

		TEMPERATURE				TEMPERATURE				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD	
May 2013	Week Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	15 Min.	NEW	GROUND	START	END
May-01	Wed	70	13:40	52	23:35	18	61.0	1.0	61	1	2	0.01	0.01	0.01			0001	0045
May-02	Thu	68	17:03	50	23:57	18	59.0	-2.0	61	2	1							
May-03	Fri	70	14:39	45	4:23	25	57.5	-1.5	59	1	1							
May-04	Sat	66	16:35	42	5:44	24	54.0	-3.5	59	2	2							
May-05	Sun	64	15:30	43	4:05	21	53.5	-0.5	59	2	2							
May-06	Mon	68	17:55	53	5:00	15	60.5	7.0	60	2	2	0.17	0.10	0.03			0415	0440
May-07	Tue	74	16:40	56	23:18	18	65.0	4.5	61	2	2	2.39	1.37	0.67			0001	0645
May-08	Wed	68	13:01	55	6:01	13	61.5	-3.5	60	2	2	0.13	- - -	0.01			0315	0715
May-09	Thu	79	16:11	53	7:18	26	66.0	4.5	61	1	0	T	T	T			1105	1115
May-10	Fri	86	14:29	55	6:04	31	70.5	4.5	63	0	0							
May-11	Sat	81	12:30	61	23:38	20	71.0	0.5	66	2	2	0.38	0.37	0.27			0044	0415
May-12	Sun	71	14:43	47	23:57	24	59.0	-12.0	66	1	1	0.01	0.01	0.01			0010	0030
May-13	Mon	63	12:05	39	6:05	24	51.0	-8.0	64	1	1	T	T	T			1604	1608
May-14	Tue	69	16:58	36	6:06	33	52.5	1.5	61	0	0							
May-15	Wed	87	16:54	57	6:11	30	72.0	19.5	63	1	0	T	T	T			0919	0925
May-16	Thu	88	13:04	65	22:46	23	76.5	4.5	66	0	2	0.28	0.27	0.14			1643	1805
May-17	Fri	84	17:10	62	5:36	22	73.0	-3.5	67	2	2	T	T	T			2345	2400
May-18	Sat	68	0:01	60	3:47	8	64.0	-9.0	67	2	2	0.78	0.27	0.17			0001	0920
May-19	Sun	76	16:31	62	0:01	14	69.0	5.0	67	2	2	0.01	0.01	T			0548	0552
May-20	Mon	84	15:20	65	3:30	19	74.5	5.5	67	2	1	0.11	0.11	0.05			0415	0515
May-21	Tue	81	17:04	68	1:44	13	74.5	0.0	69	2	2							
May-22	Wed	85	14:35	70	4:31	15	77.5	3.0	70	2	0							
May-23	Thu	83	14:10	67	23:59	16	75.0	-2.5	71	1	2	0.52	0.18	0.16			0018	0140
May-24	Fri	67	0:01	47	23:56	20	57.0	-18.0	71	2	1	0.06	0.04	0.03			0715	0745
May-25	Sat	71	17:09	40	6:02	31	55.5	-1.5	67	1	0							
May-26	Sun	75	16:26	43	6:15	32	59.0	3.5	65	0	0							
May-27	Mon	77	15:21	47	5:29	30	62.0	3.0	66	0	2	T	T	T			1745	1855
May-28	Tue	86	16:47	58	2:25	28	72.0	10.0	67	1	1	T	T	T			1128	1130
May-29	Wed	88	15:10	69	6:17	19	78.5	6.5	69	0	0							
May-30	Thu	89	15:47	67	5:59	22	78.0	-0.5	71	0	0							
May-31	Fri	89	15:51	66	2:58	23	77.5	-0.5	72	0	0							

TOTAL		2375		1700		675.0	2037.5	17.5	2016	37	35	4.85	2.74	1.55	0.00	0.00	Col.26-27	
NUM		31	31	31	31	31	31		31	31	31	12	11	11	0	0	DAILY AVE RH	
AVE.		76.61	14:29	54.84	9:41	21.77	65.73		65.03	1.19	1.13	Ave. Tot.	Ave.Max	Ave.Max			69.4	Percent
Normals		79.25		58.97		20.28	69.11		67.18	1.06	1.15	3.98	0.69	0.00			71.7	Percent
Departures		-2.64		-4.13		1.49	-3.38		-2.14	0.13	-0.02	0.87	0.68	0.67			-2.3	Percent

