

# CLIMATOLOGICAL DATA ANNUAL SUMMARY

VIRGINIA  
1990

VOLUME 100 NUMBER 13



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CLIMATIC DATA CENTER  
ASHEVILLE NORTH CAROLINA

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA  
1990

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	3.37		3.02		3.66		2.95		6.33		1.01	
COLONIAL BEACH	3.72		2.40		3.56		3.87		7.26		2.33	
EMPORIA 1 WNW	3.92	.68	3.94	.65	3.17	-.29	3.16	.26	5.44	1.55	1.64	-1.84
FREDERICKSBURG NATL PK	4.74	1.63	2.02	-.86	3.47	-.37	3.64	.58	6.34	2.87	1.38	-2.26
HOLLAND 1 E	2.74	-1.31	3.62	.07	3.12	-.84	3.70	.65	6.09	2.06	1.97	-2.30
HOPEWELL	3.49	-.08	2.70	-.55	3.46	-.22	2.82	-.35	7.93	4.11	1.35	-3.11
KILMARNOCK 1 N	3.18		2.84		3.85		2.99		8.68		2.27	
LANGLEY AIR FORCE BASE	4.47	.75	4.49	1.00	4.10	-.16	3.13	.29	4.18	.41	1.05	-2.69
MATHEWS 2 ENE	4.26		2.94		5.15		2.92		5.20		.68	
NORFOLK WSO AIRPORT	3.26	-.46	2.93	-.35	3.49	-.37	3.55	.68	3.79	.04	3.51	.06
PAINTER 2 W	3.81	.40	2.53	-.78	4.33	.20	2.46	-.46	7.38	3.91	1.77	-1.74
STONY CREEK 3 ESE	3.71		3.02		3.04		3.35		7.01		.92	
SUFFOLK LAKE KILBY	2.87	-1.03	3.64	.00	3.43	-.68	3.09	.14	5.42	1.61	1.87	-2.17
TANGIER ISLAND	M		M		M		M		M		M	
WAKEFIELD 2	2.25		2.37	-.81	4.85		.85		7.80	3.94	.95	
WALKERTON 2 NW	3.29	-.03	4.87	1.23	2.89	-.78	2.87	-.07	6.54	2.40	1.35	-2.68
WALLACETON LK DRUMMOND	3.34	-.69	2.49	-.25	4.17	.15	3.60	.39	10.93	6.92	.80	-3.20
WARSAW 2 NW	3.40	.23	2.29		3.47	-.04	3.20	.24	7.16		.88	-2.81
WEST POINT 2 SW	4.00		3.35	-.14	3.30		2.82		6.28	1.88	1.99	
WILLIAMSBURG 2 N	3.78	.04	2.98	-.25	4.16	-.06	2.18	-.80			.64	-3.57
--DIVISIONAL DATA-->	3.65	.14	2.98	-.25	3.69	-.24	2.98	.06	6.66	2.96	1.48	-2.22
EASTERN PIEDMONT 02												
AMELIA 4 SW	4.00		2.70		3.15		3.69		6.24		.35	
ASHLAND	2.93		2.75		2.88		3.88		8.36		.97	
BREMO BLUFF	4.78	1.70	2.24	-.84	4.70	.89	3.02	-.10	7.35	3.62	1.22	-2.38
BUCKINGHAM	4.73	1.64	2.36	-.58	4.58	.86	3.07	-.08	8.37	4.57	1.51	-1.81
CAMP PICKETT	4.70		2.83		2.55		4.70		6.22		.69	
CHASE CITY	5.54	1.78	3.54	.08	3.84	.30	4.82	1.69	7.45	4.02	1.09	-2.48
CLARKSVILLE	4.24	.61	4.01	.62	2.51	-1.28	3.54	.37	10.51	6.82	2.98	-.63
CORBIN	3.97		2.42		3.07		3.12		6.21		2.16	
CROZIER	3.73		2.91		3.46		4.70		8.27		.99	
CUMBERLAND	4.13		2.83		3.06		3.79		7.03		1.19	
FARMVILLE 2 N	4.32	.86	3.50	.20	3.40	-.49	4.56	1.40	5.68	1.86	1.41	-2.22
GORDONSVILLE 3 S	4.64		2.41		3.35		3.04		10.11		1.71	
JOHN H KERR DAM	3.64	.24	3.38	.13	2.69	-.90	4.22	1.23	6.81	3.24	2.53	-.87
KEYSVILLE 8 N	2.49				2.85		1.92		5.08		1.52	
LAWRENCEVILLE 5 W	4.29	.67	3.18	-.50	4.04	.05	4.55	1.47	6.22	2.27	M	
LOUISA	3.74	.67	2.47	-.60	3.57	-.24	3.15	.11	9.03	5.64	2.89	-1.05
PALMYRA 1 E	4.27		3.17		3.66		2.65		6.69		1.35	
POWHATAN	3.83		3.04		3.44		4.76		7.37		1.02	
RICHMOND WSO AIRPORT	2.84	-.39	2.38	-.75	2.54	-1.03	2.81	-.09	6.85	3.30	.97	-2.63
WINTERPOCK 4 W	3.63		2.30		2.63		3.48		6.99		.46	
--DIVISIONAL DATA-->	4.04	.72	2.86	-.33	3.32	-.44	3.94	.85	7.06	3.40	1.39	-2.27
WESTERN PIEDMONT 03												
ALTAVISTA	3.65	.44	4.62	1.55	6.31	2.71	3.82	.90	7.16	3.35	2.11	-1.14
APPOMATTOX	4.33	1.33	3.97	.89	6.31	2.44	3.56	.23	7.06	3.27	2.68	-.72
BEDFORD	3.98	.90	3.54	.33	4.48	.61	2.87		8.00	4.20	3.00	-.88
CHARLOTTE COURT HSE 3W	4.48	1.23	3.43	.27	2.92	-.88	4.45	1.19	7.64	4.17	1.96	-1.77
CHARLOTTESVILLE 2 W	3.42	.14	2.40	-.78	3.04	-1.12	3.78	.50	10.09	5.92	1.12	-2.79
CHATHAM	4.18	.77	5.76	2.44	3.81	-.35	3.14	-.40	7.21	3.32	1.57	-2.03

SEE REFERENCE NOTES FOLLOWING STATION INDEX

## TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA  
1990

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	7.29		6.24		1.87	M	4.76		2.53		3.27	M	46.30	
COLONIAL BEACH	2.68		4.98		1.34		3.06	M			4.06			
EMPORIA 1 WNW	2.85	-2.06	11.66	7.24	.62	-3.03	4.58	1.62	1.43	-1.40	2.94	-.45	45.35	2.93
FREDERICKSBURG NATL PK	3.17	-.51	5.40	.99	1.86	-1.50	3.53	.33	2.38	-.66	3.99	-.69	41.92	.93
HOLLAND 1 E	2.99	-2.23	7.61	2.17	1.08	-3.00	3.39	-.65	1.30	-1.70	2.92	-.54	40.53	-7.62
HOPEWELL	5.34	.29	6.07	1.45	.93	-3.16	4.58	.95	2.28	-.80	1.69	M	41.64	
KILMARNOCK 1 N	9.26		18.66		3.81		2.70		2.78		4.14		65.16	
LANGLEY AIR FORCE BASE	2.69	-2.11	6.51	1.74	1.63	-2.97	1.46	-1.93	1.33	-1.58	2.88	-.38	37.92	-7.63
MATHEWS 2 ENE	4.02		10.54		2.14		1.27		1.46		3.43		44.01	
NORFOLK WSO AIRPORT	4.06	-1.09	11.85	6.52	1.00	-3.35	3.73	.32	1.68	-1.20	2.67	-.50	45.52	.30
PAINTER 2 W	3.93	-.17	9.39	5.11	2.28	-1.13	2.43	-1.14	1.90	-1.06	2.99	-.38	45.20	2.76
STONY CREEK 3 ESE	M		M		M		M		M		M			
SUFFOLK LAKE KILBY	3.05	-1.94	5.51	.31	3.54	-.74	2.81	-.82	1.37	-1.57	2.11	-1.33	38.71	-8.22
TANGIER ISLAND	M		M		M		M		M		M			
WAKEFIELD 2	1.00						4.25		.86		2.76			
WALKERTON 2 NW	5.60	.89	4.72	-.14	2.58	-1.10	6.07	2.67	1.64	-1.84	3.94	.54	45.12	.59
WALLACETON LK DRUMMOND	4.19	-.78	5.20	-.32	2.66	-1.51	4.36	.31	2.95	.09	3.82	.22	46.50	-1.71
WARSAW 2 NW	4.65	.27	6.41	2.08	2.21	-1.98	4.22	.69	1.42	-1.88	3.44	.24	46.72	3.71
WEST POINT 2 SW	4.42		3.88		2.35		4.05		2.28		4.04		42.58	
WILLIAMSBURG 2 N	4.05	-1.18	3.61	-1.07	1.98	-2.44	4.79	1.23	1.58	-1.63	3.36	-.07	39.76	-7.81
--DIVISIONAL DATA----->	4.38	-.14	7.69	2.97	1.95	-1.99	3.56	.17	1.76	-1.27	3.31	.03	44.09	.22
EASTERN PIEDMONT 02														
AMELIA 4 SW	1.71		3.93		1.21		2.50		1.59		3.27		34.34	
ASHLAND	2.55		4.47		2.18		3.53		1.56		4.44		40.50	
BREMO BLUFF	3.40	-.10	4.30	.24	1.00	-2.08	5.67	2.03	.25	M	2.61	M	40.54	
BUCKINGHAM	1.80	-1.96	5.39	1.37	1.42	-2.30	7.23	3.68	2.24	-.71	4.24	1.11	46.94	5.79
CAMP PICKETT	2.74		8.50		.62		3.40		2.12		2.72		41.79	
CHASE CITY	4.32	.60	3.89	.03	.16	-3.30	7.33	3.86	2.43	-.77	3.44	.26	47.85	6.07
CLARKSVILLE	M		M		.25	-3.09	6.64		2.50	-.48	3.11	-.07		
CORBIN	3.58		4.15		1.53		3.51		1.94		4.77		40.43	
CROZIER	3.90		3.78		1.59		2.88		1.77		4.54		42.52	
CUMBERLAND	1.01		4.96		1.35		6.67		1.87		3.58		41.47	
FARMVILLE 2 N	2.21	-2.03	6.13	2.06	1.12	-2.26	5.61	2.10	1.90	-1.27	3.90	.60	43.74	.81
GORDONSVILLE 3 S	2.79		2.88		1.94		8.35		2.85		4.98		49.05	
JOHN H KERR DAM	3.69	-.62	7.28	3.49	.34	-3.17	4.60	1.18	1.61	-1.47	2.45	-.77	43.24	1.71
KEYSVILLE 8 N	.00		1.63		1.17		3.80		2.05		2.80			
LAWRENCEVILLE 5 W	1.49	-2.57	7.27	3.10	.28	-3.56	3.28	-.29	2.03	-1.10	3.29	-.36		
LOUISA	3.49	-.37	3.80	-.66	1.19	-2.07	4.73	1.10	1.90	-1.26	4.35	.96	44.31	2.23
PALMYRA 1 E	4.25		4.00		1.13		6.84		2.00		3.71		43.72	
POWHATAN	3.17		3.21		1.60		3.16		1.83		4.65		41.08	
RICHMOND WSO AIRPORT	6.74	1.60	5.76	.75	1.92	-1.60	3.90	.16	1.70	-1.59	3.52	.13	41.93	-2.14
WINTERPOCK 4 W	3.08		6.64		.68		2.77		1.79		3.12		37.57	
--DIVISIONAL DATA----->	3.32	-.82	5.27	.91	1.10	-2.59	4.25	.56	1.87	-1.28	3.70	.40	42.12	-.89
WESTERN PIEDMONT 03														
ALTAVISTA	5.18	1.57	3.84	.13	2.10	-1.04	11.80	8.51	1.87	-.93	5.16	2.12	57.62	18.17
APPOMATTOX	4.69	.66	3.75	-.03	1.93	-1.68	M		2.20	-.86	4.18	1.03		
BEDFORD	5.63	1.56	5.44	1.49	2.10	-1.30	13.86	10.30	M					
CHARLOTTE COURT HSE 3W	1.54	-2.17	3.90	-.09	1.03	-2.63	7.95	4.40	1.56	-1.34	4.12	.96	44.98	3.34
CHARLOTTESVILLE 2 W	3.85	-.66	3.75	-.76	1.93	-1.97	10.48	6.28	1.96	-1.31	5.08	1.73	50.90	5.18
CHATHAM	4.91	.97	4.24	.44	.88	-2.91	11.09	7.54	1.82	-1.27	5.34	1.95	53.95	10.47

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA  
1990

STATION	JAN		FEB		MAR		APR		MAY		JUN	
	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
CONCORD 4 SSW	4.50	1.17	4.02	.96	5.79	1.90	3.59	.37	7.10	3.50	2.50	-1.04
DANVILLE	5.59	2.16	4.77	1.45	2.84	-1.17	3.16	-.29	7.44	3.71	1.58	-2.28
FREE UNION	2.26		2.46		2.96		4.26		9.42		1.12	
HUDDLESTON 4 SW	4.43	1.25	3.57	.50	4.13	.17	3.55	.18	7.76	4.25	1.04	-2.20
LYNCHBURG WSO AIRPORT	3.19	.13	3.20	.27	4.02	.33	3.10	.20	5.70	2.05	4.79	1.32
MARTINSVILLE FILTER PL	3.40	.08	6.49	2.96	5.78	1.50	4.25	.54	8.29	4.42	1.59	-2.34
MEADOWS OF DAN 5 SW	5.62	1.60	7.06	3.09	5.70	.46			8.30	3.62	.63	-4.48
MONTEBELLO 2 NE	3.65	-.07	3.18	-.75	5.05	.35			6.89	2.42	2.37	-1.76
MONTICELLO	2.41		1.95		2.79		2.59	-1.53	9.64		1.43	
PHILPOTT DAM 2	3.22		5.23		4.00		3.48		7.58		2.24	
ROCKFISH	4.38	.96	2.84	-.49	3.18	-1.06	3.27	-.28	8.14	4.16	2.15	-2.40
ROCKY MOUNT	3.75	.56	4.42	1.23	5.28	1.25	3.30	-.31	7.51	3.73	1.00	-2.53
ROSELAND 1 NNW	4.67		4.01		3.55		1.83		10.72		3.79	
SOUTH BOSTON	5.25		4.85		2.88		4.30		6.02		3.25	
STUART 1 SSE											.46	
TYE RIVER 1 SE	4.55	1.24	2.85	-.27	3.61	-.43	2.78	-.56	9.69	5.79	1.89	-1.77
WOOLWINE	2.89	-1.10	4.84	.83	4.88	-.28	3.14	-1.65	7.31	2.60	.73	-4.26
-- DIVISIONAL DATA --	3.98	.69	4.24	.97	3.98	-.14	3.57	.08	7.84	3.93	2.04	-1.73
NORTHERN 04												
BIG MEADOWS	3.17	-.33	2.40	-.66	3.47	-.73	3.90	.07	5.05	.57	1.58	-2.74
CULPEPER	3.27	-.29			2.16		3.67	.45	5.78	2.18	5.13	1.17
LINCOLN	2.94	.00	1.55	-1.09	3.32		3.71	.24	5.67	1.66	1.29	-2.97
LURAY 5 E	2.71	-.28	2.53	.14	3.61	.36	3.24	.35	3.51		1.72	-1.87
MOUNT WEATHER	3.55	1.04	1.71	-.56	2.54	-.58	4.03	.68	5.89	1.77	2.52	-1.94
PIEDMONT RESEARCH STN	3.64	.85	1.98	-.60	3.00	-.69	4.52	1.45	7.11	3.41	2.15	-1.54
STERLING RCS	4.06		1.68		3.25		4.57				1.68	
THE PLAINS 2 NNE	3.65		1.90		3.13		4.22		5.72		2.62	
VIENNA DUNN LORING	3.37	.41	1.56	-1.15	3.44	-.27	5.13	1.75	4.74	.82	2.20	-1.91
WARRENTON 3 SE	3.28	.26	1.99		2.96	-.54	4.46	1.24	6.11	2.57	.36	-2.87
WASHINGTON WSO DULLES	3.14	.31	1.65	-.99	2.78	-.65	5.06	1.92	4.37		1.77	-2.46
WASHINGTON NATL WSCMO	2.95	.19	1.30	-1.32	2.57	-.89	4.09	1.16	5.20	1.72	3.14	-.21
WINCHESTER 'WINC'	4.84		2.59						4.11		.46	
WINCHESTER 3 ESE	2.11	-.39	1.53	-.83	1.60		2.21	-1.03	4.71	1.11	.73	-3.33
WOODSTOCK 2 NE	2.38	-.02	1.93	-.05	1.83	-1.09	2.87	.02	4.52	1.29	.40	-3.08
-- DIVISIONAL DATA --	3.23	.41	1.90	-.60	2.85	-.61	3.86	.65	5.32	1.59	1.81	-2.08
CENTRAL MOUNTAIN 05												
BUCHANAN	3.91	.97	3.26	.35	4.46	.74	2.82	-.22	7.79	4.06	2.16	-1.41
BUENA VISTA	2.54	-.24	2.23		.73		.71	-2.12	3.30	-.05	1.78	-1.49
COVINGTON	2.35	-.07	2.67	.25	1.76	-1.62	2.01	-.73	4.93	1.55	2.08	-1.15
COVINGTON FILTER PLANT	1.68		3.00		1.98		2.03		4.52		2.29	
CRAIGSVILLE 2 S	3.18		3.45		2.32		2.50		6.84		2.14	
DALE ENTERPRISE	1.86	-.13	2.71	.64	1.87	-1.00	2.14	-.43	4.44	1.08	1.64	-1.63
EARLEHURST	2.86		4.04		2.44		2.48		6.31		2.01	
GATHRIGHT DAM	2.64		3.00		2.35		2.28		4.87		2.89	
GLASGOW 1 SE	3.93		3.29		4.24		2.18		8.93		2.07	
GOSHEN	3.10	.18	3.93	1.06	2.10	-1.92	3.10	-.05	5.85	2.08	1.91	-1.64
HOT SPRINGS	2.94	-.10	2.90		2.38		3.18	-.13	4.86	1.01	2.18	-1.49
KERRS CREEK 6 NNW	4.15		3.99		2.35		1.96		6.06		1.61	
LEXINGTON	2.83	.08	2.54	-.35	3.48	-.31	2.38	-.49	6.31	2.98	1.48	-1.88
MCDOWELL 3 W	1.80		2.11		2.88		2.41		6.36		2.55	
MILLGAP 2 NNW	3.75		3.81		2.26		2.76		6.25		2.01	
MONTEREY									5.28	1.63		
MOUNTAIN GROVE	1.44		2.61		1.52		.97		4.92		2.34	
ROANOKE WSO AIRPORT	2.33	-.50	2.76	-.43	3.42	-.27	2.07	-1.02	7.45	3.94	.83	-2.51
STAUNTON SEWAGE PLANT	2.30	-.23	2.14	-.05					6.51	3.15	1.29	-1.74
TIMBERVILLE 3 E	2.08	-.21	2.21	.12	1.96	-1.03	2.67	.11	4.32	1.09		
-- DIVISIONAL DATA --	2.51	-.21	2.70	-.08	2.79	-.83	2.45	-.58	5.64	2.05	1.85	-1.66

