

#		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Nov 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	
Nov-01	Sun	66	14:29	54	0:05	11.3	60.0	12.3	59	2	2	0.03	0.02	0.01			0420	0435	
Nov-02	Mon	61	14:56	55	23:57	6.2	58.2	-1.7	61	2	2	0.05	0.04	0.01			0600	0845	
Nov-03	Tue	74	13:52	51	6:54	22.9	62.6	4.3	60	0	0								
Nov-04	Wed	76	13:11	49	5:04	27.2	62.3	-0.2	60	1	2	0.33	0.25	0.06			1545	1550	
Nov-05	Thu	74	14:35	60	6:32	14.4	67.1	4.8	62	2	1								
Nov-06	Fri	79	14:16	63	0:01	16.4	70.9	3.8	63	1	0								
Nov-07	Sat	69	12:55	51	23:57	17.1	60.0	-11.0	64	2	2	0.20	0.05	0.01			0755	0800	
Nov-08	Sun	56	13:23	39	22:38	17.8	47.5	-12.5	62	2	2								
Nov-09	Mon	54	23:12	38	1:47	15.8	45.8	-1.7	58	2	2	2.72	0.76	0.08			0800	0805	
Nov-10	Tue	59	13:30	48	23:59	10.1	53.5	7.7	57	2	2	0.55	0.17	0.04			0001	0450	
Nov-11	Wed	68	13:28	42	6:12	26	55.0	1.6	57	0	1								
Nov-12	Thu	72	14:25	45	2:37	26.4	58.5	3.5	57	2	1	T	T	T			1245	1310	
Nov-13	Fri	66	13:33	41	23:56	25.2	53.8	-4.7	57	1	0								
Nov-14	Sat	59	13:10	36	23:58	23	47.0	-6.8	55	0	0								
Nov-15	Sun	66	13:54	30	6:22	36.9	48.0	1.0	53	0	0								
Nov-16	Mon	70	14:00	36	6:32	34.1	52.7	4.7	52	0	0								
Nov-17	Tue	67	13:54	45	0:01	22.3	56.1	3.4	53	2	2								
Nov-18	Wed	71	12:15	49	6:31	21.7	59.9	3.8	56	1	2	0.13	0.12	0.03			1325	1608	
Nov-19	Thu	68	15:27	58	23:59	9.6	62.7	2.9	58	2	2	0.56	0.15	0.05			0224	1615	
Nov-20	Fri	59	13:58	37	23:47	22.1	47.8	-15.0	58	0	0								
Nov-21	Sat	59	14:19	31	6:50	28	44.8	-3.0	54	0	0								
Nov-22	Sun	50	0:33	36	23:36	13.9	42.7	-2.1	54	2	2								
Nov-23	Mon	44	14:07	27	6:01	16.9	35.8	-6.9	51	0	0								
Nov-24	Tue	58	13:08	26	6:48	31.8	42.3	6.6	49	0	0								
Nov-25	Wed	59	12:54	28	6:28	30.7	43.7	1.4	49	0	0								
Nov-26	Thu	67	14:20	35	4:42	31.9	51.0	7.3	49	0	0								
Nov-27	Fri	69	12:42	38	6:48	30.9	53.6	2.6	50	1	2								
Nov-28	Sat	71	14:52	45	4:18	26.5	58.0	4.4	51	2	2								
Nov-29	Sun	60	3:59	45	23:41	15	52.2	-5.8	54	2	2	0.09	0.03	0.01			0310	0315	
Nov-30	Mon	45	0:01	40	22:36	4.5	42.7	-9.6	54	2	2	0.37	0.04	0.07			0010	2000	
TOTAL		1914		1277		636.6	1595.4	-5.0	1677	33	33	5.03	1.63	0.37	0	0	Col.26-27		
NUM		30	30	30	30	30	30	30	30	30	30	10	10	10	0.0	0.0	DAILY AVE RH		
AVE.		63.79	12:54	42.57	11:41	21.22	53.18		55.90	1.10	1.10	Ave.Tot.	Ave.Max	Ave.Max	Ave.Tot.	Ave.Days	74.2	Percent	
Normals		59.39		37.46		21.94	48.43		53.77	0.92	1.06	3.96	0.65	0.15	0.0	0.0	68.7	Percent	
Departures		4.40		5.11		-0.72	4.75		2.13	0.18	0.04	1.07	0.98	0.22	0.0	0.0	5.5	Percent	
MAX. Dates	Dates	79		63		36.9	70.9	12.3	64.0	Whole Day		2.72	0.76	0.08	0	0.0	Precip	24 Hr.	
	1	Nov-06		Nov-06		Nov-15	Nov-06	Nov-01	Nov-07	Ave.	1.10	Nov-09	Nov-09	Nov-09			Amount	3.07	
	2									Normal	0.99						Date	Nov-09	
	3									Depart.	0.11						Date	Nov-10	
MIN. Dates	Dates	44		26		4.5	35.8	-15.0	49.0	SKY		AM	PM	>= 0.10	Precip.	>= 1.00	Precip.	>= 2.00	Precip.
	1	Nov-23		Nov-24		Nov-30	Nov-23	Nov-20	Nov-24	CLEAR	11	12	7	DAYS	1	DAYS	1	DAYS	
	2								Nov-25	P.CLO.	5	3	HOTTEST	70.9	Highest	Lowest	COOLEST	35.8	
	3							Nov-26	Nov-26	CLO.	14	15	DAY	11-06	Mean	Mean	DAY	11-23	
<=32 °F		0	<=32 °F	5	MAX.	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35	>=30	>=25	>=20	
>=90 °F		0	>=70 °F	0		0	2	7	17	18	26	27	28	30	30	30	30	30	

