

**Sunday August 1, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 78	Direction 5	78	78	
Minimum 57	Velocity 0	Reading 28.89		
Set 60	Character Calm	Corrected 28.76		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.09	Clouds 3/10	Clouds 7/10
Rel. Humidity 79%	Precip. Solid 0.0	3 hr. Tendency -0.01	Wx BR	Wx ST CU
Precip. Liquid 0.01"	Snow Depth 0	Observer MLC	Visibility (mi) 20-25	Visibility (mi) 10-20mi

**Monday August 2, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 80	Direction SW	77	77	+RA: 1630-1645, +TSRA 1645-1700 -RA: 1710-1740, -DZ 1850-1945
Minimum 58	Velocity 4	Reading 29.02		
Set 59	Character Light	Corrected 28.89		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.23	Clouds 9/10	Clouds 6/10
Rel. Humidity 89%	Precip. Solid 0.0	3 hr. Tendency +0.08	Wx BR	Wx ATCU
Precip. Liquid 0.33"	Snow Depth 0	Observer MLC	Visibility (mi) 20-25	Visibility (mi) 20-25

**Tuesday August 3rd, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 76	Direction -	77	77	
Minimum 54	Velocity 0	Reading 29.02		
Set 59	Character CALM	Corrected 28.88		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.24	Clouds 3/10	Clouds 3/10
Rel. Humidity 84%	Precip. Solid 0.0	3 hr. Tendency +0.68	Wx Wx	Wx Wx
Precip. Liquid 0.0	Snow Depth 0	Observer KWA	Visibility (mi) 20	Visibility (mi) 25

**Wednesday August 4, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 79	Direction -	78	78	
Minimum 57	Velocity 0	Reading 28.98		
Set 60	Character CALM	Corrected 28.84		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.11	Clouds 5c	Clouds 6/10
Rel. Humidity 87%	Precip. Solid 0	3 hr. Tendency +0.14	Wx Wx	Wx Wx
Precip. Liquid 0	Snow Depth 0	Observer NMD	Visibility (mi) 15-20	Visibility (mi) 20

**Thursday August 5, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 80	Direction -	77	77	
Minimum 59	Velocity 0	Reading 29.02		
Set 61	Character Calm	Corrected 28.88		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.21	Clouds 1/10	Clouds 7/10
Rel. Humidity 78%	Precip. Solid 0	3 hr. Tendency +1.02	Wx Wx	Wx Wx
Precip. Liquid 0	Snow Depth 0	Observer HDD	Visibility (mi) 25	Visibility (mi) 25

**Friday August 6, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 83	Direction SE	76	76	
Minimum 61	Velocity 1	Reading 29.54		
Set 65	Character Calm	Corrected 29.42		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.76	Clouds 0/10	Clouds 3/10
Rel. Humidity 84%	Precip. Solid 0	3 hr. Tendency +0.67	Wx Wx	Wx Wx
Precip. Liquid 0	Snow Depth 0	Observer TRD	Visibility (mi) 20	Visibility (mi) 25

**Saturday August 7, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 88	Direction SSW	78	78	
Minimum 65	Velocity 2	Reading 28.98		
Set 69	Character Calm	Corrected 28.84		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.15	Clouds 10/10	Clouds 4/10
Rel. Humidity 79%	Precip. Solid 0	3 hr. Tendency +0.68	Wx Wx	Wx Wx
Precip. Liquid 0	Snow Depth 0	Observer HDD	Visibility (mi) 25	Visibility (mi) 20mi

**Sunday August 8, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 82	Direction S	78	78	
Minimum 65	Velocity 3	Reading 29.04		
Set 69	Character Light	Corrected 28.91		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.22	Clouds 4/10	Clouds 3/10
Rel. Humidity 86%	Precip. Solid 0	3 hr. Tendency +0.05	Wx Wx	Wx Wx
Precip. Liquid 0.0	Snow Depth 0	Observer MLC	Visibility (mi) 15-20	Visibility (mi) 10-20mi

