

TAVG: 34	TROOF: 33/27	TW: —
HDD: 31	TUNV: 32/25	To: 26
ZHDD: 31	MMTS: 38/29/32	
CDD: 0		
ZCDD: 0		
EPCNL: 0.01"		
EPCNS: 0.01"		
Date: 12/11/19		

TAVG: 33	TROOF: 33/31	TW: 33
HDD: 32	TUNV: 32/32	To: 31
ZHDD: 63	MMTS: 35/31/33	
CDD: 0		
ZCDD: 0		
EPCNL: 0.59"		
EPCNS: 1.5"		
Date: 12/2/19		

TAVG: 32	TROOF: 30/25	TW: —
HDD: 33	TUNV: 30/23	To: 25
ZHDD: 96	MMTS: 35/30/30	
CDD: 0		
ZCDD: 0		
EPCNL: 0.68"		
EPCNS: 1.5"		
Date: 12/3/19		

TAVG: 32	TROOF: 33/29	TW: 30
HDD: 33	TUNV: 32/28	To: 28
ZHDD: 129	MMTS: 34/30/33	
CDD: 6		
ZCDD: 0		
EPCNL: 0.68"		
EPCNS: 1.5"		
Date: 12/4/19		

TAVG: 34	TROOF: 33/25	TW: 32
HDD: 31	TUNV: 32/25	To: 26
ZHDD: 160	MMTS: 37/32/33	
CDD: 0		
ZCDD: 0		
EPCNL: 0.70"		
EPCNS: 1.5"		
Date: 12/5/19		

TAVG: 33	TROOF: 33/27	TW: 29
HDD: 32	TUNV: 32/27	To: 22
ZHDD: 192	MMTS: 35/30/33	
CDD: 0		
ZCDD: 0		
EPCNL: 0.70"		
EPCNS: 1.5"		
Date: 12/6/19		

TAVG: 38	TROOF: 31/24	TW: —
HDD: 27	TUNV: 30/17	To: 19
ZHDD: 219	MMTS: 46/30/30	
CDD: 0		
ZCDD: 0		
EPCNL: 0.70"		
EPCNS: 1.5"		
Date: 12/7/19		

TAVG: 30	TROOF: 27/19	TW: 21
HDD: 35	TUNV: 19/16	To: 19
ZHDD: 284	MMTS: 37/22/23	
CDD: 0		
ZCDD: 0		
EPCNL: 0.70"		
EPCNS: 1.5"		
Date: 12/8/19		

TAVG: 31	TROOF: 37/32	TW: 35
HDD: 34	TUNV: 36/34	To: 32
ZHDD: 288	MMTS: 40/23/37	
CDD: 0		
ZCDD: 0		
EPCNL: 0.74"		
EPCNS: 1.5"		
Date: 12/9/19		

TAVG: 46	TROOF: 52/49	TW: 51
HDD: 19	TUNV: 52/50	To: 50
ZHDD: 307	MMTS: 55/36/52	
CDD: 0		
ZCDD: 0		
EPCNL: 1.26"		
EPCNS: 1.5"		
Date: 12/10/19		

Wednesday, December 11, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 52 °F	Dir: WSW	Temp 77 °F	08-1300-02A, OCLL GRABKS			
Min. 28 °F	Vel. 7 m.p.h.	Read. 29.11 in.	2345-0050 -SN			
Set	Char.	Corr.	0630-08 -SN			
28 °F	Light breeze	28.97 in.				
R.H. 69 %	24 hr. Mov. — mi.	Sea L. 30.40 in.				
Ppn. Liq. 0.14 in.	Prev. Dir. —	3 hr. Tend. 2.0 mb				
Ppn. Sol. T in.	Snow Depth 0 in.	Observer BPD				
		Vis. 20 mi.				
		Vis. 25 mi.				
		Vis. 5 mi.				

Friday, December 13, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 33 °F	Dir: SSE	Temp 74 °F				
Min. 17 °F	Vel. 6 m.p.h.	Read. 29.28 in.				
Set	Char.	Corr.				
31 °F	Light	29.16 in.				
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 30.59 in.				
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 4.0 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SAS				
		Vis. 15 mi.				
		Vis. 10 mi.				
		Vis. 10 mi.				