Nov 2015	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	R	DEW	FROST
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE							
Nov-01	0530	1150	51.2	16	12:07	96	74	30.08	29.98	30.03	-0.20						P	
Nov-02	1245	1250	10.1	6	8:48	98	79	30.16	30.04	30.10	0.07				1		P	
Nov-03			11.2	11	13:41	98	40	30.28	30.14	30.21	0.11						3	
Nov-04	1644	1850	12.7	9	9:58	96	31	30.35	30.27	30.31	0.10						4	
Nov-05			14.1	13	14:29	98	77	30.32	30.15	30.24	-0.08				3		P	
Nov-06			132.1	27	14:03	100	64	30.15	29.97	30.06	-0.18						5	
Nov-07	0936	1755	35.1	20	14:25	97	90	30.27	30.02	30.15	0.09						4	
Nov-08			31.0	18	23:08	94	43	30.48	30.26	30.37	0.23						P	
Nov-09	1000	2400	68.2	17	23:15	99	80	30.45	30.12	30.29	-0.09						2	
Nov-10	0715	0825	27.6	15	0:46	99	95	30.12	29.86	29.99	-0.29				2		P	
Nov-11			4.6	12	10:09	99	51	30.03	29.89	29.96	-0.03						5	
Nov-12			62.3	23	13:50	100	53	30.00	29.66	29.83	-0.13						5	
Nov-13			36.2	18	10:29	87	21	30.07	29.77	29.92	0.09						3	
Nov-14			22.1	17	15:14	88	30	30.38	30.07	30.23	0.31						2	2
Nov-15			44.0	19	9:49	96	25	30.48	30.35	30.42	0.19							5
Nov-16			7.3	10	12:00	90	28	30.36	30.26	30.31	-0.10						4	1
Nov-17			50.1	16	16:40	88	54	30.45	30.28	30.37	0.05						1	
Nov-18			58.5	16	14:04	95	68	30.42	30.17	30.30	-0.07						3	
Nov-19			52.8	17	7:01	99	79	30.17	29.94	30.06	-0.24				2		P	
Nov-20			48.7	20	11:31	99	32	30.29	30.03	30.16	0.11						4	
Nov-21			24.6	14	13:45	85	38	30.28	29.94	30.11	-0.05							3
Nov-22			93.6	22	10:29	89	46	30.08	29.92	30.00	-0.11						2	
Nov-23			64.1	24	9:35	71	29	30.33	30.07	30.20	0.20							N
Nov-24			20.4	14	12:45	87	30	30.52	30.31	30.42	0.22							3
Nov-25			12.9	11	12:38	95	32	30.75	30.51	30.63	0.22							5
Nov-26			16.0	9	8:52	96	56	30.81	30.64	30.73	0.09						4	2
Nov-27			12.6	12	12:44	98	54	30.66	30.33	30.50	-0.23						4	
Nov-28			20.1	10	8:52	98	53	30.33	30.15	30.24	-0.25						4	
Nov-29	0340	1355	51.5	15	12:45	96	78	30.29	30.14	30.22	-0.02						P	
Nov-30	2130	2400	77.3	16	2:39	99	91	30.35	30.21	30.28	0.07				1		P	

