

Aug Week		TEMPERATURE				TEMPERATURE				SKY		PRECIPITATION			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
Aug-01	Sat	92	15:34	66	6:17	25.4	78.8	-1.6	78	0	0							
Aug-02	Sat	88	16:47	67	6:41	21.4	77.2	-1.6	79	2	1							
Aug-03	Sun	92	16:02	64	5:29	28.8	78.0	0.8	78	1	0							
Aug-04	Mon	95	15:39	75	6:14	20	84.8	6.8	79	0	1	0.13	0.13	0.05			1633	1715
Aug-05	Tue	92	15:47	70	6:30	22	81.4	-3.4	79	1	0							
Aug-06	Wed	86	14:24	68	6:14	17.8	77.3	-4.1	79	2	2	0.16	0.13	0.05			0303	0400
Aug-07	Thu	74	15:58	69	3:03	5.5	71.3	-6.1	79	2	2	0.06	0.04	0.01			0125	0415
Aug-08	Fri	83	15:43	67	23:59	15.1	75.0	3.7	77	2	0	T	T	T			0935	1000
Aug-09	Sat	85	13:45	62	6:49	22.9	73.6	-1.4	76	1	1							
Aug-10	Sun	77	14:31	69	9:56	7.9	73.0	-0.6	76	2	2	0.38	0.17	0.04			0455	1040
Aug-11	Mon	89	15:52	68	23:52	20.3	78.6	5.6	76	2	1	0.61	0.12	0.03			0001	0555
Aug-12	Tue	84	16:10	65	6:23	19.6	74.4	-4.2	76	0	0							
Aug-13	Wed	84	15:13	63	6:12	20.5	73.5	-1.0	76	0	1							
Aug-14	Thu	86	15:47	60	6:51	26.2	73.1	-0.4	75	0	0							
Aug-15	Fri	88	14:13	62	6:27	26	74.7	1.6	76	0	1							
Aug-16	Sat	91	14:53	65	7:01	25.5	78.1	3.3	76	0	0							
Aug-17	Sun	94	14:36	67	6:37	27.1	80.6	2.5	77	0	0							
Aug-18	Mon	87	11:38	71	6:52	16.1	78.8	-1.8	77	2	2	T	T	T			1248	1250
Aug-19	Tue	88	15:52	73	5:30	14.6	80.6	1.8	78	2	2	0.12	0.11	0.03			1820	1940
Aug-20	Wed	87	15:38	73	6:38	13.9	80.4	-0.3	78	2	2							
Aug-21	Thu	84	15:18	66	23:59	18.5	75.2	-5.2	78	2	1							
Aug-22	Fri	84	14:29	61	6:39	23.6	72.4	-2.8	76	0	0							
Aug-23	Sat	88	15:40	59	6:45	29	73.6	1.2	74	0	1							
Aug-24	Sun	91	15:31	69	5:42	22.3	80.2	6.6	76	0	2	0.26	0.26	0.24			1707	1714
Aug-25	Mon	85	15:29	67	8:33	18	76.2	-4.0	77	1	0	0.11	0.11	0.03			0728	0809
Aug-26	Tue	81	14:06	65	6:39	16.6	72.9	-3.3	76	2	2							
Aug-27	Wed	82	14:49	61	6:08	21	71.8	-1.1	75	1	1							
Aug-28	Thu	84	15:44	59	6:04	24.9	71.5	-0.3	73	0	1							
Aug-29	Fri	87	14:07	62	6:43	25.2	74.7	3.3	74	0	2							
Aug-30	Sat	89	14:37	66	6:19	23.5	77.7	3.0	75	2	2	T	T	T			2055	2100
Aug-31	Sun	86	14:22	72	23:48	14.4	78.8	1.1	76	2	2	T	T	T			0134	0138
TOTAL		2684		2051		633.6	2367.5	-1.6	2375	31	32	1.83	1.07	0.48	0.0	0.0	Col.26-27	
NUM		31	31	31	31	31	31	31	31	31	31	8	8	8	0	0	DAILY AVE RH	
AVE.		86.59	15:06	66.15	8:44	20.44	76.37		76.61	1.00	1.03	Ave. Tot.	Ave.Max	Ave.Max			71.6	Percent
Normals		87.02		67.56		19.46	77.29		77.59	1.07	1.11	4.74	1.25	0.37			71.8	Percent
Departures		-0.43		-1.41		0.98	-0.92		-1.0	-0.07	-0.08	-2.91	-0.99	-0.13			-0.2	Percent
MAX. DATES		95		75		29	84.8	6.8	79.0	Whole Day		0.61	0.26	0.24			Precip	24Hr.
		1	Aug-04		Aug-04		Aug-23	Aug-04	Aug-04	Aug-02	Ave.	1.02	Aug-11	Aug-24	Aug-24		Amount	0.92
		2								Aug-04	Normal	1.09					Date	Aug-10
		3								Aug-05	Depart	-0.07					Date	Aug-11
MIN. DATES		74		59		5.5	71.3	-6.1	73.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES
		1	Aug-07		Aug-28		Aug-07	Aug-07	Aug-28	CLEAR	13	10	7	DAYS	0	DAYS	0	DAYS
		2								P.C.LO.	5	10	HOTTEST	84.8	Highest	Lowest	COOLEST	71.3
		3								C.LO.	13	11	DAY	8-04	Mean	Mean	DAY	8-07
<=32°F		0	<=32°F	0	MAX.	>=95	>=90	>=85	>=80	>=75	>=70	>=65	>=60					
>=90°F		7	>=70°F	6		0	7	21	29	30	31	31	31					

