

Monday, July 1, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 81 °F	Dir. N	Temp 75 °F	Read.	Clds. C	Clds. Ci	Clds. Ci
Min. 56 °F	Vel. 1 m.p.h.	Read. 28.99 in.	Corr.	Wx 3/10	Wx 410 Cu	Wx 2/10 Ci
Set	Char. 1	Corr.	Observer	Vis. —	Vis. —	Vis. —
62 °F	light	28.86 in.	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
R.H. 75 %	24 hr. Mov. — mi.	Sea L. 36.19 in.				
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 0.5mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Tuesday, July 2, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 80 °F	Dir. SW	Temp 76 °F	Read.	Clds. Sc	Clds. Cu	Clds. Cu
Min. 61 °F	Vel. 3 m.p.h.	Read. 28.68 in.	Corr.	Wx 1/10 Ci	Wx 7/10	Wx 7/10 Cu
Set	Char. 3	Corr.	Observer	Vis. —	Vis. —	Vis. —
70 °F	light	28.57 in.	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
R.H. 73 %	24 hr. Mov. — mi.	Sea L. 29.93 in.				
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -0.05 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Wednesday, July 3, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 87 °F	Dir. SW	Temp 76 °F	Read.	Clds. Sc	Clds. Sc	Clds. Ci
Min. 69 °F	Vel. 5 m.p.h.	Read. 28.76 in.	Corr.	Wx 9/10 ASbc	Wx 9/10 ASbc	Wx 3/10 Cu
Set	Char. 5	Corr.	Observer	Vis. —	Vis. —	Vis. —
70 °F	light	28.62 in.	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
R.H. 83 %	24 hr. Mov. — mi.	Sea L. 29.92 in.				
Ppn. Liq. 0.12 in.	Prev. Dir. —	3 hr. Tend. +1.5 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Thursday, July 4, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 81 °F	Dir. ENE	Temp 76 °F	Read.	Clds. Sc	Clds. Sc	Clds. Cu
Min. 69 °F	Vel. 0 m.p.h.	Read. 28.95 in.	Corr.	Wx 9/10 St	Wx 9/10 St	Wx 9/10 ASst
Set	Char. 0	Corr.	Observer	Vis. —	Vis. —	Vis. —
70 °F	Calm	28.81 in.	Observer	Vis. 0.5 mi.	Vis. 0.5 mi.	Vis. 25 mi.
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.12 in.				
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 1.15 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Friday, July 5, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 87 °F	Dir. SSE	Temp 76 °F	Read.	Clds. St	Clds. Cu	Clds. Ci
Min. 70 °F	Vel. 3 m.p.h.	Read. 28.87 in.	Corr.	Wx 10/10 Ci	Wx 6/10 Cu	Wx 4/10 Cu
Set	Char. 3	Corr.	Observer	Vis. —	Vis. —	Vis. —
75 °F	light	28.73 in.	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
R.H. 82 %	24 hr. Mov. — mi.	Sea L. 30.04 in.				
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. -1.1 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Saturday, July 6, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 86 °F	Dir. SW	Temp 76 °F	Read.	Clds. St	Clds. Sc	Clds. ASst
Min. 69 °F	Vel. 4 m.p.h.	Read. 28.91 in.	Corr.	Wx 10/10 St	Wx 10/10 St	Wx 9/10 ASst
Set	Char. 4	Corr.	Observer	Vis. —	Vis. —	Vis. —
70 °F	light	28.77 in.	Observer	Vis. 1 mi.	Vis. 1 mi.	Vis. 25 mi.
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 30.08 in.				
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. -0.05 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Sunday, July 7, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 87 °F	Dir. N	Temp 76 °F	Read.	Clds. St	Clds. Ci	Clds. St
Min. 69 °F	Vel. 3 m.p.h.	Read. 28.79 in.	Corr.	Wx 9/10 St	Wx 10/10	Wx 10/10 St
Set	Char. 3	Corr.	Observer	Vis. —	Vis. —	Vis. —
72 °F	light	28.65 in.	Observer	Vis. 17 mi.	Vis. 15 mi.	Vis. 15 mi.
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 29.94 in.				
Ppn. Liq. 0.32 in.	Prev. Dir. —	3 hr. Tend. +0.5 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Monday, July 8, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 80 °F	Dir. N	Temp 75 °F	Read.	Clds. St	Clds. St	Clds. St
Min. 63 °F	Vel. 5 m.p.h.	Read. 28.72 in.	Corr.	Wx 10/10	Wx 10/10	Wx 6/10 St
Set	Char. 5	Corr.	Observer	Vis. —	Vis. —	Vis. —
64 °F	light	28.59 in.	Observer	Vis. 5 mi.	Vis. 5 mi.	Vis. 25 mi.
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 29.96 in.				
Ppn. Liq. 0.50 in.	Prev. Dir. —	3 hr. Tend. 1.0 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