SEE REFERENCE NOTES FOLLOWING STATION INDEX

## TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA  
1990

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	2.81	-.96	2.43	-1.08	1.64	-1.84	9.73	6.04	1.84	-1.30	4.71	1.57	50.66	9.29
DANVILLE	4.33	.27	2.09	-1.95	1.95	-2.73	10.87	7.64	1.53	-1.29	4.56	1.25	49.71	6.77
FREE UNION	4.44		3.42		1.84		11.50		1.81		5.02		50.51	
HUDDLESTON 4 SW	5.28	1.61	4.32	.71	2.27	-1.30	10.38	6.90	1.98	-1.00	4.66	1.56	53.37	12.63
LYNCHBURG WSO AIRPORT	2.78	-1.07	3.27	-.42	2.03	-1.20	10.81	7.45	1.68	-1.24	5.14	1.98	49.71	9.80
MARTINSVILLE FILTER PL	4.51	-.03	3.32	-.78	1.96	-1.87			2.39	-.55				
MEADOWS OF DAN 5 SW	9.88	4.53	2.81	-2.22	1.04	-4.19	13.61	9.05	2.27	-1.44	6.24	2.29		
MONTEBELLO 2 NE	4.60	.23	2.53	-1.46	2.24	-1.98	16.09	11.20	1.62	-2.61	4.54	.82	55.35	4.86
MONTICELLO	3.54		2.89		1.84		10.03		1.81		4.00		45.16	
PHILPOTT DAM 2	5.97		4.02		1.29		14.16		2.38		4.26		57.83	
ROCKFISH	4.44	.30	3.05	-1.19	1.74	-2.52								
ROCKY MOUNT	9.85	5.73	3.66	-.20			10.74	7.00	1.52	-1.27	4.53	1.38		
ROSELAND 1 NNW	2.28		3.51		2.16		10.76		1.40		7.31		55.99	
SOUTH BOSTON	3.56		3.34		.46		8.30		1.15		3.15		46.51	
STUART 1 SSE	6.65						9.70		2.01					
TYE RIVER 1 SE	2.62	-1.50	2.78	-.99	1.10	-2.45	10.52	6.72	2.02	-1.09	4.85	1.54	49.26	6.23
WOOLWINE	7.40	2.31	4.24	-.15	1.45	-4.27	9.80	5.00	2.31	-1.45	4.42		53.41	
--DIVISIONAL DATA----->	4.60	.39	3.57	-.51	1.46	-2.36	10.71	7.06	1.85	-1.17	4.47	1.19	52.31	8.40
NORTHERN 04														
BIG MEADOWS					3.62	-1.37	10.53	5.35	1.42	-2.99	5.69	2.33		
CULPEPER														
LINCOLN	3.97	.03	5.80	1.46	2.77	-.56	7.11	4.05	2.04	-1.00	4.09	.87	44.26	
LURAY 5 E	6.20	2.63	2.81	-1.31	2.19	-1.40	8.76	5.17	.95	-2.06	4.46	1.64	42.69	
MOUNT WEATHER	7.12	3.25	5.17	1.12	3.09	-.37	7.99	4.53	1.63	-1.66	4.58	1.74	49.82	9.02
PIEDMONT RESEARCH STN	5.42	1.65	2.78	-1.66	1.87	-1.49	8.43	4.62	2.46	-.63	4.11	1.01	47.47	6.38
STERLING RCS	6.88		4.57		1.96		7.07		2.78		4.61			
THE PLAINS 2 NNE	6.84		6.81		2.17		5.93		2.06		4.44		49.49	
VIENNA DUNN LORING	5.93	1.67	8.25	3.57	1.35	-2.65	7.19	4.09	2.96	-.28	5.19	1.97	51.31	8.02
WARRENTON 3 SE	6.79	2.86	4.07	.17	1.53	-1.79	7.01	3.87	2.25	-.73	4.52	1.46	45.93	
WASHINGTON WSO DULLES	5.42	1.67	5.56	1.40	1.49	-1.77	6.53	3.52	2.56	-.43	5.00	1.71	45.33	4.98
WASHINGTON NATL WSCMO	3.78	-.10	6.74	2.34	.87	-2.35	3.30	.40	2.17	-.65	4.73	1.55	40.84	1.84
WINCHESTER 'WINC'	4.47		4.09		2.48		7.90		1.07		4.12			
WINCHESTER 3 ESE	6.66	2.65	4.31	.57	2.89	-.26	7.16	4.19	1.13	-1.60	3.98	1.35	39.02	
WOODSTOCK 2 NE	8.08	4.47	4.17	.70	2.88	-.34	6.79	3.87	.93	-1.37	4.02	1.68	40.80	6.08
--DIVISIONAL DATA----->	5.89	2.09	4.55	.38	2.30	-1.20	7.38	4.02	1.78	-1.32	4.48	1.48	45.35	4.81
CENTRAL MOUNTAIN 05														
BUCHANAN	4.41	.28	3.26	-.78	1.16	-2.25	10.82	7.12	1.29	-1.56	4.70	1.79	50.04	9.09
BUENA VISTA	2.88	-.85	2.29	-.95			7.31	3.59	1.01	-1.91	4.93			
COVINGTON	4.40	.85	3.01	-.55			6.60	3.70	.95	-1.23	4.75	2.34		
COVINGTON FILTER PLANT	3.61		2.85		2.21		6.44		1.20		4.56		36.37	
CRAIGSVILLE 2 S	3.87		5.09		2.46		9.50		1.30		5.28		47.93	
DALE ENTERPRISE	3.00	-.68	4.81	.91	2.55	-.68	8.29	5.43	1.10	-1.31	4.15	1.95	38.56	4.15
EARLEHURST	2.70		3.23		2.34		5.30		1.35		4.93		39.99	
GATHRIGHT DAM	4.07		3.28		1.16		6.14		1.37		4.88		38.93	
GLASGOW 1 SE	5.11		2.41		1.36		14.52		1.62		5.84		55.50	
GOSHEN	3.81	.01	4.60	1.13	2.51	-.94	8.76	5.28	1.19	-1.80	5.58	2.78	46.44	6.17
HOT SPRINGS	5.31	1.16	3.10	-.72	.76		5.94	2.41	1.60	-1.22	2.96			
KERRS CREEK 6 NNW	5.75		4.31		3.33		9.65		1.02		5.37		49.55	
LEXINGTON	3.26	-.40	2.67	-.42	2.90	-.38	11.08	7.83	1.05	-1.62	3.90	.98	43.88	6.02
MCDOWELL 3 W	4.42		4.71		2.40				1.30		3.57			
MILLGAP 2 NNW	5.96		4.88		2.62		6.31		1.51		5.57		47.69	
MONTEREY														
MOUNTAIN GROVE	4.68		3.24		.87		5.77		.91		2.91		32.18	
ROANOKE WSO AIRPORT	3.80	.35	4.42	.51	1.86	-1.28	9.89	6.41	1.08	-1.51	3.79	.86	43.70	4.55
STAUNTON SEWAGE PLANT			5.53	2.13	.99	-2.56	9.31	6.05	1.05	-1.51	3.61	1.06		
TIMBERVILLE 3 E														
--DIVISIONAL DATA----->	3.92	.15	3.74	-.06	1.83	-1.62	8.49	5.04	1.22	-1.48	4.23	1.41	41.37	2.13

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA  
1990

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	3.75		5.02		5.32		4.21		6.72		2.77	
ALLISONIA 2 SSE	2.69	-.08	3.23	.60	2.77	-.86	1.74	-1.46	4.69	.90	1.12	-2.12
BIG STONE GAP	2.81		7.28		4.14		4.10		7.67		1.67	
BLACKSBURG 3 SE	3.29	.34	3.71	.77	3.19	-.72	2.38	-1.17	7.23	3.61	.91	-2.70
BLAND	4.04	1.02	3.70	.78								
BURKES GARDEN	4.90	1.40	4.56	1.29	4.62	.52	3.56	-.12	7.87	3.86	3.21	-.74
BYLLESBY 3 W	3.28		4.25		3.85		1.98		6.01		.60	
COPPER HILL 1 NNE	2.84	-.13	3.07	-.08	4.04	.04	2.80	-1.06	5.65	1.59	.67	-3.48
FLOYD 2 NE	2.83	-.12	3.45		4.09		3.07	-.64	4.13	.62	.47	-3.27
GALAX RADIO WBOB			4.87	1.77	3.94	.02	2.06	-1.37	4.66	.73	.77	-3.25
GLEN LYN	3.14	.48	3.61	.96	3.46	-.03	2.20	-.95	4.21	.69	1.20	-1.96
GRUNDY	2.67		5.31		2.63		3.12		5.53		4.32	
HILLSVILLE	2.68	-.18	3.13		3.98	-.17	2.41	-1.13	5.25	1.05	.80	-3.22
JOHN W FLANNAGAN LAKE	1.98		5.28		2.85		3.52		4.42		3.69	
LAFAYETTE 1 NE	3.32	.31	2.80	.11	2.96	-.36	2.21	-.85	6.43	3.00	.65	-2.70
LEBANON	1.96		3.42		2.77		2.32		7.79		4.52	
MOUNT LAKE BIOL STN	1.78		5.04		4.99				9.83		2.19	
NEWPORT 2 NNW	3.88	1.23	2.86	.29	3.40	.04	1.50	-1.49	6.00	2.50	.60	-2.80
NORTH FORK LAKE	2.83		5.41		2.99		4.05		6.72		4.24	
PENNINGTON GAP	2.68	-2.20	5.94	1.54	2.98	-2.77	2.67	-1.68	7.42	3.03	1.86	-2.31
PULASKI	1.67		3.52		2.66		1.42		5.11		.42	
RADFORD					.20		1.03	-2.15	4.74	1.64	.78	-2.39
RICHLANDS	2.80		3.75		3.46		3.95		9.37		3.08	
SALTVILLE 1 N			4.83		4.77		3.13		7.44		3.19	
STAFFORDSVILLE 3 ENE	2.97	.23	3.45	.75	3.62		2.17	-1.19	7.26	3.83	1.27	-2.03
TROUT DALE 3 SSE	4.15	.04	3.88	-.27	4.35	-.90	1.96	-2.62	5.98	1.31	1.29	-3.30
WILLIS	3.28		4.78		4.79		3.45		6.61		.84	
WISE 1 SE	3.14		5.12		3.59		4.06		6.17		3.70	
WYTHEVILLE 1 S	2.69	.06	3.21	.48	3.31	-.15	1.76	-1.35	7.72	4.14	1.32	-1.79
--DIVISIONAL DATA----->	2.94	-.42	4.38	1.05	3.64	-.59	2.86	-.85	7.05	3.10	2.29	-1.49

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL (INCHES)

VIRGINIA  
1990

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	5.26		6.11		3.77		5.42		1.54		5.19		55.08	
ALLISONIA 2 SSE	4.47	.89	5.42	2.24	1.32	-1.82	7.99	4.95	1.44	-.89	3.09	.47	39.97	2.82
BIG STONE GAP	6.14		3.21		4.36		4.06		1.50		7.17		54.11	
BLACKSBURG 3 SE	4.00	.35	4.13	.60	1.80	-1.68	7.09	3.95	1.36	-1.32	3.67	.75	42.76	2.78
BLAND	5.46	1.67	4.11	.60	3.33	.31	7.09	4.37	1.49	-1.04	4.33	1.54		
BURKES GARDEN	6.94	2.23	3.99	.28	3.45	-.03	5.96	3.05	1.68	-1.39	5.20	1.92	55.94	12.27
BYLLESBY 3 W	2.62		2.90		1.40		9.08		1.42		3.42		40.81	
COPPER HILL 1 NNE	12.04	8.34	6.86	3.00	.82	-3.75	10.68	6.22	1.09	-2.11	3.41	.58	53.97	9.16
FLOYD 2 NE	6.95	3.22	5.92	2.67	1.26	-2.93	10.36	6.66	1.30	-1.75	2.96		46.79	
GALAX RADIO WBOB	5.06	.98	2.12	-1.45	2.31	-1.58	9.95	6.21	1.60	-1.34	3.72	.64		
GLEN LYN	2.06	-1.91	6.52	3.27	1.89	-1.06	6.26	3.67	.98	-1.47	3.89	1.28	39.42	2.97
GRUNDY	2.10		3.39		3.70		4.09		1.44		5.88		44.18	
HILLSVILLE	5.01	.87	4.74	1.11	.82	-3.01	8.76	5.19	1.69	-1.14	4.04	1.05	43.31	
JOHN W FLANNAGAN LAKE	2.85		3.83		4.27		4.23		1.53		6.70		45.15	
LAFAYETTE 1 NE	3.61	-.20	5.34	1.92	.84	-2.38	8.53	5.31	.88	-1.74	3.40	.63	40.97	3.05
LEBANON	3.34		3.61		2.65		4.86		1.01		4.97		43.22	
MOUNT LAKE BIOL STN	4.33		4.99				11.26		1.85					
NEWPORT 2 NNW	2.00	-1.22	4.80	1.73	2.00	-1.42	8.20	4.96	1.10	-1.46	4.70	2.06	41.04	4.42
NORTH FORK LAKE	3.07		3.24		5.87		3.59		1.65		7.75		51.41	
PENNINGTON GAP	1.25	-3.82	1.48	-2.28	2.27	-1.20	3.45	.49	1.29	-2.60	9.27	4.61	42.56	-9.19
PULASKI	4.52		3.24		1.06		7.67		1.29		3.47		36.05	
RADFORD			2.73		.49		5.25	2.22	.20		.64			
RICHLANDS	2.75		1.95		3.35		5.03		1.07					
SALTVILLE 1 N	7.26		4.71		2.55		5.65		1.64		5.37			
STAFFORDSVILLE 3 ENE	4.05	.28	5.73	2.20	2.51	-.77	6.44	3.67	1.30	-1.18	2.91	.23	43.68	
TROUT DALE 3 SSE	4.50	-.19	6.06	2.00	3.33	-.50	8.39	4.54	1.40	-2.13	3.64	-.09	48.93	-2.11
WILLIS	4.88		5.60		1.01		9.93		1.36		4.54		51.07	
WISE 1 SE	4.21		3.55		3.05		3.59		1.56		6.34		48.08	
WYTHEVILLE 1 S	3.50	-.99	6.86	3.50	2.78	-.28	7.23	4.28	1.36	-1.02	3.29	.69	45.03	7.57
--DIVISIONAL DATA----->	4.54	.15	4.06	.41	2.76	-.68	6.42	3.35	1.43	-1.56	4.87	1.59	47.24	4.06