**Monday August 9, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 85	Direction E	79	79	
Minimum 68	Velocity 1	Reading 29.11		
Set 69	Character Weak	Corrected 28.98		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.30	Clouds 5/10	Clouds 2/10
Rel. Humidity 86%	Precip. Solid 0	3 hr. Tendency +0.05	Wx Wx	Wx ATCU
Precip. Liquid 0.11"	Snow Depth 0	Observer MLC	Visibility (mi) 5mi	Visibility (mi) 20-25

**Tuesday August 10th, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	Temperature	General Observations
Maximum 88	Direction -	78	78	
Minimum 71	Velocity 0	Reading 28.98		
Set 74	Character CALM	Corrected 28.84		
Ovnt. Low -	24 hr. Mov. -	Sea Level 30.14	Clouds 6/10	Clouds 9/10
Rel. Humidity 82%	Precip. Solid 0	3 hr. Tendency +0.68	Wx Wx	Wx Wx
Precip. Liquid 0	Snow Depth 0	Observer KWA	Visibility (mi) 10-15	Visibility (mi) 15



**Wednesday August 11, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 86	SW	78	-RA 08:37 - 08:50		
Minimum 71	3	28.92	RA 11:50 - 13:00		
Set 72	Character Light	Corrected 28.78	0700	1300	1900
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.04	Clouds 5c	Clouds 5/10 Sc	Clouds 10/10 Cu
Rel. Humidity 85%	Precip. Solid 0	3 hr. Tendancy +0.01mb	Wx HZ	Wx HZ	Wx -
Precip. Liquid 0.36"	Snow Depth 0	Observer NMD	Visibility (mi) 25	Visibility (mi) 15-20	Visibility (mi) 25

**Friday August 13, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 92	S	78	-TSRA: 2020-2040		
Minimum 68	0	Reading 28.89	-RA: 2150-2250		
Set 70	Character Calm	Corrected 28.76	DZ: 2250-2345		
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.06	-RA: 2345-0035		
Rel. Humidity 87%	Precip. Solid -	3 hr. Tendancy +1.02mb	Wx HZ/FG	Wx -	Wx -
Precip. Liquid 0.01"	Snow Depth -	Observer TBD	Visibility (mi) 2D	Visibility (mi) 25	Visibility (mi)

**Sunday August 15, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 77	NE	78	-DZ 1310-1350		
Minimum 60	3	Reading 29.21	0700	1300	1900
Set 60	Character Light	Corrected 29.08	Clouds 8/10	Clouds 5c	Clouds 9/10
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.13	Wx Sc Cu	Wx Sc Cu	Wx Sc ST Cu
Rel. Humidity 89%	Precip. Solid 0	3 hr. Tendancy +0.5mb	Wx BR	Wx -	Wx HZ
Precip. Liquid 0	Snow Depth 0	Observer MLC	Visibility (mi) 1.6N-SE	Visibility (mi) 6W-SW	Visibility (mi) 25

**Tuesday August 17, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 73	-	77	-SYRA 7:12-12:26		
Minimum 67	0	Reading 29.04	-CNL -SHRA 14:05-17:15		
Set 72	Character CALM	Corrected 28.90	-RA 18:30-21:20		
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.20	RA 22:30-23:45		
Rel. Humidity 91%	Precip. Solid 0	3 hr. Tendancy +1.03mb	+RA 22:45-23:00		
Precip. Liquid 0.34"	Snow Depth 0	Observer KWA	Visibility (mi) 20-25	Visibility (mi) 25	Visibility (mi) 25

**Thursday August 19, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 76	SW	77	RA 10:15-11:15 DZ 17:05-21:55		
Minimum 70	5G17	Reading 28.90	-RA 11:15-13:05 +DZ 21:55-23:45		
Set 72	Character Breezy	Corrected 28.76	+TSRA 13:05-13:55		
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.06	TSRA 13:05-13:55		
Rel. Humidity 85%	Precip. Solid 0	3 hr. Tendancy +1.35mb	RA 15:45-17:05		
Precip. Liquid 1.28"	Snow Depth 0	Observer KWA	Visibility (mi) 25	Visibility (mi) 25	Visibility (mi) 25

