

Wednesday July 1, 2009

Meteorological Observatory  
University Park, PA

0700 EST

Temp.	Wind	Barom.	General Obs.		
Max. 73 °F	Dir. S	Temp 72 °F	-SHRA 0845 - 0900 LT SHRA 0906 - 0920 LT -SHRA 0920 - 0945 LT -TSHRA 1600 - 1625 LT SHRA 2300 - 2320 LT SHRA 0740 - 0800 LT		
Min. 57 °F	Vel. 1 m.p.h.	Read. 28.65 in.			
Set 59 °F	Char. Light	Corr. 28.53 in.			
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.85 in.			
Ppn. Liq. 0.22 in.	Prev. Dir. —	3 hr. Tend. /+1.5 mb	Clds. 10/10	Clds. <sup>StCi</sup> 8/10 <sup>StCu</sup> 00	Clds. 10/10
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Wx Cloudy Rain	Wx m. cloudy humid	Wx cloud
			Vis. 17 mi.	Vis. 25 mi.	Vis. 25 mi.

F: 65  
HDD: 0  
 $\Sigma$ HDD: 0  
CDD: 0  
 $\Sigma$ CDD: 0

Tdavis: 53/58  
Tunv: 58/58  
MMTS: 71/56/58

Tw: 59  
Td: 59

$\Sigma$ PCN: 0.22"  
 $\Sigma$ PCNs: 0.00"

7/1/2009

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Thursday July 2, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 76 °F	Dir. SW	Temp 73 °F	-RA 0800-0830, 2130-2200 RA 2200-2230 LT			
Min. 59* °F	Vel. 4 m.p.h.	Read. 28.70 in.	-TSRA 1715-1730 1800-1815, 2230-2345 LT DZ 0000-0015 LT OVNT LOW=60			
Set 62 °F	Char. Light	Corr. 28.58 in.	0700	1300	1900	
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.89 in.	Clds. 5/10	Clds. 10/10	Clds. 9/10	
Ppn. Liq. 0.06 in.	Prev. Dir. —	3 hr. Tend. +3' mb	Wx P. cloudy Humid	Wx <sup>less</sup> Humid cloudy	Wx M. Cloudy Humid	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{=}$ : 68  
HDD: 0  
 $\Sigma$ HDD: 0  
CDD: 3  
 $\Sigma$ CDD: 3

DAVIS: 6/1/61  
TUV: 6/1/61  
MMTS: 74/58/61

TW: 62  
T<sub>g</sub>: 62

$\Sigma$ PCN<sub>L</sub>: 0.28"  
 $\Sigma$ PCN<sub>S</sub>: 0.00"

7/2/2009

Friday July 3, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 72 °F	Dir. W	Temp 72 °F	28.84 in.	-SHRA 1410-1500 LT		
Mjn. 60 °F	Vel. 4 m.p.h.	Read.		-SHRA 1700-1840 LT		
Set 62 °F	Char. Steady	Corr. 29.72 in.				
R.H. 88 %	24 hr. Mov. — mi.	Sea L. 30.04 in.	Clds. 10/10	Clds. 5/10	Clds. 7/10	
Ppn. Liq. 0.02 in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Wx Breezy Cloudy	Wx Cooler P. Cloudy	Wx Cloudy Breezy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 17 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 66  
HDD: 0  
 $\Sigma$ HDD: 0  
CDD: 1  
 $\Sigma$ CDD: 4

Tdavis: 02/00  
Tunv: 01/59  
MMTS: 76/59/01

Tw: 59  
Td: 57

$\Sigma$ PCNL: 0.30"  
 $\Sigma$ PCNs: 0.00"

7/3/2009

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Saturday July 4, 2009 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 72 °F	Dir. SW	Temp 72 °F	Read. 28.98 in.	+ SHTS	1320 - 1340 LT	
				SHRA	1520 - 1540 LT	
				- SHRA	1640 - 1700 LT	
Min. 59 °F	Vel. 1 m.p.h.	Char. Steady	Corr. 28.76 in.	0700	1300	1900
Set 61 °F						
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	Clds. 8/10	Clds.	Clds. 10/10	
Ppn. Liq. 0.05 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx M. Cloudy Lt. Breeze	Wx	Wx Cloudy Calm, Cool	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 17 mi.	Vis. mi.	Vis. 25 mi.	