Tuesday, July 9, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 72 °F	Dir. S	Temp 76 °F	Read.	Clds. Sc	Clds. Cu	Clds. Cu
Min. 62 °F	Vel. 1 m.p.h.	Read. 28.85 in.	Corr.	Wx 10/10 St	Clds. Cu	Clds. Cu
Set	Char. 1	Corr.	Observer	Vis. —	Vis. —	Vis. —
66 °F	light	28.71 in.	Observer	Vis. 0.5 mi.	Vis. 25 mi.	Vis. 25 mi.
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 30.02 in.				
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. +0.5 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0.0 in.	Observer				
		Observer				

Wednesday, July 10, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.	Temp	0700	1300	1900
Max. 81 °F	Dir. E	Temp 75 °F	Read.	Clds. St	Clds. Cu	Clds. St
Min. 65 °F	Vel. 1 m.p.h.	Read. 28.82 in.	Corr.	Wx 1/10 Ci	Clds. Cu	Clds. St
Set	Char. 1	Corr.	Observer	Vis. —	Vis. —	Vis. —
69 °F	light	28.69 in.	Observer	Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 29.99 in.				
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 0.0 mb				
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer				
		Observer				

TAVG: 69	TRNOF: 62/65	TW: 57
HDD: 0	TUNV: 61/64	To: 54
ZHDD: 0	MMTS: 80/M/M	
CDD: 4		
ZCDD: 4		
ZPCNL: 0.06"		
ZPCNS: 0.0"		Date: 7/11/19

TAVG: 71	TRNOF: 70/62	TW: 64
HDD: 0	TUNV: 66/61	To: 61
ZHDD: 0	MMTS: 79/M/69	
CDD: 6		
ZCDD: 10		
ZPCNL: 0.00"		
ZPCNS: 0.0"		Date: 7/2/19

TAVG: 78	TRNOF: 69/65	TW: 67
HDD: 0	TUNV: 68/66	To: 66
ZHDD: 0	MMTS: 86/68/69	
CDD: 13		
ZCDD: 23		
ZPCNL: 0.12"		
ZPCNS: 0.0"		Date: 7/13/19

TAVG: 75	TRNOF: 69/66	TW: 68
HDD: 0	TUNV: 68/68	To: 67
ZHDD: 0	MMTS: 81/67/68	
CDD: 10		
ZCDD: 33		
ZPCNL: 0.12"		
ZPCNS: 0.0"		Date: 7/4/19

TAVG: 79	TRNOF: 74/69	TW: 71
HDD: 0	TUNV: 72/72	To: 69
ZHDD: 0	MMTS: 86/68/74	
CDD: 14		
ZCDD: 47		
ZPCNL: 0.12"		
ZPCNS: 0.0		Date: 7/5/19

TAVG: 78	TRNOF: 68/66	TW: 69
HDD: 0	TUNV: 68/68	To: 69
ZHDD: 0	MMTS: 86/68/68	
CDD: 13		
ZCDD: 60		
ZPCNL: 0.12"		
ZPCNS: 0.0"		Date: 7/6/19

TAVG: 78	TRNOF: 72/69	TW: 70
HDD: 0	TUNV: 72/70	To: 69
ZHDD: 0	MMTS: 85/68/71	
CDD: 13		
ZCDD: 73		
ZPCNL: 0.44"		
ZPCNS: 0.0"		Date: 7/7/19

