

1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
Oct 2015	Week Day	TEMPERATURE				TEMPERATURE				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD																				
		MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END																			
Oct-01	Thu	67	0:04	56	19:39	10.7	61.4	-13.8	72	2	2	0.37	0.10	0.02			0001	0010																			
Oct-02	Fri	56	0:25	52	23:59	4.6	54.1	-7.3	68	2	2	1.98	0.39	0.05			0001	2400																			
Oct-03	Sat	63	17:20	51	2:09	11.4	56.8	2.7	64	2	2	0.83	0.24	0.03			0001	2400																			
Oct-04	Sun	61	14:10	54	23:38	6.7	57.7	0.9	65	2	2	0.28	0.05	0.02			0001	2300																			
Oct-05	Mon	65	15:17	51	23:59	13.2	58.0	0.4	64	2	1																										
Oct-06	Tue	72	14:34	46	6:44	26.4	59.0	1.0	63	0	0																										
Oct-07	Wed	78	14:53	53	4:54	24.3	65.6	6.6	64	2	1																										
Oct-08	Thu	79	14:34	54	6:52	24.9	66.7	1.1	65	0	1																										
Oct-09	Fri	79	15:53	63	6:57	16.2	70.8	4.2	66	1	2	0.09	0.09	0.04			1245	1250																			
Oct-10	Sat	65	0:01	48	23:40	17	56.9	-13.9	67	2	2	0.03	0.01	0.01			0310	0520																			
Oct-11	Sun	70	14:38	43	7:37	26.5	56.7	-0.3	64	0	0																										
Oct-12	Mon	77	15:02	47	5:51	30.2	62.0	5.3	63	0	0																										
Oct-13	Tue	78	14:00	60	23:58	18.7	69.1	7.1	65	1	0																										
Oct-14	Wed	73	13:18	51	7:14	22.8	62.0	-7.1	65	0	1	T	T	T			2040	2045																			
Oct-15	Thu	71	14:42	46	7:39	25.1	58.4	-3.7	64	0	0																										
Oct-16	Fri	65	15:48	49	23:48	16.8	57.0	-1.4	63	2	1	T	T	T			0819	0823																			
Oct-17	Sat	66	14:15	38	23:59	28.7	52.1	-5.0	61	0	1																										
Oct-18	Sun	57	14:23	30	6:44	27.1	43.5	-8.6	59	0	1																										
Oct-19	Mon	59	14:31	33	7:30	25.5	46.0	2.5	57	0	0																										
Oct-20	Tue	72	14:47	41	2:35	31.3	56.3	10.3	57	0	1																										
Oct-21	Wed	77	15:10	42	7:41	35.3	59.7	3.4	57	0	0																										
Oct-22	Thu	80	15:50	44	7:13	35.7	62.2	2.5	58	0	1																										
Oct-23	Fri	73	15:17	52	6:13	20.8	62.5	0.4	60	0	0																										
Oct-24	Sat	62	17:04	48	7:33	13.8	55.0	-7.5	61	2	2																										
Oct-25	Sun	68	15:28	56	23:25	12.4	62.2	7.2	61	2	2	0.02	0.02	0.01			0525	0540																			
Oct-26	Mon	58	15:01	44	23:28	13.5	51.0	-11.3	60	2	2	T	T	T			1140	1147																			
Oct-27	Tue	56	23:51	45	0:01	10.9	50.4	-0.6	59	2	2	0.24	0.06	0.01			0725	1440																			
Oct-28	Wed	73	14:35	56	0:01	17	64.3	14.0	60	2	2	0.80	0.28	0.09			0001	1725																			
Oct-29	Thu	75	12:54	52	23:57	23.7	63.4	-0.9	63	0	2	0.02	0.02	0.01			0001	0200																			
Oct-30	Fri	63	13:44	42	23:57	21.3	52.4	-11.0	61	0	0																										
Oct-31	Sat	60	12:55	35	7:41	24.6	47.7	-4.7	58	1	2																										
TOTAL		2119		1482		637.1	1800.1	-27.5	1934	29	35	4.66	1.26	0.29	0	0	Col.26-27																				
NUM		31	31	31	31	31	31	31	31	31	31	10	10	10	0	0	DAILY AVE RH																				
AVE.		68.34	13:41	47.79	12:36	20.55	58.07		62.39	0.94	1.13	Ave. Tot.	Ave.Max	Ave.Max	Ave.Tot.	Ave.Days	76.1	Percent																			
Normals		70.12		48.97		21.14	59.54		64.61	1.02	1.03	3.26	0.52	0.15	0.0	0.0	73.3	Percent																			
Departures		-1.77		-1.18		-0.59	-1.48		-2.22	-0.08	0.10	1.40	0.74	0.14	0.0	0.0	2.9	Percent																			
MAX. DATES	Dates	80		63		35.7	70.8	14.0	72.0	Whole Day		1.98	0.39	0.09	0.0	0.0	Precip	24 Hr.																			
	1	Oct-22		Oct-09		Oct-22	Oct-09	Oct-28	Oct-01	Ave.	1.03	Oct-02	Oct-02	Oct-28			Amount	2.33																			
	2									Normal	1.02						Date	Oct-02																			
	3									Depart.	0.01						Date	Oct-03																			
MIN. DATES	Dates	56		30		4.6	43.5	-13.9	57.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES																			
	1	Oct-27		Oct-18		Oct-02	Oct-18	Oct-10	Oct-19	CLEAR	15	9	6	DAYS	1	DAYS	0	DAYS																			
	2								Oct-20	P.CLO.	3	9	HOTTEST	70.8	Highest	Lowest	COOLEST	43.45																			
	3							Oct-21	Oct-21	CLO.	13	13	DAY	10-09	Mean	Mean	DAY	10-18																			
