

1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
Feb 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																			
Feb-01	Mon	73.8	14:43	46.9	21:36	26.9	60.4	7.6	43	0	2	0.20	0.14	0.02			1523	2105																			
Feb-02	Tue	55.2	13:15	42.3	23:57	12.9	48.8	-11.6	46	0	2																										
Feb-03	Wed	68.0	13:20	41.9	0:07	26.1	55.0	6.2	46	2	2	1.05	0.64	0.07			0725	0800																			
Feb-04	Thu	61.6	2:03	40.3	23:55	21.3	51.0	-4.0	50	2	2	0.05	0.02	0.01			0001	0110																			
Feb-05	Fri	45.9	13:09	26.4	23:53	19.5	36.2	-14.8	48	2	0	0.08	0.04	0.01	0.1	None	0001	0035																			
Feb-06	Sat	46.8	15:30	22.8	7:17	24.0	34.8	-1.4	45	2	1																										
Feb-07	Sun	44.3	14:07	28.8	0:01	15.5	36.6	1.8	43	2	2																										
Feb-08	Mon	49.7	12:59	28.0	7:25	21.7	38.9	2.3	43	0	2	0.11	0.09	0.01			1735	1800																			
Feb-09	Tue	45.3	13:27	32.2	23:49	13.1	38.8	-0.1	44	2	2	0.05	0.05	0.01	T	None	0001	0010																			
Feb-10	Wed	43.0	14:13	23.7	23:45	19.3	33.4	-5.4	43	0	2	0.01	0.01	T	0.1	None	0001	0220																			
Feb-11	Thu	35.3	15:18	18.5	7:10	16.8	26.9	-6.5	42	0	0																										
Feb-12	Fri	30.8	14:14	16.6	6:45	14.2	23.7	-3.2	40	2	2	T	T	T	T	None	1510	1515																			
Feb-13	Sat	30.8	14:16	13.0	23:53	17.8	21.9	-1.8	40	0	0																										
Feb-14	Sun	28.9	14:25	8.2	6:52	20.7	18.6	-3.4	38	0	1	0.01	0.01	T	0.1	None	2130	2400																			
Feb-15	Mon	31.0	23:45	21.1	2:36	9.9	26.1	7.5	38	2	2	0.40	0.08	0.02	1.3	1.2	0001	1340																			
Feb-16	Tue	57.6	16:04	31.0	0:01	26.6	44.3	18.3	39	2	1	0.52	0.19	0.06	ZR	None	0001	0025																			
Feb-17	Wed	55.5	14:30	31.9	7:13	23.6	43.7	-0.6	42	0	0	T	T	T			0248	0255																			
Feb-18	Thu	46.6	13:53	24.8	6:40	21.8	35.7	-8.0	42	0	0																										
Feb-19	Fri	49.3	15:50	20.6	6:03	28.7	35.0	-0.8	41	2	1																										
Feb-20	Sat	66.1	16:13	44.9	1:16	21.2	55.5	20.6	42	2	2																										
Feb-21	Sun	67.5	12:41	46.1	5:49	21.4	56.8	1.3	45	2	2	0.48	0.17	0.07			1250	1935																			
