PAGE #1	2	Aug	<b>2013</b>	2013 West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz										19				
Aug	Week	<u> </u>	TEMPER		0	,		RATURE	10	SK			RECIPITAT			FROZ. PRECIP.		PERIOD
2013	Day	MAX.	Time	MIN.	Time	RANGE	MEAN	CHANGE	SOIL	AM PM		Liquid 1 Hr.		5 Min.	NEW GROU			END
Aug-01	Thu	85	17:24	67	23:57	18	76.0	1.5	78	2	1	1.33	0.83	0.03		0.1.001.12	0001	0210
Aug-02	Fri	87	13:56	65	5:57	22	76.0	0.0	76	0	0	1.00	0.00	0.00				02.0
Aug-03	Sat	87	13:13	67	5:26	20	77.0	1.0	77	2	2	Т	Т	Т			1943	1947
Aug-04	Sun	83	15:39	64	23:57	19	73.5	-3.5	78	0	0							
Aug-05	Mon	82	14:19	58	6:43	24	70.0	-3.5	76	0	1							
Aug-06	Tue	75	17:23	64	8:26	11	69.5	-0.5	76	2	2	0.71	0.47	0.39			0258	0935
Aug-07	Wed	86	15:39	70	5:15	16	78.0	8.5	76	2	1	Т	Т	Т			0203	0252
Aug-08	Thu	88	16:00	74	6:25	14	81.0	3.0	78	2	2	Т	Т	Т			0234	0237
Aug-09	Fri	92	15:54	76	6:00	16	84.0	3.0	79	1	0						1000	
Aug-10	Sat	86	12:08	72	13:59	14	79.0	-5.0	80	2	2	1.48	1.46	0.67			1333	1420
Aug-11	Sun	84	17:32	70	5:06	14	77.0	-2.0	78	2	2	0.04	0.03	0.03	4		0001	0103
Aug-12	Mon	90	14:30	71	6:35	19	80.5	3.5	78 <b>80</b>	0	1	0.45	0.40	0.04			0057	0407
_	Tue Wed	87 76	14:58 17:27	74 59	23:57 23:32	13 17	80.5 67.5	0.0 -13.0	<b>80</b> 79	2	1	0.15 0.03	0.12	0.01	-		0057	0107
Aug-14	Thu	78	14:53	57	6:32	21	67.5	0.0	79	2	1	0.03	0.03	0.01	-		0001	0040
Aug-15 Aug-16	Fri	77	13:45	56	6:29	21	66.5	-1.0	75	0	2							
Aug-10 Aug-17	Sat	78	13:43	60	2:31	18	69.0	2.5	74	2	2	0.14	0.12	0.11	-		2045	2400
Aug-17 Aug-18	Sun	68	0:01	65	20:42	3	66.5	-2.5	74	2	2	0.74	0.12	0.09			0001	2040
Aug-10 Aug-19	Mon	73	15:58	63	3:13	10	68.0	1.5	74	2	2	0.14	0.06	0.03			0515	1115
Aug-20	Tue	87	16:50	67	6:09	20	77.0	9.0	75	2	1	0.14	0.00	0.00			0010	1110
Aug-21	Wed	89	14:31	69	5:20	20	79.0	2.0	76	2	2	Т	Т	Т			1812	1840
Aug-22	Thu	90	14:32	72	6:08	18	81.0	2.0	77	1	0	Т	Т	Т			0339	0340
Aug-23	Fri	80	10:39	61	23:47	19	70.5	-10.5	78	2	2	0.99	0.61	0.36			1134	1240
Aug-24	Sat	82	15:39	58	6:36	24	70.0	-0.5	75	0	0							
Aug-25	Sun	80	14:58	60	6:47	20	70.0	0.0	75	1	1							
Aug-26	Mon	86	15:19	56	6:33	30	71.0	1.0	74	0	0							
Aug-27	Tue	90	14:17	66	4:19	24	78.0	7.0	75	1	2	0.02	0.02	0.02			1758	1825
Aug-28	Wed	80	14:47	72	23:59	8	76.0	-2.0	77	2	2	0.40	0.19	0.12			0920	1840