<=32 °F		0	<=32 °F	1	MAX.	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35	>=30																				
>=90 °F		0	>=70 °F	0		0	1	8	14	20	26	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	
Oct 2015	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	K	DEW	FROST																			
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE																										
Oct-01	0118	2400	171.5	24	18:27	100	85	30.03	29.90	29.97	0.16																										
Oct-02			206.8	29	22:35	100	96	30.03	29.95	29.99	0.03																										
Oct-03			203.8	24	3:57	100	95	30.07	29.97	30.02	0.03																										
Oct-04			207.1	27	4:06	100	93	30.14	30.05	30.10	0.07																										
Oct-05			127.2	22	10:12	97	65	30.15	30.06	30.11	0.01																										
Oct-06			34.4	15	10:54	100	52	30.11	30.02	30.07	-0.04																										
Oct-07			12.8	10	15:23	100	58	30.10	30.00	30.05	-0.01																										
Oct-08			9.3	9	15:10	100	51	30.17	30.08	30.13	0.07																										
Oct-09	2130	2300	78.7	22	15:34	96	64	30.09	29.89	29.99	-0.13																										
Oct-10			66.2	17	9:44	97	56	30.16	29.98	30.07	0.08																										
Oct-11			18.5	10	14:42	100	49	30.10	29.91	30.01	-0.06																										
Oct-12			28.0	13	14:26	100	50	29.94	29.72	29.83	-0.18																										
Oct-13			95.3	20	14:15	93	49	29.75	29.59	29.67	-0.16																										
Oct-14			22.7	22	19:56	99	40	29.97	29.75	29.86	0.19																										
Oct-15			17.8	11	10:44	100	41	30.12	29.96	30.04	0.18																										
Oct-16	0835	0836	22.2	12	3:41	95	50	30.18	30.00	30.09	0.05																										
Oct-17			42.6	17	17:30	99	32	30.33	30.15	30.24	0.15																										
Oct-18			41.6	21	11:27	96	33	30.48	30.32	30.40	0.16																										
Oct-19			29.1	11	16:39	88	32	30.56	30.41	30.49	0.09																										
Oct-20			70.6	17	10:32	83	30	30.42	30.28	30.35	-0.13																										
Oct-21			23.2	11	13:16	93	33	30.38	30.28	30.33	-0.02																										
Oct-22			31.0	13	15:57	93	35	30.31	30.16	30.24	-0.09																										
Oct-23			51.3	18	10:38	95	46	30.30	30.14	30.22	-0.02																										
Oct-24			14.6	7	14:55	92	59	30.35	30.20	30.28	0.05																										
Oct-25	0655	0710	68.8	19	23:41	90	63	30.28	30.11	30.20	-0.08																										
Oct-26	1215	1225	73.1	16	0:22	92	56	30.48	30.28	30.38	0.19																										
Oct-27	1545	2400	83.2	14	12:43	100	84	30.49	30.27	30.38	0.00																										
Oct-28	2225	2400	95.8	24	18:53	100	87	30.27	29.68	29.98	-0.40																										
Oct-29			72.7	23	13:31	100	49	29.85	29.65	29.75	-0.23																										
Oct-30			54.2	20	13:06	96	41	30.19	29.85	30.02	0.27																										
Oct-31			22.3	11	13:00	100	51	30.28	30.18	30.23	0.21																										
TOTAL	Column 23		2096.4	529		2994	1725	936.08	930.79	933.44	0.43	GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST																			
Number	Mar. Wind Run		31	31	31	31	31	31	31	31	31																										
AVE.	Total	2096.4	67.6	17.06	13:13	96.6	55.6	30.20	30.03	30.11																											
Normals	Miles	1457.9	47.3	17.2		95.1	51.2	30.11	29.93	30.02																											
Departures	Miles	638.5	20.3	-0.1		1.4	-4.5	0.09	0.10	0.09																											
MAXIMUM DATES	Dates	207.1	29	NNE	100	96	30.56	30.41	30.49	0.27																											
	1	Oct-04	Oct-02	22:35	Oct-01	Oct-02	Oct-19	Oct-19	Oct-19	Oct-30																											
	2				Oct-02																																
	3				Oct-03																																
	4				Oct-04																																
MINIMUM DATES	Dates	9.3	7		83	30	29.75	29.59	29.67	-0.40																											
	1	Oct-08	Oct-24		Oct-20	Oct-20	Oct-13	Oct-13	Oct-13	Oct-28																											
	2																																				
MINIMUM		<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=30																										
		31	31	31	30	26	17	11	4	2	1																										