Sunday, December 15, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 40 °F	Dir: WSW	Temp 74 °F	D2 0700-1030			
Min. 33 °F	Vel. 15 m.p.h.	Read. 28.54 in.	RA 1030-1430			
Set	Char.	Corr.	-RA, OCLL -RA 1430-1900			
36 °F	Breezy	28.41 in.				
R.H. 81 %	24 hr. Mov. — mi.	Sea L. 29.73 in.				
Ppn. Liq. 0.49 in.	Prev. Dir. —	3 hr. Tend. +3.0 mb				
Ppn. Sol. T in.	Snow Depth 0 in.	Observer KPS				
		Vis. 3.15 mi.				
		Vis. mi.				
		Vis. 25 mi.				

Tuesday, December 17, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 32 °F	Dir: E	Temp 77 °F	03-0815 -SN			
Min. 28* °F	Vel. 2 m.p.h.	Read. 28.58 in.	1945-2015 PL			
Set	Char.	Corr.	2015-0030 FZRA			
32 °F	Light	28.44 in.	0330-0530 -FZRA OCLL Bkts			
R.H. 96 %	24 hr. Mov. — mi.	Sea L. 29.83 in.	0630-08 -FZRA			
Ppn. Liq. 0.26 in.	Prev. Dir. —	3 hr. Tend. 2.0 mb				
Ppn. Sol. T in.	Snow Depth 0 in.	Observer DSM				
		Vis. 5 mi.				
		Vis. 20 mi.				
		Vis. 15 mi.				

Thursday, December 19, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 27 °F	Dir: WSW	Temp 72 °F	SN 0800-1010			
Min. 14 °F	Vel. 3 m.p.h.	Read. 29.21 in.	-SN 1100-1145			
Set	Char.	Corr.	SN 1225-1235			
16 °F	Light	29.08 in.	-SN 1235-1600			
R.H. 70 %	24 hr. Mov. — mi.	Sea L. 30.51 in.	SN 2030-2300			
Ppn. Liq. 0.03 in.	Prev. Dir. —	3 hr. Tend. +3.5 mb				
Ppn. Sol. 0.5 in.	Snow Depth T in.	Observer SAS				
		Vis. 25 mi.				
		Vis. 25 mi.				
		Vis. 25 mi.				

Thursday, December 12, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 30 °F	Dir: —	Temp 75 °F	0700-0940 -SN			
Min. 18 °F	Vel. 0 m.p.h.	Read. 29.45 in.	0830-0905 -SN			
Set	Char.	Corr.	0905-0915 -SN			
18 °F	Calm	29.31 in.	2250-2330 -SN			
R.H. 77 %	24 hr. Mov. — mi.	Sea L. 30.79 in.	1900-1900 -SN			
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. +0.5 mb	1900-1945 SN			
Ppn. Sol. 0.1 in.	Snow Depth T in.	Observer WP	2015-2030 SN			
		Vis. 25 mi.				
		Vis. 25 mi.				
		Vis. 25 mi.				

Saturday, December 14, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 34 °F	Dir: W	Temp 76 °F	-SN 0900-0930			
Min. 31 °F	Vel. 3 m.p.h.	Read. 28.42 in.	PL 1000-1030			
Set	Char.	Corr.	-RA 1030-1400			
34 °F	Light	28.28 in.	-D2 1400-0700			
R.H. 96 %	24 hr. Mov. — mi.	Sea L. 29.67 in.				
Ppn. Liq. 0.24 in.	Prev. Dir. —	3 hr. Tend. 4.0 mb				
Ppn. Sol. T in.	Snow Depth 0 in.	Observer JNM				
		Vis. 0.4 mi.				
		Vis. mi.				
		Vis. 5 mi.				

Monday, December 16, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 36 °F	Dir: —	Temp 76 °F	03-0740 -RA			
Min. 28 °F	Vel. 0 m.p.h.	Read. 28.96 in.	1200-1230 -SS			
Set	Char.	Corr.	0340-08 -SN			
29 °F	Calm	28.82 in.				
R.H. 65 %	24 hr. Mov. — mi.	Sea L. 30.22 in.				
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. steady mb				
Ppn. Sol. 0.2 in.	Snow Depth T in.	Observer LCS				
		Vis. 5 mi.				
		Vis. 20 mi.				
		Vis. 20 mi.				