Feb-22	Mon	54.3	0:01	44.4	23:55	9.9	49.4	-7.5	48	2	2																										
Feb-23	Tue	44.4	0:01	39.7	6:03	4.7	42.1	-7.3	47	2	2	0.81	0.19	0.03			0100	1250																			
Feb-24	Wed	69.5	17:47	41.3	0:40	28.2	55.4	13.4	47	2	2	0.65	0.22	0.14			0050	0725																			
Feb-25	Thu	57.3	0:01	41.4	23:20	15.9	49.4	-6.1	49	2	2																										
Feb-26	Fri	47.8	13:13	25.8	23:55	22.0	36.8	-12.6	46	1	0																										
Feb-27	Sat	48.0	14:38	20.6	6:26	27.4	34.3	-2.5	44	1	0																										
Feb-28	Sun	67.0	14:50	30.1	2:39	36.9	48.6	14.3	44	0	0																										
Feb-29	Mon	70.2	14:22	42.0	23:59	28.2	56.1	7.6	47	1	0																										
TOTAL NUM		1492	29	895	29	596.2	1193.4	3.4	1272	35	36	4.42	1.85	0.45	1.6	1.2	Col.26-27																				
AVE.		51.43	12:51	30.87	11:45	20.56	41.15	43.86	1.21	1.24	Ave. Tot.	Ave.Max	Ave.Max	Ave.Tot.	Ave.Days	65.0	Percent																				
Normals		50.08		28.59		21.48	39.34	41.26	1.09	1.16	2.66	0.63	0.09	5.8	5.0	60.5	Percent																				
Departures		1.35		2.28		-0.93	1.81	2.60	0.11	0.08	1.76	0.01	0.05	-4.2	-3.8	4.5	Percent																				
MAX. DATES		73.8	Feb-01	46.9	Feb-01	36.9	60.4	20.6	50	Whole Day		1.05	0.64	0.14	1.3	1.2	Precip	24 Hr.																			
		1	Feb-01			Feb-28	Feb-01	Feb-20	Feb-04	AVE.	1.22	Feb-03	Feb-03	Feb-24	Feb-15	Feb-15	Amount	1.08																			
		2								Normal	1.13						Date	Feb.03																			
		3								Depart.	0.10						Date	Feb.04																			
MIN. DATES		28.9	Feb-14	8.2	Feb-14	4.7	18.6	-14.8	38	SKY		AM	PM	>= 0.10	INCHES	>= 1.00	INCHES	>= 2.00	INCHES																		
		1	Feb-14			Feb-23	Feb-14	Feb-05	Feb-14	CLEAR	10	9	8	DAYS	1	DAYS	0	DAYS																			
		2							Feb-15	P.CLO.	3	4	HOTTEST	60.4	Highest	Lowest	COOLEST	18.6																			
		3								CLO.	16	16	DAY	2-01	Mean	Mean	DAY	2-14																			
<=32°F		4	<=32°F	18	MAX.	>=80	>=75	>=70	>=65	>=60	>=55	>=50	>=45	>=40	>=35	>=30	>=25	>=20																			
>=90°F		0	>=70°F	0	DAYS	0	0	3	7	8	11	14	21	24	25	28	29	29																			

