

Nov 2009	REMARKS FOR THE MONTH November - 2009
Nov-01	3RD PD. OF RAIN 1920-2040
Nov-02	NO DEW BECAUSE OF A CLOUDY NIGHT AND IT CONTINUED MOSTLY CLOUDY ALL DAY
Nov-03	COLD FRONT PASSED AT 1910 WITH ONLY CLOUDINESS
Nov-04	PATCHY AM FROST AND A VERY DEEP BLUE AM SKY-1ST CLOUD OBSERVED AT 1100
Nov-05	ONLY A FEW PM CLOUDS AND MOST OF THOSE OCCURRED AFTER 1600
Nov-06	NO CLOUDS SEEN ALL DAY WITH A DEEP BLUE SKY
Nov-07	COLDEST SINCE MARCH 25, 2009 WHEN IT WAS 31 °F FOR MIN. - A FEW SCATTERED PM CIRRUS
Nov-08	ANOTHER VERY CLEAR DAY WITH NO CLOUDS AND MUCH WARMER TEMPERATURES
Nov-09	CIRRUS STARTED COMING IN AT 1030-LITTLE SUN SEEN THROUGH CIRRUS OVERCAST IN PM
Nov-10	CLOUDY ALL DAY BUT SUN SEEN THROUGH ALTOSTRATUS AT TIMES
Nov-11	ALL DAY RAIN -VERY STEADY AND CONTINUOUS UNTIL MIDNIGHT
Nov-12	ALL DAY RAIN -VERY STEADY AND CONTINUOUS UNTIL MIDNIGHT
Nov-13	3RD PD. OF DRIZZLE 1745-1925, 4TH PD. OF DRIZZLE 2105-2145
Nov-14	A LITTLE SUN FROM 1642-1652-1ST SUN SEEN AFTER 5 DAYS OF RAIN
Nov-15	VERY HEAVY DEW-TRIPPING BUCKET REC. 0.01 INS. FROM DEW-OF COURSE NOT ADDED INTO PRECIP.-PM PARTLY CLOUDY WITH CIRRUS
Nov-16	BEAUTIFUL FALL DAY AND THE EARLY AM WEAK COLD FRONT WAS HARDLY DISCERNIBLE
Nov-17	PM CLOUDY WITH CIRRUS BUT MUCH SUNLIGHT THROUGH THIN CIRRUS
Nov-18	
Nov-19	THUNDER AROUND 1040 AND AGAIN AT 2120 AND 2147
Nov-20	CLOUDS LEFT AROUND 0830 AND PM WAS CLEAR AND WARM FOR THE END OF NOV. 3RD PD. OF RAIN 0840-0920, 4TH PD. 1030-1040, 5TH PD. 1125-1245, 6TH PD. 1620-1645
Nov-21	SOME SUN THROUGH THIN PM CIRRUS BUT A THICKER AM SKY COVER
Nov-22	CLEAR UNTIL NOON AND PM WAS ABOUT 60% CLOUDY
Nov-23	ALL DAY RAIN AND DAMP AND COOL
Nov-24	3RD PD. OF RAIN 0410-0430, 4TH PD. 0645-0650, 5TH PD. 1040-1045, 6TH PD. 2130-2400-TODAY'S PRECIP. WAS MAINLY DRIZZLE AND MIST
Nov-25	3RD OF RAIN 0555-0600, 4TH PD. 0710-0715
Nov-26	VERY HEAVY FOG THOUGHT TO BE HEAVIEST OF YEAR SO FAR-VISIBILITY CUT TO 400 FEET-THUNDER HEARD AND LIGHTNING OBSERVED AT 2235
Nov-27	CLEAR UNTIL 1105 AND A SHOWER OCCURRED AT 1235 THEN PARTLY CLOUDY IN AFTERNOON
Nov-28	LOWEST MIN. TEMP. BY 0.1 °F SINCE MARCH 25, 2009 WHEN MIN. TEMP. WAS 31 °F
Nov-29	VERY LIGHT MORNING DEW AND DAY STARTED WITH A BLUE SKY BUT PM CIRRUS MADE THE AFTERNOON PARTLY CLOUDY
Nov-30	THE COLD FRONT PASSED AT 1655 AND IT WAS CLOUDY ALL DAY - THE WETTEST MONTH EVER RECORDED AT THIS STATION AND AT THE RICHMOND INTERNATIONAL
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Nov-20	7TH PD. 2120-2325
Nov-30	AIRPORT THE WETTEST MONTH SINCE AUGUST OF 2004 WHEN 16.30 INCHES WAS RECORDED!

Nov 2010	REMARKS FOR THE MONTH November - 2010
Nov-01	PM HAD A FEW CIRRUS CLOUDS AFTER 1530
Nov-02	MORE FROST SEEN ON YARDS THAN ON OCT. 30 BUT DIDN'T KILL TOMATOES
Nov-03	CLOUDY ALL DAY WITH BELOW AVERAGE TEMPERATURES
Nov-04	ALMOST ALL DAY RAIN AND CHILLY AND DAMP DAY-SPRINKLES FROM 1800-2050 AND 4TH PD. OF PRECIP. 2335-2340
Nov-05	CLOUDY UNTIL 0900 THEN CLEAR TO 1300 FOLLOWED BY PARTLY CLOUDY SKIES TO SUNSET
Nov-06	ALTOCUMULUS IN AM AND STRATOCUMULUS IN PM AND SOME ALTOCUMULUS-CHILLY DAY AND FIRST FREEZE PREDICTED FOR TONIGHT
Nov-07	FIRST FREEZE-KILLED GREEN BEANS AND TOMATOES-ALSO A RETROGRADE LOW PRESSURE OFF EAST COAST
Nov-08	NEARLY A HARD FREEZE AND COLDEST SINCE MARCH 27, 2010 WHEN IT WAS ALSO 30 °F
Nov-09	ONLY A LITTLE OF THE CONDENSATION IS FROZEN ON GRASS MOSTLY DEW
Nov-10	BEAUTIFUL FALL DAY AFTER A COOL START-VERY DEEP BLUE SKY
Nov-11	BEAUTIFUL FALL DAY WITH DEEP BLUE SKY AND AGAIN NO CLOUDS SEEN ALL DAY
Nov-12	MORE FROST THAN DEW -VERY LOW REL. HUMIDITY AND MINIMUM DEW POINT TEMP. WAS 20.5 °F AND VERY CLEAR AGAIN
Nov-13	2ND COLDEST AM AFTER NOV. 8 AND FIRST CIRRUS SEEN AROUND 1230 THEN PC AFTER 1430
Nov-14	AM WAS MOSTLY PC WITH SCATTERED CIRRUS ESTIMATED AROUND 30% BUT PM WAS VERY CLEAR
Nov-15	SUN THROUGH AM CIRRUS AND CLOUDINESS INCREASING DURING DAY WITH TOTAL CLOUDINESS FROM NOON TO SUNSET
Nov-16	3RD PD. OF RAIN 1155-1815, 4TH PD. OF PRECIP. 1840-1845
Nov-17	VERY CLEAR AND A BEAUTIFUL FALL DAY AFTER THE STORM DURING THE VERY EARLY AM
Nov-18	AM WAS ABOUT 60% CLOUDY
Nov-19	CLEAR ALL DAY EXCEPT 0920-1000 AND 1530-1700 WHEN SCATTERED CIRRUS CLOUDS CAME IN
Nov-20	NO CLOUDS UNTIL 1530 THEN ONLY THIN CIRRUS
Nov-21	CIRRUS IN AM UNTIL 0830 THEN CLEAR ESTIMATING 25% CLOUDINESS IN PM AND TOTALLY CLEAR-VERY FEW CIRRUS AFTER 1515
Nov-22	VERY DENSE AM FOG-VISIBILITY APPROX. 0.2 MILES-VERY WARM FALL DAY WITH A FEW AM CIRRUS FROM 1045-1130 AND PM CIRRUS AFTER 1530
Nov-23	VERY WARM FALL DAY-BECAME MOSTLY CLOUDY AROUND 1130
Nov-24	SOME CIRRUS FROM 1415 TO SUNSET
Nov-25	CLOUDY ALL DAY AND A MIST AFTER DARK-VERY LIGHT DRIZZLE FROM 2100-2210
Nov-26	COLD FRONT WAS SLOW MOVING THROUGH THE AREA AND NOT MUCH RAIN-3RD PD. OF RAIN 0930-1030
Nov-27	DEEP BLUE SKY-LOW DEW POINT AND REL. HUMIDITY BUT FELT CHILLY BECAUSE OF THE BREEZE
Nov-28	COLDEST SINCE MARCH 7, 2010 WHEN IT WAS 24 °F-THE FIRST VERY HARD FREEZE
Nov-29	HIGHEST BAROMETER SINCE APRIL 14 WHEN PRESSURE REACHED 30.57 INS. -COLDEST MORNING SINCE MARCH 7, 2010-CLOUDS CAME IN ABOUT 1350
Nov-30	MORNING WAS MOSTLY CLOUDY WITH ONLY A LITTLE SUN THROUGH CIRRUS FROM 1015-1045 - HEAVY RAINFALL IN FORECAST FOR MOUNTAINS TONIGHT AND TOMORROW.
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Nov-30	THIRD PERIOD OF RAIN FROM 2245 TO 2305

Nov 2011	REMARKS FOR THE MONTH November - 2011
Nov-01	FEW CUMULUS CLOUDS FROM NOON TO 1530-PM ABOUT 25% CLOUDY
Nov-02	COLD START TODAY BUT VERY PLEASANT PM WITH NO CLOUDS ALL DAY
Nov-03	CIRRUS IN AM BUT CIRRUS CLEARED AT 1515 AND CLEAR TO SUNSET
Nov-04	
Nov-05	VERY CLEAR DAY WITH LOW DEW POINT OF 26.3 DEGREES F AT 1532 AND BREEZY
Nov-06	WARMER BY 8 ° TODAY AND A BEAUTIFUL FALL DAY
Nov-07	VERY CLEAR CALM PLEASANT DAY AFTER A COOL START TO THE DAY
Nov-08	A VERY LARGE TEMPERATURE RANGE OF 35 DEGREES-COOL START WITH A LIGHT FROST BUT BECOMING WARM AND PLEASANT BY PM
Nov-09	FOG CUT VISIBILITY TO 0.3 MILES-HEAVIEST AT 0645-FOG CLEARED ABOUT 0900 THEN A GREAT FALL DAY
Nov-10	FOGGY EARLY AT 0630 THEN CLEAR BY 0930 WHEN THE CLOUDS CAME IN
Nov-11	MOSTLY CLEAR - A FEW CUMULUS BUT BREEZY, SUNNY WITH A LOW DEW POINT OF 27.5 DEGREES
Nov-12	COOL START TODAY BUT BEAUTIFUL FALL PM EXCEPT A LITTLE WINDY
Nov-13	AM ABOUT 30% CLOUDY AND PM MOSTLY CLOUDY BUT A LITTLE SUN THROUGH ALTOCUMULUS FROM 1200-1330
Nov-14	BREEZY LAST NIGHT AND NO DEW-ALTOCUMULUS CLEARED AT 1015 AND THE PM HAD CIRRUS CLOUDS
Nov-15	CLOUDY ALL DAY BUT VERY WARM FOR MID NOVEMBER
Nov-16	LIGHTNING AT 2046 - 3RD PD.OF PRECIP. 1600-2400 BUT HEAVIEST PRECIP. FROM 2040-2050
Nov-17	
Nov-18	COLDEST NIGHT SINCE FEB. 23,2011 WHEN THE LOW TEMP. FELL TO 25 DEGREES F
Nov-19	AM CIRRUS ABOUT 20% COVERAGE AND THE PM ALMOST TOTAL COVERAGE BUT VERY THIN CLOUDS LET SUNLIGHT THROUGH
Nov-20	SOME CIRRUS IN AM BECAME THICKER ABOUT 1020 AND THE PM HAD ALTOCUMULUS AND CIRRUS CLOUDS
Nov-21	CLOUDY BUT WARM FOR NOVEMBER
Nov-22	CLOUDY AND SHOWERY DURING DAY-MANY ON AND OFF SPRINKLES-3RD PD.OF PRECIP. 1230-1610, 4TH PD. 2020-2110
Nov-23	VERY WARM AM WITH A COLD FRONT PASSAGE AROUND NOON
Nov-24	VERY CLEAR AND A DEEP BLUE SKY-BEAUTIFUL THANKSGIVING DAY
Nov-25	VERY CLEAR DEEP BLUE SKY-WARM AND VERY PLEASANT AFTERNOON
Nov-26	CIRRUS BECAME COMPLETE AROUND 1300 AND STILL WARM FOR LATE NOV.
Nov-27	CIRRUS UNTIL ABOUT 1545 THEN CUMULUS AND CIRRUS-ANOTHER WARM DAY FOR NOV.
Nov-28	CLOUDY MOST OF THE DAY BUT STILL VERY WARM FOR NOV.
Nov-29	RAINY AM WITH COLD FRONTAL PASSAGE AT 0700 - TEMPERATURES TO BECOME SEASONABLE - CLEARING BY LATE AFTERNOON
Nov-30	CLEAR UNTIL 1130 THEN CUMULUS AND MOSTLY CLOUDY FROM 1415 - 1515 THEN CLEAR SKIES AGAIN
DATE	EXTENSION OF LENGTHY DAILY REMARKS

Nov 2012		West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
Nov	Week	TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD			
2012	Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END		
Nov-01	Thu	58	13:20	39	0:57	19	48.5	1.5	57	2	2									
Nov-02	Fri	58	15:27	35	6:07	23	46.5	-2.0	57	1	1									
Nov-03	Sat	56	15:24	31	5:03	25	43.5	-3.0	55	1	0									
Nov-04	Sun	55	13:11	40	21:00	15	47.5	4.0	55	2	2	T	T	T			0440	0445		
Nov-05	Mon	53	14:14	31	6:28	22	42.0	-5.5	55	0	0									
Nov-06	Tue	46	13:09	28	6:23	18	37.0	-5.0	53	2	2									
Nov-07	Wed	46	14:20	39	5:14	7	42.5	5.5	54	2	2	T	T	T	T		0230	0310		
Nov-08	Thu	62	14:39	34	23:55	28	48.0	5.5	54	2	0	T	T	T	T		0130	0140		
Nov-09	Fri	62	14:55	28	5:57	34	45.0	-3.0	52	0	0									
Nov-10	Sat	71	14:30	34	6:36	37	52.5	7.5	52	0	0									
Nov-11	Sun	75	13:41	41	6:16	34	58.0	5.5	54	0	0									
Nov-12	Mon	74	11:34	50	5:19	24	62.0	4.0	55	0	2									
Nov-13	Tue	66	0:48	35	23:59	31	50.5	-11.5	58	2	1	0.39	0.11	0.02			0235	1225		
Nov-14	Wed	49	14:11	31	6:43	18	40.0	-10.5	53	0	2									
Nov-15	Thu	49	15:24	32	0:17	17	40.5	0.5	53	2	2	T	T	T			2035	2040		
Nov-16	Fri	55	13:54	33	23:43	22	44.0	3.5	53	1	0	T	T	T			0037	0040		
Nov-17	Sat	55	12:59	32	2:34	23	43.5	-0.5	51	0	0									
Nov-18	Sun	55	12:50	42	6:49	13	48.5	5.0	52	2	2									
Nov-19	Mon	53	15:22	40	23:43	13	46.5	-2.0	53	2	2									
Nov-20	Tue	58	13:54	39	23:57	19	48.5	2.0	53	2	2									
Nov-21	Wed	58	12:58	34	6:25	24	46.0	-2.5	52	0	0									
Nov-22	Thu	61	13:52	31	6:56	30	46.0	0.0	51	0	0									
Nov-23	Fri	68	14:01	29	6:07	39	48.5	2.5	50	0	1									
Nov-24	Sat	51	0:01	27	23:56	24	39.0	-9.5	51	0	0									
Nov-25	Sun	50	13:58	24	6:52	26	37.0	-2.0	48	1	1									
Nov-26	Mon	63	13:40	35	5:39	28	49.0	12.0	49	0	0									
Nov-27	Tue	47	0:01	34	23:19	13	40.5	-8.5	51	2	2	0.07	0.02	0.01			0425	1600		
Nov-28	Wed	51	14:34	29	23:56	22	40.0	-0.5	49	1	0									
Nov-29	Thu	53	13:46	24	7:05	29	38.5	-1.5	47	0	0									
Nov-30	Fri	56	13:23	31	6:44	25	43.5	5.0	47	1	2									
TOTAL		1714		1012		702.0	1363.0	-3.5	1574	28	28	0.46	0.13	0.03	T	0	Col.26-27			
NUM		30	30	30	30	30	30	30	30	30	30	2	2	2	0	0	DAILY AVE RH			
AVE.		57.13	12:36	33.73	10:55	23.40	45.43		52.47	0.93	0.93	Ave.Tot.	Ave.Max	Ave.Max	Ave.Tot.	Ave.Days	65.6	Percent		
Normals		61.15		39.73		21.42	50.44		54.63	0.86	1.11	4.14	0.84	0.24	0.0	0.0	70.9	Percent		
Departures		-4.02		-6.00		1.98	-5.01		-2.16	0.07	-0.18	-3.68	-0.71	-0.21	T	0.0	-5.4	Percent		
MAX.	Dates	75		50		39	62.0	12.0	58.0	Whole Day		0.39	0.11	0.02	T	0.0	Precip	24 Hr.		
Dates	1	Nov-11		Nov-12		Nov-23	Nov-12	Nov-26	Nov-13	Ave.	0.93	Nov-13	Nov-13	Nov-13	Nov-07		Amount	0.39		
	2									Normal	0.98				Nov-08		Date	Nov-13		
	3									Depart.	-0.05						Date	---		
MIN.	Dates	46		24		7	37.0	-11.5	47.0	SKY		AM	PM	≥ 0.10	Precip.	≥ 1.00	Precip.	≥ 2.00	Precip.	
Dates	1	Nov-06		Nov-25		Nov-07	Nov-06	Nov-13	Nov-29	CLEAR	13	14		1	DAYS	0	DAYS	0	DAYS	
	2	Nov-07		Nov-29			Nov-25		Nov-30	P.CLO.	6	4								
	3									CLO.	11	12								
		<=32 °F	0	<=32 °F	14	MAX.	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40	≥ 35	≥ 30	≥ 25	≥ 20	
		>=90°F	0	>=70 °F	0		0	1	3	5	9	19	25	30	30	30	30	30	30	

