

CLIMATOLOGICAL DATA ANNUAL SUMMARY

VIRGINIA

1991

VOLUME 101 NUMBER 13



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noaa

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1991

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
VIRGINIA												
TIDEWATER 01												
BACK BAY WILDLIFE REFU	M 6.08		1.63		M 5.56		4.62		1.32		3.22	
COLONIAL BEACH					4.21		1.69		1.62		2.67	
EMPORIA 1 WNW	4.41	1.17	.72	-2.57	M 4.87	1.41	1.16	-1.74	1.55	-2.34	5.73	-2.25
FREDERICKSBURG NATL PK	3.87	.76	.95	-1.93	M 5.02		1.89	-1.17	1.84	-1.63	1.59	-2.05
HOLLAND 1 E	4.24	.19	.99	-2.56	4.98	1.02	4.13	1.08	1.18	-2.85	1.52	-2.75
HOPEWELL			1.27	-1.98	5.20	1.52	1.31	-1.86	1.03	-2.79	3.06	-.40
KILMARNOCK 1 N	5.24		1.26		4.92		2.03		1.30		2.66	
LANGLEY AIR FORCE BASE	4.35	.63	.90	-2.59	4.49	.23	3.43	.59	M 89		1.15	
MATHEWS 2 ENE	4.80		1.12		4.53		3.24				5.20	
NORFOLK WSO AIRPORT	4.74	1.02	.84	-2.44	4.70	.84	6.39	3.52	.64	-3.11	4.54	-1.09
PAINTER 2 W	5.55	2.14	1.06	-2.25	4.49	.36	3.12	.20	.83	-2.64	2.39	-1.12
STONY CREEK 3 ESE	6.01		1.23				.86		.82		4.87	
SUFFOLK LAKE KILBY	3.29	.61	.75	-2.89	4.60	.49	5.35	2.40	1.32	-2.49	4.89	.85
TANGIER ISLAND					5.47		2.51		.77		2.10	
WAKEFIELD 2	3.86		.66		2.75		2.15		.65		4.12	
WALKERTON 2 NW	3.32	.00	1.10	-2.08	6.07	2.40	1.18	-1.76	.99	-2.87	3.18	-.85
WALLACETON LK DRUMMOND	5.62	1.59	1.25	-2.39	M 4.95		5.42	2.21	3.65	-.49	2.15	-1.85
WARSAW 2 NW	3.45	.28	.77	-1.97	5.43	1.92	1.32	-1.64	1.64	-2.37	3.38	-.31
WEST POINT 2 SW	4.42		1.30		5.16		1.83		.72		3.50	
WILLIAMSBURG 2 N	4.55	.81	1.46	-2.03	5.88	1.66	2.34	-.64	.87	-3.53	5.14	.93
--DIVISIONAL DATA-->	4.51	1.00	1.08	-2.15	5.02	1.09	2.76	-.16	1.11	-2.59	3.63	-.07
EASTERN PIEDMONT 02												
AMELIA 4 SW	4.55		1.51		5.99		1.50		2.35		1.52	
ASHLAND	2.93		1.05		4.63		1.31		.99		3.47	
BREMO BLUFF	3.56	.48	2.20	-.88	4.29	.48	1.77	-1.15	M 3.11		3.33	-.27
BUCKINGHAM	3.13	.04	2.47	-.47	5.04	1.32	2.63	-.52	3.17	-.63	3.20	-.12
CAMP PICKETT	4.85		3.44		5.59		1.54		1.19		4.08	
CHASE CITY	4.90	1.14	2.91	-.55	6.50	2.96	1.76	-1.37	2.87	-.56	3.45	-.12
CLARKSVILLE	4.59	.96	.92	-2.47	M 6.92		1.85	-1.32	1.99	-1.70	3.62	.01
CORBIN	3.17		1.08		4.40		1.50		2.33		3.10	
CROZIER	3.53		1.07		4.36		1.19		1.08		3.51	
CUMBERLAND	3.38		1.95		4.81		1.48		2.73		4.94	
FARMVILLE 2 N	4.77	1.31	4.40	1.10	5.69	1.80	1.59	-1.57	2.32	-1.50	2.56	-1.07
GORDONSVILLE 3 S	3.56		1.10		4.32		2.20		1.54		4.77	
JOHN H KERR DAM	4.17	.77	1.71	-1.54	5.09	1.50	1.89	-1.10	1.12	-2.45	3.88	.48
KEYSVILLE 8 N	1.23		2.26		M 4.44		1.07		1.13		3.45	
LAWRENCEVILLE 3 E	4.54	.92	1.18	-2.50	4.91	.92	.87	-2.21	1.37	-2.58	3.57	-.44
LOUISA	4.67	1.60	.98	-2.09	3.08	-.73	2.03	-1.01	.92	-2.47	4.20	.26
PALMYRA 1 E	2.91		1.87		3.90		2.02		1.12		5.74	
POWHATAN	3.78		1.10		4.50		1.16		1.71		3.56	
RICHMOND WSO AIRPORT	R 3.62	.39	1.09	-2.04	5.87	2.30	.87	-2.03	.91	-2.64	6.24	2.64
WINTERPOCK 4 W	4.75		1.37		5.97		1.45		1.44		2.55	
--DIVISIONAL DATA-->	4.11	.79	1.89	-1.30	5.03	1.27	1.49	-1.60	1.59	-2.07	3.58	-.08
WESTERN PIEDMONT 03												
ALTAVISTA	4.33	1.12	2.13	-.94	8.17	4.57	2.74	-.18	3.16	-.65	1.38	-1.87
APPOMATTOX	3.26	.26	2.24	-.84	M 7.27	3.40			1.99	-1.80	2.12	-1.28
BEDFORD	5.18	2.10			M 6.30				M 2.03		1.97	-1.91
CHARLOTTE COURT HSE 3W	3.98	.73	1.94	-1.22	6.30	2.50		-1.23	2.25	-1.22	2.09	-1.64
CHARLOTTESVILLE 2 W	4.13	.85	1.46	-1.72	5.49	1.33	2.67	-.61	1.99	-2.18	2.38	-1.53
CHATHAM	4.56	1.15	1.83	-1.49	7.21	3.05	2.89	-.65	2.64	-1.25	5.03	1.43

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1991

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
VIRGINIA														
TIDEWATER 01														
BACK BAY WILDLIFE REFU	8.45		6.47		2.82		5.40		.87		2.40		M 48.84	
COLONIAL BEACH	5.32	M			3.42		2.76		.91	M				
EMPORIA 1 WNW	6.36	1.45	7.08	2.66	5.11	1.46	3.57	.61	1.29	-1.54	1.88	-1.51	43.73	1.31
FREDERICKSBURG NATL PK	4.12	.44	.86	-3.55	2.55	-.81	2.06	-1.14	1.72	-2.32	6.11	2.81	M 31.58	
HOLLAND 1 E	7.95	2.73	4.58	-.86	5.07	.99	4.17	-.13	1.43	-1.57	2.54	-.92	42.78	-5.37
HOPEWELL	5.39	.34	4.14	-.48	7.29	3.20	2.70	-.93	.87	-2.21	3.41	.02		
KILMARNOCK 1 N	4.32		2.22		4.08		4.66		.57		4.66		37.92	
LANGLEY AIR FORCE BASE	7.09	2.29	2.58	-2.19	2.46	-2.14	3.03	-.36	1.02	-1.89	2.24	-1.02		
MATHEWS 2 ENE	5.97		2.40		2.62		4.67		.54		3.65		39.63	
NORFOLK WSO AIRPORT	6.46	1.31	3.77	-1.56	2.04	-2.31	4.65	1.24	1.72	-1.16	2.43	-.74	42.92	-2.30
PAINTER 2 W	2.94	-1.16	2.69	-1.59	2.10	-1.31	5.52	1.95	1.33	-1.63	3.21	-.16	35.23	-7.21
STONY CREEK 3 ESE	1.66		4.89		4.75		2.74		1.32	M				
SUFFOLK LAKE KILBY	8.84	3.85	4.84	-.36	3.38	-.90	2.91	-.72	1.50	-1.44	3.02	-.42	44.69	-2.24
TANGIER ISLAND	2.69		3.65		2.70		4.34		.80		5.14			
WAKEFIELD 2	9.80		6.21		3.20		2.80		.42		2.25	M	38.87	
WALKERTON 2 NW	3.07	-1.64	2.18	-2.68	4.29	.61	2.76	-.64	.86	-2.62	3.57	.17	32.57	-11.96
WALLACETON LK DRUMMOND	6.78	1.81	M		2.70	-1.47	4.90	.85	1.90	-.96	2.10	-1.50		
WARSAW 2 NW	2.81	-1.57	4.76	.43	4.31	.12	3.08	-.45	.45	-2.85	4.27	1.07	35.67	-7.34
WEST POINT 2 SW	3.20		1.54		4.44		3.61		1.25		3.86		34.83	
WILLIAMSBURG 2 N	7.75	2.52	2.80	-1.88	2.67	-1.75	3.59	.03	.91	-2.30	3.34	-.09	41.30	-6.27
--DIVISIONAL DATA----->	5.70	1.18	3.76	-.96	3.65	-.29	3.63	.24	.99	-2.04	3.41	.13	39.25	-4.62
EASTERN PIEDMONT 02														
AMELIA 4 SW	3.97		4.98		4.71		1.63		1.06		4.66		38.43	
ASHLAND	7.23		1.54		3.05		2.13		1.09		5.21		34.63	
BREMO BLUFF	10.01	6.51	3.33	-.73	2.38	-.70	M		1.45	-1.57	6.23	3.10		
BUCKINGHAM	7.17	3.41	3.63	-.39	1.40	-2.32		.90	2.19	-.76	6.18	3.05	41.11	-.04
CAMP PICKETT	2.73		4.43		4.00		2.89	-2.65	1.02		3.36		39.12	
CHASE CITY	3.48	-.24	1.35	-2.51	2.60	-.86	M		1.42	-1.78	2.61	-.57		
CLARKSVILLE	6.75	2.94	3.62	-.52	4.05	.71		1.80	1.72	-2.26	2.66	-.52	M 39.49	
CORBIN	3.72		.46		3.44		2.22		1.18		6.72		33.32	
CROZIER	8.03		3.26		3.44		1.96		1.00		4.81		37.24	
CUMBERLAND	8.51		5.10		2.17		1.63		1.20		5.02		42.92	
FARMVILLE 2 N	7.13	2.89	2.21	-1.86	3.37	-.01	1.33	-2.18	1.15	-2.02	4.52	1.22	41.04	-1.89
GORDONSVILLE 3 S	8.64		1.66		2.36		2.16		1.89		5.26		39.46	
JOHN H KERR DAM	5.75	1.44	3.49	-.30	5.08	1.57	2.38	-1.04	.56	-2.52	2.69	-.53	37.81	-3.72
KEYSVILLE 8 N	2.75		.70		2.40		.65		.83		3.35	M		
LAWRENCEVILLE 3 E	7.44	3.38	5.44	1.27	5.40	1.56	M		1.22	-1.91	2.09	-1.56	M 40.41	
LOUISA	11.71	7.85	.48	-3.98	1.59	-1.67		1.34	1.63	-1.53	5.03	1.64	37.66	-4.42
PALMYRA 1 E	9.79		1.65		2.47		1.14		.78		5.10		38.49	
POWHATAN	5.91		6.51		2.53		2.32		1.17		4.59	M	38.84	
RICHMOND WSO AIRPORT	3.47	-1.67	3.32	-1.69	2.69	-.83		2.50	1.67	-2.62	4.53	1.14	35.78	-8.29
WINTERPOCK 4 W	4.66		2.06		3.34		3.34		1.39		4.10		36.42	
--DIVISIONAL DATA----->	6.22	2.08	2.86	-1.50	3.48	-.21	2.04	-1.65	1.12	-2.03	4.37	1.07	37.78	-5.23
WESTERN PIEDMONT 03														
ALTAVISTA	5.65	2.04	1.44	-2.27	.61	-2.53	.20	-3.09	2.87	-.07	4.73	1.69	37.41	-2.04
APPOMATTOX	8.24	4.21	M	1.45	1.37	-2.24	.63	-2.81	1.36	-1.70	6.99	3.84		
BEDFORD	6.36		2.09	-1.86	1.13	-2.27	M		1.72	-1.18	2.95	-.14		
CHARLOTTE COURT HSE 3W	4.67	.96	1.03	-2.96	3.65	-.01	1.20	-2.35	1.07	-1.83	4.18	1.02	34.39	-7.25
CHARLOTTESVILLE 2 W	13.10	8.59	2.73	-1.78	.90	-3.00	1.53	-2.67	2.64	-.63	5.02	1.67	44.04	-1.68
CHATHAM	3.02	-.92	.87	-2.93	.99	-2.80	.47	-3.08	2.15	-.94	4.57	1.18	36.23	-7.25

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TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1991

