HOURLY PRECIPITATION DATA

VIRGINIA

JULY 2012

VOLUME 62 NUMBER 7

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Director
National Climatic Data Center

noaa National Oceanic and Atmospheric Administration

National Environmental Satellite, Data and Information Service

National Climatic Data Center Asheville, North Carolina

VIRGINIA

DAILY PRECIPITATION TOTALS

JULY 2012

GAGE	STATION	TOTAL	DAY OF MONTH																												
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	VIRGINIA																																
F	ALTAVISTA	5.1					.6			.8	1.5				.2	.1					.1	.1	.2				.4		.7				.4
F	BEDFORD 4 NW	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	BLACKSBURG NWSO	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	BREMO BLUFF	.0 I	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	I
F	CAMP PICKETT	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	CHATHAM	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	DANVILLE REGIONAL AP	2.57		.19						1.08	.48	T	.04			.20	.11	T			T	T	.06		.04				.37				
F	GALAX WTP	4.1	.2	.3			.4			.1		.6	.4		.5	.3	.2				.7	.2				.2							
F	GATHRIGHT DAM	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	JOHN H KERR DAM	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	LYNCHBURG INTL AP	2.73			1.34					.02	.11	.14		T	.22	.12	.02				T	T	T		.03	.01			.30	.03		T	.39
F	MILLGAP	4.7		.1											.1	.3	.5	.1				.1	1.6			.1			.2			.7	.9
T	NORFOLK INTL AP	4.81	T								.78	.21	1.08			.05					T	.14	.79	T		.09			1.15	T	T	T	.52
F	PAINTER 2W	4.8	.1									.2				2.6	.1		.1		.2	.5	.3	.1		.1		.1			.1		.3
F	PIEDMONT RSCH STN	4.4														.2	.3					.1	.6	.1		.8			.2				2.1
F	PULASKI 2 E	4.1		.2								1.5			.2	.3		.3			.4				.3	.6		.1	.2				
N	RICHMOND INTL AP	5.29	T							T	.46	1.36				.96	.73			.02	.09	.54	.17	.01	.01	.14			.06				.74
N	ROANOKE INTL AP	3.14	T	.04	T						.58	.13	T	T	T	.21	.03	.43			.20	T	.08		.19	.03			.69			.12	.41
F	ROCKY MT	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	STAFFORDSVILLE 3 ENE	2.2	.7	.2											.1	.1						.2				.3			.2				.4
F	TROUT DALE 3 SSE	6.2		.2			.2			.1		1.5	.6	.1		.9	.5			.4	.2					1.1	.3						.1
F	WAKEFIELD 1NW	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	WALLOPS ISLAND NASA TEST	3.46		T							.97	.08				.20	.02			.08	.08	.14	.21	T		.09			.07	.47	T		1.05
N	WASHGTN DULLES INTL AP	2.43		T	.23					T	.24				T	.10	.06	.01		.06	1.02	.57	.13	T	T	T		T	T				.01
N	WASHINGTON REAGAN AP	2.81			.02	T				.69	.26	.60			T	.08	.02	.02			.42	.19	.21		T	T		T		.27			.03
F	WILLIAMSBURG 2 N	5.4									1.1	.4				.4						1.4	.7			.6			.1		.7		
F	WILLIS	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	WISE 3E	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	WOOLWINE	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	WYTHEVILLE 1 S	5.1 P	P	.2	.9							1.6	.6	.1	.4						.1					.7				.2			.3