TAVG: 72	TRNOF: 63/66	TW: 62
HDD: 0	TUNV: 63/63	To: 61
ZHDD: 0	MMTS: 79/62/63	
CDD: 7		
ZCDD: 80		
ZPCNL: 0.94"		
ZPCNS: 0.0"		Date: 7/8/19

TAVG: 67	TRNOF: 64/62	TW: 65
HDD: 0	TUNV: 64/64	To: 64
ZHDD: 0	MMTS: 71/61/64	
CDD: 2		
ZCDD: 82		
ZPCNL: 0.96"		
ZPCNS: 0.0"		Date: 7/9/19

TAVG: 73	TRNOF: 70/65	TW: 66
HDD: 0	TUNV: 64/64	To: 64
ZHDD: 0	MMTS: 81/64/69	
CDD: 8		
ZCDD: 90		
ZPCNL: 0.96"		
ZPCNS: 0.0"		Date: 7/10/19

Thursday, July 11, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 87 °F	Dir. W	Temp 77 °F	*DUNT LOW 72		
Min. 69 °F	Vel. 4 m.p.h.	Read. 28.84 in.			
Set	Char.	Corr.			
74 °F	Light	28.70 in.	0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds. St	Clds. 10/10 Cu	Clds. 11/10 Cu
90 %	mi.	29.99 in.	6/10 Cu	10/10 Cu	4/10 Ci
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx -RA	Wx
0.00 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 20 mi.	Vis. 17 mi.	Vis. 25 mi.
0.0 in.	0 in.	SAS			

Friday, July 12, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 78 °F	Dir. WSW	Temp 76 °F	1100-1530 -RA		
Min. 67 °F	Vel. 7 m.p.h.	Read. 28.59 in.			
Set	Char.	Corr.			
70 °F	Steady	28.45 in.	0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds. Cu	Clds. 5/10 Cu	Clds. Cu
87 %	mi.	29.76 in.	3/10 Cu	5/10 Cu	1/10 Cu
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.03 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 25 vis 3W	Vis. 25 mi.	Vis. 25 mi.
0.0 in.	0 in.	DSM			

Saturday, July 13, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 80 °F	Dir. W	Temp 76 °F			
Min. 59 °F	Vel. 1 m.p.h.	Read. 28.92 in.			
Set	Char.	Corr.			
64 °F	Light	28.78 in.	0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds.	Clds.	Clds.
84 %	mi.	30.10 in.	0/10	—	1/10 Ci
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.00 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
0.0 in.	0 in.	SAS			

Sunday, July 14, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 85 °F	Dir. W	Temp 77 °F			
Min. 64 °F	Vel. 6 m.p.h.	Read. 28.87 in.			
Set	Char.	Corr.			
74 °F	Light	28.73 in.	DUNT LOW: 70		
R.H.	24 hr. Mov.	Sea L.	Clds. Ci	Clds.	Clds.
71 %	mi.	30.02 in.	7/10 Altkr.	—	2/10
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.00 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
0.0 in.	0 in.	KP			

Monday, July 15, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 83 °F	Dir. SW	Temp 76 °F			
Min. 59 °F	Vel. 2 m.p.h.	Read. 28.98 in.			
Set	Char.	Corr.			
64 °F	Light	28.84 in.	0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds. Ci	Clds. Ci	Clds. Ci
81 %	mi.	30.16 in.	2/10	3/10 Cu	3/10 Ci
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.00 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.
0.0 in.	0 in.	LC5			

Tuesday, July 16, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 82 °F	Dir. S	Temp 76 °F			
Min. 63 °F	Vel. 4 m.p.h.	Read. 28.87 in.			
Set	Char.	Corr.			
69 °F	Light	28.73 in.	0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds. Altkr	Clds. St	Clds. Altkr.
76 %	mi.	30.03 in.	5/10 Ci	10/10 Cu	9/10 Altkr.
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.00 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 25 mi.	Vis. 15 mi.	Vis. 25 mi.
0.0 in.	0 in.	DSM			

