

PAGE #1		Sep 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	
Sep 2016	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																			
Sep-01	Thu	83.7	13:21	71.8	7:08	11.9	77.8	-5.2	79	2	2	0.01	0.01	T			0043	0105																			
Sep-02	Fri	79.1	14:50	67.3	7:29	11.8	73.2	-4.6	78	2	2																										
Sep-03	Sat	72.3	11:53	65.1	5:13	7.2	68.7	-4.5	76	2	2	0.26	0.09	0.02			0100	0600																			
Sep-04	Sun	78.2	13:25	61.6	23:58	16.6	69.9	1.2	75	2	2	T	T	T			0750	0755																			
Sep-05	Mon	84.5	15:15	56.6	6:59	27.9	70.6	0.6	73	0	1																										
Sep-06	Tue	91.8	15:32	60.0	6:58	31.8	75.9	5.4	74	0	0																										
Sep-07	Wed	90.2	16:23	69.2	4:45	21	79.7	3.8	76	2	2	0.25	0.11	0.02			0652	0701																			
Sep-08	Thu	93.8	15:18	71.8	6:39	22	82.8	3.1	76	1	1	0.03	0.05	0.02			0045	0155																			
Sep-09	Fri	96.9	15:08	72.6	6:31	24.3	84.8	2.0	77	1	1																										
Sep-10	Sat	93.3	14:36	73.8	6:17	19.5	83.6	-1.2	78	2	1																										
Sep-11	Sun	85.8	11:28	66.0	23:58	19.8	75.9	-7.6	78	0	2																										
Sep-12	Mon	85.2	15:23	61.7	5:51	23.5	73.5	-2.5	76	0	1																										
Sep-13	Tue	88.7	15:28	66.4	2:58	22.3	77.6	4.1	76	1	0																										
Sep-14	Wed	94.6	14:59	69.7	7:01	24.9	82.2	4.6	76	1	0																										
Sep-15	Thu	76.3	0:01	68.0	6:25	8.3	72.2	-10.0	76	2	2																										
Sep-16	Fri	81.9	15:21	65.1	2:49	16.8	73.5	1.3	75	2	1																										
Sep-17	Sat	86.0	15:34	63.1	6:51	22.9	74.6	1.1	75	1	1																										
Sep-18	Sun	89.8	15:21	69.7	5:28	20.1	79.8	5.2	75	1	1																										
Sep-19	Mon	77.9	0:01	70.8	22:44	7.1	74.4	-5.4	76	2	2	2.02	0.67	0.14			0108	0430																			
Sep-20	Tue	74.0	15:29	69.3	6:51	4.7	71.7	-2.7	75	2	2	T	T	T			0100	0105																			
Sep-21	Wed	74.0	12:48	71.1	3:53	2.9	72.6	0.9	74	2	2	0.49	0.34	0.14			0243	0610																			
Sep-22	Thu	80.1	16:11	68.3	2:51	11.8	74.2	1.6	74	2	2	0.14	0.14	0.05			0522	0625																			
Sep-23	Fri	86.2	14:53	63.1	6:36	23.1	74.7	0.5	74	0	0																										
Sep-24	Sat	86.6	14:29	63.3	6:51	23.3	75.0	0.3	74	0	1																										
Sep-25	Sun	74.4	14:30	63.8	5:54	10.6	69.1	-5.8	75	2	2	0.01	0.01	T			0033	0105																			
Sep-26	Mon	70.9	15:24	64.3	0:01	6.6	67.6	-1.5	74	2	2	0.06	0.06	0.02			2303	2400																			
Sep-27	Tue	72.3	16:09	67.2	1:17	5.1	69.8	2.2	73	2	2	0.09	0.05	0.01			0001	0400																			
Sep-28	Wed	78.6	13:21	66.5	23:42	12.1	72.6	2.8	73	2	2	1.51	0.82	0.27			0325	0355																			
Sep-29	Thu	75.4	14:18	66.0	5:15	9.4	70.7	-1.8	71	2	2	1.41	0.60	0.14			0001	0225																			
Sep-30	Fri	71.4	13:06	65.7	8:27	5.7	68.6	-2.1	72	2	2	0.41	0.15	0.05			0001	0155																			
TOTAL NUMBER		2474		1999		475.0	2236.4	-14.4	2254	42	43	6.69	3.10	0.88	0.0	0.0	Col.26-27																				
AVERAGE		82.46	13:39	66.63	7:55	15.83	74.55		75.13	1.40	1.43	Ave. Tot.	Ave.Max	Ave.Max			78.4	Percent																			
Normals		81.12		61.38		19.74	71.25		73.43	0.96	1.02	3.67	1.10	0.19			73.4	Percent																			
Departures		1.35		5.25		-3.90	3.30		1.70	0.44	0.41	3.02	-0.28	0.08			5.0	Percent																			
Max >70°F	Dates	97		74		31.8	84.8	5.4	79.0	Whole Day		2.02	0.82	0.27			Precip	24 Hr.																			