VIRGINIA

HOURLY PRECIPITATION

JULY 2012

STATION	DATE	A.M. HOUR ENDING												P.M. HOUR ENDING										TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
ALTAVISTA	5					.2	.1	.1				.2														.6
	8					.1	.1																.6			.8
	9																.4	1.1								1.5
	13																						.2			.2
	14				.1																					.1
	19								.1																	.1
	20								.1																	.1
	21													.2												.2
	25		.1	.2						.1																.4
	27													.1		.6										.7
	31																			.4						.4
BEDFORD 4 NW	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
BLACKSBURG NWSO	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
BREMO BLUFF	1	[m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	31	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	i]	I
CAMP PICKETT	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
CHATHAM	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
DANVILLE REGIONAL AP	2		.05	.11	.02	.01																				.19
	8																						.09	.14	.85	1.08
	9	T																	.47		T	T		.01		.48
	10										T	T						T								T
	11															T	T	.04	T	T						.04
	14		T	.02								.12	T	T	.01	.04	.01									.20
	15														.11	T										.11
	16																		T	T						T
	19																								T	T
	20																						T	T		T
	21																T	T		.03		.02	T	.01		.06
	23																T	T	.02	.02						.04
	27															.33	.01	.03	T							.37
GALAX WTP	1																								.2	.2
	2	.2	.1																							.3
	5												.3			.1										.4
	8									.1																.1
	10		.1	.1	.1	.1	.2																			.6
	11																.2	.1			.1					.4
	13																		.5							.5
	14								.1	.1						.1										.3
	15												.2													.2
	19																	.4		.3						.7
	20																			.2						.2
	24														.1	.1										.2
GATHRIGHT DAM	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
JOHN H KERR DAM	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
LYNCHBURG INTL AP	3																.02	1.32	T							1.34

VIRGINIA

HOURLY PRECIPITATION

JULY 2012

STATION	DATE	A.M. HOUR ENDING												P.M. HOUR ENDING											TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
	8																				T	.02	T	T		.02
	9															.04	.02	.05	T	T						.11
	10								T	.09	.01	T	T								.04					.14
	12	T	T					T																		T
	13																			T	T	.02	.06	.13	.01	.22
	14	T	T														.12					T	T			.12
	15															T							T	.02		.02
	19																					T				T
	20								T	T																T
	21						T																	T	T	T
	23													T	.01	T	T	.02								.03
	24														T	.01	T	T	T							.01
	27																.18	.12								.30
	28															T	.03									.03
	30															T	T									T
	31																							.01	.38	.39
MILLGAP	2										.1															.1
	13														.1											.1
	14															.1							.2			.3
	15																.5									.5
	16											.1														.1
	20												.1													.1
	21							.2					.2				.1	.6	.5							1.6
	24															.1										.1
	27															.2										.2
	30																					.6	.1			.7
	31																				.4	.3	.1	.1		.9
NORFOLK INTL AP	1								T																	T
	9															.77	T							.01	T	.78
	10	.04	T	T						T	T	T	T		.01	.13	.03									.21
	11	T	.19	.66	.18	.04		T	T	.01	T															1.08
	14														T	T	.03	.02								.05
	19																	T								T
	20																	T	.01	.01		T	.09	.02	.01	.14
	21					.03	.04						.01	.03		.03	.52	.01	.03	.04	.05						.79
	22										T	T														T
	24																	.04	.04	.01						.09
	27																			.80	.20		.04	.06	.05	1.15
	28	T																								T
	29	T																								T
	30																				T					T
	31											.02	.50	T												.52
PAINTER 2W	1								.1																	.1
	10								.1				.1													.2
	14								.1	.1						.7	1.6		.1							2.6
	15							.1																		.1
	17																		.1							.1
	19																							.2		.2
	20																							.3	.2	.5
	21	.1							.1			.1														.3
	22														.1											.1