F: 60  
HDD: 0  
 $\Sigma$ HDD: 0  
CDD: 1  
 $\Sigma$ CDD: 5

T Davis: 61/60  
T unv: 63/50  
MMTS: 70/50/60

T<sub>w</sub>: 59  
T<sub>d</sub>: 54

$\Sigma$ PCN<sub>L</sub>: 0.35"  
 $\Sigma$ PCN<sub>S</sub>: 0.60"

7/4/2009

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Sunday July 5, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 74 °F	Dir. NW	Temp 74 °F				
Min. 52 °F	Vel. 1 m.p.h.	Read. 28.90 in.				
Set 57 °F	Char. Calm	Corr. 28.77 in.	0700	1300	1900	
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 30.11 in.	Clds. 9/10	Clds. 5/10	Clds. 1/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx M. Cloudy Calm	Wx P. Cloudy	Wx M. Clear	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

F 63  
HDD: 2  
EHDD: 2  
CDD: 0  
ECDD: 5

TDavis: 57/54  
Tunv: 57/54  
MMTS: 73/51/56

Tw: 54  
Td: 52

$\Sigma PCN_L: 0.35''$

$\Sigma PCN_S: 0.00''$

7/5/2009

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Monday July 6, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 75 °F	Dir. NNE	Temp 74 °F				
Min. 54 °F	Vel. 2 m.p.h.	Read. 28.76 in.				
Set 58 °F	Char. Light	Corr. 28.63 in.	0700	1300	1900	
R.H. 93 %	24 hr. Mov. — mi.	Sea L. 29.96 in.	Clds. 1/10	Clds. 3/10	Clds. 5/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +2' mb	Wx M. clear calm	Wx M. Sunny warm	Wx P. Cloudy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 65  
HDD: 0  
ΣHDD: 2  
CDD: 0  
ΣCDD: 5

TDAVIS: 59/57  
TUNV: 56/55  
MIMTS: 73/52/57

TW: 58  
Td: 56

ΣPCNL: 0.35"  
ΣPCNS: 0.00"

7/6/2009

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Tuesday July 7, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 81 °F	Dir. SW	Temp 73 °F				
Min. 57 °F	Vel. 3 m.p.h.	Read. 28.68 in.				
Set 62 °F	Char. Light	Corr. 28.56 in.	0700	1300	1900	
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 29.88 in.	Clds. 2/10	Clds. 2/10	Clds. 2/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -1 mb	Wx Sunny Humid	Wx P. Cloudy Nice	Wx M. Sunny Breezy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 69  
HDD: 0  
ΣHDD: 2  
CDD: 4  
ΣCDD: 9

T DAVIS: 62/58  
T UNV: 60/55  
MMTS: 78/56/61

TW: 60  
Td: 57

PCN<sub>L</sub>: 0.35"  
PCN<sub>S</sub>: 0.00"

7/7/7mm

Wednesday July 9, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. NW	Temp 74 °F				
Min. 53 °F	Vel. 2 m.p.h.	Read. 28.84 in.				
Set 50 °F	Char. Calm	Corr. 28.71 in.				
			0700	1300	1900	
R.H. 77 %	24 hr. Mov. — mi.	Sea L. 30.06 in.	Clds. Cj 1/10	Clds. 8/10	Clds. 5/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +1.0 mb	Wx Sunny Cool	Wx m. Cloudy Cool Breeze	Wx P. Cloudy Calm	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

F: 66  
HDD: 0  
 $\Sigma$ HDD: 2  
CDD: 1  
 $\Sigma$ CDD: 10

T Davis: 56/54  
Turnv: 58/53  
MMTS: 77/52/55

Tw: 52  
Td: 49

$\Sigma$ PCN<sub>L</sub>: 0.35"  
 $\Sigma$ PCN<sub>S</sub>: 0.00"

7/8/2009

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Thursday July 9, 2009  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max. 73 °F	Dir. N	Temp 73 °F						
Min. 55 °F	Vel. 2 m.p.h.	Read. 29.06 in.						
Set 58 °F	Char. Light	Corr. 28.94 in.						
				0700	1300	1900		
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.29 in.	Clds. 0/10	Clds. <del>Alt</del> 5/10	Clds. 2/10			
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +3' mb	Wx Clear Humid	Wx P Cloudy Sunny	Wx M. Sunny Nice			
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.			