Aug-29	Thu	85	14:51	69	23:59	16	77.0	1.0	76	2	1	0.01	0.01	Т			0840	0855
Aug-30	Fri	86	15:29 14:35	66 70	5:58 5:12	20	76.0	-1.0	76	1	0	0.02	0.01	Т	4		2020	2215
Aug-31 TOTAL	Sat	89 <b>2586</b>	14:35	<b>2038</b>	5:12	19 <b>548.0</b>	79.5 <b>2312.0</b>	3.5 <b>5.0</b>	77 <b>2373</b>	1 <b>41</b>	2 <b>38</b>	6.20	4.23	1.87	0.0	0.0		1.26-27
NUM		31	31	31	31	31	31	31	31	31	31	14	14	1.07	0.0	0.0		AVE RH
AVE.		83.42	14:32	65.74	10:37	17.68	74.58	31	76.55	1.32	1.23	Ave. Tot.	Ave.Max	Ave.Max	U	U	77.0	Percent
			14:32		10:37													
Normals		88.17		68.44		19.74	78.31		78.20	1.02	1.07	4.83 1.38	1.08	0.16			70.4	Percent
Departures		-4.75		-2.70		-2.06	-3.73		-1.7	0.30	0.16		0.38	0.51			6.6	Percent
MAX.	Dates	92		76		30	84.0	9.0	80.0	Whole	•	1.48	1.46	0.67			Precip	24 Hr.
DATES	1	Aug-09		Aug-09		Aug-26	Aug-09	Aug-20	Aug-10	Ave.	1.27	Aug-10	Aug-10	Aug-10			Amount	1.52
	2 3								Aug-13	Normal Depart	1.05 0.23						Date Date	Aug-10 Aug-11
MIN.	Dates	68		56		3	66.5	-13.0	74.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES
DATES	1	Aug-18		Aug-16		Aug-18	Aug-16	Aug-14	Aug-17	CLEAR	7	7	9	DAYS	2	DAYS	0	DAYS
	2			_			_		_	P.CLO.	7	10	HOTTEST	84.0		Lowest	COOLEST	66.5
				Aug-26			Aug-18		Aug-18						Highest			
	3 <=32 °F	0	<=32 °F	0	MAX.	>=95	>=90	>=85	Aug-19 >=80	CLO.	17 >=70	14 >=65	DAY >=60	8-09	Mean	Mean	DAY	8-16
				-	MAA.													
	>=90°F	4	>=70 °F	10		0	4	17	24	29	30	31	31					

PAGE #2	Aug			enrico C									- Koo					
20	21	22	23	24	25	26	JMIDITY	28	29	30 PRESSUR	31	32	33	34	35	36	37	38
Aug	2nd PERIOD		WIND				_									K		
2013	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG		DEW	FROST
Aug-01	1115	1325	38.7	25	18:28	97	62	30.03	29.84	29.94	-0.16				1	3	R	
Aug-02			29.5	15	18:23	99	47	29.99	29.88	29.94	0.00						4	
Aug-03			16.7	10	15:58	95	46	29.98	29.91	29.95	0.01						4	
Aug-04			79.4 26.6	24 12	9:41 17:11	94 95	41 41	30.04 30.11	29.91 30.03	29.98 30.07	0.03						3	
Aug-05	1045	1120				95 97	75									2	4	
Aug-06	1045	1120	37.0 76.2	13 19	3:18 11:59	96	75 57	30.07 30.09	30.00 30.02	30.04 30.06	-0.04 0.02						R R	
Aug-07			73.1	20	16:00	96	57 59	30.09	29.99	30.06	-0.03						1	
