PAGE #1		Jul	2015	West H	enrico (Co Glo	en Aller	n Weathe	er Cent	er 37.6	65537°	N. 77.5	6929° V	V Koo	ntz				
1	2	3	4	5	6	7 8 9 10				11 12 13			14	15	16			18 19	
Jul	Week	TEMPERATURE			TEMPERATURE			SKY		PF	RECIPITATI	ON	FROZ.	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	
Jul-01	Wed	86	15:40	67	6:35	18.4	76.6	-2.4	77	0	0	0.10	0.08	0.04			0050	0200	
Jul-02	Thu	82	14:34	67	23:37	14.6	74.2	-2.4	79	2	2	0.03	0.03	0.01			0150	0155	
Jul-03	Fri	82	15:00	64	5:51	18.2	72.6	-1.6	77	1	2	0.07	0.05	0.01	_		1750	1850	
Jul-04	Sat	87	16:34	69	4:27	17.6	77.8	5.2	77	2	2	1.43	1.40	0.30			0001	0010	
Jul-05	Sun	85	16:00	69	4:13	15.6	76.8	-1.0	77	2	2	0.26	0.21	0.10			1855	2150	
Jul-06	Mon	86	16:31	70	5:12	16.5	78.2	1.4	78	2	2	0.03	0.02	0.01			0135	0230	
Jul-07 Jul-08	Tue Wed	89 89	15:18 15:57	70 76	6:01	19.4 13	79.7 82.4	1.6 2.7	78 80	2	2	Т	Т	Т	_		1130	1135	
Jul-08 Jul-09	Thu	92	14:18	75	6:01	17.4	83.5	1.1	80	1	1	0.03	0.03	0.01			1945	2015	
Jul-10	Fri	90	13:34	74	6:21	16.4	82.0	-1.5	80	1	2	0.03	0.03	0.01	-		0825	0830	
Jul-11	Sat	78	17:42	68	23:58	10.4	73.2	-8.8	80	2	2	0.44	0.10	0.05			0115	0135	
Jul-12	Sun	85	16:30	64	5:26	21.2	74.6	1.4	77	2	1	0.44	0.10	0.00			0110	0100	
Jul-13	Mon	83	14:03	69	3:35	14	75.9	1.3	78	2	2	1.17	0.88	0.18			0635	1025	
Jul-14	Tue	85	17:25	69	6:14	16.4	77.2	1.3	78	2	1	0.03	0.02	0.01			0200	0205	
Jul-15	Wed	87	16:16	69	6:41	18.6	78.0	0.8	78	2	1	T	T	T			0015	0020	
Jul-16	Thu	82	16:25	62	6:43	19.6	71.9	-6.1	78	1	1								
Jul-17	Fri	86	14:02	64	5:56	21.8	75.3	3.4	77	0	2								
Jul-18	Sat	92	15:38	74	4:45	17.9	82.6	7.2	78	1	1								
Jul-19	Sun	95	17:30	72	6:12	22.7	83.5	0.9	79	0	1								
Jul-20	Mon	95	14:35	75	5:51	19.8	84.7	1.3	80	0	1								
Jul-21	Tue	91	14:36	75	23:51	15.4	82.9	-1.8	81	2	1	0.01	0.01	0.01			1500	1505	
Jul-22	Wed	86	16:30	69	6:56	17.1	77.5	-5.5	80	0	1								
Jul-23	Thu	86	14:27	64	5:42	22.4	75.2	-2.3	78	1	1								
Jul-24	Fri	86	15:23	66	5:59	20.7	76.1	0.9	78	0	0								
Jul-25	Sat	88	13:10	63	6:20	25.4	75.2	-0.9	77	1	1								
Jul-26	Sun	90	14:05	69	5:44	20.2	79.5	4.3	77	0	0								
Jul-27	Mon	88	16:26	74	6:31	14.3	81.2	1.7	78	2	2	0.75	0.75	0.24			0945	0950	
Jul-28	Tue	87	12:12	72	1:22	15.6	79.5	-1.7	79	0	2	0.32	0.31	0.09			0155	0200	
Jul-29	Wed	85	17:29	73	4:02	11.9	78.9	-0.7	79	2	2	0.04	0.04	0.04			0518	0525	
Jul-30	Thu	92	14:48	74	6:09	18.3	82.8 80.4	3.9	79	1	1				_				
Jul-31	Fri	89	16:33	71	23:50	18		-2.3	80	0	0	F 4F	4.04	4.00	0.00	0.00	0.1	00.07	
TOTAL		2704	24	2155	24	548.8	2430	1.4	2432	34	39	5.15	4.31	1.39	0.00	0.00		.26-27	
NUM		31	31	31	31	31	31	31	31	31	31	15	15	15	0	0		AVE RH	
AVE.		87.22	15:27	69.52	7:56	17.70	78.37		78.45	1.10	1.26	Ave. Tot.	Ave.Max	Ave.Max			74.8	Percent	
Normals		90.27		69.59		20.67	79.93		79.1	1.06	1.13	4.02	0.74	4.02			68.5	Percent	
Departure	S	-3.05		-0.08		-2.97	-1.56		-0.7	0.04	0.13	1.13	0.66	-3.72			6.3	Percent	
MAX.	Dates	95		76		25.4	84.7	7.2	81.0	Whole	e Day	1.43	1.40	0.30			Precip	24 Hr.	
