PAGE #1	Oct 2018 West Henrico Co Glen Allen Weather Center 37.6554° N. 77.5692° W Koontz																		
Oct	Week	3	TEMPERA	TURE °F	6	7	TEMPER.	ATURE °F	10	11 SI	12 KY	13 P F	RECIPITATI	15 ON	FROZ.	PRECIP.	18 19 1st PERIOD		
2018	Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM PM		Liquid				NEW GROUND		START END	
Oct-01	Mon	83.3	14:16	61.7	2:05	21.6	72.5	3.7	73	1	1								
Oct-02	Tue	85.2	14:28	63.3	7:33	21.9	74.3	1.8	73	1	2								
Oct-03	Wed	89.0	13:37	65.3	7:19	23.7	77.2	2.9	74	0	1								
Oct-04	Thu	91.2	14:07	65.8	6:16	25.4	78.5	1.3	74	1	0								
Oct-05	Fri	75.1	9:54	66.2	23:09	8.9	70.7	-7.8	75	2	2								
Oct-06	Sat	80.5	15:39	65.1	3:08	15.4	72.8	2.1	74	2	2								
Oct-07	Sun	89.2	14:48	69.0	7:20	20.2	79.1	6.3	74	0	1								
Oct-08	Mon	85.9	13:53	71.0	3:04	14.9	78.5	-0.6	75	2	2								
Oct-09	Tue	84.2	15:12	70.8	1:55	13.4	77.5	-1.0	75	2	2	0.01	0.01	Т			1350	1405	
Oct-10	Wed	82.5	15:30	69.8	1:40	12.7	76.2	-1.3	75	2	2	0.01	0.01	Т			1230	1335	
Oct-11	Thu	83.2	13:02	67.8	20:23	15.4	75.5	-0.7	75	2	2	4.03	2.17	0.28			0220	0500	
Oct-12	Fri	69.2	14:18	51.2	23:58	18.0	60.2	-15.3	74	0	0								
Oct-13	Sat	67.4	13:44	45.3	23:57	22.1	56.4	-3.9	71	2	1	Т	Т	Т			0355	0400	
Oct-14	Sun	62.3	14:52	45.3	0:01	17.0	53.8	-2.6	70	2	2	0.01	0.01	Т	1		1105	1125	
Oct-15	Mon	79.8	13:53	57.9	8:03	21.9	68.9	15.1	69	2	2	T	Т	Т			0405	0425	
Oct-16	Tue	72.1	0:58	57.0	23:33	15.1	64.6	-4.3	70	2	2	0.02	0.02	0.01	-		1800	1805	
Oct-17	Wed	71.8	14:20	49.0	23:26	22.8	60.4	-4.2	69	2	0	0.14	0.11	0.01	1		0001	0415	
Oct-18	Thu	61.5	14:20	41.7	23:45	19.8	51.6	-8.8	68	0	0				1				
Oct-19	Fri	66.6	14:35	37.0	7:27	29.6	51.8	0.2	66	0	0	0.11							
Oct-20	Sat	66.8	15:21	49.8	23:59	17.0	58.3	6.5	65	2	2	0.14	0.05	0.01			0105	1000	
Oct-21	Sun	58.5	13:32	36.6	23:55	21.9	47.6	-10.8	64	0	0	Т	Т	T			0032	0038	
Oct-22	Mon	59.1	15:33	31.1	6:41	28.0	45.1	-2.5	63	0	0			-	1				
Oct-23	Tue	72.0	15:03	41.4	6:27	30.6	56.7	11.6	61	0	0				1				
Oct-24	Wed	60.6 55.2	13:19	37.9	23:59	22.7	49.3	-7.5	61	0	0				+				
Oct-25	Thu Fri	52.7	15:34	33.1 40.6	7:44 5:12	22.1	44.2	-5.1 2.5	60 59	2	2	1.69	0.47	0.07	+		1025	2400	
Oct-26 Oct-27	Sat	60.2	23:55 15:55	48.9	5:12 8:14	12.1 11.3	46.7 54.6	2.5 7.9	58	2	2	0.36	0.47	0.07	1		1035 0001	2400 1135	
Oct-27	Sun	63.7	13:24	44.2	7:27	19.5	54.0	-0.6	59	2	0	0.36 T	T T	T			1950	2005	
Oct-29	Mon	66.5	13:55	41.6	23:13	24.9	54.0	0.1	59 	0	1	'	'	 '	+		1900	2000	
Oct-29	Tue	64.9	14:20	36.7	7:14	28.2	50.8	-3.2	59	0	0				+				
Oct-30	Wed	71.8	13:46	45.1	3:26	26.7	58.5	7.7	59	0	1								
TOTAL		2232		1607		624.8	1919.6	-10.4	2101	33	34	6.41	2.96	0.39	0	0	Col	26-27	
NUMBER		31	31	31	31	31	31	31	31	31	31	9	9	6	0	0		AVE RH	
AVERAGE		72.00	14:09	51.85	11:47	20.15	61.92		67.77	1.06	1.10	Ave. Tot.	Ave. Max	Ave. Max	Ave. Tot.	Ave. Days	79.0	Percent	
NORMAL		70.71		49.50		21.21	60.10		64.73	0.96	1.01	3.74	0.54	0.14	0.0	0.0	74.0	Percent	
DEPARTUR	ES	1.29		2.35		-1.06	1.82		3.04	0.10	0.09	2.67	2.42	0.25	0.0	0.0	5.0	Percent	
Max. Temp			Ave.HighMax	71.0	Ave.HighMin	30.6	79.1	15.1	75.0	Whol	e Day	4.03	2.17	0.28	0.0	0.0	Precip	24 Hr.	