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

VIRGINIA  
1990

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	52.1	M			59.0		66.9		M	73.9	M		78.3	M		M		M		M		M			
COLONIAL BEACH		43.0			46.6		50.3		56.5		64.4			74.3		79.6		75.1		68.8		62.6			44.5				
EMPORIA 1 NNW		43.3			46.1		51.2		55.9		63.4			72.5		78.6		74.3		67.6		60.0		50.3		44.3		59.0	
FREDERICKSBURG NATL PK		42.4	7.7	44.1	7.7	49.8	4.4	54.4	-1.5	62.7	-2.3	72.1	-7	77.7		73.5	-2.2	65.8	-3.4	58.1		48.3	1.2	42.1	4.2	57.6	1.4		
HOLLAND 1 E		46.1	7.5	48.2	7.9	52.6	4.4	57.5	-7	65.5	-8	73.7	-2	79.2	1.7	76.7	1	68.8	-2.1	62.7	3.0	52.8	2.2	47.5	5.9	60.9	2.4		
HOPEWELL		47.4	7.7	49.8	7.9	53.6	3.7	59.1	-1.1	66.5	-1.6	75.8	-7	80.0	1.0	76.7	-1.5	70.2	-2.0	64.0	2.9	53.8	2.2	47.4	4.7	62.0	2.1		
KILMARNOCK 1 N		44.9		46.8		51.0		56.4		64.0		73.1		78.5		74.8		66.7		60.9		51.0		46.1		59.5			
LANGLEY AIR FORCE BASE		47.9	8.7	49.3	8.4	52.6	4.3	57.7	-1	65.5	-7	75.3	1.2	81.7	3.3	79.2	1.4	71.0	-9	64.5	3.5	54.8	3.5	50.7	8.0	62.5	3.4		
MATHEWS 2 ENE		44.6		48.0		50.8		56.5		64.9		73.1		78.5		75.5		68.2		63.7		52.2		47.7		60.3			
NORFOLK WSO AIRPORT		47.3	7.4	50.2	9.1	53.2	4.7	58.7	5	66.6	2	75.5	1.2	80.6	2.2	78.0	3	71.6	-6	65.9	4.6	55.0	3.1	50.5	7.0	62.8	3.3		
PAINTER 2 W		45.3	7.6	47.4	8.3	51.1	4.7	56.4	4	64.7	1	73.4	9	79.6	2.6	76.6	6	68.9	-1.2	63.8	4.4	52.9	2.9	47.8	6.5	60.7	3.2		
STONY CREEK 3 ESE		45.4		47.5		52.9		57.6		67.1		77.1																	
SUFFOLK LAKE KILBY		46.9	8.0	49.6	8.7	54.1	5.8	58.2	0	65.9	-5	73.8	-1	79.5	1.6	74.3	-2.9	69.9	-1.3	64.5	4.5	53.5	3.0	47.5	5.5	61.5	2.7		
TANGIER ISLAND		M		M		M		M		M		M		M		M		M		M		M		M		M			
WAKEFIELD 2		45.5				55.4						76.2		82.9						64.0		53.5		46.5					
WALKERTON 2 NW		45.1	8.7	48.2	9.5	52.4	5.5	57.5	1	65.5	-3	73.8	6	78.7	1.4	75.7	-5	68.7	-9	62.9	4.7	51.3	3.0	45.7	6.4	60.5	3.2		
WARSAW 2 NW		45.5	9.0	47.7	9.1	51.6	5.0	57.2	2	65.2	-4	74.3	9	79.0	1.6	75.3	-1.1	68.0	-2.0	62.5	3.7	52.0	3.0	45.7	5.8	60.3	2.9		
WEST POINT 2 SW		46.1		48.4		52.6		57.7		66.4		74.8		79.8		75.8		68.9		63.0		52.0		46.9		61.0			
WILLIAMSBURG 2 N		45.8	7.4	48.6	8.4	52.6	4.7	57.8	-3	65.6	-7	73.9	5	79.3	1.8	76.5	-2	69.4	-1.5	63.5	3.7	53.0	2.6	47.5	5.9	61.1	2.7		
--DIVISIONAL DATA----->		45.4	7.1	48.2	8.3	52.2	4.7	57.3	-2	65.3	-6	74.3	7	79.6	1.8	76.0	-1.0	68.8	-2.4	62.9	2.7	52.4	1.9	46.8	5.1	60.8	2.3		
EASTERN PIEDMONT 02																													
AMELIA 4 SW		44.7		M	46.6		51.1		56.2		63.8		72.8		78.1		74.4		67.0		59.6		50.4		43.5		M	59.0	
ASHLAND		44.2			47.0		51.2		57.2		64.4		73.5		78.1		74.7		67.7		61.0		49.9		43.9			59.4	
BREMO BLUFF		40.0			41.1		47.7			M		63.4		71.6		76.3		74.4	M		M	57.3		46.0		40.7		M	
CAMP PICKETT		43.9			46.5		50.7		55.6		63.7		71.8		78.6		74.3		68.3		60.0		51.5		44.3			59.1	
CHASE CITY		43.8			46.6		51.9		57.6		65.5		74.2		79.9		77.5		71.4		62.4		52.2		45.1			60.7	
CORBIN		41.5			44.7		48.6		54.3		62.2		71.4		75.8		73.4		66.1		60.0		48.8		43.0			57.5	
CROZIER		44.2			45.8		50.7		56.0		63.2		72.1		77.7		74.8		67.7		61.3		51.4		44.8			59.1	
FARMVILLE 2 N		43.5	6.5	44.8	5.6	50.4	2.9	55.8	-2.1	63.2	-2.3	72.2	-4	77.9	1.3	74.5	-1.0	67.5	-1.3	59.9	2.2	50.8	2.8	43.3	3.9	58.7	1.5		
JOHN H KERR DAM		45.0	7.9	47.6	8.7	53.2	6.0	58.1	3	66.0	-3	73.9	4	79.9	2.3	77.0	5	70.4	5	62.6	4.2	52.2	3.4	46.6	6.5	61.0	3.4		
LAWRENCEVILLE 5 W		45.5	7.0	47.6	7.2	M	51.7	3.3	M	57.3	-1.0	64.3	-1.7	M	M	78.2	1.1	74.5	-1.9	69.2	-7	60.2	1.5	50.6	1.0	43.6	2.8		
LOUISA		44.1	9.0	46.6	9.1	50.5	4.4	56.1	-3	64.3	-3	72.7	8	77.2	1.3	74.2	-7	67.6	-8	60.0	2.8	50.4	3.2	44.9	6.8	59.1	2.9		
RICHMOND WSO AIRPORT		R	46.3	9.7	48.0	9.1	52.1	4.9	57.9	0	65.8	-3	75.0	1.5	79.9	2.1	76.3	-5	69.5	-7	63.1	4.5	52.6	3.7	46.3	6.4	61.1	3.4	
--DIVISIONAL DATA----->		43.9	7.8	46.1	7.8	50.8	4.2	56.6	-5	64.2	-9	72.8	3	78.1	1.4	75.0	-7	68.4	-8	60.6	2.9	50.6	2.6	44.2	5.1	59.3	2.4		
WESTERN PIEDMONT 03																													
APPOMATTOX		42.9		44.4		50.6		55.3		63.2		72.1		77.1		74.7		68.2		M		51.7		44.0		M			
BEDFORD		43.1	6.4	45.5	6.6	52.2	4.8	58.4	1.0	64.6	-7	73.7	1.9	M		74.2	-3	67.8	-3	59.5	2.0	M		40.9	1.3	M			
CHARLOTTE COURT HSE 3W		44.4	9.1	46.4	9.1	51.2	5.3	55.7	-8	63.4	-1.3	71.5	-4	77.7	1.6	74.8	-4	67.9	-9	59.5	2.3	M	51.0	3.6	43.6	5.3	58.9	2.7	
CHARLOTTESVILLE 2 W		44.4	9.1	45.7	8.7	50.4	4.5	56.6	-5	63.1	-2.3	71.6	-9	77.0	2	73.2	-2.5	67.4	-2.2	59.3	6	M	52.1	3.6	42.1	3.6	58.6	1.8	
CHATHAM		41.4	5.6	43.3	5.6	48.3	2.5	54.3	-1.5	62.2	-2.2	69.0	-2.4	75.4	-2	73.3	-1.3	66.0	-2.3	56.8	-1	M	47.8	5	41.6	3.0	56.6	6	
DANVILLE		44.7	7.1	47.5	7.7	53.4	5.4	59.3	7	67.3	5	75.8	2.0	81.3	3.5	77.5	4	70.7	2	61.1	2.4	M	51.2	2.5	45.2	5.2	61.3	3.1	
LYNCHBURG WSO AIRPORT		R	43.9	8.8	45.6	8.2	50.9	5.2	55.9	-5	64.0	-5	71.0	-6	75.5	-2	73.3	-1.5	67.3	-1.1	59.2	2.1	M	51.1	4.1	43.5	5.2	58.4	2.4
MARTINSVILLE FILTER PL		42.2	6.4		42.3	4.3	50.2	4.1	55.4	-7	63.6	-5	71.1	0	76.4	1.3	73.7	-5	67.2	-4	M		48.9	2.6	M		M		
MONTICELLO		M		44.4		49.7		55.3		62.8		71.9		76.3		72.7		67.6		59.0		52.1		43.1		M	58.1		
PHILPOTT DAM 2		43.4			45.4		51.3		55.8		64.1		72.4		76.9		75.1		69.0		59.9		52.9		43.9			59.2	
ROCKY MOUNT		44.8			45.5		50.5		55.7		63.0		72.0		77.0		73.5		M		59.3		53.0		43.1				
SOUTH BOSTON		43.4			46.0		51.7		56.0		63.2		72.3		78.2		76.6		69.4		60.2		51.2		45.8			59.5	
STUART 1 SSE												72.3		75.4				M		M	57.6		52.2		M		M		
TYE RIVER 1 SE		43.6			44.1		49.8		55.6		62.3		71.1		76.7		73.5		67.4		58.7		51.6		42.5			58.1	
--DIVISIONAL DATA----->		43.5	7.7	45.1	7.3	50.8	4.7	56.1	-4	63.6	-1.1	72.0	3	77.0	1.3	74.3	-5	68.0	-4	59.2	2.0	51.3	3.9	43.3	4.7	58.7	2.5		

SEE REFERENCE NOTES FOLLOWING STATION INDEX



# AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL (°F)

VIRGINIA  
1990

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	34.3	7.2	35.6	7.3	39.7	4.0	45.5	-1.4	53.2	-2.4	62.8	.2					55.6	-3.9	49.2	.1	42.3	3.1	33.3	3.1		
CULPEPER	42.9	8.8			53.1	7.6	59.1	3.0	65.0	.1	76.0	3.6														
LINCOLN	42.3	9.0	43.1	7.3	48.7	4.3	55.6	.4	62.1	-2.1	71.9	-.4	76.4	.1	73.7	-1.6	66.9	-1.8	60.2	2.8	52.0	5.4	41.7	4.7	57.9	2.3
LURAY 5 E	41.9	9.9	42.8	8.6	46.8	4.1	52.2	-1.2	59.9	-2.1	68.0	-1.2	74.1	1.0	71.4	-.7	65.9	.1	58.1	3.6	48.8	4.2	41.2	5.9	55.9	2.7
MOUNT WEATHER	38.6	9.9	38.3	7.8	43.3	4.2	50.7	-2.5	57.6	-2.4	68.9	.8	72.5	.4	69.9	-1.3	63.5	-1.1	56.1	2.5	46.2	3.2	37.2	4.4	53.6	2.4
PIEDMONT RESEARCH STN	42.1	8.4	43.5	7.8	48.8	4.4	54.5	-.8	62.7	-1.3	72.0	.1	76.7	.6	73.4	-1.5	67.6	-.9	59.6	2.7	50.9	4.3	42.8	5.9	57.9	2.5
STERLING RCS	39.8		41.9		46.9		54.1				71.1		75.5				66.0		58.6		47.7		39.9			
WARRENTON 3 SE	40.6	8.3	42.1	8.0	48.2	5.3	54.0	.0	61.6	-1.2	70.8	.1	75.8	.6	73.3	-.9	66.8	-1.2	59.6	3.0	50.6	4.4	41.6	5.6	57.1	2.7
WASHINGTON WSO DULLES	40.8	9.4	42.2	8.6	48.1	5.7	54.3	1.0	61.6	-.8	72.0	1.3	76.9	1.4	73.8	-.5	66.1	-1.3	58.7	3.4	48.6	3.8	41.3	6.2	57.0	3.2
WASHINGTON NATL WSCMO	43.6	8.4	45.2	7.7	50.2	4.4	56.8	.1	64.3	-1.7	75.0	.5	79.4	.5	76.5	-1.1	69.6	-1.5	62.8	3.5	52.0	3.3	44.5	5.6	60.0	2.5
WINCHESTER 'WINC'	39.5		40.5						60.0		71.2		74.7				72.5		64.8		48.4		39.5			
WINCHESTER 3 ESE	38.4	6.2	39.3	4.8	45.0	1.6	50.9	-3.5	60.0	-3.5	70.0	-1.0	74.5	-.6	71.1	-2.9	64.4	-3.1	55.4	-.6	46.2	.8	37.9	2.2	54.4	.0
WOODSTOCK 2 NE	40.3	7.2	42.9	7.5	47.5	3.5	53.6	-.9	61.1	-2.1	70.8	.1	75.1	.4	72.0	-1.7	66.8	-.4	58.4	2.4	49.1	3.3	41.0	4.4	56.6	2.0
--DIVISIONAL DATA----->	40.4	8.0	41.5	7.0	47.2	4.1	53.4	-.7	60.8	-2.1	70.8	.1	75.6	.7	72.7	-1.1	65.3	-2.1	57.8	2.0	48.6	3.1	40.2	4.4	56.2	2.0
CENTRAL MOUNTAIN 05																										
BUCHANAN	43.6	7.7	47.0	8.6	52.2	5.4	57.2	.5	65.7	.8	73.5	1.8	77.0	1.5	76.0	1.3	69.5	1.2	60.6	3.4	51.0	4.2	43.0	4.5	59.7	3.4
COVINGTON FILTER PLANT	42.2		45.9		51.3		55.6		65.3		71.6		75.8		75.0		68.0		58.7		50.1		42.1		58.5	
DALE ENTERPRISE	42.0	10.2	44.2	10.0	48.2	5.4	52.9	-.1	61.2	-.7	71.5	2.1	74.9	1.6	72.3	.2	66.8	1.1	57.4	3.1	48.8	4.7	40.6	5.3	56.7	3.6
GATHRIGHT DAM	37.9		40.4		46.8		50.7		60.0		67.6		72.2		71.2		63.8		54.5		47.1		38.8		54.3	
HOT SPRINGS	36.8	6.0	38.9	6.1	45.4	4.6	49.5	-2.0	58.9	-1.2	67.4	.4	72.2	1.5	70.7	.8	63.6	.0	54.4	1.6	46.0	3.5	36.9	3.0	53.4	2.0
LEXINGTON	42.5	7.9	45.3	8.2	50.4	4.7	55.0	-.9	63.1	-1.1	70.4	-.7	74.8	-.1	73.7	-.3	66.5	-1.1	57.8	1.5	48.1	2.1	41.8	4.4	57.5	2.1
MONTEREY									56.2																	
ROANOKE WSO AIRPORT	43.7	8.2	45.9	8.0	51.5	5.4	56.0	-.3	64.3	-.4	72.6	1.0	76.8	1.1	74.6	-.1	68.4	.2	59.2	2.4	52.2	5.3	43.8	5.5	59.1	3.0
STAUNTON SEWAGE PLANT	39.2	6.8	41.1	7.1					59.1	-2.7	67.7	-1.6			70.3	-1.8	64.2	-1.3	54.6	.2	46.6	2.1	39.4	3.8		
TIMBERVILLE 3 E	41.2	9.3	44.4	10.4	48.6	5.8	54.5	1.3	61.9	-.5																
--DIVISIONAL DATA----->	41.0	8.0	43.7	8.5	49.3	5.7	53.9	-.1	61.6	-.9	70.3	.8	74.8	1.4	73.0	.6	66.4	.4	57.2	2.2	48.7	4.0	40.8	4.8	56.7	3.0
SOUTHWESTERN MOUNTAIN 06																										
ABINGDON 3 S	38.7		43.6		47.4		52.0		61.1		68.6		72.3		71.0		64.8		54.6		47.2		42.0		55.3	
BIG STONE GAP	40.6		44.3		49.8		53.0		61.8		69.8		73.7		73.8		68.0		57.0		48.8		44.8		57.0	
BLACKSBURG 3 SE	39.1	8.2	41.5	8.6	46.4	5.3	50.7	-.6	59.8	-.2	67.8	1.0	71.6	.6	70.2	.1	64.4	.6	55.0	2.5	47.4	4.8	40.0	6.0	54.5	3.1
BLAND			40.0				48.2		58.5		66.0		69.6		69.0		62.8		53.0		44.8		39.0			
BURKES GARDEN	35.6	5.6	38.1	6.0	43.0	3.0	46.1	-3.4	57.1	-.3	63.6	-.1	67.7	.4	66.3	.0	60.3	-.4	50.7	.6	42.2	1.6	38.3	5.1	50.8	1.5
FLOYD 2 NE	40.6	7.9	42.6	7.9	46.7	4.4	50.7	-1.4	60.1	.0	67.2	.7	70.7	.5	69.4	-.1	63.2	-.2	55.0	2.2	45.9	2.9	40.4	5.0	54.4	2.5
GALAX RADIO WBOB			43.3		47.8		52.0		61.9		69.1		71.5		70.3		64.2		55.7		46.9		40.9			
GRUNDY	40.7		44.3		48.4		52.6		62.9		69.1		73.0		72.4		66.3		55.5		47.1		40.4		56.1	
LEBANON	39.6		42.8		47.2		51.5		60.6		68.3		72.0		71.1		65.3		54.6		46.1		40.9		55.0	
MOUNT LAKE BIOL STN	32.9		32.0		40.3				52.8		61.6		64.3		64.2				51.1		40.6					
PENNINGTON GAP	41.8	8.1	42.9	6.4	48.0	3.0	52.6	-2.2	62.0	-.9	70.9	1.4	74.5	1.3	73.7	1.3	67.3	.3	56.5	1.1	47.3	2.6	40.7	3.9	56.5	2.2
PULASKI	39.1		40.7		46.5		50.6		60.0		67.9		71.1		70.9		65.6		54.0		48.0		41.3			
RICHLANDS	39.3		41.9		46.5		50.8		60.3		67.9		71.6		71.4		64.8		54.5		45.7					
SALTVILLE 1 N			42.5		47.5		51.4		61.8		69.2		72.8		72.1		66.0		55.1		46.9		40.1			
STAFFORDSVILLE 3 ENE	42.6		45.0		48.7		53.5		61.4		67.9		72.8		71.6		66.5		58.0		48.5		43.5		56.7	
WISE 1 SE	40.9		45.0		48.9		54.1		60.8		68.3		71.2		70.0		66.1		57.1		49.6		42.9		56.2	
WYTHEVILLE 1 S	38.4	5.6	40.1	4.9	45.5	2.5	49.7	-2.9	60.2	-.7	66.9	-.4	71.8	.7	70.9	.6	64.3	-.4	53.9	.2	45.3	1.8	39.2	3.6	53.9	1.3
--DIVISIONAL DATA----->	39.3	6.5	41.8	6.7	46.8	3.5	51.2	-1.9	60.2	-1.1	67.7	-.2	71.3	-.2	70.5	-.2	65.0	.0	54.8	.9	46.4	2.7	40.8	5.0	54.7	1.8