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

Feb 2016	2nd PERIOD		WIND			REL. HUMIDITY		BAROMETRIC PRESSURE				GLAZE	SLEET	SNOW	FOG	DEW	FROST		
	START	END	RUN	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	CHANGE								
Feb-01			114.9	21	16:05	95	46	30.08	29.84	29.96	0.10					N			
Feb-02			70.3	16	8:42	95	50	30.35	30.08	30.22	0.25					P			
Feb-03	1348	1835	51.0	27	13:07	100	73	30.26	29.86	30.06	-0.15				2	P			
Feb-04	0425	0500	100.4	20	9:23	100	60	30.11	29.90	30.01	-0.06				1	P			
Feb-05	0155	0635	78.9	22	11:29	93	37	30.43	30.06	30.25	0.24			1		P			
Feb-06			13.4	13	12:25	93	31	30.51	30.27	30.39	0.15						4		
Feb-07			73.5	19	13:38	87	41	30.28	29.84	30.06	-0.33						1		
Feb-08	2020	2400	38.0	15	18:16	91	37	29.84	29.63	29.74	-0.33						2		
Feb-09	1304	1308	42.8	20	20:10	99	53	29.75	29.56	29.66	-0.08		1	1		P			
Feb-10			76.9	21	20:29	88	33	30.03	29.74	29.89	0.23			1			P		
Feb-11			61.6	21	11:25	56	24	30.36	30.02	30.19	0.31						N		
Feb-12			29.2	13	15:11	71	38	30.36	30.02	30.19	0.00			1			N		
Feb-13			100.0	25	4:57	76	23	30.49	30.03	30.26	0.07						N		
Feb-14			30.5	15	21:55	77	27	30.61	30.49	30.55	0.29			1			3		
Feb-15	1525	2400	15.7	9	2:22	95	77	30.54	30.02	30.28	-0.27	1		2	1		P		
Feb-16	0130	0630	54.6	20	8:18	99	47	30.02	29.56	29.79	-0.49	1			1		P		
Feb-17	2025	2030	35.4	15	19:45	95	35	30.32	29.89	30.11	0.32						3		
Feb-18			49.8	17	13:19	92	32	30.58	30.31	30.45	0.34						4		
Feb-19			60.5	25	22:51	79	29	30.63	30.21	30.42	-0.02						3		
Feb-20			149.6	29	5:06	74	38	30.22	29.98	30.10	-0.32						N		
Feb-21			46.7	13	10:41	98	58	30.01	29.87	29.94	-0.16						2		
Feb-22			63.8	16	0:58	99	70	30.19	29.93	30.06	0.12						P		
Feb-23	1325	1425	90.0	18	6:20	100	76	30.16	30.02	30.09	0.03				1		P		
Feb-24	1015	1035	128.4	36	18:02	100	54	30.02	29.32	29.67	-0.42				3	1	P		
Feb-25			186.0	41	2:06	67	38	29.83	29.39	29.61	-0.06						N		
Feb-26			70.9	20	16:24	82	29	30.24	29.83	30.04	0.42						2		
Feb-27			38.2	19	14:43	88	35	30.26	30.11	30.19	0.15						4		
Feb-28			129.3	25	14:18	81	28	30.14	29.89	30.02	-0.17						2		
Feb-29			137.9	34	10:35	57	24	30.06	29.75	29.91	-0.11						N		
TOTAL												TOTAL	2	1	6	6	1	4	7
Number												Normal	1.0	1.7	4.6	1.714	0.6	2.0	9.4
Ave.												Depart.	1.0	-0.7	1.4	4.3	0.4	2.0	-2.4
Normals																			
Departures																			
MAXIMUM DATES	Dates		186.0	41	SSW	100	77	30.63	30.49	30.55	0.42								
	1		Feb-25	Feb-25	2:06	Feb-03	Feb-15	Feb-19	Feb-14	Feb-14	Feb-26								
	2					Feb-04													
	3					Feb-23													
	4					Feb-24													
MINIMUM DATES	Dates		13.4	9		56	23	29.75	29.32	29.61	-0.49								
	1		Feb-06	Feb-15		Feb-11	Feb-13	Feb-24	Feb-24	Feb-25	Feb-16								
	2																		
MINIMUM DAYS		<=75	<=70	<=65	<=60	<=55	<=50	<=45	<=40	<=35	<=30	<=25	<=20	<=15	<=10	<=5	<=0		
		29	29	29	29	29	29	27	20	18	15	10	4	2	1	29	0		