Aug-08			114.5	23	17:31	89	57	30.00	29.99	29.95	-0.03						N	
Aug-09 Aug-10	1547	1621	37.2	37	13:37	96	65	30.00	29.90	30.04	0.09					4	3	
Aug-11	0800	1035	6.7	7	9:27	98	71	30.12	30.01	30.07	0.03					7	R	
Aug-11 Aug-12	0000	1000	17.2	17	11:01	98	50	30.12	29.92	29.98	-0.09						5	
Aug-12 Aug-13	0206	0208	50.1	17	13:14	90	60	29.92	29.92 29.75	29.84	-0.09					1	1	
Aug-13 Aug-14	0200	0200	106.7	22	4:37	96	45	30.10	29.81	29.96	0.13						R	
Aug-15			29.0	10	8:10	91	42	30.18	30.10	30.14	0.12						4	
Aug-16			19.8	11	12:17	98	49	30.20	30.12	30.16	0.02						4	
Aug-17			61.0	15	12:29	94	62	30.24	30.17	30.21	0.04						3	
Aug-18			76.7	15	14:02	100	93	30.22	30.15	30.19	-0.02						3	
Aug-19	1318	1323	15.7	12	13:52	98	85	30.21	30.09	30.15	-0.04				1		R	
Aug-20	.0.0	.020	14.7	9	18:40	99	57	30.19	30.10	30.15	0.00				3		4	
Aug-21			26.4	15	16:45	98	57	30.22	30.08	30.15	0.00					1	4	
Aug-22	0346	0358	24.7	13	5:21	96	51	30.11	29.97	30.04	-0.11						3	
Aug-23	1408	1540	37.5	21	20:38	100	69	30.12	29.94	30.03	-0.01					2	3	
Aug-24			36.2	14	14:30	99	50	30.33	30.12	30.23	0.20						4	
Aug-25			24.8	12	12:22	99	45	30.41	30.29	30.35	0.13						5	
Aug-26			51.0	13	9:24	97	46	30.33	30.06	30.20	-0.16						5	
Aug-27			38.3	13	12:53	93	53	30.06	29.91	29.99	-0.21						3	
Aug-28	2025	2235	22.8	11	14:49	97	75	29.96	29.83	29.90	-0.09						R	
Aug-29			69.2	18	16:52	100	64	30.03	29.82	29.93	0.03				1		R	
Aug-30			34.2	14	15:03	98	54	30.07	29.93	30.00	0.07				1		4	
Aug-31			82.8	20	13:34	96	60	29.95	29.82	30.03	0.03					1	3	
TOTAL	Colun	nn 23	1374.4	495		2985	1788	933.48	929.44	931.61	-0.06	0	0	0	5	6	23	0
Number	Aug. Wi	nd Run	31	31	31	31	31	31	31	31	31							
AVE.	Total	1374.4	44.3	16.0		96.3	57.7	30.11	29.98	30.05						~		
Normals	Miles	1167.7	35.9	35.9		93.7	47.1	30.03	29.90	29.96		Щ	H	>		Ä		Ļ.
Departures	Miles	206.7	8.4	-19.9		2.6	10.5	0.08	0.09	0.10		¥2		ò	G	Ĭ	≥	SO
MAXIMUM		Dates	114.5	37	HOUR	100	93	30.41	30.29	30.35	0.20	GLAZE	SLEET	SNOW	FOG	THUNDER	DEW	FROST
				_											_		_	
DATES		1	Aug-09	Aug-10	13:37	Aug-18	Aug-18	Aug-25	Aug-25	Aug-25	Aug-24	5. Very I	•					
		2 3				Aug-23						4. Heavy						
		_				Aug-29						3. Mode		ve.				
		4										2. Light	- < Ave.					