VIRGINIA

HOURLY PRECIPITATION

JULY 2012

STATION	DATE	A.M. HOUR ENDING												P.M. HOUR ENDING											TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
	24																		.1							.1
	26																		.1							.1
	29													.1												.1
	31						.1		.1			.1														.3
PIEDMONT RSCH STN	14																					.1	.1			.2
	15																		.2	.1						.3
	20									.1																.1
	21	.1	.4		.1																					.6
	22								.1																	.1
	24															.7			.1							.8
	27																	.1	.1							.2
	31																		1.3	.1			.2	.5		2.1
PULASKI 2 E	2	.2																								.2
	10		.1	.2		.1	.4	.3	.3	.1																1.5
	13																		.1		.1					.2
	14																.2	.1								.3
	16																		.3							.3
	19																			.3	.1					.4
	23															.1		.2								.3
	24													.5		.1										.6
	26															.1										.1
	27															.2										.2
RICHMOND INTL AP	1				T																					T
	8																		T							T
	9	T																		T	.24	.22				.46
	10		.03	T	.96	.34	.03									T	T	T								1.36
	14							T	T			T	.50	.20	.01			.22	.03							.96
	15														.14	.05	.51	.01	T		.01	.01				.73
	18															T			T			T	T	.02	T	.02
	19	T																			.09					.09
	20													T								T	.36	.18		.54
	21		T	.01							.01	T			T			T	.08	.02	T	.01	.02	.02		.17
	22				T	.01																				.01
	23																			.01	T					.01
	24															T	.01	.07	.04	.02						.14
	27																		.04	.02						.06
	31		T														.70	.04								.74
ROANOKE INTL AP	1																								T	T
	2	.01	.03	T			T				T															.04
	3																T	T								T
	9													T	T		.54	.02	T	.02						.58
	10					T	T	.02	.02	.07	.02	T	T	T												.13
	11																T									T
	12						T	T															T	T		T
	13						T	T			T	T	T						T	T						T
	14																T	T	.18	.02	.01					.21
	15													.02		.01										.03
	16														T		.43									.43
	19																			.01	.19	T				.20
	20						T									T										T
	21											T	.05		.01	T	T		T		.02	T				.08

VIRGINIA

HOURLY PRECIPITATION

JULY 2012

STATION	DATE	A.M. HOUR ENDING												P.M. HOUR ENDING												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
	23											.08	T	.09			.02	T	T							.19
	24											T	T	.03	T		T	T								.03
	27															.69	T									.69
	30														.09	.03										.12
	31																				T	T		.17	.24	.41
ROCKY MT	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
STAFFORDSVILLE 3 ENE	1																								.7	.7
	2	.1	.1																							.2
	13									.1																.1
	14																		.1							.1
	20	.1								.1																.2
	24												.1	.2												.3
	27														.1	.1										.2
	31																					.3	.1			.4
TROUT DALE 3 SSE	2	.1		.1																						.2
	5														.1	.1										.2
	8							.1																		.1
	10			.1	.4	.4	.2	.2	.1								.1									1.5
	11	.1									.1	.1		.1		.1		.1								.6
	12																			.1						.1
	14															.2	.2	.1	.1	.2	.1					.9
	15																	.1	.1		.1	.1		.1		.5
	18															.1	.2	.1								.4
	19																			.2						.2
	24													.7	.1		.1	.1		.1						1.1
	25		.1		.1			.1																		.3
	31														.1											.1
WAKEFIELD 1NW	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
WALLOPS ISLAND NASA TEST	2								T																	T
	9				.01	.06	.36	.05									.49	T								.97
	10	T	T	.06	.02		T	T		T																.08
	14										T	.10				T	.05	.04	.01							.20
	15																		T	.01	.01					.02
	18																					.07	.01			.08
	19																	T							.08	.08
	20																							.06	.08	.14
	21	.05	T		T	.07	.05	.04				T												T		.21
	22									T	T															T
	24																		.09							.09
	27																				.05	.02				.07
	28																						T	.47	T	.47
	29																				T	T				T
	31				T	.97	.04	.04	T			T														1.05
WASHGTN DULLES INTL AP	2	T	T																							T
	3																				.06	.17				.23
	8															T	T	T	T							T
	9	.02	.08	.10	.01		.01	.01	.01	T																.24
	13				T																					T
	14				.06	.04	T		T	T										T	T	T				.10