**Thursday August 12, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 90	SSW	78	+TSRA: 1525-1555		
Minimum 70	5	Reading 28.92	-SHRA: 2155-2210		
Set 74	Character Breezy	Corrected 28.78	0700	1300	1900
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.08	Clouds 2/10 Cc	Clouds 9/10 Cu	Clouds 10/10 Cb
Rel. Humidity 79%	Precip. Solid 0	3 hr. Tendancy -0mb	Wx HZ	Wx HZ	Wx TS
Precip. Liquid 0.30"	Snow Depth 0	Observer HDD:	Visibility (mi) 25	Visibility (mi) 25	Visibility (mi) 10EVC 25W

**Saturday August 14, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 91	-	77	TSRA 16:29-1642		
Minimum 69	0	Reading 29.02	TSRA 22:22-22:27		
Set 71	Character CALM	Corrected 28.88	+TSRA 22:27-23:22		
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.19	TSRA 23:22-00:05		
Rel. Humidity 90%	Precip. Solid 0	3 hr. Tendancy +1.61mb	Wx low clouds	Wx -	Wx -
Precip. Liquid 0.55"	Snow Depth 0	Observer KWA	Visibility (mi) 15-20	Visibility (mi)	Visibility (mi) 25

**Monday August 16, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 75	ESE	78	-RA 03:10-03:25		
Minimum 67	1	Reading 29.11	-RA 03:15-03:50		
Set 67	Character Weak	Corrected 28.98	+RA 03:50-04:35		
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.30	-RA 06:35-07:50		
Rel. Humidity 76%	Precip. Solid 0	3 hr. Tendancy +0.1mb	Wx slight HZ	Wx cloudy	Wx -RA
Precip. Liquid 0.0	Snow Depth 0	Observer MLC	Visibility (mi) 25	Visibility (mi) 20-25	Visibility (mi) 25

**Wednesday August 18, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 81	ESE	76	-RA 03:10-03:25		
Minimum 68	3	Reading 29.01	-RA 03:15-03:50		
Set 70	Character Light	Corrected 28.88	+RA 03:50-04:35		
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.18	-RA 06:35-07:50		
Rel. Humidity 90%	Precip. Solid 0	3 hr. Tendancy +0.01mb	Wx -DZ	Wx -RA	Wx -
Precip. Liquid 0.86"	Snow Depth 0	Observer NMD	Visibility (mi) 20-25	Visibility (mi) 20-25	Visibility (mi) 20-25

**Friday August 20, 2021** Meteorological Observatory University Park, PA

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 82	WSW	78	-SHRA: 1320-1345		
Minimum 69	2	Reading 28.86	-SHRA: 1950-2005		
Set 69	Character Calm	Corrected 28.72	0700	1300	1900
Ovrt. Low -	24 hr. Mov. -	Sea Level 30.02	Clouds 9/10 Cc	Clouds 9/10 Cb	Clouds 8/10 Cu
Rel. Humidity 93%	Precip. Solid 0	3 hr. Tendancy -0mb	Wx HZ	Wx -	Wx -
Precip. Liquid 0.01"	Snow Depth 0	Observer HDD:	Visibility (mi) 25	Visibility (mi) 25	Visibility (mi) 25

TAVG: 79	T <sub>Roof</sub> : 74/69	T <sub>w</sub> : 70
HDD: 0	T <sub>UNV</sub> : 74/70	T <sub>D</sub> : 68
ΣHDD: 0	MMTS: 84/70/73	
CDD: 14		
ΣCDD: 34		

SPCN <sub>Liq</sub> : 0.70"		
ΣPCN <sub>soli</sub> : 0		Date: 8-11-2021

TAVG: 80	T <sub>Roof</sub> : 74/68	T <sub>w</sub> : 70
HDD: 0	T <sub>UNV</sub> : 72/66	T <sub>D</sub> : 68
ΣHDD: 0	MMTS: 88/69/74	
CDD: 15		
ΣCDD: 99		