T: 64  
HDD: 1  
~~HDD~~: 3  
CDD: 0  
ΣCDD: 10

T DAVIS: 60/57  
T UNV: 51/56  
MMTS: 71/53/57

T<sub>W</sub>: 58  
T<sub>D</sub>: 55

ΣPCN<sub>L</sub>: 0.35"  
ΣPCN<sub>S</sub>: 0.00"

7/19/2009

Friday July 10, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. ESE	Temp 72 °F				
Min. 57 °F	Vel. 1 m.p.h.	Read. 29.21 in.				
Set 62 °F	Char. Steady	Corr. 29.09 in.				
			0700	1300	1900	
R.H. 78 %	24 hr. Mov. — mi.	Sea L. 30.44 in.	Clds. 9/10	Clds. 6/10	Clds. 9/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx Cloudy Calm	Wx Cloudy Warm	Wx M. Cloudy Breezy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 68  
HDD: 0  
 $\Sigma$ HDD: 3  
CDD: 3  
 $\Sigma$ CDD: 13

Tpavis: 62/60  
Tunv: 60/58  
MMTS: 75/56/61

Tu: 50  
Td: 55

$\Sigma$ PCNL: 0.35"  
 $\Sigma$ PCNS: 0.00"

7/10/2009

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Saturday July 11, 2009 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. SW	Temp 72 °F				
Min. * 62 °F	Vel. 3 m.p.h.	Read. 29.04 in.				
Set 67 °F	Char. Breezy	Corr. 28.92 in.	*OVNT LOW: 66			
			0700	1300	1900	
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.24 in.	Clds. 4/10 Cu	Clds. 5/10	Clds. 10/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 1-1.0 mb	Wx MUGGY	Wx P. Cloudy MUGGY	Wx Cloudy MUGGY	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 25 mi.	Vis. 25 mi.	Vis. 10 mi.	

F: 71  
HDD: 0  
 $\Sigma$ HDD: 3  
CDD: 6  
 $\Sigma$ CDD: 19

T Davis: 67/64 Tw: 65  
Tunv: 65/62 Td: 64  
MMTS: 76/61/66

$\Sigma$ PCNL: 0.35"

$\Sigma$ PCNS: 0.00"

7/11/2009

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Sunday July 12, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 78 °F	Dir. NNE	Temp 73 °F	TSRA 1415-1445, 1530- 1545, 1900-1945			
Min. 63 °F	Vel. 1 m.p.h.	Read. 29.00 in.	-RA 1615-1630			
Set 63 °F	Char. Light	Corr. 28.88 in.	0700	1300	1900	
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 30.21 in.	Clds. 5/10	Clds. 2/10	Clds. 0/10	
Ppn. Liq. 0.35 in.	Prev. Dir. —	3 hr. Tend. +3' mb	Wx P. Cloudy Humid	Wx M. Sunny Breezy	Wx Clear	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

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T: 71  
HDD: 0  
 $\Sigma$ HDD: 3  
EDD: 6  
 $\Sigma$ CDD: 25

T<sub>DAVIS</sub>: 65/61  
T<sub>UNV</sub>: 64/62  
MMTS: 76/62/63

T<sub>N</sub>: 61  
T<sub>D</sub>: 62

$\Sigma$ PCNL: 0.70"  
 $\Sigma$ PCNS: 0.00"

7/12/2009

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Monday July 13, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	77 °F	Dir. NW	Temp 73 °F			
Min.	58 °F	Vel. 1 m.p.h.	Read. 28.98 in.			
Set	60 °F	Char. Light	Corr. 28.86 in.	0700	1300	1900
R.H.	89 %	24 hr. Mov. — mi.	Sea L. 30.20 in.	Clds. 0/10	Clds. cu 1/10	Clds. 2/10
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. 0' mb	Wx clear cool	Wx M. Sunny Breezy	Wx M. Sunny L. Breezy
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