MAX. DATES	Dates	89		70		33	78.5	19.5	72.0	Whole Day		2.39	1.37	0.67			Precip	24 Hr.
	1	May-30		May-22		May-14	May-29	May-15	May-31	AVE.	1.16	May-07	May-07	May-07			Amount	2.43
	2	May-31								Normal	1.23						Date	May-06
	3									Depart	-0.06						Date	May-07

MIN. DATES	Dates	63		36		8	51.0	-18.0	59.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES
	1	May-13		May-14		May-18	May-13	May-24	May-03	CLEAR	8	10	8	DAYS	1	DAYS	1	DAYS
	2								May-04	P.CLO.	9	7	HOTTEST	78.5	Highest	Lowest	COOLEST	51.0
	3								May-05	CLO.	14	14	DAY	5-29	Mean	Mean	DAY	5-13

<=32 °F	0	<=32 °F	0	MAX.	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35
>=90°F	0	>=70 °F	1		0	0	8	13	17	22	29	31	31	31	31	31	31

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
May 2013	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE							
May-01			93.6	18	1213	96	37	30.39	30.22	30.31	0.17							R
May-02			57.2	14	1517	95	52	30.40	30.30	30.35	0.05							4
May-03			62.5	17	1330	98	38	30.33	30.26	30.30	-0.05							5
May-04			72.8	16	1613	96	53	30.30	30.15	30.23	-0.07							4
May-05			87.6	17	1029	90	55	30.19	30.11	30.15	-0.08							1
May-06	1330	1335	91.1	18	1756	96	65	30.13	29.94	30.04	-0.11							R
May-07	0730	0805	59.6	22	1739	98	50	29.97	29.83	29.90	-0.14					4		R
May-08	1100	1135	25.4	18	1336	98	61	30.00	29.92	29.96	0.06							R
May-09			35.5	14	1541	100	45	30.03	29.94	29.99	0.02				3			5
May-10			69.2	22	1527	97	38	30.03	29.90	29.97	-0.02							4
May-11	2205	2335	105.9	27	1251	94	52	29.94	29.74	29.84	-0.13					2		R
May-12	0215	0230	36.8	17	1509	97	30	30.04	29.75	29.90	0.05							R
May-13	1930	1935	31.1	16	1711	95	28	30.17	30.04	30.11	0.21							3
May-14			39.8	16	1244	92	28	30.22	30.04	30.13	0.02							4
May-15			152.6	28	1602	64	40	30.06	29.77	29.92	-0.22							1
May-16			42.2	24	1643	96	36	29.95	29.81	29.88	-0.04					2		2
May-17			38.4	15	2250	97	35	30.16	29.93	30.05	0.17							R
May-18	1115	1300	33.4	12	2016	97	62	30.21	30.12	30.17	0.12					1		R
May-19	1730	1735	19.3	16	2008	99	70	30.19	30.09	30.14	-0.02				3			R
May-20	1845	1915	67.5	18	0931	97	56	30.12	30.01	30.07	-0.07							R
May-21			77.1	14	0947	94	65	30.03	29.91	29.97	-0.10							2
May-22			145.4	22	1352	93	60	29.99	29.87	29.93	-0.04							1
May-23	1530	1540	79.9	23	0103	96	57	29.94	29.79	29.87	-0.06					1		R
May-24	0845	1050	81.4	26	1754	96	47	30.17	29.77	29.97	0.10							R
May-25			62.8	19	1724	79	26	30.24	30.10	30.17	0.20							3
May-26			33.7	18	1601	89	26	30.25	30.14	30.20	0.02							4
May-27			23.3	13	1155	88	34	30.28	30.17	30.23	0.03							4
May-28			115.3	24	0822	85	50	30.20	30.09	30.15	-0.08							1
May-29			138.6	22	0221	82	47	30.17	30.11	30.14	0.00							
May-30			93.7	18	1221	89	45	30.22	30.14	30.18	0.04							
May-31			91.9	21	1402	90	42	30.19	30.07	30.13	-0.05							3
TOTAL	Column 23		2164.6	585		2873	1430	934.51	930.03	932.27	0.00	0	0	0	2	5	17	1
Number	Mar. Wind Run		31	31	31	31	31	31	31	31	31							
AVE.	Total		2164.6	69.8	18.9	92.7	46.1	30.15	30.00	30.07								
Normals	Miles		1398.4	51.3	18.7	85.2	42.9	30.07	29.93	30.00								
Departures	Miles		766.2	18.5	0.2	7.5	3.2	0.08	0.07	0.07								
MAXIMUM DATES	Dates		152.6	28	1602	100	70	30.40	30.30	30.35	0.21							
	1		May-15	May-15		May-09	May-19	May-02	May-02	May-02	May-13	5. Very Heavy 4. Heavy or Unusual 3. Moderate or Ave. 2. Light or less than Average						
	2																	
	3																	
	4																	
MINIMUM DATES	Dates		19.3	12		64	26	29.94	29.74	29.84	-0.22	1. Very Light - Slight - Trace M - Event with intensity missing R - Rain hindering Dew Observation						
	1		May-19	May-18		May-15	May-25	May-11	May-11	May-11	May-15							
	2						May-26											
MINIMUM	<=80	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=32	<=30	<=25					
	31	31	31	25	20	16	11	7	3	0	0	0	0					

