

PAGE #1 Jan 2016 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.5693° W. - Koontz

PAGE #1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Jan 2016	Week Day	TEMPERATURE				TEMPERATURE				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	
Jan-01	Fri	49.0	14:03	31.6	23:57	17.4	40.3	-11.6	55	2	2								
Jan-02	Sat	51.8	14:28	27.4	7:02	24.4	39.6	-0.7	52	0	0								
Jan-03	Sun	56.3	14:18	27.7	7:07	28.6	42.0	2.4	49	0	0								
Jan-04	Mon	40.3	14:12	24.8	23:50	15.5	32.6	-9.5	48	2	1	T	T	T	T	None	0855	0905	
Jan-05	Tue	32.5	14:30	15.8	7:28	16.7	24.2	-8.4	46	0	0								
Jan-06	Wed	44.4	14:53	13.9	6:56	30.5	29.2	5.0	42	0	1								
Jan-07	Thu	49.2	14:44	36.7	21:28	12.5	43.0	13.8	45	2	2	T	T	T			0120	0245	
Jan-08	Fri	44.0	15:02	37.7	0:01	6.3	40.9	-2.1	46	2	2	0.06	0.03	0.01			1750	1845	
Jan-09	Sat	51.5	13:54	42.6	0:04	8.9	47.1	6.2	48	2	2	0.42	0.26	0.03			1835	2400	
Jan-10	Sun	64.1	11:58	34.8	23:57	29.3	49.5	2.4	50	2	1	0.17	0.10	0.03			0001	0415	
Jan-11	Mon	43.0	13:56	25.4	6:35	17.6	34.2	-15.3	48	0	0								
Jan-12	Tue	50.9	14:53	25.5	1:45	25.4	38.2	4.0	45	1	1	T	T	T			1638	1645	
Jan-13	Wed	37.4	14:38	20.3	7:22	17.1	28.9	-9.4	44	0	0								
Jan-14	Thu	57.3	14:44	26.2	0:01	31.1	41.8	12.9	42	0	0								
Jan-15	Fri	53.7	12:26	38.1	6:42	15.6	45.9	4.2	44	1	2	0.85	0.23	0.03			1530	2400	
Jan-16	Sat	60.5	14:23	36.7	23:52	23.8	48.6	2.7	46	0	2	T	T	T			0001	0030	
Jan-17	Sun	37.4	7:12	29.8	23:59	7.6	33.6	-15.0	46	2	2	0.17	0.05	0.01	1.3	T	0708	1320	
Jan-18	Mon	29.8	0:01	15.8	23:55	14.0	22.8	-10.8	44	0	0					T			
Jan-19	Tue	28.9	14:11	10.8	7:15	18.1	19.9	-3.0	41	0	0								
Jan-20	Wed	35.9	14:52	11.8	4:35	24.1	23.9	4.0	39	1	2	T	T	T	T	None	1935	2150	
Jan-21	Thu	37.1	12:53	22.8	23:45	14.3	30.0	6.1	40	0	0								
Jan-22	Fri	26.4	10:22	21.9	3:28	4.5	24.2	-5.8	39	2	2	0.91	0.13	0.03	6.0	5.2	1005	2400	