Wednesday, July 17, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 84 °F	Dir. SSW	Temp 77 °F	1115-1500 RA TS		
Min. 69 °F	Vel. 2 m.p.h.	Read. 28.84 in.	** CONSTRUCTION EQUIPMENT SKATEL, MTR XEM, TWO HED, USED UN/KROGAP TVE.		
Set	Char.	Corr.			
75 °F	Light	28.70 in.	*DUNT LOW: 71		
R.H.	24 hr. Mov.	Sea L.	Clds. Ci	Clds. Ci	Clds. St
82 %	mi.	29.99 in.	8/10 Altkr.	7/10 Altkr.	10/10 St
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx -RA
0.01 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 25 mi.	Vis. 25 mi.	Vis. 5 mi.
0.0 in.	0 in.	KP			

Thursday, July 18, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 87 °F	Dir. SW	Temp 76 °F	1330-1345 TRRA		
Min. 72 °F	Vel. 0 m.p.h.	Read. 28.83 in.	1400-1500 RA		
Set	Char.	Corr.	1715-1800 RA		
73 °F	Calm	28.69 in.	1900-2000 -RA		
R.H.	24 hr. Mov.	Sea L.	Clds. Cu	Clds. St	Clds. Ci
97 %	mi.	29.99 in.	9/10	4/10 Cu	2/10 Ci
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.81 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 0.5 mi.	Vis. 25 mi.	Vis. 25 mi.
0.0 in.	0 in.	SAS			

Friday, July 19, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 86 °F	Dir. SSW	Temp 76 °F			
Min. 70 °F	Vel. 6 m.p.h.	Read. 28.71 in.			
Set	Char.	Corr.			
76 °F	Light	28.57 in.	0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds. 0/10	Clds. 4/10 Cu	Clds. Ci
88 %	mi.	29.85 in.	—	4/10 Cu	4/10 Cu
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
0.00 in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 20 mi.	Vis. 20 mi.	Vis. 20 mi.
0.0 in.	0 in.	DSM			

Saturday, July 20, 2019 0700 EST Meteorological Observatory University Park, PA General Obs.

Temp.	Wind	Barom.			
Max. 89 °F	Dir. WNW	Temp 77 °F	2200-2230 -RA		
Min. 72 °F	Vel. 5 m.p.h.	Read. 28.87 in.	0515-0530 -D2		
Set	Char.	Corr.			
76 °F	Light	28.73 in.	0700	1300	1900
R.H.	24 hr. Mov.	Sea L.	Clds. Ci	Clds.	Clds. Altkr.
87 %	mi.	30.02 in.	6/10 Cu	—	3/10 Altkr.
Ppn. Liq.	Prev. Dir.	3 hr. Tend.	Wx	Wx	Wx
T in.	—	—	—	—	—
Ppn. Sol.	Snow Depth	Observer	Vis. 15 mi.	Vis. 25 mi.	Vis. 25 mi.
0.0 in.	0 in.	SAS			

TAVG: 78 TROOF: 73/69 TW: 71
HDD: 0 TUNV: 70/70 TD: 70
ZHDD: 0 MMTS: 86/63/73
CDD: 13
XCDD: 103
SPCNI: 0.96"
SPCNS: 0.0" Date: 7/11/19

TAVG: 73 TROOF: 70/65 TW: 67
HDD: 0 TUNV: 70/66 TD: 66
ZHDD: 0 MMTS: 78/66/70
CDD: 8
XCDD: 111
SPCNI: 0.94"
SPCNS: 0.0" Date: 7/12/19

TAVG: 70 TROOF: 64/59 TW: 61
HDD: 0 TUNV: 59/57 TD: 59
ZHDD: 0 MMTS: 80/56/63
CDD: 5
XCDD: 116
SPCNI: 0.94"
SPCNS: 0.0" Date: 7/13/19

TAVG: 75 TROOF: 73/64 TW: 64
HDD: 0 TUNV: 73/64 TD: 64
ZHDD: 0 MMTS: 84/63/73
CDD: 10
XCDD: 126
SPCNI: 0.94"
SPCNS: 0.0" Date: 7/14/19

TAVG: 71 TROOF: 63/57 TW: 60
HDD: 0 TUNV: 61/57 TD: 58
ZHDD: 0 MMTS: 82/58/63
CDD: 6
XCDD: 132
SPCNI: 0.94"
SPCNS: 0.0" Date: 7/15/19

