



HOURLY PRECIPITATION DATA

VIRGINIA

NOVEMBER 2012

VOLUME 62 NUMBER 11

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

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

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

DAILY PRECIPITATION TOTALS

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	.4 I			I	m							.1	.1																			.2	
F	BEDFORD 4 NW	.47E			I	m							.2	.1																				
F	BLACKSBURG NWSO	.8				.1							.6	.1																				
F	CAMP PICKETT	.0 P	P	-	-	-	-	-	-	-	-	-	-	-																				
F	CHATHAM	.3				.1																												
N	DANVILLE REGIONAL AP	.48		T	.10	.03						.05	.16																					
F	GALAX WTP	.6										.4	.2																					
F	GATHRIGHT DAM	.5									.1	.3	.1																					
F	JOHN H KERR DAM	.8							.1				.3			.1																		
N	LYNCHBURG INTL AP	.61	T		.06	.10						.13	.26											T								.1	.2	
F	MILLGAP	.0 P	P	-	-	-	-	-	-	-	-	-	-																					
T	NORFOLK INTL AP	.94				T		.19	.23	T			.34	.09	.01			.01																.07
F	PIEDMONT RSCH STN	.0 P	P	-	-	-	-	-	-	-	-	-	-																					
F	PULASKI 2 E	1.30E			.5	.1						.6	.1																					
N	RICHMOND INTL AP	.27	T			T		.03	T				.12			T																	.1	m
N	ROANOKE INTL AP	.61		T	.09	.05						.28	.13																					.06
F	ROCKY MT	.7			.2	.1						.2	.2																					
F	STAFFORDSVILLE 3 ENE	.6			.2							.4																						
F	TROUT DALE 3 SSE	.55E	I	m	m	m						.2																						
N	WALLOPS ISLAND NASA TEST	.56						.37	T				.12			T								T									.07	
N	WASHGTN DULLES INTL AP	1.12	T								.19	.87																					.06	
N	WASHINGTON REAGAN AP	.60	T					.02	.01			.01	.50																				.06	
F	WILLIAMSBURG 2 N	.4						.1					.1	.1			.1																.1	
F	WILLIS	.9			.2							.6	.1																					
F	WISE 3E	.0 P	P	-	-	-	-	-	-	-	-	-	-																					
F	WOOLWINE	.8			.2	.1						.4	.1																					
F	WYTHEVILLE 1 S	.5				.1						.3	.1																					

HOURLY PRECIPITATION

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	3		[	m	m		m	m	m		m	m	m		m	m	m		m	m	m		m	m	m	I
	4	m		m	m		m	m	m		m	m	m		m	m	m		m	m	m		m	m	m]	m	
	12																									.1	
	13							.1																		.1	
	27				.1																					.1	
BEDFORD 4 NW	3		[	m	m		m	m	m		m	m	m		m	m	m		m	m	m		m	m	m	I
	4	m		m	m		m	m	m		m	m	m		m	m	m		m	m	m		m	m	m]	m	
	12																					.1	.1			.2	
BLACKSBURG NWSO	4	.1			.1																				.1		
	12											.1							.1	.2	.2					.6	
CAMP PICKETT	1		{	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	P	
	30	-		-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	- }	-	
CHATHAM	4			.1																						.1	
	25																				.1					.1	
DANVILLE REGIONAL AP	27													.1												.1	
	2											T														T	
	3																							T	.10	.10	
	4	.01	.01	T			T	.01	T						.04	.01	T									.03	
	12		.01	.01	T	T	.03	.03	.04	.04	T	T														.05	
GALAX WTP	13		.01	.01	T	T	.03	.03	.04	.04	T	T													.16		
	27				.01		T	.01	T					.01	.02	.03	.02	.04	T						.14		
	12		.1	.1																.1			.3		.4		
GATHRIGHT DAM	13	.1																							.2		
	11																							.1	.1		
JOHN H KERR DAM	12																			.2					.3		
	13			.1			.1																		.1		
	8				.1		.1																		.1		
LYNCHBURG INTL AP	13				.1							.1				.1				.1					.3		
	15																			.1					.1		
	26																				.1				.1		
	27																				.1				.1		
	1				T					T	T							.1							.2		
MILLGAP	3																							T	T		
	4	T	.03	.04	.03	T																	T	.05	.01	T	
	12																									.06	
	13	.19	.01	T	T		T	.05	.01		T												T	T	.05	.01	.10
	23																									.13	
NORFOLK INTL AP	27			T	T	.01	.02	.01	T	T		.01	.01	T		T									T		
	1		{	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	P	
	30	-		-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	- }	-	
MILLGAP	4										T	T													T		
	6													.01											.06		
	7	.02	.04	.05		T	T	T	.03	.03	T														.02	.10	.06
	8					T	T																			.19	
	13					T																				.23	
	15								.03	.02	.06	.01	T	T	.02	T		.01	.03	.06	.10	T			.34		
	16	.01																						T		.09	
	18																									.01	
27																									.01		
MILLGAP	27																									.01	
	6																									.07	
	7																									.07	