DATES	1	Jul-19		Jul-08		Jul-25	Jul-20	Jul-18	Jul-21	AVE.	1.18	Jul-04	Jul-04	Jul-04			Amount	1.46	
	2									Normal	0.98						Date	Jul 03	
	3									Depart.	0.20						Date	Jul 04	
MIN.	Dates	78		62		10.4	71.9	-8.8	77.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
DATES	1	Jul-11		Jul-16		Jul-11	Jul-16	Jul-11	Jul-01	CLEAR	10	5	8	DAYS	2	DAYS	0	DAYS	
DAILS		Jul-11		Jul-10		Jul-11	Jul-10	Jul-11											
	2								Jul-03	P.CLO.	8	13	HOTTEST	84.7	Highest	Lowest	COOLEST	71.9	
	3				MAY	400	0.5		Jul-04	CLO.	13	13	DAY	7-20	Mean	Mean	DAY	7-16	
	<=32 °F	0	<=32 °F	0	MAX.	>=100	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	
	>=90°F	7	>=70 °F	13		0	0	7	24	30	31	31	31	31	31	31	31	31	

PAGE #2	Jul	2015	West H	lenrico (Co Gle	n Allen	Weathe	r Center	37.655	37° N. 7	7.56929)° W	Koor	ntz				
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Jul	2nd PERIOD		WIND		REL. HUMIDITY		BAROMETRIC PRESS					a			K			
2015 Jul-01	START	END	RUN 56.8	MAX. 16	TIME 15:00	MAX. 97	MIN. 52	MAX. 29.92	MIN. 29.82	AVE. 29.87	-0.02	GLAZE	SLEET	SNOW	FOG	1 2	DEW P	FROST
Jul-02	0615	0915	34.7	15	16:36	94	69	29.92	29.85	29.89	0.02						P	
Jul-03	1940	2400	22.8	13	20:45	98	56	30.01	29.90	29.96	0.02						4	
Jul-04	1720	1850	31.3	29	17:30	97	58	30.04	29.87	29.96	0.00				3	1	P	
Jul-05	2250	2300	19.3	15	19:11	99	68	30.17	30.04	30.11	0.15				_	-	P	
Jul-06	1745	1820	43.5	23	17:46	97	59	30.14	30.03	30.09	-0.02						Р	
Jul-07	-		50.6	18	14:53	97	51	30.10	30.02	30.06	-0.02						4	
Jul-08	2230	2235	92.6	17	2:53	89	62	30.06	29.99	30.03	-0.04						3	
Jul-09			67.2	21	17:51	86	53	30.07	29.92	30.00	-0.03						3	
Jul-10	1725	2000	24.1	14	17:27	97	52	30.07	29.95	30.01	0.01					1	2	
Jul-11	0555	1440	43.4	17	1:16	97	68	30.10	30.02	30.06	0.05				_		P	
Jul-12	4505	4000	10.0	6	9:47	100	46	30.11	29.97	30.04	-0.02				3		5	
Jul-13	1505	1630	16.9	12	15:15	96	64	29.99	29.75	29.87	-0.17					2	P P	
Jul-14	0233	0305	78.9	19 16	13:17	98 92	64	29.76	29.57 29.57	29.67	-0.20 0.07						2	
Jul-15 Jul-16	1200	1225	36.9 57.8	17	14:08 5:43	92	58 56	29.89 30.09	29.89	29.73 29.99	0.07						3	
Jul-16 Jul-17			29.0	11	12:53	99	55	30.12	29.99	30.06	0.26						5	
Jul-18			47.7	16	3:08	90	55	30.12	29.90	29.96	-0.09						2	
Jul-19			24.0	11	0:52	97	52	29.97	29.83	29.90	-0.06						3	
Jul-20			27.4	12	14:06	96	46	29.85	29.73	29.79	-0.11						3	
Jul-21	1645	1720	20.9	23	16:55	93	60	29.75	29.65	29.70	-0.09						1	
Jul-22			50.3	18	9:46	95	35	29.96	29.76	29.86	0.16						1	
Jul-23			25.0	12	12:04	93	44	30.02	29.93	29.98	0.12						3	