PAGE #2 Nov 2012 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Nov 2012	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	☁	DEW	FROST		
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE									
Nov-01			32.6	13	1435	87	45	29.79	29.67	29.73	0.14							3		
Nov-02			44.8	21	1157	89	33	29.95	29.77	29.86	0.13							3	1	
Nov-03			34.2	18	1038	95	41	30.10	29.95	30.03	0.16								4	
Nov-04			31.4	15	2249	86	46	30.11	29.99	30.05	0.02									
Nov-05			57.2	19	0836	89	40	30.16	30.04	30.10	0.05								3	
Nov-06			58.5	14	1150	94	53	30.20	29.96	30.08	-0.02								5	
Nov-07	0415	0500	97.2	18	0947	79	53	29.96	29.85	29.91	-0.17			1						
Nov-08			39.5	25	1158	75	16	30.17	29.90	30.04	0.13			1						
Nov-09			15.9	13	1130	90	33	30.23	30.07	30.15	0.11								4	
Nov-10			18.2	12	1340	95	26	30.36	30.22	30.29	0.14								2	
Nov-11			49.6	21	1312	90	28	30.46	30.36	30.41	0.12							2		
Nov-12			73.2	21	1127	96	54	30.43	30.15	30.29	-0.12							3		
Nov-13			121.8	21	0403	97	59	30.46	30.13	30.30	0.01									
Nov-14			81.5	18	0932	83	48	30.53	30.42	30.48	0.18								3	
Nov-15			60.3	12	1110	85	67	30.42	30.28	30.35	-0.13									
Nov-16			44.1	18	1020	94	42	30.42	30.27	30.35	-0.01									
Nov-17			90.4	18	1308	92	35	30.56	30.42	30.49	0.15								4	
Nov-18			139.6	20	1904	92	61	30.54	30.43	30.49	-0.01							1		
Nov-19			116.3	20	0241	90	68	30.43	30.20	30.32	-0.17									
Nov-20			24.0	9	0508	92	56	30.20	30.07	30.14	-0.18									
Nov-21			48.7	17	1208	98	32	30.20	30.11	30.16	0.02				2				3	
Nov-22			37.9	14	1150	94	28	30.26	30.15	30.21	0.05								4	
Nov-23			82.6	20	1407	93	31	30.15	29.80	29.98	-0.23								4	
Nov-24			64.3	18	0340	67	32	30.08	29.82	29.95	-0.03									
Nov-25			79.1	18	2122	78	31	30.11	29.97	30.04	0.09								3	
Nov-26			27.4	11	1300	70	25	30.19	30.00	30.10	0.05									
Nov-27			49.5	17	1318	95	55	30.25	30.11	30.18	0.09									
Nov-28			26.1	12	1401	97	48	30.37	30.23	30.30	0.12							4		
Nov-29			22.9	13	1235	96	37	30.48	30.34	30.41	0.11								5	
Nov-30			17.9	9	0848	91	41	30.36	30.29	30.33	-0.09								2	
TOTAL			1686.7	495		2669	1264	907.93	902.97	905.45	0.73	GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST		
Number	Mar. Wind Run		30	30	30	30	30	30	30	30	30									
AVE.	Total	1686.7	56.2	16.5		88.97	42.13	30.26	30.10	30.18										
Normals	Miles	1283.3	32.5	17.31		92.3	49.4	30.20	29.99	30.09										
Departures	Miles	403.4	23.7	-0.81		-3.3	-7.3	0.06	0.11	0.09										
MAXIMUM	Dates		139.6	25	HOUR	98	68	30.56	30.43	30.49	0.18	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - < Ave.								
DATES	1	Nov-18	Nov-08	1158	Nov-21	Nov-19	Nov-17	Nov-18	Nov-17	Nov-14										
	2																			
	3																			
	4																			
MINIMUM	Dates		15.9	9		67	16	29.79	29.67	29.73	-0.23	1. Very Light - Slight - Trace M - Event with intensity missing								
DATES	1	Nov-09	Nov-20		Nov-24	Nov-08	Nov-01	Nov-01	Nov-01	Nov-23										
	2		Nov-30																	
MINIMUM		≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15						
		30	30	30	30	30	30	29	27	22	7	2	0	0						

Nov 2012	REMARKS FOR THE MONTH November - 2012
Nov-01	SUN THROUGH THIN CIRRUS IN AM AND ALTOCUMULUS IN PM-PM80-85% CLOUDY
Nov-02	COLDEST AM SINCE APRIL 12, 2012 WHEN IT WAS 33 °F -CLOUDS CAME IN AT 0915-AM ABOUT 50% CLOUDY-CLEARING AFTER 1400-PM EST. 35% CLOUDY
Nov-03	COLDEST AM SINCE MARCH 11, 2012 WHEN IT WAS 30 °F -HEAVY FROST AROUND 0530 MELTED BY 0730
Nov-04	SOME SUN THROUGH THIN CLOUDS BUT MOST OF SKY WAS COVERED ALL DAY
Nov-05	NO CLOUDS ALL DAY AND COLDEST AM SINCE MARCH 11, 2012 BY 0.2 °F
Nov-06	COLDEST AM SINCE MARCH 6, 2012 WHEN IT WAS 23 °F -MORE SUNLIGHT IN AM THAN PM BUT THROUGH CIRRUS CLOUDS
Nov-07	3RD PD. OF SPRINKLES 0640-0645-SNOW FLURRIES BET. 1900-1945 HARDLY DISCERNIBLE AND 2100-2110 MELTED ON CONTACT WITH SURFACES
Nov-08	SUN THROUGH CIRRUS FROM SUNRISE TO 1100-PRECIP. FROM 0130-0140 THOUGHT TO BE A SNOW FLURRY BUT WAS NOT OBSERVED-SUSPECTED BUT
Nov-09	BEAUTIFUL FALL DAY
Nov-10	ONLY A FEW SCATTERED CIRRUS ALL DAY AND THICK CIRRUS IN WEST AT SUNSET
Nov-11	BEAUTIFUL FALL DAY-CLEAR ALL DAY TO 1545 THEN SOME CIRRUS CLOUDS-14 DEGREES WARMER THAN ANY OTHER NOV. 11 AT GLEN ALLEN
Nov-12	BEAUTIFUL FALL DAY EVEN WARM AT NIGHT-AM ABOUT 20-25% CLOUDY WITH CIRRUS
Nov-13	COLD FRONT PASSED AT 0320- CLEARINGN STARTED AT 1415 AND CLEAR BY 1515
Nov-14	CLEAR AM -FIRST CLOUDS SCATTERED CUMULUS AT 1030-PM SCATTERED CIRRUS TO 1500 THEN SOLID OVERCAST-PM 70-75% CLOUDY
Nov-15	CLOUDY DAMP CHILLY FALL DAY
Nov-16	AM PARTLY CLOUDY EST. CLOUD COVER ABOUT 30-40%-ONLY SLIGHTEST OF SPRINKLES-MOISTURE SENSOR READ 1
Nov-17	
Nov-18	SUN THROUGH THIN CIRRUS IN AM THAT BECAME ALTOCUMULUS IN PM
Nov-19	NO DEW-CLOUDY AND COOL DAY FOR DATE ALSO BREEZY
Nov-20	WINDY AND CLOUDY AM - NO DEW AND 5 DEGREES WARMER TODAY
Nov-21	BEAUTIFUL FALL DAY
Nov-22	ANOTHER BEAUTIFUL FALL DAY-DEEP BLUE SKY AND LOW REL. HUMIDITY OF 28%
Nov-23	COLD FRONT APPROACHING GAVE SOME PM CLOUDS BUT A WARM NOV. DAY
Nov-24	TOO DRY FOR DEW-AM MAX. REL. HUMIDITY WAS ONLY 58% WITH A BREEZE-HIGH REL. HUMIDITY FOR DAY WAS RECORDED AT 2400
Nov-25	LOWEST MIN. TEMP. SINCE MARCH 6, 2012-ALTOCUMULUS FROM 1400-1500
Nov-26	AM WAS ABOUT 30% CLOUDY-ANOTHER BEAUTIFUL FALL DAY
Nov-27	OFF AND ON VERY LIGHT SPRINKLES TODAY AND COOL FOR NOV.
Nov-28	DEW AND FROZEN DEW AND RAIN FROM YESTERDAY-MOSTLY CLOUDY UNTIL 1030-AM EST. 50% CLOUDY
Nov-29	COLDEST DAY SINCE MARCH 6, 2012 WHEN IT WAS 23 °F -EXTREMELY HEAVY FROST
Nov-30	BEAUTIFUL SUNRISE - AM ABOUT 60% CLOUDY WITH CIRRUS BUT WITH SUNLIGHT PASSING THROUGH CLOUDS - PM CLOUDY WITH ALTOSTRATUS
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Nov-08	BASED ON THE OBSERVATIONS OF THE 7TH AND THE MOISTURE SENSOR DID NOT GO ABOVE 2

PAGE #1																			
Nov 2013 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19																			
Nov 2013	Week Day	TEMPERATURE °F				TEMPERATURE °F				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	Fri	71	9:31	65	23:24	6	68.0	4.0	62	2	2	0.02	0.01	T			0705	0710	
Nov-02	Sat	73	13:58	47	23:51	26	60.0	-8.0	62	1	0	T	T	T			2108	2111	
Nov-03	Sun	61	12:16	37	23:58	24	49.0	-11.0	59	0	0								
Nov-04	Mon	50	14:46	34	6:42	16	42.0	-7.0	57	1	2								
Nov-05	Tue	56	13:39	37	3:30	19	46.5	4.5	56	2	2								
Nov-06	Wed	71	13:36	44	6:54	27	57.5	11.0	57	0	2								
Nov-07	Thu	70	11:27	39	23:59	31	54.5	-3.0	59	2	2	0.02	0.01	T			0520	0635	
Nov-08	Fri	58	14:07	31	6:20	27	44.5	-10.0	57	0	0								
Nov-09	Sat	59	14:30	28	6:33	31	43.5	-1.0	54	0	0								
Nov-10	Sun	70	14:15	40	23:58	30	55.0	11.5	54	0	0								
Nov-11	Mon	59	13:09	31	6:49	28	45.0	-10.0	53	1	1								
Nov-12	Tue	50	0:03	30	23:59	20	40.0	-5.0	54	2	2	T	T	T	T	None	0530	0535	
Nov-13	Wed	47	13:28	23	5:53	24	35.0	-5.0	51	0	0								
Nov-14	Thu	62	14:15	26	3:11	36	44.0	9.0	49	0	0								
Nov-15	Fri	61	14:02	37	7:08	24	49.0	5.0	50	2	2	0.02	0.02	0.01			2209	2400	
Nov-16	Sat	57	12:20	49	1:30	8	53.0	4.0	52	2	2	0.61	0.15	0.02			0001	0740	
Nov-17	Sun	68	13:46	50	7:15	18	59.0	6.0	55	2	2	0.02	0.02	0.01			2045	2145	
Nov-18	Mon	72	13:29	49	23:51	23	60.5	1.5	57	0	0	0.19	0.19	0.06			0315	0435	
Nov-19	Tue	52	13:22	38	23:54	14	45.0	-15.5	55	0	0								
Nov-20	Wed	50	14:24	33	6:41	17	41.5	-3.5	53	1	0								
Nov-21	Thu	56	13:52	37	0:01	19	46.5	5.0	52	2	2								
Nov-22	Fri	72	13:38	45	0:01	27	58.5	12.0	53	2	2	T	T	T			1645	1655	
Nov-23	Sat	62	0:01	38	23:58	24	50.0	-8.5	55	2	0								
Nov-24	Sun	38	0:01	21	23:59	17	29.5	-20.5	52	0	0								
Nov-25	Mon	39	14:16	17	4:16	22	28.0	-1.5	48	2	2								
Nov-26	Tue	61	22:31	35	7:36	26	48.0	20.0	48	2	2	1.30	0.35	0.08			0315	0910	
Nov-27	Wed	42	2:25	29	23:55	13	35.5	-12.5	49	2	2	1.50	0.53	0.09	T	None	0001	1645	
Nov-28	Thu	43	14:20	22	7:09	21	32.5	-3.0	47	0	0								
Nov-29	Fri	47	13:03	24	7:08	23	35.5	3.0	45	0	0								
Nov-30	Sat	43	13:41	25	7:08	18	34.0	-1.5	44	1	2								
TOTAL		1720		1061		659.0	1390.5	-30.0	1599	31	31	3.68	1.28	0.27	T	0	Col.26-27		
NUM		30	30	30	30	30	30	30	30	30	30	8	8	6	0	0	DAILY AVE RH		
AVE.		57.33	12:04	35.37	12:09	21.97	46.35		53.30	1.03	1.03	Ave. Tot.	Ave.Max	Ave.Max	Ave.Tot.	Ave.Days	65.2	Percent	
Normals		60.35		38.53		21.81	49.44		54.20	0.87	1.07	4.14	0.70	0.17	0.0	0.0	69.8	Percent	
Departures		-3.02		-3.16		0.16	-3.09		-0.90	0.16	-0.04	-0.46	0.58	0.10	T	0.0	-4.6	Percent	
MAX.	Dates	73		65		36	68.0	20.0	62.0	Whole Day			1.50	0.53	0.09	T	0.0	Precip	24 Hr.
Dates	1	Nov-02		Nov-01		Nov-14	Nov-01	Nov-26	Nov-01	Ave.	1.03	Nov-27	Nov-27	Nov-27	Nov-12		Amount	2.63	
	2								Nov-02	Normal	0.97				Nov-27		Date	Nov-26	
	3									Depart.	0.06						Date	Nov-27	
MIN.	Dates	38		17		6	28.0	-20.5	44.0	SKY	AM	PM	≥ 0.10	Precip.	≥ 1.00	Precip.	≥ 2.00	Precip.	
Dates	1	Nov-24		Nov-25		Nov-01	Nov-25	Nov-24	Nov-30	CLEAR	12	14	4	DAYS	2	DAYS	0	DAYS	
	2									P.CLO.	5	1	HOTTEST	68.0	Highest	Lowest	COOLEST	28.0	
	3									CLO.	13	15	DAY	11-01	Mean	Mean	DAY	11-25	
<=32 °F		0	<=32 °F	12	MAX.	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40	≥ 35	≥ 30	≥ 25	≥ 20	
>=90 °F		0	>=90 °F	0		0	0	7	8	13	19	23	25	28	30	30	30	30	