Jan-23	Sat	28.6	23:58	22.5	2:05	6.1	25.6	1.4	40	2	2	1.35	0.11	0.03	9.1	13.0	0001	2200	
Jan-24	Sun	43.9	14:42	18.4	7:39	25.5	31.2	5.6	40	0	0					11.5			
Jan-25	Mon	52.0	14:17	18.9	7:13	33.1	35.5	4.3	40	1	2					10.0			
Jan-26	Tue	60.0	14:13	36.9	0:40	23.1	48.5	13.0	40	2	1					4.5			
Jan-27	Wed	49.5	0:07	29.5	23:51	20.0	39.5	-9.0	40	2	1	0.03	0.03	0.01		1.5	0105	0110	
Jan-28	Thu	45.5	13:21	22.6	6:59	22.9	34.1	-5.5	39	1	2					1.0			
Jan-29	Fri	48.9	11:12	25.4	23:33	23.5	37.2	3.1	39	1	0	T	T	T		0.5	1147	1152	
Jan-30	Sat	53.0	15:05	20.9	6:59	32.1	37.0	-0.2	39	0	0					T			
Jan-31	Sun	66.1	14:12	39.4	7:04	26.7	52.8	15.8	40	0	2					T			
TOTAL		1429		813		616.3	1120.8	0.9	1356	28	32	3.96	0.94	0.18	16.4	47.2	Col.26-27		
NUM		31	31	31	31	31	31	31	31	31	31	8	8	8	3	8	DAILY AVE RH		
AVE.		46.09	13:09	26.21	11:00	19.88	36.15		43.74	0.90	1.03	Ave. Tot.	Ave.Max	Ave.Max	Ave.Tot.	Ave.Days	65.0	Percent	
Normals		46.62		26.83		19.79	36.72		41.14	1.08	1.12	3.13	0.65	0.09	4.7	1.9	64.3	Percent	
Departures		-0.52		-0.62		0.09	-0.57		2.60	-0.18	-0.09	0.83	-0.39	-0.06	11.7	45.3	0.7	Percent	
MAX.	Dates	66.1		42.6		33.1	52.8	15.8	55.0	Whole	Day	1.35	0.26	0.03	9.1	13.0	Precip	24 Hr.	
	1	Jan-31		Jan-09		Jan-25	Jan-31	Jan-31	Jan-01	AVE.	0.97	Jan-23	Jan-09	Jan-09	Jan-23	Jan-23	Amount	1.66	
	2									Normal	1.10		Jan-10	Jan-10			Date	Jan 22	
	3									Depart.	-0.13		Jan-15	Jan-15			Date	Jan 23	
MIN.	Dates	26.4		10.8		4.5	19.9	-15.3	39.0	SKY	AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES	
	1	Jan-22		Jan-19		Jan-22	Jan-19	Jan-11	Jan-20	CLEAR	14	12	6	DAYS	1	DAYS	0	DAYS	
	2								Jan-22	P.CLO.	6	6	HOTTEST DAY		52.8	Highest Mean	Lowest Mean	COOLEST DAY	19.85
	3								Jan-28	CLO.	11	13	DAY		Jan-31	Mean	Mean	DAY	Jan-19
<=32 °F		4	<=32 °F	23	MAX.	<=80	<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=30	<=25	<=20	
>=90 °F		0	>=70 °F	0	DAYS	31	31	31	30	27	25	18	14	9	5	3	0	0	