GLAZE SLEET SNOW FOG DEW FROST

5. Very Heavy
 4. Heavy-Unusual
 3. Moderate - Ave.
 2. Light - < Ave.

1. Very Light - Slight - Trace
 M - Event with intensity missing
 P - Rain hindering Dew & Frost Obs.

N- None

REMARKS FOR THE MONTH

February - 2016

Feb 2016	
Feb-01	WIND PREVENTED DEW-WARMEST DAY SINCE DEC. 27, 2015 WHEN IT WAS 75.7°F -CLOUDS CAME IN AT ABOUT 1300
Feb-02	CLOUDS CAME IN AT AROUND 1330 AND WAS CLOUDY UNTIL SUNSET
Feb-03	IT RAINED BEFORE CHECKING DEW WHICH WAS THOUGHT TO BE RATED 1-MAX. RAIN RATE 1.72 INS./HR AT 1422-3RD PD. RAIN 2230-2400 BUT ONLY .01 INS.
Feb-04	3RD PD. OF PRECIP. 2100-2400
Feb-05	CLEARING STARTED AT 1115 AND CLEAR BY 1215-SCATTERED PM CUMULUS UNTIL 1445 THEN VERY CLEAR
Feb-06	SUN THROUGH CIRRUS ALL DAY BUT THICKER AND MORE AM COVERAGE
Feb-07	CLOUDY ALL DAY BUT A BEAUTIFUL LAST MINUTE SUNSET-A CHILLY BREEZY DAY
Feb-08	CLOUDS CAME IN AROUND 1030-AM WAS 20-30% CLOUDY AND PM WAS 90-95% CLOUDY
Feb-09	A QUICK BURST OF SLEET AND GRAUPEL OCCURRED AT 1304-1308 AT A TEMP. OF 42.7°F -ANOTHER PD. OF SLEET AND GRAUPEL HARDER THAN FIRST OCCURRED AT 1348-1605
Feb-10	CLOUDS CAME IN ABOUT 1300 AND CLOUDY BY 1500 AND CONTINUED CLOUDY TO SUNSET
Feb-11	VERY DRY AIR - NO FROST-DRY AIR MASS HAD A LOW DEW POINT OF 0.2°F AT 1921
Feb-12	VERY DRY AIR - NO FROST - A QUICK AND VERY LIGHT SNOW FLURRY TODAY
Feb-13	
Feb-14	LOW DEW POINT OF -3.3°F AT 0104-AM HAD A FEW SCATTERED CIRRUS-PM BECAME CLOUDY WITH CIRROSTRATUS AT 1600
Feb-15	SHORT PDS. WITHOUT PRECIP. BUT NONE AS LONG AS ONE HOUR EXCEPT AT 1400-SNOW, FREEZING RAIN AND SLEET OBSERVED TODAY
Feb-16	MAX. GLAZE OCCURRED AT AROUND 0300 AND WAS APPROX. 0.1 INS. -A QUICK AM WARM-UP OF ABOUT 20°F FROM 0300-0630
Feb-17	AM CUMULUS FROM 1000-NOON ABOUT 30% CLOUDY IN AM AND PM HAD SCATTERED CUMULUS ABOUT 30% CLOUDY
Feb-18	PM HAD A FEW SCATTERED CUMULUS BUT AM WAS VERY CLEAR UNTIL 1130
Feb-19	BREEZY COOL DAY PARTICULARLY THE AM WITH ALTOCUMULUS CLOUDS
Feb-20	WINDY AND LOW REL. HUMIDITY GAVE NO DEW-CLOUDY ALL DAY UNTIL 1600 THEN MOSTLY CLEAR
Feb-21	A LITTLE SUNLIGHT THROUGH AM CLOUDS-PM MODERATE RAINFALL
Feb-22	NO RAIN BUT A VERY CLOUDY DAY
Feb-23	A TOTALLY CLOUDY GLOOMY DAY WITH AN ALL MORNING RAIN AND SOME FOG AND DAMP
Feb-24	3RD PD. OF PRECIP. 1220-1530, 4TH PD. 1705-1935-MANY TORNADO WARNINGS THIS PM BET. 1700-2100- 1ST TS OF 2016-THUNDER HEARD 3 TIMES- TS RATED 1-3-4
Feb-25	VERY CLOUDY CHILLY AND WINDY DAY-5 TORNADOS CONFIRMED FOR VA
Feb-26	AM STRATOCUMULUS EST. AT 40-50% CLOUDY BUT MOSTLY CLEAR AFTER 1230 AND VERY CLEAR AFTER 1330-NOW 7 TORNADOS UP FROM 5
Feb-27	CLEAR SUNRISE TO 1030-CLOUDY TO 1145 THEN CLEAR AGAIN TO SUNSET WITH A PM OF A FEW SCATTERED CUMULUS 1330-1445- TORNADO COUNT IN VA NOW RAISED TO 8
Feb-28	WARM-UP IN THE MAKING AND A VERY CLEAR DAY
Feb-29	The AM WAS PARTLY CLOUDY BUT CLEARING OCCURRED AT 1000 AND IT WAS A BEAUTIFUL CLEAR AND WARM AFTERNOON.

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Page 4 EXTENSION OF LENGTHY DAILY RECORDS

Feb-29 The maximum temperature on the 29th was 70.2°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 61°F in 2012.

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)

