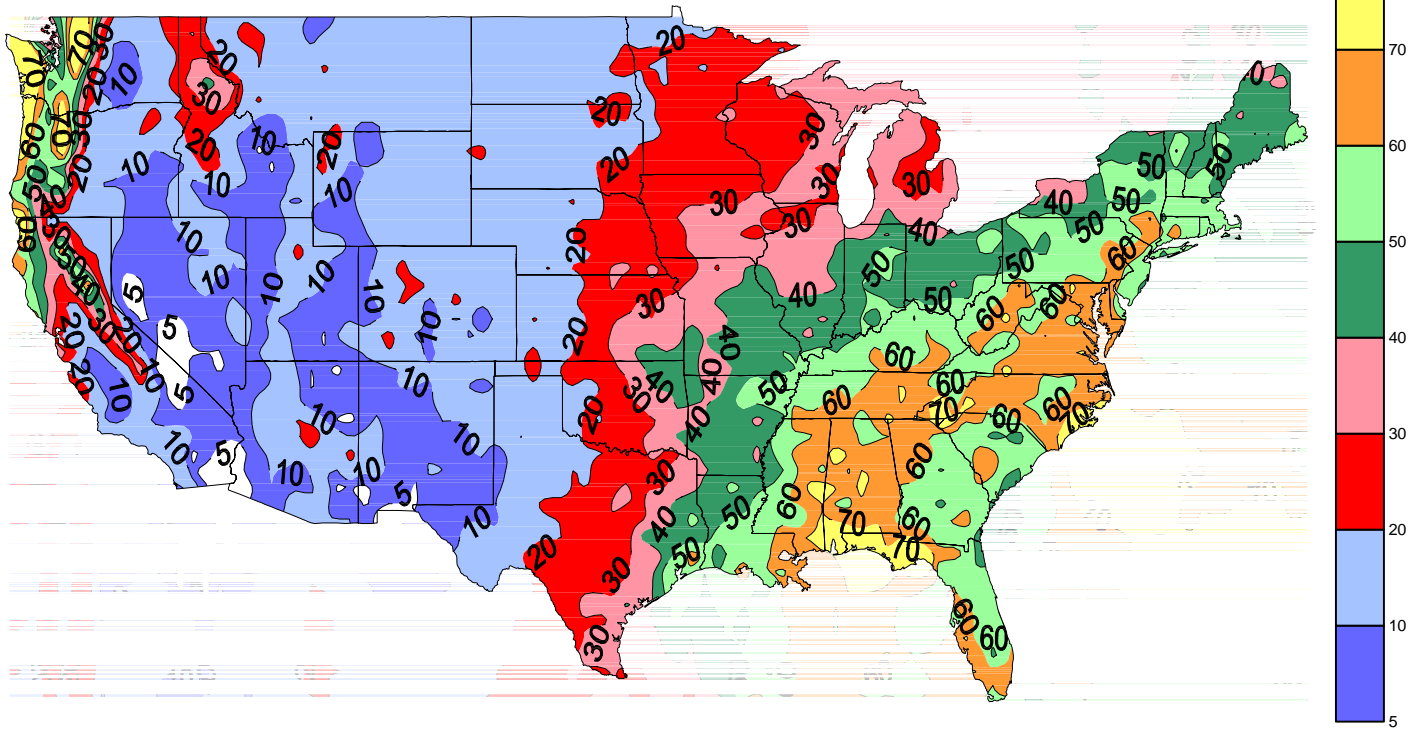
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information of regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

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.