SPCN <sub>Liq</sub> : 1.00"		
ΣPCN <sub>soli</sub> : 0		Date: 8/12/2021

TAVG: 80	T <sub>Roof</sub> : 70/66	T <sub>w</sub> : 67
HDD: 0	T <sub>UNV</sub> : 68/68	T <sub>D</sub> : 66
ΣHDD: 0	MMTS: 91/67/69	
CDD: 15		
ΣCDD: 114		

SPCN <sub>Liq</sub> : 1.01"		
ΣPCN <sub>soli</sub> : 0		Date: 8-13-2021

TAVG: 69	T <sub>Roof</sub> : 60/57	T <sub>w</sub> : 60
HDD: 0	T <sub>UNV</sub> : 59/59	T <sub>D</sub> : 59
ΣHDD: 0	MMTS: 76/59/60	
CDD: 4		
ΣCDD: 133		

SPCN <sub>Liq</sub> : 1.56"		
ΣPCN <sub>soli</sub> : 0		Date: 8-15-21

TAVG: 70	T <sub>Roof</sub> : 71/68	T <sub>w</sub> : 70
HDD: 0	T <sub>UNV</sub> : 72/72	T <sub>D</sub> : 69
ΣHDD: 0	MMTS: 111/71	
CDD: 5		
ΣCDD: 141		

SPCN <sub>Liq</sub> : 1.90"		
ΣPCN <sub>soli</sub> : 0		Date: 08/17/2021

TAVG: 73	T <sub>Roof</sub> : 71/67	T <sub>w</sub> : 70
HDD: 0	T <sub>UNV</sub> : 72/68	T <sub>D</sub> : 69
ΣHDD: 0	MMTS: 75/69/71	
CDD: 8		
ΣCDD: 159		

SPCN <sub>Liq</sub> : 4.04"		
ΣPCN <sub>soli</sub> : 0		Date: 08-19-2021

TAVG: 80	T <sub>Roof</sub> : 67/59	T <sub>w</sub> : 63
HDD: 0	T <sub>UNV</sub> : 66/59	T <sub>D</sub> : 60
ΣHDD: 0	MMTS: 73/60/66	
CDD: 3		
ΣCDD: 136		

SPCN <sub>Liq</sub> : 1.56"		
ΣPCN <sub>soli</sub> : 0		Date: 08/14/2021

TAVG: 75	T <sub>Roof</sub> : 70/68	T <sub>w</sub> : 70
HDD: 0	T <sub>UNV</sub> : 70/70	T <sub>D</sub> : 68
ΣHDD: 0	MMTS: 80/69/70	
CDD: 10		
ΣCDD: 151		

SPCN <sub>Liq</sub> : 2.76"		
ΣPCN <sub>soli</sub> : 0		Date: 8-18-2021

TAVG: 76	T <sub>Roof</sub> : 68/66	T <sub>w</sub> : 68
HDD: 0	T <sub>UNV</sub> : 68/68	T <sub>D</sub> : 68
ΣHDD: 0	MMTS: 80/68/68	
CDD: 11		
ΣCDD: 170		

SPCN <sub>Liq</sub> : 4.05"		
ΣPCN <sub>soli</sub> : 0		Date: 8-20-2021

**Saturday August 21, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 82	Direction —	Temperature 76	-SHRA 13:45-13:50 -SHRA 18:15-18:35 TS: 17:33-18:15 FG: 02:30-08:00		
Minimum 66	Velocity 0	Reading 28.82			
Set 67	Character Calm	Corrected 28.68	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 29.99	Clouds 6/10 Wx Ci	Clouds —	Clouds 8/10 Wx Cu, Ci, St
Rel. Humidity 97%	Precip. Solid 0	3 hr. Tendency +0.34 mb	Wx FG	Wx —	Wx —
Precip. Liquid T	Snow Depth 0	Observer MPZ	Visibility (mi) 1-3 mi	Visibility (mi) —	Visibility (mi) 25