PAGE #2 Nov 2013 West Henrico Co. - Glen Allen Weather Center 37.6537° N. 77.56929° W. - Koontz																		
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Nov	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST
2013	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE							
Nov-01	1149	1155	167.0	33	3:29	96	75	29.84	29.64	29.74	-0.27						4	
Nov-02			41.6	18	15:35	99	31	29.90	29.64	29.77	0.03				1		5	
Nov-03			58.6	22	11:36	97	30	30.40	29.90	30.15	0.38						4	
Nov-04			75.5	17	11:35	80	38	30.62	30.40	30.51	0.36						1	1
Nov-05			38.1	12	9:30	88	62	30.60	30.46	30.53	0.02						N	
Nov-06			28.2	16	11:49	98	52	30.46	30.09	30.28	-0.26						3	
Nov-07	1245	1315	65.4	17	10:27	99	58	30.09	29.87	29.98	-0.29						R	
Nov-08			30.5	15	14:33	91	31	30.32	30.07	30.20	0.22							3
Nov-09			79.1	20	12:08	98	31	30.37	30.09	30.23	0.04							5
Nov-10			92.4	24	9:21	88	23	30.25	29.97	30.11	-0.12						2	
Nov-11			63.7	20	14:54	86	32	30.33	30.07	30.20	0.09			1				3
Nov-12	0720	0730	135.6	34	11:28	84	39	30.41	29.96	30.19	-0.01						2	
Nov-13			32.3	19	10:02	78	31	30.50	30.40	30.45	0.26							2
Nov-14			68.8	15	13:10	89	17	30.41	30.26	30.34	-0.11							4
Nov-15			75.0	16	13:58	60	26	30.30	30.19	30.25	-0.09						N	
Nov-16	0820	0910	8.1	5	0:09	99	89	30.30	30.22	30.26	0.01				2		R	
Nov-17	2230	2340	39.6	21	23:40	100	71	30.23	29.80	30.02	-0.24				5		5	
Nov-18			65.5	22	2:50	96	26	29.93	29.73	29.83	-0.19						R	
Nov-19			93.3	24	10:54	70	38	30.35	29.92	30.14	0.31						N	
Nov-20			69.3	17	9:42	85	46	30.52	30.35	30.44	0.30						N	
Nov-21			42.9	12	3:13	90	62	30.53	30.40	30.47	0.03						N	
Nov-22	2115	2145	83.7	21	17:54	86	56	30.40	30.01	30.21	-0.26						N	
Nov-23			78.2	20	5:13	89	28	30.15	30.00	30.08	-0.13						N	
Nov-24			98.1	25	10:51	63	23	30.55	30.15	30.35	0.28						N	
Nov-25			44.9	15	13:55	78	29	30.59	30.37	30.48	0.13							3
Nov-26	1043	2400	67.1	24	22:24	99	32	30.38	29.56	29.97	-0.51						R	
Nov-27			70.0	20	12:45	98	66	30.09	29.50	29.80	-0.17			1	1		R	
Nov-28			18.2	11	12:08	83	37	30.48	30.09	30.29	0.49							2
Nov-29			50.4	16	13:06	90	38	30.69	30.44	30.57	0.28							4
Nov-30			28.0	10	9:12	89	48	30.69	30.36	30.53	-0.04							3
TOTAL			1909.1	561		2646	1265	910.68	901.91	906.30	0.51							
Number	Mar. Wind Run		30	30	30	30	30	30	30	30	30							
AVE.	Total	1909.1	63.6	18.7	11:23	88.20	42.17	30.36	30.06	30.21								
Normals	Miles	1364.0	32.5	17.15		91.6	48.0	30.21	30.01	30.11								
Departures	Miles	545.1	31.1	1.55		-3.4	-5.8	0.15	0.05	0.10								
MAXIMUM	Dates	167.0	34	NNE	100	89	30.69	30.46	30.57	0.49								
DATES	1	Nov-01	Nov-12	11:28	Nov-17	Nov-16	Nov-29	Nov-05	Nov-29	Nov-28								N- None
	2																	
	3																	
	4																	
MINIMUM	Dates	8.1	5		60	17	29.84	29.50	29.74	-0.51								
DATES	1	Nov-16	Nov-16		Nov-15	Nov-14	Nov-01	Nov-27	Nov-01	Nov-26								
	2																	
MINIMUM	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=30	<=25	<=20	<=15					
	30	30	30	29	29	29	25	23	15	10	6	1	0					

Nov 2013	REMARKS FOR THE MONTH November - 2013
Nov-01	3RD PD. OF PRECIP. 1510-1515-CLOUDY AND BREEZY TODAY
Nov-02	VERY HEAVY DEW-SOME AM ALTOCUMULUS TO EAST AND PM ONLY A FEW FAIR WEATHER CUMULUS-COLD FRONT PASSED AT 1900
Nov-03	ONLY A FEW FAIR WEATHER CUMULUS FROM 1015-1215-COLD FRONT PASSED AT ABOUT 0830
Nov-04	VERY LIGHT FROST AND DEW-CLEAR TO 0900 THEN THIN CIRRUS TO 1455 THEN ALTOCUMULUS AND THIN PM CIRRUS
Nov-05	MOSTLY CLOUDY ALL DAY WITH MAINLY ALTOCUMULUS CLOUDS AND A NNE TO NE WIND
Nov-06	CLOUDS CAME IN AT 0930-BEAUTIFUL PM ALTOCUMULUS STRATIFORMIS CLOUDS - ONLY CALLED ALTOCUMULUS UNDULATUS
Nov-07	MOSTLY CLOUDY ALL DAY-A FEW BROKEN SKY PDS. BETWEEN 0915-1100
Nov-08	SOME CUMULUS FROM 1045-1400 BUT BECAUSE CLOUDS WERE SPLIT BET. AM AND PM NOT ENOUGH CLOUDS TO GO PARTLY CLOUDY
Nov-09	HEAVY FROST AND VERY CLEAR DAY
Nov-10	VERY LITTLE DEW BECAUSE OF WIND BUT A VERY CLEAR AND WARM DAY FOR NOV.
Nov-11	THIN CIRRUS 0745-0815 AND THICKER FIBROUS CIRRUS FROM 0930-1045-SOME CIRRUS BUT MOSTLY IN PM
Nov-12	SNOW FLURRIES FROM 1225-1245 AND HARDEST AT ABOUT 1240 BUT IT MELTED ON CONTACT-3RD PD. OF SNOW FLURRIES 1225-1245-WIND MADE IT
Nov-13	COLDEST SINCE 3/22/2013 WHEN IT WAS 22 °F -COLDER TODAY BUT FELT WARMER WITH SUNNY CONDITIONS AND LITTLE WIND
Nov-14	2ND LOWEST REL. HUMIDITY FOR NOV. - ONLY NOV. 8, 2012 HAD A LOWER REL. HUMIDITY FOR NOV. AT 16%
Nov-15	CLEAR START TO DAY BUT CIRRUS BY 0645 AND CLOUDY WITH CIRRUS BY 0800 AND ALTOCUMULUS CAME IN AFTER THAT
Nov-16	CLOUDY, DAMP WET DAY WITH A LITTLE FOG
Nov-17	HEAVY AM FOG-VISIBILITY AT MIN. AROUND 0700 0.2 MILE-CLOUDY WITH ONLY A FEW BREAKS IN CLOUDS-VERY WARM FOR NOV.
Nov-18	TOTALLY CLOUDY UNTIL 0715 THEN PC TO 0900-VERY CLEAR REST OF DAY AND BEAUTIFUL FOR NOV.-AM CLOUDINESS EST. 25-30%
Nov-19	VERY CLEAR BUT COOL AND BREEZY DAY
Nov-20	BREEZY DAY WITH LOW REL. HUMIDITY AND NO DEW-CIRRUS FROM SUNRISE TO 0930-MOSTLY CLEAR 1045-1615 THEN CIRRUS AGAIN IN WEST
Nov-21	CLOUDY ALL DAY WITH VERY FEW BREAKS IN CLOUDS
Nov-22	CLOUDY TO 1100 AND CLEAR 1130-NOON AND PC TO 1345 THEN CLOUDY AGAIN
Nov-23	AM JUST A FEW BREAKS IN CLOUDS EST. 95% CLOUDY-PM EST. ABOUT 15-20% CLOUDY
Nov-24	VERY LOW DEW POINT OF 0.7 °F AT 1643-CLEAR, WINDY AND COLD FOR NOV. AND +3 °F ABOVE 116 YEAR REC. LOW MAXIMUM AT AIRPORT
Nov-25	COLDEST SINCE 2/18/2013 WHEN IT WAS 16 °F -CLOUDY UNTIL 1045 THEN BROKEN OVERCAST-CLOUD TYPES MAINLY CIRRUS AND ALTOCUMULUS
Nov-26	SLEET TO WEST BUT ONLY RAIN HERE
Nov-27	SLEET MAINLY BET. 1310-1320 AND FEW WET SNOW FLAKES AROUND 1400-ALL MELTED WITHIN 5-10 MINS.
Nov-28	CLEARED OFF QUICKLY LAST NIGHT AND GRASS HAD FROZEN RAIN WITH ALSO A LIGHT FROST
Nov-29	VERY CLEAR DAY AND A LITTLE WARMER
Nov-30	HIGHEST BAROMETER SINCE 3/6/2012 WHEN IT WAS 30.71
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Nov-12	FEEL LIKE A COLD WINTER'S DAY

PAGE #1																				
Nov 2014 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																				
Nov		Week		TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD	
2014	Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END		
Nov-01	Sat	50	11:18	39	4:33	11	44.5	-5.0	59	2	2	0.02	0.01		T		1030	1325		
Nov-02	Sun	53	14:28	30	23:58	23	41.5	-3.0	56	2	0	T	T	T			0705	0715		
Nov-03	Mon	65	14:40	28	2:54	37	46.5	5.0	54	0	0									
Nov-04	Tue	74	15:16	45	6:35	29	59.5	13.0	56	1	2	T	T	T			0310	0315		
Nov-05	Wed	65	14:56	51	6:09	14	58.0	-1.5	57	2	2									
Nov-06	Thu	66	14:10	47	23:30	19	56.5	-1.5	58	2	2	0.12	0.06	0.02			0329	0810		
Nov-07	Fri	62	13:33	33	23:58	29	47.5	-9.0	57	0	0									
Nov-08	Sat	56	6:58	27	6:01	29	41.5	-6.0	55	0	1									
Nov-09	Sun	59	12:37	40	23:58	19	49.5	8.0	55	2	2									
Nov-10	Mon	67	14:08	34	5:55	33	50.5	1.0	53	0	0									
Nov-11	Tue	73	13:42	39	4:02	34	56.0	5.5	54	1	2	0.04	---	0.01			1750	1850		
Nov-12	Wed	73	13:49	48	23:18	25	60.5	4.5	58	1	0	0.01	0.01	T						
Nov-13	Thu	48	0:01	36	23:27	12	42.0	-18.5	57	2	2	0.12	0.10	0.01	T	None	0523	0525		
Nov-14	Fri	44	14:19	25	23:51	19	34.5	-7.5	54	1	1	0.01	0.01	T			0001	0120		
Nov-15	Sat	47	13:14	20	6:53	27	33.5	-1.0	50	0	0									
Nov-16	Sun	50	14:33	30	0:01	20	40.0	6.5	50	2	2									
Nov-17	Mon	56	15:29	43	23:57	13	49.5	9.5	52	2	2	1.00	0.53	0.10			0025	0245		
Nov-18	Tue	43	0:01	20	23:42	23	31.5	-18.0	51	0	0									
Nov-19	Wed	40	14:12	15	7:05	25	27.5	-4.0	47	0	0									
Nov-20	Thu	57	13:46	33	23:52	24	45.0	17.5	46	0	0									
Nov-21	Fri	43	14:19	24	23:40	19	33.5	-11.5	46	0	0									
Nov-22	Sat	51	14:24	19	6:44	32	35.0	1.5	44	0	0									
Nov-23	Sun	59	23:57	35	3:37	24	47.0	12.0	45	2	2	0.24	0.17	0.04			1533	2400		
Nov-24	Mon	74	13:49	59	0:01	15	66.5	19.5	50	1	0	0.10	0.10	0.02			0001	0130		
Nov-25	Tue	66	0:01	50	21:20	16	58.0	-8.5	54	2	2	T	T	T			2325	2400		
Nov-26	Wed	50	0:01	35	15:09	15	42.5	-15.5	53	2	2	1.29	0.28	0.03	T	None	0001	1830		
Nov-27	Thu	46	12:22	30	23:46	16	38.0	-4.5	50	2	2	0.01	0.01	T			0440	0915		
Nov-28	Fri	44	13:32	25	5:49	19	34.5	-3.5	48	0	0									
Nov-29	Sat	51	13:54	25	2:36	26	38.0	3.5	46	1	2									
Nov-30	Sun	69	14:16	40	4:45	29	54.5	16.5	47	0	0									
TOTAL		1701		1025		676.0	1363.0	5.0	1562	30	30	2.96	1.28	0.23	T	0	Col.26-27			
NUM		30	30	30	30	30	30	30	30	30	30	11	10	7	0	0	DAILY AVE RH			
AVE.		56.70	12:11	34.17	13:10	22.53	45.43		52.07	1.00	1.00	Ave. Tot.	Ave.Max	Ave.Max	Ave.Tot.	Ave.Days	66.4	Percent		
Normals		59.84		38.01		19.64	48.93		54.05	0.90	1.07	4.13	0.67	0.16	0.0	0.0	69.0	Percent		
Departures		-3.14		-3.84		2.89	-3.50		-1.98	0.10	-0.07	-1.17	0.61	0.07	T	0.0	-2.6	Percent		
MAX.		74		59		37	66.5	19.5	59.0	Whole Day			1.29	0.53	0.10	T	0.0	Precip	24 Hr.	
Dates		1	Nov-04	Nov-24		Nov-03	Nov-24	Nov-24	Nov-01	Ave.	1.00	Nov-26	Nov-17	Nov-17	Nov-13		Amount	1.29		
		2								Normal	0.98				Nov-26		Date	Nov-26		
		3								Depart.	0.02						Date	---		
MIN.		40		15		11	27.5	-18.5	44.0	SKY	AM	PM	≥ 0.10	Precip.	≥ 1.00	Precip.	≥ 2.00	Precip.		
Dates		1	Nov-19	Nov-19		Nov-01	Nov-19	Nov-13	Nov-22	CLEAR	12	14	6	DAYS	2	DAYS	0	DAYS		
		2								P.CLO.	6	2	HOTTEST	66.5	Highest	Lowest	COOLEST	27.5		
		3								CLO.	12	14	DAY	11-24	Mean	Mean	DAY	11-19		
<=32 °F		0	<=32 °F	13	MAX.	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40	≥ 35	≥ 30	≥ 25	≥ 20		
>=90 °F		0	>=70 °F	0		0	0	4	10	11	16	22	25	30	30	30	30	30		