T: 68  
HDD: 0  
ΣHDD: 3  
CDD: 3  
ΣCDD: 28

T DAVIS: 61/57  
TUNY: 60/56  
MMTS: 75/56/59

TW: 60  
TD: 57

ΣPCN<sub>L</sub>: 0.70"  
ΣPCN<sub>S</sub>: 0.00"

7/13/2009

Tuesday July 4, 2000  
0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 76 °F	Dir. W	Temp 74 °F				
Min. 52 °F	Vel. 4 m.p.h.	Read. 29.02 in.				
Set 56 °F	Char. Light	Corr. 28.89 in.				
			0700	1300	1900	
R.H. 79 %	24 hr. Mov. — mi.	Sea L. 30.24 in.	Clds. 0/10	Clds. 4/10	Clds. Ci 2/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +6' mb	Wx clear cool	Wx M. sunny calm	Wx M. clear	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 64  
HDD: 1  
SHDD: 4  
CDD: 0  
SCDD: 28

DAVIS: 56/50  
TUNN: 55/48  
MMTS: 74/51/55

TW: 53  
TD: 50

$\Sigma PCNL: 0.70''$   
 $\Sigma PCNS: 0.00''$

7/14/2009

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Wednesday July 15, 2009 0700 EST

Meteorological Observatory  
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 77 °F	Dir. SE	Temp 72 °F			
Min. 52 °F	Vel. 1 m.p.h.	Read. 29.08 in.			
Set 56 °F	Char. Calm	Corr. 28.96 in.	0700	1300	1900
R.H. 79 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	Clds. 0/10	Clds. 5/10	Clds. 5/10
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx Clear Cool	Wx Clear Sunny	Wx P. Cloudy Warm
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.

T: 65  
HDD: 0  
ΣHDD: 4  
CDD: 0  
ΣCDD: 28

T Davis: 57/53  
T unv: 55/52  
MMTS: 74/50/55

Tw: 52  
Td: 49

ΣPCN<sub>L</sub>: 0.70"  
ΣPCN<sub>S</sub>: 0.00"

7/15/2009

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Thursday July 16, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir WSW	Temp 73 °F	-RA 0400-0415 LT TSRA 0600-0615 LT			
Min. 56* °F	Vel. 2 m.p.h.	Read. 28.61 in.				
Set 71 °F	Char. Light	Corr. 28.49 in.	*OVRT LOW: 68			
			0700	1300	1900	
R.H. 94 %	24 hr. Mov. — mi.	Sea L. 29.78 in.	Clds. 8/10	Clds. 6/10	Clds. 4/10	
Ppn. Liq. 0.01 in.	Prev. Dir. —	3 hr. Tend. +1 / mb	Wx M. Cloudy Muggy	Wx P. Cloudy Humid	Wx M. Sunny Warm	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 23 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 69  
HDD: 0  
ΣHDD: 4  
CDD: 4  
ΣCDD: 32

T DAVIS: 71/70  
TUNV: 70/68  
MMTS: 78/55/70

TW: 70  
TD: 69

ΣPCN<sub>L</sub>: 0.71"  
ΣPCN<sub>S</sub>: 0.00"

7/16/2009



Friday July 17, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	86 °F	Dir. WSW	Temp 74 °F			
Min.	65 °F	Vel. 1 m.p.h.	Read. 28.75 in.			
Set	67 °F	Char. Light	Corr. 28.62 in.	0700	1300	1900
R.H.	82 %	24 hr. Mov. — mi.	Sea L. 29.93 in.	Clds. 10/10	Clds. Cu. 10/10 Cst	Clds. Sc 10/10
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx Cloudy Calm	Wx cloudy muggy	Wx cloudy
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 17 mi.	Vis. 25 mi.	Vis. 25 mi.