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
CONCORD 4 SSW	3.34	.01	2.45	-.61	7.07	3.18	2.28	-.94	3.15	-.45	1.05	-2.49
DANVILLE	4.20	.77	2.08	-1.24	8.68	4.67	M		4.59	.86	1.92	-1.94
FREE UNION	3.53		1.59		5.34			2.09	2.60		4.43	
HUDDLESTON 4 SW	3.74	.56	2.06	-1.01	7.64	3.68		2.93	3.12	-.39	2.63	-.61
LYNCHBURG WSO AIRPORT	3.00	-.06	2.20	-.73	6.66	2.97		2.80	2.66	-.99	1.14	-2.33
MARTINSVILLE FILTER PL			2.27	-1.26	8.21	3.93		3.02	2.29	-1.58	4.25	-.32
MEADOWS OF DAN 5 SW	3.88	-.14	3.46	-.51	7.39	2.15		4.88	7.37	2.69	3.39	-1.72
MONTEBELLO 2 NE	3.35	-.37	2.09	-1.84	M	7.80		2.26	2.76	-1.71	3.07	-1.06
MONTICELLO	2.45		1.35		5.60			1.81	1.64		1.80	
PHILPOTT DAM 2	3.75		2.20		M	6.46		3.76	4.13		5.45	
ROCKY MOUNT	3.69	.50	2.19	-1.00	M	6.82	2.79	3.14	4.26	.48	2.60	-.93
ROSELAND 1 NNW	3.64		2.64		M							
SOUTH BOSTON	4.16		1.63			6.85		1.97	1.93		3.24	
STUART	4.76		2.93			7.63		4.55	4.48		5.00	
TYE RIVER 1 SE	3.60	.29	2.38	-.74		5.70	1.66	3.23	2.57	-1.33	3.12	-.54
WOOLWINE 4 S	5.01	1.02	2.21	-1.80		7.14	1.98	3.99	6.31	1.60	3.43	-1.56
--DIVISIONAL DATA----->	3.90	.61	2.05	-1.22		6.87	2.75	2.90	2.88	-1.03	3.01	-.76
NORTHERN 04												
BIG MEADOWS	2.33	-1.17	1.12	-1.94	M	5.39		2.66	2.32		4.35	.03
CULPEPER					M							
LINCOLN	3.19	.25	1.12	-1.52	M	3.65		1.92	1.20	-2.81	1.64	-2.62
LURAY S E	4.54		.73	-1.66	M	4.25		3.00	1.63	-1.81	2.94	-.65
MOUNT WEATHER	2.76	.25	.89	-1.38		4.52	1.40	1.62	.89	-3.23	2.42	-2.04
PIEDMONT RESEARCH STN	3.40	.61	.83	-1.75		4.48	.79	2.41	1.20	-2.50	4.73	1.04
STERLING RCS	3.23		.77			5.08		1.68	1.57		6.12	
THE PLAINS 2 NNE	3.31		.89			5.26		1.78	1.41		1.20	
VIENNA DUNN LORING	3.27	.31	.78	-1.93		5.46	1.75	1.70	2.32	-1.60	2.94	-1.17
WARRENTON 3 SE	3.14	.12	1.06	-1.55		4.35	.85	1.84	2.46	-1.08	3.78	-.05
WASHINGTON WSO DULLES	2.67	-.16	.81	-1.83		5.16	1.73	1.80	1.51	-2.11	6.58	2.35
WASHINGTON NATL WSCMO	2.90	.14	.83	-1.79		4.42	.96	1.39	1.57	-1.91	1.27	-2.08
WINCHESTER 'WINC'	2.67		.93			4.56		2.17	1.18		3.15	
WINCHESTER 3 ESE	2.66	.16	.89	-1.47		4.48	1.20	1.78	.77	-2.83	2.19	-1.87
WOODSTOCK 2 NE	3.52	1.12	1.57	-.41		4.36	1.44	2.00	2.95	-.28	2.43	-1.05
--DIVISIONAL DATA----->	2.95	.13	.96	-1.54		4.60	1.14	2.02	1.54	-2.19	3.47	-.42
CENTRAL MOUNTAIN 05												
BUCHANAN	3.90	.96	2.31	-.60		7.27	3.55	2.47	2.00	-1.73	2.17	-1.40
BUENA VISTA			1.84	-1.18	M	6.83		2.53	2.32	-1.03	4.56	1.29
COVINGTON	3.49	1.07	1.60	-.82		6.85	3.47	2.28	2.80	-.58	1.05	-2.18
COVINGTON FILTER PLANT	3.35		1.67			6.33		2.37	2.89		1.51	
CRAIGSVILLE 2 S	3.73		1.65			6.48		2.67	1.67		2.49	
DALE ENTERPRISE	3.31	1.32	1.31	-.76		4.87	2.00	1.88	2.05	-1.31	3.66	.39
EARLEHURST	2.84		1.64			6.66		2.38	3.62		2.20	
GATHRIGHT DAM	3.33		2.01			6.48		2.37	2.71		3.13	
GLASGOW 1 SE	4.76		2.72			8.13		2.63	3.01		3.96	
GOSHEN	4.23	1.31	2.04	-.83	M	7.07		2.08	2.76	-1.01	4.71	1.16
HOT SPRINGS	4.42		2.53		M	6.71		1.74	1.82	-2.03	3.47	-.20
KERRS CREEK 6 WNW	3.94		2.06			7.28		2.39	2.93		4.10	
LEXINGTON	3.67	.92	1.86	-1.03	M	6.15		2.53	2.03	-1.30	7.93	4.57
MCDOWELL 3 W	4.11		2.05			7.05		2.72	.96		2.10	
MILLGAP 2 NNW	4.40		2.00			6.15		2.52	.91		3.31	
MOUNTAIN GROVE	1.99		1.13		M	5.14		1.87	1.86		1.63	
ROANOKE WSO AIRPORT	3.55	.72	2.10	-1.09		7.58	3.89	2.49	2.88	-.63	2.42	-.92
STAUNTON SEWAGE PLANT	2.87		1.91	-.28		5.03	1.84	1.38	1.42	-1.94	3.38	.35
--DIVISIONAL DATA----->	3.52	.80	1.88	-.90		6.26	2.64	2.15	2.23	-1.36	3.46	-.05

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1991

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
CONCORD 4 SSW	5.30	1.53	1.39	-2.12	.84	-2.64	.47	-3.22	1.84	-1.30	3.51	.37	32.69	-8.68
DANVILLE	4.72	.66	1.29	-2.75	1.15	-2.53	.67	-2.56	1.53	-1.29	3.76	.45		
FREE UNION	11.74		1.76		.66		.48		3.02		4.90		42.14	
HUDDLESTON 4 SW	6.20	2.53	1.17	-2.44	1.05	-2.52	.21	-3.27	2.35	-.63	4.51	1.41	37.61	-3.13
LYNCHBURG WSO AIRPORT	4.51	.66	1.37	-2.32	.74	-2.49	.62	-2.74	3.25	.33	5.52	2.36	34.47	-5.44
MARTINSVILLE FILTER PL	4.78	.24	4.00	-.10	1.54	-2.29	.35	-3.20	2.40	-.54	5.23	1.83		
MEADOWS OF DAN 5 SW	5.27	-.08	1.83	-3.20	2.19	-3.04	1.06	-3.50	3.04	-.67	5.75	1.80	49.51	-6.24
MONTEBELLO 2 NE	6.83	2.46	5.25	1.26	1.25	-2.97	.74	-4.15	3.02	-1.21	4.55	.83	42.97	
MONTICELLO	13.39		3.35		1.16		2.69		3.16		5.27		43.67	
PHILPOTT DAM 2	4.22		2.85		2.54		1.03		1.59		4.15		42.13	
ROCKY MOUNT	3.82	-.30	2.51	-1.35	1.18	-2.84	.89	-2.85	2.86	.07	3.88	.73	37.84	-5.17
ROSELAND 1 NNW														
SOUTH BOSTON	2.83		1.84		3.59		1.72		.92		3.60		34.28	
STUART	6.03		3.19		3.11		.99		2.12		5.42		50.21	
TYE RIVER 1 SE	5.88	1.76	1.13	-2.64	1.58	-1.97	.14	-3.66	3.16	.05	5.69	2.38	38.18	-4.85
WOOLWINE 4 S	5.73	.64	1.28	-3.11	2.42	-3.30	.61	-4.19	2.84	-.92	4.89	.85	45.86	-9.59
--DIVISIONAL DATA----->	6.37	2.16	2.17	-1.91	1.76	-2.06	.85	-2.80	2.14	-.88	4.73	1.45	39.63	-4.28
NORTHERN 04														
BIG MEADOWS	8.51	4.46	1.09	-4.18	1.26	-3.73	2.03	-3.15	2.99		5.39	2.03	39.44	
CULPEPER														
LINCOLN	4.92	.98	1.14		2.26	-1.07	2.68	-.38	2.19	-.85	3.99	.77	29.90	
LURAY 5 E	2.78	-.79	2.47	-1.65	1.46	-2.13	1.39	-2.20	3.30	-.29	4.53	1.71	33.02	
MOUNT WEATHER	1.78	-2.09	.82	-3.23	2.09	-1.37	2.21	-1.25	1.92	-1.37	4.42	1.58	26.34	-14.46
PIEDMONT RESEARCH STN	6.34	2.57	.88	-3.56	2.81	-.55	1.83	-1.98	1.53	-1.56	4.98	1.88	35.42	-5.67
STERLING RCS	2.76		1.71		3.24		1.60		2.47		4.96		35.19	
THE PLAINS 2 NNE	2.53		.91		1.29		2.02		2.53		4.55		27.68	
VIENNA DUNN LORING	5.98	1.72	1.47	-3.21	3.31	-.69	3.00	-.10	1.97	-1.27	5.30	2.08	37.50	-5.79
WARRENTON 3 SE	3.93	.00	1.22	-2.68	5.37	2.05	2.73	-.41	2.60	-.38	5.85	2.79	38.33	-1.72
WASHINGTON WSO DULLES	2.64	-1.11	.99	-3.17	3.25	-.01	1.37	-1.64	2.70	-.29	4.54	1.25	34.02	-6.33
WASHINGTON NATL WSCMO	3.76	-.12	2.03	-2.37	3.50	.28	2.03	-.87	.85	-1.97	5.07	1.89	29.62	-9.38
WINCHESTER 'WINC'	2.51		1.59				1.00		1.46		4.00			
WINCHESTER 3 ESE	1.50	-2.51	1.33	-2.41			.69	-2.28			4.29	1.66		
WOODSTOCK 2 NE	2.89	-.72	.74	-2.73	2.26	-.96	.82	-2.10	2.35	.05	4.94	2.60	30.83	-3.89
--DIVISIONAL DATA----->	3.69	-.11	1.35	-2.82	2.75	-.75	1.70	-1.66	2.14	-.96	4.75	1.75	31.92	-8.62
CENTRAL MOUNTAIN 05														
BUCHANAN	7.31	3.18	2.87	-1.17	.57	-2.84	.15	-3.55	2.38	-.47	5.19	2.28	38.59	-2.36
BUENA VISTA	4.48	.75	1.77	-1.47	.47	-2.57	.70	-3.02			5.06	2.02		
COVINGTON	3.75	.20	2.07	-1.49	.73	-2.03	.30	-2.60	3.77	1.59	4.67	2.26	33.36	-1.57
COVINGTON FILTER PLANT	2.49		1.73		.29		.21		3.86		4.82		31.52	
CRAIGSVILLE 2 S	14.79		2.99		1.40		1.70		1.90		5.79		47.26	
DALE ENTERPRISE	7.02	3.34	1.79	-2.11	.76	-2.47	.37	-2.49	1.42	-.99	4.53	2.33	32.97	-1.44
EARLEHURST	4.24		3.12		.89		.66		3.31		4.86		36.42	
GATHRIGHT DAM	6.55		1.64		.68		1.00		3.59		5.98		39.47	
GLASGOW SE	4.16		2.80		.40		.17		2.84		5.06		40.64	
GOSHEN	8.22	4.42	1.94	-1.53	.44	-3.01	.81	-2.67	3.74	.75	5.98	3.18	44.02	
HOT SPRINGS	4.34	.19	1.82	-2.00	.56	-2.95								
KERRS CREEK 6 NNW	7.62		1.82		1.54		.97		3.02		5.76		43.43	
LEXINGTON	8.23	4.57	1.54		.38	-2.90	.42	-2.83	2.07	-.60	4.78	1.86	41.59	
MCDOWELL 3 W	5.71		3.21		.10		.89		2.06		5.88		36.84	
MILLGAP 2 NNW	3.96		4.11		.65		1.05		2.59		6.37		38.02	
MOUNTAIN GROVE	6.70		2.56		.65		.92		3.67		6.09			
ROANOKE WSO AIRPORT	7.22	3.77	2.31	-1.60	.15	-2.99	.04	-3.44	2.51	-.08	3.81	.88	37.06	-2.09
STAUNTON SEWAGE PLANT	8.94	5.43	2.28	-1.12	.57	-2.98	1.11	-2.15	1.58	-.98	5.18	2.63	35.65	
--DIVISIONAL DATA----->	7.09	3.32	2.06	-1.74	.47	-2.98	.47	-2.98	2.49	-.21	4.90	2.08	36.98	-2.26

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1991

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
SOUTHWESTERN MOUNTAIN 06												
ABINGDON 3 S	4.34		5.00		8.37		1.76		6.15		4.24	
ALLISONIA 2 SSE	1.33	-1.44	2.19	-.44	4.92	1.29	2.58	-.62	4.78	.99	1.59	-1.65
BIG STONE GAP	4.88		5.99		7.38		2.58		2.29		7.38	
BLACKSBURG 3 SE	2.96	.01	2.15	-.79	5.86	1.95	2.78	-.77	4.66	1.04	1.27	-2.34
BLAND	3.27	.25	2.29	-.63	5.93	2.04	3.16	-.02	3.95	.36	6.08	2.61
BURKES GARDEN	3.23	-.27	4.08	.81	6.58	2.48	2.76	-.92	7.64	3.63	3.95	.00
BYLLESBY 3 W	2.86		2.97		6.25		3.83		4.02		3.50	
COPPER HILL 1 NNE	2.49	-.48	2.14	-1.01	6.58	2.58	3.46	-.40	3.82	-.24	3.08	-1.07
FLOYD 2 NE	3.20	.25	1.54		6.45	2.51	2.94	-.77	4.22	.71	2.04	-1.70
GALAX RADIO WBOB	3.10	.37	2.61	-.49	5.48		3.52	-.09	4.37	.44	2.94	-1.08
GLEN LYN	2.79	.13	2.12	-.53	6.15	2.66	1.54	-1.61	4.78	1.26	2.26	-.90
GRUNDY	3.20		3.30		7.06		1.29		2.74		6.37	
HILLSVILLE	3.28	.42	2.57	-.52	5.00		4.66	1.12	3.12	-1.08	2.29	-1.73
JOHN W FLANNAGAN LAKE	3.14		3.57		7.05		1.90		4.01		4.86	
LAFAYETTE 1 NE	2.61	-.40	1.99	-.70	5.76	2.44	2.68	-.38	2.79	-.64	4.01	.66
LEBANON	2.18		3.33		6.26		2.02		2.50		4.63	
MOUNT LAKE BIOL STN									7.28		1.63	
NEWPORT 2 NNW	2.60	-.05	2.30	-.27	5.45		2.70	-.29	5.00	1.50	.50	-2.90
NORTH FORK LAKE	3.47		3.89		7.31		1.76		3.18		6.72	
PENNINGTON GAP	3.80	-1.08	6.52	2.12	8.33	2.58	3.76	-.59	6.04	1.65	3.64	-.53
PULASKI	2.72		2.04		4.85		2.90		4.29		1.40	
RADFORD	2.55		.63	-1.98	4.72	1.23	2.98	-.20	4.25		.22	-2.95
RICHLANDS	2.27		2.93		7.39		1.35		5.07		6.19	
SALTVILLE 1 N	2.63		4.18		7.21		1.77		5.25		4.60	
STAFFORDSVILLE 3 ENE	2.87	.13	2.08	-.62	6.39	2.78	3.03	-.33	5.32	1.89	1.99	-1.31
TROUT DALE 3 SSE	1.99	-2.12	3.84	-.31	7.68	2.43	3.00	-1.58	3.31	-1.36	5.36	.77
WILLIS	3.06		2.63		6.76		4.33		3.82		2.18	
WISE 1 SE	4.00		3.91		7.42		2.47		3.16		4.72	
WYTHEVILLE 1 S	2.53	-.10	2.59	-.14	5.19	1.73	3.93	.82	6.33	2.75	1.78	-1.33
--DIVISIONAL DATA-->	3.09	-.27	3.36	-.03	6.80	2.57	2.63	-1.08	4.78	.83	3.81	.03