MINIMUM		Dates	6.7	7		89	41	29.92	29.75	29.84	-0.21	1. Very L	₋ight - Sl	light - Tr	ace			
DATES		1	Aug-11	Aug-11		Aug-09	Aug-04	Aug-13	Aug-13	Aug-13	Aug-27	M - Eve	nt with i	ntensity	missin	g		
		2				,	Aug-05	•	,			R - Rain		-				
MINIMUM			. 75	. 70			<=55	. 50				•		.g Dow	2.23Ci VC			
IVITIATIVICIVI		<=80	<=75	<=70	<=65	<=60		<=50	<=45			N-	NONE					
		31	30	24	14	8	0	0	0									

PAGE #3	West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz								
Aug	REMARKS FOR THE MONTH								
2013	August - 2013								
Aug-01	2 PDS OF DRIZZLE AND SPRINKLES BETWEEN 0815-0915-HEAVIEST RAIN OCCURRED BET. 1245-1300-3RD PD. OF PRECIP. 1828-1925								
Aug-02	MOSTLY SUNNY UNTIL 1845 AND A COOL START TO AN EARLY AUG. DAY								
_	BROKEN CLOUDS FROM 1045-1315 AND 1530-1630 THEN CLOUDY REST OF DAY-ONE SPRINKLE IN EVENING								
	BEAUTIFUL DAY FOR EARLY AUG. WITH BLUE SKY AND FEW CLOUDS AND LOW REL. HUMIDITY-DEW POINT OF ONLY 55.9 °F AT 1318								
	COOLEST AM SINCE JUNE 21 WHEN IT WAS 55 °F FOR MAX								
_	STILL COOL FOR AUG. 6TH & A VERY CLOUDY AM (BROKEN OVERCAST LATE PM)-THUNDERSTORMS TO NORTH 0506-0525-LOWEST MAX. TEMP.								
-	MOSTLY CLOUDY IN AM CLEARING STARTED AT 0930-AM WAS ABOUT 70% CLOUDY AND PM WAS ABOUT 50-60% CLOUDY  AM WAS CLOUDY EARLY AND WAS ONLY PC FROM 1030-NOON-PM HAD BROKEN CLOUDS WITH SUNLIGHT THROUGH CIRRUS								
-	HOT AND VERY HUMID DAY-MAX. DEW POINT WAS 78.6 °F AT 1400-THIN CIRRUS UNTIL 1000 THEN SCATTERED CUMULUS AFTER 1300								
	RAINFALL IN ONE MIN. WAS 0.16, IN 5 MINS. 0.67, IN 15 MINS. 1.07 inches-ALL NEW INTENSITY RAINFALL RECORDS-ONE HOUR AMT. WAS 1.46 INS. BUT WAS NOT REC.								
	SPRINKLES BET. 0800-1035-A SHOWER BET. 1352-1435 AND SPRINKLES AGAIN FROM 1926-2002								
	1ST CLOUDS CAME IN AROUND 1115 AND PM WAS PC MAINLY FROM THICK CIRRUS CLOUDS BUT SOME CUMULUS FROM 1130-1515								
	3RD PD. WITH SPRINKLES 0206-0208, 4TH PD. 1053-1055, 5TH PD. A SERIES OF SPRINKLES1013-1256, 6TH PD. SPRIKLES 2100-2130, 7TH PD. A SHOWER 2300-MT								
	1ST REALLY PLEASANT DAY SINCE AUG. 6TH-N WIND AND BREEZE ADDED TO COOLNESS-WEST HALF OF SKY WAS GENERALLY CLEAR IN AM-E HALF CLOUDY								
Aug-15	COOLEST NIGHT SINCE JUNE 21, 2013 WITH A CLOUDY AM THAT BECAME PC AT 1220								
Aug-16	COOLEST NIGHT SINCE JUNE 21, 2013 WHEN IT WAS 55 °F AND CIRRUS CAME IN AT 0930 AND WAS THICK BY 1100 THEN CUMULUS AND BECAME A CLOUDY PM								