F: 76  
HDD: 0  
 $\Sigma$ HDD: 4  
CDD: 11  
 $\Sigma$ CDD: 43

T Davis: 66/62  
Tunv: 64/61  
MMTS: 83/63/65

Tw: 63  
Td: 61

$\Sigma$ PCN<sub>L</sub>: 0.71"

$\Sigma$ PCN<sub>S</sub>: 0.00"

7/17/2009

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Saturday July 18, 2009 0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 73 °F	Dir. SW	Temp 74 °F	- SHRA 0900 - 0920 LT SHRA 1340 - 1620 LT SHTS 2120 - 2220 LT		
Min. 57 °F	Vel. 4 m.p.h.	Read. 28.74 in.			
Set 60 °F	Char. Light	Corr. 28.62 in.	0700	1300	1900
R.H. 84 %	24 hr. Mov. — mi.	Sea L. 29.94 in.	Clds. Cu 7/10	Clds.	Clds. Sc 10/10
Ppn. Liq. 0.37 in.	Prev. Dir. —	3 hr. Tend. +2.0 mb	Wx M. Clear Cool	Wx	Wx Cloudy Cool
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 25 mi.	Vis. mi.	Vis. 25 mi.

T: 65  
HDD: 0  
 $\Sigma$ HDD: 4  
CDD: 0  
 $\Sigma$ CDD: 43

T Davis: 60/60  
Turn: 61/58  
MMTS: 72/56/59

Tw: 57  
Ta: 55

$\Sigma$ PCN<sub>L</sub>: 1.08"  
 $\Sigma$ PCN<sub>S</sub>: 0.00"

7/18/2009

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Sunday July 19, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 69 °F	Dir. WSW	Temp 74 °F				
Min. 56 °F	Vel. 2 m.p.h.	Read. 28.99 in.				
Set 59 °F	Char. Light	Corr. 20.04 in.				
			0700	1300	1900	
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.18 in.	Clds. 2/10 C1	Clds. 8/10	Clds. 8/10	Stc
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. /+1.0 mb	Wx M. clear COOL	Wx m. cloudy	Wx m. cloudy COOL	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

$\bar{T}$ : 63  
HDD: 2  
 $\Sigma$ HDD: 6  
CDD: 0  
 $\Sigma$ CDD: 43

T<sub>Davis</sub>: 59/59  
T<sub>unv</sub>: 60/58  
MMTS: 67/55/58

T<sub>w</sub>: 58  
T<sub>d</sub>: 57

$\Sigma$ PCN<sub>L</sub>: 1.08"  
 $\Sigma$ PCN<sub>s</sub>: 0.00"

7/19/2009

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Monday July 20, 2009 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 75 °F	Dir. SE	Temp 75 °F				
Min. 58 °F	Vel. 0 m.p.h.	Read. 29.10 in.				
Set 60 °F	Char. Calm	Corr. 28.97 in.	0700	1300	1900	
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.31 in.	Clds. SA Ci 5/10	Clds. Cu 8/10	Clds. Str 8/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +2' mb	Wx cool p. cloudy	Wx p. sunny humid	Wx m. cloudy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

I: 67  
EOD: 0  
SHDD: 6  
CDD: 2  
SCDD: 45

T DAVIS: 60/59  
TUNN: 57/57  
MMTS: 74/56/58

TW: 59  
T<sub>D</sub>: 57

$\Sigma PCNL: 1.08''$   
 $\Sigma PCNS: 0.00''$

7/20/2009

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Tuesday July 21, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. E	Temp 74 °F	-DZ 0200-0215, 0330-0400, 0515-0530, 0715-0800 -RA 0300-0330, 0530-0600, 0645-0700 RA 0615-0645			
Min. 60 °F	Vel. 1 m.p.h.	Read. 29.08 in.	RA 0615-0645			
Set 64 °F	Char. Calm	Corr. 28.95 in.	OYN'T LOW: 64°			
R.H. 100% %	24 hr. Mov. — mi.	Sea L. 30.28 in.	Clds. Cu 10/10	Clds. Cu 8/10	Clds. Cu 6/10	
Ppn. Liq. 0.03 in.	Prev. Dir. —	3 hr. Tend. 0— mb	Wx Cloudy lt drizzle	Wx M. Cloudy Humid	Wx P. Cloudy Humid	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 3 mi.	Vis. 25 mi.	Vis. 25 mi.	