30 DAYS	1	Sep-09		Sep-10		Sep-06	Sep-09	Sep-06	Sep-01	Average	1.42	Sep-19	Sep-28	Sep-28			Amount	2.86																			
Departure	2									Normal	1.08						Date	28th																			
30.9	3									Depart	0.34						Date	29th																			
MINIMUM	Dates	71		57		2.9	67.6	-10.0	71.0	SKY		AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES																		
MIN >70°F	1	Sep-26		Sep-05		Sep-21	Sep-26	Sep-15	Sep-29	CLEAR	6	4		8	DAYS	3	DAYS	0	DAYS																		
6	2									PT. CLO.	6	9																									
DAYS	3									CLOUDY	18	17																									
Departure	<=32 °F	0	<=32 °F	0	MAX.	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55			Hottest	84.8	Highest	Lowest	COOLEST	67.6															
4.1	>=90 °F	7	>=70 °F	6	DAYS	2	7	14	17	23	30	30	30	30			Mean	Mean	Mean	DAY	9-26																

REMARKS FOR THE MONTH	
September - 2016	
Sep-01	MOSTLY CLOUDY ALL DAY BECAUSE OF A COLD FRONTAL PASSAGE AROUND 1700
Sep-02	SOLAR HALO SEEN TODAY-HEAVY DEW EARLY -WIND REDUCED DEW BY SUNRISE-TROPICAL STORM HERMINE HEADED FOR VA COAST-BEAUTIFUL SUNSET
Sep-03	THE TIMES ON 3 OTHER SPRINKLES NOT REC.-ONLY LIGHT RAIN-PRECIP. PDS. WERE MAINLY DRIZZLE
Sep-04	2 SPRINKLES IN AM-TOTALLY CLOUDY WITH ALTOSTRATUS THEN BROKEN SKY STARTED AT 1300-1630 THEN PC AND CLEAR BY 1800-PM EST. 70-75% CLOUDY
Sep-05	COOLEST AM SINCE JUNE 19TH WHEN IT WAS 55.1°F -A VERY CLEAR AM THEN CIRRUS CAME IN AROUND 1145 AND CIRROSTRATUS BY 1600
Sep-06	VERY CLEAR HOT AND VERY DRYING DAY WITH WIND AND LOW REL. HUMIDITY-ALSO A LARGE TEMP. RANGE TODAY
Sep-07	MORE DEW ON GRASS THAN SKY MIRROR-3RD PD. PRECIP. 2010-2125 ASSOC. WITH THUNDERSTORM WHICH WAS STRONGER TO OUR EAST
Sep-08	VERY HOT FOR SEPT. AND ALSO HUMID-CLEAR PD. 1215-1315-AM EST. 55% CLOUDY, PM EST. 45-50% CLOUDY
Sep-09	HOTTEST SINCE AUG. 26, 2016 WHEN IT WAS 97.2°F -SUN THROUGH CIRRUS-AM EST. 30-40% CLOUDY-PM MORE CIRRUS AND EST. 60-70% CLOUDY
Sep-10	SOME SUN THROUGH CIRRUS THEN CIRROSTRATUS-CLEAREST PD. 1300-1415 THEN SCATTERED CUMULUS UNTIL 1700
Sep-11	CLOUDS CAME IN AROUND 1000 AS SCATTERED CUMULUS, CIRRUS AND STRATUS BY NOON-PM WAS CLOUDY BUT AM EST. 25% CLOUDY
Sep-12	AM ONLY SCATTERED FIBROUS CIRRUS AND PM HAD MORE SCATTERED CUMULUS
Sep-13	
Sep-14	VERY HOT FOR MID-SEPT. ALSO VERY CLEAR FROM 1030 TO SUNSET-NEW REC. MAX. FOR DATE HERE
Sep-15	CLEAR FROM SUNRISE TO 0830 THEN CLOUDY THE REST OF DAY
Sep-16	CLEARING STARTED AT 1130 AND VERY CLEAR BY 1245-CUMULUS AND STRATOCUMULUS FROM 1515-1600 THEN ALTOCUMULUS
Sep-17	CLOUDY FROM 0645-0835 THEN CLEAR 0845-1035 AND PC THE REST OF DAY-VERY DRY-AUG., SEPT. RAIN DEFICIT NOW EQUALS 4.70 INCHES