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# TEMPERATURE EXTREMES AND FREEZE DATA (°F)

VIRGINIA  
1990

					LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES				
STATION	HIGHEST	DATE	LOWEST	DATE	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.					
VIRGINIA																													
TIDEWATER 01																													
BACK BAY WILDLIFE REFU					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
COLONIAL BEACH	102	7/ 6			2/26	11	3/ 8	19	3/ 8	19	4/ 8	25	4/19	30	10/28	32	MSG		MSG		MSG		MSG						
EMPORIA 1 WNW	103	7/11	9	2/26	2/26	9	3/ 8	19	3/ 8	19	4/19	26	4/19	26	10/27	32	10/30	24	10/30	24	11/14	20	NONE						
FREDERICKSBURG NATL PK	100	7/ 6	12	2/27	2/27	12	3/ 8	19	3/ 9	21	4/19	28	4/20	29	10/20	30	10/27	25	11/13	23	11/19	20	12/25	14301	256	249	191	183	
HOLLAND 1 E	97	7/11	16	2/26	2/26	16	2/27	19	3/ 8	24	4/ 8	28	4/19	30	10/27	32	11/13	27	12/25	22	NONE		NONE						
HOPEWELL	102	7/10	14	2/26	2/26	14	2/26	14	3/ 8	24	4/ 8	26	4/19	31	10/27	32	10/30	28	12/25	20	12/25	20	NONE						
KILMARNOCK 1 N	97	7/ 9	14	2/26	3/ 8	15	3/ 8	15	4/ 8	22	4/19	28	4/19	28	10/20	31	10/27	27	11/13	23	12/ 5	20	NONE						
LANGLEY AIR FORCE BASE	97	7/11	18	2/26	NONE		2/26	18	2/26	18	2/27	26	4/ 8	31	11/19	32	NONE		NONE		NONE		NONE						
MATHEWS 2 ENE	95	7/ 5	17	2/27	NONE		2/27	17	3/ 8	21	4/ 8	27	4/19	30	10/30	32	11/13	28	12/26	23	NONE		NONE						
NORFOLK WSO AIRPORT	98	7/ 5	19	2/26	NONE		2/26	19	2/27	22	3/ 5	27	3/ 8	30	11/30	32	NONE		NONE		NONE		NONE						
PAINTER 2 W	94	7/10	18	2/27	NONE		3/ 8	19	3/ 8	19	3/28	27	4/19	31	10/30	32	12/ 1	28	12/26	24	NONE		NONE						
STONY CREEK 3 ESE					2/26	14	2/27	20	3/ 8	21	4/ 8	25	4/20	32	MSG		MSG		MSG		MSG		MSG						
SUFFOLK LAKE KILBY	98	7/10	17	2/26	NONE		2/26	17	2/27	22	3/ 8	28	4/ 8	30	11/19	29	12/25	28	NONE		NONE		NONE						
TANGIER ISLAND					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
WAKEFIELD 2					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
WALKERTON 2 NW	97	7/ 9	13	2/26	2/26	13	3/ 8	18	4/ 8	23	4/13	26	4/19	30	10/30	30	11/13	26	11/19	24	12/25	20	NONE						
WARSAW 2 NW	100	7/ 5	14	2/26	2/26	14	3/ 8	19	3/ 8	19	4/13	28	4/19	31	10/27	29	11/13	27	11/19	24	12/25	20	NONE						
WEST POINT 2 SW	101	7/ 6	15	2/26	2/26	15	2/27	20	3/ 8	21	4/ 8	26	4/19	31	10/29	32	11/13	27	11/19	24	NONE		NONE						
WILLIAMSBURG 2 N	100	7/11	11	2/25	2/26	13	2/27	18	3/ 8	22	4/ 8	27	4/19	31	10/30	31	11/13	28	12/ 6	24	NONE		NONE						
EASTERN PIEDMONT 02																													
AMELIA 4 SW	102	7/11	12	2/26	2/26	12	2/26	12	3/ 9	24	4/ 9	28	4/20	32	10/20	29	10/27	25	11/14	22	12/25	15	12/25	15302	302	250	201	183	
ASHLAND	100	7/ 5	11	2/26	2/26	11	3/ 8	20	3/ 8	20	4/13	26	4/19	29	10/27	29	11/13	25	11/19	23	12/25	18	NONE						
BREMO BLUFF			8	2/26	2/27	10	2/27	10	4/ 8	24	4/19	28	4/20	30	MSG		MSG		11/14	20	11/14	20	12/25	16301	260	220			
CAMP PICKETT	102	7/11	11	2/26	2/26	11	2/27	20	4/ 8	23	4/19	28	4/20	30	10/20	32	10/27	27	11/14	24	12/25	19	NONE						
CHASE CITY	101	7/10	13	2/26	2/27	14	2/27	14	4/ 8	25	4/12	30	10/27	30	11/14	28	12/25	19	12/25	19	NONE		NONE						
CORBIN	98	7/ 6	9	2/26	3/ 8	15	3/ 8	15	4/13	21	4/19	28	4/19	28	10/20	30	10/27	25	11/ 9	24	11/19	20	NONE						
CROZIER	98	7/10	13	2/27	2/27	13	2/27	13	3/ 9	23	4/ 9	27	4/20	31	10/27	29	11/14	27	12/25	20	12/25	20	NONE						
FARMVILLE 2 N	100	7/11	11	2/27	2/27	11	2/27	11	3/ 9	23	4/13	28	4/20	30	10/27	28	10/27	28	11/14	24	12/25	18	NONE						
JOHN H KERR DAM	99	7/ 6	16	2/26	2/26	16	2/27	19	2/27	19	4/ 9	28	4/19	31	10/27	31	11/14	28	12/25	18	12/25	18	NONE						
LAWRENCEVILLE 5 W			15	12/25	MSG		2/26	17	4/ 8	24	4/ 8	24	4/19	30	10/19	32	10/28	24	10/28	24	12/ 9	19	12/25	15					
LOUISA	98	7/ 9	6	2/26	2/26	6	3/ 8	19	4/13	22	4/19	26	4/19	26	10/20	30	10/27	24	10/27	24	11/19	20	12/25	16302	256	197	191	184	
RICHMOND WSO AIRPORT	101	7/ 9	16	2/26	2/26	16	2/26	16	3/ 8	22	4/ 8	28	4/13	31	10/29	32	11/13	28	12/25	22	NONE		NONE						
WESTERN PIEDMONT 03																													
APPOMATTOX					2/27	12	2/27	12	3/ 9	23	4/14	27	4/19	32	MSG		MSG		12/25	18	12/25	18	MSG						
BEDFORD	95	7/ 9			2/26	11	2/26	11	2/26	11	4/ 8	28	4/18	31	10/27	28	10/27	28	MSG		MSG		MSG						
CHARLOTTE COURT HSE 3W	98	7/11	11	2/26	2/26	11	2/26	11	3/ 8	23	4/ 9	26	4/20	32	10/27	29	11/14	26	12/25	17	12/25	17	NONE						
CHARLOTTESVILLE 2 W	101	7/ 6	10	2/26	2/26	10	3/ 7	20	3/ 8	23	3/20	28	4/13	29	10/29	32	11/14	27	12/ 1	24	12/25	14	12/25	14302	293	268	239	199	
CHATHAM	98	7/ 6	8	2/27	2/27	8	3/ 8	20	4/13	22	4/20	25	4/20	25	10/19	32	10/20	28	10/30	24	11/19	19	12/ 1	16277	256	200	183	182	
DANVILLE	105	7/10	16	2/27	2/27	16	2/27	16	2/27	16	3/ 6	28	4/13	32	10/30	32	11/19	28	12/25	23	NONE		NONE						
LYNCHBURG WSO AIRPORT	94	7/ 9	11	2/26	2/26	11	2/26	11	2/27	24	4/ 8	25	4/13	30	10/27	28	10/27	28	12/24	23	12/25	16	12/25	16302	302	300	202	197	
MARTINSVILLE FILTER PL					3/ 8	16	3/ 8	16	4/13	23	4/19	26	4/19	26	MSG		MSG		MSG		MSG		MSG						
MONTICELLO	97	7/ 6	10	2/26	2/27	13	2/27	13	3/ 8	24	3/ 9	25	4/13	30	10/27	32	11/30	26	12/25	15	12/25	15	12/25	15301	301	292	266	197	
PHILPOTT DAM 2	97	7/11	11	2/26	2/27	13	2/27	13	2/27	13	4/13	27	4/20	32	10/27	31	11/19	27	12/ 6	24	12/25	19	NONE						
ROCKY MOUNT			11	2/26	2/27	13	2/27	13	2/27	13	4/ 8	28	4/19	31	MSG		12/ 1	27	12/25	16	12/25	16	12/25	16301	301	301	237		
SOUTH BOSTON	100	9/ 8	10	2/26	2/27	12	2/27	12	3/ 8	21	4/19	28	4/19	28	10/27	31	11/14	25	11/19	24	12/26	18	NONE						
STUART 1 SSE					MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG		MSG						
TYE RIVER 1 SE	98	7/10	8	2/26	2/27	9	2/27	9	4/13	24	4/14	25	4/20	30	10/19	31	11/14	24	11/14	24	12/25	16	12/25	16301	301	301	125	14182	
NORTHERN 04																													
BIG MEADOWS			-4	2/26	4/13	13	4/18	20	4/19	24	4/19	24	5/12	30	MSG		MSG		10/27	22	11/ 9	18	12/ 5	14236	205	191			
CULPEPER					3/ 8	16	3/ 8	16	3/ 8	16	4/13	27	4/19	31	MSG		MSG		MSG		MSG		MSG						
LINCOLN	98	7/ 9	8	2/26	3/ 7	15	3/ 8	18	4/13	24	4/13	24	4/19	32	10/27	30	10/30	28	12/ 1	21	12/25	15	12/25	15293	292	232	200	191	
LURAY 5 E	96	7/ 5	8	2/26	2/26	8	4/ 8	19	4/13	23	4/19	25	4/19	25	10/20	29	10/27	26	11/18	24	12/ 6	18	12/26	9303	242	191	191	184	
MOUNT WEATHER	93	7/10	4	2/26	3/ 8	14	3/ 8	14	3/17	22	4/18	28	4/19	30	10/27	30	11/18	27	12/ 5	23	12/25	11	12/25	11292	292	232	214	191	

# TEMPERATURE EXTREMES AND FREEZE DATA (°F)

VIRGINIA  
1990

STATION					HIGHEST		DATE		LOWEST		DATE		LAST SPRING MINIMUM OF										FIRST FALL MINIMUM OF										NUMBER OF DAYS BETWEEN DATES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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													DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.	DATE	TEMP.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
PIEDMONT RESEARCH STN					99	7/ 6	10	2/26	2/27	14	2/27	14	4/ 8	24	4/13	28	4/18	31	10/27	28	10/27	28	12/25	17	12/25	17	NONE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