13/10  
LDD: 0  
SHDD: 6  
CDD: 5  
ECDD: 50

T DAVIS: 69/64  
TUNN: 63/63  
MMTS: 75/58/63

T<sub>w</sub>: 64  
T<sub>D</sub>: 64

$\Sigma PCN_L$ : 1.11"  
 $\Sigma PCN_S$ : 0.00"

7/21/2009

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Wednesday July 22, 2009 0700 EST

Meteorological Observatory  
University Park, PA

Temp.	Wind	Barom.	General Obs.		
Max. 77 °F	Dir. E	Temp 74 °F	-SHRA 0800 - 0900 LT -SHDZ -SHRA 2140 - 2200 LT -SHTS 2200 - 2240 LT		
Min. 60 °F	Vel. 0 m.p.h.	Read. 29.03 in.			
Set 62 °F	Char. Calm	Corr. 28.90 in.	0700	1300	1900
R.H. 90 %	24 hr. Mov. — mi.	Sea L. 30.23 in.	Clds. St 10/10	Clds. StCu 10/10	Clds. StCu 10/10
Ppn. Liq. 0.13 in.	Prev. Dir. —	3 hr. Tend. -0.0 mb	Wx cloudy	Wx cloudy	Wx cloudy
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 3 mi.	Vis. 3 mi.	Vis. 7 mi.

F: 69  
iDD: 0  
 $\Sigma$ HDD: 6  
CDD: 4  
 $\Sigma$ DD: 54

T Davis: 61/61  
Tunv: 62/61  
MMTS: 75/59/60

Tw: 60  
Td: 59

$\Sigma$ PCN<sub>L</sub>: 1.24"

$\Sigma$ PCN<sub>S</sub>: 0.00"

7/22/2009

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THURSDAY JULY 23, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 77 °F	Dir. ESE	Temp 75 °F	-RA 1930-2000, 2015-2030 RA 2030-2100			
Min. 62 °F	Vel. 2 m.p.h.	Read. 28.88 in.				
Set 70 °F	Char. Light	Corr. 28.75 in.	OVNT LOW: 69			
R.H. 94 %	24 hr. Mov. — mi.	Sea L. 30.07 in.	0700 Clds. St Stc 10/10	1300 Clds. Stc 10/10	1900 Clds. CwNb 8/10	
Ppn. Liq. 0.05 in.	Prev. Dir. —	3 hr. Tend. -1 mb	Wx Muggy cloudy	Wx Warm cloudy	Wx m. cloudy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 3 mi.	Vis. 17 mi.	Vis. 10 mi.	

T: 70  
HDD: 0  
 $\Sigma$ HDD: 6  
CDD: 5  
 $\Sigma$ CDD: 59

T DAVIS: 70/68  
TUNN: 69/66  
MMTS: 75/60/69

TW: 69  
TD: 68

$\Sigma$ PCN<sub>L</sub>: 1.29"  
 $\Sigma$ PCN<sub>S</sub>: 0.00"

7/23/2009

July 24, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind		Barom.		General Obs.		
Max.	78 °F	Dir.	WNW	Temp	75 °F	-RA 1015-1030 -SHRA 1430-1610 1830-1900 TSRA 1610-1630, 1800-1830 SHRA 1630-1650		
Min.	63 °F	Vel.	0 m.p.h.	Read.	28.85 in.			
Sea	64 °F	Char.	Calm	Corr.	28.72 in.			
R.H.	100 %	24 hr. Mov.	— mi.	Sea L.	30.04 in.	0700	1300	1900
Ppn. Liq.	1.02 in.	Prev. Dir.	—	3 hr. Tend.	+3' mb	Clds. STCU	Clds. CU	Clds.
Ppn. Sol.	0.0 in.	Snow Depth	0 in.	Observer	AJ	Wx	Wx	Wx
						8/10	6/10	0/10
						M. Cloudy COOL	P. Cloudy WARM	Clear
						Vis.	Vis.	Vis.
						4 mi.	17 mi	25

F: 71  
HDD: 0  
 $\Sigma$ HDD: 6  
CDD: 6  
 $\Sigma$ CDD: 65

T DAVIS: 64/64  
TUNN: 64/64  
MMTS: 75/62/63

TW: 64  
TD: 64

$\Sigma$ PCNL: 2.31"  
 $\Sigma$ PCNS: 0.00"