2018	16	Oct-04	85.6	Oct-08	66.4	Oct-23	Oct-07	Oct-15	Oct-05	Ave.	1.08	Oct-11	Oct-11	Oct-11			Amount	4.03	
Ave.			Dep.		Dep.				Oct-08	Normal	0.99						Date	Oct-11	
Departure			5.6		4.6				Oct-09	Depart.	0.10						Date		
Min. Temp		52.7	Ave.LowMax	31.1	Ave.LowMin	8.9	44.2	-15.3	58.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
2018	1	Oct-26	53.6	Oct-22	33.4	Oct-05	Oct-25	Oct-12	Oct-27	CLEAR	13	11	5	DAYS	2	DAYS	1	DAYS	
Ave.	8.0		Dep.		Dep.					PT. CLO.	3	6	HOTTEST	79.1	Highest	Lowest	COOLEST	44.15	
Departure	0.2		-0.9		-2.2					CLOUDY	15	14	DAY	10-07	Mean	Mean	DAY	10-25	
Days Max.	<=32 °F	0		MAX.	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35	>=32	>=30	
Days Max.	>=90°F	1		DAYS	1	5	11	12	16	22	27	30	31	31	31	31	31	31	

PAGE #2	Oct	2018	West Hei	nrico Co	Glen A	llen Wea	ther Cen	ter 37.65	54° N. 77	.5692° W	Koont	Z						
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Oct			WIND			REL. HUMIDITY			BAROMETRI			01.475	0	0110111		- <	D=144	
2018	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG		DEW	FROST
Oct-01			52.1	14	12:43	97	64	30.35	30.22	30.29	-0.03						4	
Oct-02			85.2	19	11:58	98	63	30.25	30.07	30.16	-0.13						4	
Oct-03			29.3	11	0:15	98	58	30.09	30.02	30.06	-0.11						3	
Oct-04			30.1	11	12:25	99	56	30.06	29.96	30.01	-0.05						5	
Oct-05			67.6	14	11:47	97	81	30.16	29.96	30.06	0.05						4	
Oct-06			25.4	9	20:53	96	77	30.20	30.13	30.17	0.10						1	
Oct-07			34.4	10	12:29	98	64	30.24	30.17	30.21	0.04				4		4	
Oct-08			48.5	12	17:18	100	69	30.33	30.23	30.28	0.08				4		4	
Oct-09	1655	1715	39.2	11	16:11	100	71	30.33	30.18	30.26	-0.03				3		5	
Oct-10			48.5	14	11:30	98	76	30.19	29.88	30.04	-0.22						5	
Oct-11	1400	1500	146.0	38	19:22	97	82	29.88	29.36	29.62	-0.42					1	P	
Oct-12			51.5	28	0:21	97	54	29.84	29.46	29.65	0.03					1	P	
Oct-13	0558	0615	57.7	15	15:53	94	55	30.17	29.80	29.99	0.34						P	
Oct-14	1200	1235	30.8	9	9:31	96	75	30.28	30.17	30.23	0.24					1	3	
Oct-15	0455	0520	91.7	22	14:02	95	70	30.21	30.01	30.11	-0.12						3	
Oct-16	2203	2400	71.4	16	3:56	90	67	30.23	30.01	30.12	0.01						N	
Oct-17			33.5	15	13:58	98	40	30.22	30.03	30.13	0.00						Р	
Oct-18			61.6	18	13:50	94	44	30.46	30.22	30.34	0.22						3	
Oct-19			76.2	18	15:09	99	45	30.40	29.98	30.19	-0.15						5	1
Oct-20	1055	1100	85.6	18	1:48	96	72	29.98	29.69	29.84	-0.35						Р	
Oct-21			79.9	28	11:13	92	45	30.30	29.75	30.03	0.19						N	
Oct-22			63.0	15	12:06	98	50	30.38	30.18	30.28	0.26							3