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Aug	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				THUNDER						
2015	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	Heard	DEW	FROST
Aug-01			23.4	14	13:07	92	35	29.93	29.84	29.89	-0.04							3
Aug-02			28.4	15	9:50	89	38	30.00	29.90	29.95	0.07							2
Aug-03			44.2	19	16:30	96	41	29.94	29.84	29.89	-0.06							5
Aug-04			90.4	23	16:32	87	44	29.97	29.88	29.93	0.03					1		N
Aug-05			18.3	14	13:31	96	45	30.00	29.92	29.96	0.04							4
Aug-06	2130	2245	67.1	15	3:14	95	60	30.00	29.84	29.92	-0.04							P
Aug-07			88.4	16	10:49	98	82	29.90	29.81	29.86	-0.07							P
Aug-08	1030	1040	75.1	16	12:22	85	51	30.00	29.87	29.94	0.08							N
Aug-09			25.2	12	15:30	97	49	30.04	29.98	30.01	0.07							4
Aug-10	1505	1540	53.9	16	10:38	96	71	30.05	29.91	29.98	-0.03					1		P
Aug-11	1625	1655	61.3	20	16:03	97	60	29.91	29.78	29.85	-0.14					1		P
Aug-12			36.3	18	14:11	99	47	30.01	29.88	29.95	0.10							P
Aug-13			37.9	14	8:42	96	46	30.16	30.01	30.09	0.14							4
Aug-14			17.8	12	13:29	97	38	30.23	30.13	30.18	0.09							5
Aug-15			17.3	9	9:08	96	50	30.19	30.10	30.15	-0.03							4
Aug-16			23.7	12	15:10	93	44	30.18	30.10	30.14	-0.01							3
Aug-17			21.7	11	21:59	97	60	30.15	30.02	30.09	-0.05							4
Aug-18	1343	1350	36.7	17	15:30	94	54	30.07	29.96	30.02	-0.07							3
Aug-19			37.6	19	18:13	97	60	30.02	29.91	29.97	-0.05							N
Aug-20			42.5	14	13:21	98	64	29.97	29.88	29.93	-0.04							P
Aug-21			81.6	20	10:06	94	44	30.11	29.96	30.04	0.11							1
Aug-22			46.2	16	12:28	93	39	30.15	30.06	30.11	0.07							5
Aug-23			14.3	10	14:40	99	43	30.08	29.92	30.00	-0.10							5
Aug-24	1735	1815	40.8	14	12:57	87	51	29.94	29.82	29.88	-0.12							1
Aug-25			33.5	14	11:12	95	46	29.97	29.86	29.92	0.03							P
Aug-26			66.8	17	10:14	88	46	30.08	29.93	30.01	0.09							1
Aug-27			57.8	16	15:23	86	41	30.16	30.06	30.11	0.11							2
Aug-28			15.9	10	14:21	97	42	30.23	30.14	30.19	0.08							4
Aug-29			36.9	14	10:27	95	41	30.25	30.11	30.18	-0.01							3
Aug-30			45.4	14	15:45	91	42	30.16	30.08	30.12	-0.06							1
Aug-31	0613	0620	52.6	17	19:30	93	55	30.15	30.05	30.03	-0.09							P
TOTAL	Column 23		1339.0	468		2913	1529	932.00	928.55	930.21	0.11	0	0	0	0	3	20	0
Number	Aug. Wind Run		31	31	31	31	31	31	31	31	31							
AVE.	Total		1339.0	43.2	15.1	13:22	94.0	49.3	30.06	29.95	30.01							
Normals	Miles		1177.2	38.1	38.1		94.4	49.3	30.05	29.92	29.98							
Departures	Miles		161.8	5.1	-23.0		-0.5	0.1	0.02	0.03	0.03							
MAXIMUM DATES			Dates	90.4	23	SOUTH		99	82	30.25	30.14	30.19	0.14					
			1	Aug-04	Aug-04	16:32		Aug-12	Aug-07	Aug-29	Aug-28	Aug-28	Aug-13	5. Very Heavy 4. Heavy-Unusual 3. Moderate - Ave. 2. Light - < Ave.				
			2															
			3															
			4															
MINIMUM DATES			Dates	14.3	9			85	35	29.90	29.78	29.85	-0.14	1. Very Light - Slight - Trace M - Event with intensity missing P - Rain hindering Dew Observation				
			1	Aug-23	Aug-15			Aug-08	Aug-01	Aug-07	Aug-11	Aug-11	Aug-11					
			2															
MINIMUM			<=80	<=75	<=70	<=65	<=60	<=55	<=50	<=45		N- NONE						
			31	31	25	12	3	0	0	0								