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA
1991

STATION	JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
SOUTHWESTERN MOUNTAIN 06														
ABINGDON 3 S	M 4.46		2.91		3.24		.49		4.47		6.20		M 51.63	
ALLISONIA 2 SSE	4.12	.54	3.28	.10	1.42	-1.72	.22	-2.82	3.57	1.24	4.68	2.06	M 34.68	-2.47
BIG STONE GAP	3.41		3.14		4.29		2.03		3.48		11.03		M 57.88	
BLACKSBURG 3 SE	2.12	-1.53	2.69	-.84	.49	-2.99	.26	-2.88	2.99	.31	5.50	2.58	M 33.73	-6.25
BLAND	4.84	1.05	1.26	-2.25	1.97	-1.05	.30	-2.42	3.46	.93	5.31	2.52	M 41.82	3.39
BURKES GARDEN	4.90	.19	1.98	-1.73	2.95	-.53	.52	-2.39	3.23	.16	7.26	3.98	M 49.08	5.41
BYLLESBY 3 W	3.29		1.79		1.91		.50		3.37		4.24		M 38.53	
COPPER HILL 1 NNE	4.15	.45	2.44	-1.42	1.85	-2.72	.72	-3.74	3.33	.13	4.19	1.36	M 38.25	-6.56
FLOYD 2 NE	5.22	1.49	1.26	-1.99	.47	-3.72	.44	-3.26	4.17	1.12	3.90		M 35.85	
GALAX RADIO WBOB	3.52		2.69		.88	-3.01	.20	-3.54	4.23	1.29	4.28	1.20	M 37.82	
GLEN LYN	3.45	-.52	1.04	-2.21	1.89	-1.06	.26	-2.33	3.55	1.10	5.27	2.66	M 35.10	-1.35
GRUNDY	5.59		4.35		2.65		1.24		3.47		7.78		M 49.04	
HILLSVILLE	2.30	-1.84	2.46	-1.17	1.04	-2.79	.54	-3.03	3.52	.69	5.06	2.07	M 35.84	
JOHN W FLANNAGAN LAKE	5.69		3.27		2.46		1.08		3.66		7.91		M 48.60	
LAFAYETTE 1 NE	6.36	2.55	1.61	-1.81	.21	-3.01	.08	-3.14	2.53	-.09	4.33	1.56	M 34.96	-2.96
LEBANON	3.73		2.32		2.87		.47		3.57		6.50		M 40.38	
MOUNT LAKE BIOL STN	7.50		1.02		.46		.28		3.85				M	
NEWPORT 2 NNW	3.68	.46	1.20	-1.87	.30	-3.12	.00	-3.24	3.20	.64	4.90	2.26	M 31.83	
NORTH FORK LAKE	7.51		4.05		2.69		1.14		3.61		9.32		M 54.65	
PENNINGTON GAP	11.88	6.81	6.21	2.45	8.05	4.58	1.01	-1.95	3.75	-.14	9.61	4.95	M 72.60	20.85
PULASKI	2.44		.79		1.00		.04		3.39		3.57		M 29.43	
RADFORD	.61		.56		.36	-2.58	.04	-2.99	2.64	.17			M	
RICHLANDS	4.18		2.42		2.87		.76		3.72		7.20		M 46.35	
SALTVILLE 1 N	4.22		3.35		3.68		.41		3.44		7.75		M 48.49	
STAFFORDSVILLE 3 ENE	4.51	.74	1.08	-2.45	1.49	-1.79	.20	-2.57	3.53	1.05	4.38	1.70	M 36.87	-.78
TROUT DALE 3 SSE	5.31	.62	1.86	-2.20	1.46	-2.37	.43	-3.42	3.25	-.28	4.36	.63	M 41.85	-9.19
WILLIS	6.05		1.94		1.00		.52		3.67		5.25		M 41.21	
WISE 1 SE	7.37		4.13		3.10		1.39		4.17		7.22		M 53.06	
WYTHEVILLE 1 S	4.37	-.12	1.51	-1.85	2.07	-.99	.22	-2.73	3.41	1.03	3.86	1.26	M 37.79	.33
--DIVISIONAL DATA----->	5.15	.76	2.63	-1.02	2.50	-.94	.60	-2.47	3.66	.67	6.50	3.22	45.51	2.33

SEE REFERENCE NOTES FOLLOWING STATION INDEX

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

VIRGINIA
1991

1991																												
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	49.3	M		M	59.5		71.0	M			81.9		M	78.2	M		M	60.1			M	47.7		M
COLONIAL BEACH		M		M			48.3		58.1		71.4		74.0		79.2				M			57.8		47.5		M		
EMPORIA 1 WNW		38.1		41.3			49.0		58.3		70.9		73.3		79.0		75.8		69.5		58.2		46.5		43.9		58.6	
FREDERICKSBURG NATL PK		35.8	1.1	40.5	4.1	46.2	8	54.4	-1.5	68.7	3.7	72.1	-7	80.8	3.7	77.5	1.8	70.5	1.3	57.3	-3	46.2	-9	41.2	3.3	57.6	1.4	
HOLLAND 1 E		41.3	2.7	44.2	3.9	51.7	3.5	59.1	9	71.0	4.7	74.4	9	80.1	2.6	76.7	1	70.2	-7	59.5	-2	49.5	-1.1	45.2	3.6	60.2	1.7	
HOPEWELL		M		45.5	3.6	54.9	5.0	62.8	2.6	74.6	6.5	77.2	2.1	82.2	3.2	79.0	8	72.7	5	62.8	1.7	52.5	9	47.3	4.6			
KILMARNOCK 1 N		40.0		44.6		49.9		58.9		70.7		73.6		79.4		76.0		69.4		58.7		49.8		44.4		59.6		
LANGLEY AIR FORCE BASE		43.6	4.4	45.3	4.4	51.2	2.9	60.4	2.6	M		75.0	9	80.6	2.2	78.3	5	71.0	-9	60.5	-5	51.0	-3	46.0	3.3			
MATHEWS 2 ENE		41.3		44.6		50.6		59.7		70.6		74.2		79.6		76.7		70.3		60.0		50.5		45.1		60.3		
NORFOLK WSO AIRPORT		43.5	3.6	46.0	4.9	52.7	4.2	61.6	3.4	72.8	6.4	76.2	1.9	82.0	3.6	79.5	1.8	72.3	1	61.9	6	52.7	8	47.6	4.1	62.4	3.0	
PAINTER 2 W		42.3	4.6	44.7	5.6	50.1	3.7	59.1	3.1	70.6	6.0	74.6	2.1	80.8	3.8	77.6	1.6	70.2	1	60.8	1.4	51.2	1.2	45.7	4.4	60.6	3.1	
STONY CREEK 3 ESE		40.0		44.0				61.5		73.2		76.0		M		77.1		71.2		59.0		47.7						
SUFFOLK LAKE KILBY		42.9	4.0	46.1	5.2	52.6	4.3	60.6	2.4	72.5	6.1	75.5	1.6	81.1	3.2	78.4	1.2	71.3	1	61.1	1.1	50.7	2	46.1	4.1	61.6	2.8	
TANGIER ISLAND		M		M			49.2		59.4		72.5		78.8		83.1		81.0		73.2		63.7		52.5		43.4			
WAKEFIELD 2		41.7		44.8		51.5		60.9		72.1		75.8		83.1		78.7		72.9		61.2		49.3		44.5		61.4		
WALKERTON 2 NW		40.3	3.9	44.1	5.4	50.5	3.6	60.1	2.7	71.6	5.8	74.5	1.3	80.6	3.3	77.4	1.2	70.6	1.0	59.2	1.0	48.9	6	43.7	4.4	60.1	2.9	
WARSAW 2 NW		39.7	3.2	44.2	5.6	49.9	3.3	59.3	2.3	71.8	6.2	75.0	1.6	80.1	2.7	77.5	1.1	69.9	-1	59.4	6	49.6	6	44.8	4.9	60.1	2.7	
WEST POINT 2 SW		41.1		44.6		51.4		60.6		72.4		74.7		80.2		76.6		69.9		59.9		49.8		44.9		60.5		
WILLIAMSBURG 2 N		41.6	3.2	44.8	4.6	51.2	3.3	60.3	2.2	71.6	5.3	73.5	1	79.5	2.0	77.7	1.0	70.6	-3	59.8	0	50.3	-1	45.5	3.9	60.5	2.1	
--DIVISIONAL DATA----->		40.9	2.6	44.6	4.7	50.6	3.1	59.7	2.2	71.7	5.8	74.9	1.3	80.7	2.9	77.8	8	70.8	-4	60.0	-2	49.8	-7	45.1	3.4	60.6	2.1	
EASTERN PIEDMONT 02																												
AMELIA 4 SW		37.7		41.6		47.6		56.6		68.5		72.8		77.9		73.8		66.9		55.8		44.3		41.0		57.0		
ASHLAND		38.3		43.0		49.6		58.7		70.3		73.6		78.5		76.2		69.2		57.6		47.4		42.2		58.7		
BREMO BLUFF		36.3		M	38.9		46.2		M	68.4		72.1		76.8		74.0		68.3		M		45.9		41.2		M		
CAMP PICKETT		38.6		42.1		49.5		58.0		69.9		74.2		79.6		76.1		70.4		58.2		47.3		43.1		58.9		
CHASE CITY		39.6		43.2		50.2		59.9		71.7		75.2		81.0		76.7		70.0		M		50.8		45.9		M		
CORBIN		35.4		41.2		46.8		56.1		68.6		71.7		77.2		74.7		68.5		57.0		47.1		41.5		57.2		
CROZIER		38.4		42.0		48.8		57.2		70.0		74.1		78.5		76.1		69.5		58.3		47.2		43.0		58.6		
FARMVILLE 2 N		38.1	1.1	42.1	2.9	47.7	2	56.8	-1.1	69.1	3.6	73.2	6	78.6	2.0	75.0	-5	69.0	2	58.0	3	46.1	-1.9	42.2	2.8	58.0	9	
JOHN H KERR DAM		40.8	3.7	44.2	5.3	51.2	4.0	59.9	2.1	71.6	5.3	75.3	1.8	80.6	3.0	77.8	1.3	71.3	1.4	60.2	1.8	48.8	0	45.4	5.3	60.6	2.9	
LAWRENCEVILLE 3 E		M	38.4	-1	43.0	2.6	48.4	0	M	56.2	-2.1	69.0	3.0	71.7	-1.1	78.5	1.4	75.8	-6	69.8	-1	56.9	-1.8	49.8	2	M	58.4	
LOUISA		38.3	3.2	43.1	5.6	48.7	2.6	58.0	1.6	70.2	5.6	72.3	4	77.7	1.8	75.3	4	68.1	-3	57.3	1	47.3	1	41.9	3.8	58.2	2.1	
RICHMOND WSO AIRPORT		R	40.2	3.6	44.0	5.1	50.8	3.6	60.2	2.3	72.1	6.0	75.3	1.8	80.7	2.9	78.6	1.8	71.6	1.4	59.9	1.3	49.6	7	44.3	4.4	60.6	2.9
--DIVISIONAL DATA----->		38.3	2.2	42.4	4.1	48.8	2.2	58.0	9	70.0	4.9	73.5	1.0	78.8	2.1	75.8	1	69.4	2	57.9	2	47.6	-4	42.9	3.8	58.6	1.8	
WESTERN PIEDMONT 03																												
APPOMATTOX		38.6		42.6		49.0		M		M	69.9		74.1		79.6		75.5		68.9		59.5		46.6		43.3		M	
BEDFORD		37.7	1.0	M		M		M		M	73.2	1.4	79.3	3.8	75.0	5	69.3	1.2	M		57.6		47.7	-2	44.1	4.5	M	
CHARLOTTE COURT HSE 3W		37.9	2.6	42.1	4.8	48.7	2.8	57.0	5	69.5	4.8	M		M		75.3	-4	69.2	-3	57.6	4	45.9	-1.5	42.7	4.4	M		
CHARLOTTESVILLE 2 W		38.6	3.3	44.6	7.6	49.4	3.5	59.0	1.9	71.1	5.7	74.7	2.2	77.7	9	75.3	-4	69.2	-4	58.9	2	48.2	-3	42.8	4.3	59.1	2.4	
CHATHAM		35.7	-1	39.9	2.2	47.5	1.7	55.6	-2	67.9	3.5	71.9	5	76.6	1.0	73.2	-1.4	67.0	-1.3	54.4	-2.5	43.7	-3.6	41.3	2.7	56.2	2	
DANVILLE		39.6	2.0	43.2	3.4	50.4	2.4	M		70.9	4.1	74.9	1.1	80.2	2.4	76.8	-3	70.9	4	59.0	3	46.7	-2.0	44.0	4.0	M		
LYNCHBURG WSO AIRPORT		R	38.9	3.8	42.2	4.8	49.6	3.9	57.8	1.4	69.4	4.9	73.5	1.9	78.5	2.8	75.4	6	69.8	1.4	59.6	2.5	46.6	-4	42.4	4.1	58.6	2.6
MARTINSVILLE FILTER PL		M		41.2	3.2	47.7	1.6	56.5	4	68.3	4.2	72.0	9	76.7	1.6	74.2	0	67.3	-3	56.5	4	44.8	-1.5	41.1	3.1	M		
MONTICELLO		36.9		42.2		47.2		57.1		69.4		73.5		76.6		73.5		66.6		56.3		45.2		40.6		57.1		
PHILPOTT DAM 2		38.7		43.0		49.2		57.6		69.5		73.7		77.9		74.8		69.5		59.9		47.3		43.8		58.7		
ROCKY MOUNT		39.2		43.3		48.6		56.6		68.1		72.9		78.0		74.4		69.0		59.6		46.8		43.5		58.3		
SOUTH BOSTON		39.9		42.8		49.7		57.6		68.4		74.9		80.7		76.3		70.0		58.6		46.6		44.1		59.1		
STUART		M	38.4	41.2		48.1		56.4		65.9		70.0		75.8		73.6		68.3		59.1		46.1		42.8		M	57.1	
TYE RIVER 1 SE		38.2		41.9		47.0		55.4		69.5		72.8		78.4		74.6		69.5		58.2		46.7		42.9		57.9		
--DIVISIONAL DATA----->		38.3	2.5	42.3	4.5	48.6	2.5	57.0	5	69.1	4.4	73.2	1.5	78.2	2.5	74.8	0	68.9	5	58.2	1.0	46.4	-1.0	42.8	4.2	58.2	1.9	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