**Sunday August 22, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 86	Direction —	Temperature 78	DZ 1050-1120		
Minimum 67	Velocity 0	Reading 28.85			
Set 70	Character Calm	Corrected 28.72	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.02	Clouds 9/10 Wx Str, low Cu	Clouds —	Clouds 9/10 Wx Str, Cir, Str
Rel. Humidity 95%	Precip. Solid 0	3 hr. Tendency +0.29 mb	Wx Br	Wx —	Wx —
Precip. Liquid T	Snow Depth 0	Observer MCC	Visibility (mi) 10-15	Visibility (mi) —	Visibility (mi) 20

**Monday August 23, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 80	Direction SW	Temperature 79	-RA, DZ 1600-1800 LT		
Minimum 69	Velocity 2	Reading 28.19			
Set 72	Character 19kt	Corrected 28.05	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 29.95	Clouds 5/10 Wx Strata	Clouds 3/10 Wx Cumu	Clouds 4/10 Wx Cu, Ci, St
Rel. Humidity 90%	Precip. Solid —	3 hr. Tendency +1.4	Wx —	Wx —	Wx HZ
Precip. Liquid 0.04	Snow Depth —	Observer D0	Visibility (mi) 15	Visibility (mi) 20	Visibility (mi) 20-25

**Tuesday August 24, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 88	Direction NW	Temperature 79			
Minimum 69	Velocity 1	Reading 29.00			
Set 70	Character Weak	Corrected 28.87	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.18	Clouds 1/10 Wx Cu	Clouds —	Clouds 4/10 Wx Cu, St
Rel. Humidity 86%	Precip. Solid 0	3 hr. Tendency +0.04 mb	Wx HZ	Wx —	Wx -HZ NE
Precip. Liquid 0.0	Snow Depth 0	Observer MCC	Visibility (mi) 5 NE-SE 10 S-W	Visibility (mi) —	Visibility (mi) 20 V25

**Wednesday August 25, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 89	Direction SSW	Temperature 79			
Minimum 66	Velocity 1	Reading 28.99			
Set 68	Character V.LIGHT	Corrected 28.85	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.16	Clouds 6/10 Wx Cu, Ci, As	Clouds 3/10 Wx Cu, Ci, St	Clouds 4/10 Wx Cu, Ci
Rel. Humidity 81%	Precip. Solid 0.0"	3 hr. Tendency +0.2 mb	Wx Valley Fog Wx NE	Wx —	Wx —
Precip. Liquid 0.00"	Snow Depth 0"	Observer CWT/ME	Visibility (mi) 12 V25	Visibility (mi) 25	Visibility (mi) 17 V25

**Thursday August 26, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 90	Direction WSW	Temperature 80			
Minimum 68	Velocity 3	Reading 29.05			
Set 72	Character LIGHT	Corrected 28.90	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.20	Clouds 3/10 Wx Cu, Ac	Clouds 2/10 Wx Cu	Clouds 6/10 Wx Cu
Rel. Humidity 91%	Precip. Solid —	3 hr. Tendency +1.4 mb	Wx Valley Fog Wx HZ	Wx HZ	Wx —
Precip. Liquid —	Snow Depth —	Observer MPZ	Visibility (mi) 25	Visibility (mi) 20	Visibility (mi) 25

**Friday August 27, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 90	Direction —	Temperature 80	TS: 2100-2105 TS&RA: 2105-2110 -RA: 2130-2220 RA: 2220-2250 02:2250-0050 TS		
Minimum 69	Velocity 0	Reading 29.05			
Set 70	Character Calm	Corrected 28.92	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.23	Clouds 10/10 Wx Cu	Clouds 6/10 Wx Sc	Clouds 8/10 Wx Cu, Ci
Rel. Humidity 97%	Precip. Solid 0	3 hr. Tendency +0.67 mb	Wx FG	Wx HZ	Wx Valley Fog
Precip. Liquid 0.04"	Snow Depth 0	Observer TRD/KVZ	Visibility (mi) 1.6	Visibility (mi) 15-20	Visibility (mi) 15-20