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REMARKS FOR THE MONTH

May - 2013

May
2013

May-01	AM WAS CLEAR FROM 1000-NOON-EST. 55-60% CLEAR -PM PARTLY CLOUDY 1215-1330 THEN CLOUDY TO SUNSET
May-02	SKY CLEARED AT 1415 AND WAS CLEAR TO 1700-AM 100% CLOUDY, PM ABOUT 45-50% CLOUDY
May-03	VERY HEAVY DEW AND CUMULUS CLOUDS TO 1130 THEN MAINLY CIRRUS TO SUNSET THEN CLEARING-FURNACE CUT ON DURING MORNING
May-04	CLOUDY ALL DAY UNTIL 1530 WHEN IT BECAME PC-PM EST. OF ABOUT 70-75% CLOUDY
May-05	SOME BREAKS IN CLOUDS AT TIMES BUT 75-80% CLOUDY TODAY
May-06	3RD PD. OF PRECIP. 1815-2115, 4TH PD. 2200-2300, 5TH PD. 2330-2400-VERY LITTLE RAIN UNTIL AFTER 1830
May-07	THUNDERSTORM RATED 4 DUE TO HAIL-PEA SIZE HAIL 3/8 INCH FROM 1742-1748-2ND ROUND OF HAIL 1/2 INCH IN DIA. FROM 1757-1804-SEE NOTES BELOW
May-08	3RD PD. OF RAIN 1415-1700, 4TH PD. 1815-2015-BUT ONLY LIGHT RAIN TODAY
May-09	EARLY AM FOG BUT PM WAS CLEAREST PERIOD OF MONTH SO FAR
May-10	WARMEST DAY SINCE APR. 11TH WHEN IT WAS ALSO 86 °F -MOSTLY CLEAR DAY BUT A FEW CIRRUS CLOUDS
May-11	AM SUNLIGHT THROUGH A COMPLETE THIN OVERCAST UNTIL 1145-PM WAS ABOUT 60-70% CLOUDY
May-12	3RD PD. OF RAIN 0300-0330 BUT MAIN PD. OF PRECIP. WAS THE 4TH PD. 0500-0515
May-13	VIRGA SEEN IN AFTERNOON-VERY LIGHT PRECIP. ONLY REGISTERED 4 OF 15 ON PRECIP. SENSOR
May-14	VERY LIGHT PATCHY FROST ON SOUTH END OF BACKYARD ALSO LIGHT FROST SEEN ON ROOFS BUT ONLY DEW ON SKY MIRROR-AIRPORT HAD 41 °F MIN.
May-15	CLEARING AT 1130-PC FROM 0945-HIGHEST WIND RUN SINCE APR. 19 WHEN IT WAS 177.8 MILES
May-16	CLOUDS CAME IN AT 1345-THUNDERSTORM CAME FROM CHARLOTTESVILLE DOWN 64 TO GLEN ALLEN
May-17	CLOUDY ALL DAY-PLANTED TOMATOES IN SHENANDOAH VALLEY
May-18	3RD PD. OF PRECIP. 1400-1505-THUNDERSTORM BETWEEN 0400 AND 0500.
May-19	3RD PD. OF PRECIP. 2008-2105-ONLY SPRINKLES AND VERY LIGHT RAIN TODAY
May-20	THE 0.11 INS. OF RAIN WAS IN EARLY AM-THE OTHER PD. WAS NOT MEASURABLE
May-21	CLEARED OFF AT 1630 BUT CLOUDS MADE FOR A COOLER THAN FORECASTED DAY
May-22	HIGHEST DEW POINT OF 2013 AT 73.3 °F -PM WAS ABT. 20-30% CLOUDY
May-23	3RD PD. OF RAIN 1845-1920-HIGH DEW POINT OF 71.1 °F AT 1523-COLD FRONT TO PASS GLEN ALLEN LATE TONIGHT