VIRGINIA
1991

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
NORTHERN 04																										
BIG MEADOWS	28.8	1.7	33.9	5.6	38.1	2.4	46.4	-5	59.1	3.5	62.6	.0	68.2	1.8	63.3	-2.0	57.6	-1.9	52.0	2.9	36.0	-3.2	33.2	3.0	48.3	1.1
CULPEPER	M		M		M		M		M		M		M		M		M		M		M		M		M	
LINCOLN	34.7	1.4	42.0	6.2	48.0	3.6	57.4	2.2	70.8	6.6	73.3	1.0	79.0	2.7	77.8	2.5	68.3	-4	58.9	1.5	46.3	-3	41.3	4.3	58.2	2.6
LURAY 5 E	35.1	3.1	40.7	6.5	45.4	2.7	54.5	1.1	67.1	5.1	70.3	1.1	74.7	1.6	72.5	4	66.2	-4	56.7	2.2	43.7	-9	38.8	3.5	55.5	2.2
MOUNT WEATHER	30.4	1.7	36.1	5.6	42.5	3.4	52.2	1.7	67.0	7.0	71.0	2.9	75.2	3.1	74.3	3.1	65.3	-7	54.8	1.2	42.5	-5	36.8	4.0	54.0	2.8
PIEDMONT RESEARCH STN	36.4	2.7	41.3	5.6	47.5	3.1	55.9	6	70.1	6.1	73.2	1.3	77.5	1.4	75.4	5	68.1	-4	57.3	4	45.7	-9	41.1	4.2	57.5	2.1
STERLING RCS	33.2		38.4		46.1		55.5		68.3		70.9		76.4		75.1		66.6		55.8		44.8		38.3		55.8	
WARRENTON 3 SE	35.0	2.7	40.3	6.2	46.4	3.5	55.9	1.9	69.4	6.6	72.4	1.7	77.5	2.3	75.3	1.1	68.0	0	57.2	1.6			39.7	3.7		
WASHINGTON WSO DULLES	34.0	2.6	39.5	5.9	46.1	3.7	56.0	2.7	69.3	6.9	72.3	1.6	77.9	2.4	77.0	2.7	67.6	-2	56.6	1.3	45.7	9	38.5	3.4	56.7	2.9
WASHINGTON NATL WSCMO	38.6	3.4	43.0	5.5	48.8	3.0	58.2	1.5	73.0	7.0	76.8	2.3	81.4	2.5	80.0	2.4	71.0	-1	60.4	1.1	48.8	1	42.3	3.4	60.2	2.7
WINCHESTER 'WINC'	32.0		37.8		44.5		54.7		68.3		71.7		77.0		75.7		66.6		56.6		44.5		38.0			
WINCHESTER 3 ESE	30.8	-1.4	36.4	1.9	42.7	-7	52.0	-2.4	68.2	4.7	71.0	0	78.1	3.0	74.8	8	66.8	-4	54.8	-1.2			36.5	8		
WOODSTOCK 2 NE	34.5	1.4	41.0	5.6	47.2	3.2	56.2	1.7	69.1	5.9	71.5	8	76.6	1.9	75.5	1.8	66.8	-4	56.5	5	43.6	-2.2	40.3	3.7	56.6	2.0
--DIVISIONAL DATA-----	33.6	1.2	39.2	4.7	45.3	2.2	54.6	5	68.3	5.4	71.4	7	76.6	1.7	74.7	9	66.6	-8	56.5	7	44.2	-1.3	38.7	2.9	55.8	1.6
CENTRAL MOUNTAIN 05																										
BUCHANAN	39.5	3.6	43.5	5.1	49.8	3.0	58.8	2.1	71.5	6.6	74.6	2.9	78.5	3.0	76.4	1.7	70.5	2.2	59.1	1.9	46.7	-1	42.5	4.0	59.3	3.0
COVINGTON FILTER PLANT	37.9		40.8		47.7		56.6		69.9		71.4		76.1		72.6		66.8		55.7		44.6		40.5		56.7	
DALE ENTERPRISE	34.7	2.9	41.5	7.3	46.3	3.5	55.7	2.7	69.0	7.1	71.8	2.4	75.3	2.0	73.5	1.4	67.8	2.1	57.4	3.1	45.2	1.1	39.3	4.0	56.5	3.3
GATHRIGHT DAM	33.6		36.7		43.6		53.3		66.4		69.4		74.1		70.5		64.3		54.0		40.5		35.9		53.5	
HOT SPRINGS	32.1	1.3	35.0	2.2	42.4	1.6	50.7	-8	65.0	4.9	68.4	1.4	73.7	3.0	71.0	1.1	63.7	1								
LEXINGTON	38.3	3.7	41.7	4.6	48.2	2.5	57.3	1.4	68.9	4.7	71.9	8	75.7	8	73.0	-1.0	67.4	-2	56.3	0	44.2	-1.8	41.0	3.6	57.0	1.6
ROANOKE WSO AIRPORT	39.3	3.8	42.7	4.8	49.2	3.1	57.5	1.2	69.6	4.9	73.5	1.9	77.9	2.2	74.8	1	69.3	1.1	59.4	2.6	46.8	-1	42.4	4.1	58.5	2.5
STAUNTON SEWAGE PLANT	33.9	1.5	38.4	4.4	44.4	1.9	52.8	-3	65.8	4.0	69.5	2	73.6	2	71.0	-1.1	64.7	-8	52.8	-1.6	41.8	-2.7	38.4	2.8	53.9	7
--DIVISIONAL DATA-----	36.2	3.2	40.0	4.8	46.5	2.9	55.3	1.3	68.3	5.8	71.3	1.8	75.6	2.2	72.9	5	66.8	8	56.4	1.4	44.3	-4	40.0	4.0	56.1	2.4
SOUTHWESTERN MOUNTAIN 06																										
ABINGDON 3 S	36.5		38.7		46.5		57.2		66.6		69.5		74.0		71.1		64.7		54.9		42.5		38.4		55.1	
BIG STONE GAP	36.8		39.3		47.4		57.1		68.8		71.6		76.2		73.1		67.5		57.2		44.0		40.2		56.6	
BLACKSBURG 3 SE	34.4	3.5	37.8	4.9	44.1	3.0	53.2	1.9	64.8	4.8	68.3	1.5	74.2	3.2	70.7	6	65.2	1.4	55.6	3.1	43.9	1.3	39.0	5.0	54.3	2.9
BLAND	33.1		35.6		42.5		51.6		63.4		66.3		71.2		68.0		62.6		52.0		39.6		37.5		52.0	
BURKES GARDEN	31.9	1.9	33.8	1.7	40.7	7	50.2	7	61.4	4.0	64.5	8	69.2	1.9	66.2	-1	60.1	-6	49.9	-2	38.6	-2.0	35.9	2.7	50.2	1.0
FLOYD 2 NE	34.7	2.0	38.7	4.0	45.1	2.8	53.3	1.2	63.8	3.7	66.8	3	71.5	1.3	68.6	-9	63.3	-1	53.3	5	41.4	-1.6	39.4	4.0	53.3	1.4
GALAX RADIO WBOB	36.3		38.5		46.1		54.6		65.9		68.1		73.4		69.3		63.5		53.4		40.9		37.5		54.0	
GRUNDY	36.1		37.9		46.4		57.9		69.5		71.4		75.8		74.7		69.9		58.5		44.6		41.5		57.0	
LEBANON	35.2		37.5		44.8		54.8		66.2		69.1		73.8		70.6		64.8		54.0		42.3		39.0		54.3	
MOUNT LAKE BIOL STN	M		M		M		M		M		M		M		M		M		M		M		M		M	
PENNINGTON GAP	36.1	2.4	38.0	1.5	46.1	1.1	56.8	2.0	68.1	5.2	72.2	2.7	75.8	2.6	72.3	-1	66.4	-6	56.2	8	42.1	-2.6	39.0	2.2	55.8	1.4
PULASKI	34.8		38.9		43.8		54.7		65.8		68.3		73.5		69.8		64.3		53.6		41.7		38.7		54.0	
RICHLANDS	35.3		37.0		44.3		54.4		65.9		68.8		73.7		70.7		64.9		54.1		41.7		39.4		54.2	
SALTVILLE 1 N	35.2		38.2		45.6		55.6		66.6		69.3		74.7		72.0		65.8		54.4		42.0		38.3		54.8	
STAFFORDSVILLE 3 ENE	37.9		40.3		47.6		56.2		67.6		69.2		74.7		71.9		65.9		57.7		45.5		41.7		56.4	
WISE 1 SE	36.2		39.5		47.5		57.9		67.1		68.5		72.6		69.6		65.1		56.7		43.4		39.2		55.3	
WYTHEVILLE 1 S	33.6	8	37.1	1.9	43.3	3	52.3	-3	64.8	3.9	67.9	6	72.7	1.6	69.4	-9	63.7	-1.0	52.9	-8	41.0	-2.5	37.6	2.0	53.0	5
--DIVISIONAL DATA-----	35.3	2.5	37.9	2.8	45.1	1.8	54.9	1.8	65.4	4.1	68.4	5	73.3	1.8	70.2	-5	64.9	-1	54.3	4	42.2	-1.5	38.9	3.1	54.2	1.4

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TEMPERATURE EXTREMES AND FREEZE DATA (°F)

VIRGINIA
1991

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF								FIRST FALL MINIMUM OF								NUMBER OF DAYS BETWEEN DATES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TEMPERATURE EXTREMES AND FREEZE DATA (°F)

VIRGINIA
1991

STATION	HIGHEST	DATE	LOWEST	DATE	LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
					16° OR BELOW		20° OR BELOW		24° OR BELOW		28° OR BELOW		32° OR BELOW		32° OR BELOW		28° OR BELOW		24° OR BELOW		20° OR BELOW		16° OR BELOW		16° OR BELOW	20° OR BELOW	24° OR BELOW	28° OR BELOW	32° OR BELOW
					DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.					
PIEDMONT RESEARCH STN	95	9/1	12	12/20	2/17	15	2/27	19	3/12	23	3/31	28	4/3	30	11/5	22	11/5	22	11/5	22	11/6	19	12/20	12	306	252	238	219	216
STERLING RCS	98	7/24	6	12/20	2/24	15	3/10	20	4/3	22	4/3	22	4/23	30	10/8	29	10/14	28	10/30	24	11/6	13	11/6	13	13255	2412	101	194	168
WARRENTON 3 SE	98	7/22	-6	2/16	2/17	7	2/24	20	3/12	22	3/31	27	4/3	29	10/21	32	11/5	23	11/5	23	11/6	20	12/5	15	291	255	238	219	201
WASHINGTON WSO DULLES	101	7/21	8	12/20	2/16	13	2/28	19	4/3	23	4/3	23	4/3	23	10/8	31	10/21	28	11/5	19	11/5	19	11/6	16	263	250	216	201	188
WASHINGTON NATL WSCMO	R 101	7/23	17	2/16	NONE		2/16	17	2/16	17	3/12	28	3/31	32	11/4	31	11/5	27	12/5	24	12/19	19	NONE			306	292	238	218
WINCHESTER 'WINC'			1-1	2/17	2/17	11	2/17	11	3/13	23	4/3	27	4/4	30	MSG		MSG		MSG		11/27	16	11/27	16	16	283	283		
WINCHESTER 3 ESE					2/24	16	4/3	20	4/3	20	4/11	28	4/25	30	MSG		MSG		MSG		MSG		MSG						
WOODSTOCK 2 NE	101	8/30	8	2/16	2/17	15	3/12	18	3/31	21	4/3	27	4/23	30	9/27	32	10/8	27	10/30	19	10/30	19	11/5	14	261	232	213	188	157
CENTRAL MOUNTAIN 05																													
BUCHANAN	99	7/7	10	2/16	2/17	16	2/17	16	3/16	24	4/3	27	4/23	32	10/8	30	11/3	28	11/5	19	11/5	19	11/27	15	283	261	234	214	168
COVINGTON FILTER PLANT	97	8/30	5	2/16	2/17	13	4/1	20	4/3	22	4/3	22	4/23	29	9/27	32	9/28	28	10/30	23	11/5	16	11/5	16	261	212	182	210	178
DALE ENTERPRISE	96	6/30	7	2/16	2/16	7	3/12	19	4/3	24	4/3	24	4/23	32	10/8	31	10/30	25	11/5	17	11/5	17	11/26	15	283	238	216	210	168
GATHRIGHT DAM	96	7/8	4	2/16	2/17	5	3/31	20	4/3	24	4/3	24	4/24	32	9/28	31	10/8	28	11/3	21	11/5	11	11/5	11	126	121	192	147	157
HOT SPRINGS					2/28	11	3/31	19	4/1	21	4/4	27	4/24	32	9/27	32	MSG		MSG		MSG		MSG						156
LEXINGTON	99	6/14	7	2/16	2/17	10	3/12	19	3/16	23	4/3	26	4/23	31	10/8	30	10/30	26	11/5	16	11/5	16	11/5	16	261	212	182	234	210
ROANOKE WSO AIRPORT	R 97	9/16	9	2/16	2/16	9	2/16	9	3/12	24	3/16	28	4/3	32	10/8	30	11/4	25	11/5	20	11/5	20	12/20	13	307	262	238	233	188
STAUNTON SEWAGE PLANT	91	9/18	7	12/20	2/17	11	3/16	20	4/3	22	4/12	28	4/23	31	9/28	31	10/8	28	10/30	22	11/5	16	11/5	16	261	212	182	210	179
SOUTHWESTERN MOUNTAIN 06																													
ABINGDON 3 S	94	6/30	-1	2/16	2/17	4	3/9	20	3/31	21	4/2	27	4/2	27	10/7	29	10/8	26	11/4	13	11/4	13	11/4	13	260	240	218	189	188
BIG STONE GAP	96	8/4	3	2/17	2/17	3	2/17	3	4/1	23	4/1	23	4/3	29	10/8	32	11/3	27	11/5	17	11/5	17	12/5	16	291	261	218	216	188
BLACKSBURG 3 SE	93	7/23	2	2/17	2/17	2	3/9	20	3/31	21	4/3	28	4/23	30	10/7	32	11/4	27	11/5	17	11/5	17	11/27	16	283	241	219	215	167
BLAND	89	8/30	-5	2/17	3/9	15	4/1	19	4/3	23	4/25	28	4/26	30	9/27	30	10/8	24	10/8	24	11/3	20	11/5	10	241	216	188	166	154
BURKES GARDEN	86	8/30	-3	2/17	3/31	16	4/1	18	4/3	23	4/24	28	4/26	30	9/27	31	10/8	21	10/8	21	10/9	20	11/5	6	219	191	188	167	154
FLOYD 2 NE	89	9/16	2	2/16	3/9	15	3/31	20	4/3	22	4/23	27	4/23	27	9/22	31	10/8	24	10/8	24	10/30	20	11/5	11	241	213	188	168	152
GALAX RADIO WBOB	91	8/8	2	2/17	2/17	2	3/10	17	4/2	24	4/3	25	4/25	32	9/28	30	10/8	25	10/30	23	11/5	13	11/5	13	261	240	211	188	156
GRUNDY	96	8/30	0	2/17	3/10	15	3/10	15	4/1	23	4/2	27	4/4	29	10/8	31	11/3	26	11/5	14	11/5	14	11/5	14	240	240	218	215	187
LEBANON	89	8/30	1	2/17	2/17	1	3/31	19	4/1	21	4/2	27	4/12	32	10/7	32	10/8	27	11/3	23	11/5	12	11/5	12	261	212	192	161	178
MOUNT LAKE BIOL STN					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
PENNINGTON GAP	92	8/3	3	2/17	2/17	3	3/10	19	4/1	24	4/1	24	4/3	30	10/7	29	10/17	28	11/3	24	11/5	13	11/5	13	261	240	216	199	187
PULASKI	91	8/31	3	2/17	2/17	3	3/31	20	4/2	24	4/4	27	4/23	30	10/8	26	10/8	26	11/3	24	11/5	14	11/5	14	261	219	215	187	168
RICHLANDS	89	8/30	-1	2/17	2/17	-1	3/31	19	3/31	19	4/3	28	4/26	31	10/7	31	10/8	27	11/3	24	11/5	12	11/5	12	261	219	217	188	164
SALTVILLE 1 N	90	8/9	3	2/16	2/17	6	3/31	20	4/1	22	4/3	28	4/25	32	10/8	28	10/8	28	11/3	23	11/5	13	11/5	13	261	219	216	188	166
STAFFORDSVILLE 3 ENE	92	8/31	3	2/16	2/16	3	3/9	20	3/31	21	4/23	28	4/23	28	9/28	31	10/8	26	11/5	15	11/5	15	11/5	15	262	241	219	168	158
WISE 1 SE	86	9/16	-2	2/16	2/16	-2	3/31	18	3/31	18	3/31	18	4/11	31	10/7	31	10/17	27	11/4	19	11/4	19	11/5	12	262	218	218	200	179
WYTHEVILLE 1 S	90	7/23	1	2/17	2/17	1	3/31	19	4/1	21	4/4	25	4/26	31	9/27	32	10/8	26	10/9	24	11/5	11	11/5	11	261	219	191	187	154

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS BASE=65 DEGREES FAHRENHEIT