Jul-24			40.2	15	11:27	95	39	30.02	29.95	29.99	0.01						4	
Jul-25			23.1	12	19:00	94	42	30.04	29.96	30.00	0.02						3	
Jul-26			67.0	17	11:18	84	47	30.03	29.97	30.00	0.00						N	
Jul-27	1543	1547	56.9	17	13:34	97	59	30.03	29.94	29.99	-0.02					3	N	
Jul-28	1235	1520	23.2	18	16:25	98	69	30.03	29.97	30.00	0.02					1	Р	
Jul-29	0711	0738	43.7	18	12:46	98	61	30.05	29.95	30.00	0.00						P	
Jul-30			57.8 40.5	17 15	13:58 11:59	93 95	59 37	29.98 29.98	29.85 29.88	29.92 29.93	-0.09 0.02						2	
Jul-31 TOTAL	Colu	ımn 23	1263.5	500	11:59	2943	1 696	930.30	926.42	928.36	0.02	0	0	0	2	5	19	0
Number		iiiii 23 /ind Run	31	31	31	2943 31	31	31	31	31	31	0	U	0		,	19	U
AVE.	Total	1263.5	40.8	16.1	12:53	94.94	54.71	30.01	29.88	29.95	31							
Normals	Miles	1263.5	54.5	18.8	12.33	94.94	44.8	30.01	29.00	29.95		ш	_			H		—
Departures	Miles	1278.0 -14.5	-13.8	-2.6		3.1	9.9	-0.02	-0.03	-0.03		LAZE	H	S	(5)	Ð.	>	SC
	WITHES				NORTH						0.00	. /J	SLE	SNOW	FOG	THUNDER	DEW	FROST
MAXIMUM		Dates	92.6	29	NORTH	100	69	30.17	30.04	30.11	0.26			S	Щ	-		ш
DATES		1	Jul-08	Jul-04	17:30	Jul-12	Jul-02	Jul-05	Jul-05	Jul-05	Jul-16	5. Very I	-					
		2					Jul-28					4. Heavy						
		3										3. Mode	erate - A	ve.				
		4										2. Light	- < Ave.					
MINIMUM		Dates	10.0	6		84	35	29.75	29.57	29.67	-0.20	1. Very I	_ight - S	light - Ti	race			
DATES		1	Jul-12	Jul-12		Jul-26	Jul-22	Jul-21	Jul-14	Jul-14	Jul-14	M - Eve	nt with i	ntensity	missing	a		
		2	,					Jul-15	Jul-15			P - Rain						
MINIMUM		<=80	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	N-	NONE					
		31	29	19	6	0	0	0	0	0	0							

PAGE #3	West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz
39	40
Jul	REMARKS FOR THE MONTH
2015	July - 2015
Jul-01	A FEW CUMULUS FROM 1530-1745-CLOSE TO AN AVERAGE SUMMER'S DAY
Jul-02	ALSO SPRINKLES AT 1415-1430 & AGAIN 1755-1825 AND CLOUDY ALL DAY
Jul-03	SOME SPRINKLES FROM 1750-1850 AND AGAIN 1940-2030 BUT THE .07 WAS REC. FROM 2140-2325
Jul-04	FOG AFTER THE THUNDERSTORM WHICH HAD NOT MUCH LIGHTNING MAINLY A HEAVY RAIN EVENT
Jul-05	CLOUDY ALL OF AM AND MOSTLY CLOUDY IN PM
Jul-06 Jul-07	BELOW AVE. TEMPERATURE BUT HIGH DEW POINT OF 74.8°F AT 1229 WE HAVE HAD 7 CONSECUTIVE DAYS WITH MEASURABLE RAIN BUT TODAY WAS ALMOST TOTALLY CLEAR WITH ONLY A FEW FAIR WEATHER CUMULUS
Jul-07 Jul-08	CLOUDY ALL DAY AND VERY HUMID-MAX. DEW POINT WAS 77.1°F AT 1557-2 PDS. OF SPRINKLES
Jul-08 Jul-09	CLOUDT ALL DAT AND VERT HUMID-INIAN, DEW POINT WAS 17.1 F AT 1937-2 FDS. OF SPRINKLES