PAGE #2 Nov 2014 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																			
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
Nov	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	☁	DEW	FROST	
2014	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE								
Nov-01	1450	1605	114.7	26	22:28	91	63	29.89	29.73	29.81	-0.11						3		
Nov-02			141.4	33	0:44	85	32	30.27	29.88	30.08	0.26						N		
Nov-03			47.6	15	21:27	91	23	30.38	30.25	30.32	0.24							5	
Nov-04			78.6	22	20:24	70	21	30.25	30.14	30.20	-0.12						N		
Nov-05			39.4	17	1:27	78	44	30.21	30.10	30.16	-0.04						N		
Nov-06	1100	1235	77.8	25	13:57	95	69	30.10	29.67	29.89	-0.27						P		
Nov-07			46.6	23	15:27	93	32	30.07	29.75	29.91	0.02						P		
Nov-08			40.7	18	15:32	96	38	30.12	29.94	30.03	0.12							4	
Nov-09			22.0	13	1:05	93	46	30.05	29.90	29.98	-0.05						2		
Nov-10			19.9	11	12:23	99	38	30.15	30.03	30.09	0.11						4	3	
Nov-11	2005	2210	9.8	7	10:20	98	58	30.08	29.89	29.99	-0.11						4		
Nov-12			74.7	21	19:26	99	37	30.09	29.87	29.98	0.00				4		P		
Nov-13	1350	1410	93.1	19	3:43	94	54	30.14	30.02	30.08	0.10		1	1			P		
Nov-14			68.4	19	10:24	95	34	30.32	30.05	30.19	0.11						P		
Nov-15			16.6	15	10:03	86	30	30.45	30.31	30.38	0.19							4	
Nov-16			35.4	16	12:16	78	35	30.38	30.04	30.21	-0.17							2	
Nov-17	0325	0430	40.5	25	14:41	99	78	30.04	29.55	29.80	-0.41				3	1	P		
Nov-18			37.9	18	8:21	76	29	30.29	29.79	30.04	0.24						P		
Nov-19			86.2	23	22:30	83	30	30.39	30.13	30.26	0.22							4	
Nov-20			115.5	26	9:41	68	31	30.13	29.92	30.03	-0.23						N		
Nov-21			28.2	17	9:53	73	26	30.56	30.10	30.33	0.31						N		
Nov-22			70.2	22	9:44	88	26	30.56	30.29	30.43	0.09							4	
Nov-23			53.5	19	22:27	97	42	30.30	29.76	30.03	-0.39						N		
Nov-24			209.9	35	15:12	97	52	30.09	29.68	29.89	-0.15						P		
Nov-25			41.4	15	1:30	97	61	30.14	29.82	29.98	0.10						4		
Nov-26			74.8	21	7:26	100	74	30.11	29.85	29.98	0.00		1	1			P		
Nov-27	1000	1015	12.2	16	14:36	99	78	30.20	30.00	30.10	0.12						P		
Nov-28			15.9	14	12:07	94	39	30.34	30.19	30.27	0.16							5	
Nov-29			62.7	21	15:15	92	42	30.33	30.20	30.27	0.00							5	
Nov-30			136.6	30	15:09	78	42	30.22	30.10	30.16	-0.11						N		
TOTAL			1912.2	602		2682	1304	906.65	898.95	902.80	0.24	0	2	2	2	1	5	9	
Number	Mar. Wind Run		30	30	30	30	30	30	30	30	30								
AVE.	Total		1912.2	63.7	20.1	12:19	89.40	43.47	30.22	29.97	30.09								
Normals	Miles		1454.8	48.5	0.00		91.1	47.0	30.23	30.02	30.23								
Departures	Miles		457.4	15.2	20.07		-1.7	-3.5	-0.01	-0.05	-0.14								
MAXIMUM	Dates		209.9	35	SSW	100	78	30.56	30.31	30.43	0.31								
DATES	1		Nov-24	Nov-24	15:12	Nov-26	Nov-17	Nov-21	Nov-15	Nov-22	Nov-21	5. Very Heavy						N- None	
	2						Nov-27	Nov-22				4. Heavy-Unusual							
	3											3. Moderate - Ave.							
	4											2. Light - < Ave.							
MINIMUM	Dates		9.8	7		68	21	29.89	29.55	29.80	-0.41	1. Very Light - Slight - Trace							
DATES	1		Nov-11	Nov-11		Nov-20	Nov-04	Nov-01	Nov-17	Nov-17	Nov-17	M - Event with intensity missing							
	2											P - Rain hindering Dew Observation							
MINIMUM	≤ 75		≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15					
	30		30	30	30	29	28	25	23	18	13	8	4	1					

Nov 2014	REMARKS FOR THE MONTH November - 2014
Nov-01	CLOUDY DAMP CHILLY DAY - ABOUT 4 INS. OF SNOW FELL IN ASHEVILLE, NC & 22 INS. AT MT. LECONTE, TN
Nov-02	CLOUDS CLEARED AROUND 1100 & PM WAS VERY CLEAR BUT WINDY
Nov-03	1ST KILLING FROST - COLDEST SINCE MARCH 23, 2014 WHEN IT WAS 25°F
Nov-04	SUN THROUGH THIN AM CIRRUS AND PM CLOUDS BECAME THICK CIRROSTRATUS
Nov-05	CLOUDY MOST OF DAY
Nov-06	3RD PD. OF PRECIP. 1745-2200-A LITTLE PERIOD OF CLEARING FROM 1615-1645 THEN CLOUDY AGAIN
Nov-07	VERY CLEAR UNTIL 1100 THEN CLOUDY TO 1230 FOLLOWED BY CLEAR SKY REST OF THE DAY
Nov-08	AM CLOUDS CAME IN AT 1145 AND PM HAD MAINLY CIRRUS CLOUDS-COLDEST SINCE MARCH 23 WHEN IT WAS 25°F -VIRGA SEEN FROM CIRRUS IN PM
Nov-09	ONLY CLEAR TO 0700 THEN SUN THROUGH CIRROSTRATUS THAT BECAME THICKER INTO PM
Nov-10	GRASS SHOWED EARLY MORNING WHITENESS FROM FROST
Nov-11	CLOUDY TO 0845 THEN CLEAR TO 1345 AND MOSTLY CLOUDY IN PM-DRIZZLE AFTER DARK
Nov-12	ONLY FOG AND VERY LIGHT DRIZZLE CAUSED RAIN TRIPPING BUCKET GAUGE TO TRIP-FOG CLEARED AT 0830
Nov-13	CLOUDY DAMP AND CHILLY DAY-3RD PD. OF PRECIP. 1830-1835, 4TH PD. 1950-2000, 5TH PD. 2050-2400
Nov-14	A TRACE OF SLEET FROM 2235-2245 AND SNOW 2300 TO 2300-2320-VERY LOW DEW POINT OF 16.4°F AT 2030
Nov-15	FROST WOULD HAVE BEEN HEAVIER IF DEW POINT NOT SO LOW AND AIR DRY-LOWEST MIN. TEMP. SINCE MARCH 4, 2014 WHEN IT WAS 7°F
Nov-16	FROST AT MIDNIGHT THAT MELTED BY 0200 AND EVAPORATED BY SUNRISE
Nov-17	THUNDER AT 1109 - ONLY ONE- MAX. RAIN RATE 0.10 AT 1105-1110-3RD PD. OF PRECIP. 0750-1810
Nov-18	FROZEN RESIDUAL RAIN ON DECK-PM MOSTLY PC BECAUSE OF THIN CIRRUS EST. 30% CLOUDY-LOW DEW POINT 5.3°F AT 1743
Nov-19	COLDEST ON REC. FOR NOV. AT 15.1°F -OLD REC. WAS 17°F LAST YEAR ON NOV. 25-CLEAR BUT COLD DAY
Nov-20	MUCH WARMER AS LOW PRESSURE PASSED TO OUR N PULLING A WARM FRONT THROUGH GLEN ALLEN-WIND AT NIGHT KEPT DEW/FROST FROM FORMING
Nov-21	A COLD DAY FOR NOV. - LOW REL. HUMIDITY AND MIN. DEW POINT WAS 8.2°F AT 1645-NO CLOUDS TODAY
Nov-22	MOSTLY SUNNY-ONLY A FEW EXTREMELY THIN CIRRUS SEEN DURING DAY
Nov-23	ALTOSTRATUS IN AM THAT LOWERED TO STRATUS IN PM AND MUCH WARMER TEMPS.
Nov-24	REC. WARMTH AND VERY WINDY-209.9 MILES HIGHEST WIND RUN SINCE JAN. 30, 2013 WITH 225.6 MILES
Nov-25	LOW PRESSURE IN FORECAST TO MOVE UP COAST AND GIVE INTERIOR NE SNOW
Nov-26	ONLY - 0.03 INS. OF PRECIP. FELL IN FROZEN FORM-MAX. SNOW AMOUNT OCCURRED AROUND 1515 BUT WAS ONLY A TRACE
Nov-27	1245-1300 AND 1440-1520 ON AND OFF SPRINKLES
Nov-28	PM CLOUDS FROM 1500-SUNSET-PM EST. ABOUT 25-30% CLOUDY
Nov-29	HEAVY FROST - 1ST CLOUDS AT 0900 AND CLEAR AGAIN AT 1015-1115 THEN CLOUDY-PM WAS CLOUDY WITH MAINLY CIRRUS AND ALTOCUMULUS CAME IN
Nov-30	SUNNY WINDY DAY WITH MUCH WARMER TEMPS. - PLEASANT FOR THE END OF NOV.
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Nov-29	FROM 1500-1530 THEN BACK TO CIRRUS MAINLY TO SUNSET

PAGE #1																																					
Nov 2015 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																																					
1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
Nov	Week	TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD																				
2015	Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END																			
Nov-01	Sun	65.6	14:29	54.3	0:05	11.3	60.0	12.3	59	2	2	0.03	0.02	0.01			0420	0435																			
Nov-02	Mon	61.3	14:56	55.1	23:57	6.2	58.2	-1.7	61	2	2	0.05	0.04	0.01			0600	0845																			
Nov-03	Tue	74.0	13:52	51.1	6:54	22.9	62.6	4.3	60	0	0																										
Nov-04	Wed	75.9	13:11	48.7	5:04	27.2	62.3	-0.2	60	1	2	0.33	0.25	0.06			1545	1550																			
Nov-05	Thu	74.3	14:35	59.9	6:32	14.4	67.1	4.8	62	2	1																										
Nov-06	Fri	79.1	14:16	62.7	0:01	16.4	70.9	3.8	63	1	0																										
Nov-07	Sat	68.5	12:55	51.4	23:57	17.1	60.0	-11.0	64	2	2	0.20	0.05	0.01			0755	0800																			
Nov-08	Sun	56.4	13:23	38.6	22:38	17.8	47.5	-12.5	62	2	2																										
Nov-09	Mon	53.7	23:12	37.9	1:47	15.8	45.8	-1.7	58	2	2	2.72	0.76	0.08			0800	0805																			
Nov-10	Tue	58.5	13:30	48.4	23:59	10.1	53.5	7.7	57	2	2	0.55	0.17	0.04			0001	0450																			
Nov-11	Wed	68.0	13:28	42.0	6:12	26	55.0	1.6	57	0	1																										
Nov-12	Thu	71.7	14:25	45.3	2:37	26.4	58.5	3.5	57	2	1	T	T	T			1245	1310																			
Nov-13	Fri	66.4	13:33	41.2	23:56	25.2	53.8	-4.7	57	1	0																										
Nov-14	Sat	58.5	13:10	35.5	23:58	23	47.0	-6.8	55	0	0																										
Nov-15	Sun	66.4	13:54	29.5	6:22	36.9	48.0	1.0	53	0	0																										
Nov-16	Mon	69.7	14:00	35.6	6:32	34.1	52.7	4.7	52	0	0																										
Nov-17	Tue	67.2	13:54	44.9	0:01	22.3	56.1	3.4	53	2	2																										
Nov-18	Wed	70.7	12:15	49.0	6:31	21.7	59.9	3.8	56	1	2	0.13	0.12	0.03			1325	1608																			
Nov-19	Thu	67.5	15:27	57.9	23:59	9.6	62.7	2.9	58	2	2	0.56	0.15	0.05			0224	1615																			
Nov-20	Fri	58.8	13:58	36.7	23:47	22.1	47.8	-15.0	58	0	0																										
Nov-21	Sat	58.8	14:19	30.8	6:50	28	44.8	-3.0	54	0	0																										
Nov-22	Sun	49.6	0:33	35.7	23:36	13.9	42.7	-2.1	54	2	2																										
Nov-23	Mon	44.2	14:07	27.3	6:01	16.9	35.8	-6.9	51	0	0																										
Nov-24	Tue	58.2	13:08	26.4	6:48	31.8	42.3	6.6	49	0	0																										
Nov-25	Wed	59.0	12:54	28.3	6:28	30.7	43.7	1.4	49	0	0																										
Nov-26	Thu	66.9	14:20	35.0	4:42	31.9	51.0	7.3	49	0	0																										
Nov-27	Fri	69.0	12:42	38.1	6:48	30.9	53.6	2.6	50	1	2																										
Nov-28	Sat	71.2	14:52	44.7	4:18	26.5	58.0	4.4	51	2	2																										
Nov-29	Sun	59.7	3:59	44.7	23:41	15	52.2	-5.8	54	2	2	0.09	0.03	0.01			0310	0315																			
Nov-30	Mon	44.9	0:01	40.4	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																			
MAXIMUM	Dates	79.1		62.7		36.9	70.9	12.3	64.0	Whole Day			2.72	0.76	0.08	0	0.0	Precip	24 Hr.																		
Max ≥70°F	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																			
MINIMUM	Dates	44.2		26.4		4.5	35.8	-15.0	49.0	SKY	AM	PM	≥ 0.10	Precip.	≥ 1.00	Precip.	≥ 2.00	Precip.																			
MIN >32°F	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	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	>=90 °F	0		0	2	8	17	19	26	28	29	30	30	30	30	30																			

PAGE #2 Nov 2015 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																			
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
Nov 2015	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	☁	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								
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								
	1		Nov-06	Nov-06	14:03	Nov-06	Nov-10	Nov-26	Nov-26	Nov-26	Nov-14	5. Very Heavy						N- None	
	2											4. Heavy-Unusual							
	3											3. Moderate - Ave.							
	4											2. Light - < Ave.							
MINIMUM DATES	Dates		4.6	6		71	21	30.00	29.66	29.83	-0.29	1. Very Light - Slight - Trace							
	1		Nov-11	Nov-02		Nov-23	Nov-13	Nov-12	Nov-12	Nov-12	Nov-10	M - Event with intensity missing							
	2											P - Rain hindering Dew Observation							
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				

Nov 2015	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

PAGE #1 Nov 2016 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Nov	Week	TEMPERATURE °F				TEMPERATURE °F				SKY		PRECIPITATION			FROZ. PRECIP.		1st PERIOD		
2016	Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM	PM	Liquid	1 Hr.	5 Min.	NEW	GROUND	START	END	
Nov-01	Tue	61.1	14:24	44.6	1:38	16.5	52.9	-2.8	61	2	2	T	T	T			2145	2150	
Nov-02	Wed	78.8	15:30	51.7	1:27	27.1	65.3	12.4	61	0	0								
Nov-03	Thu	84.1	14:18	57.7	5:40	26.4	70.9	5.7	62	1	2	0.12	0.07	0.01			1617	1648	
Nov-04	Fri	65.9	13:19	42.2	23:57	23.7	54.1	-16.9	64	0	0	0.26	0.17	0.03			0001	0410	
Nov-05	Sat	65.1	15:08	37.8	7:53	27.3	51.5	-2.6	59	0	0								
Nov-06	Sun	71.3	13:02	36.8	6:33	34.5	54.1	2.6	57	0	0								
Nov-07	Mon	59.6	14:00	36.9	23:55	22.7	46.3	-5.8	57	0	0								
Nov-08	Tue	69.0	12:50	32.7	6:27	36.3	50.9	2.6	55	0	2								
Nov-09	Wed	64.1	13:34	46.4	23:57	17.7	55.3	4.4	57	2	2	0.03	0.02	0.01			0440	0450	
Nov-10	Thu	63.0	14:01	36.3	6:52	26.7	49.7	-5.6	56	0	0								
Nov-11	Fri	68.8	13:22	38.2	6:59	30.6	53.5	3.9	55	0	1								
Nov-12	Sat	53.5	13:41	29.9	23:30	23.6	41.7	-11.8	55	0	0								
Nov-13	Sun	64.7	14:00	26.2	5:06	38.5	45.5	3.8	52	0	0								
Nov-14	Mon	48.9	11:02	29.9	3:36	19.0	39.4	-6.1	51	2	2	0.56	0.12	0.02			0930	2050	
Nov-15	Tue	61.3	13:58	39.2	23:47	22.1	50.3	10.9	52	2	1	0.01	0.01	T			0001	0255	
Nov-16	Wed	66.4	14:25	33.8	6:47	32.6	50.1	-0.1	52	0	0								
Nov-17	Thu	64.6	13:56	35.6	7:01	29.0	50.1	0.0	52	0	0								
Nov-18	Fri	72.3	14:01	36.6	5:41	35.7	54.5	4.4	52	0	0								
Nov-19	Sat	74.9	13:19	39.2	23:58	35.7	57.1	2.6	52	0	2								
Nov-20	Sun	52.6	12:42	30.6	23:54	22.0	41.6	-15.5	52	2	0								
Nov-21	Mon	51.4	13:48	25.9	23:57	25.5	38.7	-3.0	49	0	0								
Nov-22	Tue	53.7	13:18	21.8	4:21	31.9	37.8	-0.9	47	1	2								
Nov-23	Wed	56.3	14:08	25.2	7:11	31.1	40.8	3.0	46	0	2								
Nov-24	Thu	66.2	14:15	40.5	0:23	25.7	53.4	12.6	48	2	0	T	T	T			0515	0550	
Nov-25	Fri	65.4	14:58	47.0	0:01	18.4	56.2	2.9	51	2	2	T	T	T			0245	0250	
Nov-26	Sat	54.9	13:31	32.2	23:59	22.7	43.6	-12.7	52	2	1	0.02	0.02	0.01			0055	0145	
Nov-27	Sun	55.2	13:14	26.3	6:31	28.9	40.8	-2.8	49	0	0								
Nov-28	Mon	53.6	13:58	33.4	0:01	20.2	43.5	2.8	48	2	2								
Nov-29	Tue	68.7	12:15	49.7	0:01	19.0	59.2	15.7	50	2	2	0.07	0.04	0.01			0350	0615	
Nov-30	Wed	71.6	14:37	60.5	2:46	11.1	66.1	6.8	54	2	2	0.57	0.35	0.12			0355	0725	
TOTAL NUMBER		1907	30	1125	30	782.2	1515.9	10.4	1608	24	27	1.64	0.80	0.21	0	0	Col.26-27 DAILY AVE RH		
AVERAGE		63.57	13:45	37.49	10:15	26.07	50.53		53.60	0.80	0.90	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	68.9	Percent	
NORMALS		60.35		38.03		22.32	49.19		53.98	0.92	1.05	3.82	0.63	0.14	0.0	0.0	69.3	Percent	
DEPARTURES		3.22		-0.54		3.76	1.34		-0.38	-0.12	-0.15	-2.18	0.17	0.07	0.0	0.0	-0.3	Percent	
Max ≥70°F	Dates	84.1		60.5		38.5	70.9	15.7	64.0	Whole Day			0.57	0.35	0.12	0	0.0	Precip	24 Hr.
6 DAYS	1	Nov-03		Nov-30		Nov-13	Nov-03	Nov-29	Nov-04	AVERAGE	0.85	Nov-30	Nov-30	Nov-30			Amount	0.57	
Departure	2									Normal	0.98						Date	Nov-14	
6.0	3									Depart.	-0.13						Date	15" & 30"	
MINIMUM	Dates	48.9		21.8		11.1	37.8	-16.9	46.0	SKY	AM	PM	≥ 0.10	Precip.	≥ 1.00	Precip.	≥ 2.00	Precip.	
MIN >32°F	1	Nov-14		Nov-22		Nov-30	Nov-22	Nov-04	Nov-23	CLEAR	17	15	4	DAYS	0	DAYS	0	DAYS	
21	2									PT. CLO.	2	3	HOTTEST	70.9	Highest	Lowest	COOLEST	37.8	
DAYS	3									CLOUDY	11	12	DAY	11-03	Mean	Mean	DAY	11-22	
Departure	≤ 32°F	0		9		MAX. DAYS	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40	≥ 35	≥ 30	≥ 25	≥ 20
12.6	≥ 90°F	0		0			1	3	6	16	21	24	29	30	30	30	0	30	30