Sep-18	FOG CLEARED AROUND 0815 AND SKY BECAME PC AT 1020 AND AM WAS ABOUT 50-60% CLOUDY-CLOUDY AFTER 1745
Sep-19	THUNDERSTORM RATED 2-1-3 BET. 0200-0300-3RD PD. OF PRECIP. 0955-1700-A GREATLY NEEDED RAIN-MOST RAIN IN A CALENDAR DAY SINCE NOV. 9, 2015
Sep-20	CLOUDY, DAMP AND COOL DAY WITH A VERY LIGHT SPRINKLE-BUT MUCH MORE RAIN IN SE VA
Sep-21	3RD PD. OF PRECIP. 1135-1420-HEAVIEST SHOWER OCCURRED AROUND 1430
Sep-22	3RD PD. SHOWER 1623-1725-CLOUDY MOST OF DAY AND MUCH MORE HUMID
Sep-23	HEAVY DEW MAINLY GUTTATION WITH DROPS ON TIPS OF GRASS BUT STILL SOME LIQUID ON GRASS FROM THE 1623-1705 RAIN YESTERDAY
Sep-24	CLEAR UNTIL 1500 THEN CUMULUS CAME IN AND WAS CLOUDY BY 1715-VERY CALM CLEAR NIGHT AND A VERY HEAVY DEW
Sep-25	CLOUDY ALL DAY EXCEPT A BROKEN OVERCAST FROM 1315-1415
Sep-26	3RD PD. SPRINKLE 0810-1835
Sep-27	3RD SPRINKLE 1415-1435, 4TH PD. THUNDERSTORM 1550-1600-TS WAS STRONG WITH HAIL THAT PASSED TO OUR NW AND MUCH LIGHTNING-5TH PD. 1625-1725, 6TH PD. 1855-2030, 7TH PD. 2140-2400
Sep-28	ON AND OFF LIGHTNING FROM MIDNIGHT TO 0430-6 SPRINKLES DURING DAY BUT SO LIGHT THEY DID NOT MAKE 0.01 INCH BUT THEN DRIZZLE AFTER 2200
Sep-29	SOME AREAS TO EAST AND SE RECEIVED VERY HEAVY RAIN, VARINA REPORTED ALMOST 8 INS. OF RAIN THAT OCCURRED ON THE 28TH-CLOUDY DAMP DAY-BREEZY AFTERNOON - 3RD PD 0830-1005
Sep-30	DRIZZLE FROM MIDNIGHT TO 0430 - CLOUDY AND DAMP ALL DAY WITH PERIODS OF DRIZZLE-3RD PD OF DRIZZLE FROM 1305 TO 1555 - SHOWER FROM 1610 TO 1535 & A SHOWER 1848-2200
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Sep-27	ON & OFF THUNDER DURING THE NIGHT, MOST LIGHTNING TO EAST-AIRPORT REPORTED 4.16 INCHS OVER NIGHT & ANOTHER 0.58 DURING THE DAY FOR A TOT. OF 4.74 INCHES A NEW DAILY RECORD. THIS HEAVY RAINFALL SCENARIO WAS CAUSED BY A SLOW MOVING UPPER LOW TO OUR NW PULLING A SE AND EASTERLY FLOW OFF THE ATLANTIC ALSO ASSOC. WITH A WARM FRONT/STATIONARY FRONT
Sep-29	4TH PD. OF PRECIP FROM 2100 TO 2400
<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/glenallencimate/loq/2016/2016_Obs_Rules.pdf</p>	

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Sep
2016

DAILY RECORDS FOR THE MONTH

The Glen Allen Station had 33 Records or Record Ties in September 2016

1	The daily temperature range on the 1st was 11.9°F, a new 8 year LOW daily temperature range record for the date - the old record was 17°F in 2012.
2	The daily temperature range on the 2nd was 11.8°F, a new 8 year LOW daily temperature range record for the date - the old record was 17°F in 2013.