Jul-10	CLOUDY UNTIL 0930 THEN CLEARING UNTIL NOON THEN INCREASING CLOUDS WITH PM TS AND AGAIN VERY HUMID-MAX. DEW POINT 76°F AT 1730
Jul-11	RAIN ALL MORNING WITH NO THUNDER-MAX. DEW POINT 73.5°F. AT 0116 & COOLER AFTER 1800-DEW POINT DROPPED TO 66.7°F - ONLY 2 JULY DAYS HAVE
Jul-12	THIN AM CIRRUS WITH A FEW CUMULUS AND PM WAS PC UNTIL 1900 THEN BECAME CLOUDY
Jul-13	HEAVY RAINFALL BUT NOT MUCH LIGHTNING AND CLOUDY ALL DAY WITH HIGH HUMIDITY-MAX. DEW POINT 75.2°F AT 1651
Jul-14	3RD PD. OF SHOWERS 0935-1010
Jul-15	3RD PD. OF SPRINKLES 1820-1850-CLEAR START TO THE DAY UNTIL 0915
Jul-16	CLEAR UNTIL 0850 THEN CLOUDY TO 1100 THEN CLEAR AGAIN 1430 THEN CLOUDY AND CLEARING AGAIN AT 1700-VERY PLEASANT COOL WEATHER FOR
Jul-17	CLEAR UNTIL 0830 THEN CUMULUS SCATTERED UNTIL 1100 THEN BROKEN OVERCAST TO MOSTLY CLOUDY IN PM
Jul-18	THIN AM CIRRUS BUT NOT MUCH SOLAR RADIATION THROUGH CLOUDS-CLOUDY 1120-1520 THEN MOSTLY CLEAR
Jul-19	AM HAD ONLY A FEW CIRRUS AND WAS MOSTLY CLEAR-CUMULUS CAME IN AT 1145 AND PM WAS EST. AT 25% CLOUDY BUT CLEAR AFTER 1930
Jul-20	AM VERY CLEAR FROM 0800 TO NOON-ALTOCUMULUS THICK FROM 1300-1540 THEN MOSTLY CLEAR
Jul-21	ALTOCUMULUS AND ALTOSTRATUS IN AM-MOSTLY CLEAR AFTER 1900-PM WAS EST. TO BE 55-60% CLOUDY
Jul-22	THIN CIRRUS ON A BLUE SKY-MUCH SOLAR RADIATION THROUGH CLOUDS-PM HAD MORE CIRRUS AND THICKER CIRRUS
Jul-23	BOTH AM AND PM NEARLY CLOUDY -BOTH EST. TO BE ABOUT 50-60% CLOUDY
Jul-24	AM WAS VERY CLEAR ONLY A FEW CUMULUS FROM 1130-NOON-PM HAD SOME SCATTERED CUMULUS FROM 1220-1600 THEN CLEAR
Jul-25	SKY HAD LOW CLOUDS UNTIL 0840 THEN CLEAR TO NOON AND A PC PM WITH CUMULUS THEN CIRRUS AFTER 1905 ONLY A FEW ALTOCUMULUS IN AM AND CUMULUS FROM 1340-1700 FOLLOWED BY ALMOST TOTALLY CLEAR SKIES
Jul-26 Jul-27	HEAVY RAIN STARTED AT 1830-ALL RAIN ENDED BY 2005-LIGHTNING IN STORM DECREASED AS THE STORM APPROACHED THIS STATION
Jul-28	CLEAR IN AM UNTIL 1040 THEN MOSTLY CLOUDY TO NOON-AM EST. AT 30% CLOUDY-3RD SPRINKLE 1935-2005
Jul-29	ONLY PARTLY CLOUDY WITH CIRRUS AND A CLEAR PD. FROM 1720-SUNSET-PM EST. 85% CLOUDY -MAX. DEW POINT 75.4°F AT 1534
Jul-30	PC AND VERY HUMID DAY WITH MAX. DEW POINT OF 78.3°F AT 1936 AND A HEAT INDEX MAX. OF 107°F
Jul-31	COLD FRONT PASSAGE DECREASED HUMIDITY AND DEW POINT BUT MAX. TEMP. NEARLY THE SAME -VERY CLEAR DAY
DATE	EXTENSION OF LENGTHY DAILY REMARKS
Jul-11	BEEN COOLER IN JULY IN THE PAST SIX YEARS WHICH WERE 77°F, JULY 12, 2013 AND THE RECORD LOW MAXIMUM FOR JULY WAS 74°F ON JULY 5, 2009.