VIRGINIA
1991

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
VIRGINIA														
TIDEWATER 01														
BACK BAY WILDLIFE REFU	-	B	4	-	B	35	216	-	530	B	415	-	25	-
COLONIAL BEACH	-	-	-	9	46	227	282	447	-	181	B	15	1	-
EMPORIA 1 WNW	0	0	0	8	35	215	264	442	340	184	17	0	1514	1203
FREDERICKSBURG NATL PK	0	0	0	0	22	171	237	498	393	209	17	3	1552	1329
HOLLAND 1 E	0	0	13	46	214	303	472	371	200	31	8	8	1666	1329
HOPEWELL	-	0	24	85	310	372	540	442	254	55	17	2	-	1571
KILMARNOCK 1 N	0	0	12	56	218	273	452	348	181	22	9	0	1571	-
LANGLEY AIR FORCE BASE	0	0	13	58	-	313	489	419	217	33	12	3	-	1472
MATHEWS 2 ENE	0	0	11	55	211	287	459	371	196	21	3	0	1614	-
NORFOLK WSO AIRPORT	0	0	13	71	269	347	534	456	248	43	18	11	2010	1458
PAINTER 2 W	0	0	8	47	218	304	496	396	193	22	3	0	1687	1205
STONY CREEK 3 ESE	0	0	-	65	277	347	-	382	238	40	9	-	-	-
SUFFOLK LAKE KILBY	0	0	13	47	252	323	507	422	219	41	8	6	1838	1377
TANGIER ISLAND	-	-	4	33	243	420	567	502	262	57	1	0	-	-
WAKEFIELD 2	0	B	0	7	51	234	330	568	431	279	53	9	1964	-
WALKERTON 2 NW	0	0	11	60	238	291	489	389	210	19	3	0	1710	1256
WARSAW 2 NW	0	0	10	52	245	307	477	392	191	26	8	3	1711	1273
WEST POINT 2 SW	0	1	14	67	258	303	477	365	194	28	8	0	1715	-
WILLIAMSBURG 2 N	0	0	11	60	235	267	456	405	203	21	4	1	1663	1323
EASTERN PIEDMONT 02														
AMELIA 4 SW	0	0	0	30	163	255	408	280	144	10	1	0	1291	-
ASHLAND	0	0	6	44	208	270	423	353	179	15	2	0	1500	-
BREMO BLUFF	0	B	0	-	164	233	371	286	174	-	3	0	-	-
CAMP PICKETT	0	0	5	37	198	294	460	351	216	27	8	2	1598	-
CHASE CITY	0	0	7	51	241	314	502	370	195	-	8	4	-	-
CORBIN	0	0	2	43	172	229	385	307	172	21	8	1	1340	-
CROZIER	0	0	2	35	198	283	428	351	189	28	6	1	1521	-
FARMVILLE 2 N	0	0	2	28	175	264	430	317	186	26	4	1	1433	1170
JOHN H KERR DAM	0	0	15	46	237	324	492	404	232	42	3	1	1796	1323
LAWRENCEVILLE 3 E	B	0	6	25	167	225	423	343	193	11	2	B	1403	1275
LOUISA	0	0	8	41	202	240	404	322	160	20	3	1	1401	1090
RICHMOND WSO AIRPORT	R	0	10	53	254	316	494	428	227	40	3	0	1825	1336
WESTERN PIEDMONT 03														
APPOMATTOX	0	0	0	-	B	191	288	461	332	178	33	3	0	-
BEDFORD	0	-	-	-	-	262	450	317	176	-	1	0	-	1079
CHARLOTTE COURT HSE 3W	0	0	0	28	180	-	-	-	188	18	2	0	-	1142
CHARLOTTESVILLE 2 W	0	0	0	52	227	298	403	329	182	33	1	0	1525	1220
CHATHAM	0	0	1	10	145	229	367	261	154	4	0	0	1171	1108
DANVILLE	0	0	5	-	220	305	478	371	226	26	5	0	-	1384
LYNCHBURG WSO AIRPORT	R	0	2	22	182	267	424	330	194	30	1	0	1452	1074
MARTINSVILLE FILTER PL	-	0	0	24	155	229	366	294	140	10	3	0	-	991
MONTICELLO	0	0	0	35	185	265	364	272	136	12	0	0	1269	-
PHILPOTT DAM 2	0	0	0	27	187	267	407	311	190	27	2	0	1418	-
ROCKY MOUNT	0	0	1	33	154	253	411	299	174	40	1	0	1366	-
SOUTH BOSTON	0	0	4	25	173	304	490	356	207	20	5	0	1584	-
STUART	B	0	0	20	102	173	345	273	164	21	2	0	1100	-
TYE RIVER 1 SE	0	0	0	20	191	255	421	307	204	32	0	0	1430	-
NORTHERN 04														
BIG MEADOWS	0	0	0	0	53	53	147	38	B	29	0	B	320	206
CULPEPER	-	-	-	-	-	-	-	-	-	-	-	-	-	1129
LINCOLN	0	0	2	35	219	260	441	403	168	33	0	0	1561	1128
LURAY 5 E	0	0	0	18	131	181	310	235	127	17	0	0	1019	811
MOUNT WEATHER	0	0	0	11	165	208	323	295	121	12	0	0	1135	650
PIEDMONT RESEARCH STN	0	0	0	34	206	259	396	329	159	15	1	0	1399	1105
STERLING RCS	0	0	0	31	165	204	359	318	155	19	2	0	1253	-
WARRENTON 3 SE	0	0	0	29	191	239	394	326	160	21	-	0	-	985
WASHINGTON WSO DULLES	0	0	0	23	196	234	408	379	153	24	3	0	1420	970

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS
BASE=65 DEGREES FAHRENHEIT

VIRGINIA
1991

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
WASHINGTON NATL WSCMO	R	0	0	5	38	278	362	517	472	214	41	5	0	1932	1430
WINCHESTER WINC		0	0	0	28	175	226	379	338	-	28	1	0	-	-
WINCHESTER 3 ESE		0	0	0	13	175	213	414	311	-	20	-	0	-	985
WOODSTOCK 2 NE		0	0	4	22	176	214	368	329	143	18	0	0	1274	936
CENTRAL MOUNTAIN 05															
BUCHANAN		0	0	5	37	226	B 298	425	362	211	16	1	0	B 1581	1066
COVINGTON FILTER PLANT		0	0	2	21	186	210	351	246	148	2	0	0	1166	-
DALE ENTERPRISE		0	0	2	22	172	224	325	271	151	25	0	0	1192	773
GATHRIGHT DAM		0	0	0	11	117	161	291	181	106	3	0	0	870	-
HOT SPRINGS		0	0	0	4	84	140	278	192	104	-	-	-	-	535
LEXINGTON		0	0	5	30	160	224	336	252	150	6	0	0	1163	979
ROANOKE WSO AIRPORT	R	0	0	2	29	188	267	407	311	185	28	1	0	1418	1085
STAUNTON SEWAGE PLANT		0	0	0	10	103	171	280	195	106	5	0	0	870	809
SOUTHWESTERN MOUNTAIN 06															
ABINGDON 3 S		0	0	0	16	122	163	287	201	118	1	0	0	908	-
BIG STONE GAP		0	0	0	9	165	208	354	257	168	15	0	0	1176	-
BLACKSBURG 3 SE		0	0	0	9	89	135	290	188	119	5	0	0	835	585
BLAND		0	0	0	7	63	92	200	122	76	0	0	0	560	-
BURKES GARDEN		0	0	0	3	37	70	143	79	40	0	0	0	372	252
FLOYD 2 NE		0	0	0	5	58	109	208	129	85	1	0	0	595	544
GALAX RADIO WBOB		0	0	0	10	90	130	268	144	89	0	0	0	731	-
GRUNDY		0	0	2	23	186	203	339	305	216	28	4	0	1306	-
LEBANON		0	0	0	11	116	153	277	188	115	2	1	0	863	-
MOUNT LAKE BIOL STN		-	-	-	-	20	37	124	B 51	-	B 0	-	-	-	-
PENNINGTON GAP		0	0	0	12	156	227	344	237	158	14	0	0	1148	830
PULASKI		0	0	0	9	97	144	271	165	110	1	0	0	797	-
RICHLANDS		0	0	0	6	111	146	276	186	122	1	1	0	849	-
SALTVILLE 1 N		0	0	0	12	129	156	307	224	126	1	1	0	956	-
STAFFORDSVILLE 3 ENE		0	0	2	17	126	160	307	223	139	10	5	0	989	-
WISE 1 SE		0	0	0	10	116	131	244	160	108	13	0	0	782	-
WYTHEVILLE 1 S		0	0	0	10	99	125	246	154	106	0	0	0	740	576

SEE REFERENCE NOTES FOLLOWING STATION INDEX

TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA
1991

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
VIRGINIA														
TIDEWATER	01													
HOLLAND 1 E					1101	704	678	544	405	521	525	-	-	-
	WIND	-	-	-	B 5.50	B 6.91	7.69	B 6.76	B 5.61	5.30	3.26	-	-	-
	EVAP	-	-	-	71.1	83.7	87.3	90.8	88.0	81.6	69.9	-	-	M
	MAX TEMP	-	-	-	46.1	58.4	62.2	68.8	66.7	58.7	47.1	-	-	M
	MIN TEMP	-	-	-								-	-	-
EASTERN PIEDMONT	02													
JOHN H KERR DAM					1560	1342	1292	1375	1061	1271	997	-	-	-
	WIND	-	-	-	B 3.89	5.43	6.70	6.30	4.75	3.96	2.70	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
WESTERN PIEDMONT	03													
PHILPOTT DAM 2					919	548	508	475	499	487	598	-	-	-
	WIND	-	-	-	B 2.80	4.43	4.57	4.34	3.85	2.87	2.49	-	-	-
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN	04													
PIEDMONT RESEARCH STN					1545	1168	860	734	640	762	850	-	-	-
	WIND	-	-	-	B 5.28	6.51	B 6.60	B 6.27	5.67	B 5.49	3.51	-	-	-
	EVAP	-	-	-	69.5	85.5	90.0	92.7	91.4	83.8	71.6	-	-	M
	MAX TEMP	-	-	-	46.1	61.8	65.7	71.4	68.4	60.4	48.1	-	-	M
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTRAL MOUNTAIN	05													
GATHRIGHT DAM						609	396	472	441	462	668	-	-	-
	WIND	-	-	-	-	5.26	5.26	5.64	5.13	3.66	3.03	-	-	-
	EVAP	-	-	-	-	76.2	81.7	82.9	81.7	72.0	60.5	-	-	M
	MAX TEMP	-	-	-	-	53.1	57.1	61.1	58.3	52.4	38.6	-	-	M
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

VIRGINIA
1991

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	
VIRGINIA												
ABINGDON 3 S	0021	06	WASHINGTON	36 40	81 58W	1923	23	23	0			H
ALLISONIA 2 SSE	0135	06	PULASKI	36 54	80 44W	1850	0	40	0			
ALTAVISTA	0166	03	CAMPBELL	37 6	79 18W	510	0	46	0			C H
AMELIA 4 SW	0187	02	AMELIA	37 18	78 2W	358	23	23	0			
APPOMATTOX	0243	03	APPOMATTOX	37 22	78 50W	909	30	53	0			
ASHLAND	0327	02	HANOVER	37 45	77 29W	220	79	79	0			H
BACK BAY WILDLIFE REFU	0385	01		36 40	75 55W	10	39	39	0			
BEDFORD	0551	03	BEDFORD	37 21	79 31W	975	63	77	0			
BIG MEADOWS	0720	04	MADISON	38 31	78 26W	3536	56	56	0			H
BIG STONE GAP	0735	06	WISE	36 51	82 48W	1864	2	2	0			H
BLACKSBURG 3 SE	0766	06	MONTGOMERY	37 11	80 25W	2000	40	40	0			H
BLAND	0792	06	BLAND	37 6	81 6W	2000	1	41	0			H
BREMO BLUFF	0993	02	FLUVANNA	37 42	78 18W	225	6	51	0			C
BUCHANAN	1121	05	BOTETOURT	37 32	79 41W	880	70	87	0			
BUCKINGHAM	1136	02	BUCKINGHAM	37 33	78 33W	460	0	56	0			H
BUENA VISTA	1159	05	ROCKBRIDGE	37 44	79 21W	840	0	54	0			
BURKES GARDEN	1209	06	TAZEWELL	37 5	81 20W	3300	94	96	0			H
BYLLESBY 3 W	1259	06	CARROLL	36 48	80 59W	2610	0	26	0			
CAMP PICKETT	1322	02	NOTTOWAY	37 2	77 57W	330	20	20	0			C H
CHARLOTTE COURT HSE 3W	1585	03	CHARLOTTE	37 4	78 42W	590	45	45	0			
CHARLOTTESVILLE 2 W	1593	03	ALBEMARLE	38 2	78 31W	869	88	115	0			
CHASE CITY	1606	02	MECKLENBURG	36 50	78 28W	512	44	44	0			
CHATHAM	1614	03	PITTSYLVANIA	36 49	79 24W	640	68	68	0			C
CLARKSVILLE	1746	02	MECKLENBURG	36 37	78 34W	310	0	100	0			H
COLONIAL BEACH	1913	01	WESTMORELAND	38 15	76 58W	10	29	29	0			
CONCORD 4 SSW	1955	03	CAMPBELL	37 18	78 59W	640	0	42	0			H
COPPER HILL 1 NNE	1999	06	FLOYD	37 6	80 8W	2723	0	50	0			H
CORBIN	2009	02	CAROLINE	38 12	77 22W	220	33	33	0			H
COVINGTON	2041	05	ALLEGHANY	37 48	80 0W	1250	0	54	0			H
COVINGTON FILTER PLANT	2044	05	ALLEGHANY	37 48	80 0W	1230	31	31	0			C
CRAIGSVILLE 2 S	2064	05	AUGUSTA	38 3	79 23W	1782	0	29	0			H
CROZIER	2142	02	GOOCHLAND	37 38	77 48W	300	16	53	0			H
CULPEPER	2155	04	CULPEPER	38 29	77 59W	475	79	81	0			
CUMBERLAND	2160	02	CUMBERLAND	37 30	78 15W	460	0	13	0			H
DALE ENTERPRISE	2208	05	ROCKINGHAM	38 27	78 56W	1400	109	111	0			C H
DANVILLE	2245	03	PITTSYLVANIA	36 35	79 23W	410	74	101	0			H
EARLEHURST	2600	05	ALLEGHANY	37 40	80 14W	2041	0	16	0			H
EMPORIA 1 WNW	2790	01	GREENSVILLE	36 41	77 33W	100	9	61	0			
FARMVILLE 2 N	2941	02	CUMBERLAND	37 20	78 23W	449	70	72	0			H
FLOYD 2 NE	3071	06	FLOYD	36 56	80 18W	2598	59	59	0			
FREDERICKSBURG NATL PK	3192	01	SPOTSYLVANIA	38 19	77 27W	90	98	100	0			
FREE UNION	3213	03	ALBEMARLE	38 5	78 34W	570	0	37	0			
GALAX RADIO WBOB	3267	06	CARROLL	36 40	80 55W	2386	37	48	0			
GATHRIGHT DAM	3310	05	ALLEGHANY	37 57	79 57W	1770	13	13	13			C H
GLASGOW 1 SE	3375	05	ROCKBRIDGE	37 37	79 26W	740	0	25	0			H
GLEN LYN	3397	06	GILES	37 22	80 52W	1522	48	78	0			
GORDONSVILLE 3 S	3466	02	LOUISA	38 5	78 11W	459	0	31	0			H
GOSHEN	3470	05	ROCKBRIDGE	37 59	79 30W	1352	0	52	0			
GRUNDY	3640	06	BUCHANAN	37 16	82 5W	1170	31	41	0			H
HILLSVILLE	3991	06	CARROLL	36 44	80 43W	2505	0	49	0			H
HOLLAND 1 E	4044	01	NANSEMOND	36 41	76 47W	80	59	59	3			H
HOPEWELL	4101	01	PRINCE GEORG	37 18	77 18W	40	99	104	0	JAN		
HOT SPRINGS	4128	05	BATH	38 0	79 50W	2236	98	100	0			C H