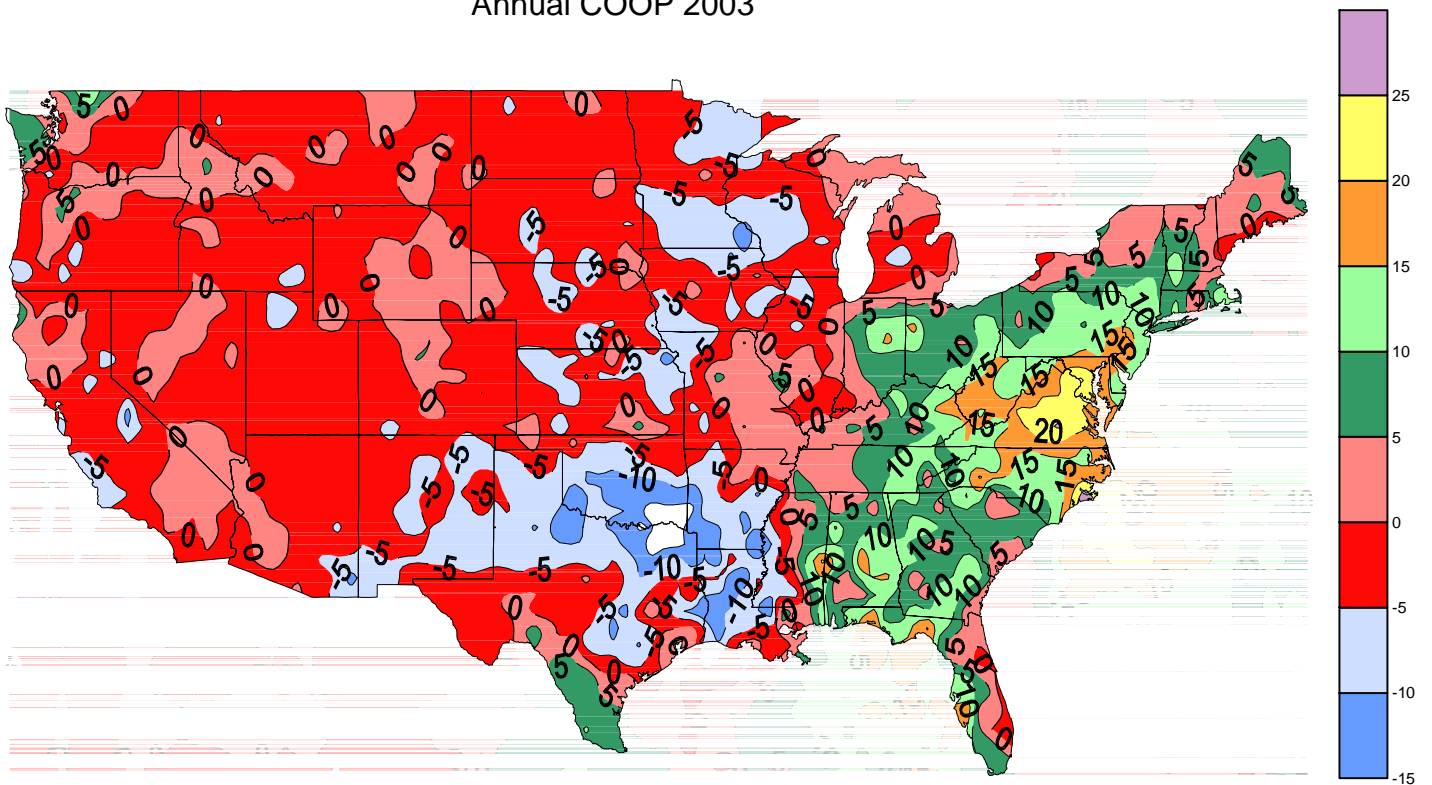
SUBSCRIPTION, PRICE, AND ORDERING INFORMATION AVAILABLE FROM:

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

Total Precipitation (Inches)
Annual COOP 2003

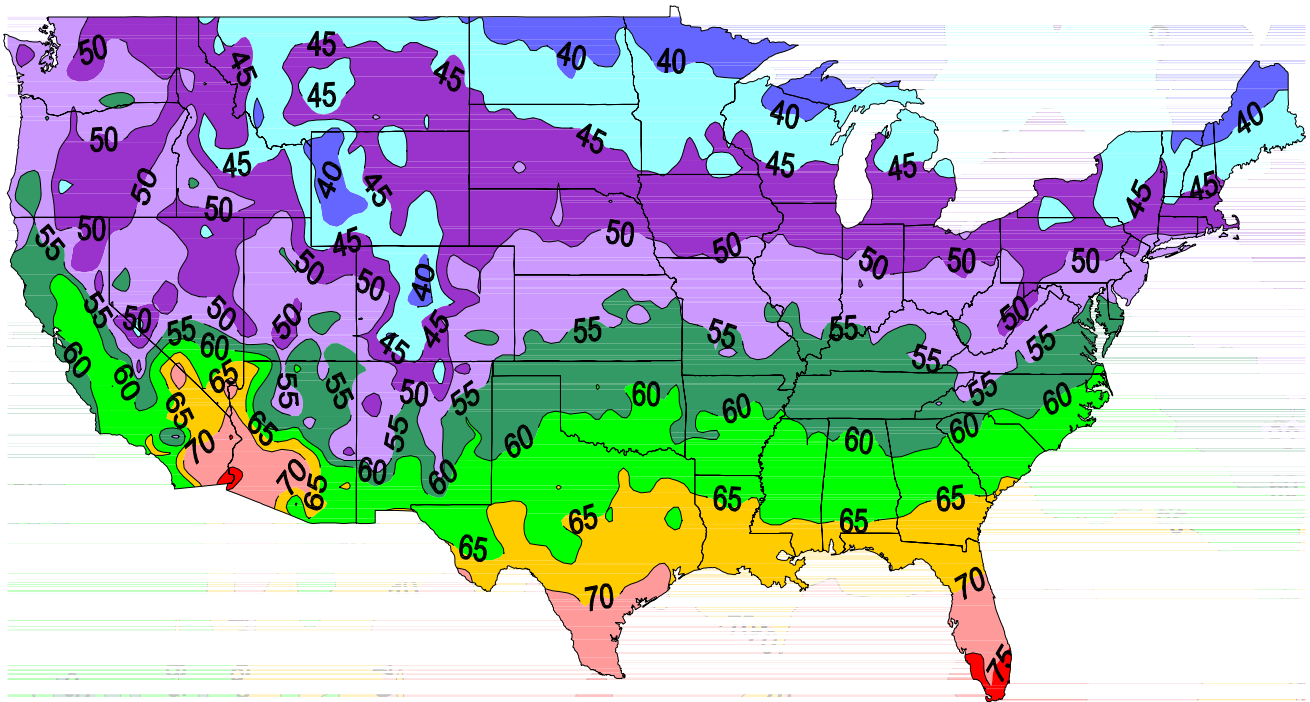


Departure from Normal Precipitation
Annual COOP 2003

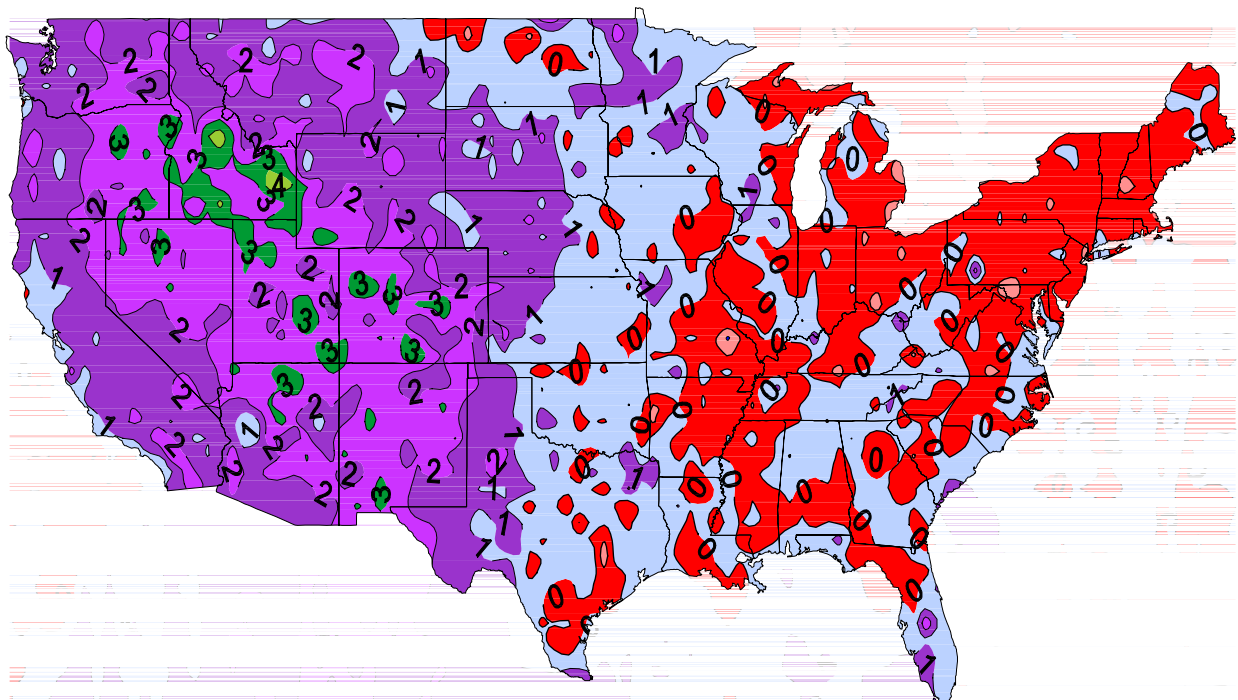


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

Average Temperature (Degrees F)
Annual COOP 2003

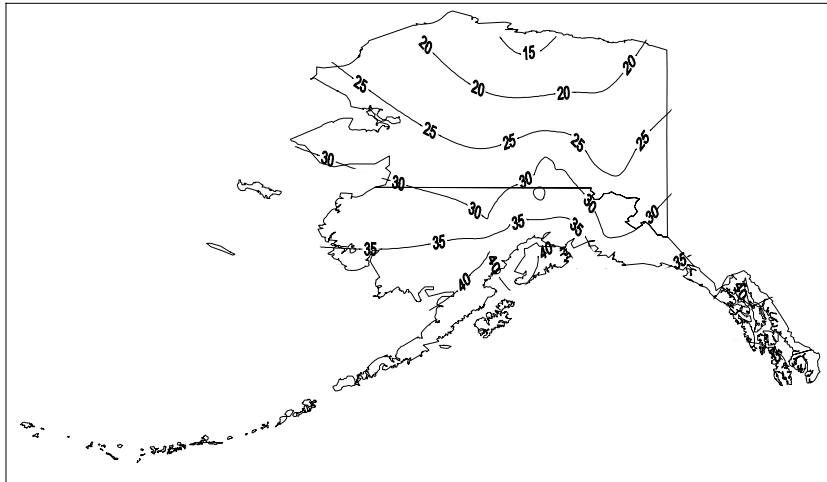


Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2003

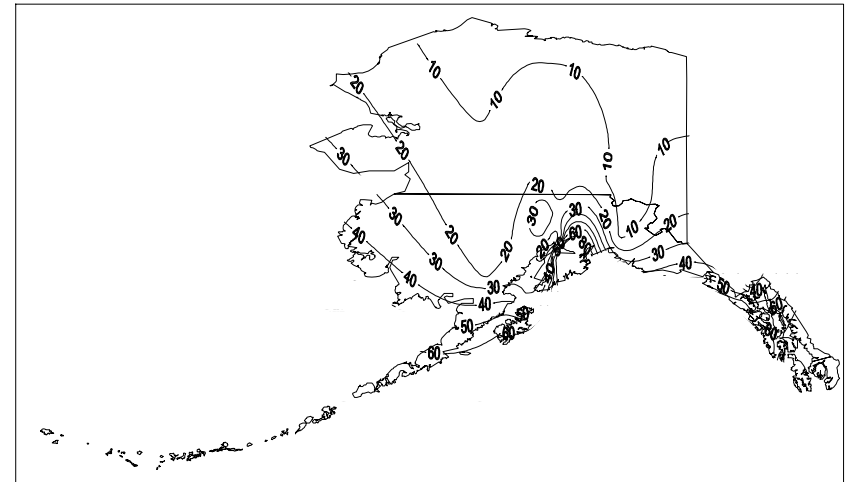


NOTE Contour maps are computer-generated and intended to show general temperature and precipitation patterns. Therefore, contours may not always account for individual datum points.

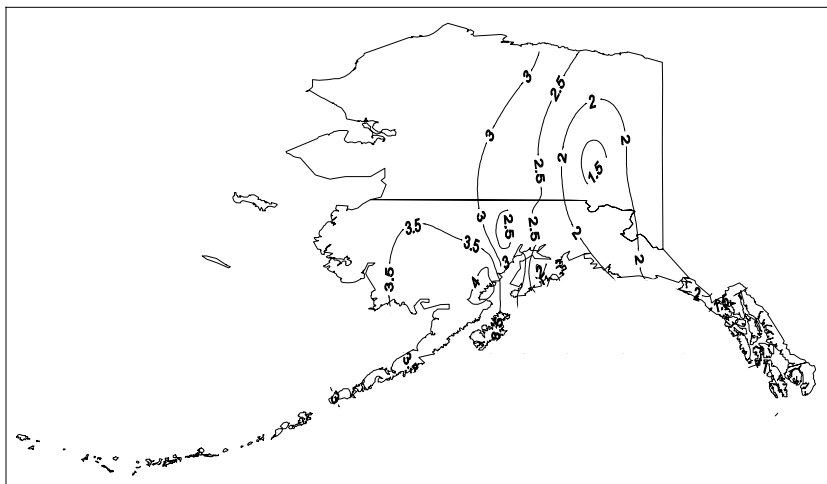
Average Temperature (Degrees F)
Annual COOP 2003