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

VIRGINIA  
1990

STATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
VIRGINIA														
TIDEWATER 01														
BACK BAY WILDLIFE REFU	-	B	7	-	40	107	B	267	-	418	-	-	-	-
COLONIAL BEACH	0	0	0	21	38	60	289	461	321	156	83	-	0	-
EMPORIA 1 WNW	0	0	0	29	38	52	241	429	296	140	46	0	0	1271
FREDERICKSBURG NATL PK	0	0	0	36	38	40	237	403	271	111	35	0	0	1171
HOLLAND 1 E	0	0	1	44	47	75	270	445	370	157	94	3	6	1512
HOPEWELL	0	0	5	48	54	101	330	475	370	192	98	0	0	1673
KILMARNOCK 1 N	0	0	2	41	38	61	255	424	312	122	77	0	0	1332
LANGLEY AIR FORCE BASE	0	0	4	44	51	75	322	526	444	204	113	8	5	B 1795
MATHEWS 2 ENE	0	0	1	30	30	67	253	425	331	147	100	1	0	1385
NORFOLK WSO AIRPORT	0	0	8	52	51	98	324	489	407	218	137	8	5	1797
PAINTER 2 W	0	0	0	29	37	62	263	461	363	155	100	1	0	1471
STONY CREEK 3 ESE	0	0	0	41	57	106	371	-	-	-	-	-	-	-
SUFFOLK LAKE KILBY	0	0	5	49	49	74	273	457	294	176	114	3	1	1495
TANGIER ISLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAKEFIELD 2	0	0	43	-	-	-	345	561	-	-	130	5	0	-
WALKERTON 2 NW	0	0	3	38	48	84	274	432	339	159	93	0	0	1470
WARSAW 2 NW	0	0	0	39	48	72	293	441	326	145	92	1	1	1458
WEST POINT 2 SW	0	0	3	41	48	98	302	467	340	160	102	1	0	1562
WILLIAMSBURG 2 N	0	0	1	44	47	77	273	451	362	165	102	2	0	1524
EASTERN PIEDMONT 02														
AMELIA 4 SW	0	B	0	42	45	51	247	412	302	128	52	0	0	B 1279
ASHLAND	0	0	0	35	43	65	264	415	305	139	75	1	0	1342
BREMO BLUFF	0	0	0	19	-	49	218	358	294	-	39	0	0	-
CAMP PICKETT	0	0	0	40	39	53	215	427	294	154	54	0	0	1276
CHASE CITY	0	0	0	35	47	87	284	470	394	220	56	0	0	1593
CORBIN	0	0	0	33	34	48	223	343	267	110	62	0	0	1120
CROZIER	0	0	0	44	45	42	228	400	308	131	74	2	0	1274
FARMVILLE 2 N	0	0	0	34	38	42	228	406	301	131	49	0	0	1229
JOHN H KERR DAM	0	0	0	44	43	84	275	468	379	201	76	0	0	1570
LAWRENCEVILLE 5 W	0	0	0	42	47	57	-	419	301	158	46	0	0	-
LOUISA	0	0	0	23	35	63	246	386	291	146	58	0	1	1249
RICHMOND WSO AIRPORT	R	0	1	43	51	81	312	470	356	177	96	0	2	1589
WESTERN PIEDMONT 03														
APPOMATTOX	0	0	0	28	32	47	231	384	310	155	-	0	0	-
BEDFORD	0	0	0	31	68	58	269	-	295	136	27	-	0	-
CHARLOTTE COURT HSE 3W	0	0	0	36	36	43	211	401	314	142	45	0	0	1079
CHARLOTTESVILLE 2 W	0	0	0	43	53	40	212	378	266	132	33	4	0	1228
CHATHAM	0	0	0	8	23	37	146	328	266	113	15	0	0	1161
DANVILLE	0	0	0	34	53	119	332	509	397	211	54	0	0	936
LYNCHBURG WSO AIRPORT	R	0	0	25	35	62	193	335	266	127	31	0	0	1709
MARTINSVILLE FILTER PL	0	0	0	3	20	48	204	362	277	129	-	0	0	1384
MONTICELLO	B	0	0	41	44	33	221	360	248	136	25	2	1	1074
PHILPOTT DAM 2	0	0	0	23	30	41	233	376	318	163	30	0	0	991
ROCKY MOUNT	0	0	0	26	40	41	228	380	272	136	33	0	0	B 1111
SOUTH BOSTON	0	0	0	21	28	52	229	414	366	180	42	0	0	1214
STUART 1 SSE	-	-	-	-	-	-	231	327	-	-	16	1	0	-
TYE RIVER 1 SE	0	0	0	30	48	37	198	368	271	B	39	0	0	1332
NORTHERN 04														
BIG MEADOWS	0	0	0	4	B	0	37	-	-	9	0	0	0	-
CULPEPER	0	-	B	44	B	69	340	-	-	-	-	-	0	206
LINCOLN	0	0	0	30	49	35	223	360	279	131	43	5	0	1129
LURAY 5 E	0	0	0	23	31	12	129	291	209	99	32	0	0	1128
MOUNT WEATHER	0	0	0	13	31	9	159	247	169	71	20	0	0	826
PIEDMONT RESEARCH STN	0	0	0	36	41	45	228	370	268	138	43	0	0	811
STERLING RCS	0	0	0	34	36	-	214	333	236	113	54	0	0	650
WARRENTON 3 SE	0	0	0	37	40	25	194	346	265	123	44	0	0	1105
WASHINGTON WSO DULLES	0	0	0	30	31	26	223	376	279	118	49	0	0	1074
														985
														970

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY AND SEASONAL COOLING DEGREE DAYS  
BASE=65 DEGREES FAHRENHEIT

VIRGINIA  
1990

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	SEASONAL NORM
WASHINGTON NATL WSCMO	R	0	0	30	46	50	309	451	364	183	88	0	0	1521	1430
WINCHESTER 'WINC'		0	0	-	-	25	215	312	241	83	24	0	0	-	-
WINCHESTER 3 ESE		0	0	13	21	28	179	305	203	88	11	0	0	848	985
WOODSTOCK 2 NE		0	0	5	25	28	196	318	227	125	23	0	0	947	936
CENTRAL MOUNTAIN	05														
BUCHANAN		0	0	14	32	82	260	380	350	174	38	0	0	1330	1066
COVINGTON FILTER PLANT		0	0	9	19	70	211	343	317	142	27	1	0	1139	-
DALE ENTERPRISE		0	0	8	21	25	215	315	235	126	20	0	0	965	773
GATHRIGHT DAM		0	0	5	14	23	114	228	198	80	5	0	0	667	-
HOT SPRINGS		0	0	1	11	11	115	233	185	81	4	0	0	641	535
LEXINGTON		0	0	9	21	42	175	311	277	122	22	0	0	979	979
MONTEREY		-	-	-	-	10	-	-	-	-	-	-	-	-	-
ROANOKE WSO AIRPORT	R	0	0	29	34	61	238	377	305	145	27	3	0	1219	1085
STAUNTON SEWAGE PLANT		0	0	-	-	20	121	-	172	82	6	0	0	-	809
TIMBERVILLE 3 E		0	0	11	28	22	-	-	-	-	-	-	-	-	823
SOUTHWESTERN MOUNTAIN	06														
ABINGDON 3 S		0	0	0	12	27	127	235	196	94	5	0	0	696	-
BIG STONE GAP	B	0	0	2	14	30	157	274	281	151	5	0	0	914	-
BLACKSBURG 3 SE		0	0	0	10	13	107	204	165	87	7	0	0	593	585
BLAND		-	0	-	0	4	77	157	140	61	6	0	0	-	-
BURKES GARDEN		0	0	0	0	3	40	106	73	30	2	0	0	254	252
FLOYD 2 NE		0	0	0	0	16	103	188	145	60	7	0	0	519	544
GALAX RADIO WBOB		-	0	0	3	20	138	206	171	72	13	0	0	-	-
GRUNDY		0	0	2	15	51	140	256	237	120	7	0	0	828	-
LEBANON		0	0	2	8	20	118	223	195	105	9	0	0	680	-
MOUNT LAKE BIOL STN		0	0	0	-	0	10	31	30	-	0	0	0	-	-
PENNINGTON GAP		0	0	3	14	40	186	301	278	146	10	0	0	978	830
PULASKI		0	0	0	9	11	123	195	190	113	4	0	0	645	-
RICHLANDS		0	0	0	7	17	107	214	207	105	5	0	0	-	-
SALTVILLE 1 N		-	0	4	2	28	136	251	229	115	7	0	0	-	-
STAFFORDSVILLE 3 ENE		0	0	1	5	23	113	248	211	118	14	0	0	733	-
WISE 1 SE		0	0	7	21	17	122	200	167	99	16	0	0	649	-
WYTHEVILLE 1 S		0	0	0	3	19	92	218	194	89	1	0	0	616	576

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA  
1990

STATION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
VIRGINIA														
TIDEWATER	01													
HOLLAND 1 E														
	WIND	-	-	-	1116	1237	715	717	344	492	849	-	-	-
	EVAP	-	-	-	5.21	B 6.70	7.59	7.78	5.64	5.14	B 4.57	-	-	-
	MAX TEMP	-	-	-	70.0	76.7	88.1	M 90.8	86.8	80.7	72.9	-	-	M -
	MIN TEMP	-	-	-	44.4	52.3	61.8	M 67.3	66.3	57.4	49.5	-	-	M -
EASTERN PIEDMONT	02													
JOHN H KERR DAM														
	WIND	-	-	-	-	1940	1309	1635	1110	1132	1267	-	-	-
	EVAP	-	-	-	-	B 5.75	6.50	6.71	5.72	4.51	2.70	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
WESTERN PIEDMONT	03													
PHILPOTT DAM 2														
	WIND	-	-	-	839	873	614	B 600	438	461	B 640	-	-	-
	EVAP	-	-	-	B 3.41	B 3.43	4.82	5.24	3.53	2.88	B 2.72	-	-	-
	MAX TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN TEMP	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN	04													
PIEDMONT RESEARCH STN														
	WIND	-	-	-	1685	1702	1359	991	737	708	881	-	-	-
	EVAP	-	-	-	B 5.30	B 5.62	8.05	B 7.29	B 5.12	B 4.99	B 4.39	-	-	-
	MAX TEMP	-	-	-	69.7	75.2	85.4	M 92.6	88.6	82.4	72.6	-	-	M -
	MIN TEMP	-	-	-	47.8	54.9	64.0	69.7	67.8	60.7	51.2	-	-	M -
CENTRAL MOUNTAIN	05													
GATHRIGHT DAM														
	WIND	-	-	-	-	894	624	471	371	467	715	-	-	-
	EVAP	-	-	-	-	4.15	5.51	5.60	4.43	3.16	2.91	-	-	-
	MAX TEMP	-	-	-	-	67.4	80.5	84.7	80.8	71.3	61.9	-	-	M -
	MIN TEMP	-	-	-	-	46.5	54.9	60.5	59.9	52.3	41.8	-	-	M -

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

VIRGINIA  
1990

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 58 W	1923	23	23	0			H
ALLISONIA 2 SSE	0135	06	PULASKI	36 54	80 44 W	1850	00	40	00			C H
ALTAVISTA	0166	03	CAMPBELL	37 6	79 18 W	510	0	46	00			
AMELIA 4 SW	0187	02	AMELIA	37 18	78 2 W	358	23	23	00			
APPOMATTOX	0243	03	APPOMATTOX	37 22	78 50 W	909	30	53	00			
ASHLAND	0327	02	HANOVER	37 45	77 29 W	220	79	79	00			H
BACK BAY WILDLIFE REFU	0385	01		36 40	75 55 W	10	39	39	00			
BEDFORD	0551	03	BEDFORD	37 21	79 31 W	975	63	77	0			
BIG MEADOWS	0720	04	MADISON	38 31	78 26 W	3536	56	56	0			H
BIG STONE GAP	0735	06	WISE	36 51	82 48 W	1864	2	2	00			H
BLACKSBURG 3 SE	0766	06	MONTGOMERY	37 11	80 25 W	2000	40	40	00	JAN		H
BLAND	0792	06	BLAND	37 6	81 6 W	2000	1	41	00			H
BREMO BLUFF	0993	02	FLUVANNA	37 42	78 18 W	225	6	51	00			C
BROOKNEAL	1082	03	CAMPBELL	37 3	78 56 W	445	12	38	00			
BUCHANAN	1121	05	BOYD	37 32	79 41 W	880	70	87	00			H
BUCKINGHAM	1136	02	BUCKINGHAM	37 33	78 33 W	459	0	56	00			
BUENA VISTA	1159	05	ROCKBRIDGE	37 44	79 21 W	840	0	54	00			
BURKES GARDEN	1209	06	TAZEWELL	37 5	81 20 W	3304	94	96	00			H
BYLESBY 3 W	1259	06	CARROLL	36 48	80 59 W	2610	0	26	00			
CAMP PICKETT	1322	02	NOTTOWAY	37 2	77 57 W	330	20	20	00			C H
CHARLOTTE COURT HSE 3 W	1585	03	CHARLOTTE	37 4	78 42 W	590	45	45	00			
CHARLOTTESVILLE 2 W	1593	03	ALBEMARLE	38 2	78 31 W	869	88	115	00			
CHASE CITY	1606	02	MECKLENBURG	36 50	78 28 W	512	44	44	00			C
CHATHAM	1614	03	PITTSYLVANIA	36 49	79 24 W	640	68	68	00			
CLARKSVILLE	1746	02	MECKLENBURG	36 37	78 34 W	310	0	100	00			H
COLONIAL BEACH	1913	01	WESTMORELAND	38 15	76 58 W	10	29	29	00			
CONCORD 4 SSW	1955	03	CAMPBELL	37 18	78 59 W	640	0	42	00			H
COPPER HILL 1 NNE	1999	06	FLOYD	37 6	80 8 W	2723	0	50	00			H
CORBIN	2009	02	CAROLINE	38 12	77 22 W	220	33	33	00			H
COVINGTON	2041	05	ALLEGHANY	37 48	80 0 W	1250	0	54	00			H
COVINGTON FILTER PLANT	2044	05	ALLEGHANY	37 48	80 0 W	1230	31	31	00			C
CRAIGSVILLE 2 S	2064	05	AUGUSTA	38 3	79 23 W	1782	0	29	00			H
CROZIER	2142	02	GOOCHLAND	37 38	77 48 W	302	16	53	00			H
CULPEPER	2155	04	CULPEPER	38 29	77 59 W	475	79	81	00			
CUMBERLAND	2160	02	CUMBERLAND	37 30	78 15 W	459	0	13	00			H
DALE ENTERPRISE	2208	05	ROCKINGHAM	38 27	78 56 W	1400	109	111	00			C
DANVILLE	2245	03	PITTSYLVANIA	36 35	79 23 W	410	74	101	00			H
EARLEHURST	2600	05	ALLEGHANY	37 40	80 14 W	2041	0	16	00			H
EMPORIA 1 WNW	2790	01	GREENSVILLE	36 41	77 33 W	100	9	61	00			
FARMVILLE 2 N	2941	02	CUMBERLAND	37 20	78 23 W	449	70	72	00			H
FLOYD 2 NE	3071	06	FLOYD	36 56	80 18 W	2598	59	59	00			
FREDERICKSBURG NATL PK	3192	01	SPOTSYLVANIA	38 19	77 27 W	90	98	100	00			
FREE UNION	3213	03	ALBEMARLE	38 5	78 34 W	570	0	37	00			
GALAX RADIO WBOB	3267	06	CARROLL	36 40	80 55 W	2386	37	48	00			
GATHRIGHT DAM	3310	05	ALLEGHANY	37 57	79 57 W	1770	13	13	13			C
GLASGOW 1 SE	3375	05	ROCKBRIDGE	37 37	79 26 W	740	0	25	00			H
GLEN LYN	3397	06	GILES	37 22	80 52 W	1522	48	78	00			
GORDONSVILLE 3 S	3466	02	LOUISA	38 5	78 11 W	459	0	31	00			H
GOSHEN	3470	05	ROCKBRIDGE	37 59	79 30 W	1352	0	52	00			
GRUNDY	3640	06	BUCHANAN	37 16	82 5 W	1170	31	41	00			H
HILLSVILLE	3991	06	CARROLL	36 44	80 43 W	2505	0	49	00			H
HOLLAND 1 E	4044	01	NANSEMOND	36 41	76 47 W	80	59	59	3			H
HOPEWELL	4101	01	PRINCE GEORG	37 18	77 18 W	39	99	104	00			