**Saturday August 28, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 88	Direction —	Temperature 80	-TSRA: 1650-1710 -RA: 1830-1915 TSRA: 1710-1730 -RA: 2130-2225 +TSRA: 1730-1735 TSRA: 1735-1830		
Minimum 69	Velocity 0	Reading 29.06			
Set 70	Character Calm	Corrected 28.91	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.22	Clouds 10/10 Wx St	Clouds —	Clouds 10/10 Wx Sc
Rel. Humidity 98%	Precip. Solid 0	3 hr. Tendency +1.0 mb	Wx FG	Wx —	Wx —
Precip. Liquid 0.0"	Snow Depth 0	Observer MPZ	Visibility (mi) 1.1	Visibility (mi) —	Visibility (mi) 25

**Sunday August 29, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 88	Direction ESE	Temperature 80	TS: 1545-1630 -TSRA: 1630-1700 -RA: 1700-1750		
Minimum 70	Velocity 1	Reading 29.10			
Set 71	Character Calm	Corrected 28.95	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.26	Clouds 10/10 Wx Sc	Clouds —	Clouds 10/10 Wx St
Rel. Humidity 90%	Precip. Solid 0	3 hr. Tendency +1.02 mb	Wx FG	Wx —	Wx RA
Precip. Liquid 0.06"	Snow Depth 0	Observer HDD	Visibility (mi) 7 Var	Visibility (mi) —	Visibility (mi) 10-15

**Monday August 30, 2021** Meteorological Observations  
 University Park, PA  
 0700 EST

Temp. (°F)	Wind (mph)	Barom. (in.Hg)	General Observations		
Maximum 77	Direction SW	Temperature 79	-SHRA, Occl TSRA 1857-2130		
Minimum 66	Velocity 3 mph	Reading 29.0			
Set 68	Character LT	Corrected 29.14	0700	1300	1900
Ovrt. Low —	24 hr. Mov. —	Sea Level 30.5	Clouds 8/10 Wx Strata	Clouds 8/10 Wx Sc	Clouds 6/10 Wx Cu, Ci
Rel. Humidity 95%	Precip. Solid 0	3 hr. Tendency -0.7	Wx —	Wx —	Wx HZ
Precip. Liquid -0.08 in	Snow Depth 0	Observer D.O.	Visibility (mi) 20 mi	Visibility (mi) 20	Visibility (mi) 20-25

TAVG:	74	T <sub>Roof</sub> :	66/64	T <sub>w</sub> :	66
HDD:	0	T <sub>UNV</sub> :	66/66	T <sub>D</sub> :	66
ΣHDD:	0	MMTS:	81/64/65		
CDD:	9				
ΣCDD:	179				
ΣPCN <sub>Liq</sub> :	4.05"				
ΣPCN <sub>sol</sub> :	0	Date:	08-21-2021		

TAVG:	75	T <sub>Roof</sub> :	71/68	T <sub>w</sub> :	70
HDD:	0	T <sub>UNV</sub> :	73/70	T <sub>D</sub> :	69
ΣHDD:	0	MMTS:	79/71/71		
CDD:	10				
ΣCDD:	201				
ΣPCN <sub>Liq</sub> :	4.09"				
ΣPCN <sub>sol</sub> :	0	Date:	23 Aug 2021		

TAVG:	78	T <sub>Roof</sub> :	67/64	T <sub>w</sub> :	65
HDD:	0	T <sub>UNV</sub> :	68/68	T <sub>D</sub> :	63
ΣHDD:	0	MMTS:	86/65/68		
CDD:	13				
ΣCDD:	228				
ΣPCN <sub>Liq</sub> :	4.09"				
ΣPCN <sub>sol</sub> :	0.0"	Date:	8/25/2021		

TAVG:	80	T <sub>Roof</sub> :	69/67	T <sub>w</sub> :	69
HDD:	0	T <sub>UNV</sub> :	70/70	T <sub>D</sub> :	69
ΣHDD:	0	MMTS:	88/68/69		
CDD:	15				
ΣCDD:	257				
ΣPCN <sub>Liq</sub> :	4.13"				
ΣPCN <sub>sol</sub> :	0.0"	Date:	8-27-2021		