3	The daily precipitation on the 3rd was 0.26 inches, a new 8 year HIGH daily precipitation record for the date - the old record was a trace in 2014 and 2012. The daily temperature range on the 3rd was 7.2°F, a new 8 year LOW daily temperature range record for the date - the old record was 15°F in 2012. The maximum temperature on the 3rd was 72.3°F, a new 8 year LOW daily maximum temperature record for the date - the old record was 78°F in 2009.
4	The maximum temperature on the 4th was 78.2°F, a new 8 year LOW daily maximum temperature record for the date - the old record was 82°F in 2013.
5	
6	
7	The minimum temperature on the 7th was 69.2°F, a new 8 year warm daily minimum temperature record for the date - the old record was 67.5°F in 2015.
8	The maximum temperature on the 8th was 93.8°F, a new 8 year HIGH daily maximum temperature record for the date - the old record was 91.5°F in 2015.
9	The maximum temperature on the 9th was 96.9°F, a new 8 year HIGH daily maximum temperature record for the date - the old record was 93.5°F in 2015. The daily temperature range on the 9th was 24.3°F, a new 8 year HIGH daily temperature range record for the date - the old record was 23°F in 2010.
10	The minimum temperature on the 10th was 73.8°F, a new 8 year warm daily minimum temperature record for the date - the old record was 69.5°F in 2015. The maximum temperature on the 10th was 93.3°F, a new 8 year HIGH daily maximum temperature record for the date - the old record was 91°F in 2013.
11	
12	
13	
14	The maximum temperature on the 14th was 94.6°F, a new 8 year HIGH daily maximum temperature record for the date - the old record was 92°F in 2008.
15	The maximum temperature on the 15th was 76.3°F, a new 8 year LOW daily maximum temperature record for the date - the old record was 78°F in 2013 and 2012. The minimum temperature on the 15th was 68°F, and equaled the 8 year HIGH daily minimum temperature record for the date - the old record was set in 2008. The daily temperature range on the 15th was 8.3°F, a new 8 year LOW daily temperature range record for the date - the old record was 20°F in 2008.
16	
17	
18	The maximum temperature on the 18th was 89.8°F, a new 8 year HIGH daily maximum temperature record for the date - the old record was 85.2°F in 2015. The minimum temperature on the 18th was 69.7°F, a new 8 year warm daily minimum temperature record for the date - the old record was 65°F in 2012.
19	The minimum temperature on the 19th was 70.8 a new 8 year warm daily minimum temperature record for the date - the old record was 64.1°F in 2015. The daily precipitation on the 19th was 0.96 inches, a new 8 year HIGH daily precipitation record for the date - the old record was 0.02 inches in 2012. The daily temperature range on the 19th was 7.1°F, a new 8 year LOW daily temperature range record for the date - the old record was 15°F in 2008.
20	The minimum temperature on the 20th was 69.5°F, a new 8 year warm daily minimum temperature record for the date - the old record was 64.8°F in 2015. The daily temperature range on the 20th was 4.7°F, a new 8 year LOW daily temperature range record for the date - the old record was 13°F in 2011. The daily precipitation on the 20th was T inches, and equaled the 8 year HIGH daily precipitation record for the date - the old record was set in 2011.
21	The minimum temperature on the 21st was 71.1°F, a new 8 year warm daily minimum temperature record for the date - the old record was 66°F in 2011. The daily temperature range on the 21st was 2.9°F, a new 8 year LOW daily temperature range record for the date - the old record was 7.9°F in 2015.
22	The daily precipitation on the 22nd was 0.14 inches, a new 8 year HIGH daily precipitation record for the date - the old record was 0.12 inches in 2011.
23	
24	
25	
26	
27	The maximum temperature on the 27th was 72.3°F, a new 8 year LOW daily maximum temperature record for the date - the old record was 73°F in 2013. The daily temperature range on the 27th was 5.1°F, a new 8 year LOW daily temperature range record for the date - the old record was 13°F in 2010 and 2008.
28	The daily temperature range on the 28th was 12.1°F, a new 8 year LOW daily temperature range record for the date - the old record was 12.8°F in 2015. The daily precipitation on the 28th was 1.51 inches, a new 8 year HIGH daily precipitation record for the date - the old record was 0.21 inches in 2015.
29	
30	The maximum temperature on the 30th was 71.4°F, a new 8 year LOW daily maximum temperature record for the date - the old record was 73°F in 2009. The daily temperature range on the 30th was 5.7°F, a new 8 year LOW daily temperature range record for the date - the old record was 14°F in 2014 and 2010.