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# STATION INDEX

VIRGINIA  
1990

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	
HOT SPRINGS	4128	05	BATH	38 0	79 50W	2236	98	100	0			C H
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			C H
JOHN H KERR DAM	4414	02	MECKLENBURG	36 36	78 17W	250	43	43	4			C
KERRS CREEK 6 WNW	4565	05	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			H
LAFAYETTE 1 NE	4676	06	MONTGOMERY	37 14	80 13W	1320	0	41	0			H
LANGLEY AIR FORCE BASE	4720	01		37 5	76 21W	1310	6	155	0			H
LAWRENCEVILLE 5 W	4768	02	BRUNSWICK	36 46	77 56W	302	46	46	0			
LEBANON	4777	06	RUSSELL	36 55	82 4W	1710	3	3	0			H
LEXINGTON	4876	05	ROCKBRIDGE	37 47	79 26W	1060	113	120	0			H
LINCOLN	4909	04	LOUDOUN	39 7	77 43W	500	90	91	0			H
LOUISA	5050	02	LOUISA	38 2	78 0W	420	76	76	0			H
LURAY 5 E	5096	04	PAGE	38 40	78 23W	1201	50	50	0			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			H
MILLGAP 2 NNW	5595	05	HIGHLAND	38 21	79 43W	2520	0	16	0			C
MONTEBELLO 2 NE	5685	03	NELSON	37 53	79 8W	2681	0	54	0			H
MONTEREY	5698	05	HIGHLAND	38 25	79 35W	2923	49	65	0			H
MONTICELLO	5700	03	ALBEMARLE	38 1	78 27W	780	10	10	0			H
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			C
PAINTER 2 W	6475	01	ACCOMACK	37 35	75 49W	30	36	36	0			C
PALMYRA 1 E	6491	02	FLUVANNA	37 52	78 15W	410	0	35	0			C
PENNINGTON GAP	6626	06	LEE	36 45	83 3W	1510	59	59	0			H
PHILPOTT DAM 2	6692	03	HENRY	36 47	80 2W	1123	39	39	39			C
PIEDMONT RESEARCH STN	6712	04	ORANGE	38 13	78 7W	515	44	45	19			C
POWHATAN	6906	02	POWHATAN	37 33	77 56W	370	0	32	0			C
PULASKI	6955	06	PULASKI	37 4	80 47W	1850	31	31	0			C
RADFORD	6999	06		37 8	80 33W	1732	0	24	0			H
RICHLANDS	7174	06	TAZEWELL	37 6	81 50W	1910	3	3	0			C
RICHMOND WSO AIRPORT	7201	02	HENRICO	37 30	77 20W	164	54	54	0			C H J
ROANOKE WSO AIRPORT #	7285	05	ROANOKE	37 19	79 58W	1149	57	59	0			C
ROCKFISH	7312	03	NELSON	37 48	78 45W	485	0	53	0			C
ROCKY MOUNT	7338	03	FRANKLIN	37 0	79 54W	1232	98	98	0			C
ROSELAND 1 NNW	7402	03	ROSELAND	37 48	78 59W	880	0	6	0			H
SALTVILLE 1 N	7506	06	SMYTH	36 53	81 46W	1733	58	60	0			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			H
STAUNTON SEWAGE PLANT	8062	05	AUGUSTA	38 9	79 2W	1390	99	105	0			C
STERLING RCS	8084	04	LOUDOUN	38 59	77 28W	279	15	15	0			H
STONY CREEK 3 ESE	8129	01	SUSSEX	36 55	77 21W	70	33	33	0			H
STUART 1 SSE	8170	03	PATRICK	36 38	80 16W	1455	32	32	0	SEPT		
SUFFOLK LAKE KILBY	8192	01	NANSEMOND	36 44	76 36W	22	45	45	0			H
TANGIER ISLAND	8323	01	ACCOMACK	37 50	76 0W	10	39	39	0			H
THE PLAINS 2 NNE	8396	04	FAUQUIER	38 54	77 45W	530	0	46	0			C

SEE REFERENCE NOTES FOLLOWING STATION INDEX



# STATION INDEX

VIRGINIA  
1990

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	
TIMBERVILLE 3 E	8448	05	ROCKINGHAM	38 39	78 43W	1001	48	59	0			H
TROUT DALE 3 SSE	8547	06	GRAYSON	36 40	81 24W	2820	00	56	0			C
TYE RIVER 1 SE	8600	03	NELSON	37 38	78 56W	722	29	53	0			
VIENNA DUNN LORING	8737	04	FAIRFAX	38 54	77 13W	4200	00	43	0			H
WAKEFIELD 2	8800	01	SUSSEX	36 59	77 0W	90	17	17	0			C
WALKERTON 2 NW	8829	01	KING AND QUE	37 45	77 3W	49	58	59	0			H
WALLACETON LK DRUMMOND	8837	01		36 36	76 26W	30	0	65	0			
WARRENTON 3 SE	8888	04	FAUQUIER	38 41	77 46W	502	41	41	0			H
WARSAW 2 NW	8894	01	RICHMOND	37 59	76 46W	141	41	41	0			H
WASHINGTON WSO DULLES	8903	04	LOUDOUN	38 57	77 27W	290	30	30	0			H
WASHINGTON NATL WSCMO	8906	04	ARLINGTON	38 51	77 2W	10	51	51	0			H
WEST POINT 2 SW	9025	01	NEW KENT	37 31	76 50W	18	38	38	0			C
WILLIAMSBURG 2 N	9151	01	YORK	37 18	76 42W	70	41	46	0			H
WILLIS	9169	06	FLOYD	36 51	80 29W	2900	0	13	0			C
WINCHESTER 'WINC'	9181	04	FREDERICK	39 11	78 9W	720	10	10	0			H
WINCHESTER 3 ESE	9186	04	FREDERICK	39 11	78 7W	679	86	85	0			H
WINTERPOCK 4 W	9213	02	CHESTERFIELD	37 20	77 39W	302	0	13	0			
WISE 1 SE	9215	06	WISE	36 58	82 34W	2570	37	37	0			C
WOODSTOCK 2 NE	9263	04	SHENANDOAH	38 54	78 28W	659	93	99	0			H
WOOLWINE	9272	03	PATRICK	36 43	80 17W	1520	0	41	0			C
WYTHEVILLE 1 S	9301	06	WYTHE	36 56	81 5W	2450	88	18	0			C

SEE REFERENCE NOTES FOLLOWING STATION INDEX

# REFERENCE NOTES

VIRGINIA  
1990

## 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.

## SUBSCRIPTION, PRICE AND ORDERING INFORMATION AVAILABLE FROM:

NATIONAL CLIMATIC DATA CENTER  
FEDERAL BUILDING  
ASHEVILLE, N. C. 28801-2696

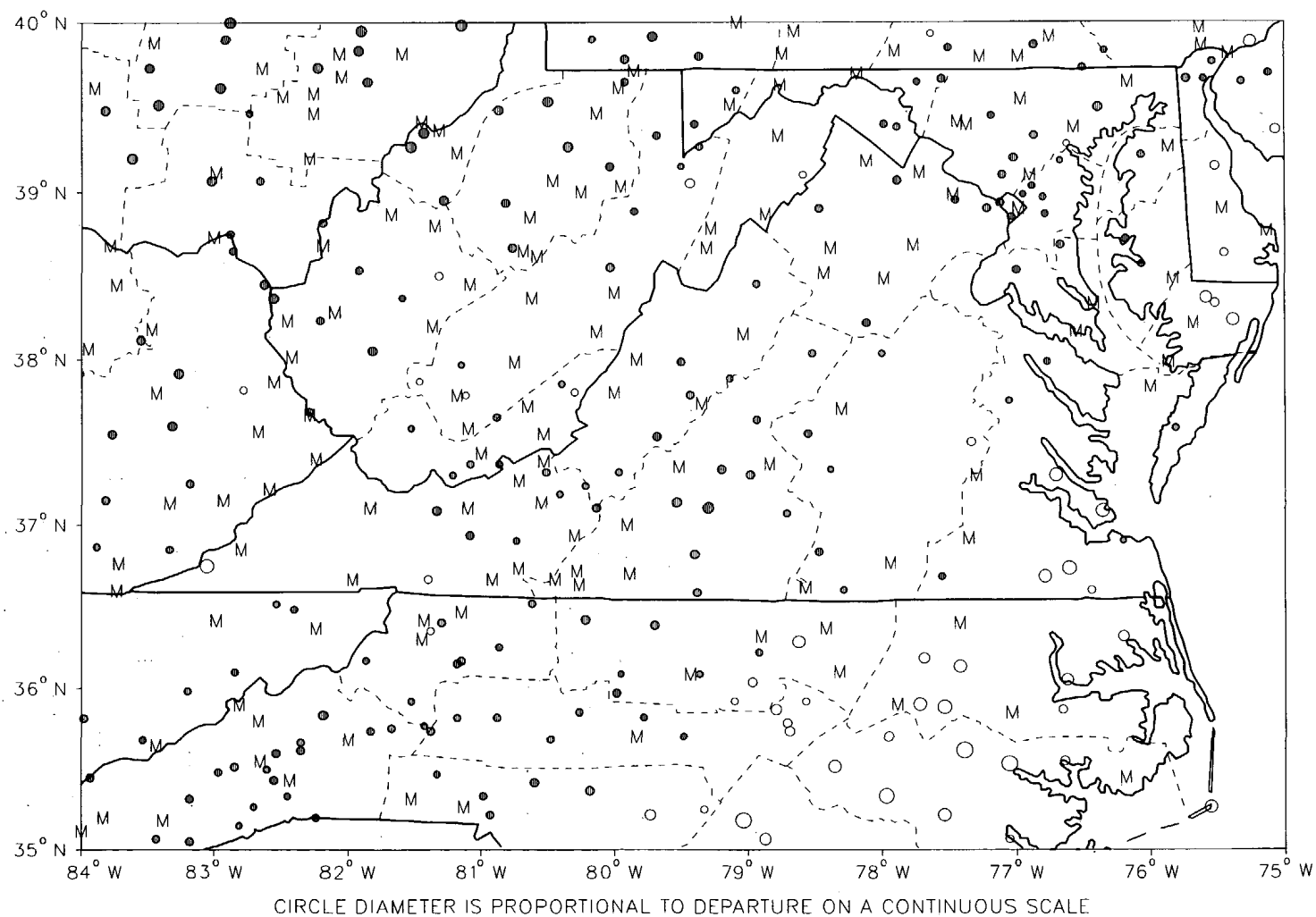
# CUMULATIVE ANNUAL PRECIPITATION DEPARTURE FROM INDIVIDUAL STATION NORMALS (1951-1980) FOR 1990 VIRGINIA

M INCOMPLETE DATA FOR THE PERIOD

▽ EXACTLY NORMAL

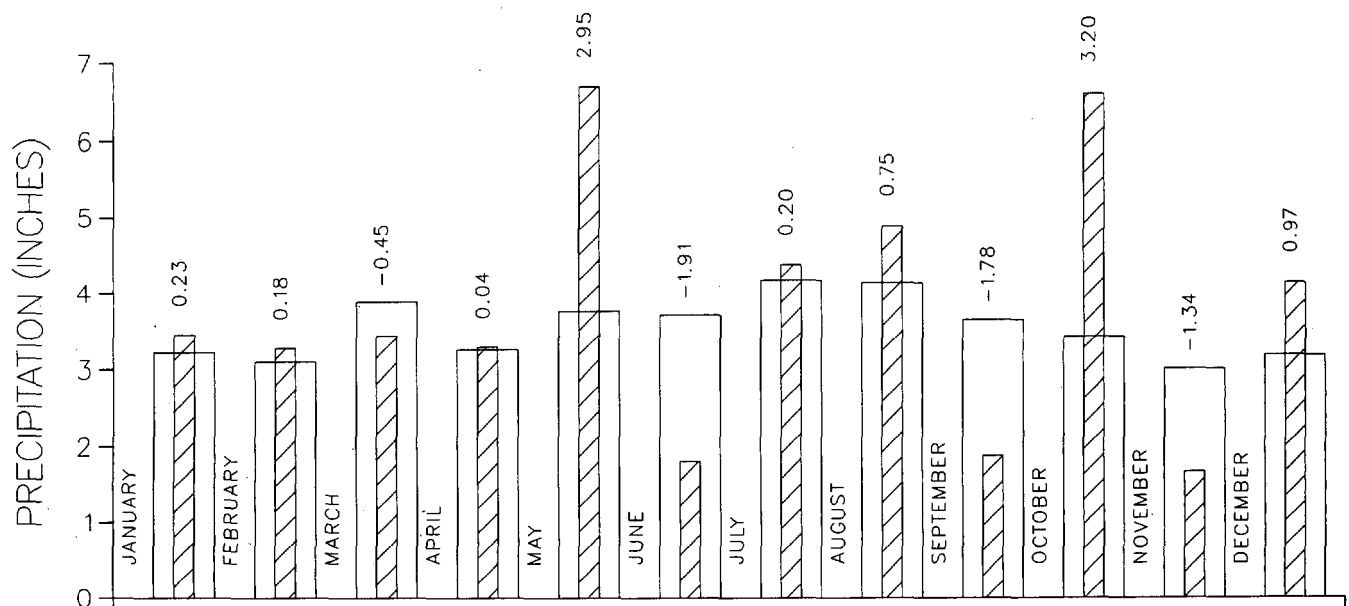
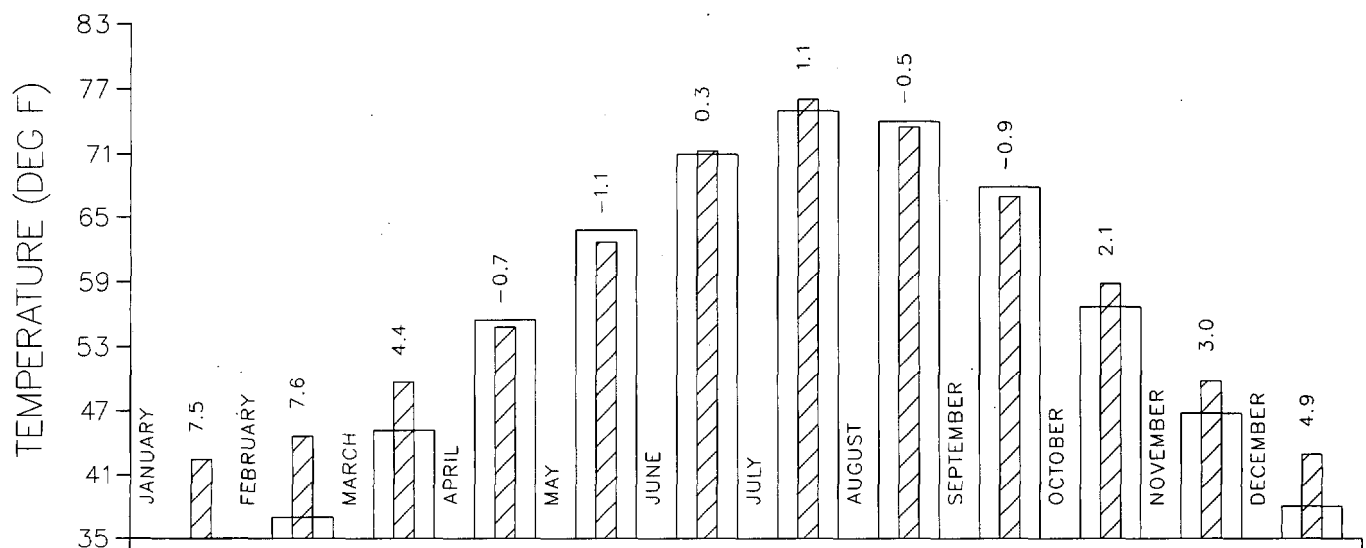
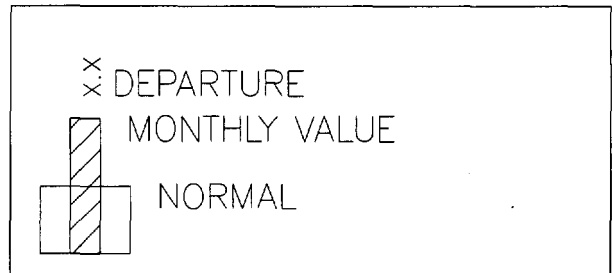
○ ○ ○ ○ 5,10,20,... 50% OR MORE BELOW NORMAL