TOTAL		1173.0	467		2830	1621	909.71	903.45	906.58	0.05	0	0	0	5	0	17	7
Number	Mar. Wind Run	30	30	30	30	30	30	30	30	30	GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST
AVE.	Total	1173.0	39.1	15.6	12:01	94.33	54.03	30.32	30.12	30.22							
Normals	Miles	1520.2	50.7	17.79		91.0	46.5	30.23	30.01	30.12							
Departures	Miles	-347.2	-11.6	-2.22		3.3	7.5	0.09	0.11	0.10							
MAXIMUM DATES		Dates	132.1	27	SSW	100	95	30.81	30.64	30.73	0.31	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - < Ave. N- None					
	1	Nov-06	Nov-06	14:03	Nov-06	Nov-10	Nov-26	Nov-26	Nov-26	Nov-14							
	2				Nov-12												
	3																
MINIMUM DATES		Dates	4.6	6		71	21	30.00	29.66	29.83	-0.29	1. Very Light - Slight - Trace M - Event with intensity missing R - Rain hindering Dew Observation					
	1	Nov-11	Nov-02		Nov-23	Nov-13	Nov-12	Nov-12	Nov-12	Nov-10							
	2																
MINIMUM		<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=30	<=25	<=20	<=15			
		30	30	30	29	26	23	19	13	6	4	0	0	0			