Wednesday, December 18, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 33 °F	Dir: WSW	Temp 76 °F	05-1000 -FZRA, -RA -D2 OCLL			
Min. 23 °F	Vel. 8 m.p.h.	Read. 28.71 in.	1050-1050 -D2			
Set	Char.	Corr.	1115-1150 -D2			
24 °F	Breezy	28.57 in.	1430-2345 OCLL -SN			
R.H. 61 %	24 hr. Mov. — mi.	Sea L. 30.00 in.				
Ppn. Liq. 0.06 in.	Prev. Dir. —	3 hr. Tend. 0 mb				
Ppn. Sol. T in.	Snow Depth 0 in.	Observer BPD				
		Vis. 15 mi.				
		Vis. 2 mi.				
		Vis. 15 mi.				

Friday, December 20, 2019 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 22 °F	Dir: —	Temp 74 °F	-SHSN 1000-1100 CT			
Min. 13 °F	Vel. 0 m.p.h.	Read. 29.37 in.				
Set	Char.	Corr.				
22 °F	Calm	29.24 in.				
R.H. 81 %	24 hr. Mov. — mi.	Sea L. 30.70 in.				
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. +3.0 mb				
Ppn. Sol. T in.	Snow Depth T in.	Observer SAS				
		Vis. 25 mi.				
		Vis. mi.				
		Vis. 25 mi.				

Saturday, December 21, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 30 °F	Dir. SE	Temp 76 °F			
Min. 18 °F	Vel. 1 m.p.h.	Read. 29.42 in.			
Set 19 °F	Char. Calm	Corr. 29.28 in.			
R.H. 81 %	24 hr. Mov. - mi.	Sea L. 30.75 in.	Clds. 5T	Clds. -	Clds. 3/0 Ci
Ppn. Liq. 0.00 in.	Prev. Dir. -	3 hr. Tend. -0.0 mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer JNM	Vis. 20 mi.	Vis. -	Vis. 25 mi.

Sunday, December 22, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 34 °F	Dir. -	Temp 76 °F			
Min. 18 °F	Vel. 0 m.p.h.	Read. 29.16 in.			
Set 20 °F	Char. Calm	Corr. 29.01 in.			
R.H. 92 %	24 hr. Mov. - mi.	Sea L. 30.34 in.	Clds. 0/10	Clds. -	Clds. 0/10
Ppn. Liq. 0.00 in.	Prev. Dir. -	3 hr. Tend. - mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 5-15 mi.	Vis. -	Vis. 25 mi.

Monday, December 23, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 48 °F	Dir. -	Temp 75 °F			
Min. 20* °F	Vel. 0 m.p.h.	Read. 28.96 in.			
Set 28 °F	Char. Calm	Corr. 28.83 in.			
R.H. 88 %	24 hr. Mov. - mi.	Sea L. 30.16 in.	Clds. 1/10 Cs	Clds. -	Clds. 0/10
Ppn. Liq. 0.00 in.	Prev. Dir. -	3 hr. Tend. - mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 25 mi.	Vis. -	Vis. 25 mi.

Tuesday, December 24, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 55 °F	Dir. -	Temp 76 °F			
Min. 25 °F	Vel. 0 m.p.h.	Read. 28.89 in.			
Set 36 °F	Char. Calm	Corr. 28.77 in.			
R.H. 86 %	24 hr. Mov. - mi.	Sea L. 30.10 in.	Clds. 10/10 St	Clds. -	Clds. 0/10
Ppn. Liq. 0.00 in.	Prev. Dir. -	3 hr. Tend. +2.0 mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 15 mi.	Vis. -	Vis. 25 mi.

Wednesday, December 25, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 44 °F	Dir. -	Temp 75 °F			
Min. 24 °F	Vel. 0 m.p.h.	Read. 28.85 in.			
Set 24 °F	Char. Calm	Corr. 28.73 in.			
R.H. 96 %	24 hr. Mov. - mi.	Sea L. 30.13 in.	Clds. 5/10 Cs	Clds. -	Clds. 3/10 Cs
Ppn. Liq. 0.00 in.	Prev. Dir. -	3 hr. Tend. - mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 20 mi.	Vis. -	Vis. 25 mi.