PAGE #2		Nov 2016 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																
Nov 2016	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							
Nov-01			20.5	12	12:29	97	64	30.36	30.27	30.32	0.18						4	
Nov-02			14.7	10	11:00	97	58	30.33	30.17	30.25	-0.06						3	
Nov-03	1855	2400	22.5	17	13:08	99	40	30.18	29.96	30.07	-0.18						5	
Nov-04			64.2	21	9:36	97	41	30.30	30.01	30.16	0.09						P	
Nov-05			6.3	13	10:44	98	39	30.40	30.28	30.34	0.18						4	2
Nov-06			28.5	20	13:45	99	32	30.39	30.26	30.33	-0.01						4	2
Nov-07			41.4	18	8:58	95	39	30.59	30.37	30.44	0.11						3	1
Nov-08			9.2	11	14:40	99	31	30.38	30.01	30.20	-0.24						1	3
Nov-09	0550	0945	29.9	18	20:26	95	63	30.05	29.87	29.96	-0.23						P	
Nov-10			50.4	20	3:34	93	33	30.16	29.91	30.04	0.07						3	
Nov-11			49.2	23	22:15	84	32	30.20	29.86	30.03	0.00						1	
Nov-12			56.5	18	1:11	94	35	30.45	30.19	30.32	0.29						N	
Nov-13			9.9	10	9:34	97	22	30.33	30.17	30.25	-0.07							5
Nov-14	2125	2400	11.5	9	15:46	97	63	30.17	29.98	30.08	-0.17							4
Nov-15			9.6	11	12:58	99	57	29.99	29.87	29.93	-0.15				3		P	
Nov-16			16.4	12	13:01	99	39	30.01	29.88	29.95	0.02						2	3
Nov-17			24.3	16	9:30	99	42	30.17	30.01	30.09	0.15						4	1
Nov-18			4.0	10	10:51	99	37	30.25	30.07	30.16	0.07						4	1
Nov-19			66.7	23	12:31	99	37	30.08	29.72	29.90	-0.26						4	
Nov-20			57.8	23	14:21	68	30	29.99	29.90	29.95	0.05						N	
Nov-21			29.7	21	13:59	78	25	30.15	29.95	30.05	0.10							2
Nov-22			13.4	13	12:38	85	22	30.35	30.14	30.25	0.20							4
Nov-23			7.4	9	10:51	93	28	30.40	30.26	30.33	0.08							4
Nov-24	0800	0805	29.5	15	12:19	97	52	30.27	30.13	30.20	-0.13						N	
Nov-25	2325	2330	17.3	12	23:43	100	66	30.27	30.11	30.19	-0.01						4	
Nov-26			69.6	21	14:53	91	40	30.25	30.13	30.19	0.00						P	
Nov-27			10.6	12	12:44	96	37	30.30	30.20	30.25	0.06							5
Nov-28			41.6	19	12:09	88	47	30.23	30.04	30.14	-0.12						3	2
Nov-29	1225	1445	138.9	35	15:33	100	74	30.04	29.80	29.92	-0.21						P	
Nov-30	2050	2250	90.1	32	20:34	100	78	29.93	29.59	29.76	-0.16					1	P	
TOTAL NUMBER	Mar. Wind Run		1041.6	504	30	2832	1303	906.88	901.11	904.00	TOTAL	0	0	0	1	1	15	14
AVERAGE	Total		34.7	16.8	12:59	94.40	43.43	30.23	30.04	30.13	DEPART.	0.0	0.3	0.8	2.6	0.8	11.1	8.8
NORMALS	Miles		1534.6	47.6	17.43	92.0	46.6	30.24	30.02	30.13	DAYS	0.0	-0.3	-0.8	-1.6	0.2	3.9	5.2
Departures	Miles		-493.0	-12.9	-0.63	2.4	-3.2	-0.01	0.01	0.00	OF ▶	GLAZE	SLEET	SNOW	FOG	K	DEW	FROST
MAXIMUM DATES	Dates		138.9	35	15:33	100	78	30.50	30.37	30.44	0.29							N- None
MINIMUM DATES	Dates		4.0	9	10:51	93	28	30.40	30.26	30.33	-0.08							5. Very Heavy
MIN. DAYS	Days		30	30	29	28	27	24	21	12	7	2	0	0				4. Heavy-Unusual
																		3. Moderate - Ave.
																		2. Light - < Ave.
																		1. Very Light - Slight - Trace
																		M - Event with intensity missing
																		P - Rain hindering Dew Observation

PAGE #3		West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz	
39		40	
Nov 2016		REMARKS FOR THE MONTH November - 2016	
Nov-01	CLOUDY COOL DAY WITH AIR OFF THE ATLANTIC AND SPRINKLES NEAR 2200		
Nov-02	SOME AM CIRRUS THEN CLEAR 1300-1600 THEN CIRRUS CLOUDS AGAIN-AM EST. 20-30% CLOUDY -PM 10-20% CLOUDY		
Nov-03	VERY HEAVY DEW-CIRRUS IN AM AND PM STARTED WITH CIRROSTRATUS AND THICKENED AS COLD FRONT APPROACHED		
Nov-04	CUMULUS CAME INTO A CLEAR BLUE SKY AT 1100 AND DISIPATED AT 1500 BACK TO TOTALLY CLEAR-PM EST. 20% CLOUDY		
Nov-05	NO CLOUDS ALL DAY-SOME ROOFS WHITE WITH FROST AND PATCHY FROST ON GRASS		
Nov-06	COLDEST AM SINCE APR. 17, 2016 WHEN IT WAS 35.9°F -ONLY A FEW CIRRUS TO NORTH HORIZON TODAY		
Nov-07	VERY CLEAR COOL AM BUT PLEASANT FALL AFTERNOON		
Nov-08	LIGHT KILLING FROST MORE FROST THAN DEW-COLDEST AM SINCE APRIL 10, 2016 WHEN IT WAS 25.2°F -ONLY MOST SENSITIVE PLANTS KILLED BY FROST-PM EST. 65-70% CLOUDY		
Nov-09	COLD FRONT CAUSED WIND SHIFT SOUTH TO NORTH AT NOON- 3RD PD. OF SPRINKLES 1155-NOON, 4TH PD. 1330-1335, 5TH PD. 1450-1540, 6TH PD. 1755-1805		
Nov-10	NO FROST SEEN-CIRRUS CLOUDS ON N HORIZON 1500 TO SUNSET-AM EST. NO CLOUDS, PM EST. 15% CLOUDS		
Nov-11	CIRRUS AND CIRROSTRATUS CLOUDS BECAME CUMULUS FROM 1300 THEN VERY CLOUDY AFTER 1445-PM EST. 50-60% CLOUDY		
Nov-12	NO CLOUDS TODAY-COLDEST OF THE FALL AT MIDNIGHT-DEW AND FROST BY MIDNIGHT BUT NOT RATED-FROST AND DEW ONLY RATED IN MORNING-COLDEST SINCE 4/10/2016 WHEN MIN. WAS 25.2°F		
Nov-13	NO CLOUDS ALL DAY - AM WAS A HARD FREEZE, A REAL KILLING FROST- COLDEST SINCE APR. 10, 2016 WHEN IT WAS 25.2°F		
Nov-14	LIGHT RAIN DURING MOST OF DAY AND HEAVIER AROUND DARKNESS WHICH WAS MUCH NEEDED		
Nov-15	DRIZZLE AFTER MIDNIGHT AND MODERATE FOG THIS AM-HEAVIEST FOG OCCURRED AT 0800 WITH VISIBILITY OF 0.4 MILES-CLEARING BY 1100		
Nov-16	ALMOST NO CLOUDS EXCEPT ON NE HORIZON FROM 0930-0945-AM ROOFS WHITE WITH FROST BUT DEW SENSOR INDICATED 15 AND NOT FROZEN WHICH WOULD READ ZERO		
Nov-17	ANOTHER BEAUTIFUL FALL DAY WITH A DEEP BLUE SKY AND NO CLOUDS		
Nov-18	WARM AND VERY CLEAR FALL DAY-SE STATES ARE UNDER SEVERE DROUGHT CONDITIONS AND SEVERAL FIRES		
Nov-19	CLOUDS CAME IN AT 1400 AND COLD FRONT PASSED AREA AROUND 1600		
Nov-20	CLEARING STARTED AT 1115-NOT AS WINDY AS FORECASTED (WITH GUSTS 35-40MPH)		
Nov-21	NO CLOUDS ALL DAY-LIGHT AM FROST-UPPER LEVEL TROUGH PASSED AT 1900 WITH COLDER AIR BEHIND THE TROUGH		
Nov-22	COLDEST AM SINCE FEB. 27, 2016 WHEN IT WAS 20.6°F -CIRRUS CAME IN AT 0900-PM CLOUDY WITH CIRROSTRATUS		
Nov-23	CLOUDS CAME IN AT 1400 AND CLOUDY BY 1515 TODAY WITH A COLD FRONT TO PASS TOMORROW		
Nov-24	CLEARING STARTED AT 1130 AND WAS CLEAR BY NOON-99% REL. HUMIDITY OCCURRED AT 2400-AM READING WAS 68% EXPLAINING THE LACK OF DEW		
Nov-25	A SLIGHT TRACE OF PRECIP. AROUND 0250-MOISTURE SENSOR READ ONLY 3-CLOUDY AM- PM WITH WEAK SUN THROUGH CIRROSTRATUS		
Nov-26	CLEARING STARTED AT 1230 AND PC MOST OF THE PM BUT THEN CLEARING BY 1815		
Nov-27	VERY FROSTY START TO DAY BUT A SUNNY AFTERNOON AND NEAR AVERAGE TEMPS.		
Nov-28	CIRROSTRATUS AND ALTOSTRATUS MOST OF DAY ONLY A FEW LITTLE SUN THROUGH CLOUDS		
Nov-29	EVEN AFTER WINDS OF TODAY MOST OF THE OAKS STILL HAVE AN AVE. OF 30-40% OF THEIR LEAVES-I HAVE NEVER SEEN SOME MANY LEAVES ON THE TREES THIS LATE IN AUTUMN SEASON		
Nov-30	THUNDER HEARD AT 0428-STILL VERY LIGHT RAIN WHICH IS MUCH NEEDED		
DATE	EXTENSION OF LENGTHY DAILY REMARKS		
Nov-12	KILLING FROST TONIGHT AND TEMPS. TODAY ABOUT 5 DEGREES BELOW AVERAGE		
<p>The link below explains how observations are taken at the Glen Allen Weather Station - Note the Numbers match the column numbers on the Observation Sheet www.glenallenweather.com/upload/glenallenclimate/og/2016/2016 Obs Rules.pdf</p>			