5. Very Heavy
 4. Heavy-Unusual
 3. Moderate - Ave.
 2. Light - < Ave.
 1. Very Light - Slight - Trace
 M - Event with intensity missing
 P - Rain hindering Dew Observation
 N- NONE

39

40

REMARKS FOR THE MONTH

Oct

October - 2015

Oct-01	LOW VISIBILITY AND HEAVY DRIZZLE PDS. - LIGHT TO HEAVY DRIZZLE DURING DAY-RAIN STARTED AFTER DARK
Oct-02	STEADY RAIN AND CONTINUOUS
Oct-03	VERY LIGHT RAIN AND PDS. OF DRIZZLE BUT STILL CONTINUOUS
Oct-04	DRIZZLE MOST OF DAY UNTIL 2200
Oct-05	SOME PM CLEARING STARTED AROUND 1400
Oct-06	FIRST TOTALLY CLEAR DAY SINCE SEPT. 20-VERY UNUSUAL
Oct-07	CLEARING STARTED AT 1315 AND SCATTERED CUMULUS BY 1430 AND CLEAR AGAIN AFTER 1700
Oct-08	CLEAR IN AM WITH VERY THIN CIRRUS COMING IN ABOUT 1030-AM ABOUT 20% CLOUDY- PM ABOUT 45-50% CLOUDY
Oct-09	CLOUDS STARTED COMING IN AT 1000 AND CLOUDY BY 1100 THEN PC TO 1545 THEN CLOUDY AGAIN AFTER 1700
Oct-10	COLD FRONT PASSED AROUND 2200 YESTERDAY-SOME CLEARING AFTER 1700 TODAY AND MUCH COOLER
Oct-11	COLDEST AM SINCE APRIL 28, 2015 WHEN IT WAS 39°F
Oct-12	CLEAR ALL DAY WITH HEAVY DEW IN MORNING
Oct-13	AM CLOUDS STARTED TO CLEAR AROUND 1000 AND VERY CLEAR FROM 1045-1215 THEN SCATTERED CUMULUS TO 1630
Oct-14	BEAUTIFUL FALL DAY-VERY CLEAR AM-CUMULUS CAME IN AROUND 1245 AND COLD FRONT PASSED AT 2000
Oct-15	
Oct-16	3RD PD. OF SPRINKLES 0929-0935, 4TH PD. OF SPRINKLES 0938-0945, 5TH PD. SPRINKLES 1225-1230-CLOUDS CLEARED FROM NORTH FROM 1415-PERFECT
Oct-17	ALTOCUMULUS AND CIRRUS FROM 0700-0900 MOSTLY TO THE NORTH THEN VERY CLEAR UNTIL 1230-FOLLOWED BY SCATTERED CUMULUS THEN MOSTLY
Oct-18	COLDEST MORNING SINCE MARCH 29, 2015 WHEN MIN. TEMP. WAS 21.1°F -CLEAR TO NOON AND PC BY 1330-1830
Oct-19	AM WARMER BECAUSE OF BREEZE AND SURFACE AIR MIXING-COOLEST MORNING FOR POINTS E AND SE BECAUSE OF LITTLE WIND
Oct-20	PM PARTLY CLOUDY BECAUSE OF FIBROUS CIRRUS CLOUDS
Oct-21	A REALLY BEAUTIFUL FALL DAY-VERY CLEAR WITH LOW REL. HUMIDITY
Oct-22	THIN CIRRUS CAME IN AT 1030 AND INCREASED DURING DAY BUT MUCH SOLAR ENERGY THROUGH CLOUDS
Oct-23	13 DAYS WITH NO MEASURABLE RAIN AND ANOTHER VERY CLEAR DAY
Oct-24	CLOUDY, COOL DAY AND NOW 14 DAYS WITH NO MEASURABLE RAIN
Oct-25	DEW EST. TO BE RATED IN THE 2 CATEGORY BEFORE LIGHT RAIN BEGAN-3RD PD. OF SPRINKLES 0955-1220, 4TH PD. OF SPRINKLES 1315-1320
Oct-26	TRACE OF RAIN TODAY WAS VERY SLIGHT
Oct-27	VERY COOL DAMP DAY
Oct-28	RAIN MOST OF DAY WITH A LARGE WARMUP
Oct-29	AM WAS NO MORE THAN 30% CLOUDY BUT PM WAS CLOUDY-SHARP INCREASE IN CLOUDS AT 1300
Oct-30	EXTREMELY HEAVY DEW AND VERY CLEAR DAY
Oct-31	ANOTHER VERY HEAVY DEW-VERY CLEAR START THEN CIRRUS BY 0900 & INCREASING CIRRUS BY 1000-MOSTLYCLOUDY BY1100 - PM CLOUDY