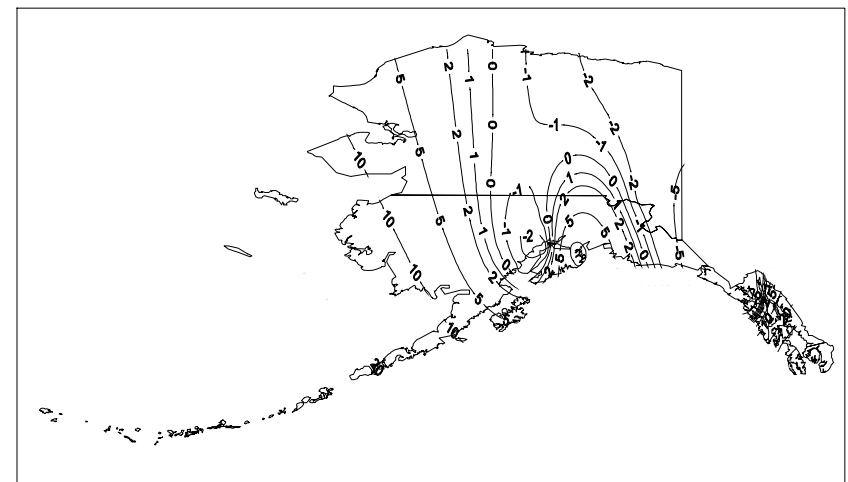
Alaska Precipitation (Inches)
Annual COOP 2003



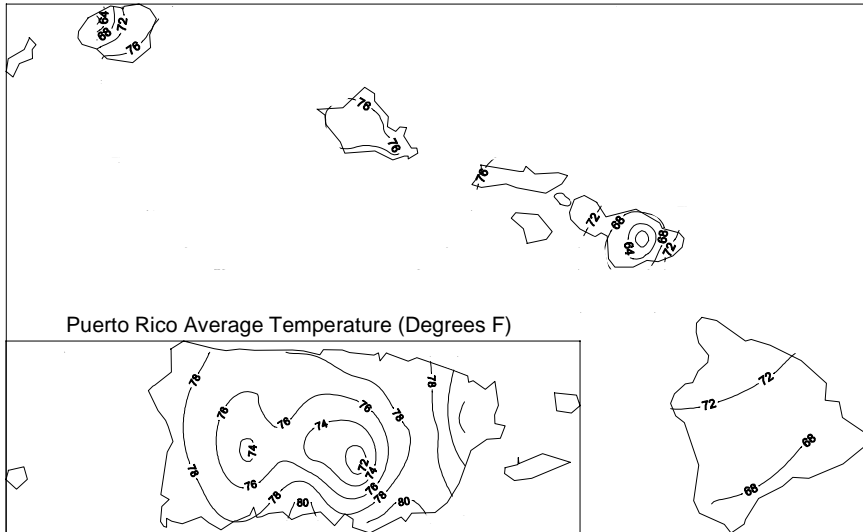
Departure of Average Temperature from Normal (Degrees F)
Annual COOP 2003



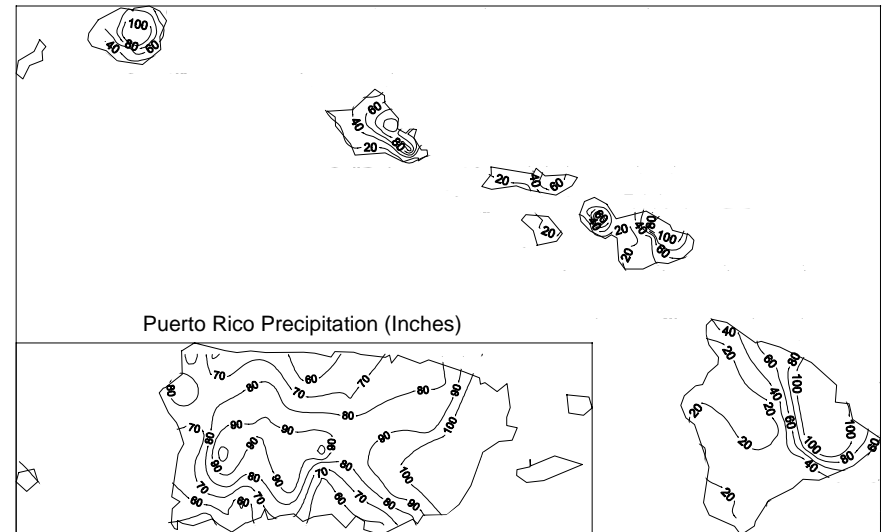
Departure of Normal Precipitation
Annual COOP 2003