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40

REMARKS FOR THE MONTH

November - 2015

Nov-01	
Nov-02	
Nov-03	BEAUTIFUL FALL DAY WITH NO CLOUDS AND A LARGE TEMP. RANGE OF 33°F
Nov-04	VARIABLE SKY-CLOUDY SUNRISE TO 0930-VERY CLEAR TO 1315 THEN CLOUDY TO SUNSET-3RD PD. OF PRECIP. 2025-2315
Nov-05	HEAVIEST FOG AT 0830-CLEARING STARTED AT 1430 AND CLEAR BY 1515
Nov-06	DEW TRIPPED RAIN BUCKET-CLOUDY UNTIL 0745 THEN CLEAR BY 0810 THEN CLOUDY TO 1130 THEN CLEAR AGAIN
Nov-07	COLD FRONT PASSED AT 1420-LIGHT RAIN MOST OF DAY AFTER 0930
Nov-08	CIRROSTRATUS ALL DAY WITH WEAK SUN FROM 1245 TO 1615 THEN SOME FIBROUS CIRRUS AND BLUE SKY AFTER THAT BUT NOT AT ZENITH
Nov-09	RAIN FOR MOST OF DAY AGAIN AND MODERATE TO HEAVY AFTER DARK
Nov-10	3RD PD. OF PRECIP. 1225-1330 MAINLY DRIZZLE-CLOUDY GLOOMY DAY-SOLAR RADIATION GENERALLY LESS THAN 110 WATTS PER SQ. METER
Nov-11	MOSTLY CLEAR TO NOON - ONLY A FEW CIRRUS STARTING AROUND 1100
Nov-12	CLOUDY AM BECOMING PC BY 1345 WITH CIRRUS-ONLY SPRINKLES WITH COLD FRONTAL PASSAGE
Nov-13	MOSTLY CLEAR BUT CIRRUS TO NORTH AT 1100-AM CIRRUS 50-60% CLOUDY - PM VERY CLEAR
Nov-14	FROST SEEN IN PATCHES IN BACK YARD BUT NONE ON ROOF BECAUSE OF LIGHT BREEZE-MIN. DEWPOINT TODAY WAS 18.4°F AT 1313
Nov-15	COLDEST NIGHT SINCE MARCH 29, 2015 WHEN IT WAS 20.1°F -CLEAR ALL DAY JUST A FEW CIRRUS ON SOUTH HORIZON
Nov-16	A LITTLE FROST ON ROOFS - A MOSTLY CLEAR DAY WITH A 34.1°F TEMP. RANGE-YESTERDAY HAD A VERY LARGE 36.9°F RANGE
Nov-17	VERY CLOUDY UNTIL 0945 THEN SUN THROUGH AN OVERCAST UNTIL 1400 THEN PC FOR 1 1/2 HOURS OF PM BUT GENERALLY CLOUDY EST. 70-80%
Nov-18	
Nov-19	LOWER VISIBILITY DURING PDS. OF DRIZZLE-LIGHT GROUND FOG JUST AFTER SUNSET THEN CLEARING
Nov-20	HEAVY DEW TRIPPED RAIN GAUGE BUCKET-TOTALLY CLEAR DAY AND BREEZY
Nov-21	ONLY A FEW SCATTERED CIRRUS DURING DAY
Nov-22	ONLY SUN FROM 1610-1700 - COLD BREEZY FIRST WINTER-LIKE DAY
Nov-23	BREEZE KEPT FROST FROM FORMING-VERY CLEAR DAY AND LOW REL. HUMIDITY- MIN. DEWPOINT 13.2°F AT 1559
Nov-24	GREAT WARMUP TODAY AND AFTERNOON WAS ALMOST CLOUDLESS
Nov-25	ANOTHER BEAUTIFUL FALL AFTERNOON AFTER A COLD AND VERY FROSTY START
Nov-26	HIGHEST BAROMETER READING SINCE FEB. 28, 2015 WHEN IT WAS 30.87 INCHES
Nov-27	AM WAS COVERED WITH THIN CIRRUS BUT MUCH SOLAR ENERGY AND BY 1320 IT WAS MAINLY CLOUDY BUT VERY WARM FOR END OF NOV.
Nov-28	VERY WARM FOR END OF NOVEMBER
Nov-29	ON AND OFF DRIZZLE DURING AM - ENDED AT 1355 & FALLING TEMPS AS A SLOW MOVING COLD FRONT PASSED AROUND 0500. 3rd PD RAIN 2205-2235
Nov-30	DRIZZLE AND VERY LIGHT RAIN ALL DAY AND INTO THE NIGHT WITH A LIGHT FOG