PAGE #1																			
Nov 2017 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19																			
Nov 2017	Week Day	TEMPERATURE °F				TEMPERATURE °F				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	Wed	67.7	14:04	42.7	6:50	25.0	55.2	1.6	60	2	2								
Nov-02	Thu	77.7	15:10	58.8	7:32	18.9	68.3	13.1	61	0	1								
Nov-03	Fri	82.2	15:08	55.1	7:29	27.1	68.7	0.4	62	0	0	0.08	0.08	0.02			1954	2002	
Nov-04	Sat	65.2	0:01	50.8	22:49	14.4	58.0	-10.7	63	2	2	0.02	0.02	0.01			1440	1445	
Nov-05	Sun	61.6	15:43	50.8	0:56	10.8	56.2	-1.8	62	2	2	0.07	0.04	0.01			0001	0255	
Nov-06	Mon	76.4	14:37	56.7	0:01	19.7	66.6	10.4	62	2	1	0.01	0.01	T			2020	2050	
Nov-07	Tue	59.8	0:01	41.2	23:41	18.6	50.5	-16.1	63	2	2	0.28	0.07	0.03			0940	1005	
Nov-08	Wed	44.9	13:39	40.7	5:58	4.2	42.8	-7.7	60	2	2	0.02	0.01	T			0215	0220	
Nov-09	Thu	54.1	15:21	44.2	6:25	9.9	49.2	6.4	59	2	2	0.09	0.04	0.01			0255	0835	
Nov-10	Fri	51.6	11:27	29.8	23:59	21.8	40.7	-8.5	59	0	0								
Nov-11	Sat	41.1	12:41	24.5	6:28	16.6	32.8	-7.9	57	1	2								
Nov-12	Sun	48.3	12:31	26.2	0:01	22.1	37.3	4.5	55	2	2	0.13	0.13	0.02			1950	2400	
Nov-13	Mon	47.9	14:44	38.8	20:12	9.1	43.4	6.1	54	2	1	0.52	0.16	0.02			0001	0555	
Nov-14	Tue	49.2	11:14	33.4	23:57	15.8	41.3	-2.1	54	2	2								
Nov-15	Wed	54.7	14:00	30.1	3:43	24.6	42.4	1.1	53	1	2								
Nov-16	Thu	65.2	13:12	39.0	23:59	26.2	52.1	9.7	53	0	0	T	T	T			0110	0150	
Nov-17	Fri	55.2	13:27	30.5	6:51	24.7	42.9	-9.3	54	0	1								
Nov-18	Sat	61.4	13:23	32.8	2:03	28.6	47.1	4.2	52	2	2								
Nov-19	Sun	64.7	2:16	34.9	23:14	29.8	49.8	2.7	53	0	0	T	T	T			0141	0435	
Nov-20	Mon	54.9	13:34	28.3	6:35	26.6	41.6	-8.2	53	0	0								
Nov-21	Tue	62.9	12:58	38.4	0:06	24.5	50.7	9.1	52	0	2	T	T	T			2315	2400	
Nov-22	Wed	63.7	12:28	35.7	23:59	28.0	49.7	-0.9	52	1	0	0.28	0.19	0.04			0001	0610	
Nov-23	Thu	46.5	13:58	27.6	0:23	18.9	37.1	-12.7	53	2	0								
Nov-24	Fri	56.3	13:03	25.7	6:58	30.6	41.0	4.0	51	0	0								
Nov-25	Sat	68.6	12:54	31.7	5:11	36.9	50.2	9.2	50	0	2								
Nov-26	Sun	60.0	14:06	32.5	23:59	27.5	46.3	-3.9	50	0	0								
Nov-27	Mon	62.4	14:19	27.9	5:39	34.5	45.2	-1.1	50	0	0								
Nov-28	Tue	65.5	13:26	32.1	7:09	33.4	48.8	3.7	49	0	0								
Nov-29	Wed	71.1	13:35	39.1	7:23	32.0	55.1	6.3	49	0	0								
Nov-30	Thu	65.1	14:40	38.8	3:34	26.3	52.0	-3.2	50	0	1	T	T	T			2205	2225	
TOTAL NUMBER		1806		1119		687.1	1462.4	-1.7	1655	27	31	1.50	0.75	0.16	0	0	Col.26-27		
AVERAGE		60.20	12:23	37.29	10:14	22.90	48.75		55.17	0.90	1.03	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	73.1	DAILY AVE RH	
NORMALS		60.35		38.03		22.32	49.19		53.98	0.92	1.05	3.82	0.63	0.14	0.0	0.0	69.3	Percent	
DEPARTURES		-0.15		-0.74		0.59	-0.44		1.18	-0.02	-0.01	-2.32	0.12	0.02	0.0	0.0	3.8	Percent	
Max. Temps. >= 70°F		82.2	High Max	58.8	High Min	36.9	68.7	13.1	63.0	Whole Day		0.52	0.19	0.04	0	0.0	Precip	24 Hr.	
2017	4	Nov-03	76.1	Nov-02	57.9	Nov-25	Nov-03	Nov-02	Nov-04	AVERAGE	0.97	Nov-13	Nov-22	Nov-22			Amount	0.65	
Ave.	5.3		Dep.		Dep.				Nov-07	Normal	0.98						Date	Nov 12	
Departure	-1.3		6.1		0.9					Depart.	-0.02						Date	Nov 13	
Min. Temps. <= 32°F		41.1	Low Max	24.5	Low Min	4.2	32.8	-16.1	49.0	SKY		AM	PM	≥ 0.10	Precip.	≥ 1.00	Precip.	≥ 2.00	Precip.
2017	11	Nov-11	43.5	Nov-11	23.3	Nov-08	Nov-11	Nov-07	Nov-28	CLEAR	15	12		4	DAYS	0	DAYS	0	DAYS
Ave.	8.4		Dep.		Dep.				Nov-29	PT. CLO.	3	5		HOTTEST	68.7	Highest	Lowest	COOLEST	32.8
Departure	2.6		-2.4		1.2					CLOUDY	12	13		DAY	11-03	Mean	Mean	DAY	11-11
Days Max. <=32°F		0		MAX.	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40	≥ 35	≥ 30	≥ 25	≥ 20		
Days Max. >=90°F		0		DAYS	1	3	4	11	18	22	24	29	30	30	30	30	30		

PAGE #2 Nov 2017 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Nov 2017	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									
Nov-01			18.9	10	12:07	95	69	30.26	30.17	30.22	0.12							4		
Nov-02			51.1	15	14:08	93	58	30.27	30.17	30.22	0.00							3		
Nov-03	2043	2155	45.7	15	20:20	97	55	30.18	30.03	30.11	-0.11							5		
Nov-04	1615	1650	83.4	17	0:31	94	70	30.31	30.16	30.24	0.13							P		
Nov-05	0001	0250	26.3	9	17:44	96	92	30.24	30.08	30.16	-0.08							P		
Nov-06	2130	2135	87.3	19	12:50	98	69	30.10	29.93	30.02	-0.14							1	5	
Nov-07	1120	2225	109.0	17	22:34	96	79	30.17	30.05	30.11	0.09							1	1	
Nov-08	0515	0750	121.4	19	7:40	97	89	30.24	30.12	30.18	0.07							1	P	
Nov-09	1245	1330	51.6	12	0:05	97	91	30.20	30.06	30.13	-0.05							1	P	
Nov-10			121.1	25	19:24	98	48	30.56	30.05	30.31	0.18							3	P	
Nov-11			42.2	12	0:10	89	36	30.65	30.50	30.58	0.27									N
Nov-12			14.0	7	9:36	95	46	30.52	30.35	30.44	-0.14									4
Nov-13			36.2	10	11:15	98	85	30.36	30.29	30.33	-0.11								P	
Nov-14			50.0	16	9:45	98	66	30.39	30.29	30.34	0.02								2	3
Nov-15			23.5	11	9:06	96	64	30.30	30.05	30.18	-0.16									5
Nov-16			57.0	18	11:32	92	38	30.16	29.91	30.04	-0.14								3	
Nov-17			20.9	10	11:50	94	43	30.25	30.12	30.19	0.15								1	3
Nov-18			161.9	25	13:29	62	48	30.12	29.47	29.80	-0.39								3	
Nov-19			112.8	29	1:27	83	36	30.01	29.42	29.72	-0.08								P	
Nov-20			43.1	12	11:17	87	34	30.26	30.01	30.14	0.42									3
Nov-21			119.0	23	13:22	91	43	30.23	30.07	30.15	0.01								N	
Nov-22			78.7	20	16:59	96	41	30.20	29.92	30.06	-0.09								P	
Nov-23			25.5	13	9:26	93	48	30.22	30.08	30.15	0.09									3
Nov-24			25.7	11	13:35	97	35	30.12	29.95	30.04	-0.11									5
Nov-25			57.7	18	12:25	96	40	29.96	29.75	29.86	-0.18								1	4
Nov-26			20.8	10	9:48	89	35	30.10	29.90	30.00	0.15								3	1
Nov-27			24.8	12	13:02	94	30	30.28	30.08	30.18	0.18									5
Nov-28			46.9	16	11:57	92	30	30.41	30.28	30.35	0.16								1	3
Nov-29			48.8	12	4:45	93	31	30.28	30.17	30.23	-0.12								1	
Nov-30			49.6	14	9:43	88	53	30.28	30.04	30.16	-0.07								2	
TOTAL NUMBER	Mar. Wind Run		1774.9	457		2784	1602	907.63	901.47	904.55	TOTAL	0	0	0	6	0	14	11		
	AVERAGE		30	30	30	30	30	30	30	30	30	NORMAL	0.0	0.3	0.8	2.6	0.8	11.1	8.8	
NORMALS		Total	1774.9	59.2	15.2	11:03	92.80	53.40	30.25	30.05	30.15	DEPART.	0.0	-0.3	-0.8	3.4	-0.8	2.9	2.2	
Departures		Miles	1428.4	47.6	17.43		92.0	46.6	30.24	30.02	30.13	Rating ▶	0	0	0	9	0	35	39	
		Miles	346.5	11.5	-2.20		0.8	6.8	0.01	0.02	0.02	Intensity	GLAZE	SLEET	SNOW	FOG	K	Dew	Frost	
MAXIMUM DATES			161.9	29	SSW	98	92	30.65	30.50	30.58	0.42									
DATES			1	Nov-18	Nov-19	1:27	Nov-06	Nov-05	Nov-11	Nov-11	Nov-11	Nov-20								
			2				Nov-10													
			3				Nov-13													
			4				Nov-14													
MINIMUM DATES			14.0	7	30.9	62	30	29.96	29.42	29.72	-0.39									
DATES			1	Nov-12	Nov-12	Dep.	Nov-18	Nov-27	Nov-25	Nov-19	Nov-19	Nov-18								
			2			-1.9	Nov-28													
Days Min. <=32 °F			11	MIN. DAYS	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15			
Days Min >=70°F			0		30	30	30	30	28	25	25	21	15	8	1	0	0			

5. Very Heavy
4. Heavy-Unusual
3. Moderate - Ave.
2. Light - >= Ave.
1. Very Light - Slight - Trace
M - Event with intensity missing
N- None No Dew Obs.
P- Precip. prevent obs.

PAGE #3		West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz	
39		40	
Nov 2017	REMARKS FOR THE MONTH November - 2017		
Nov-01	BEAUTIFUL WEATHER FOR NOV. AND NO KILLING FROST YET THIS FALL		
Nov-02	CLOUDS AT NIGHT - NO DEW ON DECK BUT GUTTATION HAD THE GRASS VERY WET-CLOUDS TILL 0900 THEN CLEAR TO 1130 & PC WITH CUMULUS TO 1725 THEN CLEAR TO DARK		
Nov-03	VERY HEAVY DEW-VERY WARM FOR NOV. -REC. FOR DATE 83°F -PM HAD SCATTERED CIRRUS BUT EST. ONLY 20% CLOUDS		
Nov-04	ALL SURFACES WET FROM RAIN YESTERDAY-ONLY SPRINKLES TODAY UNTIL AFTER DARK -NO SUN SEEN TODAY-3RD PD. OF PRECIP. 2245-2400		
Nov-05	SPRINKLES AT NIGHT AND A LITTLE MIST AND DRIZZLE TODAY-NO SUN SEEN-COOL		
Nov-06	AM WAS ABOUT 65-70% CLOUDY AND PM EST. TO BE 50-60% CLOUDY		
Nov-07	ONLY A LITTLE DEW ON GRASS-VISIBILITY CUT DURING RAIN AT 1410-FALLING TEMPS. DURING DAY		
Nov-08	VISIBILITY CUT BY DRIZZLE - ON AND OFF DRIZZLE MOST OF DAY-HEAVIEST PD. 1315-1915		
Nov-09	3RD PD. OF PRECIP. 1640-2055, 4TH PD. 2200-2225-DRIZZLE AND MIST-NO REAL SHOWERS TODAY AND NO SUN		
Nov-10	FOG CLEARED TO A BLUE SKY AT 0845 AND BECAME A WINDY DAY AS HIGH PRESSURE BUILT IN RAPIDLY		
Nov-11	WIND AND LOW REL. HUMIDITY PREVENTED FROST BUT OUR FIRST HARD FREEZE-COLDEST SINCE MARCH 17, 2017 WHEN IT WAS 23.3°F-VERY THIN CIRRUS IN AM BUT MUCH SOLAR RADIATION		
Nov-12	CLOUDY ALL DAY BUT IN EARLY AM SUN SEEN THROUGH CIRROSTRATUS CLOUDS		
Nov-13	CLOUDY TO 1500 THEN TOTALLY CLEAR-PM EST. 65% CLOUDY		
Nov-14	MORE DEW ON GRASS BUT ROOFS HAD HEAVY FROST-CIRROSTRATUS THIN WITH SUN THROUGH CLOUDS-LITTLE SUN AFTER 1000-CLOUDS BECAME ALTOSTRATUS-COOLER DAY THAN EXPECTED		
Nov-15	CLEAR UNTIL 1000 THEN CIRRUS GIVING MOSTLY CLOUDY SKIES-ALTOSTRATUS AND ALTOCUMULUS IN PM		
Nov-16	ONLY SPRINKLES OVERNIGHT - SKY MIRROR INDICATED DEW RATING OF 3-DAY BECAME BEAUTIFULLY CLEAR AND WARM FOR NOV. DAY-SOME CIRRUS FROM 1040-1150		
Nov-17	SKY MIRROR HAS A LITTLE FROZEN DEW UNDER FROST-CLEAR AM BUT CIRRUS AND CIRROSTRATUS IN PM		
Nov-18	WARM BREEZY AFTERNOON WITH APPROACHING COLD FRONT TO PASS TOMORROW-PM EST. 65% CLOUDY		
Nov-19	29MPH S/SW GUST AT 0127-CLEAR BUT WINDY DAY-SOME CLOUDS AFTER 1615		
Nov-20	CLEAR BUT VERY DRY AIR PREVENTED HEAVY FROST-VERY CLEAR WITH LOW DEW POINT OF 21.5°F AT 0756		
Nov-21	WIND IN AM PREVENTED DEW-CIRRUS CAME IN ABOUT 1000 AND COMPLETE SKY COVERAGE BY 1115-AM 50-60% CLOUDY AND PM 90% CLOUDY-AM HIGH RH WAS 73%-91% BY 2400 FROM RAIN		
Nov-22	CLOUDY UNTIL 0900 THEN TOTALLY CLEAR BY 0940 AND REMAINED CLEAR REST OF DAY		
Nov-23	CLOUDY UNTIL 1000 AND TOTALLY CLEAR BY 1015 THEN CLEAR REST OF DAY-MUCH COLDER TODAY		
Nov-24	VERY HEAVY FROST-TOTAL SUNSHINE TODAY		
Nov-25	CIRRUS CAME IN AT 1130 AND CIRROSTRATUS BY 1330-WARM AND CLOUDY REST OF DAY		
Nov-26	A LITTLE ICE ON GRASS BUT NOT SEEN ONLY FELT-FEW CIRRUS IN AM BUT PM WAS VERY CLEAR		
Nov-27	BEAUTIFUL DAY FOR END OF NOV.-VERY HEAVY AM FROST BUT STRONG WARM-UP OF 34.5°F		
Nov-28	FROZEN DEW ON MIRROR-CLEAR ALL DAY WITH LARGE TEMP. RANGE AGAIN		
Nov-29	NO DEW EXCEPT ON GRASS-A REALLY GREAT LATE NOV. AFTERNOON WITH ALMOST FULL SUN & 71°F MAX.		
Nov-30	DEW MAINLY ON GRASS-VERY LITTLE CONDENSATION ON SKY MIRROR - ANOTHER WARMER THAN AVE. NOV. DAY - SOME CLOS. NOON TO 1300 & IN LATE PM- PM CLOUDS EST 35-40%		
DATE	EXTENSION OF LENGTHY DAILY REMARKS		
Nov-11	THROUGH CLOUDS THEN PM SKY WAS COVERED WITH CIRRUS AND CIRROSTRATUS THAT BECAME THICKER		
<p>The daily records for the month are listed on page # 4 and not found in the remarks.</p> <p>The link below explains how observations are taken at the Glen Allen Weather Station - Note the Numbers match the column numbers on the Observation Sheet</p> <p>www.glenallenweather.com/upload/glenallencclimate/log/2016/2016_Obs_Rules.pdf</p>			