VIRGINIA

HOURLY PRECIPITATION

JULY 2012

STATION	DATE	A.M. HOUR ENDING												P.M. HOUR ENDING										TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
	15																	T	T					T	.06	.06
	16	.01																								.01
	18																	.06								.06
	19																					.77	.09	.16		1.02
	20											T	T	T	T			T	T	T	.42	.02		.12	.01	.57
	21	.01	T	T	.02	.01	T		T	.01	T	.01	T	.01	T	.03	.01	T		T	.01	T			.01	.13
	22									T																T
	23			T										T												T
	24											T	T	T				T								T
	26																						T			T
	27																		T	T						T
	31																						T	T	.01	.01
WASHINGTON REAGAN AP	3																					.02	T			.02
	4								T																	T
	8																T	T						.10	.59	.69
	9	T	.03	.03	.15	T	.03	.02	T																	.26
	10																		T	T	.56	.04	T			.60
	13				T		T																			T
	14				T	.04												.01	.03							.08
	15																		.02	T					T	.02
	16	.01																.01								.02
	19																					T	.29	.06	.07	.42
	20	T										T	T	.10	T	T					.01	.07	.01		T	.19
	21	T	T	T	T	T	.01	T		T	.07	T	T	T	T	T	.01	.07	.04		T	.01	T			.21
	23														T											T
	24												T													T
	26																							T		T
	28																			.03	.24					.27
	31															.03	T		T	T	T					.03
WILLIAMSBURG 2 N	9																		.5		.1	.1	.3	.1		1.1
	10							.4																		.4
	14														.4											.4
	20																.1					.8	.2	.2	.1	1.4
	21																	.5		.1			.1			.7
	24																.3	.3								.6
	27																		.1							.1
	29	.4	.3																							.7
WILLIS	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
WISE 3E	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
WOOLWINE	1		{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
WYTHEVILLE 1 S	1																							.1q	.6q	P
	2	.2																								.2
	3																	.7	.2							.9
	10	.1	.6			.1	.2	.3	.1	.1		.1														1.6
	11													.2	.3	.1										.6
	12																				.1					.1
	13																			.4						.4
	19																			.1						.1

VIRGINIA

HOURLY PRECIPITATION

JULY 2012

STATION	DATE	A.M. HOUR ENDING												P.M. HOUR ENDING												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
	24												.2	.4	.1											.7
	28															.1	.1									.2
	31														.3											.3

VIRGINIA

MONTHLY PRECIPITATION MAXIMA

JULY 2012

STATION	MAXIMA FOR MEASURMENT									MAXIMUM ACCUMULATION
	MINUTES			HOURS						
	15	30	45	1	2	3	6	12	24	
ALTAVISTA	.7 09/1615	1.1 09/1630+	1.5 09/1630	1.5 09/1645+	1.5 09/1745+	1.5 09/1845+	1.5 09/2145+	1.5 10/0345+	2.1 09/2100+	
BEDFORD 4 NW										
BLACKSBURG NWSO										
BREMO BLUFF										
CAMP PICKETT										
CHATHAM										
DANVILLE REGIONAL AP				.85 08/2400	.99 08/2400	1.08 08/2400	1.08 09/0300+	1.08 09/0900+	1.55 09/2100+	
GALAX WTP	.3 19/1900+	.4 19/1645+	.5 13/1800	.5 13/1815+	.5 13/1915+	.7 19/1915+	.7 19/2215+	.7 20/0415+	.8 14/1715+	
GATHRIGHT DAM										
JOHN H KERR DAM										
LYNCHBURG INTL AP				1.32 03/1700	1.34 03/1700	1.34 03/1800+	1.34 03/2100+	1.34 04/0300+	1.34 04/1500+	
MILLGAP	.3 30/2100+	.6 30/2100+	.8 21/1715	1.0 21/1730	1.1 21/1830+	1.2 21/1800+	1.2 21/2100+	1.6 21/1815+	1.6 22/0615+	
NORFOLK INTL AP				.80 27/1900	1.00 27/2000	1.03 11/0400	1.15 27/2400	1.15 28/0600+	1.25 11/1300+	
PAINTER 2W	1.1 14/1530	1.6 14/1545	1.6 14/1600+	1.9 14/1545	2.3 14/1630+	2.4 14/1730+	2.4 14/2030+	2.6 14/1915+	2.7 15/0715+	
PIEDMONT RSCH STN	1.0 31/1800	1.3 31/1800	1.4 31/1815	1.4 31/1830+	1.4 31/1930+	1.4 31/2030+	2.1 31/2330+	2.1 31/2400+	2.1 31/2400+	
PULASKI 2 E	.3 24/1230+	.4 24/1245+	.5 24/1245	.5 24/1300+	.7 10/0730+	1.0 10/0800+	1.3 10/0830+	1.5 10/1300+	1.5 11/0100+	
RICHMOND INTL AP				.96 10/0400	1.30 10/0500	1.33 10/0600	1.36 10/0700+	1.82 10/0700+	1.82 10/1900+	
ROANOKE INTL AP				.69 27/1500	.69 27/1600+	.69 27/1700+	.69 27/2000+	.69 28/0200+	.71 10/1500+	
ROCKY MT										
STAFFORDSVILLE 3 ENE	.5 01/2315	.6 01/2330	.6 01/2345+	.7 01/2400	.8 02/0100+	.9 02/0200+	.9 02/0500+	.9 02/1100+	.9 02/2300+	
TROUT DALE 3 SSE	.3 24/1230	.5 24/1245	.6 24/1300+	.7 24/1300	.8 24/1400+	1.1 10/0615+	1.4 10/0845+	1.4 10/1515+	1.6 11/0245+	
WAKEFIELD 1NW										
WALLOPS ISLAND NASA TEST				.97 31/0500	1.01 31/0600	1.05 31/0700	1.05 31/1000+	1.05 31/1600+	1.05 31/2400+	
WASHGTN DULLES INTL AP				.77 19/2100	.86 19/2200	1.02 19/2300	1.02 20/0200+	1.02 20/0800+	1.44 20/2000	
WASHINGTON REAGAN AP				.59 08/2400	.69 08/2400	.69 09/0100+	.90 09/0400	.95 09/1000+	.95 09/2200+	
WILLIAMSBURG 2 N	.5 09/1730	.6 20/2100	.7 20/2115+	.8 20/2115+	1.0 20/2215+	1.2 20/2300+	1.3 21/0200+	1.4 21/0345+	1.9 21/2000+	
WILLIS										
WISE 3E										
WOOLWINE										
WYTHEVILLE 1 S	.6 03/1700	.7 03/1715+	.8 03/1730+	.9 03/1730	.9 03/1830+	.9 03/1930+	1.2 10/0730+	1.6 10/1245+	1.6 11/0045+	