TAVG: 73 TROOF: 68/61 TW: 64
HDD: 0 TUNV: 68/61 TD: 61
ZHDD: 0 MMTS: 82/62/67
CDD: 8
XCDD: 140
SPCNI: 0.94"
SPCNS: 0.0" Date: 07/16/19

TAVG: 77 TROOF: 75/68 TW: 71
HDD: 0 TUNV: 73/68 TD: 69
ZHDD: 0 MMTS: 86/67/74
CDD: 12
XCDD: 152
SPCNI: 1.00"
SPCNS: 0.0" Date: 7/17/19

TAVG: 80 TROOF: 71/70 TW: 72
HDD: 0 TUNV: TD: 72
ZHDD: 0 MMTS: 86/70/71
CDD: 15
XCDD: 167
SPCNI: 1.81"
SPCNS: 0.0" Date: 7/18/19

TAVG: 78 TROOF: 76/71 TW: 73
HDD: 0 TUNV: 73/70 TD: 72
ZHDD: 0 MMTS: 86/71/75
CDD: 13
XCDD: 180
SPCNI: 1.81"
SPCNS: 0.0" Date: 7/19/19

TAVG: 81 TROOF: 75/70 TW: 73
HDD: 0 TUNV: 75/70 TD: 72
ZHDD: 0 MMTS: 89/71/75
CDD: 16
XCDD: 196
SPCNI: 1.81"
SPCNS: 0.0" Date: 7/20/19

Sunday, July 21, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 91 °F	W	77 °F	77 °F	W	77 °F	77 °F	77 °F
Min. 70 °F	Vel. 7 m.p.h.	Read. 28.77 in.	Read. 28.77 in.	Vel. 7 m.p.h.	Read. 28.77 in.	Read. 28.77 in.	Read. 28.77 in.
Set 60 °F	Char. Breezy	Corr. 28.103 in.	Corr. 28.103 in.	Char. Breezy	Corr. 28.103 in.	Corr. 28.103 in.	Corr. 28.103 in.
R.H. 85 %	24 hr. Mov. — mi.	Sea L. 29.90 in.	Sea L. 29.90 in.	24 hr. Mov. — mi.	Sea L. 29.90 in.	Sea L. 29.90 in.	Sea L. 29.90 in.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 4.0 mb	3 hr. Tend. 4.0 mb	Prev. Dir. —	3 hr. Tend. 4.0 mb	3 hr. Tend. 4.0 mb	3 hr. Tend. 4.0 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KP	Observer KP	Snow Depth 0 in.	Observer KP	Observer KP	Observer KP
		Vis. 25 mi.	Vis. 25 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Monday, July 22, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 91 °F	SSW	77 °F	77 °F	SSW	77 °F	77 °F	77 °F
Min. 70 °F	Vel. 4 m.p.h.	Read. 28.62 in.	Read. 28.62 in.	Vel. 4 m.p.h.	Read. 28.62 in.	Read. 28.62 in.	Read. 28.62 in.
Set 71 °F	Char. light	Corr. 28.48 in.	Corr. 28.48 in.	Char. light	Corr. 28.48 in.	Corr. 28.48 in.	Corr. 28.48 in.
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 29.78 in.	Sea L. 29.78 in.	24 hr. Mov. — mi.	Sea L. 29.78 in.	Sea L. 29.78 in.	Sea L. 29.78 in.
Ppn. Liq. 0.36 in.	Prev. Dir. —	3 hr. Tend. 1.0 mb	3 hr. Tend. 1.0 mb	Prev. Dir. —	3 hr. Tend. 1.0 mb	3 hr. Tend. 1.0 mb	3 hr. Tend. 1.0 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer LCS	Observer LCS	Snow Depth 0 in.	Observer LCS	Observer LCS	Observer LCS
		Vis. 15 mi.	Vis. 15 mi.		Vis. 15 mi.	Vis. 15 mi.	Vis. 15 mi.