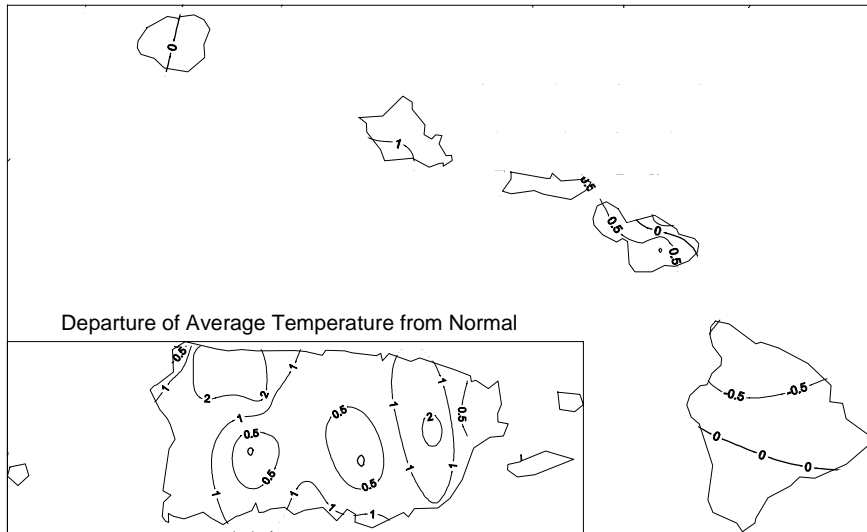
Hawaii Average Temperature (Degrees)
Annual COOP 2003



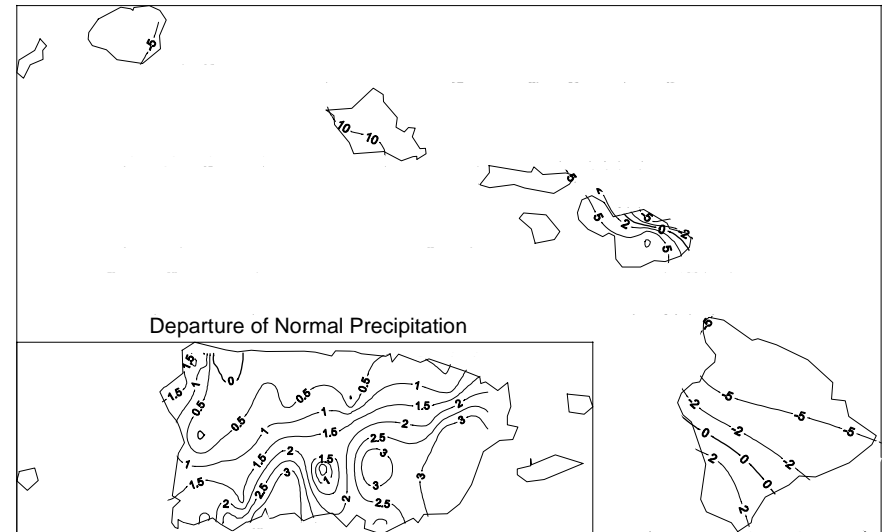
Hawaii Precipitation (Inches)
Annual COOP 2003



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



Hawaii Departure of Normal Precipitation
Annual COOP 2003



40.60

40.00

44 - VIRGINIA AND D.C.