Oct-23			74.3	17	15:12	95	43	30.18	29.99	30.09	-0.20						3	
Oct-24			66.0	17	11:02	94	45	30.27	30.11	30.19	0.10						4	
Oct-25			26.6	13	10:03	98	53	30.28	30.10	30.19	0.00						4	2
Oct-26			53.1	20	18:17	98	92	30.13	29.67	29.90	-0.29						4	
Oct-27	2035	2130	62.7	18	1:13	98	84	29.74	29.53	29.64	-0.27						Р	
Oct-28			84.0	18	15:15	96	55	29.92	29.73	29.83	0.19						3	
Oct-29			50.6	17	11:57	99	47	30.12	29.78	29.95	0.13						4	
Oct-30			25.6	13	12:42	99	47	30.21	30.11	30.16	0.21						4	
Oct-31			105.8	20	11:56	94	55	30.16	29.99	30.08	-0.09						3	
TOTAL	Colum		1857.9	518		2998	1899	935.56	928.49	932.03	TOTAL	0	0	0	2	1	22	3
NUMBER	Mar. Wii		31	31	31	31	31	31	31	31	NORMAL	0.0	0.1	0.0	2.3	1.2	18.9	2.1
AVERAGE	Total	1857.9	59.9	16.71	11:48	96.7	61.3	30.18	29.95	30.07	DEPART.	0.0	-0.1	0.0	-0.3	-0.2	3.1	0.9
NORMAL	Miles	1576.5	51.0	17.0		95.4	52.5	30.14	29.96	30.05	Rating ►	0	0	0	7	1	82	6
Departures	Miles	281.4	8.9	-0.3		1.3	-8.8	0.04	-0.01	0.01	Intensity	AZE	E	NO O	(D	17	>	ost
	MUMIXAN	Dates	146.0	38	North	100	92	30.46	30.23	30.34	0.34	_ ₹	Ē		FOG	IS.	Dew	F. O.
	DATES	1	Oct-11	Oct-11	19:22	Oct-08	Oct-26	Oct-18	Oct-08	Oct-18	Oct-13	GL	SL	S				
		2				Oct-09						5. Very He	•				No Dew Ob	
		3										4. Heavy-l				P- Precip	. prevent c	bs.
Min. Temps.		4			Ave. Max.				00.00			3. Modera						
2018		Dates	25.4	9	31.1	90	40	29.74	29.36	29.62	-0.42	2. Light - :						
Ave.	0.2	1	Oct-06	Oct-06	Dep.	Oct-16	Oct-17	Oct-27	Oct-11	Oct-11	Oct-11	1. Very Li	ght - Slight	t - Trace				
Departure	2.8	2		Oct-14	6.9							M - Event	with inten	sity missir	ng			
Days Min. <		1	MIN.	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=32	<=30	<=25			
Days Min >	=70°F	3	DAYS	31	29	24	20	18	17	14	6	2	1	0	0			

PAGE #3	West Henrico Co Glen Allen Weather Center 37.6554° N. 77.5692° W Koontz
39	40 DEMARKO FOR THE MONTH
Oct	REMARKS FOR THE MONTH
2018	October - 2018
	CLOUDS CLEARED AT 0945 AND STAYED CLEAR TO 1400 AND BECAME PC THE REST OF THE DAY
	HIGH VERY THIN AM CIRRUS WITH ABOUT 80-90% COVERAGE BUT RADIATION THROUGH CLOUDS OF CIRROSTRATUS AFTER 1700 - MOST OF SKY COVERED WITH CLOUDINESS
	CLOUDS STARTED TO COME IN AT 1015 AS MAINLY CIRRUS THEN CUMULUS BY 1300 & PC TO MOSTLY CLOUDY IN PM EST. 50-60%
	EXTREMELY WARM FOR OCT MUCH SOLAR RADIATION THROUGH CIRRUS IN AM & PM BECAME CLEAR UNTIL 1700-PM EST. 30% CLOUDY
	CLOUDY ALL DAY EXCEPT EARLY MORNING & FIRST COOL DAY SINCE SEPT. 23 WHEN IT WAS 67.4°F FOR THE MAX.