Tuesday, July 23, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 77 °F	NW	76 °F	76 °F	NW	76 °F	76 °F	76 °F
Min. 64 °F	Vel. 2 m.p.h.	Read. 28.66 in.	Read. 28.66 in.	Vel. 2 m.p.h.	Read. 28.66 in.	Read. 28.66 in.	Read. 28.66 in.
Set 60 °F	Char. light	Corr. 28.52 in.	Corr. 28.52 in.	Char. light	Corr. 28.52 in.	Corr. 28.52 in.	Corr. 28.52 in.
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 29.82 in.	Sea L. 29.82 in.	24 hr. Mov. — mi.	Sea L. 29.82 in.	Sea L. 29.82 in.	Sea L. 29.82 in.
Ppn. Liq. 0.11 in.	Prev. Dir. —	3 hr. Tend. 4.15 mb	3 hr. Tend. 4.15 mb	Prev. Dir. —	3 hr. Tend. 4.15 mb	3 hr. Tend. 4.15 mb	3 hr. Tend. 4.15 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer DJM	Observer DJM	Snow Depth 0 in.	Observer DJM	Observer DJM	Observer DJM
		Vis. 25 mi.	Vis. 25 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Wednesday, July 24, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 75 °F	NNW	76 °F	76 °F	NNW	76 °F	76 °F	76 °F
Min. 58 °F	Vel. 1 m.p.h.	Read. 28.90 in.	Read. 28.90 in.	Vel. 1 m.p.h.	Read. 28.90 in.	Read. 28.90 in.	Read. 28.90 in.
Set 62 °F	Char. light	Corr. 28.76 in.	Corr. 28.76 in.	Char. light	Corr. 28.76 in.	Corr. 28.76 in.	Corr. 28.76 in.
R.H. 91 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	Sea L. 30.09 in.	24 hr. Mov. — mi.	Sea L. 30.09 in.	Sea L. 30.09 in.	Sea L. 30.09 in.
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb	Prev. Dir. —	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KP	Observer KP	Snow Depth 0 in.	Observer KP	Observer KP	Observer KP
		Vis. 25 mi.	Vis. 25 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Thursday, July 25, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 78 °F	NNE	74 °F	74 °F	NNE	74 °F	74 °F	74 °F
Min. 56 °F	Vel. 0 m.p.h.	Read. 29.07 in.	Read. 29.07 in.	Vel. 0 m.p.h.	Read. 29.07 in.	Read. 29.07 in.	Read. 29.07 in.
Set 60 °F	Char. Calm	Corr. 28.94 in.	Corr. 28.94 in.	Char. Calm	Corr. 28.94 in.	Corr. 28.94 in.	Corr. 28.94 in.
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.28 in.	Sea L. 30.28 in.	24 hr. Mov. — mi.	Sea L. 30.28 in.	Sea L. 30.28 in.	Sea L. 30.28 in.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 4.20 mb	3 hr. Tend. 4.20 mb	Prev. Dir. —	3 hr. Tend. 4.20 mb	3 hr. Tend. 4.20 mb	3 hr. Tend. 4.20 mb
Ppn. Sol. 6.0 in.	Snow Depth 0 in.	Observer SAS	Observer SAS	Snow Depth 0 in.	Observer SAS	Observer SAS	Observer SAS
		Vis. 25 mi.	Vis. 25 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Friday, July 26, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 79 °F	SW	75 °F	75 °F	SW	75 °F	75 °F	75 °F
Min. 60 °F	Vel. 0 m.p.h.	Read. 29.02 in.	Read. 29.02 in.	Vel. 0 m.p.h.	Read. 29.02 in.	Read. 29.02 in.	Read. 29.02 in.
Set 64 °F	Char. Calm	Corr. 28.88 in.	Corr. 28.88 in.	Char. Calm	Corr. 28.88 in.	Corr. 28.88 in.	Corr. 28.88 in.
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.20 in.	Sea L. 30.20 in.	24 hr. Mov. — mi.	Sea L. 30.20 in.	Sea L. 30.20 in.	Sea L. 30.20 in.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 4.15 mb	3 hr. Tend. 4.15 mb	Prev. Dir. —	3 hr. Tend. 4.15 mb	3 hr. Tend. 4.15 mb	3 hr. Tend. 4.15 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer DJM	Observer DJM	Snow Depth 0 in.	Observer DJM	Observer DJM	Observer DJM
		Vis. 20 mi.	Vis. 20 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Saturday, July 27, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 83 °F	ESE	76 °F	76 °F	ESE	76 °F	76 °F	76 °F
Min. 63 °F	Vel. 1 m.p.h.	Read. 29.19 in.	Read. 29.19 in.	Vel. 1 m.p.h.	Read. 29.19 in.	Read. 29.19 in.	Read. 29.19 in.
Set 66 °F	Char. Light	Corr. 29.05 in.	Corr. 29.05 in.	Char. Light	Corr. 29.05 in.	Corr. 29.05 in.	Corr. 29.05 in.
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.39 in.	Sea L. 30.39 in.	24 hr. Mov. — mi.	Sea L. 30.39 in.	Sea L. 30.39 in.	Sea L. 30.39 in.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb	Prev. Dir. —	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer SAS	Observer SAS	Snow Depth 0 in.	Observer SAS	Observer SAS	Observer SAS
		Vis. 20 mi.	Vis. 20 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Sunday, July 28, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 80 °F	SW	76 °F	76 °F	SW	76 °F	76 °F	76 °F
Min. 60 °F	Vel. 4 m.p.h.	Read. 29.02 in.	Read. 29.02 in.	Vel. 4 m.p.h.	Read. 29.02 in.	Read. 29.02 in.	Read. 29.02 in.
Set 70 °F	Char. light	Corr. 28.88 in.	Corr. 28.88 in.	Char. light	Corr. 28.88 in.	Corr. 28.88 in.	Corr. 28.88 in.
R.H. 79 %	24 hr. Mov. — mi.	Sea L. 30.19 in.	Sea L. 30.19 in.	24 hr. Mov. — mi.	Sea L. 30.19 in.	Sea L. 30.19 in.	Sea L. 30.19 in.
Ppn. Liq. T in.	Prev. Dir. —	3 hr. Tend. 0 mb	3 hr. Tend. 0 mb	Prev. Dir. —	3 hr. Tend. 0 mb	3 hr. Tend. 0 mb	3 hr. Tend. 0 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KP	Observer KP	Snow Depth 0 in.	Observer KP	Observer KP	Observer KP
		Vis. 25 mi.	Vis. 25 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Monday, July 29, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 85 °F	SW	77 °F	77 °F	SW	77 °F	77 °F	77 °F
Min. 69 °F	Vel. 2 m.p.h.	Read. 28.89 in.	Read. 28.89 in.	Vel. 2 m.p.h.	Read. 28.89 in.	Read. 28.89 in.	Read. 28.89 in.
Set 73 °F	Char. light	Corr. 28.75 in.	Corr. 28.75 in.	Char. light	Corr. 28.75 in.	Corr. 28.75 in.	Corr. 28.75 in.
R.H. 79 %	24 hr. Mov. — mi.	Sea L. 30.05 in.	Sea L. 30.05 in.	24 hr. Mov. — mi.	Sea L. 30.05 in.	Sea L. 30.05 in.	Sea L. 30.05 in.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb	Prev. Dir. —	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb	3 hr. Tend. 4.10 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer LCS	Observer LCS	Snow Depth 0 in.	Observer LCS	Observer LCS	Observer LCS
		Vis. 10-20 mi.	Vis. 25 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