7/24/2009

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July Saturday 25, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F		Dir. SSW	Temp 74 °F			
Min. 59 °F		Vel. 0 m.p.h.	Read. 28.87 in.			
Set 62 °F		Char. Calm	Corr. 28.74 in.	0700	1300	1900
R.H. 100 %		24 hr. Mov. — mi.	Sea L. 30.07 in.	Clds. StC 2/10 C	Clds. StC 5/10 C	Clds. StC 5/10 C
Ppn. Liq. 0.00 in.		Prev. Dir. —	3 hr. Tend. 0 mb	Wx Cool M. clear	Wx P. cloudy warm	Wx P. cloudy Muggy
Ppn. Sol. 0.0 in.		Snow Depth 0 in.	Observer AS	Vis. 4 mi.	Vis. 25 mi.	Vis. 25 mi.

T: 69  
HDD: 0  
ZHDD: 6  
CDD: 4  
SCDD: 69

T DAVIS 62/62  
TUNN: 59/59  
MMITS: 77/57/60

TW: 62  
TD: 62

$\Sigma PCN_L$ : 2.31"  
 $\Sigma PCN_S$ : 0.00"

7/25/2009

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Sunday July 26, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir. SSW	Temp 75 °F	TSRA 1530-1100, 1800-1845			
Min. * 62 °F	Vel. 3 m.p.h.	Read. 28.80 in.	-RA 0100-0115			
Set 68 °F	Char. Light	Corr. 28.67 in.	OYNT LOW: 66°			
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 29.98 in.	Clds. St 10/10 Stcu	Clds. Cu 10/10	Clds. StCu 6/10	
Ppn. Liq. 0.20 in.	Prev. Dir. —	3 hr. Tend. +3' mb	Wx cool overcast	Wx warm cloudy	Wx P. Cloudy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 72  
HDD: 0  
 $\Sigma$ HDD: 6  
CDD: 7  
 $\Sigma$ CDD: 76

T DAVIS: 08/67  
TUNV: 60/65  
MMTS: 79/60/67

TW: 69  
TD: 67

$\Sigma$ PCNL: 2.51"  
 $\Sigma$ PCNS: 0.00"

7/26/2009

Monday July 28, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 79 °F	Dir. SN	Temp 75 °F				
Min. 65 °F	Vel. 3 m.p.h.	Read. 28.87 in.				
Set 67 °F	Char. Light	Corr. 28.74 in.		0700	1300	1900
R.H. 97 %	24 hr. Mov. — mi.	Sea L. 30.05 in.	Clds. 0/10	Clds. Cu 6/10	Clds. 0/10	
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. +1 mb	Wx Warm Clear	Wx M. Cloudy	Wx Clear	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 25 mi.	Vis. 25 mi.	Vis. 25 mi.	

T: 72  
HDD: 0  
 $\Sigma$ HDD: 6  
CDD: 7  
 $\Sigma$ CDD: 83

TDAVIS: 67/66  
TUNN: 66/65  
MMTS: 76/03/66

TW: 67  
TO: 60

$\Sigma$ PCNL: 2.51"  
 $\Sigma$ PCNS: 0.00"

7/20/2009

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1 - July 28, 2009

Meteorological Observatory  
University Park, PA

0700 EST			General Obs.		
Temp. Max. 82 °F	Wind Dir. SSE	Barom. Temp 74 F			
Temp. Min. 63 °F	Wind Vel. 0 m.p.h.	Barom. Read. 28.92 in.			
Temp. Set 65 °F	Wind Char. Calm	Barom. Corr. 28.79 in.			
R.H. 96 %	24 hr. Mov. — mi.	Sea L. 30.11 in.	0700 Clds. 0/10	1300 Clds. Cu 0/10	1900 Clds. Cst 9/10
Ppn. Liq. 0.00 in.	Prev. Dir. —	3 hr. Tend. 0 — mb	Wx Muggy Clear	Wx Warm M. Cloudy	Wx Humid
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 23 mi.	Vis. 25 mi.	Vis. 25

$\bar{T}$ : 72  
HDD: 0  
 $\Sigma$ HDD: 6  
CDD: 7  
 $\Sigma$ CDD: 83

TDAVS: 67/66  
TUNV: 66/65  
MMTS: 76/63/66

TW: 67  
T<sub>0</sub>: 66

$\Sigma$ PCNL: 2.51"  
 $\Sigma$ PCNS: 0.00"