Thursday, December 26, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 44 °F	Dir. -	Temp 76 °F			
Min. 24 °F	Vel. 0 m.p.h.	Read. 28.91 in.			
Set 28 °F	Char. Calm	Corr. 28.78 in.			
R.H. 94 %	24 hr. Mov. - mi.	Sea L. 30.18 in.	Clds. 6/10 Cs	Clds. -	Clds. 10/10 Cs
Ppn. Liq. 0.00 in.	Prev. Dir. -	3 hr. Tend. +1.0 mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 15 mi.	Vis. -	Vis. 25 mi.

Friday, December 27, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 49 °F	Dir. SW	Temp 76 °F			
Min. 28* °F	Vel. 7 m.p.h.	Read. 29.00 in.			
Set 42 °F	Char. Light	Corr. 28.87 in.			
R.H. 90 %	24 hr. Mov. - mi.	Sea L. 30.20 in.	Clds. 10/10 Ns	Clds. -	Clds. 3/10 Cs
Ppn. Liq. 0.02 in.	Prev. Dir. -	3 hr. Tend. -0.7 mb	Wx -RA	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 4 mi.	Vis. -	Vis. 25 mi.

Saturday, December 28, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 48 °F	Dir. W	Temp 75 °F			
Min. 39 °F	Vel. 4 m.p.h.	Read. 28.97 in.			
Set 41 °F	Char. Light	Corr. 28.84 in.			
R.H. 84 %	24 hr. Mov. - mi.	Sea L. 30.24 in.	Clds. 6/10 St	Clds. -	Clds. 2/10 Cs
Ppn. Liq. 0.02 in.	Prev. Dir. -	3 hr. Tend. +0.8 mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 25 mi.	Vis. -	Vis. 25 mi.

Sunday, December 29, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 49 °F	Dir. -	Temp 75 °F			
Min. 34 °F	Vel. 0 m.p.h.	Read. 28.96 in.			
Set 36 °F	Char. Calm	Corr. 28.78 in.			
R.H. 90 %	24 hr. Mov. - mi.	Sea L. 30.11 in.	Clds. 10/10 St	Clds. -	Clds. 10/10 Ns
Ppn. Liq. 0.00 in.	Prev. Dir. -	3 hr. Tend. +1.0 mb	Wx -	Wx -	Wx -RA
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 15 mi.	Vis. -	Vis. 5 mi.

Monday, December 30, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.			
Max. 44 °F	Dir. E	Temp 75 °F			
Min. 36 °F	Vel. 3 m.p.h.	Read. 28.35 in.			
Set 44 °F	Char. Light	Corr. 28.23 in.			
R.H. 96 %	24 hr. Mov. - mi.	Sea L. 29.56 in.	Clds. 10/10 Ns	Clds. -	Clds. 10/10 St
Ppn. Liq. 0.40 in.	Prev. Dir. -	3 hr. Tend. -1.0 mb	Wx -	Wx -	Wx -
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KPS	Vis. 4 mi.	Vis. -	Vis. 15 mi.

TUESDAY, DECEMBER 31, 2019 07:00 EST

Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	General Obs.		
Max. 52 °F	Dir. SW	Temp 77 °F	SHRA 0730 - 1100		
Min. 38 °F	Vel. 6 m.p.h.	Read. 28.49 in.	SHRA 2100 - 2300		
Set 38 °F	Char. Light	Corr. 28.36 in.	0700	1300	1900
R.H. 77 %	24 Hr. Mov. - mi.	Sea L. 29.66 in.	Clds. 10/10 sk	Clds.	Clds.
Ppn. Liq. 0.10 in.	Prev. Dir. -	3 Hr. Tend. -0.4 mb	Wx -	Wx	Wx
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KRS	Vis. 15 mi.	Vis. mi.	Vis. mi.

TAVG: 45	TROOF: 38/32	TW: 36
HDD: 20	TUNV: 37/30	Td: 32
ZHDD: 982	NMTS: 52/38/38	
CDD: 0		
XCDD: 0	DEC. TEMPS.	
	\bar{T}_{AMB} : 39.4°F	
	\bar{T}_{MIN} : 26.8°F	
	\bar{T}_{DEC} : 33.10°F + 2.71°	
ZPCNI: 3.05"		
ZPCNS: 2.3"	Date: 12/4/19	