PAGE #2		Jan 2016 West Henrico Co. - Glen Allen Weather Center 37.65537° N. 77.5693° W. - Koontz																	
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Jan 2016	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE											
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE	GLAZE	SLEET	SNOW	FOG	R		DEW	FROST
Jan-01			28.6	13	0:55	90	66	30.20	30.09	30.15	0.11							1	
Jan-02			45.3	15	14:38	93	34	30.24	30.02	30.13	-0.02								5
Jan-03			52.0	20	21:44	89	29	30.03	29.86	29.95	-0.18								3
Jan-04			112.9	30	14:17	88	33	30.43	29.98	30.21	0.26			1					2
Jan-05			91.4	26	0:04	74	30	30.69	30.43	30.56	0.36								N
Jan-06			7.0	6	9:48	85	33	30.67	30.41	30.54	-0.02								4
Jan-07			30.3	11	21:57	97	60	30.42	30.17	30.30	-0.24								P
Jan-08	2020	2145	39.9	11	4:11	100	95	30.20	30.10	30.15	-0.15					2			P
Jan-09			29.4	12	20:12	99	89	30.16	29.78	29.97	-0.18					1			P
Jan-10	0645	0725	140.4	31	15:24	100	49	29.88	29.48	29.68	-0.29								P
Jan-11			60.2	18	12:38	70	24	30.16	29.88	30.02	0.34								N
Jan-12			134.8	36	13:37	70	29	30.14	29.75	29.95	-0.07								1
Jan-13			40.3	16	0:12	60	25	30.24	30.02	30.13	0.18								N
Jan-14			114.8	25	11:14	60	34	30.08	29.97	30.03	-0.11								N
Jan-15			97.7	20	21:07	98	43	30.00	29.39	29.70	-0.33								N
Jan-16			58.6	22	14:51	98	45	29.88	29.43	29.66	-0.04								P
Jan-17			40.5	16	8:12	98	72	29.92	29.79	29.86	0.20				2			1	
Jan-18			75.7	21	11:45	94	26	30.29	29.87	30.08	0.22								3
Jan-19			50.0	22	13:32	66	29	30.42	30.27	30.35	0.27								N
Jan-20			33.1	16	18:48	81	29	30.41	30.14	30.28	-0.07				1				3
Jan-21			64.9	19	10:00	90	38	30.37	30.13	30.25	-0.02								2
Jan-22			104.6	24	18:05	94	64	30.35	29.70	30.03	-0.23			4	4				N
Jan-23			227.0	33	8:21	95	82	29.85	29.50	29.68	-0.35			3	5				P
Jan-24			51.8	20	0:49	85	28	30.22	29.85	30.04	0.36								M
Jan-25			31.5	17	15:27	84	37	30.32	30.19	30.26	0.22								2
Jan-26			138.3	30	13:26	81	39	30.24	30.03	30.14	-0.12							2	
Jan-27	0202	0750	49.3	15	10:12	95	45	30.22	30.01	30.12	-0.02								P
Jan-28			24.1	12	13:32	93	49	30.17	29.69	29.93	-0.19								4
Jan-29			56.6	23	13:30	91	30	30.05	29.61	29.83	-0.10								3
Jan-30			68.3	23	15:50	89	27	30.18	30.04	30.11	0.28								3
Jan-31			152.6	25	13:50	74	38	30.07	29.90	29.99	-0.13								N
TOTAL			2251.9	628		2681	1351	936.50	927.48	931.99		TOTAL	0	2	5	2	0	3	12
Number	Mar. Wind Run		31	31	31	31	31	31	31	31		Normal	1.4	1.4	4.3	3.9	0.6	2.9	10.7
AVE.	Total		2251.9	72.64	20.26	12:19	86.48	43.58	30.21	29.92	30.06	Depart.	-1.4	0.6	0.7	-1.9	-0.6	0.1	1.3
Normals	Miles		1690.1	54.52	18.75		84.36	43.53	30.20	29.93	30.07	GLAZE	SLEET	SNOW	FOG	R	DEW	FROST	
Departures	Miles		561.8	18.12	1.51		2.12	0.05	0.01	-0.01	-0.01								
MAXIMUM DATES			Dates	227.0	36	SW	100	95	30.69	30.43	30.56	0.36							
			1	Jan-23	Jan-12	13:37	Jan-08	Jan-08	Jan-05	Jan-05	Jan-05	Jan-24	5. Very Heavy						
			2										4. Heavy-Unusual						
			3										3. Moderate - Ave.						
			4										2. Light - < Ave.						
MINIMUM DATES			Dates	7.0	6		60	24	29.85	29.39	29.66	-0.35	1. Very Light - Slight - Trace						
			1	Jan-06	Jan-06		Jan-13	Jan-11	Jan-23	Jan-15	Jan-16	Jan-23	M - Event with intensity missing						
			2				Jan-14						P - Rain hindering Dew or Frost Observations						
MINIMUM DAYS			<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=30	<=25	<=20	<=15	<=10	<=5	<=0	<=-5
			31	31	31	31	31	31	31	30	24	22	16	8	3	0	0	0	0