HOURLY PRECIPITATION

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	
PIEDMONT RSCH STN PULASKI 2 E	1		{	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3																								-	
	4	.1																					.1		.1	
RICHMOND INTL AP	12															.1				.1	.1	.1	.2		.6	
	13	.1																							.1	
	27		[	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	l
	28	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
	1																								m	
	4																								T	
	7																								T	
	8																								T	
	13																								T	
	15																								T	
ROANOKE INTL AP	27																								T	
	2																								T	
	3																								T	
	4	T	.04	.01	T																				T	
ROCKY MT	12																								T	
	13	T	.02	.10	.01	T	T																		T	
	27																								T	
	3																								T	
STAFFORDSVILLE 3 ENE	3																								T	
	12																								T	
	13																								T	
TROUT DALE 3 SSE	1																								T	
	4	m	[	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	l
	12																								m	
WALLOPS ISLAND NASA TEST	7	T	.02	.02	.10	.12	.06	.02	.01																T	
	8																								T	
	13																								T	
	16																								T	
	23																								T	
WASHINGTON REAGAN AP	1																								T	
	7																								T	
	12	.30	.11	.06	.04	.06	.10	.12	.06	.02	T														T	
WILLISBURG 2 N	13																								T	
	27																								T	
	7	.01	T	T																					T	
	12																								T	
	13	.08	.17	.02	.01		.04	.03	.05	.06	.03	.01													T	
WILLIS	27																								T	
	7																								T	
	13																								T	
	15																								T	
WILLIS	27																								T	
	4	.2																							T	

HOURLY PRECIPITATION

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	
WISE 3E	12																		.1		.1	.1	.2	.1	.6	
	13		.1																						.1	
	1		{-	-																					P	
WOOLWINE	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3																						.1	.1	.2	
	4			.1																					.1	
WYTHEVILLE 1 S	12																			.1	.1			.2	.4	
	13			.1																					.1	
	4	.1																							.1	
	12																			.2		.1			.3	
	13	.1																						.1		