39

40

Aug

REMARKS FOR THE MONTH

2015

August - 2015

Aug-01	ONLY A FEW CUMULUS CLOUDS AND LOW REL. HUMIDITY FOR A CHANGE-MIN. DEWPOINT TODAY WAS 59.3°F WITH A BLUE SKY
Aug-02	MORE CLOUDS THAN IN FORECAST THUS THE DAY WAS COOLER AND ALSO HAD A LOW DEWPOINT OF 58.5°F
Aug-03	MOSTLY CLEAR UNTIL 0915 THEN CLOUDS UNTIL 1115 AND PM HAD SCATTERED CUMULUS CLOUDS
Aug-04	CUMULUS CLOUDS CAME IN AROUND 1515
Aug-05	SOME DRIZZLE AND SPRINKLES IN AM BUT CLOUDS CLEARED AT 1220 AND MOSTLY CLEAR TO SUNSET WITH ONLY A FEW FAIR WEATHER CUMULUS
Aug-06	
Aug-07	74°F MAX. TEMP. WAS THE LOWEST MAX. SINCE JUNE 5, 2015 AND WAS A RECORD FOR THE DATE
Aug-08	MAX. TODAY WAS AGAIN A NEW RECORD LOW FOR DATE-PREVIOUS REC. WAS 85°F IN 2014
Aug-09	WARMER BUT STILL A GOOD DAY FOR AUG. IN RICHMOND
Aug-10	AM WAS WET UNTIL 1030 THEN DRY UNTIL 1500 THEN SPRINKLES AND SHOWERS-3RD PD. OF PRECIP. 1725-1740, 4TH PD. 1835-2400 AND ONE THUNDER HEARD
Aug-11	2ND THUNDERSTORM STARTED WITH RAIN AT 2138 AND WAS ASSOC. WITH A COLD FRONTAL PASSAGE-3RD PD. OF RAIN IN THUNDERSTORM 2140-2220
Aug-12	
Aug-13	VERY CLEAR AM BUT PM HAD MANY CUMULUS CLOUDS
Aug-14	TODAY WAS VERY CLEAR-ALMOST 100% SUN AND LOW REL. HUMIDITY FOR AUGUST
Aug-15	
Aug-16	MUCH WARMER TODAY AND DEWPOINT HIT 71°F AT 0938-ALSO VERY SUNNY
Aug-17	
Aug-18	1ST AND 2ND PDS. OF PRECIP. WERE VERY LIGHT SPRINKLES-3RD PD. 1713-1730, 4TH PD. 1830-1920, 3RD AND 4TH PDS. WERE HEAVIER SPRINKLES
Aug-19	CLOUDY MOST OF DAY BUT PC 1400-1640-PM EST. TO BE 70-80% CLOUDY
Aug-20	CLOUDS BROKE UP AROUND 1700-BUT PM WAS ABOUT 70% CLOUDY
Aug-21	
Aug-22	BEAUTIFUL FIBROUS CIRRUS TODAY-BECAUSE OF THEIR BEAUTY I TOOK A FEW PICTURES
Aug-23	SOME CIRRUS AND CUMULUS IN PM FROM 1330-1730 MAKING THE PM ABOUT 40% CLOUDY
Aug-24	OUR STATION WAS LUCKY TO GET SHOWERS AS FEW AREAS IN REGION RECEIVED ANY
Aug-25	AGAIN OUR STATION RECEIVED SHOWERS AND FEW LOCATIONS HAD THE AM SHOWER THAT WE HAD
Aug-26	BROKEN ALTOCUMULUS CLOUDS MOST OF DAY AND VERY PLEASANT TEMPS. FOR AUGUST
Aug-27	CIRRUS IN AM WITH CLEAR SKIES FROM 1100-1400 WITH SOME PM CUMULUS-IT NOW LOOKS LIKE HURRICANE ERIKA MAY HIT FL
Aug-28	CUMULUS CLOUDS CAME IN AROUND 1130 AND PM WAS ABOUT 50-55% CLOUDY WITH CUMULUS
Aug-29	CLEAR AM WITH CIRRUS COMING IN ABOUT 1215 AND CIRRUS BECAME THICKER IN PM WHICH WAS CLOUDY
Aug-30	WARMER AND MORE HUMID TODAY
Aug-31	3RD PERIOD OF SPRINKLES 0840-0845, 4TH PERIOD OF SPRINKLES 1040-1055, 5TH PERIOD OF SPRINKLES 1155-1205 - PM BROKEN CUMULUS CLOUDS