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

VIRGINIA
1991

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	
HUDDLESTON 4 SW	4148	03	BEDFORD	37 8	79 32W	970	0	42	0			
JOHN W FLANNAGAN LAKE	4410	06	DICKENSON	37 14	82 21W	1462	0	23	0			
JOHN H KERR DAM	4414	02	HECKLENBURG	36 36	78 17W	2500	43	43	4			C H
KERRS CREEK 6 WNW	4565	03	ROCKBRIDGE	37 51	79 35W	1500	0	30	0			
KEYSVILLE 8 N	4568	02	PRINCE EDWARD	37 10	78 31W	550	0	13	0			
KILMARNOCK 1 N	4600	01	LANCASTER	37 43	76 23W	59	13	13	0			
LAFAYETTE 1 NE	4676	06	MONTGOMERY	37 14	80 13W	1320	0	41	0			H H
LANGLEY AIR FORCE BASE	4720	01		37 5	76 21W	13	106	155	0			H H
LAWRENCEVILLE 3 E	4768	02	BRUNSWICK	36 46	77 47W	325	46	46	0			H H
LEBANON	4777	06	RUSSELL	36 55	82 4W	1710	3	3	0			
LEXINGTON	4876	05	ROCKBRIDGE	37 47	79 26W	1060	113	120	0			H H
LINCOLN	4909	04	LOUDOUN	39 7	77 43W	500	90	91	0			H H
LOUISA	5050	02	LOUISA	38 2	78 0W	420	76	76	0			H H
LURAY 5 E	5096	04	PAGE	38 40	78 23W	1201	50	50	0			H H
LYNCHBURG WSO AIRPORT	5120	03	CAMPBELL	37 20	79 12W	921	120	120	0			C H J
MARTINSVILLE FILTER PL	5300	03	HENRY	36 42	79 53W	760	52	60	0			
MATHEWS 2 ENE	5338	01	MATHEWS	37 27	76 17W	10	41	41	0			
MCDOWELL 3 W	5416	05	HIGHLAND	38 21	79 32W	2400	0	12	0			H
MEADOWS OF DAN 5 SW	5453	03	PATRICK	36 40	80 27W	1500	0	42	0			
MILLGAP 2 NNW	5595	05	HIGHLAND	38 21	79 43W	2520	0	16	0			C H
MONTABELLO 2 NE	5685	03	NELSON	37 53	79 8W	2681	0	54	0			H H
MONTEREY	5698	05	HIGHLAND	38 25	79 35W	2923	49	65	0			H H
MONTICELLO	5700	03	ALBEMARLE	38 1	78 27W	780	10	10	0			
MOUNTAIN GROVE	5756	05	BATH	38 6	79 53W	1772	0	16	0			
MOUNT LAKE BIOL STN	5828	06	GILES	37 23	80 32W	3872	21	21	0			
MOUNT WEATHER	5851	04	LOUDOUN	39 4	77 53W	1720	87	88	0			
NEWPORT 2 NNW	6046	06	GILES	37 19	80 31W	2060	0	46	0			
NORFOLK WSO AIRPORT	6139	01		36 54	76 12W	24	46	46	0			C H J
NORTH FORK LAKE	6173	06	WISE	37 8	82 38W	1680	0	23	0			H H
PAINTER 2 W	6475	01	ACCOMACK	37 35	75 49W	30	36	36	0			C H
PALMYRA 1 E	6491	02	FLUVANNA	37 52	78 15W	410	0	35	0			H H
PENNINGTON GAP	6626	06	LEE	36 45	83 3W	1510	59	59	0			H H
PHILPOTT DAM 2	6692	03	HENRY	36 47	80 2W	1123	39	39	39			C H
PIEDMONT RESEARCH STN	6712	04	ORANGE	38 13	78 7W	515	44	45	19			C H
POWHATAN	6906	02	POWHATAN	37 33	77 56W	370	0	32	0			
PULASKI	6955	06	PULASKI	37 4	80 47W	1850	31	31	0			C H
RADFORD	6999	06		37 8	80 33W	1732	0	24	0			
RICHLANDS	7174	06	TAZEWELL	37 6	81 50W	1910	3	3	0			
RICHMOND WSO AIRPORT	7201	02	HENRICO	37 30	77 20W	164	54	54	0	JAN		C H J
ROANOKE WSO AIRPORT #	7285	05	ROANOKE	37 19	79 58W	1149	57	59	0			C H
ROCKFISH	7312	03	NELSON	37 48	78 45W	485	0	53	0			
ROCKY MOUNT	7338	03	FRANKLIN	37 0	79 54W	1232	98	98	0			C H
ROSELAND 1 NNW	7402	03	ROSELAND	37 48	78 59W	880	0	6	0			H H
SALTVILLE 1 N	7506	06	SMYTH	36 53	81 46W	1733	58	60	0			H H
SOUTH BOSTON	7925	03	HALIFAX	36 42	78 53W	340	36	36	0			
STAFFORDSVILLE 3 ENE	8022	06	GILES	37 16	80 43W	1952	22	40	0			
STAUNTON SEWAGE PLANT	8062	05	AUGUSTA	38 9	79 2W	1390	99	105	0			C H
STERLING RCS	8084	04	LOUDOUN	38 59	77 28W	279	15	15	0			H H
STONY CREEK 3 ESE	8129	01	SUSSEX	36 55	77 21W	70	33	33	0			H H
STUART	8170	03	PATRICK	36 38	80 16W	1375	32	32	0			
SUFFOLK LAKE KILBY	8192	01	NANSEMOND	36 44	76 36W	22	45	45	0			H H
TANGIER ISLAND	8323	01	ACCOMACK	37 50	76 0W	10	39	39	0			H H
THE PLAINS 2 NNE	8396	04	FAUQUIER	38 54	77 45W	530	0	46	0			C H
TIMBERVILLE 3 E	8448	05	ROCKINGHAM	38 39	78 43W	1001	48	59	0			H

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

VIRGINIA
1991

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	
TROUT DALE 3 SSE	8547	06	GRAYSON	36 40	81 24 W	2820	0	56	0			C
TYE RIVER 1 SE	8600	03	NELSON	37 38	78 56 W	722	29	53	0			
VIENNA DUNN LORING	8737	04	FAIRFAX	38 54	77 13 W	420	0	43	0			
WAKEFIELD 2 NW	8800	01	SUSSEX	36 59	77 0 W	90	17	17	0			C
WALKERTON 2 NW	8829	01	KING AND QUE	37 45	77 3 W	49	58	59	0			C
HALLACETON LK DRUMMOND	8837	01		36 36	76 26 W	30	0	65	0			
WARRENTON 3 SE	8888	04	FAUQUIER	38 41	77 46 W	502	41	41	0			H
WARSAW 2 NW	8894	01	RICHMOND	37 59	76 46 W	141	41	41	0			H
WASHINGTON WSO DULLES	8903	04	LOUDOUN	38 57	77 27 W	290	30	30	0			H
WASHINGTON NATL WSCMO	8906	04	ARLINGTON	38 51	77 2 W	10	51	51	0			C
WEST POINT 2 SW	9025	01	NEW KENT	37 31	76 50 W	18	38	38	0			H
WILLIAMSBURG 2 N	9151	01	YORK	37 18	76 42 W	70	41	46	0			C
WILLIS	9169	06	FLOYD	36 51	80 29 W	2900	0	13	0			
WINCHESTER WINC	9181	04	FREDERICK	39 11	78 9 W	720	10	10	0			H
WINCHESTER 3 ESE	9186	04	FREDERICK	39 11	78 7 W	679	86	85	0			H
WINTERPOCK 4 W	9213	02	CHESTERFIELD	37 20	77 39 W	302	0	13	0			
WISE 1 SE	9215	06	WISE	36 58	82 34 W	2570	37	37	0			C
WOODSTOCK 2 NE	9263	04	SHENANDOAH	38 54	78 28 W	659	93	99	0			H
WOOLWINE 4 S	9272	03	PATRICK	36 41	80 16 W	1520	0	41	0			C
WYTHEVILLE 1 S	9301	06	WYTHE	36 56	81 5 W	2450	88	118	0			C

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

VIRGINIA
1991

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 (ie: not precipitation alone).

NORMALS: The average value of the meteorological element over the time period - 1951-1980. 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 degree that the daily mean temperature is below (above) 65 deg. F

SOIL TEMPERATURE EXTREMES: The highest and lowest MAX and MIN temperature for each month and the year.

WIND: (As shown in "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 the 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 (eg. Z14.6 = M-14.6, Z08.2 = M108.2).

SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

- # Thermometers located in a 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 Ground" table in Monthly "Climatological Data" publications.
- 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.

The graphic displays appearing in this publication were first produced for the 1986 annual. The types of graphs and the information they portray may vary from year to year and from state to state in order to highlight climatic features of state, regional, and historical interest. Some graphs present information for "clusters". A cluster is a group of up to four (4) adjacent divisions that comprise an area of similar climate.

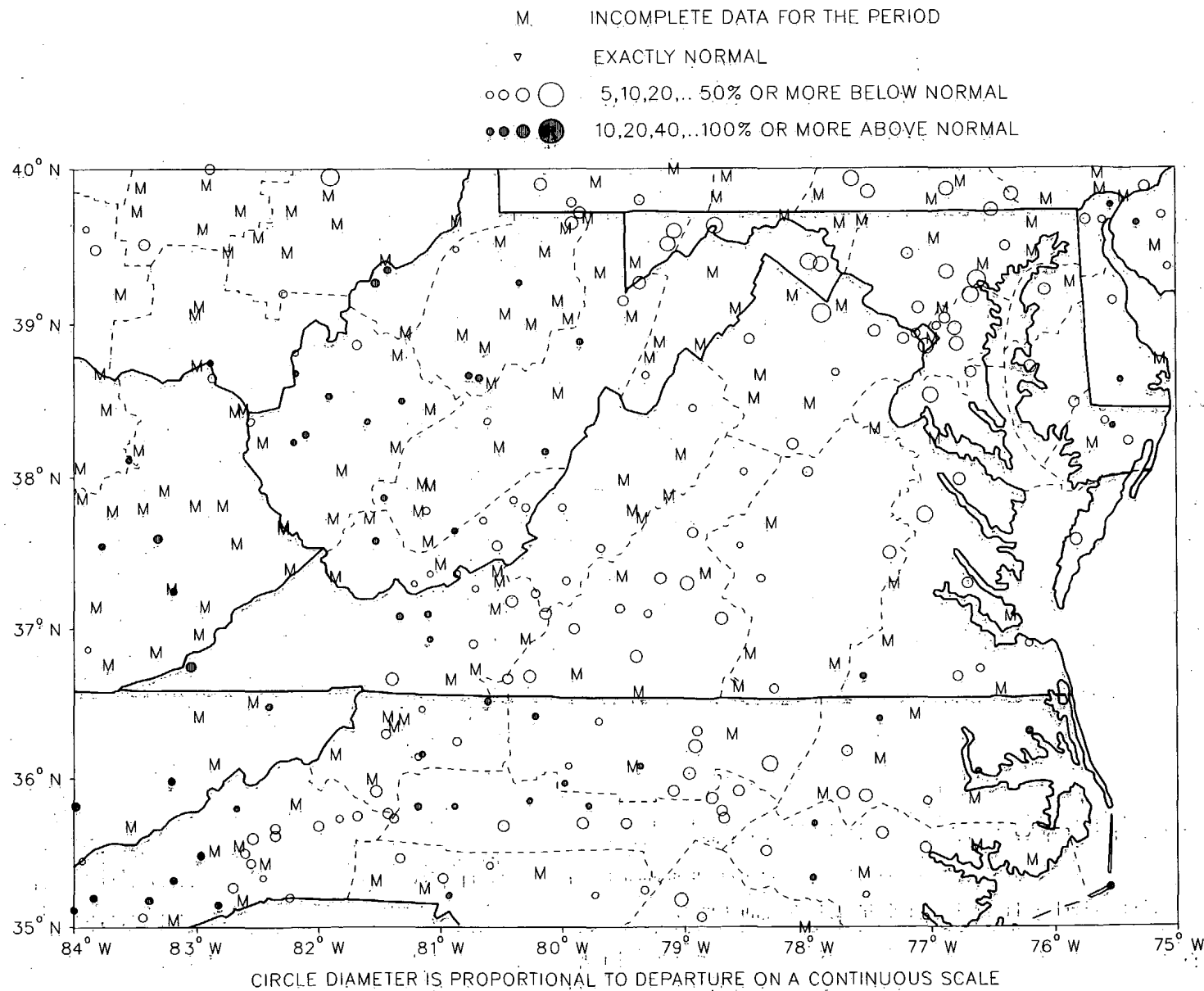
Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Climatic Data Center. Similar historical information for regular National Weather Service Offices is available from the "Local Climatological Data" annual bulletin.

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

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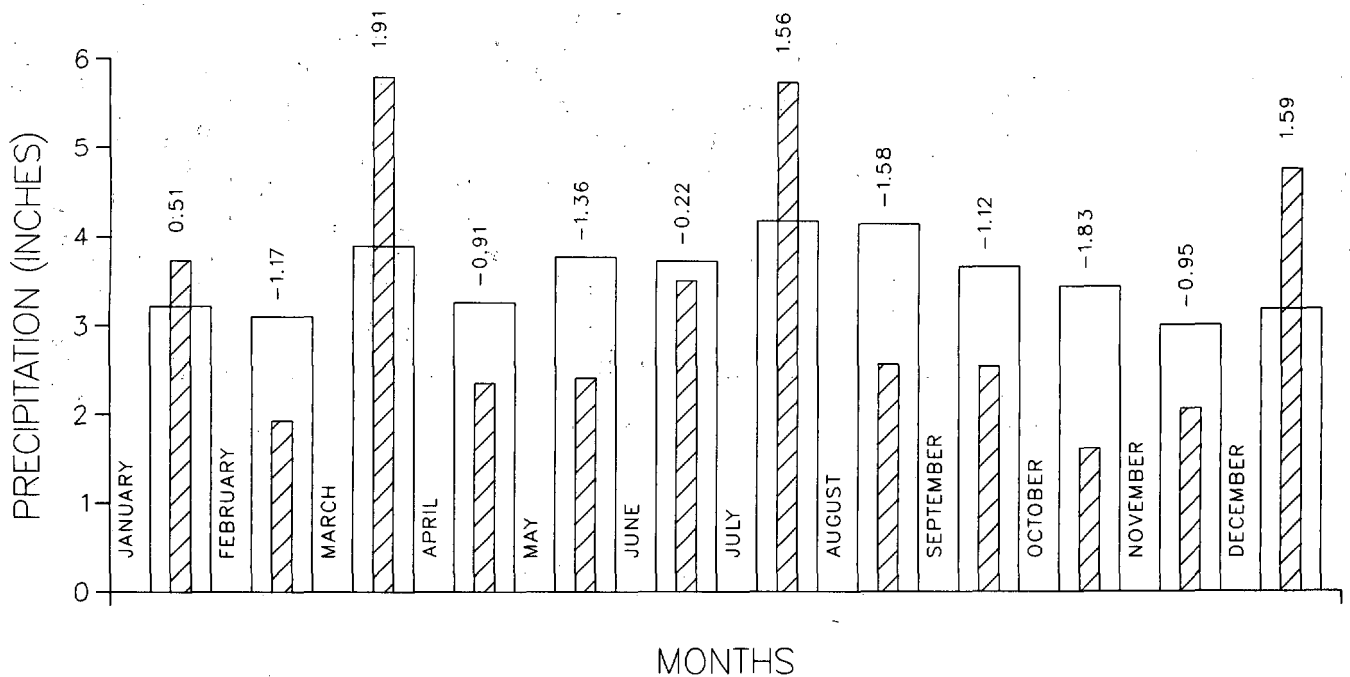
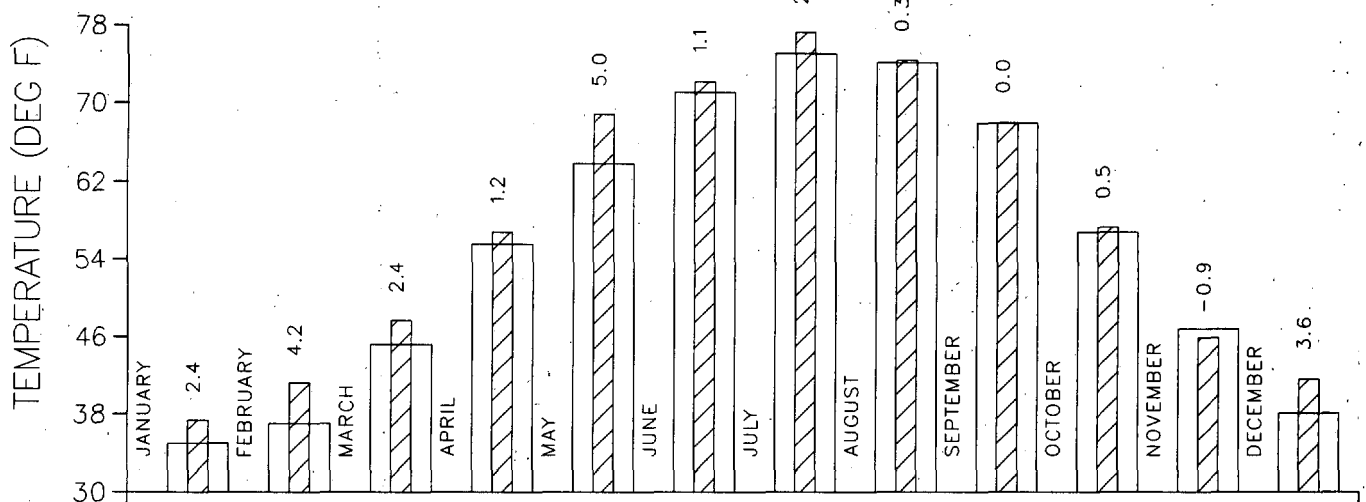
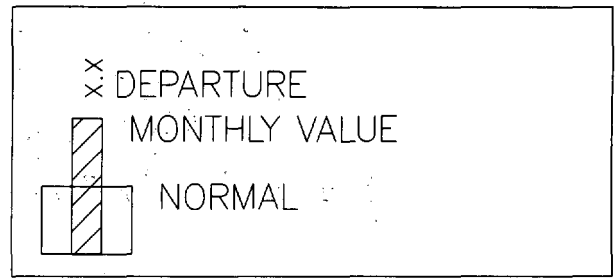
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
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CUMULATIVE ANNUAL PRECIPITATION DEPARTURE FROM INDIVIDUAL STATION NORMALS (1951-1980) FOR 1991 VIRGINIA