Jan
2016

REMARKS FOR THE MONTH

January - 2016

Jan-01	THIS IS THE 11TH DAY WITH CLOUDS
Jan-02	FINALLY CLEAR AGAIN BUT COLD AFTER THE WARMEST DEC. IN RICHMOND RECORDS OF 135 YEARS
Jan-03	SCATTERED CIRRUS IN PM BUT ONLY ABOUT 10-15% CLOUDY
Jan-04	CLOUDY UNTIL 1000 THEN PC - AM EST. TO BE ABOUT 80-85% CLOUDY AND PM ABOUT 60-65% CLOUDY -SNOW FLURRIES IN THE MORNING
Jan-05	NO FROST-WINDY NIGHT WITH A LOW WIND CHILL OF 0°F -LOW DEW POINT 0.6°F -A CLEAR BUT VERY COLD DAY
Jan-06	CIRRUS CLOUDS CAME IN ABOUT 1600 AND ALTOSTRATUS BY 1630 TO SUNSET-MUCH WARMER TODAY
Jan-07	CLOUDY ALL DAY BUT A LITTLE CLEARING ABOUT SUNSET
Jan-08	FOGGY GLOOMY DRIZZLE MOST OF DAY TAKING ABOUT 4 HRS. FOR JUST 0.01 INCHES OF PRECIP.-SPRINKLES AND LIGHT MIST OCCURRED BEFORE
Jan-09	DAMP CLOUDY DAY
Jan-10	CLOUDY AM BUT HIGH DEFINITION CUMULUS ON A BLUE SKY AND STRATOCUMULUS PM CLOUDS
Jan-11	CLEAR AND CHILLY DAY BUT FULL SUN AND BREEZY
Jan-12	VARIABLE SKY-VIRGA BUT TOO WARM FOR SNOW-ONLY A FEW DROPS OF RAIN-PRECIP. SENSOR READ A MAX. OF ONLY 1
Jan-13	VERY CLEAR COLD, BREEZY DAY WITH VERY LOW REL. HUMIDITY
Jan-14	VERY CLEAR AM AND A FEW PM CIRRUS AND MUCH WARMER WITH DRY AIR
Jan-15	CIRRUS COVERED MOST OF SKY BY 0900 BUT THEN THIN UNTIL 1130
Jan-16	CUMULUS AND STRATOCUMULUS CLOUDS CAME IN AT 1230-PM 75-80% CLOUDY-QUINCE BLOOMING, FORSYNTHIA BLOOMING, BUDS ON DAFFODILS
Jan-17	TEMP. ABOVE FREEZING DURING SNOW CAUSED VERY FEW PROBLEMS AND WAS PRETTY - FIRST MEASURABLE SNOW
Jan-18	EXTREMELY COLD DAY-ARCTIC AIR MASS GIVING MIN. WIND CHILL FACTOR OF -3.5°F
Jan-19	COLDEST SINCE FEB. 20,2015 WHEN IT WAS -1°F -AIR TOO DRY FOR FROST
Jan-20	CLOUDS CAME IN AT 1045-CIRRUS COMPLETELY COVERED SKY THEN ALTOCUMULUS BY 1130 AND CLOUDY TO DARK-SNOW FLURRIES FROM
Jan-21	THICKER CIRROSTRATUS AROUND NOON AND ONLY SCATTERED THIN CIRRUS MOST OF REST OF DAY
Jan-22	COMPUTER MODELS CALLING FOR A HISTORIC STORM BUT IT WILL BE MUCH LESS TO EAST OF GLEN ALLEN
Jan-23	HIGHEST WIND RUN SINCE JANUARY 17, 2012 WHEN THE WIND RUN WAS 247 MPH-VISIBILITY 0.1 MILES AROUND 1500-MY SON IN EXTREME WESTERN
Jan-24	VERY CLEAR BLUE SKY AND WARMER THAN FORECAST-WE LOST ABOUT 2 INCHES OF SNOW DURING DAY
Jan-25	EVEN WARMER TODAY THAN YESTERDAY-BUT CLOUDY THIS PM-ALSO THIN AM CIRRUS
Jan-26	SUN THROUGH CIRRUS AND ALTOCUMULUS WITH TEMPS. AS HIGH WAS 60°F TODAY MELTING APPROX. 5 1/2 INCHES OF SNOW
Jan-27	LIGHT RAIN ENDED EARLY AND SUN WAS OUT BY 1100 BUT PM WAS PC AND STILL WARM FOR JAN.
Jan-28	AM WAS PC WITH CIRRUS - PM CLOUDY STARTING AT 1330
Jan-29	PARTLY CLOUDY 1330-1445 THEN MOSTLY CLEAR TO SUNSET-AM WAS ABOUT 60-65% CLOUDY
Jan-30	MOSTLY SUNNY AND A WARMING TREND IS SETTING IN - BREEZY AND LOW RELATIVE HUMIDITY TODAY- a FEW CIRRUS FROM 0915 TO1000 AND 1115 TO 1130
Jan-31	ONLY A FEW AM CIRRUS BUT THIN CIRRUS AND CIRROSTRATUS COVERED MOST OF THE SKY FROM 1415 TO SUNSET

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Jan-08	THE TIMES RECORDED IN COLUMNS 14-17-THOSE PERIODS WERE 0200, 0920, 1240 BUT WERE EXTREMELY LIGHT
Jan-16	WITH STEM 6-10 INS. ABOVE GROUND
Jan-20	1935-AROUND 2145 BUT WERE SO LIGHT THAT WEREN'T EVEN DETECTED BY PRECIP. SENSOR
Jan-23	HENRICO REPORTED SNOW SO HEAVY HE COULD NOT SEE ACROSS THE STREET-SNOW STORM HAS GIVEN A NEW REC. AMOUNT FOR GLEN ALLEN-RICHMOND AIRPORT REPORTED 11.4 INCHES RATED THE 11TH GREATEST SNOW STORM IN RICHMOND'S RECORDS

Note for column 19 Because the greatest 24 hour of precipitation occurred during the 35.5 hour snow and sleet storm made it was difficult to obtain an exact liquid amount and the 1.66 inches recorded in column 19 may be error by as much as 0.10 inches.