Tuesday, July 30, 2019
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

Temp.	Wind	Barom.	Temp	Dir.	Temp.	Temp.	Temp.
Max. 88 °F	SW	77 °F	77 °F	SW	77 °F	77 °F	77 °F
Min. 68 °F	Vel. 1 m.p.h.	Read. 28.81 in.	Read. 28.81 in.	Vel. 1 m.p.h.	Read. 28.81 in.	Read. 28.81 in.	Read. 28.81 in.
Set 72 °F	Char. light	Corr. 28.67 in.	Corr. 28.67 in.	Char. light	Corr. 28.67 in.	Corr. 28.67 in.	Corr. 28.67 in.
R.H. 81 %	24 hr. Mov. — mi.	Sea L. 29.96 in.	Sea L. 29.96 in.	24 hr. Mov. — mi.	Sea L. 29.96 in.	Sea L. 29.96 in.	Sea L. 29.96 in.
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 4.05 mb	3 hr. Tend. 4.05 mb	Prev. Dir. —	3 hr. Tend. 4.05 mb	3 hr. Tend. 4.05 mb	3 hr. Tend. 4.05 mb
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer DJM	Observer DJM	Snow Depth 0 in.	Observer DJM	Observer DJM	Observer DJM
		Vis. 20 mi.	Vis. 7 mi.		Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