DATE

EXTENSION OF LENGTHY DAILY REMARKS

DAILY RECORDS FOR THE MONTH

Days

The Glen Allen Station had 36 Records or Record Ties in 2015

1	
2	The minimum temperature on the 2nd was 55.1°F, a new 7 year warm daily minimum temperature record for the date - the old record was 47°F in 2013. The daily temperature range on the 2nd was 6.2°F, a new 7 year LOW daily temperature range record for the date - the old record was 17°F in 2009.
3	The minimum temperature on the 3rd was 51.1°F, a new 7 year warm daily minimum temperature record for the date - the old record was 51°F in 2008. The maximum temperature on the 3rd was 74°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 68°F in 2009.
4	The maximum temperature on the 4th was 75.9°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 74°F in 2014.
5	The minimum temperature on the 5th was 59.9°F, a new 7 year warm daily minimum temperature record for the date - the old record was 56°F in 2008. The maximum temperature on the 5th was 74.3°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 66°F in 2008.
6	The minimum temperature on the 6th was 62.7°F, a new 7 year warm daily minimum temperature record for the date - the old record was 57°F in 2008. The maximum temperature on the 6th was 79.1°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 71°F in 2013.
7	The minimum temperature on the 7th was 51.4°F, a new 7 year warm daily minimum temperature record for the date - the old record was 50°F in 2008. The daily precipitation on the 7th was 0.20 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.02 inches in 2013.
8	The daily temperature range on the 8th was 17.8°F, a new 7 year LOW daily temperature range record for the date - the old record was 24°F in 2008.
9	The maximum temperature on the 9th was 53.7°F, a new 7 year cold daily maximum temperature record for the date - the old record was 59°F in 2014 and 2013. The daily temperature range on the 9th was 15.8°F, a new 7 year LOW daily temperature range record for the date - the old record was 19°F in 2014. The daily precipitation on the 9th was 2.72 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.00 inches.
*	Today's rainfall was the most at Glen Allen since August 27, 2011 when tropical storm Irene gave Glen Allen 3.75 inches.
10	The daily temperature range on the 10th was 10.1°F, a new 7 year LOW daily temperature range record for the date - the old record was 14°F in 2009. The daily precipitation on the 10th was 0.55 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.38 inches in 2009.
11	
12	
13	
14	
15	The daily temperature range on the 15th was 36.9°F a new 7 year HIGH daily temperature range record for the date - the old record was 31°F in 2009.
16	The daily temperature range on the 16th was 34.1°F a new 7 year HIGH daily temperature range record for the date - the old record was 30°F in 2009.
17	
18	The minimum temperature on the 18th was 49°F and EQUALED the 7 year HIGH daily minimum temperature record for the date - the old record was set in 2013.
19	The maximum temperature on the 19th was 67.5°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 66°F in 2009. The minimum temperature on the 19th was 57.9°F, a new 7 year warm daily minimum temperature record for the date - the old record was 56°F in 2009. The daily temperature range on the 19th was 9.6°F, a new 7 year LOW daily temperature range record for the date - the old record was 10°F in 2009. The daily precipitation on the 19th was 0.56 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.54 inches in 2009.
20	
21	The daily temperature range on the 21st was 28°F a new 7 year HIGH daily temperature range record for the date - the old record was 24°F in 2012 and 2010.
22	
23 *	The minimum temperature on the 23rd was 27.3 °F the lowest minimum temperature since March 29, 2015 when the minimum temperature was 20.1 °F. The maximum temperature on the 23rd was 44.2°F, a new 7 year cold daily maximum temperature record for the date - the old record was 46°F in 2008.
24 *	The minimum temperature on the 24th was 26.4 °F the lowest minimum temperature since March 29, 2015 when the minimum temperature was 20.1 °F. The daily temperature range on the 24th was 31.8°F a new 7 year HIGH daily temperature range record for the date - the old record was 29°F in 2008.
25	
26 *	The maximum barometric pressure for the 26th was 30.81 inches the highest since February 28, 2015 when the maximum was 30.87 inches. The daily temperature range on the 26th was 31.9°F a new 7 year HIGH daily temperature range record for the date - the old record was 30°F in 2011.
27	The daily temperature range on the 27th was 31.1°F a new 7 year HIGH daily temperature range record for the date - the old record was 30°F in 2008.
28	The daily temperature range on the 28th was 26.5°F a new 7 year HIGH daily temperature range record for the date - the old record was 24°F in 2010 and 2009.
29	The minimum temperature on the 29th was 44.7°F, a new 7 year warm daily minimum temperature record for the date - the old record was 43°F in 2011. The daily temperature range on the 29th was 15°F, and EQUALED the 7 year LOW daily minimum temperature range record for the date - the old record was set in 2008.
30	The daily temperature range on the 30th was 4.5°F, a new 7 year LOW daily temperature range record for the date - the old record was 9°F in 2008.