REFERENCE NOTES

Hourly Precipitation Data (HPD) are obtained from recording rain gages. The rain gage may be located at a National Weather Service, Federal Aviation Administration, or Cooperative Observer Station. HPD time resolution is 15 minutes or 1 hour. Published data are displayed at an hourly resolution. Precipitation values in this bulletin are in inches. Times are local standard.

Standard rain gage types:

F Weighing gage : reported in inches to tenths
T Tipping bucket : reported in inches to hundredths
U Weighing gage : reported in inches to hundredths
N Not specified

HPD maxima cover 9 time periods from 15 minutes to 24 hours and do not necessarily end on whole hours. Stations that report hourly data only will not have maxima computed for periods less than 1 hour. If any data are missing, no maxima are computed. MAXIMUM ACCUMULATION is the largest accumulated precipitation amount from times with unknown data distribution during a month. Clock mechanisms sometimes stick or stop; some of the special symbols in the HPD section are used when such "signatures" are found in the data.

Information contained in the station name:

// Rain gage equipped with a wind shield.

Inactive station. Symbol found by station name in the Station Index.

$ Experimental rain gage or unusual measurement procedure which may have some effect on HPD.
Common types are:

$1 rain gage with a heated orifice
$2 rain gage with an automatic siphon
$3 rain gage with a remote orifice and funnel

8 SW or other numbers and letters following the name, indicate the distance in miles, and the direction, from the nearest post office.

Special symbols in the HPD:

a Begin accumulation sometime within the hour period or day period.

A End accumulation during the day or hour. Will follow the distribution amount.

***** Temporal distribution unknown. First HPD value that follows is the total accumulated amount.

E Estimated monthly total by spatial modelling.

i Incomplete hourly total. One (1) or more 15 minute periods are missing.

I Incomplete daily or incomplete monthly total. One (1) or more periods are missing.

P Daily or monthly total excludes highly suspect data value(s).

q Hourly total excludes one (1) or more questionable 15 minute periods.

Q Questionable 15 minute data. Seen in Maxima tables.

R Time of occurrence is suspect. Amount is included in daily total.

T Trace amounts are included only for Federally funded meteorological observing sites.

X Value greater than 9.99 - refer to Hourly Precipitation Section for daily total.

Z Probable melting frozen precipitation included in total.

[Begin missing period during the hour (inclusive) or day.

] End missing period during the hour (inclusive) or day.

{ Begin delete period during the hour (inclusive) or day.

} End delete period during the hour (inclusive) or day.

m Data missing for part or all of the period.