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/glenallencclimate/log/2016/2016 Obs Rules.pdf](http://www.glenallenweather.com/upload/glenallencclimate/log/2016/2016%20Obs%20Rules.pdf)

DAYS MISSING IN COLUMN 41 HAD NO RECORDS & WERE DELETED TO ADD ROOM FOR ADDITIONAL RECORDS

Jan

2016

The Glen Allen Station had 36 Records or Record Ties in January 2016

1	
2	
3	The maximum temperature on the 3rd was 56.3°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 53°F in 2009. The daily temperature range on the 3rd was 28.6°F a new 7 year HIGH daily temperature range record for the date - the old record was 23°F in 2009.
4	The daily temperature range on the 4th was 15.5°F, a new 7 year LOW daily temperature range record for the date - the old record was 18°F in 2009. The daily greatest snow on the 4th was Trace and is a new 7 year daily greatest snow record for the date - the old record was 0 inches.
5	The minimum temperature on the 5th was 15.8°F a new 7 year LOW daily minimum temperature record for the date - the old record was 20°F in 2010. The maximum temperature on the 5th was 32.5°F, a new 7 year cold daily maximum temperature record for the date - the old record was 37°F in 2010.
*	The minimum temperature last night was 15.8°F the lowest minimum temperature since March 6, 2015 when the minimum temperature was 13.8°F.
6	The minimum temperature on the 6th was 14.1°F a new 7 year LOW daily minimum temperature record for the date - the old record was 15°F in 2014.
*	The minimum temperature last night was 13.9°F the lowest minimum temperature since March 6, 2015 when the minimum temperature was 13.8°F.
7	
8	The minimum temperature on the 8th was 37.7°F, a new 7 year warm daily minimum temperature record for the date - the old record was 34°F in 2012. The daily temperature range on the 8th was 6.3°F, a new 7 year LOW daily temperature range record for the date - the old record was 13°F in 2010. The daily precipitation on the 8th was 0.06 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.01 inches in 2011 and 2010.
9	The minimum temperature on the 9th was 42.6°F, a new 7 year warm daily minimum temperature record for the date - the old record was 36°F in 2013. The daily precipitation on the 9th was 0.42 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.22 inches in 2012.
10	The maximum temperature on the 10th was 64.1°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 60°F in 2013. The daily temperature range on the 10th was 29.3°F a new 7 year HIGH daily temperature range record for the date - the old record was 27°F in 2009.
11	
12	The daily temperature range on the 12th was 25.4°F a new 7 year HIGH daily temperature range record for the date - the old record was 19°F in 2014 and 2012.
13	The maximum temperature on the 13th was 37.4°F, a new 7 year cold daily maximum temperature record for the date - the old record was 40°F in 2009.
16	The maximum temperature on the 16th was 60.5°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 58°F in 2010. The minimum temperature on the 16th was 36.7°F, a new 7 year warm daily minimum temperature record for the date - the old record was 36°F in 2013.
18	The minimum temperature on the 18th was 15.8°F a new 7 year LOW daily minimum temperature record for the date - the old record was 23°F in 2014. The maximum temperature on the 18th was 29.8°F, a new 7 year cold daily maximum temperature record for the date - the old record was 40°F in 2011.
19	The minimum temperature on the 19th was 10.8°F a new 7 year LOW daily minimum temperature record for the date - the old record was 19°F in 2012. The maximum temperature on the 19th was 28.9°F, a new 7 year cold daily maximum temperature record for the date - the old record was 45°F in 2012 and 2009.
*	The min. temp. for the 19th was 10.8 °F the lowest min. temp. since February 20, 2015 when the min. temp. was -1.2°F which is the record low for this station (Records since 2008).
20	The minimum temperature on the 20th was 11.8°F a new 7 year LOW daily minimum temperature record for the date - the old record was 20°F in 2009. The daily greatest snow on the 20th was a trace and EQUALED the 7 year HIGH daily greatest snow record for the date - the old record was set in 2012.
22	The maximum temperature on the 22nd was 26.4°F, a new 7 year cold daily maximum temperature record for the date - the old record was 27°F in 2014 and 2011. The daily precipitation on the 22nd was 0.91 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.51 inches in 2010. The daily greatest snow on the 22nd was 6 inches and is a new 7 year daily greatest snow record for the date - the old record was 0.1 inches in 2014.
23	The maximum temperature on the 23rd was 28.6°F, a new 7 year cold daily maximum temperature record for the date - the old record was 32°F in 2014. The daily temperature range on the 23rd was 6.1°F, a new 7 year LOW daily temperature range record for the date - the old record was 13.4°F in 2015. The daily precipitation on the 23rd was 1.35 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.61 inches in 2015. The daily greatest snow on the 23rd was 9.1 inches and is a new 7 year daily greatest snow record for the date - the old record was 0.2 inches in 2013.
24	
25	The daily temperature range on the 25th was 33.1°F a new 7 year HIGH daily temperature range record for the date - the old record was 26°F in 2011.
26	
27	
28	
29	
30	The daily temperature range on the 30th was 32.1°F a new 7 year HIGH daily temperature range record for the date - the old record was 30°F in 2014.
31	