PAGE #1		Nov 2018 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Nov 2018	Week Day	TEMPERATURE °F				TEMPERATURE °F				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	Thu	72.5	15:13	58.1	2:30	14.4	65.3	6.8	59	0	2	0.02	0.02	0.01			2120	2145	
Nov-02	Fri	71.9	15:34	65.0	23:58	6.9	68.5	3.2	60	2	2	0.05	0.04	0.01			0044	0055	
Nov-03	Sat	65.1	0:01	41.3	23:51	23.8	53.2	-15.3	62	0	0	0.09	0.08	0.05			0505	0650	
Nov-04	Sun	62.3	14:31	36.8	6:03	25.5	49.6	-3.7	61	0	2								
Nov-05	Mon	58.6	10:06	52.3	0:21	6.3	55.5	5.9	60	2	2	1.56	0.68	0.08			0138	0925	
Nov-06	Tue	71.2	11:40	54.2	0:28	17.0	62.7	7.3	60	2	2	0.18	0.08	0.07			0705	0850	
Nov-07	Wed	69.6	13:29	44.7	6:49	24.9	57.2	-5.6	60	1	1								
Nov-08	Thu	60.5	13:51	49.0	23:48	11.5	54.8	-2.4	60	2	0								
Nov-09	Fri	50.9	12:49	47.6	6:02	3.3	49.3	-5.5	60	2	2	0.41	0.14	0.02			0348	0405	
Nov-10	Sat	52.7	11:39	30.4	23:33	22.3	41.6	-7.7	59	0	0								
Nov-11	Sun	48.9	12:42	25.5	7:00	23.4	37.2	-4.3	56	0	0								
Nov-12	Mon	50.6	11:18	30.4	0:16	20.2	40.5	3.3	54	2	2	0.89	0.24	0.03			1440	2400	
Nov-13	Tue	50.1	14:14	43.5	22:55	6.6	46.8	6.3	54	2	2	0.41	0.28	0.04			0001	0435	
Nov-14	Wed	44.2	11:59	38.3	22:36	5.9	41.3	-5.6	54	2	2								
Nov-15	Thu	42.7	15:05	34.5	6:24	8.2	38.6	-2.7	53	2	2	1.40	0.48	0.05			0205	2400	
Nov-16	Fri	53.2	13:56	33.9	23:36	19.3	43.6	5.0	51	0	0	0.01	0.01	T			0001	0600	
Nov-17	Sat	54.8	13:09	29.0	6:44	25.8	41.9	-1.7	51	0	0								
Nov-18	Sun	56.0	13:35	30.5	6:43	25.5	43.3	1.4	50	1	2								
Nov-19	Mon	61.2	14:20	36.2	4:01	25.0	48.7	5.5	50	2	2								
Nov-20	Tue	65.6	12:49	33.5	23:59	32.1	49.6	0.8	51	0	1								
Nov-21	Wed	55.6	13:34	27.8	7:01	27.8	41.7	-7.8	51	0	0								
Nov-22	Thu	43.7	13:38	28.8	4:59	14.9	36.3	-5.5	50	0	0								
Nov-23	Fri	35.8	14:44	27.8	4:29	8.0	31.8	-4.5	48	2	2								
Nov-24	Sat	43.5	18:19	32.6	0:01	10.9	38.1	6.3	48	2	2	0.92	0.26	0.03			0955	1705	
Nov-25	Sun	64.2	14:13	34.5	6:12	29.7	49.4	11.3	48	0	0								
Nov-26	Mon	55.8	15:31	38.7	23:34	17.1	47.3	-2.1	48	2	2	0.18	0.13	0.03			0630	1130	
Nov-27	Tue	50.2	12:46	29.8	23:59	20.4	40.0	-7.3	49	0	0								
Nov-28	Wed	44.5	13:19	25.0	7:11	19.5	34.8	-5.3	48	0	0								
Nov-29	Thu	46.9	14:00	21.8	7:14	25.1	34.4	-0.4	46	0	0								
Nov-30	Fri	53.8	14:44	36.1	5:43	17.7	45.0	10.6	45	2	2	T	T	T			0735	0835	
TOTAL NUMBER		1657		1118		539.0	1387.1	-13.6	1606	30	34	6.12	2.44	0.42	0	0	Col.26-27		
AVERAGE		55.22	13:13	37.25	11:04	17.97	46.24		53.53	1.00	1.13	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	76.3	Percent	
NORMALS		59.83		37.65		21.94	48.59		53.97	0.92	1.06	3.56	0.45	0.12	0.0	0.0	70.5	Percent	
DEPARTURES		-4.61		-0.40		-3.97	-2.35		-0.44	0.08	0.07	2.56	1.99	0.30	0.0	0.0	5.7	Percent	
Max. Temps. >= 70°F		72.5	Ave.HighMax	65	Ave.HighMin	32.1	68.5	11.3	62.0	Whole Day		1.56	0.68	0.08	0	0.0	Precip	24 Hr.	
2018	4	Nov-01	76.1	Nov-02	57.9	Nov-20	Nov-02	Nov-25	Nov-03	AVERAGE	1.07	Nov-05	Nov-05	Nov-05			Amount	1.64	
Ave.	4.8		Dep.		Dep.					Normal	0.99						Date	Nov 05	
Departure	-0.8		-3.6		7.1					Depart.	0.08						Date	Nov 06	
Min. Temps. <= 32°F		35.8	Ave.LowMax	21.8	Ave.LowMin	3.3	31.8	-15.3	45.0	SKY		AM	PM	>= 0.10	Precip.	>= 1.00	Precip.	>= 2.00	Precip.
2018	11	Nov-23	43.5	Nov-29	23.3	Nov-09	Nov-23	Nov-03	Nov-30	CLEAR	14	12		8	DAYS	2	DAYS	0	DAYS
Ave.	8.9		Dep.		Dep.					PT. CLO.	2	2		HOTTEST	68.5	Highest	Lowest	COOLEST	31.8
Departure	2.1		-7.7		-1.5					CLOUDY	14	16		DAY	11-02	Mean	Mean	DAY	11-23
Days Max. <=32°F	0			MAX. DAYS	>= 80	>= 75	>= 70	>= 65	>= 60	>= 55	>= 50	>= 45	>= 40	>= 35	>= 30	>= 25	>= 20		
Days Max. >=90°F	0				0	0	4	6	10	15	22	25	29	29	30	30	30		

PAGE #2 Nov 2018 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Nov 2018	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE												
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	R	DEW	FROST		
Nov-01			154.9	27	23:52	93	70	30.00	29.72	29.86	-0.22							N		
Nov-02	1900	2155	159.5	32	21:26	94	80	29.77	29.57	29.67	-0.19							N		
Nov-03			60.8	17	13:29	96	45	30.39	29.64	30.02	0.34							P		
Nov-04			57.4	15	10:05	97	49	30.54	30.30	30.42	0.41							5	2	
Nov-05			50.1	18	2:25	98	88	30.31	30.08	30.20	-0.23							P		
Nov-06	1140	1335	78.4	22	11:49	100	90	30.08	29.84	29.96	-0.23				2			P		
Nov-07			14.8	9	12:39	100	47	30.14	29.98	30.06	0.10				1			5		
Nov-08			79.1	16	4:55	94	47	30.30	30.10	30.20	0.14							N		
Nov-09	0515	0550	43.1	11	3:42	97	80	30.29	29.91	30.10	-0.10				1			P		
Nov-10			54.5	18	9:33	97	38	30.38	29.91	30.15	0.04							P		
Nov-11			35.1	12	2:17	95	44	30.49	30.37	30.43	0.29								3	
Nov-12			27.3	9	22:53	98	62	30.42	30.10	30.26	-0.17							1	4	
Nov-13	1130	1300	46.9	11	4:26	98	87	30.27	29.94	30.11	-0.16							P		
Nov-14			70.5	14	11:35	90	56	30.52	30.25	30.39	0.28							P		
Nov-15			127.3	22	12:09	97	71	30.51	29.74	30.13	-0.26				2			P		
Nov-16			78.1	21	13:05	98	57	30.10	29.76	29.93	-0.20							P		
Nov-17			16.1	10	10:47	98	55	30.33	30.10	30.22	0.29								5	
Nov-18			25.7	12	10:30	98	58	30.38	30.19	30.29	0.07								5	
Nov-19			55.9	10	10:05	98	65	30.20	29.93	30.07	-0.22							4	1	
Nov-20			59.4	16	15:14	98	40	30.18	29.88	30.03	-0.03							4		
Nov-21			47.1	13	19:32	97	41	30.28	30.11	30.20	0.16								5	
Nov-22			84.0	16	9:12	94	46	30.59	30.28	30.44	0.24								4	
Nov-23			44.4	12	3:23	72	46	30.60	30.30	30.45	0.02								N	
Nov-24			58.1	17	15:38	98	69	30.31	29.68	30.00	-0.46							N		
Nov-25			43.6	12	13:14	99	55	29.97	29.79	29.88	-0.11							4		
Nov-26			89.1	19	17:32	96	71	29.90	29.49	29.70	-0.18							P		
Nov-27			66.2	15	11:46	91	45	29.73	29.64	29.69	-0.01								1	
Nov-28			56.9	19	14:48	79	39	30.05	29.72	29.89	0.20								2	
Nov-29			24.8	10	10:09	85	40	30.18	30.03	30.11	0.22								2	
Nov-30	1245	1315	45.5	9	3:07	89	62	30.13	29.97	30.05	-0.06							N		
TOTAL NUMBER	Mar. Wind Run		1854.6	464		2834	1743	907.34	898.32	902.83	TOTAL	0	0	0	4	0	6	11		
	AVERAGE		30	30	30	30	30	30	30	30	NORMAL	0.0	0.3	0.7	2.8	0.6	10.9	9.4		
TOTAL		1854.6	61.8	15.5	11:30	94.47	58.10	30.24	29.94	30.09	DEPART.	0.0	-0.3	-0.7	1.3	-0.6	-4.9	1.6		
NORMALS		Miles	51.2	17.02		92.2	49.0	30.24	30.02	30.13	Rating ▶	0	0	0	6	0	23	34		
Departures		Miles	320.0	10.7	-1.56	2.2	9.1	0.00	-0.07	-0.03	Intensity	GLAZE	SLEET	SNOW	FOG	R	Dew	Frost		
MAXIMUM DATES		Dates	159.5	32	SW	100	90	30.60	30.37	30.45	0.41									
		1	Nov-02	Nov-02	21:26	Nov-06	Nov-06	Nov-23	Nov-11	Nov-23	Nov-04									
		2																		
		3																		
		4																		
Min. Temps. >= 70°F		Dates	14.8	9	30.9	72	38	29.73	29.49	29.67	-0.46									
2018		0																		
Ave.		0.0																		
Departure		0.0																		
		1	Nov-07	Nov-07	Dep.	Nov-23	Nov-10	Nov-27	Nov-26	Nov-02	Nov-24									
		2		Nov-12	1.1															
Days Min. <=32 °F		11	MIN.	<= 75	<= 70	<= 65	<= 60	<= 55	<= 50	<= 45	<= 40	<= 35	<= 30	<= 25	<= 20	<= 15				
Days Min >=70°F		0	DAYS	30	30	30	29	28	26	24	21	16	10	2	0	0				

5. Very Heavy
4. Heavy-Unusual
3. Moderate - Ave.
2. Light - >= Ave.
1. Very Light - Slight - Trace
M - Event with intensity missing
N- None No Dew Obs.
P- Precip. prevent obs.

PAGE #3		West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz	
39		40	
Nov 2018	REMARKS FOR THE MONTH November - 2018		
Nov-01	WARM BREEZY FALL DAY WITH NO RAIN-SHOWER WELL AFTER DARK		
Nov-02	CLOUDY ALL DAY AND BREEZY BUT WARM FOR NOV.		
Nov-03	EARLY AM SHOWER BUT QUICK CLEARING AND A BREEZY SUNNY DAY		
Nov-04	CLOUDS CAME IN FROM WEST AROUND 1330 INCREASING TO FULL CLOUDINESS TO1600		
Nov-05	VERY CLOUDY ALL DAY EVEN SOME EXTREMELY LIGHT DRIZZLE IN PM		
Nov-06	SPRINKLES FROM 0410-0520-3RD PD. OF PRECIP. 1515-1605-AM FOG HEAVIEST AT 0645		
Nov-07	DEW EXTREMELY HEAVY DRIPPED RAIN BUCKET GIVING 0.01 INCH-VERY CLEAR TO 1030 THEN ALTOCUMULUS & VERY CLOUDY TO 1215 THEN CIRRUS & ALTOCUMULUS IN PM-EST. PM 60% CLO.		
Nov-08	WIND PREVENTED DEW-MOSTLY CLOUDY WITH ALTOCUMULUS TO 1215-THEN CLEAR TO 1545		
Nov-09	3RD PD. OF PRECIP. 0830-1710-RAIN MOST OF DAY THAT ENDED WITH DRIZZLE		
Nov-10	CLEAR ALL DAY EXCEPT FOR A FEW SCATTERED CUMULUS FROM 1015-1045-LOW DEW POINT 23.6°F AT 1625		
Nov-11	HARD FREEZE - AIR IS SO DRY NOT EVEN A HEAVY FROST-COLDEST SINCE MARCH 23, 2018 WHEN TEMP. WAS 25.3°F		
Nov-12	WARMED UP A LITTLE IN THE NIGHT BECAUSE OF CLOUDINESS AND S WIND-CLOUDY AND CHILLY DAY-RAINY EVENING		
Nov-13	DAMP CLOUDY DAY WITH BELOW AVE. TEMP. AND THREAT OF RAIN BUT ONLY 0.01 INCH DURING DAY		
Nov-14	CHILLY AND CLOUDY DAY BUT WITHOUT ANY PRECIP.-SET UP SNOW CAMERA TODAY		
Nov-15	DRIZZLE AFTER 1800-ICY STORM OVER PIEDMONT AND IN SHENANDOAH VALLEY AND SNOW IN DC AND TO THE NORTH BUT NONE HERE		
Nov-16	DRIZZLE CONTINUED UNTIL ABOUT 0500-FAST CLEARING AND BREEZY COOL BUT VERY SUNNY DAY		
Nov-17	VERY CLEAR DAY WITH A GOOD WARMUP FROM A FROSTY AM & DEEP BLUE SKY TODAY		
Nov-18	MOSTLY CLEAR UNTIL 0900 BUT THEN INCREASING CIRRUS THAT BECAME CIRROSTRATUS BY 1500		
Nov-19	WARM DAY WITH SKY FILLED WITH CIRRUS, CIRROSTRATUS AND ALTOCUMULUS-SOME SUN IN AM THROUGH CIRRUS CLOUDS		
Nov-20	CUMULUS STARTED COMING IN AT 1100 AND PM WAS ABOUT 60% CLOUDY WITH CUMULUS & A FEW STRATOCUMULUS TO NORTH		
Nov-21	VERY HEAVY FROST-COOL BUT VERY SUNNY DAY WITH A LOW DEW POINT OF 26.6°F AT 0701		
Nov-22	VERY CLEAR ALL DAY UNTIL 1615 WHEN CIRROSTRATUS CAME IN - VERY LOW MAX. TEMP. FOR NOV		
Nov-23	CLOUDY AND VERY COLD NOV. DAY WITH A VERY LOW DEW POINT OF 11.9°F AT 0222		
Nov-24	A RAINY DAY FROM 0955 TO ALMOST SUNSET-REC. RAINFALL FOR DATE		
Nov-25	SOME DEW DRIPPING FROM VINYL SIDING AND SOME FROZEN RAIN ON DECK BUT BECAME A BEAUTIFUL AFTERNOON		
Nov-26	VERY RAINY MORNING-WE NOW HAVE 62.98 INCHES OF RAIN FOR THE YEAR & IS ALREADY WETTEST YEAR IN THIS STATION'S RECORDS		
Nov-27	FROZEN RAIN ON DECK-LITTLE FROST ON ROOFS-CLOUDS JUST TO N/NW IN AM THEN BECAME CLEAR-PM CLOUDS CAME IN AT 1600 & TOTALLY CLOUDY BY 1700		
Nov-28	COLDEST SINCE MARCH 14, 2018 WHEN IT WAS 22.5°F-VERY SUNNY BUT CHILLY DAY & A MIN. DEW POINT OF 18.4°F AT 1735		
Nov-29	COLDEST SINCE FEB. 10, 2018 WHEN IT WAS 19.1°F-VERY SUNNY DAY AND A LITTLE WARMER		
Nov-30	CLOUDY NIGHT WITH NO DEW AND A VERY AM SPRINKLES - THE PM HAD CIRRUS AND CIRROSTRATUS WITH SUN LIGHT PASSING THROUGH CLEAREST AT 1430 WHICH WAS PARTLY CLOUDY		
DATE	EXTENSION OF LENGTHY DAILY REMARKS		
	<p>The daily records for the month are listed on page # 4 and not found in the remarks.</p> <p>The link below explains how observations are taken at the Glen Allen Weather Station - Note the Numbers match the column numbers on the Observation Sheet</p> <p>www.glenallenweather.com/upload/glenallencclimate/log/2018/Rules.pdf</p>		