MONTHLY PRECIPITATION MAXIMA

STATION	MAXIMA FOR MEASUREMENT									MAXIMUM ACCUMULATION
	MINUTES			HOURS						
	15	30	45	1	2	3	6	12	24	
ALTAVISTA										
BEDFORD 4 NW										
BLACKSBURG NWSO	.1 13/0115+	.2 12/2100+	.2 12/2115+	.3 12/1945	.4 12/2115+	.5 12/2145+	.5 13/0115+	.6 13/0645+	.7 13/1115+	
CAMP PICKETT										
CHATHAM	.1 27/1345+	.1 27/1400+	.1 27/1415+	.1 27/1430+	.1 27/1530+	.1 27/1630+	.1 27/1930+	.1 28/0130+	.1 28/1330+	
DANVILLE REGIONAL AP				.10 03/2400	.11 04/0100	.12 04/0200	.14 13/1100+	.16 13/1300+	.21 13/1200+	
GALAX WTP	.2 12/2230	.3 12/2230	.3 12/2245+	.3 12/2300+	.3 12/2400+	.4 13/0100+	.5 13/0400+	.6 13/0615+	.6 13/1815+	
GATHRIGHT DAM	.1 13/0215+	.2 12/2045	.2 12/2100+	.2 12/2115+	.3 12/2215+	.3 12/2315+	.4 13/0215	.4 13/0815+	.4 13/2015+	
JOHN H KERR DAM	.1 27/1730+	.1 27/1745+	.1 27/1800+	.1 27/1815+	.1 27/1915+	.1 27/2015+	.2 27/2015+	.3 13/1530+	.3 27/2030+	
LYNCHBURG INTL AP				.19 13/0100	.29 13/0100	.32 13/0100	.33 13/0400+	.39 13/1000+	.39 13/2200+	
MILLGAP										
NORFOLK INTL AP				.10 13/2000+	.16 13/2000+	.19 13/2000	.29 07/0300	.35 07/0900	.37 07/2200	
PIEDMONT RSCH STN										
PULASKI 2 E										
RICHMOND INTL AP				.07 27/1700	.11 27/1700	.11 27/1800+	.11 27/2100+	.12 27/1700+	.12 28/0500+	
ROANOKE INTL AP				.22 12/2200	.26 12/2200	.26 12/2300+	.35 13/0300	.41 13/0600+	.41 13/1800+	
ROCKY MT	.1 13/0615+	.1 13/0630+	.1 13/0645+	.2 03/2300	.2 13/0015+	.2 13/0230+	.3 13/0415+	.4 13/1015+	.4 13/2215+	
STAFFORDSVILLE 3 ENE	.1 12/2400+	.1 13/0015+	.2 12/2115	.2 12/2130+	.2 12/2230+	.3 12/2200+	.4 13/0100+	.4 13/0700+	.4 13/1900+	
TROUT DALE 3 SSE										
WALLOPS ISLAND NASA TEST				.12 07/0500	.22 07/0500	.28 07/0600	.34 07/0700	.35 07/1300+	.37 08/0100+	
WASHGTON DULLES INTL AP				.30 13/0100	.49 13/0100	.60 13/0200	.76 13/0500	1.06 13/1100+	1.06 13/2300+	
WASHINGTON REAGAN AP				.17 13/0200	.25 13/0200	.27 13/0300	.32 13/0600	.50 13/1200+	.51 13/2100+	
WILLIAMSBURG 2 N	.1 27/1645+	.1 27/1700+	.1 27/1715+	.1 27/1730+	.1 27/1830+	.1 27/1930+	.1 27/2230+	.1 28/0430+	.1 28/1630+	
WILLIS	.1 13/0200+	.1 13/0215+	.2 12/2300+	.2 12/2345+	.4 12/2345	.4 13/0045+	.6 13/0230+	.7 13/0645+	.7 13/1845+	
WISE 3E										
WOOLWINE	.2 12/2330	.2 12/2345+	.2 12/2400+	.2 13/0015+	.2 13/0115+	.3 13/0215+	.4 13/0230+	.5 13/0700+	.5 13/1900+	
WYTHEVILLE 1 S	.1 13/0015+	.2 12/2100	.2 12/2130+	.3 12/2130	.3 12/2230+	.3 12/2330+	.4 13/0230+	.4 13/0830+	.4 13/2030+	

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 contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Climatic Data Center and NOAA.