	CLOUDY AND COOL DAY AGAIN-NO RAIN THOUGH UNTIL 2045								
	TIED REC. FOR DATE FOR LOWEST MAX. TEMP. AT AIRPORT IN 1918-RAIN AND DRIZZLE ALL DAY-GLEN ALLEN HAD LOWEST MAX. TEMP. SINCE MAY 24, 2013 WHEN								
	RAIN AND DRIZZLE MOST OF DAY-3RD PD. OF RAIN FROM 1451-1510								
	FOG CLEARED AT 0745-STILL A LOT OF CLOUDS BUT PM WAS CLEARER WITH ABOUT 50% CLOUDINESS								
	THUNDERSTORM PASSED TO WEST ONLY SPRINKLES HERE-CLOUDY TO 1045 THEN PC TIL 1700 THEN CLOUDY-BOTH AM AND PM ABOUT 75% CLOUDY								
	LOW CLOUDS CLEARING AT 0915 THEN BECAME VERY CLEAR FROM 1000-1145 AND PM WAS MOSTLY SUNNY WITH ABOUT 20% CLOUDINESS								
	3RD PD. OF PRECIP. 1625-1905, 4TH PD. 2025-2140-RAIN MOST OF AFTERNOON AND EVENING-HEAVIEST THUNDERSTORM WENT TO SW								
	HEAVY DEW-NO RAIN LAST NIGHT AFTER 2140-TODAY WAS A GREAT AUG. DAY WITH TEMPS. 5 DEGREES BELOW AVERAGE-SCATTERED PM CUMULUS DECK WET WITH DEW-SUN THROUGH AM CIRRUS 0815-1215 THEN CIRRUS AND CUMULUS TO 1500 FOLLOWED BY CLEARING								
	VERY CLEAR DAY ALMOST NO CLOUDS								
	AM WAS CLEAR FROM 0845-1115-AM ABOUT 20% CLOUDY - PM HAD SUN THROUGH CIRRUS AT TIMES BUT ABOUT 90% CLOUD COVERAGE								
Aug-28	ON AND OFF SPRINKLES ALL DAY UNTIL A MODERATE SHOWER OCCURRED BET. 1740-1810								
Aug-29	MOSTLY CLOUDY AM AND PARTLY CLOUDY PM-AM HAD A SHORT PERIOD OF LIGHT DRIZZLE								
-	CLEAR UNTIL 1715-CIRRUS AND ALTOCUMULUS UNTIL 0945 THEN CLEAR REST OF DAY								
Aug-31	THE AM SKY IS ABT 60 % CLOUDY WITH CIRRUS CLOUDS BUT THEY ARE THIN ENOUGH THAT SUNLIGHT IS PASSING THROUGH STILL GIVING A BRIGHT SKY.								
DATE	EXTENSION OF LENGTHY DAILY REMARKS								
	SINCE JUNE 7TH WHEN THE MAX. WAS 73 °F - IT WAS ALSO A NEW REC. FOR DATE AT GLEN ALLEN								
	3RD PD. OF RAINFALL OCCURRED BET. 2318-2400								
	TO MIDNIGHT, PM WAS ABOUT 60% CLOUDY								
_	WITH ALTOCUMULUS								
Aug-13	IT WAS 67 °F								
Aug-31	THUNDER HEARD AND LIGHTNING OBSERVED TO THE SW AND A THUNDERSTORM PASSED TO OUR SW - WE HAD ONLY SPRINKLES FROM THE WEAKING TS								
	RAINFALL INTENSITY RECORDS TIME PERIOD FOR MOST OF THE STORM WAS 1333-1420								
	THE MAXIMUM ONE MINUTE RAIN WAS 0.16 INCHES.								
	THE MAXIMUM FIVE MINUTE RAINFALL WAS 0.67 INCHES.								
	THE MAXIMUM FIFTEEN MINUTE RAINFALL WAS 0.98 INCHES.								
	THE MAXIMUM 1 HOUR RAINFALL WAS 1.46 INCHES.								
	THE STORM TOTAL WAS 1.47 INCHES.								
	THE MAXIMUM WIND WAS 37 MPH AT 1337 HOURS.								