TAVG: 84	TRNOF: 80/73	TW: 75
HDD: 0	TUNV: 81/73	To: 73
ZHDD: 0	MMTS: 90/74/80	
CDD: 19		
XCDD: 215		
SPCN: 1.81"		
SPCNs: 0.0"	Date: 7/21/19	

TAVG: 81	TRNOF: 70/67	TW: 76
HDD: 0	TUNV: 70/70	To: 70
ZHDD: 0	MMTS: 91/69/70	
CDD: 16		
XCDD: 231		
SPCN: 2.17"		
SPCNs: 0.0"	Date: 7/22/19	

TAVG: 71	TRNOF: 65/60	TW: 63
HDD: 0	TUNV: 64/61	To: 61
ZHDD: 0	MMTS: 77/63/64	
CDD: 6		
XCDD: 237		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/23/19	

TAVG: 67	TRNOF: 64/60	TW: 61
HDD: 0	TUNV: 59/59	To: 60
ZHDD: 0	MMTS: 75/57/62	
CDD: 2		
XCDD: 239		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/24/19	

TAVG: 67	TRNOF: 60/55	TW: 58
HDD: 0	TUNV: 59/55	To: 57
ZHDD: 0	MMTS: 78/56/59	
CDD: 2		
XCDD: 241		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/25/19	

TAVG: 70	TRNOF: 66/59	TW: 61
HDD: 0	TUNV: 61/59	To: 59
ZHDD: 0	MMTS: 79/58/64	
CDD: 5		
XCDD: 246		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/26/19	

TAVG: 73	TRNOF: 66/60	TW: 63
HDD: 0	TUNV: 63/61	To: 61
ZHDD: 0	MMTS: 80/61/64	
CDD: 8		
XCDD: 254		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/27/19	

TAVG: 76	TRNOF: 70/64	TW: 66
HDD: 0	TUNV: 66/64	To: 64
ZHDD: 0	MMTS: 84/64/70	
CDD: 11		
XCDD: 265		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/28/19	

TAVG: 77	TRNOF: 72/66	TW: 68
HDD: 0	TUNV: 72/66	To: 66
ZHDD: 0	MMTS: 84/M/71	
CDD: 12		
XCDD: 277		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/29/2019	

TAVG: 78	TRNOF: 72/66	TW: 68
HDD: 0	TUNV: 70/66	To: 66
ZHDD: 0	MMTS: 87/67/72	
CDD: 13		
XCDD: 290		
SPCN: 2.28"		
SPCNs: 0.0"	Date: 7/30/19	

Wednesday, July 31, 2019 0700 EST

Meteorological Observatory
University Park, PA

General Obs.

Temp.	Wind	Barom.	General Obs.		
Max. 85 °F	Dir: W	Temp 71.0 °F	1345 - 1415 T3 + RA		
Min. 68 °F	Vel: 3 m.p.h.	Read: 28.94 in.	1530 - 1600 RA		
Set 71 °F	Char: light	Corr: 28.60 in.	2045 - 2100 - RA		
R.H. 82 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	0400 - 0515 RA		
Ppn. Liq. 0.23 in.	Prev. Dir. —	3 hr. Tend. 0 mb			
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KP			
			0700	1300	1900
			Clas. cistr. 8/10 Altstr. Cu.	Clas. Cu	Clas. Cb
			Wx —	Wx —	8/10 Cu
			Vis. 20 mi.	Vis. 25 mi.	Vis. 25 mi.

TAVG: 77	TROOF: 90165	TW: 67
HDD: 0	TUNV: 70168	TD: 65
ZHDD: 0	NMTS: 84168170	
CDD: 12		
XCDD: 302	JULY DEMOS	
	T _{max} : 83.30 F	
	T _{min} : 65.60 F	
	T _{July} : 74.45 F +2.92	
ZPCNL: 2.51"		
ZPCNS: 0.0"		Date: 7/31/19