7/20/2009



Wednesday July 29, 2009 0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max.	84 °F	Dir. ESE	Temp 74 °F			
Min.	65 * °F	Vel. 0 m.p.h.	Read. 28.70 in.			
Set	66 °F	Char. Calm	Corr. 28.57 in.	OVNT LOW: 66		
				0700	1300	1900
R.H.	84 %	24 hr. Mov. — mi.	Sea L. 29.88 in.	Clds. St 10/10	Clds. St 10/10	Clds. St 10/10
Ppn. Liq.	0.00 in.	Prev. Dir. —	3 hr. Tend. -0.9 mb	Wx Overcast Calm	Wx cloudy L. Rain	Wx cloudy Rain
Ppn. Sol.	0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 17 mi.	Vis. 2 mi.	Vis. 5 mi.

F: 75  
HDD: 0  
ΣHDD: 6  
CDD: 10  
ΣCDD: 901

T Davis: 66/65  
T unv: 64/64  
MMS: 82/64/65

Tw: 63  
Td: 61

ΣPCNs: 2.51"

ΣPCNs: 0.00"

7/29/2009

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Thursday July 30, 2009

0700 EST

Meteorological Observatory  
University Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 73 °F	Dir. W	Temp 74 °F	SHRA 0930-1530, 1700-1845 1915-2145			
Min. 65 °F	Vel. 2 m.p.h.	Read. 28.90 in.	-RA 2230-2300 -DZ 2315-2330			
Set 67 °F	Char. CALM	Corr. 28.97 in.	0700	1300	1900	
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 30.09 in.	Clds. Cu 7/10 StCu	Clds. Cu 7/10 StCu	Clds. AlCu 9/10 ATST	
Ppn. Liq. 0.50 in.	Prev. Dir. —	3 hr. Tend. +4 mb	Wx M. Cloudy Muggy	Wx M. Cloudy Warm	Wx M. Cloudy Humid	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer AS	Vis. 7 mi.	Vis. 17 mi.	Vis. 17 mi.	

F: 69  
HDD: 0  
 $\Sigma$ HDD: 6  
CDD: 4  
 $\Sigma$ CDD: 10.5

T DAVIS: 67/67  
TUNN: 67/66  
MMTS: 71/64/66

TW: 61  
TD: 67

$\Sigma$ PCNs: 3.01"  
 $\Sigma$ PCNs: 0.00"

7/30/2009

Friday July 31, 2009

0700 EST

Meteorological Observatory  
Univeristy Park, PA

Temp.		Wind	Barom.	General Obs.		
Max. 82 °F	Dir. SE	Temp 74 °F	28.74 in.	-SHDZ 0140-0200 LT -SHDZ 0520-0540 LT -SHRA 0540-0800 LT		
Min. 67 °F	Vel. 1 m.p.h.	Read.				
Set 70 °F	Char. Light	Corr.				
R.H. 100 %	24 hr. Mov. — mi.	Sea L. 29.91 in.	0700 Clds. NS 10/10	1300 Clds. NS 10/10	1900 Clds. ST 10/10	
Ppn. Liq. 0.10 in.	Prev. Dir. —	3 hr. Tend. 1.0 mb	Wx Cloudy Lt. Rain	Wx Humid Cloudy Lt. Rain	Wx Cloudy	
Ppn. Sol. 0.0 in.	Snow Depth 0 in.	Observer KR	Vis. 5 mi.	Vis. 4 mi.	Vis. 10 mi.	

$\bar{T}$ : 75  
HDD: 0  
 $\Sigma$ HDD: 6  
CDD: 10  
 $\Sigma$ CDD: 115

$T_{Davis}$ : 70/70       $T_w$ : 70  
 $T_{unv}$ : 69/69       $T_d$ : 70  
MMTS: 79/66/68

JULY TEMPS  
 $\bar{T}_{MAX} = 77.4^\circ F$   
 $\bar{T}_{MIN} = 59.1^\circ$   
 $\bar{T}_{AV} = 68.28^\circ$

$\Sigma PCN_L$ : 3.11"

$\Sigma PCN_S$ : 0.00"

7/31/2009

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