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Aug-10 AROUND 1840

Aug

DAILY RECORDS FOR THE MONTH

Days

The Glen Allen Station had 25 Records or Record Ties in August 2015

1

2

3

The minimum temperature on the 3rd was 63.6°F a new 7 year LOW daily minimum temperature record for the date - the old record was 66°F in 2008.

The daily temperature range on the 3rd was 28.8°F a new 7 year HIGH daily temperature range record for the date - the old record was 24°F in 2008.

4

The minimum temperature on the 4th was 74.8°F, a new 7 year warm daily minimum temperature record for the date - the old record was 74°F in 2012 and 2011.

The maximum temperature on the 4th was 94.8°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 93°F in 2012 and 2010.

5

6

7

The maximum temperature on the 7th was 74°F, a new 7 year LOW daily maximum temperature record for the date - the old record was 84°F in 2009.

The daily temperature range on the 7th was 5.5°F, a new 7 year LOW daily temperature range record for the date - the old record was 14°F in 2012.

*

The 74°F maximum today was also the lowest maximum temperature since June 5, 2015 when the maximum was only 69°F.

8

The maximum temperature on the 8th was 82.5°F, a new 7 year LOW daily maximum temperature record for the date - the old record was 85°F in 2014.

9

10

The maximum temperature on the 10th was 76.9°F, a new 7 year LOW daily maximum temperature record for the date - the old record was 84°F in 2014.

The daily temperature range on the 10th was 7.9°F, a new 7 year LOW daily temperature range record for the date - the old record was 14°F in 2013 and 2012.

11

The daily precipitation on the 11th was 0.61 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.16 inches in 2012.

12

13

The minimum temperature on the 13th was 63.2°F a new 7 year LOW daily minimum temperature record for the date - the old record was 66°F in 2008.

14

15

The daily temperature range on the 15th was 26°F a new 7 year HIGH daily temperature range record for the date - the old record was 23°F in 2014.

16

17

The maximum temperature on the 17th was 94.1°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 94°F in 2009.

18

19

20

The minimum temperature on the 20th was 73.4°F, a new 7 year warm daily minimum temperature record for the date - the old record was 73°F in 2009.

The daily temperature range on the 20th was 13.9°F, a new 7 year LOW daily temperature range record for the date - the old record was 16°F in 2012.

21

22

23

* The minimum temperature last night was 59.1°F the lowest minimum temperature since June 29, 2015 when the minimum temperature was 57°F.

The maximum temperature on the 23rd was 88.1°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 88°F in 2009.

The daily temperature range on the 23rd was 29°F a new 7 year HIGH daily temperature range record for the date - the old record was 27°F in 2011.

24

The minimum temperature on the 24th was 69°F, a new 7 year warm daily minimum temperature record for the date - the old record was 68°F in 2010 and 2008.

The maximum temperature on the 24th was 91.3°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 90°F in 2008.

25

26

27

28

The minimum temperature on the 28th was 59°F a new 7 year LOW daily minimum temperature record for the date - the old record was 66°F in 2010.

*

The minimum temperature last night was 59.0°F the lowest minimum temperature since June 29, 2015 when the minimum temperature was 57°F.

The daily temperature range on the 28th was 24.9°F a new 7 year HIGH daily temperature range record for the date - the old record was 22°F in 2010.

29

The minimum temperature on the 29th was 62.1°F a new 7 year LOW daily minimum temperature record for the date - the old record was 63°F in 2014.

30

31