	ONLY A FEW BREAKS IN CLOUDS AROUND 1315 & 1330 & 1515-VERY WARM FOR OCT.
	CUMULUS CAME IN AT 1100 & PM WAS PC WITH CUMULUS - EXTREMELY HOT FOR OCT MAX. DEW POINT OF 76°F AT 1250
	HEAVY FOG AT 0715 THAT CLEARED BY 0940 & CLOUDS CLEARED BY 1100 THEN PC TO 1345 & THEN CLOUDY AGAIN
	FOG CLEARED AROUND 0800 BUT ONLY OCCASIONAL SUN-HIGH DEW POINT WAS 73.7°F-VERY HUMID-AS THIS SUMMER HAS BEEN AND SEEMS AN ENDLESS SUMMER-OCT. NOW RUNNING
Oct-10	IT WAS CLOUDY MOST OF DAY EXCEPT 1100-1145 & VERY HUMID-HURRICANE MICHAEL CAME ASHORE JUST EAST OF PANAMA CITY AROUND 1330 WITH WINDS 155MPH & 3RD STRONGEST
	LOW MIN. IN MORNING WAS A VERY HIGH 74.4°F AT 0516-THE 67.8°F MIN. WAS REC. AT 2023-RAIN PD. 0220-0500 ONLY 0.01 INCHES, PD. 1400-1500 WAS 0.01 INSHEAVY RAIN STARTED AT
	COOLEST SINCE MAY 9TH WHEN IT WAS 48.8°F-BEAUTIFUL FALL LIKE DAY WITH VERY DEEP BLUE SKY
	CLEAR FROM 0930-NOON-THEN CUMULUS THAT BECAME THICKER DURING AFTERNOON UNTIL 1545 THEN CLEAR AGAIN-PM EST. TO BE 55-65% CLOUDY
Oct-14	LOWEST MAX. TEMP. TODAY SINCE APRIL 11 WHEN MAX. WAS 60.7°F-MIN. DEW POINT WAS A COOL 43.1°F AT 0346
	CLOUDY UNTIL 1100 THEN BROKEN OVERCAST TO PC SKY UNTIL 1400 THEN CLOUDY TO SUNSET - MUCH WARMER BUT COLD FRONT IS APPROACHING
	FALL LIKE DAY AND COOLER WITH ONLY A LITTLE SUN AND BREEZY WINDS FROM NORTH & BECAME NE
	CLEARING SLOWER TO SOUTH & OCCURRED ABOUT 1030 & PM BECAME VERY CLEAR AFTER 1330-BEAUTIFUL FALL PM LOWEST MIN. TEMP. SINCE MAY 1 WHEN IT WAS 41.2°F-A VERY SUNNY. BREEZY AND COOL DAY-PAINTED THE DECK
	VERY CLEAR DAY EXCEPT SOME LONELY CIRRUS IN AFTERNOON-DEW WAS SO HEAVY IT GAVE 0.01 INCH IN RAIN GAUGE-COLDEST SINCE APRIL 30 WHEN IT WAS 35.3°F SPRINKLES MOST OF AM-STARTED TO CLEAR AT 1500-PC BY 1615 THEN CLEAR AGAIN BY 1700
	VERY CLEAR AND BREEZY FALL DAY WITH LOW REL. HUMIDITY AND ONLY A FEW CUMULUS CLOUDS - LOWEST MAX. TEMP. SINCE APRIL 24 WHEN IT WAS 58.1°F
Oct-21	VERY CLEAR DAY - WIND SHIFTED S TO SW GIVING A GOOD WARM-UP TO 59°F-COLDEST AM SINCE APRIL 8 WHEN IT WAS 30.1 F
	BEAUTIFUL FALL DAY-LOW DEW POINT OF 39.5°F AT 0627 BUT HIGH TEMP. WAS 72°F WITH A VERY DEEP BLUE SKY AND NO CLOUDS SEEN
	A LITTLE BELOW AVE. TEMP. AND VERY FEW CLOUDS-LOW REL. HUMIDITY AND BREEZY THAT MADE IT FEEL EVEN COOLER
	ALSO FROZEN DEW THIS MORNING-PRETTY FULL HUNTER'S MOON LAST NIGHT-AM EST. 20-25% CLOUDY WITH CIRRUS-PM CIRRUS AND CIRROSTRATUS GIVING A CLOUDY PM
	THUNDER TONIGHT AT 2011 BUT HEARD ONLY ONCE-CHILLY DAY FOR OCTNEW REC. LOW MAX. FOR 26TH
	DRIZZLE IN AM UNTIL 1135 AND BROKEN SKY BY 1530-1630 THEN CLOUDY AGAIN
	STARTED TO CLEAR AT 1045 BUT STILL PC AT NOON-PM CLEAR EXCEPT FOR A FEW FAIR WEATHER CUMULUS
	CLOUDS CAME IN AS STRATOCUMULUS AROUND NOON-PM CLOUDY TO 1645 THEN CLEAR TO SUNSET-PM EST. 60-70% CLOUDY
Oct-30	LESS BREEZE THAN YESTEDAY BUT MORE SUN MAKING IT FEEL A LITTLE WARMER
	AM WAS CLEAR WITH ONLY A FEW SCATTERED CUMULUS THAT BECAME THICKER IN PM BUT STILL A GOOD BIT OF SOLAR RADIATION THROUGH CLOUDS
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Oct-09	14°F ABOVE AVERAGE SO FAR
Oct-10	HURRICANE TO COME ASHORE IN US HISTORY-ONLY LIGHT SPRINKLES DURING RAIN PD. AND LESS THAN 0.01 INCHES