● ● ● ● 10,20,40,...100% OR MORE ABOVE NORMAL



# TEMPERATURE AND PRECIPITATION AREALLY WEIGHTED STATE AVERAGES AND DEPARTURES FROM NORMAL (1951-1980) FOR 1990

VIRGINIA



MONTHS

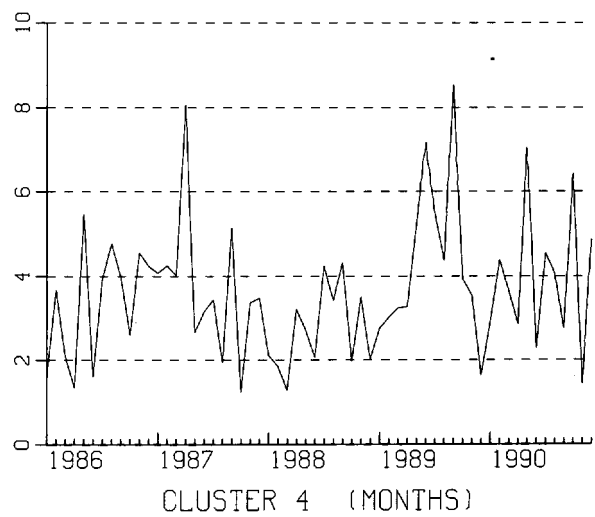
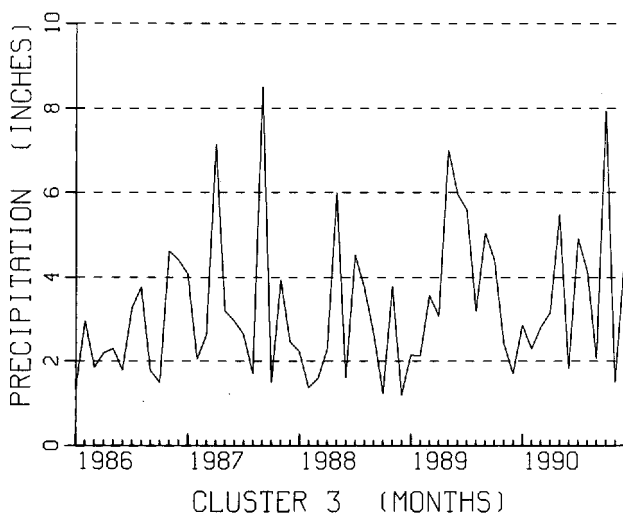
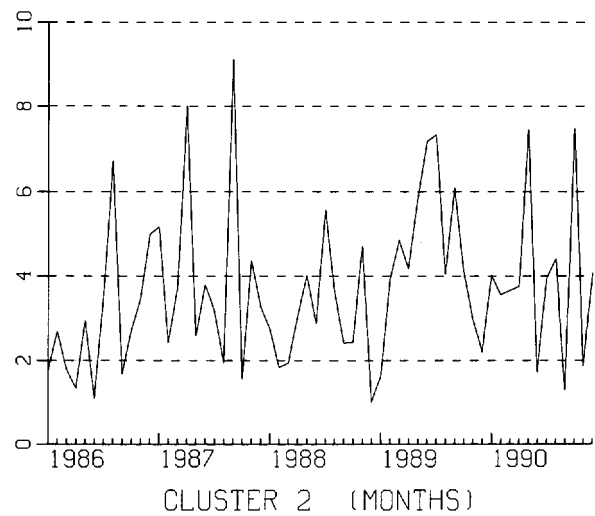
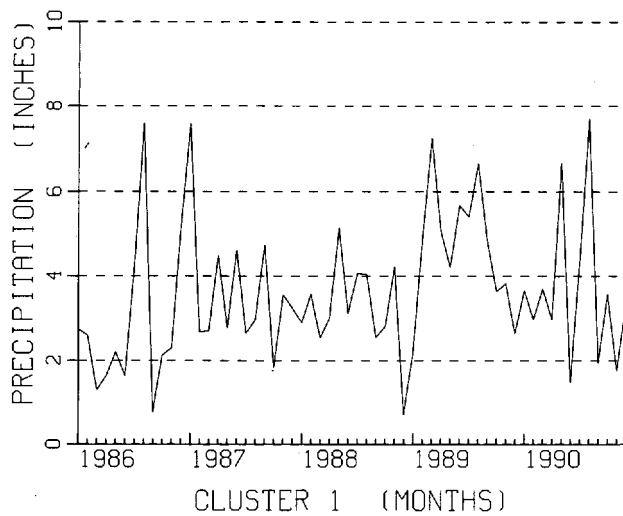
MONTHLY PRECIPITATION FOR  
THE LAST 60 MONTHS  
ENDING DECEMBER 1990  
VIRGINIA

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



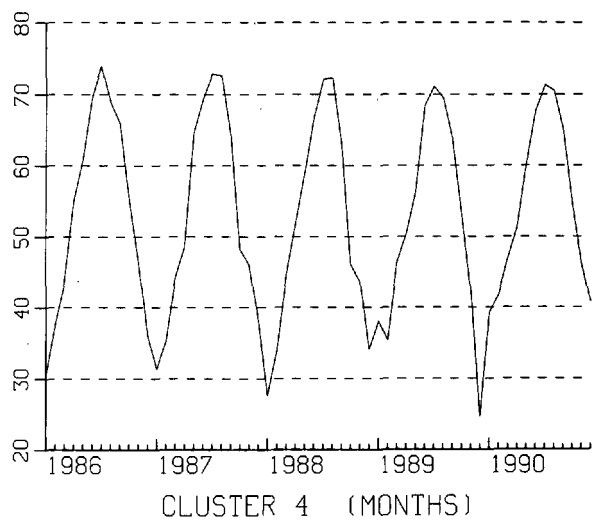
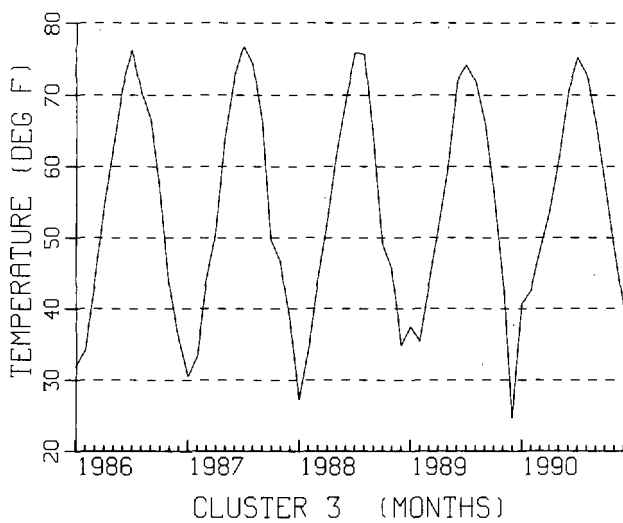
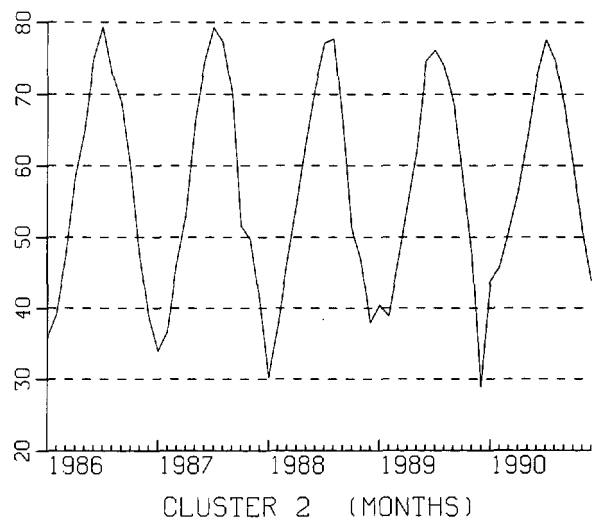
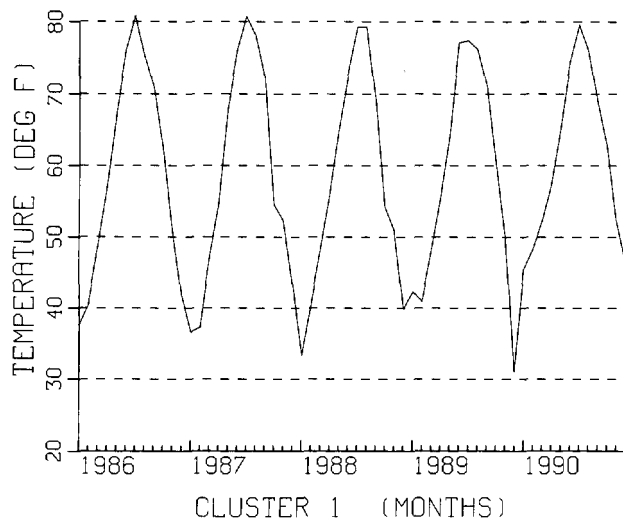
# MONTHLY TEMPERATURE FOR THE LAST 60 MONTHS ENDING DECEMBER 1990 VIRGINIA

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



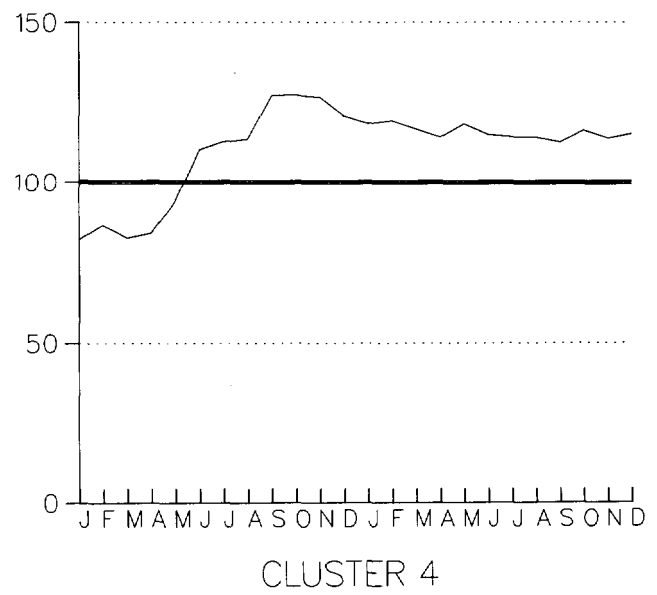
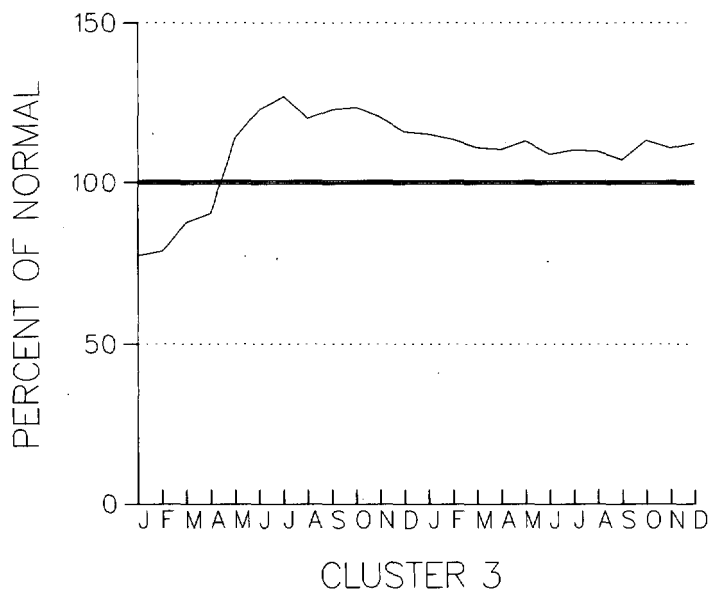
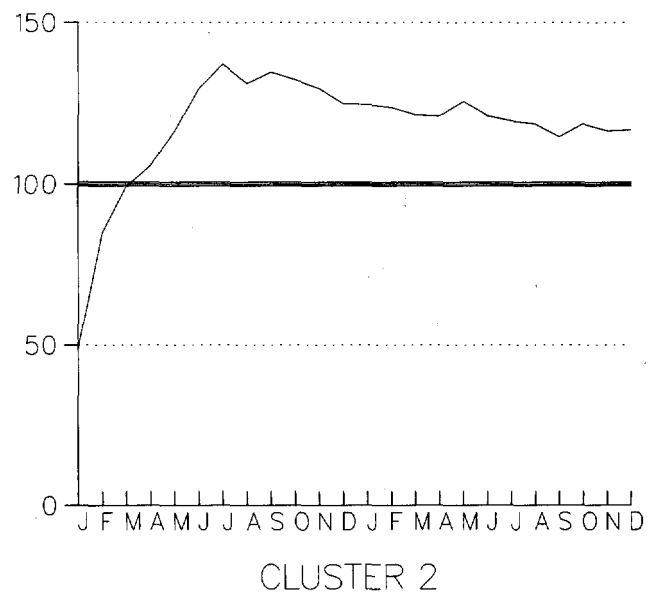
# CUMULATIVE PRECIPITATION DEPARTURES FROM NORMAL (1951-1980) FOR THE LAST 24 MONTHS ENDING DECEMBER 1990 VIRGINIA

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



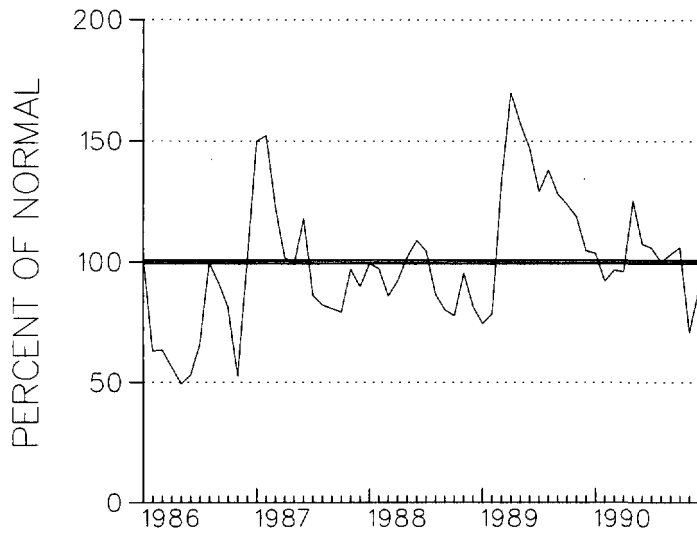
PRECIPITATION DEPARTURES FROM NORMAL (1951-1980)  
THREE MONTH RUNNING MEAN  
FOR THE 60 MONTHS ENDING WITH DECEMBER 1990 DATA  
VIRGINIA

CLUSTER 1 -DIVISION(S):  
TIDEWATER 01

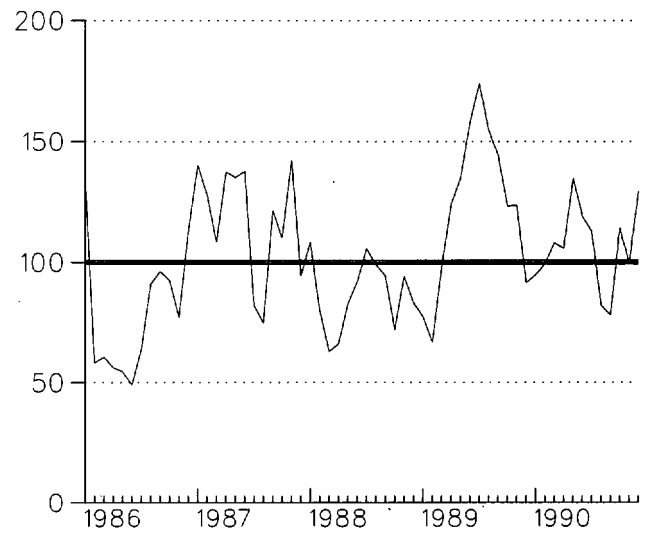
CLUSTER 2 -DIVISION(S):  
EASTERN PIEDMONT 02  
WESTERN PIEDMONT 03

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

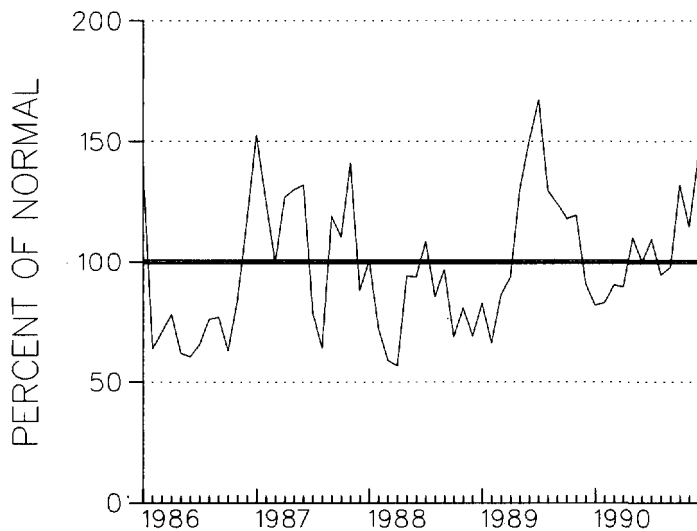
CLUSTER 4 -DIVISION(S):  
SOUTHWESTERN MOUNTAIN 06



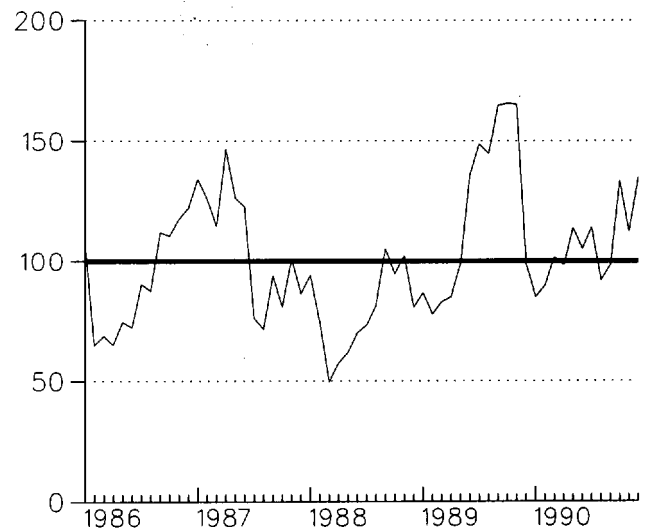
CLUSTER 1



CLUSTER 2



CLUSTER 3



CLUSTER 4



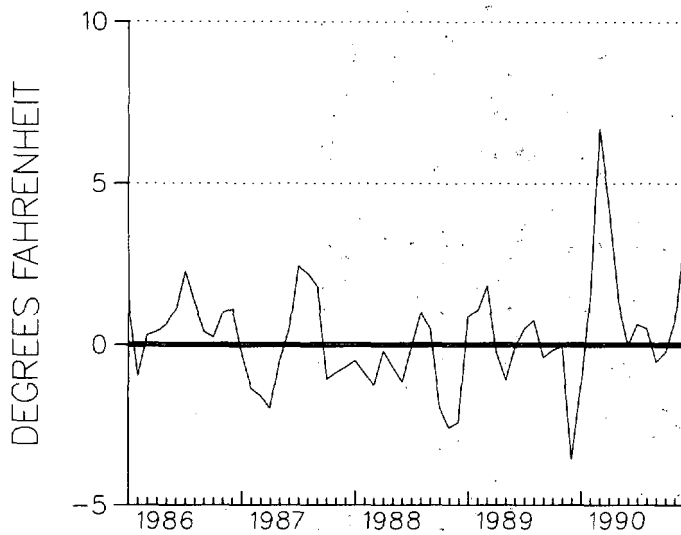
# TEMPERATURE DEPARTURES FROM NORMAL (1951-1980) THREE MONTH RUNNING MEAN FOR THE 60 MONTHS ENDING WITH DECEMBER 1990 DATA VIRGINIA