May-24	CLOUDY MOST OF DAY WITH CLEARING STARTING AT 1500 AND WAS CLEAR BY 1745 UNTIL SUNSET-PM 65% CLOUDY
May-25	COLD START TODAY BUT A BEAUTIFUL LATE AFTERNOON-TODAY WAS VERY CLEAR UNTIL 1000 THEN CLOUDS TO 1430 THEN VERY CLEAR AGAIN.
May-26	BEAUTIFUL SPRING DAY-DEEP BLUE SKY AND LOW RELATIVE HUMIDITY
May-27	WARM FRONT GAVE OCCASIONAL SPRINKLES FROM 1745-1855 AND AM WAS ABOUT 15-20% CLOUDY
May-28	WIND REDUCED DEW BUT SKY WAS CLEAR TO 1015 THEN CLOUDS TO 1500-PC TO 1830 THEN CLEAR AGAIN-THE TRACE TODAY WAS LIGHTEST OF SPRINKLES.
May-29	WIND PREVENTED DEW-BUT AM WAS VERY CLEAR-PM HAD SOME CUMULUS FROM 1500-1700
May-30	VERY SUNNY AND PLEASANT AM-PM A LITTLE ON HOT SIDE-MAX. DEW POINT WAS 70 °F -NO CLOUDS TODAY
May-31	ONLY A FEW CUMULUS CLOUDS FROM 1145 TO 1645 BUT MOSTLY CLEAR AND THE HIGH DEW PT. WAS 71.6 °F TODAY.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

May-07	VIEW THE STORM DATA EVERY 5 MINUTES
May-07	<p>THUNDERSTORM WITH HAIL A small cell rapidly intensified into a slow moving thunderstorm.</p> <p>Light rain started at 1715 and heavy rain started between 1735 and 1740. It was also a new record for a 15 minute period with 0.64 inches.</p> <p>Hail started at 1740-1745 around 1742 small cloudy pea size hail mixed in with the rain and increased in intensity to a max. at 1745 and tapered off by 1748.</p> <p>The largest of this hail was 3/8 inch in diameter. It was also a new record for a 15 minute period with 0.67 inches.</p> <p>This left the deck about 50 percent covered by a layer of small hail in a very heavy rainfall.</p> <p>The hail started again between 1755-1800 & was up to 0.5 inches- some of this hail was clear ice & some had a platelet shape between 1758-1802 & damaged garden plants. The most rain in 1 hour was 1.37 inches a new record for May and in 5 mins. 0.33 inches.</p> <p>The total precipitation for the day was 2.39 inches which is a new record for a day in the month of May and also a record for any spring day.</p> <p>It is the most rain to fall in one hour here since August 24, 2009 when 1.44 inches fell and the record is 2.13 on June 3, 2009.</p>
May-25	AM EST. TO BE 40-45% CLOUDY AND PM EST. AT 20-30% CLOUDY.