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Oct-16	CLEAR DAY BY 1445
Oct-17	CLOUDY TO FROM 1645-1830

DAILY RECORDS FOR THE MONTH

The Glen Allen Station had 30 Records or Record Ties in 2015

Days

1	The daily temperature range on the 1st was 10.4°F, a new 7 year LOW daily temperature range record for the date - the old record was 14°F in 2011. The daily precipitation on the 1st was 0.37 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.06 inches in 2010 and 2008.
2	The daily temperature range on the 2nd was 4.7°F, a new 7 year LOW daily temperature range record for the date - the old record was 10°F in 2011. The daily precipitation on the 2nd was 1.98 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.29 inches in 2014. The maximum temperature on the 2nd was 56.4°F, a new 7 year cold daily maximum temperature record for the date - the old record was 57°F in 2011.
3	The daily precipitation on the 3rd was 0.83 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.04 inches in 2010. The daily temperature range on the 3rd was 11.4°F, a new 7 year LOW daily temperature range record for the date - the old record was 13°F in 2011.
4	The daily precipitation on the 4th was 0.28 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.21 inches in 2010. The daily temperature range on the 4th was 2.9°F, a new 7 year LOW daily temperature range record for the date - the old record was 14°F in 2010.
5	The maximum temperature on the 5th was 64.6°F, a new 7 year cold daily maximum temperature record for the date - the old record was 66°F in 2014 and 2010. The daily temperature range on the 5th was 13.2°F, a new 7 year LOW daily temperature range record for the date - the old record was 20°F in 2009.
6	
7	
8	The maximum temperature on the 8th was 79.1°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 79°F in 2014.
9	
10	The minimum temperature on the 10th was 48.4°F a new 7 year LOW daily minimum temperature record for the date - the old record was 52°F in 2011 and 2010.
11*	The minimum temperature last night was 43.7 °F the lowest minimum temperature since April 28, 2015 when the minimum temperature was 39.0 °F.
12	
13	
14	
15	The daily temperature range on the 15th was 25.1°F a new 7 year HIGH daily temperature range record for the date - the old record was 25°F in 2008.
16	
17	The minimum temperature on the 17th was 38.4°F a new 7 year LOW daily minimum temperature record for the date - the old record was 41°F in 2010 and 2009.
*	The minimum temperature last night was 38.4 °F the lowest minimum temperature since April 24, 2015 when the minimum temperature was 36.1 °F.
18	The minimum temperature on the 18th was 30.1°F a new 7 year LOW daily minimum temperature record for the date - the old record was 40°F in 2009.
*	The minimum temperature last night was 30.2°F the lowest minimum temperature since March 29, 2015 when the minimum temperature was 20.1 °F.
	The daily temperature range on the 18th was 27.1°F a new 7 year HIGH daily temperature range record for the date - the old record was 25°F in 2011 and 2010.
19	The minimum temperature on the 19th was 33.2°F a new 7 year LOW daily minimum temperature record for the date - the old record was 35°F in 2009.
	The daily temperature range on the 19th was 25.5°F a new 7 year HIGH daily temperature range record for the date - the old record was 25°F in 2009.
20	
21	The daily temperature range on the 21st was 35.3°F a new 7 year HIGH daily temperature range record for the date - the old record was 33°F in 2009.
22	The maximum temperature on the 22nd was 80°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 76°F in 2009. The daily temperature range on the 22nd was 35.7°F a new 7 year HIGH daily temperature range record for the date - the old record was 33°F in 2012.
23	
24	The daily temperature range on the 24th was 13.8°F, a new 7 year LOW daily temperature range record for the date - the old record was 18°F in 2009 and 2008.
25	The daily temperature range on the 25th was 12.4°F, a new 7 year LOW daily temperature range record for the date - the old record was 13°F in 2008.
26	The maximum temperature on the 26th was 57.7°F, a new 7 year cold daily maximum temperature record for the date - the old record was 58°F in 2013.
27	The maximum temperature on the 27th was 54.3°F, a new 7 year cold daily maximum temperature record for the date - the old record was 57°F in 2008.
28	The daily precipitation on the 28th was 0.80 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.71 inches in 2009.
29	
30	
31	