TAVG:	79	T <sub>Roof</sub> :	70/67	T <sub>w</sub> :	69
HDD:	0	T <sub>UNV</sub> :	70/70	T <sub>D</sub> :	68
ΣHDD:	0	MMTS:	85/69/69		
CDD:	14				
ΣCDD:	285				
ΣPCN <sub>Liq</sub> :	4.79"				
ΣPCN <sub>sol</sub> :	0	Date:	8-29-2021		

TAVG:	77	T <sub>Roof</sub> :	68/66	T <sub>w</sub> :	69
HDD:	0	T <sub>UNV</sub> :	68/68	T <sub>D</sub> :	69
ΣHDD:	0	MMTS:	84/65/68		
CDD:	12				
ΣCDD:	191				
ΣPCN <sub>Liq</sub> :	4.05"				
ΣPCN <sub>sol</sub> :	0	Date:	8-22-2021		

TAVG:	79	T <sub>Roof</sub> :	69/66	T <sub>w</sub> :	68
HDD:	0	T <sub>UNV</sub> :	70/68	T <sub>D</sub> :	67
ΣHDD:	0	MMTS:	87/68/68		
CDD:	14				
ΣCDD:	215				
ΣPCN <sub>Liq</sub> :	4.09"				
ΣPCN <sub>sol</sub> :	0	Date:	8-24-2021		

TAVG:	79	T <sub>Roof</sub> :	72/68	T <sub>w</sub> :	70
HDD:	0	T <sub>UNV</sub> :	70/70	T <sub>D</sub> :	69
ΣHDD:	0	MMTS:	87/68/72		
CDD:	14				
ΣCDD:	242				
ΣPCN <sub>Liq</sub> :	4.09"				
ΣPCN <sub>sol</sub> :	0.0"	Date:	8/26/2021		

TAVG:	79	T <sub>Roof</sub> :	69/67	T <sub>w</sub> :	70
HDD:	0	T <sub>UNV</sub> :	70/70	T <sub>D</sub> :	63
ΣHDD:	0	MMTS:	89/69/69		
CDD:	19				
ΣCDD:	271				
ΣPCN <sub>Liq</sub> :	4.73"				
ΣPCN <sub>sol</sub> :	0.0"	Date:	8/28/2021		

TAVG:	72	T <sub>Roof</sub> :	67/65	T <sub>w</sub> :	69
HDD:	0	T <sub>UNV</sub> :	68/68	T <sub>D</sub> :	68
ΣHDD:	0	MMTS:	76/65/66		
CDD:	7				
ΣCDD:	292				
ΣPCN <sub>Liq</sub> :	4.87				
ΣPCN <sub>sol</sub> :	0	Date:	Aug 30, 2021		

Meteorological Observatory  
University Park, PA

Tuesday August 31, 2021  
0700 EST

General Observations

-SHRA 1410 - 1440

Temp. (°F)	Wind (mph)	Barom. (in.Hg)			
Maximum 83	Direction W	79			
Minimum 65	Velocity 1	Reading 28.83			
Set 67	Character Weak	Corrected 28.70	0700	1300	1900
Ovrl. Low -	24 hr. Mov. -	Sea Level 30.01	Clouds 10/10 ST 5/10 CU C1/C5/ST	Clouds 8/10 5c	Clouds 10/10 5t NS
Rel. Humidity 85%	Precip. Solid 0	3 hr. Tendency +0.4	Wx Br	Wx	Wx -RA
Precip. Liquid T	Snow Depth 0	Observer MCC	Visibility (mi) 25 mi	Visibility (mi) 20	Visibility (mi) 15/20

TAVG: 74	T <sub>soil</sub> : 66/63	T <sub>w</sub> : 66
HDD: 0	T <sub>UNV</sub> : 64/64	T <sub>D</sub> : 65
ΣHDD: 0	MMTS: 81/M/66	
CDD: 9		
ΣCDD: 301	Avg. REMPS	
	$\bar{T}_{max} : 83.4^{\circ}F$	
	$\bar{T}_{min} : 65.5^{\circ}F$	
	$\bar{T}_{avg} : 74.49^{\circ}F (+ 4.75)$	
ΣPCN <sub>Liq</sub> : 4.87"		
ΣPCN <sub>soil</sub> : 0		Date: 31-Aug-2021