PAGE #1																		
Nov 2019 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Nov 2019	Week Day	TEMPERATURE °F				TEMPERATURE °F				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	Fri	58.5	14:37	38.3	23:57	20.2	48.4	-20.3	64	0	0	T	T	T			0001	0035
Nov-02	Sat	58.2	15:05	33.2	6:56	25.0	45.7	-2.7	61	0	2							
Nov-03	Sun	59.1	13:13	31.6	6:34	27.5	45.4	-0.4	59	0	0							
Nov-04	Mon	62.5	13:11	30.8	6:47	31.7	46.7	1.3	58	0	2							
Nov-05	Tue	71.2	12:50	41.2	4:49	30.0	56.2	9.6	57	1	1							
Nov-06	Wed	62.2	13:21	40.0	6:52	22.2	51.1	-5.1	57	0	0							
Nov-07	Thu	65.5	13:02	40.4	4:37	25.1	53.0	1.9	56	2	2	0.02	0.02	T			0511	2400
Nov-08	Fri	51.6	0:01	29.3	21:02	22.3	40.5	-12.5	57	0	0							
Nov-09	Sat	48.5	14:32	23.9	6:39	24.6	36.2	-4.3	55	0	1							
Nov-10	Sun	65.3	13:54	29.8	0:01	35.5	47.6	11.4	53	0	1							
Nov-11	Mon	70.7	14:02	40.6	6:42	30.1	55.7	8.1	53	1	2							
Nov-12	Tue	57.9	1:38	26.4	22:44	31.5	42.2	-13.5	54	2	2	0.68	0.20	0.02	0.3	T	0352	1410
Nov-13	Wed	38.3	13:41	21.6	6:16	16.7	30.0	-12.2	52	0	0							
Nov-14	Thu	44.9	14:02	20.5	6:08	24.4	32.7	2.8	50	1	2	0.05	0.05	T			2149	2400
Nov-15	Fri	48.6	14:59	37.0	7:03	11.6	42.8	10.1	50	2	2	0.01	0.01	T			0001	0010
Nov-16	Sat	45.3	12:32	36.9	7:16	8.4	41.1	-1.7	51	1	1							
Nov-17	Sun	46.5	14:44	37.1	7:03	9.4	41.8	0.7	50	2	2							
Nov-18	Mon	53.4	13:16	39.7	6:45	13.7	46.6	4.8	50	2	1	0.10	0.08	0.01			1609	2210
Nov-19	Tue	50.9	14:02	42.6	6:18	8.3	46.8	0.2	51	2	2							
Nov-20	Wed	58.2	12:16	35.3	7:04	22.9	46.8	0.0	51	1	1							
Nov-21	Thu	57.5	13:32	29.5	7:12	28.0	43.5	-3.3	51	0	2							
Nov-22	Fri	59.8	15:06	40.9	23:58	18.9	50.4	6.8	51	2	2	0.03	0.02	0.01			0835	1315
Nov-23	Sat	45.9	14:46	30.0	6:31	15.9	38.0	-12.4	51	2	2	0.60	0.25	0.04			1450	1920
Nov-24	Sun	57.6	12:56	36.1	23:46	21.5	46.9	8.9	50	1	0	0.12	0.09	0.01			0001	0235
Nov-25	Mon	58.5	13:28	30.4	7:05	28.1	44.5	-2.4	50	0	0							
Nov-26	Tue	66.5	14:01	34.5	6:07	32.0	50.5	6.1	49	0	0							
Nov-27	Wed	59.4	16:32	49.4	2:17	10.0	54.4	3.9	50	2	2	0.02	0.02	0.01			0430	1040
Nov-28	Thu	56.7	1:19	39.1	21:46	17.6	47.9	-6.5	51	0	0							
Nov-29	Fri	54.4	14:24	32.4	3:52	22.0	43.4	-4.5	50	0	0							
Nov-30	Sat	49.5	13:23	39.3	22:37	10.2	44.4	1.0	50	2	2	0.02	0.01	T			0005	0100
TOTAL NUMBER		1683	30	1038	30	645.3	1360.5	-24.3	1592	26	34	1.65	0.75	0.10	0.3	T	Col.26-27 DAILY AVE RH	
AVERAGE		56.10	12:36	34.59	9:53	21.51	45.35		53.07	0.87	1.13	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	73.4	Percent
NORMALS		59.83		37.65		21.94	48.59		53.97	0.92	1.06	3.56	0.45	0.12	0.0	0.0	70.5	Percent
DEPARTURES		-3.73		-3.06		-0.43	-3.24		-0.90	-0.06	0.07	-1.91	0.30	-0.02	0.3	0.0	2.9	Percent
Max. Temps. >= 70°F	2019	71.2	Ave.HighMax	49.4	Ave.HighMin	35.5	56.2	11.4	64.0	Whole Day		0.68	0.25	0.04	0.3	T	Precip	24 Hr.
	2019	Nov-05	76.1	Nov-27	57.9	Nov-10	Nov-05	Nov-10	Nov-01	AVERAGE	1.00	Nov-12	Nov-23	Nov-23	1.0	0.0	Amount	0.72
	Ave.		Dep.		Dep.					Normal	0.99				1.0	0.0	Date	Nov 23
	Departure		-4.9		-8.5					Depart.	0.01				1.0	T	Date	Nov 24
Min. Temps. <= 32°F	2019	38.3	Ave.LowMax	20.5	Ave.LowMin	8.3	30.0	-20.3	49.0	SKY		AM	PM	≥ 0.10 Precip.		≥ 1.00 Precip.	≥ 2.00 Precip.	
	2019	Nov-13	43.5	Nov-14	23.3	Nov-19	Nov-13	Nov-01	Nov-26	CLEAR	14	10	4 DAYS		0	0	0	
	Ave.		Dep.		Dep.					PT. CLO.	6	6	HOTTEST		56.2	Highest	Lowest	COOLEST
	Departure		-5.2		-2.8					CLOUDY	10	14	DAY		11-05	Mean	Mean	DAY
Days Max. <=32 °F	0			MAX.	≥ 80	≥ 75	≥ 70	≥ 65	≥ 60	≥ 55	≥ 50	≥ 45	≥ 40	≥ 35	≥ 30	≥ 25	≥ 20	
Days Max. >=90°F	0			DAYS	0	0	2	5	8	18	23	29	29	29	30	30	30	

PAGE #2 Nov 2019 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Nov 2019	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE												
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	Ⓚ	DEW	FROST		
Nov-01			46.7	20	1:01	93	45	30.29	29.80	30.05	0.21							P		
Nov-02			34.2	12	13:49	96	57	30.28	30.07	30.18	0.13							4	2	
Nov-03			19.6	13	12:23	98	41	30.29	30.14	30.22	0.04								4	
Nov-04			44.0	17	10:58	98	42	30.39	30.25	30.32	0.11								5	
Nov-05			24.8	11	10:54	97	43	30.26	30.16	30.21	-0.11							4		
Nov-06			45.8	14	9:41	95	43	30.48	30.25	30.37	0.16							3		
Nov-07			72.8	20	13:14	94	62	30.37	30.01	30.19	-0.18							3		
Nov-08			129.2	24	1:56	92	41	30.38	30.07	30.23	0.04							P		
Nov-09			36.4	15	14:07	91	50	30.37	30.19	30.28	0.05								4	
Nov-10			81.1	17	13:56	92	43	30.19	30.04	30.12	-0.16								2	
Nov-11			102.0	20	14:50	92	43	30.12	29.86	29.99	-0.13							3		
Nov-12			87.4	22	6:39	96	58	30.29	29.81	30.05	0.06			1				P		
Nov-13			59.9	15	9:55	88	39	30.49	30.29	30.39	0.34								2	
Nov-14			40.5	12	12:03	93	50	30.45	30.31	30.38	-0.01								5	
Nov-15			32.7	11	12:09	96	62	30.31	30.17	30.24	-0.14							P		
Nov-16			182.8	25	8:41	81	58	30.32	30.18	30.25	0.01							N		
Nov-17			157.0	22	9:37	87	64	30.27	29.96	30.12	-0.13							N		
Nov-18			52.3	12	1:34	96	69	29.96	29.74	29.85	-0.27							N		
Nov-19			28.3	11	2:12	97	81	29.89	29.78	29.84	-0.02							P		
Nov-20			52.3	17	10:37	98	48	30.26	29.89	30.08	0.24							4		
Nov-21			54.9	16	22:59	96	50	30.32	30.04	30.18	0.10								4	
Nov-22			91.6	19	11:43	96	70	30.09	29.86	29.98	-0.20							N		
Nov-23	2030	2400	30.6	12	18:16	97	63	30.10	29.55	29.83	-0.15							2	2	
Nov-24			62.5	18	9:59	98	48	29.80	29.48	29.64	-0.19							P		
Nov-25			39.0	14	12:21	96	48	29.98	29.78	29.88	0.24							2	3	
Nov-26			52.4	14	12:31	97	49	30.07	29.95	30.01	0.13							3	1	
Nov-27			120.5	28	15:36	91	78	30.04	29.75	29.90	-0.11							P		
Nov-28			79.9	25	14:53	84	45	30.28	29.86	30.07	0.18							1		
Nov-29			36.9	15	9:37	91	43	30.30	30.13	30.22	0.15							2	1	
Nov-30	0340	0410	31.9	10	23:04	95	61	30.14	29.92	30.03	-0.18							N		
TOTAL NUMBER	Mar. Wind Run		1930.0	501		2811	1594	906.78	899.29	903.04	TOTAL	0	0	1	0	0	11	12		
AVERAGE	Total		1930.0	64.3	16.7	11:22	93.70	53.13	30.23	29.98	30.10	NORMAL	0.0	0.3	0.7	2.8	0.6	10.9	9.4	
NORMALS	Miles		1534.6	51.2	17.02	92.2	49.0	30.24	30.02	30.13	DEPART.	0.0	-0.3	0.3	-2.8	-0.6	0.1	2.6		
Departures	Miles		395.4	13.2	-0.32	1.5	4.2	-0.02	-0.04	-0.03	Rating ▶ Intensity	GLAZE	SLEET	SNOW	FOG	Ⓚ	Dew	Frost		
MAXIMUM DATES	Dates		182.8	28	South	98	81	30.49	30.31	30.39	0.34									
	1		Nov-16	Nov-27	15:36	Nov-03	Nov-19	Nov-13	Nov-14	Nov-13	Nov-13									
	2					Nov-04														
	3					Nov-20														
	4					Nov-24														
Min. Temps. >= 70°F	Dates		19.6	10	30.9	81	39	29.80	29.48	29.64	-0.27									
2019	1		Nov-03	Nov-30	Dep.	Nov-16	Nov-13	Nov-24	Nov-24	Nov-24	Nov-18									
Ave.	2				-2.9															
Departure																				
Days Min. <=32 °F	12		MIN.	≤ 75	≤ 70	≤ 65	≤ 60	≤ 55	≤ 50	≤ 45	≤ 40	≤ 35	≤ 30	≤ 25	≤ 20	≤ 15				
Days Min >=70°F	0		DAYS	30	30	30	30	30	30	29	25	15	9	3	0	0				

5. Very Heavy
4. Heavy-Unusual
3. Moderate - Ave.
2. Light - >= Ave.
1. Very Light - Slight - Trace
M - Event with intensity missing
N- None No Dew Obs.
P- Precip. prevent obs.

Nov 2019	REMARKS FOR THE MONTH November - 2019
Nov-01	COLD FRONT PASSED AROUND 1250-TODAY WAS MUCH COOLER BUT NO CLOUDS AND LOW RH
Nov-02	HEAVY FROST ON ROOFS, LIGHT FROST ON GRASS BUT NOT A KILLING FROST-CUMULUS CLOUDS CAME IN AT 1215
Nov-03	FROST ON FROZEN DEW-SOME DEW ON HOUSE VINYL WAS FROZEN-COLDEST SINCE APR. 3, 2019 WHEN IT WAS 30°F
Nov-04	FROST ON FROZEN DEW-COLDEST SINCE APR. 3, 2019 - CIRRUS CAME IN AT 1100--PM SKY MAINLY FIBROUSCIRRUS AND CIRROSTRATUS LATER IN PM
Nov-05	SUN THROUGH CIRRUS MOST OF DAY AND AT TIMES SOME ALTOCUMULUS
Nov-06	NO CLOUDS SEEN TODAY-A COOL FALL DAY AND A BEAUTIFUL PM FOR NOV.
Nov-07	CLOUDY COOL AM-PM CLOUDY AND PLEASANT-STRONG COLD FRONT PASSED AROUND 2230
Nov-08	A VERY CLEAR BUT COLD DAY-LOWEST DEWPOINT WAS 21.5°F AT 1611
Nov-09	FIRST KILLING FROST-HARD FREEZE-5 MPH WIND KEPT A CLASS 5 FROST FROM FORMING-COLDEST SINCE MARCH 7, 2019 WHEN TEMP. WAS 21.4°F -CLOUDS CAME IN AT 1100-PM EST. 50-60% CLO.
Nov-10	COOL AM BUT A WARM AND PLEASANT PM-PM SUN THROUGH CIRRUS, CUMULUS AND ALTOCUMULUS
Nov-11	AM SCATTERED FIBROUSCIRRUS-PM AFTER 1340 HAD ALMOST A COMPLETE THIN CIRROSTRATUS OVERCAST
Nov-12	STRONG COLD FRONT PASSED AROUND 0930-THIS WAS THE FIRST MEASURABLE SNOW IN NOV. AT THIS STATION-SNOW STARTED AROUND 1210 & ENDED AROUND 1410-MAX. SNOW ON GROUND
Nov-13	VERY DRY AIR LITTLE FROST-EXTREMELY COLD DAY FOR MID-NOV. AND COLDEST SINCE FEB. 10, 2019
Nov-14	COLDEST SINCE FEB. 10, 2019 WHEN IT WAS 18.1°F-CIRRUS CLOUDS AM - PM CIRROSTRATUS, ALTOCUMULUS AND ALTOSTRATUS
Nov-15	A LITTLE WARMER BUT CLOUDY AND STILL COLD FOR NOV.
Nov-16	WINDY NIGHT WITH NO DEW-COASTAL LOW GAVE CLOUDINESS TODAY AND WINDS TO 25 MPH
Nov-17	ANOTHER CLOUDY, COLD DAY FOR NOV. WITH A LOW OFF COAST-WIND CHILL AROUND 0937 WAS 27.6°F
Nov-18	CLOUDY AM EST. 85-90% CLOUDY-PM EST. 55-60% CLOUDY
Nov-19	COLD CLOUDY AM AND DAMP-A LITTLE PM SUN AROUND 1400 BUT PM EST. 80-85% CLOUDY
Nov-20	AM STRATUS AND CUMULUS TO 845 THEN CLEAR TO 1145-PM STRATOCUMULUS AND CUMULUS FROM 1200-1445 THEN CLEAR AGAIN TO SUNSET-AM EST. 40-45% CLO. PM EST. 45-50% CLO.
Nov-21	CIRRUS CLOUDS CAME IN AT 1115 AND INCREASED TO TOTAL OVERCAST BY 1345 BUT A PLEASANT PM
Nov-22	MAINLY A MORNING OF SPRINKLES AND CLOUDY BUT A WARM PM WITH ALTOSTRATUS CLOUDS
Nov-23	FROZEN DEW AND RAIN ON DECK AND FROST ON ROOFS-RAIN HEAVIER TO SOUTH
Nov-24	VARIABLE AM SKY BUT CLEAR PM-WINDS CAUSED A COOL AM BUT PM WAS PLEASANT
Nov-25	TODAY WAS A BEAUTIFUL FALL DAY AND TREES IN OUR NEIGHBORHOOD ARE NEAR THEIR PEAK
Nov-26	CLOUDS CAME IN AT 1530 BUT AM WAS VERY CLEAR AND A WARM AFTERNOON
Nov-27	AM HAD AN OCCASIONAL SPRINKLE WITH HEAVIER RAIN PASSING TO NORTH AND PM WAS CLOUDY AND WINDY
Nov-28	SUNNY WINDY BUT WARM FOR END OF NOV.-MANY LEAVES FELL YESTERDAY AND TODAY-MOST SPECIES OF TREES HAVE BECOME BARE EXCEPT OAKS WHICH HAVE ABOUT 25% OF THEIR
Nov-29	CLOUDS DIDN'T COME IN UNTIL 1600 AS ALTOCUMULUS OTHERWISE IT WAS A SUNNY BRIGHT DAY
Nov-30	3RD PD SPRINKLES 1125-1145 - CLOUDY ALL DAY WITH AN APPROACHING STORM THAT WILL PASS TO NORTH GIVING US RAIN AND SNOW PREDICTED FOR NE
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Nov-12	AT 1345 WAS 0.3 INCHES-MANY DID NOT REPORT SNOW IF THEY DID NOT HAVE A SNOW BOARD AS THE GROUND WAS SO WARM IT MELTED MOST OF THE SNOW
Nov-18	LEAVES. NORTHERN RED OAKS WERE AT THEIR PEAK ABOUT THE 24TH AND STILL HAVE MORE THAN 50% OF THEIR LEAVES.
<p>The daily records for the month are listed on page # 4 and not found in the remarks.</p> <p style="background-color: yellow;">The link below explains how observations are taken at the Glen Allen Weather Station - Note the Numbers match the column numbers on the Observation Sheet</p> <p style="background-color: yellow;">Rules for making Observations in 2019</p>	