TEMPERATURE AND PRECIPITATION AREALLY WEIGHTED STATE AVERAGES AND DEPARTURES FROM NORMAL (1951-1980) FOR 1991

VIRGINIA



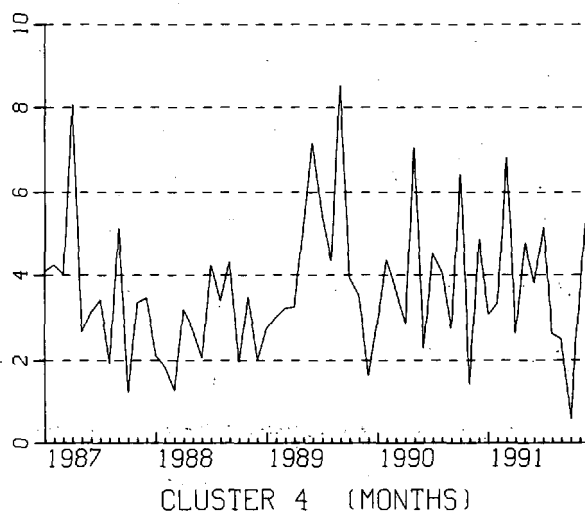
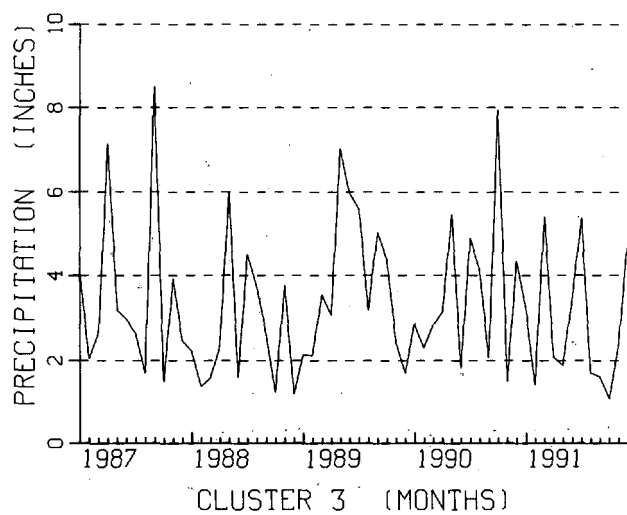
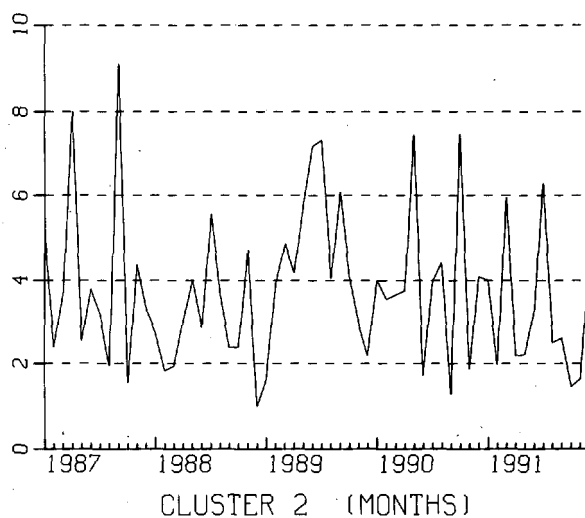
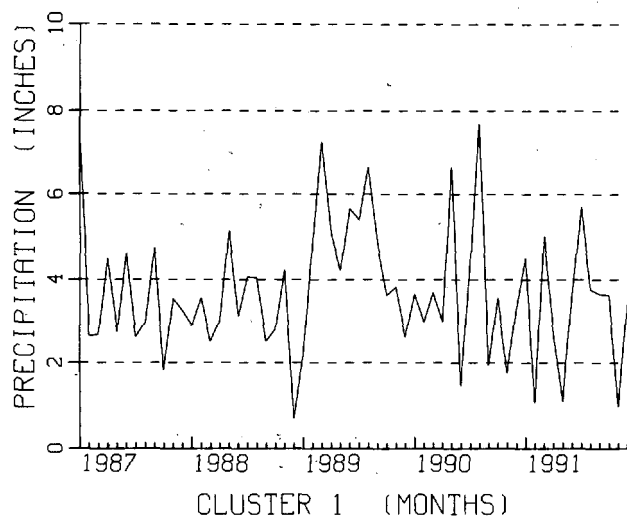
MONTHLY PRECIPITATION FOR THE LAST 60 MONTHS ENDING DECEMBER 1991 VIRGINIA

CLUSTER 1 -DIVISION(S):
TIDEWATER 01

CLUSTER 2 -DIVISION(S):
EASTERN PIEDMONT 02
WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
NORTHERN 04
CENTRAL MOUNTAIN 05

CLUSTER 4 -DIVISION(S):
SOUTHWESTERN MOUNTAIN 06



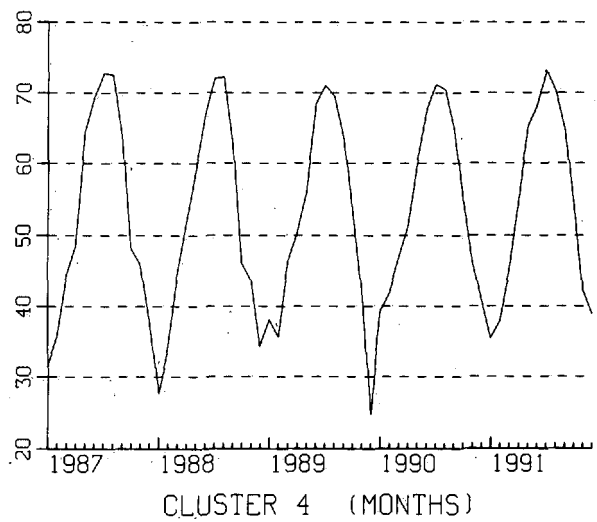
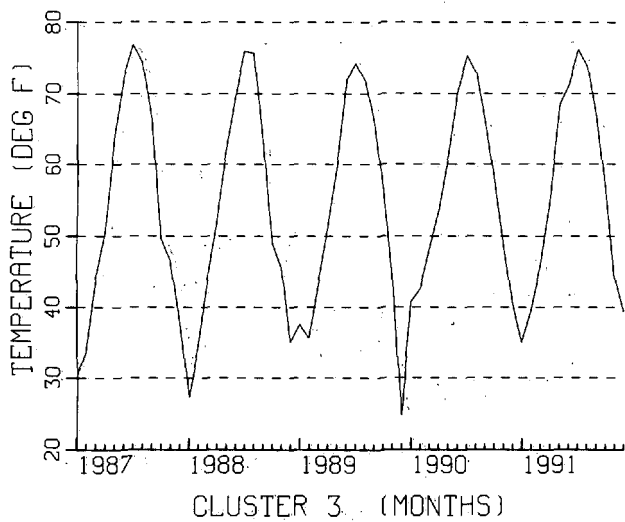
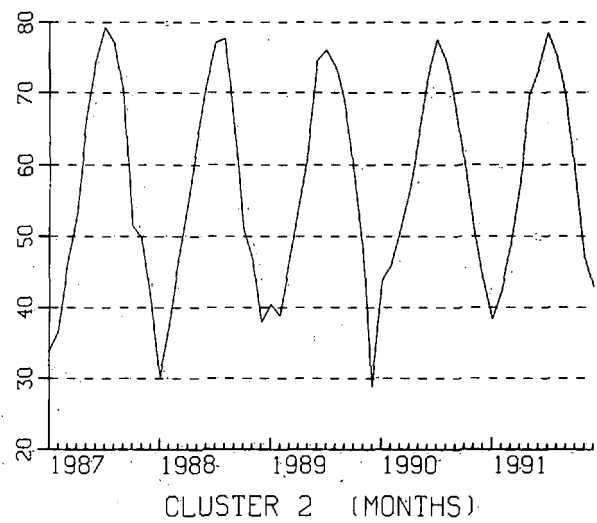
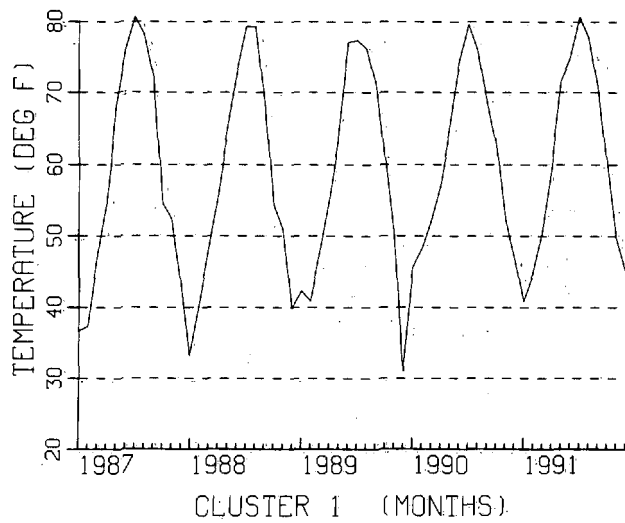
MONTHLY TEMPERATURE FOR THE LAST 60 MONTHS ENDING DECEMBER 1991 VIRGINIA

CLUSTER 1 -DIVISION(S):
TIDEWATER 01

CLUSTER 2 -DIVISION(S):
EASTERN PIEDMONT 02
WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
NORTHERN 04
CENTRAL MOUNTAIN 05

CLUSTER 4 -DIVISION(S):
SOUTHWESTERN MOUNTAIN 06



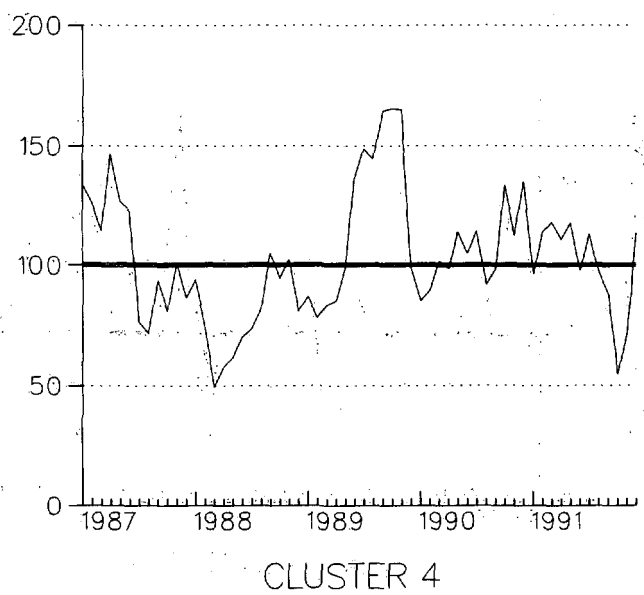
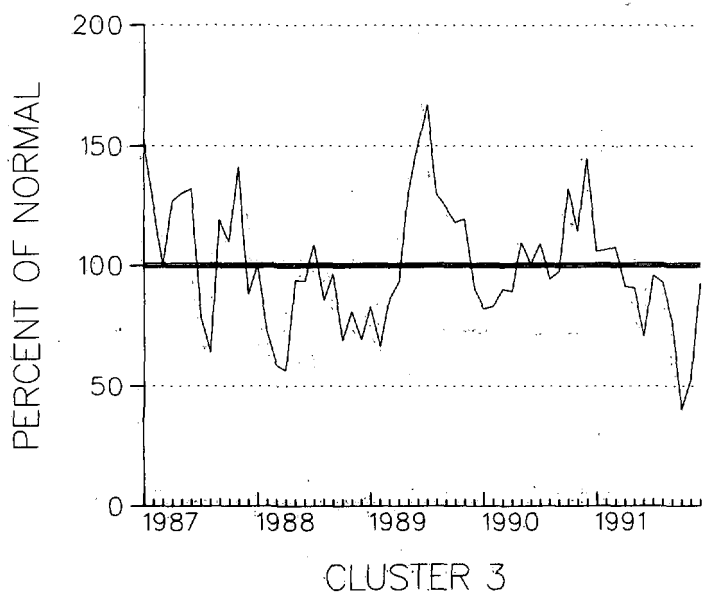
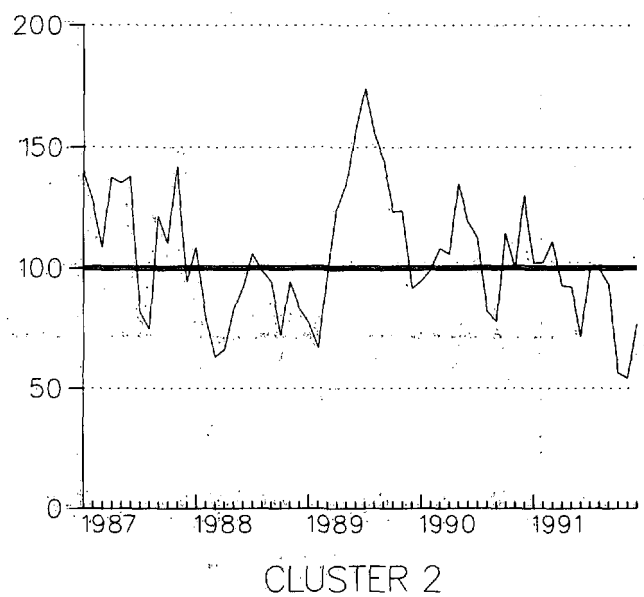
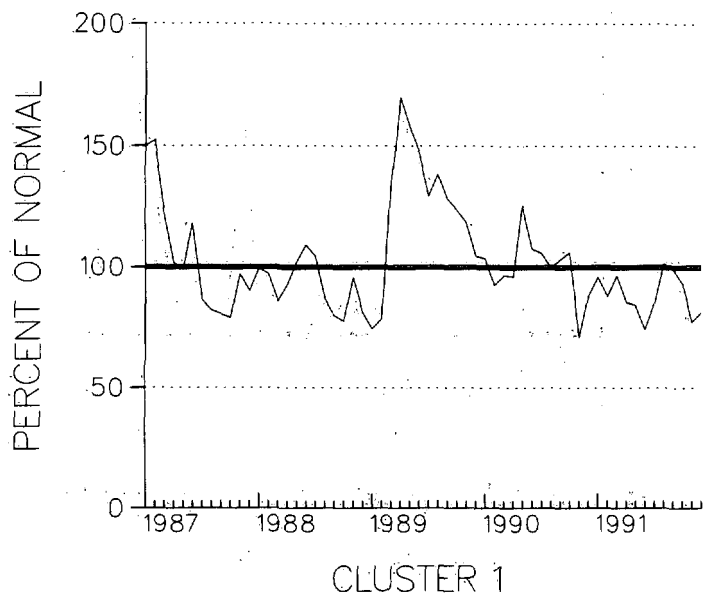
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) THREE MONTH RUNNING MEAN FOR THE 60 MONTHS ENDING WITH DECEMBER 1991 DATA VIRGINIA