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

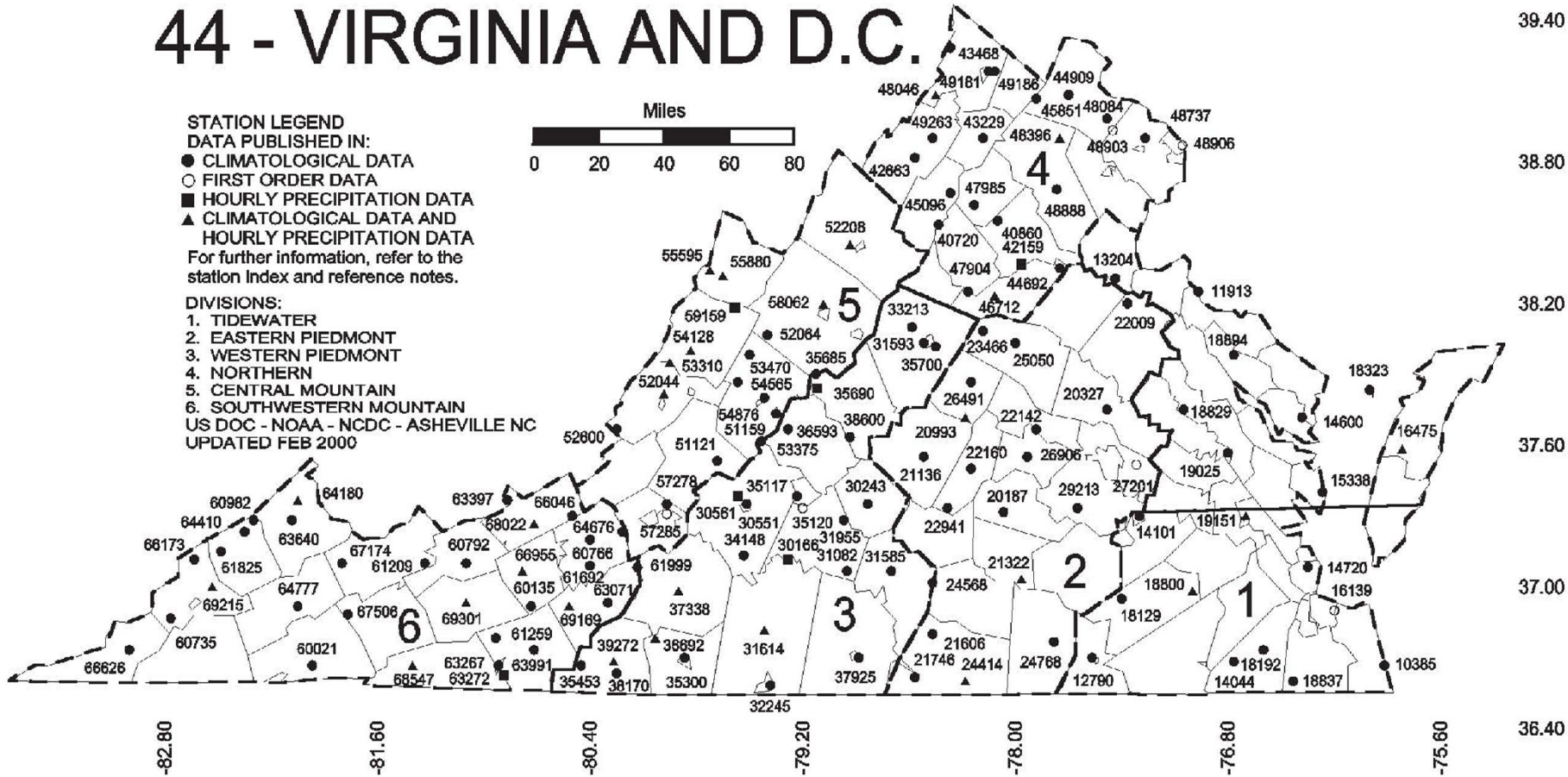
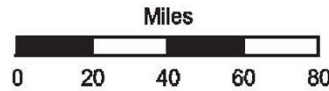
NOVEMBER 2012

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
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
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
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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STATION LEGEND
DATA PUBLISHED IN:
 ● CLIMATOLOGICAL DATA
 ○ FIRST ORDER DATA
 ■ HOURLY PRECIPITATION DATA
 ▲ CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA
 For further information, refer to the station index and reference notes.

DIVISIONS:
 1. TIDEWATER
 2. EASTERN PIEDMONT
 3. WESTERN PIEDMONT
 4. NORTHERN
 5. CENTRAL MOUNTAIN
 6. SOUTHWESTERN MOUNTAIN
 US DOC - NOAA - NCDC - ASHEVILLE NC
 UPDATED FEB 2000



To change your address, please return a copy of your mailing address along with your new address to:

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
TDD: (828) 271-4010
Fax number: (828) 271-4876

Inquiries/Comments Call: (828) 271-4800, option 2 (Customer Services)
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(828) 271-4876 (Fax)

NOAA\National Climatic Data Center
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