Jul-16	MID-JULY AND LOWEST AM TEMP. SINCE JUNE 27, 2015

	West Henrico Co Glen Allen Weather Center 37.65537° N. 77.56929° W Koontz
Jul	DAILY RECORDS FOR THE MONTH
Days	The Glen Allen Station had 25 Records or Record Ties in July 2015
1	
2	
3	The maximum temperature on the 3rd was 81.7°F, a new 7 year cold daily maximum temperature record for the date - the old record was 82°F in 2009.
4	The daily precipitation on the 4th was 1.43 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.45 inches in 2011.
5	
6 7	
8	The daily temperature range on the 8th was 13°F, a new 7 year LOW daily temperature range record for the date - the old record was 15°F in 2011.
9	The minimum temperature on the 9th was 74.8°F, a new 7 year warm daily minimum temperature record for the date - the old record was 74°F in 2013 and 2012.
10	The minimum temperature on the 10th was 73.8°F, a new 7 year warm daily minimum temperature record for the date - the old record was 74°F in 2013 and 2012.
	The maximum temperature on the 10th was 90.2°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 90°F in 2013 and 2011
11	The maximum temperature on the 11th was 78.4°F, a new 7 year cold daily maximum temperature record for the date - the old record was 83°F in 2013.
	The daily temperature range on the 11th was 10.4°F, a new 7 year LOW daily temperature range record for the date - the old record was 12°F in 2013.
	The daily precipitation on the 11th was 0.44 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.16 inches in 2013.
12	The minimum temperature on the 12th was 64°F a new 7 year LOW daily minimum temperature record for the date - the old record was 67°F in 2013.
13	The maximum temperature on the 13th was 82.9°F, a new 7 year cold daily maximum temperature record for the date - the old record was 84°F in 2013.
	The daily temperature range on the 13th was 14°F, a new 7 year LOW daily temperature range record for the date - the old record was 17°F in 2013.
	The daily precipitation on the 13th was 1.17 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.08 inches in 2010.
14	
15	The daily temperature range on the 15th was 18.3°F, a new 7 year LOW daily temperature range record for the date - the old record was 19°F in 2014.
16	The minimum temperature on the 16th was 62.1°F a new 7 year LOW daily minimum temperature record for the date - the old record was 63°F in 2011.
17	The maximum temperature on the 16th was 81.7°F, a new 7 year cold daily maximum temperature record for the date - the old record was 83°F in 2014.
18	
19	
20	
21	
22	The minimum temperature on the 22nd was 68.9°F a new 7 year LOW daily minimum temperature record for the date - the old record was 69°F in 2009.
23	The minimum temperature on the 23rd was 64°F a new 7 year LOW daily minimum temperature record for the date - the old record was 70°F in 2014.
	The maximum temperature on the 23rd was 86.4°F, a new 7 year cold daily maximum temperature record for the date - the old record was 89°F in 2009.
24	The minimum temperature on the 24th was 65.7°F a new 7 year LOW daily minimum temperature record for the date - the old record was 66°F in 2014 and 2008.
25	
26	
27	The minimum temperature on the 27th was 74°F, a new 7 year warm daily minimum temperature record for the date - the old record was 73°F in 2012 and 2011.
	The daily precipitation on the 27th was 0.75 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.73 inches in 2008.
28	The maximum temperature on the 28th was 87.3°F, a new 7 year LOW daily maximum temperature record for the date - the old record was 88°F in 2014 and 2013.
	The daily temperature range on the 28th was 15.6°F, a new 7 year LOW daily temperature range record for the date - the old record was 18°F in 2013.
29	The daily temperature range on the 29th was 11.9°F, a new 7 year LOW daily temperature range record for the date - the old record was 13°F in 2009.
30	
31	