39.40

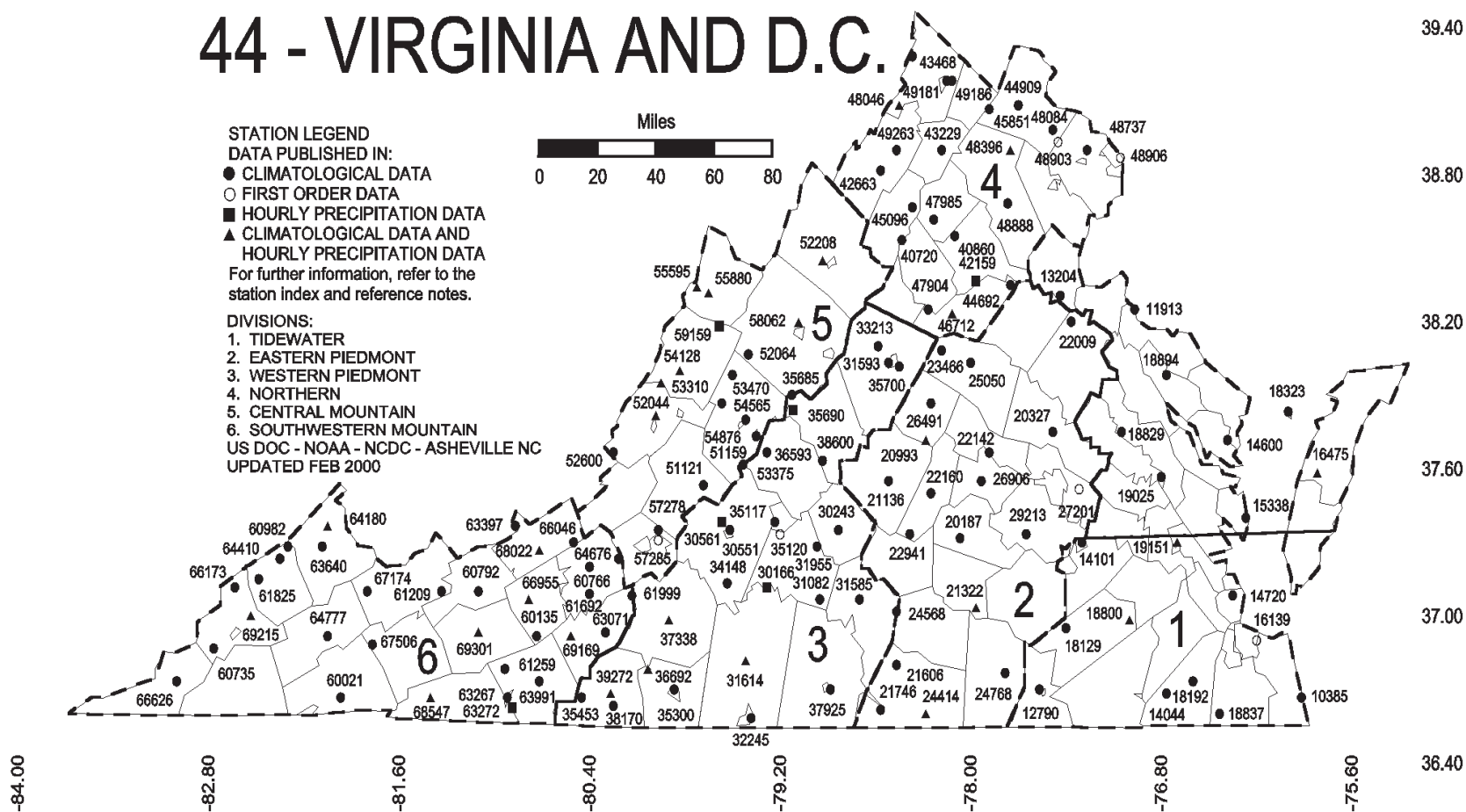
38.80

38.20

37.60

37.00

36.40



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 hundredths 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:

(828) 271-4800 (Voice)
(828) 271-4010 (TDD)
(828) 271-4876 (Fax)

National Climatic Data Center
Room 120
151 Patton Avenue
Asheville, NC 28801-5001

To change your address, please return a copy of the mailing label along with your new address to: National Climatic Data Center (Subscription Services).

Inquiries/Comments Call: (828) 271-4800 (Voice)
(828) 271-4010 (TDD)
(828) 271-4876 (Fax)

National Climatic Data Center
Room 120
151 Patton Avenue
Asheville, NC 28801-5001

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
ADDRESS CORRECTION REQUESTED

<p>PRSRT STD POSTAGE & FEES PAID United States Department of Commerce NOAA Permit No. G-19</p>
--