- Data deleted for part or all of the period.

+ Duplicate maxima for same time period; latest is shown.

NOTE: Missing (m) flag in the MONTHLY PRECIPITATION TOTALS page represents missing and/or deleted data for part or all of period.

NOTE: Only the first and last rows of long groups of missing (m), deleted (-), and accumulated (*) data are shown.

NOTE: The special symbols in the HPD appear as a suffix to type "F" values, or directly below type "T" and type "U" gage values.

NOTE: TIPPING BUCKET precipitation gages become increasingly inaccurate with increasing rainfall intensities. TIPPING BUCKET gages also may NOT correctly report the amount or time distribution during frozen or freezing precipitation events (i.e. snow, hail, sleet, or freezing rain).

NOTE: Users of data from this publication may notice that daily totals may differ from those listed in the CLIMATOLOGICAL DATA (CD) publication. There are two primary reasons for the differences. The first is because the precipitation values are measured by two different gage types. The second reason is that the totals may be measured at different times. Most manual measurements are made at or near 8 AM or 5 PM local time while the daily totals from the hourly precipitation gages are computed on a midnight (calendar day) basis.

The data presented are also available in digital form from our web page at http://www.ncdc.noaa.gov in PDF files and ASCII text format.

STATION INDEX

VIRGINIA **JULY 2012**

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation Ft.	Years Of
ALTAVISTA	0166	CAMPBELL	15	37 07	79 17	529	66
BEDFORD 4 NW	0561	BEDFORD		37 23	79 34	1228	17
BLACKSBURG NWSO	0766	MONTGOMERY		37 12	80 25	2100	8
BREMO BLUFF	0993	FLUVANNA	9	37 43	78 17	225	26
CAMP PICKETT	1322	NOTTOWAY	12	37 02	77 57	330	59
CHATHAM	1614	PITTSYLVANIA	7	36 49	79 25	651	88
DANVILLE REGIONAL AP	2250	PITTSYLVANIA		36 34	79 20	571	9
GALAX WTP	3272	CARROLL	11	36 39	80 55	2360	53
GATHRIGHT DAM	3310	ALLEGHANY	9	37 57	79 57	1770	32
JOHN H KERR DAM	4414	MECKLENBURG	15	36 36	78 18	250	63
LYNCHBURG INTL AP	5120	CAMPBELL	9	37 19	79 12	940	140
MILLGAP	5595	HIGHLAND	9	38 18	79 43	2421	36
NORFOLK INTL AP	6139	NORFOLK (CIT	5	36 54	76 12	30	66
PAINTER 2W	6475	ACCOMACK	5	37 35	75 49	30	56
PIEDMONT RSCH STN	6712	ORANGE	17	38 14	78 07	520	61
PULASKI 2 E	6955	PULASKI	11	37 03	80 47	1850	70
RICHMOND INTL AP	7201	HENRICO	9	37 30	77 19	164	74
ROANOKE INTL AP	7285	ROANOKE	15	37 19	79 58	1175	79
ROCKY MT	7338	FRANKLIN	15	36 59	79 54	1315	43
STAFFORDSVILLE 3 ENE	8022	GILES	11	37 16	80 43	1950	17
TROUT DALE 3 SSE	8547	GRAYSON	11	36 39	81 24	2839	76
WAKEFIELD 1NW	8800	SUSSEX	4	36 59	77 00	113	39
WALLOPS ISLAND NASA TEST	8849	ACCOMACK		37 56	75 28	46	15
WASHGTN DULLES INTL AP	8903	LOUDOUN		38 56	77 28	290	13
WASHINGTON REAGAN AP	8906	ARLINGTON	13	38 51	77 02	10	71
WILLIAMSBURG 2 N	9151	YORK	9	37 18	76 42	70	66
WILLIS	9169	FLOYD	11	36 55	80 30	2810	16
WISE 3E	9215	WISE	6	37 00	82 32	2549	57
WOOLWINE	9272	PATRICK	7	36 47	80 17	1500	61
WYTHEVILLE 1 S	9301	WYTHE	11	36 56	81 06	2450	138