Oct-11	1550-VERY HEAVY RAIN OCCURRED FROM 1855-1935 SAW ABOUT 6-8 LIGHTNING FLASHES BUT HEARD THUNDER ONLY TWICE-VERY DISTANT LIGHTNING NOT RATED AS THIS WAS FROM
, [TROPICAL STORM NOT A TYPICAL TS
,	
. [
, [
, [The daily records for the month are listed on page # 4 and not found in the remarks.
	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/log/2018/Rules.pdf

Page 4	West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz
41	DAILY RECORDS FOR THE MONTH
Oct	DAIL! RECORDS FOR THE MORTH
2018	The Glen Allen Station had 17 Records or Record Ties for October 2018
1	The maximum temperature on the 1st was 83.3°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 83°F in 2013.
2	
3	The maximum temperature on the 3rd was 89°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 86°F in 2012.
4	The maximum temperature on the 4th was 91.2°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 87°F in 2013.
	The minimum temperature on the 4th was 65.8°F, a new 10-year warm daily minimum temperature record for the date - the old record was 65°F in 2012.
5	The daily temperature range on the 5th was 8.2°F, a new 10-year LOW daily temperature range record for the date - the old record was 11°F in 2016.
	The minimum temperature on the 5th was 66.2°F, a new 10-year warm daily minimum temperature record for the date - the old record was 63°F in 2013.
6	The minimum temperature on the 6th was 65.1°F, a new 10-year warm daily minimum temperature record for the date - the old record was 65°F in 2013.
7	The maximum temperature on the 7th was 89.2°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 82.4°F in 2017.
	The minimum temperature on the 7th was 69°F, a new 10-year warm daily minimum temperature record for the date - the old record was 62.7°F in 2016.
8	The maximum temperature on the 8th was 85.9°F, a new 10-year daily HIGH maximum temperature record for the date - the old record was 84.4°F in 2017.
9	
10	
11	The daily precipitation on the 11th was 4.03 inches, a new 10 year HIGH daily precipitation record for the date - the old record was 1.91 inches in 2017.
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	The minimum temperature on the 21st was 36.6°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 38°F in 2013.
	The maximum temperature on the 21st was 58.5°F, a new 10-year cold daily maximum temperature record for the date - the old record was 66°F in 2011.
22	The minimum temperature on the 22nd was 31.1°F, a new 10-year LOW daily minimum temperature record for the date - the old record was 35°F in 2008.
23	
24	
25	The maximum temperature on the 25th was 55.2°F, a new 10-year cold daily maximum temperature record for the date - the old record was 58°F in 2013.
26	The daily precipitation on the 26th was 1.14 inches, a new 10 year HIGH daily precipitation record for the date - the old record was 0.34 inches in 2009.
	The maximum temperature on the 26th was 50.7°F, a new 10-year cold daily maximum temperature record for the date - the old record was 57.7°F in 2015.
27	
28	
29	
30	
31	