CLUSTER 1 -DIVISION(S):  
TIDEWATER 01

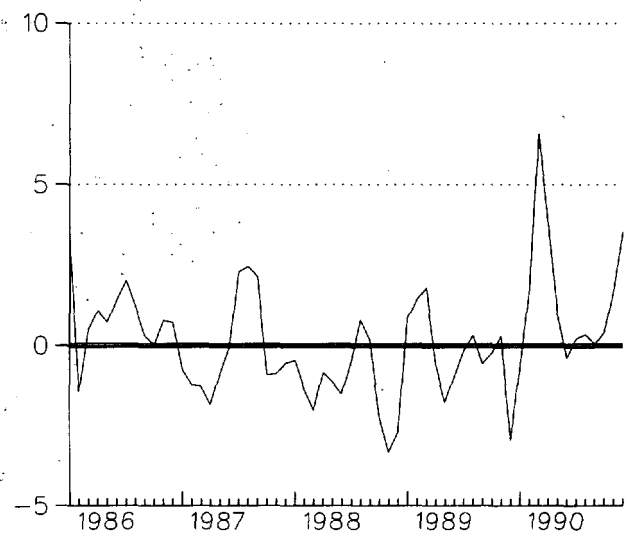
CLUSTER 2 -DIVISION(S):  
EASTERN PIEDMONT 02  
WESTERN PIEDMONT 03

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

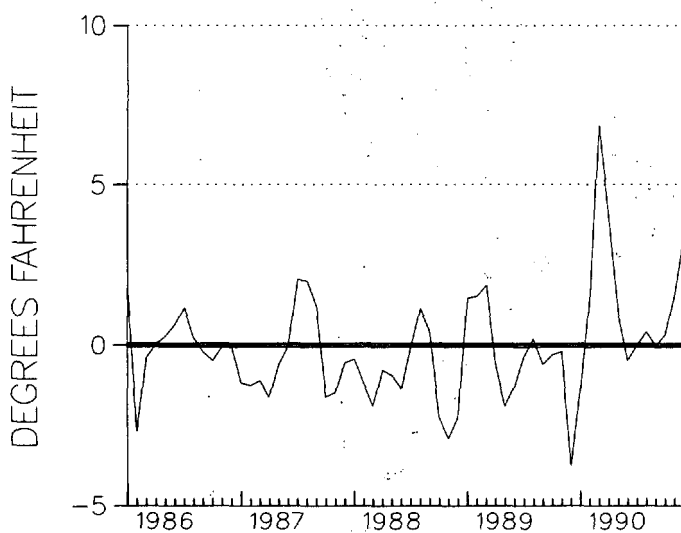
CLUSTER 4 -DIVISION(S):  
SOUTHWESTERN MOUNTAIN 06



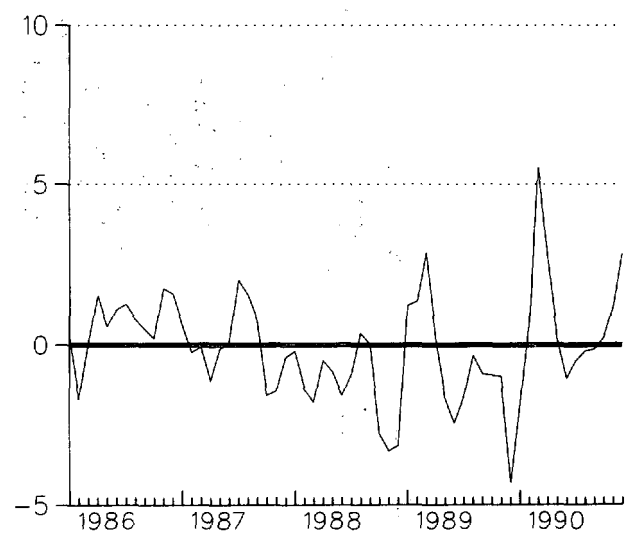
CLUSTER 1



CLUSTER 2



CLUSTER 3

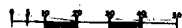


CLUSTER 4

# 44 - VIRGINIA & D.C.

ALBERS EQUAL AREA PROJECTION  
STANDARD PARALLEL AT 29.5 AND 45.5 DEGS

STATUTE MILES



## STATION LEGEND

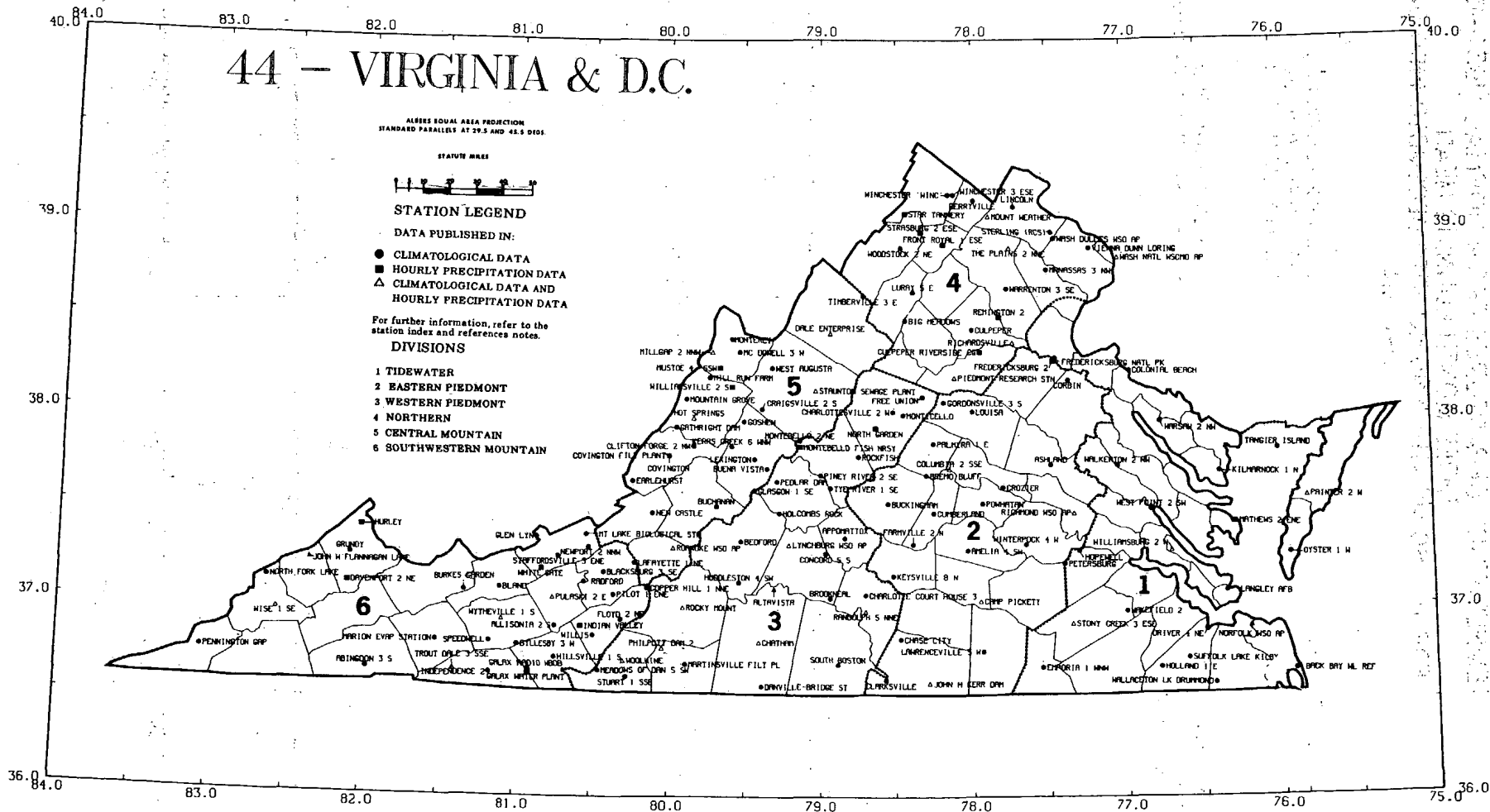
DATA PUBLISHED IN:

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

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

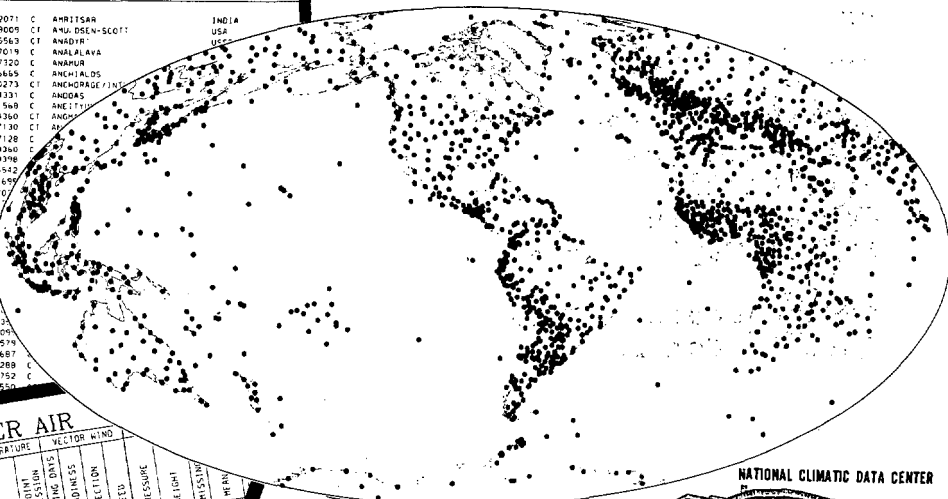
## DIVISIONS

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



## STATION LIST WMO PUB 9 VOL A

47244 C	ISDARI MAJIS	OMAN	42071 C	AMRITSAR	INDIA
40831 C	ABQAN	IRAN, ISLAMIC REP	89008 CT	ANU DEEN-SCOT	USA
47409 C	ABASHIFI	JAPAN	25563 CT	ANADIR	USA
71108 C	ABDISFORD, B.C	CANADA	67019 C	ANALALAVA	
64756 C	ABEKE	CHAD	73200 C	ANBARA	
03041 C	ABERDEEN/ENGLAND	U K/ENGLND	16665 S	ANCHALOS	
41112 C	ABBA	SAUDI ARABIA	70273 CT	ANCHORAGE/INTL	
85578 C	ABEJIAN	COTE D'IVOIRE	84331	ANDARAS	
72266 C	ABILENE, TX	USA	91540 C	ANEHITSU	
41216 C	ABU DHABI BATEEN AIRPORT	U ARAB EMIRATES	24360 CT	ANEK	
41217 CT	ABU DHABI INTL AIRPORT	U ARAB EMIRATES	17130 C	ANGERS	
52640 C	ABU HAMED	SUDAN	17128 C	ANGKOR	
67966 C	ABU NATANA	SUDAN	60340 C	ANGKOR	
72856 C	ACAJUTLA	EL SALVADOR	70398 C	ANGKOR	
76805 C	ACAPULCO, GTO.	MEXICO	84852 C	ANGKOR	
80427 C	ACARIQUA	VENEZUELA	81645 C	ANGKOR	
17352 C	ACBANE	TUNES	52010 C	ANGKOR	
63450 CT	ADDIS ABABA	ETHIOPIA	52010 C	ANGKOR	
94672 CT	ADELALD AIRPORT	AUSTRALIA	52010 C	ANGKOR	
4146 C	ADEH-ADHMASAR	DEM YEMEN	52010 C	ANGKOR	
85588 C	ADEN	COTE D'IVOIRE	52010 C	ANGKOR	
60520 C	ADENAB	ALGERIA	52010 C	ANGKOR	
76479 CT	AEROP INTL MONTEC, D.F.	MEXICO	52010 C	ANGKOR	
76484 CT	AEROP INTL MEXICO, MEX.	MEXICO	52010 C	ANGKOR	
76491 CT	AEROP INTL MEXICO, A.L.	MEXICO	52010 C	ANGKOR	
87582 C	AEROPARQUE	ARGENTINA	52010 C	ANGKOR	
11190 C	AFYON	TURKEY	52010 C	ANGKOR	
61024 C	AGADEZ	NIGER	52010 C	ANGKOR	
60252 C	AGADIR	MOROCCO	52010 C	ANGKOR	
61874 C	AGALECA	PAKISTAN	52010 C	ANGKOR	
42261 C	AGRA	INDIA	52010 C	ANGKOR	
16662 C	AGRIKONIA AIRPORT	GREECE	52010 C	ANGKOR	
42647 CT	AGHMDHAB	ALGERIA	52010 C	ANGKOR	
80540 C	AGH SEPTRA	ALGERIA	52010 C	ANGKOR	
51699 C	AGHUL EL AIRFOSS	MAURITANIA	52010 C	ANGKOR	
67471 CT	AJACCIO	FRANCE	52010 C	ANGKOR	
31168 C	AJMAN		52010 C	ANGKOR	
17164 C	AKHISAR		52010 C	ANGKOR	
17562 CT	AKI-A		52010 C	ANGKOR	



NATIONAL CLIMATIC DATA CENTER



ASIA - JAPAN										UPPER AIR									
LEVEL		TEMPERATURE		VECTOR WIND		LEVEL		TEMPERATURE		VECTOR WIND		LEVEL		TEMPERATURE		VECTOR WIND			
PRESSURE	HEIGHT	MEAN	WIND	MAX	MIN	PRESSURE	HEIGHT	MEAN	WIND	MAX	MIN	PRESSURE	HEIGHT	MEAN	WIND	MAX	MIN		
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JANUARY 1988  
VOL. 41 NO. 1

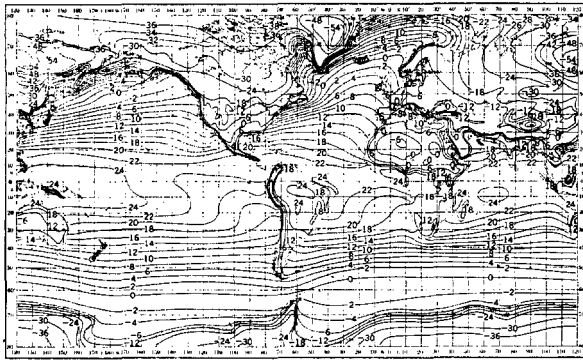
ISSN 0027-0296



# MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE  
WORLD METEOROLOGICAL ORGANIZATION

JANUARY DEW-POINT TEMPERATURE (°C) - MEANS



MONTHLY CLIMATIC DATA for the WORLD (MCDW) is a publication of monthly summaries of climatic data from around the world. Data are prepared by Members of the World Meteorological Organization for selected stations and exchanged via the Global Telecommunications System in coded format.

Tables of both Surface and Upper Air data are presented. Surface data tables contain elements of pressure, temperature, vapor pressure, precipitation and sunshine. Upper Air tables contain geopotential heights, temperatures, dew point depressions, and vector winds for ten selected pressure levels between the surface and thirty millibars (hectopascals). A Station List is also provided which, in the January and July editions, contains all stations authorized for publication. In other months the list contains only those stations from which data no more than two months old have been recently received.

Currently, world maps of long term mean temperatures, dew points, and sea level pressures are included on the cover of the MCDW. The maps are generally representative of conditions during the 1950's to mid-1970's, however some data may be from as early as the 1850's.

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NATIONAL CLIMATIC DATA CENTER

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