Feb
2016

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

The Glen Allen Station had 37 Records or Record Ties in FEBRUARY 2016

1	The maximum temperature on the 1st was 73.8°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 72°F in 2012. The daily precipitation on the 1st was 0.2 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.07 inches in 2011.
2	The daily temperature range on the 2nd was 12.9°F, a new 7 year LOW daily temperature range record for the date - the old record was 15°F in 2010.
3	The minimum temperature on the 3rd was 41.9°F, a new 7 year warm daily minimum temperature record for the date - the old record was 33°F in 2014. The maximum temperature on the 3rd was 68°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 55°F in 2012. The daily temperature range on the 3rd was 26.1°F a new 7 year HIGH daily temperature range record for the date - the old record was 24°F in 2012.
4	The maximum temperature on the 4th was 61.6°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 56.5°F in 2015. The minimum temperature on the 4th was 40.3°F, a new 7 year warm daily minimum temperature record for the date - the old record was 35°F in 2012.
5	
6	
7	
8	
9	The daily greatest snow on the 9th was a trace and is a new 7 year daily greatest snow record for the date - the old record has no snow for this date.
10	
11	The minimum temperature on the 11th was 18.9°F a new 7 year LOW daily minimum temperature record for the date - the old record was 20°F in 2011. The maximum temperature on the 11th was 35.3°F, a new 7 year cold daily maximum temperature record for the date - the old record was 36°F in 2014.
12	The minimum temperature on the 12th was 16.6°F a new 7 year LOW daily minimum temperature record for the date - the old record was 18°F in 2014 and 2012.
13	The minimum temperature on the 13th was 13°F a new 7 year LOW daily minimum temperature record for the date - the old record was 15.1°F in 2015. The maximum temperature on the 13th was 30.8°F, a new 7 year cold daily maximum temperature record for the date - the old record was 31.2°F in 2015.
14	The minimum temperature on the 14th was 8.2°F a new 7 year LOW daily minimum temperature record for the date - the old record was 19.7°F in 2015. The daily precipitation on the 14th was 0.01 inches and EQUALED the 7 year HIGH daily precipitation record for the date - the old record was set in 2015. The maximum temperature on the 14th was 28.9°F, a new 7 year cold daily maximum temperature record for the date - the old record was 45°F in 2010. The daily greatest snow on the 14th was 0.1 inches and EQUALED the 7 year HIGH daily greatest snow record for the date - the old record was set in 2015.
*	The minimum temperature last night was 8.2°F the lowest minimum temperature since February 20, 2015 when the minimum temperature was -1.2°F.
15	The daily temperature range on the 15th was 12.9°F, a new 7 year LOW daily temperature range record for the date - the old record was 14.9°F in 2015. The daily precipitation on the 15th was 0.40 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.14 inches in 2014 and 2010. The daily greatest snow on the 15th was 1.3 inches and is a new 7 year daily greatest snow record for the date - the old record was 0 inches.
16	
17	
18	
19	
20	The minimum temperature on the 20th was 44.9°F, a new 7 year warm daily minimum temperature record for the date - the old record was 35°F in 2014. The maximum temperature on the 20th was 66.1°F, a new 7 year daily HIGH maximum temperature record for the date - the old record was 56°F in 2014 and 2011.
21	The minimum temperature on the 21st was 46.1°F, a new 7 year warm daily minimum temperature record for the date - the old record was 40°F in 2011. The daily temperature range on the 21st was 21.4°F, a new 7 year LOW daily temperature range record for the date - the old record was 21.7°F in 2015.
22	The minimum temperature on the 22nd was 44.4°F, a new 7 year warm daily minimum temperature record for the date - the old record was 42°F in 2012.
23	The daily temperature range on the 23rd was 4.7°F, a new 7 year LOW daily temperature range record for the date - the old record was 8°F in 2013. The daily precipitation on the 23rd was 0.81 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.13 inches in 2013.
24	The daily precipitation on the 24th was 0.65 inches a new 7 year HIGH daily precipitation record for the date - the old record was 0.16 inches in 2011.
25	The minimum temperature on the 25th was 41.4°F, a new 7 year warm daily minimum temperature record for the date - the old record was 37°F in 2011. The daily temperature range on the 25th was 15.9°F, a new 7 year LOW daily temperature range record for the date - the old record was 17°F in 2014 and 2010.
26	
27	The minimum temperature on the 27th was 20.6°F a new 7 year LOW daily minimum temperature record for the date - the old record was 25°F in 2014.
28	The daily temperature range on the 28th was 31.9°F a new 7 year HIGH daily temperature range record for the date - the old record was 28°F in 2011.
29	The minimum temperature on the 29th was 52.3°F, a new 7 year warm daily minimum temperature record for the date - the old record was 40°F in 2012. The daily temperature range on the 29th was 28.2°F a new 7 year HIGH daily temperature range record for the date - the old record was 21°F in 2012.