CLUSTER 1 -DIVISION(S):
 TIDEWATER 01

CLUSTER 2 -DIVISION(S):
 EASTERN PIEDMONT 02
 WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
 NORTHERN 04
 CENTRAL MOUNTAIN 05

CLUSTER 4 -DIVISION(S):
 SOUTHWESTERN MOUNTAIN 06



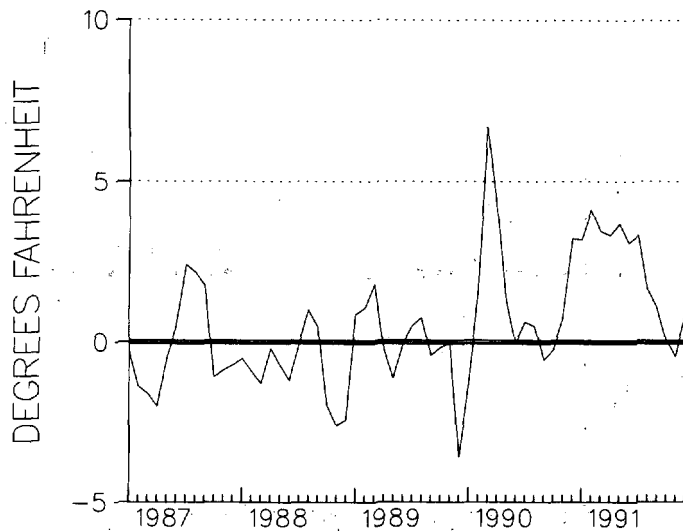
TEMPERATURE DEPARTURES FROM NORMAL (1951-1980)
THREE MONTH RUNNING MEAN
FOR THE 60 MONTHS ENDING WITH DECEMBER 1991 DATA
VIRGINIA

CLUSTER 1 -DIVISION(S):
TIDEWATER 01

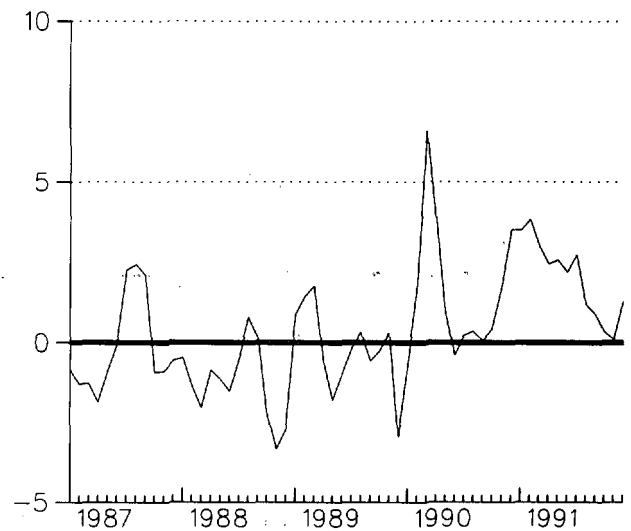
CLUSTER 2 -DIVISION(S):
EASTERN PIEDMONT 02
WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
NORTHERN 04
CENTRAL MOUNTAIN 05

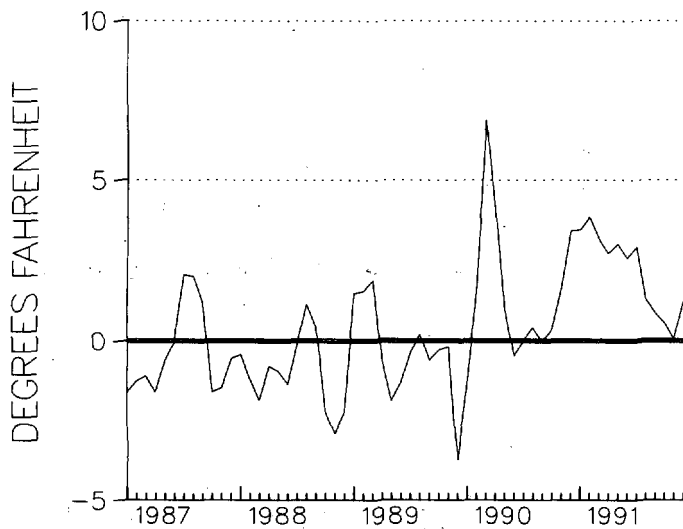
CLUSTER 4 -DIVISION(S):
SOUTHWESTERN MOUNTAIN 06



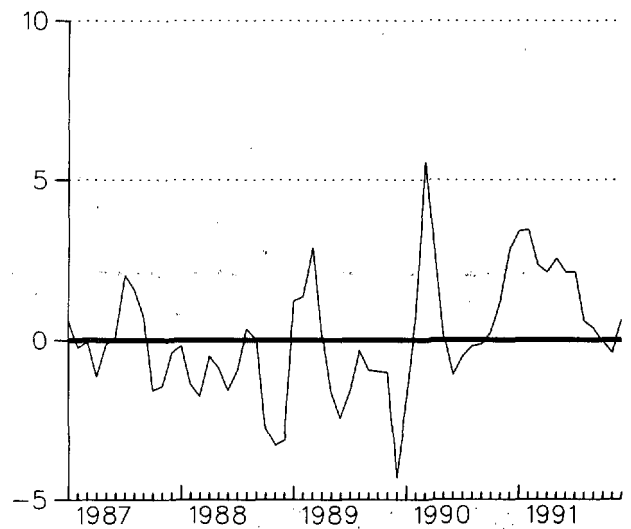
CLUSTER 1



CLUSTER 2



CLUSTER 3



CLUSTER 4

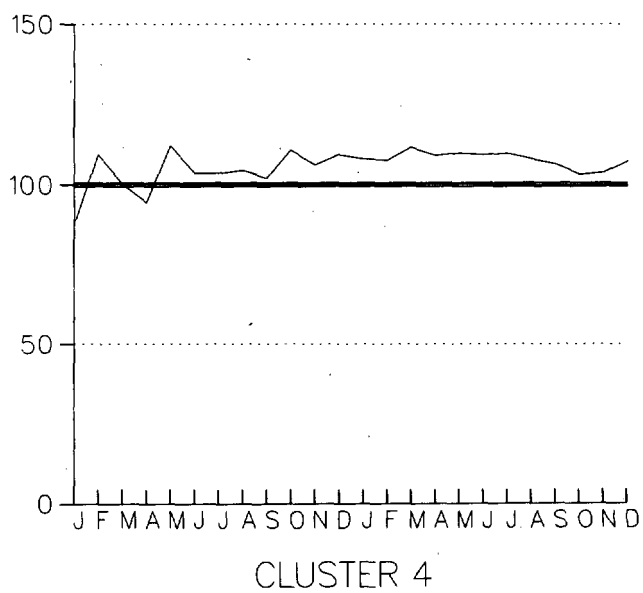
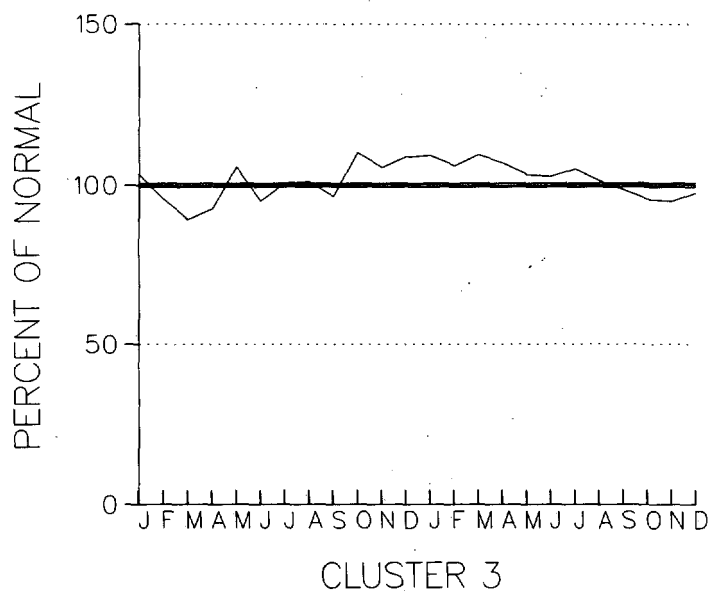
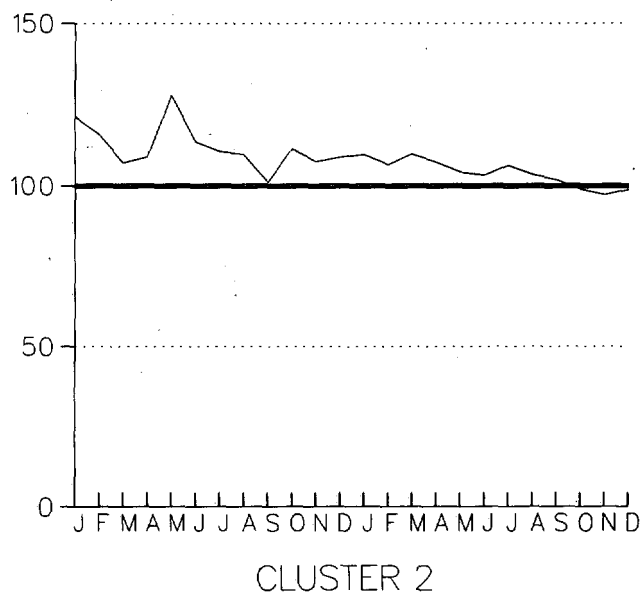
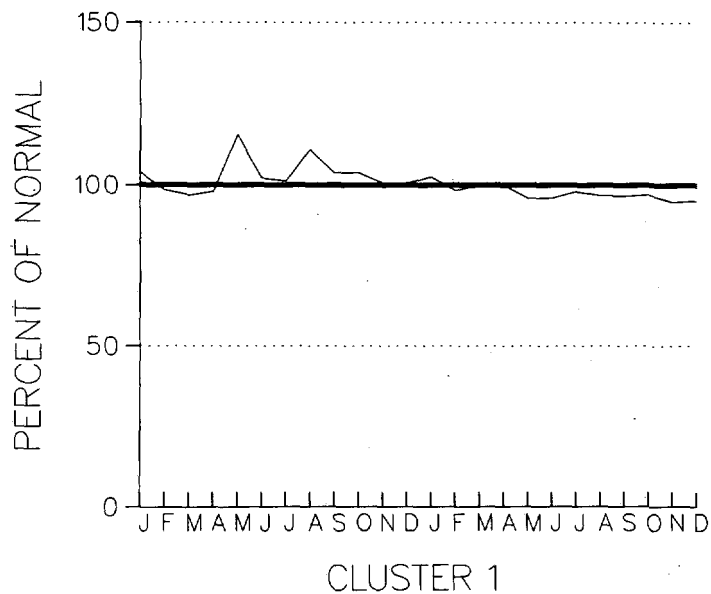
CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 24 MONTHS ENDING DECEMBER 1991 VIRGINIA

CLUSTER 1 -DIVISION(S):
TIDEWATER 01

CLUSTER 2 -DIVISION(S):
EASTERN PIEDMONT 02
WESTERN PIEDMONT 03

CLUSTER 3 -DIVISION(S):
NORTHERN 04
CENTRAL MOUNTAIN 05

CLUSTER 4 -DIVISION(S):
SOUTHWESTERN MOUNTAIN 06



44 - VIRGINIA & D.C.

ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 39.5 AND 45.5 DEGS.

STATUTE MILES



STATION LEGEND

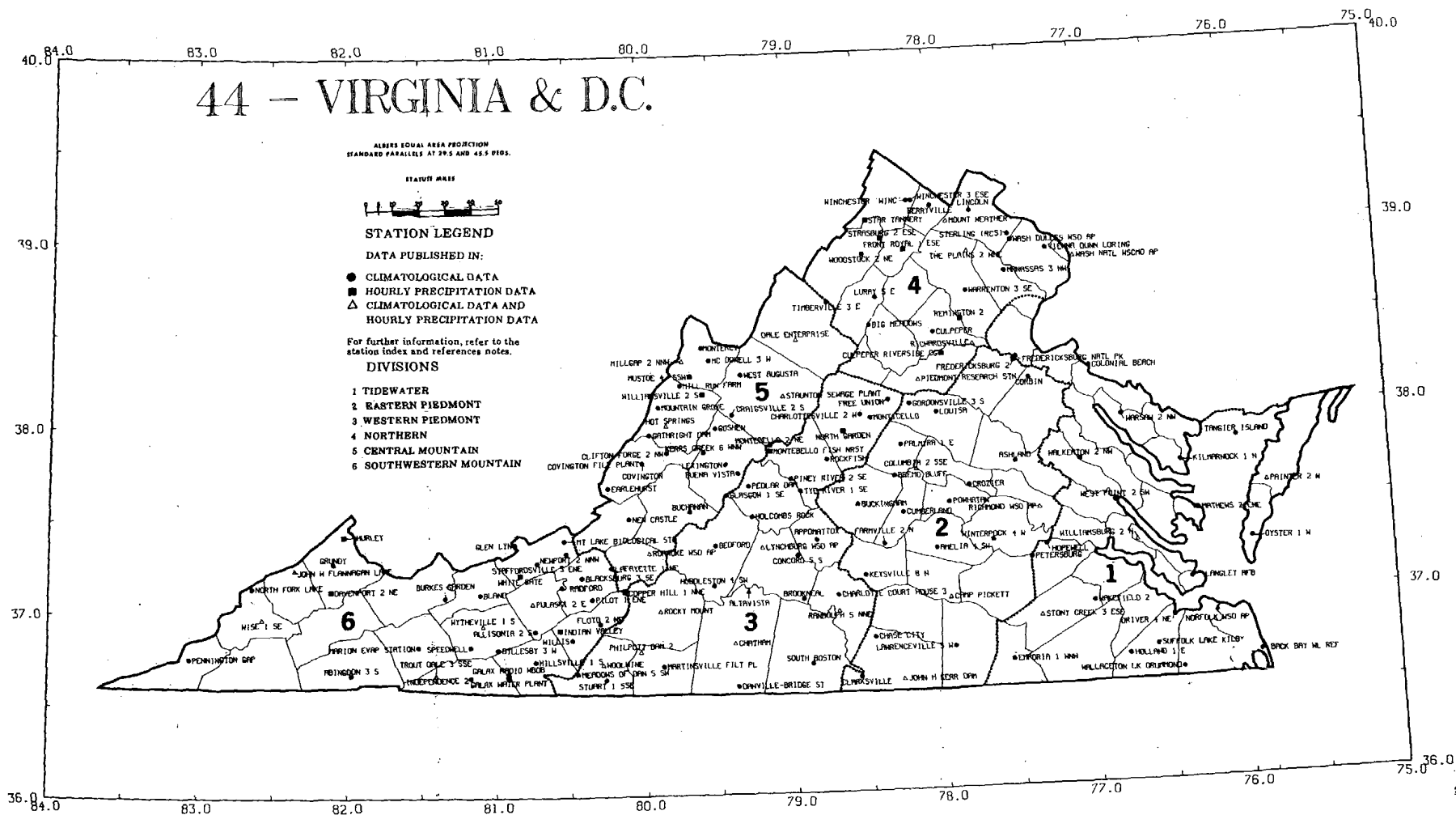
DATA PUBLISHED IN:

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- HOURLY PRECIPITATION DATA
- △ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA

For further information, refer to the station index and reference notes.

DIVISIONS

- 1 TIDEWATER
- 2 EASTERN PIEDMONT
- 3 WESTERN PIEDMONT
- 4 NORTHERN
- 5 CENTRAL MOUNTAIN
- 6 SOUTHWESTERN MOUNTAIN



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