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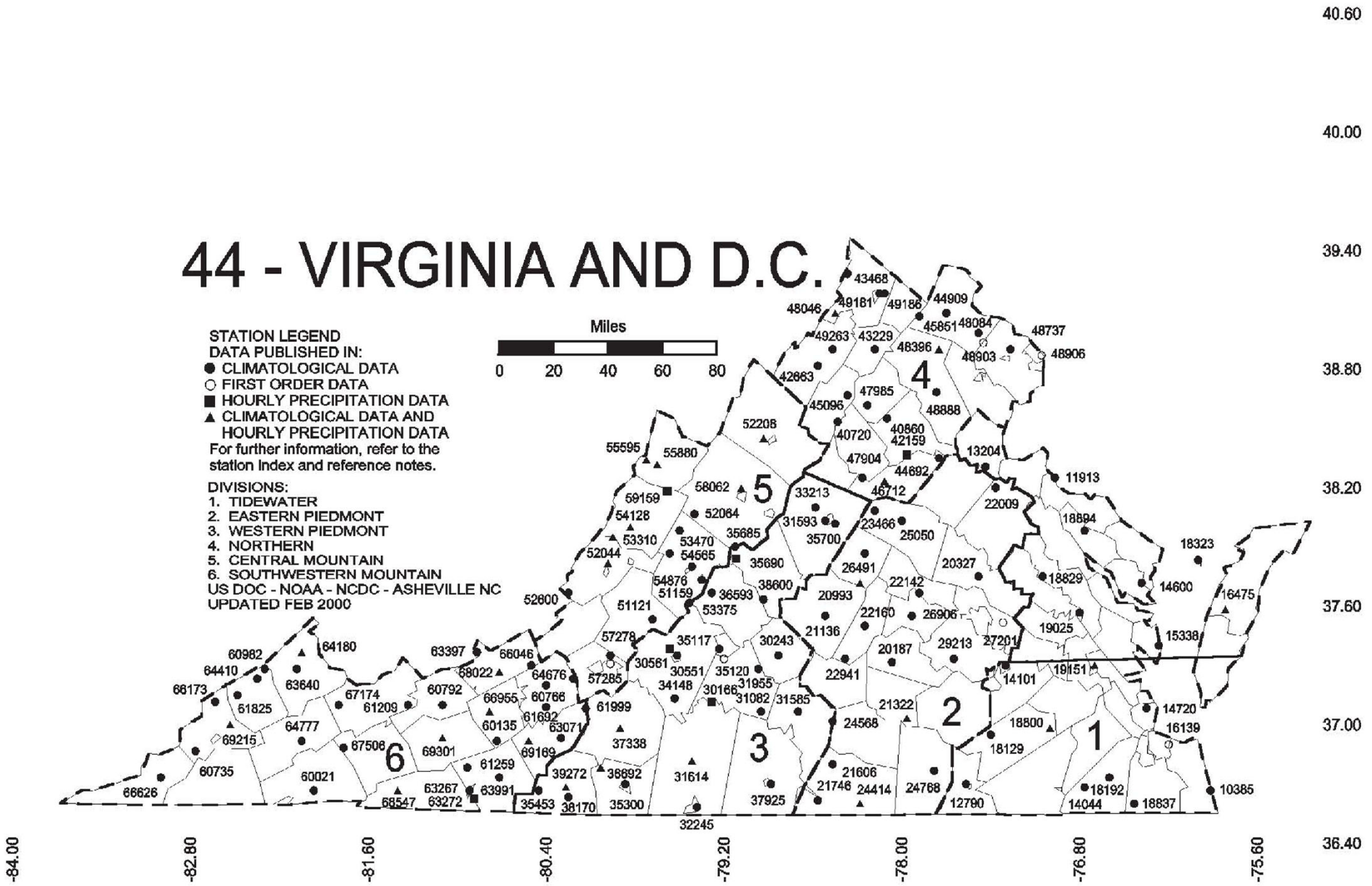

These and other publications are available from the National Climatic Data Center

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

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

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

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

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

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

For Information Call:

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(828) 271-4010 (TDD)
(304) 726-4409 (Fax)

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NOAA\National Climatic Data Center
Attn: User Engagement & Services Branch
151 Patton Avenue
Asheville, NC 28801-5001

Customer Services Number: (828) 271-4800, option 2
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