

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 AVERAGE NORMALS DEPARTURES		1657		1118		539.0	1387.1	-13.6	1606	30	34	6.12	2.44	0.42	0	0	Col.26-27	
		30	30	30	30	30	30	30	30	30	30	12	12	11	0.0	0.0	DAILY AVE RH	
		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
		60.33		37.96		22.38	49.14		54.10	0.92	1.04	3.59	0.58	0.13	0.0	0.0	69.3	Percent
		-5.11		-0.70		-4.41	-2.91		-0.57	0.08	0.09	2.53	1.86	0.29	0.0	0.0	7.0	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	76.9	Nov-02	58.0	Nov-20	Nov-02	Nov-25	Nov-03	AVERAGE 1.07		Nov-05	Nov-05	Nov-05			Precip	24 Hr.
Ave. 5.2			Dep.		Dep.					Normal 0.98							Amount	1.64
Departure -1.2			-4.4		7.0					Depart. 0.09							Date	Nov 05
																	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	44.8	Nov-29	23.5	Nov-09	Nov-23	Nov-03	Nov-30	CLEAR	14	12	8	DAYS	2	DAYS	0	DAYS
Ave. 8.7			Dep.		Dep.					PT. CLO.	2	2	HOTTEST	68.5	Highest	Lowest	COOLEST	31.8
Departure 2.3			-9.0		-1.7					CLOUDY	14	16	DAY	11-02	Mean	Mean	DAY	11-23
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	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				<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>								
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG		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			1854.6	464		2834	1743	907.34	898.32	902.83	TOTAL	0	0	0	4	0	6	11		
			30	30	30	30	30	30	30	30	30	NORMAL	0.0	0.3	0.7	2.9	0.7	11.4	9.0	
AVERAGE			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	1.1	-0.7	-5.4	2.0
NORMALS			Miles	1463.1	46.3	17.21		92.0	46.6	30.24	30.03	30.13	Rating ► Intensity	0	0	0	6	0	23	34
Departures			Miles	391.5	15.5	-1.74		2.5	11.5	0.00	-0.08	-0.04		GLAZE	SLEET	SNOW	FOG		Dew	Frost
MAXIMUM DATES			Dates	159.5	32	SW	100	90	30.60	30.37	30.45	0.41	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>							
			1	Nov-02	Nov-02	21:26	Nov-06	Nov-06	Nov-23	Nov-11	Nov-23	Nov-04								
			2																	
			3																	
Min. Temps. >= 70°F						Ave. Max.							<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>							
			4																	
2018 0			Dates	14.8	9	31.1	72	29.73	29.49	29.67	-0.46	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>								
Ave. 0.0			Nov-07	Nov-07	Dep.	Nov-23	Nov-10	Nov-27	Nov-26	Nov-02	Nov-24									
Departure 0.0												<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>								
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			

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West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.56929° W. - Koontz

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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
	<div>The daily records for the month are listed on page # 4 and not found in the remarks.</div> <div>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</div> <div>www.glenallenweather.com/upload/glenallencimate/log/2018/Rules.pdf</div>

Nov

2018

The Glen Allen Station had 20 Records or Record Ties in November 2018

[illegible]

NOVEMBER TEMPERATURE GRAPH

